COUNTY OF BERNALILLO

CONSTRUCTION PLANS

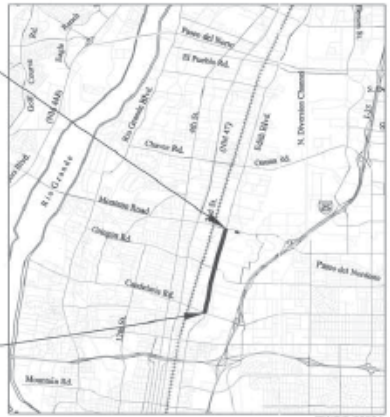
EDITH BLVD. RECONSTRUCTION, PHASE II
CANDELARIA ROAD TO TAHOE PLACE
ST-5098(202), STP-7501(13), CN L3047, CN G2S7491

BERNALILLO COUNTY STATE OF NEW MEXICO

BCPWD PROJECT NO. TS04-15

END OF NEW CONSTRUCTION STA. 8H88.00

BEGINNING OF NEW CONSTRUCTION STA. 11H30.45



PWCO 60024

Albuquerque Bernalillo County Water Utility Authority

DEPARTMENT OF TRANSPORTATION UNITED STATES OF AMERICA

CITY OF ALBUQUERQUE 1706 NEW MEXICO

NMDOT

RECORD DRAWING

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Tom H. Nelson, OF Bohannan Huston Inc., A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF NEW MEXICO, DO HEREBY CERTIFY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE INFRASTRUCTURE INSTALLED AS PART OF THIS PROJECT HAS BEEN INSPECTED BY ME OR BY A QUALIFIED PERSON AND HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS APPROVED BY THE COUNTY ENGINEER AND THAT THE ORIGINAL DESIGN INTENT OF THE APPROVED PLANS HAS BEEN MET, EXCEPT AS NOTED ON THE AS-BUILT DRAWINGS. THIS CERTIFICATION IS BASED ON THE INSPECTIONS CONDUCTED AND SURVEY INFORMATION PROVIDED BY: _____ NMPS NUMBER: _____

ENGINEER'S SEAL

8/31/07
BERNALILLO COUNTY PUBLIC WORKS DATE

REV	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS:		ENGINEER	DATE	**********	
		DRC Chairman			8/31/07	APPROVED FOR CONSTRUCTION	
		Transportation			8-28-07		
		Water/Wastewater			8/28/07		
		Hydrology			8/30/07		
		Parks					
		Const. Coord.					
		Traffic Eng.					
		PROJECT NO. 785181				SHEET 1-1	

G:\33580_Edith\04 Engineering\Plans\Section I\cover.dwg 8/17/2007 9:34:02 AM MDT

INDEX OF SHEETS

SHEET NO.	DESCRIPTION	REV. DATE	SERIAL
1-1	COVER SHEET		
	BLANK		
1-2	INDEX OF SHEETS		
1-3	HORIZONTAL LAYOUT		
1-4 to 1-8	SUMMARY OF QUANTITIES		
1-9 to 1-10	GENERAL NOTES		
1-11	ENVIRONMENTAL COMMITMENTS		
1-12	LEGEND AND ABBREVIATIONS		
	BLANK		
	SUBTOTAL = 12		
2-1 to 2-4	TYPICAL SECTIONS		
2-5	SURFACING SCHEDULE		
2-6 to 2-9	MISCELLANEOUS QUANTITIES		
2-10 to 2-11	DRIVEPAD DETAILS		
2-12	EDITH/CANDELARIA INTERSECTION PLAN		
2-13 to 2-14	EDITH/COMANCHE INTERSECTION PLAN		
2-15	RAILROAD CROSSING INTERSECTION/PROFILE		
2-16	EDITH/TAHOE PL. INTERSECTION PLAN		
2-17	REVEGATATION/EROSION CONTROL PLAN		
2-18	SWPPP INFORMATION		
2-19 to 2-26	TEMPORARY EROSION & SEDIMENT CONTROL PLANS		
2-27	RETAINING WALL DETAILS AT STA: 35+00.00 RT.		
2-28	RETAINING WALL DETAILS AT CARMONY LANE		
2-29 to 2-31	RETAINING WALL DETAILS AT TAHOE DRIVE		
2-32 to 2-36	STORM DRAIN DETAILS		
2-37	SJC DRAIN LINE CONNECTION DETAILS		
	BLANK		
	SUBTOTAL = ~~37~~ 41		
3-1 to 3-19	EDITH BLVD. PLAN AND PROFILES		
3-20 to 3-26	SIDE STREET PLAN AND PROFILES		
3-27	TAHOE DRIVE PLAN AND PROFILE		
3-28	PARKING LOT GRADING PLAN		
3-29 to 3-36	PAVING PLANS		
3-37	STORM DRAIN LAYOUT		
3-38 to 3-58	STORM DRAIN PLAN AND PROFILES		
3-59 to 3-61	HEADINGLY STORM DRAIN AND SANITARY SEWER		
3-62	CHANNEL PLAN AND PROFILE		
3-63	OUTFALL PLAN AND PROFILE		
3-64	DETENTION BASIN NO.1		
3-65	DETENTION BASIN NO.7		
	BLANK		
	SUBTOTAL = ~~65~~ 79		
4-1 to 4-13	DRIVEWAY PROFILES		
	BLANK		
	SUBTOTAL = ~~13~~ 16		
6-1 to 6-2	CONSTRUCTION TRAFFIC CONTROL NOTES & QUANTITIES		
6-3 to 6-4	TRAFFIC CONTROL - TYPICAL SECTIONS		
6-5	TRAFFIC CONTROL - DETAILS		
6-6	TRAFFIC CONTROL - STAGE 1 TYPICAL LAYOUT		
6-7	RAILROAD CROSSING DETOUR PLAN		
6-8	TYPICAL TRAFFIC CONTROL (REF MUTCD)		
6-9	TRAFFIC CONTROL PLAN - BOP & EOP SIGNING		
6-10	IMPACT ATTENUATORS		
6-11	SIGNING & TRAFFIC CONTROL STANDARDS		
6-12 to 6-24	TRAFFIC CONTROL DRAWINGS STAGES 1 & 2		
6-25 to 6-36	TRAFFIC CONTROL DRAWINGS STAGE 3		
6-37	TRAFFIC CONTROL DRAWINGS STAGE 4		
	BLANK SUBTOTAL = 37		
7-1	PERMANENT SIGNING & MARKING QUANTITIES		
7-2	SIGN FACE DETAILS		
7-3 to 7-13	PERMANENT SIGNING AND STRIPING PLANS		
7-14 to 7-16	SMALL SIGN SUPPORT INSTALLATION DETAILS	1/11/2005	701-02-1/3 to 3/3
7-17 to 7-18	ALUMINUM SIGN PANEL DETAILS	1/11/2005	701-03-1/2 to 2/2
	SUBTOTAL = 18		
8-1	LIGHTING NOTES & QUANTITIES		
8-2 to 8-6	LIGHTING PLANS		
8-7 to 8-9	C.O.A. TRAFFIC DETAILS		
	BLANK		
	SUBTOTAL = ~~9~~ 10		
9-1	SIGNAL NOTES & LEGEND		
9-2	SIGNAL MODIFICATIONS AT EDITH/CANDELARIA		
9-3	SIGNAL MODIFICATIONS AT EDITH/GRIEGOS		
9-4 to 9-8	INTERCONNECT PLAN		
9-9	SIGNAL CONDUIT, CABLE & QUANTITIES		
9-10 to 9-22	COA TRAFFIC DETAILS		
	SUBTOTAL = 22		

ADDED NEW SHEETS 2-15R, 2-35R, 2-34R AND 2-36A.

ADDED NEW SHEETS 3-8R, 3-14R, 3-38R, 3-42R, 3-48R, 3-49R, 3-50R, 3-53R, 3-54R, 3-59R, 3-60R, 3-61R, 3-63R AND 3-64R.

ADDED NEW SHEETS 4-6A, 4-6R AND 4-13R

ADDED NEW SHEET 8-2R

INDEX OF SHEETS, CONTINUED

SHEET NO.	DESCRIPTION	REV. DATE	SERIAL
10-1	MRGCD STRUCTURE SECTIONS		
	BLANK		
	SUBTOTAL =1		
11-1	SANITARY SEWER LAYOUT		
11-2 to 11-17	EDITH BOULEVARD SANITARY SEWER		
11-18 to 11-22	INDUSTRIAL AVENUE SANITARY SEWER LINE		
11-23	RANKIN ROAD SANITARY SEWER LINE		
11-24	NIKANDA ROAD SANITARY SEWER LINE		
11-25	PRIVATE DRIVE SANITARY SEWER LINE		
11-26 to 11-27	SANITARY SEWER DETAILS		
11-28	SMALL AUTO. LIFT STATION DETAILS		
	SUBTOTAL =~~28~~ 30		
12-1	WATER LINE LAYOUT		
12-2 to 12-20	EDITH BOULEVARD WATER LINE		
12-21 to 12-23	INDUSTRIAL AVENUE WATER LINE		
12-24 to 12-26	WATER SHUTOFF PLAN		
12-27	JOINT RESTRAINT TABLE		
12-28	VENT REPLACEMENT PLAN & DETAILS		
12-29	CATHODIC PROTECTION DETAILS		
12-30	SJC DWP TRANSMISSION PIPELINE #3 EAST VALLEY BLOW OFF VAULT		
	SUBTOTAL = 30		
13-1	POTHOLE DATA		
13-2	EDITH BOULEVARD EXISTING UTILITY LAYOUT		
13-3 to 13-21	EDITH BOULEVARD EXISTING UTILITY PLAN		
13-22 to 13-26	INDUSTRIAL AVENUE EXISTING UTILITY PLAN		
13-27	RANKIN ROAD EXISTING UTILITY PLAN		
13-28	NIKANDA ROAD EXISTING UTILITY PLAN		
13-29	PRIVATE DRIVE EXISTING UTILITY PLAN		
	BLANK		
	SUBTOTAL = 29		
14-1 to 14-20	EDITH BLVD. ROADWAY CROSS SECTIONS		
14-22	TAHOE DRIVE ROADWAY CROSS SECTIONS		
	SUBTOTAL = 22		
15-1	FILL HEIGHT AND BEDDING DETAILS FOR ELLIPTICAL CONCRETE PIPE AND PIPE ARCH	11/29/2004	206-02-1/1
15-2	MAX. & MIN. STEEL ROUND PIPES CORRUGATED METAL AND STRUCTURAL PLATE	11/29/2004	206-04-1/3
15-3	CORRUGATED METAL CULVERT & PIPE ARCHES, BEDDING & BACKFILL DETAILS	11/29/2004	206-07-1/1
15-4	EXCAVATION AND BACKFILL FOR GRIDGES, WALLS AND CBC'S	11/29/2004	210-01-1/1
15-5	CONCRETE COLLARS & PLUGS FOR CBC TO METAL CULVERT PIPE	11/29/2004	515-01-1/2
15-6	MISCELLANEOUS CULVERT DETAILS CAST IN PLACE, PRECAST, AND PREFABRICATED CONNECTORS FOR CULVERTS	11/29/2004	515-01-2/2
15-7	WIRE ENCLOSED RIPRAP CLASS A	11/29/2004	602-01-1/1
15-8	EROSION CONTROL AT CULVERT OUTLETS	11/29/2004	602-02-1/1
15-9	TEMPORARY EROSION & SEDIMENT CONTROL MEASURES	11/29/2004	603-01-1/7
15-10	TEMPORARY EROSION & SEDIMENT CONTROL MEASURES SILT FENCE	11/29/2004	603-01-3/7
15-11	TEMPORARY EROSION & SEDIMENT CONTROL MEASURES CULVERT & DROP INLET PROTECTION	11/29/2004	603-01-4/7
15-12	TEMPORARY EROSION & SEDIMENT CONTROL MEASURES DRAIN & SURFACE ROUGHENING	11/29/2004	603-01-6/7
15-13	T.E.S.C.M. OFFSITE TRACKING PREVENTION & DIVERSION DIKE	11/29/2004	603-01-7/7
15-14	STANDARD CHAIN LINK FENCES AND GATES	11/29/2004	607-04-1/1
15-15	CHAIN LINK SECURITY FENCE	11/29/2004	607-06-1/1
15-16	PEDESTRIAN RAILING W/ HANDHOLD	3/10/2004	607-20-2/4
15-17	PEDESTRIAN RAILING W/ HANDHOLD	3/10/2004	607-20-3/4
15-18	PEDESTRIAN RAILING	3/10/2004	607-20-4/4
15-19	PEDESTRIAN ACCESS DETAILS TYPICAL CURB RAMP LOCATIONS	12/31/2003	PAD-001-1/10
15-20	PEDESTRIAN ACCESS DETAILS TYPICAL CURB RAMPS	3/19/2004	PAD-001-2/10
15-21	PEDESTRIAN ACCESS DETAILS CURB RAMP DETAILS TYPE "A" & TYPE "B"	8/9/2004	PAD-001-3/10
15-22	PEDESTRIAN ACCESS DETAILS CURB RAMP DETAILS TYPE "C" & TYPE "D"	12/31/2003	PAD-001-4/10
15-23	PEDESTRIAN ACCESS DETAILS MEDIAN CUT DETAILS PEDESTRIAN ISLAND	12/31/2003	PAD-001-6/10
15-24	PEDESTRIAN ACCESS DETAILS TYPICAL DRIVEWAY/DRIVEPAD APRONS ISOMETRIC VIEWS	12/31/2003	PAD-001-7/10
15-25	PEDESTRIAN ACCESS DETAILS ACCESSIBLE PARKING, PASSENGER LOADING, BUS STOP AND RAMP REQUIREMENTS	12/31/2003	PAD-001-9/10
15-26	DETECTABLE WARNING SURFACE	12/31/2003	PAD-001-10/10
15-27	MEDIAN DROP INLET 10'-0" X 5'-0" DETAILS AND QUANTITIES	6/13/2005	623-05-1/1
15-28	MAILBOXES AND STYLE POSTS, MISCELLANEOUS DETAILS	11/29/2004	667-01-1/2
15-29	MEDIAN DROP INLET DETAIL AND QUANTITIES TYPE I AND TYPE II	6/13/2005	623-02-1/1
15-30 TO 15-34	~~BLANK~~ CBC		
16-1 to 16-~~X~~ 13	C.O.A. STANDARD DRAWINGS		
	BLANK		
15-35	CONCRETE WALL BARRIER, TYPE 82		
	SUBTOTAL = ~~23~~ 35		
	SUBTOTAL = ~~12~~ 13		
	SHEET TOTAL = ~~364~~ 395		

ADDED NEW SHEETS 11-3R AND 11-17R

AS BUILT INFORMATION
CONTRACTOR A.S. HARMER
WORK STARTED BY SNYDER MILLER 3/06 DATE
INSPECTORS ACCEPTANCE BY B&PWD 3/09 DATE
VERIFICATION BY B&PWD 3/09 DATE
CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", spouted to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCHANAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	04/09	ADDED SHEET NUMBERS	VRV

DESIGNED BY JB DATE 8/1/06
DRAWN BY RJ DATE 8/1/06
CHECKED BY NA DATE 8/2/06

RECORD DRAWING

PB Parsons BRINCKERHOFF

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
INDEX OF SHEETS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 1-2

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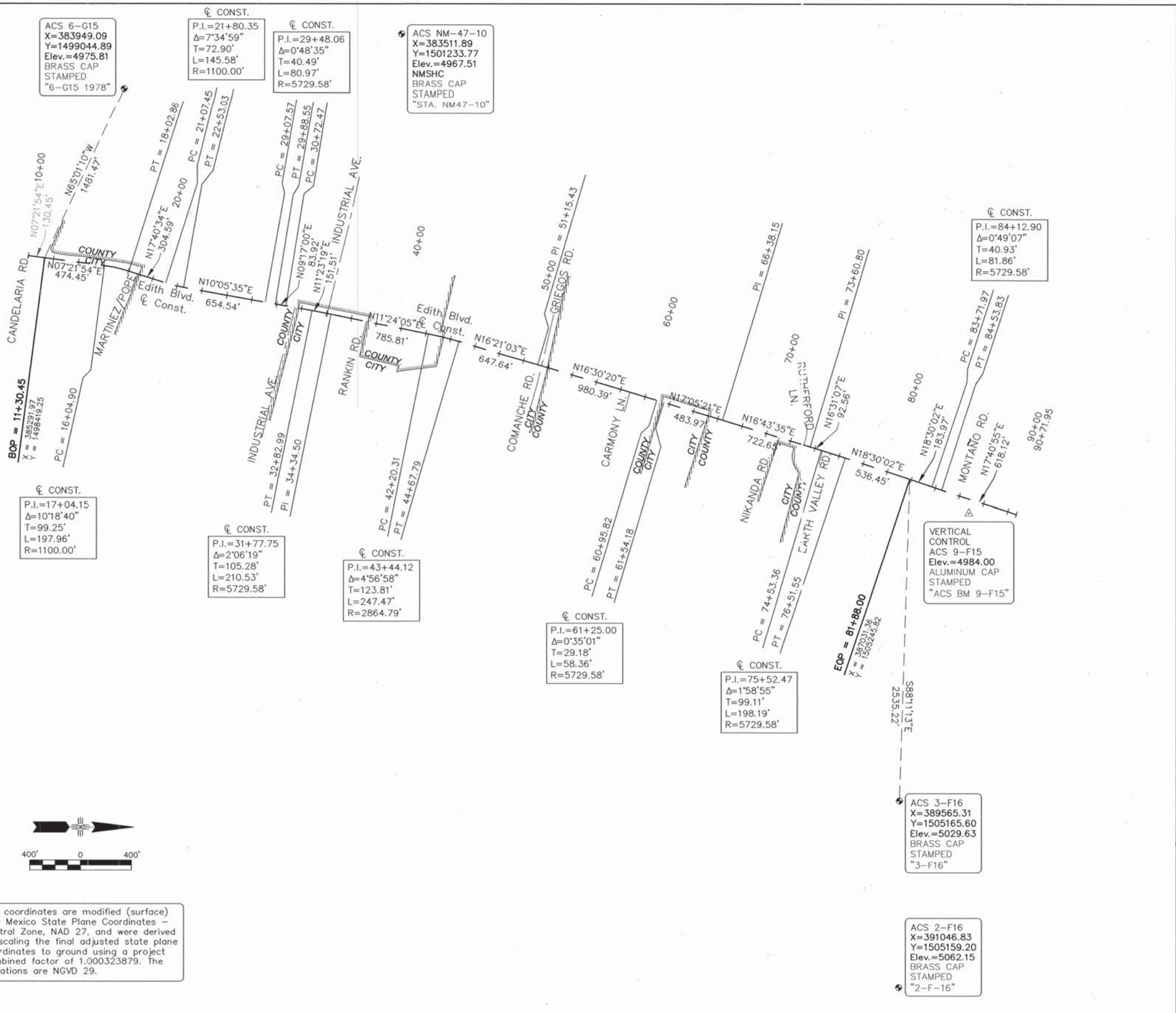

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER

WORK STAKED BY SWCA/MILLER 1/08 DATE

AS-BUILTS BY B.C.P.W.D. 1/09 DATE

FIELD VERIFICATION BY B.C.P.W.D. 1/09 DATE

DRAWINGS CORRECTED BY P.B. 5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BRACKMAN, NEW MEXICO, 13062, 8/7/07, REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	JB	DATE	8/1/06
DRAWN BY	BR	DATE	8/1/06
CHECKED BY	NA	DATE	8/2/06

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
HORIZONTAL LAYOUT

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	1-3

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SUMMARY OF QUANTITIES

NMDOT ITEM NO.	ITEM DESCRIPTION	UNIT	ROADWAY		CONSTRUCTION TRAFFIC CONTROL		SIGNALS & LIGHTING		PERMANENT SIGNING		CONSTRUCTION ENGINEERING		STORM DRAIN		UTILITIES		TOTALS	
			ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL
201XX1	CLEARING AND GRUBBING	ACRES	19	19													19	19
203000	UNCLASSIFIED EXCAVATION	CU.YD.	76000	68600													76000	68600
203200	SUBEXCAVATION	CU.YD.	9000	620													9000	620
207000	SUBGRADE PREPARATION	SQ.YD.	64,940	67,580									4900	4900			69840	67,582
210000	STRUCTURE EXCAVATION	CU.YD.	270	245									300	300			570	245
304140	BASE COURSE 4"	SQ.YD.	2150	2208									4900	4900			7050	2208
304170	UNTREATED BASE COURSE 7" TYPE I	SQ.YD.	49,100	49,900													49100	49,900
304800	BASE COURSE TESTING BY THE CONTRACTOR (QA ONLY)	L.S.									1	1					1	1
405000	DETOUR PAVEMENT CONSTRUCTION	SQ.YD.			6510	6110											6510	6110
407000	BITUMINOUS MATERIAL FOR TACK COAT	TON	39.00	13.00													39	13.00
408100	PRIME COAT MATERIAL	TON	114.00	3.36													114	3.36
416000	MINOR PAVING	SQ. YD.	3760	6847													3760	6847
422250	PLANT MIX BITUMINOUS PAVEMENT (PMBP) SP-III (5.5")	SQ. YD.	49,100	48,950													49100	48950
422251	PLANT MIX BITUMINOUS PAVEMENT (PMBP) SP-III (4")	SQ. YD.	10300	9998													10300	9998
422500	PMBP SAMPLING AND TESTING BY THE CONTRACTOR (QA ONLY)	L.S.									1	1					1	1
511000	STRUCTURAL CONCRETE, CLASS A	CU.YD.					70	70									70	70
511200	STRUCTURAL CONCRETE, CLASS A-4"	SQ.YD.	120	144													120	144
515000	REINFORCED CONCRETE FOR MINOR STRUCTURES	CU.YD.	146	150									529	525			675	675
540060	REINFORCING BARS GRADE 60	LBS.					4620	4470									4620	4470
570174	71"SX47"R (NOMINAL) CULVERT PIPE ARCH	LIN.FT.	146	146													146	146
570200	68"SX43"R HORIZONTAL ELLIPTICAL RCP	LIN.FT.	21	21													21	21
601000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	L.S.	1	1				2									1	1
601110	REMOVAL OF SURFACING	SQ.YD	44850	48240													44850	48240
602000	RIPRAP CLASS A	CU.YD.											80	204			80	204
603100	TEMPORARY SOIL STABILANT	ACRE	21.7	0													21.7	0
603200	SILT FENCE	LIN.FT.	3100	3100													3100	3100
603251	DROP INLET PROTECTION TYPE II	EACH	26	0													26	0
603270	SWPPP PLAN PREPARATION	L.S.									1	1					1	1
603280	SWPPP MANAGEMENT	L.S.									1	1					1	1
606610	TEMPORARY CWB RETAINED BY THE CONTRACTOR	LIN. FT.			3750	1190						2					3750	4940
606619	RESETTING OF CONCRETE WALL BARRIER	LIN.FT.			18750	3690											18750	22440
607XX1	TEMPORARY FENCE	LIN. FT.	2600	1774		2											2600	1774
607024	CHAIN LINK FENCE 4'	LIN.FT.	60	14									150	164			210	178
607025	CHAIN LINK FENCE 5'	LIN.FT.	300	149													300	149
607026	CHAIN LINK FENCE 6'	LIN.FT.	870	888									2550	2383			3420	3270
607046	CHAIN LINK FENCE SECURITY FENCE 6'	LIN.FT.	810	985													810	985
607048	CHAIN LINK FENCE SECURITY FENCE 8'	LIN.FT.	60	0													60	0
607XX2	WOOD PRIVACY FENCE	LIN. FT.	60	0													60	0
607410	CHAIN LINK GATE, 10' SPAN X 6' OR 8' RISE	EACH	8	8													8	8
607414	CHAIN LINK GATE, 14' SPAN X 6' RISE	EACH	2	2									1	2			3	4
607XX3	CHAIN LINK GATE, 9' SPAN X 5' RISE	EACH	4	8													4	8
607479	CHAIN LINK GATE, 9' SPAN X 6' RISE	EACH	8	0													8	0
607495	CHAIN LINK GATE, 12' SPAN X 5' RISE	EACH	1	0													1	0
607496	CHAIN LINK GATE, 12' SPAN X 6' RISE	EACH	2	6									1	0			3	6
607502	CHAIN LINK GATE, 15' SPAN X 6' RISE	EACH	1	0										2			1	0
607XX4	CHAIN LINK GATE, 18' SPAN X 4' RISE	EACH	1	1													1	1
607XX5	CHAIN LINK SLIDE GATE, 20' SPAN X 6' RISE	EACH	8	6													8	6
608004	CONCRETE SIDEWALK 4"	SQ.YD.	6000	6002													6000	6002
608106	DRIVE PAD 6"	SQ.YD.	2500	2614													2500	2614
608404	CONCRETE MEDIAN PAVEMENT 4" (COLORED AND PATTERNED)	SQ.YD.	290	231													290	231
609400	MEDIAN CURB & GUTTER	LIN.FT.	1630	1397													1630	1397
609500	STANDARD AND DEPRESSED CURB & GUTTER	LIN.FT.	10700	9955													10700	9955
609600	CONCRETE VALLEY GUTTER	SQ. YD.	965	936									1023				1988	936
511XX1	JUNCTION BOX	L.S.											1					2
511XX2	6 X 6 CONCRETE BOX CULVERT	~~L.S.~~ LF											292					

ADD. #1

1 ADDED 511XX2 6 X 6 CONCRETE BOX CULVERT

2 CHANGED QUANTITIES

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER

WORK STAKED BY SNIDER MILLER 1/08 DATE

ACCEPTANCE BY BCPND 1/09 DATE

FIELD VERIFICATION BY BCPND 1/09 DATE

DRAWINGS CORRECTED BY P.B. 5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
2	06/09	ADDED FINAL SUMMARY	VRV
1	04/09	ADDED WINDOW ITEM NUMBERS 511XX1 & 511XX2	VRV

DESIGN DATE

DESIGNED BY

DRAWN BY

CHECKED BY

DATE

DATE

DATE

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
SUMMARY OF QUANTITIES

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	1-4

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SUMMARY OF QUANTITIES, CONTINUED

NMDOT ITEM NO.	ITEM DESCRIPTION	UNIT	ROADWAY		CONSTRUCTION TRAFFIC CONTROL		SIGNALS & LIGHTING		PERMANENT SIGNING		CONSTRUCTION ENGINEERING		STORM DRAIN		UTILITIES		TOTALS	
			ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL
609707	CONCRETE LAYDOWN CURB 7"	LIN.FT.	3240	3378													3240	3378
617000	VIBRATION MONITORING	L.S.									1	1					1	1
618000	TRAFFIC CONTROL MANAGEMENT	L.S.									1	1					1	1
621000	MOBILIZATION	L.S.	1	1													1	1
623084	MDI 10'x5' (URBAN) H=3'1" TO 6'0"	EACH											3	3			3	3
632000	CLASS A SEEDING	ACRE	15.1	11.7													15.1	11.7
632100	STEEP SLOPE SEEDING	ACRE	1	1													1	1
632200	BROADCAST SEEDING	ACRE	2	1													2	1
643100	METAL RAILING, PEDESTRIAN	LIN. FT.	410	170													410	170
667110	MAIL BOX INSTALLATION-SINGLE	EACH	25	21													25	21
667120	MAIL BOX INSTALLATION-DOUBLE	EACH	2	3													2	3
667130	MAIL BOX INSTALLATION-MULTIPLE	EACH	9	16													9	16
701000	PANEL SIGNS	SQ. FT.							380	390							380	390
701100	STEEL POST AND BASE POST FOR PANEL SIGNS	LIN.FT.							530	670							530	670
702000	CONSTRUCTION SIGNING	SQ.FT.			1400	1245											1400	1245
702100	STEEL POSTS AND BASE POSTS FOR CONSTRUCTION SIGNING	LIN.FT.			1400	0											1400	0
702110	PORTABLE SIGN SUPPORT	EACH			82	100											82	100
702238	BARRICADE, TYPE III-8'	EACH			20	12											20	12
702525	CHANNELIZATION DEVICES TYPE DRUM	EACH			200	380											200	380
702600	SEQUENTIAL ARROW DISPLAY	EACH			4	3											4	3
702610	PORTABLE CHANGEABLE MESSAGE SIGN	EACH			6	6											6	6
704100	REMOVABLE MARKING TAPE	LIN.FT.			66000	39371											66000	39371
704204	RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE 4"	LIN.FT.							23000	21039							23000	21039
704212	RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE 12"	LIN.FT.							1600	1777							1600	1777
704224	RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE 24"	LIN.FT.							150	150							150	150
704320	RETROREFLECTORIZED PLASTIC RIGHT ARROW	EACH							6	6							6	6
704330	RETROREFLECTORIZED PLASTIC LEFT ARROW	EACH							56	53							56	53
704400	RETROREFLECTORIZED WORD (ONLY)	EACH							12	10							12	10
704600	RETROREFLECTORIZED PLASTIC RAILROAD CROSSING	EACH							4	4							4	4
706110	SERVICE RISER (LIGHTING)	EACH					3	3									3	3
706405	LIGHTING CONTROL CABINET-SIX CIRCUIT	EACH					3	3									3	3
707010	TYPE I STANDARD, 10'	EACH					1	1									1	1
707540	TYPE V STANDARD, 40'	EACH					48	47									48	47
707820	REMOVE & RESET TRAFFIC SIGNAL & MASTARM	EACH					2	2									2	2
709020	RIGID ELECTRICAL CONDUIT 2" (DIA.)	LIN.FT.					7750	8970									7750	8970
709030	RIGID ELECTRICAL CONDUIT 3" (DIA.)	LIN.FT.					7800	7437									7800	7437
710000	ELECTRICAL PULL BOX (STANDARD)	EACH					25	22									25	22
710010	ELECTRICAL PULL BOX (LARGE)	EACH					3	3									3	3
711005	MULTI CONDUCTOR CABLE 5	LIN.FT.					250	320									250	320
711020	MULTI CONDUCTOR CABLE 20	LIN.FT					550	640									550	640
711102	SINGLE CONDUCTOR 2	LIN FT					14500	16844									14500	16844
711106	SINGLE CONDUCTOR 6	LIN.FT.					300	580									300	580
711108	SINGLE CONDUCTOR 8	LIN.FT.					7200	8017									7200	8017
711210	SINGLE CONDUCTOR 1/0	LIN.FT.					210	0									210	0
713010	LOOP VEHICLE DETECTOR	EACH					3	3									3	3
713030	LOOP DETECTOR WIRE	LIN.FT.					400	1549									400	1549
713250	LOOP LEAD-IN CABLE	LIN.FT.					1900	1616									1900	1616
713300	DETECTOR SAW CUT	LIN.FT.					700	531									700	531
7138X1	MODIFICATIONS TO VIDEO DETECTION AREA AT EDITH/GRIEGOS INTERSECTION	L.S.					1	0									1	0
716025	ROADWAY LUMINAIRE TYPE 250 S	EACH					48	0									48	0
720100	SAND BARREL VEHICULAR IMPACT ATTENUATOR UNIT	EACH			10	4											10	4
720110	REMOVE AND RESET SAND BARREL VEHICULAR IMPACT ATTENUATOR	EACH			50	4											50	4
721000	REMOVAL OF PAVEMENT STRIPE	LIN.FT.							1000	1613							1000	1613
721101	REMOVAL OF PAVEMENT MARKING	EACH							8	5								5
801000	CONSTRUCTION STAKING BY THE CONTRACTOR	L.S.									1	1					1	1

AS BUILT INFORMATION

CONTRACTOR A.S. HAKNER

WORK STAKED BY SNYDER MILLER 1/09 DATE

ACCEPTANCE BY BCPWD 1/09 DATE

FIELD VERIFICATION BY BCPWD 1/09 DATE

DRAWINGS CORRECTED BY P.B. 5/09 DATE

MICRO-FILM INFORMATION

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NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.

NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	06/09	ADDED FINAL SUMMARY	VRV

DESIGN

DESIGNED BY DATE

DRAWN BY DATE

CHECKED BY DATE

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
SUMMARY OF QUANTITIES

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	1-5

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SUMMARY OF QUANTITIES, CONTINUED

COA ITEM NO.	ITEM DESCRIPTION	UNIT	ROADWAY		CONSTRUCTION TRAFFIC CONTROL		SIGNALS & LIGHTING		PERMANENT SIGNING		CONSTRUCTION ENGINEERING		STORM DRAIN		UTILITIES		TOTALS	
			ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL
207.010	LEAN FILL, CIP	CY													12	11	12	11
701.010	TRENCHING, BACKFILLING, & COMPACTION, FOR 4" TO 15" SEWER PIPE, 8' OR LESS IN DEPTH, PIPE NOT INCL., COMPL.	LF													1172	1333	1172	1333
701.020	TRENCHING, BACKFILLING, & COMPACTION, FOR 4" TO 15" SEWER PIPE, OVER 8' TO 12' IN DEPTH, PIPE NOT INCL., COMPL.	LF													4794	4147	4794	4147
701.021	TRENCHING, BACKFILLING, & COMPACTION, FOR 4" TO 15" SEWER PIPE, OVER 12' TO 16' IN DEPTH, PIPE NOT INCL., COMPL.	LF													300	603	300	603
701.022	TRENCHING, BACKFILLING, & COMPACTION, FOR 4" TO 15" SEWER PIPE, OVER 16' TO 20' IN DEPTH, PIPE NOT INCL., COMPL.	LF													225	242	225	242
701.100	TRENCHING, BACKFILLING, & COMPACTION, FOR 18" TO 36" PIPE, UP TO 8' IN DEPTH	LF											3246	3118			3246	3118
701.110	TRENCHING, BACKFILLING, & COMPACTION, FOR 18" TO 36" PIPE, FROM 8' TO 12' IN DEPTH	LF											1333	1290			1333	1290
701.150	TRENCHING, BACKFILLING, & COMPACTION, FOR 42" TO 60" PIPE, UP TO 8' IN DEPTH	LF											375	288			375	288
701.160	TRENCHING, BACKFILLING, & COMPACTION, FOR 42" TO 60" PIPE, FROM 8' TO 12' IN DEPTH	LF											1228	1035			1228	1035
701.170	TRENCHING, BACKFILLING, & COMPACTION, FOR 42" TO 60" PIPE, FROM 12' TO 16' IN DEPTH	LF											1427	1506			1427	1506
701.220	TRENCHING, BACKFILLING, & COMPACTION, OVER 60" PIPE, FROM 12' TO 16' IN DEPTH	LF											784	394			784	394
701.360	REMOVE & DISPOSE OF UNSUITABLE BACKFILL MATERIAL, COMPL.	LF											847	1156			847	1156
701.XX1	SELECT GRAVEL MATERIAL, CIP.	CU.YD.													300	10	300	10
710.XX1	BORE/CASING, 30" DIA., CIP.	LF											131	121			131	121
801.002	6" WATERLINE PIPE EXCL. FITTINGS,(STD. SPEC. SEC. 801), INCL. TRENCH & COMPACTED BACKFILL TO 6' DEPTH, CIP.	LF												2	1431	1430	1431	1430
801.003	8" WATERLINE PIPE EXCL. FITTINGS, (STD. SPEC. SEC. 801), INCL. TRENCH & COMPACTED BACKFILL TO 6' DEPTH, CIP.	LF													200	331	200	331
801.004	10" WATERLINE PIPE EXCL. FITTINGS,(STD. SPEC. SEC. 801), INCL. TRENCH & COMPACTED BACKFILL TO 6' DEPTH, CIP.	LF													1818	2099	1818	2099
801.005	12" WATERLINE PIPE EXCL. FITTINGS, (STD. SPEC. SEC. 801), INCL. TRENCH & COMPACTED BACKFILL TO 6' DEPTH, CIP.	LF													3300	3330	3300	3330
801.050	EXTRA TRENCH DEPTH FOR 4" TO 14" WATERLINES OVER 6' IN DEPTH, INCL. COMPACTED BACKFILL, COMPL.	VF-LF													2829	953	2829	953
801.XX1	EXISTING WATERLINE, 4" TO 14", WITH FITTINGS, REMOVE & DISPOSE, INCL. TRENCHING, COMPL.	LF													1 ADD.#1 1650 ~~4447~~	5891	4447	5891
801.XX2	EXISTING AC WATERLINE, 6" TO 14", WITH FITTINGS, REMOVE & DISPOSE, INCL. TRENCHING, COMPL.	LF													1000	1472	1000	1472
801.XX3	TEMPORARY SHOEFLY WATERLINE, 4", INCL. INSTALLATION, FLUSHING, USE & REMOVAL, COMPL.	LF													1800	0	1800	0
801.059	NON-PRESSURIZED CONNECTION,EXISTING WATERLINE, ALL SIZES, INCL. FITTINGS, COMPL.	EA													29	38	29	38
801.065	DUCTLE IRON MJ FITTINGS, CLASS 250, 4" TO 14" WATERLINE, INCL. JOINTING MATERIAL, CIP.	LB													10500	28350	10500	28350
801.081	6" GATE VALVE, CIP.	EA													41	43	41	43
801.082	8" GATE VALVE,CIP.	EA													3	3	3	3
801.083	10" GATE VALVE, CIP.	EA													4	6	4	6
801.084	12" GATE VALVE, CIP.	EA													10	10	10	10
801.105	VALVE BOX, CIP. SD 2326	EA													58	60	58	60
801.112	VALVE BOX, RING & COVER, ADJUST TO GRADE, CIP. SD 2328	EA													23	11	23	11
801.113	FIRE HYDRANT, 4' BURY, MJ, CIP. SD 2340	EA													1 ADD.#1 ~~9~~	10	5	10
801.114	FIRE HYDRANT, 4-1/2' BURY, MJ, CIP. SD 2340	EA													~~22~~	21	26	21
801.116	FIRE HYDRANT EXTENSION, 6" OR 12", CIP.	EA													13	4	13	4
801.117	FIRE HYDRANT EXTENSION, 12" OR 24", CIP.	EA													1 ADD.#1 ~~2~~	9	7	9
801.118	FIRE HYDRANT EXTENSION, 24" OR 36", CIP.	EA													~~10~~	6	3	6
																2		2

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNYDER MILLER 7/09 DATE
ACCEPTANCE BY BCPWD 7/09 DATE
FIELD VERIFICATION BY BCPWD 7/09 DATE
DRAWINGS CORRECTED BY P.B. 5/09 DATE
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BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE. centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
2	06/09	ADDED FINAL SUMMARY	VRV
1	04/09	CHANGED UTILITIES ESTIMATES	VRV

DESIGN DATE
DESIGNED BY
DRAWN BY
CHECKED BY

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
SUMMARY OF QUANTITIES

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APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	1-6

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SUMMARY OF QUANTITIES, CONTINUED

COA ITEM NO.	ITEM DESCRIPTION	UNIT	ROADWAY		CONSTRUCTION TRAFFIC CONTROL		SIGNALS & LIGHTING		PERMANENT SIGNING		CONSTRUCTION ENGINEERING		STORM DRAIN		UTILITIES		TOTALS	
			ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL
801.119	FIRE HYDRANT, EXISTING, REMOVE & SALVAGE, COMPL.	EA													9	11	9	11
801.123	6" TRANSITION COUPLING, CIP. SD 2301	EA													~~16~~ 21 ADD. #1	6	~~16~~ 21	6
801.124	8" TRANSITION COUPLING, CIP. SD 2301	EA													~~+~~ 6	3	~~+~~ 6	3
801.125	10" TRANSITION COUPLING, CIP. SD 2301	EA													3	0	3	0
801.126	12" TRANSITION COUPLING, CIP. SD 2301	EA													1	0	1	0
801.150	MECHANICAL JOINT RESTRAINING GLAND, DI & PVC, 4"–8", CIP.	EA													105	244	105	244
801.151	MECHANICAL JOINT RESTRAINING GLAND, DI & PVC, 10"–12", CIP.	EA													125	182	125	182
801.155	JOINT RESTRAINING HARNESS, DI & PVC PUSH–ON BELLS, 4"–8",CIP.	EA													135	53	135	53
801.157	JOINT RESTRAINING HARNESS, DI & PVC PUSH–ON BELLS, 10"–12",CIP.	EA													120	97	120	97
801.XX4	ADJUST VAULT BARREL, RING & COVER TO GRADE	EA													~~+~~ 8	8	~~+~~ 8	8
801.XX5	REMOVE & REPLACE AIR VENT, COMPL.	EA													~~+~~ 8	8	~~+~~ 8	8
801.XX6	RELOCATE CP TEST STATION, COMPL.	EA													10	10	10	10
801.XX7	SJC DRAIN LINE CONNECTION, COMPL.	LS													1	1	1	1
802.450	Water Meter Box., 3/4" to 1", Rehab., excl. meter, cip, SD 2366	EA													3	1	3	1
802.560	WATER METER BOX, REMOVE & DISPOSE, COMPL.	EA													65	65	65	65
802.600	3/4" WATER SERVICE LINE, NEW SINGLE CONNECTION TO EXISTING WATERMAIN, INCL. METER BOX, CIP. SD 2362	EA													~~29~~ 38	38	29	38
802.610	3/4" WATER SERVICE LINE, NEW DOUBLE CONNECTION TO EXISTING WATERMAIN, INCL. METER BOX, CIP. SD 2362	EA													4	5	4	5
802.620	1" WATER SERVICE LINE, NEW SINGLE CONNECTION TO EXISTING WATERMAIN, INCL. METER BOX, CIP. SD 2362	EA													2	3	2	3
802.760	3/4" WATER SERVICE LINE, NEW SINGLE CONNECTION INSTALLED WITH NEW WATERMAIN, INCL. METER BOX, CIP. SD 2362	EA													~~46~~ 37	41	46	41
802.XX1	1" WATER SERVICE LINE, NEW SINGLE CONNECTION INSTALLED WITH NEW WATERMAIN, INCL. METER BOX, CIP. SD 2362	EA													~~2~~ 4	2	2	2
802.XX2	1–1/2" WATER SERVICE LINE, NEW SINGLE CONNECTION TO NEW WATERMAIN, INCL. METER BOX, CIP. SD 2363	EA													4	2	4	2
802.XX3	1–1/2" WATER SERVICE, NEW DOUBLE SERVICE TO NEW WATERMAIN, INCLUDING VAULT, LID, COVER, VALVES AND APPURTENANCES, CIP. SD 2370	EA													1	0	1	0
802.XX5	RELOCATE EXIST. FIRE SERVICE AT NMYDDC, INCLUDING NEW VAULT, LID, COVER, RELOCATION OF EXISTING ASSEMBLY AND APPURTENANCES, CIP. SD 2370	LS													1	0	1	0
901.030	8" SEWER PIPE, (STD. SPEC. SEC. 901), FURNISH & PLACE IN OPEN TRENCH, CIP.	LF													5276	5788	5276	5788
901.500	CONNECT SEWERLINE TO EXISTING MANHOLE,4" TO 15" PIPE, CIP.	EA													4	4	4	4
901.640	Vertical Drop at Manhole, incl. pipe & fittings, cip. SD 2116	VF													12	11	12	11
901.710	SEWERLINE, 4" TO 8", REMOVE & DISPOSE, TRENCHING NOT INCL. CIP. SD 2125	LF													870	853	870	853
901.XX1	8" SEWER PIPE, PRESSURE CLASS, GREEN COLOR, FURNISH AND PLACE IN OPEN TRENCH, CIP.	LF													790	745	790	745
901.XX2	8" D.I. SEWER PIPE, FURNISH AND PLACE IN OPEN TRENCH, CIP.	LF													425	0	425	0
905.025	8" SAS CLEANOUT, CIP.	EA													2	2	2	2
905.030	4" SEWER SERVICE RISER, INCL. PLASTIC PIPE W/ CASING, SADDLE & CONN, CIP. SD 2136	LF													75	37	75	37
905.050	4" NEW SEWER SERVICE LINE, FROM MAIN TO PROPERTY LINE, INCL. TRENCH, SADDLE & CONNECTION, CIP.	EA													59	71	59	71
905.299	RECONNECT EXISTING 4" SEWER SERVICE LINE TO REPLACEMENT MAIN, INCL NEW SERVICE LINE (LENGTH AS REQ'D), CIP. SD 2134	EA													~~16~~ 32	41	16	41
																2		2

RECORD DRAWING

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STARTED BY SNYDER MILLER 1/08 DATE
WORK ACCEPTANCE BY BCPWD 1/09 DATE
FIELD VERIFICATION BY BCPWD 1/09 DATE
DRAWINGS CORRECTED BY P.B. 5/09 DATE
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SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BURKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 11/30/07

NO.	DATE	REMARKS	BY
2	06/09	ADDED FINAL SUMMARY	VRV
1	04/09	REVISED UTILITIES & TOTAL ESTIMATES.	VRV

DESIGN
DESIGNED BY DATE
DRAWN BY DATE
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PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
SUMMARY OF QUANTITIES

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APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F–15, G–15 | Sheet 1–7

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SUMMARY OF QUANTITIES, CONTINUED

COA ITEM NO.	ITEM DESCRIPTION	UNIT	ROADWAY		CONSTRUCTION TRAFFIC CONTROL		SIGNALS & LIGHTING		PERMANENT SIGNING		CONSTRUCTION ENGINEERING		STORM DRAIN		UTILITIES		TOTALS	
			ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL
905.XX1	CONNECT STORM DRAIN PIPE TO EXISTING MH	EA											4	6			4	6
910.005	18" REINFORCED CONCRETE PIPE, III,FURNISH & PLACE IN OPEN TRENCH, CIP.	LF											1172	1416			1172	1416
910.006	18" REINFORCED CONCRETE PIPE, IV, FURNISH & PLACE IN OPEN TRENCH, CIP.	LF											1158	975			1158	975
910.009	24" REINFORCED CONCRETE PIPE, III, FURNISH & PLACE IN OPEN TRENCH, CIP.	LF											1584	1580			1584	1580
910.017	36" REINFORCED CONCRETE PIPE, III, FURNISH & PLACE IN OPEN TRENCH, CIP.	LF											452	451			452	451
910.019	42" REINFORCED CONCRETE PIPE, III, FURNISH & PLACE IN OPEN TRENCH, CIP.	LF											313	314			313	314
910.021	48" REINFORCED CONCRETE PIPE, III, FURNISH & PLACE IN OPEN TRENCH, CIP.	LF											360	350			360	350
910.024	54" REINFORCED CONCRETE PIPE, III, FURNISH & PLACE IN OPEN TRENCH, CIP.	LF											1265	1267			1265	1267
910.025	60" REINFORCED CONCRETE PIPE, III, FURNISH & PLACE IN OPEN TRENCH, CIP.	LF											1067	917			1067	917
910.028	66" REINFORCED CONCRETE PIPE, III, FURNISH & PLACE IN OPEN TRENCH, CIP.	LF											212	212			212	212
910.029	72" REINFORCED CONCRETE PIPE, III, FURNISH & PLACE IN OPEN TRENCH, CIP.	LF											347	182			347	182
910.067	~~BEND, 60" RCP, ANY DEGREE, FURNISH & INSTALL IN OPEN TRENCH, CIP.~~	EA											2				2	
910.068	~~BEND, 72" RCP, ANY DEGREE, FURNISH & INSTALL IN OPEN TRENCH, CIP.~~	EA											2				2	
910.XX1	36" X 22" ARCH PIPE, REINFORCED CONCRETE PIPE, IV, FURNISH & PLACE IN OPEN TRENCH, CIP.	LF											90	85			90	85
910.XX2	43" X 26" ARCH PIPE, REINFORCED CONCRETE PIPE, IV, FURNISH & PLACE IN OPEN TRENCH, CIP.	LF											98	96			98	96
910.XX3	51" X 31" ARCH PIPE, REINFORCED CONCRETE PIPE, IV, FURNISH & PLACE IN OPEN TRENCH, CIP.	LF											94	94			94	94
910.XX4	59" X 36" ARCH PIPE, REINFORCED CONCRETE PIPE, IV, FURNISH & PLACE IN OPEN TRENCH, CIP.	LF											149	128			149	128
910.XX5	CAP END OF PIPE, CIP	EACH											6	5			6	5
910.XX6	18" PVC PRESSURE PIPE (REF. COA STD. SPEC SECTION 121)	LF											185	180			185	180
910.XX7	TIDEFLEX CHECK VALVE, CIP.	EACH											1	1			1	1
910.XX8	END SECTION, 36" RCP, FURNISH & INSTALL IN OPEN TRENCH, CIP.	EACH											1	1			1	1
915.010	TYPE A INLET	EACH											37	37			37	37
915.040	TYPE DOUBLE C CURB INLET	EACH											4	4			4	4
915.050	TYPE D SINGLE GRATE INLET	EACH											4	4			4	4
915.080	CATTLEGUARD INLET	EACH											4	4			4	4
915.112	TYPE DOUBLE D INLET	EACH											8	10			8	10
920.010	MANHOLE, 4' DIA., TYPE "C", LESS THAN 6' DEEP, CIP. SD 2101	EA											9	9	1	3	10	11
920.070	MANHOLE, 4' DIA., TYPE "C" OR "E", 6' TO 10' DEEP, CIP. SD 2101	EA											4	5	14	12	18	17
920.080	MANHOLE, 4' DIA., TYPE "C" OR "E", 10' TO 14' DEEP, CIP. SD 2101	EA											2	3	12	11	14	14
920.090	MANHOLE, 4' DIA., TYPE "C" OR "E", ADDED COST FOR EACH ADDITIONAL FOOT OVER 14', CIP. SD 2101	VF													4	4	4	4
920.130	MANHOLE, 6' DIA., TYPE "C" OR "E", <6' DEEP, CIP.	EA											2	2			2	2
0920.140	MANHOLE, 6' DIA., TYPE "C" OR "E", 6' TO 10' DEEP, CIP.	EA											9	7			9	7
0920.150	MANHOLE, 6' DIA., TYPE "C" OR "E", 10' TO 14' DEEP, CIP.	EA											4	5			4	5
920.210	MANHOLE, 8' DIA., TYPE "C" OR "E", 6' TO 10' DEEP, CIP.	EA											10	10			10	10
920.220	MANHOLE, 8' DIA., TYPE "C" OR "E", 10' TO 14' DEEP, CIP.	EA											4	4			4	4
920.XX1	TEE TYPE MANHOLE	EA											9	7			9	7
920.400	EXISTING MANHOLE FRAME & COVER, ADJUST TO GRADE WITH METAL RINGS, 2" OR LESS, CIP. SD 2111	EA											1	0	11	0	12	0
920.410	EXISTING MANHOLE FRAME & COVER, ADJUST TO GRADE WITH MASONRY, OVER 2", CIP. SD 2111	EA											6	6	2	9	8	15
920.530	EXISTING 4' MANHOLE FLOOR, REHABILITATE, ALL DEPTHS, INCL. CLEANING, GROUTING, TRIMMING PROTRUDING PIPE, TESTING, MATERIAL & LABOR, COMPL.	EA													1	0	1	0
920.570	EXISTING MANHOLE, REMOVE & DISPOSE, ALL DEPTHS, 4' TO 6' DIA., CIP.	EA											3	1	5	5	8	6
925.141	3" PVC, SDR 21 PIPE, FORCE MAIN SAS, GREEN COLOR, WITH TRENCH & COMPACTED BACKFILL, COMPL.	LF													1177	1138	1177	1138
925.150	LIFT STATION WET WELL, COMPL.	LS													1	1	1	1

ADD#1

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNYDER MILLER 1/08 DATE
FIELD VERIFICATION AND ACCEPTANCE BY BCPWD 4/09 DATE
FIELD VERIFICATION BY BCPWD 3/09 DATE
DRAWINGS CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCKMAN, NEW MEXICO, 13062, REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	06/09	ADDED FINAL SUMMARY	VRV
2	04/09	AS BUILT CORRECTIONS PER #910.067 & #910.068, 3@6X3 SHEET 7 OF 10	VRV

DESIGN
DESIGNED BY DATE
DRAWN BY DATE
CHECKED BY DATE

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
SUMMARY OF QUANTITIES

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	1-8

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GENERAL NOTES

1. THE 2005 INTERIM SPECIFICATIONS OF THE NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION SHALL GOVERN CONSTRUCTION OF THIS PROJECT WITH THE EXCEPTION OF UTILITY AND STORM DRAIN WORK. CONSTRUCTION OF UTILITY AND STORM DRAIN WORK, IDENTIFIED BY CITY OF ALBUQUERQUE ITEM NUMBERS, WILL BE PERFORMED IN CONFORMANCE TO CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION.

2. CAUTION - ALL EXISTING UTILITIES SHOWN REFLECT THE BEST INFORMATION AVAILABLE AND ARE APPROXIMATE ONLY. THE UTILITY POTHOLE INFORMATION SHOWN ON THE PLANS IS FOR THE CONTRACTOR'S INFORMATION ONLY. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.

THE CONTRACTOR IS HEREBY ADVISED THAT UTILITY RELOCATION WORK BY THE UTILITY OWNERS MAY HAVE TO BE PERFORMED CONCURRENT WITH CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE FOR UTILITY WORK IN CONJUNCTION WITH CONSTRUCTION OPERATIONS AND SHALL BE REQUIRED TO COORDINATE THE SCHEDULING OF WORK WITH THE RESPECTIVE UTILITY OWNERS. ANY CLAIMS FOR DELAY SHALL BE CONTROLLED BY THE TERMS AND CONDITIONS OF SUBSECTIONS 105.6 - "COOPERATION WITH UTILITIES" AND 107.30 - "CONTRACTOR'S RESPONSIBILITY" OF THE INTERIM SPECIFICATIONS.

UTILITY OWNERS:

1. PNM ELECTRIC SERVICES – CHRIS BUDD, 401-7482
2. PNM GAS SERVICES – JOE DUNLOP, 241-7771
3. QWEST COMMUNICATIONS – NATALIA ANTONIO, 245-6846
4. COMCAST CABLE – MIKE MORTUS, 761-6252
5. VERIZON/MCI – LEE SIMNACHOL, 301-6630
6. ABCWUA – NANCY MUSINSKI, 768-2729

3. THE CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIAL WITHIN 20 FEET FROM THE EDGE OF THE DRIVING LANE UNLESS THE EQUIPMENT OR MATERIAL IS PROPERLY SHIELDED UTILIZING CURRENT SAFETY DESIGN AND INSTALLATION METHODS. THE SAFETY DESIGN FOR SHIELDING SHALL BE PROVIDED BY THE CONTRACTOR AND MUST BE APPROVED BY THE ENGINEER BEFORE IMPLEMENTING. THIS WORK, INCLUDING DESIGN, INSTALLATION AND REMOVAL OF THE SHIELDING, SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.

4. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT HORIZONTAL AND VERTICAL CONTROL SURVEY MONUMENTS (BENCHMARKS) FROM DAMAGE PRIOR TO INITIATING CONSTRUCTION. IF DURING THE COURSE OF CONSTRUCTION OPERATIONS, THE CONTRACTOR DISTURBS OR DESTROYS A BENCHMARK, THE CONTRACTOR WILL COMPENSATE THE COUNTY FOR THE COST OF REESTABLISHING A NEW BENCHMARK.

5. SHRINKAGE FACTOR: THE EARTHWORK QUANTITIES ARE BASED ON A SHRINKAGE FACTOR OF 25% OF ROADWAY EMBANKMENT VOLUME.

6. WARPING OF SLOPES: THE CONTRACTOR SHALL WARP SLOPES WHERE NECESSARY TO STAY WITHIN THE RIGHT OF WAY OR CONSTRUCTION EASEMENT LIMITS.

7. "R" VALUE: THE DESIGN "R" VALUE FOR THIS PROJECT IS 50. MATERIAL WITH AN "R" VALUE LESS THAN THE DESIGN "R" VALUE SHALL NOT BE PLACED IN OR BE ALLOWED TO REMAIN WITHIN THE TOP TWENTY-FOUR INCHES (24") OF THE FINISHED SUBGRADE. THIS SHALL INCLUDE DETOUR SUBGRADES.

8. PAVEMENT DROP-OFF POLICY: IF A PAVEMENT DROP-OFF IS CREATED DURING CONSTRUCTION, THE CONTRACTOR SHALL INITIATE PROTECTIVE ACTION IN ACCORDANCE WITH THE NMDOT CURRENT "DROP-OFF POLICY" (SHEET 6-2). THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THIS PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.

9. PUBLIC NOTIFICATION OF LANE CLOSURES: THROUGHOUT THE LIFE OF THIS PROJECT THE CONTRACTOR SHALL KEEP THE LOCAL NEWS MEDIA INFORMED OF LANE CLOSURES THAT WILL RESTRICT THE NORMAL FLOW OF TRAFFIC. THERE WILL BE NO DIRECT MEASUREMENT OR PAYMENT MADE FOR THESE ADVISORIES.

10. THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL PRIVATE AND PUBLIC PROPERTY AT ALL TIMES.

11. ALL DETOURS AND ROADWAY SHALL BE PAVED AND STRIPED PRIOR TO OPENING ANY SECTION TO TRAFFIC.

12. RESTRICTION ON ROLLER: THE CONTRACTOR SHALL BE RESTRICTED TO THE USE OF A 35 TON NON-VIBRATING ROLLER, MAXIMUM, TO OBTAIN THE REQUIRED COMPACTION OF EMBANKMENT AND SUBGRADES IN URBAN OR OTHER AREAS WHERE THE USE OF HEAVIER EQUIPMENT COULD DAMAGE UNDERGROUND UTILITIES OR OTHER PERMANENT STRUCTURES. RESTRICTED AREAS WILL BE DETERMINED BY THE PROJECT MANAGER.

13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REMOVALS REQUIRED TO COMPLETE THE PROJECT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY THE APPARENT REMOVALS NECESSARY TO CONSTRUCT THE PROJECT, INCLUDING THOSE NOT SHOWN ON THE PLANS, FOR APPROVAL BY THE PROJECT MANAGER. ALL REMOVALS NOT PAID UNDER OTHER UNIT-MEASUREMENT BID ITEMS SHALL BE INCLUDED IN THE COST OF ITEM 601000, "REMOVAL OF STRUCTURES AND OBSTRUCTIONS," AND NO ADDITIONAL MEASUREMENT OR PAYMENT SHALL BE MADE.

14. THE CONTRACTOR SHALL NOTIFY THE BERNALILLO COUNTY PUBLIC WORKS DIVISION, FIRE DEPARTMENT, SHERIFF'S DEPARTMENT, AND CITY AND COUNTY SOLID WASTE DEPARTMENTS, THE CITY OF ALBUQUERQUE FIRE DEPARTMENT AND POLICE DEPARTMENT, AND THE POST OFFICE IN WRITING, A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO ANY STREET CLOSURES OR WORK WITHIN COUNTY OR CITY RIGHT-OF-WAY.

15. MANHOLE, VAULT, AND VALVE BOX ADJUSTMENTS: THE CONTRACTOR SHALL TEMPORARILY ADJUST EXISTING AND NEW MANHOLE, VAULT, AND VALVE BOX COVERS FLUSH WITH THE TOP LIFT OF P.M.B.P. DURING CONSTRUCTION STAGES 1-3 TO PROVIDE A SMOOTH DRIVING SURFACE DURING CONSTRUCTION. DURING STAGE 4, THE CONTRACTOR SHALL MAKE ADJUSTMENTS TO MATCH FINAL GRADES. SEE C.O.A. STD. DRAWING 2461. ALL INTERIM AND FINAL ADJUSTMENTS OF NEW MANHOLES AND VALVE BOXES SHALL BE CONSIDERED INCIDENTAL TO THE ASSOCIATED ITEMS, AND NO ADDITIONAL MEASUREMENT OR PAYMENT SHALL BE MADE. MULTIPLE ADJUSTMENTS OF EXISTING MANHOLES, VAULTS AND VALVE BOXES SHALL BE PAID UNDER THE ASSOCIATED BID ITEMS ON A ONE-TIME BASIS AT EACH LOCATION.

16. THE CONTRACTOR SHALL USE DUE CAUTION DURING SURFACING OPERATIONS AND ADJUSTMENTS OF MANHOLES AND WATER VALVE BOXES. ANY DAMAGE TO MANHOLES OR WATER VALVE BOXES DURING THESE OPERATIONS WILL BE THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE REPAIRED OR REPLACED AT HIS OWN EXPENSE. ANY REPLACEMENTS OR ADJUSTMENTS REQUIRED SHALL BE PER APPLICABLE SPECIFICATIONS.

GENERAL NOTES

17. THE CONTRACTOR SHALL BE REQUIRED TO CONFINE HIS WORK WITHIN THE CONSTRUCTION LIMITS AND/OR RIGHT-OF-WAY LIMITS. PARKING OF PRIVATE VEHICLES SHALL NOT BE ALLOWED ALONG AND/OR WITHIN THE CONSTRUCTION AREA THROUGHOUT CONSTRUCTION LIMITS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROHIBIT CONSTRUCTION RELATED VEHICLES AND EQUIPMENT FROM DRIVING UPON, ACCESSING OR TURNING ON PRIVATE PROPERTY ADJACENT TO PROJECT WORK AREAS.

18. AIR POLLUTION CONTROL REGULATIONS: THE AIR POLLUTION CONTROL REGULATIONS OF THE ALBUQUERQUE-BERNALILLO COUNTY AIR QUALITY CONTROL BOARD LIMIT EMISSIONS OF PARTICULATE MATTER AND THE USE OF CUT BACK ASPHALT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ADHERE TO THESE RESTRICTIONS.

19. WHEN ABUTTING NEW PAVEMENT TO EXISTING, CONTRACTOR SHALL SAW CUT EXISTING PAVEMENT TO A NEAT, STRAIGHT LINE, AS REQUIRED, TO REMOVE ANY BROKEN OR CRACKED PAVEMENT AND MATCH NEW TO EXISTING. THIS WORK WILL BE CONSIDERED INCIDENTAL TO PAVING OPERATIONS AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.

20. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO EXISTING PAVEMENTS, CURB AND GUTTER, DRIVEWAYS, SIDEWALKS, VALVE BOXES, TRAFFIC CONDUIT, AND MANHOLES NOT DESIGNATED FOR REMOVAL DURING CONSTRUCTION AND SHALL REPAIR OR REPLACE SAME AT HIS OWN EXPENSE.

21. NOT USED

22. CONCRETE MEDIAN PAVEMENT SHALL HAVE A RUNNING BOND PATTERN. COLOR TO BE APPROVED BY THE P.M.

23. FOR CURB DETAILS, SEE SHEET 16-9. FOR VALLEY GUTTER, CONCRETE FILLET, AND SIDEWALK DETAILS, SEE SHEET 16-10. FOR DRIVEPAD LOCATIONS AND DETAILS, SEE SHEETS 2-10 & 11. FOR CURB RAMP DETAILS, SEE NMDOT SERIAL PAD-001 (SHEETS 15-19 TO 15-26). FOR SLOPE PAVEMENT DETAILS, SEE SHEET 2-7.

24. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING SECURE FENCING AND GATES FOR ADJACENT PROPERTIES AT ALL TIMES DURING CONSTRUCTION.

25. THE CONTRACTOR SHALL KEEP THE ROADWAY SAFELY PASSABLE AT ALL TIMES BY DRAINING OR PUMPING FLOOD WATER AS NEEDED. THE CONTRACTOR SHOULD BE AWARE THAT THE EAST SIDE OF EDITH BLVD. MAY BE PRONE TO FLOODING DURING STAGE 2 OF CONSTRUCTION DUE TO GRADES. THE CONTRACTOR SHALL SUBMIT A FLOOD CONTROL PLAN TO THE P.M. FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. AT A MINIMUM, THE PLAN SHALL SHOW: 1) THE PROPOSED STORM WATER REMOVAL METHODS, 2) THE AVAILABILITY OF ON-CALL MATERIALS AND EQUIPMENT, 3) THE TIME FRAME FOR RESPONSE DURING A STORM EVENT, AND 4) THE LOCATION(S) FOR STORM WATER DISPOSAL. THE CONTRACTOR SHALL NOT DIVERT CONCENTRATED FLOWS ONTO PRIVATE PROPERTY. THIS SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, AND NO ADDITIONAL MEASUREMENT OR PAYMENT SHALL BE MADE.

26. WHERE A PROFILE GRADE IS NOT PROVIDED IN THE PLANS, STREET CENTERLINE GRADES SHALL BE RESTORED BY THE CONTRACTOR TO THE EXISTING CENTERLINE GRADES. CROSS SECTION THE EXISTING ROAD PRIOR TO CONSTRUCTION AT 50' MINIMUM SPACING. MINOR ADJUSTMENTS TO THE STREET GRADES MAY BE NECESSARY AND WILL BE DIRECTED BY THE COUNTY CONSTRUCTION MANAGER. MINOR ADJUSTMENTS TO STREET GRADES WILL BE CONSIDERED INCIDENTAL TO THE PAVING BID ITEMS. SMOOTH TRANSITIONS SHALL BE MADE BETWEEN EXISTING PAVEMENT WHICH REMAINS IN PLACE AND PAVEMENT WHICH IS BEING REPLACED. TRAFFIC CONTROL DEVICES, INCLUDING PAVEMENT MARKINGS, MUST BE RESTORED TO THE SAME OR BETTER CONDITION AS BEFORE CONSTRUCTION.

27. THE CONTRACTOR SHALL PROVIDE CONSTRUCTION STAKING AND SURVEYING FROM COORDINATES, GRADES, AND BENCH MARKS SHOWN ON THE PLANS, OR MODIFIED IN THE FIELD BY THE ENGINEER, FOR ALL ITEMS OF WORK WHICH REQUIRE CONSTRUCTION STAKING AND SURVEYING. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO REESTABLISH ANY MISSING REFERENCE POINTS REQUIRED FOR THE CONSTRUCTION OF THIS PROJECT. THIS WORK SHALL INCLUDE BUT NOT BE LIMITED TO, ALL SURFACING, STORM DRAIN LINES, SEWER LINES, WATER LINES, AND SERVICE LINES. ALL COSTS INCURRED IN PROVIDING SUCH CONSTRUCTION STAKING AND SURVEYING WORK SHALL BE PAID AS SHOWN IN THE BID PROPOSAL.

28. IF HUMAN REMAINS ARE DISCOVERED ON THE SITE, ALL CONSTRUCTION WILL CEASE AND THE OFFICE OF THE MEDICAL EXAMINER SHALL BE CONTACTED FOR FURTHER INSTRUCTIONS.

29. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL CONSTRUCTION SIGNING UNTIL THE PROJECT HAS BEEN ACCEPTED.

COORDINATION WITH THE PUBLIC

SPECIAL NOTICES:

THE CONTRACTOR MUST HAND DELIVER SPECIAL NOTICES TO EACH RESIDENCE AND BUSINESS ADJACENT TO THE CONSTRUCTION AREA OR TO THOSE WHICH MAY BE AFFECTED BY THE CONSTRUCTION ACTIVITIES. SPECIAL NOTICES ARE TO INFORM RESIDENTS AND BUSINESSES IN WRITING WHENEVER ACCESS OR UTILITY SERVICE TO THEIR PROPERTY WILL BE IMPAIRED. THE CONTRACTOR IS RESPONSIBLE FOR THE FOLLOWING (INCIDENTAL TO CONSTRUCTION):

BEFORE CONSTRUCTION:

1. SPECIAL NOTICE IS TO BE DELIVERED NOT LESS THAN FOUR (4) CALENDAR DAYS PRIOR TO ACTUAL PHYSICAL CONSTRUCTION ON EACH LINE SEGMENT.

2. CORRECTED NOTICES ARE TO BE DELIVERED IF CONSTRUCTION DOES NOT START WITHIN 48 HOURS OF DATE GIVEN IN NOTICE.

3. THE WRITTEN NOTICE IS TO STATE IN BOTH ENGLISH AND SPANISH:
   a. CONTRACTOR'S NAME, ADDRESS, AND LOCAL TELEPHONE NUMBER.
   b. NATURE OF WORK TO BE DONE.
   c. DISRUPTION RESIDENCES OR BUSINESSES MIGHT EXPECT.
   d. EXPECTED DURATION OF CONSTRUCTION.
   e. CONTRACTOR'S LOCAL TELEPHONE NUMBER TO WHICH COMPLAINTS MAY BE MADE DURING NORMAL WORKING HOURS.

INCIDENTAL ITEMS

1. PAVEMENT DROP-OFF PROTECTION - SEE GENERAL NOTE 8, THIS SHEET
2. SHIELDING CONSTRUCTION EQUIPMENT AND MATERIALS - SEE GENERAL NOTE 3, THIS SHEET
3. PUBLIC NOTIFICATION - SEE GENERAL NOTE 9, THIS SHEET
4. SAWCUTTING EXISTING PAVEMENT - SEE GENERAL NOTE 19, THIS SHEET
5. PERMANENT SIGNING HARDWARE - SEE SHEET 7-1
6. CONCRETE COLLARS FOR PULL BOXES - SEE SHEET 8-1
7. CONCRETE FOUNDATION FOR LIGHTING CONTROL CABINET - SEE SHEET 8-1
8. MISCELLANEOUS LIGHTING ITEMS - SEE SHEET 8-1
9. WATER/SEWER LINE TESTING - SEE SPECIFICATIONS BOOK, SECT. 7, PARAGRAPH 30
10. COORDINATION WITH THE PUBLIC – SEE THIS SHEET
11. NOT USED
12. UTILITY COORDINATION – SEE UTILITY NOTES 4 & 5, SHEET 1-10
13. PROTECTION OF EXISTING UTILITIES – SEE UTILITY NOTE 5, SHEET 1-10
14. CHECK VALVES FOR WATER SERVICES – SEE UTILITY NOTE 9, SHEET 1-10
15. MINOR STREET GRADE ADJUSTMENTS – SEE NOTE 26, THIS SHEET
16. NMYDDC SIGN RELOCATION – SEE SHEET 3-4
17. NEW DETECTABLE WARNING SURFACES AT EDITH/CANDELARIA AND EDITH/GRIEGOS INTERSECTIONS – SEE SHEETS 2-12, 2-13 & 2-14
18. EXCAVATION TO VERIFY UTILITY LOCATIONS – SEE UTILITY NOTE 3, SHEET 1-10
19. EMD'S PER COA STD. SPEC. 170
20. MANHOLE AND VALVE BOX ADJUSTMENTS – SEE GENERAL NOTE 15, THIS SHEET
21. MINOR GATE ADJUSTMENTS – SEE RECESS GATES AND RELOCATE FENCES TABLE, SHEET 2-7
22. OFF-SITE TRACKING PREVENTION – SEE SHEET 2-20
23. ASPHALT WATERSTOP – SEE SHEET 3-65
24. OBLITERATION OF PAVEMENT MARKINGS OTHER THAN STRIPING – SEE PERMANENT SIGNING AND STRIPING PLANS
25. WELDED WIRE FABRIC IN SLOPE PAVING – SEE SHEET 2-7
26. ORIFICE PLATE – SEE SHEET 2-34
27. PIPE INLET GRATES – SEE SHEET 2-32
28. WHEELCHAIR PAVEMENT SYMBOL – SEE SHEET 3-28
29. CONCRETE CRADLES AND APPURTENANCES – SEE SHEETS 3-58 & 3-61
30. PIPE CASINGS THROUGH MANHOLES – SEE SHEETS 3-39 & 3-40
31. FLOODING CONTROL PLAN AND MEASURES – SEE GENERAL NOTE 25, THIS SHEET
32. MAILBOX AND DELIVERY COORDINATION – SEE SHEET 2-8
33. DRAINAGE GRATES FOR CONCRETE BERM – SEE SHEET 2-36
34. TELEVISING STORM DRAIN – SEE UTILITY NOTE 17, SHEET 1-10

RECORD DRAWING

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNIDER MILLER 3/09 DATE
INSPECTOR'S FIELD CHANGE BY B.C.PWD 3/09 DATE
FIELD VERIFICATION BY B.C.PWD 3/09 DATE
DRAWING CORRECTION BY P.B. 3/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
8/17/07

NO. DATE REMARKS BY
DESIGN
DESIGNED BY DATE
DRAWN BY DATE
CHECKED BY DATE

PB Parsons 100 YEARS Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
GENERAL NOTES

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F–15, G–15	1–9

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UTILITY NOTES

1. NOT USED

2. NOT USED

3. NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN HEREON AND THAT ANY EXISTING UTILITIES THAT ARE SHOWN ARE IN AN APPROXIMATE LOCATION ONLY. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT ALL THE UTILITY OWNERS AND EXCAVATE TO VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE COUNTY CONSTRUCTION MANAGER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY. EXCAVATION TO VERIFY LOCATIONS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING, IN ADVANCE OF CONSTRUCTION OPERATIONS, IF OVERHEAD UTILITY LINES, SUPPORT STRUCTURES, POLES, GUYS, ETC., ARE AN OBSTRUCTION TO CONSTRUCTION OPERATIONS. IF ANY OBSTRUCTION TO CONSTRUCTION OPERATIONS IS EVIDENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE APPROPRIATE UTILITY OWNER TO REMOVE OR SUPPORT THE OBSTRUCTION. ANY COST ASSOCIATED WITH THIS COORDINATION EFFORT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

5. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND SUPPORT ALL EXISTING UTILITIES AND SERVICE LINES IN COORDINATION WITH THE RESPONSIBLE UTILITY OWNER. THIS WORK WILL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE CONSIDERED.

6. THE CONTRACTOR SHALL COORDINATE ANY WATER VALVE SHUTOFF OPERATION WITH THE WATER SYSTEMS DIVISION (857-8200) NOT LESS THAN SEVEN (7) WORKING DAYS PRIOR TO INITIATING ANY WORK AFFECTING EXISTING WATER UTILITIES.

7. NOT USED

8. WATER VALVE BOXES SHALL BE CONSTRUCTED IN ACCORDANCE WITH C.O.A. DRAWINGS 2326 & 2328. EXISTING VALVE BOXES WITHIN THE NEW PAVEMENT ARE TO BE ADJUSTED OR REPLACED WITH NEW BOXES AS DIRECTED.

9. WATER SERVICES SHALL BE CONSTRUCTED IN ACCORDANCE WITH C.O.A. DRAWINGS 2362, 2363, & 2366. NEW WATER SERVICES SHALL BE 3/4" UNLESS OTHERWISE NOTED ON THE PLANS. ALL NEW AND REPLACEMENT WATER SERVICES SHALL INCLUDE A CHECK VALVE ON THE METER SETTER, AND THE COST SHALL BE INCLUDED IN THE SERVICE COST. THE CONTRACTOR SHALL FILL IN THE AS BUILT INFORMATION ON THE SERVICE TABLES IN THE PLANS. INSTALL HEAVYWEIGHT METER BOX COVERS AND LIDS PER C.O.A. DRAWING 2369 IN DRIVEWAYS AND TRAVELED WAYS. INSTALL PER C.O.A. DRAWING 2368 IN OTHER LOCATIONS.

10. EXISTING WATER SERVICES SHALL BE REPLACED WITH NEW SERVICES AS SHOWN IN THE PLANS. THE CONTRACTOR SHALL VERIFY EXISTING SERVICE LOCATIONS AND SIZES IN THE FIELD PRIOR TO ORDERING MATERIALS.

11. FIRE HYDRANTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH C.O.A. DWG. 2340, WITH FULLY RESTRAINED JOINTS. SALVAGED FIRE HYDRANTS SHALL BE DELIVERED TO THE PINO YARDS.

12. SEWER SERVICES SHALL BE 4" DIAMETER AND SHALL BE CONSTRUCTED ACCORDING TO C.O.A. DWG. 2125 & 2136 UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL VERIFY NEW SEWER SERVICE LINE LOCATIONS (BOTH HORIZONTAL AND VERTICAL) WITH THE PROPERTY OWNER IN THE FIELD AT THE TIME OF CONSTRUCTION. THE CONTRACTOR SHALL FILL IN THE AS BUILT INFORMATION ON THE SERVICE TABLES IN THE PLANS.

13. MANHOLES SHALL BE CONSTRUCTED ACCORDING TO C.O.A. DRAWINGS 2101 & 2102. SANITARY SEWER MANHOLES SHALL NOT HAVE STEPS. DROP CONNECTIONS SHALL BE PER C.O.A. DRAWING 2116. WHERE NECESSARY AND FEASIBLE, ROTATE LIDS TO KEEP THE OPENINGS OUT OF THE TRAVEL LANES.

14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE SITE IN A SAFE CONDITION PER OSHA REQUIREMENTS. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650, SUBPART P.

15. SEE THE TRAFFIC CONTROL GENERAL NOTES, SHEET 6-1.

16. IF, DURING CONSTRUCTION, AN EXISTING FIRE LINE IS FOUND WITHOUT A VALVE WITHIN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL A VALVE.

17. ALL COMPLETED STORM DRAIN LINES WITH AN OPENING DEPTH OF 48" OR LESS SHALL BE INSPECTED BY A TELEVISION CAMERA BEFORE LINES BECOME OPERATIONAL OR FINAL ACCEPTANCE OF THE INSTALLATION. THE PROCEDURE SHALL BE IN ACCORDANCE WITH SECTION 901-8.2 OF THE CITY OF ALBUQUERQUE SUPPLEMENTAL TECHNICAL SPECIFICATIONS PER SECTION 10 OF THE CONTRACT DOCUMENTS. THIS SHALL BE INCLUDED IN THE PAY LENGTH OF THE STORM DRAIN CULVERT AND NO ADDITIONAL MEASUREMENT OR PAYMENT SHALL BE MADE THEREFOR.

18. FOR STORM DRAIN CONSTRUCTION, RCP PIPE JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE.

1 19. ~~THE CITY OF ALBUQUERQUE STORM INLET ALTERNATE CRATE SHALL BE USED FOR ALL C.O.A. TYPE "I" INLETS. SEE C.O.A. DWG. 2221.~~

SAN JUAN CHAMA WATERLINE
A.B.C.W.U.A. COORDINATION

THE "SAN JUAN CHAMA" 72" WATER LINE IS A **VERY** HIGH PRESSURE WATER TRANSMISSION PIPELINE. ALL CONSTRUCTION NEAR THE PIPELINE MUST BE COORDINATED WITH THE WATER UTILITY AUTHORITY. PIPE ZONE MATERIAL WITHIN 5 FEET HORIZONTALLY FROM THE EDGE OF THE PIPELINE, AND 2 FEET VERTICALLY FROM THE TOP OR BOTTOM OF THE PIPELINE SHOULD NOT BE DISTURBED. IF CONSTRUCTION ACTIVITIES REQUIRE THE REMOVAL OF THIS PIPE ZONE MATERIAL, IT IS TO BE REPLACED IN-LIKE-KIND WITH SELECT GRAVEL MATERIAL.

ASBESTOS CEMENT PIPE REMOVAL AND DISPOSAL

GENERAL: SOME EXISTING WATERLINE PIPE CALLED OUT TO BE REMOVED AND DISPOSED OF IS ASBESTOS CEMENT PIPE.

1. DESCRIPTION OF WORK: REMOVE, TRANSPORT, AND DISPOSE OF ALL ASBESTOS CEMENT (AC) PIPE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. THE WORK SPECIFIED HEREIN SHALL BE THE REMOVAL OF ALL AC PIPE, BY COMPETENT PERSONS, IN COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS. THE CONTRACTOR SHALL VERIFY THE EXISTENCE AND LOCATION OF THE ASBESTOS CEMENT PIPELINE BEFORE PROCEEDING WITH THE WORK. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE PROPER ARRANGEMENTS WITH THE AUTHORIZED AGENCY, FOR THE HANDLING, REMOVAL, TRANSPORT, AND DISPOSAL OF ALL ASBESTOS CEMENT PIPE.

2. SUBMITTALS: PROOF, SATISFACTORY TO THE ENGINEER, THAT THE REQUIRED PERMITS HAVE BEEN OBTAINED, AND THAT THE ARRANGEMENTS FOR TRANSPORT AND DISPOSAL OF ASBESTOS CONTAINING WASTE MATERIALS HAVE BEEN MADE. ALL DUMP RECEIPTS, TRIP TICKETS, TRANSPORTATION MANIFESTS, OR OTHER DOCUMENTATION OF DISPOSAL SHALL BE DELIVERED TO THE PROJECT ENGINEER FOR HIS/HER RECORDS. EMPLOY A RECORD KEEPING FORMAT THAT UTILIZES A CHAIN OF CUSTODY FORM, WHICH INCLUDES THE NAMES AND ADDRESSES OF THE GENERATOR (OWNER), CONTRACTOR, PICKUP SITE AND DISPOSAL SITE, THE ESTIMATED QUANTITY OF THE ASBESTOS WASTE AND TYPE OF CONTAINER AND THE DISPOSAL SITE OPERATOR, AS THE RESPONSIBILITY FOR THE MATERIAL CHANGES HANDS. IF A SEPARATE HAULER IS EMPLOYED, HIS NAME, ADDRESS, TELEPHONE NUMBER, AND SIGNATURE MUST ALSO APPEAR ON THE FORM. EACH COPY OF THE WASTE MANIFEST IS TO BE SIGNED BY ALL PERSONS INVOLVED IN THE CHAIN OF CUSTODY OF THE ASBESTOS WASTE.

3. MEASUREMENT AND PAYMENT: THE ASBESTOS CEMENT PIPE SHALL BE REMOVED, TRANSPORTED, AND DISPOSED OF BY AN AUTHORIZED AND REGISTERED AGENCY. IF THE CONTRACTOR IS NOT AUTHORIZED TO HANDLE ASBESTOS CEMENT PIPE, HE/SHE SHALL MAKE ARRANGEMENTS WITH AN AUTHORIZED AND REGISTERED AGENCY FOR HANDLING ASBESTOS CEMENT PIPE. THE PAYMENT FOR REMOVAL, TRANSPORTATION, AND DISPOSAL SHALL BE MADE ON A UNIT PRICE PER LINEAR FOOT.

RELEVANT NEW MEXICO REGULATIONS AND OFFICE:
NEW MEXICO SOLID WASTE MANAGEMENT REGULATIONS
TITLE 20-CHAPTER 9-PART 1
WEBSITE ADDRESS – www.nmenv.state.nm.us

M.R.G.C.D. GENERAL NOTES

1. ANY WORK TO BE PERFORMED WITHIN THE MIDDLE RIO GRANDE CONSERVANCY DISTRICT (DISTRICT) RIGHTS-OF-WAY SHALL BE CLOSELY COORDINATED WITH THE DISTRICT'S ENGINEERING DEPARTMENT AT 247-0234.

2. NO WORK IS TO BE DONE ON FACILITIES OR STRUCTURES BELONGING TO, OR OPERATED BY, THE DISTRICT BETWEEN MARCH 1 AND OCTOBER 31, INCLUSIVE. HOWEVER, WORK MAY BE PERMITTED BY THE DISTRICT IF IT CAN BE SHOWN THAT THE WORK WILL NOT INTERFERE WITH OPERATIONS OF THE DISTRICT'S FACILITIES. ALL WORK TO BE DONE WITHIN THE DISTRICT'S FACILITIES MUST BE APPROVED BY THE DISTRICT ENGINEER PRIOR TO COMMENCING WORK.

3. THE CONTRACTOR SHALL NOT STORE EQUIPMENT, NEW MATERIALS OR DEBRIS WITHIN DISTRICT RIGHTS-OF-WAY WHICH MAY INTERFERE WITH OPERATIONS AND MAINTENANCE OF THE DISTRICT'S FACILITY.

4. THE CONTRACTOR SHALL NOT SERVICE VEHICLES OR EQUIPMENT WITHIN DISTRICT RIGHTS-OF-WAY.

5. DELETED.

6. DELETED.

7. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING AND/OR REPLACEMENT OF DAMAGED STRUCTURE/STRUCTURES WITHIN DISTRICT RIGHTS-OF-WAY THAT MAY OCCUR DUE TO THE CONTRACTOR'S ACTIVITIES.

8. ALL DAMAGED CULVERT CROSSINGS MUST BE RESTORED AND/OR REPLACED TO THE SATISFACTION OF THE DISTRICT.

9. ALL SALVAGEABLE CULVERTS, IRRIGATION GATES, ETC. MUST BE RETURNED TO THE DISTRICT.

10. THE CONTRACTOR IS RESPONSIBLE FOR EXECUTING A "SPECIAL USE LICENSE AGREEMENT" WITH THE DISTRICT PRIOR TO COMMENCING CONSTRUCTION.

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK INSPECTED BY SNIDER MILLER 3/09 DATE
INSPECTOR'S FIELD NOTES BY B.C.P.W.D. 3/09 DATE
VERIFICATION BY B.C.P.W.D. 3/09 DATE
CORRECTIONS BY P.B. 6/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM. 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 11/7/07

NO.	DATE	REMARKS	BY
1	04/09	DELETED UTILITY NOTE NO. 19.	VRV

DESIGN
DESIGNED BY DATE
DRAWN BY DATE
CHECKED BY DATE

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
GENERAL NOTES

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	1-10

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PROJECT REQUIREMENTS LISTED IN APPROVED ENVIRONMENTAL ASSESSMENT

1. THE NMDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION (2005 INTERIM EDITION, SECTIONS 104, 107, AND 603) INCLUDE MITIGATION REQUIREMENTS FOR THE ISSUES LISTED BELOW. THESE SPECIFICATIONS ARE COMMITMENTS THAT WILL BE IMPLEMENTED DURING PROJECT DESIGN AND CONSTRUCTION

   A. THE IMPLEMENTATION OF A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH NPDES REGULATIONS;
   B. THE REQUIREMENT TO STOP WORK IN THE EVENT OF AN ENVIRONMENTAL OR CULTURAL RESOURCE DISCOVERY AND NOTIFICATION OF COUNTY PERSONNEL;
   C. THE IMPLEMENTATION OF AIR QUALITY AND DUST CONTROL ABATEMENT MEASURES DURING CONSTRUCTION;
   D. THE IMPLEMENTATION OF NOISE ABATEMENT MEASURES FOR CONSTRUCTION EQUIPMENT;
   E. THE REPORTING AND CLEANUP OF ANY HAZARDOUS MATERIALS, SUCH AS CONTAMINATED SOILS OR LANDFILL WASTE, WITHIN THE CONSTRUCTION AREA; AND
   F. MINIMIZATION OF SOIL DISTURBANCE AND EROSION CONTROL AND REVEGETATION REQUIREMENTS

2. REASONABLE ACCESS TO DRIVEWAYS AND SIDE STREETS SERVING EXISTING RESIDENCES, BUSINESSES, AND OTHER PUBLIC AND PRIVATE PROPERTIES WILL BE DEVELOPED IN COLLABORATION WITH AFFECTED PROPERTY OWNERS AND PROVIDED DURING CONSTRUCTION.

3. BERNALILLO COUNTY WILL COORDINATE WITH UTILITY OWNERS AFFECTED BY PROJECT CONSTRUCTION. COORDINATION WILL COMMENCE DURING THE DESIGN PHASE AND WILL CONTINUE THROUGHOUT THE CONSTRUCTION PHASE(S) OF THE PROJECT. IF CONSTRUCTION OF THE PROJECT RESULTS IN DISRUPTION OF SERVICES, UTILITY CUSTOMERS WILL BE NOTIFIED IN ADVANCE OF THE TIME AND DURATION OF THE DISRUPTION.

4. BERNALILLO COUNTY WILL COORDINATE WITH THE GLORIETA SPUR ASSOCIATION REGARDING THE RECONSTRUCTION AND/OR REPLACEMENT OF THE EXISTING RAILROAD CROSSING. BERNALILLO COUNTY WILL NOTIFY THE GLORIETA SPUR ASSOCIATION OF ANY CLOSURES OF THE RAILROAD CROSSING AT LEAST THREE WEEKS IN ADVANCE.

5. BERNALILLO COUNTY WILL COORDINATE WITH THE BNSF RAILROAD REGARDING THE RELOCATION AND/OR REPLACEMENT OF THE EXISTING RAILROAD SIGNAL AND GATE SYSTEMS.

6. ANY RIGHT-OF-WAY REQUIRED FOR THE PROJECT WILL BE ACQUIRED IN ACCORDANCE WITH THE POLICIES OF THE UNIFORM RELOCATION ASSISTANCE AND REAL PROPERTY ACQUISITION ACT AS AMENDED AND OTHER APPLICABLE FEDERAL AND STATE LAWS

7. BERNALILLO COUNTY WILL WORK WITH PROPERTY OWNERS TO DEVELOP A WORKABLE GATE ACCESS SOLUTION FOR EACH AFFECTED PROPERTY.

8. IMPACTS TO BIRD SPECIES PROTECTED BY THE MIGRATORY BIRD TREATY ACT HAVE NOT BEEN IDENTIFIED. IF UNFORESEEN IMPACTS ARE IDENTIFIED AS THE PROJECT PROGRESSES INTO FINAL DESIGN AND CONSTRUCTION, BERNALILLO COUNTY WILL COORDINATE WITH THE US FISH & WILDLIFE SERVICE TO IDENTIFY AND IMPLEMENT REASONABLE AND PRACTICABLE MEASURES TO AVOID AND/OR MINIMIZE IMPACTS.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ACS 1 3/4" Aluminum disk,	stamped "ACS BM, 9-F15",
epoxied to top of concrete drop inlet,	ENE quadrant of Montano Rd. & Edith Blvd. NE,
centered on said drop inlet.	NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION

CONTRACTOR	A.S. HORNER
WORK STAKED BY	SNYDER MILLER 7/09 DATE
INSPECTORS FIELD CHANGES BY	B.PWD 7/09 DATE
VERIFICATION BY REMARKS	B.PWD 7/09 DATE
CORRECTED BY	P.B. 9/09 DATE

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

ENGINEER'S SEAL

JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
ENVIRONMENTAL COMMITMENTS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	1-11

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EXISTING SYMBOL LEGEND

Ⓢ	SEWER MANHOLE	—W—	WATERLINE
Ⓢ	ASBUILT SEWER MANHOLE NOT FOUND	---W---	ASBUILT WATERLINE
Ⓣ	TELEPHONE MANHOLE	—SAS—	SEWER LINE
⋈	WATER VALVE	---SAS---	ASBUILT SEWER LINE
Ⓦ	WATER VAULT	—GAS—	GAS LINE
□	WATER METER	---GAS---	ASBUILT GAS LINE
GM	GAS METER	—UGF—	UNDERGROUND TRAFFIC LINE
	CLEANOUT	—FO—	FIBER OPTIC LINE
	FIRE HYDRANT	—TV—	TELEVISION LINE
SCB	SPRINKLER CONTROL BOX	—X—	CHAIN LINK FENCE
EM	ELECTRIC METER	—o—	WOOD FENCE
TV	TV PEDESTAL		GATE
←	GUY WIRE		SIGN
☼	LIGHT POLE	CONC.	CONCRETE
SLB	SIGNAL LIGHT JUNCTION BOX	MH	MANHOLE
•	BOLLARD	BIT.	BITUMINOUS
	TELEPHONE PEDESTAL		CONTROL POINT
RR	RAIL ROAD CROSSING		BUILDING
—UGT—	UNDERGROUND TELEPHONE LINE		ROOF OVERHANG
---UGT---	ASBUILT UNDERGROUND TELE LINE	MB	MAILBOX
—OHT—	OVERHEAD TELEPHONE LINE	GV	GAS VALVE
—UGE—	UNDERGROUND ELECTRIC LINE	GM	GAS METER
---UGE---	ASBUILT UNDERGROUND ELECTRIC LINE		TRAFFIC SIGNAL POLE
—OHE—	OVERHEAD ELECTRIC LINE		AREA INLET
●	POWER POLE	Ⓓ	STORM DRAIN MANHOLE
	DROP INLET	Ⓓ	ASBUILT STORM DRAIN MANHOLE NOT FOUND
Ⓤ	UNKNOWN MANHOLE	Ⓔ	ELECTRIC MANHOLE
UV	UNKNOWN VALVE	E	ELECTRIC BOX
°	UTILITY POTHOLE		EDGE OF PAVEMENT

EXISTING SYMBOL LEGEND

←	GUY WIRE	☼	LIGHT POLE
		°	POWER POLE
	PROPANE TANK		GATE
•	BOLLARD		TWO POST SIGN
°	LOCATED OBJECT		ONE POST SIGN
.	POST		SHRUB
MB	MAILBOX		TREE
	FIRE HYDRANT		PICTURE CENTER
□	WATER METER		CURB INLET
	FLAG POLE		AREA INLET

ABBREVIATIONS

GV = GATE VALVE
HW = HEAVYWEIGHT
VB = VALVE BOX
F.S. = FAR SIDE
N.S. = NEAR SIDE

RECORD DRAWING

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STARTED BY SNIDER MILLER DATE
INSPECTION BY BC PWD DATE
FIELD CHECK BY BC PWD DATE
VERIFICATION BY BC PWD DATE
MARKUPS CORRECTED BY P.B. DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCHMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 4/1/07

REMARKS
NO. DATE BY

DESIGN
DESIGNED BY DATE
DRAWN BY DATE
CHECKED BY DATE

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
LEGEND AND ABBREVIATIONS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	1-12

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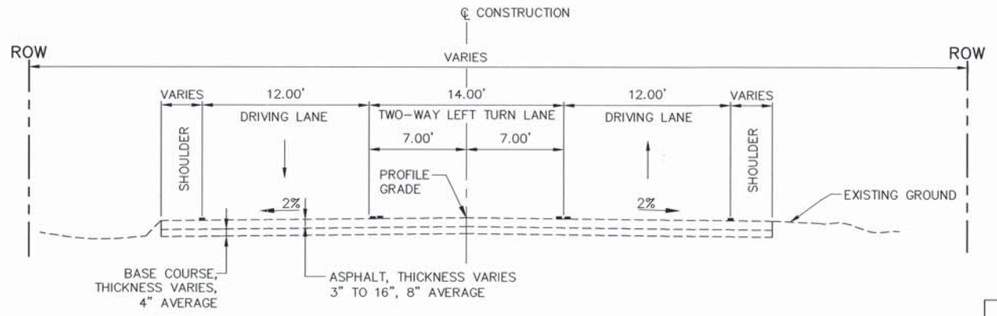
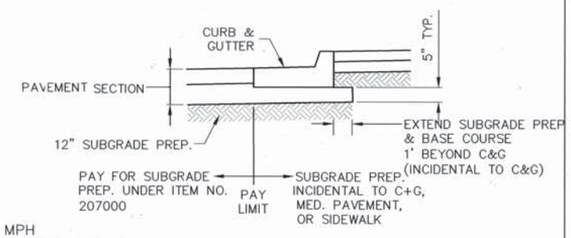


EDITH BLVD. EXISTING ROADWAY SECTION



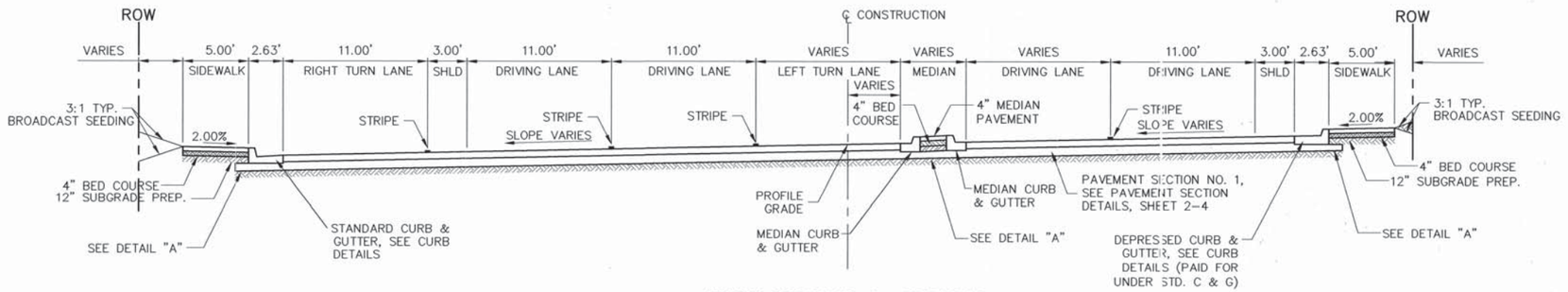
DETAIL "A"
NO SCALE

DESIGN SPEED 45 MPH

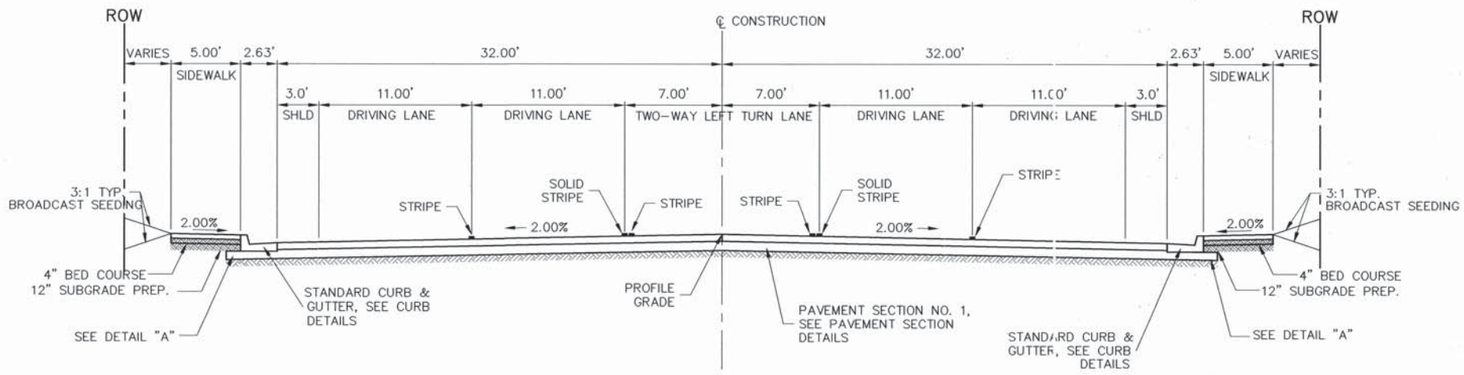
AVERAGE DAILY TRAFFIC (2005) 12,853
AVERAGE DAILY TRAFFIC (2006) 16,400
% HEAVY COMMERCIAL (2005) ACTUAL 11.34%
ESAL 3,743,496 (2025)

GRAPHIC SCALE

5 0 2.5 5 10
(IN FEET)
1 inch = 5 ft.



TYPICAL SECTION NO. 1 – EDITH BLVD
CANDELARIA ROAD INTERSECTION
STA. 11+58.44 TO STA. 14+06.40
STA. 14+06.40 TO 16+60.00 TRANSITION TO TYP. SECTION 2



TYPICAL SECTION NO. 2 – EDITH BLVD
NORMAL CROWN SECTION
STA. 16+60.00 TO STA. 21+00.00
STA. 74+00.00 TO STA. 81+88.00
STA. 21+00.00 TO 23+50.00 TRANSITION TO TYP. SECTION 3

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM. 9-F15", spoiled to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.	
NGVD 29 Elev. = 4984.00'	

AS BUILT INFORMATION

CONTRACTOR	A.S. HORNER
WORK STAKED BY	SOUDER MILLER '08 DATE
INSPECTION & FIELD CHANGES BY	BCPWD 1/09 DATE
VERIFICATION BY	BCPWD 1/09 DATE
ENGINEERING CORRECTED BY	P.B. 5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY	
DATE	
NO.	

ENGINEER'S SEAL
JAMES H. BLACKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
9/7/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY TWTK	DATE 08/01/07
		DRAWN BY TWTK	DATE 08/01/07
		CHECKED BY DCM	DATE 08/01/07

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TYPICAL SECTIONS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	2-1

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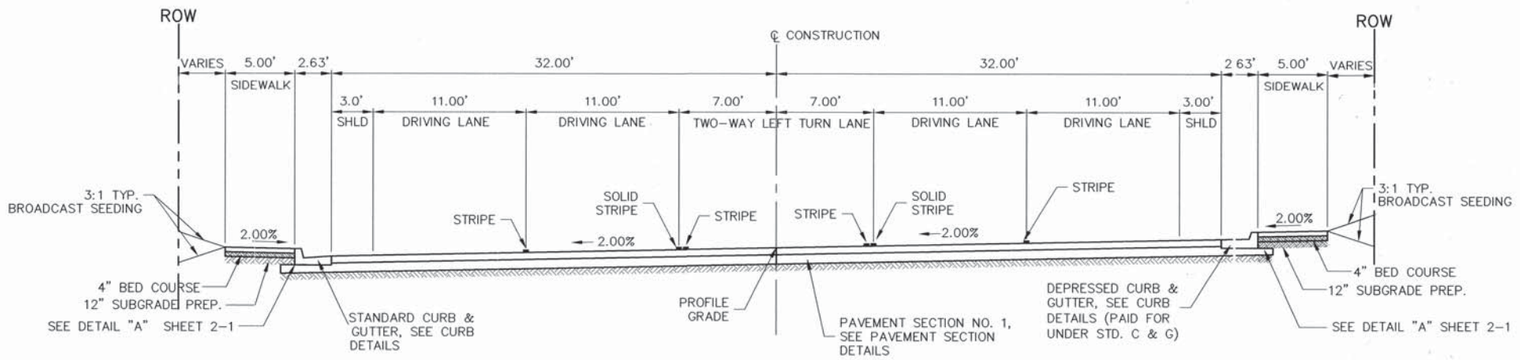
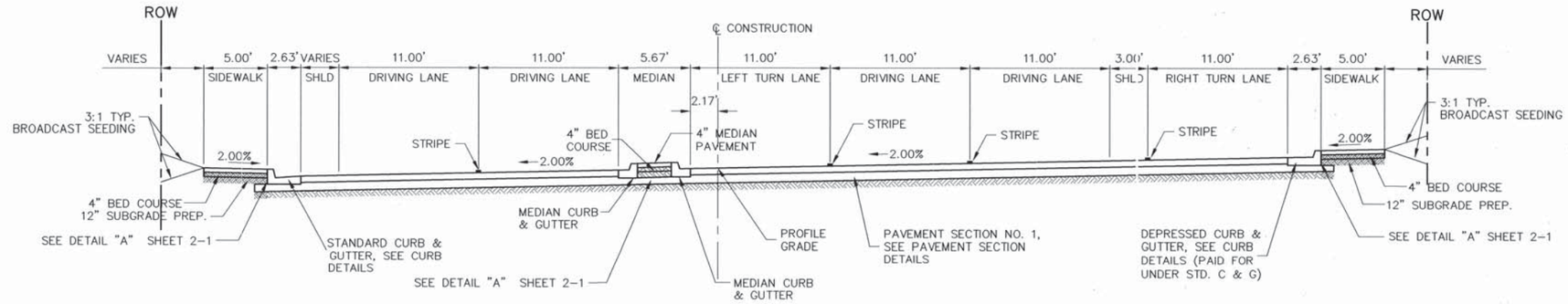


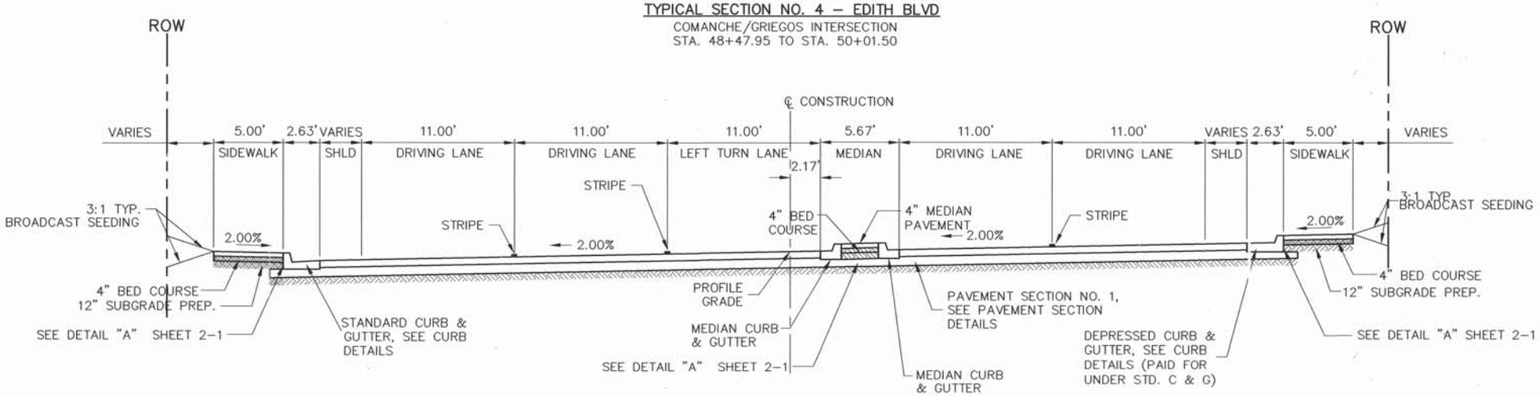
TYPICAL SECTION NO. 3 – EDITH BLVD

2% CROSS SLOPE SECTION
STA. 23+50.00 TO STA. 48+47.95
STA. 54+89.30 TO STA. 60+34.15
STA. 62+58.00 TO STA. 71+50.00
STA. 71+50.00 TO 74+00.00 TRANSITION TO TYP. SECT. 2



TYPICAL SECTION NO. 4 – EDITH BLVD

COMANCHE/GRIEGOS INTERSECTION
STA. 48+47.95 TO STA. 50+01.50



TYPICAL SECTION NO. 5 – EDITH BLVD

COMANCHE/GRIEGOS INTERSECTION
STA. 53+09.72 TO STA. 54+89.30

GRAPHIC SCALE

5 0 2.5 5 10
(IN FEET)
1 inch = 5 ft.

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER DATE
WORK STAKED BY SNYDER MILLER 7/08 DATE
INSPECTOR'S FIELD CHANGES BY BCPWD 1/09 DATE
VERIFICATION BY BCPWD 1/09 DATE
FINAL CORRECTED BY P.B. 5/09 DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES M. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO. DATE REMARKS BY
DESIGNED BY DESIGN DATE
DRAWN BY DATE
CHECKED BY DATE

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TYPICAL SECTIONS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	2-2

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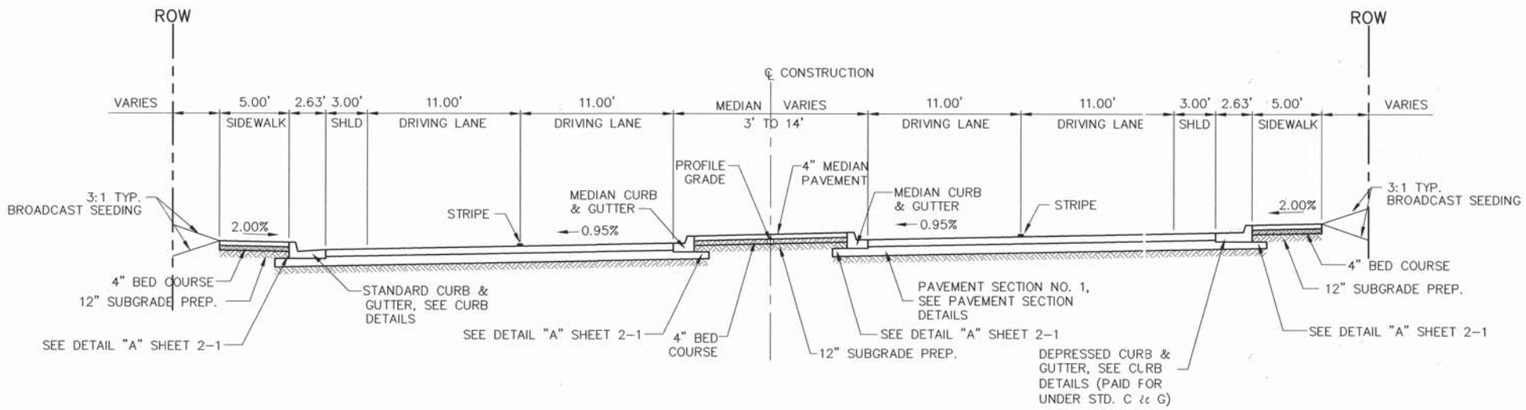
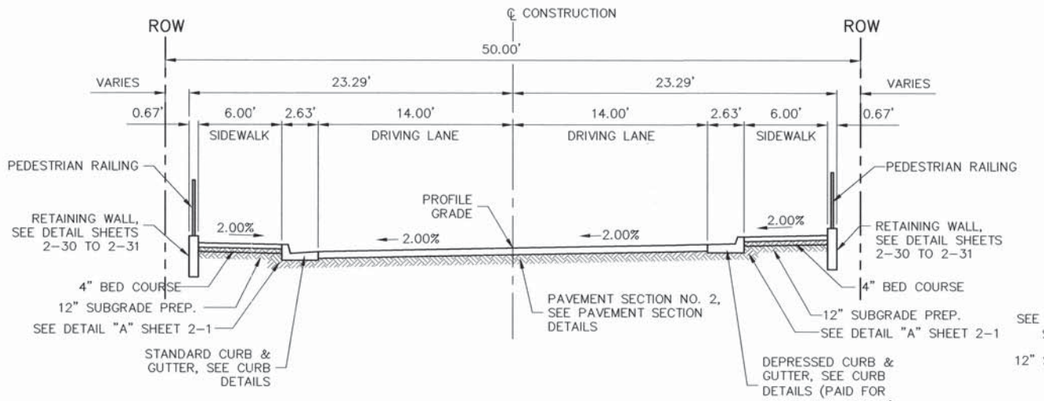
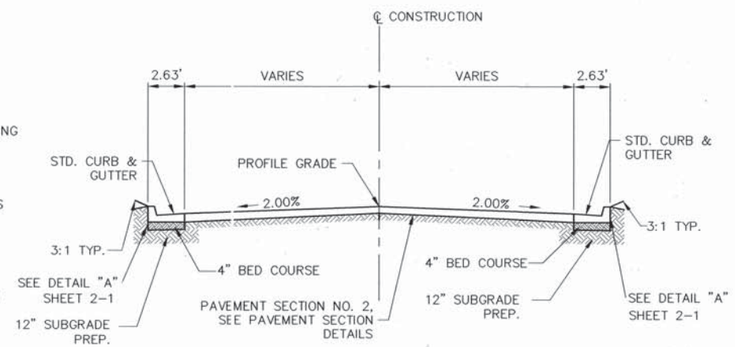


TYPICAL SECTION NO. 6 – EDITH BLVD
RAILROAD SPUR CROSSING
STA. 60+34.15 TO STA. 62+09.52
STA. 62+09.52 TO 62+58.00 TRANSITION TO TYPICAL SECTION 3



TYPICAL SECTION NO. 7 – TAHOE DRIVE
STA. 1+12.38 TO STA. 2+67.51



TYPICAL SECTION NO. 8 – SIDE STREETS

GRAPHIC SCALE
5 0 2.5 5 10
(IN FEET)
1 inch = 5 ft.

RECORD DRAWING

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
STAKED BY SANDER MILLER 3/08 DATE
INSPECTORS
FIELD BOOK(S) BC PWD 3/09 DATE
FIELD BOOK(S) B&PWD 1/09 DATE
VERIFICATION BY P.B. 5/09 DATE
CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

REMARKS BY DATE
DESIGN
DESIGNED BY
DRAWN BY
CHECKED BY

NO. DATE

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TYPICAL SECTIONS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	2-3

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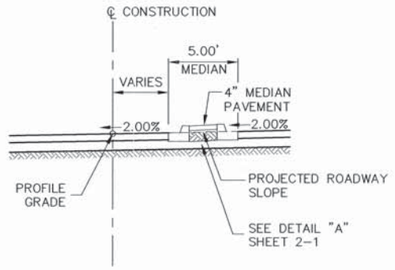
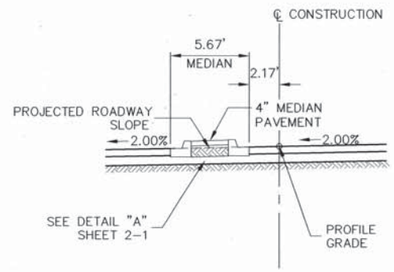
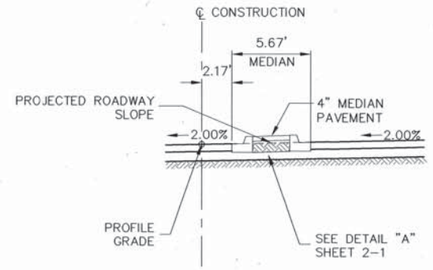


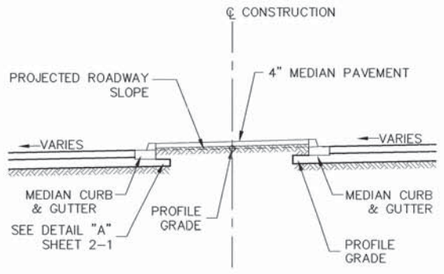
LEFT TURN LANE DETAIL NO. 1
CANDELARIA ROAD INTERSECTION



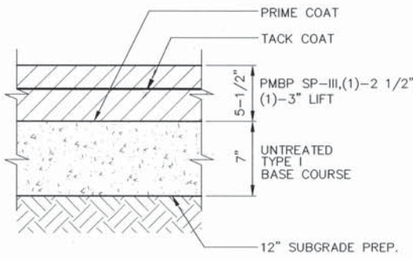
LEFT TURN LANE DETAIL NO. 2
COMANCHE ROAD INTERSECTION (SOUTHERN)



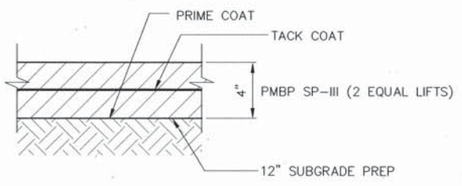
LEFT TURN LANE DETAIL NO. 3
COMANCHE ROAD INTERSECTION (NORTHERN)



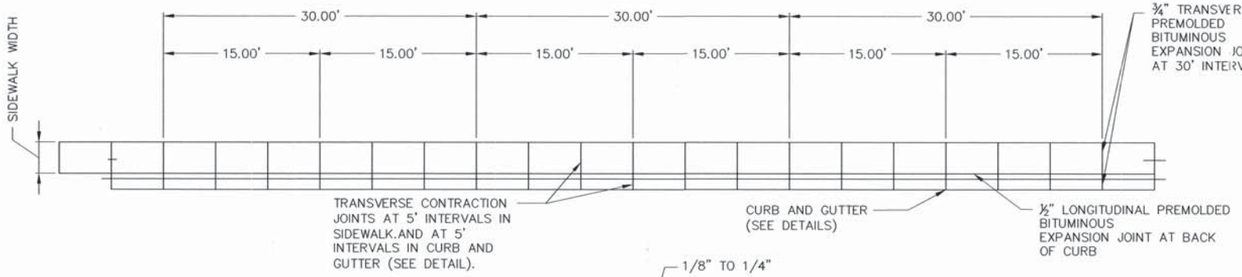
TYPICAL MEDIAN DETAIL
RAILROAD SPUR CROSSING

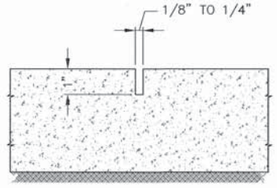


PAVEMENT SECTION NO. 1



PAVEMENT SECTION NO. 2





TRANSVERSE CONTRACTION JOINT
NTS

SIDEWALK NOTES

1. WORKMANSHIP AND MATERIALS SHALL CONFORM TO NEW MEXICO STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS.

2. CONCRETE SHALL BE STRUCTURAL CONCRETE CLASS "A"

3. END OF DAYS POUR, 30 MINUTE INTERRUPTIONS, COLD JOINTS AND DROP INLETS SHALL DETERMINE THE LOCATION OF A CONSTRUCTION JOINT AND A 3/4" PREMOLDED BITUMINOUS JOINT IS REQUIRED.

4. PLACE TRANSVERSE CONTRACTION JOINTS AT 5' INTERVALS AND AT THE END OF RADIUS POINTS OR ISLAND NOSES.

5. MATERIAL ON WHICH SIDEWALK IS TO BE PLACED SHALL BE COMPACTED TO 95% OF MINIMUM DENSITY AS DETERMINED BY AASHTO T99, METHOD C.

6. EXCAVATION AND PREMOLDED BITUMINOUS EXPANSION JOINTS TO BE INCLUDED IN THE UNIT PRICE BID FOR SIDEWALKS.

GRAPHIC SCALE
0 1 2.5 5 10
(IN FEET)
1 inch = 5 ft.

AS BUILT INFORMATION
CONTRACTOR A.S. HORVER
WORK STAKED BY SOUDER, MILLER '08 DATE
INSPECTION & MAINTENANCE BY BCPWD 1/09 DATE
FIELD VERIFICATION BY BCPWD 1/09 DATE
DRAWING CORRECTED BY P.B. 5/09 DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JAMES H. BIGGMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	DATE
		DESIGNED BY	
		DRAWN BY	DATE
		CHECKED BY	DATE

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TYPICAL SECTIONS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	2-4

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	STATION	to	STATION	LENGTH FEET	207000 SUBGRADE PREPARATION AVG WIDTH (ft)	207000 SUBGRADE PREPARATION SQ. YDS.	304170 UNTREATED BASE COURSE 7" TYPE I AVG WIDTH(ft)	304170 DEPTH INCHES	304170 SQ. YDS.	422250 PLANT MIX BITUMINOUS PAVEMENT (PMBP) SP III (5.5") AVG WIDTH(ft)	422250 DEPTH INCHES	422250 SQ. YDS.	422251 PLANT MIX BITUMINOUS PAVEMENT (PMBP) SP III (4") AVG WIDTH(ft)	422251 DEPTH INCHES	422251 SQ. YDS.	* PG 76-28 BITUM MAT. TONS	* HYDR. LIME TONS	407000** BITUMINOUS MATERIAL FOR TACK COAT AVG WIDTH(ft)	407000** SQ. YDS.	407000** TONS	408100** PRIME COAT MATERIAL AVG WIDTH(ft)	408100** SQ. YDS.	408100** TONS
EDITH BLVD.																								
EDITH BLVD.	11+30.45		12+00.47	70.02	0.00	670.00	86.12	7.00	670.00	86.12	5.50	670.01				11.26	3.07	86.12	1,340.03	0.45	86.12	670.01	1.26
EDITH BLVD.	12+00.47		13+83.71	183.24	72.00	1,465.92	72.00	7.00	1,465.92	72.00	5.50	1,465.92				24.64	6.72	72.00	2,931.84	0.98	72.00	1,465.92	2.75
EDITH BLVD.	13+83.71		16+04.90	221.19	68.00	1,671.21	68.00	7.00	1,671.21	68.00	5.50	1,671.21				28.09	7.66	68.00	3,342.43	1.11	68.00	1,671.21	3.13
EDITH BLVD.	16+04.90		46+99.00	3,094.10	64.00	22,002.49	64.00	7.00	22,002.49	64.00	5.50	22,002.49				369.76	100.84	64.00	44,004.98	14.67	64.00	22,002.49	41.25
EDITH BLVD.	46+99.00		47+85.81	86.81	70.41	679.14	70.41	7.00	679.14	70.41	5.50	679.14				11.41	3.11	70.41	1,358.29	0.45	70.41	679.14	1.27
EDITH BLVD.	47+85.81		48+45.12	59.31	76.83	506.31	76.83	7.00	506.31	76.83	5.50	506.31				8.51	2.32	76.83	1,012.62	0.34	76.83	506.31	0.95
EDITH BLVD.	48+45.12		50+01.50	156.38	71.16	1,236.44	71.16	7.00	1,236.44	71.16	5.50	1,236.44				20.78	5.67	71.16	2,472.89	0.82	71.16	1,236.44	2.32
EDITH BLVD.	53+09.72		81+88.00	2,878.28	64.00	20,467.77	64.00	7.00	20,467.77	64.00	5.50	20,467.77				343.97	93.81	64.00	40,935.54	13.65	64.00	20,467.77	38.38
SIDE STREETS																								
MARTINEZ LANE	10+38.14		11+50.00	111.86	28.00	348.01							28.00	4.00	348.01	4.25	1.16	28.00	348.01	0.12	28.00	348.01	0.65
HEADINGLY ST./2ND ST.	10+48.00		12+08.00	160.00	VARIES	383.00	VARIES	7.00	383.00	VARIES	5.50	383.00				6.44	1.76	VARIES	383.00	0.13	VARIES	383.00	0.72
HEADINGLY ST.	12+08.00		20+48.95	840.95	28.50	2,663.01							28.50	4.00	2,663.01	32.55	8.88	28.50	2,663.01	0.89	28.50	2,663.01	4.99
INDUSTRIAL AVENUE (EAST)	10+32.12		11+70.00	137.88	36.00	551.52							36.00	4.00	551.52	6.74	1.84	36.00	551.52	0.18	36.00	551.52	1.03
INDUSTRIAL AVENUE (EAST)	11+70.00		12+25.00	55.00	34.00	207.78							34.00	4.00	207.78	2.54	0.69	34.00	207.78	0.07	34.00	207.78	0.39
INDUSTRIAL AVENUE (EAST)	12+25.00		13+06.70	81.70	24.00	217.87							24.00	4.00	217.87	2.66	0.73	24.00	217.87	0.07	24.00	217.87	0.41
INDUSTRIAL AVENUE (EAST)	13+06.70		16+46.70	340.00	12.00	453.33							24.00	4.00	906.67	11.08	3.02	24.00	906.67	0.30	24.00	906.67	1.70
INDUSTRIAL AVENUE (WEST)	-0+20.00		9+20.00	940.00	36.00	3,760.00							36.00	4.00	3,760.00	45.96	12.53	36.00	3,760.00	1.25	36.00	3,760.00	7.05
RANKIN ROAD	10+32.03		11+40.00	107.97	24.00	287.92							24.00	4.00	287.92	3.52	0.96	24.00	287.92	0.10	24.00	287.92	0.54
CARMONY LANE	10+32.00		10+69.01	37.01	36.00	148.04							36.00	4.00	148.04	1.81	0.49	36.00	148.04	0.05	36.00	148.04	0.28
NIKANDA ROAD	10+31.46		11+20.00	88.54	36.00	354.16							36.00	4.00	354.16	4.33	1.18	36.00	354.16	0.12	36.00	354.16	0.66
RUTHERFORD LANE	9+00.00		9+62.00	62.00	24.00	165.33							24.00	4.00	165.33	2.02	0.55	24.00	165.33	0.06	24.00	165.33	0.31
TAHOE DRIVE	1+12.00		1+39.27	27.27	55.25	167.41							55.25	4.00	167.41	2.05	0.56	55.25	167.41	0.06	55.25	167.41	0.31
TAHOE DRIVE	1+39.27		2+67.52	128.25	28.00	399.00							28.00	4.00	399.00	4.88	1.33	28.00	399.00	0.13	28.00	399.00	0.75
TAHOE PLACE				VARIES	VARIES	42.44							VARIES	4.00	42.44	0.52	0.14	VARIES	42.44	0.01	VARIES	42.44	0.08
TOTAL						58,848.10			49,082.29			49,082.30			10,219.15	949.76	259.02			36.00			111.19
USE						58,900.00			49,100.00			49,100.00			10,300.00	950.00	260.00			37.00			112.00

1. AMOUNTS OF BITUMINOUS MATERIAL SHOWN ARE FOR ESTIMATING PURPOSES ONLY. CORRECT AMOUNTS WILL BE DETERMINED BY THE MATERIAL AND TESTING LABORATORY.
2. *HYDRATED LIME AND P.G. 76-22 BITUMINOUS MATERIAL QUANTITIES FOR SP III PMBP COMPLETE ARE SHOWN FOR INFORMATION OF THE CONTRACTOR ONLY. THESE ITEMS ARE INCIDENTAL TO PMBP SP III COMPLETE.
3. ** FOR ESTIMATING PURPOSES ONLY. APPLICATION RATE SHALL BE DETERMINED BY THE P.M.
4. BASE COURSE MAY BE SUBSTITUTED FOR BED COURSE UNDER CURB & GUTTER, AND THE COST SHALL BE INCLUDED IN THE COST OF CURB & GUTTER.

ESTIMATED SURFACING FACTORS

ITEM	UNIT WEIGHT LBS./YD^3	76-28 P.G. BITUMINOUS MATERIAL, % MATERIAL BY WT. OF TOTAL MIX	HYDRATED LIME % BY WT. OF TOTAL MIX	SPEC. 407 GAL/YD^2	SPEC. 408 GAL/YD^2	GAL/TON
PLANT MIX BITUMINOUS PAVEMENT (PMBP) SP III COMPLETE	***4000	***5.5	***1.5%			
ASPHALT FOR TACK COAT				**0.08		**2-0.00
ASPHALT FOR PRIME COAT					**0.45	**2-0.00

NOTES:
***FOR ESTIMATING PURPOSES ONLY, ACTUAL WEIGHTS OR PERCENT SHALL BE DETERMINED BY APPROVED MIX DESIGN.

AS BUILT INFORMATION
CONTRACTOR A. S. HORNER
WORK STAKED BY SNYDER MILLER 7/30 DATE
INSPECTORS AGREEMENT BY BCPWD 7/07 DATE
VERIFICATION BY BCPWD 7/07 DATE
CORRECTED BY P.B. 8/07 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCHMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY JB	DATE 8/1/07
		DRAWN BY RJ	DATE 8/1/07
		CHECKED BY NA	DATE 8/1/07

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
SURFACING SCHEDULE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 2-5

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STANDARD AND DEPRESSED CURB & GUTTER

ITEM NO. 609500

BEGIN STATION	END STATION	LOCATION	ALIGNMENT	LIN. FT	DESCRIPTION
11+65	33+90	LT	EDITH	1737	
34+30	50+02	LT	EDITH	1239	
53+10	72+91	LT	EDITH	1329	
73+18	81+50	LT	EDITH	602	
11+20	18+50	RT	EDITH	540	
18+82	31+14	RT	EDITH	1123	
31+55	37+02	RT	EDITH	467	
37+30	51+21	RT	EDITH	1114	
53+10	58+21	RT	EDITH	451	
59+33	70+83	RT	EDITH	832	
71+23	81+26	RT	EDITH	782	
83+95	84+46	RT	EDITH	108	
1+13	1+39	LT	TAHOE	179	
1+14	1+39	RT	TAHOE	178	
TOTAL				10681	
USE				10700	

REMOVAL OF SURFACING

ITEM NO. 601110

BEGIN STATION	SQ. YD.	DESCRIPTION
EDITH BLVD. SOUTH OF COMANCHE	21560	
EDITH BLVD. NORTH OF COMANCHE	15080	
HEADINGLY ST.	2840	
INDUSTRIAL EAST	1524	
INDUSTRIAL WEST	3803	
TOTAL	44807	
USE	44850	

NOTE: ASSUMED AVERAGE THICKNESS = 8"

CONCRETE VALLEY GUTTER

ITEM NO. 609600

BEGIN STATION	END STATION	LOCATION	ALIGNMENT	SQ. YD.	DESCRIPTION
2+40	2+67	LT/RT	TAHOE	78	
13+21	13+67	RT	EDITH	18	
18+25	19+17	RT	EDITH	97	
23+12	23+57	RT	EDITH	17	
24+39	25+09	RT	EDITH	28	
30+83	32+00	RT	EDITH	115	
33+54	34+65	LT	EDITH	123	
36+65	37+69	RT	EDITH	113	
45+45	46+55	RT	EDITH	43	
58+21	59+33	RT	EDITH	100	
70+48	71+56	RT	EDITH	99	
72+57	73+61	LT	EDITH	130	
TOTAL				962	
USE				965	

NOTE: INCLUDES CONCRETE FILLETS FOR CURB RETURNS

MEDIAN CURB & GUTTER

ITEM NO. 609400

BEGIN STATION	END STATION	LOCATION	ALIGNMENT	LIN. FT	DESCRIPTION
11+57	14+08	RT	EDITH	506	
23+23.18	23+23.90	RT	EDITH	24	
23+45.18	23+45.35	RT	EDITH	22	
48+46	50+02	LT	EDITH	313	
53+10	54+91	RT	EDITH	365	
60+28	61+20	LT/RT	EDITH	199	
61+41	62+10	LT/RT	EDITH	192	
TOTAL				1621	
USE				1630	

SIDEWALK 4"

ITEM NO. 608004

BEGIN STATION	END STATION	LOCATION	ALIGNMENT	WIDTH, TYP., FT.*	SQ. YD.	DESCRIPTION
11+20	18+42	RT	EDITH	5.0	281	
19+00	31+02	RT	EDITH	5.0	560	
31+81	36+98	RT	EDITH	5.0	261	
37+51	51+17	RT	EDITH	5.0	623	
53+10	58+57	RT	EDITH	5.0	282	
58+98	70+67	RT	EDITH	5.0	494	
71+39	81+58	RT	EDITH	5.0	408	
83+95	84+44	RT	EDITH	5.0	44	
11+63	33+73	LT	EDITH	5.0	997	
34+46	50+08	LT	EDITH	5.0	708	
53+09	72+77	LT	EDITH	5.0	750	
73+43	81+50	LT	EDITH	5.0	354	
1+14	2+65	LT	TAHOE	6.0	118	
1+14	2+65	RT	TAHOE	6.0	114	
TOTAL					5994	
USE					6000	

* NOTE: FOR CONTRACTOR INFORMATION ONLY. SEE PLANS FOR SIDEWALK LAYOUTS.

CONCRETE MEDIAN PAVEMENT 4"

ITEM NO. 608404

BEGIN STATION	END STATION	LOCATION	ALIGNMENT	SQ.YDS.	DESCRIPTION
11+58	14+07	RT	EDITH	56	
48+46	50+02	LT	EDITH	46	
53+10	54+91	RT	EDITH	54	
60+28	61+20	LT/RT	EDITH	108	
61+41	61+63.00	RT	EDITH	14	
84+24.00	84+44.00	RT	EDITH	8	
TOTAL				286	
USE				290	

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY Souder Miller DATE
INSPECTORS ACCEPTANCE BY BCPWD 1/07 DATE
VERIFICATION BY BCPWD 1/07 DATE
CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCHMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY	JB
		DRAWN BY	RJ
		CHECKED BY	NA

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

MISCELLANEOUS QUANTITIES

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 2-6

G:\33588_Edith\04 Engineering\Plans\Section 2\MSQ.dwg 8/3/2007 9:30:47 AM MDT

RECESS GATES AND RELOCATE FENCES*

EDITH BLVD. ADDRESS	EDITH BLVD. DRIVEWAY CL STA.	EDITH BLVD. FROM STA.	OFFSET		EDITH BLVD. TO STA.	OFFSET		RECESS GATE	ADJUST GATE/FENCE TO GRADE ***	ITEM NO. 607XX1 TEMPORARY FENCE** LIN. FT.	607024 CHAIN LINK FENCE 4' LIN. FT.	607025 CHAIN LINK FENCE 5' LIN. FT.	607026 CHAIN LINK FENCE 6' LIN. FT.	607046 CHAIN LINK FENCE SECURITY, 6' LIN. FT.	607048 CHAIN LINK FENCE SECURITY, 8' LIN. FT.	607XX2 WOOD PRIVACY FENCE LIN. FT.	607410 CHAIN LINK GATE, 10' SPAN X 6' OR 8' RISE EACH	607414 CHAIN LINK GATE, 14' SPAN X 6' RISE EACH	607XX3 CHAIN LINK GATE, 9' SPAN X 5' RISE EACH	607479 CHAIN LINK GATE, 9' SPAN X 6' RISE EACH	607495 CHAIN LINK GATE, 12' SPAN X 5' RISE EACH	607496 CHAIN LINK GATE, 12' SPAN X 6' RISE EACH	607502 CHAIN LINK GATE, 15' SPAN X 6' RISE EACH	607XX4 CHAIN LINK GATE, 18' SPAN X 4' RISE EACH	607XX5 CHAIN LINK SLIDE GATE, 20' SPAN X 6' RISE EACH	REMARKS
3101	15+43	15+22	52	LT	15+63	43	LT	X	X	50			50									2				
3811	16+20 & 17+35	15+99	47	LT	17+72	55	LT			190				141												2	
3820/3822	20+63 & 20+98	20+47	43	RT	21+20	50	RT	X	X	100		100									4						
3819	21+35	21+25	54	LT	21+90	40	LT	X	X	80		80											1				BUILD FENCE AT BACK OF SIDEWALK
4000	21+91	21+76	60	RT	22+01	43	RT	DELETED	X	60				40							2						
4000	23+34.00								X	20			20								2						RELOCATE GATE 8' TO EAST
4001	24+22±	21+92	52	LT	28+43	43	LT		X	720			720				2										
4001	26+50.00							X	X									2									
4000	27+48.00	27+26	43	RT	27+70	43	RT	X	X	400					60		2										RAZOR WIRE TO MATCH EXISTING
4300	39+65	39+33	43	RT	39+90	43	RT	X	X	60						60	2										
4404		44+46.71	43	RT					X																		INCIDENTAL TO FENCE/GATE ITEMS
4600	N/A	61+61	121	RT	61+11	138	RT		X	30				30													DELETED SCOPE
503 CARMONY	60+03.00	59+10	69	RT	60+33	43	RT	X	X	170				170			2										
5001	61+75.00	61+53	43	LT	62+52	43	LT		X	60				60												1	
5001	62+30.00								X																	1	
5003	62+85	62+52	43	LT	63+35	43	LT		X	70				70												1	
5045	65+64	65+52	42	LT	65+83	43	LT		X	40				40											1		
5109	N/A	69+38	230	LT	69+52	139	LT			110				110													BUILD FENCE AS DIRECTED BY P.M. CONNECT TO EXISTING GATE POST
5109	72+06	71+59	51	LT	72+33	58	LT		X	100				100												1	
5150	69+75.00	69+45	43	RT	70+05	43	RT		X	60				40												1	RAZOR WIRE
5215	75+27.00	74+98	43	LT	75+58	43	LT	X	X	80			80													1	RAZOR WIRE
5320	77+45.00	77+28	43	RT	77+66	43	RT	X	X	60	60														1		
5319	77+94.00	77+72	43	LT	78+16	43	LT	X	X	60		60								2							
5324/5400	78+55.00	78+05	43	RT	78+90	43	RT		X																		ADJUST EXISTING GATES TO GRADE
5319	79+40.00	79+18	43	LT	79+62	43	LT	X	X	60		60								2							
SUBTOTAL										2580	60	300	870	801	60	60	8	2	4	8	1	2	1	1	8	
USE										2600	60	300	870	810	60	60	8	2	4	8	1	2	1	1	8	

NOTE:
* FENCE AND GATE DIMENSIONS ARE APPROXIMATE AND SHALL BE DETERMINED IN COORDINATION WITH THE P.M. IN THE FIELD PRIOR TO ORDERING MATERIALS.
COST OF FENCES AND GATES SHALL INCLUDE ALL MATERIALS AND WORK NEEDED TO PROVIDE NEW FENCING AND GATES EQUAL TO OR BETTER THAN ORIGINAL.
** TEMPORARY FENCE SHALL BE INSTALLED BEFORE EXISTING FENCE IS REMOVED TO SAME HEIGHT AS ORIGINAL.
*** FOR MINOR GRADE CHANGES, EXISTING GATES MAY BE ADJUSTED IN PLACE AS DIRECTED BY THE P.M. (INCIDENTAL TO CONSTRUCTION)

EARTHWORK

STATION TO STATION	UNCLASSIFIED EXCAVATION NMDOT ITEM NO. 203000*	SUBEXCAVATION NMDOT ITEM NO. 203200	EMBANKMENT	25% SHRINK	NET (- BORROW / + WASTE)
	(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu. yd.)	(cu. yd.)
EDITH BLVD.					
11+30.45 TO 81+88	16850		726	182	15943
EDITH BLVD. SUBEXCAVATION					
53+09 TO 67+50		8622	8622	2156	-2156
SIDE STREETS	610		15	4	591
TAHOE DRIVE	8		440	110	-542
DRIVEWAYS	2538		2322	581	-365
POND 1	53203		426	107	52671
POND 1 CHANNEL	2568		1042	261	1266
PROJECT TOTAL	75777	8622	13593	3398	67408
USE	76000	9000			

NOTE:
* UNCLASSIFIED EXCAVATION QUANTITY DOES NOT INCLUDE EXISTING PAVEMENT TO BE REMOVED. 8" THICK AVERAGE EXISTING PAVEMENT WAS ASSUMED. PAYMENT WILL BE BASED ON ACTUAL QUANTITIES MEASURED IN THE FIELD.

STRUCTURAL CONCRETE, CLASS A-4"

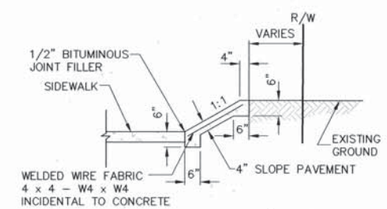
ITEM NO. 511200

BEGIN STATION	END STATION	LENGTH (FT)	(AVERAGE WIDTH)	AREA (SQ. YD.)
22+00.00	23+12.00	112.00	1.60	28
28+50.00	29+90.00	140.00	2.40	53
60+24.00	61+28.00	104.00	2.20	36
TOTAL				117
USE				120

CLEARING & GRUBBING

ITEM NO. 201XX1

BEGIN STATION	ACRES	DESCRIPTION
EDITH BLVD. & SIDE STREETS	7.4	
INDUSTRIAL AVE./RR TRACKS	0.2	
DETENTION POND NO. 1	10.0	
TOTAL	17.6	
USE	19.0	



SLOPE PAVING SECTION

RECORD DRAWING

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STARTED BY SAUER MILLER 7/06 DATE
INSPECTORS FIELD OPERATIONS BY B.C.P.W.D. 7/09 DATE
VERIFICATION BY B.C.P.W.D. 7/09 DATE
CORRECTED BY P.B. 3/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM. 9–F15", epoxied to top of concrete drop inlet. ENE quadrant of Montano Rd. & Edith Blvd. NE., centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCHMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	04/09	DELETED GATE AT STA. 61+33 DELETED RETAINING WALL FROM PLAN	VRV

DESIGN
DESIGNED BY JB DATE 8/1/06
DRAWN BY RJ DATE 8/1/06
CHECKED BY NA DATE 8/2/06

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
MISCELLANEOUS QUANTITIES

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 2-7

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CURB RAMPS INCLUDED IN AND PAID FOR UNDER ITEM NO. 608004				
STATION	LOCATION		TYPE	WIDTH, FT.
EDITH BLVD.				
11+72.39	50.67	LT	B	12
13+03.17	48.66	RT	C	5
13+71.33	45.83	RT	C	5
18+47.09	43.71	RT	B	5
18+97.04	41.90	RT	B	5
24+43.93	36.81	RT	C	5
24+98.23	36.81	RT	C	5
30+97.91	37.13	RT	C	5
31+85.24	37.12	RT	C	5
33+78.60	43.69	LT	B	5
34+39.22	44.82	LT	B	5
36+92.64	45.69	RT	B	5
37+43.00	44.58	RT	B	5
45+55.47	36.81	RT	C	5
46+45.02	36.81	RT	C	5
50+90.94	63.81	RT	B	5
58+54.22	53.80	RT	B	5
59+00.69	54.88	RT	B	5
70+73.57	44.63	RT	B	5
71+34.13	43.87	RT	B	5
72+71.55	37.06	LT	C	5
73+39.88	36.99	LT	C	5
84+51.38	37.62	RT	C	5
TAHOE DR.				
1+23.40	21.68	RT	B	10
1+21.86	22.56	LT	B	10
2+44.30	16.24	RT	B	5
2+43.60	16.24	LT	B	5

NOTE:
1.) HEADER CURB AND DETECTABLE WARNING SURFACE PER NM PAD-001 ARE INCIDENTAL TO CURB RAMPS.
2.) STATION AND OFFSET ARE GIVEN AT THE FLOWLINE OF CURB CENTERLINE OF RAMP

ITEM NO. 617000 VIBRATION MONITORING	
ADDRESS	**REMARKS**
501 CANDELARIA	MULTIPLE STRUCTURES
3700 EDITH	MULTIPLE STRUCTURES
3712 EDITH	MULTIPLE STRUCTURES
3808 EDITH	
3812 EDITH	
3816 EDITH	
3822 EDITH	
3819 EDITH	
4000 EDITH	MONITORING LIMITED TO STRUCTURES & WALLS WITHIN 150' OF EDITH R/W
4100 EDITH	
4115 EDITH	
4150 EDITH	
4121 EDITH	
4129 EDITH	
4100 EDITH	
4220 EDITH	
4200 EDITH	
4208 EDITH	MULTIPLE STRUCTURES
4300 EDITH	
4404 EDITH	
4019 EDITH	MULTIPLE STRUCTURES
100 INDUSTRIAL	
101 INDUSTRIAL	
110 INDUSTRIAL	
119 INDUSTRIAL	
116 INDUSTRIAL	
301 INDUSTRIAL	
305 INDUSTRIAL	
307 INDUSTRIAL	
309 INDUSTRIAL	
315/319 INDUSTRIAL	
325 INDUSTRIAL	
302 INDUSTRIAL	
312 INDUSTRIAL	
314 INDUSTRIAL	
316 INDUSTRIAL	
324 INDUSTRIAL	
207 GRIEGOS	
5001 EDITH	
5047 EDITH	
5109 EDITH	
5205 EDITH	
5224 EDITH	
5235 EDITH	
5302 EDITH	MULTIPLE STRUCTURES & WALLS
5319 EDITH	MULTIPLE STRUCTURES
5321 EDITH	
5450 EDITH	
415 TAHOE PL.	
417 TAHOE PL.	
143 HEADINGLY	
139 HEADINGLY	
109 HEADINGLY	
148 HEADINGLY	
122 HEADINGLY	
118 HEADINGLY	
116 HEADINGLY	
114 HEADINGLY	
112 HEADINGLY	
108, 110 HEADINGLY	
104 HEADINGLY	MULTIPLE STRUCTURES & WALLS
100 HEADINGLY	

MAILBOX RELOCATIONS					
STATION	LOCATION		ITEM NO. 667110 MAIL BOX INSTALLATION-SINGLE EACH	ITEM NO. 667120 MAIL BOX INSTALLATION-DOUBLE EACH	ITEM NO. 667130 MAIL BOX INSTALLATION-MULTIPLE EACH
(EXISTING)					
EDITH BLVD.					
20+47.80	40	RT	1		
20+70.65	29	RT	1		
20+73.59	29	RT	1		
21+23.42	40	LT	1		
21+32.32	41	RT	1		
38+00.46	36	RT			3
38+84.73	41	RT			3
57+34.05	30	LT	1		
57+35.81	30	LT	1		
64+61.90	36	RT		1	
68+15	50	RT	1		
74+61.62	43	LT	1		
77+73.98	42	RT	1		
77+83.93	42	LT	1		
78+20.62	41	RT	1		
78+27.43	41	RT	1		
78+96.07	42	RT	1		
79+26.77	42	LT	1		
80+73.81	41	LT	1		
80+77.94	41	LT	1		
80+77.94	41	LT	1		
19+00.06	42	RT	1		
44+45.04	36	RT	1		
65+54.77	42	LT	1		
66+94	56	RT			3
73+78.03	63	LT	1		
75+20.01	43	RT	1		
76+46.33	42	LT	1		
76+72.41	42	RT		1	
77+24.90	44	RT	1		
TOTAL			25	2	9
USE			25	2	9

NOTE: THE CONTRACTOR SHALL COORDINATE NEW MAILBOX LOCATIONS AND DELIVERY DURING CONSTRUCTION WITH THE POST OFFICE AND THE PROPERTY OWNER (INCIDENTAL TO CONSTRUCTION).

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNYDER MILLER 3/06 DATE
INSPECTION ACCEPTANCE BY BCPWD 1/07 DATE
VERIFICATION BY BCPWD 1/07 DATE
CORRECTED BY P.B. 3/07 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
JAMES H. BUCHMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/1/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY JB	DATE 8/1/06
		DRAWN BY RJ	DATE 8/1/06
		CHECKED BY NA	DATE 8/2/06

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
MISCELLANEOUS QUANTITIES

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVE AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVE NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 2-8

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REMOVALS

STATION	LOCATION		TO STATION	LOCATION		QUANTITY	UNIT	TYPE	REMARKS
EDITH BLVD.									
NB CANDELARIA APPROACH				46	RT	1	EACH	SIGN	
11+38	38	RT				1	EACH	SIGN	ON SIGNAL MASTARM
11+50	34	LT	18+59.39	57	LT	660	LIN. FT.	STORM DRAIN	10" OR 12"
11+42.16	15	RT	13+59.17	4	RT	440	LIN. FT.	CURB & GUTTER	IN MEDIAN
11+48.94	15	RT				1	EACH	SIGNAL POLE	
11+59	48	RT	13+61.73	29	RT	210	LIN. FT.	CURB & GUTTER	
11+62.64	93	LT	14+07.27	19	LT	250	LIN. FT.	CURB & GUTTER	
11+63.16	67	LT				1	EACH	LIGHT POLE	
11+81.71	54	LT				1	EACH	LIGHT POLE	
11+81.71	54	LT				4	EACH	BOLLARD	
11+88.29	13	RT				1	EACH	LIGHT POLE	
13+62.29	4	RT				1	EACH	SIGN	
14+44.47	44	LT				1	EACH	BILLBOARD	
15+22	52	LT	15+63	43	LT	41	LIN. FT.	FENCE	
15+98.64	47	LT	17+71.52	55	LT	180	LIN. FT.	FENCE	
16+41.87	38	LT	17+28.42	43	LT		N/A	CONC. PARKING BUMPERS	
18+02.17	30	LT				1	EACH	MANHOLE	STORM DRAIN
18+56.90	46	RT				1	EACH	SIGN	CONC. FOUNDATION
18+82.95	30	RT				1	EACH	SIGN	
18+88	36	LT				1	EACH	CONC. WALL	
18+96	58	RT	19+06	43	RT	24	LIN. FT.	FENCE	
19+09.36	43	LT				16	LIN. FT.	CURB & GUTTER	
19+30.29	44	LT				16	LIN. FT.	CURB & GUTTER	
20+02.46	29	RT				1	EACH	CONC. FOOTING	
20+45.98	42	RT				1	SQ. YDS.	LANDSCAPING	PART OF PLANTER
20+47	43	RT	21+20	50	RT	73	LIN. FT.	FENCE	
20+47.80	40	RT				1	EACH	MAILBOX	
20+65.28	41	LT				9	LIN. FT.	CURB & GUTTER	
20+70.65	29	RT				1	EACH	MAILBOX	
20+73.59	29	RT				1	EACH	MAILBOX	
21+00.70	42	LT				7	LIN. FT.	CURB & GUTTER	
21+21.94	41	LT	29+84.05	43	LT	870	LIN. FT.	FENCE	
21+23.42	40	LT				1	EACH	MAILBOX	
21+32.32	41	RT				1	EACH	MAILBOX	
23+24.04	38	RT				28	LIN. FT.	CURB & GUTTER	
23+45.34	38	RT				28	LIN. FT.	CURB & GUTTER	
24+78	102	RT					EACH	HEADWALL & (3)-8"X60' PVC	
25+72.88	1330	LT	28+44	43	LT	1680	LIN. FT.	FENCE	
26+33.45	0	RT				134	LIN. FT.	STORM DRAIN	18" RCP
27+26	43	RT	27+70	43	RT	44	LIN. FT.	FENCE	
30+14.22	33	LT				1	EACH	SIGN	
30+34.10	21	RT				1	EACH	SIGN	
30+75.97	43	LT	31+16.34	43	LT	50	LIN. FT.	CURB & GUTTER	
31+00.60	49	RT				1	EACH	SIGN	
31+01.39	40	RT				1	EACH	SIGN	
31+74.33	29	RT				1	EACH	SIGN	
32+00.28	43	RT				1	EACH	ABANDONED SEPTIC TANK	LOCATION UNKNOWN
33+52	44	LT	33+82	52	LT	34	LIN. FT.	CURB & GUTTER	
33+52.95	36	RT				1	EACH	ABANDONED SEPTIC TANK	LOCATION UNKNOWN
33+69.95	41	LT				4	EACH	BOLLARD	
33+69.95	41	LT				1	EACH	CONC. SLAB	
33+76.22	44	LT				1	EACH	SIGN	
34+26.37	42	RT	36+22.24	42	RT	200	LIN. FT.	RR TIES	
34+53.73	40	RT				1	EACH	IRRIGATION SYSTEM	
36+07	39	LT				1	EACH	SIGN	
36+07.64	0	RT				86	LIN. FT.	STORM DRAIN	28" DIA.
36+40.81	17	RT				1	EACH	CONC. FOOTING	
36+75	30	RT					EACH	LANDSCAPE TIMBERS	
36+93.04	80	RT				1	EACH	BOLLARD	
36+96.82	76	RT				1	EACH	BOLLARD	
37+42.10	36	RT				1	EACH	SIGN	
37+51	39	RT				1	EACH	BOLLARD	
38+00.46	36	RT				1	EACH	MAILBOX	
38+84.73	41	RT				1	EACH	MAILBOX	
39+11.12	35	LT				1	EACH	SIGN	
39+14.08	38	LT	39+44.60	43	LT	40	LIN. FT.	CURB & GUTTER	
39+33	43	RT	39+90	43	RT	57	LIN. FT.	FENCE	
39+87.74	43	LT	40+05.56	43	LT	18	LIN. FT.	CURB & GUTTER	
40+31	44	RT				8	LIN. FT.	FENCE	
40+31	44	RT					EACH	PLANTER	
40+75.26	43	LT				1	EACH	SIGN	
44+46	36	RT				5	LIN. FT.	FENCE	
45+94.94	40	LT				1	EACH	BOLLARD	
45+98.67	44	LT				1	EACH	BOLLARD	
46+00.41	46	LT				1	EACH	SIGN	
46+33.01	24	RT				1	EACH	SIGN	
46+38	47	RT				5	SQ. YDS.	LANDSCAPING, 60 L.F. HEADER CURB	DO NOT DAMAGE SOLID WASTE SIGN
46+54.26	43	LT				1	EACH	BOLLARD	
46+57.39	39	LT				1	EACH	BOLLARD	
47+26.19	39	LT				1	EACH	SIGN	
47+26.70	38	LT				1	EACH	BOLLARD	
47+29.23	42	LT				1	EACH	BOLLARD	
47+38.05	13	RT				1	EACH	SIGN	
47+90.66	41	LT				1	EACH	SIGN	
47+91.60	44	LT				1	EACH	BOLLARD	
47+93.06	39	LT				1	EACH	BOLLARD	
48+39.45	39	LT				1	EACH	SIGN	
49+99.48	32	RT	51+22.89	157	RT	130	LIN. FT.	CURB & GUTTER	
49+94	34	LT				1	EACH	ASPHALT/CURB	
50+01.50	5	LT				6	LIN. FT.	CURB & GUTTER	
50+05	35	RT	51+17	157	RT	130	SQ. YDS.	SIDEWALK/MEDIAN PAVEMENT	
51+01	121	RT	51+11	138	RT	30	LIN. FT.	FENCE	
53+10	5	RT				6	LIN. FT.	CURB & GUTTER	

REMOVALS

STATION	LOCATION		TO STATION	LOCATION		QUANTITY	UNIT	TYPE	REMARKS
53+61.67	37	LT				1	EACH	SIGN	
57+34.05	30	LT				1	EACH	MAILBOX	
57+35.81	30	LT				1	EACH	MAILBOX	
58+00.57	78	RT	58+32.16	76	RT	170	SQ. YDS.	CONC. CHANNEL LINING	
58+08	41	RT	58+32	45	RT	30	LIN. FT.	GUARDRAIL	
59+05.26	29	RT				1	EACH	SIGN	
59+09.77	65	RT	60+33	43	RT	170	LIN. FT.	FENCE	
61+53	43	LT	62+52	43	LT	60	LIN. FT.	FENCE	
61+80.75	46	RT				5	LIN. FT.	CURB & GUTTER	
62+15.19	45	RT				6	LIN. FT.	CURB & GUTTER	
62+52	43	LT	63+35	43	LT	70	LIN. FT.	FENCE	
64+19	40	LT					EACH	MISC. CONCRETE	
64+43.68	41	LT				1	EACH	SIGN	
64+47.61	41	LT				1	EACH	SIGN	
64+52.26	40	LT				1	EACH	SIGN	
64+61.90	36	RT				2	EACH	MAILBOX	
64+63	43	LT	64+82	43	LT	19	LIN. FT.	RR TIES	
65+18	42	LT	65+52	42	LT	36	LIN. FT.	RR TIES	
65+31.21	41	LT				1	EACH	SIGN	
65+49.79	41	RT				1	EACH	SIGN	
65+52	42	LT	65+83	43	LT	40	LIN. FT.	FENCE	
65+64	42	LT				1	EACH	CONC. FOOTING	
66+20.84	33	RT				1	EACH	SIGN	
66+28.17	35	LT				1	EACH	SIGN	
66+34	42	LT	66+45	42	LT	11	LIN. FT.	FENCE	
67+42.90	38	RT				1	EACH	SIGN	
67+64.32	42	LT	67+80.77	42	LT	20	LIN. FT.	FENCE	
68+11.28	29	RT				1	EACH	SIGN	
68+15	50	RT				1	EACH	MAILBOX	
68+22.48	44	RT				1	EACH	UTILITY POLE	
68+24.43	39	LT				1	EACH	BILLBOARD	
69+12	12	LT	69+12	20	RT	1	EACH	(3)-6' X 7' CONCRETE BOX CULVERTS	
69+15	29	LT				1	EACH	LARGE CONCRETE JUNCTION BOX & (3)-CULVERTS	
69+38	230	LT	69+52	139	LT	110	LIN. FT.	FENCE	
69+41.39	29	RT				1	EACH	SIGN	
69+45	43	RT	70+05	43	RT	60	LIN. FT.	FENCE	
70+60.65	30	RT				1	EACH	SIGN	
71+32.49	41	RT				1	EACH	SIGN	
71+59	51	LT	72+33	58	LT	100	LIN. FT.	FENCE	
71+74.14	29	RT				1	EACH	SIGN	
72+70.03	0	RT				30	LIN. FT.	CULVERT	71" X 47" CMPA
72+77.11	95	RT				110	SQ. YDS.	CONC. CHANNEL LINING	
72+79.38	25	LT				1	EACH	SIGN	
73+10.77	30	RT				1	EACH	SIGN	
73+14.38	45	RT				4	EACH	BOLLARD	
74+22.91	30	RT				1	EACH	SIGN	
74+61.62	43	LT				1	EACH	MAILBOX	
74+80.75	53	RT				1	EACH	SIGN	
74+98	43	LT	75+58	43	LT	80	LIN. FT.	FENCE	
75+57.74	31	RT				1	EACH	SIGN	
77+28	43	RT	77+66	43	RT	60	LIN. FT.	FENCE	
77+72	43	LT	78+16	43	LT	60	LIN. FT.	FENCE	
77+73.98	42	RT				1	EACH	MAILBOX	
77+83.93	42	LT				1	EACH	MAILBOX	
78+20.62	41	RT				1	EACH	MAILBOX	
78+27.43	41	RT				1	EACH	MAILBOX	
78+53	43	RT				1	EACH	BARRELS AND TIRES	
78+81	42	RT				1	EACH	BARRELS AND TIRES	
78+96.07	42	RT				1	EACH	MAILBOX	
79+18	43	LT	79+62	43	LT	60	LIN. FT.	FENCE	
79+26.77	42	LT				1	EACH	MAILBOX	
80+73.81	41	LT				1	EACH	MAILBOX	
80+77.94	41	LT				1	EACH	MAILBOX	
80+77.94	41	LT				1	EACH	MAILBOX	
81+47	34	LT				3	LIN. FT.	CURB & GUTTER	
81+65	34	RT				3	LIN. FT.	CURB & GUTTER	
82+23	40	LT				1	EACH	SIGN	
84+22	84	RT				1	EACH	SIGN	
84+27	40	LT				1	EACH	SIGN	
84+57	63	RT				1	EACH	SIGN	
HEADINGLY AVE.									
11+80	1	RT	14+42	9	RT	262	LIN. FT.	STORM DRAIN	

SUMMARY OF REMOVALS

1365	FT	CURB & GUTTER	23		BOLLARDS
1172	FT	STORM DRAIN/CULVERT	1		(3)-6' X 7' CONCRETE BOX CULVERTS
			1	SQ. YDS.	LANDSCAPING
5		SIG./LIGHT/UTIL. POLES	2		ABANDONED SEPTIC TANKS
45		SIGNS	255	FT	RR TIES
2		BILLBOARDS	1		IRRIGATION SYSTEM
3913	FT	FENCE	3		CONC. FOOTING
130	SQ. YDS.	SW/MEDIAN PAVEMENT	280	SQ. YDS.	CONC. CHANNEL LINING
1		MANHOLE	30	FT	GUARDRAIL
22		MAILBOXES			

NOTE:

1.) TREE, BUSH, AND BRUSH REMOVALS SHALL BE INCLUDED IN THE COST OF ITEM NO. 201XX1, CLEARING AND GRUBBING, AND NO ADDITIONAL MEASUREMENT OR PAYMENT SHALL BE MADE.

2.) SEE UTILITY PLANS AND SUMMARY OF QUANTITIES FOR ADDITIONAL UTILITY REMOVALS TO BE PAID FOR SEPARATELY.

AS BUILT INFORMATION
CONTRACTOR A.S. HARNER
WORK COMPLETED DATE
STAKED BY SOUDERMILLER 7/08 DATE
INSPECTOR'S INITIALS BJPWD 7/09 DATE
FIELD VERIFICATION BJPWD 5/09 DATE
DRAWINGS CORRECTED BY P.B. DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN, NEW MEXICO, 13062, REGISTERED PROFESSIONAL ENGINEER, 8/17/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY	JB
		DRAWN BY	RJ
		CHECKED BY	NA
		DATE	8/1/06
		DATE	8/1/06
		DATE	8/2/06

RECORD DRAWING

PB Parsons 100 Brinckerhoff

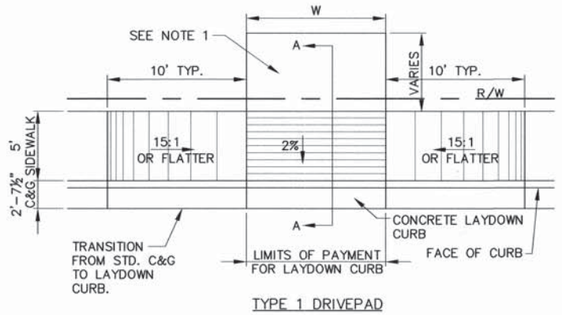
COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
MISCELLANEOUS QUANTITIES

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

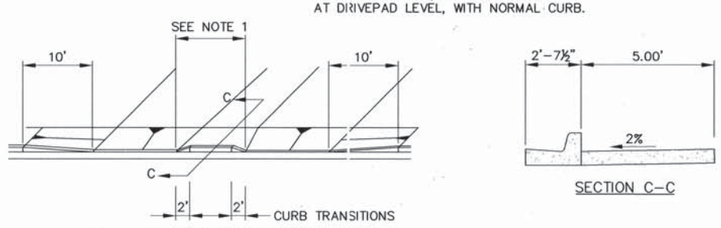
City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	2-9

G:\33588_Edith\04 Engineering\Plans\Section 2\MSQ02-REMOVALS.dwg 8/17/2007 10:46:41 AM MDT



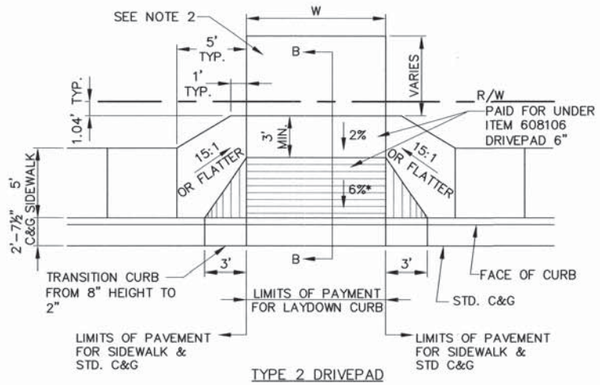
TYPE 1 DRIVEPAD

NOTE 1:
IF THE DISTANCE FROM DRIVEWAY TO ADJACENT DRIVEWAY OR ADA RAMP IS LESS THAN 20', BUILD SIDEWALK AT DRIVEPAD LEVEL, WITH NORMAL CURB.



TYPE 1 DRIVEPAD EXCEPTIONS

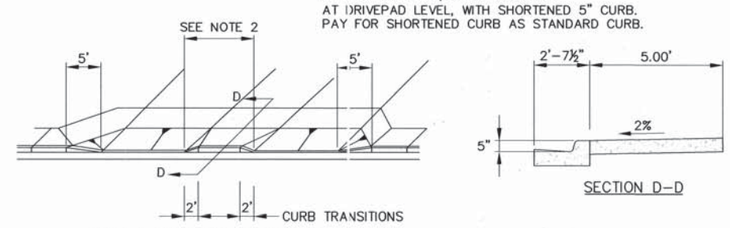
SECTION C–C



TYPE 2 DRIVEPAD

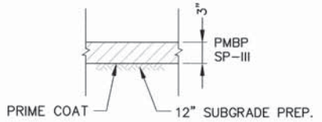
*USE 6% SLOPE EXCEPT WHERE NOTED ON THE DRIVEWAY PROFILES, SECTION 4

NOTE 2:
IF THE DISTANCE FROM DRIVEWAY TO ADJACENT DRIVEWAY OR ADA RAMP IS LESS THAN 20', BUILD SIDEWALK AT DRIVEPAD LEVEL, WITH SHORTENED 5" CURB. PAY FOR SHORTENED CURB AS STANDARD CURB.



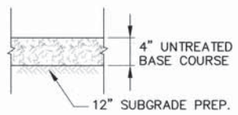
TYPE 2 DRIVEPAD EXCEPTIONS

SECTION D–D

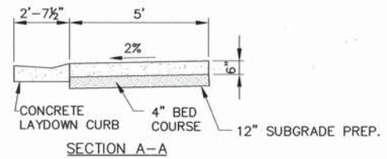


ASPHALT DRIVEWAY PAVEMENT SECTION

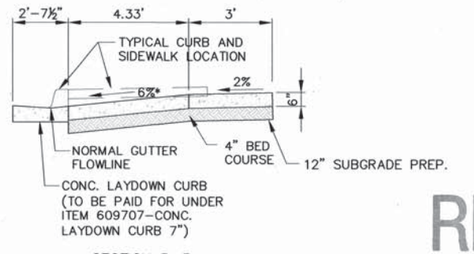
SP–III TO BE PAID FOR UNDER ITEM 416000, MINOR PAVING



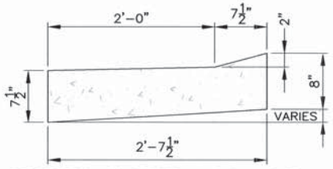
GRAVEL DRIVEWAY PAVEMENT SECTION



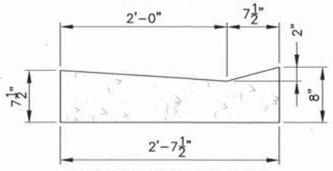
SECTION A–A



SECTION B–B



DEPRESSED CONCRETE LAYDOWN CURB



CONCRETE LAYDOWN CURB

(REFERENCE COA STD. DWG 2415A "GUTTER AT DRIVEPAD" DETAIL)

NOTE: TO BE PAID FOR UNDER ITEM 609707–CONCRETE LAYDOWN CURB 7"

RECORD DRAWING

AS BUILT INFORMATION
CONTRACTOR A.S. HOKMER
WORK STAKED BY SAUDER MILLER 7/09 DATE
INSPECTORS ACCEPTANCE BY BCPWD 1/09 DATE
VERIFICATION BY BCPWD 1/09 DATE
CORRECTED BY PB 1/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
JAMES H. BUCHMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 7/17/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY	JB
		DRAWN BY	RJ
		CHECKED BY	NA
		DATE	8/1/07
		DATE	8/1/07
		DATE	8/1/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
DRIVEPAD DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 2–10

G:\33588_Edith\04 Engineering\Plans\Section 2\2MSD.dwg 8/3/2007 9:33:14 AM MDT

DRIVE PAD 6" ITEM NO. 608106							CONCRETE LAYDOWN CURB - 7" ITEM NO. 609707		MINOR PAVING ITEM NO. 416000		SUB-GRADE PREP. ITEM NO. 207000	BASE COURSE 4" ITEM NO. 304140	PRIME COAT MATERIAL ITEM NO. 408100
EDITH BLVD. CL STA	OFFSET		TYPE	WIDTH (FT)	LENGTH (FT)	SQ. YD.	LENGTH (ft.)	TIE SURFACE	TIE LENGTH (ft)	SQ. FT.	SQ. YD.	SQ.YD.	SQ. YD.	TONS
11+70	114.57	LT	MATCH	25.70	6.00	17.13	25.70	GRAVEL	1.00	0.00	0.00	2.86	2.86	0.00
12+60	35.08	LT	2	40.00	7.33	32.58	40.00	GRAVEL	12.40	0.00	0.00	55.11	55.11	0.00
13+39	41.69	RT	TURNOUT	0.00	0.00	0.00	0.00	ASPHALT	25.74	1323.00	147.00	147.00	0.00	0.05
14+50	37.46	RT	2	24.00	7.33	19.55	24.00	ASPHALT	2.52	60.48	6.72	6.72	0.00	0.00
15+43	33.36	LT	1	40.00	5.00	22.22	40.00	ASPHALT	19.21	768.40	85.38	85.38	0.00	0.03
15+43	33.11	RT	2	36.00	7.33	29.32	36.00	GRAVEL	0.00	0.00	0.00	0.00	0.00	0.00
15+80	32.00	RT	2	20.00	7.33	16.29	20.00	ASPHALT	9.20	184.00	20.44	20.44	0.00	0.01
16+20	32.00	LT	2	24.00	7.33	19.55	24.00	ASPHALT	19.83	832.00	92.44	92.44	0.00	0.03
16+66	32.00	RT	2	47.00	7.33	38.28	47.00	ASPHALT	27.32	1284.04	142.67	142.67	0.00	0.05
17+35	32.00	LT	2	30.00	7.33	24.43	30.00	ASPHALT	15.82	804.00	89.33	89.33	0.00	0.03
18+00	32.00	RT	2	24.00	7.33	19.55	24.00	ASPHALT	7.75	186.00	20.67	20.67	0.00	0.01
18+43	32.00	LT	2	24.00	7.33	19.55	24.00	GRAVEL	4.08	0.00	0.00	10.88	10.88	0.00
19+20	32.00	LT	2	30.00	7.33	24.43	30.00	ASPHALT	14.16	424.80	47.20	47.20	0.00	0.02
19+45	32.00	RT	2	18.00	7.33	14.66	18.00	GRAVEL	9.38	0.00	0.00	18.76	18.76	0.00
20+22	32.00	RT	2	36.00	7.33	29.32	36.00	ASPHALT	8.84	318.24	35.36	35.36	0.00	0.01
20+63	32.00	RT	2	16.00	7.33	13.03	16.00	GRAVEL	17.06	0.00	0.00	30.33	30.33	0.00
20+83	32.00	LT	2	40.00	7.33	32.58	40.00	ASPHALT	3.28	131.20	14.58	14.58	0.00	0.00
20+98	32.00	RT	2	18.00	7.33	14.66	18.00	GRAVEL	14.56	0.00	0.00	29.12	29.12	0.00
21+35	32.00	LT	2	18.00	7.33	14.66	18.00	GRAVEL	0.72	0.00	0.00	1.44	1.44	0.00
21+91	32.00	RT	2	18.00	7.33	14.66	18.00	GRAVEL	33.91	0.00	0.00	67.82	67.82	0.00
23+34	32.00	RT	2	20.00	7.33	16.29	20.00	ASPHALT	23.57	471.40	52.38	52.38	0.00	0.02
24+22±	32.00	LT	1	20.00	5.00	11.11	20.00	GRAVEL	26.21	0.00	0.00	58.24	58.24	0.00
24+67	32.00	RT	TURNOUT	0.00	0.00	0.00	0.00	ASPHALT	80.00	3200.00	355.56	355.56	0.00	0.12
26+50	32.00	LT	2	36.00	7.33	29.32	36.00	GRAVEL	47.07	0.00	0.00	188.28	188.28	0.00
27+48	32.00	RT	2	24.00	7.33	19.55	24.00	GRAVEL	2.00	0.00	0.00	5.33	5.33	0.00
27+60	32.00	LT	2	36.00	7.33	29.32	36.00	GRAVEL	35.97	0.00	0.00	143.88	143.88	0.00
30+20	32.00	RT	2	36.00	7.33	29.32	36.00	GRAVEL	18.04	0.00	0.00	72.16	72.16	0.00
30+51	32.00	LT	1	50.00	5.00	27.78	50.00	ASPHALT	3.37	168.50	18.72	18.72	0.00	0.01
31+42	32.00	LT	2	50.00	7.33	40.72	50.00	ASPHALT	1.49	74.50	8.28	8.28	0.00	0.00
32+21	32.00	LT	2	36.00	7.33	29.32	36.00	ASPHALT	1.39	50.04	5.56	5.56	0.00	0.00
32+80	32.00	RT	2	50.00	7.33	40.72	50.00	ASPHALT	16.39	819.50	91.06	91.06	0.00	0.03
32+99	32.00	LT	2	36.00	7.33	29.32	36.00	ASPHALT	7.04	253.44	28.16	28.16	0.00	0.01
33+62	32.00	RT	2	16.00	7.33	13.03	16.00	ASPHALT	11.39	182.24	20.25	20.25	0.00	0.01
34+13	32.00	RT	2	36.00	7.33	29.32	36.00	ASPHALT	22.46	10144.00	1127.11	1127.11	0.00	0.38
34+78	32.00	LT	2	28.00	7.33	22.80	28.00	ASPHALT	2.00	56.00	6.22	6.22	0.00	0.00
35+70	32.00	LT	2	30.00	7.33	24.43	30.00	GRAVEL	8.02	0.00	0.00	26.73	26.73	0.00
36+25	32.00	RT	2	36.00	7.33	29.32	36.00	ASPHALT	26.74	see 34+13	0.00	0.00	0.00	0.00
36+40	32.00	LT	2	36.00	7.33	29.32	36.00	ASPHALT	26.04	937.44	104.16	104.16	0.00	0.03
38+55	32.00	RT	2	36.00	7.33	29.32	36.00	GRAVEL	8.86	0.00	0.00	35.44	35.44	0.00
39+04	32.00	RT	2	24.00	7.33	19.55	24.00	GRAVEL	3.14	0.00	0.00	8.37	8.37	0.00
39+65	32.00	RT	2	30.00	7.33	24.43	30.00	ASPHALT	16.68	500.40	55.60	55.60	0.00	0.02
39+67	32.00	LT	2	36.00	7.33	29.32	36.00	ASPHALT	9.43	339.48	37.72	37.72	0.00	0.01
40+83	32.00	RT	2	32.00	7.33	26.06	32.00	GRAVEL	1.44	0.00	0.00	5.12	5.12	0.00
41+74	32.00	RT	2	36.00	7.33	29.32	36.00	ASPHALT	1.48	53.28	5.92	5.92	0.00	0.00
43+05	32.00	RT	1	36.00	5.00	20.00	36.00	ASPHALT	2.63	94.68	10.52	10.52	0.00	0.00
43+15	32.00	LT	1	36.00	5.00	20.00	36.00	ASPHALT	0.80	28.80	3.20	3.20	0.00	0.00
43+68	32.00	RT	1	24.00	20.98	55.95	24.00	N/A	VARIES	0.00	0.00	37.00	37.00	0.00
44+28	32.00	RT	1	32.00	5.00	17.78	32.00	ASPHALT	5.70	182.40	20.27	20.27	0.00	0.01
46+00	32.00	RT	TURNOUT	0.00	0.00	0.00	0.00	ASPHALT	58.94	3162.00	351.33	351.33	0.00	0.12
46+26	32.00	LT	2	50.00	7.33	40.72	50.00	ASPHALT	4.40	220.00	24.44	24.44	0.00	0.01
47+57	32.00	LT	2	50.00	7.33	40.72	50.00	ASPHALT	9.62	481.00	53.44	53.44	0.00	0.02
49+15	32.00	LT	2	36.00	7.33	29.32	36.00	ASPHALT	5.43	195.48	21.72	21.72	0.00	0.01
51+16	102.63	RT	2	13.00	7.33	10.59	13.00	GRAVEL	4.76	0.00	0.00	6.88	6.88	0.00
						SUBTOTAL=	1260.52	1575.70				3103.42	3907.17	803.76	1.03

DRIVE PAD 6" ITEM NO. 608106							CONCRETE LAYDOWN CURB - 7" ITEM NO. 609707		MINOR PAVING ITEM NO. 416000		SUB-GRADE PREP. ITEM NO. 207000	BASE COURSE 4" ITEM NO. 304140	PRIME ~~TACK~~ COAT NO. 408100
EDITH BLVD. CL STA	OFFSET		TYPE	WIDTH (FT)	LENGTH (FT)	SQ. YD.	LENGTH (ft.)	TIE SURFACE	TIE LENGTH (ft)	SQ. FT.	SQ. YD.	SQ.YD.	SQ. YD.	TONS
55+45	32.00	RT	2	36.00	7.33	29.32	36.00	GRAVEL	5.59	0.00	0.00	22.36	22.36	0.00
55+79	32.00	LT	2	36.00	7.33	29.32	36.00	GRAVEL	3.09	0.00	0.00	12.36	12.36	0.00
56+54	32.00	LT	1	18.00	5.00	10.00	18.00	GRAVEL	2.00	0.00	0.00	4.00	4.00	0.00
57+68	32.00	LT	1	24.00	5.00	13.33	24.00	GRAVEL	6.37	0.00	0.00	16.99	16.99	0.00
57+68	32.00	RT	2	24.00	7.33	19.55	24.00	GRAVEL	5.30	0.00	0.00	14.13	14.13	0.00
58+73	32.00	LT	1	80.00	5.00	44.44	80.00	ASPHALT	1.80	144.00	16.00	16.00	0.00	0.01
59+98	32.00	LT	1	50.00	5.00	27.78	50.00	ASPHALT	3.37	168.50	18.72	18.72	0.00	0.01
60+03	32.00	RT	2	40.00	7.33	32.58	40.00	GRAVEL	21.81	0.00	0.00	96.93	96.93	0.00
60+73	32.00	LT	2	40.00	7.33	32.58	40.00	N/A						
61+75	32.00	LT	1	24.00	5.00	13.33	24.00	GRAVEL	19.66	0.00	0.00	52.43	52.43	0.00
61+98	32.00	RT	2	36.00	7.33	29.32	36.00	ASPHALT	7.23	260.28	28.92	28.92	0.00	0.01
62+30	32.00	LT	1	24.00	5.00	13.33	24.00	GRAVEL	21.00	0.00	0.00	56.00	56.00	0.00
62+85	32.00	LT	1	24.00	5.00	13.33	24.00	GRAVEL	6.53	0.00	0.00	17.41	17.41	0.00
63+48	32.00	LT	2	36.00	7.33	29.32	36.00	ASPHALT	8.13	292.68	32.52	32.52	0.00	0.01
63+97	32.00	LT	2	32.00	7.33	26.06	32.00	GRAVEL	1.06	0.00	0.00	3.77	3.77	0.00
64+21	32.00	RT	1	40.00	5.00	22.22	40.00	ASPHALT	3.08	123.20	13.69	13.69	0.00	0.00
65+00	32.00	LT	2	36.00	7.33	29.32	36.00	GRAVEL	1.05	0.00	0.00	4.20	4.20	0.00
65+64	32.00	LT	2	~~18.00~~ 20.00	7.33	14.66	18.00	GRAVEL	7.67	0.00	0.00	15.34	15.34	0.00
66+44	32.00	LT	1	18.00	5.00	10.00	18.00	GRAVEL	9.16	0.00	0.00	18.32	18.32	0.00
66+65	32.00	RT	2	50.00	7.33	40.72	50.00	ASPHALT	0.69	34.50	3.83	3.83	0.00	0.00
67+13	32.00	LT	2	24.00	7.33	19.55	24.00	GRAVEL	1.06	0.00	0.00	2.83	2.83	0.00
67+53	32.00	LT	2	36.00	7.33	29.32	36.00	ASPHALT	13.03	469.08	52.12	52.12	0.00	0.02
68+20	32.00	RT	2	80.00	7.33	65.16	80.00	ASPHALT	15.34	1227.20	136.36	136.36	0.00	0.05
68+84	32.00	LT	1	40.00	5.00	22.22	40.00	GRAVEL	1.40	0.00	0.00	6.22	6.22	0.00
69+75	32.00	LT	2	36.00	7.33	29.32	36.00	ASPHALT	3.76	135.36	15.04	15.04	0.00	0.01
69+75	32.00	RT	2	36.00	7.33	29.32	36.00	ASPHALT	27.48	989.28	109.92	249.33	0.00	0.04
70+28	32.00	LT	2	18.00	7.33	14.66	18.00	ASPHALT	15.38	276.84	30.76	30.76	0.00	0.01
70+84	109.37	RT	CURB CUT	20.00	0.00	0.00	20.00	GRAVEL	17.42	0.00	0.00	38.71	38.71	0.00
71+15	32.00	LT	2	36.00	7.33	29.32	36.00	ASPHALT	14.90	571.00	63.44	63.44	0.00	0.02
72+06	32.00	LT	2	24.00	7.33	19.55	24.00	GRAVEL	14.55	0.00	0.00	38.80	38.80	0.00
72+44	32.00	LT	1	12.00	5.00	6.67	12.00	GRAVEL	21.98	0.00	0.00	29.31	29.31	0.00
72+60	32.00	RT	2	12.00	7.33	9.77	12.00	GRAVEL	36.00	0.00	0.00	48.00	48.00	0.00
73+03	32.00	RT	2	40.00	7.33	32.58	40.00	GRAVEL	15.71	0.00	0.00	69.82	69.82	0.00
73+22	81.27	LT	CURB CUT	16.00	7.33	13.03	16.00	GRAVEL	2.00	0.00	0.00	3.56	3.56	0.00
73+52	32.00	RT	2	24.00	7.33	19.55	24.00	GRAVEL	5.41	0.00	0.00	14.43	14.43	0.00
73+88	32.00	LT	2	20.00	7.33	16.29	20.00	GRAVEL	4.66	0.00	0.00	10.36	10.36	0.00
74+05	32.00	RT	2	30.00	8.37	27.90	30.00	N/A						
74+60	32.00	RT	2	50.00	7.33	40.72	50.00	ASPHALT	16.32	816.00	90.67	90.67	0.00	0.03
74+71	32.00	LT	2	24.00	7.33	19.55	24.00	MILLINGS*	200.00	0.00	0.00	333.33	333.33	0.00
75+27	32.00	LT	2	40.00	7.33	32.58	40.00	ASPHALT	1.54	61.60	6.84	6.84	0.00	0.00
75+84	32.00	RT	2	24.00	7.33	19.55	24.00	N/A						
76+21	32.00	LT	2	36.00	7.33	29.32	36.00	GRAVEL	19.33	0.00	0.00	77.32	77.32	0.00
76+27	32.00	RT	2	18.00	7.33	14.66	18.00	GRAVEL	1.03	0.00	0.00	2.06	2.06	0.00
77+00	32.00	RT	2	40.00	7.33	32.58	40.00	GRAVEL	22.32	0.00	0.00	99.20	99.20	0.00
77+45	32.00	RT	2	18.00	7.33	14.66	18.00	GRAVEL	20.62	0.00	0.00	41.24	41.24	0.00
77+94	32.00	LT	1	24.00	5.00	13.33	24.00	GRAVEL	13.51	0.00	0.00	36.03	36.03	0.00
78+55	32.00	RT	2	50.00	7.33	40.72	50.00	GRAVEL	17.04	0.00	0.00	94.67	94.67	0.00
79+30	32.00	RT	2	16.00	8.36	14.86	16.00	N/A						
79+40	32.00	LT	2	24.00	7.33	19.55	24.00	GRAVEL	7.86	0.00	0.00	20.96	20.96	0.00
79+93	32.00	RT	2	16.00	7.33	13.03	16.00	GRAVEL	1.03	0.00	0.00	1.83	1.83	0.00
80+36	32.00	RT	2	50.00	7.33	40.72	50.00	ASPHALT	5.75	287.50	31.94	31.94	0.00	0.01
80+95	32.00	LT	2	18.00	7.33	14.66	18.00	GRAVEL	17.20	0.00	0.00	34.40	34.40	0.00
84+24	59.60	RT	1	18.00	5.00	10.00	18.00	GRAVEL	2.00	0.00	0.00	4.00	4.00	0.00
						SUBTOTAL=	1235.21	1656.00			650.78	2131.50	1341.31	0.22
						TOTAL =	2495.73	3231.70			3754.20	6038.67	2145.06	1.25
						USE=	2500	3240			3760	6040	2150	2

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER

WORK STARTED ON SNIDER MILLER 3/09 DATE

INSPECTORS ACCEPTANCE BY BC PWD 4/09 DATE

VERIFICATION BY BC PWD 4/09 DATE

CORRECTED BY P.B. 5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 4/1/09

NO.	DATE	REMARKS	BY	YR/Y
1	04/09	REVISED WIDTH AT STA 65+64	RJ	

DESIGN

DESIGNED BY	JB	8/1/07 DATE
DRAWN BY	RJ	8/1/07 DATE
CHECKED BY	NA	8/1/07 DATE

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
DRIVEPAD SCHEDULE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 2-11

RECORD DRAWING

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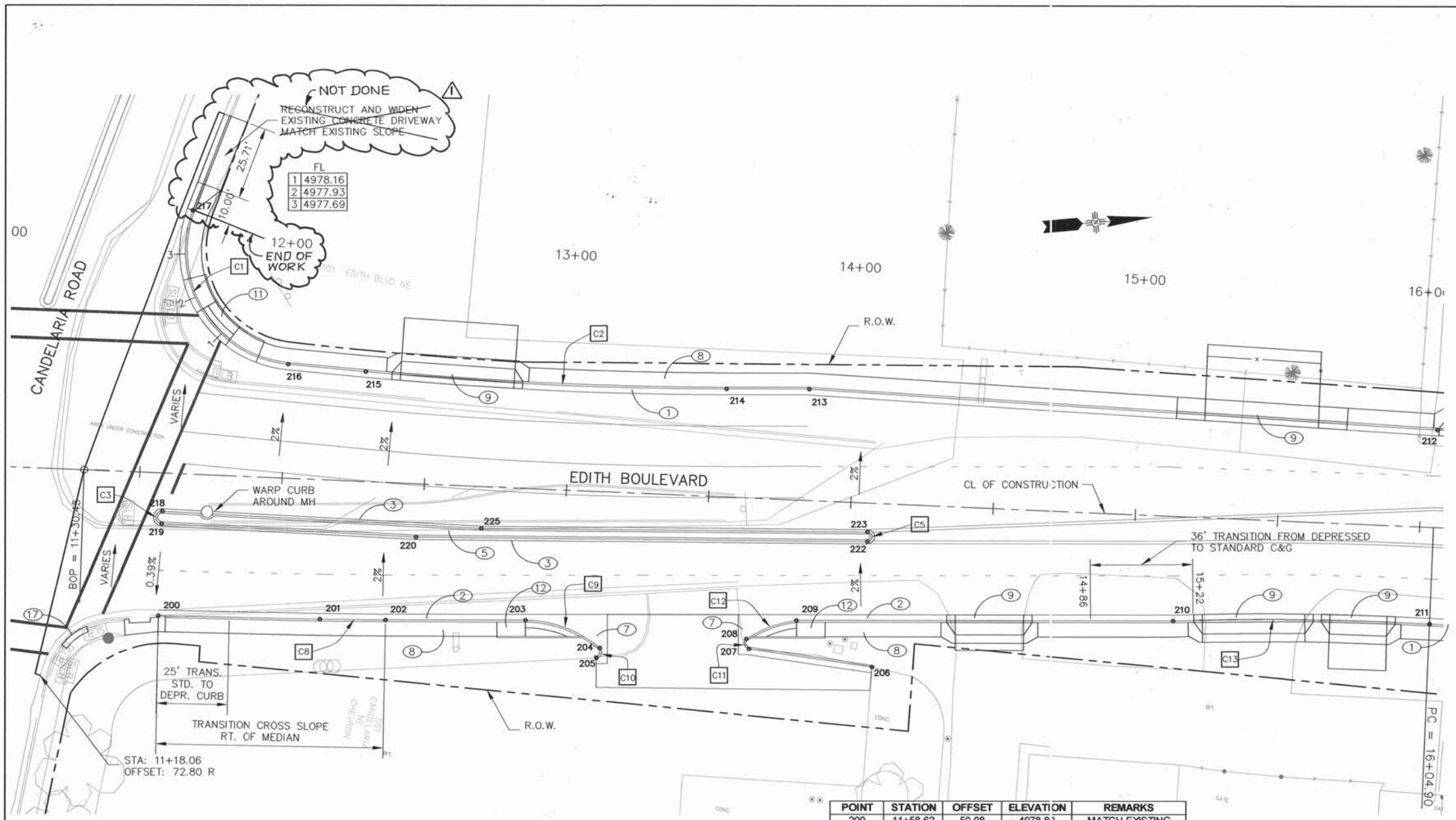

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. STATION AND OFFSETS FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
2. CURVE DATA FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.

KEYED NOTES:

(1) BUILD STANDARD CURB & GUTTER. SEE DETAIL SHEET 16-9

(2) BUILD DEPRESSED CURB & GUTTER. SEE DETAIL SHEET 16-9

(3) BUILD MEDIAN CURB & GUTTER. SEE DETAIL SHEET 16-9

(4) REMOVE TREE(S)

(5) BUILD MEDIAN PAVEMENT

(6) BUILD VALLEY GUTTER. SEE DETAIL SHEET 16-10

(7) BUILD CONCRETE FILLET. MATCH ROADWAY GRADES. SEE DETAIL SHEET 16-10

(8) BUILD 4" CONCRETE SIDEWALK. SEE DETAIL SHEET 2-4

(9) BUILD CONCRETE DRIVEPAD. SEE DETAIL SHEET 2-10 & 2-11

(10) COORDINATE WITH QWEST TO ADJUST MANHOLE TO GRADE

(11) BUILD CURB RAMP TYPE "B". SEE SHEET 15-21.

(12) BUILD CURB RAMP TYPE "C". SEE SHEET 15-22.

(13) BUILD SLOPE PAVING SEE DETAIL SHEET 2-7

(14) BUILD RETAINING WALL. SEE DETAIL SHEET 2-27 TO 2-31

(15) BUILD 5' CURB TAPER.

(17) BUILD DETECTABLE WARNING SURFACE AT EXISTING PEDESTRIAN CROSSINGS. SEE SHEET 15-26 FOR DETAILS.

CURVE TABLE				
CURVE NO.	RADIUS	LENGTH	TANGENT	DELTA
C1	40.00	73.48	52.37	105°15'10"
C2	1353.02	126.93	63.51	05°22'30"
C3	2.17	6.82	INFINITE	180°00'02"
C5	1.67	5.24	INFINITE	180°00'00"
C8	1127.00	23.06	11.53	01°10'20"
C9	40.00	28.48	14.87	40°47'20"
C10	2.00	4.75	4.96	136°03'41"
C11	2.00	4.66	4.65	133°26'58"
C12	40.00	18.93	9.65	27°07'10"
C13	1066.00	90.12	45.08	04°50'37"

POINT	STATION	OFFSET	ELEVATION	REMARKS
200	11+58.62	50.08	4978.80	MATCH EXISTING
201	12+15.37	48.91	4979.83	PC CURB FL
202	12+38.42	48.19	4980.22	PT CURB FL
203	12+87.55	46.17	4980.02	PC CURB FL
204	13+14.06	54.80	4979.63	PCC CURB FL
205	13+13.01	58.36	4979.85	MATCH EXISTING
206	14+09.85	57.47	4979.73	END CURB FL
207	13+66.43	52.95	4979.23	PT CURB FL
208	13+65.34	49.44	4979.21	PCC CURB FL
209	13+82.66	42.25	4978.99	PT CURB FL
210	15+14.85	36.81	4977.43	PC CURB FL
211	16+04.90	34.00	4976.43	PT CURB FL
212	16+04.90	-34.00	~~4977.21~~ 4976.18	PC CURB FL
213	13+83.75	-38.86	4977.33	PI CURB FL
214	13+54.71	-37.67	4977.71	PC CURB FL
215	12+27.82	-38.39	4978.43	PT CURB FL
216	12+00.47	-39.83	4978.33	PC CURB FL
217	11+64.70	-92.31	4977.43	MATCH EXISTING
218	11+58.49	13.25	4979.03	PC CURB FL
219	11+58.44	17.59	4979.03	PT CURB FL
220	12+47.91	18.60	4979.62	PCC CURB FL
222	14+06.40	13.42	4978.19	PC CURB FL
223	14+06.27	10.09	4978.12	PT CURB FL
225	12+70.68	14.51	4979.43	PT CURB FL

RECORD DRAWING

AS BUILT INFORMATION

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

CONTRACTOR A.S. HAMNER
WORK STAKED BY JAUBER & MILLER 3/08 DATE
INSPECTORS FIELD CHANGES BY BCPWD 3/09 DATE
FIELD VERIFICATION BY BCPWD 3/09 DATE
AS-BUILTS CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
9/17/07

NO.	DATE	REMARKS	BY
1	04/09	ADDED END OF WORK & REVISED ELEV.	VRV

DESIGN
DESIGNED BY JB DATE 8/1/07
DRAWN BY RJ DATE 8/1/07
CHECKED BY NA DATE 8/1/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

EDITH/CANDELARIA INTERSECTION PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 2-12

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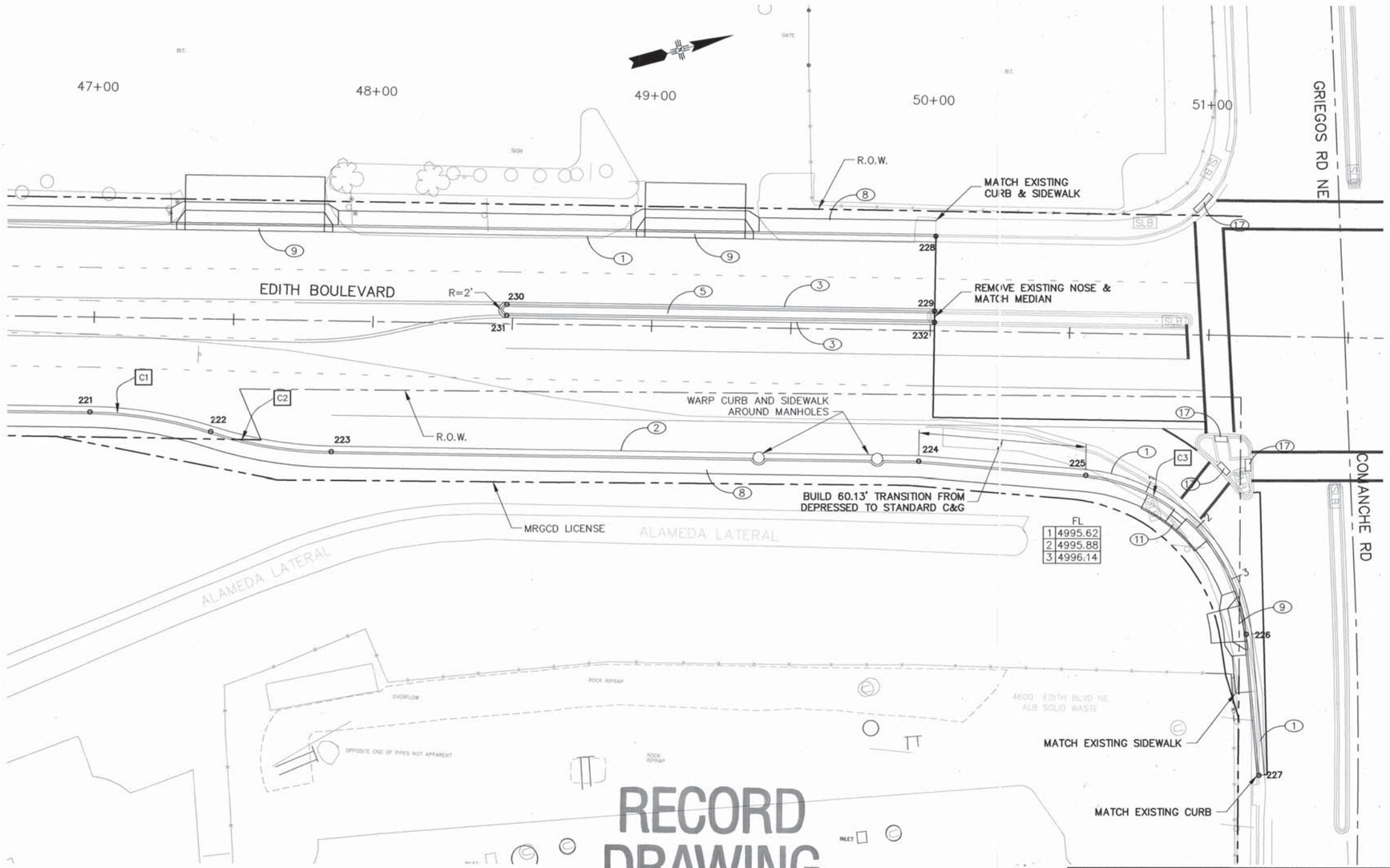

RECORD DRAWING

CURVE TABLE				
CURVE NO.	RADIUS	LENGTH	TANGENT	DELTA
C1	150.00	44.03	22.18	16°49'09"
C2	150.00	44.03	22.18	16°49'09"
C3	63.00	88.08	52.97	80°06'32"

POINT	STATION	OFFSET	ELEVATION	REMARKS
221	46+99.00	34.00	4990.69	
222	47+42.40	40.42	4991.35	
223	47+85.81	46.83	4992.11	
224	49+96.64	46.83	4994.47	MATCH EXISTING
225	50+56.64	50.83	4995.36	
226	51+15.10	107.02	4996.40	
227	51+20.90	157.40	4997.22	MATCH EXISTING
228	50+01.50	-34.00	4993.04	MATCH EXISTING
229	50+01.50	-7.00	4993.81	MATCH EXISTING
230	48+47.95	-7.00	4991.95	
231	48+47.95	-3.00	4992.03	
232	50+01.50	-3.00	4993.96	MATCH EXISTING

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. STATION AND OFFSETS FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
2. CURVE DATA FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.

KEYED NOTES:

(1) BUILD STANDARD CURB & GUTTER. SEE DETAIL SHEET 16-9

(2) BUILD DEPRESSED CURB & GUTTER. SEE DETAIL SHEET 16-9

(3) BUILD MEDIAN CURB & GUTTER. SEE DETAIL SHEET 16-9

(4) REMOVE TREE(S)

(5) BUILD MEDIAN PAVEMENT

(6) BUILD VALLEY GUTTER. SEE DETAIL SHEET 16-10

(7) BUILD CONCRETE FILLET. MATCH ROADWAY GRADES. SEE DETAIL SHEET 16-10

(8) BUILD 4" CONCRETE SIDEWALK. SEE DETAIL SHEET 2-4

(9) BUILD CONCRETE DRIVEPAD. SEE DETAIL SHEET 2-10 & 2-11

(10) COORDINATE WITH QWEST TO ADJUST MANHOLE TO GRADE

(11) BUILD CURB RAMP TYPE "B". SEE SHEET 15-21.

(12) BUILD CURB RAMP TYPE "C". SEE SHEET 15-22.

(13) BUILD SLOPE PAVING SEE DETAIL SHEET 2-7

(14) BUILD RETAINING WALL. SEE DETAIL SHEET 2-27 TO 2-31

(15) BUILD 5' CURB TAPER.

(17) BUILD DETECTABLE WARNING SURFACE AT EXISTING PEDESTRIAN CROSSINGS. SEE SHEET 15-26 FOR DETAILS.

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORVER
WORK STAKED BY SNYDER MILLER 1/08 DATE
INSPECTOR'S ATTENDANCE BY BCPWD 1/09 DATE
FIELD VERIFICATION BY BCPWD 1/09 DATE
DRAWINGS CORRECTED BY P.B. 5/09 DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES BY DATE NO.

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
JAMES H. ROCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY	DESIGN	DATE
				DESIGNED BY JB	8/1/07
				DRAWN BY RJ	8/1/07
				CHECKED BY NA	8/1/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH/COMANCHE INTERSECTION PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 2-13

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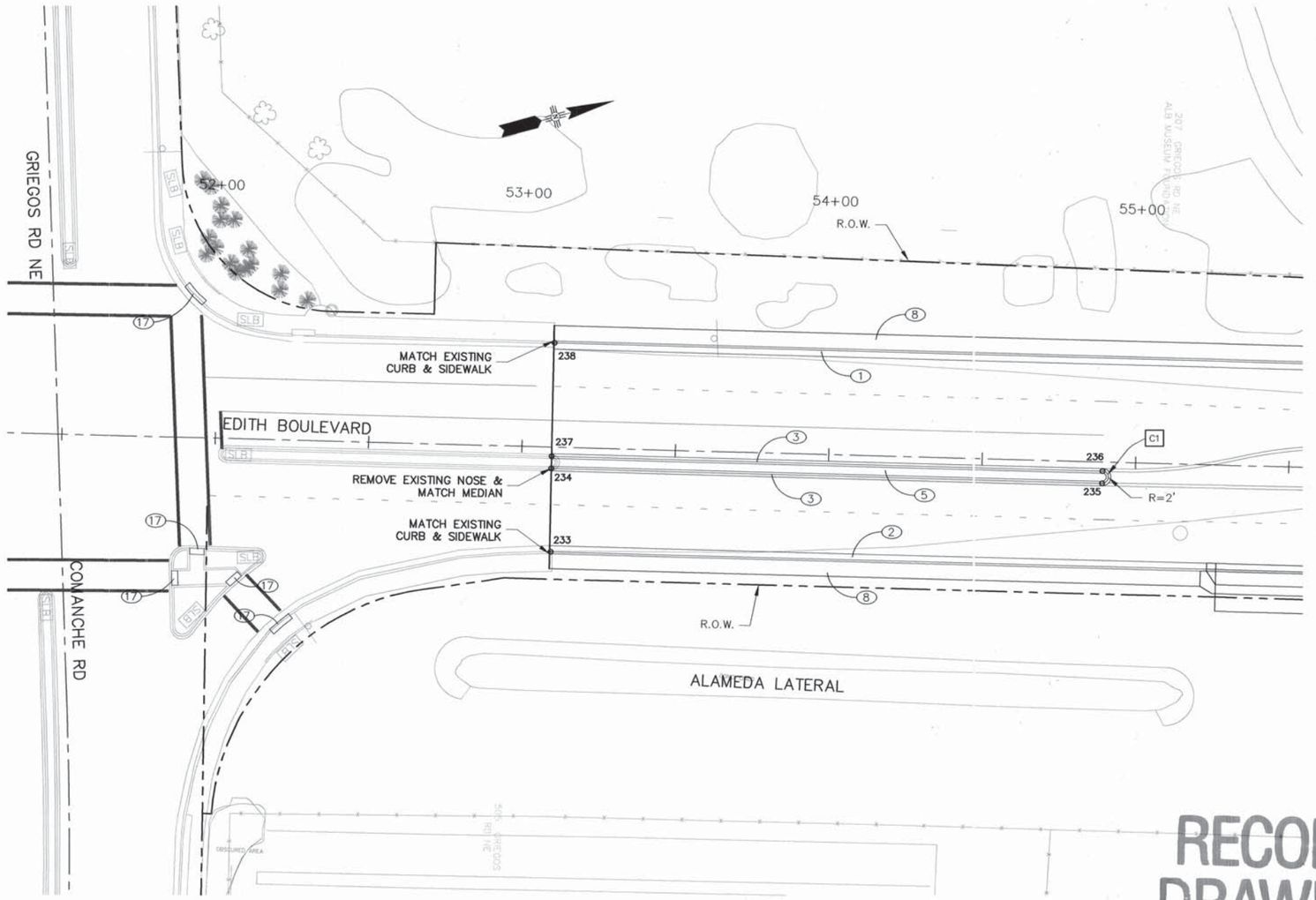

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.

HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. STATION AND OFFSETS FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
2. CURVE DATA FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.

KEYED NOTES:

(1) BUILD STANDARD CURB & GUTTER. SEE DETAIL SHEET 16-9

(2) BUILD DEPRESSED CURB & GUTTER. SEE DETAIL SHEET 16-9

(3) BUILD MEDIAN CURB & GUTTER. SEE DETAIL SHEET 16-9

(4) REMOVE TREE(S)

(5) BUILD MEDIAN PAVEMENT

(6) BUILD VALLEY GUTTER. SEE DETAIL SHEET 16-10

(7) BUILD CONCRETE FILLET. MATCH ROADWAY GRADES. SEE DETAIL SHEET 16-10

(8) BUILD 4" CONCRETE SIDEWALK. SEE DETAIL SHEET 2-4

(9) BUILD CONCRETE DRIVEPAD. SEE DETAIL SHEET 2-10 & 2-11

(10) COORDINATE WITH QWEST TO ADJUST MANHOLE TO GRADE

(11) BUILD CURB RAMP TYPE "B". SEE SHEET 15-21.

(12) BUILD CURB RAMP TYPE "C". SEE SHEET 15-22.

(13) BUILD SLOPE PAVING SEE DETAIL SHEET 2-7

(14) BUILD RETAINING WALL. SEE DETAIL SHEET 2-27 TO 2-31

(15) BUILD 5' CURB TAPER.

(17) BUILD DETECTABLE WARNING SURFACE AT EXISTING PEDESTRIAN CROSSINGS. SEE SHEET 15-26 FOR DETAILS.

CURVE TABLE				
CURVE NO.	RADIUS	LENGTH	TANGENT	DELTA
C1	2.00	6.28	INFINITE	180°00'00"

POINT	STATION	OFFSET	ELEVATION	REMARKS
233	53+10.22	34.00	4996.11	MATCH EXISTING
234	53+09.72	7.00	4995.71	MATCH EXISTING
235	54+89.30	7.00	4996.33	
236	54+89.30	3.00	4996.25	
237	53+09.72	3.00	4995.68	MATCH EXISTING
238	53+09.72	-34.00	4994.81	MATCH EXISTING

RECORD DRAWING

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION
CONTRACTOR A.S. HARNER
WORK STAKED BY SNYDER MILLER 1/08 DATE
INSPECTION PERFORMED BY B.C.PWD 1/09 DATE
FIELD VERIFICATION BY B.C.PWD 1/09 DATE
DRAWING CORRECTED BY P. B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BECKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY JB	DATE 8/1/07
		DRAWN BY RJ	DATE 8/1/07
		CHECKED BY NA	DATE 8/1/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH/COMANCHE INTERSECTION PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	2-14

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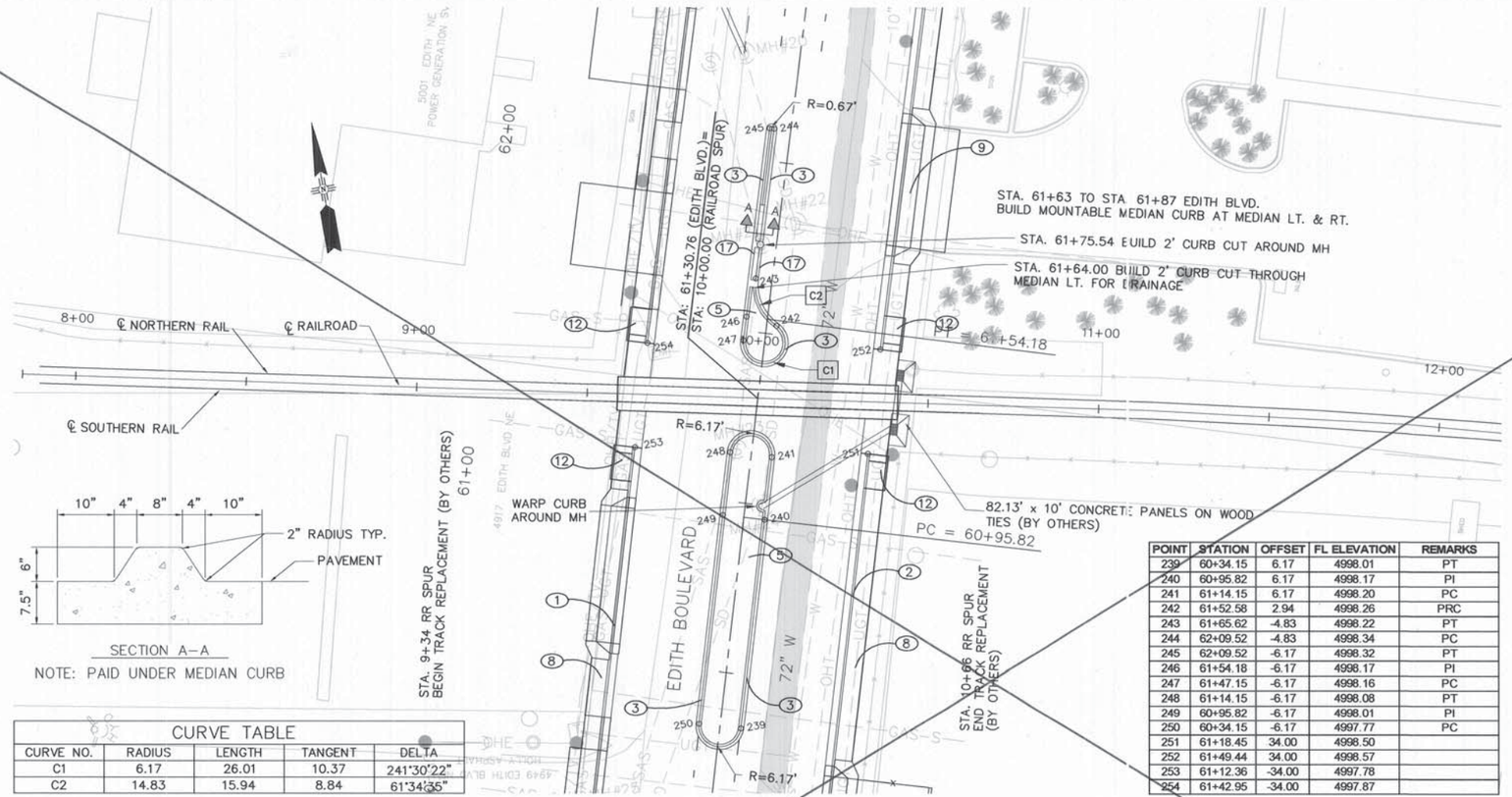

CURVE TABLE				
CURVE NO.	RADIUS	LENGTH	TANGENT	DELTA
C1	6.17	26.01	10.37	241°30'22"
C2	14.83	15.94	8.84	61°34'35"

POINT	STATION	OFFSET	FL ELEVATION	REMARKS
239	60+34.15	6.17	4998.01	PT
240	60+95.82	6.17	4998.17	PI
241	61+14.15	6.17	4998.20	PC
242	61+52.58	2.94	4998.26	PRC
243	61+65.62	-4.83	4998.22	PT
244	62+09.52	-4.83	4998.34	PC
245	62+09.52	-6.17	4998.32	PT
246	61+54.18	-6.17	4998.17	PI
247	61+47.15	-6.17	4998.16	PC
248	61+14.15	-6.17	4998.08	PT
249	60+95.82	-6.17	4998.01	PI
250	60+34.15	-6.17	4997.77	PC
251	61+18.45	34.00	4998.50	
252	61+49.44	34.00	4998.57	
253	61+12.36	-34.00	4997.78	
254	61+42.95	-34.00	4997.87	

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. STATION AND OFFSETS FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
2. CURVE DATA FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.

KEYED NOTES:

1. BUILD STANDARD CURB & GUTTER. SEE DETAIL SHEET 16-9
2. BUILD DEPRESSED CURB & GUTTER. SEE DETAIL SHEET 16-9
3. BUILD MEDIAN CURB & GUTTER. SEE DETAIL SHEET 16-9
4. REMOVE TREE(S)
5. BUILD MEDIAN PAVEMENT
6. BUILD VALLEY GUTTER. SEE DETAIL SHEET 16-10
7. BUILD CONCRETE FILLET. MATCH ROADWAY GRADES. SEE DETAIL SHEET 16-10
8. BUILD 4" CONCRETE SIDEWALK. SEE DETAIL SHEET 2-4
9. BUILD CONCRETE DRIVEPAD. SEE DETAIL SHEET 2-10 & 2-11
10. COORDINATE WITH QWEST TO ADJUST MANHOLE TO GRADE
11. BUILD CURB RAMP TYPE "B". SEE SERIAL PAD-001 SHEET 3 OF 10 SHEET 15-21
12. BUILD CURB RAMP TYPE "C". SEE SERIAL PAD-001 SHEET 4 OF 10 SHEET 15-22
13. BUILD SLOPE PAVING SEE DETAIL SHEET 2-7
14. BUILD RETAINING WALL. SEE DETAIL SHEET 2-27 TO 2-31
15. BUILD 5' CURB TAPER.
16. ~~SAWCUT & MATCH EXISTING CURB/ PAVEMENT~~
17. BUILD MOUNTABLE MEDIAN CURB.

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTORS — DATE
ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
CORRECTED BY — DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

DESIGN
DESIGNED BY — JB — DATE 8/1/07
DRAWN BY — AB — DATE 8/1/07
CHECKED BY — NA — DATE 8/1/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
RAILROAD CROSSING INTERSECTION/PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	2-15

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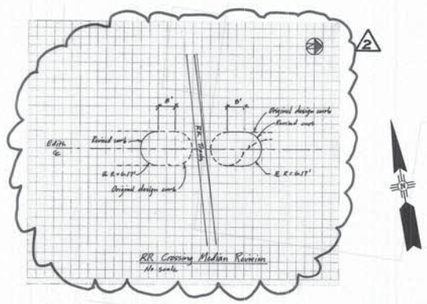
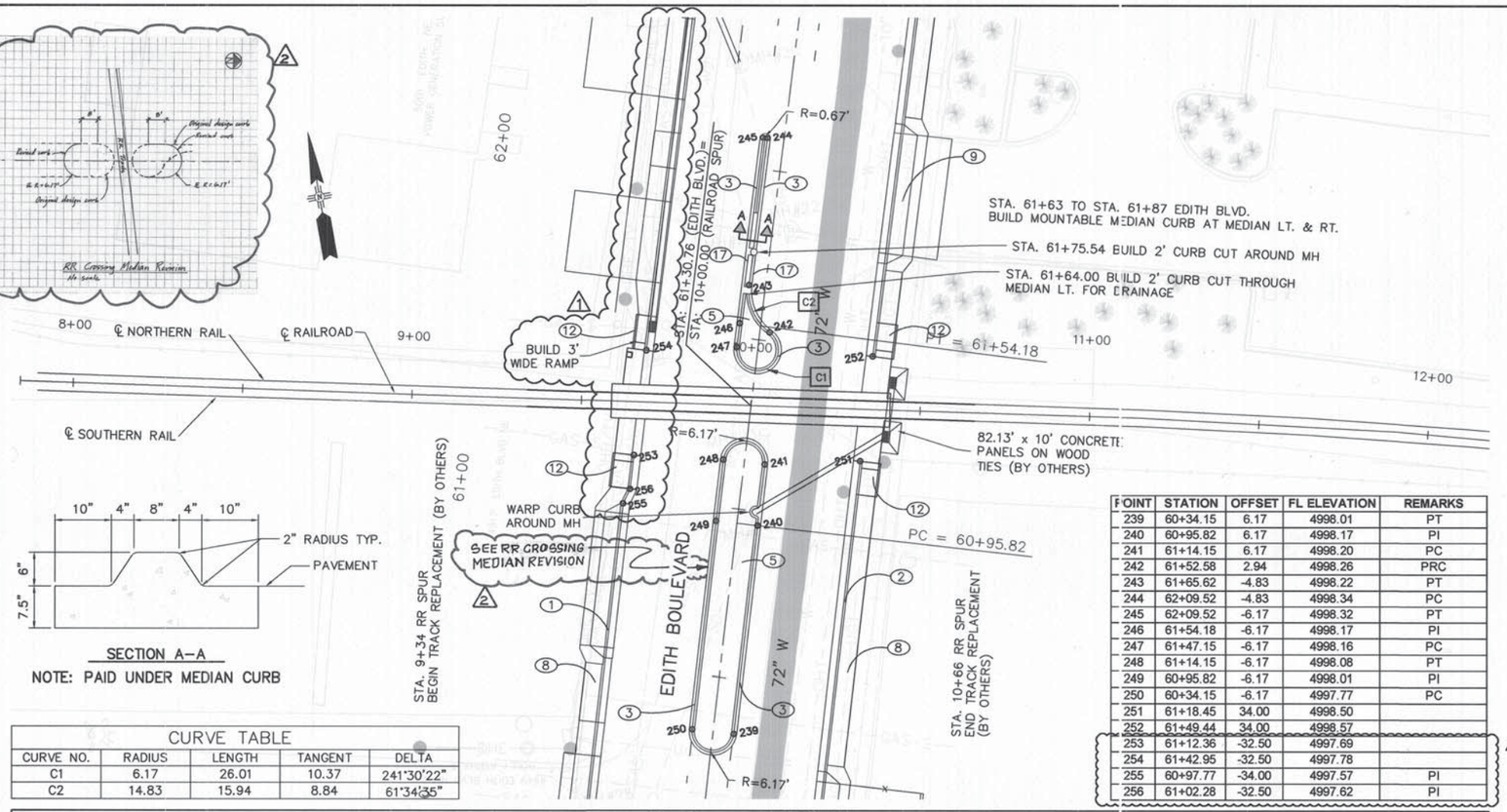


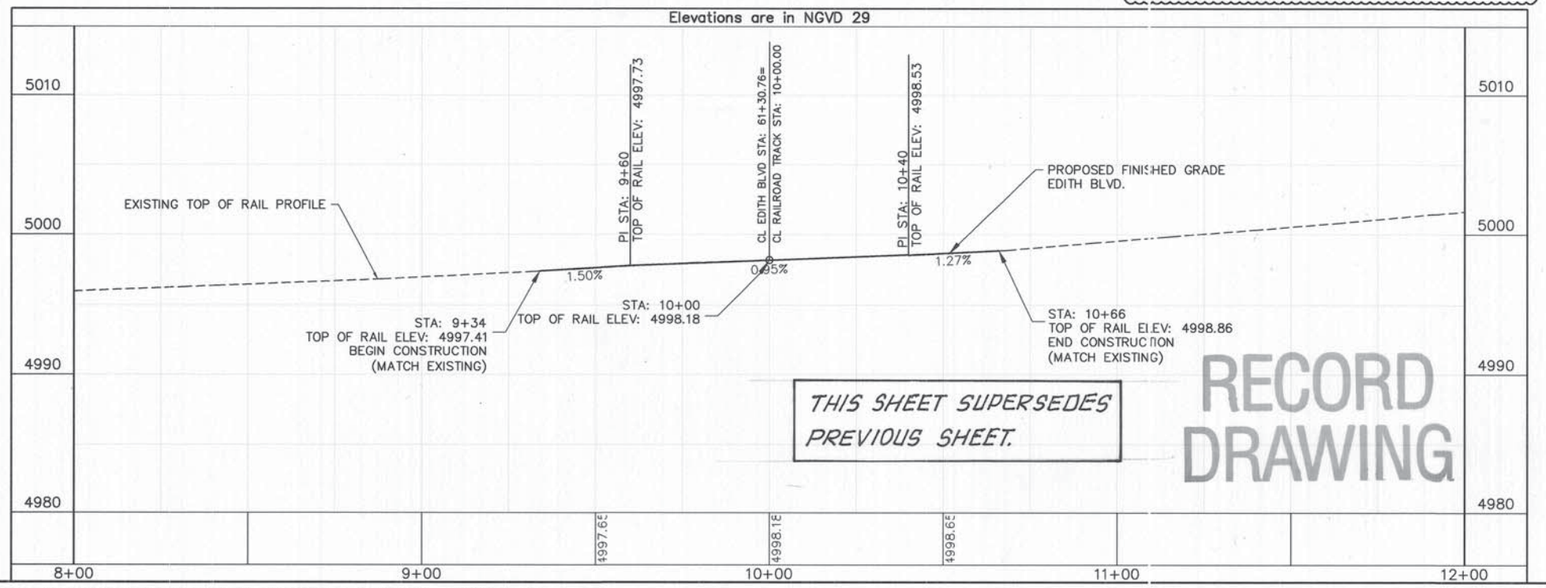
SECTION A–A

NOTE: PAID UNDER MEDIAN CURB

CURVE TABLE				
CURVE NO.	RADIUS	LENGTH	TANGENT	DELTA
C1	6.17	26.01	10.37	241°30'22"
C2	14.83	15.94	8.84	61°34'35"



POINT	STATION	OFFSET	FL ELEVATION	REMARKS
239	60+34.15	6.17	4998.01	PT
240	60+95.82	6.17	4998.17	PI
241	61+14.15	6.17	4998.20	PC
242	61+52.58	2.94	4998.26	PRC
243	61+65.62	-4.83	4998.22	PT
244	62+09.52	-4.83	4998.34	PC
245	62+09.52	-6.17	4998.32	PT
246	61+54.18	-6.17	4998.17	PI
247	61+47.15	-6.17	4998.16	PC
248	61+14.15	-6.17	4998.08	PT
249	60+95.82	-6.17	4998.01	PI
250	60+34.15	-6.17	4997.77	PC
251	61+18.45	34.00	4998.50	
252	61+49.44	34.00	4998.57	
253	61+12.36	-32.50	4997.69	
254	61+42.95	-32.50	4997.78	
255	60+97.77	-34.00	4997.57	PI
256	61+02.28	-32.50	4997.62	PI



THIS SHEET SUPERSEDES PREVIOUS SHEET.

RECORD DRAWING

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. STATION AND OFFSETS FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
2. CURVE DATA FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.

KEYED NOTES:

1. BUILD STANDARD CURB & GUTTER. SEE DETAIL SHEET 16–9
2. BUILD DEPRESSED CURB & GUTTER. SEE DETAIL SHEET 16–9
3. BUILD MEDIAN CURB & GUTTER. SEE DETAIL SHEET 16–9
4. REMOVE TREE(S)
5. BUILD MEDIAN PAVEMENT
6. BUILD VALLEY GUTTER. SEE DETAIL SHEET 16–10
7. BUILD CONCRETE FILLET. MATCH ROADWAY GRADES. SEE DETAIL SHEET 16–10
8. BUILD 4" CONCRETE SIDEWALK. SEE DETAIL SHEET 2–4
9. BUILD CONCRETE DRIVEPAD. SEE DETAIL SHEET 2–10 & 2–11
10. COORDINATE WITH QWEST TO ADJUST MANHOLE TO GRADE
11. BUILD CURB RAMP TYPE "B". SEE SHEET 15–21.
12. BUILD CURB RAMP TYPE "C". SEE SHEET 15–22.
13. BUILD SLOPE PAVING SEE DETAIL SHEET 2–7
14. BUILD RETAINING WALL. SEE DETAIL SHEET 2–27 TO 2–31
15. BUILD 5' CURB TAPER.
16. MATCH EXISTING
17. BUILD MOUNTABLE MEDIAN CURB.

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on solid drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY MUDER MILLER 4/08 DATE
INSPECTORS FIELD CHANGES BY BLPWD 4/09 DATE
VERIFICATION BY BLPWD 4/09 DATE
CORRECTIONS MADE BY P.B. 8/09 DATE
MICRO–FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
4/09		RR CROSSING MEDIAN REVISION	YRV
6/08		CURB REVISED	DE

DESIGN
DESIGNED BY JB DATE 8/1/07
DRAWN BY AB DATE 8/1/07
CHECKED BY NA DATE 8/1/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

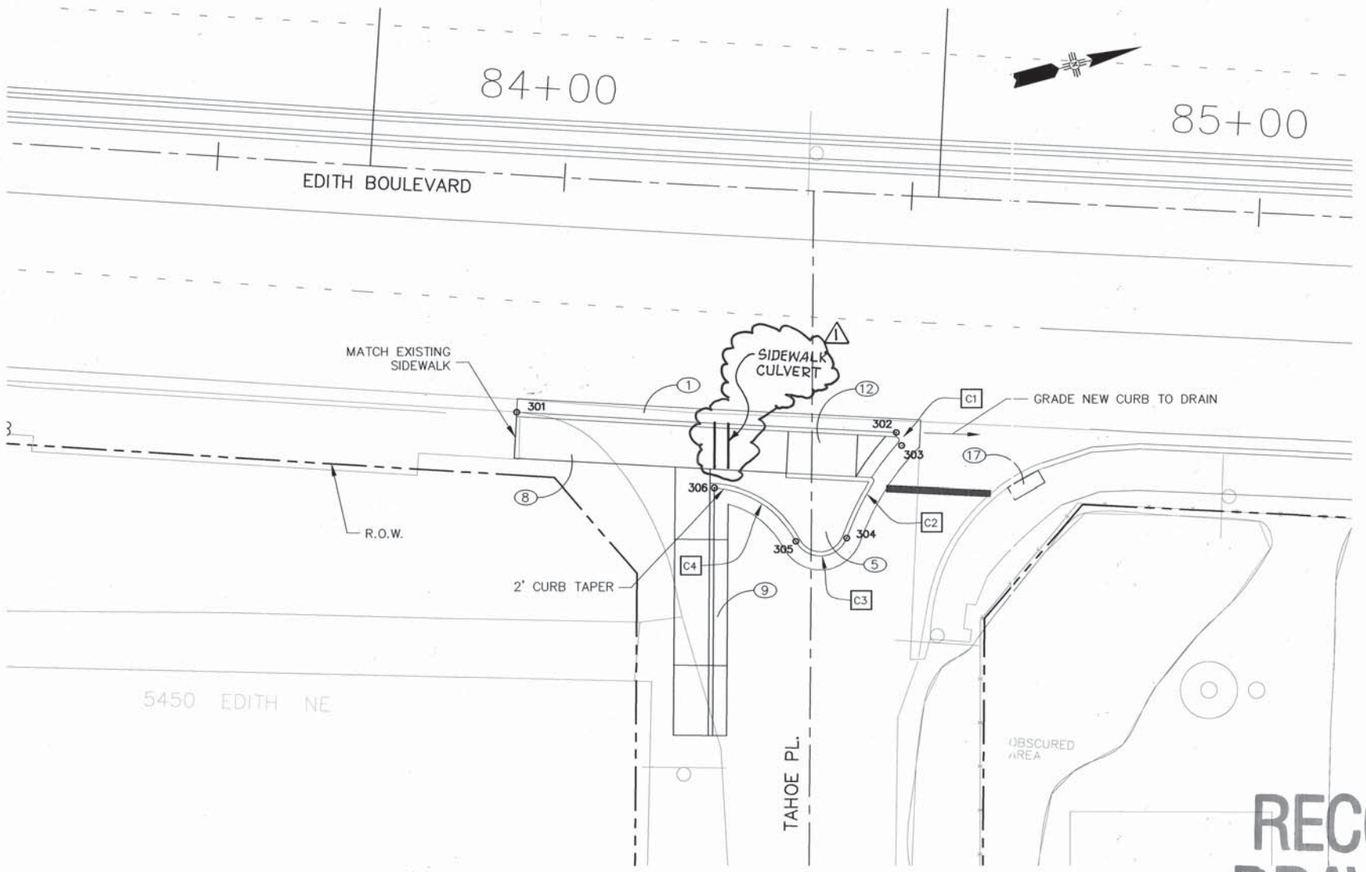
RAILROAD CROSSING INTERSECTION/PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No. 785181 | Zone Map No. F–15, G–15 | Sheet 2–15R

G:\33588_Edith\04 Engineering\Plans\Section 2\RR-Xing-PP.dwg 4/2/2009 3:10:05 PM MDT

NOTE: TAHOE DRIVE MUST BE COMPLETED BEFORE BEGINNING THE WORK SHOWN ON THIS SHEET



RECORD DRAWING

POINT	STATION	OFFSET	ELEVATION	REMARKS
301	83+95.07	34.00	4984.53	BEGIN CURB FL
302	84+49.39	34.00	4984.11	PC CURB FL
303	84+50.26	35.84	4984.16	PRC CURB FL
304	84+43.07	49.41	4984.27	PRC CURB FL
305	84+35.83	50.25	4984.38	PRC CURB FL
306	84+23.83	43.25	4984.48	END CURB FL

CURVE TABLE

CURVE NO.	RADIUS	LENGTH	TANGENT	DELTA
C1	1.1[illegible]	2.54	2.38	129°18'41"
C2	39.63	15.48	7.84	22°23'19"
C3	4.00	9.30	9.26	133°15'47"
C4	14.00	14.64	8.07	59°54'19"

GRAPHIC SCALE

(IN FEET)
1 inch = 10 ft.

GENERAL NOTES

1. STATION AND OFFSETS FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
2. CURVE DATA FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.

KEYED NOTES:

(1) BUILD STANDARD CURB & GUTTER. SEE DETAIL SHEET 16-9

(2) BUILD DEPRESSED CURB & GUTTER. SEE DETAIL SHEET 16-9

(3) BUILD MEDIAN CURB & GUTTER. SEE DETAIL SHEET 16-9

(4) REMOVE TREE(S)

(5) BUILD MEDIAN PAVEMENT

(6) BUILD VALLEY GUTTER. SEE DETAIL SHEET 16-10

(7) BUILD CONCRETE FILLET. MATCH ROADWAY GRADES. SEE DETAIL SHEET 16-10

(8) BUILD 4" CONCRETE SIDEWALK. SEE DETAIL SHEET 2-4

(9) BUILD CONCRETE DRIVEPAD. SEE DETAIL SHEET 2-10 & 2-11

(10) COORDINATE WITH QWEST TO ADJUST MANHOLE TO GRADE

(11) BUILD CURB RAMP TYPE "B". SEE SHEET 15-21.

(12) BUILD CURB RAMP TYPE "C". SEE SHEET 15-22.

(13) BUILD SLOPE PAVING SEE DETAIL SHEET 2-7

(14) BUILD RETAINING WALL. SEE DETAIL SHEET 2-27 TO 2-31

(15) BUILD 5' CURB TAPER.

(17) BUILD DETECTABLE WARNING SURFACE AT EXISTING PEDESTRIAN CROSSINGS. SEE SHEET 15-26 FOR DETAILS.

PB Parsons Brinckerhoff

AS BUILT INFORMATION

CONTRACTOR A.I. HANOVER

WORK CHECKED BY SAUERMILLER 1/09 DATE

INSPECTOR'S FIELD CHANGES BY B.C.PWD 1/09 DATE

FIELD VERIFICATION BY B.C.PWD 1/09 DATE

AS-BUILT CORRECTED BY P.B. DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	04/09	ADDED SIDEWALK CULVERT.	VRV

DESIGN

DESIGNED BY JB DATE 8/1/07

DRAWN BY RJ DATE 8/1/07

CHECKED BY NA DATE 8/1/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

EDITH/TAHOE PL. INTERSECTION PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 2-16

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REVEGETATION/ EROSION CONTROL PLAN

LOCATION	ITEM NO. 632000 CLASS A SEEDING ACRES	ITEM NO. 632100 STEEP SLOPE SEEDING ACRES	ITEM NO. 632200 BROADCAST SEEDING ACRES
EDITH BLVD. & SIDE STREETS STA. 11+30 TO 81+88	–	–	1.10
DETENTION BASIN NO. 1	15.1	1.0	0
TOTAL	15.1	1.0	1.10
USE	15.1	1.0	2

ITEM NO. 603100 TEMPORARY SOIL STABILANT
21.7 ACRES

GENERAL NOTES:

1. SEED MIX SHALL BE PER SECTION 1012.4.1.1 OF THE C.O.A. STANDARD SPECIFICATIONS (SANDY SOILS).
2. APPLY BROADCAST SEEDING PER TYPICAL SECTIONS.
3. APPLY STEEP SLOPE SEEDING (ITEM #632100) TO SLOPES STEEPER THAN 3:1 AS FOLLOWS. SEED SHALL BE APPLIED ON THE SLOPE PER SECTION 632 OF THE STANDARD SPECIFICATIONS, AND THE ROCK MULCH SHALL BE APPLIED IMMEDIATELY AFTERWARD. ANY SEEDED AREA NOT COVERED BY MULCH THE SAME DAY SHALL BE REJECTED AND NO PAYMENT MADE THEREFOR. ROCK MULCH ~~SHALL~~ SHALL BE ¾" TO 1½" ROUND RIVER ROCK, 100% COVERAGE. SEEDING AND PLACEMENT OF MULCH SHALL BE DONE IN STRIPS FROM THE TOP OF SLOPE TO THE BOTTOM SO THAT SEEDED AREAS ARE NOT DAMAGED BY EQUIPMENT DRIVEN OVER THE AREA.
4. NO FERTILIZER WILL BE REQUIRED.

RECORD DRAWING

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNYDER MILLER 1/08 DATE
INSPECTORS ACCEPTANCE BY B.PND 1/09 DATE
FIELD VERIFICATION BY B.PND 1/09 DATE
CORRECTED BY P.B. 3/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCHMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/1/07

NO.	DATE	REMARKS	BY

DESIGN
DESIGNED BY JB DATE 8/1/07
DRAWN BY RJ DATE 8/1/07
CHECKED BY NA DATE 8/1/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
REVEGETATION/EROSION CONTROL PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 2-17

G:\33588_Edith\04 Engineering\Plans\Section 2\REVEG-EROSION.dwg 8/3/2007 12:56:49 PM MDT

SITE DESCRIPTION & NOI INPUTS

NATURE OF ACTIVITY	ROADWAY CONSTRUCTION
GENERAL LOCATION AND SITE MAP	REFER TO VICINITY MAP
DISTURBED AND UNDISTURBED AREA	REFER TO TESCP
STRUCTURAL & NON-STRUCTURAL CONTROLS	REFER TO TESCP
LOCATIONS WHERE STABILIZATION WILL OCCUR	UNPAVED AREAS WITHIN THE RIGHT-OF-WAY
PERMANENT EROSION CONTROL MEASURES	REFER TO REVEGETATION/EROSION CONTROL PLAN
TOTAL SITE AREA	32.4 ACRES
RECEIVING WATER	ALAMEDA DRAIN/RIO GRANDE
LATITUDE	35.1293°N, WWW.TOPOZONE.COM
LONGITUDE	106.6430°W, WWW.TOPOZONE.COM
IS DISCHARGE CONSISTENT WITH APPROVED TMDL	YES
PART 1.3.C.6.C. OF THE PERMIT (a, b, c, d, e, f)	a

DRAINAGE PARAMETERS

DRAINAGE PATTERNS	REFER TO TESCP
APPROXIMATE SLOPES AFTER MAJOR GRADING	SEE CONSTRUCTION PLANS
RAINFALL 2-YEAR, 24-HOUR, inch (mm)	1.19"
2-YEAR, 1-HOUR, inch (mm)	0.87"
INTENSITY, in/hr (mm/hr) FOR T_c = 10 minutes	2.04"
HYDROLOGICAL SOIL GROUP	B
CURVE NUMBER(CN), UNDISTURBED AREA	86
CURVE NUMBER(CN), DISTURBED AREA	86
RUNOFF COEFFICIENT, PRIOR TO CONSTRUCTION	0.62
RUNOFF COEFFICIENT, DURING CONSTRUCTION	0.62
RUNOFF COEFFICIENT, AFTER CONSTRUCTION	0.90

RUNOFF DISCHARGE & VOLUME CALCULATION

THE FOLLOWING PROCEDURES SHOULD BE USED TO CALCULATE THE RUNOFF DISCHARGE AND VOLUME TO DESIGN THE EROSION CONTROL MEASURES:

DISCHARGE: $Q = CIA$ (English) $Q = 0.0028CIA$ (Metric)

WHERE, Q = DISCHARGE, cfs (m^3/s)
C = RUNOFF COEFFICIENT
I = RAINFALL INTENSITY, in/hr (mm/hr)
A = AREA OF THE SITE, acres (hectars)

VOLUME: $V = QT_c$

WHERE, V = VOLUME, ft^3 (m^3)
$T_c = (1/60)\ 0.0078\ L^{0.77}S^{-0.385}$, minutes
Assume T_c = 10 min. for basins within the project limits
L = LENGTH OF WATERSHED, ft (m)
S = SLOPE, ft/ft (m/m)

GENERAL NOTES:

1. THE 2003 EDITION OF THE NMDOT NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) HANDBOOK AND SECTION 603 - TEMPORARY EROSION & SEDIMENT CONTROL OF THE 2005 INTERIM EDITION OF THE NEW MEXICO DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION - SHALL BE USED AS MINIMUM REQUIREMENTS TO DEVELOP OR MODIFY THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
2. THE NPDES PERMIT NUMBER FOR THE PROJECT OR A COPY OF THE NOTICE OF INTENT (NOI), IF A PERMIT NUMBER HAS NOT YET BEEN ASSIGNED, SHALL BE POSTED AT THE PROJECT SITE OR THE FIELD OFFICE AT ALL TIMES DURING CONSTRUCTION.
3. THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND ALL MAINTENACE AND INSPECTION REPORTS SHALL BE SIGNED BY A QUALIFIED INSPECTOR ASSIGNED BY CONTRACTOR. THE SWPPP AND THE INSPECTION REPORTS SHALL BE AVAILABLE TO EPA REPRESENTATIVE AT ALL TIME DURING CONSTRUCTION.
4. ALL DRAINAGE INFORMATION NEEDED TO COMPLETE THE NOTICE OF INTENT (NOI) ARE PROVIDED IN THIS PLAN.
5. BMPS SHOWN ON TESCP ARE DETERMINED USING THE EQUATIONS SHOWN ON THIS SHEET AND OTHER HYDROLOGIC MODELS AS SPECIFIED IN THE DEPARTMENT'S DRAINAGE MANUALS LATEST EDITION. BMPS CONTROL SEDIMENT SO THAT NO ADDITIONAL SEDIMENT RESULTING FROM CONSTRUCTION ACTIVITIES DISCHARGE TO WATERWAYS.

BMP SCHEDULE			ITEM NO. 603200 SILT FENCE	ITEM NO. 603251 DROP INLET PROTECTION TYPE II
STATION TO STATION		LOCATION	LIN. FT.	EACH
17+64	18+36	LT	73	
21+91	26+34	LT	443	
26+67	27+44	LT	105	
27+78	30+16	LT	257	
35+88	36+22	LT	33	
36+63	39+49	LT	286	
39+89	42+87	LT	298	
49+33	50+05	LT	72	
56+00		LT		1
57+01	57+56	LT	55	
57+85		RT	88	
57+90	58+33	LT	43	
59+22	59+62	LT	41	
59+31		LT		1
60+33	61+13	LT	79	
61+26		RT		1
61+43		RT		1
61+93	62+14	LT	21	
62+47	62+69	LT	21	
62+57		LT		1
63+02	63+27	LT	25	
69+50		LT		1
70+50		RT		1
72+25		LT		1
72+48		RT		1
72+50		LT	83	
73+21		LT	90	
74+00		RT		1
75+48	76+03	LT	55	
75+50		RT		1
75+57		LT		1
76+42	77+82	LT	140	
76+68		LT		1
78+06	79+25	LT	119	
78+18		RT		1
78+18		LT		1
79+56	80+86	LT	130	
79+62		RT		1
79+62		LT		1
81+08	81+52	LT	44	
81+15		RT		1
81+15		LT		1
POND NO. 1			494	
HEADINGLY ST.	14+56	LT & RT		2
HEADINGLY ST.	16+82	LT & RT		2
				1
E. INDUSTRIAL AVE.	15+20	RT		1
W. INDUSTRIAL AVE.	14+00	RT		1
TOTAL			3096	26
USE			3100	26

LEGEND:

- DROP INLET TYPE II PROTECTION
- SF — SILT FENCE
- FLOW DIRECTION
- DISCHARGE POINT

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY JAMES MILLER 1/08 DATE
INSPECTION BY BERND 1/09 DATE
FIELD VERIFICATION BY BERND 1/09 DATE
DRAWINGS CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES BY DATE NO.

ENGINEER'S SEAL
JAMES H. BUCHMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/1/07

NO.	DATE	REMARKS	BY

DESIGN
DESIGNED BY KA DATE 8/1/07
DRAWN BY KA DATE 8/1/07
CHECKED BY DATE 8/1/07

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
SWPPP INFORMATION

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	2-18

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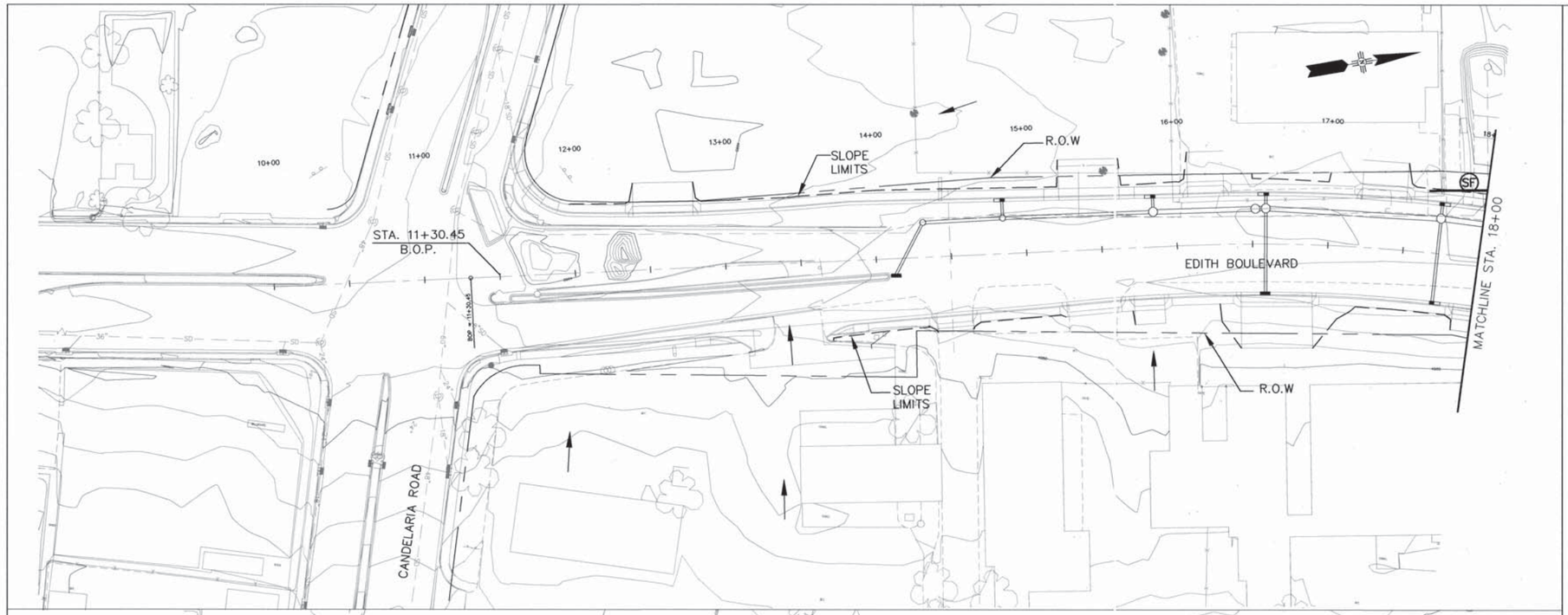

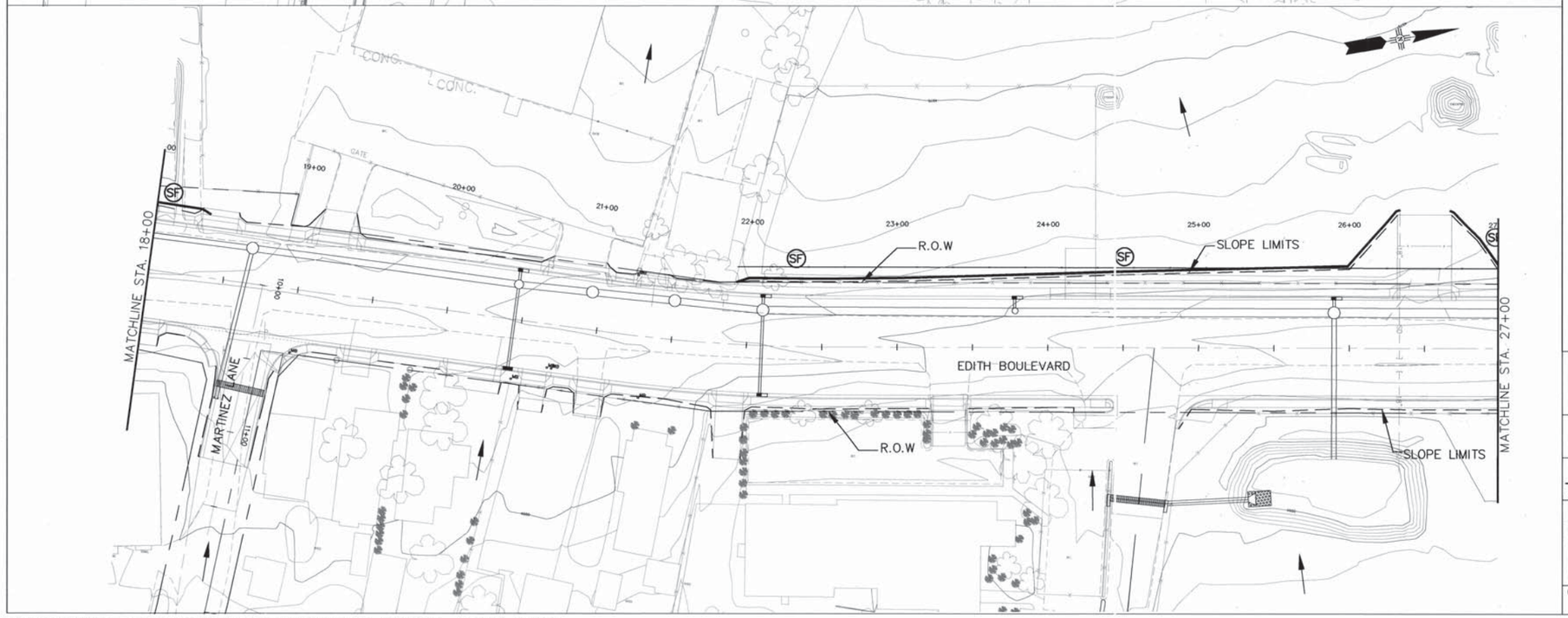

GRAPHIC SCALE

40 0 20 40 80

(IN FEET)
1 inch = 40 ft.

GENERAL NOTES:

1. SLOPE LIMITS DEFINE AREA OF DISTURBANCE

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER

STAKED BY SOUDER MILLER 3/08 DATE

INSPECTOR'S ACCEPTANCE BY BCPWD 3/09 DATE

FIELD VERIFICATION BY BCPWD 3/09 DATE

CORRECTED BY P.B. 5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.

NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCHANAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
8/1/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY JB	DATE 8/1/07
		DRAWN BY CV	DATE 8/1/07
		CHECKED BY	DATE 8/1/07

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

TEMPORARY EROSION & SEDIMENT CONTROL PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 2-19

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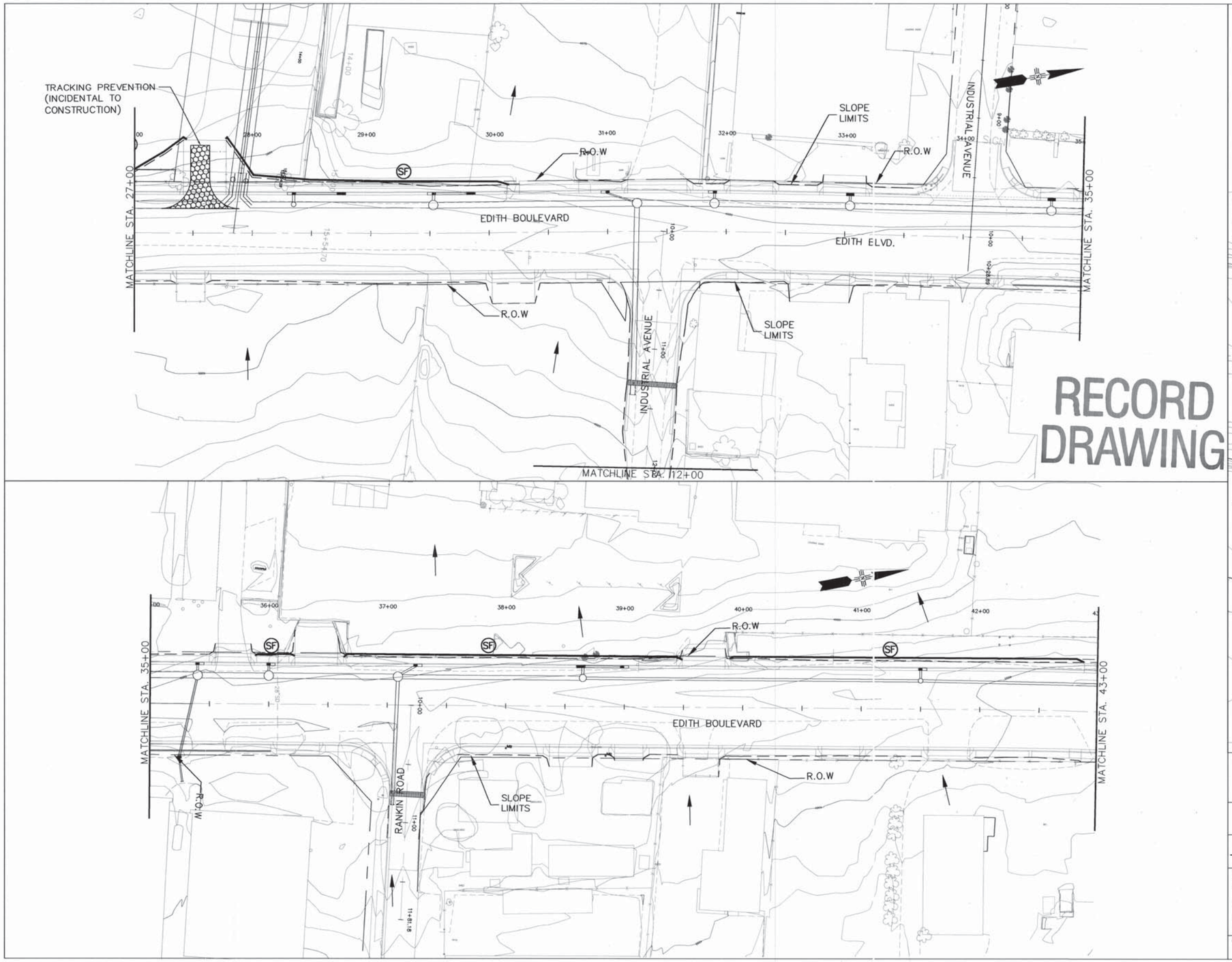

RECORD DRAWING

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

GENERAL NOTES:

1. SLOPE LIMITS DEFINE AREA OF DISTURBANCE

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SOUDER MILLER 7/6 DATE
INSPECTORS ACCEPTANCE BY BCPWD 1/9 DATE
AS BUILT VERIFICATION BY BCPWD 1/9 DATE
CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.09'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCHANAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
7/17/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY JB	DATE 8/1/07
		DRAWN BY CV	DATE 8/1/07
		CHECKED BY	DATE 8/1/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TEMPORARY EROSION & SEDIMENT CONTROL PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	2-20

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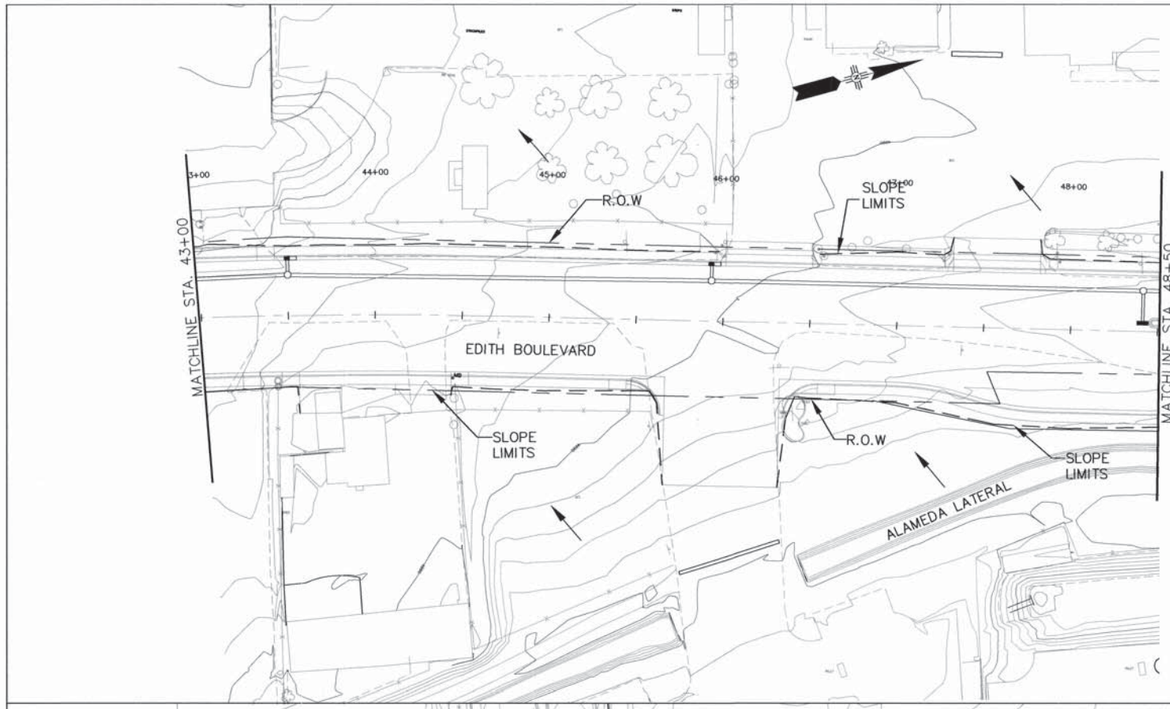

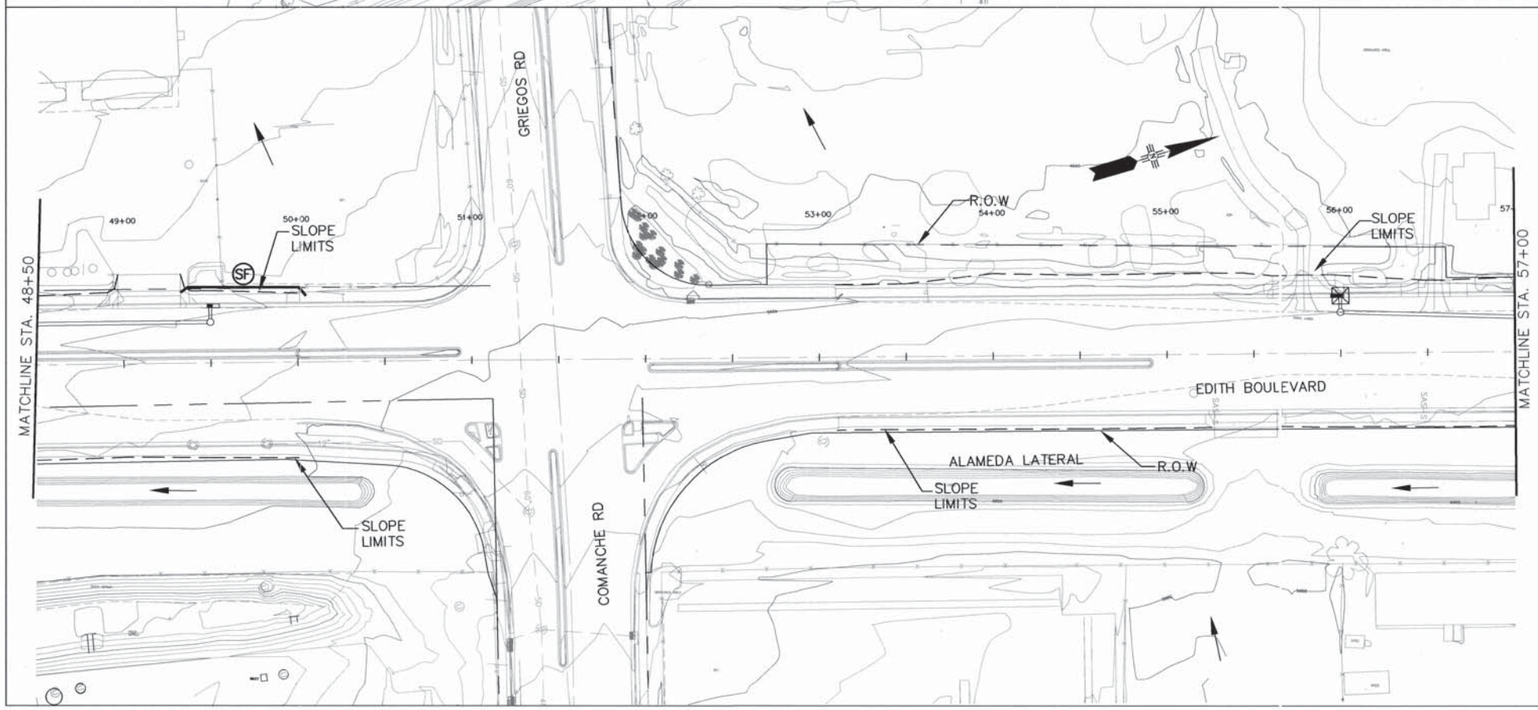

GRAPHIC SCALE

40 0 20 40 80

(IN FEET)
1 inch = 40 ft.

GENERAL NOTES:

1. SLOPE LIMITS DEFINE AREA OF DISTURBANCE

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

TEMPORARY EROSION & SEDIMENT CONTROL PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVE AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVE NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	2-21

AS BUILT INFORMATION
CONTRACTOR A. S. HORNER
WORK STAKED BY Sumner Miller 3/09 DATE
INSPECTORS ACCEPTANCE BY BCPWD 3/09 DATE
VERIFICATION BY BCPWD 3/09 DATE
CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 9/9/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY JB	DATE 8/1/07
		DRAWN BY CV	DATE 8/1/07
		CHECKED BY	DATE 8/1/07

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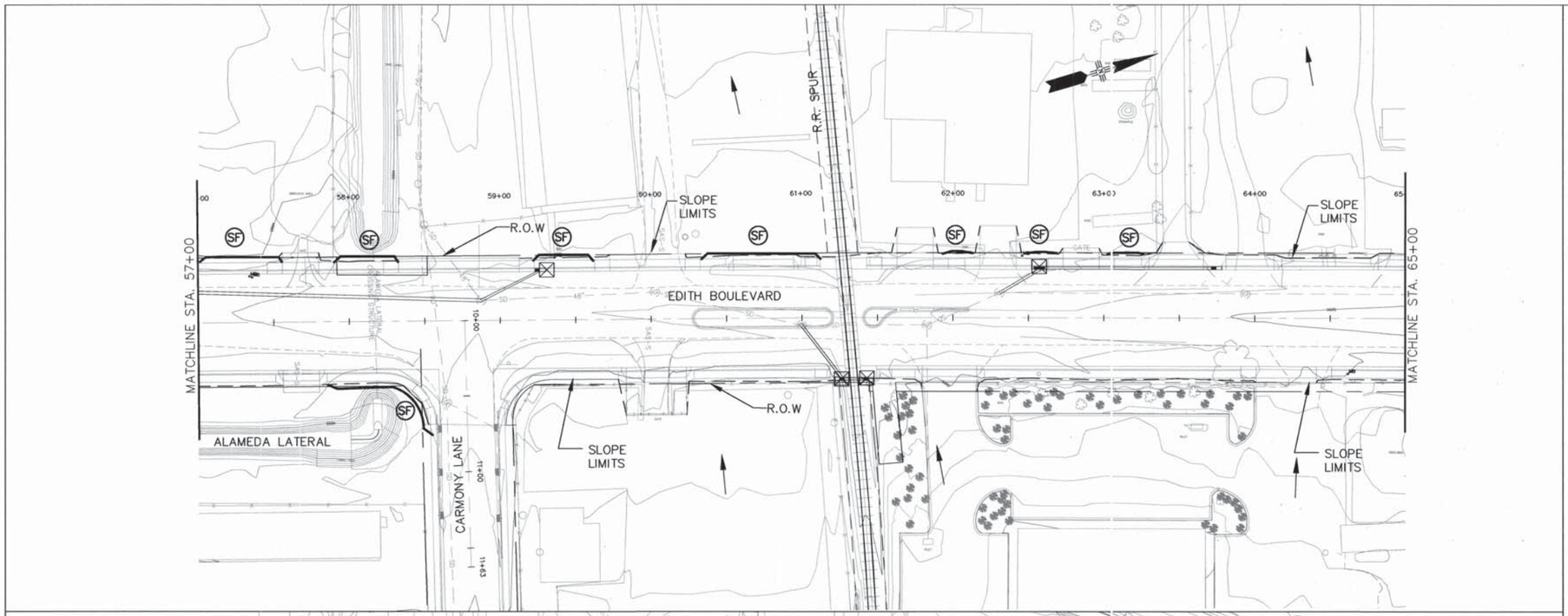

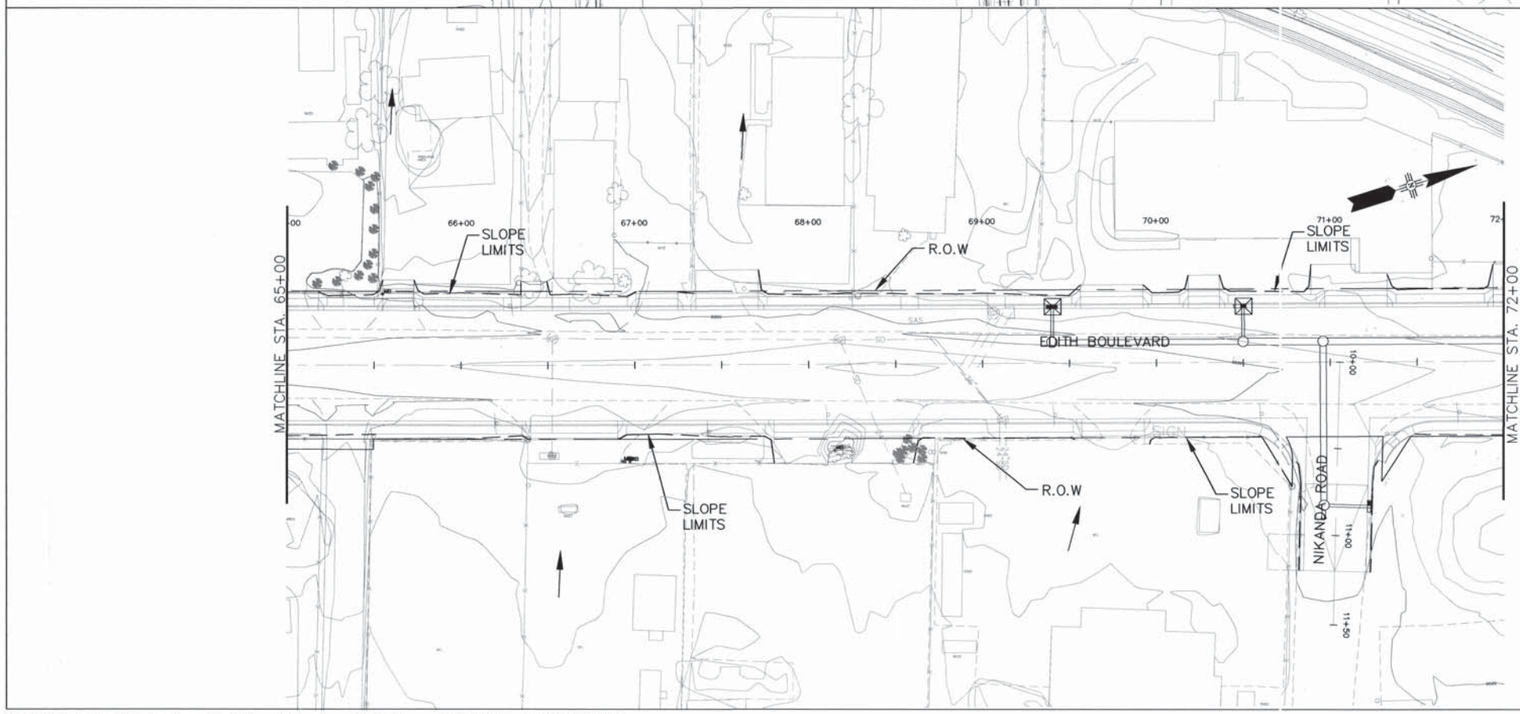

GRAPHIC SCALE

40 0 20 40 80

(IN FEET)
1 inch = 40 ft.

GENERAL NOTES:

1. SLOPE LIMITS DEFINE AREA OF DISTURBANCE

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

TEMPORARY EROSION & SEDIMENT CONTROL PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	2-22

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER

WORK STARTED BY SOUDER MILLER 7/16 DATE

INSPECTORS ACCEPTANCE BY B.C.P.W.D 7/19 DATE

VERIFICATION BY B.C.P.W.D 7/19 DATE

CORRECTED BY P.B. 7/19 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/1/07

NO.	DATE	REMARKS	DESIGN			BY
			DESIGNED BY	JB	DATE 8/1/07	
			DRAWN BY	CV	DATE 8/1/07	
			CHECKED BY		DATE 8/1/07	

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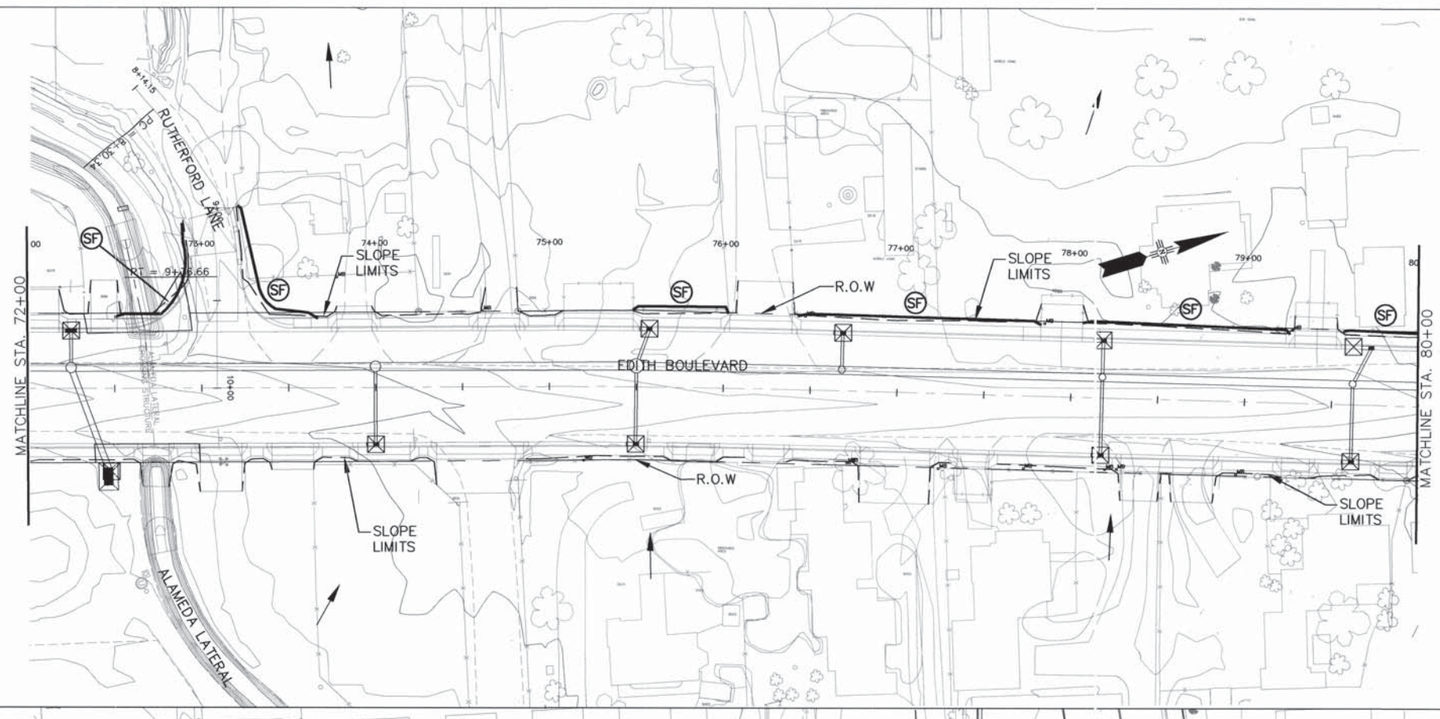

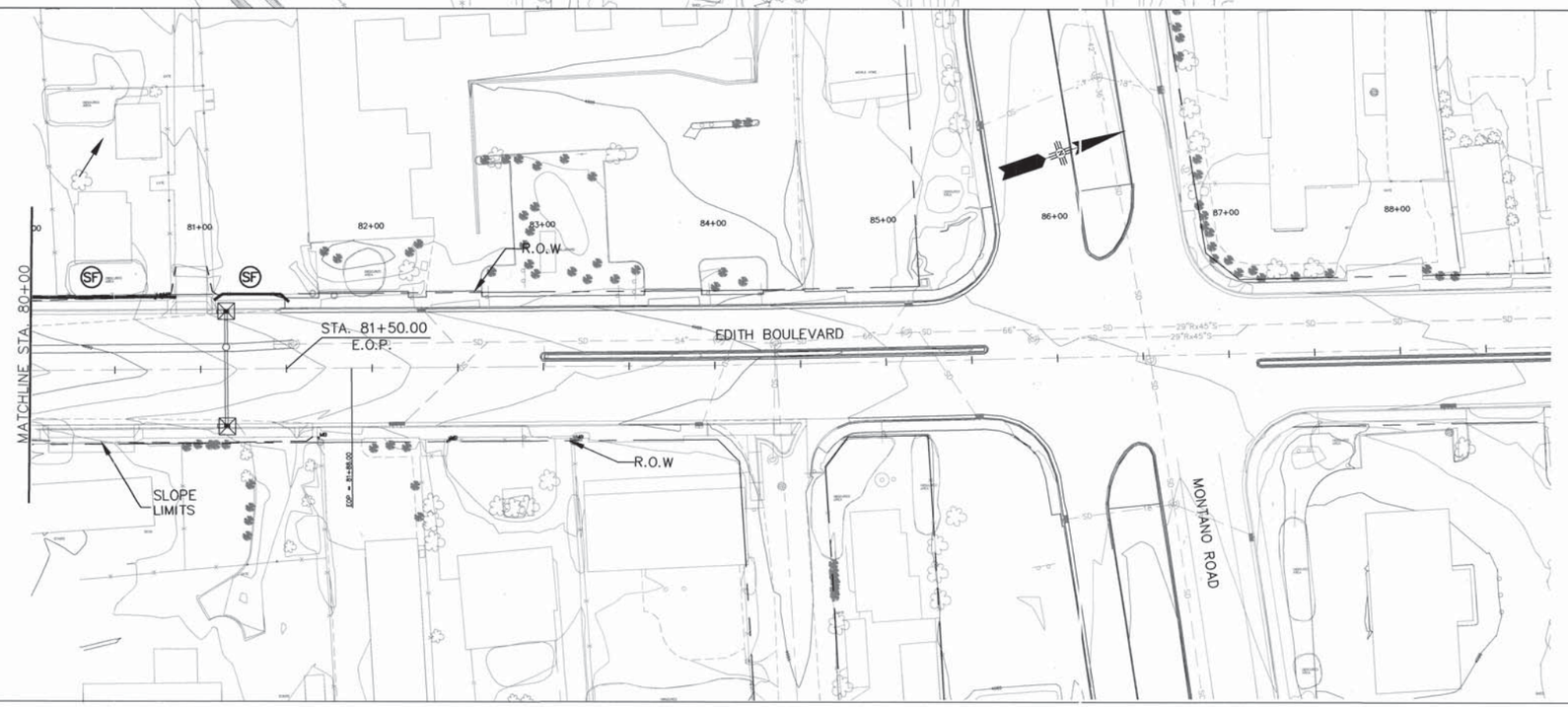

GRAPHIC SCALE

40 0 20 40 80

(IN FEET)
1 inch = 40 ft.

GENERAL NOTES:

1. SLOPE LIMITS DEFINE AREA OF DISTURBANCE

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

TEMPORARY EROSION & SEDIMENT CONTROL PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	2-23

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER
SURVEY STAKED BY SOUDER MILLER 7/08 DATE
INSPECTION AS BUILTS BY BCPWD 1/09 DATE
FIELD VERIFICATION BY BCPWD 1/09 DATE
DRAWINGS CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

ENGINEER'S SEAL

JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/7/07

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	JB	DATE 8/1/07
DRAWN BY	VC	DATE 8/1/07
CHECKED BY		DATE 8/1/07

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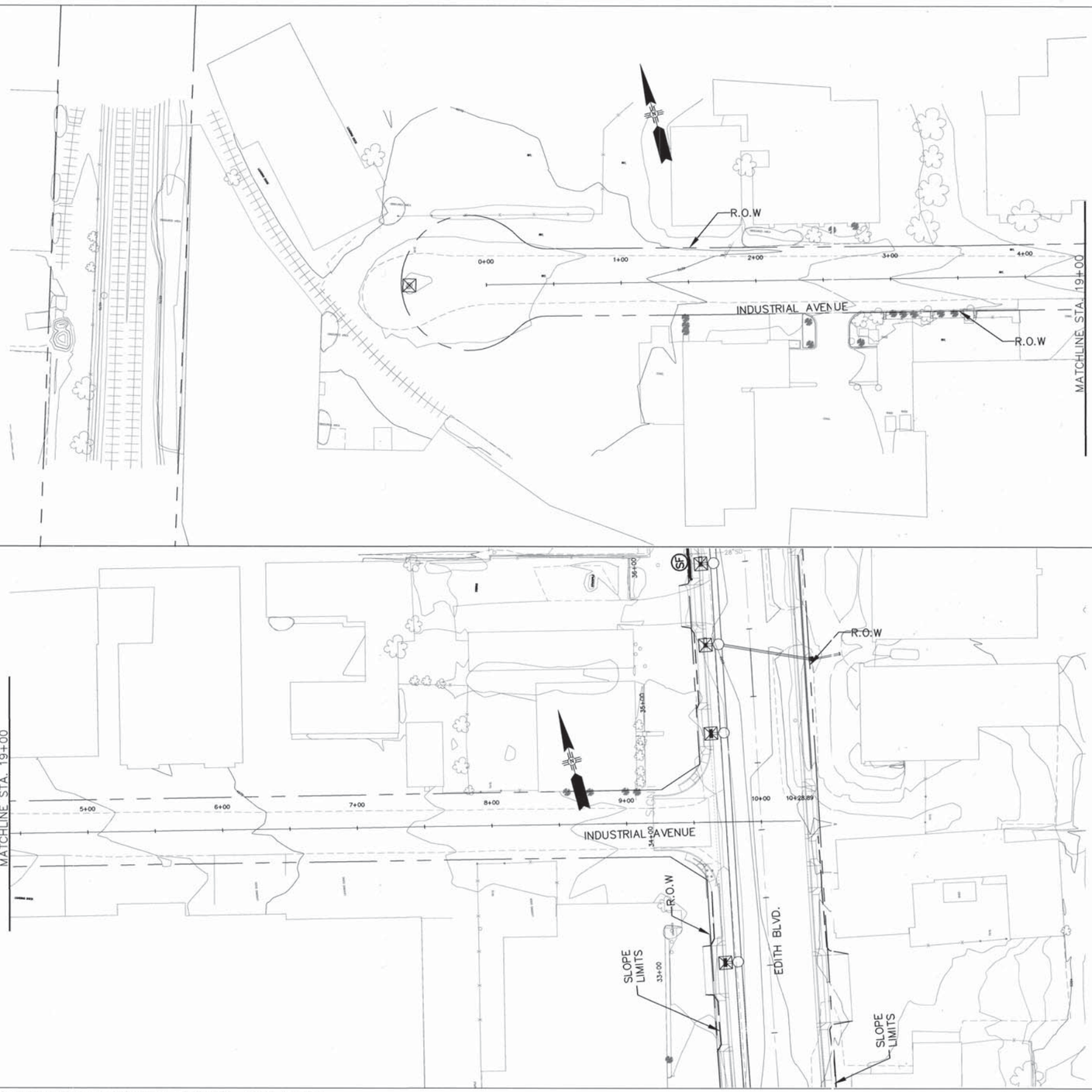

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

GENERAL NOTES:

1. SLOPE LIMITS DEFINE AREA OF DISTURBANCE

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

TEMPORARY EROSION & SEDIMENT CONTROL PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	2-24

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER

WORK STAKED BY SNYDER MILLER 7/08 DATE

INSPECTOR'S FIELD NOTES BY BCPWD 1/09 DATE

FIELD VERIFICATION BY BCPWD 1/09 DATE

DRAWING CORRECTED BY P.B. 6/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

SURVEY INFORMATION

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCHMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/1/07

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	JB	DATE 8/1/07
DRAWN BY	VC	DATE 8/1/07
CHECKED BY		DATE 8/1/07

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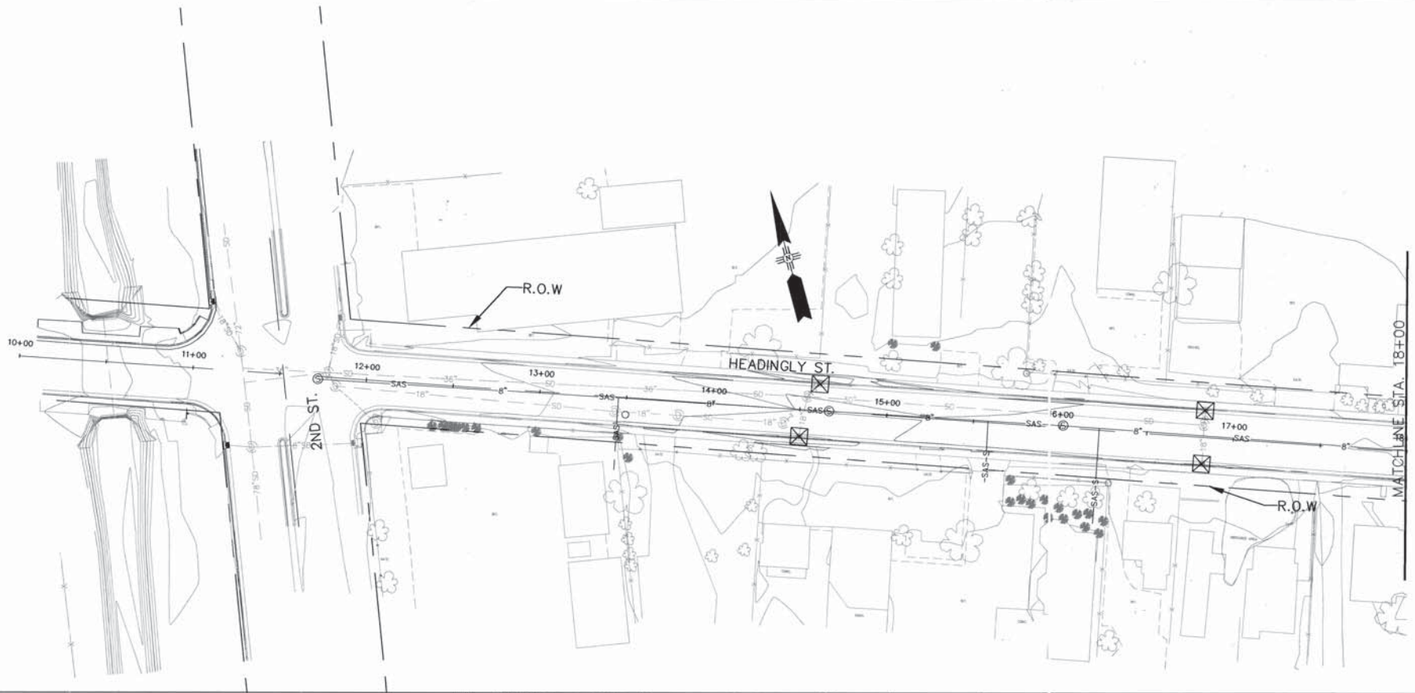

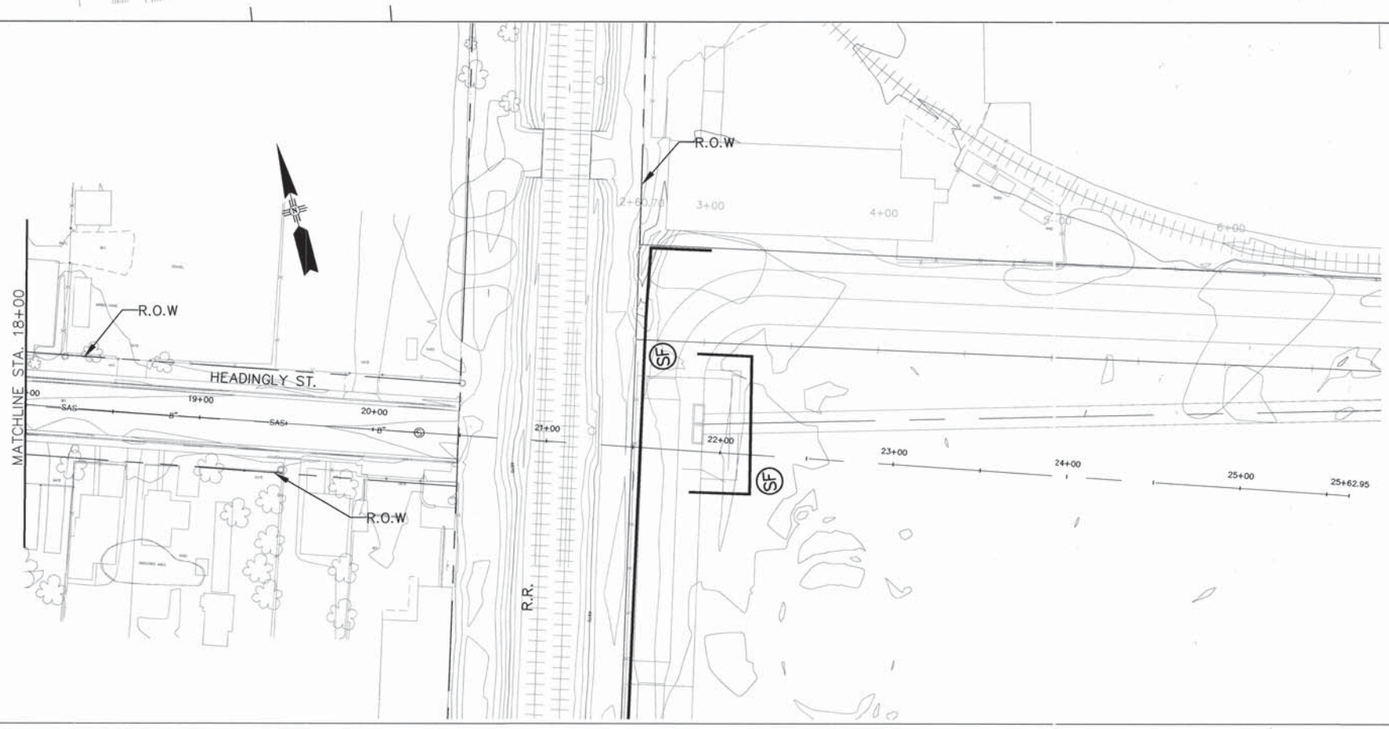

GRAPHIC SCALE

40 0 20 40 80

(IN FEET)
1 inch = 40 ft.

GENERAL NOTES:

1. SLOPE LIMITS DEFINE AREA OF DISTURBANCE

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

TEMPORARY EROSION & SEDIMENT CONTROL PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	2-25

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER

WORK STAKED BY SOUDER MILLER 3/08 DATE

INSPECTOR'S FIELD NOTES BY B.C.PWD 1/09 DATE

FIELD CHANGES BY B.C.PWD 1/09 DATE

VERIFICATION BY B.C.PWD 1/09 DATE

AS BUILT CORRECTED BY P.B. 5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.

NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCHANAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 7/7/07

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	JB	DATE 8/1/07
DRAWN BY	VC	DATE 8/1/07
CHECKED BY		DATE 8/1/07

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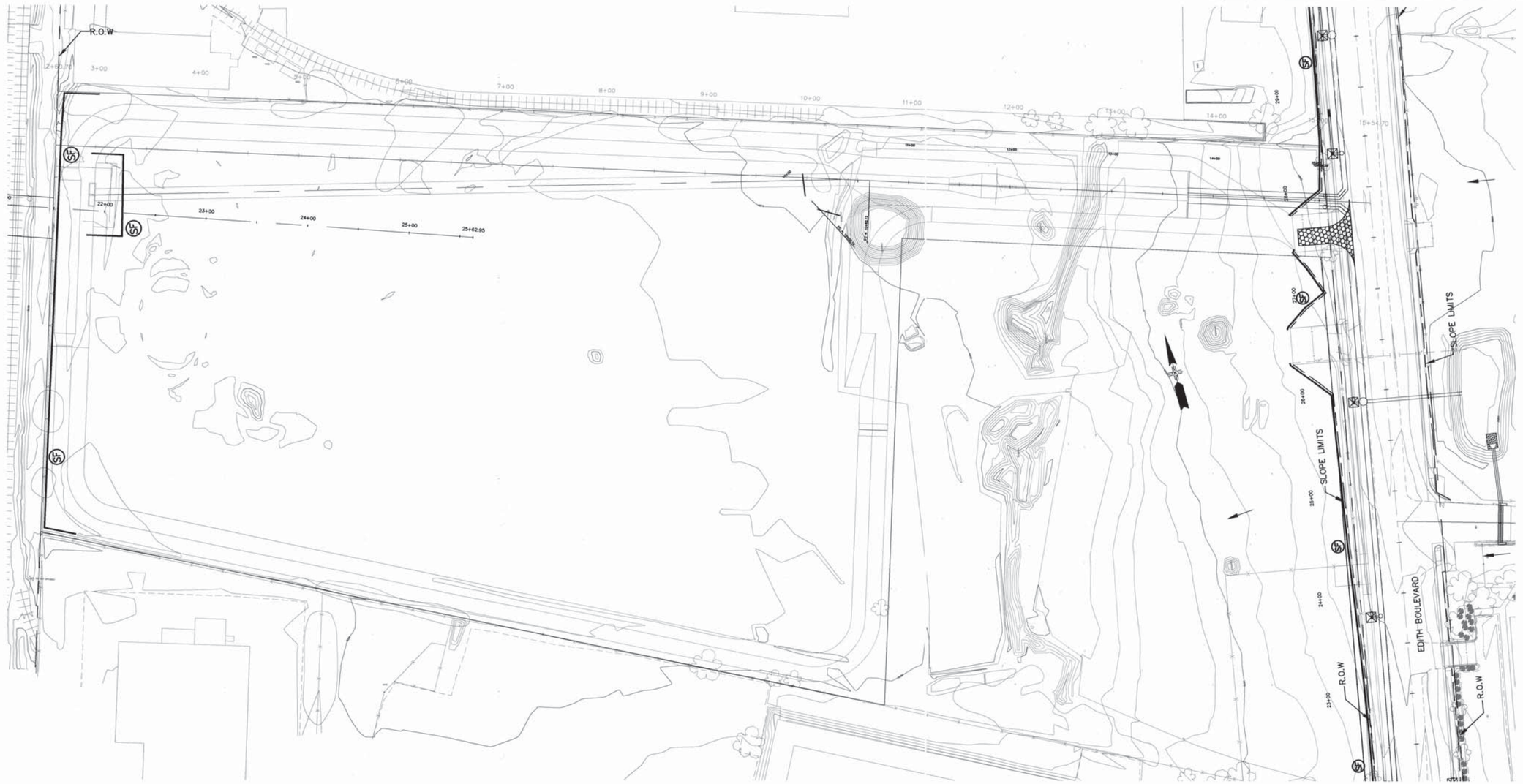

GENERAL NOTES:

1. SLOPE LIMITS DEFINE AREA OF DISTURBANCE

RECORD DRAWING

GRAPHIC SCALE

50 0 15 50 100

(IN FEET)
1 inch = 50 ft.

SURVEY INFORMATION		
FIELD NOTES		
NO.	BY	DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION	
CONTRACTOR	A.S. HORNER
WORK STAKED BY	SNYDER MILLER 3/09 DATE
INSPECTION'S MAINTENANCE BY	BCPWD 1/09 DATE
FIELD VERIFICATION BY	BCPWD 1/09 DATE
DRAWINGS CORRECTED BY	P.B. 5/09 DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

ENGINEER'S SEAL

JAMES H. BUCHANAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
7/31/07

NO.	DATE	REMARKS	DESIGN		
			DESIGNED BY	JB	DATE 8/1/07
			DRAWN BY	VC	DATE 8/1/07
			CHECKED BY		DATE 8/1/07

Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

TEMPORARY EROSION & SEDIMENT CONTROL PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	2-26

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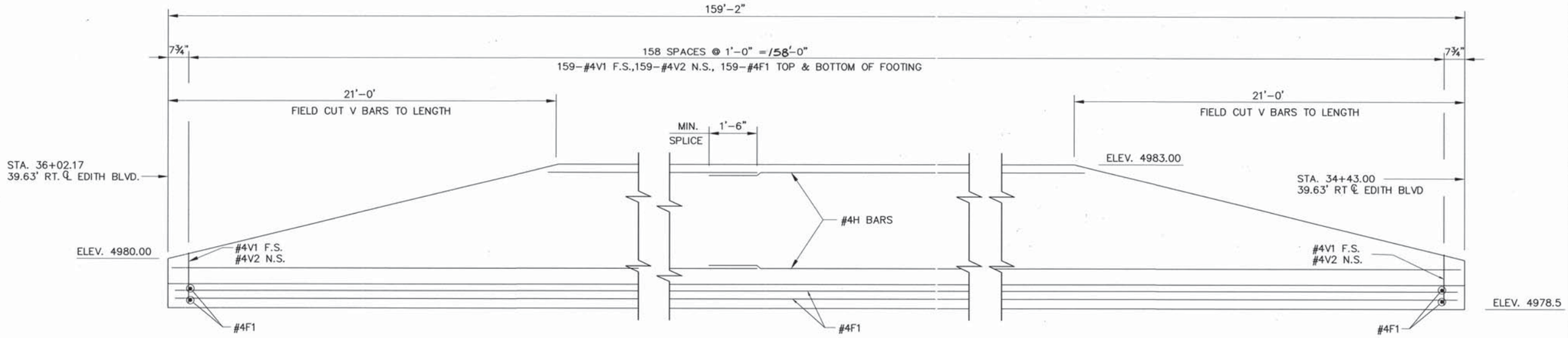
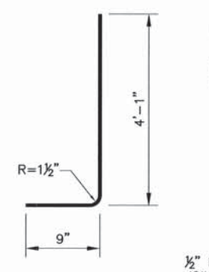


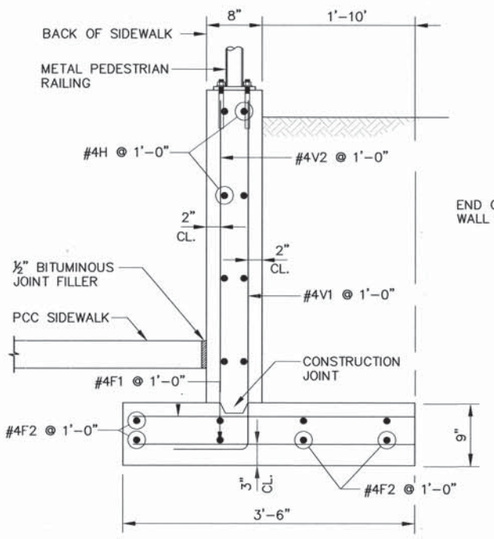
ELEVATION

LEGEND

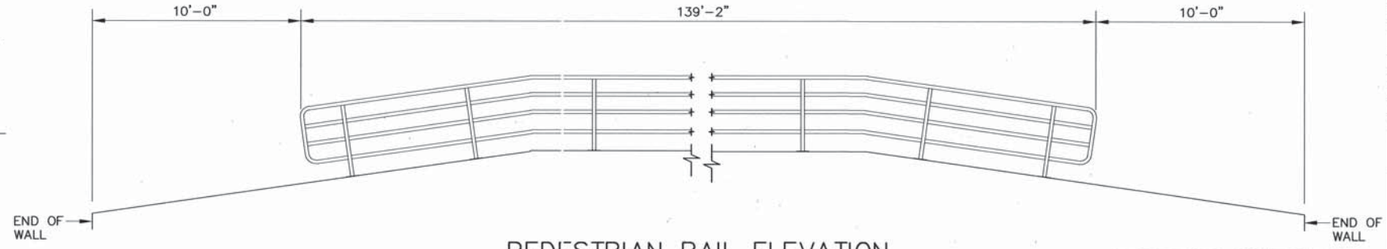
F.S. = FAR SIDE
N.S. = NEAR SIDE



#4V1 BAR



WALL SECTION



PEDESTRIAN RAIL ELEVATION

NOTES:
1. CONCRETE TO BE CLASS A.
2. REINFORCING BARS TO BE GRADE 60.
3. SEE TAHOE DRIVE RETAINING WALL DRAWINGS FOR DETAIL OF PEDESTRIAN RAILING (SHEET 2-29)

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
210000	STRUCTURE EXCAVATION	CU. YD.	100
515000	REINFORCED CONCRETE FOR MINOR STRUCTURES	CU. YD.	30
643100	METAL RAILING, PEDESTRIAN	LIN. FT.	139.17

RECORD DRAWING

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY Souder Miller & DATE
INSPECTORS FIELD CHANGES BY BCPUD 1/09 DATE
FIELD VERIFICATION BY BCPUD 1/09 DATE
DRAWING CORRECTED BY PB, 5/09 DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JAMES H. BUCHANAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/1/07

NO.	DATE	REMARKS	BY
DESIGNED BY		JB	DATE 8/1/07
DRAWN BY		RJ	DATE 8/1/07
CHECKED BY		NA	DATE 8/1/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
RETAINING WALL AT STATION 35+00 RT

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 2-27

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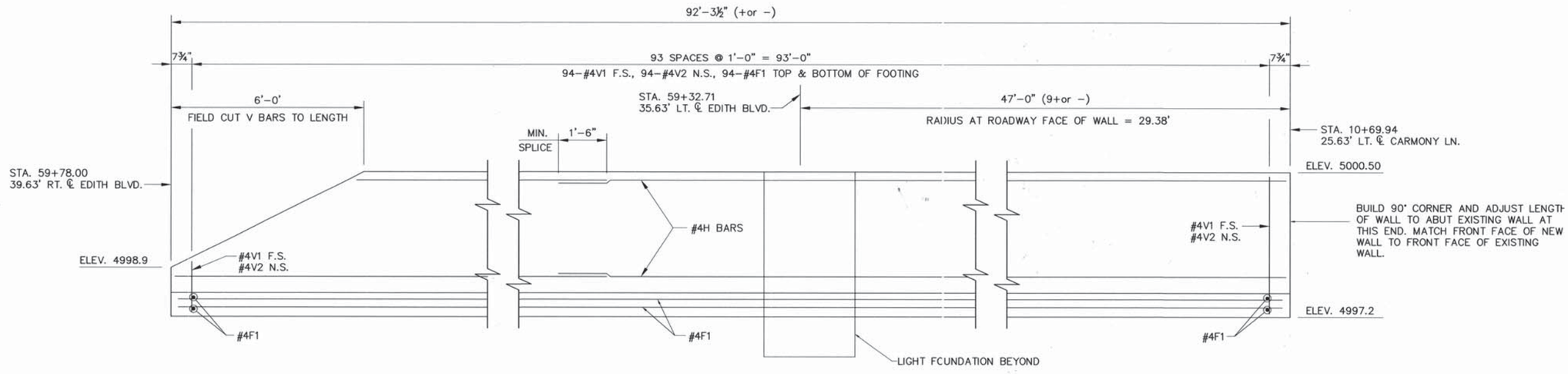
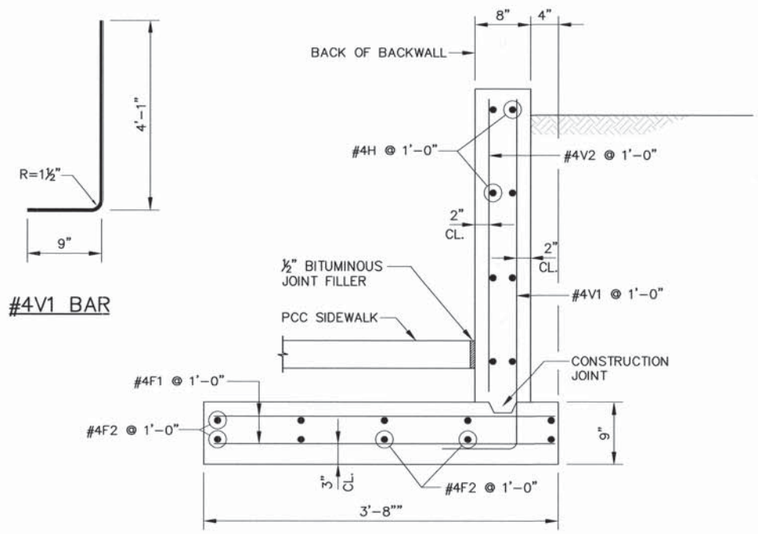


ELEVATION

LEGEND

F.S. = FAR SIDE
N.S. = NEAR SIDE



#4V1 BAR

WALL SECTION

NOTES:
1. CONCRETE TO BE CLASS A.
2. REINFORCING BARS TO BE GRADE 60.

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
210000	STRUCTURE EXCAVATION	CU. YD.	50
515000	REINFORCED CONCRETE FOR MINOR STRUCTURES	CU. YD.	16

RECORD DRAWING

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK INSPECTED BY SNYDER MILLER 1/09 DATE
INSPECTION'S FIELD ADVICE BY BCPWD 1/09 DATE
VERIFICATION BY BCPWD 1/09 DATE
PLANIMETRICS CORRECTED BY P.B. 6/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet. ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 4/1/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY	JB
		DRAWN BY	RJ
		CHECKED BY	NA
		DATE	8/1/07
		DATE	8/1/07
		DATE	8/1/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
CARMONY LANE RETAINING WALL DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	2-28

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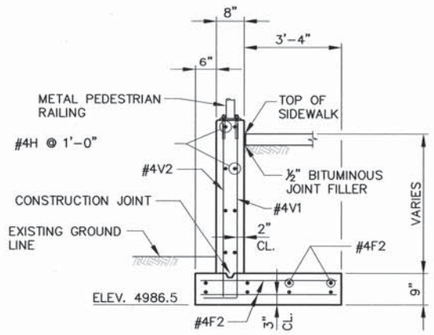
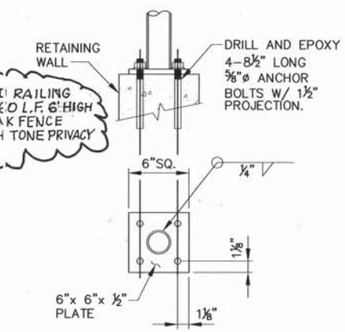


WALL SECTION

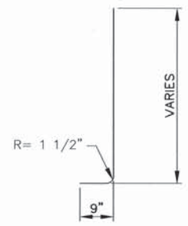
ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	RIGHT SIDE WALL	LEFT SIDE WALL	TOTAL
210000	STRUCTURE EXCAVATION	CU. YD.	60	60	120
515000	REINFORCED CONCRETE FOR MINOR STRUCTURES	CU. YD.	27	27	54
~~543100~~	~~METAL RAILING, PEDESTRIAN~~	~~LIN. FT.~~	~~130.33~~	~~130.33~~	~~260.66~~
543100	METAL RAILING, PEDESTRIAN	LIN. FT.	130.33	130.33	260.66

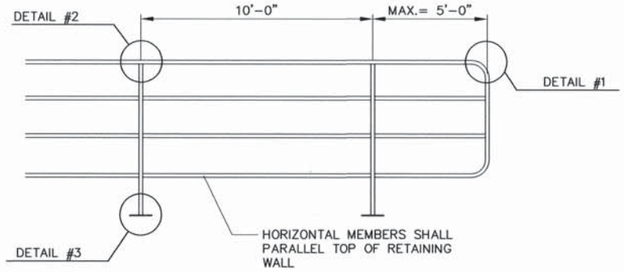
DELETED RAILING ADDED 260 L.F. 6' HIGH CHAIN LINK FENCE W/EARTH TONE PRIVACY SLATS.



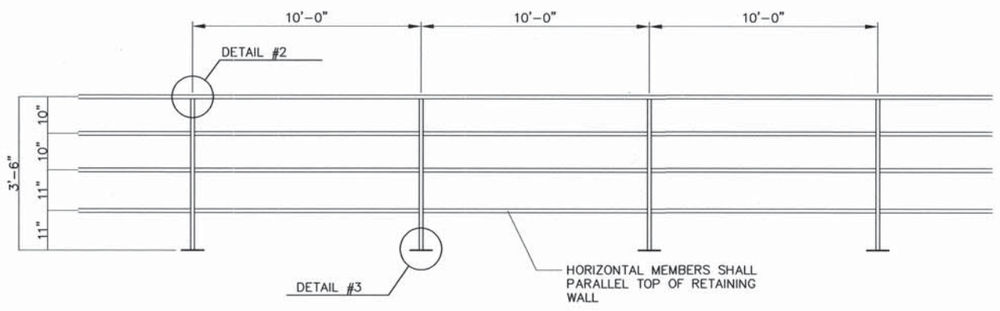
DETAIL #3



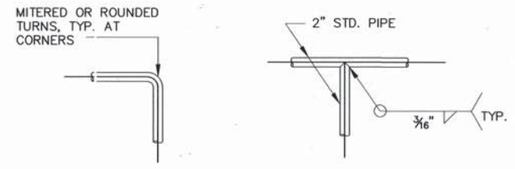
#4V1 BAR



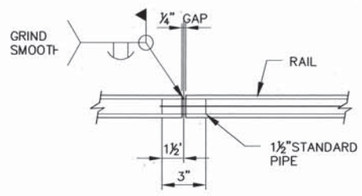
END SECTION



MIDDLE SECTION



DETAIL #1 DETAIL #2



RAIL SPLICE DETAIL

RAILING DETAIL

NOTES:

1. CONCRETE SHALL BE CLASS A. CAMFER EXPOSED EDGES OF STRUCTURES 3/4".
2. REINFORCING BARS SHALL BE GRADE 60.
3. METAL RAILING IS TO BE PAINTED IN ACCORDANCE WITH SECTION 545 OF THE NMDOT STANDARD SPECIFICATIONS. THE COLOR IS TO BE SPECIFIED BY THE PROJECT MANAGER.

RECORD DRAWING

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNIDER MILLER 7/08 DATE
INSPECTORS FIELD CHANGE BY BCPWD 7/09 DATE
FIELD VERIFICATION BY BCPWD 7/09 DATE
CORRECTED BY P.B. MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES BY DATE

NO.	DATE	REMARKS	BY
1	04/09	DELETED RAILING, ADDED 6' HIGH CHAIN LINK F. YRV	

DESIGN
DESIGNED BY JB DATE 8/1/07
DRAWN BY RJ DATE 8/1/07
CHECKED BY NA DATE 8/1/07

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 4/1/09

PB Parsons Brinckerhoff

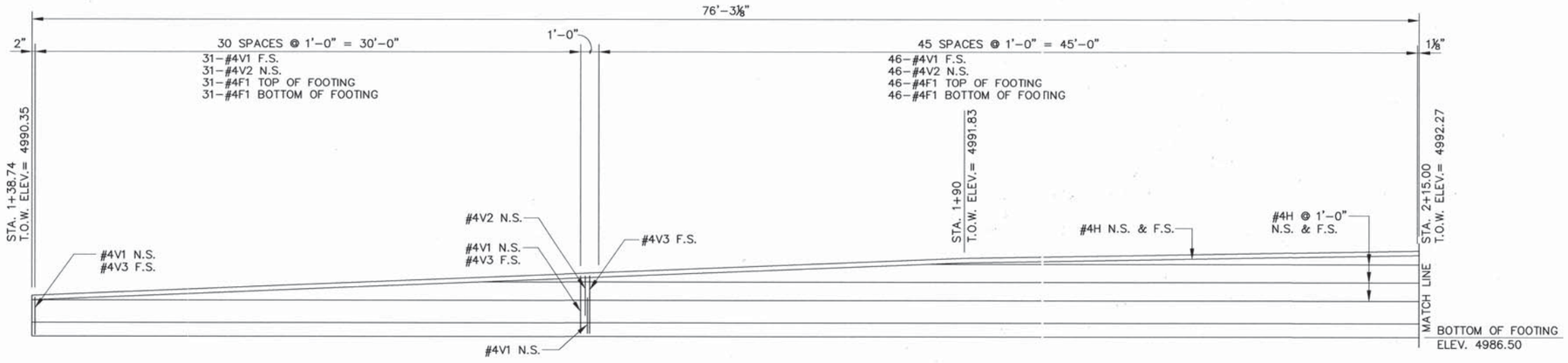
COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

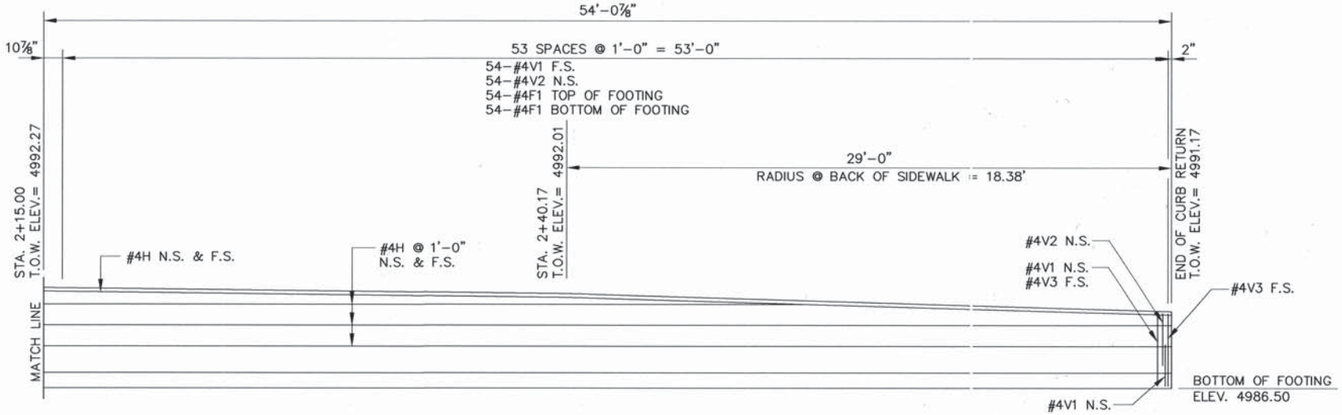
EDITH BLVD. RECONSTRUCTION
TAHOE DRIVE RETAINING WALL DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 2-29

G:\33588_Edith\04 Engineering\Plans\Section 2\TAHOE DRIVE.dwg 8/3/2007 1:33:16 PM MDT





LEGEND

F.S. = FAR SIDE
N.S. = NEAR SIDE

LEFT SIDE WALL ELEVATION
LOOKING WEST

RECORD DRAWING

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNYDER MILLER 7/8 DATE
INSPECTIONS PERFORMANCE BY B&PWD 1/09 DATE
FIELD VERIFICATION BY B&PWD 1/09 DATE
DRAWINGS CORRECTED BY P.B. 3/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCHMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 7/17/07

NO.	DATE	REMARKS	BY
		DESIGN	
DESIGNED BY		JB	8/1/07 DATE
DRAWN BY		RJ	8/1/07 DATE
CHECKED BY		NA	8/1/07 DATE

PB Parsons Brinckerhoff

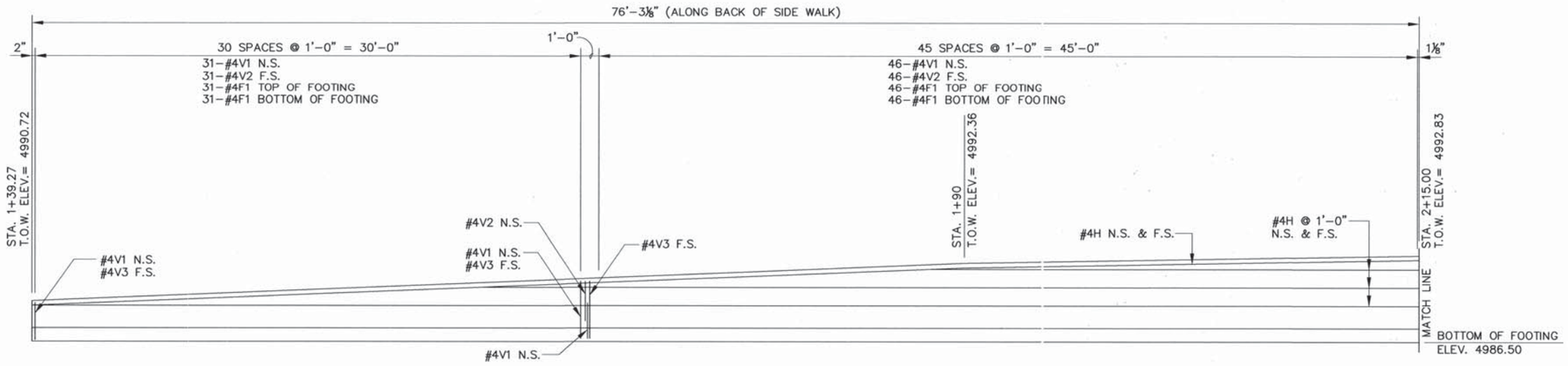
COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

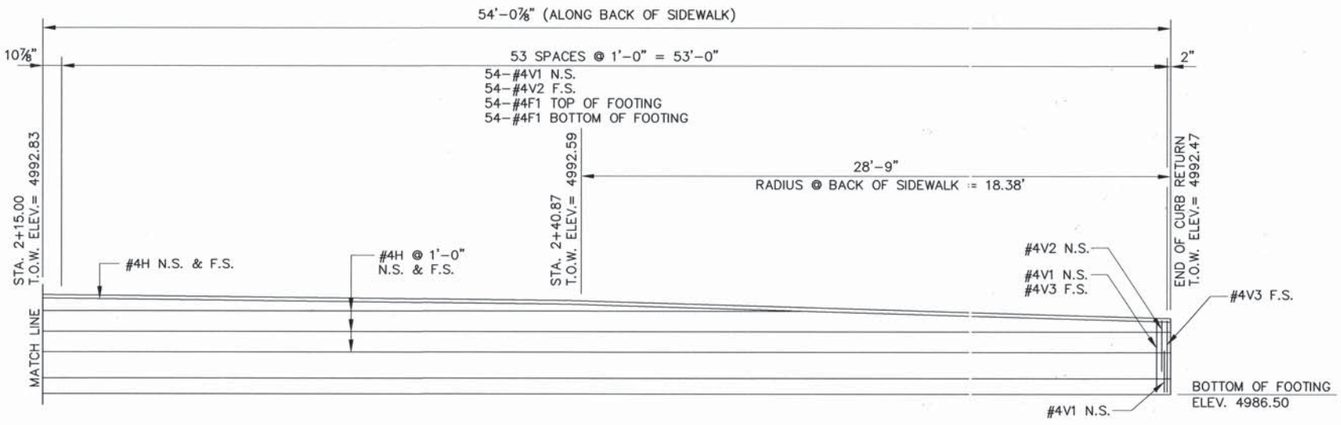
EDITH BLVD. RECONSTRUCTION
TAHOE DRIVE RETAINING WALL DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	2-30

G:\33588_Edith\04 Engineering\Plans\Section 2\TAHOE-LEFT.dwg 8/3/2007 1:33:51 PM MDT





RIGHT SIDE WALL ELEVATION
LOOKING WEST

LEGEND

F.S. = FAR SIDE
N.S. = NEAR SIDE

RECORD DRAWING

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNYDER MILLER DATE 1/09
INSPECTOR'S ACCEPTANCE BY BCPWD DATE 1/09
VERIFICATION BY BCPWD DATE 3/09
CORRECTIONS CORRECTED BY P.B. DATE 5/09
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY JB	DATE 8/1/07
		DRAWN BY RJ	DATE 8/1/07
		CHECKED BY NA	DATE 8/1/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TAHOE DRIVE RETAINING WALL DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	2-31

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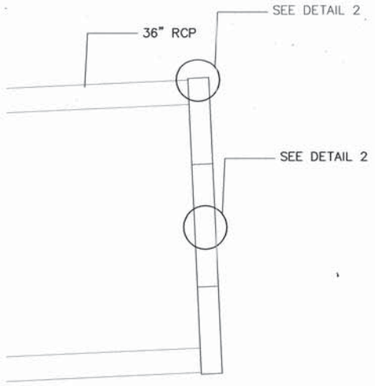
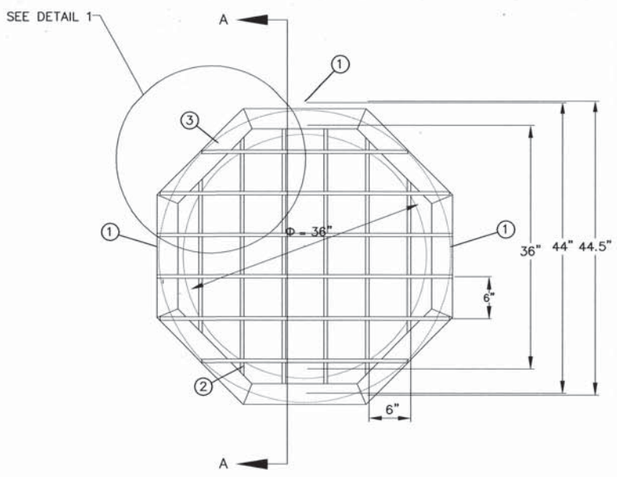
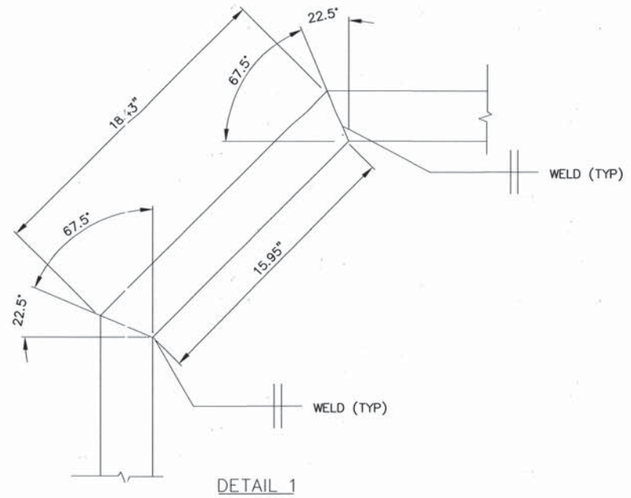


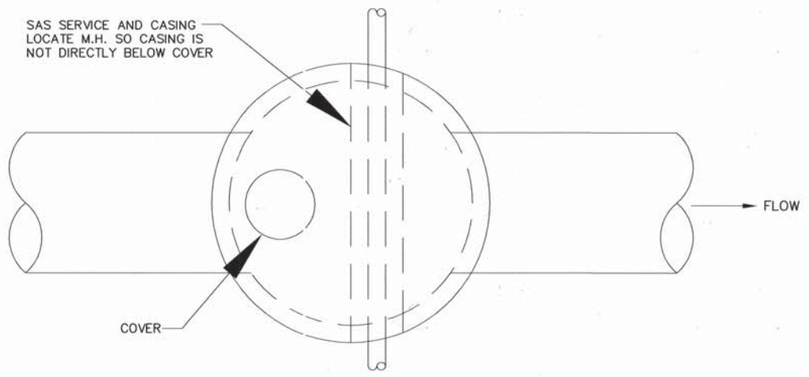
SECTION A–A
SCALE: 1"=20"



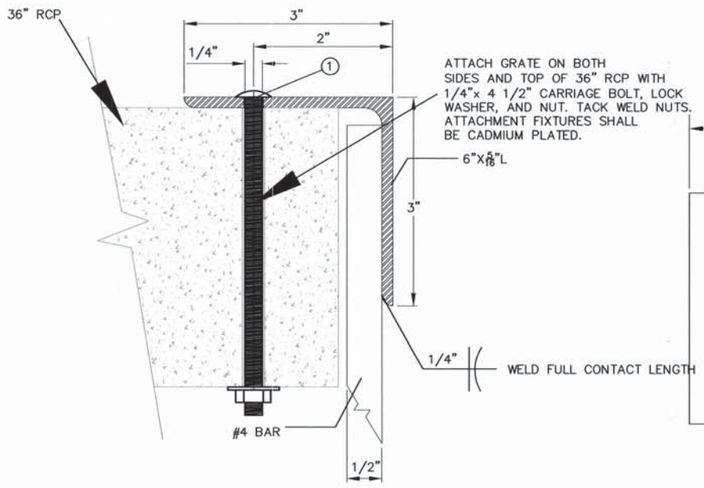
STORM DRAIN GRATE DETAIL
SCALE: 1"=10"
(GRATE IS INCIDENTAL TO PIPE)



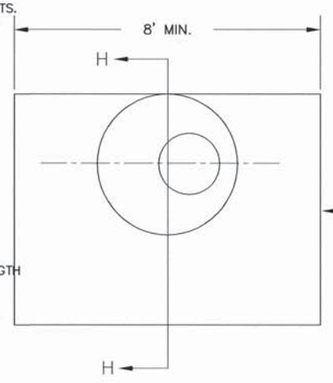
DETAIL 1
SCALE: 1"=4"



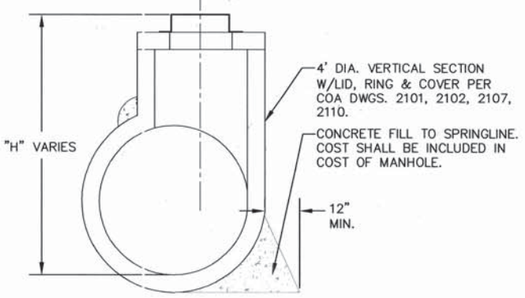
SAS SERVICE THROUGH
MANHOLE PLAN
NTS



DETAIL 2
SCALE: 1"=1"



PLAN
NTS



SECTION H–H
NTS

PRECAST TEE PIPE MANHOLE

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'

LEGEND

1. 5/16" Ø DRILL HOLE FOR ATTACHMENT
2. VERTICAL BARS WELDED TO INSIDE OF FRAMES
3. HORIZONTAL BARS WELDED TO OUTSIDE OF FRAMES

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNIDER MILLER 3/09 DATE
INSPECTORS ACCEPTANCE BY BCPWD 3/09 DATE
VERIFICATION BY BCPWD 3/09 DATE
CORRECTED BY P.B. 3/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", epoxied to top of concrete drop inlet, ENE. quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCHAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
8/1/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY	DATE 08/01/07
		DRAWN BY	DATE 08/01/07
		CHECKED BY	DATE 08/01/07

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
STORM DRAIN DETAILS

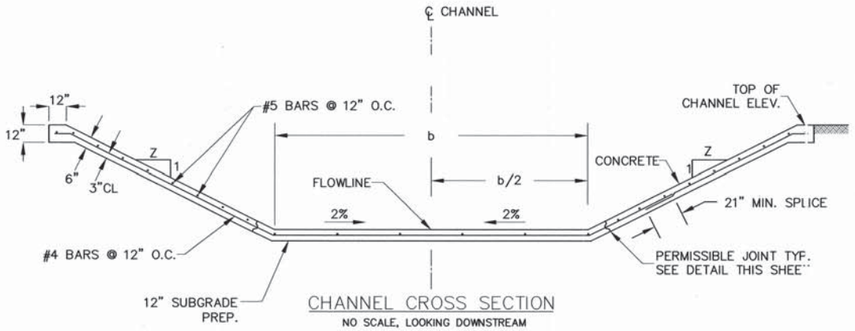
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	2-32

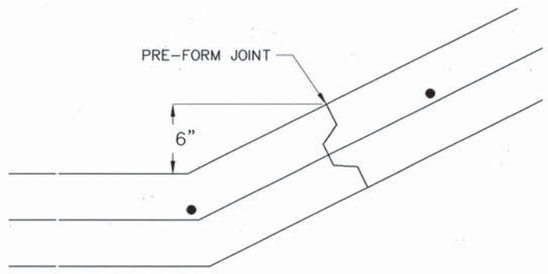
G:\33588_Edith\04 Engineering\Plans\Section 3\3 DRN_DetPond-1.dwg 8/2/2007 11:28:49 AM MDT

DIMENSIONS

LOCATION	b	Z
POND 1	12'	2
ALAMEDA LATERAL	5' NOMINAL	1.5

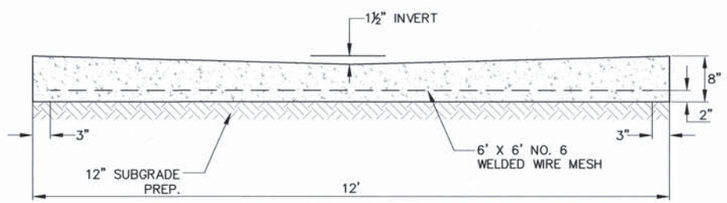


CHANNEL CROSS SECTION
NO SCALE, LOOKING DOWNSTREAM



JOINT DETAIL

NOTE: CONCRETE SHALL BE PAID FOR UNDER ITEM NO. 515000, REINFORCED CONCRETE FOR MINOR STRUCTURES



LOW FLOW CHANNEL
CROSS SECTION

NOTE: CONCRETE SHALL BE PAID FOR UNDER ITEM NO. 609600, CONCRETE VALLEY GUTTER

CONSTRUCTION NOTES:

1. CONCRETE SHALL BE CLASS A
2. REBAR SHALL BE GRADE 60

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SOMER MILLER 7/9 DATE
INSPECTORS ACCEPTANCE BY B&PWD 7/9 DATE
VERIFICATION BY B&PWD 7/9 DATE
CORRECTED BY P.B. 8/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", spouted to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCHANAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 7/11/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY	DATE 08/01/07
		DRAWN BY	DATE 08/01/07
		CHECKED BY	DATE 08/01/07

RECORD DRAWING

PB Parsons Brinckerhoff

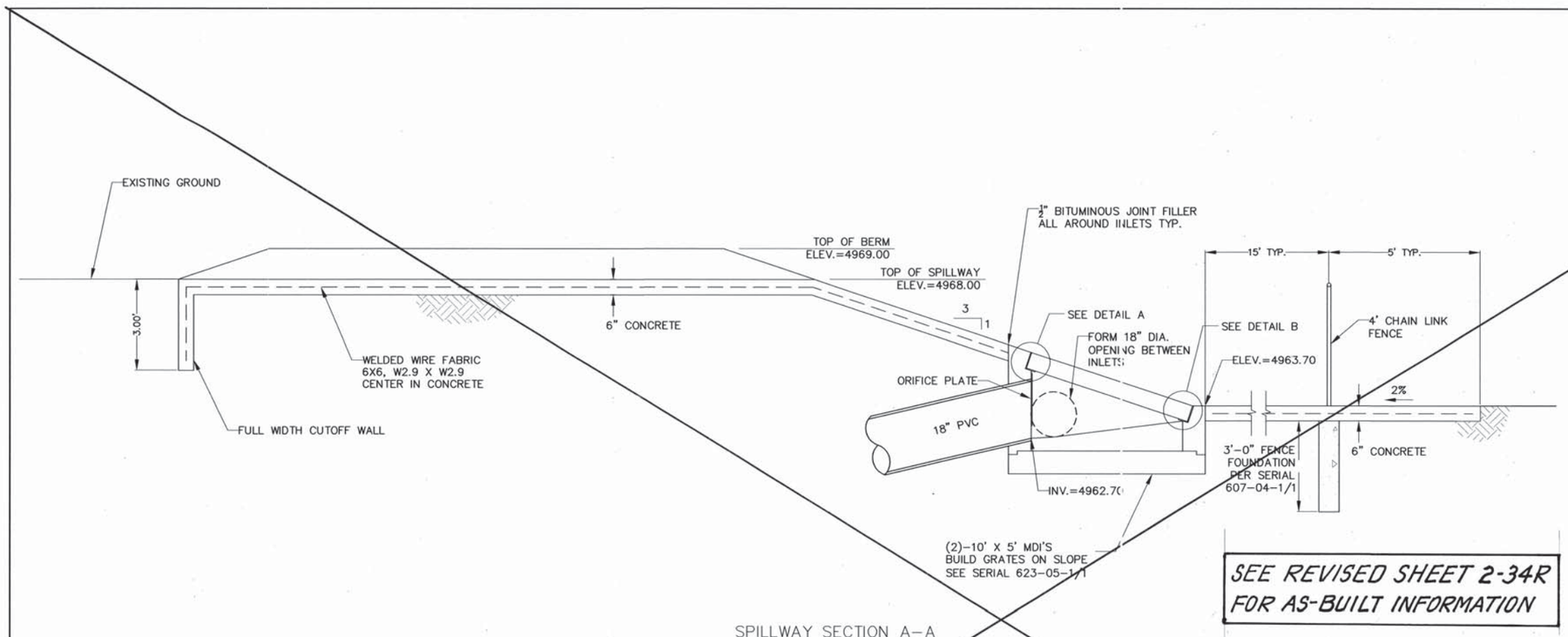
COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
STORM DRAIN DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	2-33

G:\33588_Edith\04 Engineering\Plans\Section 3\3 DRN_DetPond-1.dwg 8/2/2007 11:28:49 AM MDT

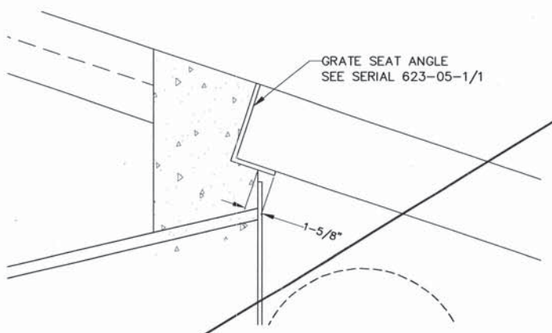


SPILLWAY SECTION A-A
NO SCALE

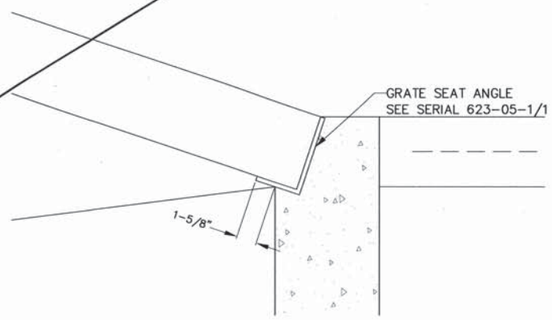
SEE REVISED SHEET 2-34R
FOR AS-BUILT INFORMATION

CONSTRUCTION NOTES:

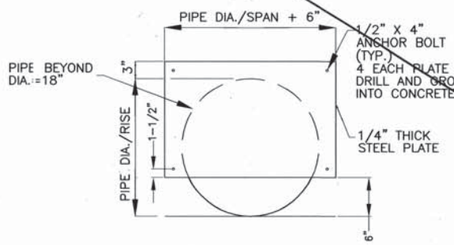
1. CONCRETE SHALL BE CLASS A, PAID UNDER ITEM 515000, REINFORCED CONCRETE FOR MINOR STRUCTURES.
2. REBAR SHAL BE GRADE 60



DETAIL A



DETAIL B



ORIFICE PLATE DETAIL
NOT TO SCALE

NOTE: COST OF PLATE SHALL BE INCIDENTAL TO THE COST OF THE DRAINAGE STRUCTURE.

AS BUILT INFORMATION

CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTOR'S FIELD CHANGES BY — DATE
VERIFICATION BY — DATE
CORRECTED BY — DATE

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
8/1/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY — DATE	08/01/07
		DRAWN BY — DATE	08/01/07
		CHECKED BY — DATE	08/01/07

RECORD DRAWING

PB Parsons Brinckerhoff

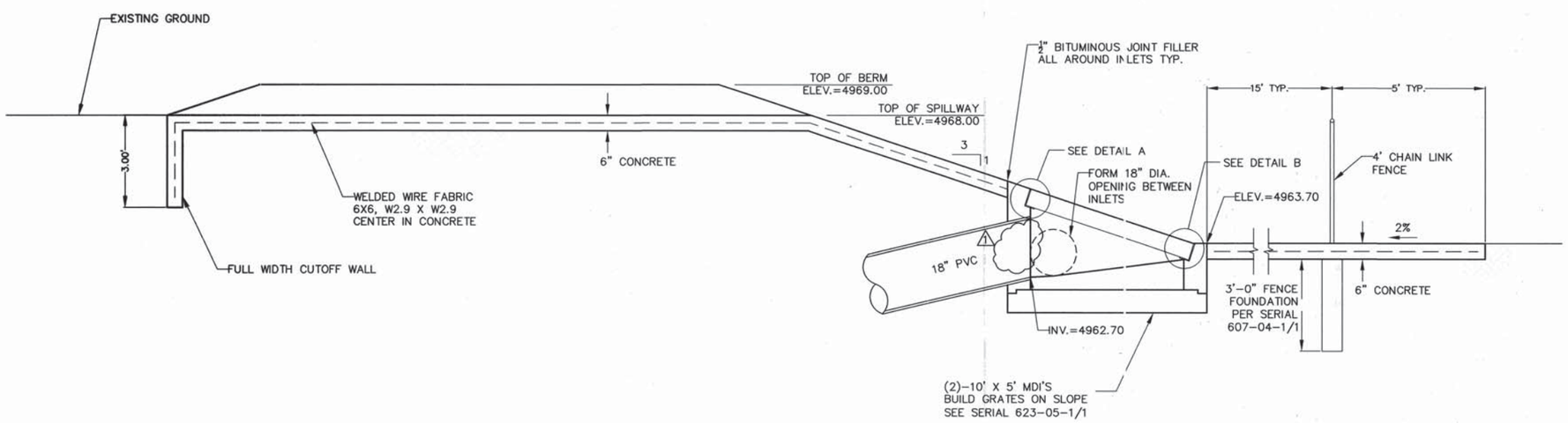
COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
STORM DRAIN DETAILS

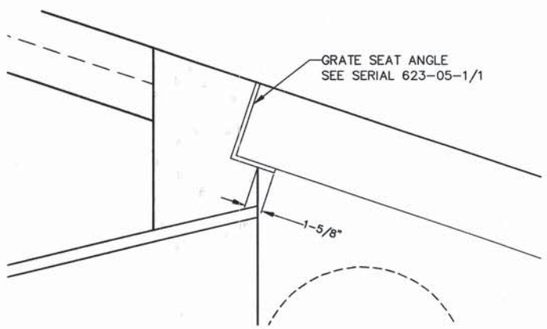
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	2-34

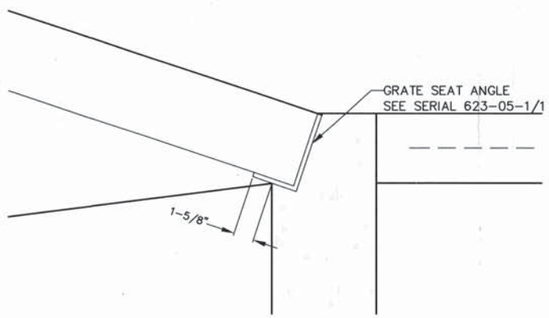
G:\33588_Edith\04 Engineering\Plans\Section 3\3 DRN_DetPond-1.dwg 8/2/2007 11:28:49 AM MDT



SPILLWAY SECTION A-A
NO SCALE



DETAIL A



DETAIL B

CONSTRUCTION NOTES:

1. CONCRETE SHALL BE CLASS A, PAID UNDER ITEM 515000, REINFORCED CONCRETE FOR MINOR STRUCTURES.
2. REBAR SHAL BE GRADE 60

THIS SHEET SUPERSEDES PREVIOUS SHEET.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", DATE
epoxied to top of concrete drop inlet, DATE
ENE quadrant of Montano Rd. & Edith Blvd. NE, DATE
centered on said drop inlet. DATE
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
STAKED BY SNYDER MILLER 1/09 DATE
INSPECTOR'S INITIALS BCPWD 1/09 DATE
FIELD ALTERATIONS BY BCPWD 1/09 DATE
VERIFICATION BY P.B. 5/09 DATE
CORRECTED BY P.B.
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	6/08	ORIFICE PL. DELETED	JB

DESIGN
DESIGNED BY DATE 08/01/07
DRAWN BY DATE 08/01/07
CHECKED BY DATE 08/01/07

RECORD DRAWING

PB Parsons Brinckerhoff

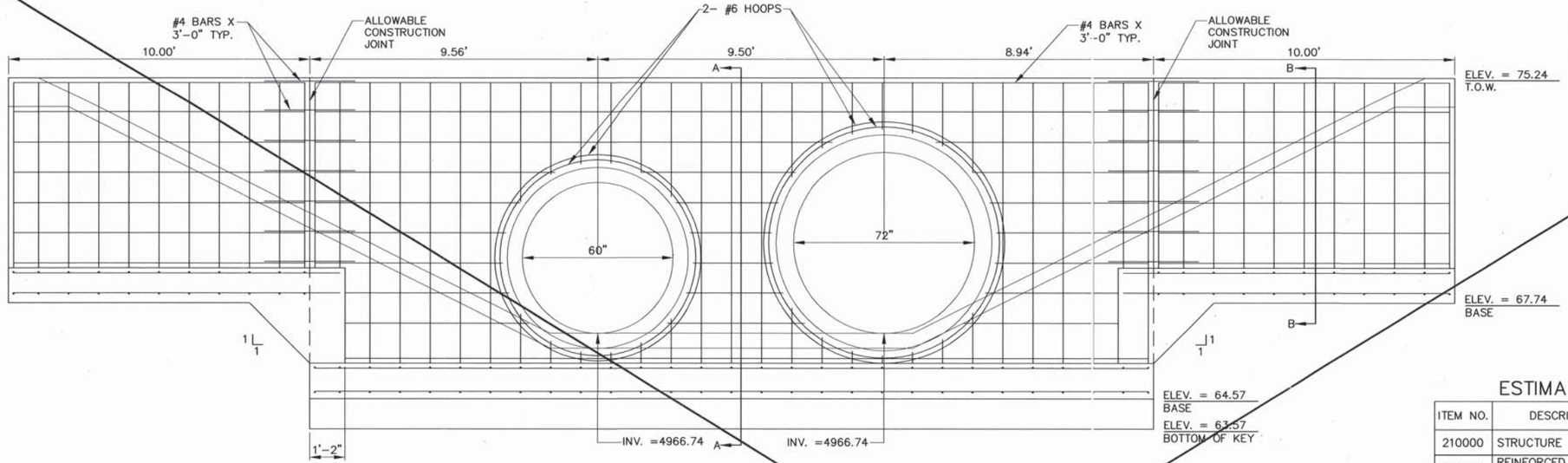
COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
STORM DRAIN DETAILS

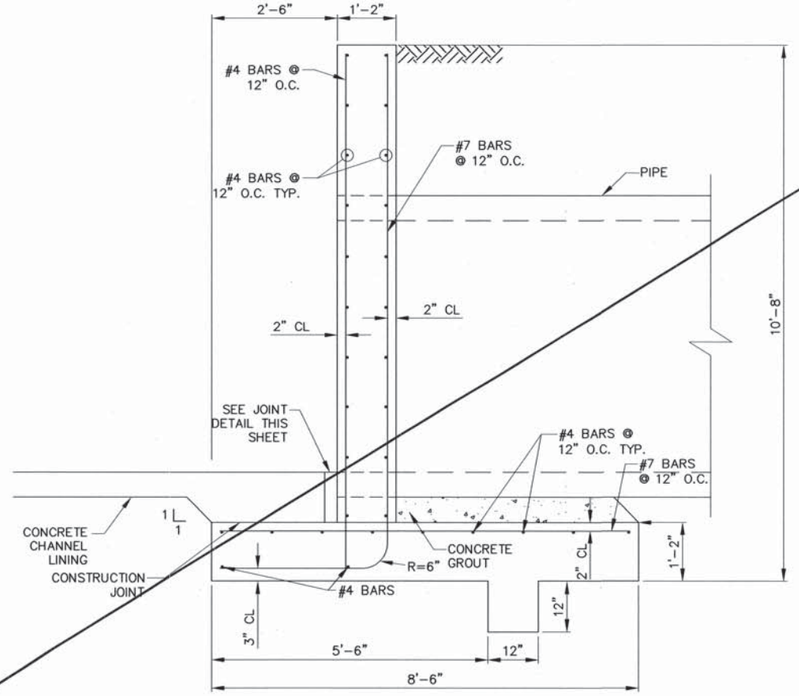
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 2-34R

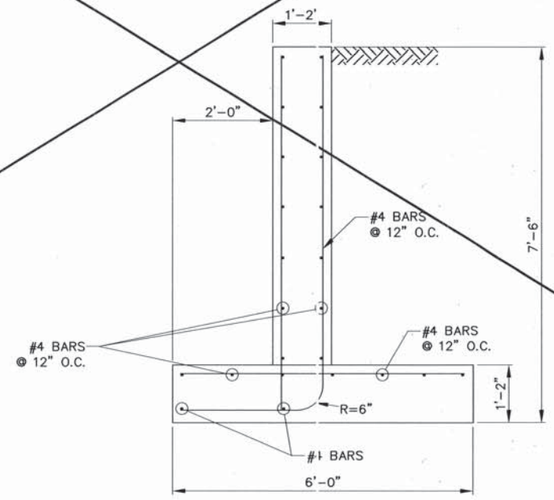
G:\33588_Edith\04 Engineering\Plans\Section 3\3 DRN_DetPond-1.dwg 4/2/2009 10:44:03 AM MDT



CONCRETE HEADWALL ELEVATION
1"=2'

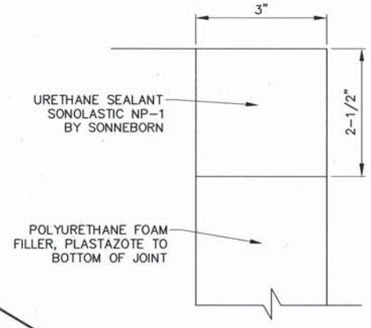


SECTION A–A
NO SCALE



SECTION B–B
NO SCALE

SEE REVISED SHEET 2-35R FOR AS-BUILT INFORMATION



JOINT DETAIL
NO SCALE

CONSTRUCTION NOTES:

1. CONCRETE SHALL BE CLASS A
2. REBAR SHALL BE GRADE 60

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
210000	STRUCTURE EXCAVATION	CU. YD.	300
515000	REINFORCED CONCRETE FOR MINOR STRUCTURES	CU. YD.	33

RECORD DRAWING

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
CORRECTED BY — DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", spoiled to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on solid drop inlet.
NGVD 29 Elev. = 4984.00'

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

SURVEY INFORMATION
FIELD NOTES — BY — DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCHAN — NEW MEXICO — 13062 — REGISTERED PROFESSIONAL ENGINEER — 8/1/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY — JHB — DATE	08/01/07
		DRAWN BY — PD — DATE	08/01/07
		CHECKED BY — DB — DATE	08/01/07

PB Parsons Brinckerhoff

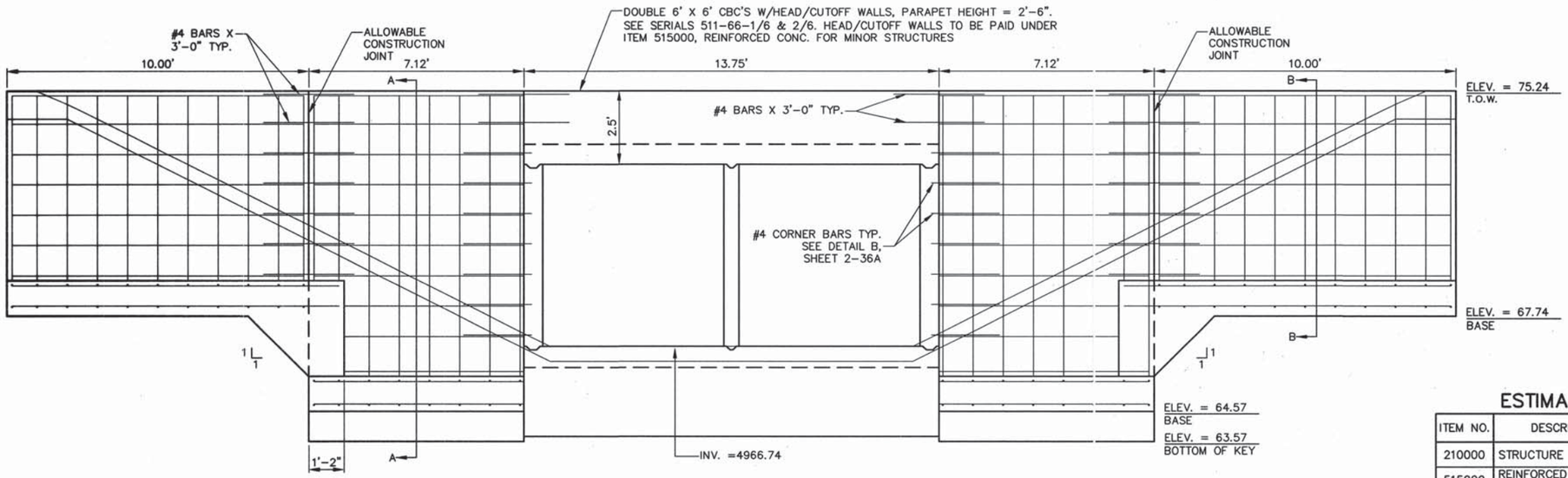
COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
STORM DRAIN DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

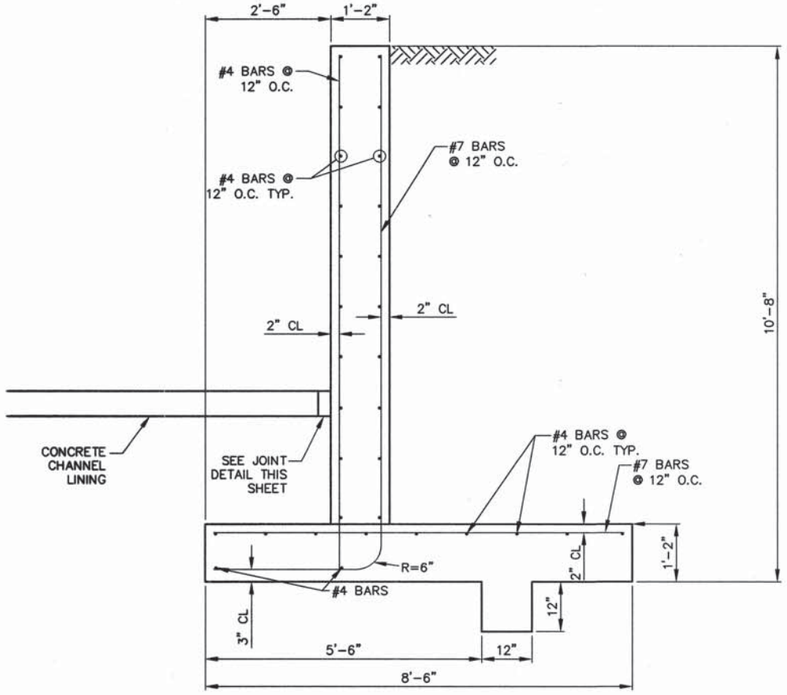
City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	2-35

G:\33588_Edith\04 Engineering\Plans\Section 3\3 DRN_ret_wall.dwg 8/2/2007 11:41:30 AM MDT



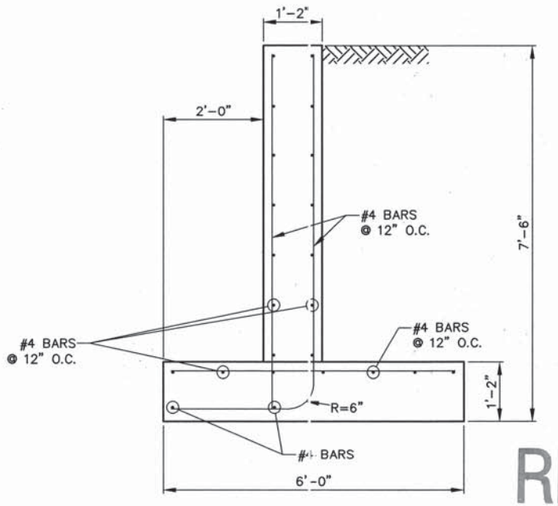
CONCRETE HEADWALL ELEVATION

1"=2'



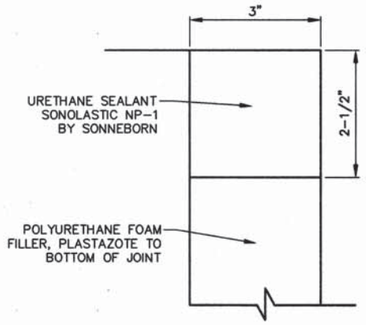
SECTION A-A

NO SCALE



SECTION B-B

NO SCALE



JOINT DETAIL

NO SCALE

CONSTRUCTION NOTES:

1. CONCRETE SHALL BE CLASS A
2. REBAR SHALL BE GRADE 60

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
210000	STRUCTURE EXCAVATION	CU. YD.	300
515000	REINFORCED CONCRETE FOR MINOR STRUCTURES	CU. YD.	28

RECORD DRAWING

THIS SHEET SUPERSEDES PREVIOUS SHEET.

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNIDER MILLER 7/08 DATE
INSPECTORS FIELD CHANGES JB&PWD 1/09 DATE
VERIFICATION OF FIELD CHANGES JB&PWD 4/09 DATE
CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

DESIGN
DESIGNED BY JHB DATE 08/01/07
DRAWN BY PD DATE 08/01/07
CHECKED BY DB DATE 08/01/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

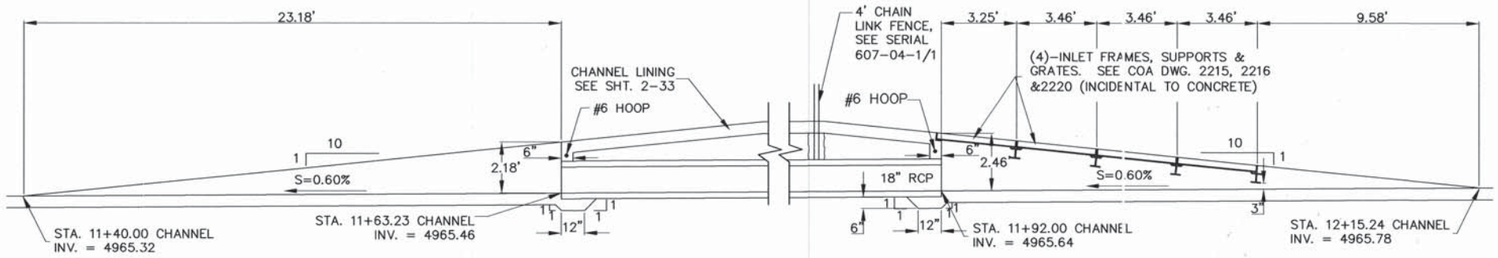
EDITH BLVD. RECONSTRUCTION
STORM DRAIN DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	NO./DAY/YR.	NO./DAY/YR.

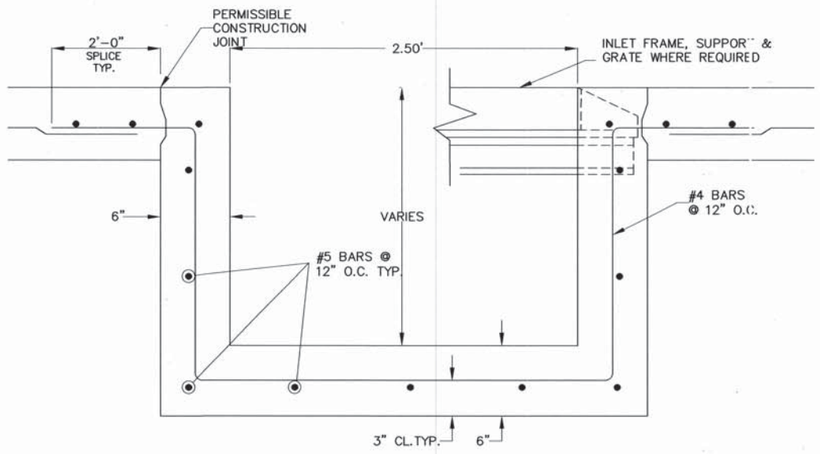
City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 2-35R

G:\33588_Edith\04 Engineering\Plans\Section 3\3 DRN_ret_wall-addendum 1.dwg 4/6/2009 4:04:46 PM MDT

ADDENDUM #1



CONCRETE LINED BERM
INLET & OUTLET PROFILE
NO SCALE



INLET & OUTLET SECTION
NO SCALE

CONSTRUCTION NOTES

1. CONCRETE SHALL BE CLASS "A"
2. REBAR SHALL BE GRADE 60.
3. PAID UNDER ITMEM NO 515000, REINFORCED CONCRETE FOR MINOR STRUCTURES.

RECORD DRAWING

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNIDER MILLER 3/08 DATE
INSPECTORS ACCEPTANCE BY BCPWD 1/09 DATE
VERIFICATION BY BCPWD 1/09 DATE
CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
(13062)
REGISTERED PROFESSIONAL ENGINEER
7/7/09

NO.	DATE	REMARKS	BY

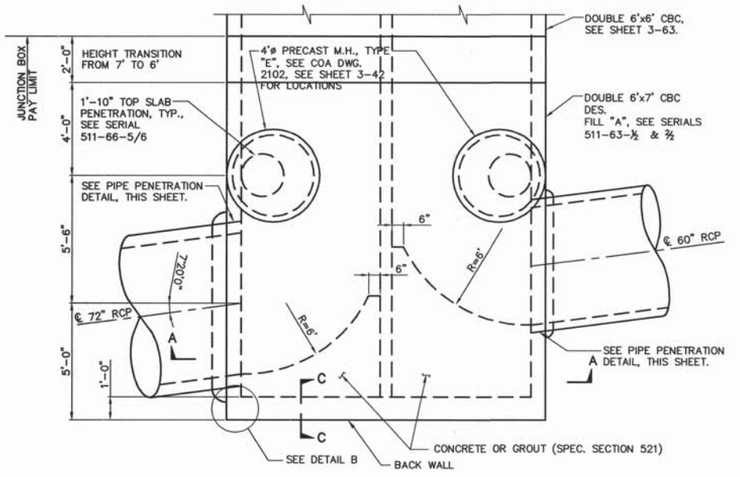
DESIGN
DESIGNED BY JHB DATE 7/07
DRAWN BY PLD DATE 7/07
CHECKED BY RAS DATE 7/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

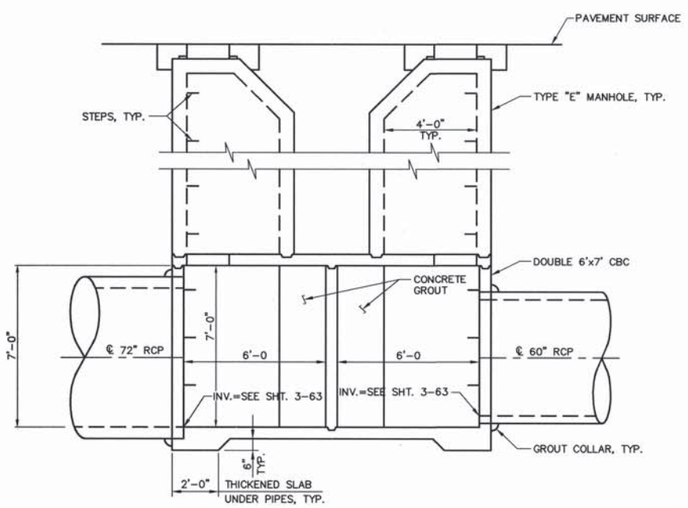
EDITH BLVD. RECONSTRUCTION
STORM DRAIN DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

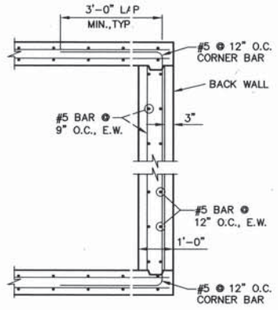
City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	2-36



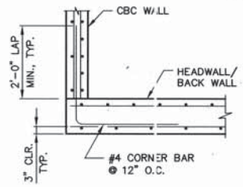
PLAN



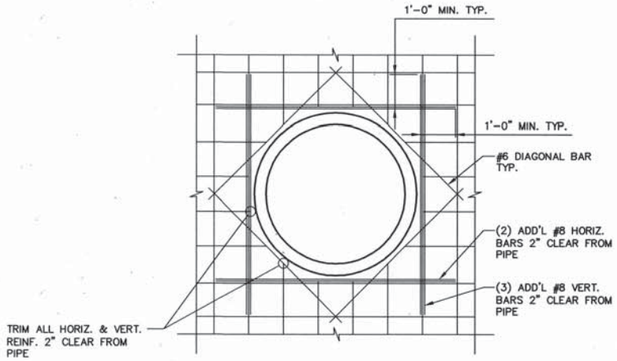
SECTION A-A



SECTION C-C



DETAIL B



PIPE PENETRATION DETAIL

GENERAL NOTES

1. ALL CONCRETE SHALL BE CLASS "A". CHAMFER ALL EXPOSED EDGES ¾"
2. ALL REINFORCING STEEL SHALL CONFORM TO AASHTO SPECIFICATION M-31 GRADE 60. ALL DIMENSIONS REFER TO THE CENTERLINE OF BAR. UNLESS NOTED OTHERWISE.

THIS IS A NEW SHEET ADDED TO THE JOB.

RECORD DRAWING

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
STAKED BY SOUDER MILLER 1/09 DATE
INSPECTION BY B.C. PWD 1/09 DATE
FIELD DEFICIENCIES BY B.C. PWD 5/09 DATE
CORRECTED BY P.B. DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY JB	DATE 8/1/07
		DRAWN BY RJ	DATE 8/1/07
		CHECKED BY MA	DATE 8/1/07

PB Persons and Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

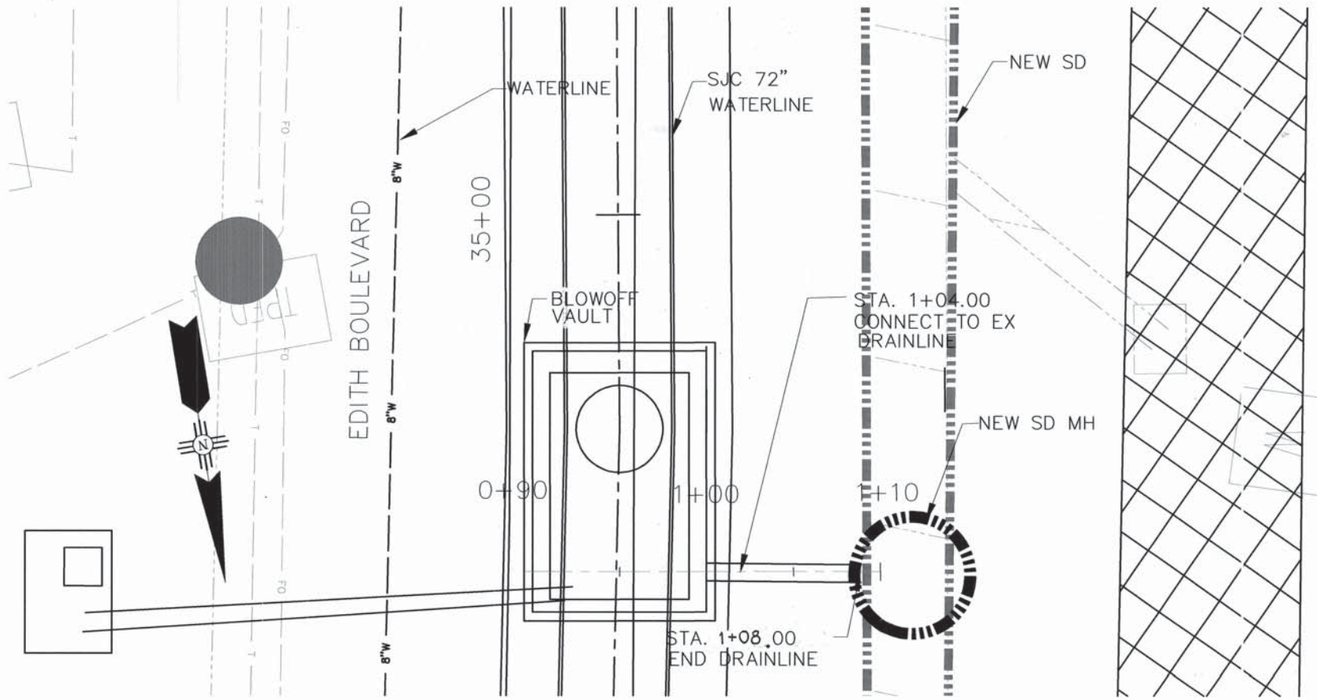
EDITH BLVD. RECONSTRUCTION
STORM DRAIN DETAILS

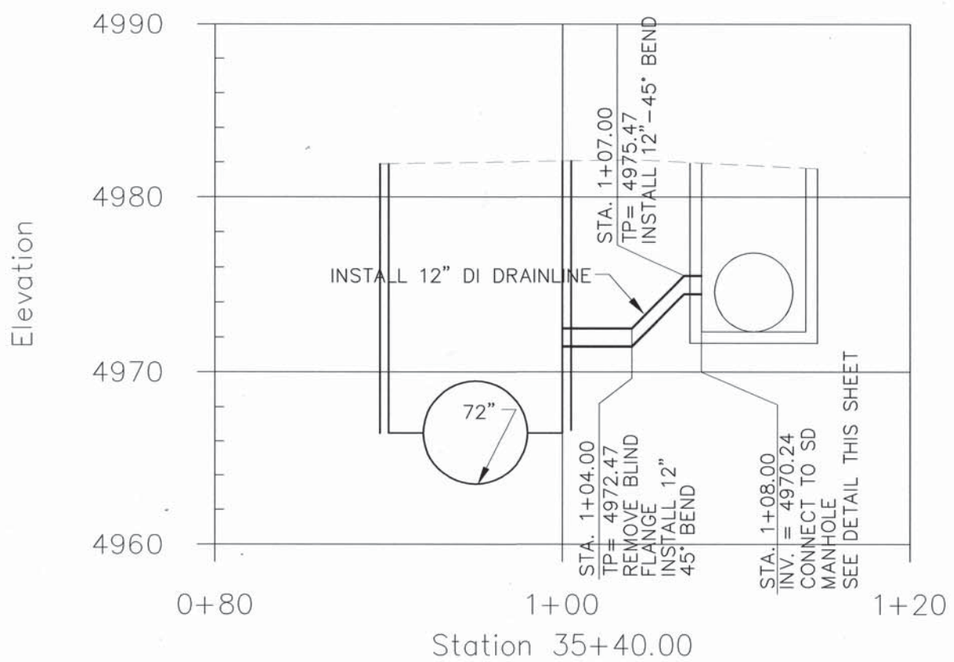
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

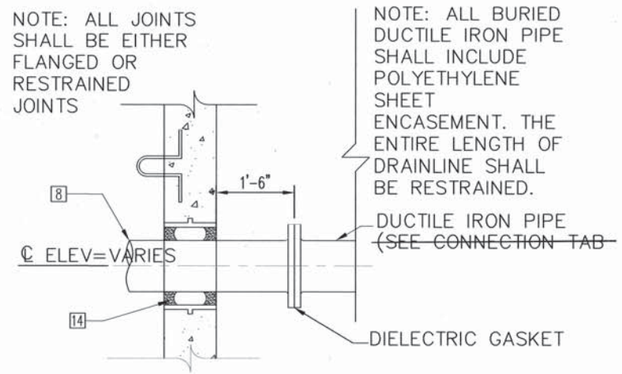
City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	2-36A

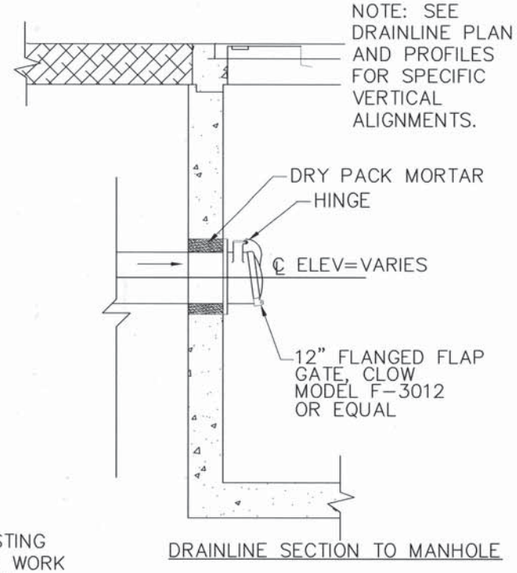
G:\33588_Edith\04 Engineering\Plans\Section 2\DETAILS.dwg 4/2/2009 10:55:37 AM MDT

ADDENDUM #1









DRAINLINE SECTION TO MANHOLE

CONSTRUCTION NOTE
TEST PIPING AT 250 PSI PRESSURE, INCLUDING EXISTING PIPING. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE SJC DRAIN LINE CONNECTION.

RECORD DRAWING

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNYDER MILLER 4/08 DATE
INSPECTORS FIELD FINAL BY BCPWD 1/09 DATE
VERIFICATION BY BCPWD 1/09 DATE
DRAWING CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCHANAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 4/17/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY	DATE 08/01/07
		DRAWN BY	DATE 08/01/07
		CHECKED BY	DATE 08/01/07

PB Parsons Brinckerhoff

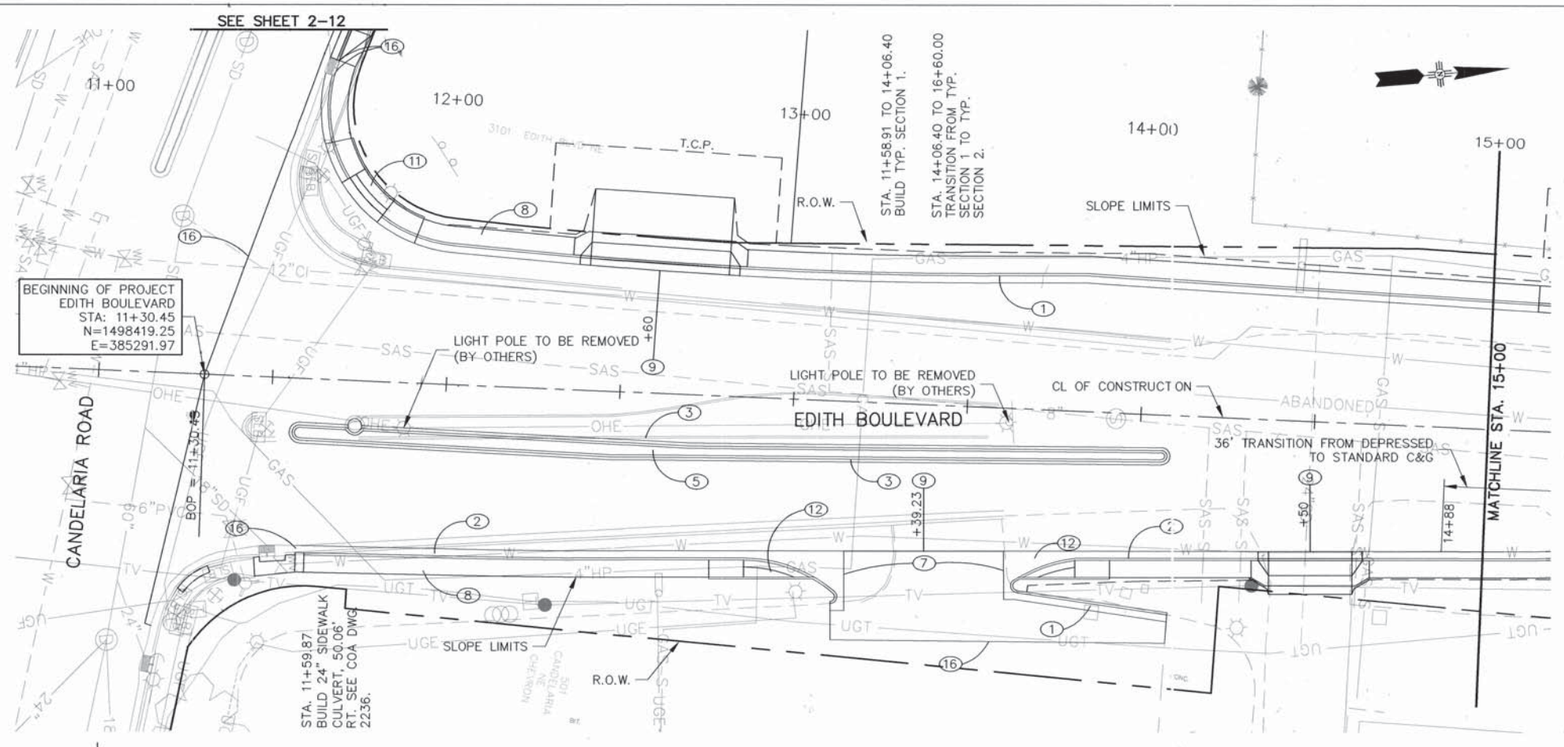
COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

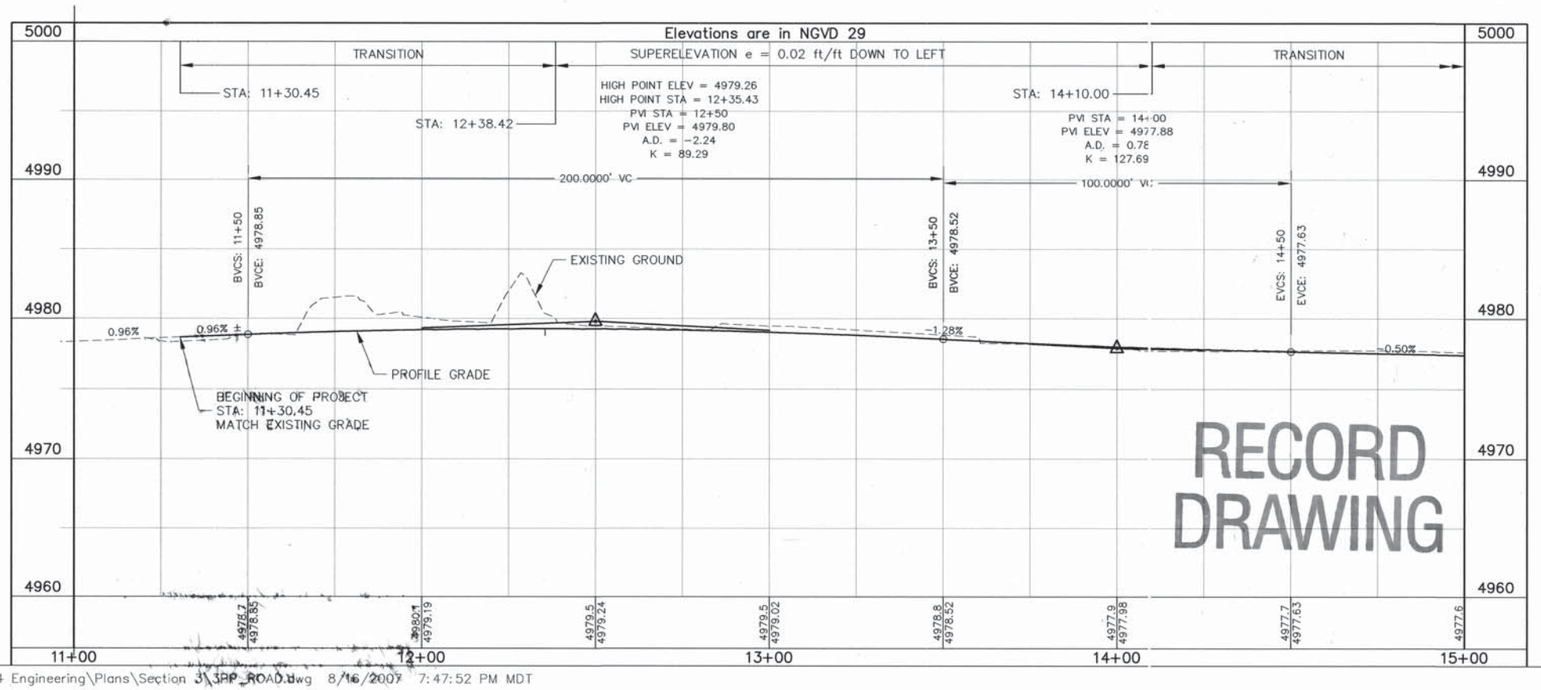
EDITH BLVD. RECONSTRUCTION
SJC DRAIN LINE CONNECTION DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 2-37

G:\33588_Edith\04 Engineering\Plans\Section 2\2-37 SJC DRAIN LINE CONNECTION.dwg 8/3/2007 1:35:58 PM MDT





GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. STATION AND OFFSETS FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
2. CURVE DATA FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.

KEYED NOTES:

1. BUILD STANDARD CURB & GUTTER. SEE DETAIL SHEET 16-9
2. BUILD DEPRESSED CURB & GUTTER. SEE DETAIL SHEET 16-9
3. BUILD MEDIAN CURB & GUTTER. SEE DETAIL SHEET 16-9
4. REMOVE TREE(S)
5. BUILD MEDIAN PAVEMENT
6. BUILD VALLEY GUTTER. SEE DETAIL SHEET 16-10
7. BUILD CONCRETE FILLET. MATCH ROADWAY GRADES. SEE DETAIL SHEET 16-10
8. BUILD 4" CONCRETE SIDEWALK. SEE DETAIL SHEET 2-4
9. BUILD CONCRETE DRIVEPAD. SEE DETAIL SHEET 2-10 & 2-11
10. COORDINATE WITH QWEST TO ADJUST MANHOLE TO GRADE
11. BUILD CURB RAMP TYPE "B". SEE SHEET 15-21.
12. BUILD CURB RAMP TYPE "C". SEE SHEET 15-23.
13. BUILD SLOPE PAVING SEE DETAIL SHEET 2-7
14. BUILD RETAINING WALL. SEE DETAIL SHEET 2-27 TO 2-31
15. BUILD 5' CURB TAPER.
16. MATCH EXISTING

PB Parsons Brinckerhoff

AS BUILT INFORMATION

CONTRACTOR A.S. HARMER
WORK STAKED BY SNIDER MILLER 7/08 DATE
INSPECTOR'S PLANS MARKED BY BCPWD 7/09 DATE
FIELD VERIFICATION BY BCPWD 7/09 DATE
PLANS CORRECTED BY P.B. 7/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
JAMES H. BUCHMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
7/10/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY JB	DATE 08/07
		DRAWN BY RJ	DATE 08/07
		CHECKED BY NA	DATE 08/07

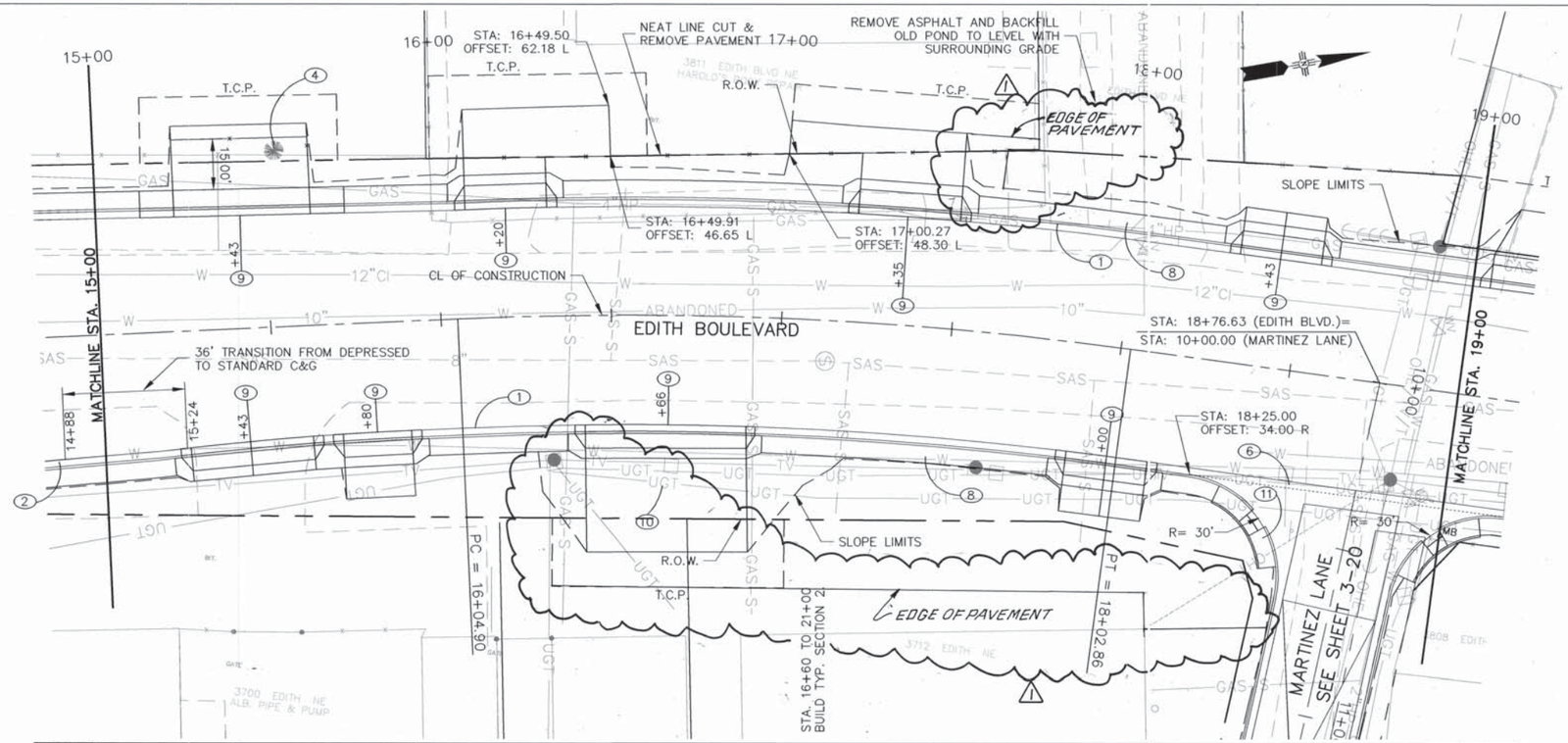
COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

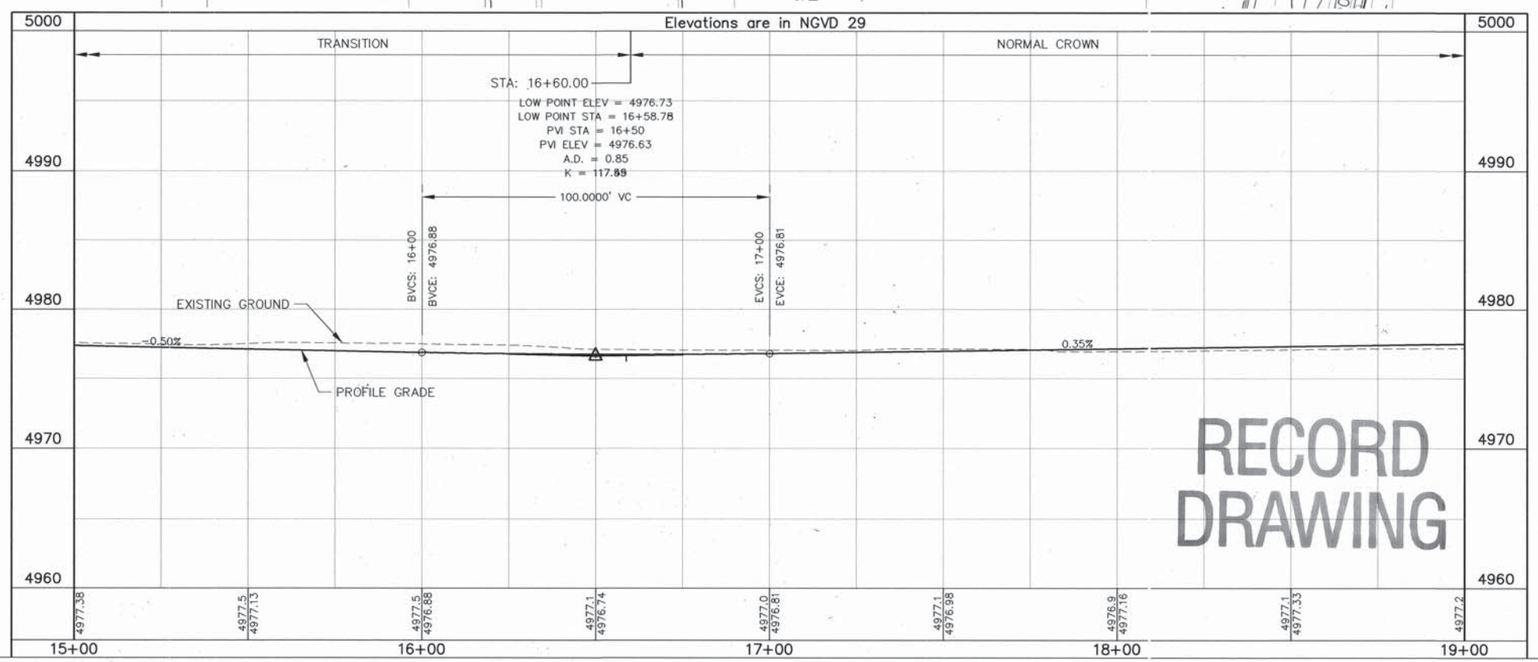
EDITH BLVD. RECONSTRUCTION
EDITH BLVD. PLAN AND PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-1

G:\33588_Edith\04 Engineering\Plans\Section 3\3PP_ROAD.dwg 8/16/2007 7:47:52 PM MDT





GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.

HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. STATION AND OFFSETS FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
2. CURVE DATA FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.

KEYED NOTES:

1. BUILD STANDARD CURB & GUTTER. SEE DETAIL SHEET 16-9
2. BUILD DEPRESSED CURB & GUTTER. SEE DETAIL SHEET 16-9
3. BUILD MEDIAN CURB & GUTTER. SEE DETAIL SHEET 16-9
4. REMOVE TREE(S)
5. BUILD MEDIAN PAVEMENT
6. BUILD VALLEY GUTTER. SEE DETAIL SHEET 16-10
7. BUILD CONCRETE FILLET. MATCH ROADWAY GRADES. SEE DETAIL SHEET 16-10
8. BUILD 4" CONCRETE SIDEWALK. SEE DETAIL SHEET 2-4
9. BUILD CONCRETE DRIVEPAD. SEE DETAIL SHEET 2-10 & 2-11
10. COORDINATE WITH QWEST TO ADJUST MANHOLE TO GRADE
11. BUILD CURB RAMP TYPE "B". SEE SHEET 15-21.
12. BUILD CURB RAMP TYPE "C". SEE SHEET 15-22.
13. BUILD SLOPE PAVING SEE DETAIL SHEET 2-7
14. BUILD RETAINING WALL. SEE DETAIL SHEET 2-27 TO 2-31
15. BUILD 5' CURB TAPER.
16. MATCH EXISTING

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNYDER MILLER 1/08 DATE
INSPECTIONS PERFORMED BY B&PWD 1/09 DATE
FIELD CHANGES BY B&PWD 1/09 DATE
VERIFICATION BY B&PWD 1/09 DATE
CHANGES CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCHAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
8/17/07

NO.	DATE	REMARKS	BY
1	5/09	REVISE PAVING LIMITS	VRV

DESIGN
DESIGNED BY JB DATE 08/07
DRAWN BY RJ DATE 08/07
CHECKED BY NA DATE 08/07

Parsons Brinckerhoff

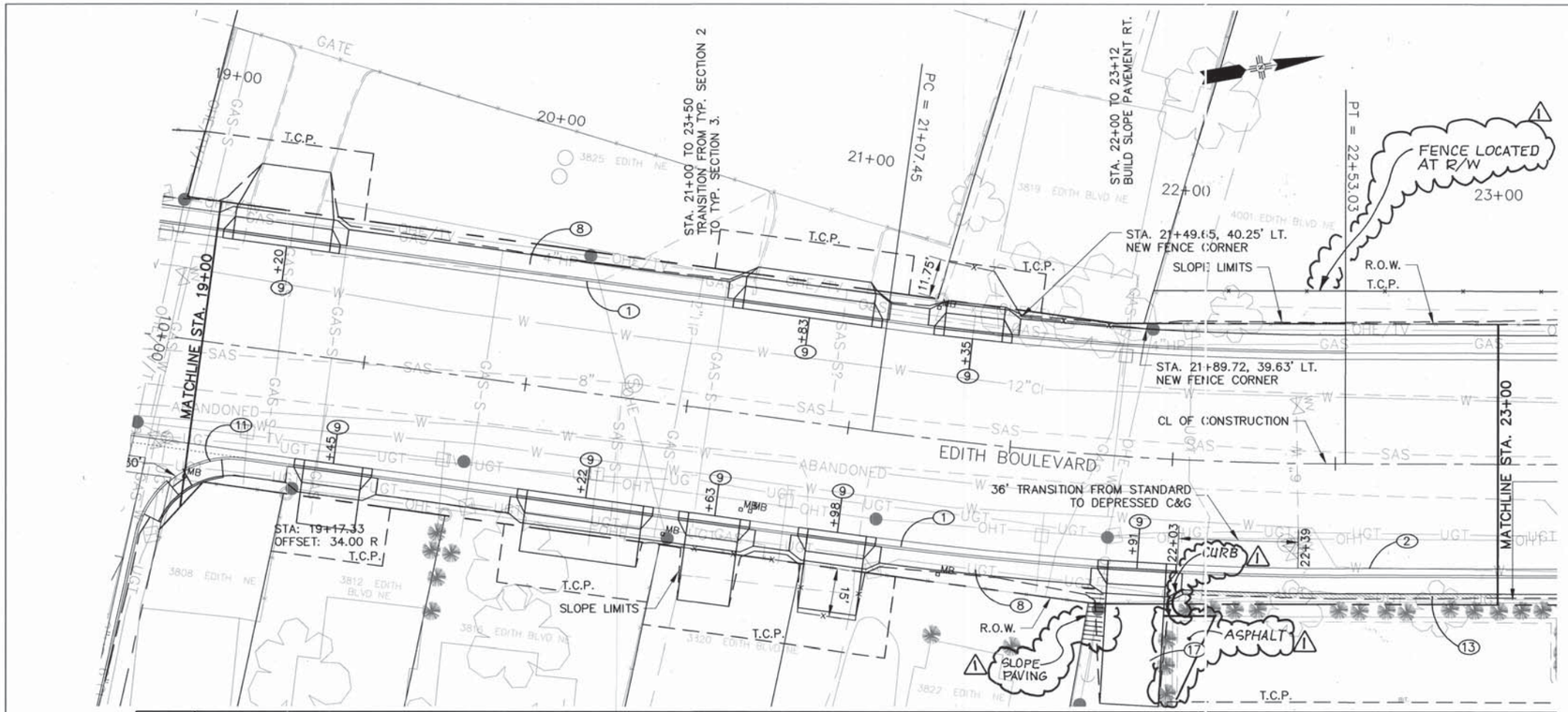
COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

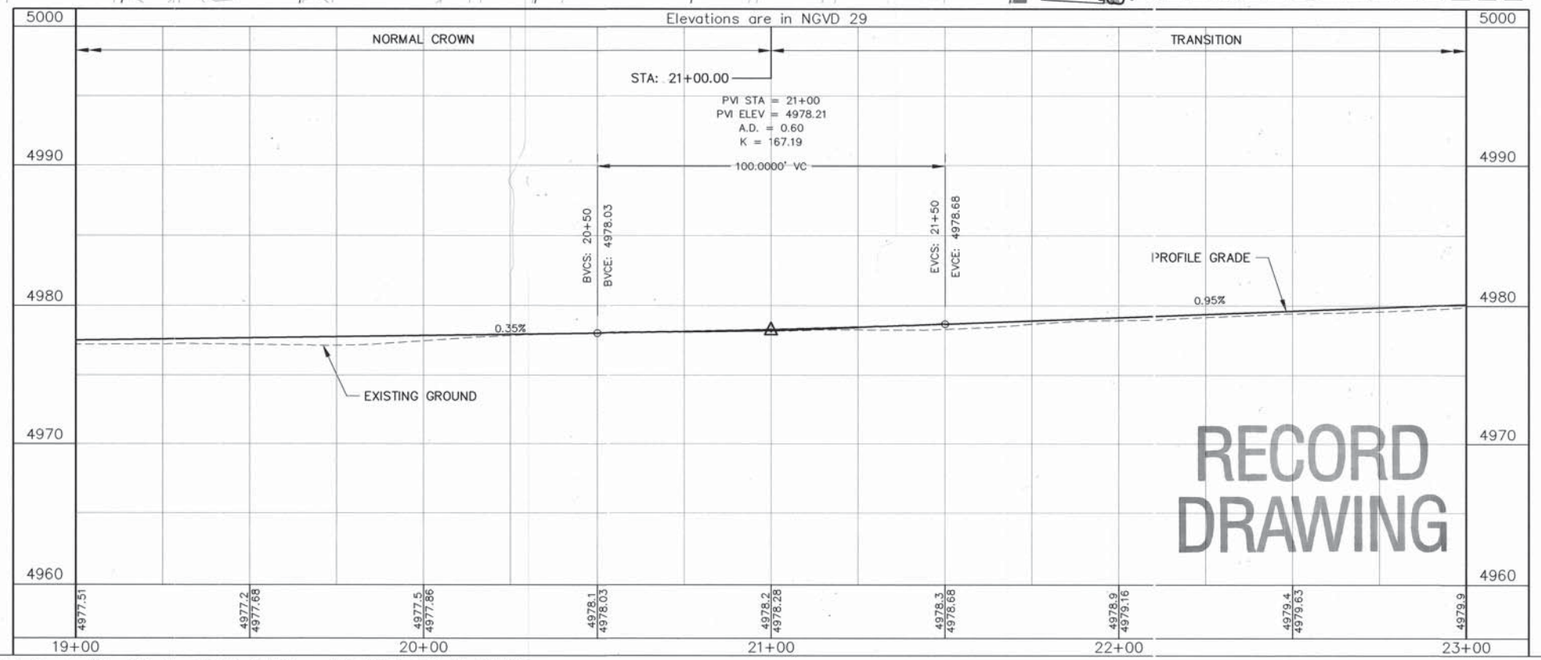
EDITH BLVD. RECONSTRUCTION
EDITH BLVD. PLAN AND PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-2

G:\33588_Edith\04 Engineering\Plans\Section 3\3PP_ROAD.dwg 8/16/2007 10:10:07 PM MDT





RECORD DRAWING

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. STATION AND OFFSETS FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
2. CURVE DATA FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.

KEYED NOTES:

(1) BUILD STANDARD CURB & GUTTER. SEE DETAIL SHEET 16-9
(2) BUILD DEPRESSED CURB & GUTTER. SEE DETAIL SHEET 16-9
(3) BUILD MEDIAN CURB & GUTTER. SEE DETAIL SHEET 16-9
(4) REMOVE TREE(S)
(5) BUILD MEDIAN PAVEMENT
(6) BUILD VALLEY GUTTER. SEE DETAIL SHEET 16-10
(7) BUILD CONCRETE FILLET. MATCH ROADWAY GRADES. SEE DETAIL SHEET 16-10
(8) BUILD 4" CONCRETE SIDEWALK. SEE DETAIL SHEET 2-4
(9) BUILD CONCRETE DRIVEPAD. SEE DETAIL SHEET 2-10 & 2-11
(10) COORDINATE WITH QWEST TO ADJUST MANHOLE TO GRADE
(11) BUILD CURB RAMP TYPE "B". SEE SERIAL PAD-001 SHEET 3 OF 10 SHEET 15-21
(12) BUILD CURB RAMP TYPE "C". SEE SERIAL PAD-001 SHEET 4 OF 10 SHEET 15-23
(13) BUILD SLOPE PAVING SEE DETAIL SHEET 2-7
(14) BUILD RETAINING WALL. SEE DETAIL SHEET 2-27 TO 2-31
(15) BUILD 5' CURB TAPER.
(16) ~~SAWCUT &~~ MATCH EXISTING ~~CURB/ PAVEMENT~~
(17) COORDINATE WORK ON NMYDDC PROPERTY. CONTACT: ROY LOGAN, 850-0508.

Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HARVER
WORK STAKED BY SNYDER MILLER 1/08 DATE
INSPECTIONS BY RDWD 1/09 DATE
FIELD VERIFICATION BY BRWD 1/09 DATE
DRAWINGS CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE. centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCHANAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 4/7/09

DESIGN
DESIGNED BY JB DATE 08/07
DRAWN BY RJ DATE 08/07
CHECKED BY NA DATE 08/07

REMARKS
04/09 ADDED CURB & ASPHALT, FENCE & SLOPE PAVING YRV

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BLVD. PLAN AND PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-3

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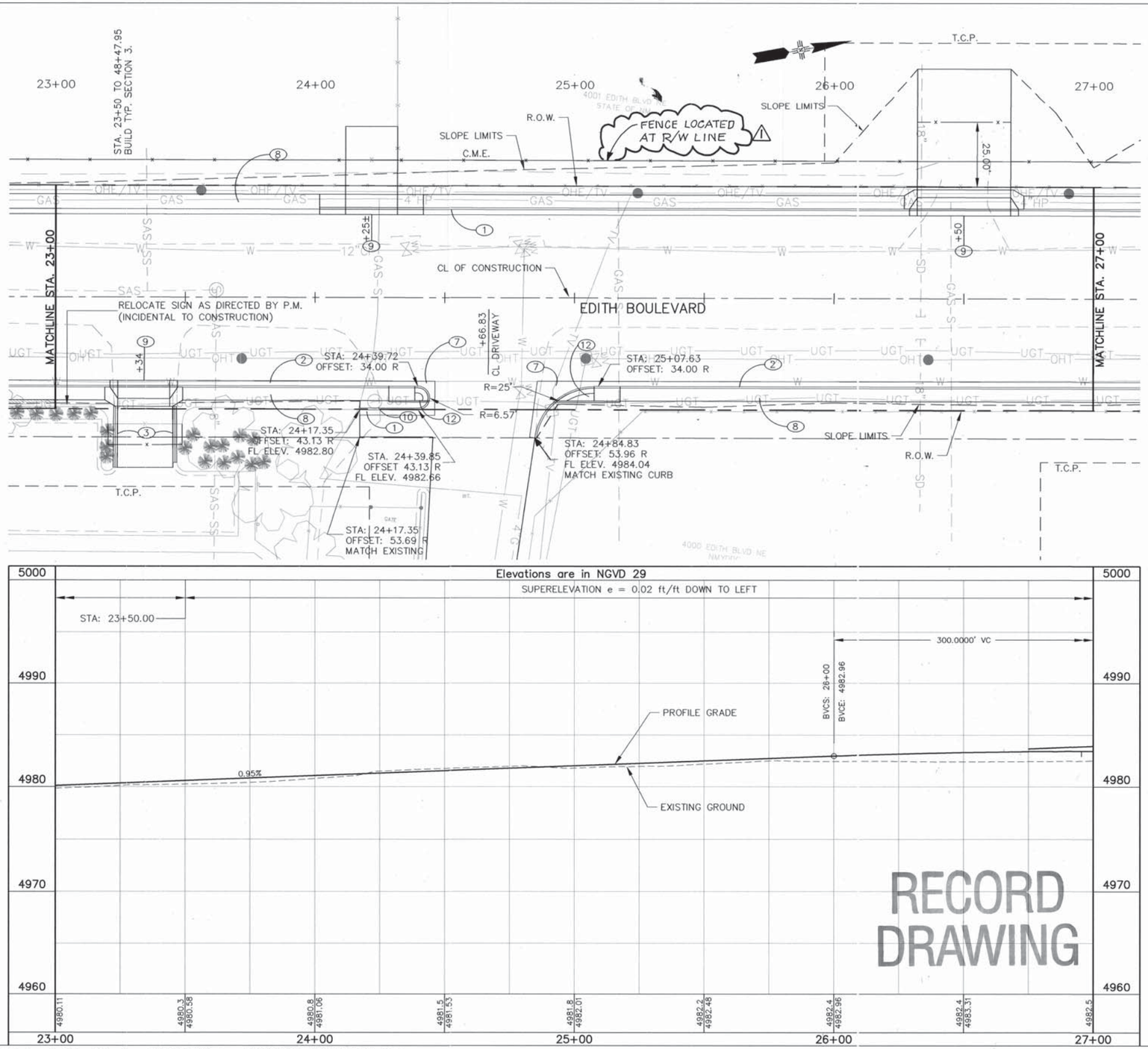

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.
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GENERAL NOTES

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12. BUILD CURB RAMP TYPE "C". SEE SHEET 15-22.
13. BUILD SLOPE PAVING SEE DETAIL SHEET 2-7
14. BUILD RETAINING WALL. SEE DETAIL SHEET 2-27 TO 2-31
15. BUILD 5' CURB TAPER.
16. MATCH EXISTING
17. COORDINATE WORK ON NMYDDC PROPERTY. CONTACT: ROY LOGAN, 850-0508.

PB Parsons Brinckerhoff

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER

	NAME	DATE
WORK STAKED BY	SNIDER MILLER	7/06
INSPECTION & ACCEPTANCE BY	BCPWD	1/09
FIELD VERIFICATION BY	BCPWD	1/09
AS-BUILTING BY	P.B.	5/09
CORRECTED BY		

MICRO-FILM INFORMATION

RECORDED BY

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet. ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. RUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	04/09	ADDED FENCE LOCATED AT R/W LINE	VRV

DESIGN

DESIGNED BY JB	DATE	08/07
DRAWN BY RJ	DATE	08/07
CHECKED BY NA	DATE	08/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

EDITH BLVD. PLAN AND PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-4

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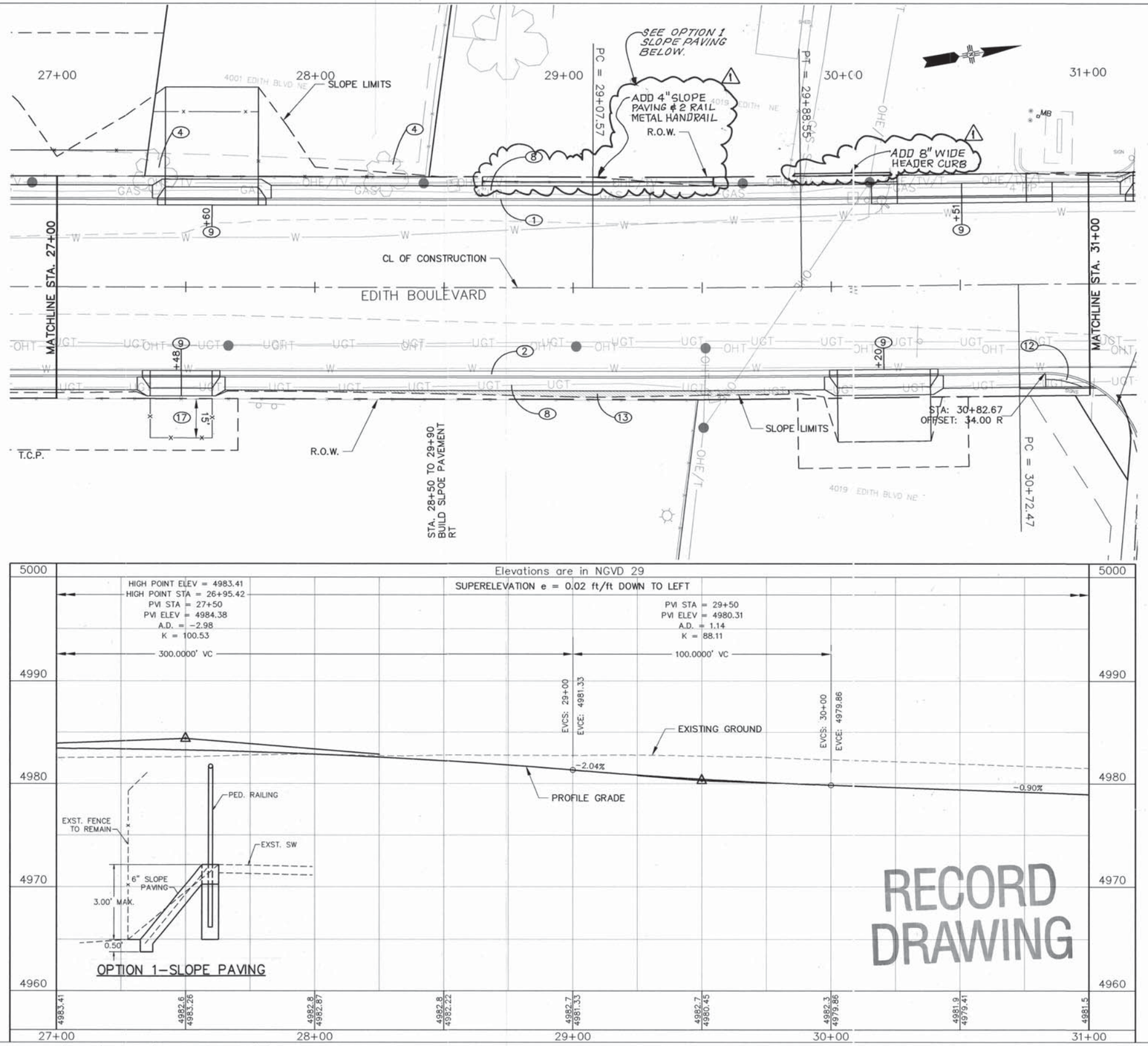

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
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GENERAL NOTES

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(12) BUILD CURB RAMP TYPE "C". SEE SERIAL PAD-001 SHEET 4 OF 10 SHT: 15-22
(13) BUILD SLOPE PAVING SEE DETAIL SHEET 2-7
(14) BUILD RETAINING WALL. SEE DETAIL SHEET 2-27 TO 2-31
(15) BUILD 5' CURB TAPER.
(16) ~~SAWCUT &~~ MATCH EXISTING ~~CURB & PAVEMENT~~
(17) COORDINATE WORK ON NMYDDC PROPERTY. CONTACT: ROY LOGAN, 850-0508.

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNYDER MILLER 1/09 DATE
INSPECTORS
ACCEPTANCE BY BLPWD 1/09 DATE
AS BUILT VERIFICATION BY BLPWD 1/09 DATE
CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", spoiled to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
JAMES H. BUCHANAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY	DESIGN	DATE
				DESIGNED BY JB	08/07
1	04/09	ADD SLOPE PAVING, HANDRAIL & HEADER CURB	V.R.V.	DRAWN BY RJ	08/07
				CHECKED BY NA	08/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BLVD. PLAN AND PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-5

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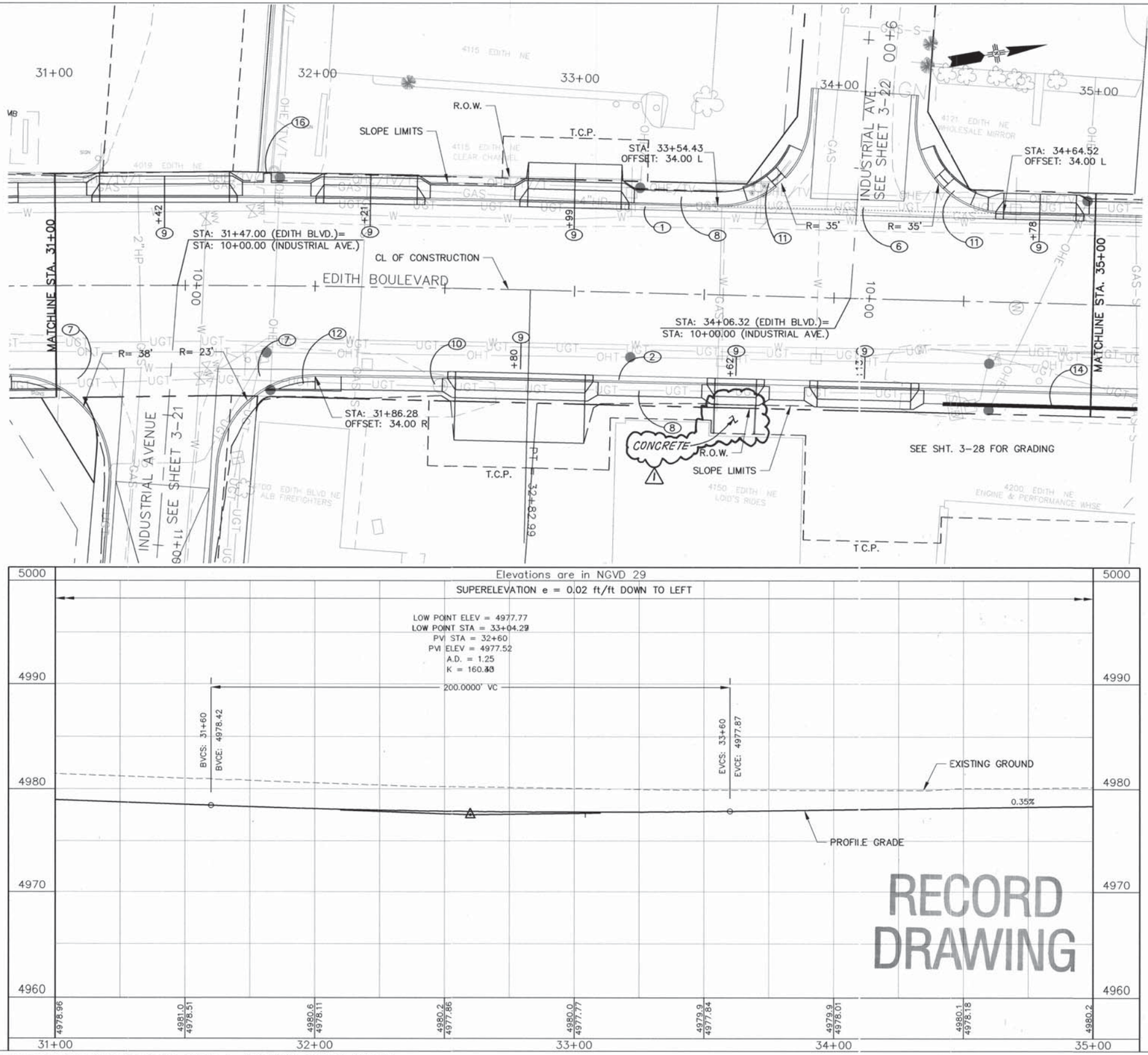

GRAPHIC SCALE

20 0 10 20 40

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13. BUILD SLOPE PAVING SEE DETAIL SHEET 2-7
14. BUILD RETAINING WALL. SEE DETAIL SHEET 2-27 TO 2-31
15. BUILD 5' CURB TAPER.
16. ~~CONSTRUCT A~~ MATCH EXISTING ~~CURB/ ELEMENT~~

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
STAKED BY SOUDER MILLER DATE
INSPECTOR'S REPORTS BY BLPWD DATE
FIELD VERIFICATION BY BLPWD DATE
AS BUILT CORRECTED BY BLPWD DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE. centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCHANAN
NEW MEXICO
13062
9/7/07
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	5/09	ADDED CONCRETE AT DRIVEWAY	VAV

DESIGN
DESIGNED BY JB DATE 08/07
DRAWN BY RJ DATE 08/07
CHECKED BY NA DATE 08/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BLVD. PLAN AND PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-6

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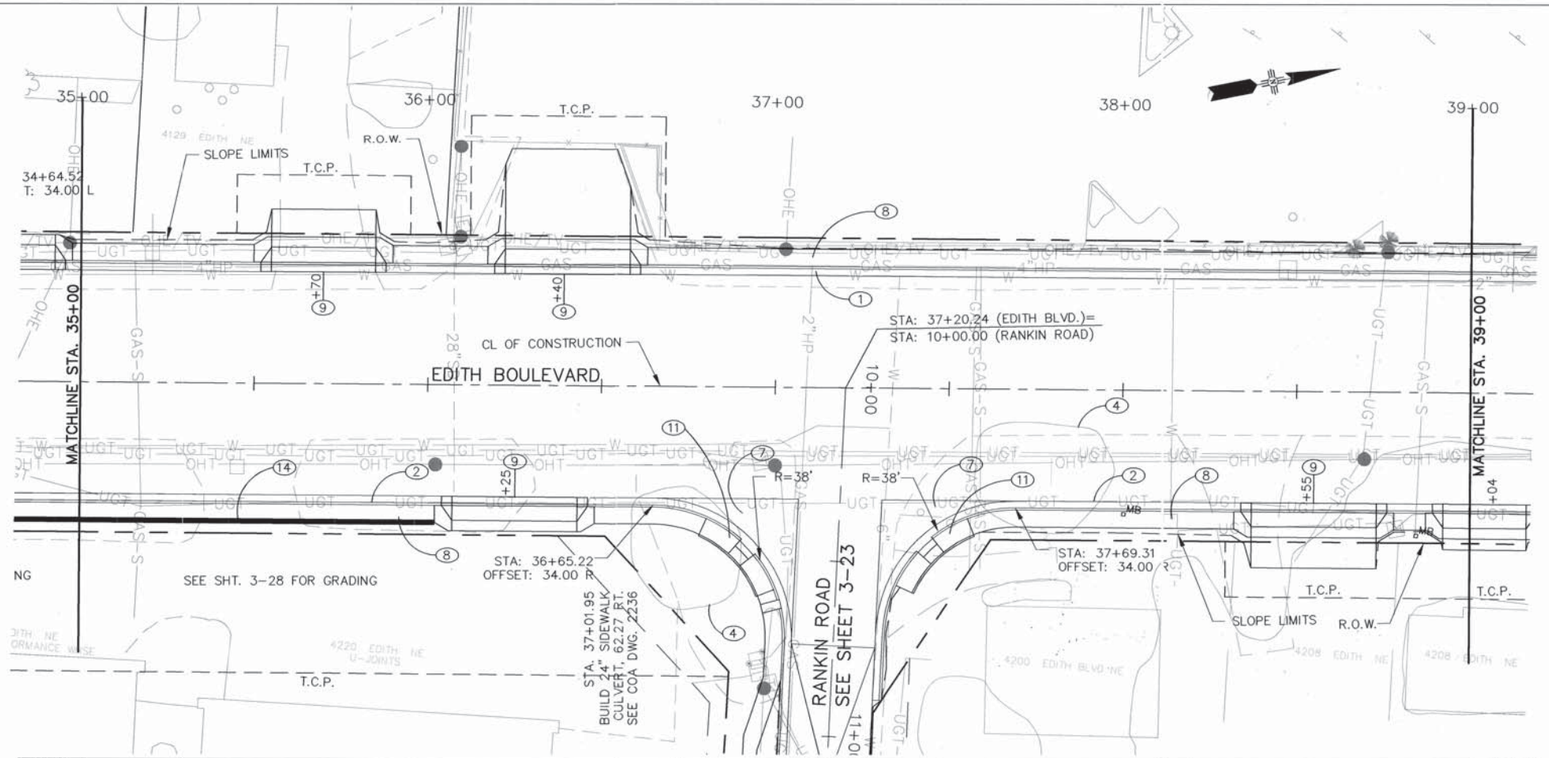

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

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HORZ. SCALE: 1" = 20'

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GENERAL NOTES

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13. BUILD SLOPE PAVING SEE DETAIL SHEET 2-7
14. BUILD RETAINING WALL. SEE DETAIL SHEET 2-27 TO 2-31
15. BUILD 5' CURB TAPER.
16. MATCH EXISTING

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STARTED BY SNYDER MILLER 7-16 DATE
STAKING CHECKED BY BGPWD 7-09 DATE
AS-BUILTS ACCEPTANCE BY BGPWD 7-09 DATE
FIELD VERIFICATION BY BGPWD 7-09 DATE
DRAWINGS REVISED BY P.B. 5-09 DATE
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BRICHMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
	DATE 08/07	DESIGNED BY JB	
	DATE 08/07	DRAWN BY RJ	
	DATE 08/07	CHECKED BY NA	

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BLVD. PLAN AND PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-7

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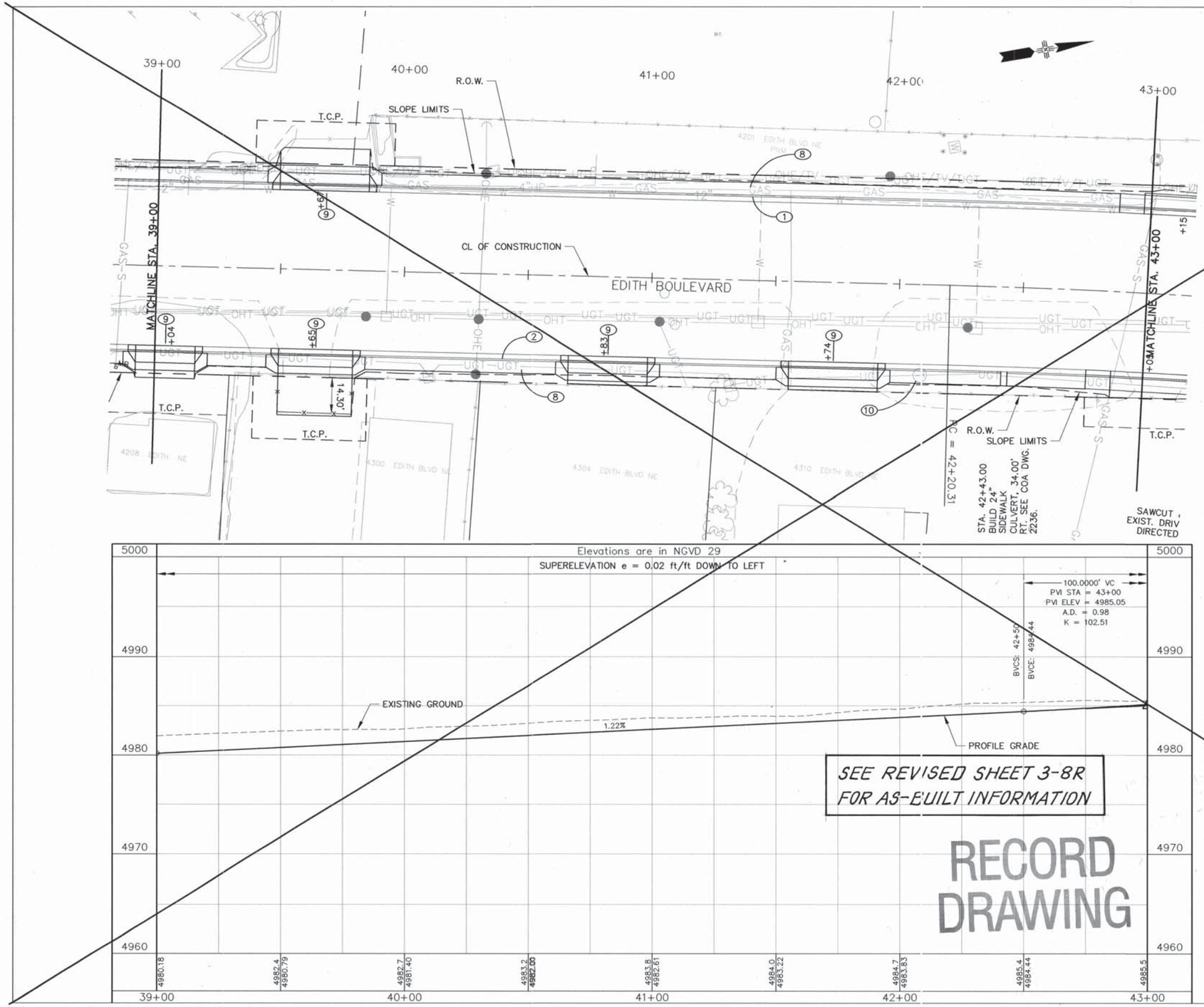

SEE REVISED SHEET 3-8R
FOR AS-BUILT INFORMATION

RECORD DRAWING

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
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VERT. SCALE: 1" = 5'

GENERAL NOTES

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14. BUILD RETAINING WALL. SEE DETAIL SHEET 2-27 TO 2-31
15. BUILD 5' CURB TAPER.
16. ~~SAWCUT~~ MATCH EXISTING ~~CURB&~~ ~~PAVEMENT~~

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTORS ACCEPTANCE BY — DATE
VERIFICATION BY — DATE
CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
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SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
8/1/07

NO.	DATE	REMARKS	BY

DESIGN
DESIGNED BY JB — DATE 08/07
DRAWN BY RJ — DATE 08/07
CHECKED BY NA — DATE 08/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BLVD. PLAN AND PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-8

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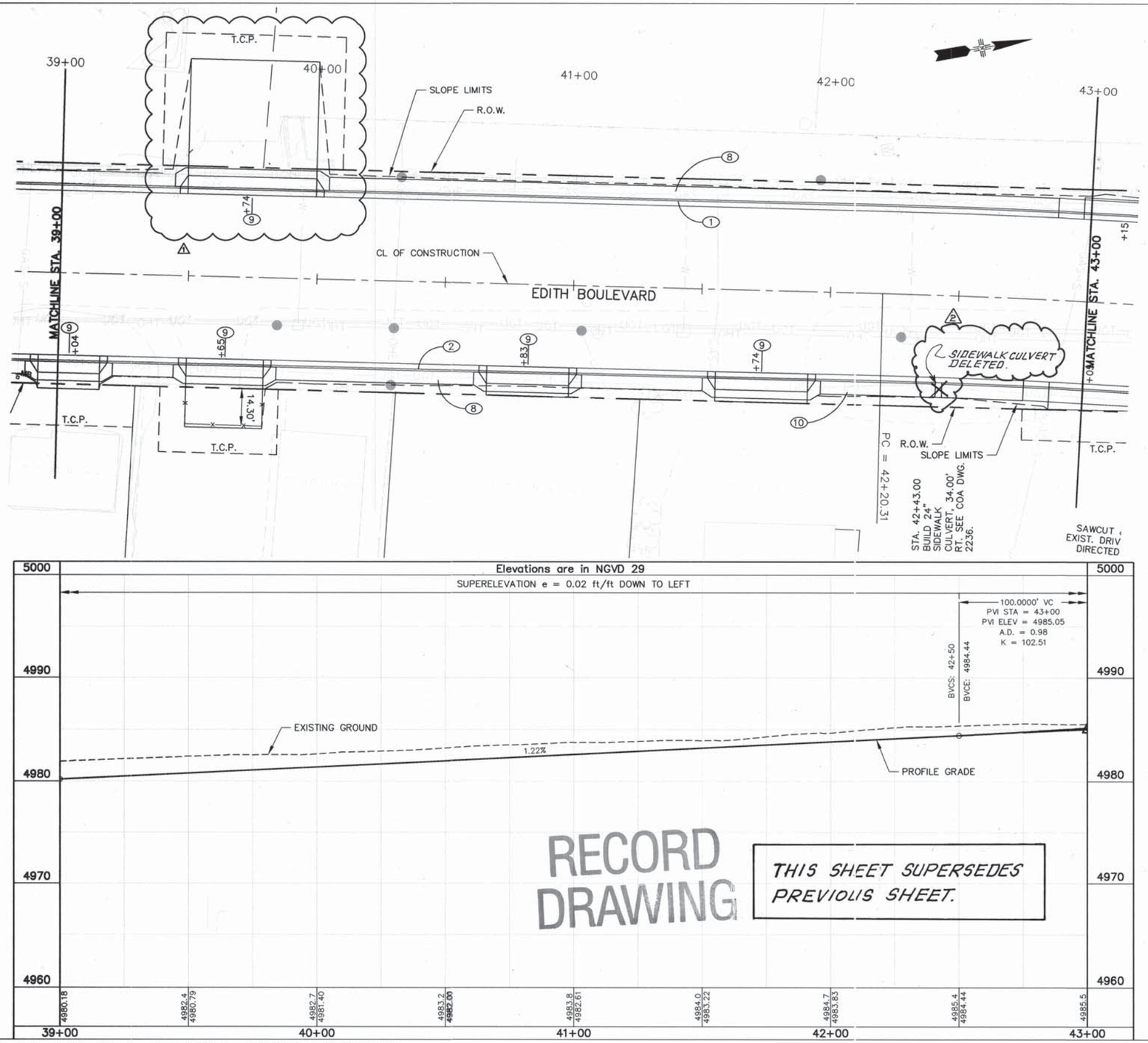

RECORD DRAWING

THIS SHEET SUPERSEDES PREVIOUS SHEET.

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
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GENERAL NOTES

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(12) BUILD CURB RAMP TYPE "C". SEE SHEET 15-22.

(13) BUILD SLOPE PAVING SEE DETAIL SHEET 2-7

(14) BUILD RETAINING WALL. SEE DETAIL SHEET 2-27 TO 2-31

(15) BUILD 5' CURB TAPER.

(16) MATCH EXISTING

PB Parsons Brinckerhoff

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION
CONTRACTOR A.S. HARVER
WORK STAKED BY: SNYDER MILLER 7/06 DATE
INSPECTION PERFORMED BY: BLP/VD 1/09 DATE
FIELD CHANGES BY: BLP/VD 1/09 DATE
VERIFICATION BY: BLP/VD 1/09 DATE
CORRECTIONS CORRECTED BY: P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	04/09	DELETED SIDEWALK CULVERT	VRV
2	12/22/08	DRIVEPAD AT STA. 39+74	MB

DESIGN
DESIGNED BY JB DATE 08/07
DRAWN BY RJ DATE 08/07
CHECKED BY NA DATE 08/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BLVD. PLAN AND PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-8R

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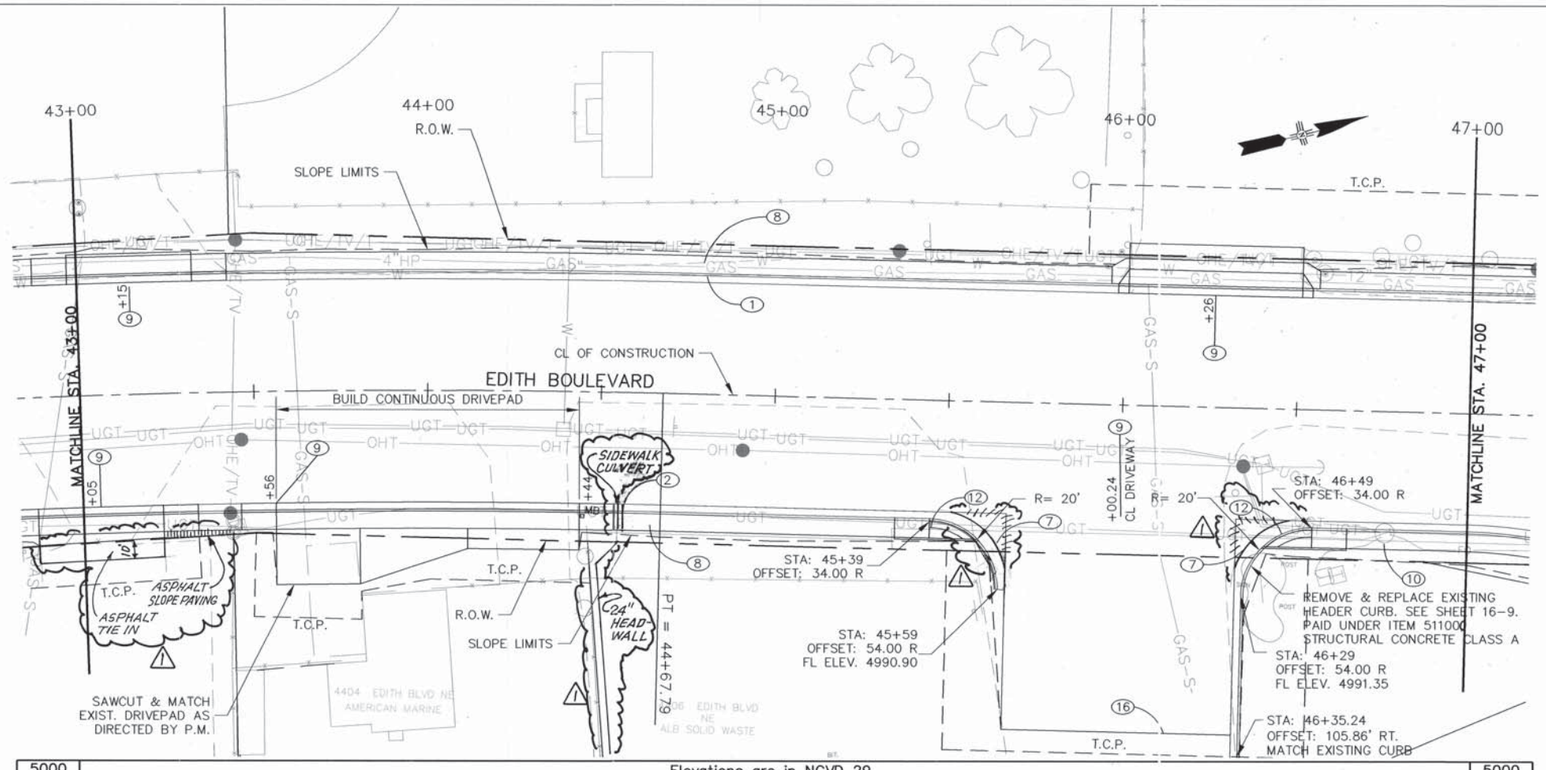

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
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GENERAL NOTES

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11. BUILD CURB RAMP TYPE "B". SEE SHEET 15-21.
12. BUILD CURB RAMP TYPE "C". SEE SHEET 15-22
13. BUILD SLOPE PAVING SEE DETAIL SHEET 2-7
14. BUILD RETAINING WALL. SEE DETAIL SHEET 2-27 TO 2-31
15. BUILD 5' CURB TAPER.
16. MATCH EXISTING

PB Parsons Brinckerhoff

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on solid drop inlet. NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNYDER MILLER 3/08 DATE
ASPHALT TICKS BY BCPWD 3/09 DATE
FIELD VERIFICATION BY BCPWD 3/09 DATE
DRAWINGS CORRECTED BY P.B. 6/09 DATE
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
4/11/07

NO.	DATE	REVISE CURB & GUTTER REMARKS	BY
1	04/09		VRV

DESIGN
DESIGNED BY JB — DATE 08/07
DRAWN BY RJ — DATE 08/07
CHECKED BY NA — DATE 08/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BLVD. PLAN AND PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVE AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVE NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-9

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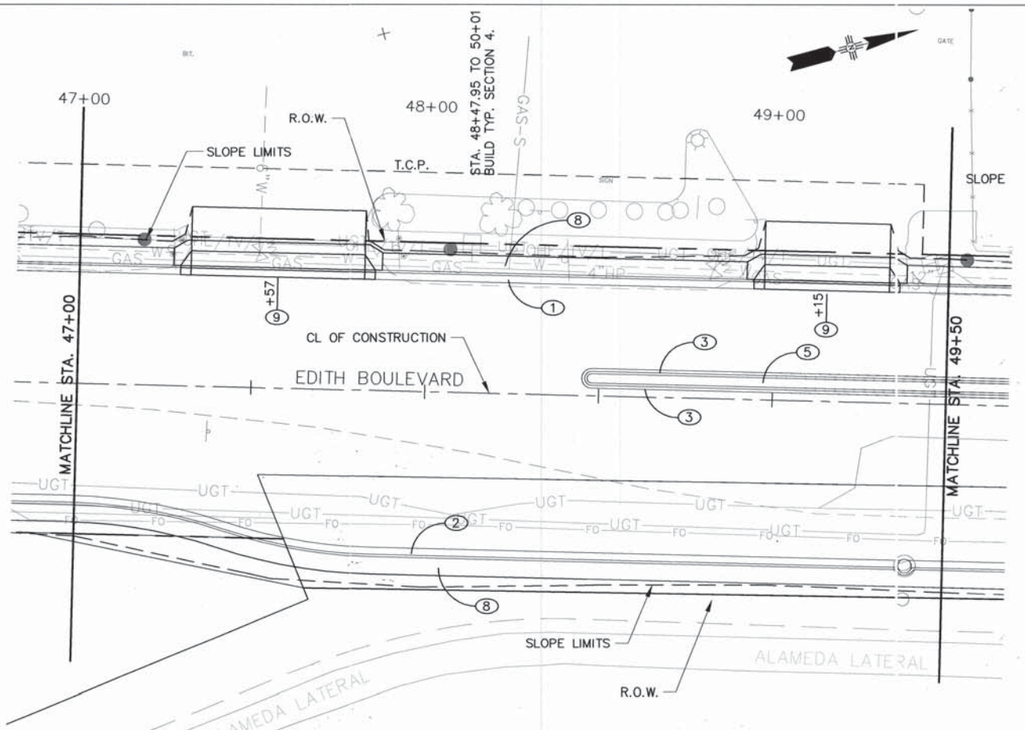

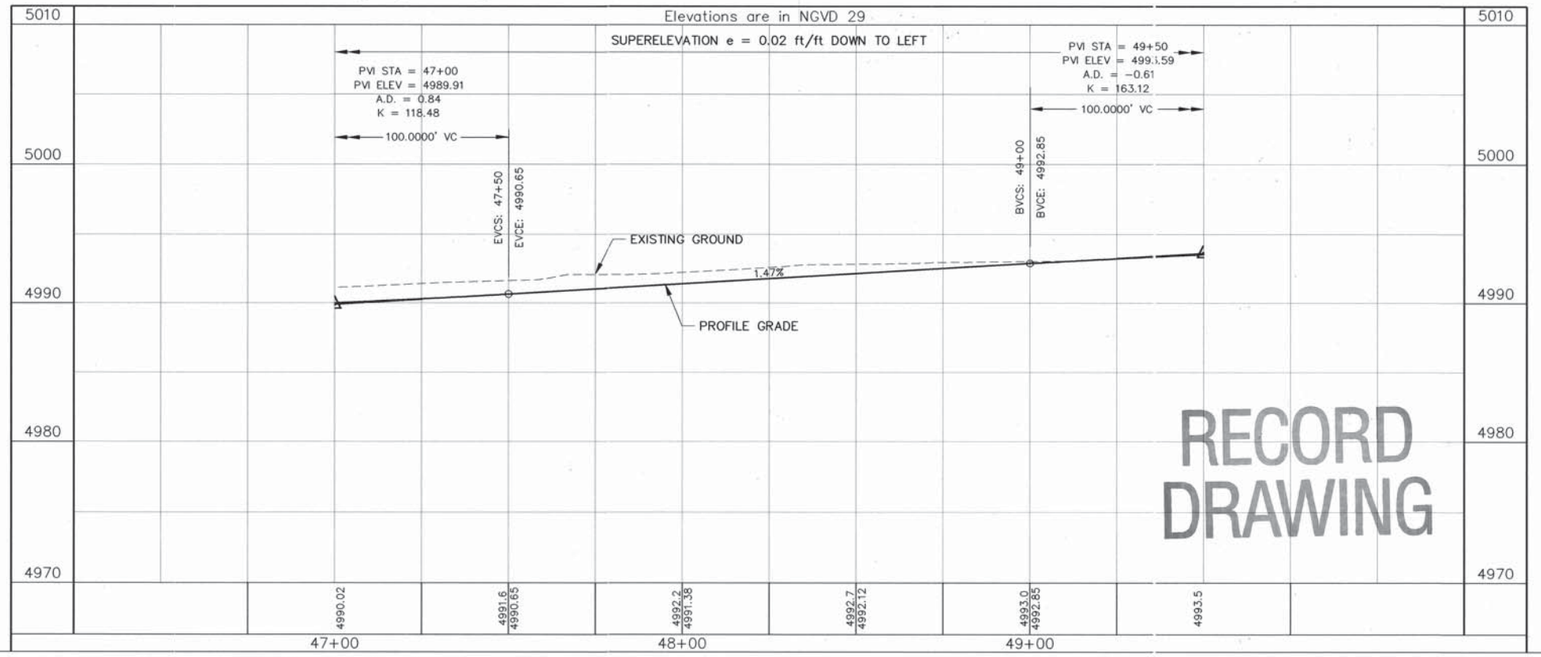

RECORD DRAWING

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.

HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. STATION AND OFFSETS FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
2. CURVE DATA FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.

KEYED NOTES:

(1) BUILD STANDARD CURB & GUTTER. SEE DETAIL SHEET 16-9

(2) BUILD DEPRESSED CURB & GUTTER. SEE DETAIL SHEET 16-9

(3) BUILD MEDIAN CURB & GUTTER. SEE DETAIL SHEET 16-9

(4) REMOVE TREE(S)

(5) BUILD MEDIAN PAVEMENT

(6) BUILD VALLEY GUTTER. SEE DETAIL SHEET 16-10

(7) BUILD CONCRETE FILLET. MATCH ROADWAY GRADES. SEE DETAIL SHEET 16-10

(8) BUILD 4" CONCRETE SIDEWALK. SEE DETAIL SHEET 2-4

(9) BUILD CONCRETE DRIVEPAD. SEE DETAIL SHEET 2-10 & 2-11

(10) COORDINATE WITH QWEST TO ADJUST MANHOLE TO GRADE

(11) BUILD CURB RAMP TYPE "B". SEE SERIAL PAD-001 SHEET 3 OF 10 SHT. 15-21

(12) BUILD CURB RAMP TYPE "C". SEE SERIAL PAD-001 SHEET 4 OF 10 SHT. 15-22

(13) BUILD SLOPE PAVING SEE DETAIL SHEET 2-7

(14) BUILD RETAINING WALL. SEE DETAIL SHEET 2-27 TO 2-31

(15) BUILD 5' CURB TAPER.

(16) ~~SAWCUT~~ MATCH EXISTING ~~CURB~~ PAVEMENT

AS BUILT INFORMATION
CONTRACTOR A.S. HOOVER
WORK STAKED BY SNYDER MILLER 7/08 DATE
ACCEPTANCE BY BCPWD 1/09 DATE
FIELD VERIFICATION BY BCPWD 1/09 DATE
DRAWINGS CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 11/1/07

NO.	DATE	REMARKS	BY

DESIGN
DESIGNED BY JB DATE 08/07
DRAWN BY RJ DATE 08/07
CHECKED BY NA DATE 08/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

EDITH BLVD. PLAN AND PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-10

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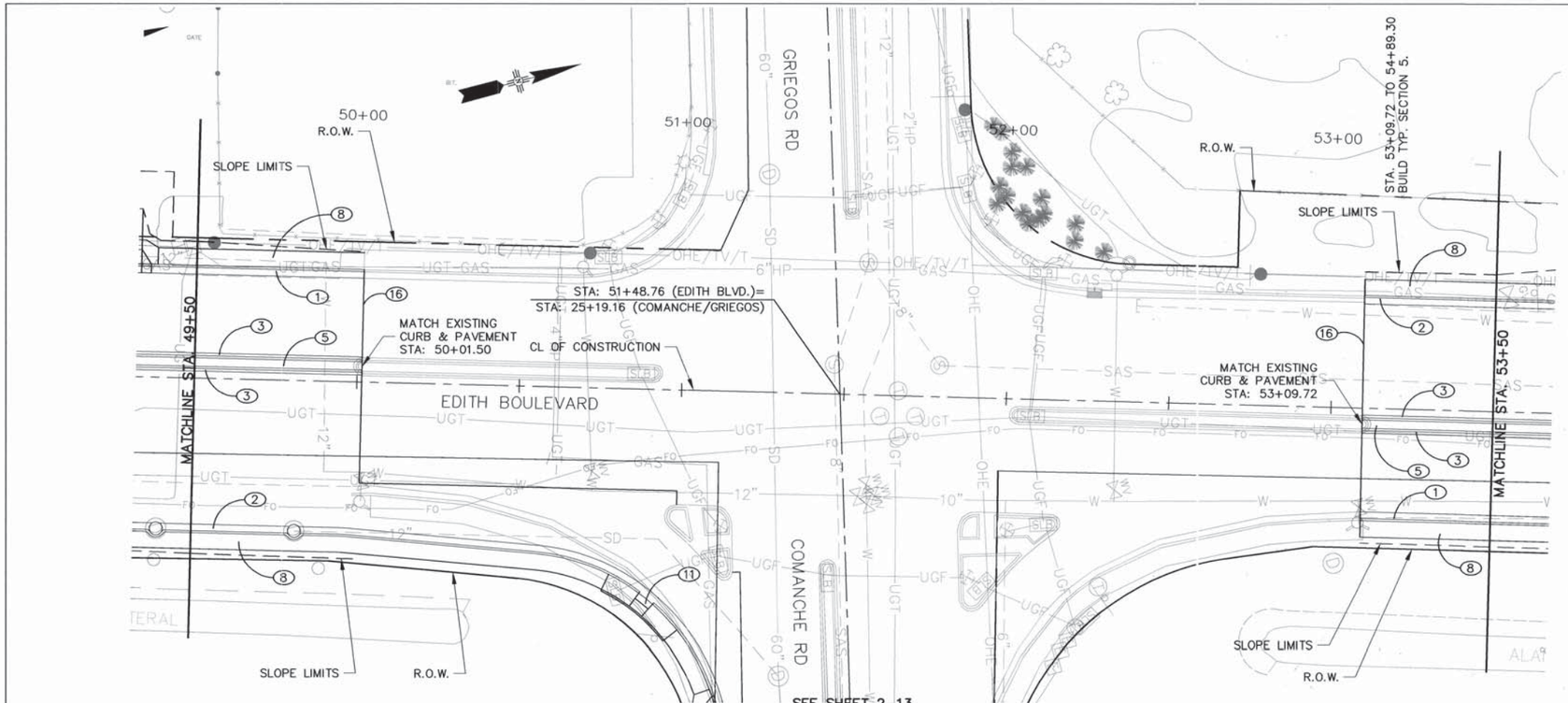

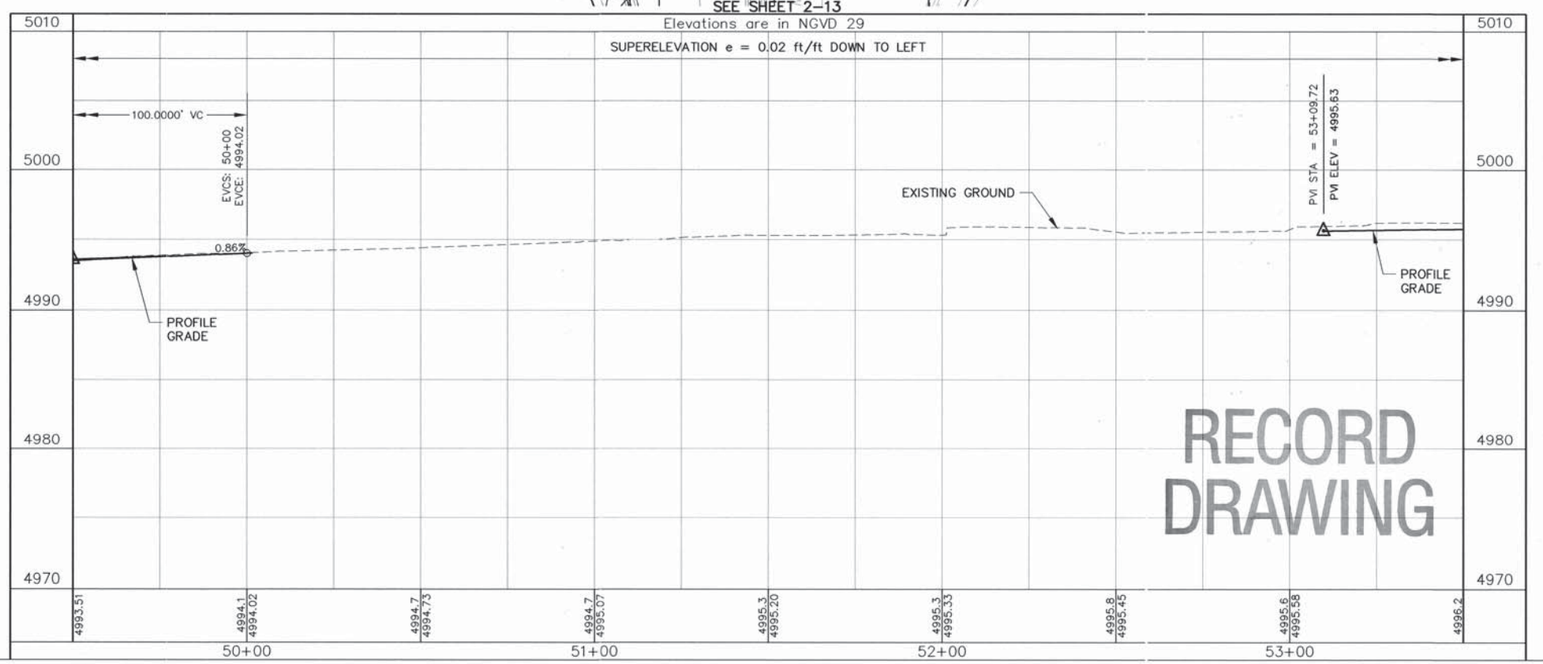

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. STATION AND OFFSETS FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
2. CURVE DATA FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
3. SEE SHEETS 2-13 TO 14 FOR DETAILS

KEYED NOTES:

(1) BUILD STANDARD CURB & GUTTER. SEE DETAIL SHEET 16-9
(2) BUILD DEPRESSED CURB & GUTTER. SEE DETAIL SHEET 16-9
(3) BUILD MEDIAN CURB & GUTTER. SEE DETAIL SHEET 16-9
(4) REMOVE TREE(S)
(5) BUILD MEDIAN PAVEMENT
(6) BUILD VALLEY GUTTER. SEE DETAIL SHEET 16-10
(7) BUILD CONCRETE FILLET. MATCH ROADWAY GRADES. SEE DETAIL SHEET 16-10
(8) BUILD 4" CONCRETE SIDEWALK. SEE DETAIL SHEET 2-4
(9) BUILD CONCRETE DRIVEPAD. SEE DETAIL SHEET 2-10 & 2-11
(10) COORDINATE WITH QWEST TO ADJUST MANHOLE TO GRADE
(11) BUILD CURB RAMP TYPE "B". SEE SERIAL PAD-001 SHEET 3 OF 10 SHT. 15-21
(12) BUILD CURB RAMP TYPE "C". SEE SERIAL PAD-001 SHEET 4 OF 10 SHT. 15-22
(13) BUILD SLOPE PAVING SEE DETAIL SHEET 2-7
(14) BUILD RETAINING WALL. SEE DETAIL SHEET 2-27 TO 2-31
(15) BUILD 5' CURB TAPER.
(16) ~~SAWCUT &~~ MATCH EXISTING ~~CURB/ PAVEMENT~~

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SOUDER, MILLER & ASSOC. DATE
INSPECTOR'S ACCEPTANCE BY BCPWD 1/9 DATE
VERIFICATION BY BCPWD 1/9 DATE
CORRECTED BY P.B. 3/9 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
JAMES H. BUCHMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER
9/4/07

NO.	DATE	REMARKS	BY

DESIGN
DESIGNED BY JB DATE 08/07
DRAWN BY RJ DATE 08/07
CHECKED BY NA DATE 08/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BLVD. PLAN AND PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-11

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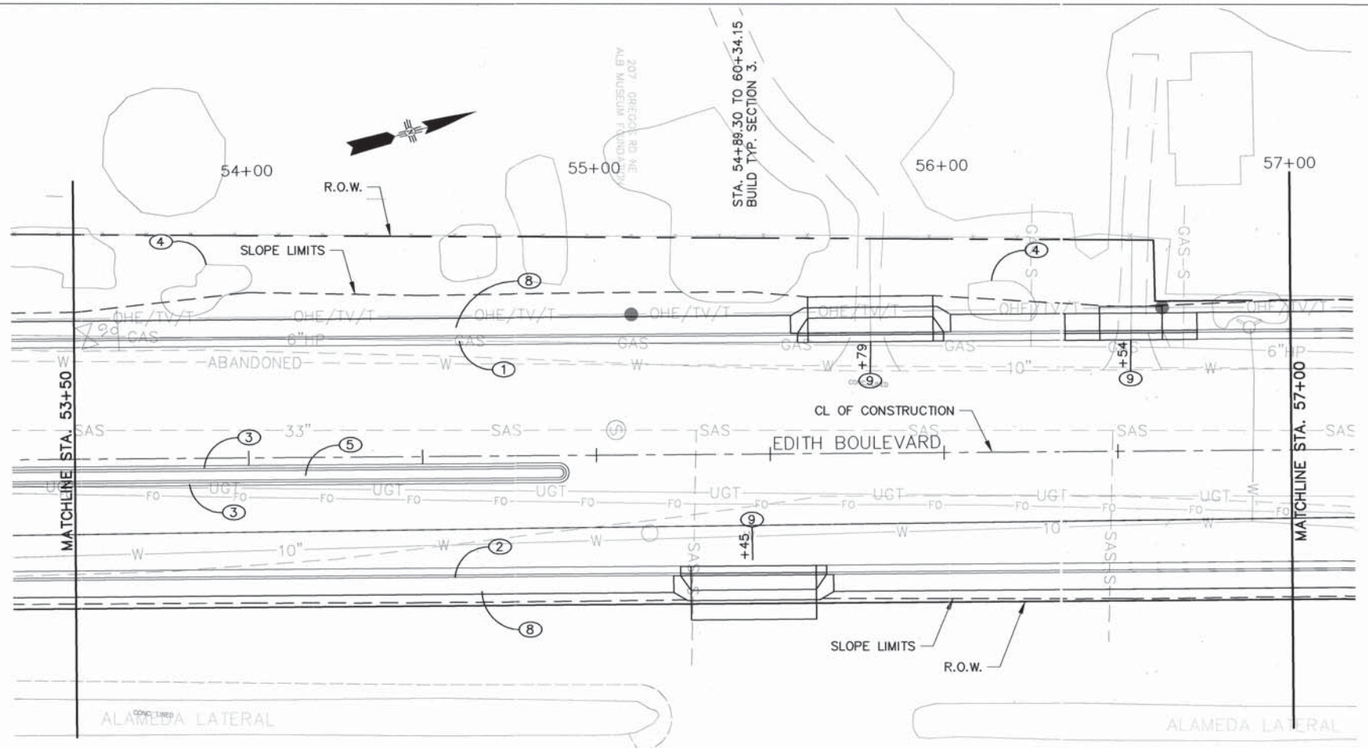

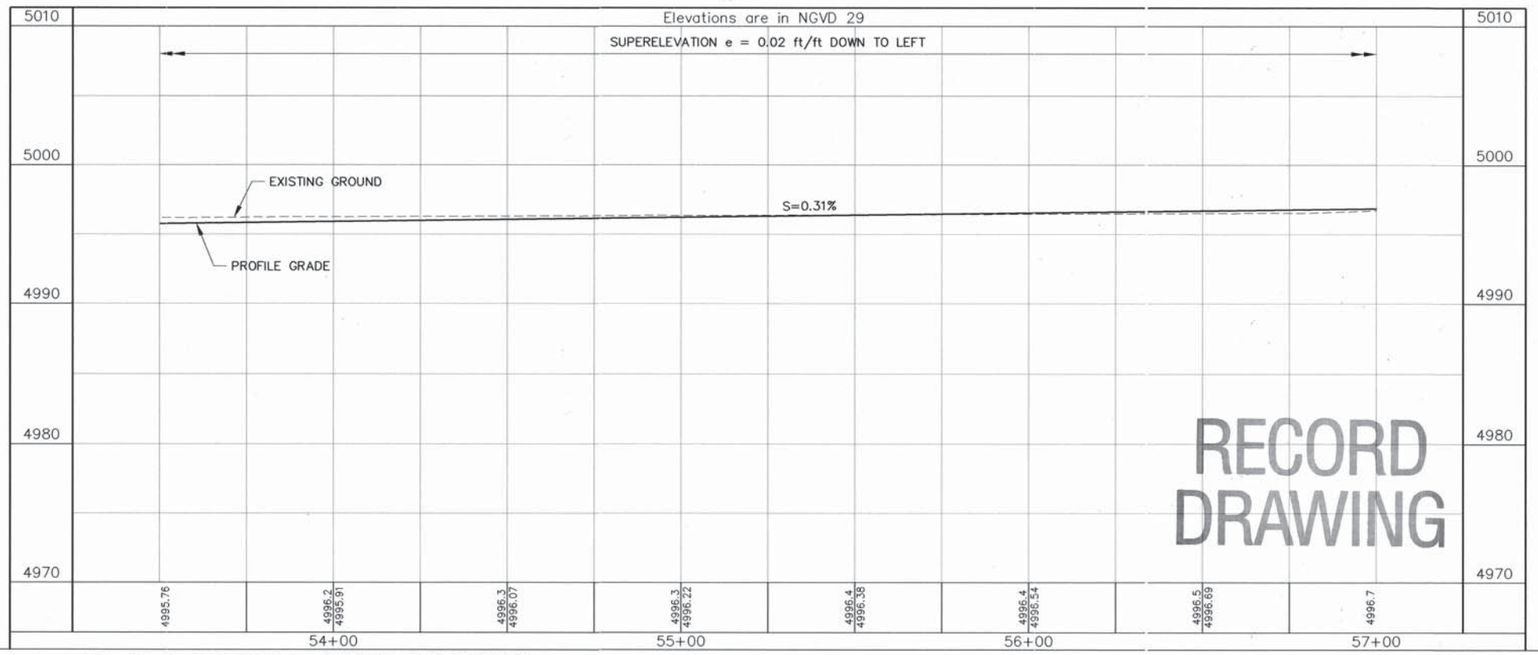

RECORD DRAWING

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.

HORZ. SCALE: 1" = 20'
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GENERAL NOTES

1. STATION AND OFFSETS FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
2. CURVE DATA FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.

KEYED NOTES:

(1) BUILD STANDARD CURB & GUTTER. SEE DETAIL SHEET 16-9
(2) BUILD DEPRESSED CURB & GUTTER. SEE DETAIL SHEET 16-9
(3) BUILD MEDIAN CURB & GUTTER. SEE DETAIL SHEET 16-9
(4) REMOVE TREE(S)
(5) BUILD MEDIAN PAVEMENT
(6) BUILD VALLEY GUTTER. SEE DETAIL SHEET 16-10
(7) BUILD CONCRETE FILLET. MATCH ROADWAY GRADES. SEE DETAIL SHEET 16-10
(8) BUILD 4" CONCRETE SIDEWALK. SEE DETAIL SHEET 2-4
(9) BUILD CONCRETE DRIVEPAD. SEE DETAIL SHEET 2-10 & 2-11
(10) COORDINATE WITH QWEST TO ADJUST MANHOLE TO GRADE
(11) BUILD CURB RAMP TYPE "B". SEE SERIAL PAD-001 SHEET 3 OF 10 SHT. 15-21
(12) BUILD CURB RAMP TYPE "C". SEE SERIAL PAD-001 SHEET 4 OF 10 SHT. 15-22
(13) BUILD SLOPE PAVING SEE DETAIL SHEET 2-7
(14) BUILD RETAINING WALL. SEE DETAIL SHEET 2-27 TO 2-31
(15) BUILD 5' CURB TAPER.
(16) ~~SAWCUT &~~ MATCH EXISTING ~~CURB & PAVEMENT~~

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S HARMER
WORK STAKED BY SNYDER MILLER 1/08 DATE
INSPECTORS FIELD CHANGES BY BAP-VD 1/09 DATE
VERIFICATION BY BAP-VD 1/09 DATE
CORRECTIONS BY F.B. 6/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
(1) ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCHANAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/9/07

REMARKS
DESIGN
DESIGNED BY JB DATE 08/07
DRAWN BY RJ DATE 08/07
CHECKED BY NA DATE 08/07
NO. DATE

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BLVD. PLAN AND PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-12

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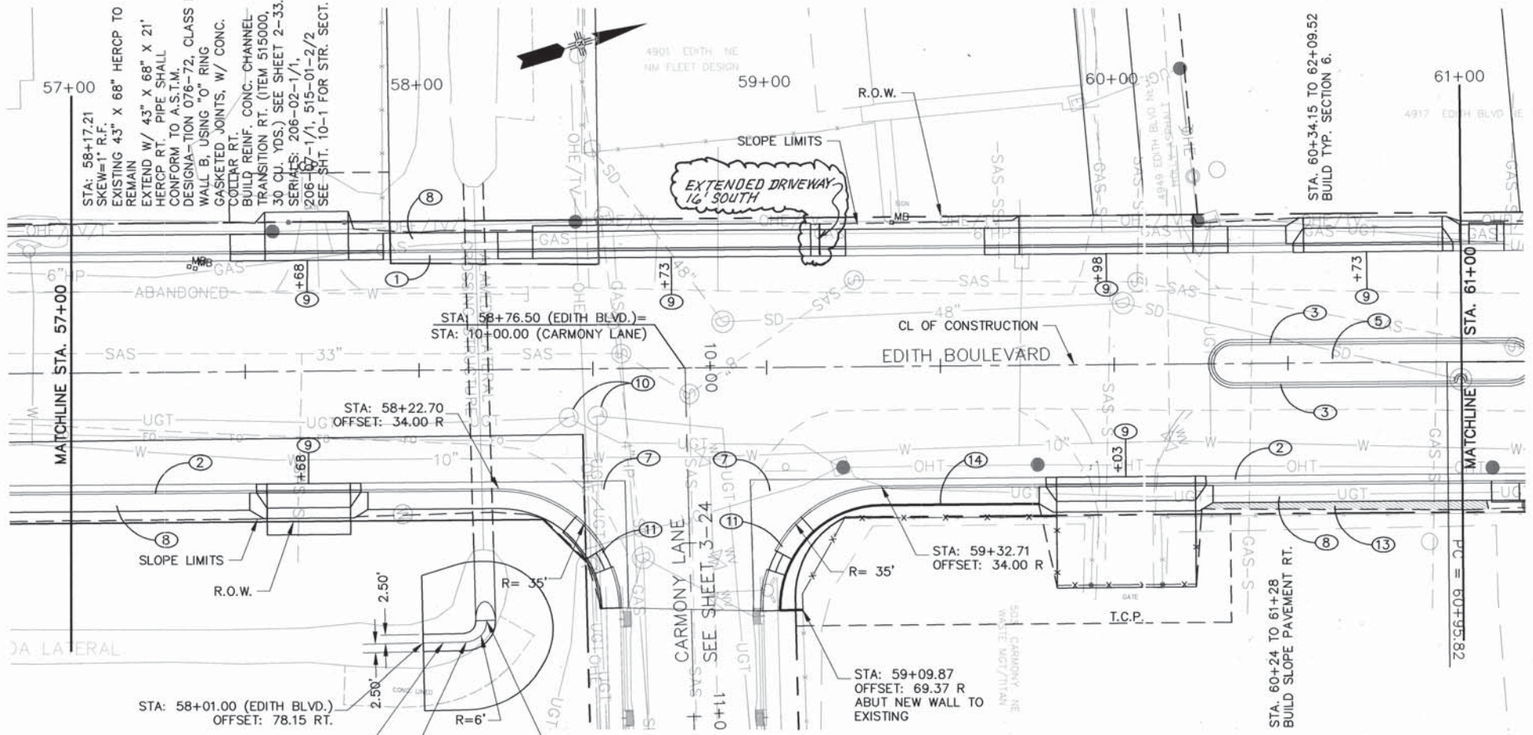

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. STATION AND OFFSETS FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
2. CURVE DATA FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.

KEYED NOTES:

(1) BUILD STANDARD CURB & GUTTER. SEE DETAIL SHEET 16-9
(2) BUILD DEPRESSED CURB & GUTTER. SEE DETAIL SHEET 16-9
(3) BUILD MEDIAN CURB & GUTTER. SEE DETAIL SHEET 16-9
(4) REMOVE TREE(S)
(5) BUILD MEDIAN PAVEMENT
(6) BUILD VALLEY GUTTER. SEE DETAIL SHEET 16-10
(7) BUILD CONCRETE FILLET. MATCH ROADWAY GRADES. SEE DETAIL SHEET 16-10
(8) BUILD 4" CONCRETE SIDEWALK. SEE DETAIL SHEET 2-4
(9) BUILD CONCRETE DRIVEPAD. SEE DETAIL SHEET 2-10 & 2-11
(10) COORDINATE WITH QWEST TO ADJUST MANHOLE TO GRADE
(11) BUILD CURB RAMP TYPE "B". SEE SERIAL PAD-001 SHEET 3 OF 10 SHT. 15-21
(12) BUILD CURB RAMP TYPE "C". SEE SERIAL PAD-001 SHEET 4 OF 10 SHT. 15-22
(13) BUILD SLOPE PAVING SEE DETAIL SHEET 2-7
(14) BUILD RETAINING WALL. SEE DETAIL SHEET 2-27 TO 2-31
(15) BUILD 5' CURB TAPER.
(16) ~~SAWCUT &~~ MATCH EXISTING ~~CURB/~~ ~~PAVEMENT~~

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY JORGER MILLER DATE
INSPECTORS ACCEPTANCE BY BCRWD DATE
VERIFICATION BY BCRWD DATE
CORRECTED BY P.B. DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCHAN
NEW MEXICO
13062
4/4/07
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	04/09	EXTENDED DRIVEWAY	VRV

DESIGN
DESIGNED BY JB DATE 08/07
DRAWN BY RJ DATE 08/07
CHECKED BY NA DATE 08/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BLVD. PLAN AND PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 3-13

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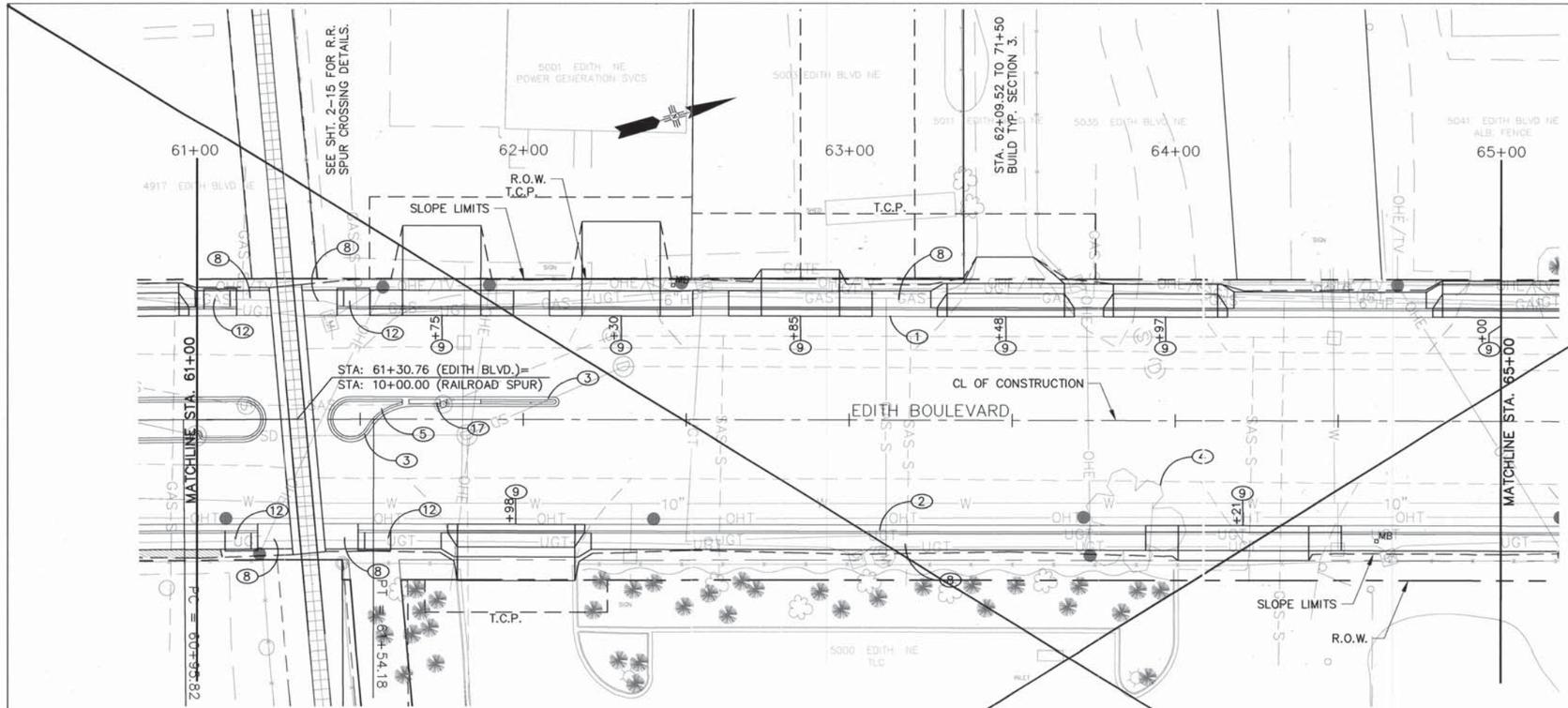

SEE REVISED SHEET 3-14R FOR AS-BUILT INFORMATION

RECORD DRAWING

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. STATION AND OFFSETS FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
2. CURVE DATA FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.

KEYED NOTES:

(1) BUILD STANDARD CURB & GUTTER. SEE DETAIL SHEET 16-9
(2) BUILD DEPRESSED CURB & GUTTER. SEE DETAIL SHEET 16-9
(3) BUILD MEDIAN CURB & GUTTER. SEE DETAIL SHEET 16-9
(4) REMOVE TREE(S)
(5) BUILD MEDIAN PAVEMENT
(6) BUILD VALLEY GUTTER. SEE DETAIL SHEET 16-10
(7) BUILD CONCRETE FILLET. MATCH ROADWAY GRADES. SEE DETAIL SHEET 16-10
(8) BUILD 4" CONCRETE SIDEWALK. SEE DETAIL SHEET 2-4
(9) BUILD CONCRETE DRIVEPAD. SEE DETAIL SHEET 2-10 & 2-11
(10) COORDINATE WITH QWEST TO ADJUST MANHOLE TO GRADE
(11) BUILD CURB RAMP TYPE "B". SEE SERIAL PAD-001 SHEET 3 OF 10 ~~SHT. 15-21~~
(12) BUILD CURB RAMP TYPE "C". SEE SERIAL PAD-001 SHEET 4 OF 10 ~~SHT. 15-22~~
(13) BUILD SLOPE PAVING SEE DETAIL SHEET 2-7
(14) BUILD RETAINING WALL. SEE DETAIL SHEET 2-27 TO 2-31
(15) BUILD 5' CURB TAPER.
(16) ~~SAWCUT &~~ MATCH EXISTING ~~CURB/ PAVEMENT~~
(17) BUILD MOUNTABLE MEDIAN CURB.

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTOR'S FIELD CHANGE BY — DATE
VERIFICATION BY — DATE
CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO (13062) REGISTERED PROFESSIONAL ENGINEER 8/7/07

REMARKS | NO. | DATE | BY

DESIGN
DESIGNED BY JB — DATE 08/07
DRAWN BY RJ — DATE 08/07
CHECKED BY NA — DATE 08/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BLVD. PLAN AND PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-14

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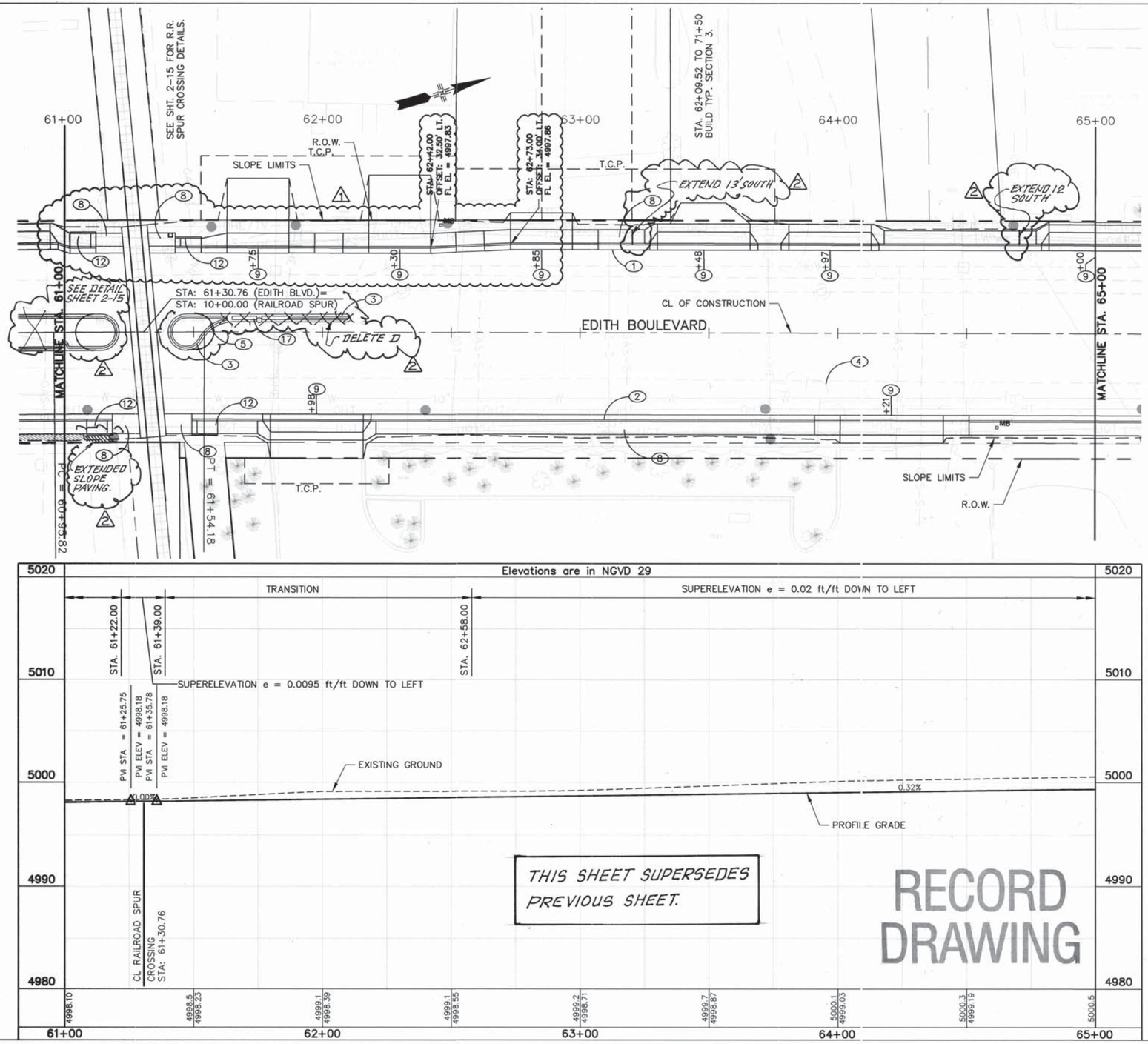

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

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2. CURVE DATA FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.

KEYED NOTES:

(1) BUILD STANDARD CURB & GUTTER. SEE DETAIL SHEET 16-9

(2) BUILD DEPRESSED CURB & GUTTER. SEE DETAIL SHEET 16-9

(3) BUILD MEDIAN CURB & GUTTER. SEE DETAIL SHEET 16-9

(4) REMOVE TREE(S)

(5) BUILD MEDIAN PAVEMENT

(6) BUILD VALLEY GUTTER. SEE DETAIL SHEET 16-10

(7) BUILD CONCRETE FILLET. MATCH ROADWAY GRADES. SEE DETAIL SHEET 16-10

(8) BUILD 4" CONCRETE SIDEWALK. SEE DETAIL SHEET 2-4

(9) BUILD CONCRETE DRIVEPAD. SEE DETAIL SHEET 2-10 & 2-11

(10) COORDINATE WITH QWEST TO ADJUST MANHOLE TO GRADE

(11) BUILD CURB RAMP TYPE "B". SEE SHEET 15-21.

(12) BUILD CURB RAMP TYPE "C". SEE SHEET 15-22.

(13) BUILD SLOPE PAVING SEE DETAIL SHEET 2-7

(14) BUILD RETAINING WALL. SEE DETAIL SHEET 2-27 TO 2-31

(15) BUILD 5' CURB TAPER.

(16) MATCH EXISTING

(17) BUILD MOUNTABLE MEDIAN CURB.

PB Parsons Brinckerhoff

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", spoiled to top of concrete drop inlet. ENE quadrant of Montano Rd. & Edith Blvd. NE. centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNIDER MILLER JOB
INSPECTORS FIELD CHANGES By B.C.P.W.D. 3/09 DATE
VERIFICATION By B.C.P.W.D. 3/09 DATE
CORRECTED BY P.B. 3/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	6/08	CURB REVISED	DE
2	04/09	REVISED CURB & GUTTER.	WW

DESIGN
DESIGNED BY JB DATE 08/07
DRAWN BY RJ DATE 08/07
CHECKED BY NA DATE 08/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BLVD. PLAN AND PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL		MO./DAY/YR.	MO./DAY/YR.

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 3-14R

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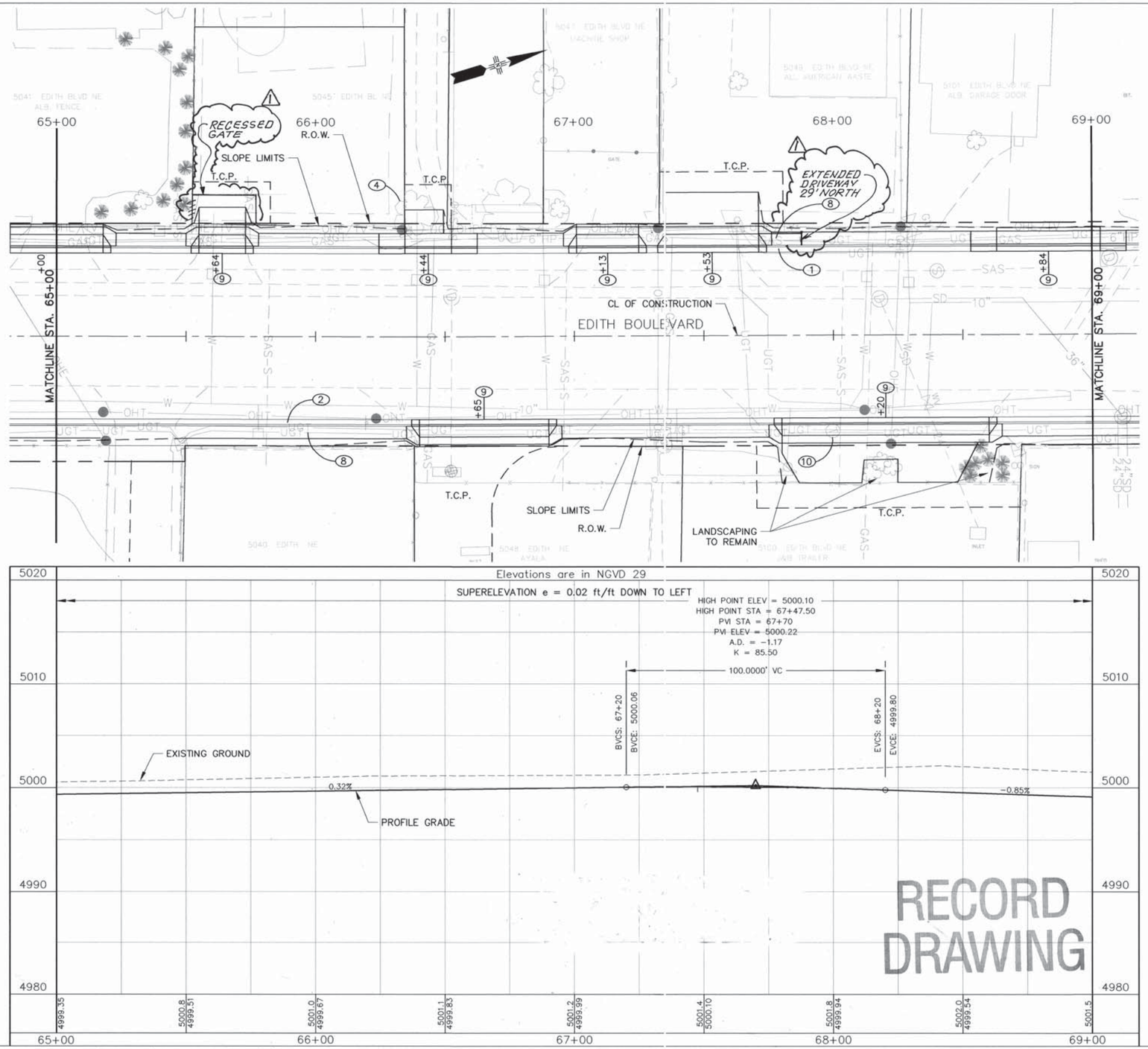

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
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GENERAL NOTES

1. STATION AND OFFSETS FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
2. CURVE DATA FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.

KEYED NOTES:

(1) BUILD STANDARD CURB & GUTTER. SEE DETAIL SHEET 16-9
(2) BUILD DEPRESSED CURB & GUTTER. SEE DETAIL SHEET 16-9
(3) BUILD MEDIAN CURB & GUTTER. SEE DETAIL SHEET 16-9
(4) REMOVE TREE(S)
(5) BUILD MEDIAN PAVEMENT
(6) BUILD VALLEY GUTTER. SEE DETAIL SHEET 16-10
(7) BUILD CONCRETE FILLET. MATCH ROADWAY GRADES. SEE DETAIL SHEET 16-10
(8) BUILD 4" CONCRETE SIDEWALK. SEE DETAIL SHEET 2-4
(9) BUILD CONCRETE DRIVEPAD. SEE DETAIL SHEET 2-10 & 2-11
(10) COORDINATE WITH QWEST TO ADJUST MANHOLE TO GRADE
(11) BUILD CURB RAMP TYPE "B". SEE SERIAL PAD-001 SHEET 3 OF 10 SHT. 15-21
(12) BUILD CURB RAMP TYPE "C". SEE SERIAL PAD-001 SHEET 4 OF 10 SHT. 15-22
(13) BUILD SLOPE PAVING SEE DETAIL SHEET 2-7
(14) BUILD RETAINING WALL. SEE DETAIL SHEET 2-27 TO 2-31
(15) BUILD 5' CURB TAPER.
(16) ~~SAWCUT &~~ MATCH EXISTING ~~CURB/ PAVEMENT~~

AS BUILT INFORMATION

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on sold drop inlet.
NGVD 29 Elev. = 4984.00'

CONTRACTOR A.S. HORNER
WORK STAKED BY SNIDER MILLER 7/06 DATE
INSPECTOR'S DRAWINGS BY BCPWD 7/09 DATE
FIELD VERIFICATION BY BCPWD 5/09 DATE
DRAWINGS CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/7/07

NO.	DATE	REMARKS	BY
1	04/09	REVISED DRIVEWAY & GATE	V&V

DESIGN
DESIGNED BY JB DATE 08/07
DRAWN BY RJ DATE 08/07
CHECKED BY NA DATE 08/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BLVD. PLAN AND PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-15

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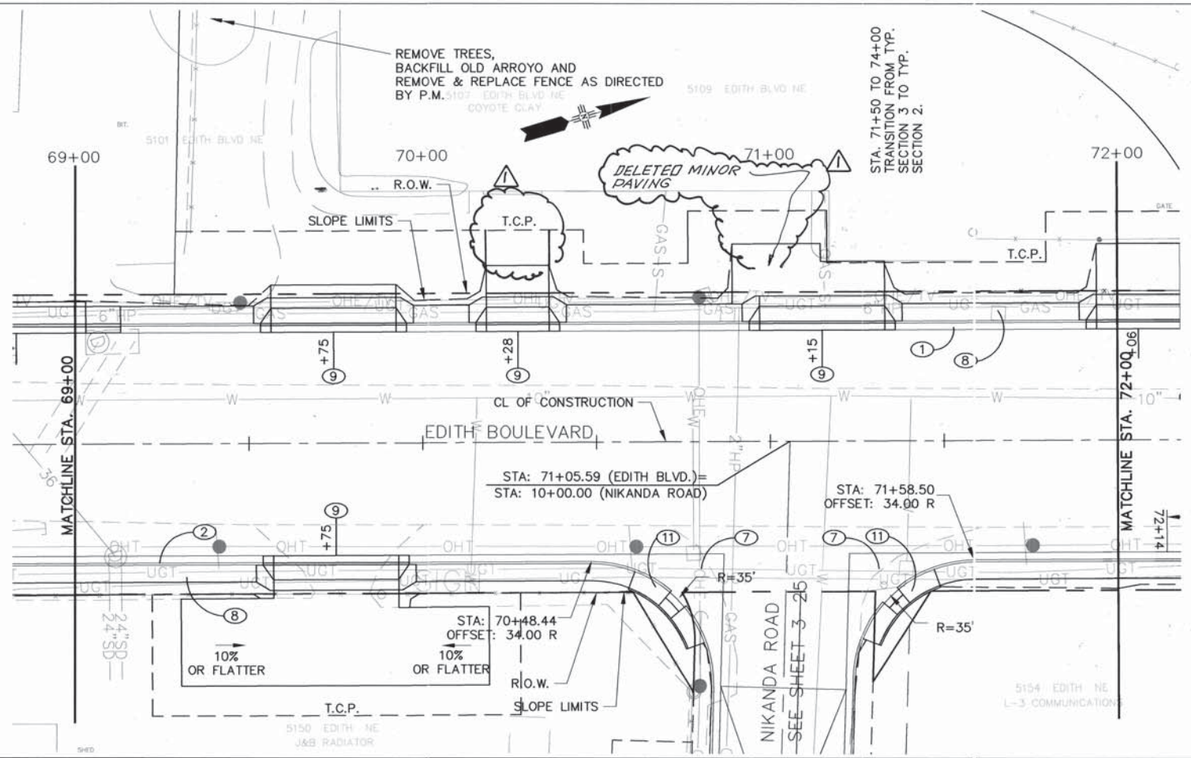

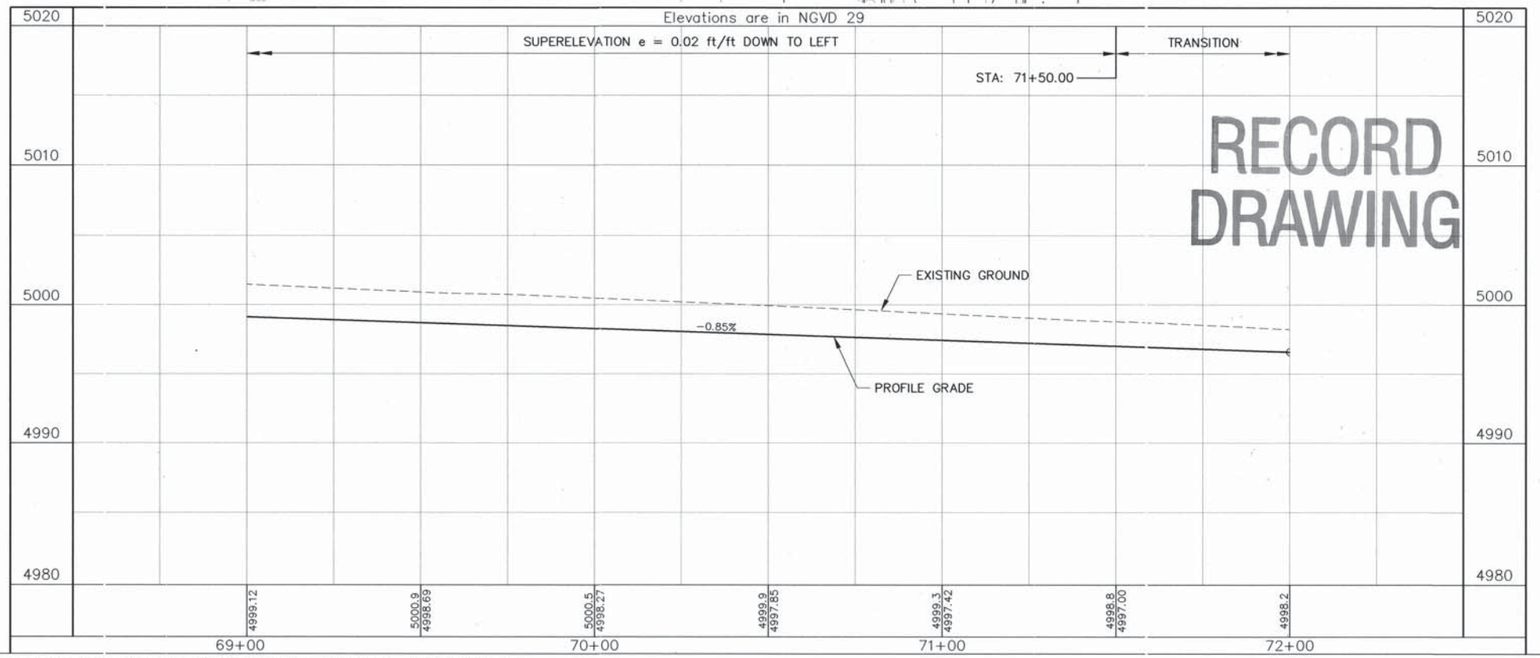

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. STATION AND OFFSETS FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
2. CURVE DATA FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.

KEYED NOTES:

(1) BUILD STANDARD CURB & GUTTER. SEE DETAIL SHEET 16-9

(2) BUILD DEPRESSED CURB & GUTTER. SEE DETAIL SHEET 16-9

(3) BUILD MEDIAN CURB & GUTTER. SEE DETAIL SHEET 16-9

(4) REMOVE TREE(S)

(5) BUILD MEDIAN PAVEMENT

(6) BUILD VALLEY GUTTER. SEE DETAIL SHEET 16-10

(7) BUILD CONCRETE FILLET. MATCH ROADWAY GRADES. SEE DETAIL SHEET 16-10

(8) BUILD 4" CONCRETE SIDEWALK. SEE DETAIL SHEET 2-4

(9) BUILD CONCRETE DRIVEPAD. SEE DETAIL SHEET 2-10 & 2-11

(10) COORDINATE WITH QWEST TO ADJUST MANHOLE TO GRADE

(11) BUILD CURB RAMP TYPE "B". SEE SERIAL PAD-001 SHEET 3 OF 10 SHT. 15-21

(12) BUILD CURB RAMP TYPE "C". SEE SERIAL PAD-001 SHEET 4 OF 10 SHT. 15-22

(13) BUILD SLOPE PAVING SEE DETAIL SHEET 2-7

(14) BUILD RETAINING WALL. SEE DETAIL SHEET 2-27 TO 2-31

(15) BUILD 5' CURB TAPER.

(16) ~~SAWCUT &~~ MATCH EXISTING ~~CURB & PAVEMENT~~

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK PERFORMED BY SOUDER MILLER DATE
INSPECTORS ACCEPTANCE BY BCPWD 1/09 DATE
VERIFICATION BY BCPWD 1/09 DATE
CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE. centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
8/1/07

NO.	DATE	REMARKS	BY
1	1/09	REVISED DRIVE PADS	VRV

DESIGN
DESIGNED BY JB DATE 08/07
DRAWN BY RJ DATE 08/07
CHECKED BY NA DATE 08/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BLVD. PLAN AND PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 3-16

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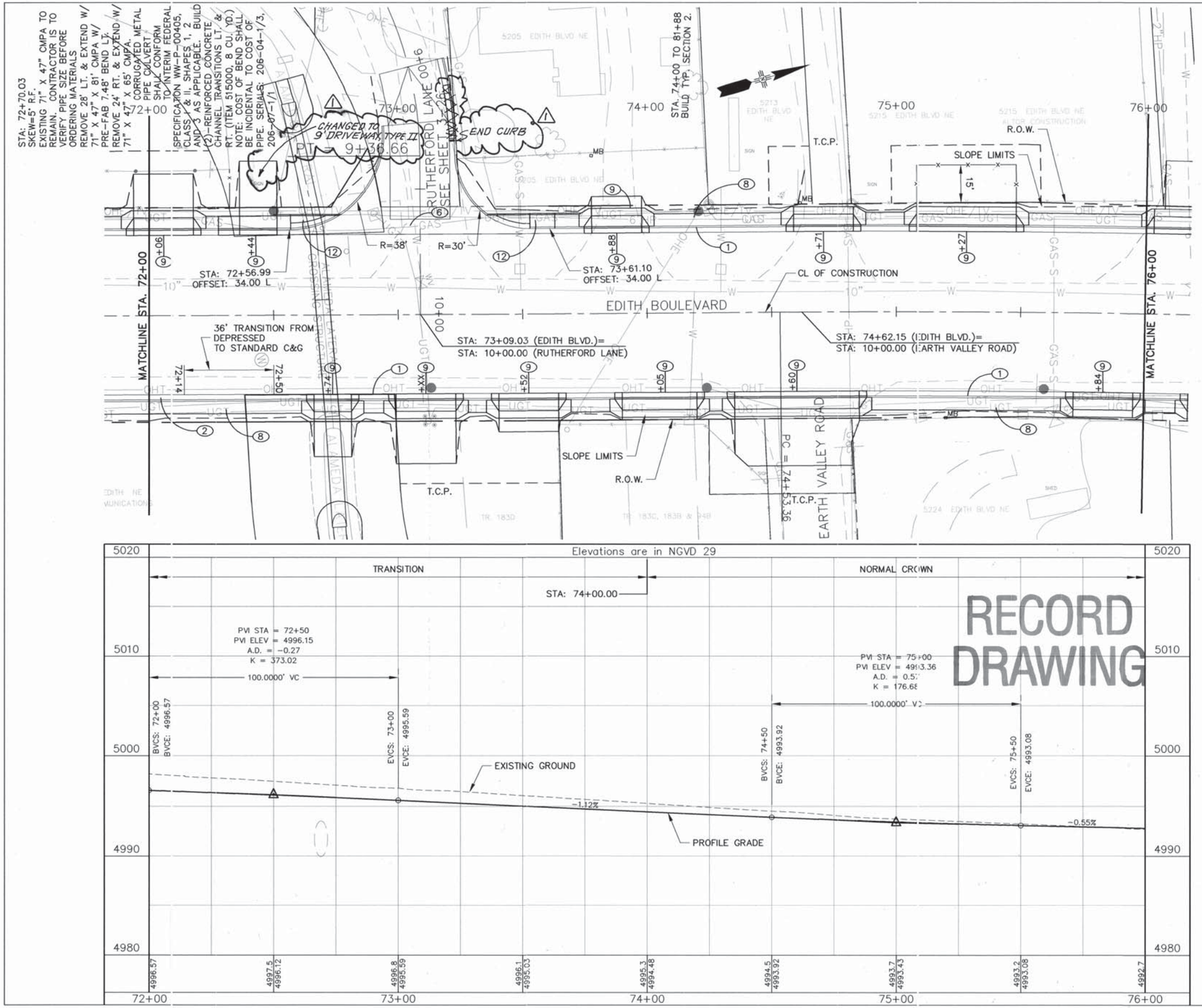

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. STATION AND OFFSETS FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
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KEYED NOTES:

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(4) REMOVE TREE(S)

(5) BUILD MEDIAN PAVEMENT

(6) BUILD VALLEY GUTTER. SEE DETAIL SHEET 16-10

(7) BUILD CONCRETE FILLET. MATCH ROADWAY GRADES. SEE DETAIL SHEET 16-10

(8) BUILD 4" CONCRETE SIDEWALK. SEE DETAIL SHEET 2-4

(9) BUILD CONCRETE DRIVEPAD. SEE DETAIL SHEET 2-10 & 2-11

(10) COORDINATE WITH QWEST TO ADJUST MANHOLE TO GRADE

(11) BUILD CURB RAMP TYPE "B". SEE SERIAL PAD-001 SHEET 3 OF 10 SHT: 15-21

(12) BUILD CURB RAMP TYPE "C". SEE SERIAL PAD-001 SHEET 4 OF 10 SHT: 15-22

(13) BUILD SLOPE PAVING SEE DETAIL SHEET 2-7

(14) BUILD RETAINING WALL. SEE DETAIL SHEET 2-27 TO 2-31

(15) BUILD 5' CURB TAPER.

(16) ~~SAWCUT &~~ MATCH EXISTING ~~CURB/ PAVEMENT~~

PB Parsons Brinckerhoff

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION

CONTRACTOR	A.S. HORNER
WORK STAKED BY	SNYDER MILLER 7/06 DATE
INSPECTORS	
ACCEPTANCE BY	B&PWD 7/09 DATE
FIELD VERIFICATION BY	B&PWD 7/09 DATE
FINAL MAP CORRECTED BY	P.B. 8/07 DATE
REVISED BY	MICRO-FILM INFORMATION
RECORDED BY	DATE
NO.	

ENGINEER'S SEAL
JAMES H. BUGHMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 11/1/07

NO.	DATE	REMARKS	BY
1	5/09	REVISED PLAN	VRV

DESIGN
DESIGNED BY JB DATE 08/07
DRAWN BY RJ DATE 08/07
CHECKED BY NA DATE 08/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BLVD. PLAN AND PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-17

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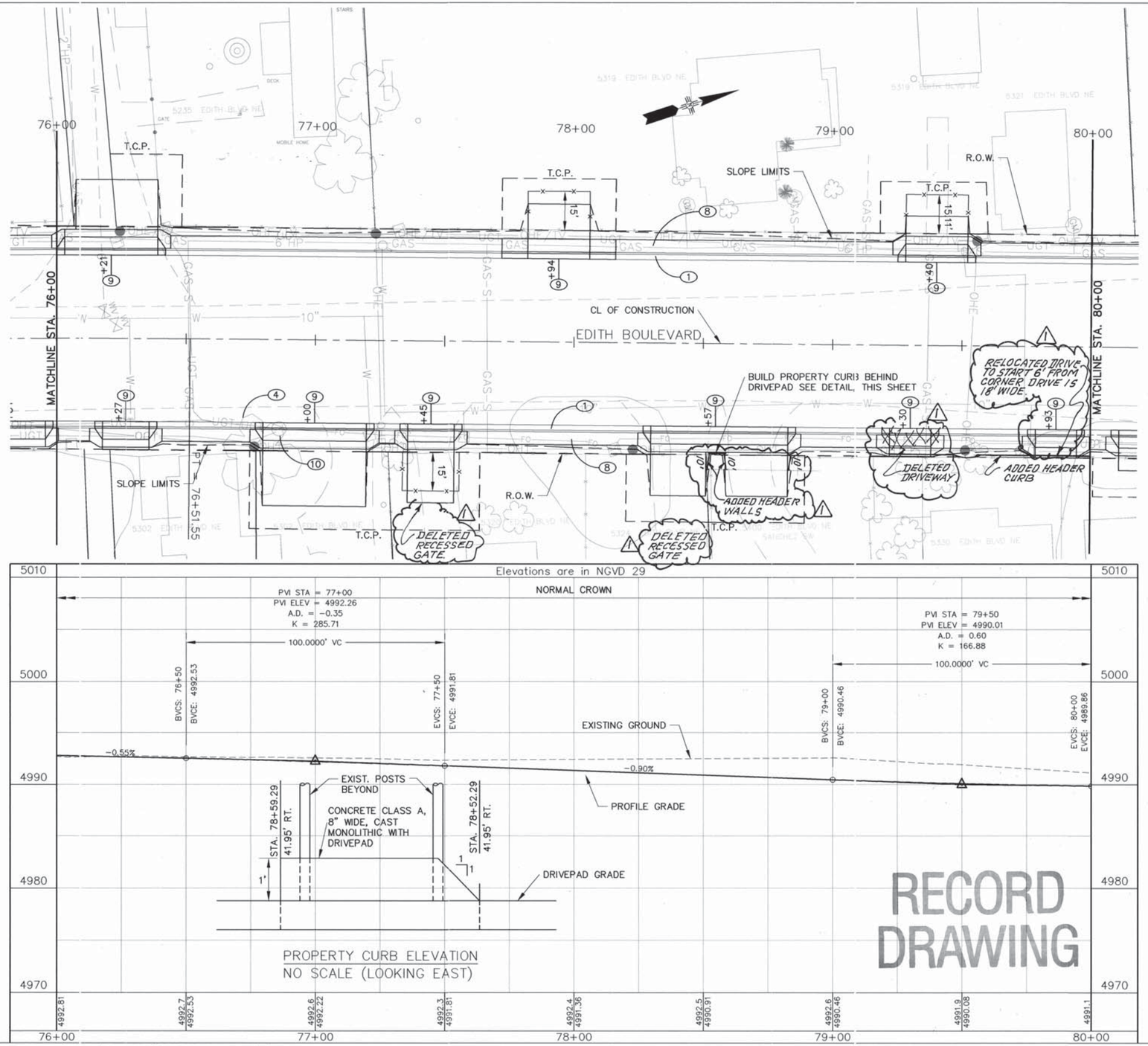

PROPERTY CURB ELEVATION
NO SCALE (LOOKING EAST)

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. STATION AND OFFSETS FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
2. CURVE DATA FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.

KEYED NOTES:

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(4) REMOVE TREE(S)

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(7) BUILD CONCRETE FILLET. MATCH ROADWAY GRADES. SEE DETAIL SHEET 16-10

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(9) BUILD CONCRETE DRIVEPAD. SEE DETAIL SHEET 2-10 & 2-11

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(13) BUILD SLOPE PAVING SEE DETAIL SHEET 2-7

(14) BUILD RETAINING WALL. SEE DETAIL SHEET 2-27 TO 2-31

(15) BUILD 5' CURB TAPER.

(16) ~~SAWCUT~~ & MATCH EXISTING ~~CURB/ PAVEMENT~~

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER DATE
WORK STAKED BY SOLDER MILLER DATE
INSPECTORS FIELD CHANGES BY BCPWD 1/09 DATE
VERIFICATION BY BCPWD 1/09 DATE
CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCHMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER
4/1/07

NO.	DATE	BY	REMARKS	DESIGN
1	04/09	VRV	REVISED GATES & DRIVEWAYS	DESIGNED BY JB DATE 08/07
				DRAWN BY RJ DATE 08/07
				CHECKED BY NA DATE 08/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BLVD. PLAN AND PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 3-18

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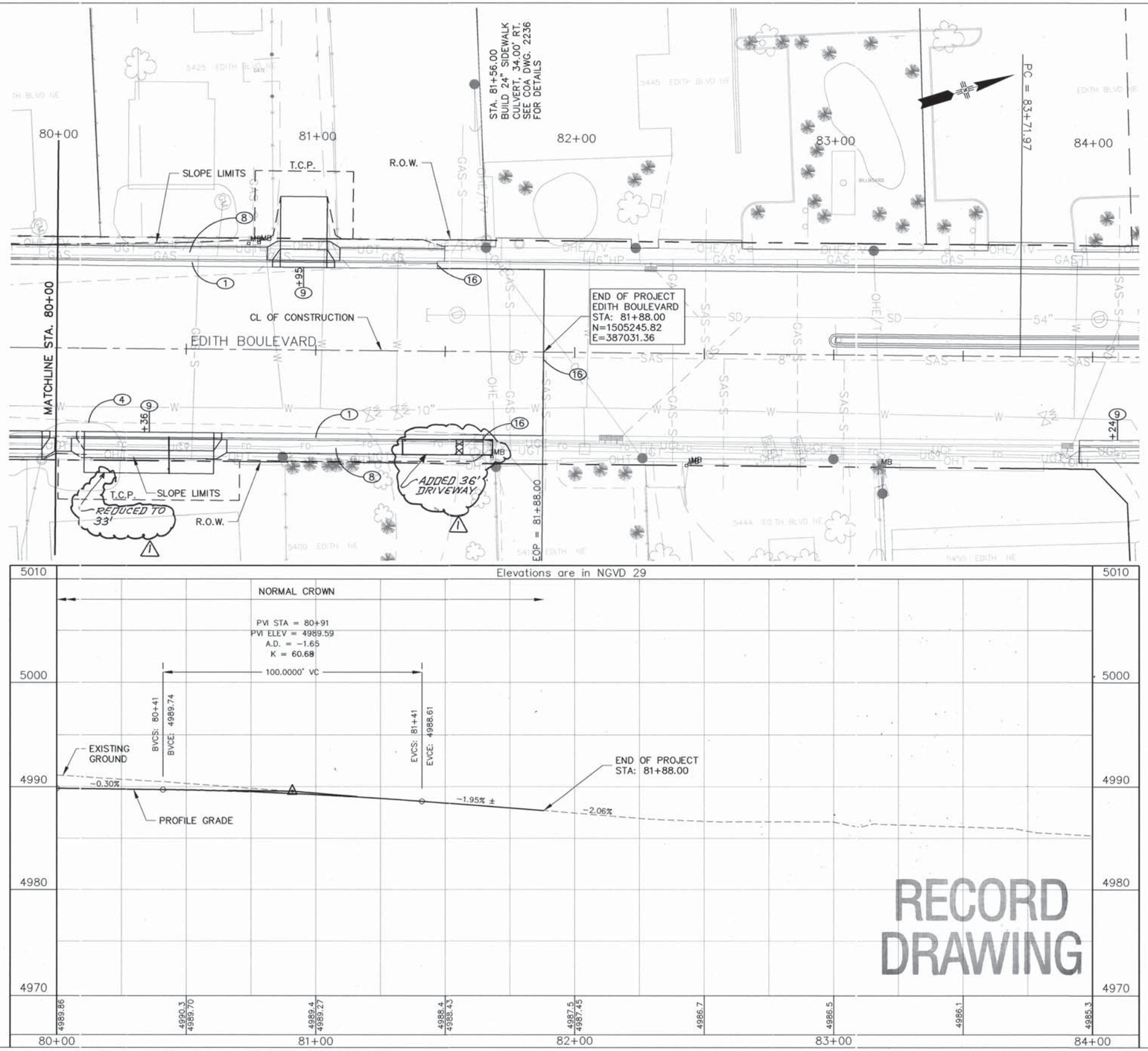

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GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
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GENERAL NOTES

1. STATION AND OFFSETS FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
2. CURVE DATA FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.

KEYED NOTES:

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(2) BUILD DEPRESSED CURB & GUTTER. SEE DETAIL SHEET 16-9
(3) BUILD MEDIAN CURB & GUTTER. SEE DETAIL SHEET 16-9
(4) REMOVE TREE(S)
(5) BUILD MEDIAN PAVEMENT
(6) BUILD VALLEY GUTTER. SEE DETAIL SHEET 16-10
(7) BUILD CONCRETE FILLET. MATCH ROADWAY GRADES. SEE DETAIL SHEET 16-10
(8) BUILD 4" CONCRETE SIDEWALK. SEE DETAIL SHEET 2-4
(9) BUILD CONCRETE DRIVEPAD. SEE DETAIL SHEET 2-10 & 2-11
(10) COORDINATE WITH QWEST TO ADJUST MANHOLE TO GRADE
(11) BUILD CURB RAMP TYPE "B". SEE SERIAL PAD-001 SHEET 3 OF 10 ~~SHT.~~ 15-21
(12) BUILD CURB RAMP TYPE "C". SEE SERIAL PAD-001 SHEET 4 OF 10 ~~SHT.~~ 15-22
(13) BUILD SLOPE PAVING SEE DETAIL SHEET 2-7
(14) BUILD RETAINING WALL. SEE DETAIL SHEET 2-27 TO 2-31
(15) BUILD 5' CURB TAPER.
(16) ~~SAWCUT &~~ MATCH EXISTING ~~CURB/ PAVEMENT~~

AS BUILT INFORMATION

CONTRACTOR: A.S. HORNER
WORK STAKED BY: SNYDER MILLER 1/08 DATE
INSPECTORS: BCPWD 1/09 DATE
ACCEPTANCE BY: BCPWD 1/09 DATE
VERIFICATION BY: BCPWD 5/09 DATE
CORRECTED BY: P.B. 5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY: DATE
NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCHMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 5/11/09

NO.	DATE	REVISED DRIVEWAYS	BY
1	04/09		VRV

REMARKS

DESIGN

DESIGNED BY JB DATE 08/07
DRAWN BY RJ DATE 08/07
CHECKED BY NA DATE 08/07

PB Parsons Brinckerhoff

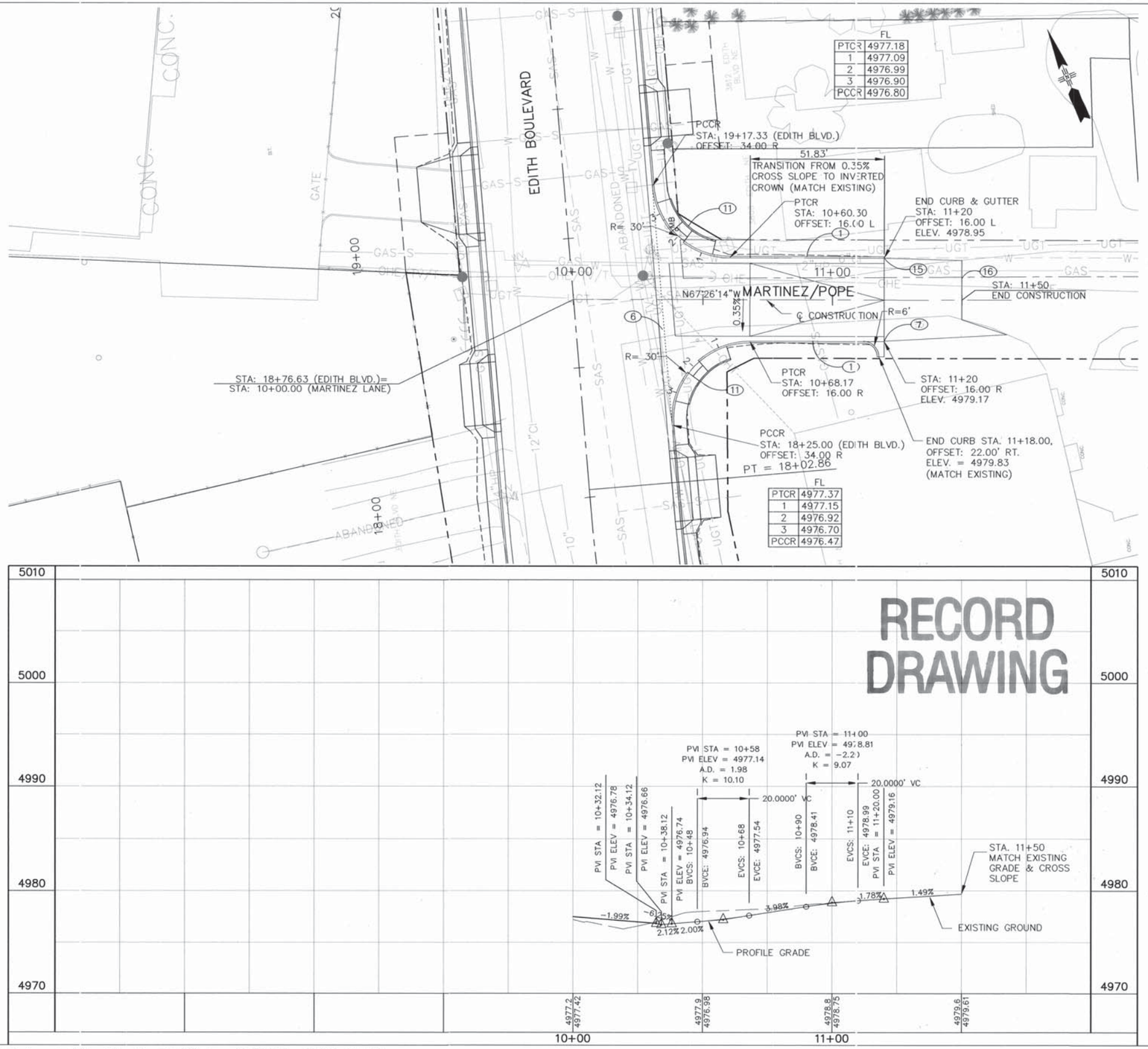
COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

EDITH BLVD. PLAN AND PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 3-19



GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. STATION AND OFFSETS FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
2. CURVE DATA FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.

KEYED NOTES:

(1) BUILD STANDARD CURB & GUTTER. SEE DETAIL SHEET 16-9

(2) BUILD DEPRESSED CURB & GUTTER. SEE DETAIL SHEET 16-9

(3) BUILD MEDIAN CURB & GUTTER. SEE DETAIL SHEET 16-9

(4) REMOVE TREE(S)

(5) BUILD MEDIAN PAVEMENT

(6) BUILD VALLEY GUTTER. SEE DETAIL SHEET 16-10

(7) BUILD CONCRETE FILLET. MATCH ROADWAY GRADES. SEE DETAIL SHEET 16-10

(8) BUILD 4" CONCRETE SIDEWALK. SEE DETAIL SHEET 2-4

(9) BUILD CONCRETE DRIVEPAD. SEE DETAIL SHEET 2-10 & 2-11

(10) COORDINATE WITH QWEST TO ADJUST MANHOLE TO GRADE

(11) BUILD CURB RAMP TYPE "B". SEE SHEET 15-21.

(12) BUILD CURB RAMP TYPE "C". SEE SHEET 15-22.

(13) BUILD SLOPE PAVING SEE DETAIL SHEET 2-7

(14) BUILD RETAINING WALL. SEE DETAIL SHEET 2-27 TO 2-31

(15) BUILD 5' CURB TAPER.

(16) MATCH EXISTING

AS BUILT INFORMATION
CONTRACTOR A.S. HORVER DATE
WORK INSPECTED BY SNYDER MILLER 7/06 DATE
INSPECTOR'S ACCEPTANCE BY BCPWD 7/09 DATE
FIELD VERIFICATION BY BCPWD 4/07 DATE
DRAWINGS CORRECTED BY P.B. 5/01 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BURKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY JB	DATE 08/07
		DRAWN BY RJ	DATE 08/07
		CHECKED BY NA	DATE 08/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
MARTINEZ/POPE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-20

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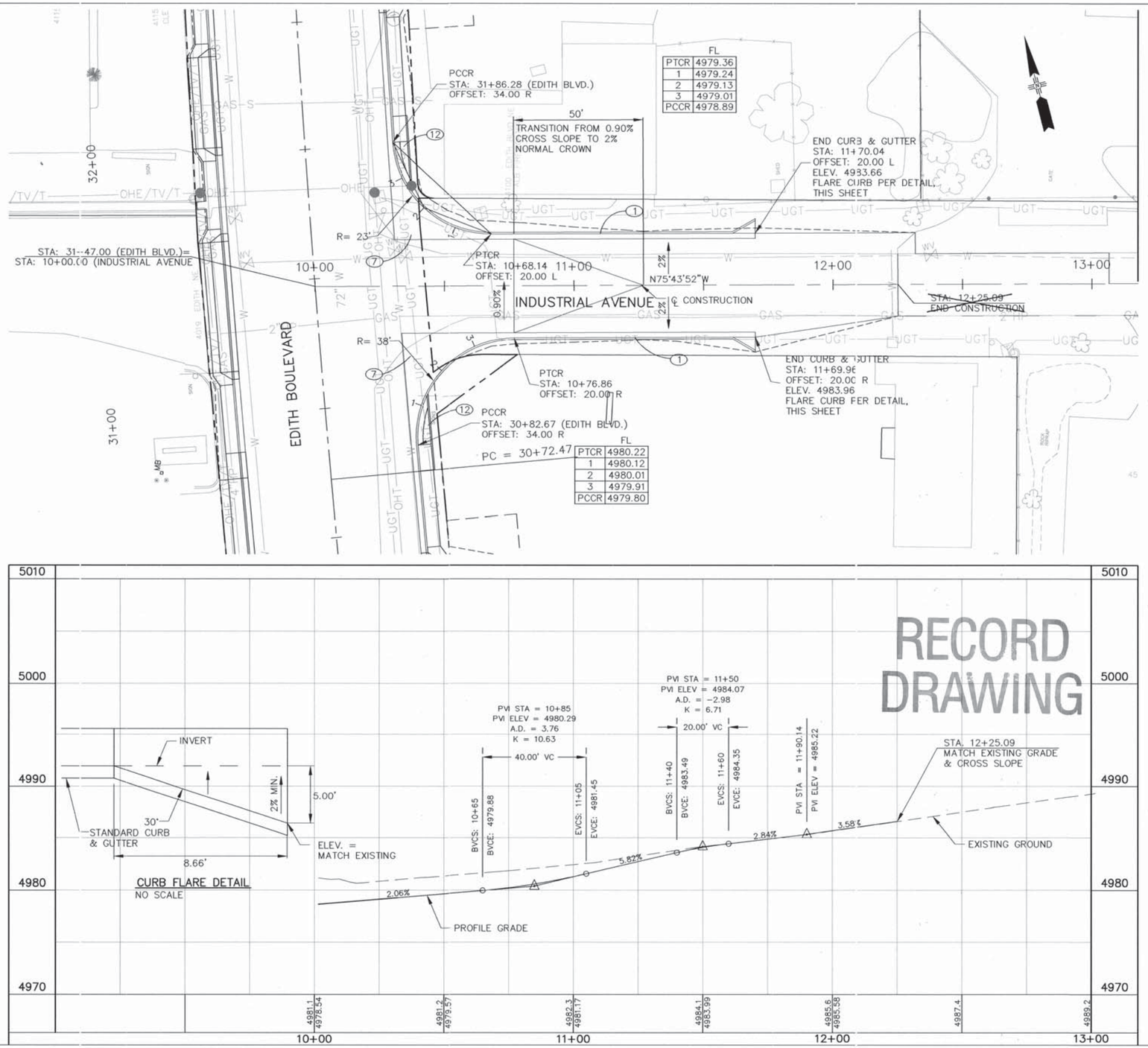

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.

HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. STATION AND OFFSETS FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
2. CURVE DATA FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.

KEYED NOTES:

(1) BUILD STANDARD CURB & GUTTER. SEE DETAIL SHEET 16-9

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(14) BUILD RETAINING WALL. SEE DETAIL SHEET 2-27 TO 2-31

(15) BUILD 5' CURB TAPER.

(16) MATCH EXISTING

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNYDER MILLER 7/08 DATE
INSPECTION & CONSTRUCTION STAKING BY BCPWD 7/09 DATE
FIELD VERIFICATION BY BCPWD 7/09 DATE
AS-BUILTING BY P.B. 5/09 DATE
CORRECTED BY MICRO-FILM INFORMATION DATE
RECORDED BY
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JAMES H. BUCHMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/17/07

NO.	DATE	REMARKS	BY

DESIGN
DESIGNED BY JB DATE 08/07
DRAWN BY RJ DATE 08/07
CHECKED BY NA DATE 08/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
INDUSTRIAL AVENUE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-21

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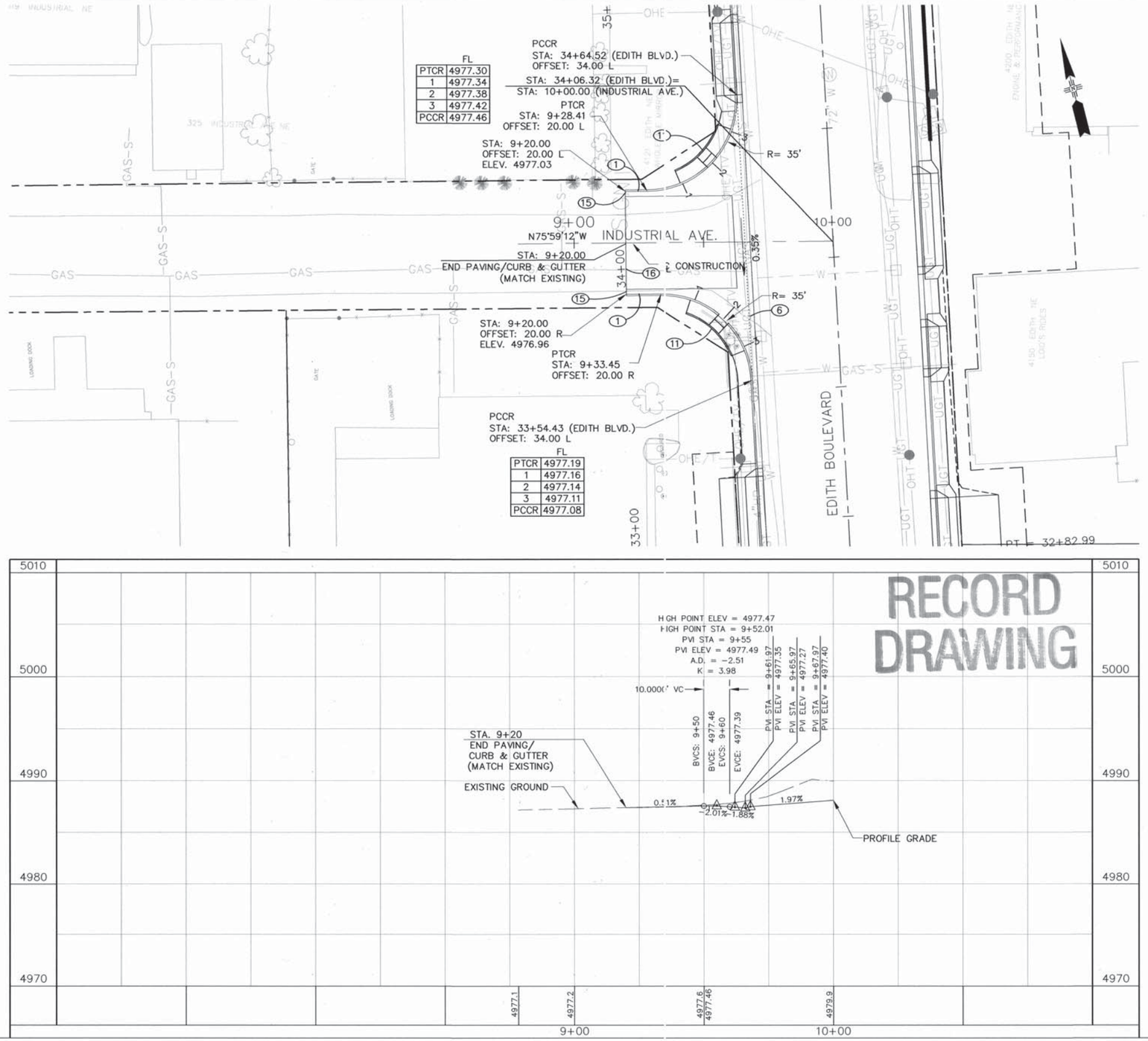

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. STATION AND OFFSETS FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
2. CURVE DATA FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.

KEYED NOTES:

1. BUILD STANDARD CURB & GUTTER. SEE DETAIL SHEET 16-9
2. BUILD DEPRESSED CURB & GUTTER. SEE DETAIL SHEET 16-9
3. BUILD MEDIAN CURB & GUTTER. SEE DETAIL SHEET 16-9
4. REMOVE TREE(S)
5. BUILD MEDIAN PAVEMENT
6. BUILD VALLEY GUTTER. SEE DETAIL SHEET 16-10
7. BUILD CONCRETE FILLET. MATCH ROADWAY GRADES. SEE DETAIL SHEET 16-10
8. BUILD 4" CONCRETE SIDEWALK. SEE DETAIL SHEET 2-4
9. BUILD CONCRETE DRIVEPAD. SEE DETAIL SHEET 2-10 & 2-11
10. COORDINATE WITH QWEST TO ADJUST MANHOLE TO GRADE
11. BUILD CURB RAMP TYPE "B". SEE SERIAL PAD-001 SHEET 3 OF 10 SHT. 15-21
12. BUILD CURB RAMP TYPE "C". SEE SERIAL PAD-001 SHEET 4 OF 10 SHT. 15-22
13. BUILD SLOPE PAVING SEE DETAIL SHEET 2-7
14. BUILD RETAINING WALL. SEE DETAIL SHEET 2-27 TO 2-31
15. BUILD 5' CURB TAPER.
16. ~~SAWCUT &~~ MATCH EXISTING ~~CURB/ PAVEMENT~~

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER
WORK STAKED BY SNYDER, KILLER 3/08 DATE
INSPECTIONS BY B&PWD 3/09 DATE
FIELD VERIFICATION BY B&PWD 3/09 DATE
DRAWINGS CORRECTED BY P.B. 6/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE. centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
1/1/07

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY JB DATE 08/07
DRAWN BY RJ DATE 08/07
CHECKED BY NA DATE 08/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
INDUSTRIAL AVENUE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-22

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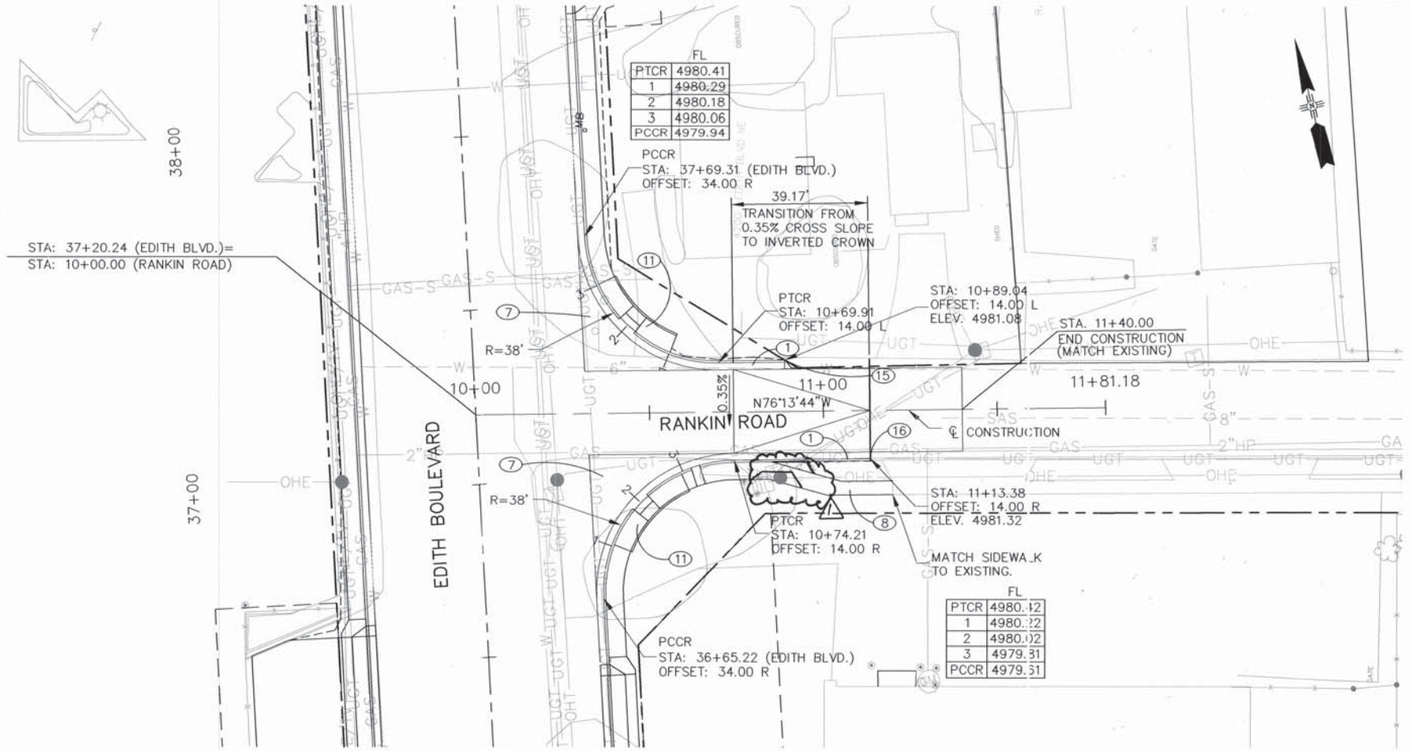

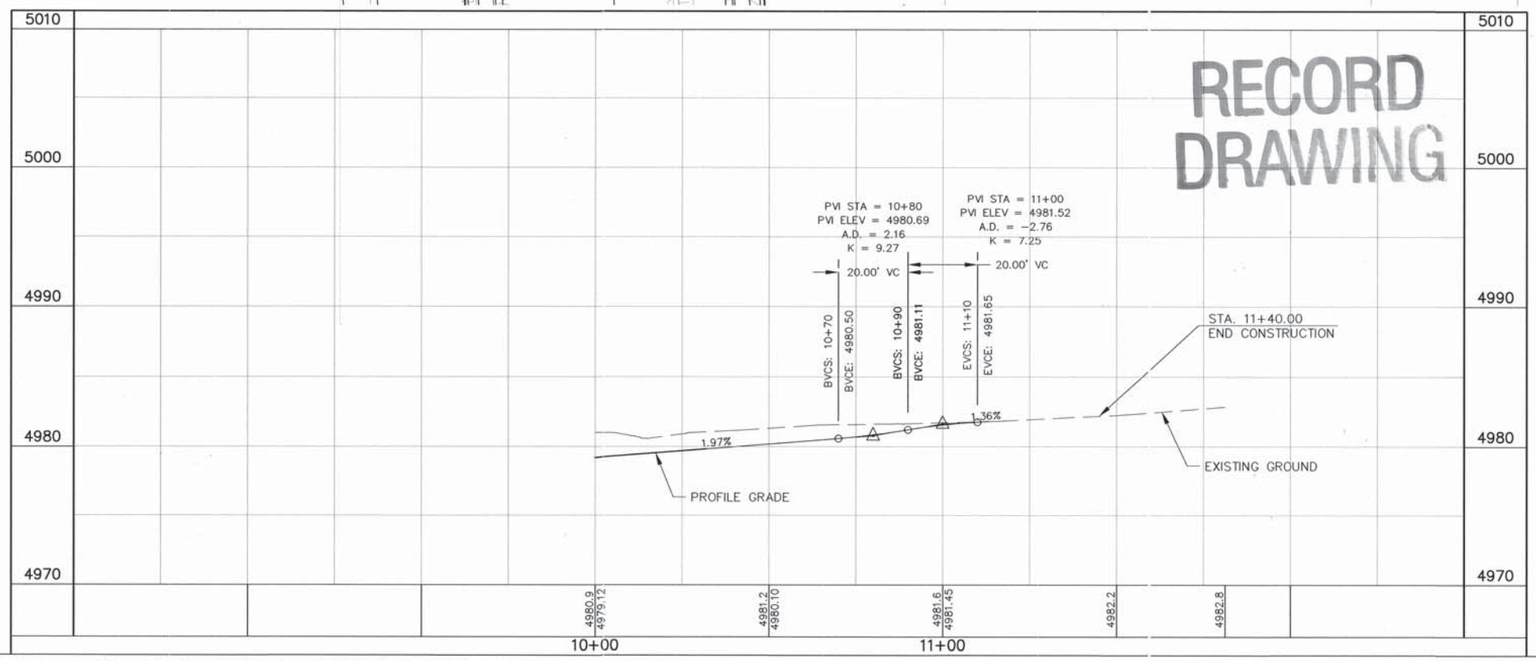

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. STATION AND OFFSETS FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
2. CURVE DATA FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.

KEYED NOTES:

(1) BUILD STANDARD CURB & GUTTER. SEE DETAIL SHEET 16-9
(2) BUILD DEPRESSED CURB & GUTTER. SEE DETAIL SHEET 16-9
(3) BUILD MEDIAN CURB & GUTTER. SEE DETAIL SHEET 16-9
(4) REMOVE TREE(S)
(5) BUILD MEDIAN PAVEMENT
(6) BUILD VALLEY GUTTER. SEE DETAIL SHEET 16-10
(7) BUILD CONCRETE FILLET. MATCH ROADWAY GRADES. SEE DETAIL SHEET 16-10
(8) BUILD 4" CONCRETE SIDEWALK. SEE DETAIL SHEET 2-4
(9) BUILD CONCRETE DRIVEPAD. SEE DETAIL SHEET 2-10 & 2-11
(10) COORDINATE WITH QWEST TO ADJUST MANHOLE TO GRADE
(11) BUILD CURB RAMP TYPE "B". SEE SHEET 15-21.
(12) BUILD CURB RAMP TYPE "C". SEE SHEET 15-22
(13) BUILD SLOPE PAVING SEE DETAIL SHEET 2-7
(14) BUILD RETAINING WALL. SEE DETAIL SHEET 2-27 TO 2-31
(15) BUILD 5' CURB TAPER.
(16) MATCH EXISTING

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER DATE 7/08
WORK STAKED BY SNYDER MILLER DATE 7/08
INSPECTORS FIELD CHANGE BY BCPWD 1/09 DATE
FIELD VERIFICATION BY BCPWD 1/09 DATE
UNDERGROUND CORRECTION BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet. ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BURMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
9/11/07

NO.	DATE	REMARKS	BY
1	04/09	REVISED SIDEWALK	VRV

DESIGN
DESIGNED BY JB DATE 08/07
DRAWN BY RJ DATE 08/07
CHECKED BY NA DATE 08/07

Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
RANKIN ROAD

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 3-23

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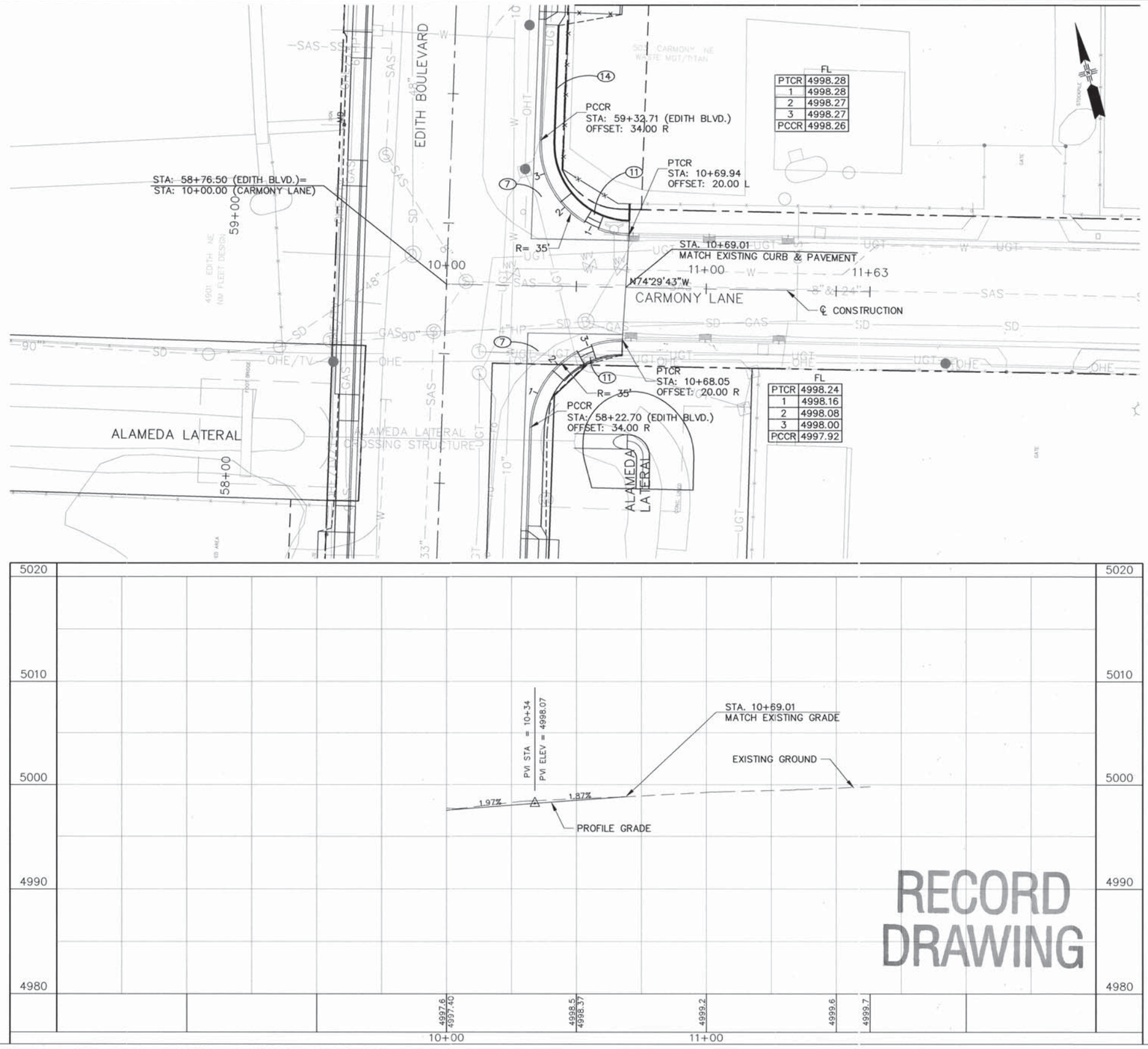

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. STATION AND OFFSETS FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
2. CURVE DATA FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.

KEYED NOTES:

1. BUILD STANDARD CURB & GUTTER. SEE DETAIL SHEET 16-9
2. BUILD DEPRESSED CURB & GUTTER. SEE DETAIL SHEET 16-9
3. BUILD MEDIAN CURB & GUTTER. SEE DETAIL SHEET 16-9
4. REMOVE TREE(S)
5. BUILD MEDIAN PAVEMENT
6. BUILD VALLEY GUTTER. SEE DETAIL SHEET 16-10
7. BUILD CONCRETE FILLET. MATCH ROADWAY GRADES. SEE DETAIL SHEET 16-10
8. BUILD 4" CONCRETE SIDEWALK. SEE DETAIL SHEET 2-4
9. BUILD CONCRETE DRIVEPAD. SEE DETAIL SHEET 2-10 & 2-11
10. COORDINATE WITH QWEST TO ADJUST MANHOLE TO GRADE
11. BUILD CURB RAMP TYPE "B". SEE SERIAL PAD-001 SHEET 3 OF 10 SHT. 15-21
12. BUILD CURB RAMP TYPE "C". SEE SERIAL PAD-001 SHEET 4 OF 10 SHT. 15-22
13. BUILD SLOPE PAVING SEE DETAIL SHEET 2-7
14. BUILD RETAINING WALL. SEE DETAIL SHEET 2-27 TO 2-31
15. BUILD 5' CURB TAPER.
16. ~~SAWCUT &~~ MATCH EXISTING ~~CURB & PAVEMENT~~

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER DATE
WORK STAKED BY SNYDER MILLER 1/08 DATE
INSPECTORS FIELD CHANGES BY BAPWD 1/09 DATE
VERIFICATION BY BAPWD 1/09 DATE
ALL WORK CORRECTED BY P.B. 2/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCHMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER
4/17/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY JB	DATE 08/07
		DRAWN BY RJ	DATE 08/07
		CHECKED BY NA	DATE 08/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
CARMONY LANE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-24

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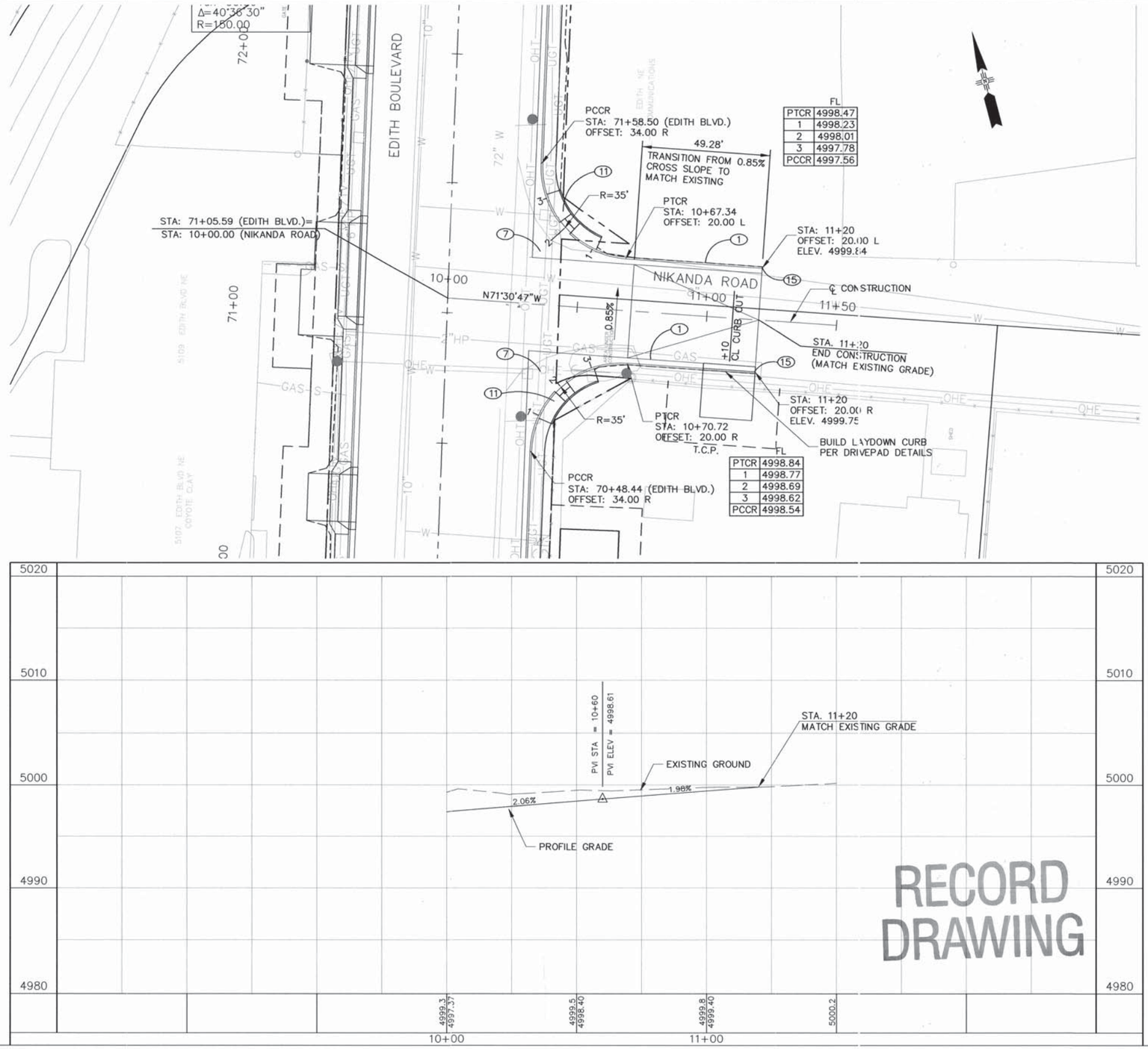

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. STATION AND OFFSETS FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
2. CURVE DATA FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.

KEYED NOTES:

(1) BUILD STANDARD CURB & GUTTER. SEE DETAIL SHEET 16-9

(2) BUILD DEPRESSED CURB & GUTTER. SEE DETAIL SHEET 16-9

(3) BUILD MEDIAN CURB & GUTTER. SEE DETAIL SHEET 16-9

(4) REMOVE TREE(S)

(5) BUILD MEDIAN PAVEMENT

(6) BUILD VALLEY GUTTER. SEE DETAIL SHEET 16-10

(7) BUILD CONCRETE FILLET. MATCH ROADWAY GRADES. SEE DETAIL SHEET 16-10

(8) BUILD 4" CONCRETE SIDEWALK. SEE DETAIL SHEET 2-4

(9) BUILD CONCRETE DRIVEPAD. SEE DETAIL SHEET 2-10 & 2-11

(10) COORDINATE WITH QWEST TO ADJUST MANHOLE TO GRADE

(11) BUILD CURB RAMP TYPE "B". SEE SERIAL PAD-001 SHEET 3 OF 10 SHT. 15-21

(12) BUILD CURB RAMP TYPE "C". SEE SERIAL PAD-001 SHEET 4 OF 10 SHT. 15-22

(13) BUILD SLOPE PAVING SEE DETAIL SHEET 2-7

(14) BUILD RETAINING WALL. SEE DETAIL SHEET 2-27 TO 2-31

(15) BUILD 5' CURB TAPER.

(16) ~~SAWCUT &~~ MATCH EXISTING ~~CURB/ PAVEMENT~~

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SOUDER MILLER 1/09 DATE
INSPECTORS FIELD CHANGES BY BCPWD 1/09 DATE
VERIFICATION BY BCPWD 1/09 DATE
CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCHMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/1/07

NO.	DATE	REMARKS	BY	DESIGN	DATE
				DESIGNED BY JB	08/07
				DRAWN BY RJ	08/07
				CHECKED BY NA	08/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
NIKANDA ROAD

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 3-25

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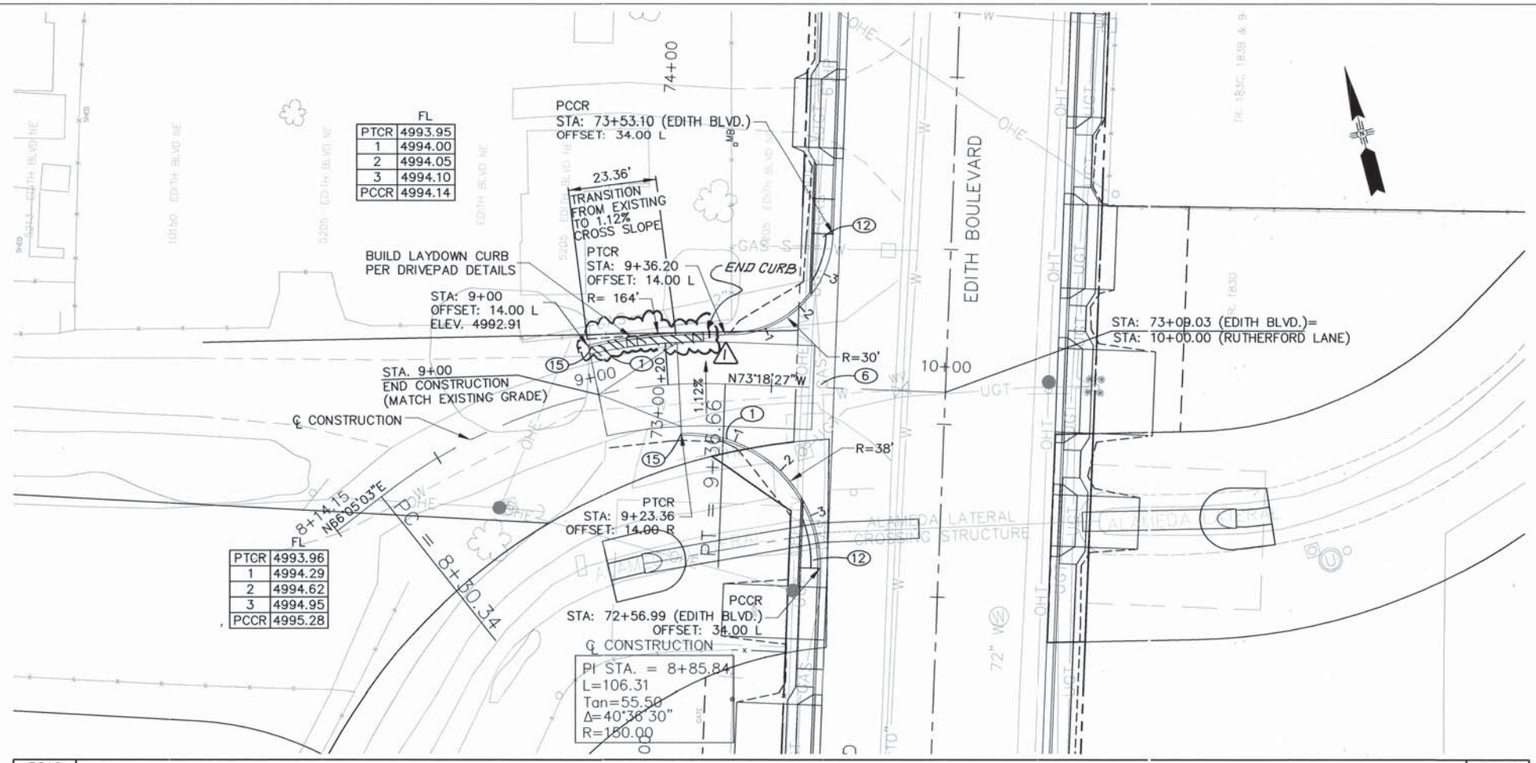

RECORD DRAWING

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.

HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. STATION AND OFFSETS FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
2. CURVE DATA FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.

KEYED NOTES:

1. BUILD STANDARD CURB & GUTTER. SEE DETAIL SHEET 16-9
2. BUILD DEPRESSED CURB & GUTTER. SEE DETAIL SHEET 16-9
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10. COORDINATE WITH QWEST TO ADJUST MANHOLE TO GRADE
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12. BUILD CURB RAMP TYPE "C". SEE SERIAL PAD-001 SHEET 4 OF 10 SHT. 15-22
13. BUILD SLOPE PAVING SEE DETAIL SHEET 2-7
14. BUILD RETAINING WALL. SEE DETAIL SHEET 2-27 TO 2-31
15. BUILD 5' CURB TAPER.
16. ~~SAWCUT &~~ MATCH EXISTING ~~CURB/ PAVEMENT~~

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HOOVER
WORK STAKED BY SNIDER MILLER 3/09 DATE
INSPECTORS ACCEPTANCE BY BERND 1/09 DATE
VERIFICATION BY BERND 1/09 DATE
CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	04/09	REVISED CURB	VRV

DESIGN
DESIGNED BY JB 08/07
DRAWN BY RJ 08/07
CHECKED BY NA 08/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
RUTHERFORD LANE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-26

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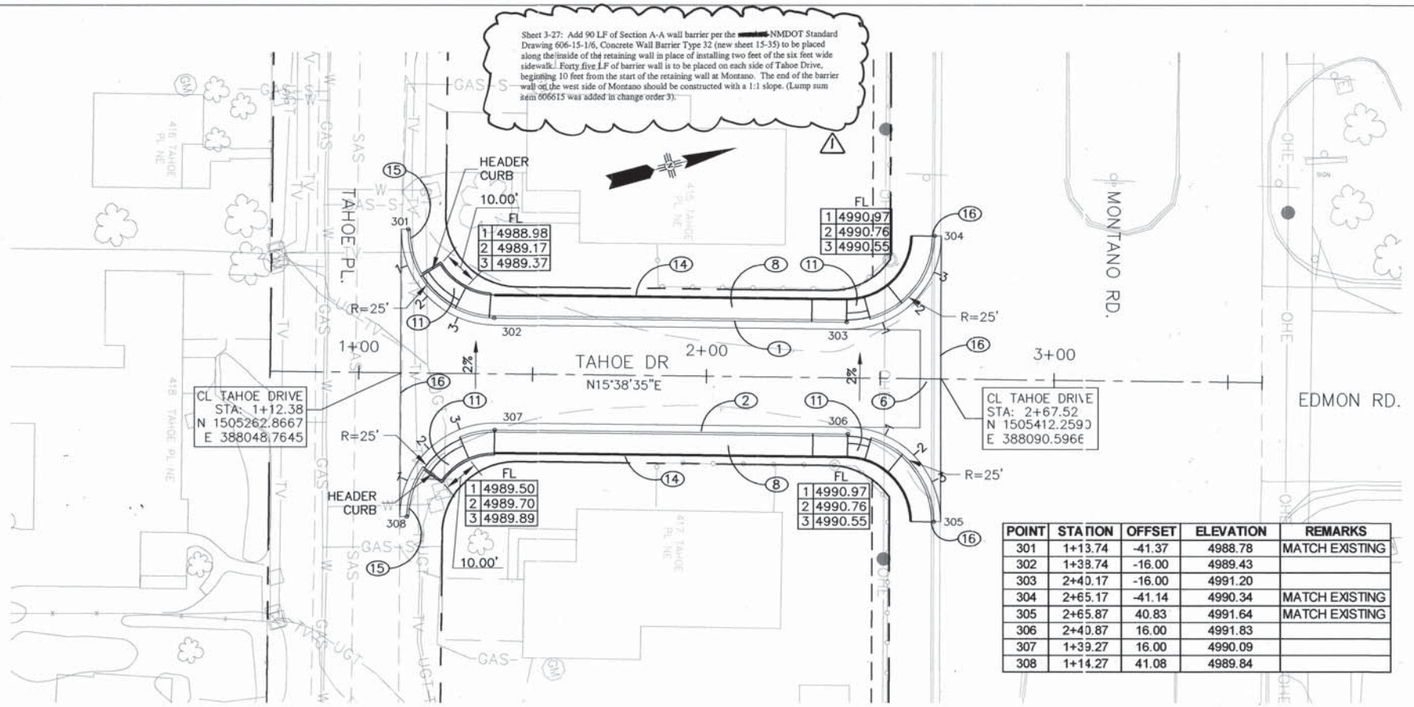

POINT	STATION	OFFSET	ELEVATION	REMARKS
301	1+13.74	-41.37	4988.78	MATCH EXISTING
302	1+38.74	-16.00	4989.43	
303	2+40.17	-16.00	4991.20	
304	2+65.17	-41.14	4990.34	MATCH EXISTING
305	2+65.87	40.83	4991.64	MATCH EXISTING
306	2+40.87	16.00	4991.83	
307	1+39.27	16.00	4990.09	
308	1+14.27	41.08	4989.84	

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. STATION AND OFFSETS FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.
2. CURVE DATA FOR C&G GIVEN TO FLOWLINE UNLESS OTHERWISE NOTED.

KEYED NOTES:

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(13) BUILD SLOPE PAVING SEE DETAIL SHEET 2-7
(14) BUILD RETAINING WALL. SEE DETAIL SHEET 2-27 TO 2-31
(15) BUILD 5' CURB TAPER.
(16) ~~SAWCUT TO~~ MATCH EXISTING ~~CURB/ PAVEMENT~~

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNYDER MILLER 4/06 DATE
INSPECTIONS PERFORMED BY BCPWD 4/09 DATE
VERIFICATION BY BCPWD 3/09 DATE
CORRECTED BY P.B. 3/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 4/17/09

NO.	DATE	REMARKS	BY
1	5/09	ADDED NOTE	VRV

DESIGN
DESIGNED BY JB DATE 08/07
DRAWN BY ? DATE 08/07
CHECKED BY DATE 08/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TAHOE DRIVE PLAN AND PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 3-27

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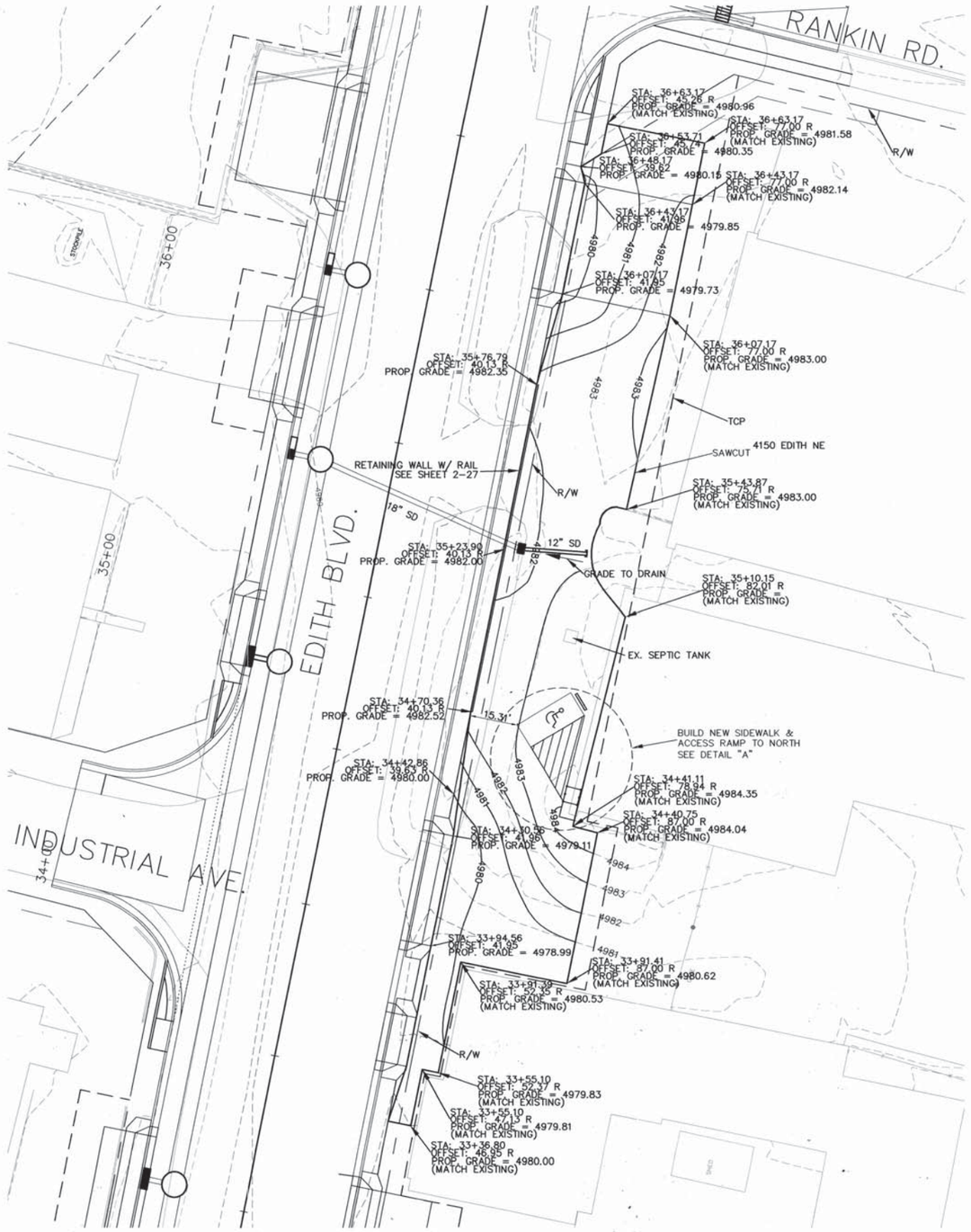
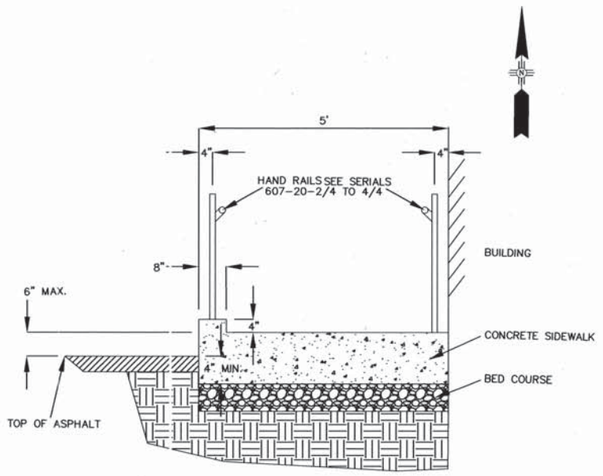
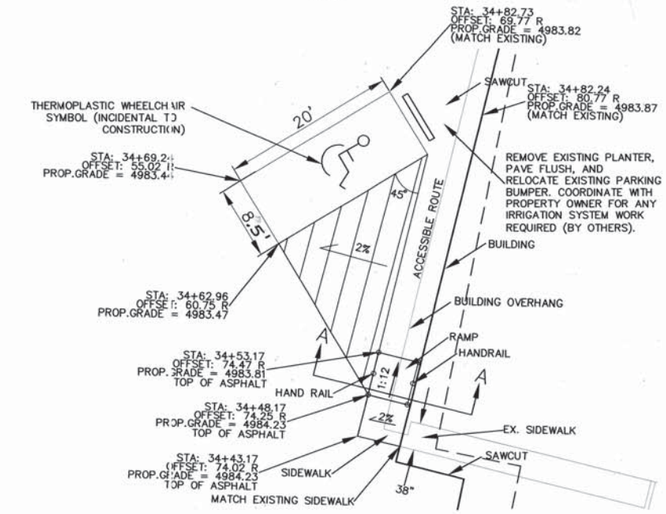




SECTION A–A

N.T.S.



DETAIL "A"

N.T.S.

NOTE:
SIDEWALK FOUNDATION SHALL BE 4" MIN. BELOW ADJACENT GRADE. ADDITIONAL SIDEWALK THICKNESS SHALL BE INCLUDED IN THE COST OF ITEM 608004, CONCRETE SIDEWALK 4".

GRAPHIC SCALE

20 0 10 20 40
(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. GRADE DRIVEWAYS AS PER GRADING PLAN SHOWN. REFER TO RETAINING WALL DETAIL ON SHEET 2-27
2. ACCESSIBLE PARKING SPACE, LANE & ROUTE SHALL HAVE A MAX. SLOPE OF 2%
3. CONTRACTOR SHALL NOTIFY THE PROPERTY OWNER 7 DAYS PRIOR TO PARKING LOT PAVING TO GIVE HIM THE OPPORTUNITY TO CONNECT TO THE NEW SANITARY SEWER STUB.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY Somber Miller 1/08 DATE
INSPECTION BY B.C.P.W.D. 1/09 DATE
FIELD CHANGES BY B.C.P.W.D. 1/09 DATE
VERIFICATION BY B.C.P.W.D. 5/09 DATE
FIELD CHANGES CORRECTED BY P.B. DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BURKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
8/1/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY JB	DATE 8/1/06
		DRAWN BY AB	DATE 8/1/06
		CHECKED BY NA	DATE 8/2/06

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
PARKING LOT GRADING

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-28

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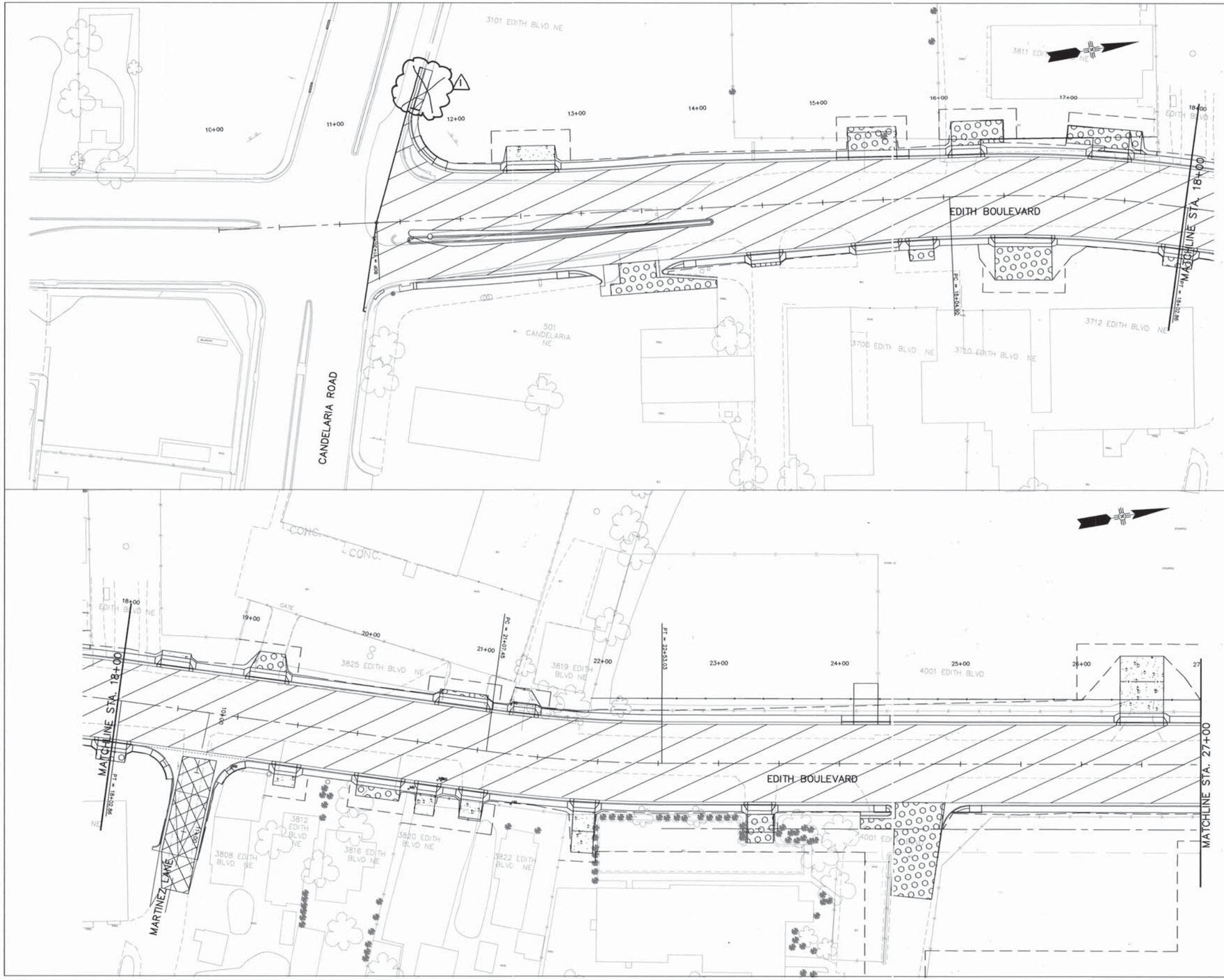

GRAPHIC SCALE

40 0 20 40 80

(IN FEET)
1 inch = 40 ft.

RECORD DRAWING

LEGEND

- PAVEMENT SECTION NO.1 SEE SHEET 2-4
- PAVEMENT SECTION NO.2 SEE SHEET 2-4
- MINOR PAVING SEE SHEET 2-10
- GRAVEL SECTION SEE SHEET 2-10

PB Parsons Brinckerhoff

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION
CONTRACTOR A. S. HORNER
WORK STAKED BY SNIDER MILLER 1/08 DATE
INSPECTION CLEARANCE BY BCPWD 3/09 DATE
FIELD VERIFICATION BY BCPWD 3/09 DATE
FINAL DRAWING CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/17/07

NO.	DATE	REMARKS	BY
1	5/09	DELETED CURB	VRV

DESIGN
DESIGNED BY JB DATE 8/1/07
DRAWN BY CV DATE 8/1/07
CHECKED BY DATE

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
PAVING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 3-29

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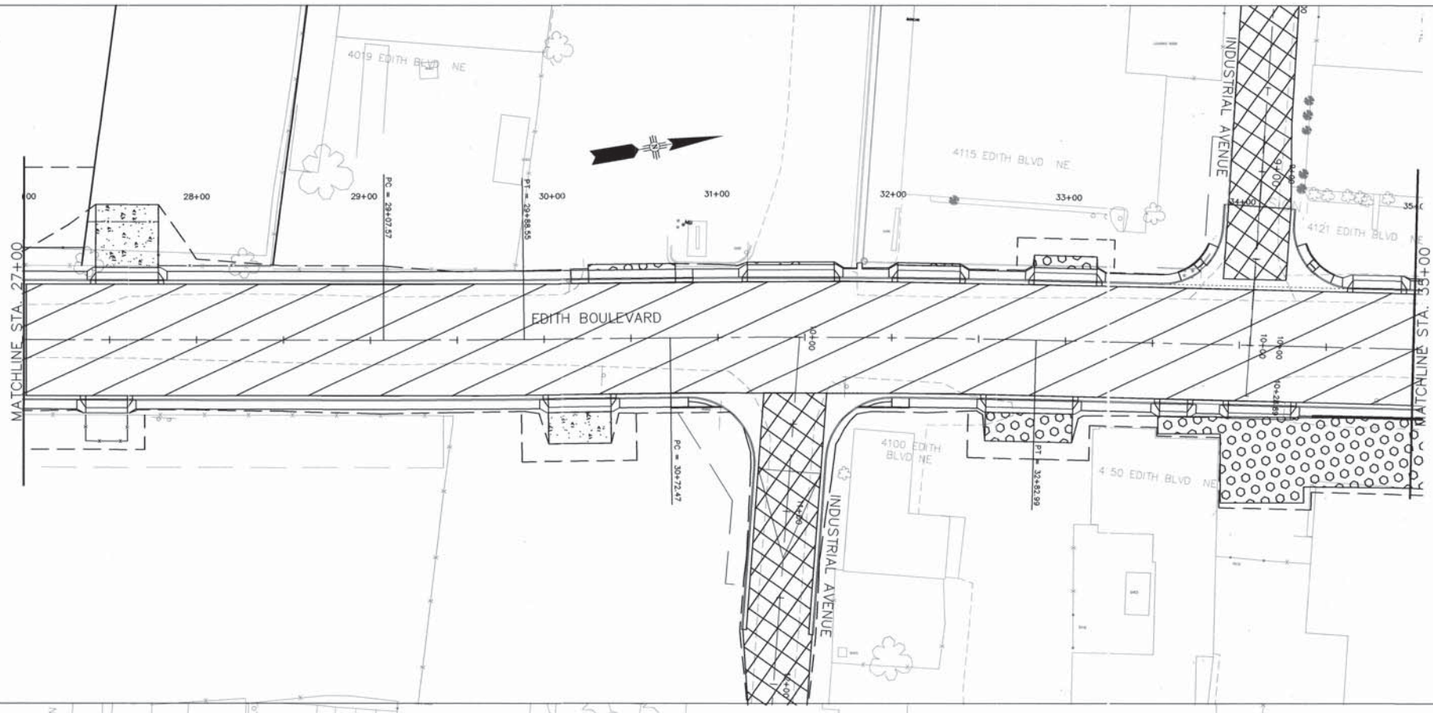

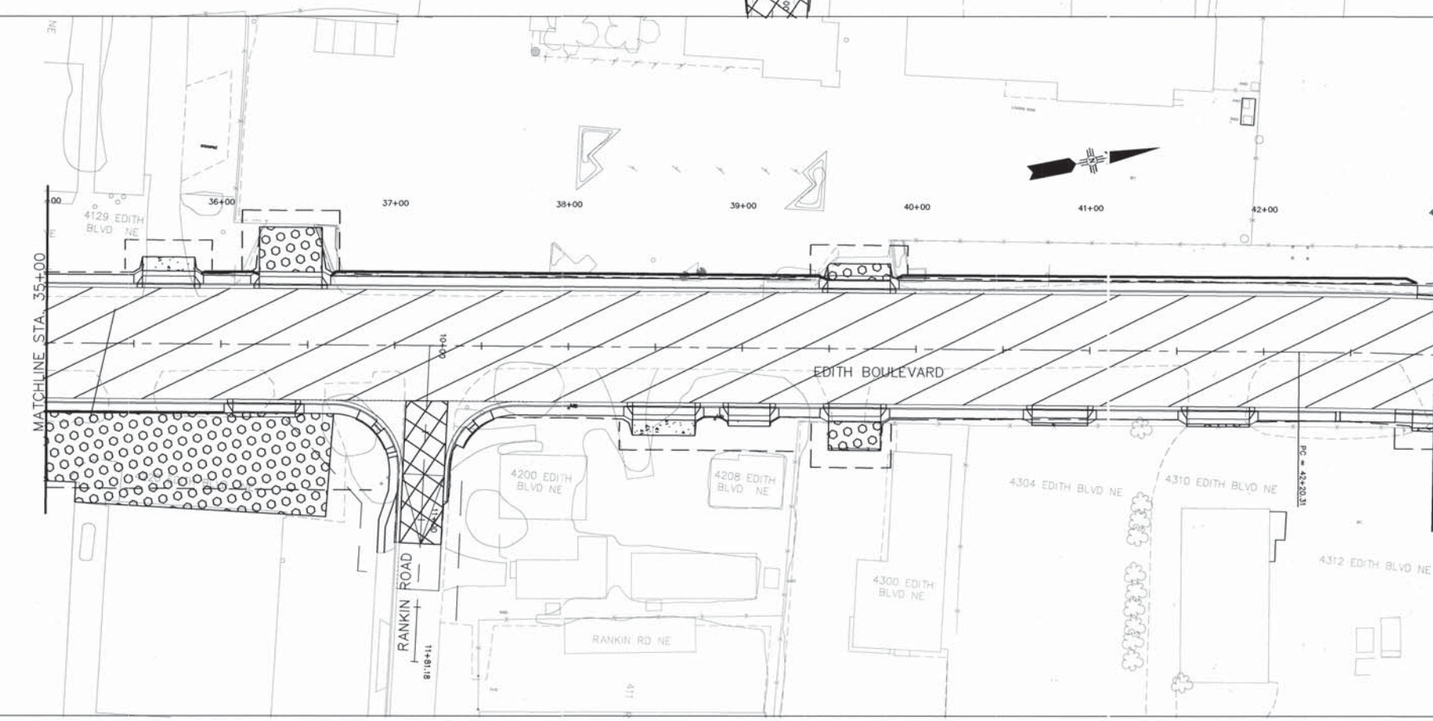

GRAPHIC SCALE

40 0 20 40 80

(IN FEET)
1 inch = 40 ft.

RECORD DRAWING

LEGEND

- PAVEMENT SECTION NO.1 SEE SHEET 2-4
- PAVEMENT SECTION NO.2 SEE SHEET 2-4
- MINOR PAVING SEE SHEET 2-10
- GRAVEL SECTION SEE SHEET 2-10

PB Parsons Brinckerhoff

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER

WORK STAKED BY Snyder Miller 1/08 DATE

INSPECTOR'S ACCEPTANCE BY BL Pwd 1/09 DATE

FINAL VERIFICATION BY BC Pwd 1/09 DATE

CORRECTED BY [illegible] PB 7/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.

NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCHMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 7/31/07

NO.	DATE	REMARKS	DESIGN	BY	DATE
			DESIGNED BY	JB	8/1/07
			DRAWN BY	CV	8/1/07
			CHECKED BY		DATE

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

PAVING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 3-30

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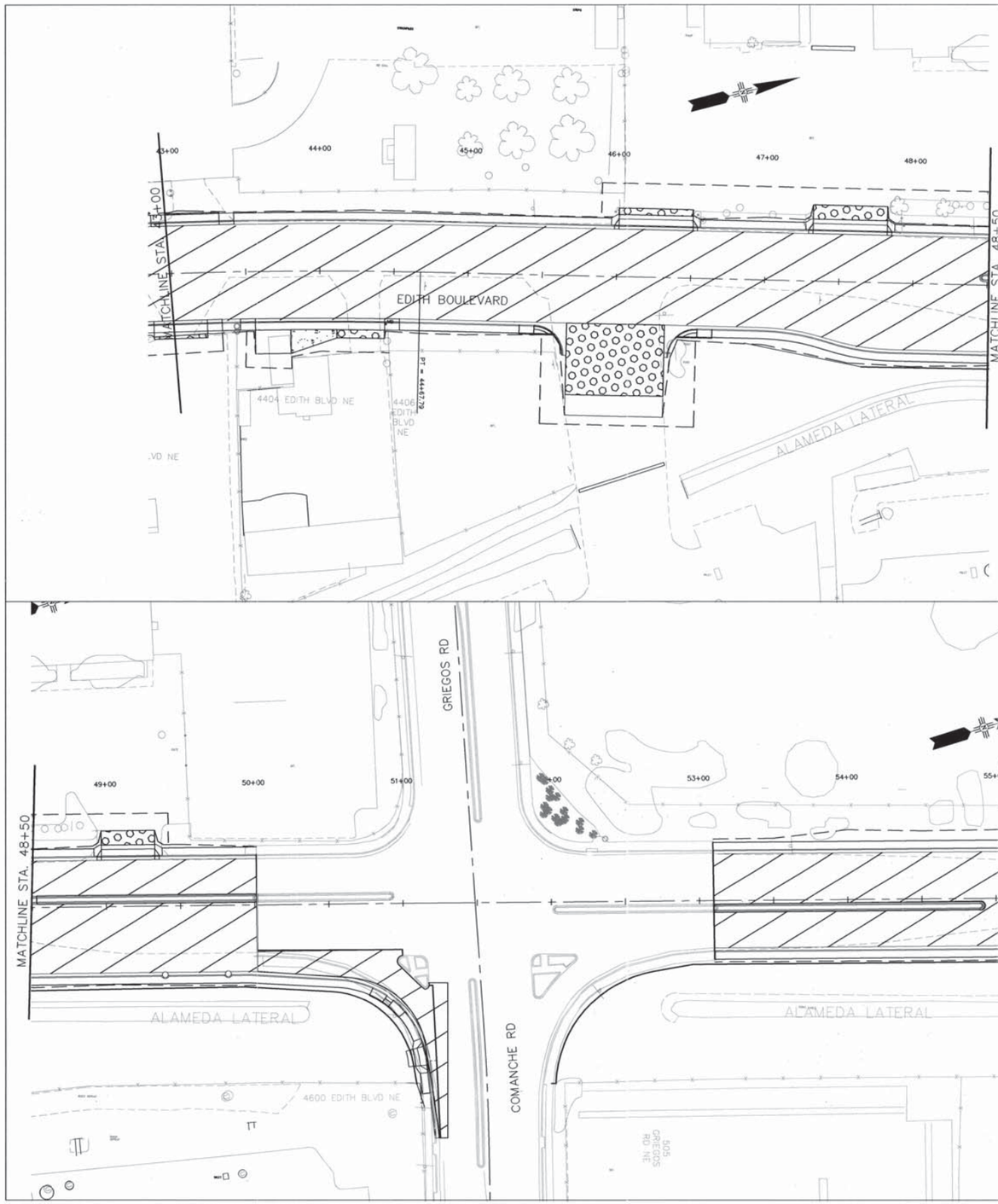

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

RECORD DRAWING

LEGEND

- PAVEMENT SECTION NO.1 SEE SHEET 2-4
- PAVEMENT SECTION NO.2 SEE SHEET 2-4
- MINOR PAVING SEE SHEET 2-10
- GRAVEL SECTION SEE SHEET 2-10

PB Parsons Brinckerhoff

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", spouted to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER DATE
WORK STAKED BY SOUDER MILLER & DATE
INSPECTORS ACCEPTANCE BY B&PWD 1/09 DATE
VERIFICATION BY B&PWD 3/09 DATE
CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCHANAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/1/07

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	JB	DATE 8/1/07
DRAWN BY	CV	DATE 8/1/07
CHECKED BY		DATE

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

PAVING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-31

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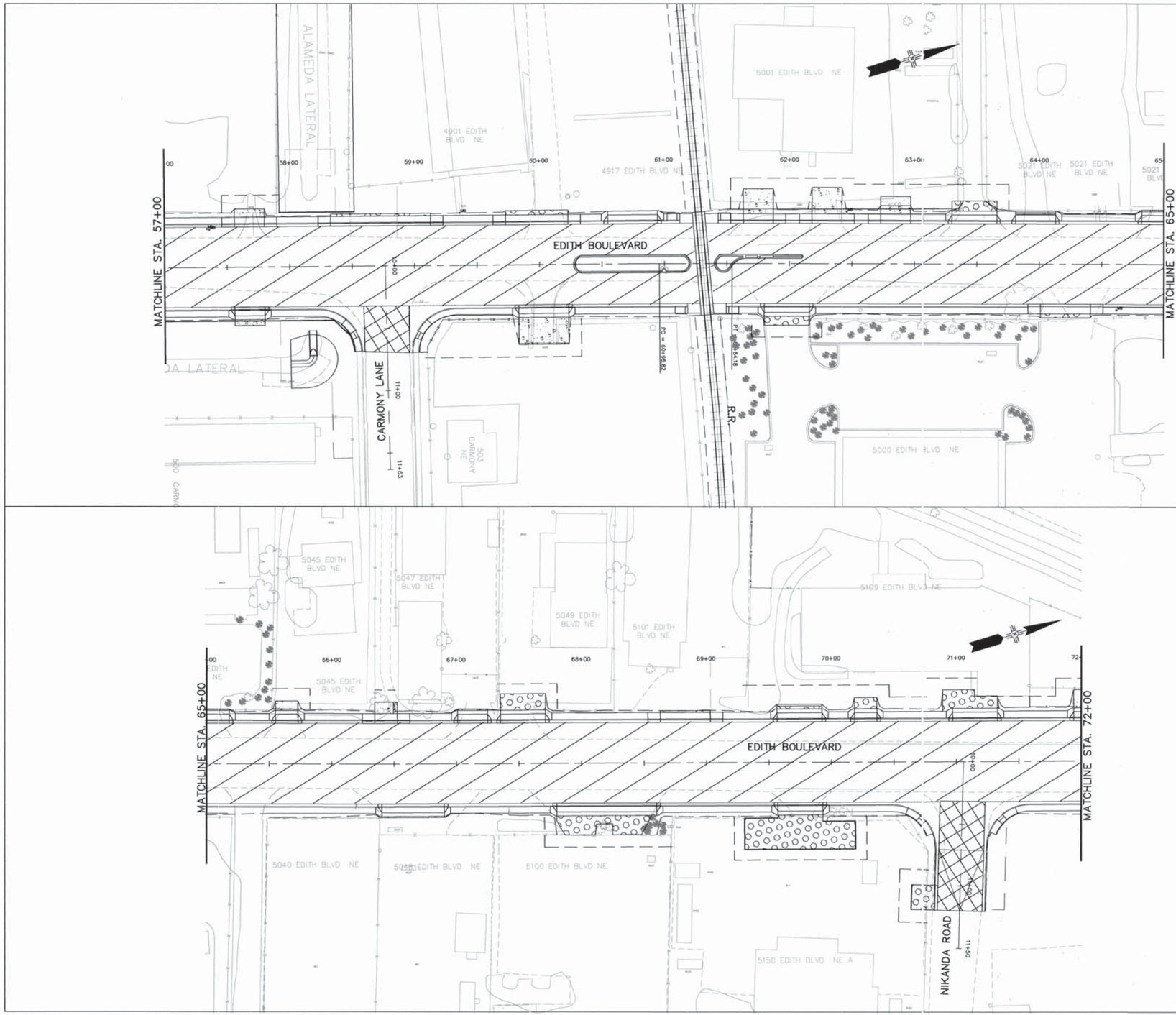

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

RECORD DRAWING

LEGEND

- PAVEMENT SECTION NO.1 SEE SHEET 2-4
- PAVEMENT SECTION NO.2 SEE SHEET 2-4
- MINOR PAVING SEE SHEET 2-10
- GRAVEL SECTION SEE SHEET 2-10

Parsons Brinckerhoff

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", spoiled to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER

WORK STAKED BY	SNYDER MILLER & ASSOC.	DATE
INSPECTION & FIELD CHANGES BY	BRPWD	1/09 DATE
FIELD VERIFICATION BY	BRPWD	1/09 DATE
DRAWINGS CORRECTED BY	P.B.	5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

ENGINEER'S SEAL

JAMES H. BUCHMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	JB	DATE 8/1/07
DRAWN BY	CV	DATE 8/1/07
CHECKED BY		DATE

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

PAVING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-32

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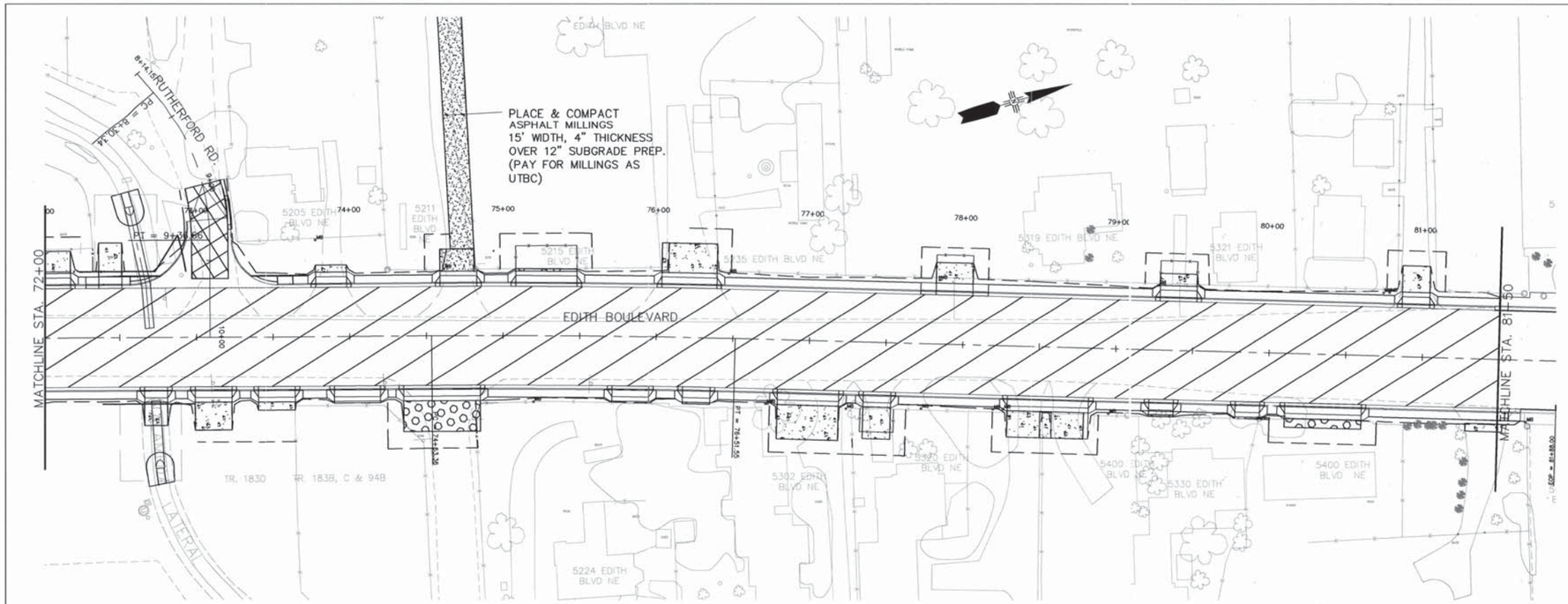

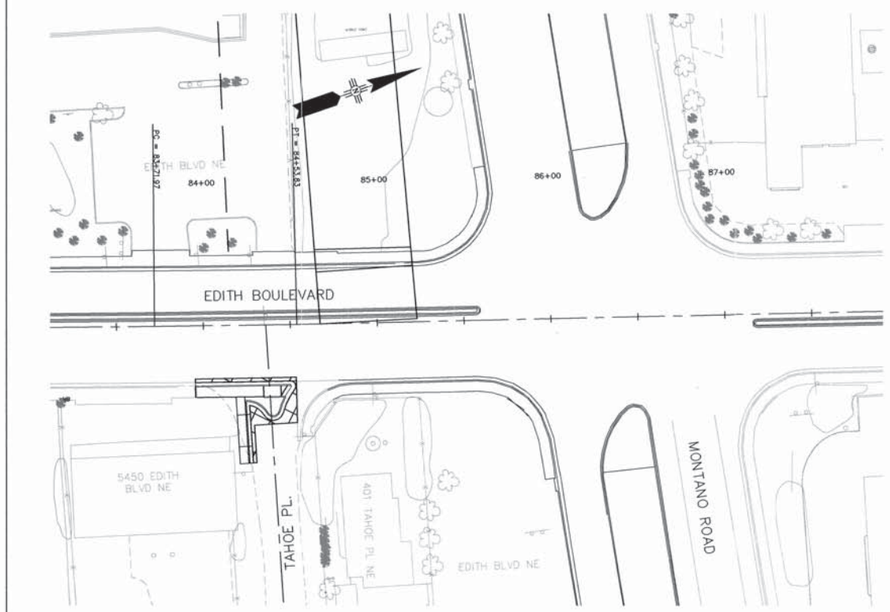

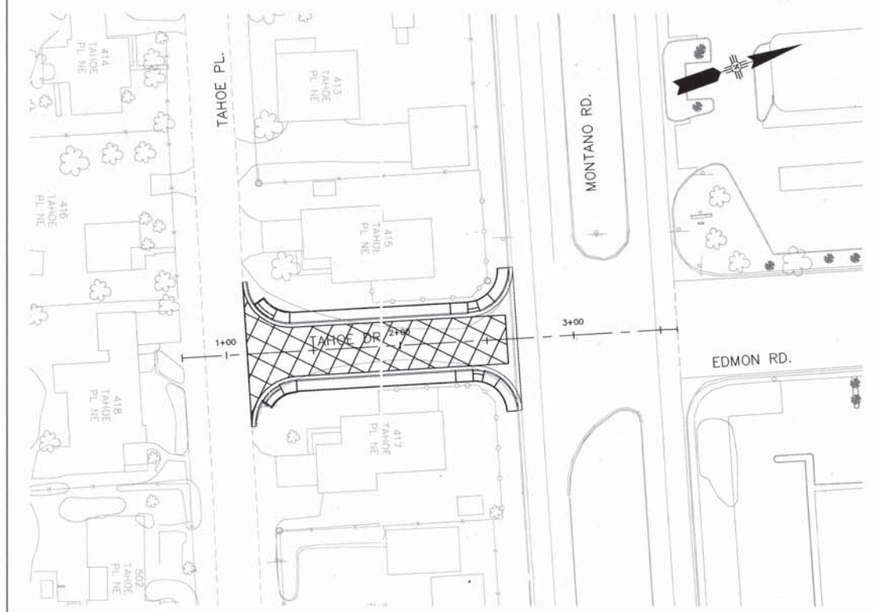

GRAPHIC SCALE

40 0 20 40 80

(IN FEET)
1 inch = 40 ft.

RECORD DRAWING

LEGEND

- PAVEMENT SECTION NO.1 SEE SHEET 2-4
- PAVEMENT SECTION NO.2 SEE SHEET 2-4
- MINOR PAVING SEE SHEET 2-10
- GRAVEL SECTION SEE SHEET 2-10

PB Parsons Brinckerhoff

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER

WORK STAKED BY SNYDER MILLER 1/08 DATE

INSPECTORS ACCEPTANCE BY BLPWD 1/09 DATE

VERIFICATION BY BCPWD 1/09 DATE

FINAL AS-BUILT CORRECTED BY P.B. 8/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES BY DATE

NO.

ENGINEER'S SEAL

JAMES H. BUCHMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/7/07

NO.	DATE	REMARKS	DESIGNED BY	DESIGN DATE	DRAWN BY	DATE	CHECKED BY
			JB	8/1/07	VC	8/1/07	

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

PAVING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-33

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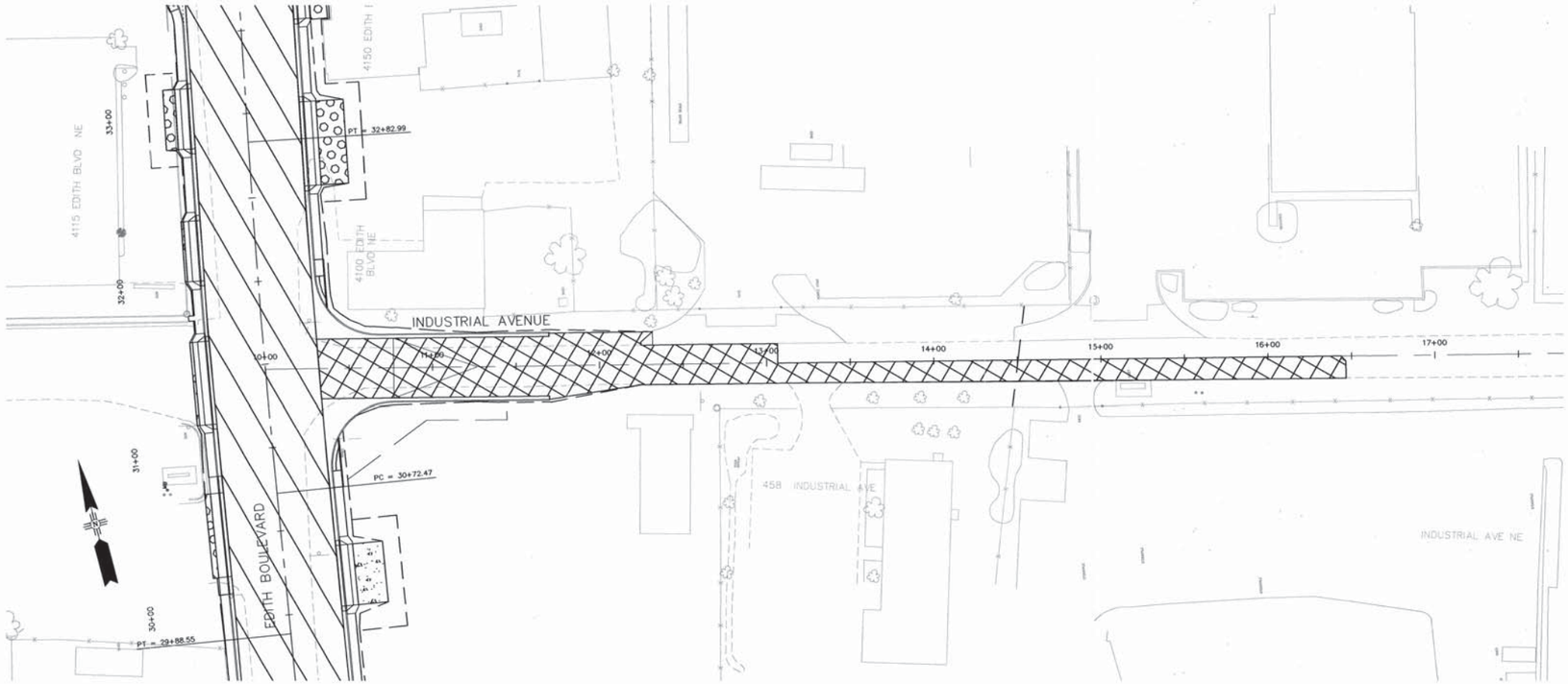

GRAPHIC SCALE

40 0 20 40 80

(IN FEET)
1 inch = 40 ft.

RECORD DRAWING

LEGEND

- PAVEMENT SECTION NO.1 SEE SHEET 2-4
- PAVEMENT SECTION NO.2 SEE SHEET 2-4
- MINOR PAVING SEE SHEET 2-10
- GRAVEL SECTION SEE SHEET 2-10

PB Parsons Brinckerhoff

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", spouted to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER
WORK STAKED BY SNYDER MILLER 1/08 DATE
INSPECTORS ACCEPTANCE BY BCPWD 1/09 DATE
VERIFICATION BY BCPWD 1/09 DATE
CORRECTED BY P.B. 5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

ENGINEER'S SEAL

JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/1/07

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	JB	DATE 8/1/07
DRAWN BY	VC	DATE 8/1/07
CHECKED BY		DATE

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
PAVING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-34

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GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

RECORD DRAWING

LEGEND

- PAVEMENT SECTION NO.1 SEE SHEET 2-4
- PAVEMENT SECTION NO.2 SEE SHEET 2-4
- MINOR PAVING SEE SHEET 2-10
- GRAVEL SECTION SEE SHEET 2-10

PB Parsons Brinckerhoff

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SOUDER MILLER '08 DATE
INSPECTORS ACCEPTANCE BY BUPWD 1/09 DATE
VERIFICATION BY BUPWD 1/09 DATE
CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCHANAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 4/1/09

NO.	DATE	REMARKS	BY

DESIGN
DESIGNED BY JB DATE 8/1/07
DRAWN BY VC DATE 8/1/07
CHECKED BY DATE

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
PAVING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-35

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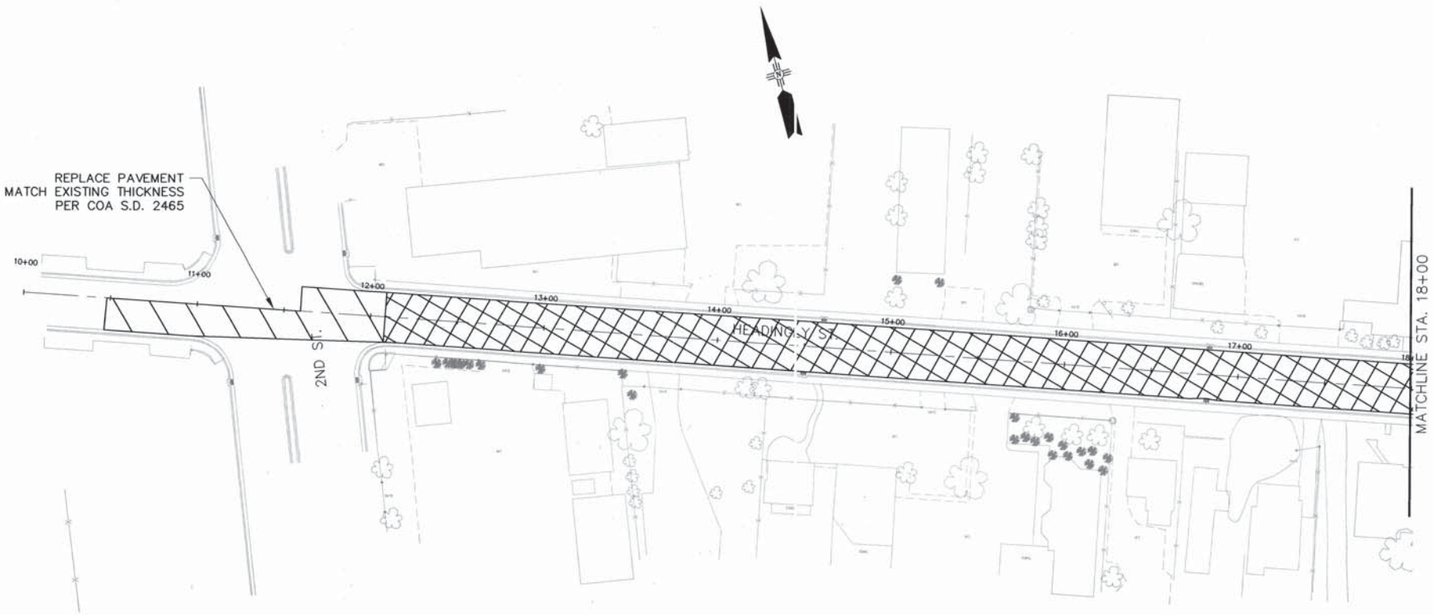

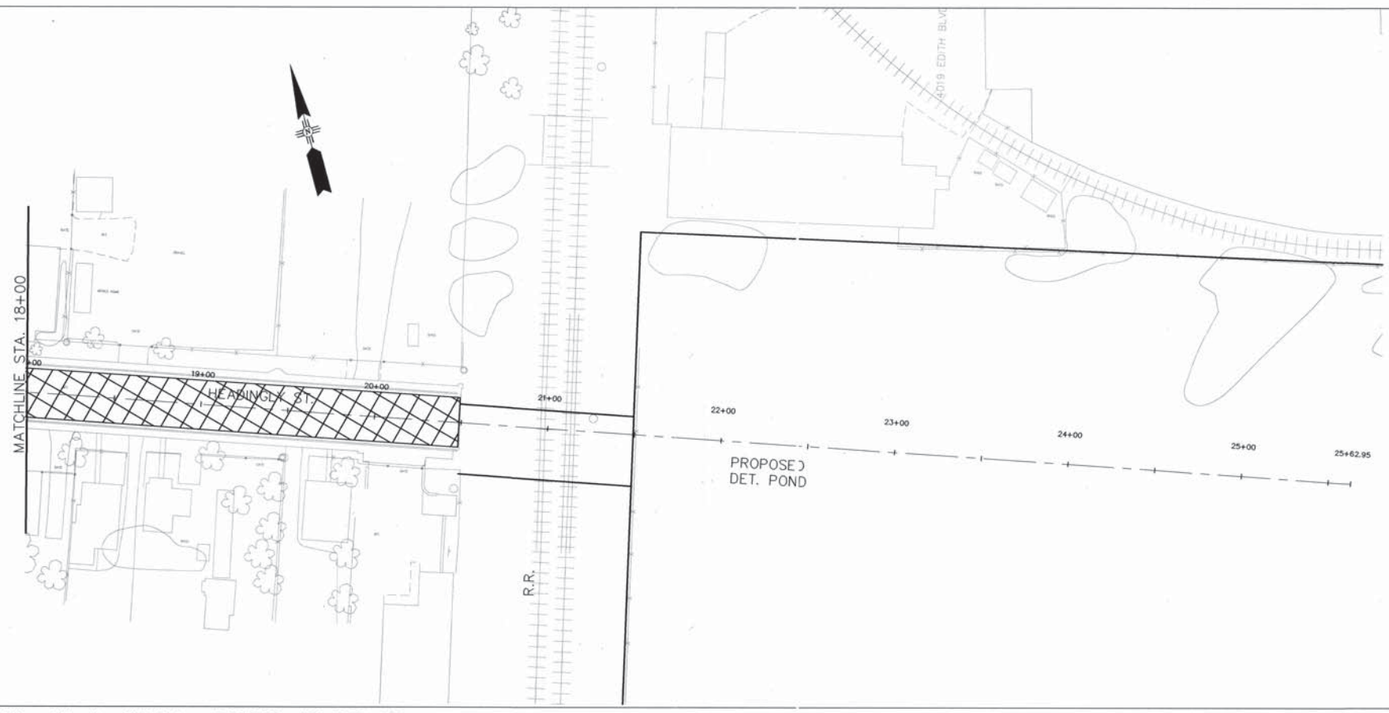

GRAPHIC SCALE

40 0 20 40 80

(IN FEET)
1 inch = 40 ft.

RECORD DRAWING

LEGEND

- PAVEMENT SECTION NO.1 SEE SHEET 2-4
- PAVEMENT SECTION NO.2 SEE SHEET 2-4
- MINOR PAVING SEE SHEET 2-10
- GRAVEL SECTION SEE SHEET 2-10

PB Parsons Brinckerhoff

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.

NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

AS BUILT INFORMATION

CONTRACTOR A.S. HARVER DATE

VERIFIED BY SAUER MILLER 1/08 DATE

INSPECTOR'S REMARKS BY R&PWD 1/09 DATE

FIELD VERIFICATIONS BY R&PWD 1/09 DATE

DRAWINGS CORRECTED BY P.B. 3/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY JB DATE 8/1/07

DRAWN BY VC DATE 8/1/07

CHECKED BY DATE

ENGINEER'S SEAL

JAMES H. BUCHANAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/7/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

PAVING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-36

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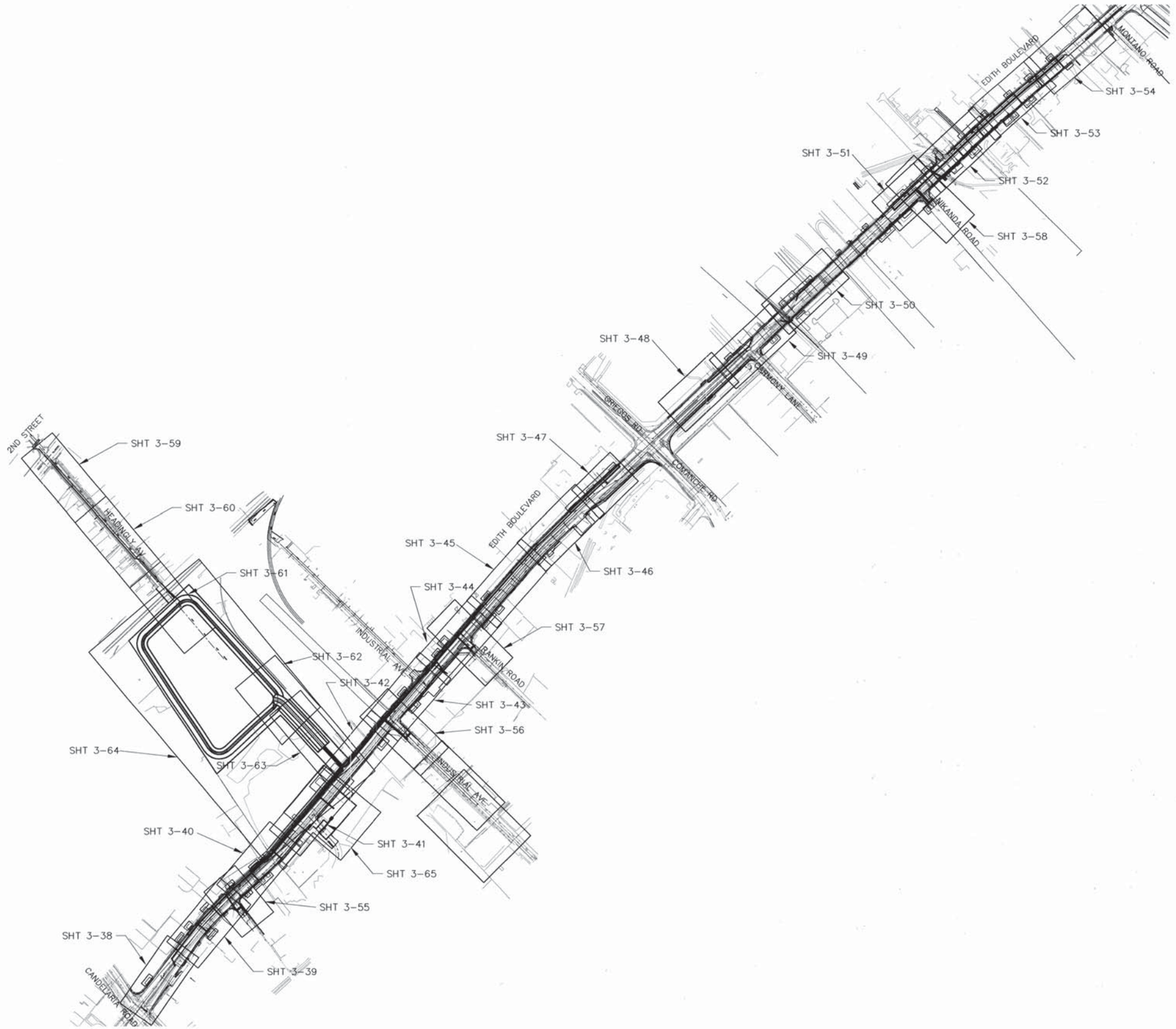

NOT TO SCALE

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
STORM DRAIN LAYOUT

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-37

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER

WORK STARTED BY SOUDER MILLER 3/06 DATE

INSPECTORS ACCEPTANCE BY BCPWD 1/09 DATE

VERIFICATION BY BCPWD 1/09 DATE

CORRECTED BY P.B. 5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	BPB & TT	DATE 08/01/07
DRAWN BY	BPB & TT	DATE 08/01/07
CHECKED BY	JB	DATE 08/01/07

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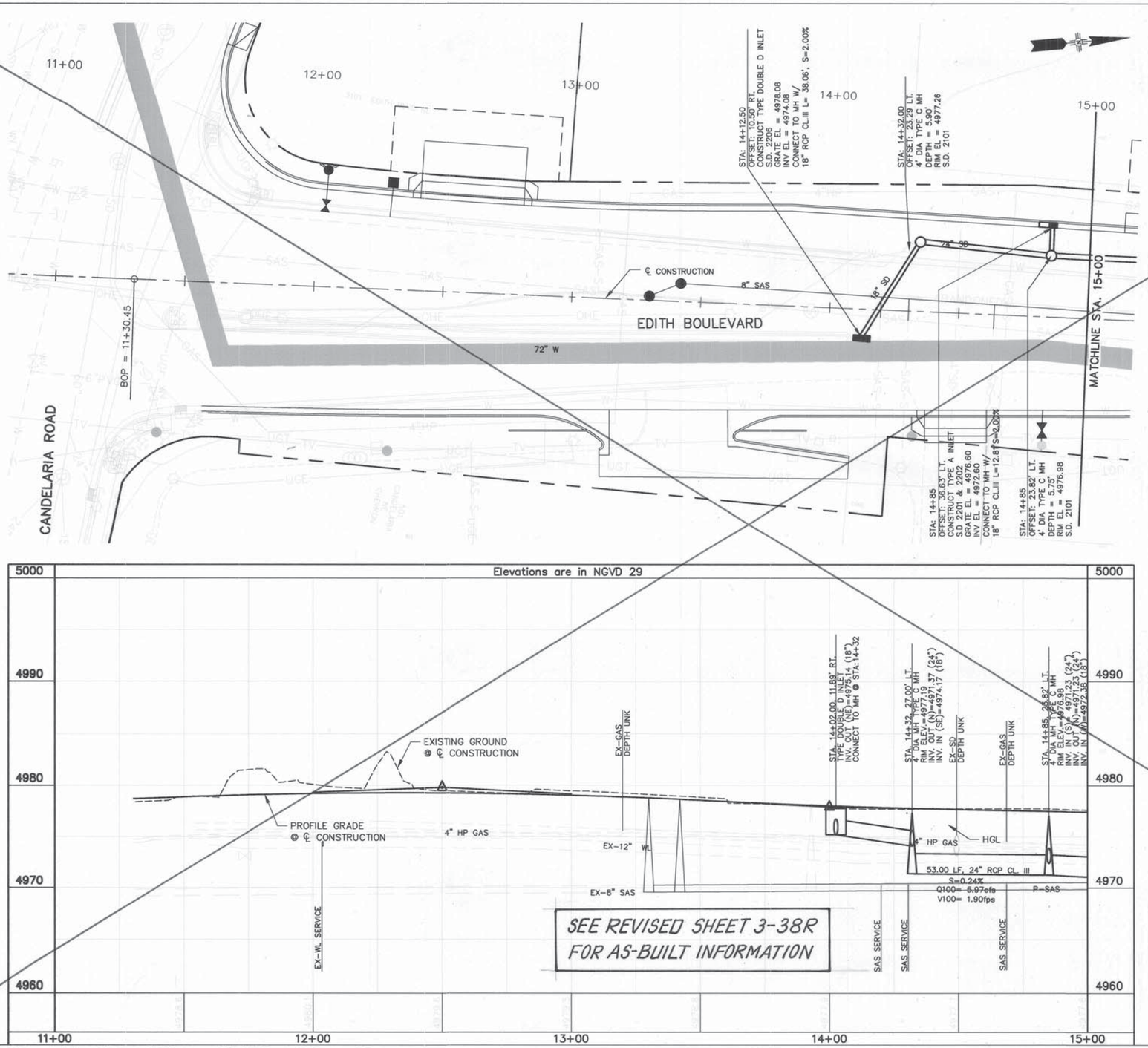


GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.

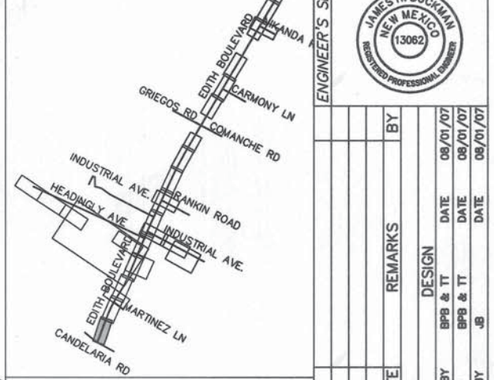
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER OR FROM MH CENTER TO INSIDE EDGE OF INLET ALONG THE HORIZONTAL.

2. GRATE ELEVATIONS ARE GIVEN AT THE NORMAL CURB ℄.

RECORD DRAWING



PB Parsons Brinckerhoff

SURVEY INFORMATION		
FIELD NOTES		
NO.	BY	DATE

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION

CONTRACTOR

WORK ACCEPTED BY	DATE
INSPECTION & FINAL APPROVAL BY	DATE
FIELD VERIFICATION BY	DATE
DRAWING CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

ENGINEER'S SEAL

JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY BPB & TT	DATE 08/01/07
		DRAWN BY BPB & TT	DATE 08/01/07
		CHECKED BY JB	DATE 08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

STORM DRAIN PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-38

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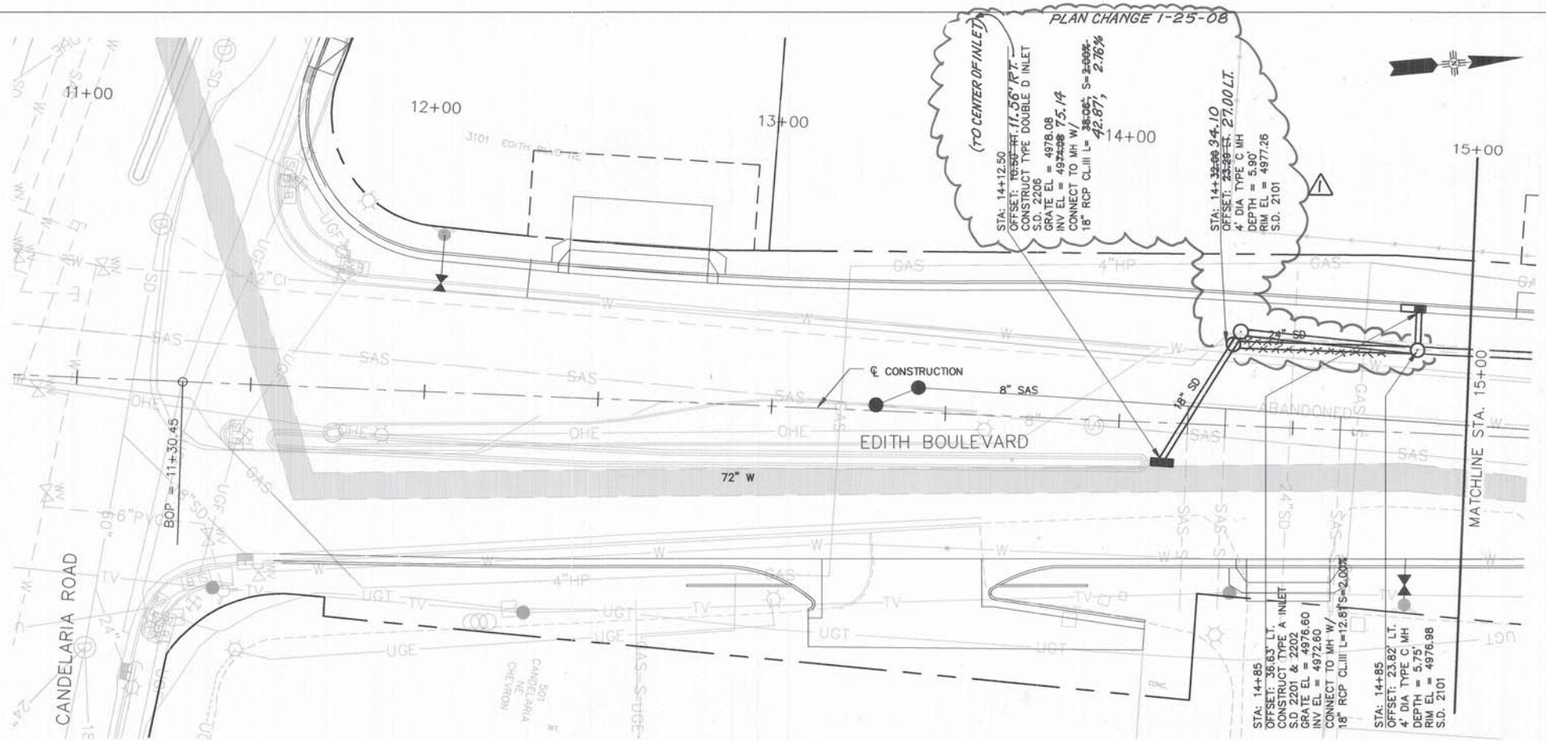
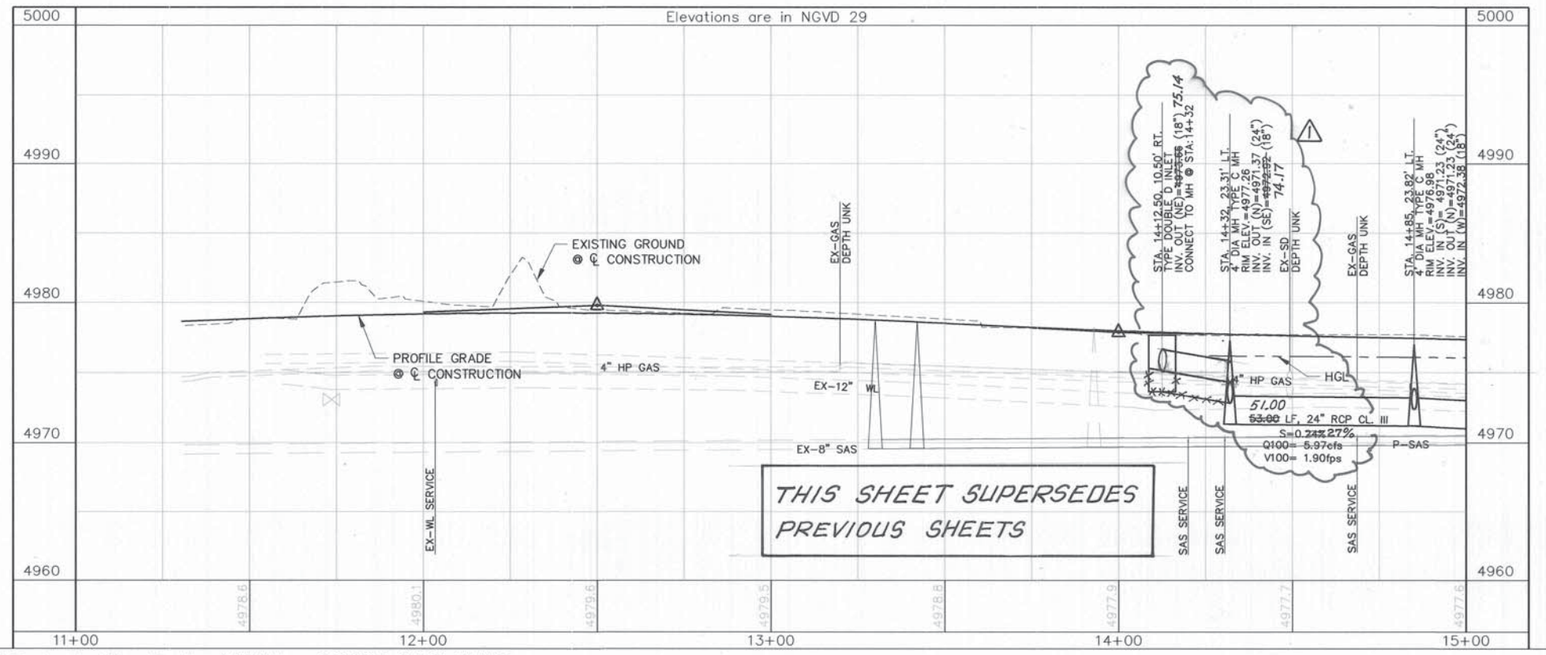




GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

1 inch = 20 ft.

HORZ. SCALE: 1" = 20'

VERT. SCALE: 1" = 5'

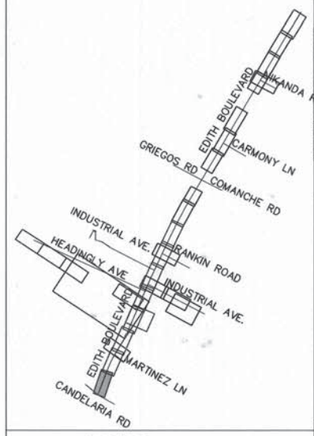
GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER OR FROM MH CENTER TO INSIDE EDGE OF INLET ALONG THE HORIZONTAL

2. GRATE ELEVATIONS ARE GIVEN AT THE NORMAL CURB ℄.

SHEET ISSUED IN PLAN CHANGE LETTER #3 1/30/08

RECORD DRAWING



PB Parsons Brinckerhoff

AS BUILT INFORMATION

CONTRACTOR A.S. HONNER DATE

WORK STAKED BY SNYDER MILLER 3/08 DATE

INSPECTOR'S FIELD NOTES BY BCPWD 1/09 DATE

FIELD CHANGES BY BCPWD 1/09 DATE

VERIFICATION BY BCPWD 6/09 DATE

AS-BUILT CORRECTED BY P.B. DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.

NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 9/7/07

NO.	DATE	REMARKS	BY
1	1-25-08	MOVED MH	JHB

DESIGN

DESIGNED BY	BPB & TT	DATE	08/01/07
DRAWN BY	BPB & TT	DATE	08/01/07
CHECKED BY	JB	DATE	08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

STORM DRAIN PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F–15, G–15	3–38 R

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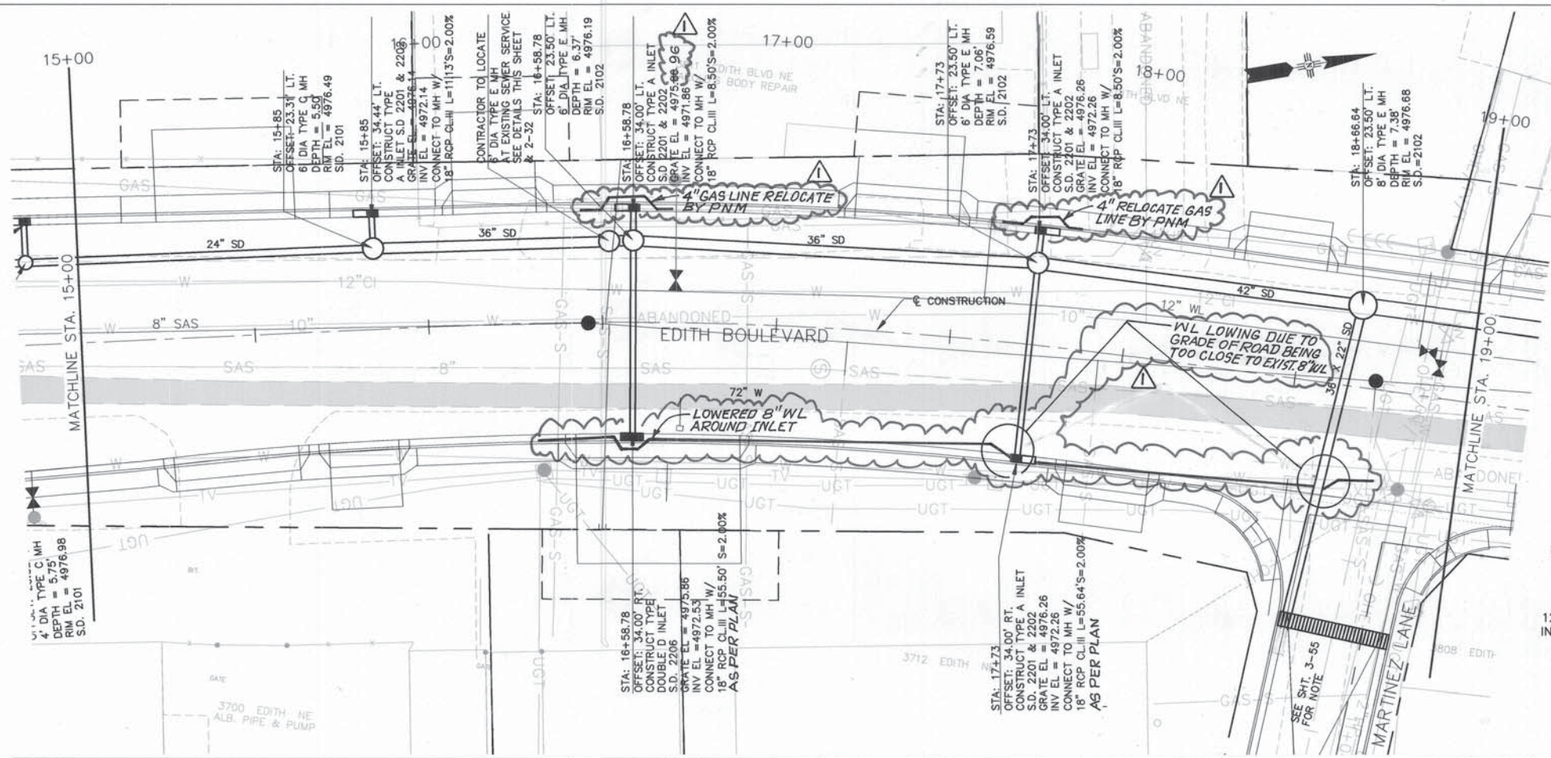
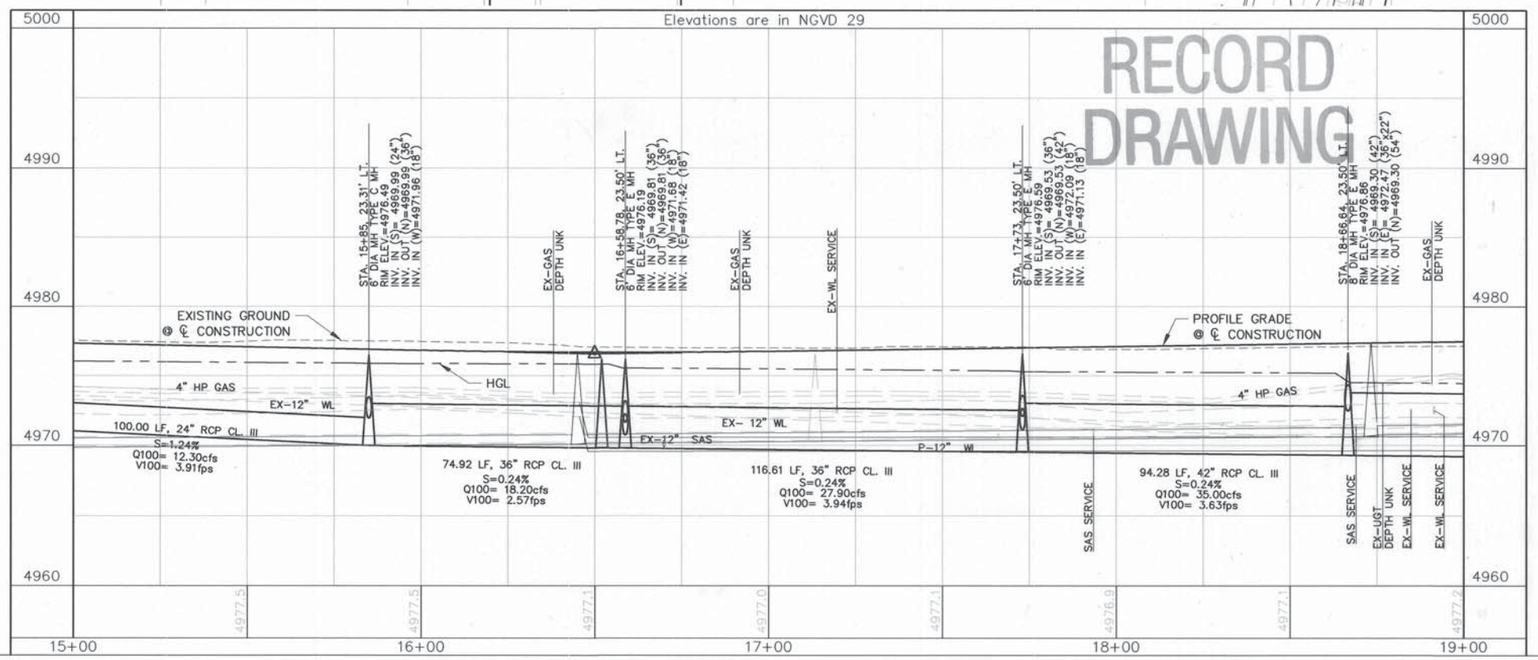




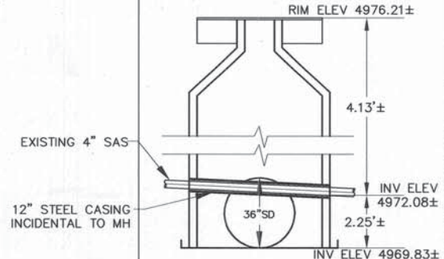
GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

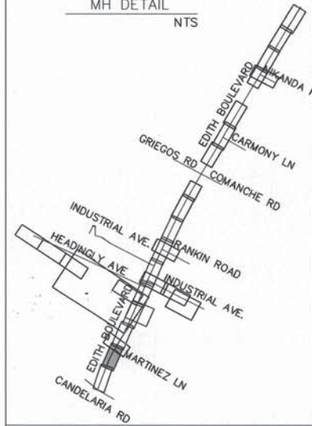
GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER OR FROM MH CENTER TO INSIDE EDGE OF INLET ALONG THE HORIZONTAL

2. GRATE ELEVATIONS ARE GIVEN AT THE NORMAL CURB ℄.



MH DETAIL
NTS



BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

AS BUILT INFORMATION
CONTRACTOR A.S. HANVER

WORK STAKED BY	SNYDER MILLER	3/06 DATE
INSPECTORS	BDPWD	3/09 DATE
ACCEPTANCE BY	BDPWD	3/09 DATE
VERIFICATION BY	P.B.	5/09 DATE
CORRECTED BY		MICRO-FILM INFORMATION
RECORDED BY		DATE
NO.		

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	DESIGN		
			DESIGNED BY	BPB & TT	DATE 08/01/07
1	04/09	RELOCATE 4" WATER LINES & COVERED BY GAS LINE, CHANGED GRATE ELEV.	DRAWN BY	BPB & TT	DATE 08/01/07
			CHECKED BY	JB	DATE 08/01/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
STORM DRAIN PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-39

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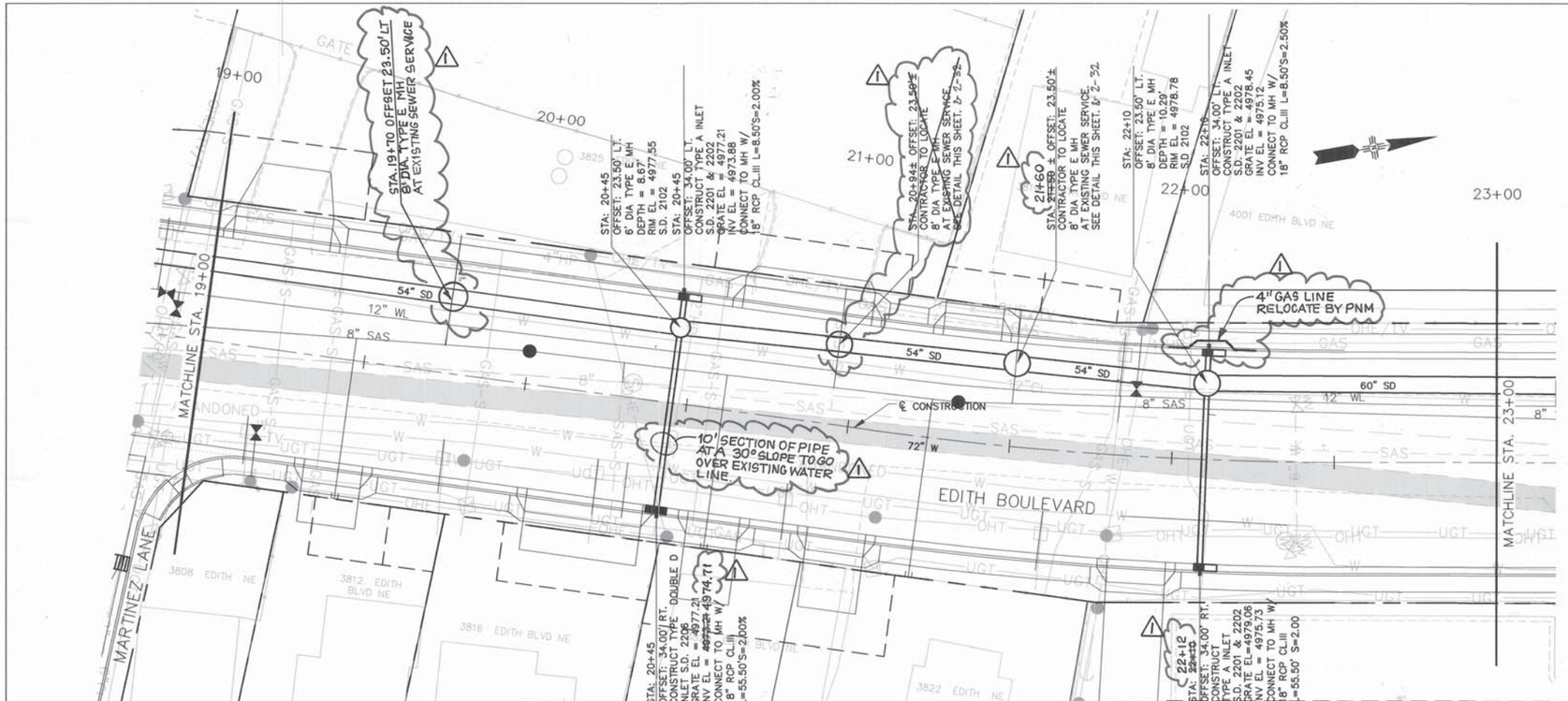
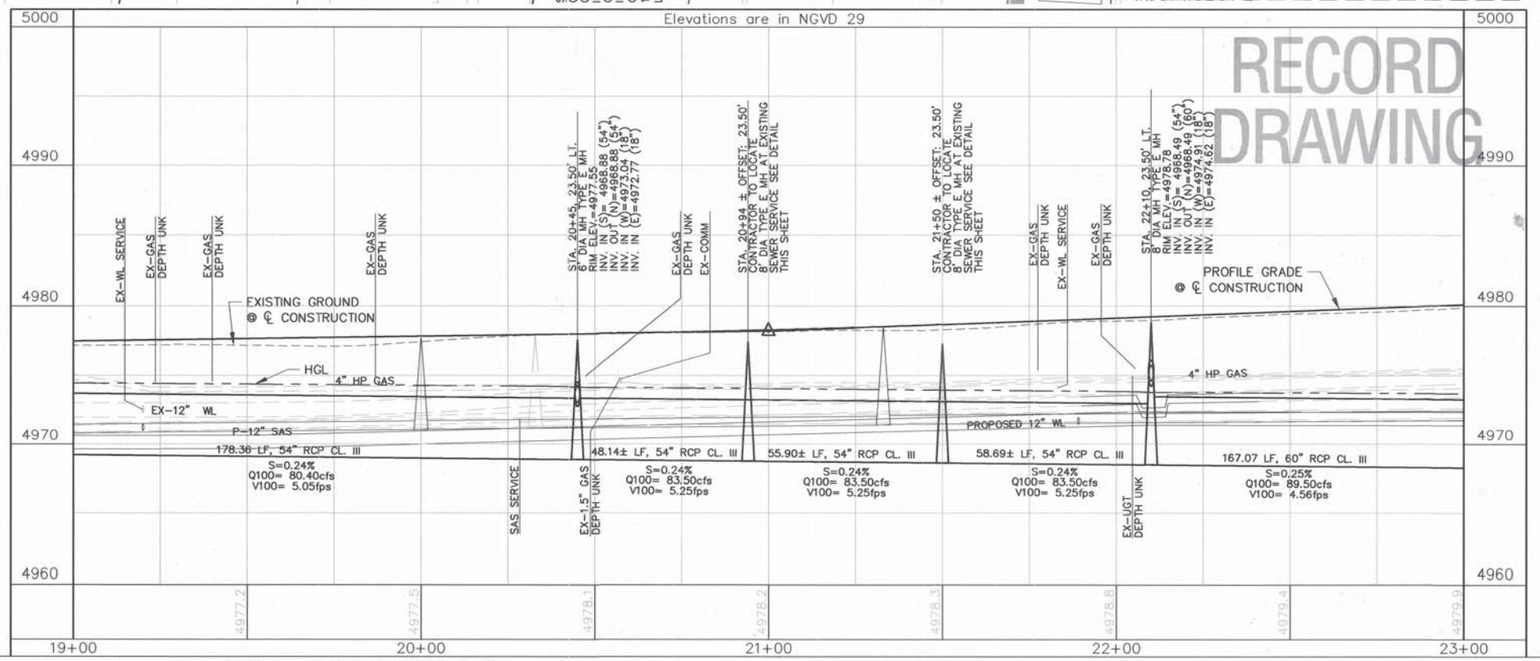




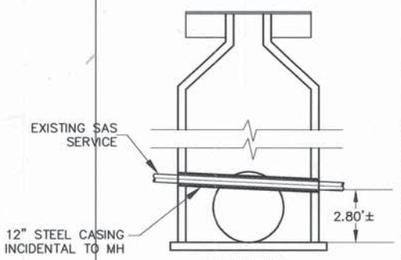
GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

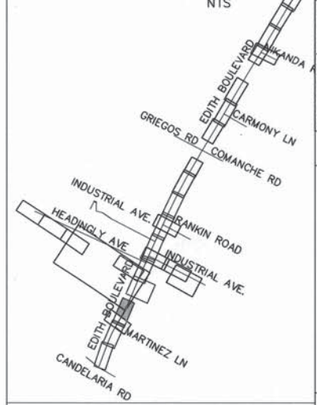
GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER OR FROM MH CENTER TO INSIDE EDGE OF INLET ALONG THE HORIZONTAL

2. GRATE ELEVATIONS ARE GIVEN AT THE NORMAL CURB ℄.



MH DETAIL
NTS



PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A. S. HARNER
WORK STAKED BY SNYDER, MILLER, Inc. DATE
INSPECTORS ACCEPTANCE BY RLPWD 3/09 DATE
VERIFICATION BY RLPWD 3/09 DATE
CORRECTED BY P.B. 6/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JAMES H. BUCHANAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REVISED SEWER SERVICE / GAS LINE	BY
1	04/09		VRV

DESIGN			
DESIGNED BY	BPB & TT	DATE	08/01/07
DRAWN BY	BPB & TT	DATE	08/01/07
CHECKED BY	JB	DATE	08/01/07

REMARKS

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
STORM DRAIN PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-40

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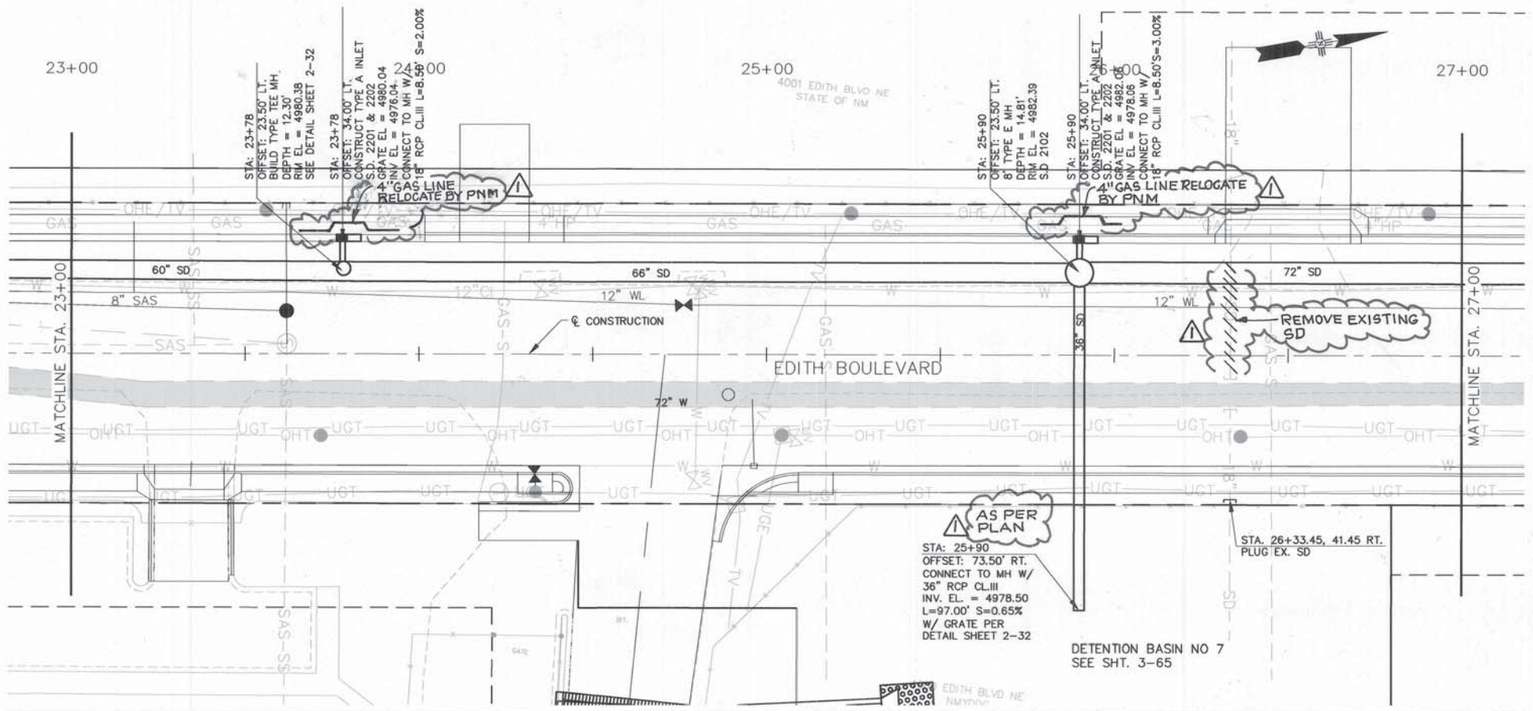


GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER OR FROM MH CENTER TO INSIDE EDGE OF INLET ALONG THE HORIZONTAL

2. GRATE ELEVATIONS ARE GIVEN AT THE NORMAL CURB ℄.

RECORD DRAWING

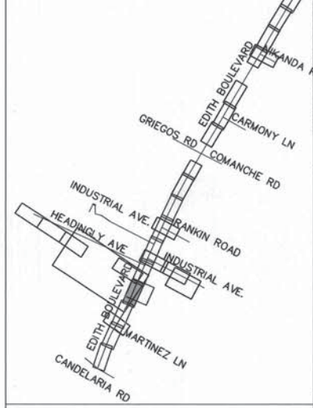
SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNYDER MILLER 3/06 DATE
INSPECTORS ACCEPTANCE BY BCPWD 3/09 DATE
VERIFICATION BY BCPWD 3/09 DATE
CORRECTED BY P.B. 6/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
8/1/07



PB Parsons Brinckerhoff

NO.	DATE	REMARKS	DESIGN	
1	04/09	REVISED GAS LINE & EXIST. SD	VRV	
			DESIGNED BY	BPB & TT DATE 08/01/07
			DRAWN BY	BPB & TT DATE 08/01/07
			CHECKED BY	JB DATE 08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
STORM DRAIN PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-41

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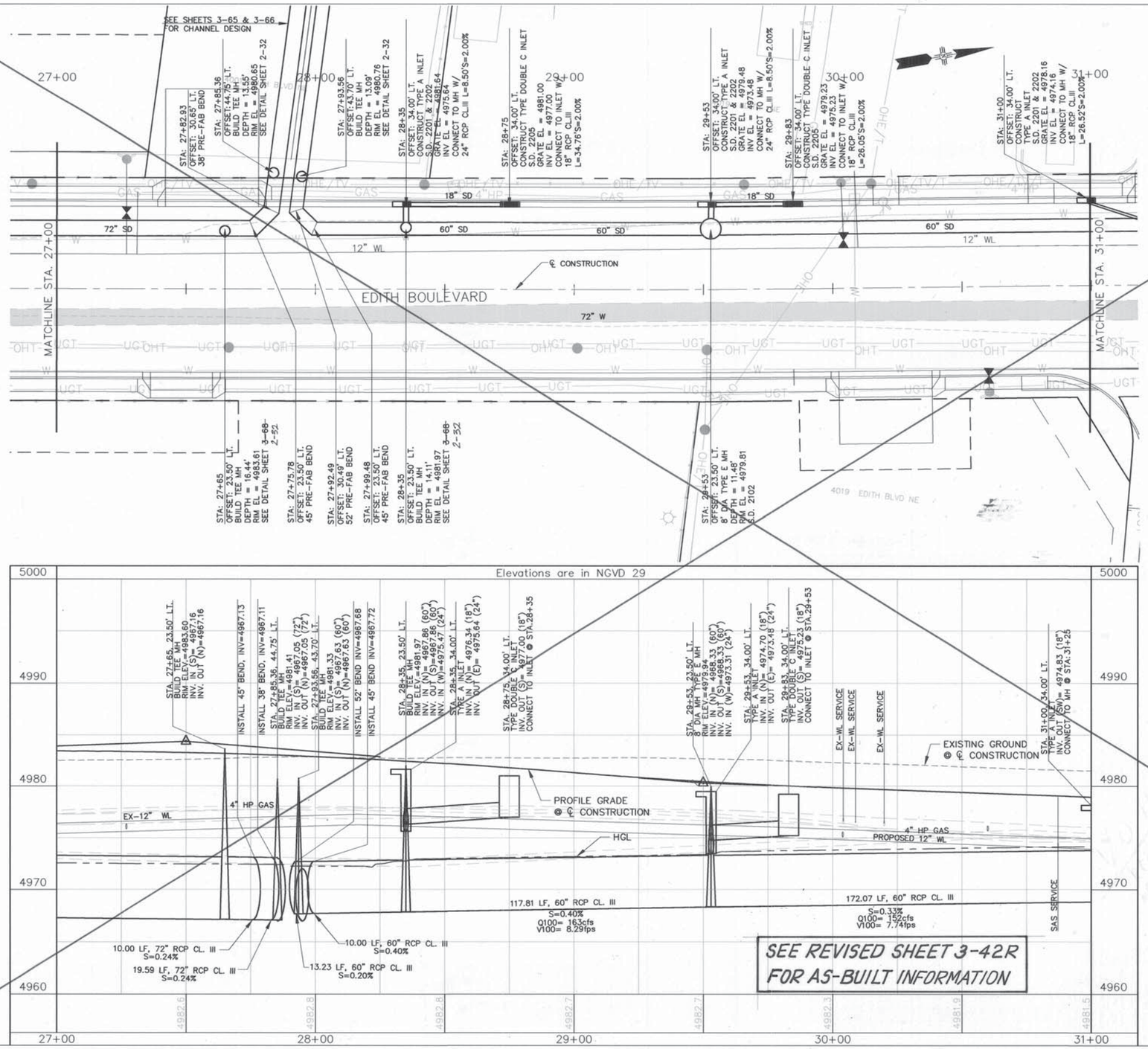


GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER OR FROM MH CENTER TO INSIDE EDGE OF INLET ALONG THE HORIZONTAL.

2. GRATE ELEVATIONS ARE GIVEN AT THE NORMAL CURB ℄.

RECORD DRAWING

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION

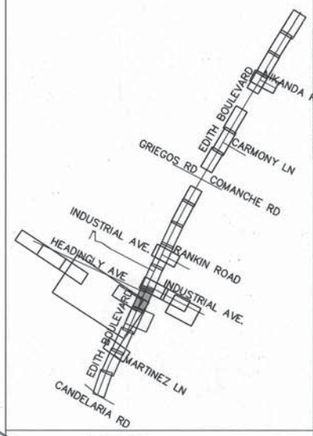
	DATE
CONTRACTOR	
WORK STAKED BY	
INSPECTORS ACCEPTANCE BY	
FIELD VERIFICATION BY	
AS BUILTS CORRECTED BY	

MICRO-FILM INFORMATION

	DATE
RECORDED BY	
NO.	

SEAL

ENGINEER'S SEAL
JAMES H. BUCHMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
9/17/07



PB Parsons Brinckerhoff

NO.	DATE	REMARKS	BY
		DESIGN	
DESIGNED BY		BPB & TT	DATE 08/01/07
DRAWN BY		BPB & TT	DATE 08/01/07
CHECKED BY		JB	DATE 08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
STORM DRAIN PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-42

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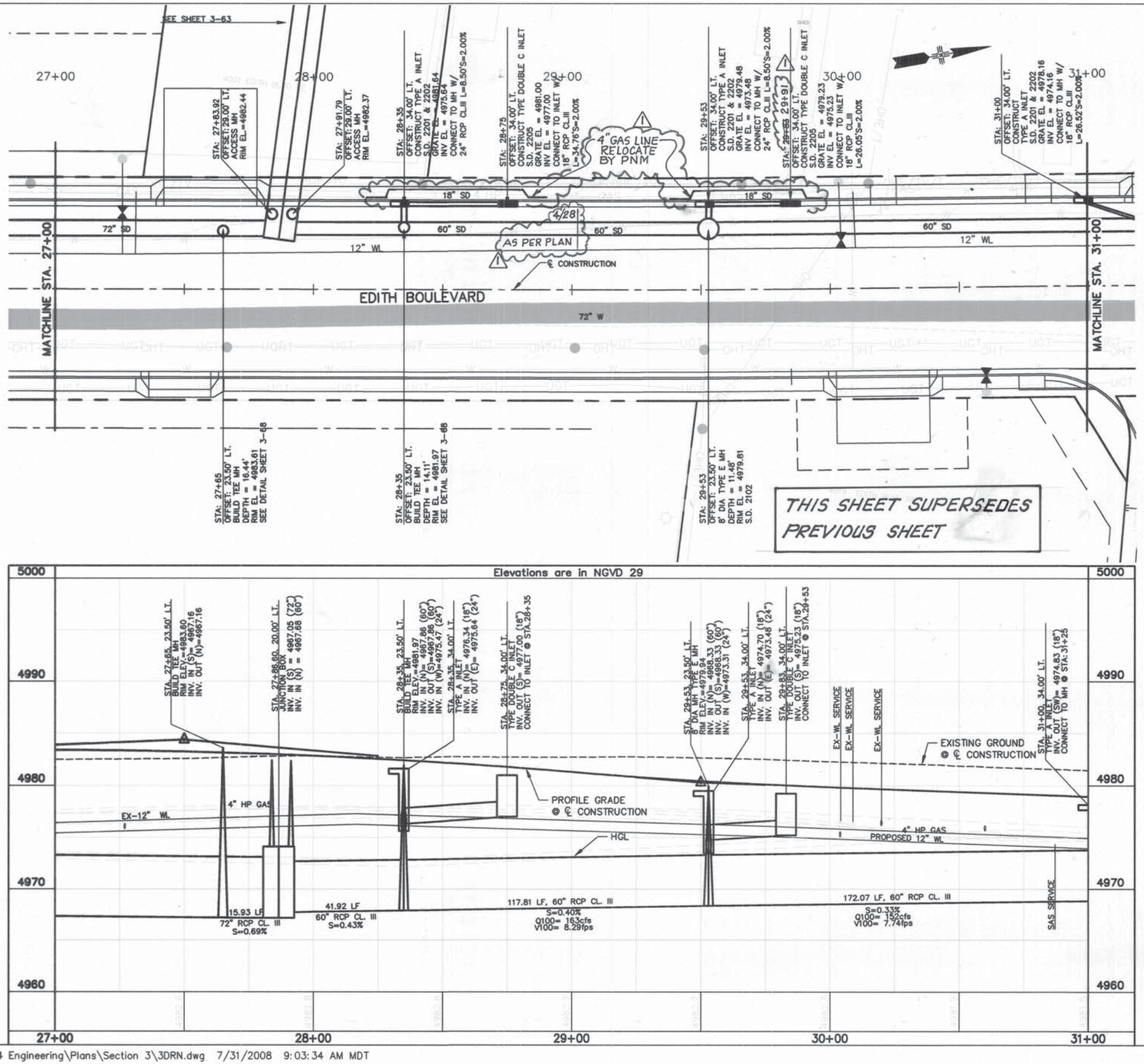


GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

1 inch = 20 ft.

HORZ. SCALE: 1" = 20'

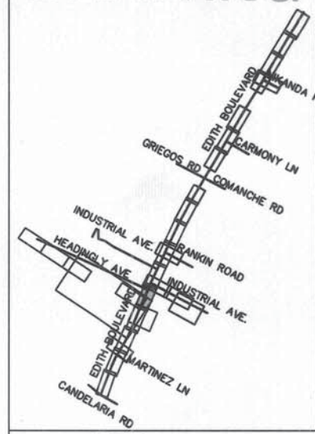
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER OR FROM MH CENTER TO INSIDE EDGE OF INLET ALONG THE HORIZONTAL

2. GRATE ELEVATIONS ARE GIVEN AT THE NORMAL CURB ℄.

RECORD DRAWING



PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HARVEY
STARTED BY SOUDER, MILLER & 7/08 DATE
INSPECTOR'S NOTES BY BCPWD 4/09 DATE
FIELD SURVEY BY BCPWD 4/09 DATE
DRAWING ENTRY BY F.B. 5/09 DATE
CORRECTED BY F.B. DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	BY	REMARKS
1	04/09	VRV	RELOCATE GAS LINE & CHANGE STA.

DESIGN
DESIGNED BY BPB & TT DATE 08/01/07
DRAWN BY BPB & TT DATE 08/01/07
CHECKED BY JB DATE 08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
STORM DRAIN PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-42R

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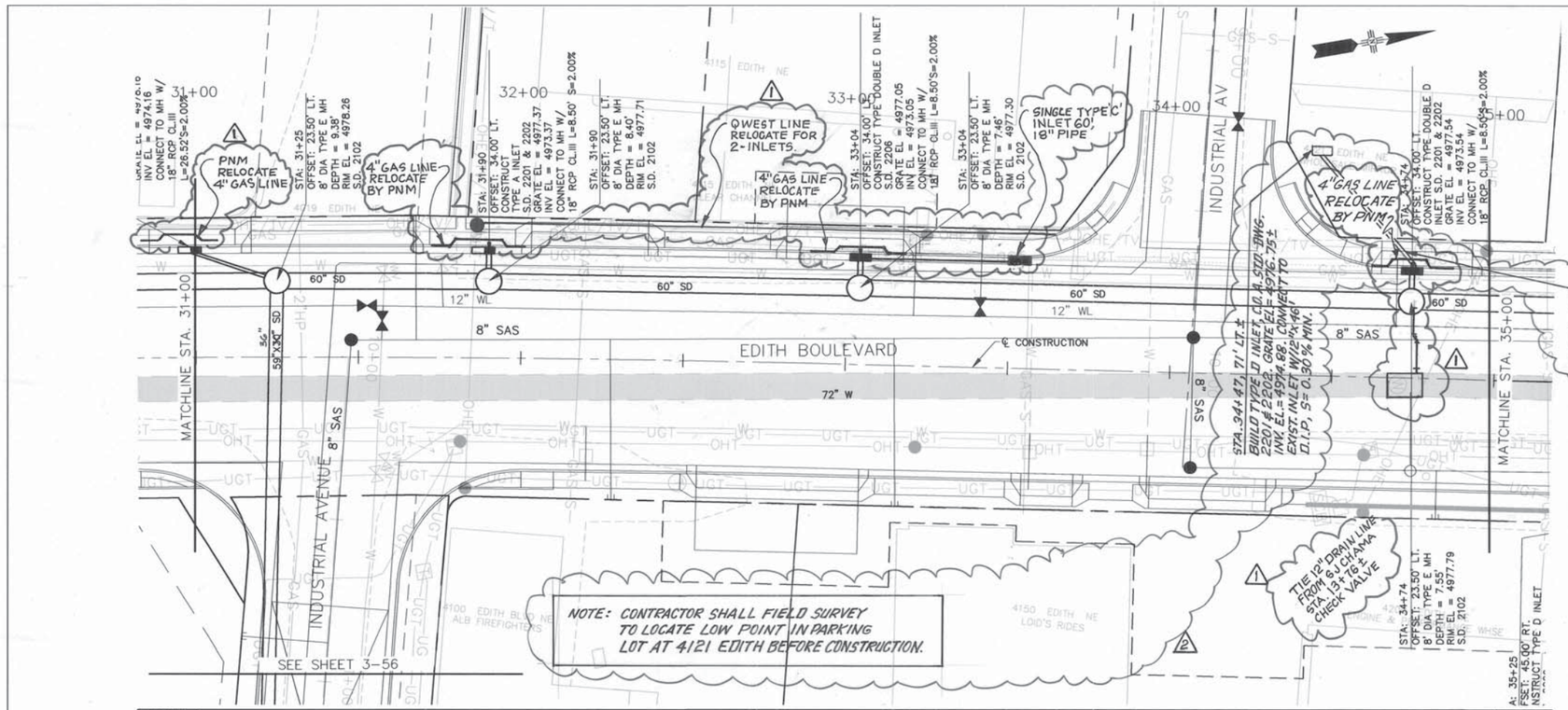


GRAPHIC SCALE

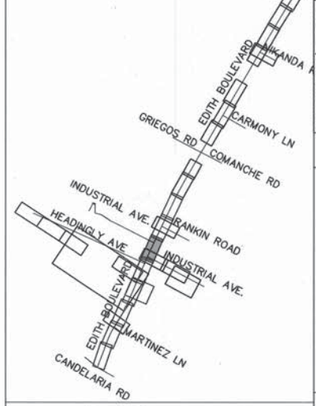
(IN FEET)
1 inch = 20 ft.

HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER OR FROM MH CENTER TO INSIDE EDGE OF INLET ALONG THE HORIZONTAL
2. GRATE ELEVATIONS ARE GIVEN AT THE NORMAL CURB ℄.

RECORD DRAWING



PB Parsons Brinckerhoff

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION

CONTRACTOR	A.S. HOGNER
WORK STAKED BY	SNYDER, MILLER & Assoc. DATE
INSPECTORS ACCEPTANCE BY	B.BPWD 3/09 DATE
VERIFICATION BY	B.BPWD 3/09 DATE
CORRECTED BY	P. B. 3/09 DATE

MICRO-FILM INFORMATION

RECORDED BY	
DATE	
NO.	

ENGINEER'S SEAL

JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 9/1/07

NO.	DATE	REMARKS	BY
1	07/09	REVISED STORM DRAIN	VRV
2	04/09	RELOCATE GAS LINE & SWEET 'L' INLET TO DRAIN LINE ADD TYPE C INLET @ DRAIN LINE	VRV

DESIGN

DESIGNED BY	BPB & TT	DATE	08/01/07
DRAWN BY	BPB & TT	DATE	08/01/07
CHECKED BY	JB	DATE	08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

STORM DRAIN PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-43

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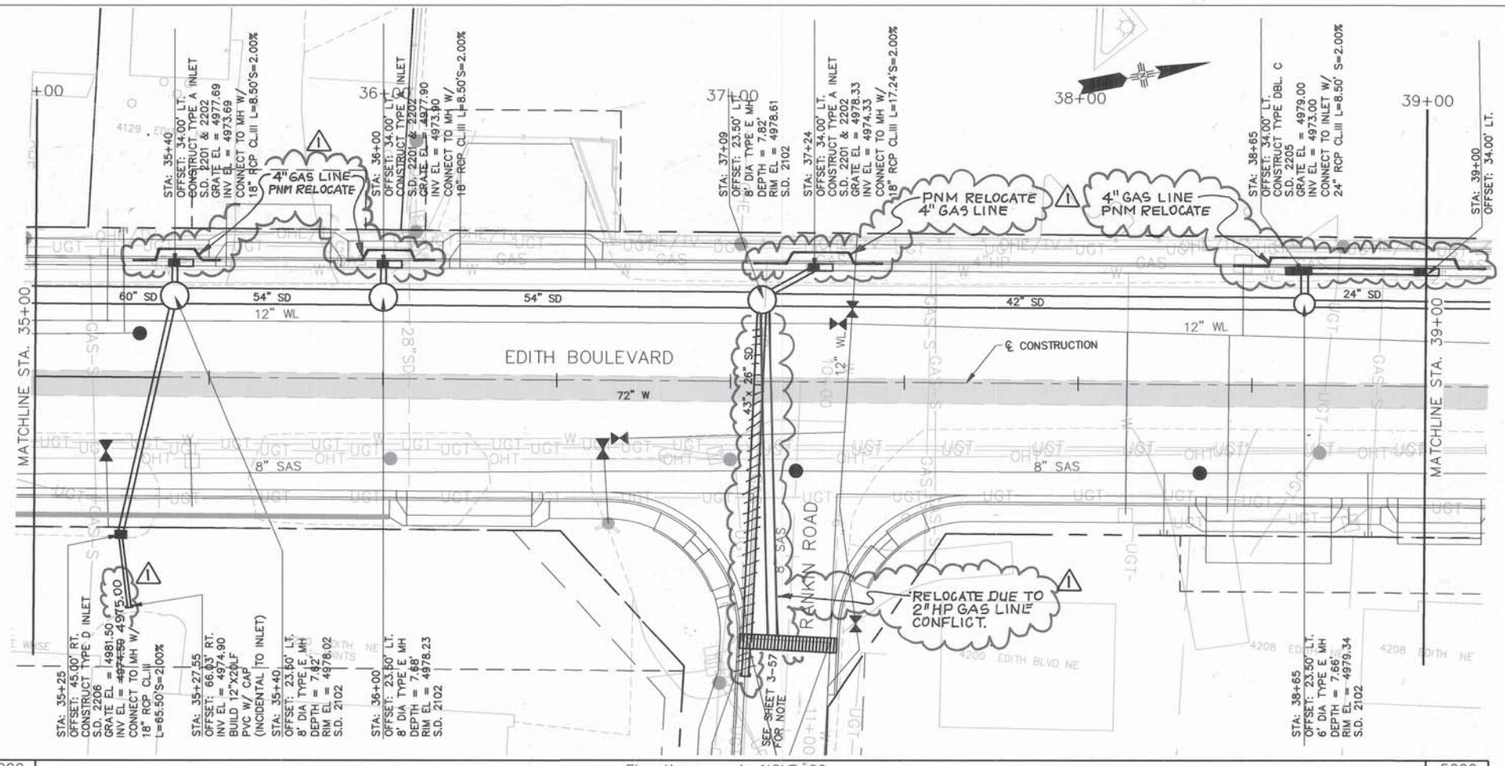

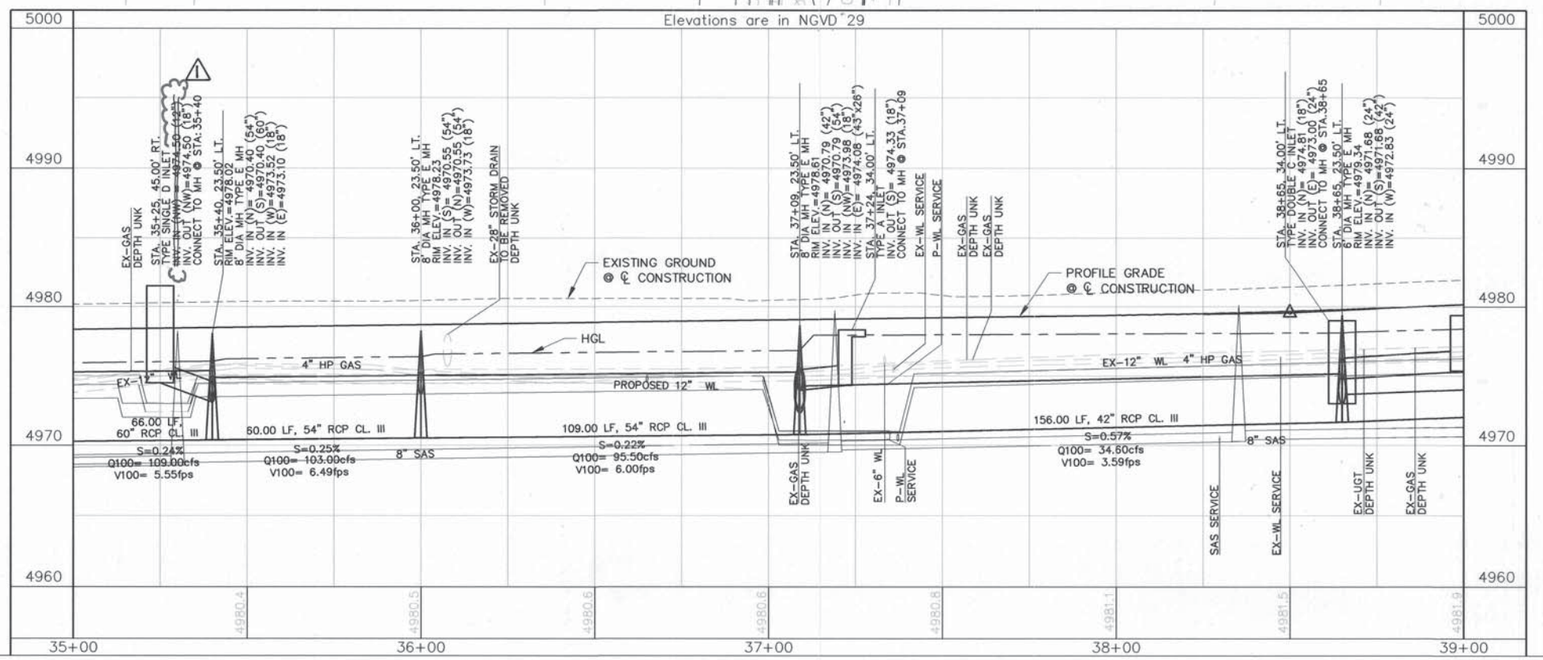

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GRAPHIC SCALE

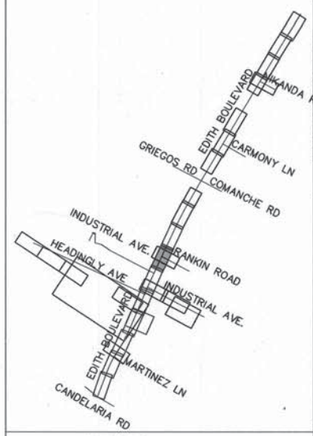
(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER OR FROM MH CENTER TO INSIDE EDGE OF INLET ALONG THE HORIZONTAL

2. GRATE ELEVATIONS ARE GIVEN AT THE NORMAL CURB ℄.

RECORD DRAWING



PB Parsons Brinckerhoff

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION

CONTRACTOR	A.S. MENNER	
WORK STAKED BY	SANDER MILLER	DATE
INSPECTORS		
ACCEPTANCE BY	BCPWD	DATE
VERIFICATION BY	BCPWD	DATE
CORRECTED BY	P.B.	DATE
MICRO-FILM INFORMATION		
RECORDED BY		DATE
NO.		

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

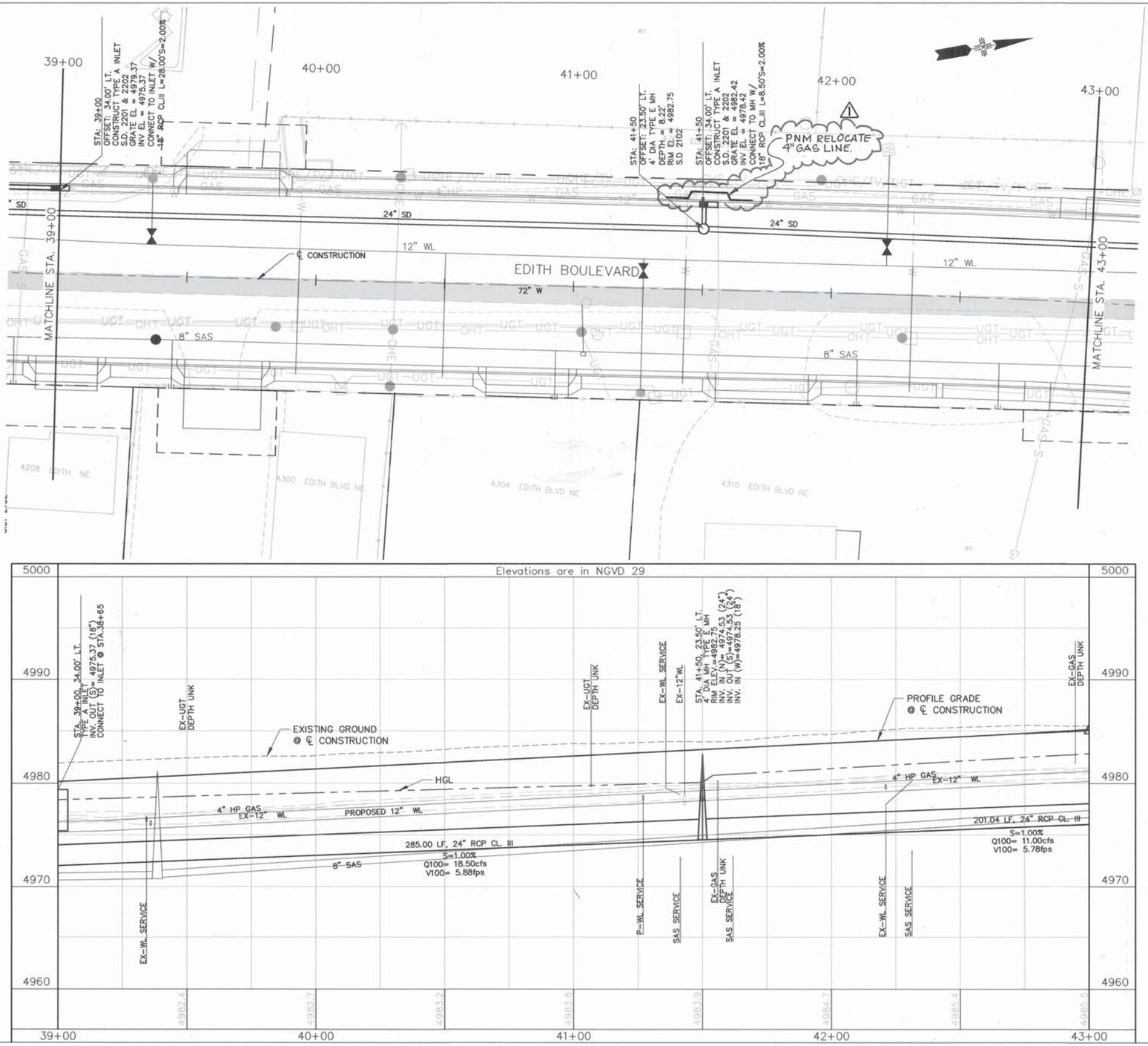
NO.	DATE	REMARKS	DESIGN	BY
1	04/09	RELOCATE GAS LINE & STORM DRAIN. CHANGE PIPE FROM 24" TO 42" RCP.	DESIGNED BY	VRV
			DRAWN BY	BPB & TT 08/01/07
			CHECKED BY	JB 08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
STORM DRAIN PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-44



GRAPHIC SCALE

(IN FEET)
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HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER OR FROM MH CENTER TO INSIDE EDGE OF INLET ALONG THE HORIZONTAL

2. GRATE ELEVATIONS ARE GIVEN AT THE NORMAL CURB ℄.

RECORD DRAWING

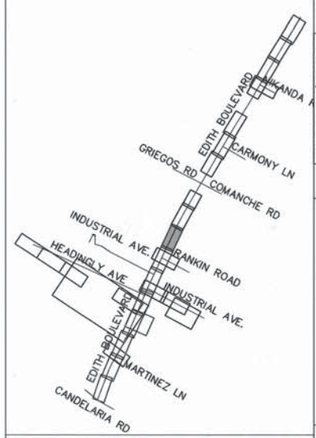
SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER DATE
WORK STAKED BY SNYDER MILLER DATE
INSPECTORS ACCEPTANCE BY BCPWD 1/09 DATE
FIELD VERIFICATION BY BCPWD 1/09 DATE
AS BUILT CORRECTED BY P.B. 6/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER



NO.	DATE	REMARKS	BY
1	04/09	RELOCATE GAS LINE	YRV

DESIGN

DESIGNED BY	BPB & TT	DATE	08/01/07
DRAWN BY	BPB & TT	DATE	08/01/07
CHECKED BY	JB	DATE	08/01/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
STORM DRAIN PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-45

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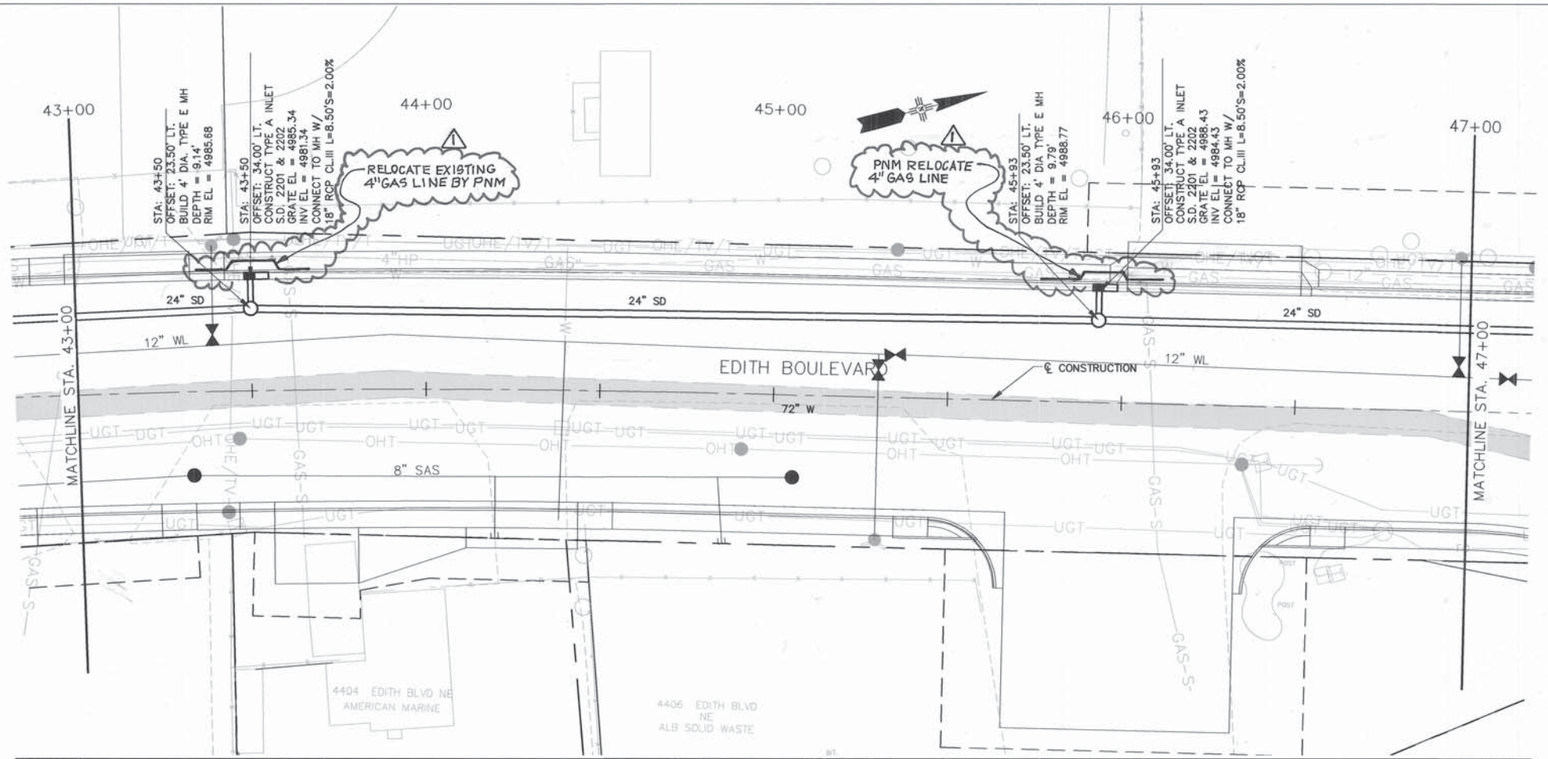


GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

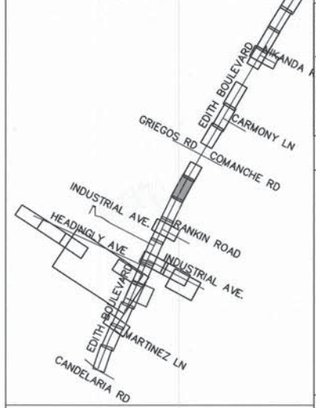
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER OR FROM MH CENTER TO INSIDE EDGE OF INLET ALONG THE HORIZONTAL

2. GRATE ELEVATIONS ARE GIVEN AT THE NORMAL CURB ℄.

RECORD DRAWING



PB Parsons Brinckerhoff

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER DATE
WORK STAKED BY SKIPPER MILLER 3/09 DATE
INSPECTOR'S ACCEPTANCE BY BCPWD 3/09 DATE
VERIFICATION BY BCPWD 3/09 DATE
CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCHANAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	06/09	RELOCATE GAS LINE	YRV

DESIGN

DESIGNED BY	BPB & TT	DATE 08/01/07
DRAWN BY	BPB & TT	DATE 08/01/07
CHECKED BY	JB	DATE 08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
STORM DRAIN PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-46

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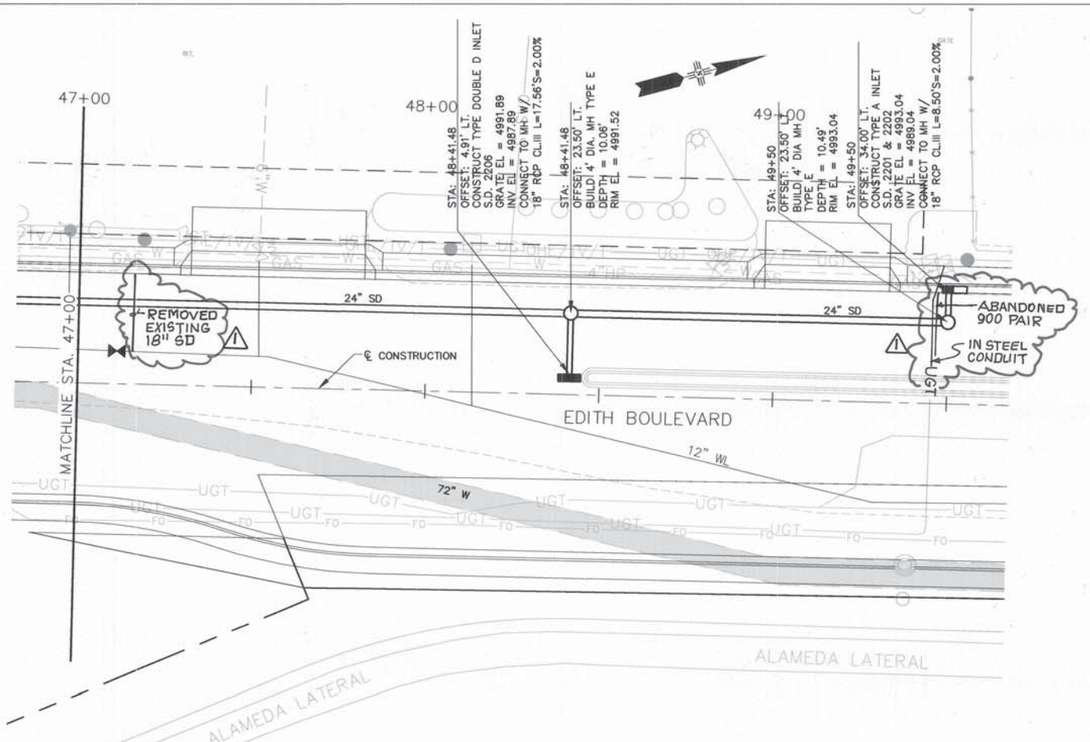
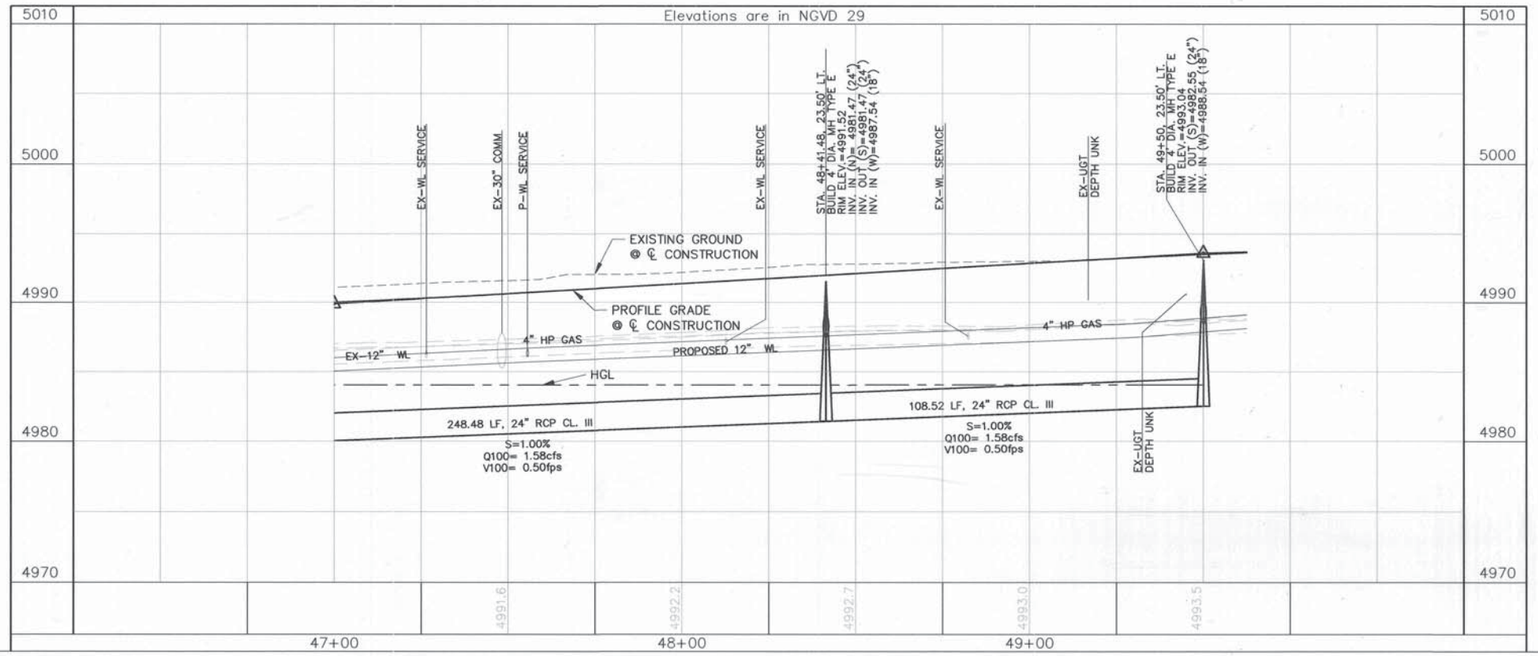




GRAPHIC SCALE

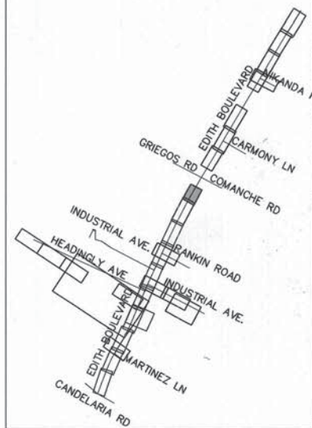
(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER OR FROM MH CENTER TO INSIDE EDGE OF INLET ALONG THE HORIZONTAL

2. GRATE ELEVATIONS ARE GIVEN AT THE NORMAL CURB ℄.

RECORD DRAWING



PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HARNER
WORK STAKED BY SNIDER MILLER 3/09 DATE
INSPECTORS ACCEPTANCE BY R.A.PINO 3/09 DATE
VERIFICATION BY R.C.PINO 3/09 DATE
CORRECTED BY P.B. 3/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/7/07

NO.	DATE	REMARKS	BY
1	04/09	REMOVED EXISTING 18"SD, ABANDONED 900 PAIR	YKV

DESIGN
DESIGNED BY BPB & TT DATE 08/01/07
DRAWN BY BPB & TT DATE 08/01/07
CHECKED BY JB DATE 08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
STORM DRAIN PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-47

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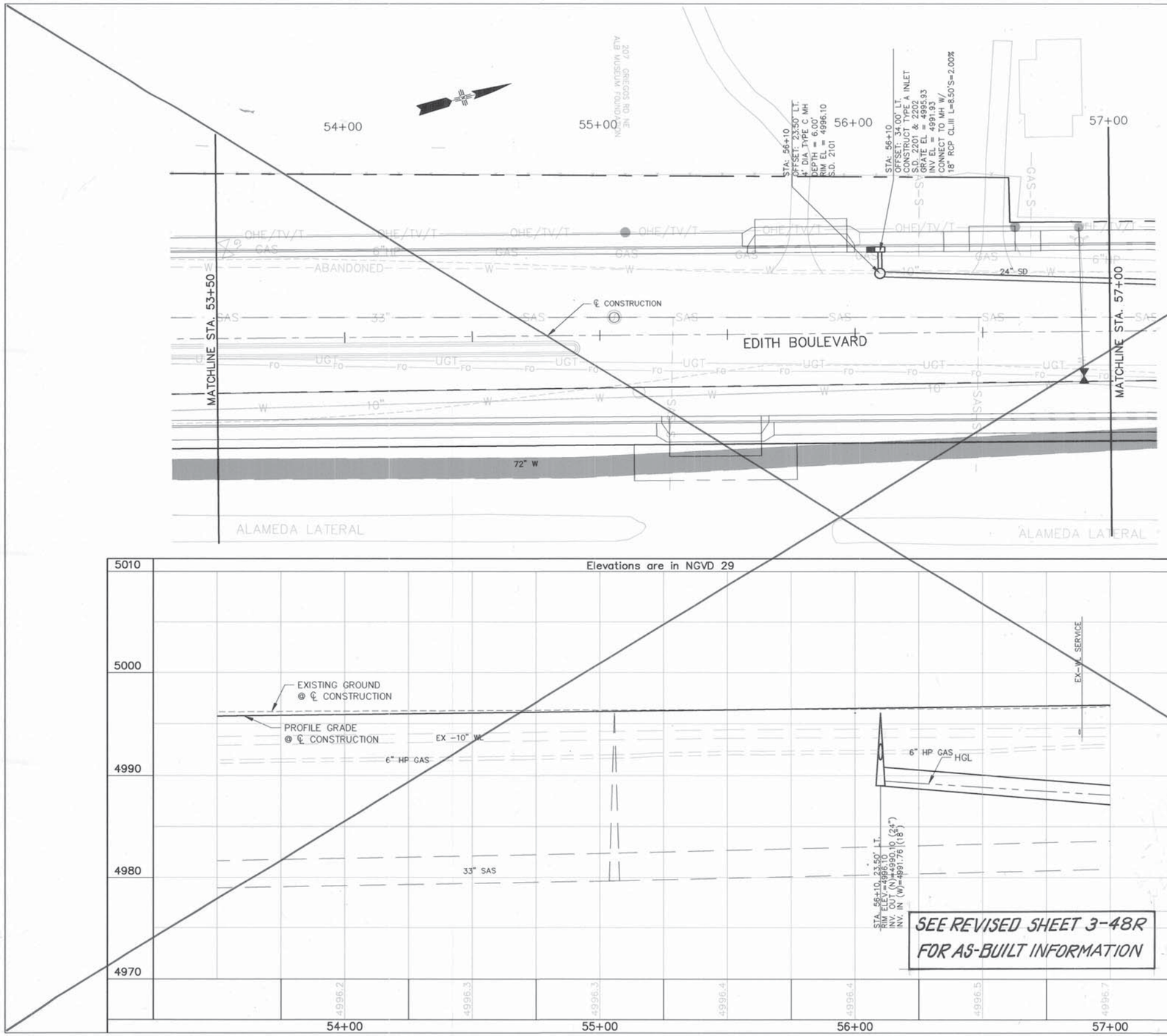


SEE REVISED SHEET 3-48R
FOR AS-BUILT INFORMATION

GRAPHIC SCALE

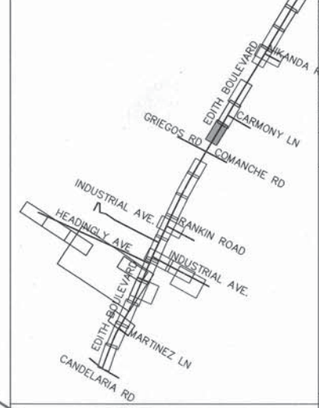
(IN FEET)
1 inch = 20 ft.

HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER OR FROM MH CENTER TO INSIDE EDGE OF INLET ALONG THE HORIZONTAL.
2. GRATE ELEVATIONS ARE GIVEN AT THE NORMAL CURB ℄.

RECORD DRAWING



PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
STORM DRAIN PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-48

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STARTED BY — DATE
INSPECTOR'S FIELD CHANGE BY — DATE
VERIFICATION BY — DATE
CORRECTED BY — DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCHMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY — BPB & TT — DATE 08/01/07	
		DRAWN BY — BPB & TT — DATE 08/01/07	
		CHECKED BY — JB — DATE 08/01/07	

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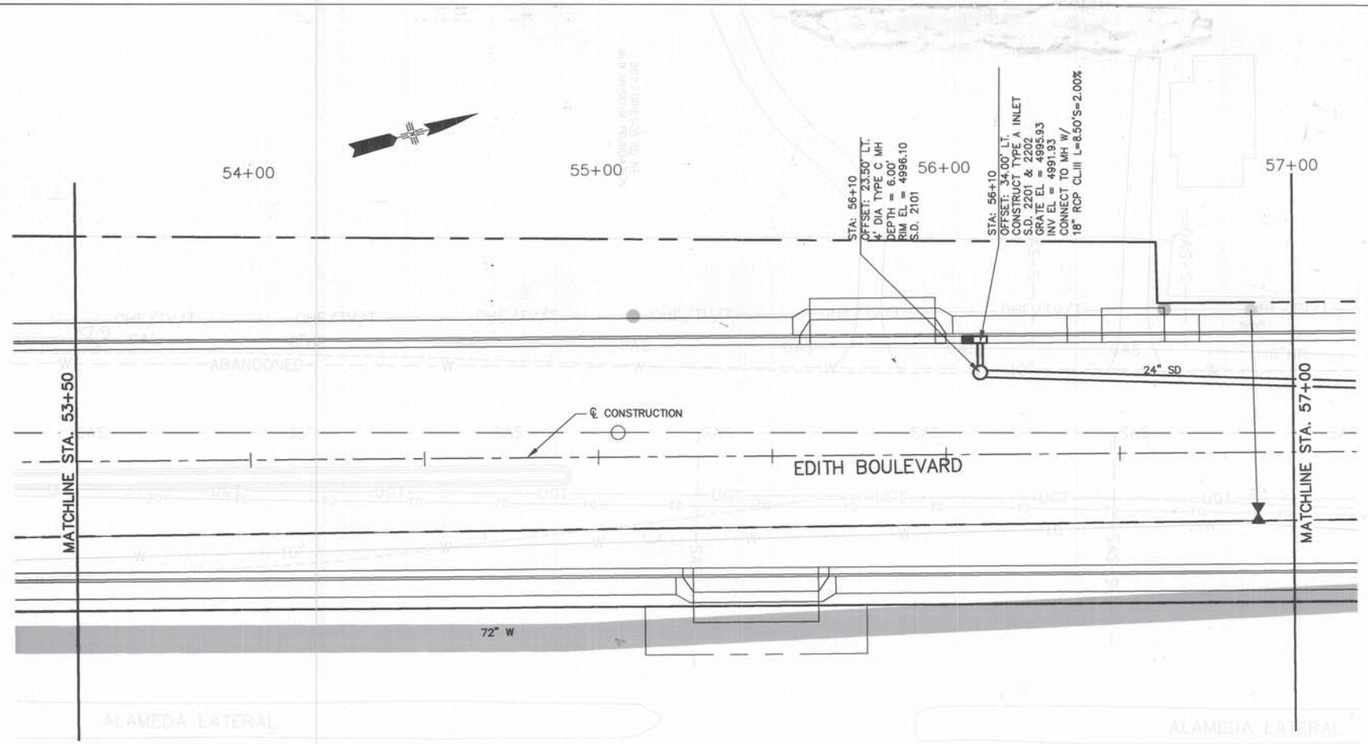
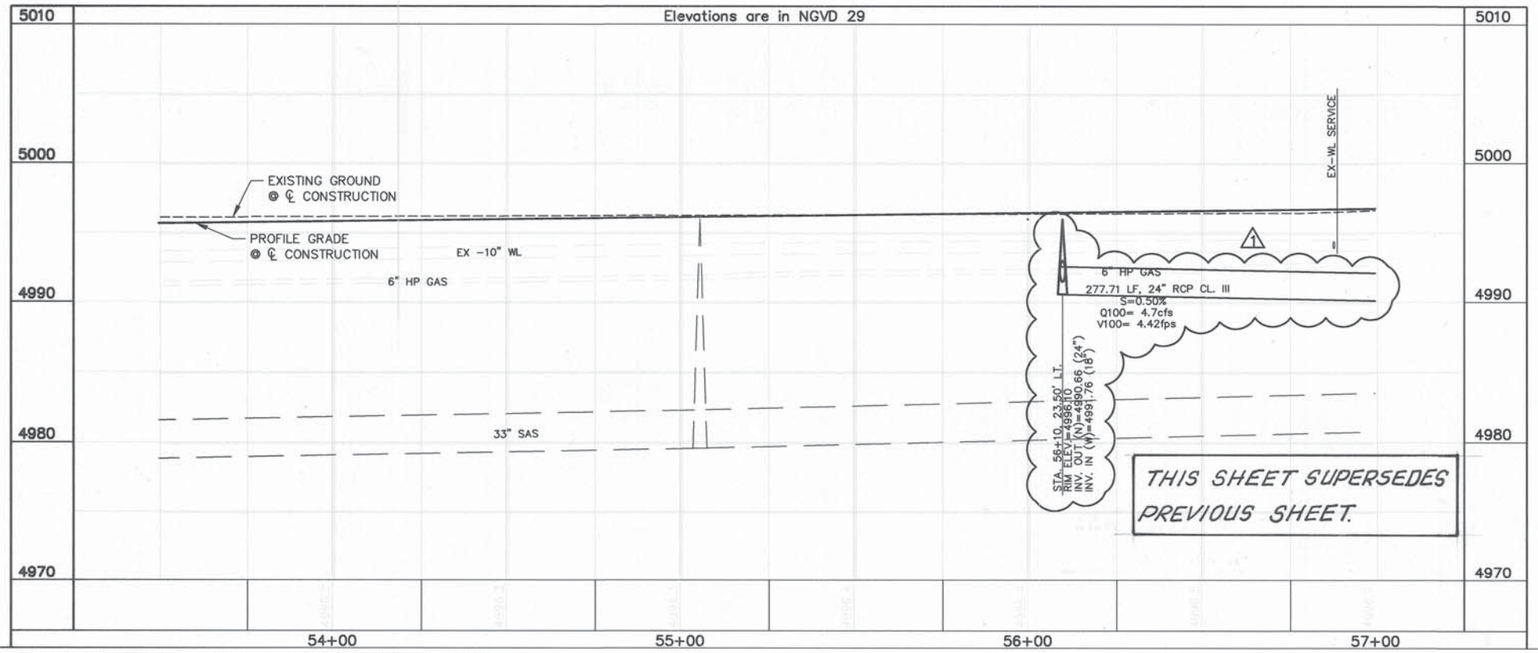




GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

1 inch = 20 ft.

HORZ. SCALE: 1" = 20'

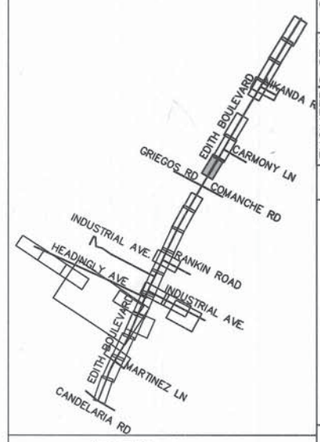
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER OR FROM MH CENTER TO INSIDE EDGE OF INLET ALONG THE HORIZONTAL

2. GRATE ELEVATIONS ARE GIVEN AT THE NORMAL CURB ℄.

RECORD DRAWING



PB Parsons Brinckerhoff

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION
CONTRACTOR A.S. HOKINS DATE
STAKED BY SNYDER MILLER DATE
INSPECTORS BY BCPWD 1/09 DATE
FIELD REVISIONS BY BCPWD 1/09 DATE
DRAWING REVISION BY BCPWD 5/09 DATE
CORRECTED BY P. B. DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13082
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	7/08	REVISED STORM DRAIN	JB

DESIGN
DESIGNED BY BPB & TT DATE 06/01/07
DRAWN BY BPB & TT DATE 06/01/07
CHECKED BY JB DATE 06/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

STORM DRAIN PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-48R

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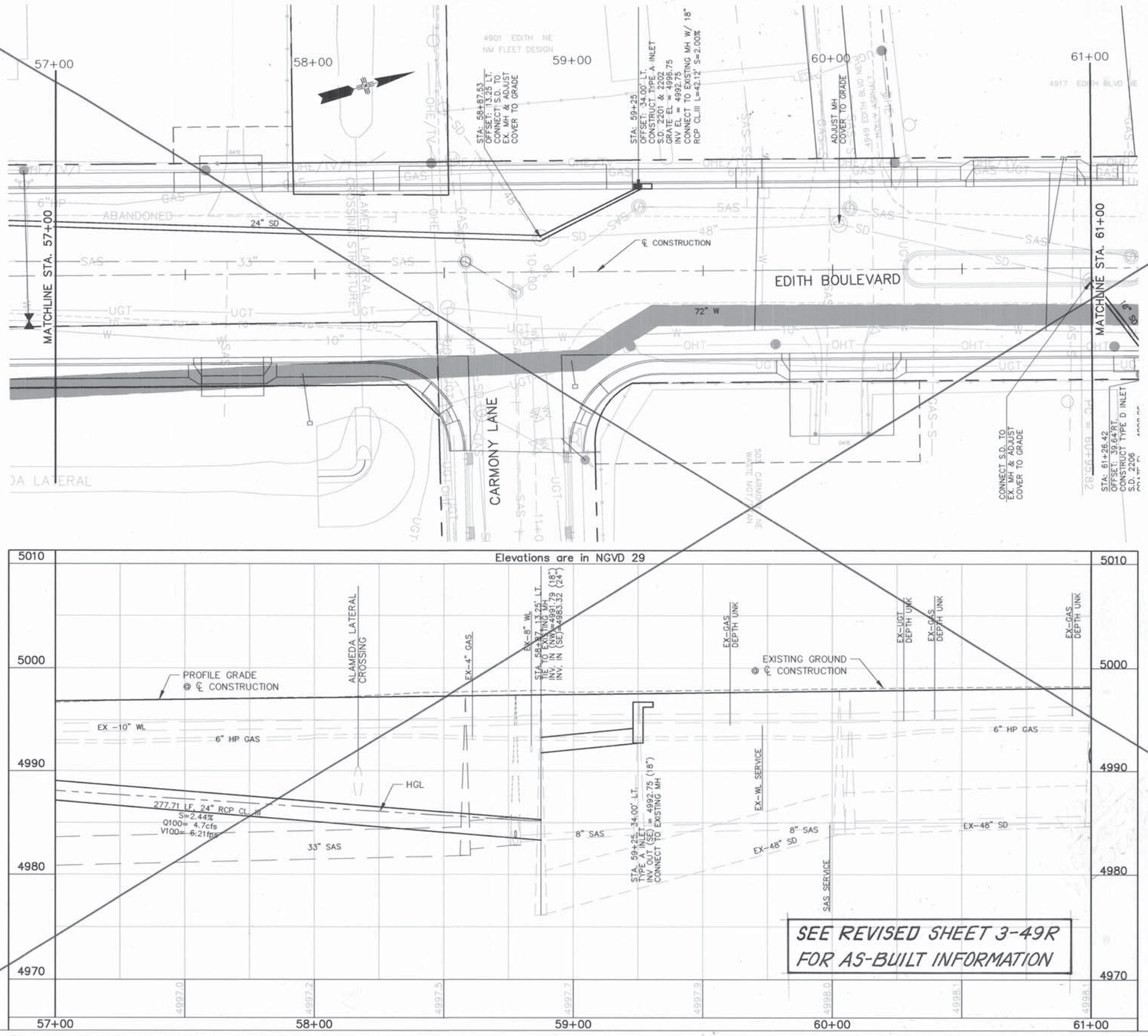

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
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HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

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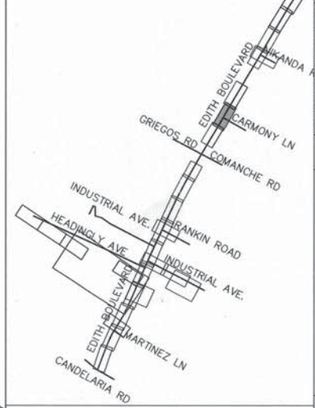
2. GRATE ELEVATIONS ARE GIVEN AT THE NORMAL CURB ℄.

RECORD DRAWING



PB Parsons Brinckerhoff

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION

	DATE
CONTRACTOR	
WORK STAKED BY	DATE
INSPECTION'S	
CHANGE BY	DATE
FIELD VERIFICATION BY	
AS BUILTS BY	DATE
CORRECTED BY	
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

ENGINEER'S SEAL

JAMES H. BUSSMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY BPB & TT	DATE 08/01/07
		DRAWN BY BPB & TT	DATE 08/01/07
		CHECKED BY JB	DATE 08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
STORM DRAIN PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-49

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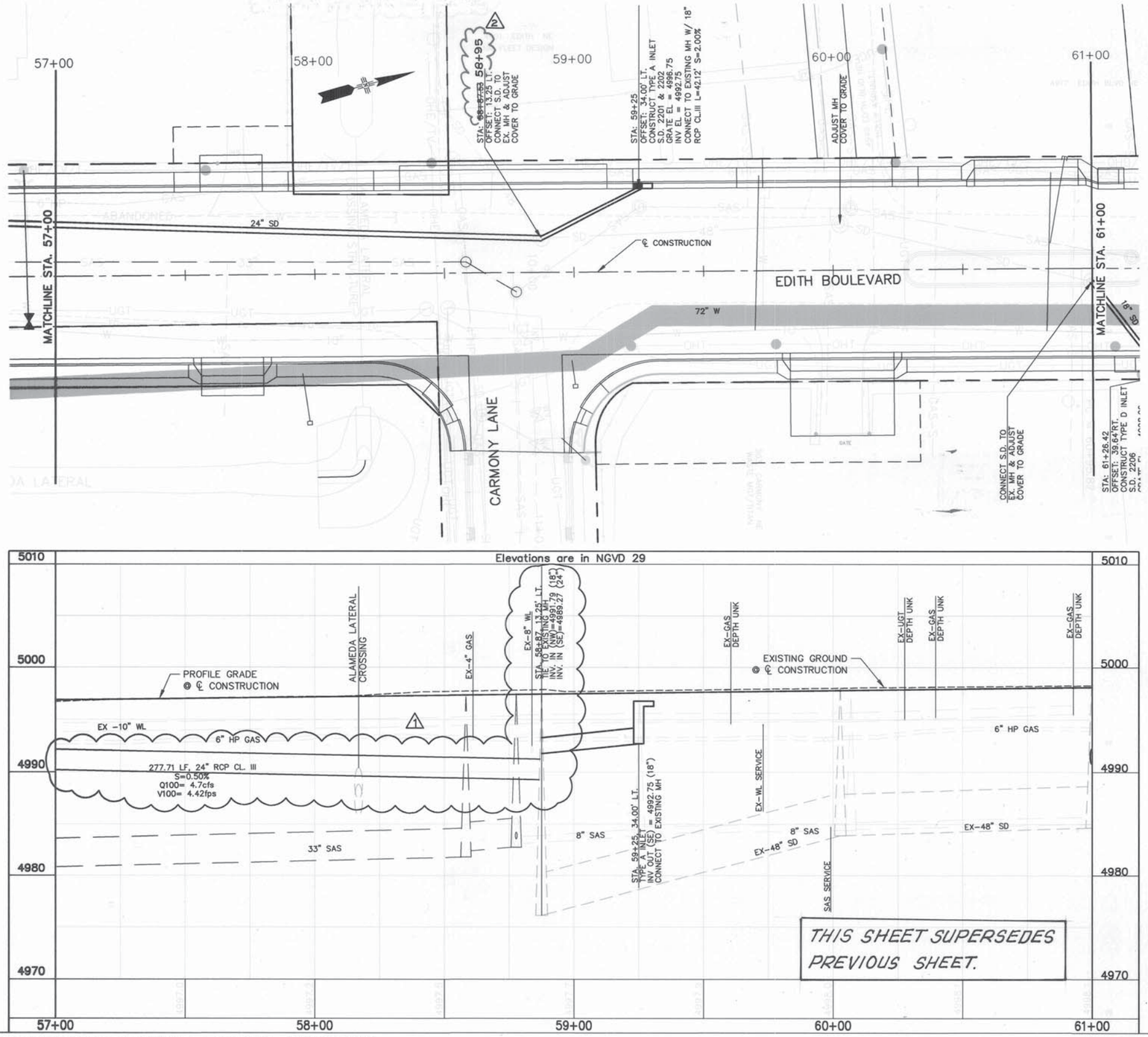

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
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HORZ. SCALE: 1" = 20'
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GENERAL NOTES

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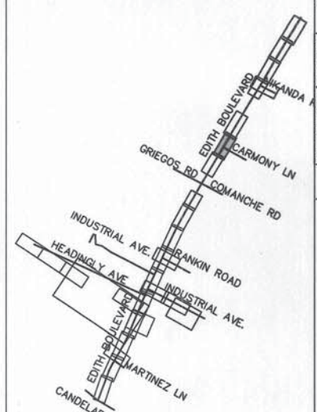
2. GRATE ELEVATIONS ARE GIVEN AT THE NORMAL CURB ℄.

RECORD DRAWING



PB Parsons Brinckerhoff

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

AS BUILT INFORMATION

CONTRACTOR A.S. HOKUM
STAKED BY SNYDER MILLER 7-08 DATE
INSPECTOR
AS BUILT CHANGE BY B&P MD 1-09 DATE
FIELD
VERIFICATION BY B&P MD 3-09 DATE
CORRECTED BY P.B. 5-09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	04/09	STA. CHANGE	YRV
2	7/08	REVISED STORM DRAIN	JB

DESIGN

DESIGNED BY	BPB & TT	DATE 08/01/07
DRAWN BY	BPB & TT	DATE 08/01/07
CHECKED BY	JB	DATE 08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
STORM DRAIN PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-49R

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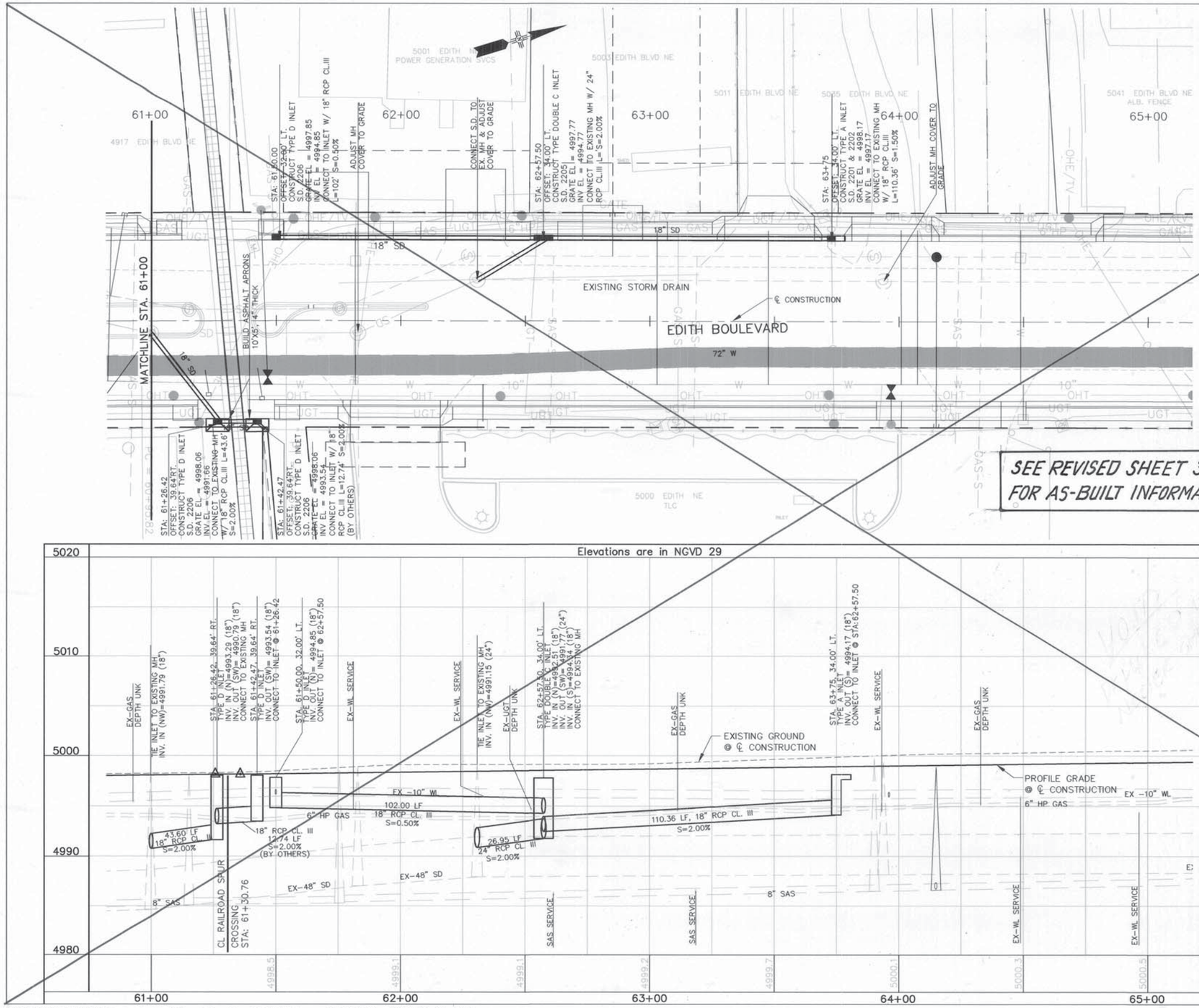

GRAPHIC SCALE

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2. GRATE ELEVATIONS ARE GIVEN AT THE NORMAL CURB ℄.

RECORD DRAWING

PB Parsons Brinckerhoff

SURVEY INFORMATION FIELD NOTES			BENCH MARKS	AS BUILT INFORMATION
NO.	BY	DATE	ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on sold drop inlet. NGVD 29 Elev. = 4984.00'	CONTRACTOR DATE WORK STAKED BY DATE INSPECTOR'S FIELD CHANGE BY DATE FIELD VERIFICATION BY DATE AS-BUILTING BY CORRECTION BY DATE MICRO-FILM INFORMATION RECORDED BY DATE NO.

ENGINEER'S SEAL

JAMES H. HOWARD 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY	DESIGN
			DESIGNED BY	BPB & TT 08/01/07
			DRAWN BY	BPB & TT 08/01/07
			CHECKED BY	JB 08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
STORM DRAIN PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F–15, G–15	3–50

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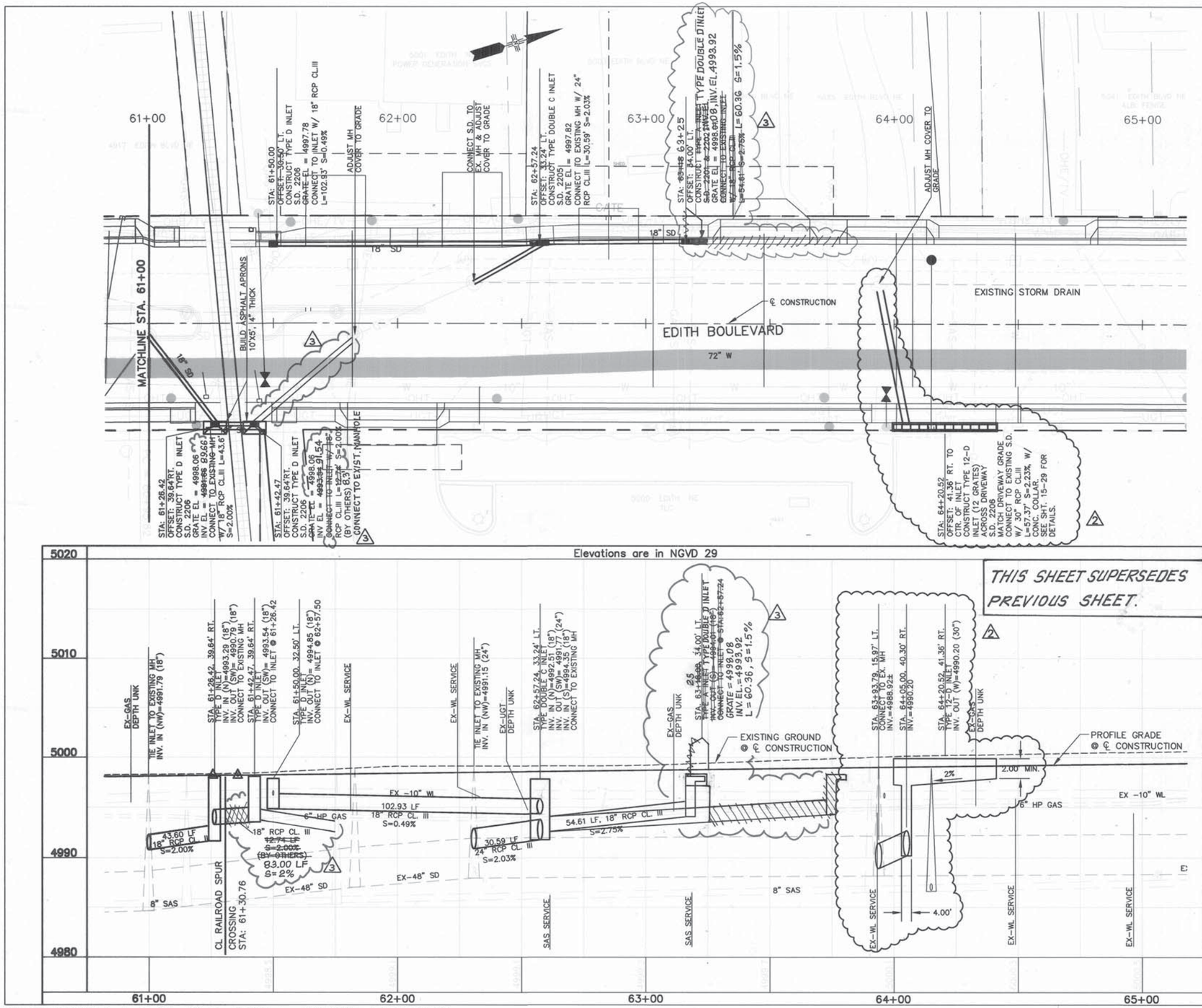

GRAPHIC SCALE

(IN FEET)
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GENERAL NOTES

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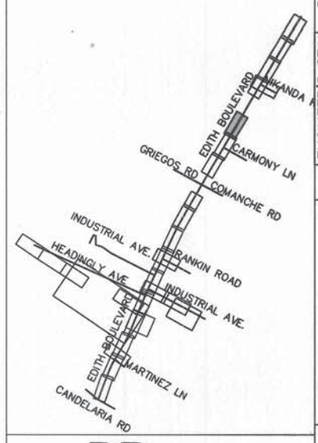
2. GRATE ELEVATIONS ARE GIVEN AT THE NORMAL CURB ℄.

RECORD DRAWING



SURVEY INFORMATION — BENCH MARKS — AS BUILT INFORMATION

FIELD NOTES

NO.	BY	DATE

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", spoiled to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

CONTRACTOR A.S. HOANER
STAKED BY SAWER, MILLER & 6/06 DATE
INSPECTORS BY B.C.PWD 1/09 DATE
FIELD VERIFICATION BY B.C.PWD 1/09 DATE
CORRECTED BY P. B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL

JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
4	04/09	REVISED STORM DRAIN & ELEVS.	YRV
3	10/08	CATTLEGUARD INLET ADDED	JB
2	6/08	STORM DRAIN REVISED	DE
1			

DESIGN

DESIGNED BY	BPB & TT	DATE	08/01/07
DRAWN BY	BPB & TT	DATE	08/01/07
CHECKED BY	JB	DATE	08/01/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

STORM DRAIN PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
785181	F–15, G–15	3–50R

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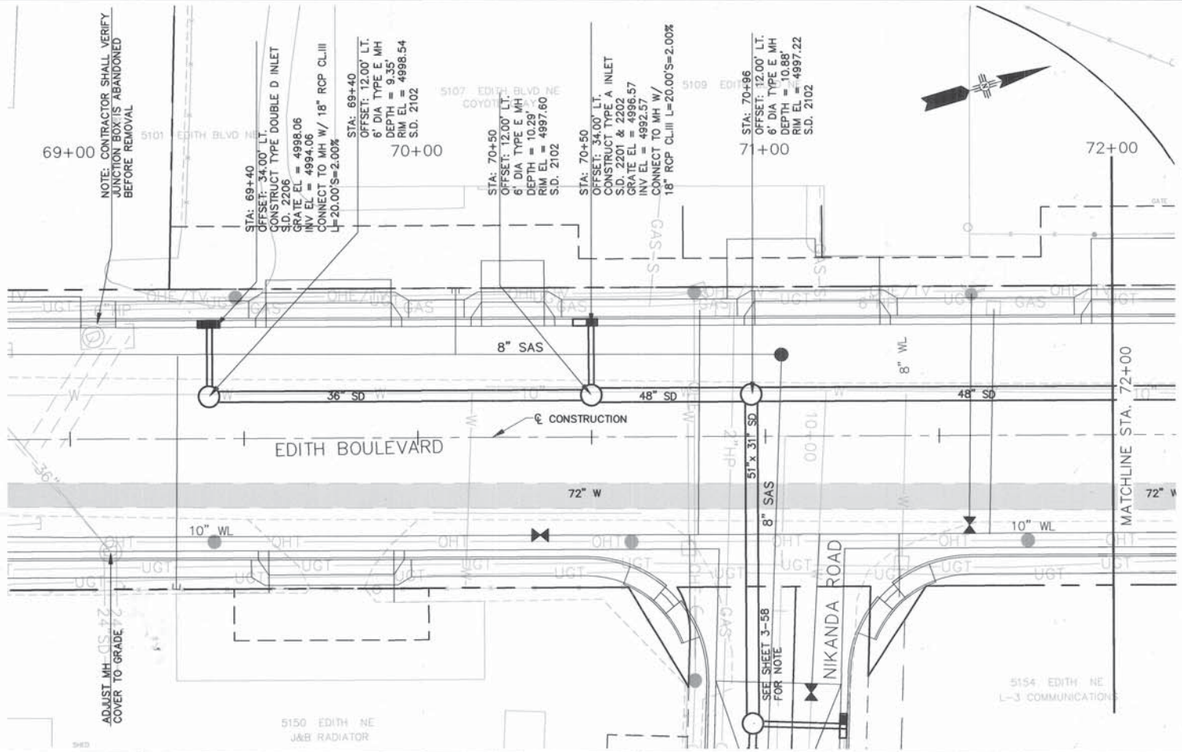


GRAPHIC SCALE

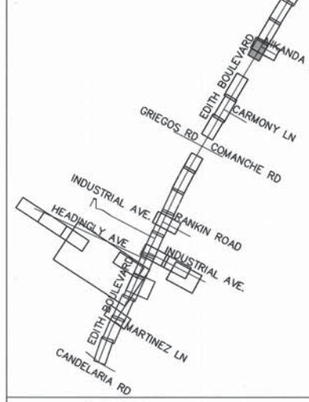
(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER OR FROM MH CENTER TO INSIDE EDGE OF INLET ALONG THE HORIZONTAL

2. GRATE ELEVATIONS ARE GIVEN AT THE NORMAL CURB ℄.

RECORD DRAWING



PB Parsons Brinckerhoff

AS BUILT INFORMATION			
CONTRACTOR	A.S. HORNER		
WORK STAKED BY	SOMMER MILLER 3/09		DATE
INSPECTORS			
ACCEPTANCE BY	BCPWD 3/09		DATE
VERIFICATION BY	BCPWD 3/09		DATE
CORRECTED BY	P.B. 3/09		DATE
MICRO-FILM INFORMATION			
RECORDED BY			DATE
NO.			

SURVEY INFORMATION		
FIELD NOTES		
NO.	BY	DATE

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

ENGINEER'S SEAL

JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

DESIGN			
DESIGNED BY	BPB & TT	DATE	08/01/07
DRAWN BY	BPB & TT	DATE	08/01/07
CHECKED BY	JB	DATE	08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

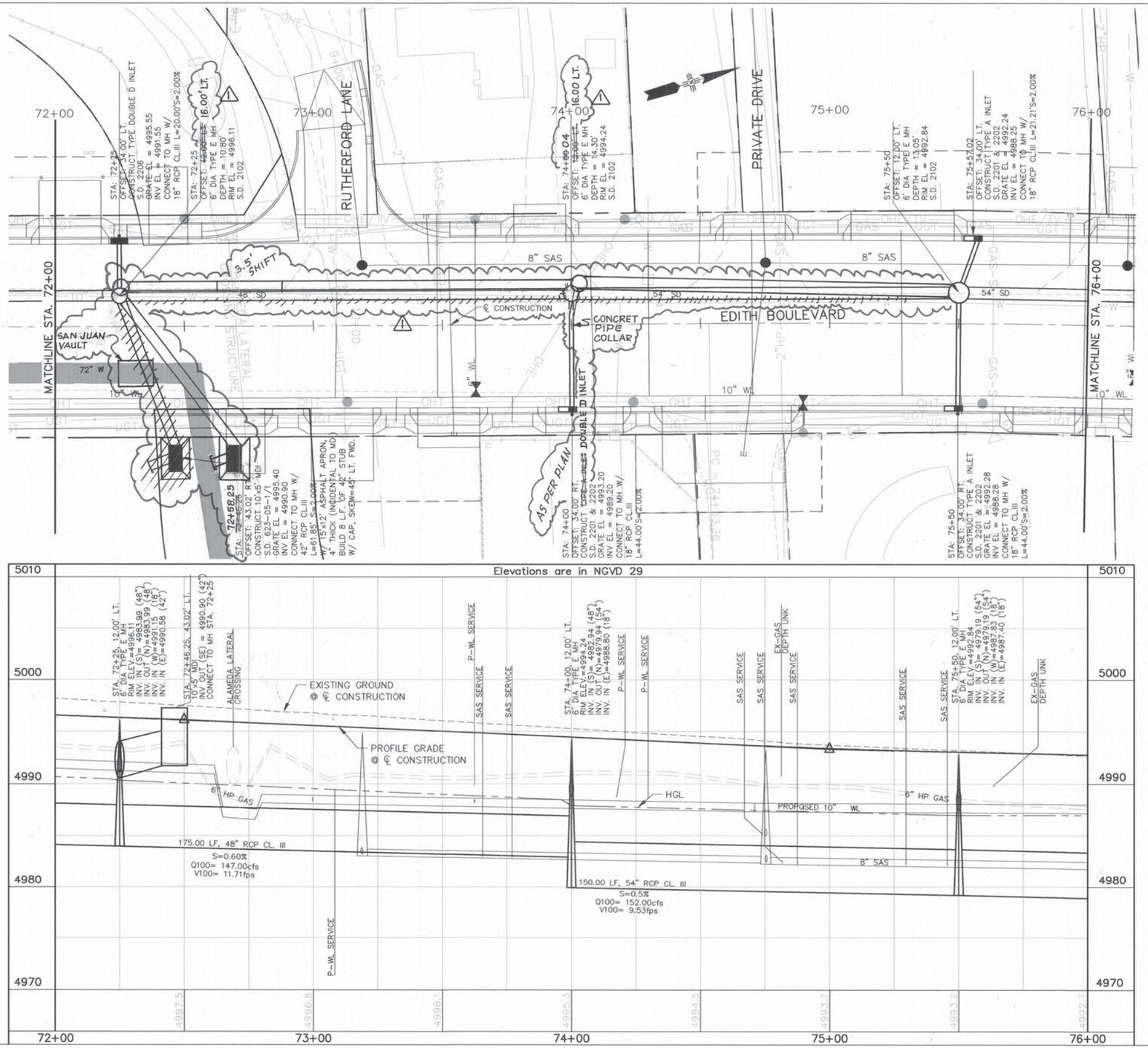
EDITH BLVD. RECONSTRUCTION

STORM DRAIN PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-51

G:\33588_Edith\04 Engineering\Plans\Section 3\3DRN.dwg 8/2/2007 11:04:45 AM MDT



GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER OR FROM MH CENTER TO INSIDE EDGE OF INLET ALONG THE HORIZONTAL

2. GRATE ELEVATIONS ARE GIVEN AT THE NORMAL CURB ℄.

RECORD DRAWING

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet. ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION

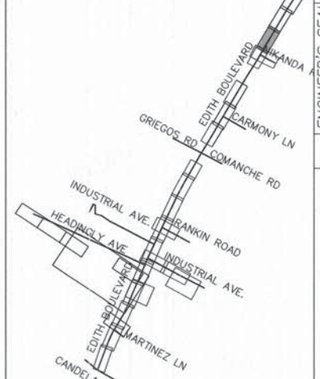
CONTRACTOR A.S. HORNER
WORK STAKED BY SNYDER MILLER INC DATE
INSPECTORS & FIELD VERIFICATION BY B.&PWD 1/09 DATE
AS-BUILTS BY B.&PWD 1/09 DATE
CORRECTED BY P.B. 5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY
DATE
NO.

ENGINEER'S SEAL

JAMES H. BURNHAM
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER



NO.	DATE	REVISED STORM DRAIN & ELEVS.	BY
1	04/09		VAV

DESIGN REMARKS

DESIGNED BY	BPB & TT	DATE	08/01/07
DRAWN BY	BPB & TT	DATE	08/01/07
CHECKED BY	JB	DATE	08/01/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

STORM DRAIN PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-52

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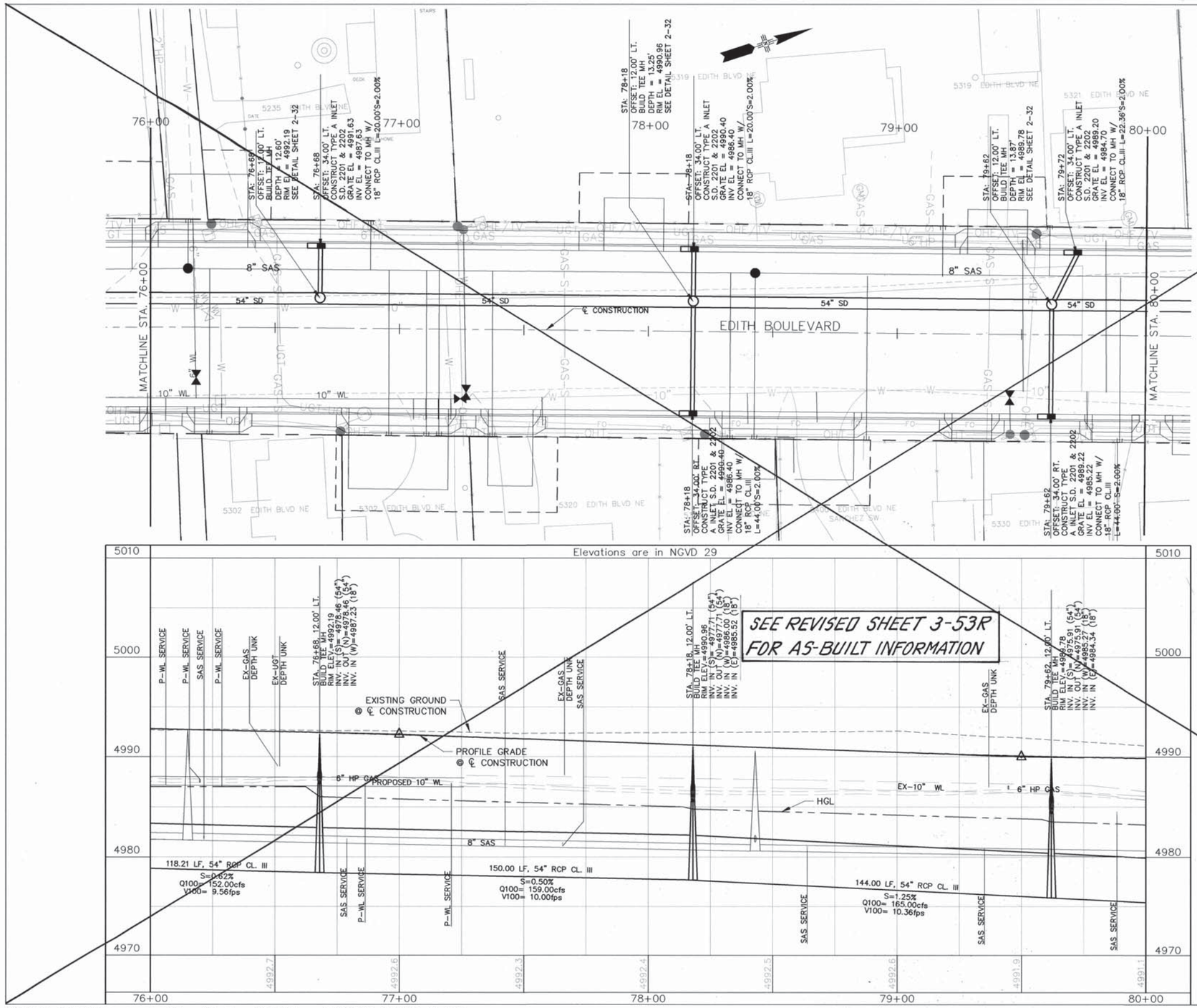


GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

1 inch = 20 ft.

HORZ. SCALE: 1" = 20'

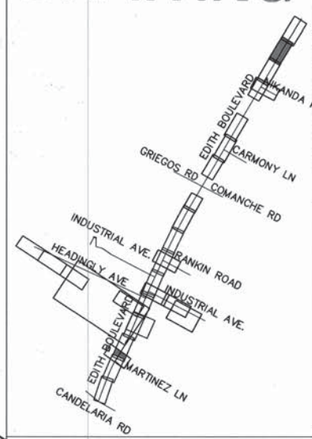
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER OR FROM MH CENTER TO INSIDE EDGE OF INLET ALONG THE HORIZONTAL.

2. GRATE ELEVATIONS ARE GIVEN AT THE NORMAL CURB ℄.

RECORD DRAWING



SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION

	DATE
CONTRACTOR	
WORK STAKED BY	
INSPECTOR'S ACCEPTANCE BY	
VERIFICATION BY	
CORRECTED BY	
RECORDED BY	

MICRO-FILM INFORMATION

NO.	DATE

ENGINEER'S SEAL

JAMES H. BURKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
7/1/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY BPB & TT	DATE 08/01/07
		DRAWN BY BPB & TT	DATE 08/01/07
		CHECKED BY JB	DATE 08/01/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

STORM DRAIN PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-53

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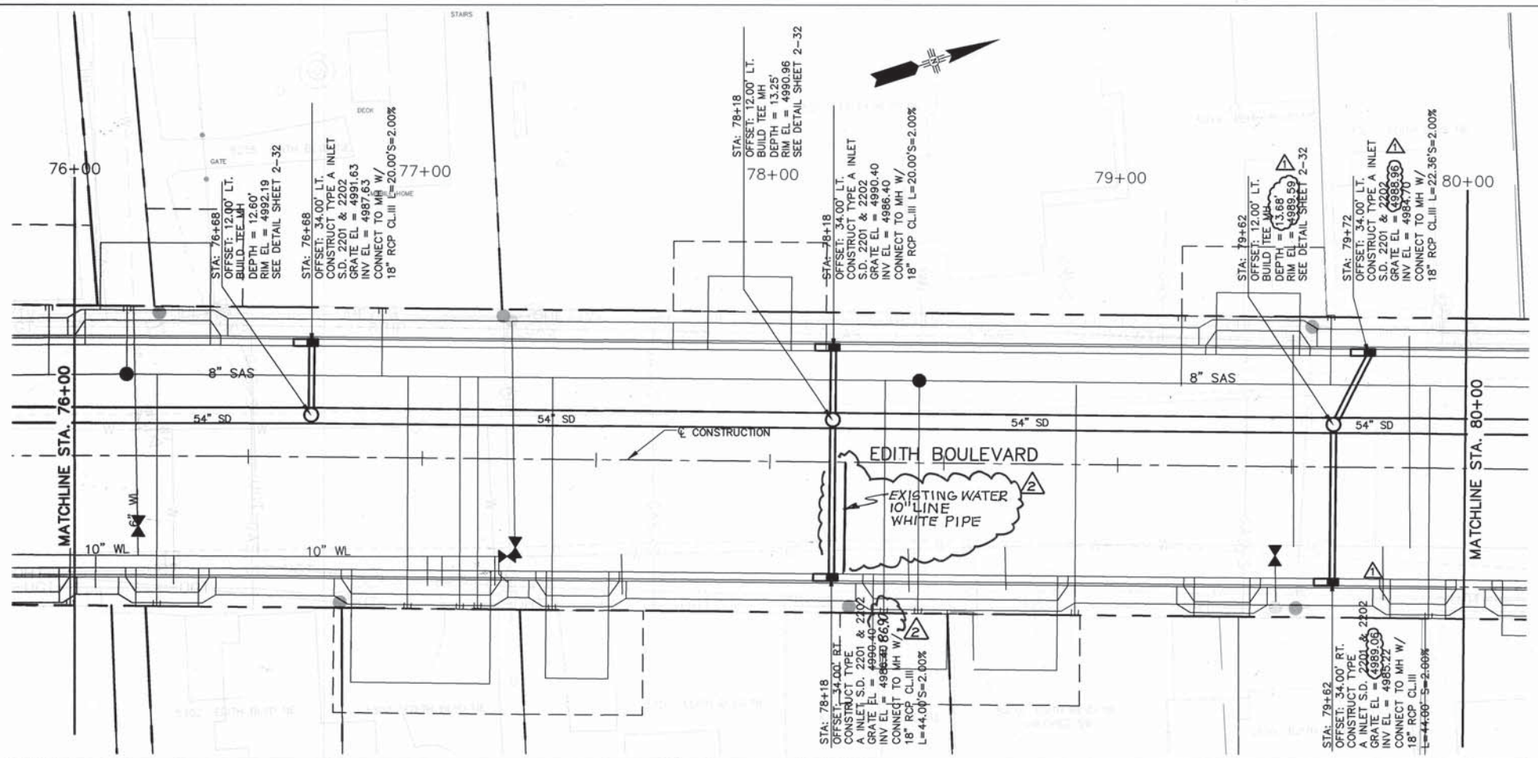


GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.

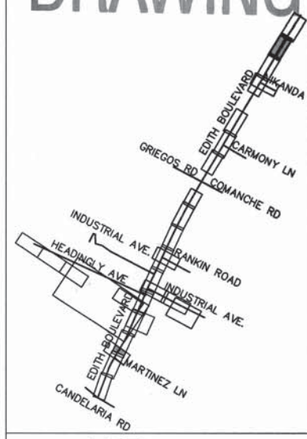
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER OR FROM MH CENTER TO INSIDE EDGE OF INLET ALONG THE HORIZONTAL.

2. GRATE ELEVATIONS ARE GIVEN AT THE NORMAL CURB ℄.

RECORD DRAWING



PB Parsons Brinckerhoff

SURVEY INFORMATION		BENCH MARKS	AS BUILT INFORMATION	
FIELD NOTES		ACS 1 3/4" Aluminum disk,	CONTRACTOR A.S. HORNER	
NO.	BY	DATE	stamped "ACS BM, 9-F15",	STAKED BY SNYDER MILLER 7/09 DATE
			epoxied to top of concrete drop inlet,	INSPECTORS MARKINGS BY BKPWD 1/09 DATE
			ENE quadrant of Montano Rd. & Edith Blvd. NE,	FIELD LOCATION BY BKPWD 1/09 DATE
			centered on solid drop inlet.	CORRECTED BY P.B. 5/09 DATE
			NGVD 29 Elev. = 4984.00'	MICRO-FILM INFORMATION
				RECORDED BY DATE
				NO.

ENGINEER'S SEAL: JAMES H. BUCKMAN, NEW MEXICO, 13062, REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
2	04/09	EXIST. 10"WATER LINE&INV. EL.	VRV
1	5/15/08	ROADWAY REVISED	JHB

DESIGN

DESIGNED BY	BPB & TT	DATE 06/01/07
DRAWN BY	BPB & TT	DATE 06/01/07
CHECKED BY	JB	DATE 06/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

STORM DRAIN PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-53R

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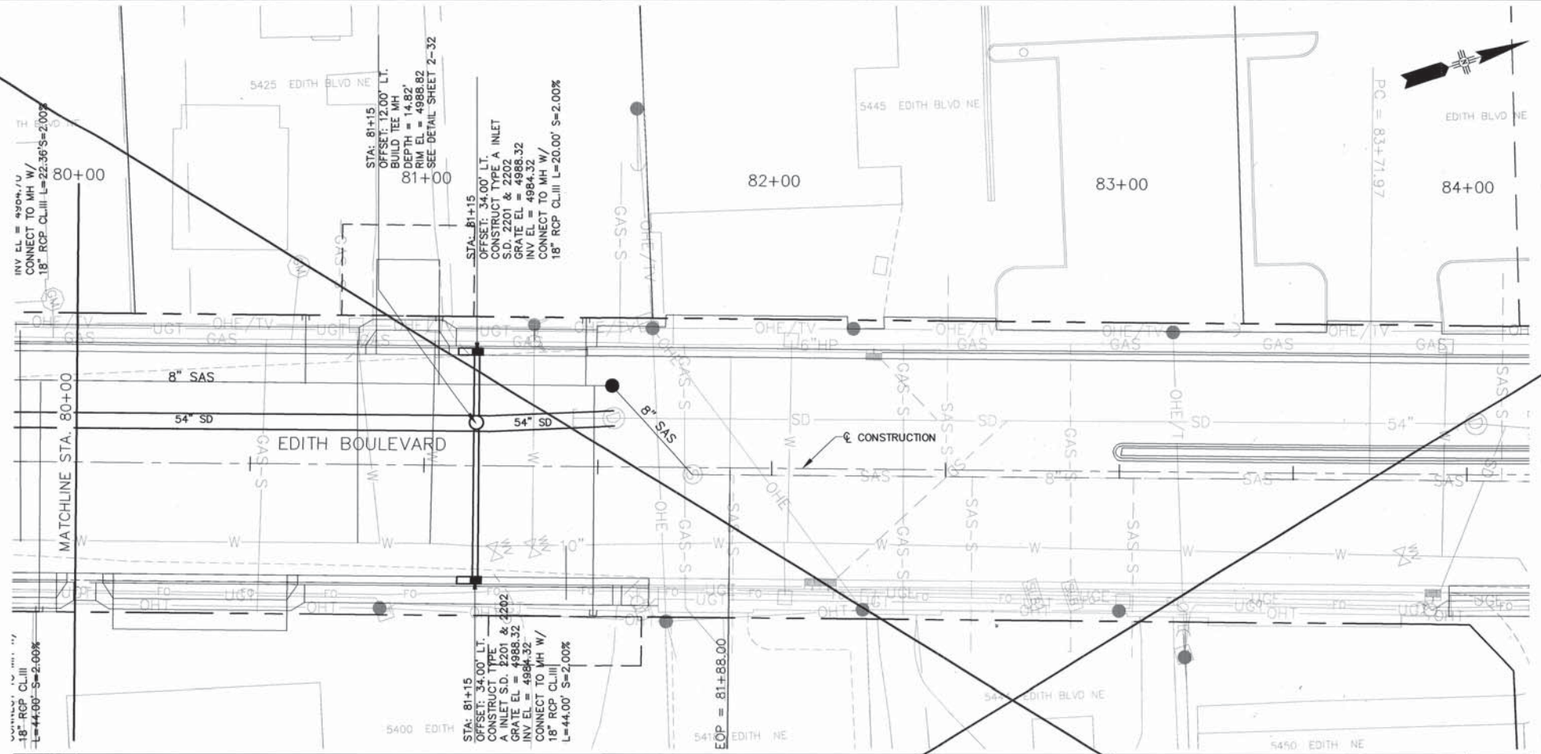


GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.

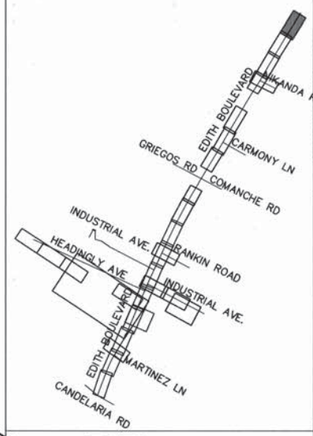
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER OR FROM MH CENTER TO INSIDE EDGE OF INLET ALONG THE HORIZONTAL.

2. GRATE ELEVATIONS ARE GIVEN AT THE NORMAL CURB ℄.

RECORD DRAWING



PB Parsons Brinckerhoff

SURVEY INFORMATION	BENCH MARKS	AS BUILT INFORMATION
FIELD NOTES	ACS 1 3/4" Aluminum disk,	CONTRACTOR
NO. BY DATE	stamped "ACS BM, 9-F15",	WORK STARTED BY DATE
	epoxied to top of concrete drop inlet,	INSPECTOR'S ACCEPTANCE BY DATE
	ENE quadrant of Montano Rd. & Edith Blvd. NE,	FIELD VERIFICATION BY DATE
	centered on said drop inlet.	AS-BUILTS CORRECTED BY DATE
	NGVD 29 Elev. = 4984.00'	MICRO-FILM INFORMATION
		RECORDED BY DATE
		NO.

ENGINEER'S SEAL

JAMES H. BUCKLEY NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 4/17/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY BPB & TT	DATE 08/01/07
		DRAWN BY BPB & TT	DATE 08/01/07
		CHECKED BY JB	DATE 08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
STORM DRAIN PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-54

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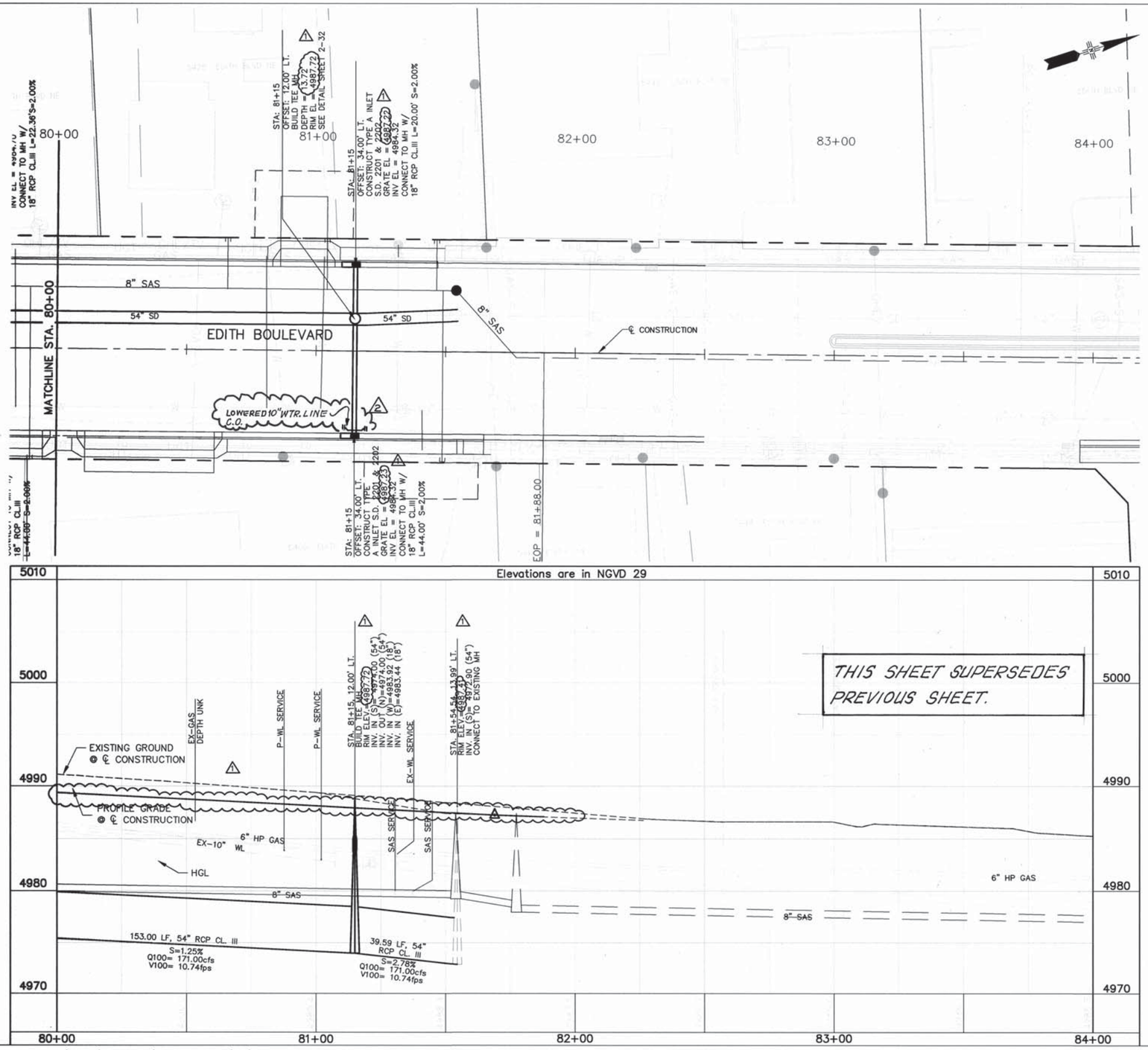


GRAPHIC SCALE

20 0 10 20 40

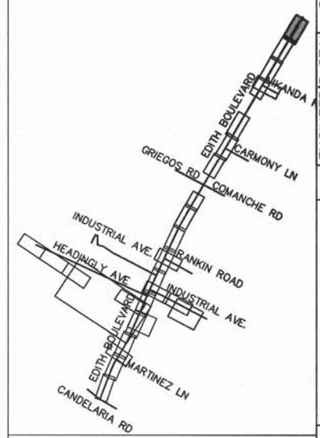
(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER OR FROM MH CENTER TO INSIDE EDGE OF INLET ALONG THE HORIZONTAL

2. GRATE ELEVATIONS ARE GIVEN AT THE NORMAL CURB ℄.

RECORD DRAWING



PB Parsons Brinckerhoff

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE. centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION

CONTRACTOR	A.S. HORNER
WORK STARTED BY	SNYDER MILLER 7/16 DATE
WORK COMPLETED BY	8/6 PWD 1/09 DATE
INSPECTOR'S FIELD CHANGES BY	8/6 PWD 1/09 DATE
OBSERVATIONS BY	P.B. 5/09 DATE
CORRECTED BY	MICRO-FILM INFORMATION
RECORDED BY	DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13082 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	04/09	LOWERED 10" WTR. LINE	YRV
2	5/16/08	ROADWAY REVISED	JHB

DESIGN

DESIGNED BY	BPB & TT	DATE	08/01/07
DRAWN BY	BPB & TT	DATE	08/01/07
CHECKED BY	JB	DATE	08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
STORM DRAIN PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-54R

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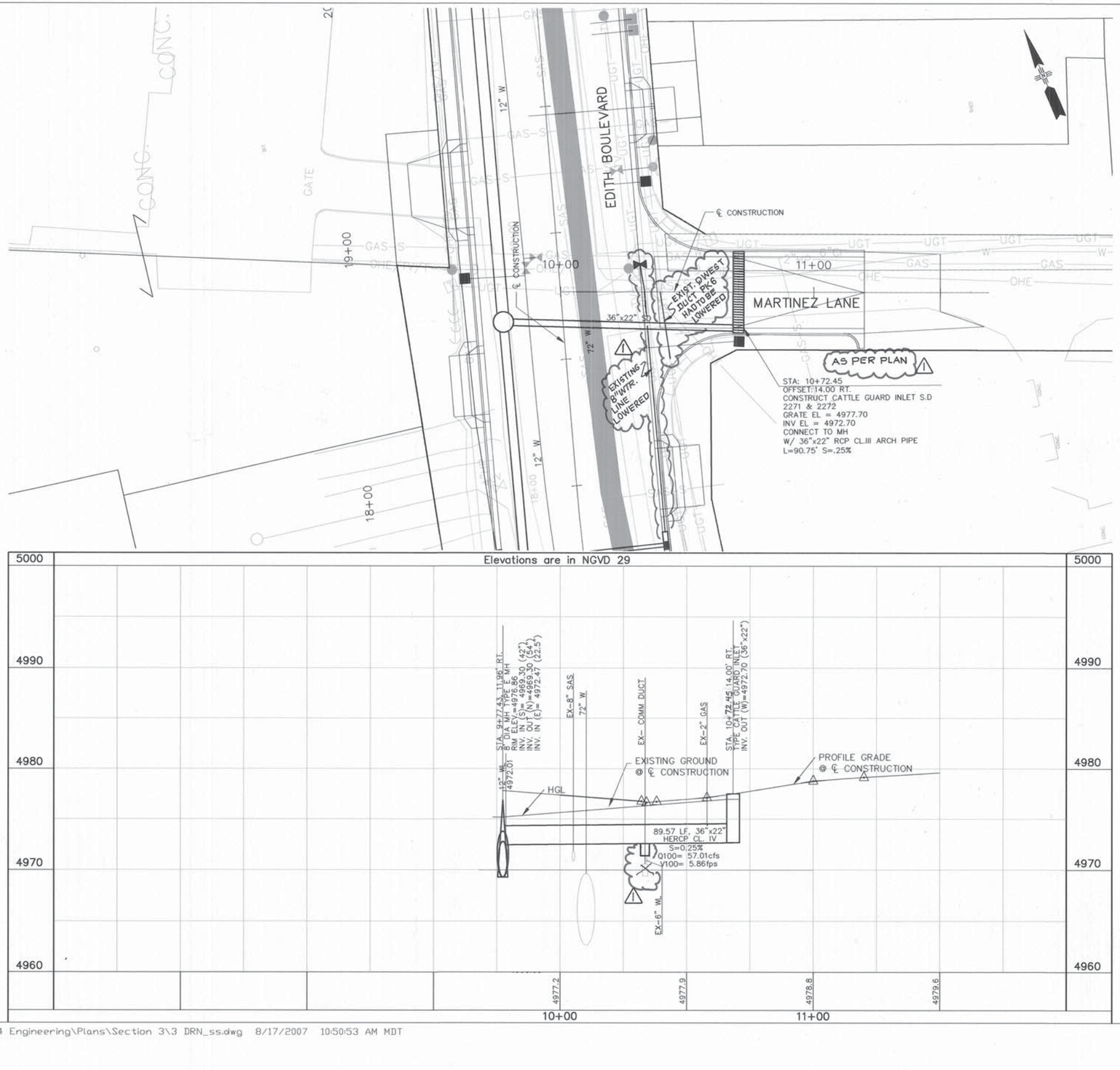


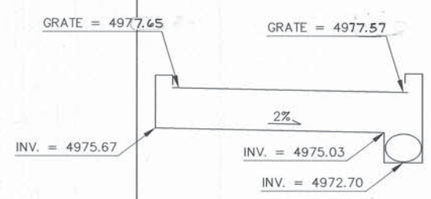
GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

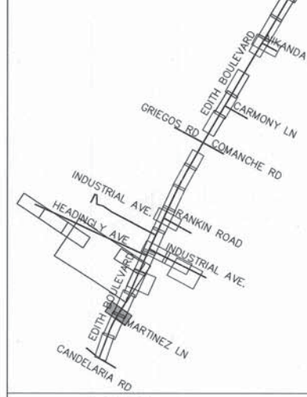
1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER OR FROM MH CENTER TO INSIDE EDGE OF INLET ALONG THE HORIZONTAL

2. GRATE ELEVATIONS ARE GIVEN AT THE NORMAL CURB ℄.



CATTLEGUARD INLET DETAIL

RECORD DRAWING



PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SOUDER MILLER 3/09 DATE
INSPECTION BY BCPWD 1/09 DATE
FIELD AS-BUILT BY BCPWD 4/09 DATE
VERIFICATION BY
CORRECTED BY P.B. 8/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet. ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on sold drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCHMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	04/09	QWEST DUCT & WTR. LINE LOWERED	VRV

DESIGN
DESIGNED BY BPB & TT DATE 08/01/07
DRAWN BY BPB & TT DATE 08/01/07
CHECKED BY JB DATE 08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

MARTINEZ LANE STORM DRAIN PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-55

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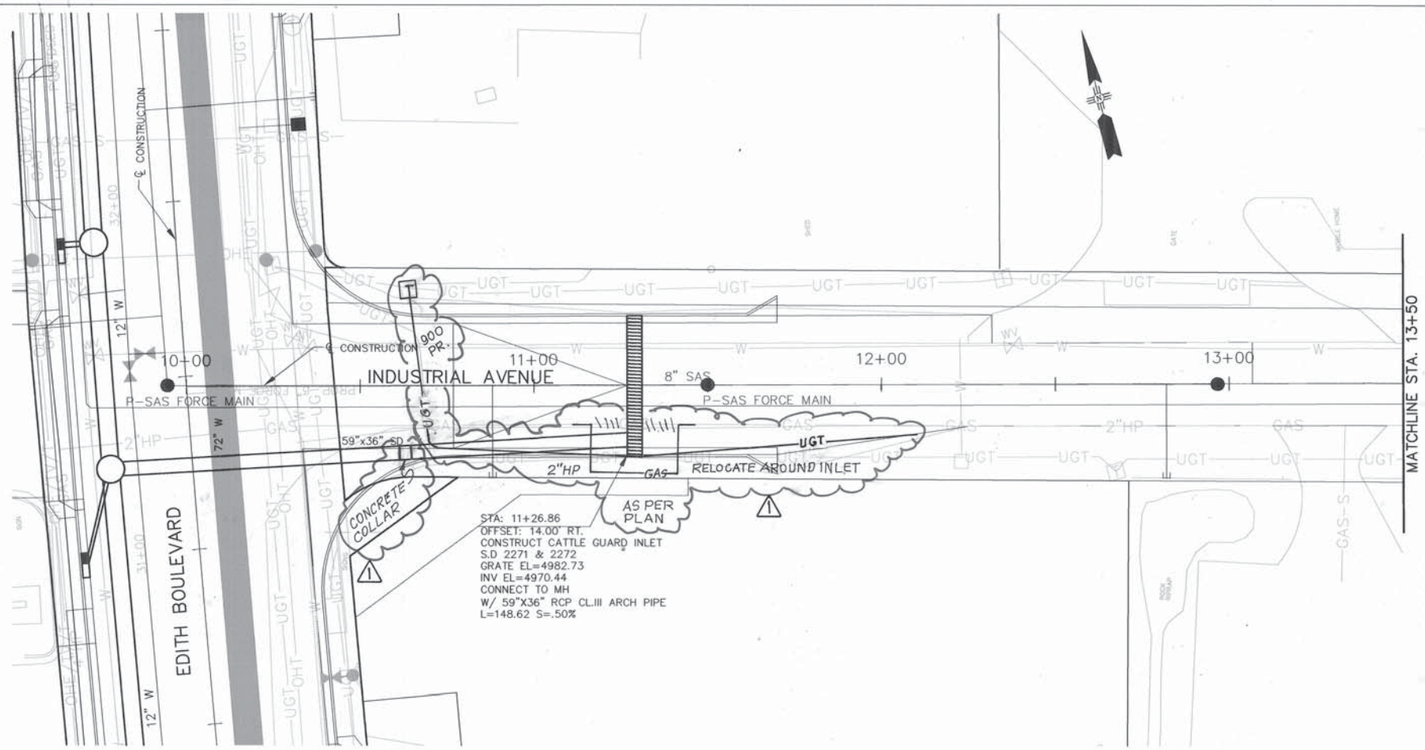
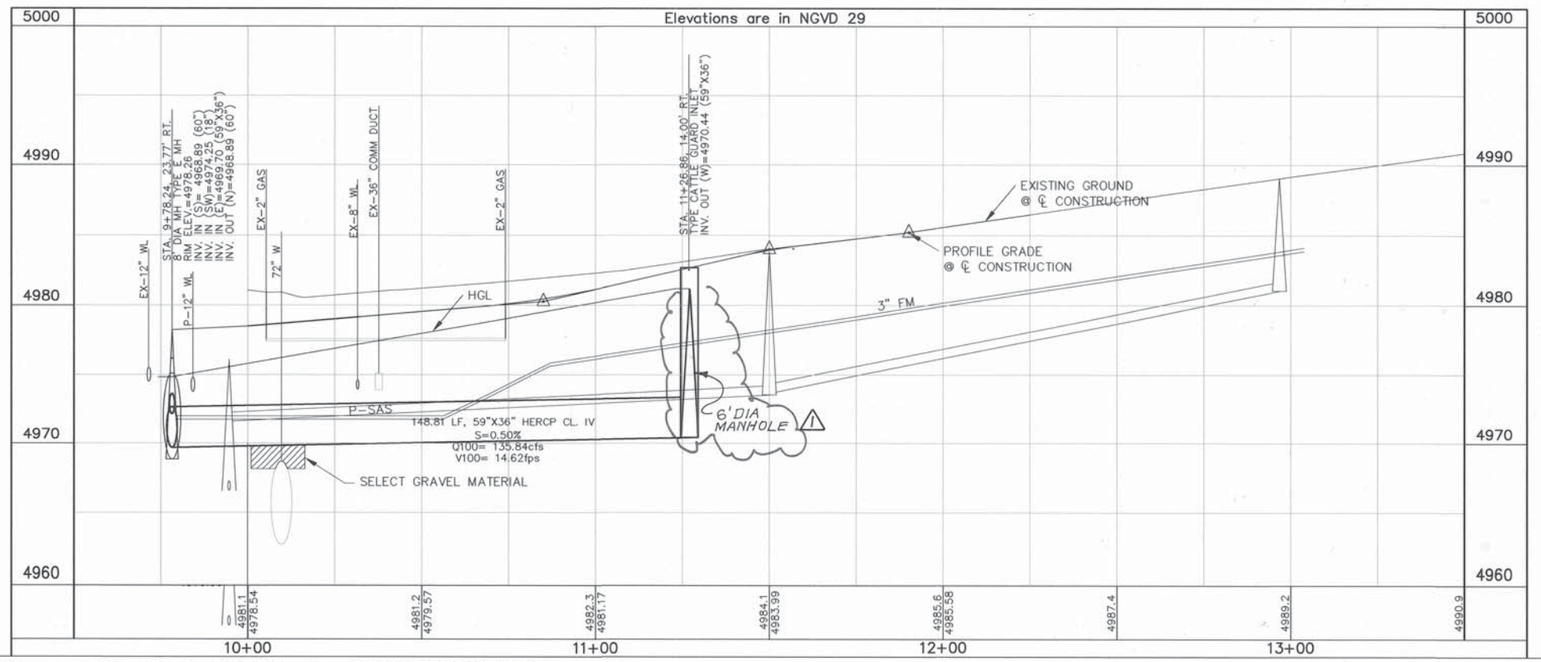




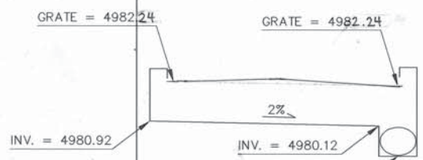
GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

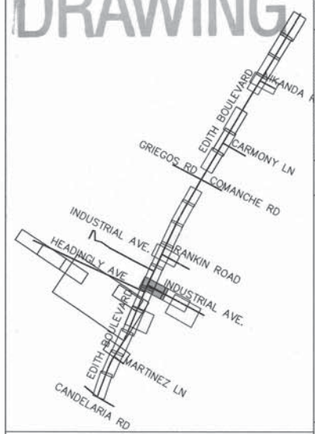
1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER OR FROM MH CENTER TO INSIDE EDGE OF INLET ALONG THE HORIZONTAL

2. GRATE ELEVATIONS ARE GIVEN AT THE NORMAL CURB ℄.



CATTLEGUARD INLET DETAIL

RECORD DRAWING



PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNIDER MILLER 7/08 DATE
INSPECTORS PAVING BY B&PWD 4/09 DATE
FIELD VARIATION BY B&PWD 4/09 DATE
CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
JAMES H. BUCHMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
9/17/07

NO.	DATE	REMARKS	BY
1	04/09	RELOCATED UGT, ADDED MH.	VRV

DESIGN

DESIGNED BY	BPB & TT	DATE	08/01/07
DRAWN BY	BPB & TT	DATE	08/01/07
CHECKED BY	JB	DATE	08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
INDUSTRIAL AVE STORM DRAIN PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV. 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-56

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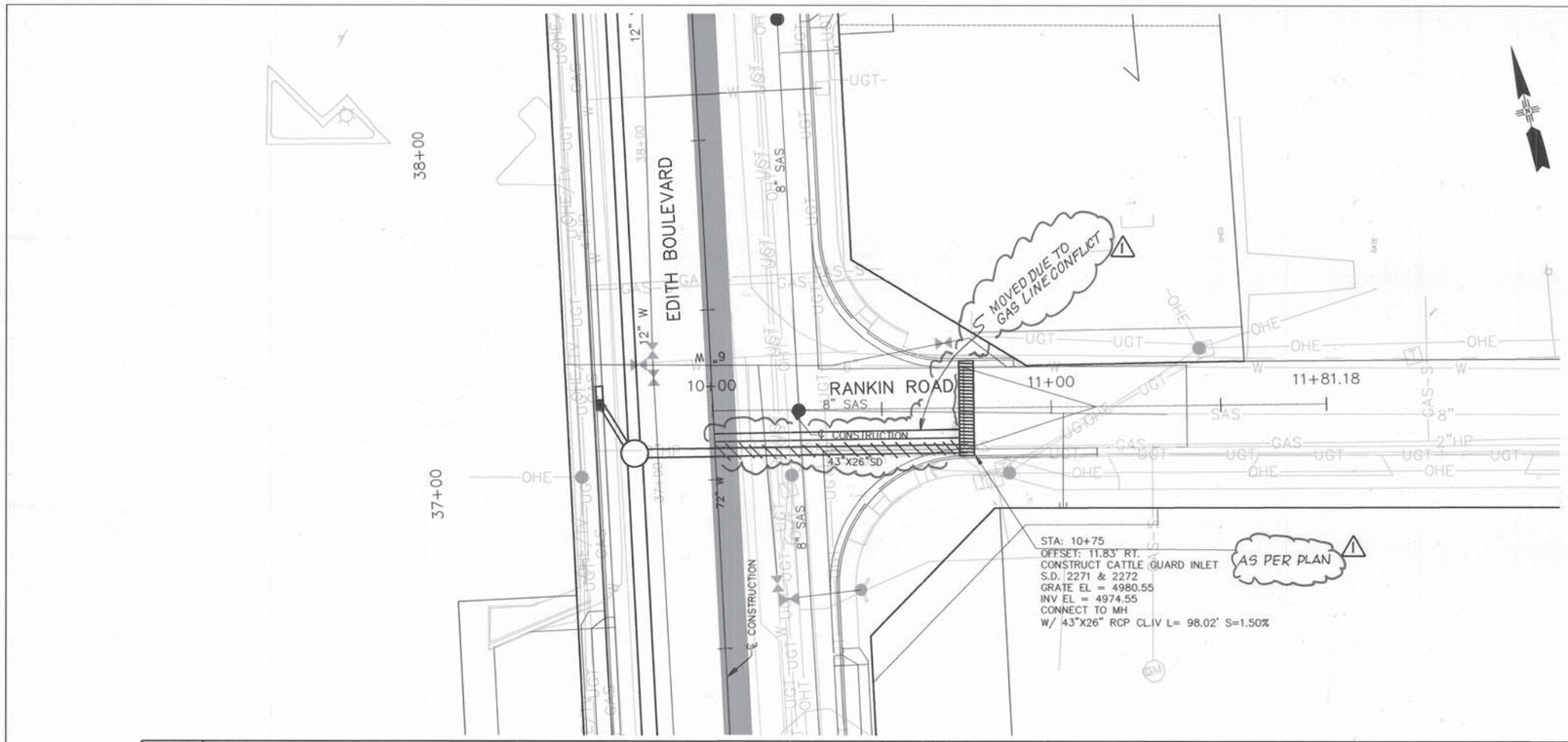
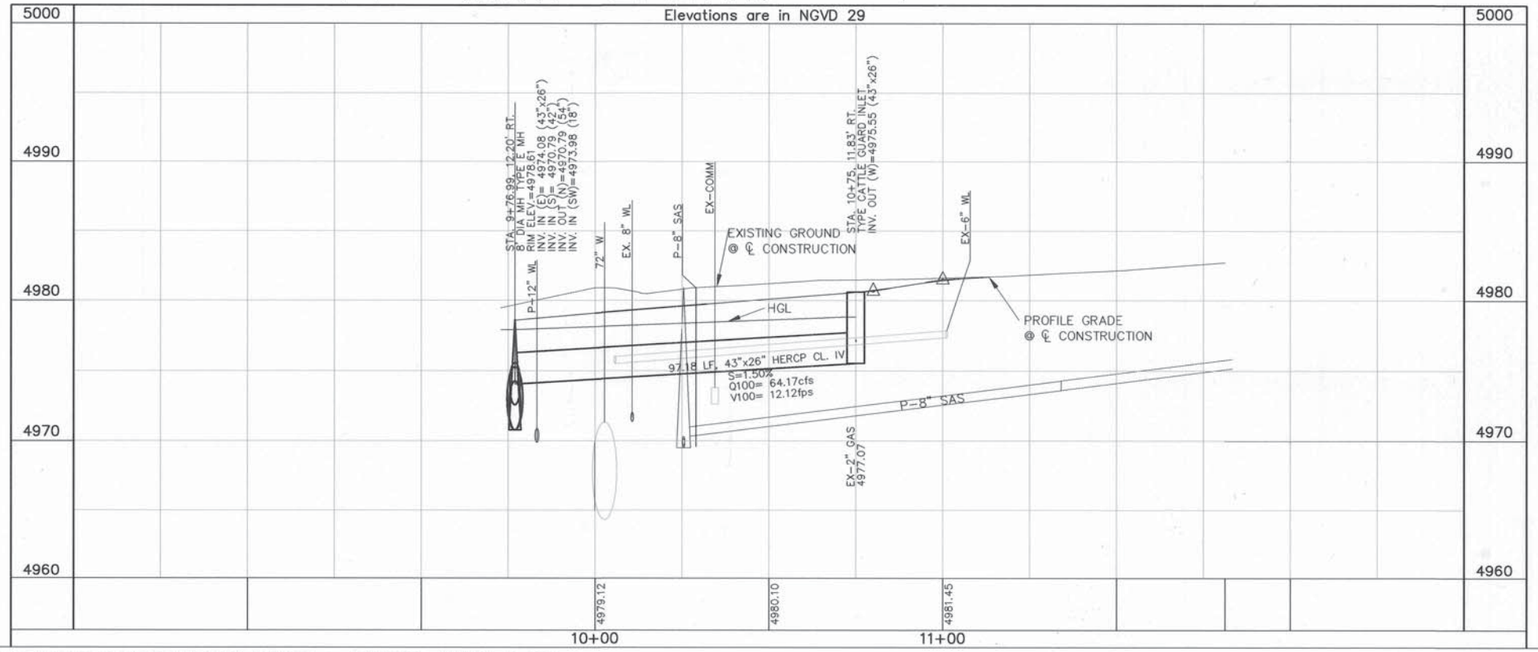




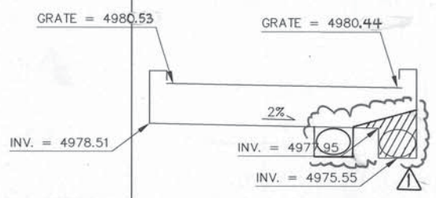
GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

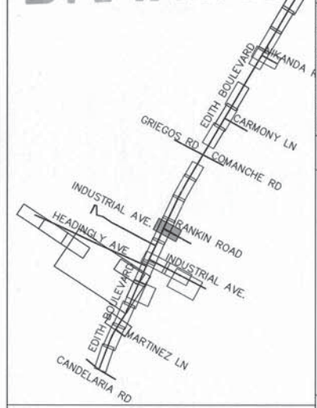
1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER OR FROM MH CENTER TO INSIDE EDGE OF INLET ALONG THE HORIZONTAL.

2. GRATE ELEVATIONS ARE GIVEN AT THE NORMAL CURB ℄.



CATTLEGUARD INLET DETAIL

RECORD DRAWING



Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNYDER MILLER 1/09 DATE
INSPECTOR'S CHANGES BY BVPWD 3/09 DATE
FIELD VERIFICATION BY BVPWD 3/09 DATE
WORK CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet. ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
JAMES H. BACHMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
9/11/07

NO.	DATE	REMARKS	BY
1	04/09	MOVED GAS LINE	VKV

DESIGN
DESIGNED BY BPB & TT DATE 08/01/07
DRAWN BY BPB & TT DATE 08/01/07
CHECKED BY JB DATE 08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
RANKIN AVE STORM DRAIN PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-57

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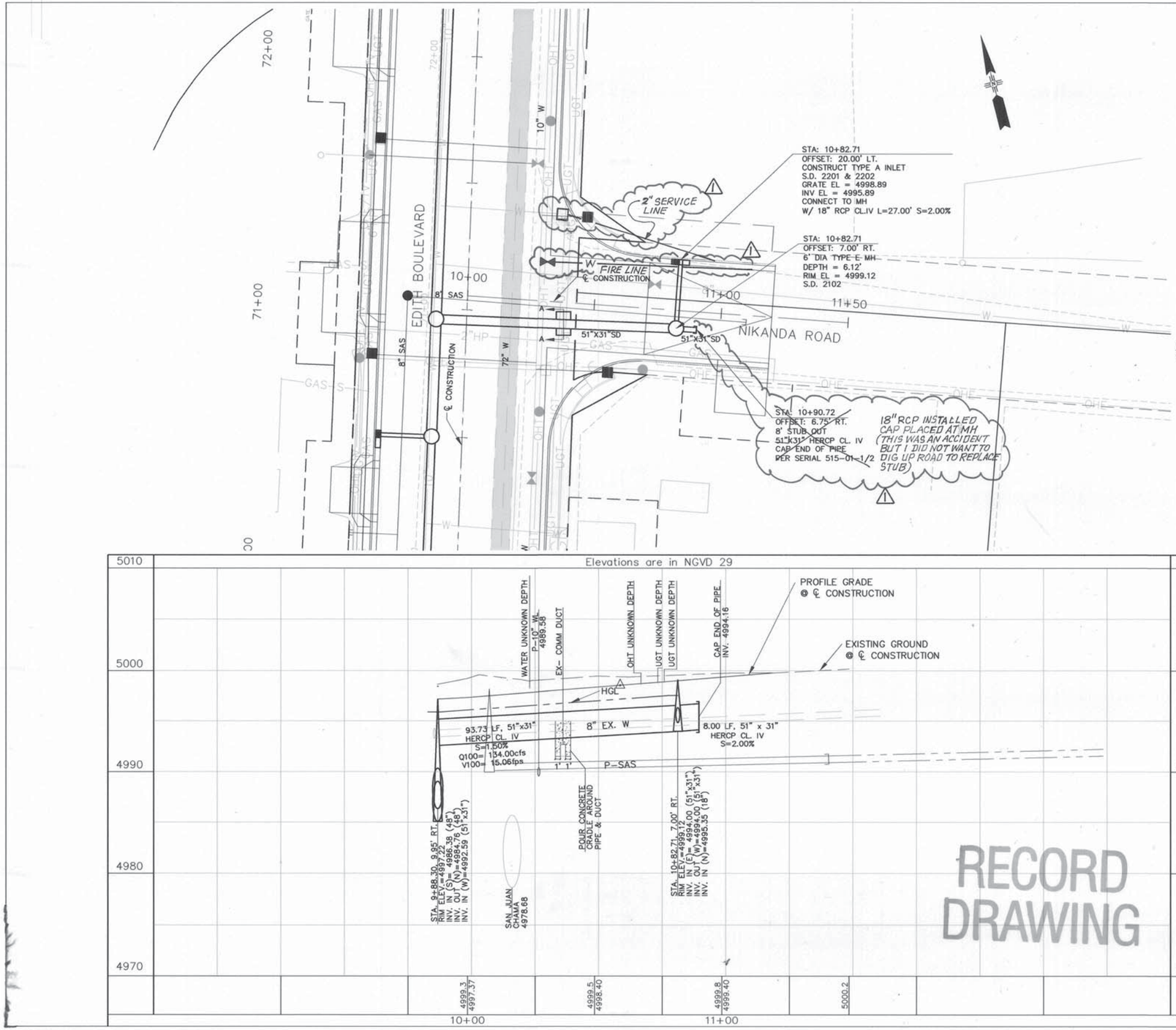
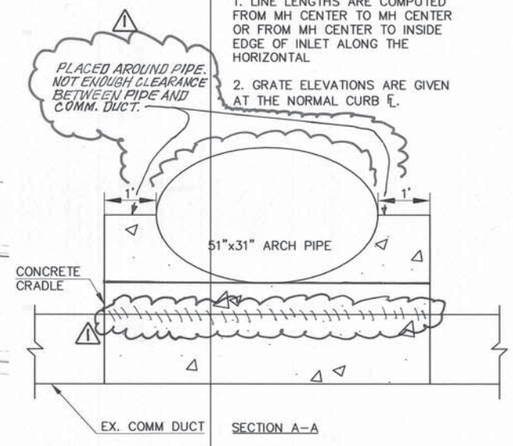




SECTION A-A

GRAPHIC SCALE

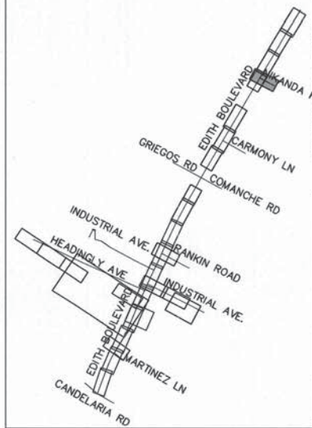
(IN FEET)
1 inch = 20 ft.

HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER OR FROM MH CENTER TO INSIDE EDGE OF INLET ALONG THE HORIZONTAL

2. GRATE ELEVATIONS ARE GIVEN AT THE NORMAL CURB ℄.



AS BUILT INFORMATION
CONTRACTOR A.S HORNER
WORK STAKED BY SNYDER MILLER 3/06 DATE
INSPECTOR'S ACCEPTANCE BY BCPWD 1/09 DATE
VERIFICATION BY BCPWD 5/09 DATE
CORRECTED BY P.B. DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet. ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
JAMES H. BUCHMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
4/1/07

NO.	DATE	REMARKS	BY
1	04/09	REVISED SERIAL# WATERLINE & CONC. CRADLE	VRV

DESIGN

DESIGNED BY	BPB & TT	DATE	08/01/07
DRAWN BY	BPB & TT	DATE	08/01/07
CHECKED BY	JB	DATE	08/01/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
NIKANDA ROAD STORM DRAIN PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-58

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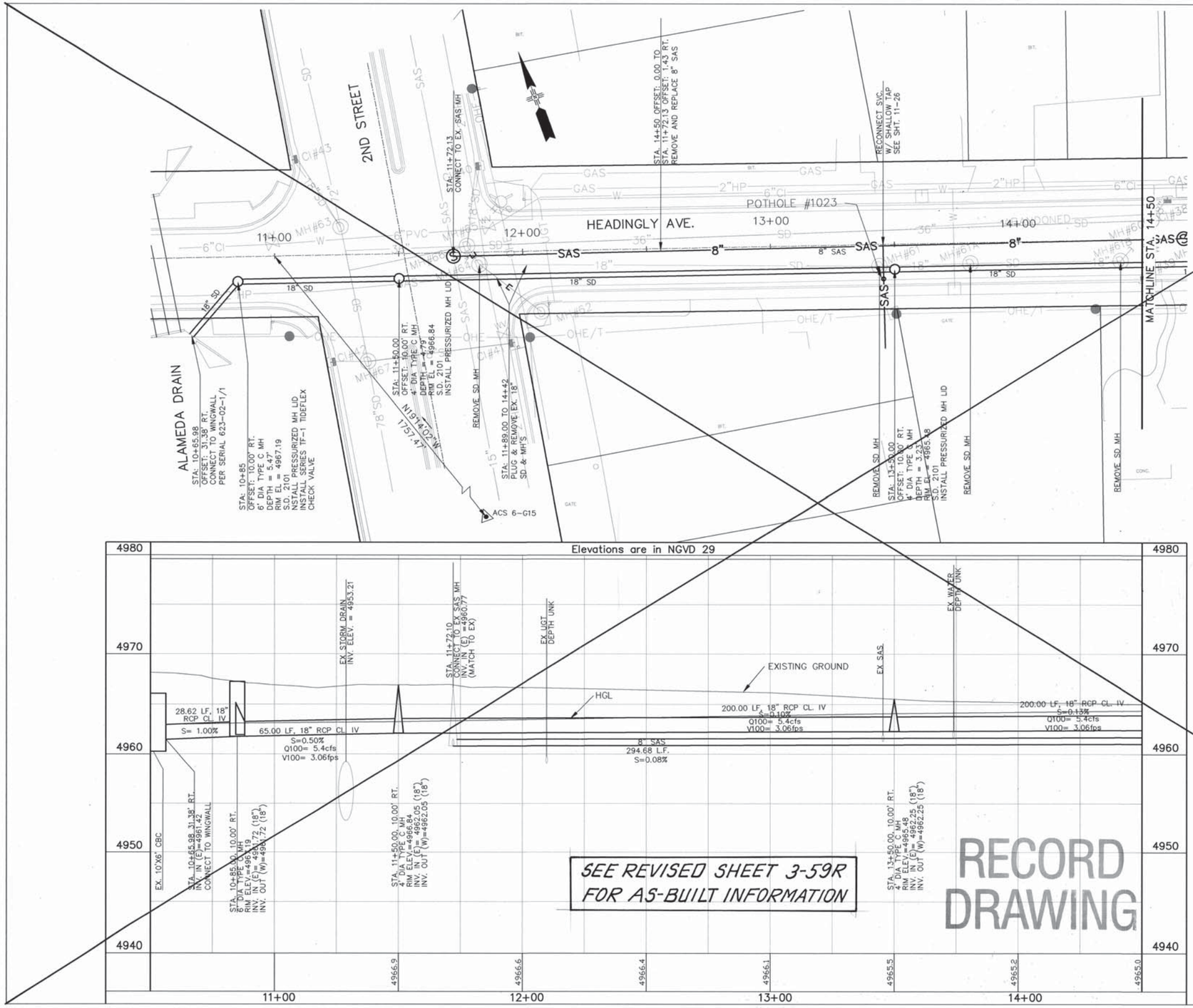


GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER OR FROM MH CENTER TO INSIDE EDGE OF INLET ALONG THE HORIZONTAL.

2. GRATE ELEVATIONS ARE GIVEN AT THE NORMAL CURB ℄.

3. ALL STORM DRAIN MH LIDS ON HEADINGLY SHALL BE NEENAH R-1915-S1 OR EQUAL. MH LID IS INCIDENTAL TO MH

4. NOT ALL EXISTING UTILITY SERVICES MAY BE SHOWN. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL POTHOLE TO IDENTIFY CONFLICTS WITH NEW STORM DRAIN.

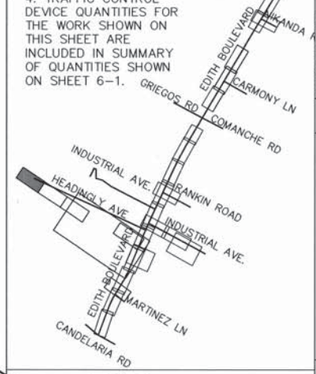
TRAFFIC CONTROL NOTES

1. STORM DRAIN CROSSING 2ND ST. SHALL BE BUILT USING TYPICAL TRAFFIC CONTROL SET UP SHOWN ON SHT. 6-8, "TYPICAL TRAFFIC SPLIT - RAISED MEDIAN."

2. STORM DRAIN TRENCH ON HEADINGLY SHALL BE COVERED AT NIGHT TIME.

3. CONTRACTOR SHALL USE A FLAGGER ON HEADINGLY WHEN ONLY ONE LANE OF PAVEMENT IS AVAILABLE FOR TRAFFIC. THIS SHALL BE CONSIDERED INCIDENTAL TO ITEM NO. 618000, TRAFFIC CONTROL MANAGEMENT.

4. TRAFFIC CONTROL DEVICE QUANTITIES FOR THE WORK SHOWN ON THIS SHEET ARE INCLUDED IN SUMMARY OF QUANTITIES SHOWN ON SHEET 6-1.



PB Parsons Brinckerhoff

NO.	DATE	REMARKS	DESIGN	DATE	BY
		DESIGNED BY	BPB & TT	08/01/07	
		DRAWN BY	BPB & TT	08/01/07	
		CHECKED BY	JB	08/01/07	

AS BUILT INFORMATION

BENCH MARKS	CONTRACTOR	DATE
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drip inlet. ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drip inlet. NGVD 29 Elev. = 4984.00'	WORK STAKED BY	
	INSPECTOR'S INITIALS	DATE
	FIELD VERIFICATION BY	DATE
	AS-BUILTS BY	DATE
	CORRECTED BY	DATE
	MICRO-FILM INFORMATION	
	RECORDED BY	DATE
	NO.	

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BACHMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
8/17/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

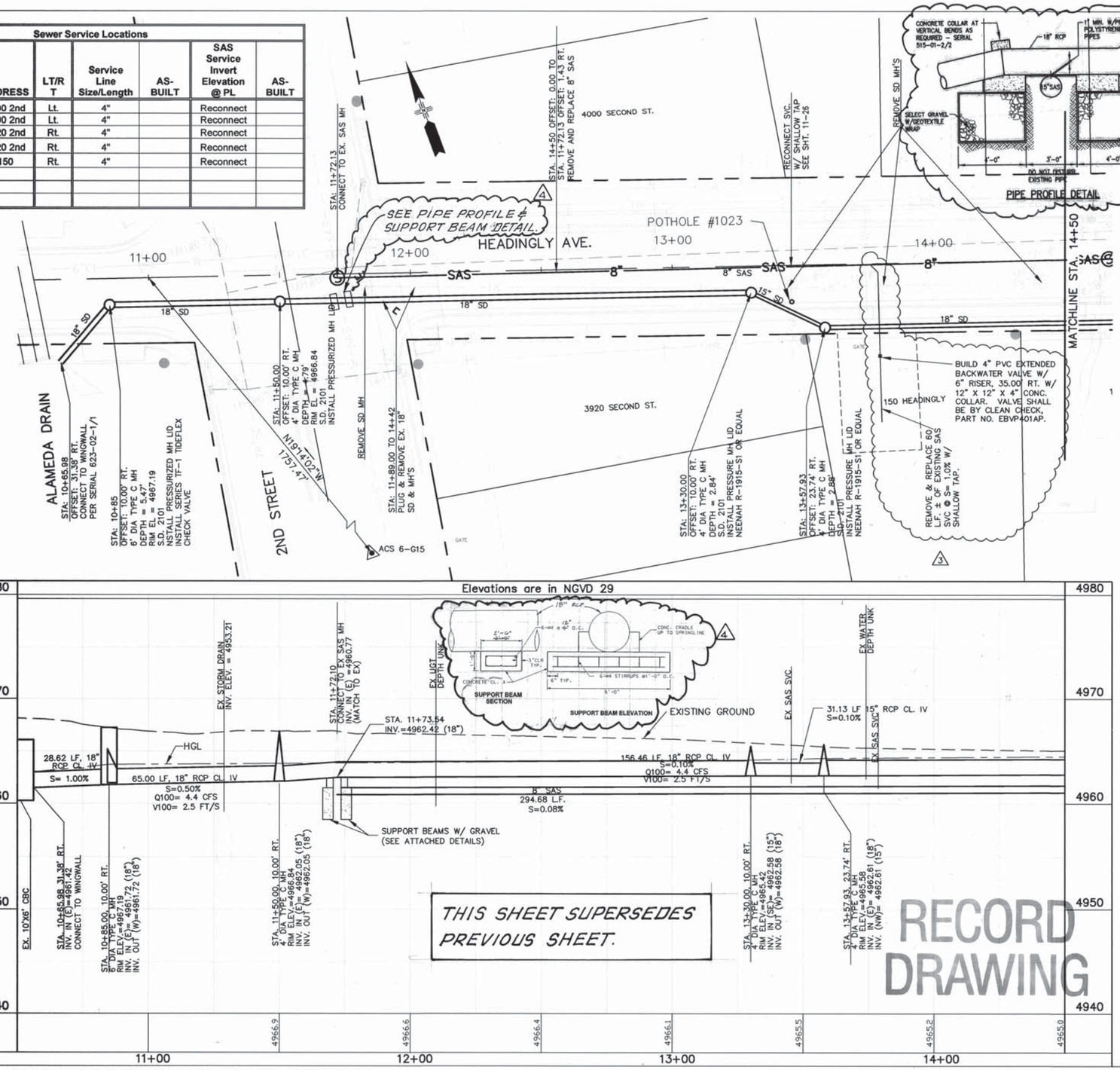
EDITH BLVD. RECONSTRUCTION
HEADINGLY STORM DRAIN & SANITARY SEWER

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-59

G:\33588_Edith\04 Engineering\Plans\Section 3\3 DRN_ss.dwg 8/17/2007 10:50:53 AM MDT

Sewer Service Locations							
STATION		ADDRESS	LT/RT	Service Line Size/Length	AS-BUILT	SAS Service Invert Elevation @ PL	AS-BUILT
		4000 2nd	Lt.	4"		Reconnect	
		4000 2nd	Lt.	4"		Reconnect	
		3920 2nd	Rt.	4"		Reconnect	
		3920 2nd	Rt.	4"		Reconnect	
		150	Rt.	4"		Reconnect	



GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER OR FROM MH CENTER TO INSIDE EDGE OF INLET ALONG THE HORIZONTAL

2. GRATE ELEVATIONS ARE GIVEN AT THE NORMAL CURB ℄.

3. ALL STORM DRAIN MH LIDS ON HEADINGLY SHALL BE NEENAH R-1915-S1 OR EQUAL. MH LID IS INCIDENTAL TO MH

4. NOT ALL EXISTING UTILITY SERVICES MAY BE SHOWN. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL POTHOLE TO IDENTIFY CONFLICTS WITH NEW STORM DRAIN.

TRAFFIC CONTROL NOTES

1. STORM DRAIN CROSSING 2ND ST. SHALL BE BUILT USING TYPICAL TRAFFIC CONTROL SET UP SHOWN ON SHT. 6-8, "TYPICAL TRAFFIC SPLIT – RAISED MEDIAN."

2. STORM DRAIN TRENCH ON HEADINGLY SHALL BE COVERED AT NIGHT TIME.

3. CONTRACTOR SHALL USE A FLAGGER ON HEADINGLY WHEN ONLY ONE LANE OF PAVEMENT IS AVAILABLE FOR TRAFFIC. THIS SHALL BE CONSIDERED INCIDENTAL TO ITEM NO. 618000, TRAFFIC CONTROL MANAGEMENT.

4. TRAFFIC CONTROL DEVICE QUANTITIES FOR THE WORK SHOWN ON THIS SHEET ARE INCLUDED IN SUMMARY OF QUANTITIES SHOWN ON SHEET 6-1.

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STARTED BY SNIDER MILLER 7/08 DATE
ACCEPTANCE BY B.C.P.W.D. 1/09 DATE
VERIFICATION BY B.C.P.W.D. 5/09 DATE
DRAWINGS COMPILED BY P.B. DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", spoiled to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

VRV ENGINEER'S SEAL

ADDED NEW DETAILS

NO.	DATE	REMARKS	BY
4	6/09		
3	6/08	REVISED SAS SVC @150	JB
2	5/08	S.D. REVISED	JB
1	5/08	S.D. PROFILE RAISED	JB

DESIGN		
DESIGNED BY	BPB & TT	DATE 08/01/07
DRAWN BY	BPB & TT	DATE 08/01/07
CHECKED BY	JB	DATE 08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
HEADINGLY STORM DRAIN & SANITARY SEWER

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL		MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
785181	G-14	3-59 R

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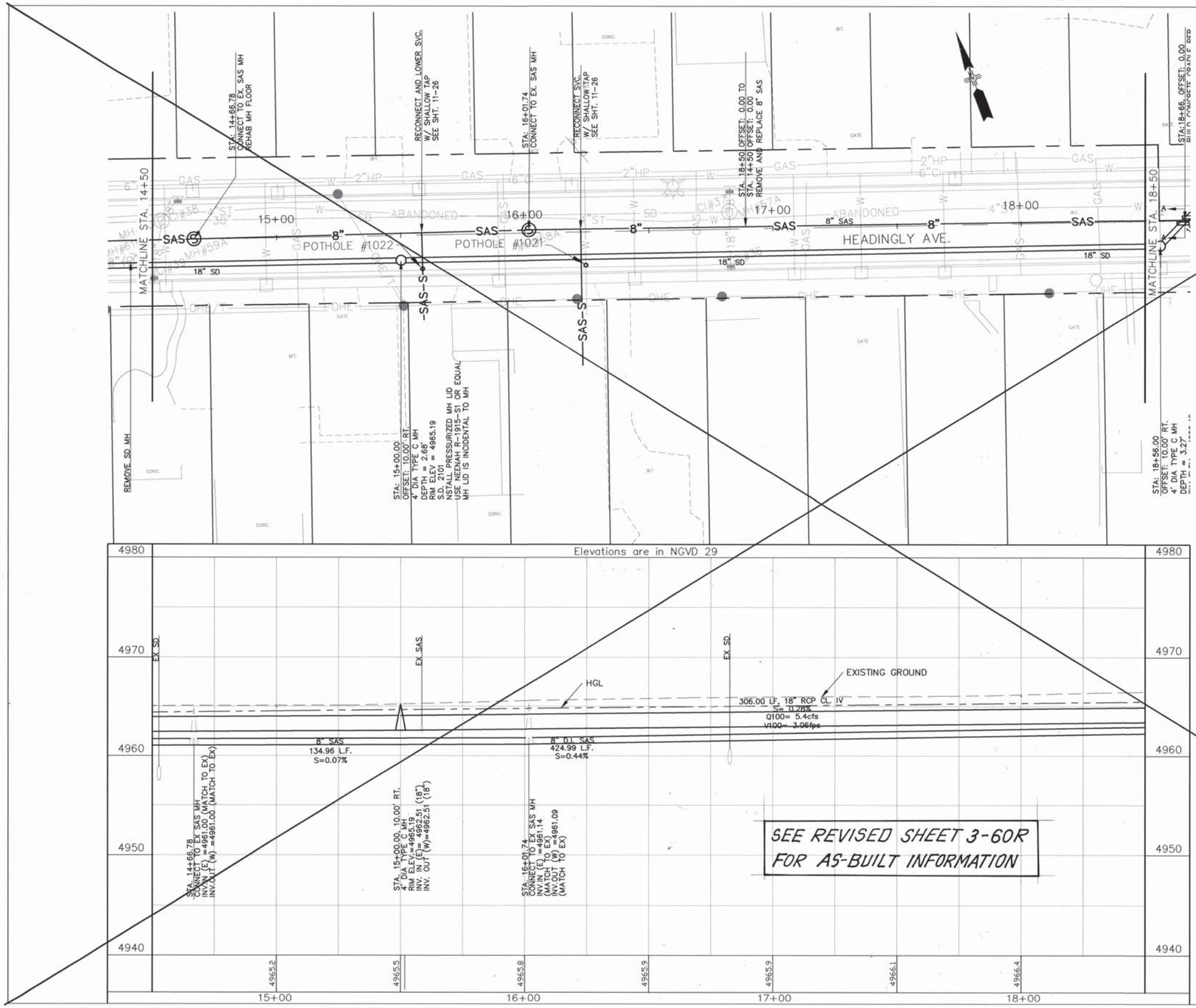


GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

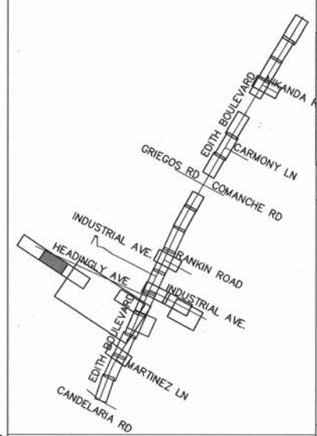
1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER OR FROM MH CENTER TO INSIDE EDGE OF INLET ALONG THE HORIZONTAL

2. GRATE ELEVATIONS ARE GIVEN AT THE NORMAL CURB ℄.

3. ALL STORM DRAIN MH LIDS ON HEADINGLY SHALL BE NEENAH R-1915-S1 OR EQUAL. MH LID IS INCIDENTAL TO MH

4. NOT ALL EXISTING UTILITY SERVICES MAY BE SHOWN. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL POTHOLE TO IDENTIFY CONFLICTS WITH NEW STORM DRAIN.

RECORD DRAWING



PB Parsons Brinckerhoff

AS BUILT INFORMATION

CONTRACTOR
WORK STARTED BY — DATE
INSPECTOR'S INITIALS — DATE
FIELD CHANGES BY — DATE
FIELD VERIFICATION BY — DATE
DRAWING CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

NO.	BY	DATE	FIELD NOTES

ENGINEER'S SEAL

JAMES H. BUCHANAN — NEW MEXICO — 13062 — REGISTERED PROFESSIONAL ENGINEER — 11/7/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY — BPB & TT — DATE	08/01/07
		DRAWN BY — BPB & TT — DATE	08/01/07
		CHECKED BY — JB — DATE	08/01/07

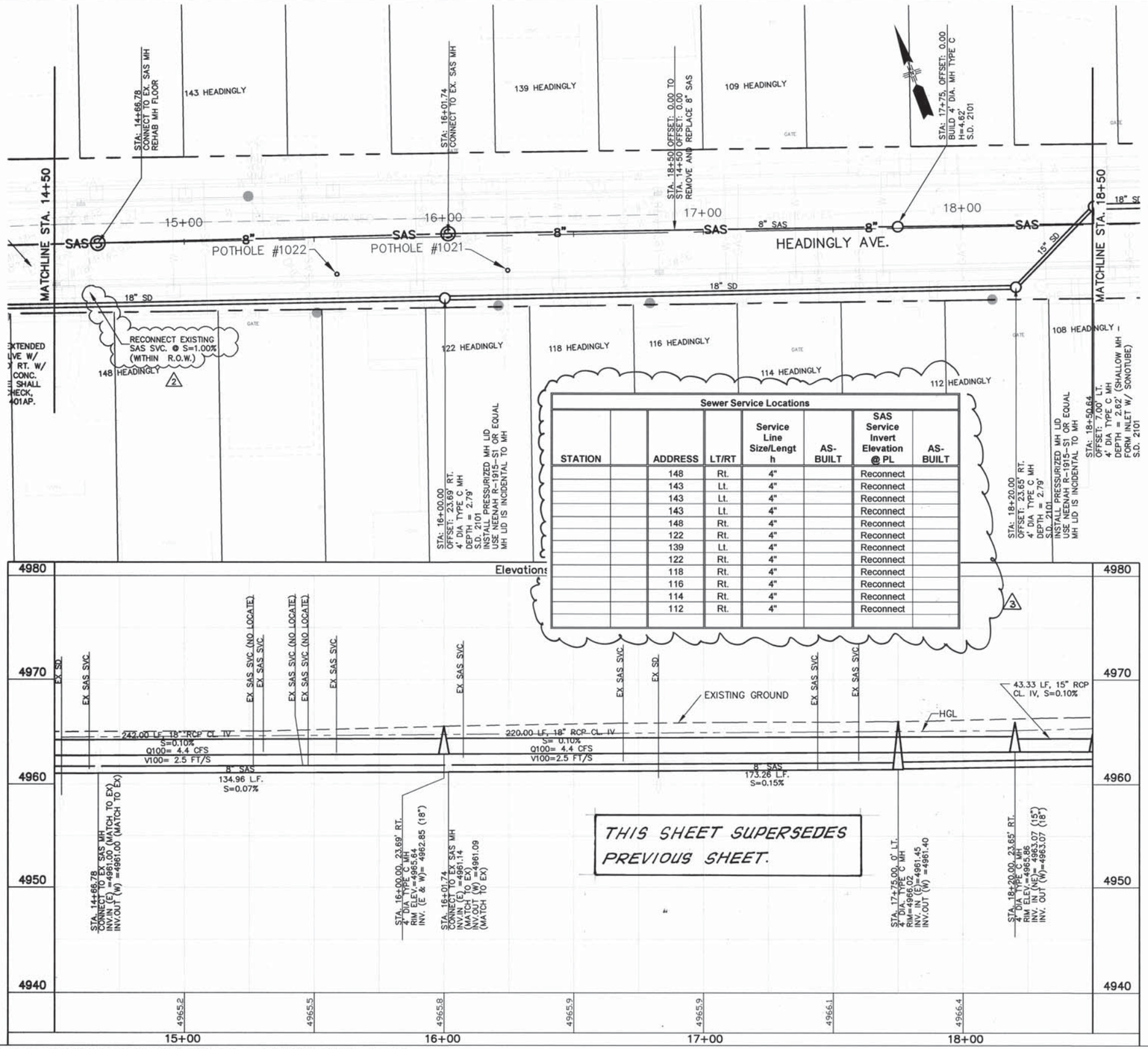
COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
HEADINGLY STORM DRAIN & SANITARY SEWER

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-60

G:\33588_Edith\04 Engineering\Plans\Section 3\3 DRN_ss.dwg 8/7/2007 8:49:14 AM MDT



THIS SHEET SUPERSEDES PREVIOUS SHEET.

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

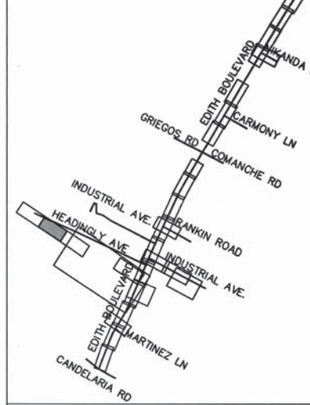
1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER OR FROM MH CENTER TO INSIDE EDGE OF INLET ALONG THE HORIZONTAL

2. GRATE ELEVATIONS ARE GIVEN AT THE NORMAL CURB ℄.

3. ALL STORM DRAIN MH LIDS ON HEADINGLY SHALL BE NEENAH R-1915-S1 OR EQUAL. MH LID IS INCIDENTAL TO MH

4. NOT ALL EXISTING UTILITY SERVICES MAY BE SHOWN. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL POTHOLE TO IDENTIFY CONFLICTS WITH NEW STORM DRAIN.

RECORD DRAWING



PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STARTED BY SOUDER MILLER 3/09 DATE
INSPECTOR'S SIGNATURE & BCPWD 3/09 DATE
FIELD VERIFICATION BY BCPWD 3/09 DATE
CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE. centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

ADDED SEWER SERVICE LOCATION TABLE JB 08/01/07
6/08 REVISED SAS SVC @148 JB 08/01/07
5/08 STORM DRAIN & SAS REVISED JB 08/01/07
NO. DATE REMARKS BY

DESIGN
DESIGNED BY BPB & TT DATE 08/01/07
DRAWN BY BPB & TT DATE 08/01/07
CHECKED BY JB DATE 08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
HEADINGLY STORM DRAIN & SANITARY SEWER

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No. 785181 | Zone Map No. G-14 | Sheet 3-60 R

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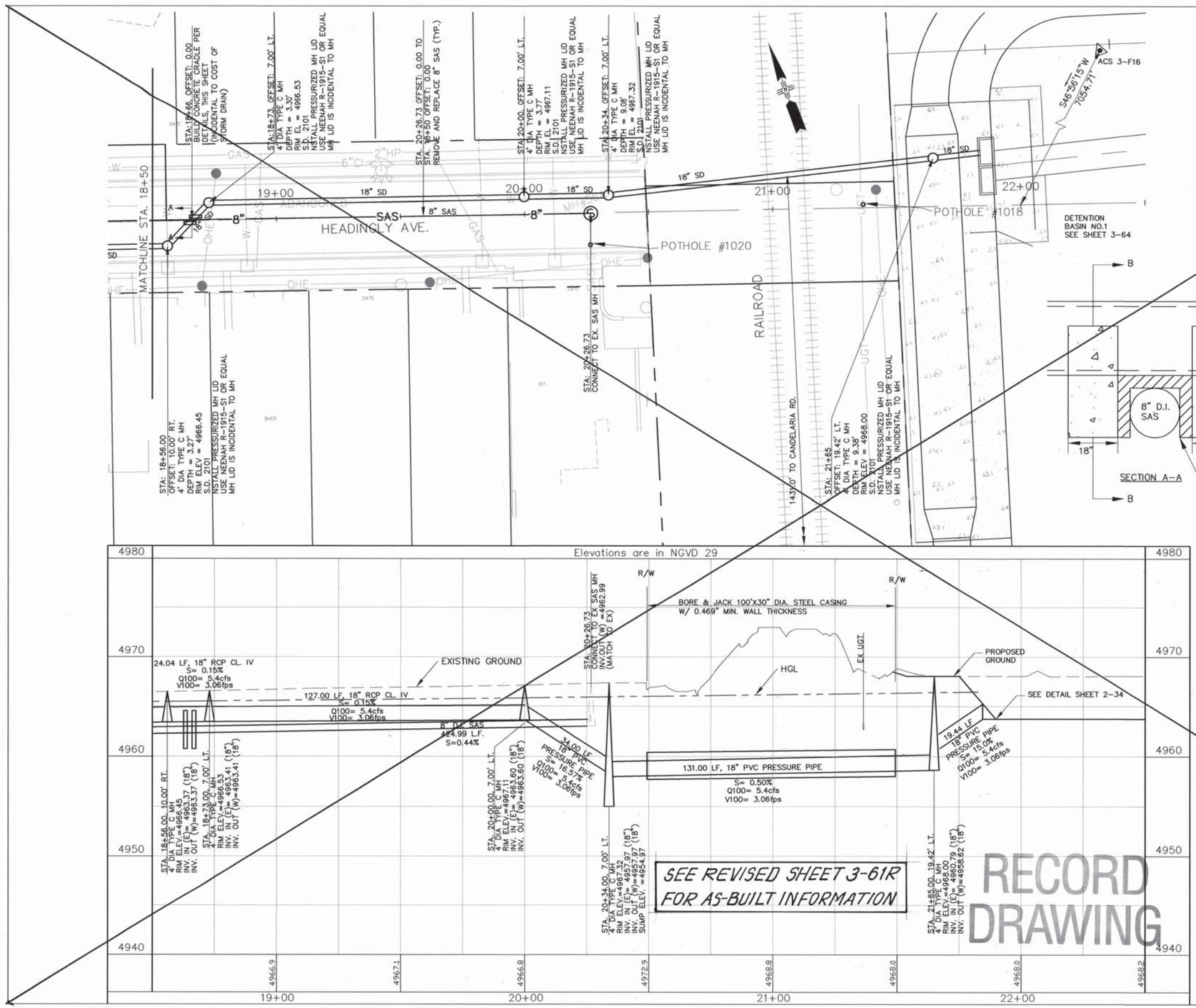


GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER OR FROM MH CENTER TO INSIDE EDGE OF INLET ALONG THE HORIZONTAL.
2. GRATE ELEVATIONS ARE GIVEN AT THE NORMAL CURB ℄.
3. ALL STORM DRAIN MH LIDS ON HEADINGLY SHALL BE NEENAH R-1915-S1 OR EQUAL. MH LID IS INCIDENTAL TO MH
4. NOT ALL EXISTING UTILITY SERVICES MAY BE SHOWN. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL POTHOLE TO IDENTIFY CONFLICTS WITH NEW STORM DRAIN.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION

CONTRACTOR	DATE
WORK STARTED BY	
INSPECTOR'S NAME/INITIALS	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE
RECORDED BY	DATE

MICRO-FILM INFORMATION
NO.

ENGINEER'S SEAL
JAMES H. BUCKLEY NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 7/17/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY BPB & TT	08/01/07
		DRAWN BY BPB & TT	08/01/07
		CHECKED BY JB	08/01/07

PB Parsons Brinckerhoff

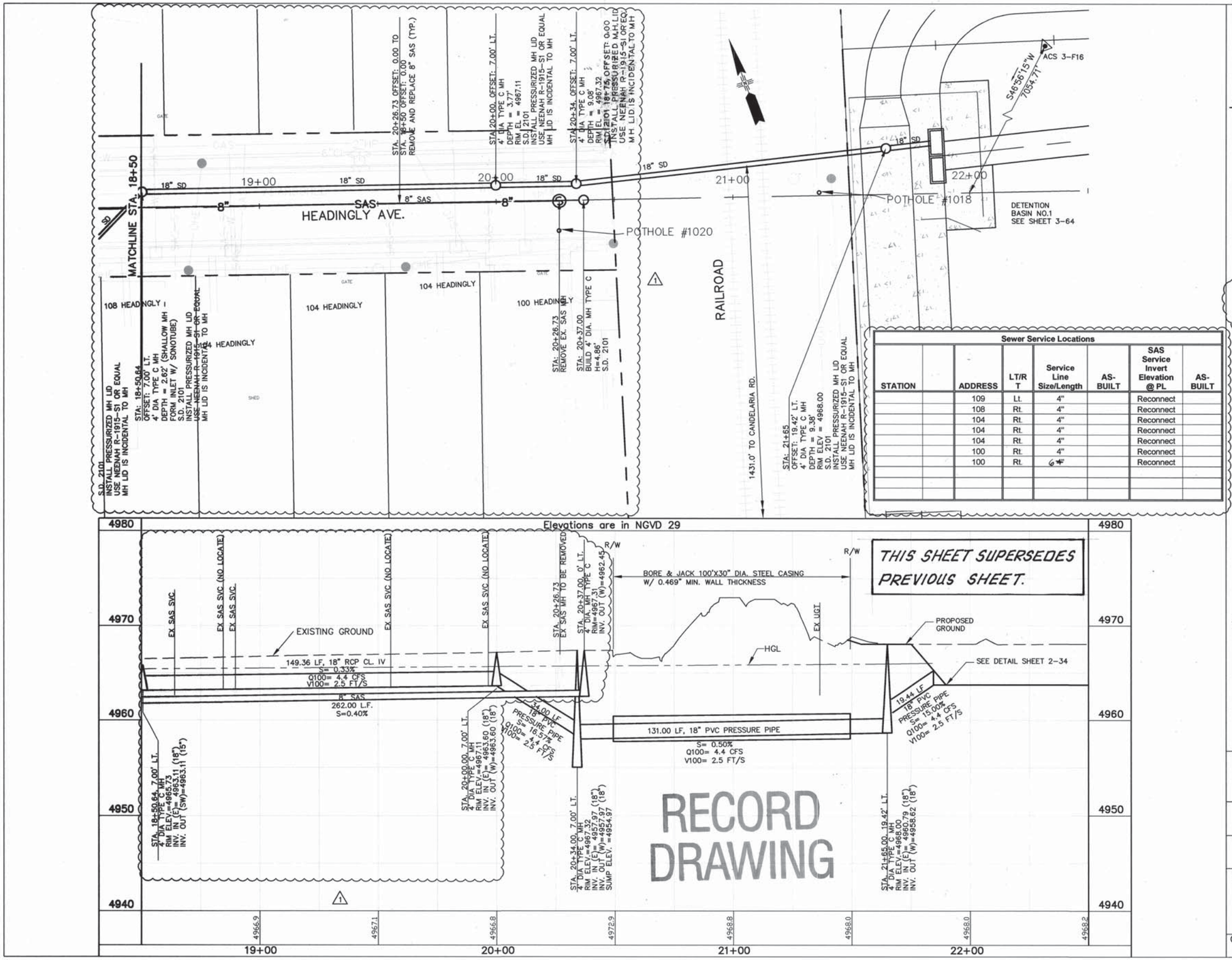
COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
HEADINGLY STORM DRAIN & SANITARY SEWER

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-61

G:\33588_Edith\04 Engineering\Plans\Section 3\3 DRN_ss.dwg 8/7/2007 8:49:14 AM MDT



Sewer Service Locations							
STATION		ADDRESS	LT/RT	Service Line Size/Length	AS-BUILT	SAS Service Invert Elevation @ PL	AS-BUILT
		109	Lt.	4"		Reconnect	
		108	Rt.	4"		Reconnect	
		104	Rt.	4"		Reconnect	
		104	Rt.	4"		Reconnect	
		104	Rt.	4"		Reconnect	
		100	Rt.	4"		Reconnect	
		100	Rt.	6"		Reconnect	

GRAPHIC SCALE

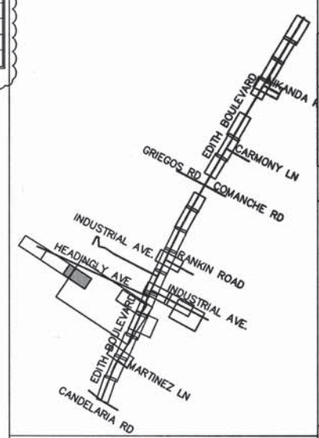
20 0 10 20 40

(IN FEET)
1 inch = 20 ft.

HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER OR FROM MH CENTER TO INSIDE EDGE OF INLET ALONG THE HORIZONTAL
2. GRATE ELEVATIONS ARE GIVEN AT THE NORMAL CURB F.
3. ALL STORM DRAIN MH LIDS ON HEADINGLY SHALL BE NEENAH R-1915-S1 OR EQUAL. MH LID IS INCIDENTAL TO MH
4. NOT ALL EXISTING UTILITY SERVICES MAY BE SHOWN. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL POTHOLE TO IDENTIFY CONFLICTS WITH NEW STORM DRAIN.
5. RECONNECT EXISTING SERVICES WITH SHALLOW TAPS PER SHT. 11-26 AS NEEDED. LOWER EXISTING SERVICES TO AVOID STORM DRAIN AS NEEDED.



SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE. centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION
CONTRACTOR A.S.: HORNER
WORK STAKED BY: SNYDER MILLER 1/08 DATE
INSPECTION BY: BAPWD 3/09 DATE
FIELD CHANGES BY: BAPWD 3/09 DATE
VERIFICATION BY: BAPWD 3/09 DATE
FIELD CHANGES CORRECTED BY: P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	5/08	STORM DRAIN & SAS REVISED	JB

DESIGN
DESIGNED BY BPB & TT DATE 08/01/07
DRAWN BY BPB & TT DATE 08/01/07
CHECKED BY JB DATE 08/01/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
HEADINGLY STORM DRAIN & SANITARY SEWER

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL		MO./DAY/YR.	MO./DAY/YR.

City Project No. 785181 | Zone Map No. G-14 | Sheet 3-61R

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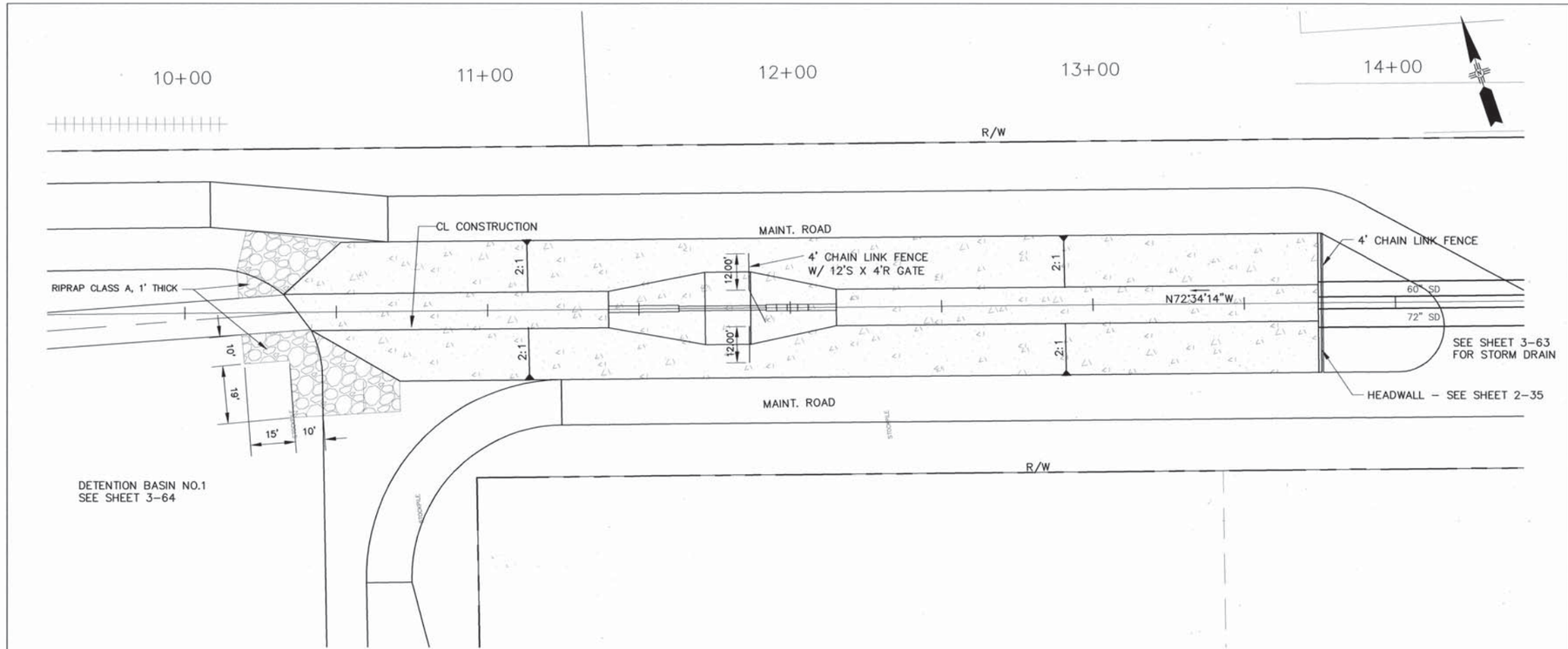
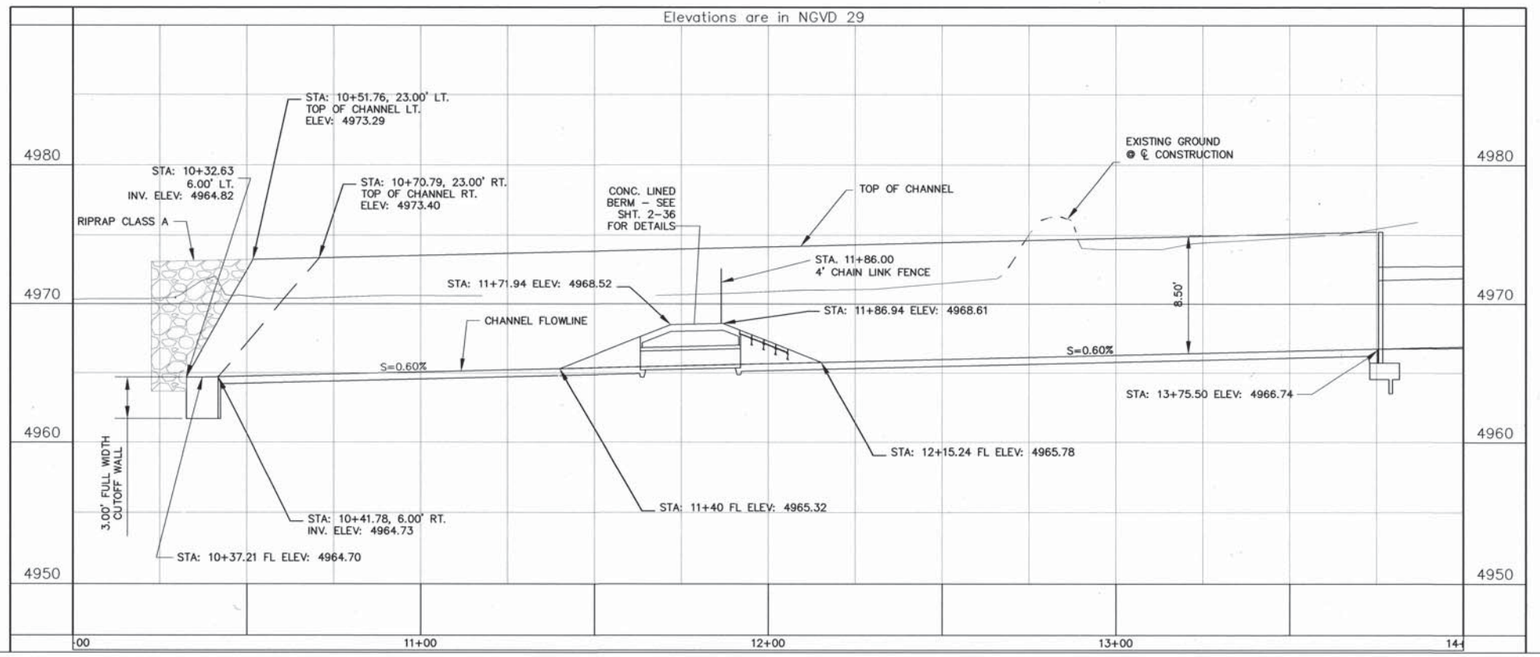




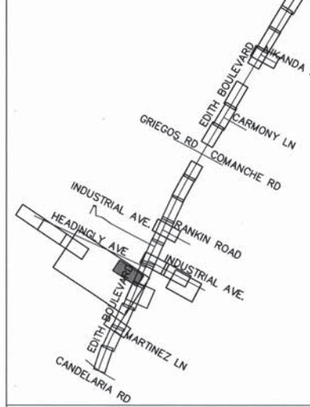
GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

SEE SHEET 2-33 FOR CHANNEL DETAILS.

RECORD DRAWING



AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STARTED BY SNYDER MILLER DATE 3/07
INSPECTOR'S ACCEPTANCE BY BLPWD DATE 3/07
VERIFICATION BY BLPWD DATE 3/07
CORRECTED BY P.B. DATE 3/07
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER
4-1-07

NO.	DATE	REMARKS	DESIGN		
			DESIGNED BY	BPB & TT	08/01/07
			DRAWN BY	BPB & TT	08/01/07
			CHECKED BY	JB	08/01/07

PB Parsons Brinckerhoff

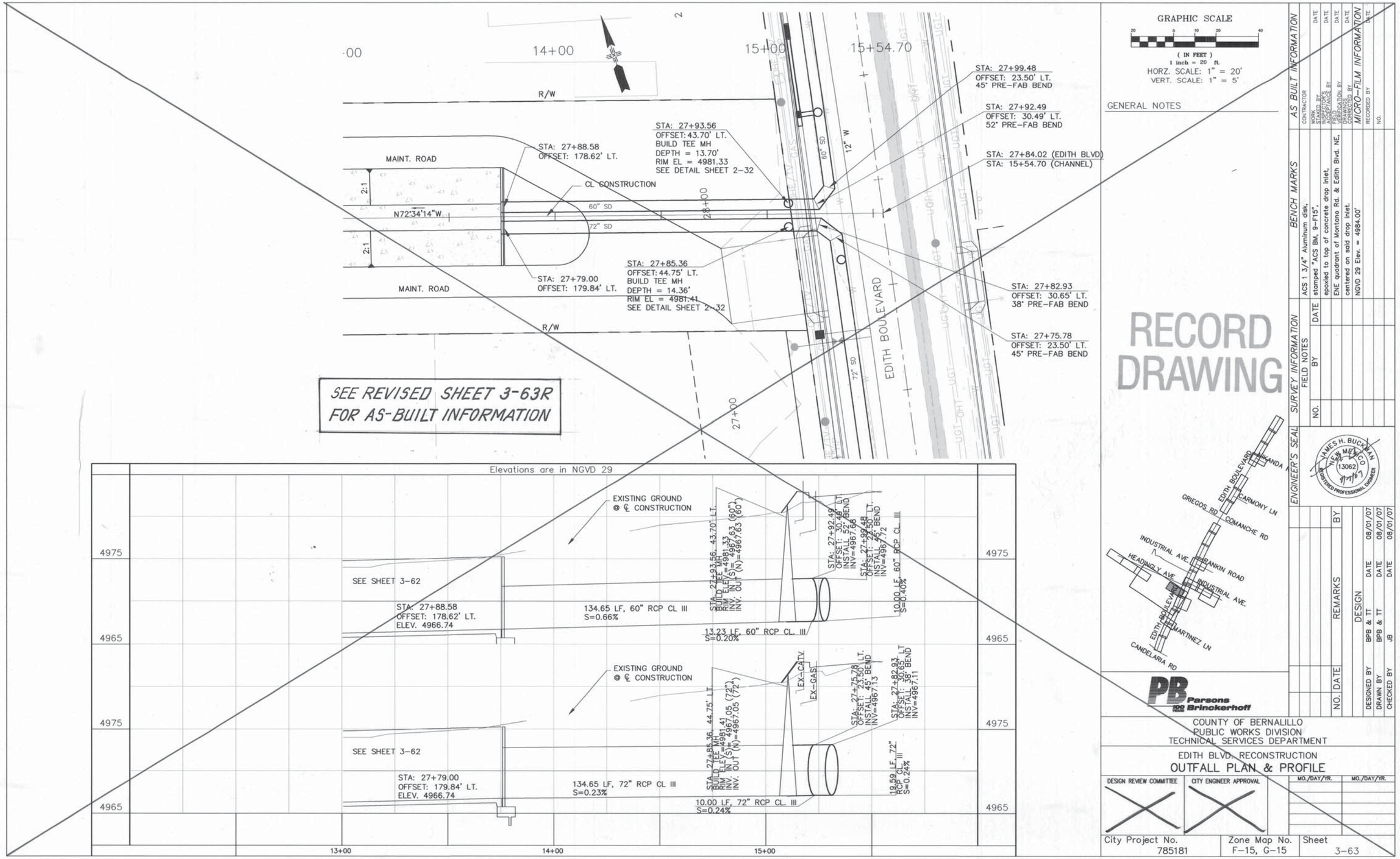
COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
CHANNEL PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-62

G:\33588_Edith\04 Engineering\Plans\Section 3\3 DRN_ss.dwg 8/2/2007 11:52:51 AM MDT



GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

RECORD DRAWING

PB Parsons Brinckerhoff

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY
INSPECTOR'S ACCEPTANCE BY — DATE
VERIFICATION BY — DATE
PLANS CORRECTED BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

DESIGN
DESIGNED BY — BPB & TT — DATE 08/01/07
DRAWN BY — BPB & TT — DATE 08/01/07
CHECKED BY — JB — DATE 08/01/07

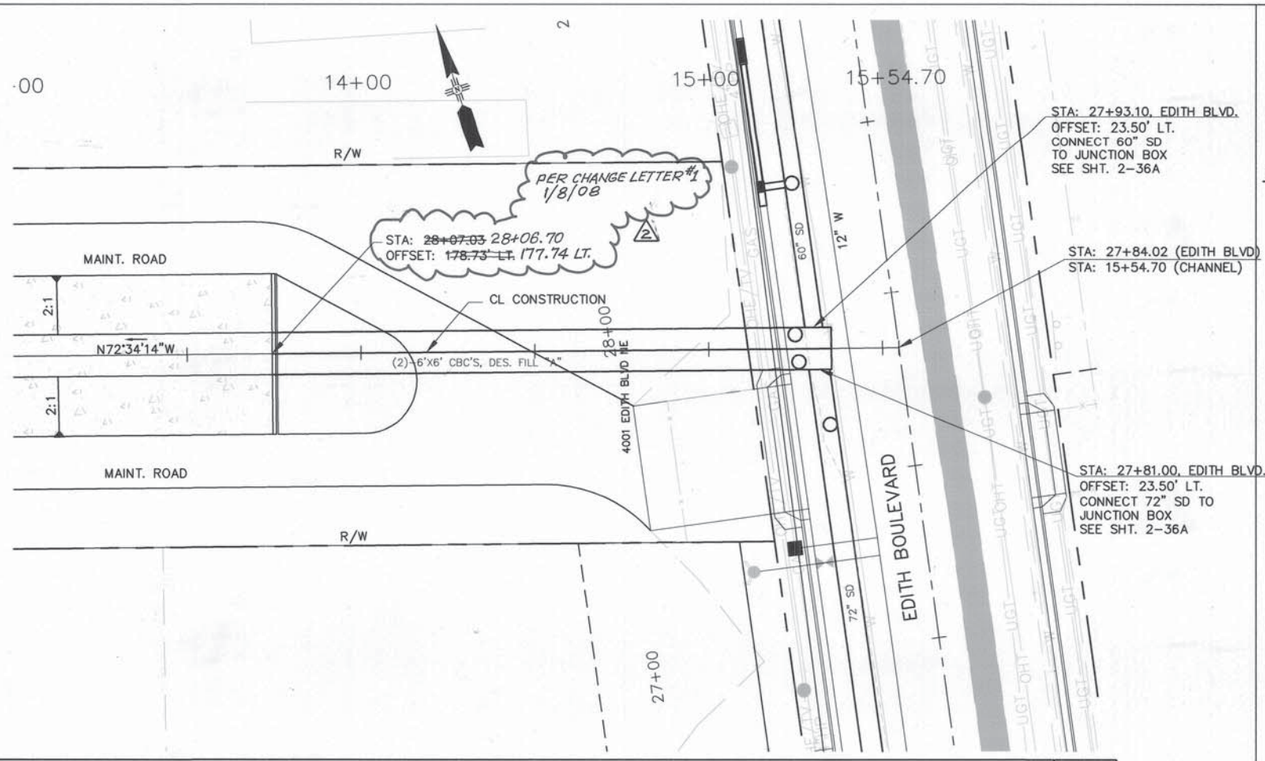
COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

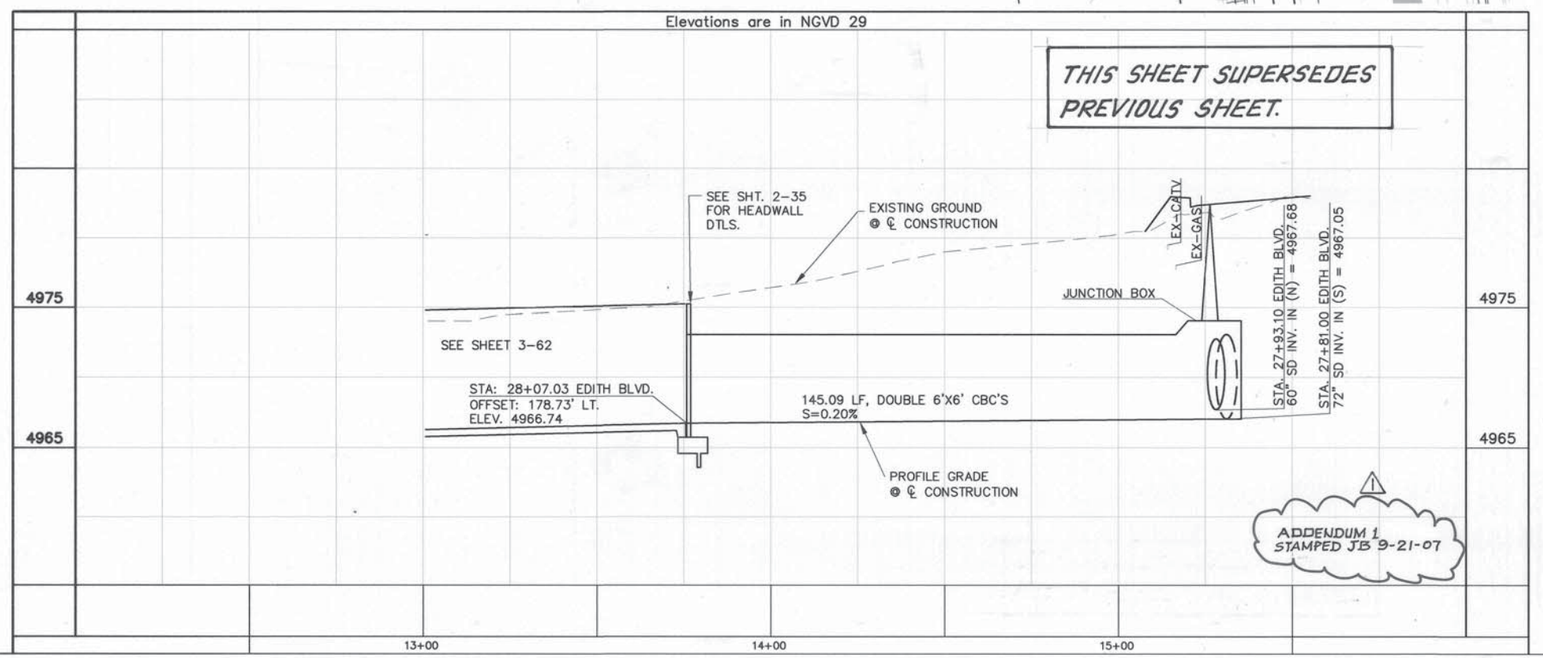
EDITH BLVD. RECONSTRUCTION
OUTFALL PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 3-63

G:\33588_Edith\04 Engineering\Plans\Section 3\3 DRN_ss.dwg 8/2/2007 11:52:51 AM MDT





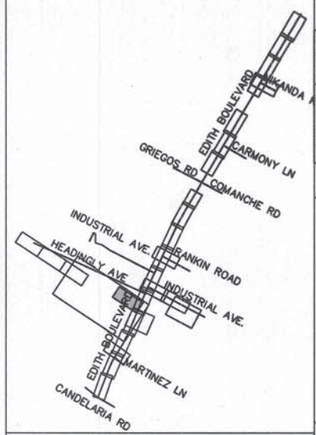
GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

RECORD DRAWING



PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HABNER
STAKED BY SNIDER MINER DATE
INSPECTOR'S INITIALS JB DATE 1/09
FIELD VERIFICATION BY BCPWD DATE 1/09
CORRECTED BY P.B. DATE 5/09
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	1/8/08	PER CHANGE LETTER #1 - 1/8/08	VBV
2	9/21/07	ADDENDUM 1	JB

DESIGN

DESIGNED BY	BPB & TT	DATE	08/01/07
DRAWN BY	BPB & TT	DATE	08/01/07
CHECKED BY	JB	DATE	08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
OUTFALL PLAN & PROFILE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
785181	G-14	3-63R

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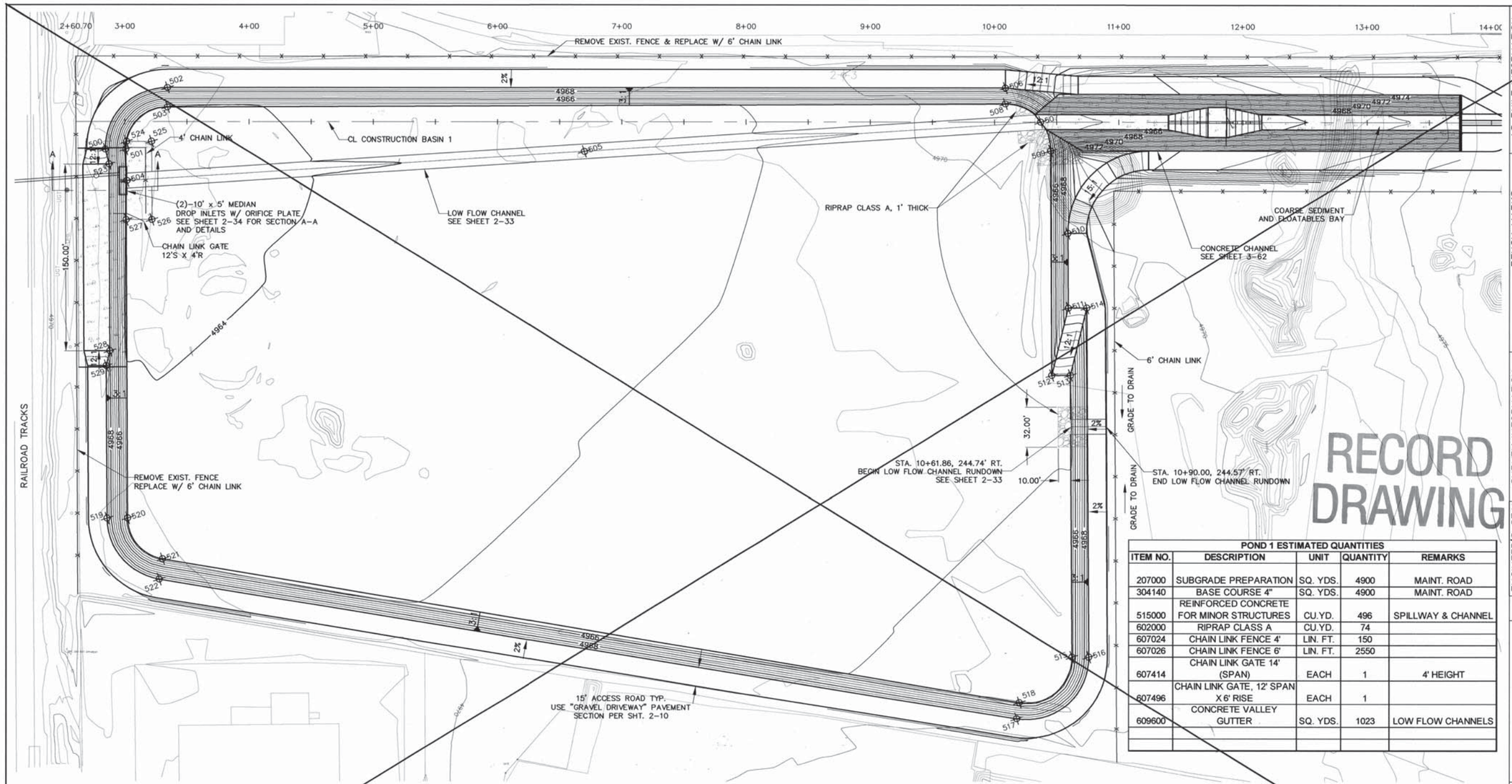

RECORD DRAWING

POND 1 ESTIMATED QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	REMARKS
207000	SUBGRADE PREPARATION	SQ. YDS.	4900	MAINT. ROAD
304140	BASE COURSE 4"	SQ. YDS.	4900	MAINT. ROAD
515000	REINFORCED CONCRETE FOR MINOR STRUCTURES	CU.YD.	496	SPILLWAY & CHANNEL
602000	RIPRAP CLASS A	CU.YD.	74	
607024	CHAIN LINK FENCE 4'	LIN. FT.	150	
607026	CHAIN LINK FENCE 6'	LIN. FT.	2550	
607414	CHAIN LINK GATE 14' (SPAN)	EACH	1	4' HEIGHT
607496	CHAIN LINK GATE, 12' SPAN X 6' RISE	EACH	1	
609600	CONCRETE VALLEY GUTTER	SQ. YDS.	1023	LOW FLOW CHANNELS

POINT	STATION	OFFSET	ELEVATION	REMARKS
500	2+84.42	21.99	4969.00	
501	3+00.92	21.90	4963.70	
502	3+34.41	-28.29	4969.00	
503	3+34.41	-11.79	4963.90	
504	3+01.81	47.35	4963.70	
505	6+69.98	23.68	4964.20	
506	10+08.79	-28.29	4969.00	
507	10+37.21	0.00	4964.78	
508	10+08.79	-14.79	4964.78	
509	10+45.29	23.00	4964.82	
510	10+59.20	89.40	4969.00	
511	10+59.57	149.40	4969.00	
512	10+46.25	203.48	4964.90	
513	10+61.25	203.39	4964.90	

POINT	STATION	OFFSET	ELEVATION	REMARKS
514	10+74.41	149.31	4969.00	
515	10+62.64	429.56	4965.20	
516	10+76.14	429.48	4969.00	
517	10+18.16	479.13	4969.00	
518	10+20.31	465.80	4965.20	
519	2+86.12	318.50	4969.00	
520	3+02.61	318.41	4964.20	
521	3+30.77	351.30	4964.20	
522	3+28.14	367.59	4969.00	
523	2+87.48	33.97	4968.00	
524	3+01.43	15.86	4963.82	
525	3+21.63	15.74	4963.82	
526	3+21.99	78.74	4963.82	
527	3+01.24	78.86	4963.82	
528	2+88.31	183.97	4968.00	
529	2+85.38	195.99	4969.00	

CONSTRUCTION NOTES:

1. APPLY STEEP SLOPE SEEDING (ITEM 632100) TO POND SIDE SLOPES 3:1 AND STEEPER AND LONGER THAN 5' MEASURED DOWN THE SLOPE. SEE SHEET 2-17 FOR ADDITIONAL INFORMATION. APPLY CLASS A SEEDING TO OTHER AREAS.

DESIGN DATA:

DESIGN STORM	100-YEAR
PEAK INFLOW	328 CFS
PEAK OUTFLOW	5.4 CFS
DESIGN VOLUME	16.77 AC-FT
DESIGN W.S.E.	4966.45
DESIGN DRAIN TIME	90 HRS
DESIGN MAX. VOLUME	20.82 AC-FT*
DESIGN MAX. W.S.E.	4967.24*

*ASSUMES ZERO OUTFLOW FROM POND

LEGEND

ITEM	EXISTING	PROPOSED
INDEX CONTOUR	4970	4968
INTERMEDIATE CONTOUR		
CONTROL/ GRADE POINT	N/A	500
PROPERTY LINE		N/A

SEE REVISED SHEET 3-64R FOR AS-BUILT INFORMATION

GRAPHIC SCALE

40 0 20 40 80

(IN FEET)
1 inch = 40 ft.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet. ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION

CONTRACTOR — DATE
KEY BY — DATE
STAKED BY
INSPECTORS
FIELD SURVEYED BY — DATE
FIELD CALCULATION BY
DRAWINGS CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

SURVEY INFORMATION

FIELD NOTES
BY — DATE
NO.

ENGINEER'S SEAL

JAMES H. BUCHANAN
NEW MEXICO
13062
8/3/07
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	DATE 08/01/07
			DESIGNED BY
			DATE 08/01/07
			DRAWN BY
			DATE 08/01/07
			CHECKED BY

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
DETENTION BASIN NO. 1

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 3-64

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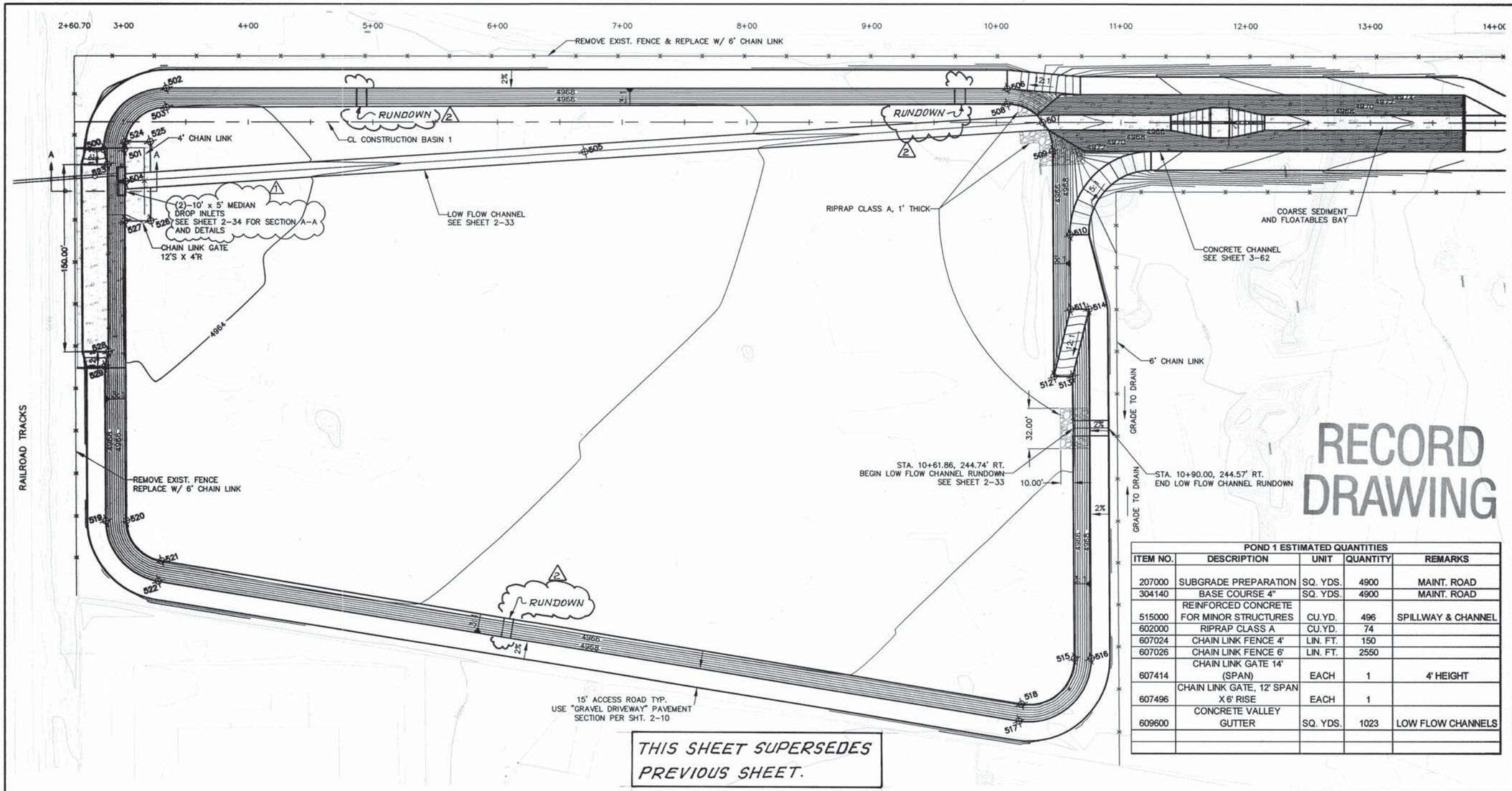

RECORD DRAWING

POND 1 ESTIMATED QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	REMARKS
207000	SUBGRADE PREPARATION	SQ. YDS.	4900	MAINT. ROAD
304140	BASE COURSE 4"	SQ. YDS.	4900	MAINT. ROAD
515000	REINFORCED CONCRETE FOR MINOR STRUCTURES	CU.YD.	496	SPILLWAY & CHANNEL
602000	RIPRAP CLASS A	CU.YD.	74	
607024	CHAIN LINK FENCE 4'	LIN. FT.	150	
607026	CHAIN LINK FENCE 6'	LIN. FT.	2550	
607414	CHAIN LINK GATE 14' (SPAN)	EACH	1	4' HEIGHT
607496	CHAIN LINK GATE, 12' SPAN X 6' RISE	EACH	1	
609600	CONCRETE VALLEY GUTTER	SQ. YDS.	1023	LOW FLOW CHANNELS

POINT	STATION	OFFSET	ELEVATION	REMARKS
500	2+84.42	21.99	4969.00	
501	3+00.92	21.90	4963.70	
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503	3+34.41	-11.79	4963.90	
504	3+01.81	47.35	4963.70	
505	6+69.98	23.68	4964.20	
506	10+08.79	-28.29	4969.00	
507	10+37.21	0.00	4964.70	
508	10+08.79	-14.79	4964.78	
509	10+45.29	23.00	4964.82	
510	10+59.20	89.40	4969.00	
511	10+59.57	149.40	4969.00	
512	10+46.25	203.48	4964.90	
513	10+61.25	203.39	4964.90	

POINT	STATION	OFFSET	ELEVATION	REMARKS
514	10+74.41	149.31	4969.00	
515	10+62.64	429.56	4965.20	
516	10+76.14	429.48	4969.00	
517	10+18.16	479.13	4969.00	
518	10+20.31	465.80	4965.20	
519	2+86.12	318.50	4969.00	
520	3+02.61	318.41	4964.20	
521	3+30.77	351.30	4964.20	
522	3+28.14	367.59	4969.00	
523	2+87.48	33.97	4968.00	
524	3+01.43	15.86	4963.82	
525	3+21.63	15.74	4963.82	
526	3+21.99	78.74	4963.82	
527	3+01.24	78.86	4963.82	
528	2+88.31	183.97	4968.00	
529	2+85.38	195.99	4969.00	

THIS SHEET SUPERSEDES PREVIOUS SHEET.

CONSTRUCTION NOTES:

1. APPLY STEEP SLOPE SEEDING (ITEM 632100) TO POND SIDE SLOPES 3:1 AND STEEPER AND LONGER THAN 5' MEASURED DOWN THE SLOPE. SEE SHEET 2-17 FOR ADDITIONAL INFORMATION. APPLY CLASS A SEEDING TO OTHER AREAS.

DESIGN DATA:

DESIGN STORM	100-YEAR
PEAK INFLOW	328 CFS
PEAK OUTFLOW	4.4 CFS
DESIGN VOLUME	16.91 AC-FT
DESIGN W.S.E.	4966.46
DESIGN DRAIN TIME	128 HRS
DESIGN MAX. VOLUME	20.82 AC-FT*
DESIGN MAX. W.S.E.	4967.24*

*ASSUMES ZERO OUTFLOW FROM POND

LEGEND

ITEM	EXISTING	PROPOSED
INDEX CONTOUR		4968
INTERMEDIATE CONTOUR		
CONTROL/ GRADE POINT	N/A	500
PROPERTY LINE		N/A

GRAPHIC SCALE

40 0 20 40 80

(IN FEET)
1 inch = 40 ft.

AS BUILT INFORMATION

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

CONTRACTOR A.S. HORNER
VERIFIED BY SNYDER MILLER 2/06 DATE
STAKED BY [illegible] DATE
INSPECTED BY BCPWD 3/09 DATE
FIELD OPERATION BY BCPWD 3/09 DATE
CORRECTED BY P. B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

SURVEY INFORMATION
FIELD NOTES
BY
DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	04/09	ADDED RUNDOWNS	VRV
2	6/08	ORIFICE PL DELETED, DES. DATA REVISED	JB

DESIGN
DESIGNED BY DATE 08/01/07
DRAWN BY DATE 08/01/07
CHECKED BY DATE 08/01/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
DETENTION BASIN NO. 1

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 3-64R

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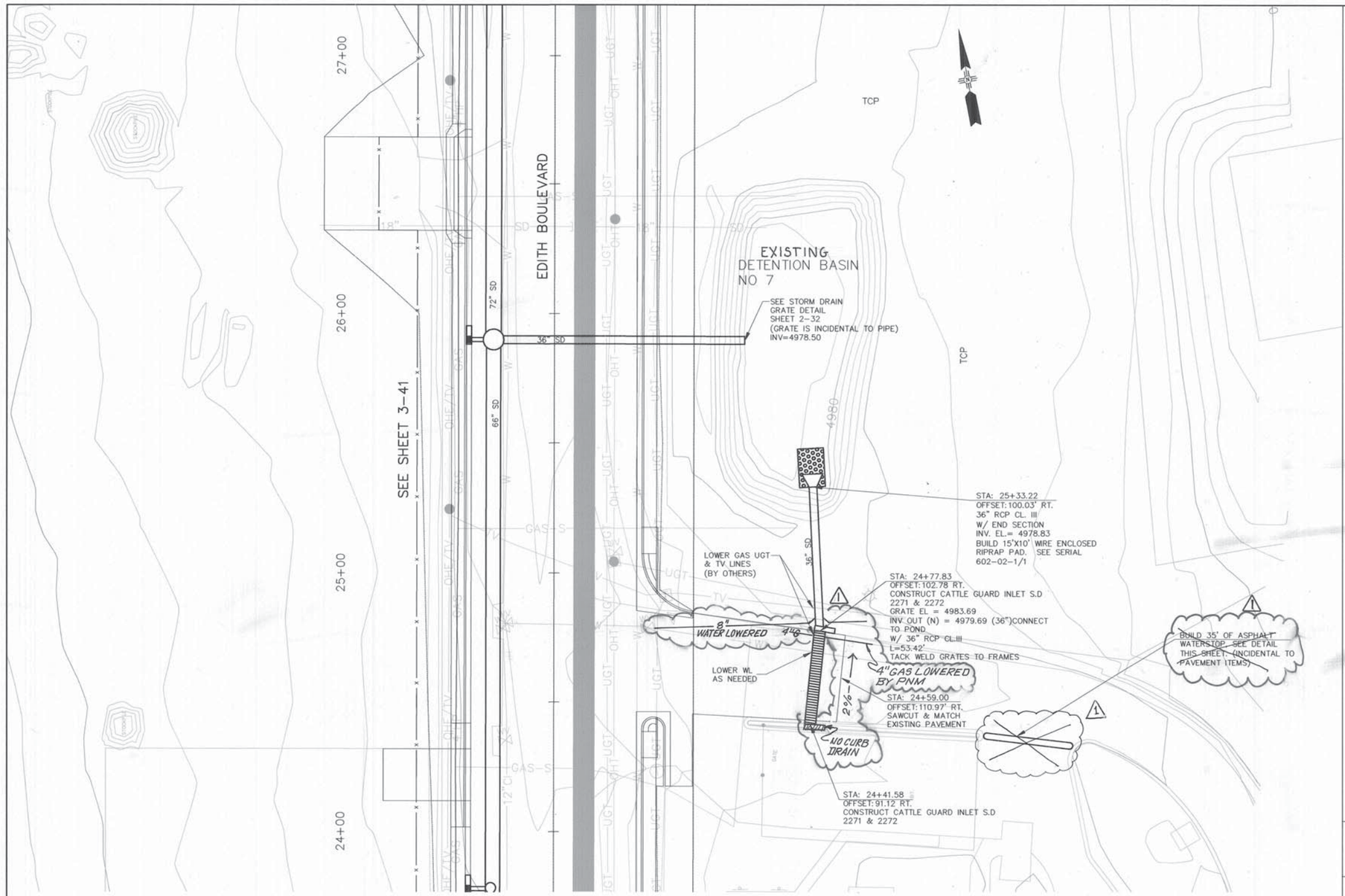
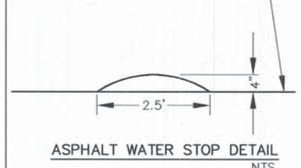


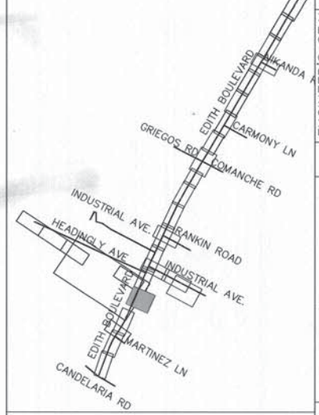
GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'



ASPHALT WATER STOP DETAIL
NTS



AS BUILT INFORMATION
CONTRACTOR A.S. HORNER DATE
WORK STAKED BY SUPER MILLER 7/08 DATE
INSPECTOR'S FIELD NOTES BY B.L.P.W.D. 1/09 DATE
FIELD VERIFICATION BY B.L.P.W.D. 1/09 DATE
DRAWING CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM. 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
8/17/07

NO.	DATE	REMARKS	BY
1	04/09	WATER & GAS LOWERED	VRV

DESIGN
DESIGNED BY DATE 08/01/07
DRAWN BY DATE 08/01/07
CHECKED BY DATE 08/01/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
DETENTION BASIN NO 7

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	3-65

RECORD DRAWING

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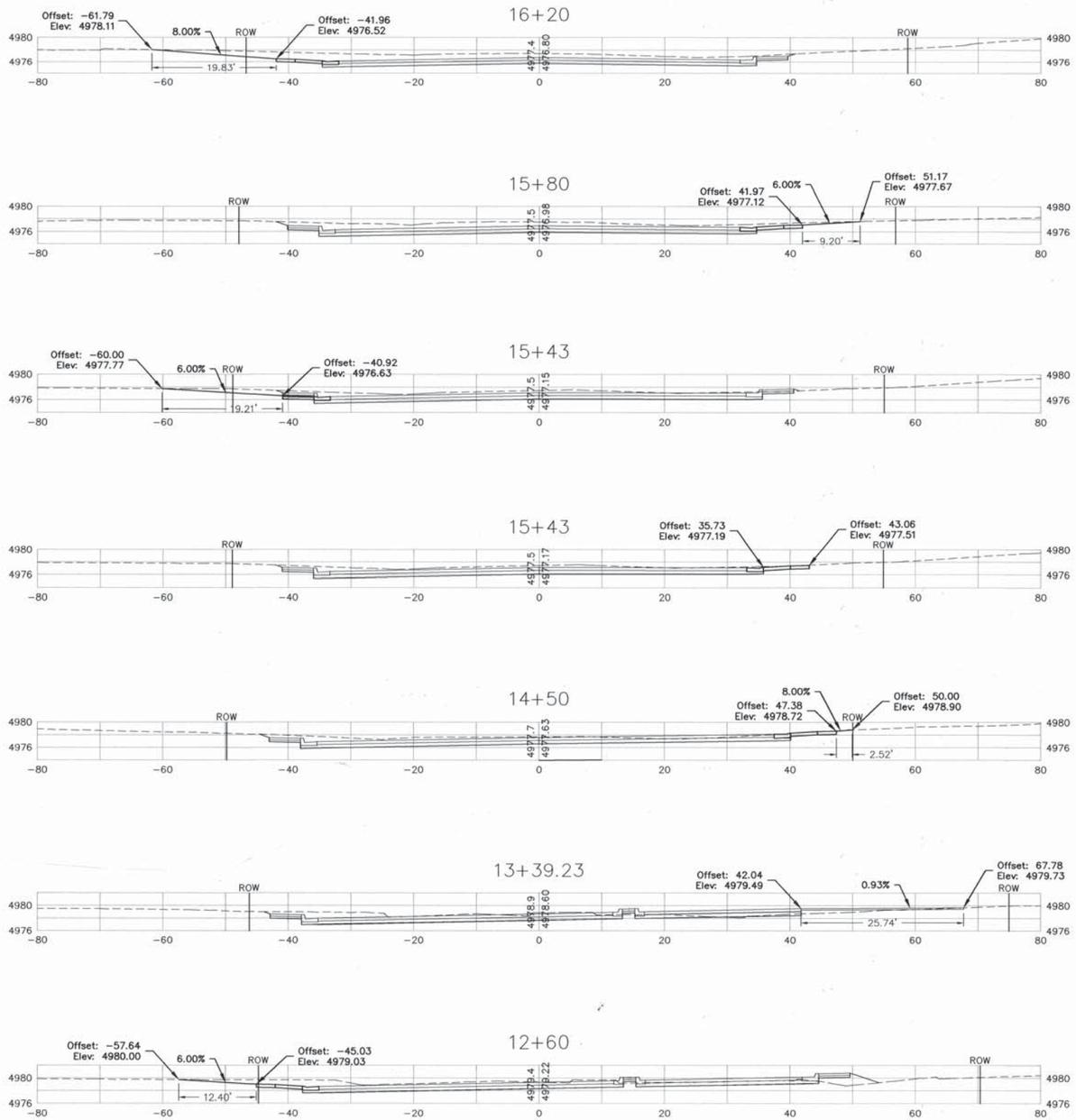

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

DRIVEWAY PROFILES

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	4-1

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER
WORK STAKED BY SNYDER MILLER 7/06 DATE
INSPECTOR'S ACCEPTANCE BY B.C.PWD 7/09 DATE
VERIFICATION BY B.C.PWD 7/09 DATE
CORRECTED BY P.B. 5/09 DATE

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCHMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 9/11/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY	JB DATE 8/1/06
		DRAWN BY	RJ DATE 8/1/06
		CHECKED BY	NA DATE 8/2/06

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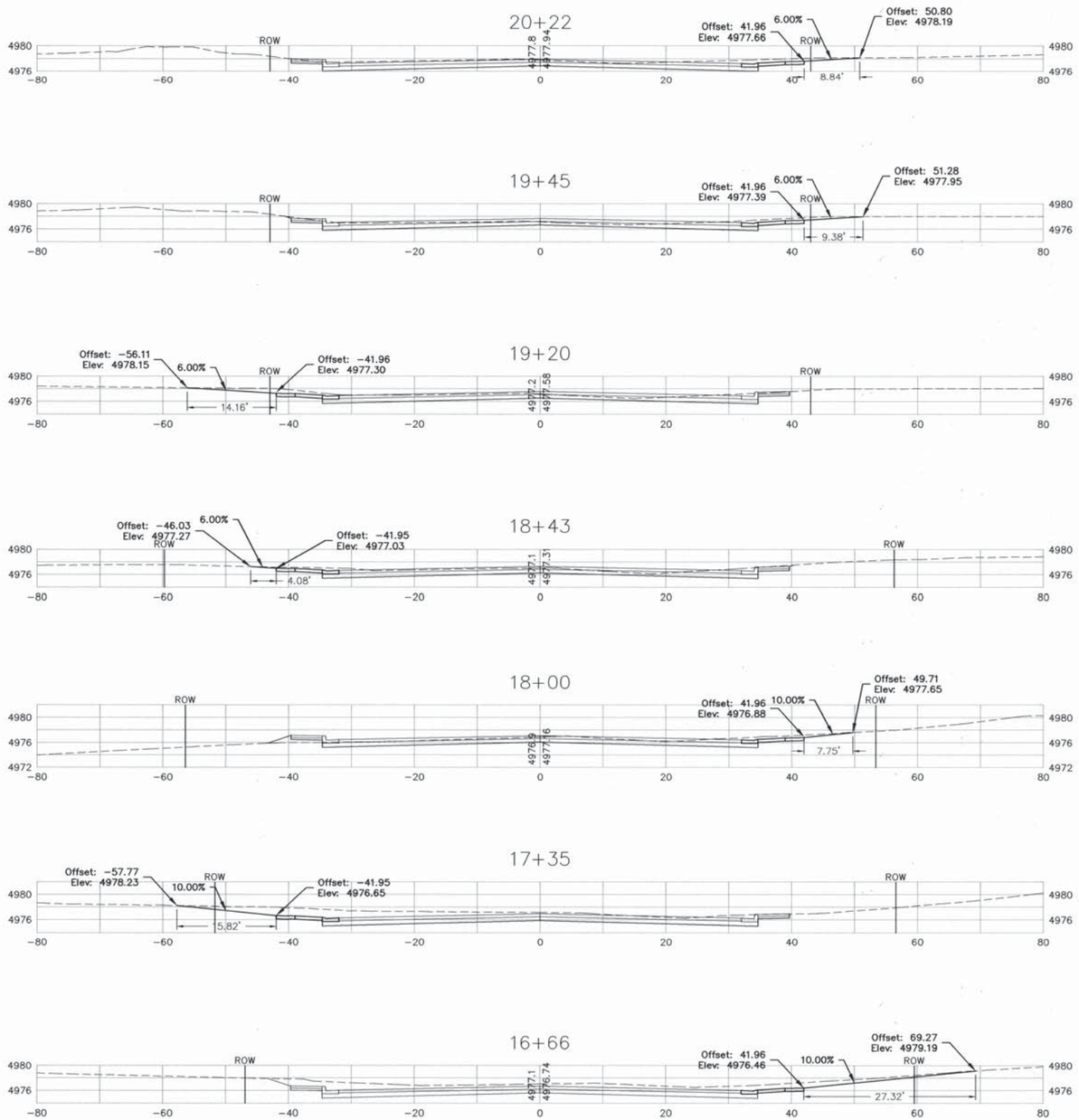

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

DRIVEWAY PROFILES

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	4-2

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER

WORK STAKED BY Sowder Miller 7/06 DATE

INSPECTORS ACCEPTANCE BY BCPWD 1/09 DATE

VERIFICATION BY BCPWD 1/09 DATE

CORRECTED BY P.B. 5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.

NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/1/07

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	JB	DATE 8/1/06
DRAWN BY	RJ	DATE 8/1/06
CHECKED BY	NA	DATE 8/2/06

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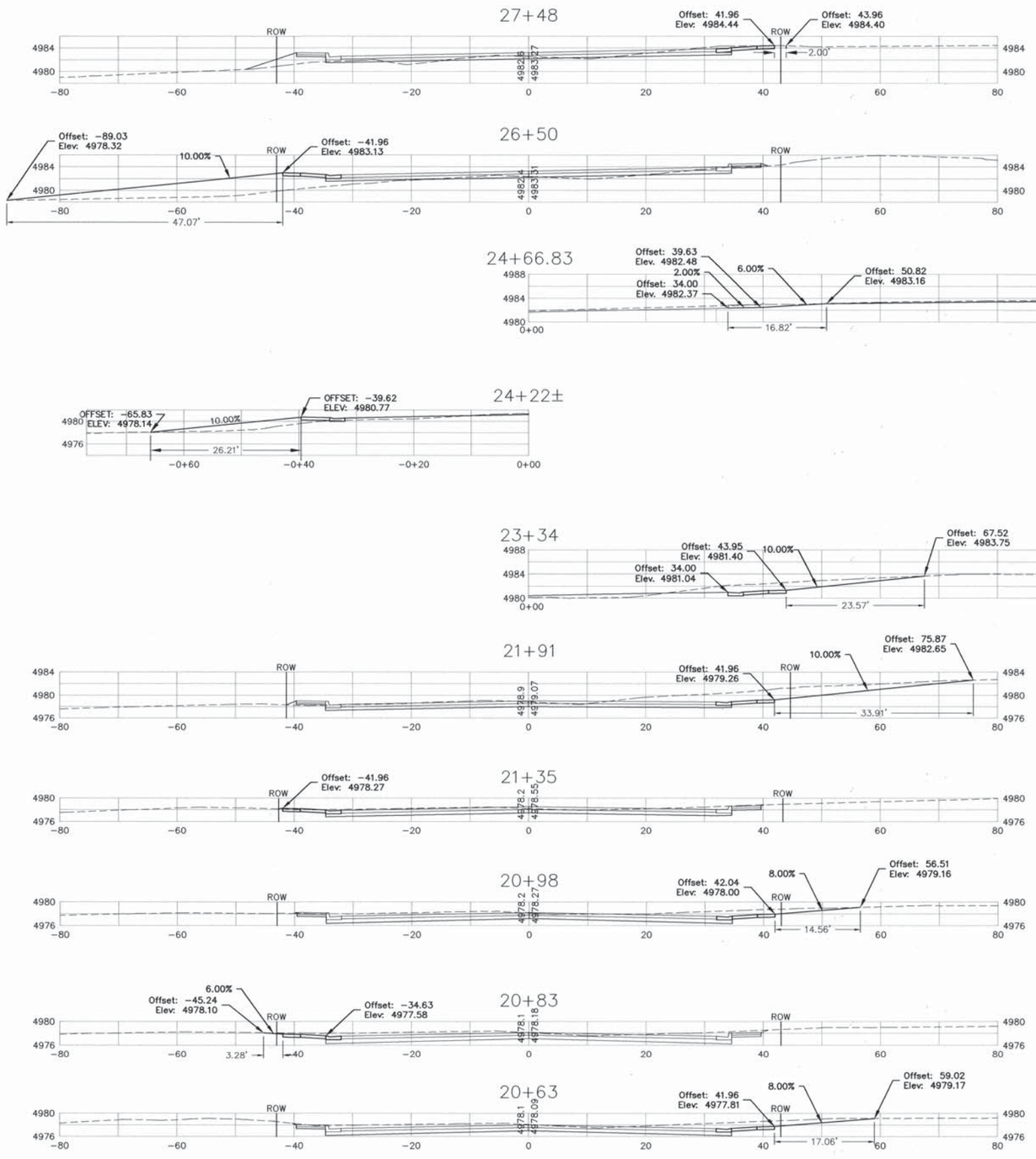

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

AS BUILT INFORMATION

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9−F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

CONTRACTOR A.S. HORNER

	NAME	DATE
WORK STAKED BY	SNYDER MILLER	7/06
INSPECTORS		
ACCEPTANCE BY	BCPWD	1/09
FINAL INSPECTION BY	BCPWD	1/09
VERIFICATION BY		
CORRECTED BY	P.B.	3/09

MICRO−FILM INFORMATION

	DATE
RECORDED BY	
NO.	

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCHMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
7/7/07

NO.	DATE	REMARKS	BY

DESIGN

		DATE
DESIGNED BY	JB	8/1/06
DRAWN BY	RJ	8/1/06
CHECKED BY	NA	8/2/06

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
DRIVEWAY PROFILES

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F−15, G−15	4−3

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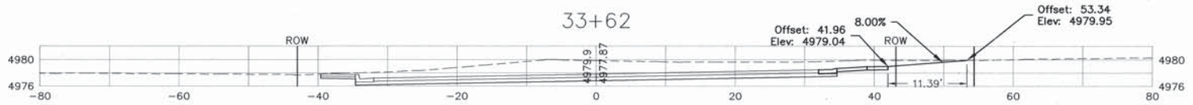
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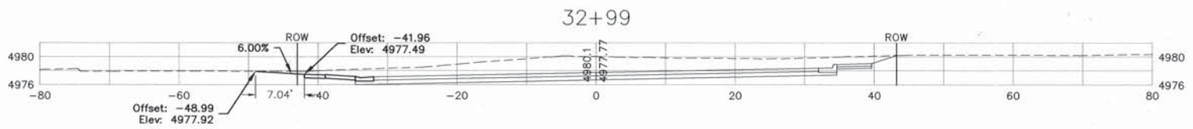
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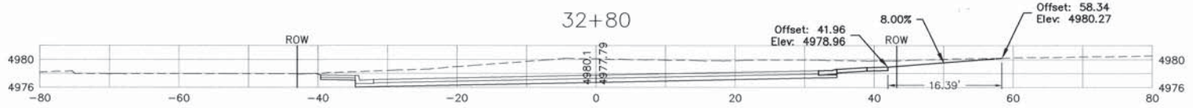
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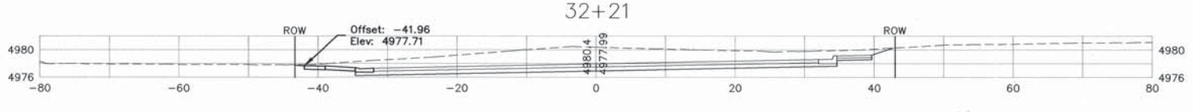
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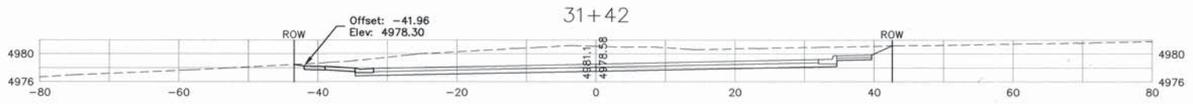

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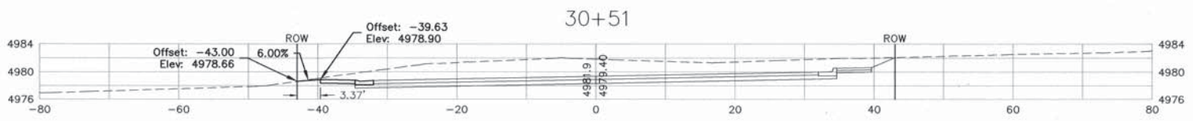

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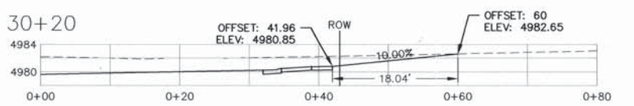

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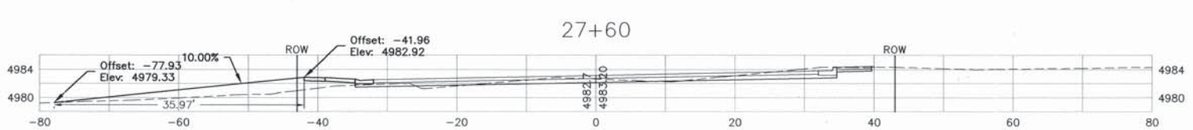
GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
DRIVEWAY PROFILES

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	4-4

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER

WORK STARTED BY SANDER MILLER 7/30 DATE
INSPECTOR'S ACCEPTANCE BY BCPWD 7/9 DATE
VERIFICATION BY BCDWD 7/9 DATE
CORRECTED BY P.B. 7/9 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.09'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCHANAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 7/10/07

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	JB	DATE	8/1/06
DRAWN BY	RJ	DATE	8/1/06
CHECKED BY	NA	DATE	8/2/06

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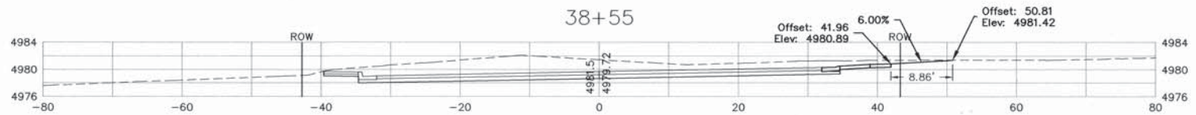
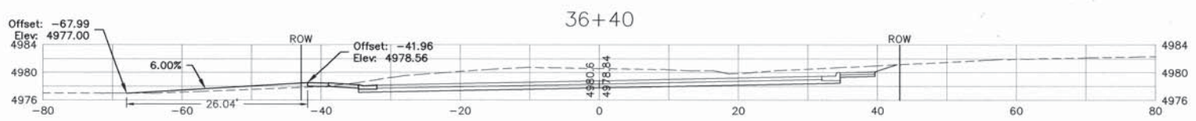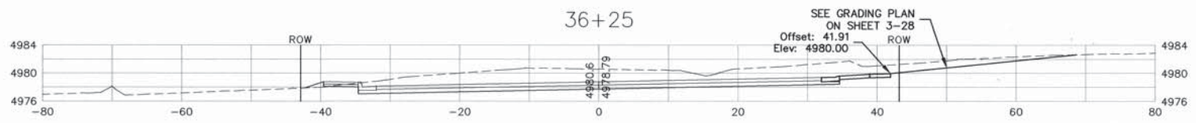

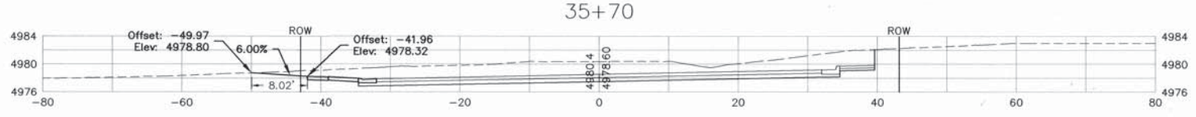

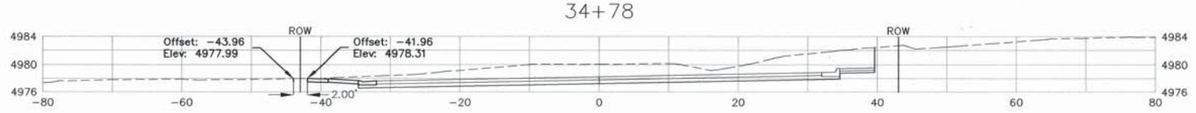

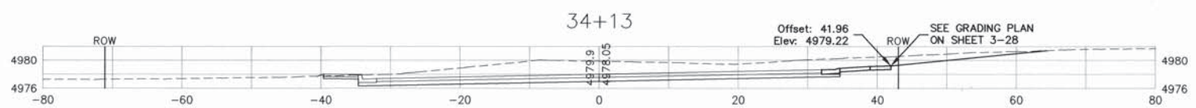

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SOPOBE MILLER 1/08 DATE
INSPECTORS FIELD CHANGES BY B.C.PWD 1/09 DATE
VERIFICATION BY B.C.PWD 1/09 DATE
CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE. centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCHMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
7/7/07

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	JB	DATE 8/1/06
DRAWN BY	RJ	DATE 8/1/06
CHECKED BY	NA	DATE 8/2/06

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
DRIVEWAY PROFILES

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	4-5

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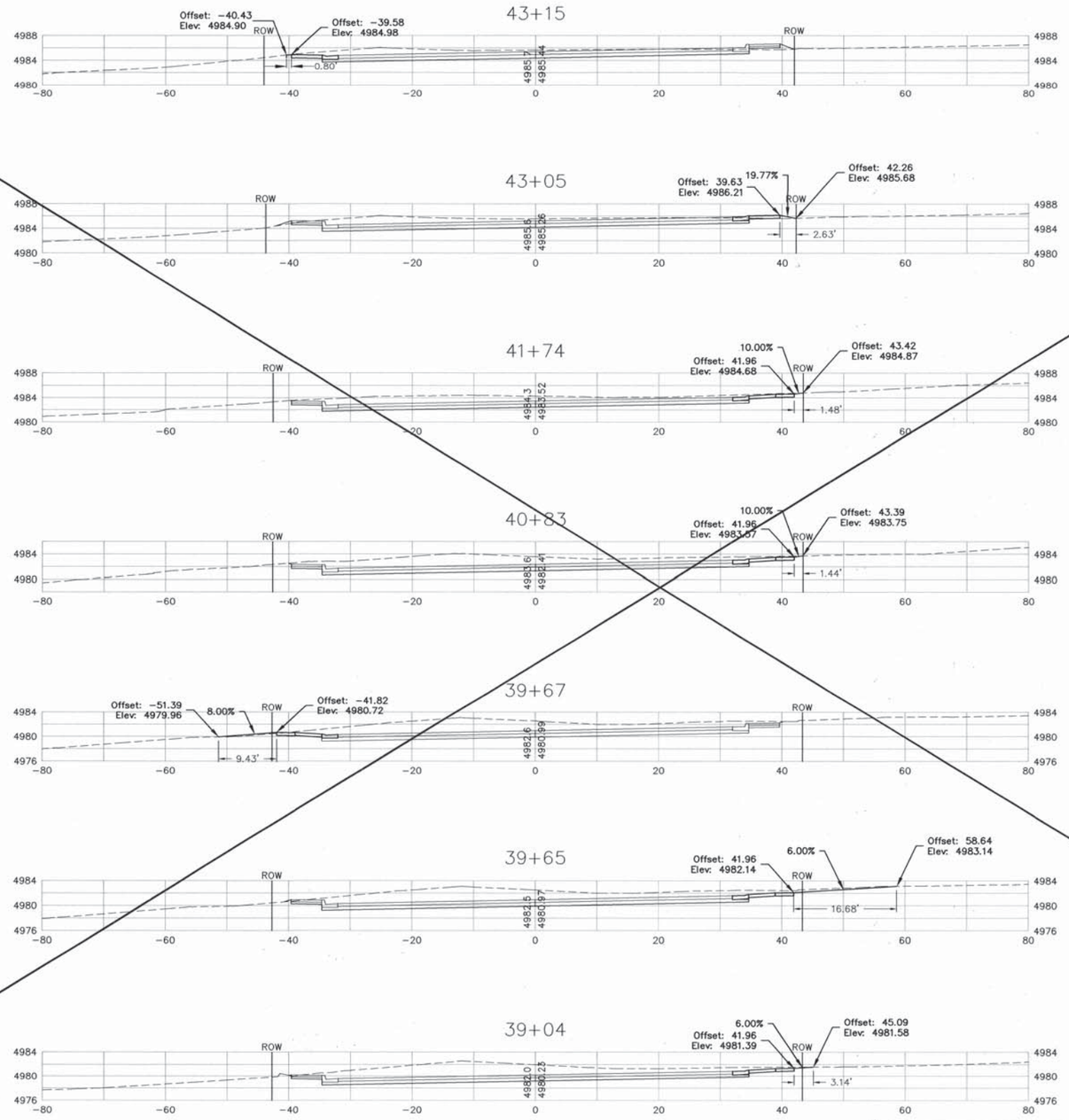

SEE REVISED SHEET 4-6R
FOR AS-BUILT INFORMATION

GRAPHIC SCALE
10 0 5 10 20
(IN FEET)
1 inch = 10 ft.

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
DRIVEWAY PROFILES

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 4-6

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
JAMES H. BUCHANAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/1/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY	JB
		DRAWN BY	RJ
		CHECKED BY	NA
		DATE	8/1/06
		DATE	8/1/06
		DATE	8/2/06

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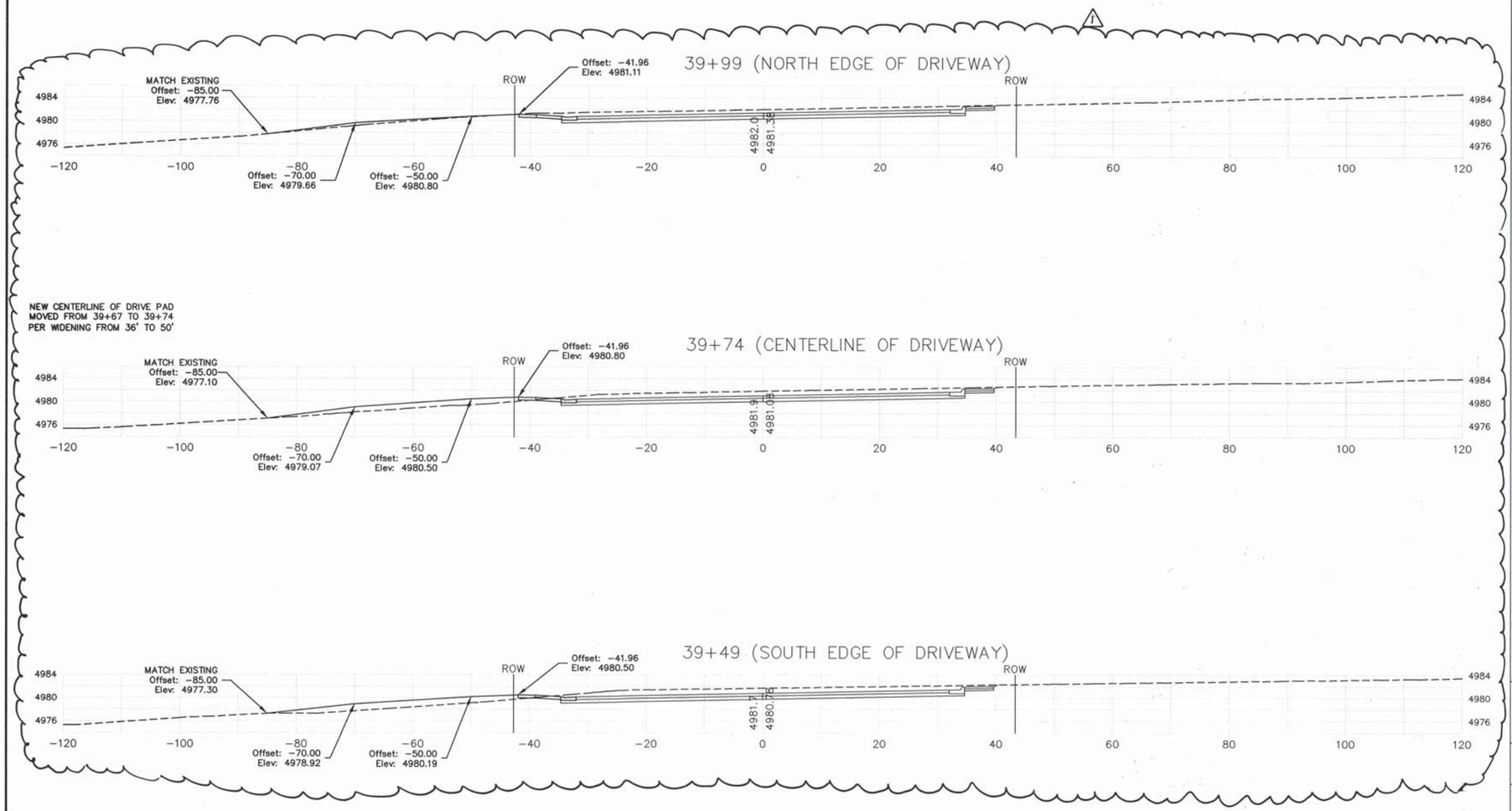

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER DATE

WORK STAKED BY SOWER/MILLER '09 DATE

INSPECTION BY BCPWD 3/09 DATE

FIELD VERIFICATION BY BCPWD 3/09 DATE

DRAWINGS CORRECTED BY P.B. 5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.

NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	6/09	ADDED NEW PROFILES & SHT.	VRV

DESIGN

DESIGNED BY DATE

DRAWN BY DATE

CHECKED BY DATE

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

SUPPLEMENTAL PROFILES FOR DRIVEWAY AT 39+74

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL		MO./DAY/YR.	MO./DAY/YR.

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 4-6A

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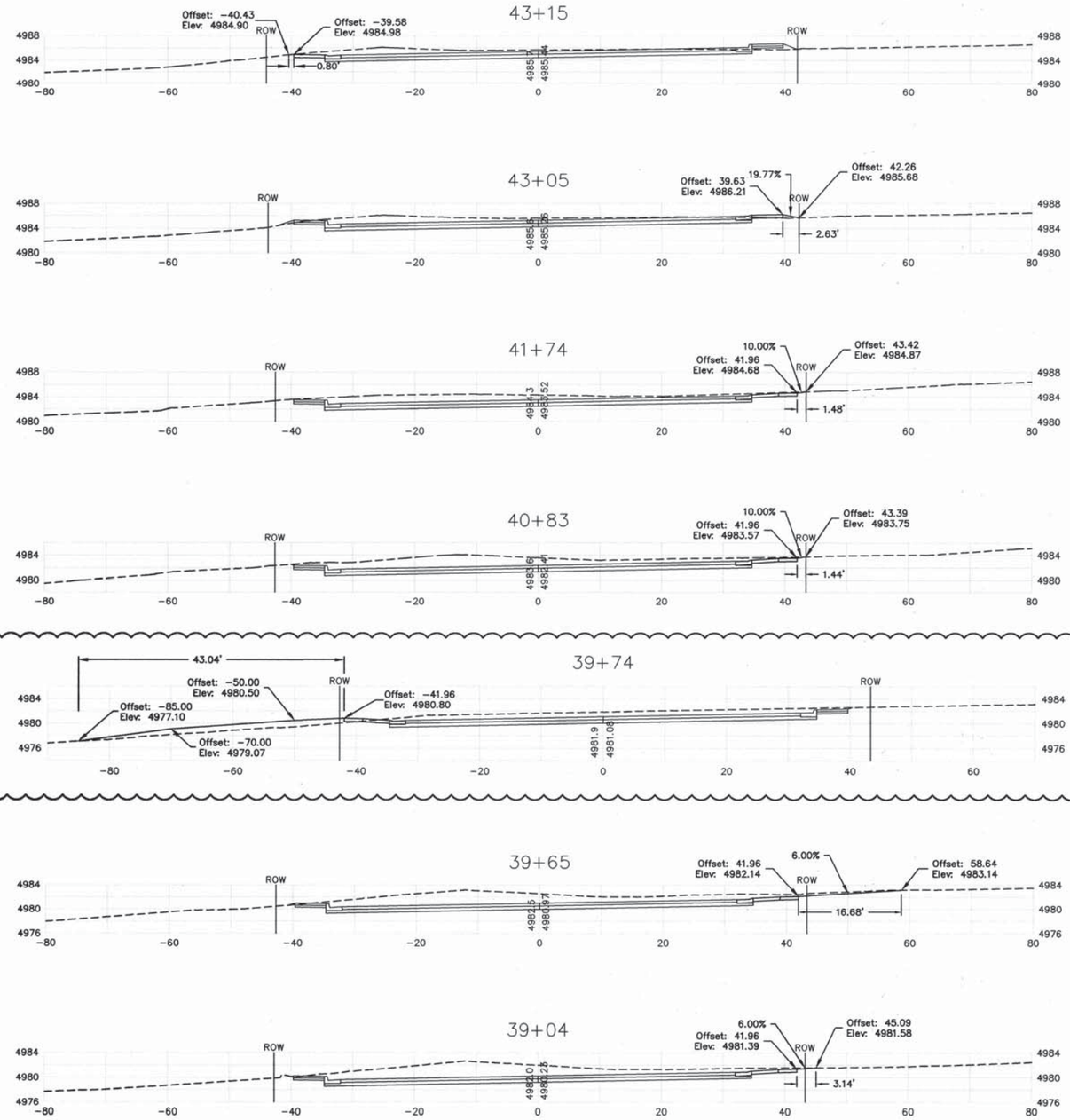


THIS SHEET SUPERSEDES PREVIOUS SHEET.

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
DRIVEWAY PROFILES

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	4-6R

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER
WORK STARTED BY SNYDER MILLER TEP DATE
INSPECTOR'S NOTES BY BGPWD 1/09 DATE
FIELD VERIFICATION BY BGPWD 1/09 DATE
DRAWINGS CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

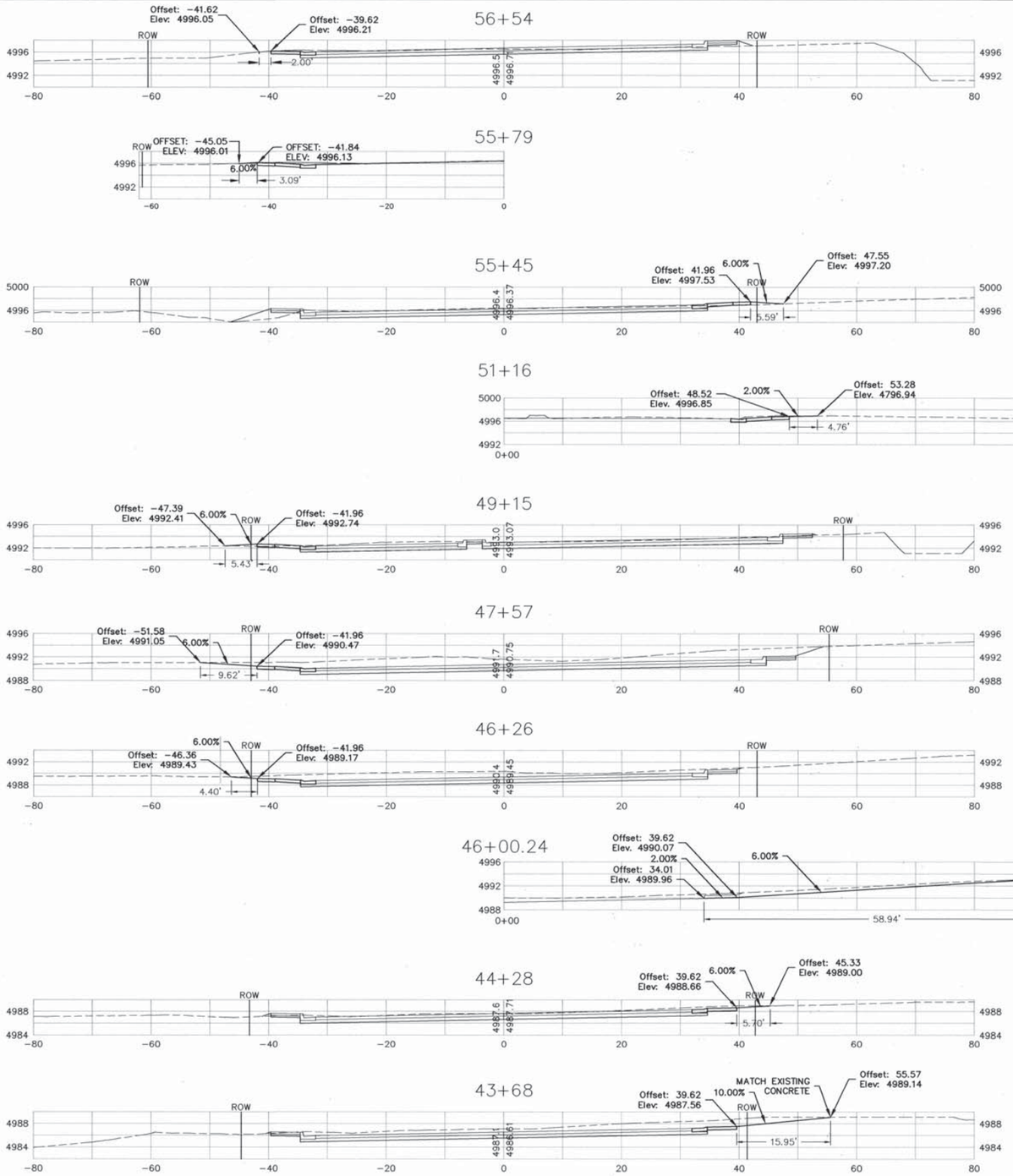
NO.	BY	DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	12/27/08	REVISED AT STA. 39+74	NB

DESIGN

DESIGNED BY	JB	8/1/06
DRAWN BY	RJ	8/1/06
CHECKED BY	NA	8/2/06



GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
DRIVEWAY PROFILES

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 4-7

AS BUILT INFORMATION
CONTRACTOR A. S. HORNER
WORK STAKED BY SWORE MILLER 7/08 DATE
INSPECTORS ACCEPTANCE BY BUPHD 4/09 DATE
VERIFICATION BY P.B. 5/08 DATE
CORRECTED BY MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCHMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 4/1/09

NO.	REMARKS	BY	DESIGN		DATE
			DESIGNED BY	JB	8/1/06
			DRAWN BY	RJ	8/1/06
			CHECKED BY	NA	8/2/06

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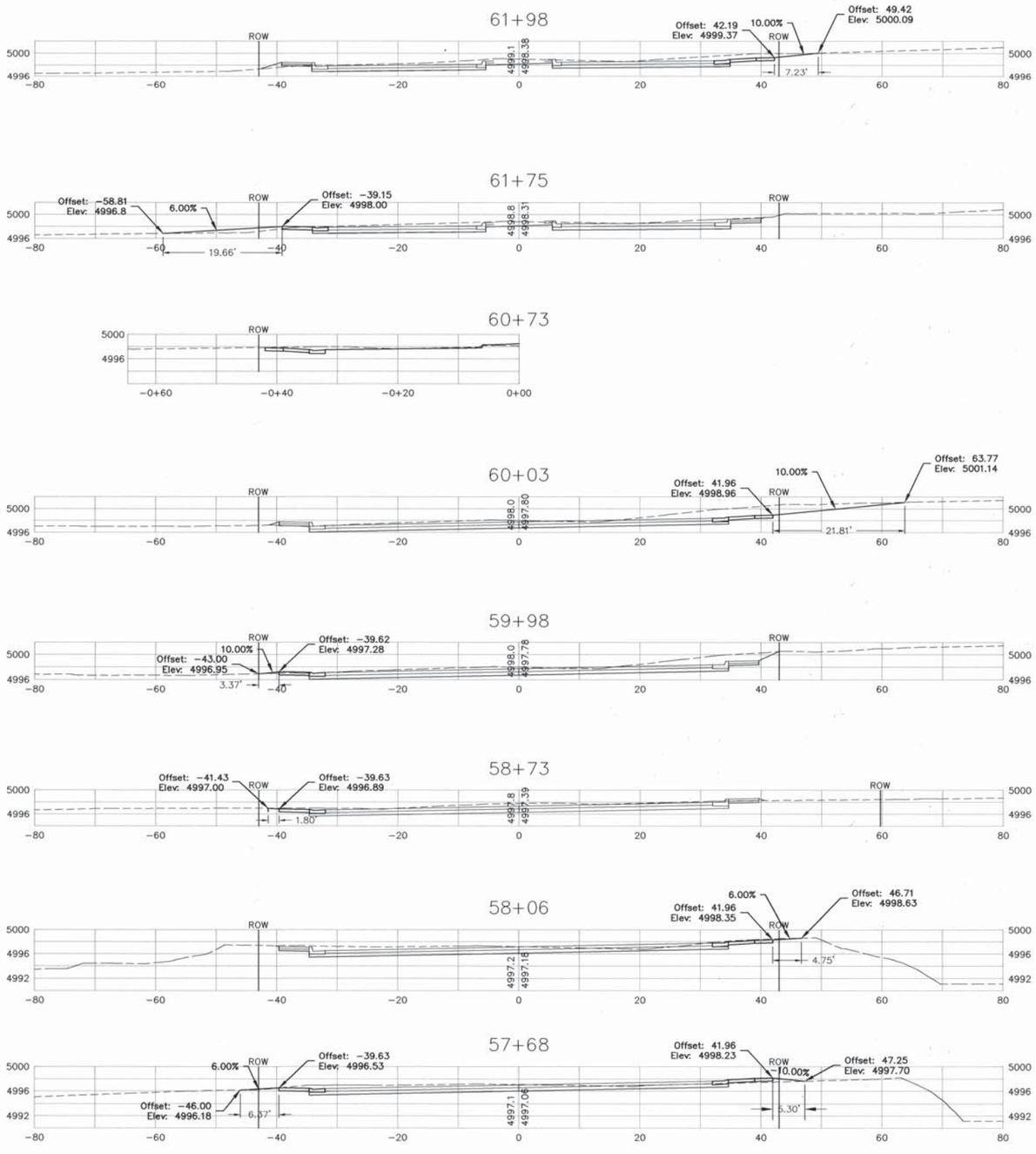

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

DRIVEWAY PROFILES

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	4-8

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER 3/06 DATE
WORK STAKED BY SNYDER MILLER 3/06 DATE
INSPECTOR'S ACCEPTANCE BY B.C.PWD 3/07 DATE
VERIFICATION BY B.C.PWD 3/07 DATE
CORRECTED BY P.B. 5/07 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUSKIRK NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/1/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY JB	DATE 8/1/06
		DRAWN BY RJ	DATE 8/1/06
		CHECKED BY NA	DATE 8/2/06

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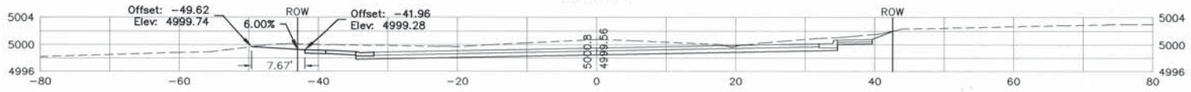
65+64



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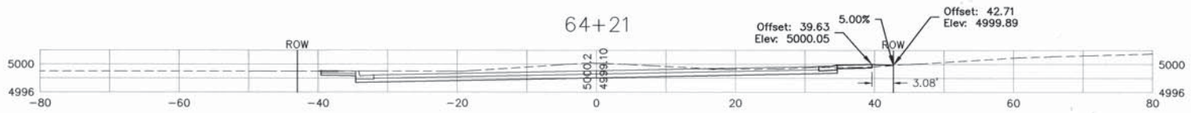
64+21

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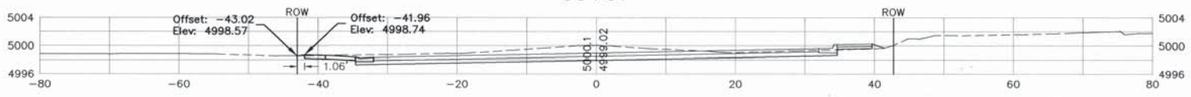

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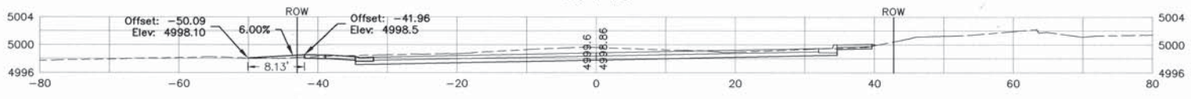

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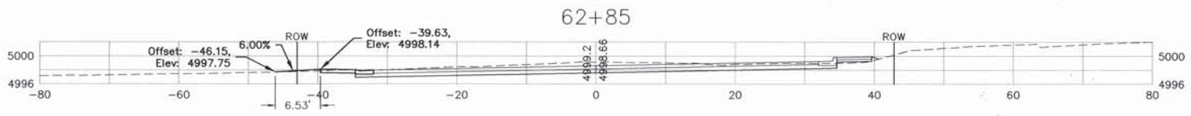
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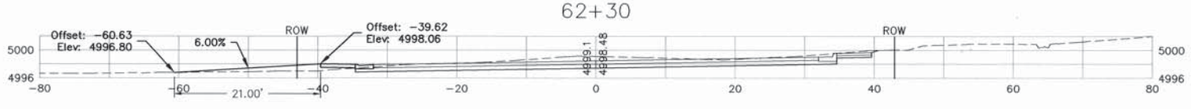
GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

DRIVEWAY PROFILES

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	4-9

AS BUILT INFORMATION

CONTRACTOR A.S. HAKNER
STAKED BY SNYDER MILLER Yeg DATE
INSPECTOR'S ACCEPTANCE BY BcPWD 1/09 DATE
FIELD VERIFICATION BY BcPWD 1/09 DATE
CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES BY DATE

ENGINEER'S SEAL
JAMES H. BUCHANAN NEW MEXICO 13062 8/7/07 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY	JB
		DRAWN BY	RJ
		CHECKED BY	NA

DATE
8/1/06
8/1/06
8/2/06

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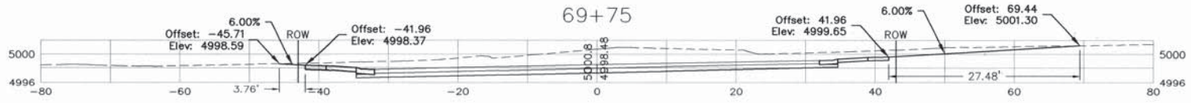
69+75



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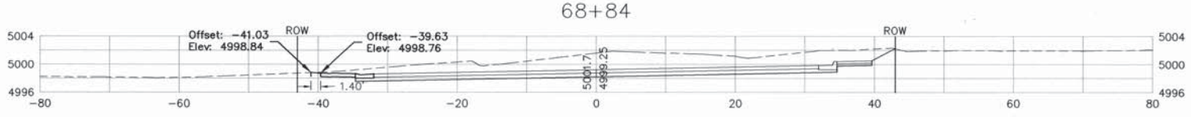

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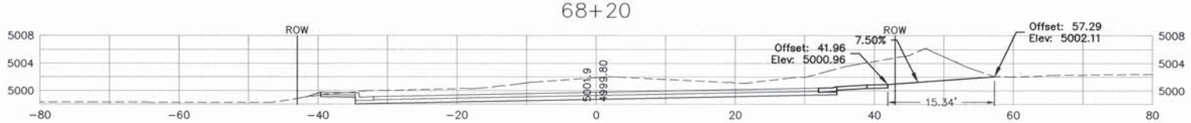

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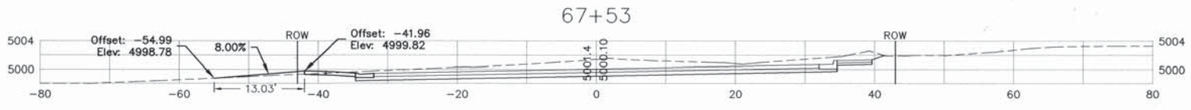

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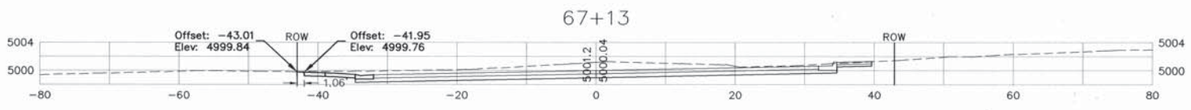
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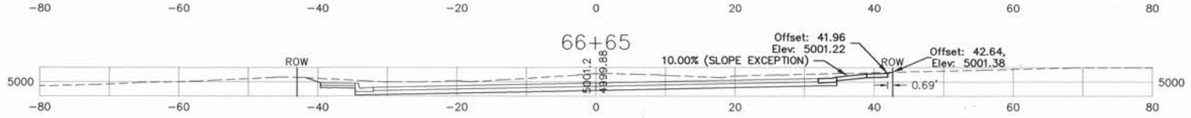

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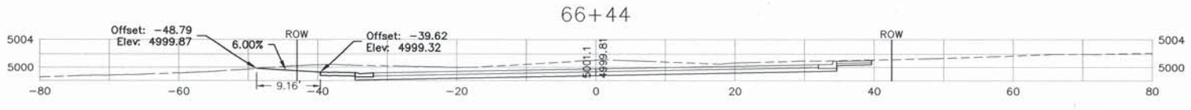

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
DRIVEWAY PROFILES

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F−15, G−15	4−10

AS BUILT INFORMATION
CONTRACTOR A.S. HARNER
WORK STAKED BY SNYDER MILLER 7/08 DATE
INSPECTION BY BCPWD 1/09 DATE
FIELD VERIFICATION BY BCPWD 1/09 DATE
DRAWINGS CORRECTED BY P. B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JAMES H. BUCHMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 4/1/07

NO.	DATE	REMARKS	BY

DESIGN
DESIGNED BY JB DATE 8/1/06
DRAWN BY RJ DATE 8/1/06
CHECKED BY NA DATE 8/2/06

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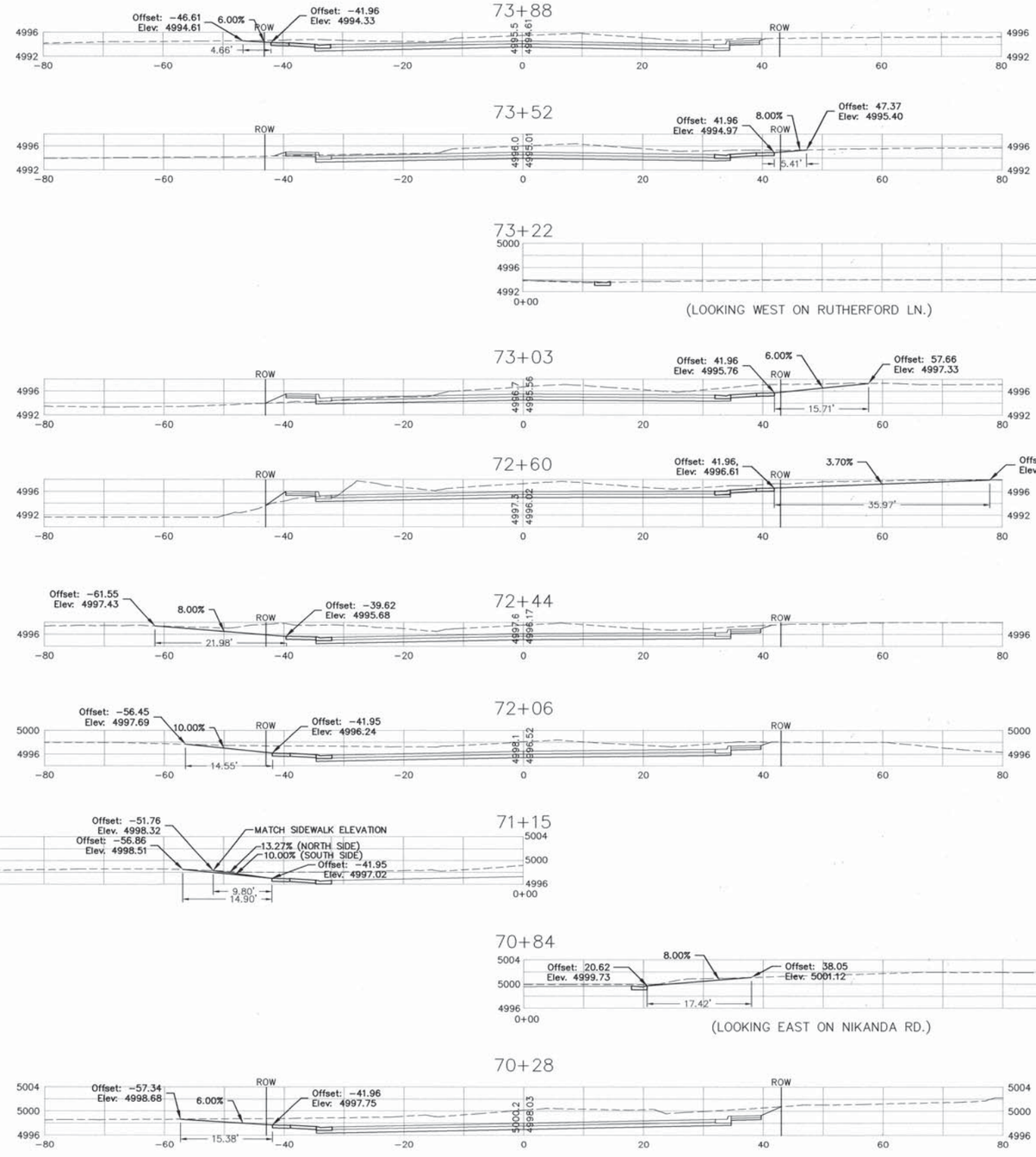

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

RECORD DRAWING

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNIDER MILLER Inc DATE
INSPECTORS ACCEPTANCE BY B.C.P.W.D. 1/09 DATE
FINAL ACCEPTANCE BY B.C.P.W.D. 1/07 DATE
VERIFICATION BY P.B. 5/09 DATE
CORRECTED BY MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
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NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCHANAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 4/1/07

NO.	DATE	REMARKS	BY
DESIGNED BY	JB	DATE	8/1/06
DRAWN BY	RJ	DATE	8/1/06
CHECKED BY	NA	DATE	8/2/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
DRIVEWAY PROFILES

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 4-11

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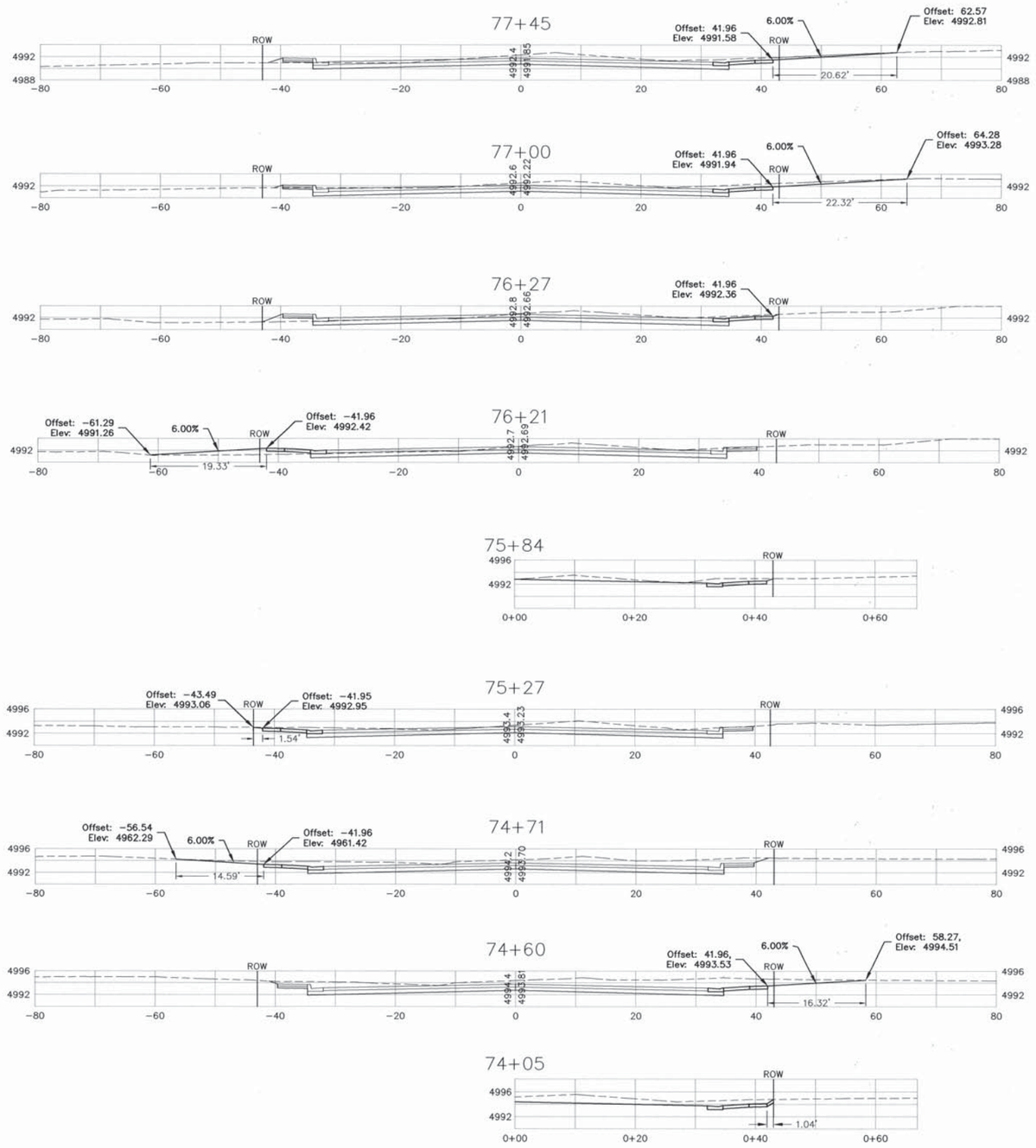

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

DRIVEWAY PROFILES

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 4-12

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION

CONTRACTOR A.S. HARNER DATE
WORK STAKED BY SOUDERMILLER 3-06 DATE
STAKES FOR INSPECTION BY BDPWD 1/09 DATE
FIELD VERIFICATION BY BDPWD 1/09 DATE
DRAWINGS CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL

JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
8/7/07

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	JB	8/1/06
DRAWN BY	RJ	8/1/06
CHECKED BY	NA	8/2/06

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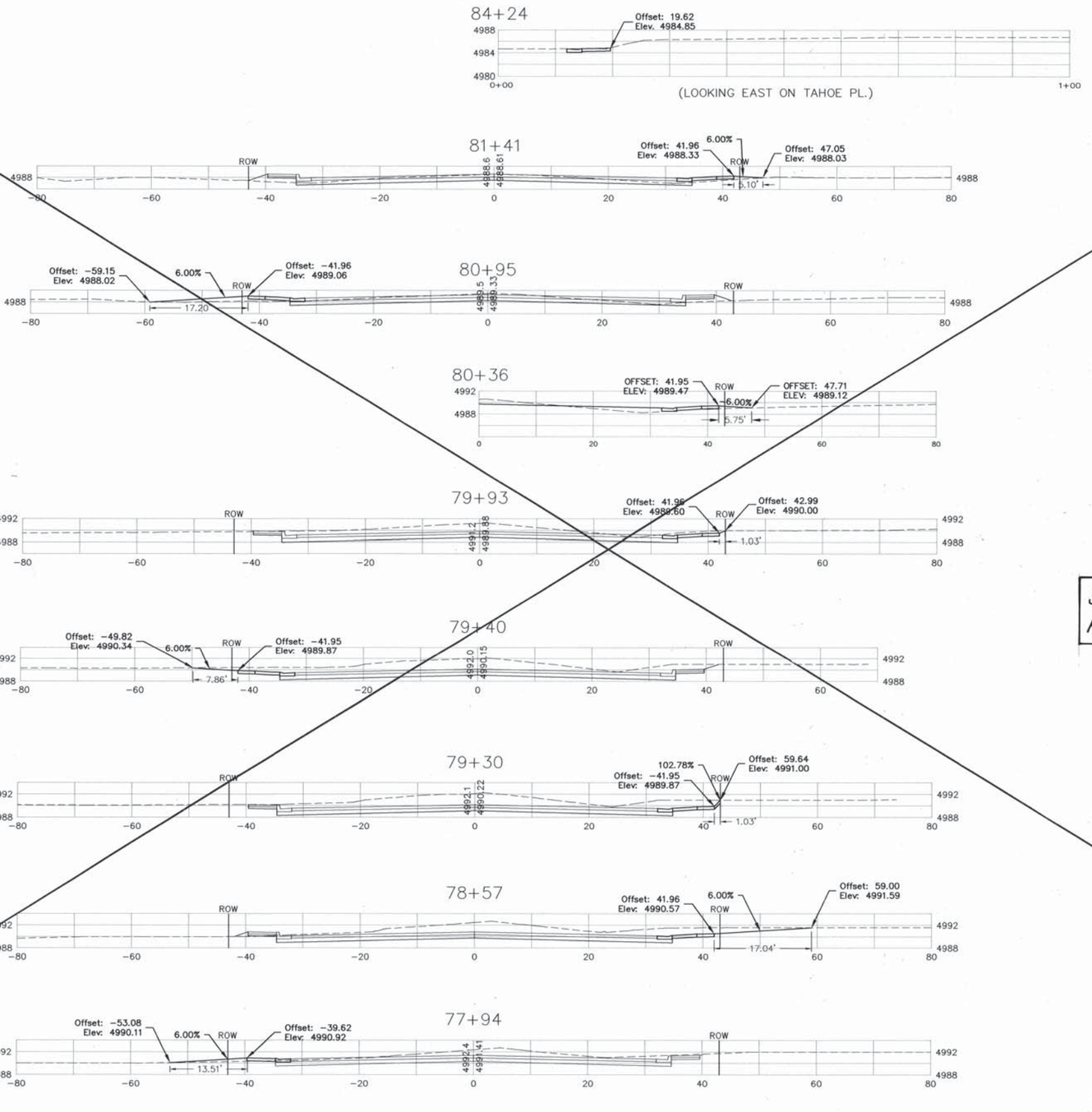

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)

1 inch = 10 ft.

SEE REVISED SHEET 4-13R FOR AS-BUILT INFORMATION

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
DRIVEWAY PROFILES

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	4-13

AS BUILT INFORMATION

CONTRACTOR A.S. Horner DATE

STAKED BY SNIDER MINER & Hall DATE

INSPECTOR'S NOTES PASSED BY B&PWD 1/10 DATE

FIELD VERIFICATION BY B&PWD 1/10 DATE

CORRECTED BY P.B. 5/10 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

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SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCHANAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/1/07

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	JB	8/1/06
DRAWN BY	RJ	8/1/06
CHECKED BY	NA	8/2/06

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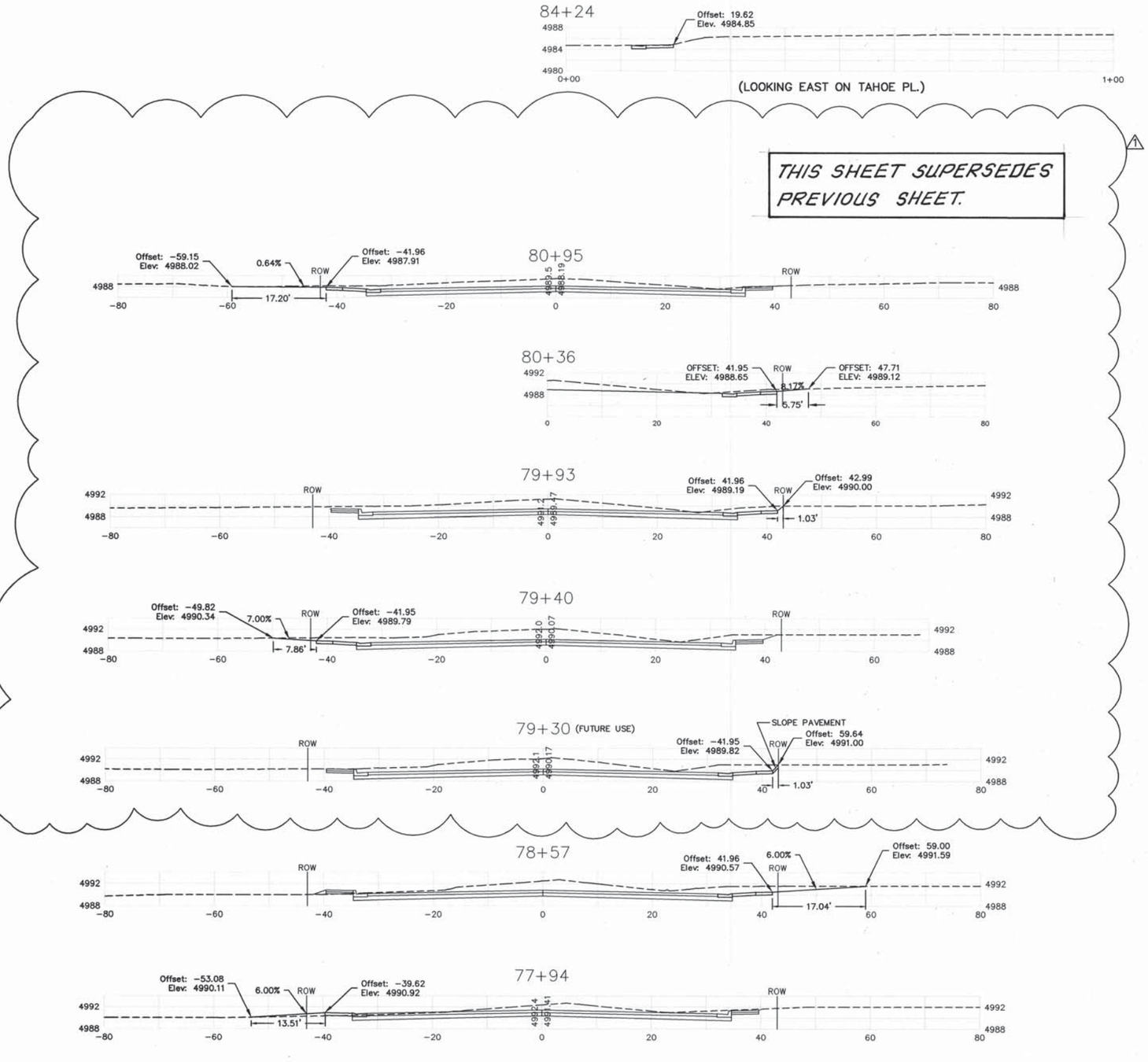

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

DRIVEWAY PROFILES

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	4-13 R

AS BUILT INFORMATION

CONTRACTOR	A.S. HARVER
STAKED BY	SNYDER MILLER 1/08 DATE
INSPECTIONS BY	BCPWD 1/09 DATE
FIELD VERIFICATION BY	BCPWD 1/09 DATE
CORRECTED BY	P.B. 5/09 DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS

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NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	DRIVEWAYS REVISED REMARKS	BY
1	5/08		JB

DESIGN		
DESIGNED BY	JB	DATE 8/1/08
DRAWN BY	RJ	DATE 8/1/08
CHECKED BY	NA	DATE 8/2/08

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CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. PROJECT IS SUBJECT TO THE REQUIREMENTS OF COUNTY ORDINANCE NO. 95-12 AND COUNTY ORDINANCE NO. 96-3. THE CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ALL PERMITS NECESSARY. CONTRACTOR SHALL CALL 848-1504 FOR MORE INFORMATION.

2. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE CITY AND COUNTY TRAFFIC CONTROL ADMINISTRATORS AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF WORK. TRAFFIC CONTROL PLANS SHALL BE PREPARED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION AND BY CERTIFIED PERSONNEL AND MUST BE APPROVED PRIOR TO COMMENCEMENT OF WORK ON THE PROJECT. CALL 848-1504 FOR FURTHER INFORMATION.

3. A DAILY TRAFFIC CONTROL LOG SHALL BE MAINTAINED BY THE CONTRACTOR REFLECTING THE TYPES AND LOCATIONS OF ALL TRAFFIC CONTROL DEVICES, SIGNS, BARRICADES, ETC. BEING USED ON THE PROJECT IN COMPLIANCE WITH THE APPROVED TRAFFIC CONTROL PLAN. THIS LOG SHALL BE SUBMITTED TO THE BERNALILLO COUNTY TRAFFIC CONTROL ADMINISTRATOR UPON COMPLETION OF THE PROJECT CONSTRUCTION OR WHEN SO REQUESTED BY THE PROJECT MANAGER OR THE BERNALILLO COUNTY TRAFFIC CONTROL ADMINISTRATOR.

4. CONTRACTOR SHALL PROVIDE A WEEKLY CONSTRUCTION ACTIVITY SCHEDULE TO BERNALILLO COUNTY PUBLIC WORKS DIVISION ATTN: PROJECT MANAGER

5. THE CONTRACTOR SHALL FILE A WEEKLY WRITTEN REPORT TO THE TRAFFIC CONTROL ADMINISTRATOR DESCRIBING THE TRAFFIC CONTROL PLAN THAT WILL BE IN EFFECT FOR THE FOLLOWING WEEK.

6. SUBJECT TO THE APPROVED TRAFFIC CONTROL PLAN, AT LEAST ONE LANE SHALL BE OPEN TO TRAFFIC AT ALL TIMES. CONTRACTOR SHALL PROVIDE PROPER SIGNAGE AND FLAGMAN AND SHALL MAINTAIN THE TRAFFIC LANE IN SUCH A MANNER AS TO ASSURE PROPER SAFETY TO THE TRAVELING PUBLIC AT ALL TIMES, EXCEPT WHEN GRADING, EXCAVATION AND BACKFILL OPERATIONS ARE BEING CONDUCTED IMMEDIATELY IN FRONT OF PROPERTY, IN WHICH CASE ACCESS WILL NOT BE DENIED FOR MORE THAN 4 HOURS WITHOUT APPROVAL BY THE COUNTY.

7. TRAFFIC LANES PROVIDED DURING CONSTRUCTION SHALL BE MAINTAINED, IN SUCH A CONDITION UNDER ALL WEATHER CONDITIONS, SO AS TO PERMIT THE REASONABLE PASSAGE OF PASSENGER VEHICLES, AND SHALL BE KEPT GRADED AND SMOOTH, AND WATERED SEVERAL TIMES DAILY TO CONTROL DUST. THE CONTRACTOR SHALL KEEP THE TRAVELED WAY PASSABLE AND CLEAR OF ANY STANDING WATER. THIS INCLUDES PUMPING OUT EXCESS WATER THAT COULD DEVELOP FROM HEAVY RAINS OR OTHER SOURCES DURING CONSTRUCTION.

8. TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.

9. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY BERNALILLO COUNTY TRAFFIC ENGINEERING.

10. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF THE COUNTY TRAFFIC CONTROL ADMINISTRATOR, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

11. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP FOR EACH PHASE SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.

12. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.

13. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE IS MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.

14. UNLESS NOTED OTHERWISE IN PLANS, ALL BARRICADES (INCLUDING DRUMS) IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART A DISTANCE MEASURED IN FEET EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY BERNALILLO COUNTY TRAFFIC ENGINEERING PER MUTCD SECTION 6A-4.

15. NOT USED

16. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF BERNALILLO COUNTY TRAFFIC ENGINEERING.

17. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.

18. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.

19. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES EXCEPT FOR OPERATIONS AS NOTED IN NOTE 6.

20. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF BERNALILLO COUNTY TRAFFIC ENGINEERING. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE LETTERING ON BLUE BACKGROUND. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH. THESE SIGNS SHALL BE PAID FOR UNDER ITEM NO. 702000, CONSTRUCTION SIGNING.

21. 48 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.

22. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY BERNALILLO COUNTY TRAFFIC ENGINEERING.

23. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION, EXCEPT AS NOTED IN THESE PLANS. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

24. CONTRACTOR SHALL MAINTAIN ACCESS FROM TRAFFIC LANES TO ALL SIDE STREETS AND DRIVEWAYS ALONG THE PROJECT. CONTRACTOR SHALL CONTACT DRIVEWAY OWNERS 48 HOURS IN ADVANCE TO COORDINATE ALTERNATIVE ACCESS. OPTIONS INCLUDE BUT ARE NOT LIMITED TO HALF-SECTION CONSTRUCTION OR ALTERNATE ENTRANCE/EXIT ROUTE.

25. CONTRACTOR SHALL MAKE PROVISIONS FOR ALL-WEATHER CONDITIONS TO ENSURE THAT DRIVEWAY AND SIDE STREET ACCESS IS MAINTAINED.

26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRANSPORTING CURBSIDE TRASH RECEPTACLES ACROSS WORK ZONES IN ACCORDANCE WITH WASTE MANAGEMENT SCHEDULES IN SUCH A MANNER AS TO PREVENT INTERRUPTION OF SERVICE. THE CONTRACTOR SHALL DETERMINE WHEN TRASH SERVICE OCCURS AND WILL MOVE THE TRASH RECEPTACLES TO THE STREET AND BACK TO THE CURBSIDE AFTER EMPTIED. IF THE CONTRACTOR DOES NOT TRANSPORT THE CONTAINERS WITHIN ENOUGH TIME FOR TRASH PICK-UP, ARRANGEMENTS SHALL BE MADE WITH WASTE MANAGEMENT TO PICK UP SAID TRASH. OTHERWISE, THE CONTRACTOR WILL BE RESPONSIBLE FOR PROPER DISPOSAL OF SAID TRASH AT THE CONTRACTOR'S EXPENSE. THE POINT OF CONTACT FOR WASTE MANAGEMENT IS GEORGE KACKIRSKY (505) 891-6565. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO MEASUREMENT OR PAYMENT SHALL BE MADE THEREFOR.

27. ANY TRAFFIC CONTROL SIGNING ALONG THE OUTSIDE EDGES OF THE TRAFFIC LANES THAT WILL REMAIN IN PLACE FOR THE DURATION OF PHASE II, PHASE III OR BOTH SHALL BE MOUNTED ON STEEL POST AND BASE POST UNLESS PLACEMENT OF THE BASE POST WOULD DAMAGE NEW CONSTRUCTION. ALL OTHER SIGNING SHALL BE PLACED ON PORTABLE SIGN SUPPORT.

28. UNLESS OTHERWISE DIRECTED BY THE PROJECT MANAGER TEMPORARY MESSAGE SIGNS SHALL BE PLACED AT APPROACHES TO THE WORK AREA INCLUDING ON EDITH, CANDELARIA, COMANCHE/GRIEGOS AND MONTANO.

SUGGESTED CONSTRUCTION SEQUENCE

STAGE 1

CONSTRUCT TEMPORARY PAVEMENT AS SHOWN IN PLANS.

STAGE 2

MOVE TRAFFIC TO WESTERN 24' OF EXISTING PAVEMENT/TEMPORARY PAVEMENT (SEE PLANS FOR ALTERNATE TRAFFIC FROM BOP TO 17+00 FOR SEWER UTILITIES WORK)

BUILD NEW UTILITIES IN WORK ZONE ON EDITH AND INDUSTRIAL AVE. EAST.
BUILD NEW TYPICAL SECTION OF EDITH, EAST OF TWO WAY LEFT-TURN LANE.
DO NOT PLACE FINAL LIFT OF NEW PAVEMENT.

BUILD SIDE STREET APPROACHES EAST OF EDITH (IN HALF-SECTIONS).

BUILD NEW TAHOE DRIVE.

CONSTRUCT DRAINAGE PONDS

STAGE 3

MOVE TRAFFIC ONTO NEWLY CONSTRUCTED NORTHBOUND LANES OF EDITH.

BUILD NEW UTILITIES IN WORK ZONE ON EDITH AND INDUSTRIAL AVE. WEST.
SOUTH OF COMANCHE/GRIEGOS, BUILD 12" WATER LINE AND RECONNECT SERVICES BEFORE BUILDING STORM DRAIN.
BUILD NEW EDITH TYPICAL SECTION FROM (AND INCLUDING) TWO-WAY LEFT-TURN LANE WEST. DO NOT PLACE FINAL LIFT OF NEW PAVEMENT.

BUILD SIDE STREET APPROACHES WEST OF EDITH (IN HALF-SECTIONS)

BUILD NEW STORM DRAIN ON HEADINGLY AVE.

BUILD NEW CURBS AND SIDEWALK AT EDITH/TAHOE PLACE INTERSECTION.

STAGE 4

MOVE TRAFFIC ONTO NEW LANES.

ADJUST MANHOLE COVERS TO GRADE AND LAY FINAL LIFT OF NEW PAVEMENT. COMPLETE STRIPING AND SIGNING.

CONSTRUCTION TRAFFIC CONTROL ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
405000	DETOUR PAVEMENT CONSTRUCTION	SQ. YD.	6,510
606610	TEMPORARY CWB RETAINED BY THE CONTRACTOR	LIN. FT.	3,750
606619	RESETTING OF CONRETE WALL BARRIER	LIN. FT.	18,750
618000	TRAFFIC CONTROL MANAGEMENT	L.S.	L.S.
702000	CONSTRUCTION SIGNING	SQ. FT.	1,400
702100	STEEL POSTS AND BASE POSTS FOR CONSTRUCTION SIGNING	LIN. FT.	1,400
702110	PORTABLE SIGN SUPPORT	EACH	82
702238	BARRICADE, TYPE III-8	EACH	20
702525	CHANNELIZATION DEVICES TYPE DRUM	EACH	200
702600	SEQUENTIAL ARROW DISPLAY	EACH	4
702610	PORTABLE CHANGEABLE MESSAGE SIGN*	EACH	6
704100	REMOVABLE MARKING TAPE	LIN. FT.	66,000
720100	SAND BARREL VEHICULAR IMPACT ATTENUATOR UNIT	EACH	10
720110	ATTENUATOR REMOVE AND RESET	EACH	50

TO BE USED AT THE DISCRETION OF THE CONTRACTOR AND CONSTRUCTION PROJECT MANAGER (SEE NOTE 28)

KEYED NOTES:

GENERAL NOTES

AS BUILT INFORMATION
CONTRACTOR A. L. HARKER

BENCH MARKS
ACS 3 3/4" Aluminum disc, stamped "ACS BM, 9-F15", embedded to top of concrete drop inlet, ENE quadrant of Montaño Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES BY: DESERT HILLS DATE 1/09
PLOTTED BY: BC PWD DATE 1/09
FIELD CHECK BY: BC PWD DATE 1/09
CONVERTED BY: P.B. DATE 3/09
MICRO-FILM INFORMATION
SCANNED BY DATE

ENGINEER'S SEAL: JAMES H. BUCKMAN, NEW MEXICO, 13062, REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN DRAFT	
			8/1/06
		DATE	3/4/06
			8/22/06

DESIGNED BY: KVA
DRAWN BY: JSM
CHECKED BY: MR

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TRAFFIC CONTROL – NOTES & QUANTITIES

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15 G-15 | Sheet 6-1

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NMDOT GUIDELINES FOR PAVEMENT DROP–OFF FOR MAINTENANCE AND CONSTRUCTION WORK ZONES (AD 241 – 10/01/05)

CASE I – ACTIVITIES WITHIN THE TRAVEL LANE SUCH AS MILLING OR OVERLAY OPERATIONS.

A MAXIMUM 1.5 IN. VERTICAL DROP–OFF BETWEEN ADJACENT SURFACES WILL BE ALLOWED AT THE CENTERLINE, OR LANE LINES WITHOUT TREATMENT. WHEN THE DROP–OFF IS GREATER THAN 1.5 IN., A FILLET WITH A SLOPE OF 6:1 OR FLATTER SHALL BE PROVIDED DURING NON–WORKING HOURS. THE WORK SHALL BE SCHEDULED TO RESULT IN NOT MORE THAN ONE DAY OPERATION OF EXPOSED LONGITUDINAL JOINT BETWEEN ADJACENT SURFACES.

CASE II – AREAS ADJACENT TO THE EXISTING TRAVEL LANE WITH LATERAL BUFFER ZONES LESS THAN 6 FT. IN WIDTH.

A BUFFER ZONE IS DEFINED AS ANY SMOOTH, TRAVERSABLE SURFACE THAT DOES NOT CONTAIN ANY OBSTRUCTION OR DROP–OFFS.

1) FOR TRAVEL LANE WIDTHS WITHIN CONSTRUCTION/MAINTENANCE WORK ZONES OF 11 FT. OR MORE:

   A) A SLOPE OF 3:1 OR FLATTER SHOULD BE CONSTRUCTED WHENEVER POSSIBLE; HOWEVER, A MAXIMUM 3 IN. DROP–OFF WILL BE ALLOWED WITHOUT ANY SPECIAL TREATMENT. VERTICAL PANELS OR OTHER DELINEATION DEVICES SHALL BE PROVIDED TO DELINEATE THE DROP–OFF.
   B) DROP–OFFS GREATER THAN 3 IN. THAT ARE EXPOSED TO TRAFFIC DURING NON–WORKING HOURS SHALL BE PROTECTED BY A FILLET (3:1 OR FLATTER SLOPES) WITH DELINEATION BY DRUMS, VERTICAL PANELS, OR OTHER DELINEATION DEVICES. IF A FILLET OF 3:1 SLOPE IS NOT ACHIEVABLE, POSITIVE BARRIER (CONCRETE WALL BARRIER OR APPROVED EQUAL) PROTECTION SHOULD BE USED.

FOR TRAVEL LANE WIDTHS WITHIN CONSTRUCTION/MAINTENANCE WORK ZONES OF LESS THAN 11 FT., THE PROCEDURE OUTLINES UNDER EXCEPTIONS WILL APPLY.

CASE III – AREAS ADJACENT TO THE EXISTING TRAVEL LANE WITH BUFFER ZONES 6 FT. OR MORE IN WIDTH.

1) A SLOPE OF 3:1 OR FLATTER SHOULD BE CONSTRUCTED WHENEVER POSSIBLE.

2) IN THOSE CASES WHERE A 3:1 OR FLATTER SLOPE IS NOT POSSIBLE, THE FOLLOWING SHALL APPLY: A) FOR DROP–OFFS LESS THAN 1 FT., VERTICAL PANELS OR OTHER DELINEATION DEVICES SHALL BE USED. FOR DROP–OFFS IN EXCESS OF 1 FT., TYPE "B" DRUMS AT A SPACING APPROVED BY THE DISTRICT TRAFFIC ENGINEER OR DESIGN TEAM SHALL BE USED.

CASE IV – POINT DROP–OFFS SUCH AS DROP INLETS AND CBC ENDS.

WHEN THIS TYPE OF DROP–OFF IS PRESENT, EVERY EFFORT SHOULD BE MADE TO PLACE THE APPROPRIATE PERMANENT NATURE, SUCH AS GUARDRAIL OR INLET GRATES, AS SOON AS POSSIBLE. THE FOLLOWING TEMPORARY MEASURES SHALL APPLY:

1) FOR DROP–OFFS LOCATED 6FT. OR MORE FROM THE TRAVEL LANE, TYPE "B" DRUMS SHALL BE USED TO DELINEATE THE HAZARD.
2) FOR DROP–OFFS LOCATED LESS THAN 6 FT. FROM THE TRAVEL LANE, POSITIVE BARRIER (CONCRETE WALL BARRIER OR APPROVED EQUAL) PROTECTION SHALL BE PROVIDED. TYPE "B" DRUMS MAY BE USED IF THE DROP–OFF WILL BE EXPOSED FOR LESS THAN 24 HOURS.

EXCEPTION

DURING THE DEVELOPMENT OF A TRAFFIC CONTROL PLAN OF A PROJECT, THE DROP–OFFS WILL BE REVIEWED ALONG WITH THE REQUIRED TRAFFIC CONTROL. IF THE CRITERIA SET FORTH IN THIS GUIDELINE CANNOT BE OBTAINED THROUGH REASONABLE AND PRUDENT DESIGN PRACTICES AN EXCEPTION MAY BE GRANTED. THE DESIGN TEAM WITH THE PROJECT DEVELOPMENT ENGINEER (PDE) AS THE LEAD MEMBER SHALL DISCUSS THE SITUATION AND PROVIDE A RECOMMENDED COURSE OF ACTION. THE PDE SHALL INITIATE ACTION FOR THIS TO BE PROCESSED AS A DESIGN EXCEPTION. FOR DISTRICT LEAD PROJECTS, THE DISTRICT TECHNICAL SUPPORT ENGINEER OR ASSISTANT DISTRICT ENGINEER WILL BE THE LEAD MEMBER.

DURING THE CONSTRUCTION PHASE OF A MAINTENANCE OR CONSTRUCTION PROJECT, THE PROJECT MANAGER SHALL CONTACT THE ASSISTANT DISTRICT ENGINEER OVERSEEING THE PROJECT AND DISTRICT TRAFFIC ENGINEER FOR GUIDANCE WHEN THE GUIDELINE CRITERIA CANNOT BE MET. THEY SHALL PROVIDE A RECOMMENDED COURSE OF ACTION ALONG WITH A CHANGE ORDER TO THE APPROPRIATE BUREAU, IF REQUIRED.

KEYED NOTES:

GENERAL NOTES

RECORD DRAWING

PB Parsons Brinckerhoff

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION

CONTRACTOR	A.S. HORNER	
WORK STAKED BY	SNIDER MILLER	1/08 DATE
INSPECTORS FIELD CHANGE BY	B&PWD	1/09 DATE
VERIFICATION BY	B&PWD	1/09 DATE
CORRECTED BY	P. B.	6/10 DATE

MICRO–FILM INFORMATION

RECORDED BY ____ DATE ____
NO. ____

ENGINEER'S SEAL
KAREN ASPELIN NEW MEXICO 13298 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	KA	8/1/06 DATE
DRAWN BY	BM	8/1/06 DATE
CHECKED BY	NA	8/2/06 DATE

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TRAFFIC CONTROL – NOTES & QUANTITIES

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F–15, G–15	6–2

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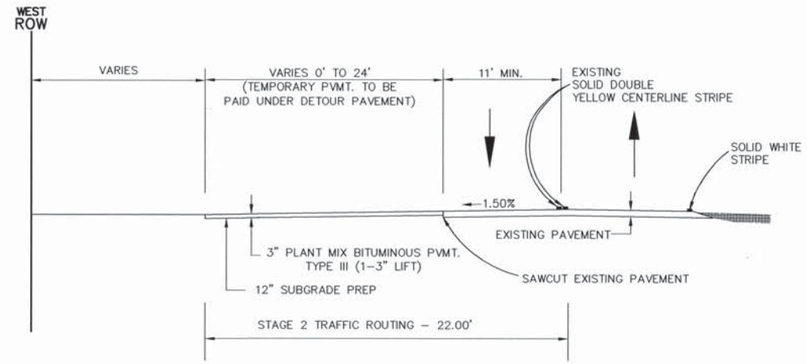
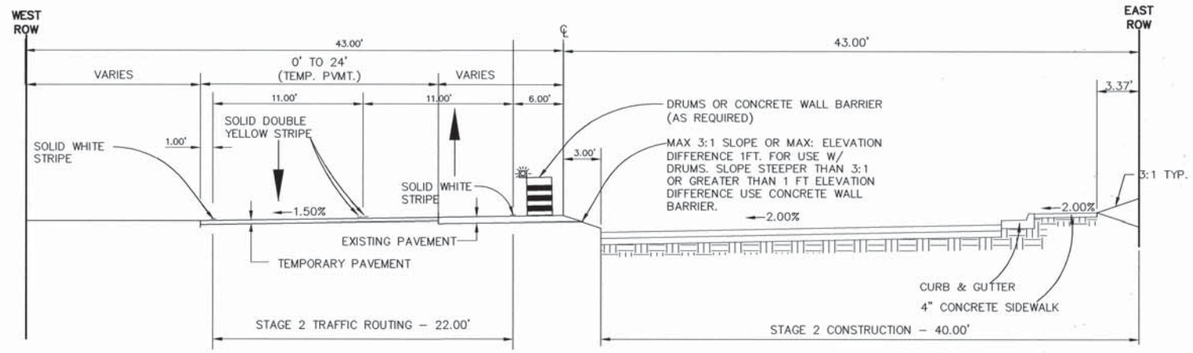
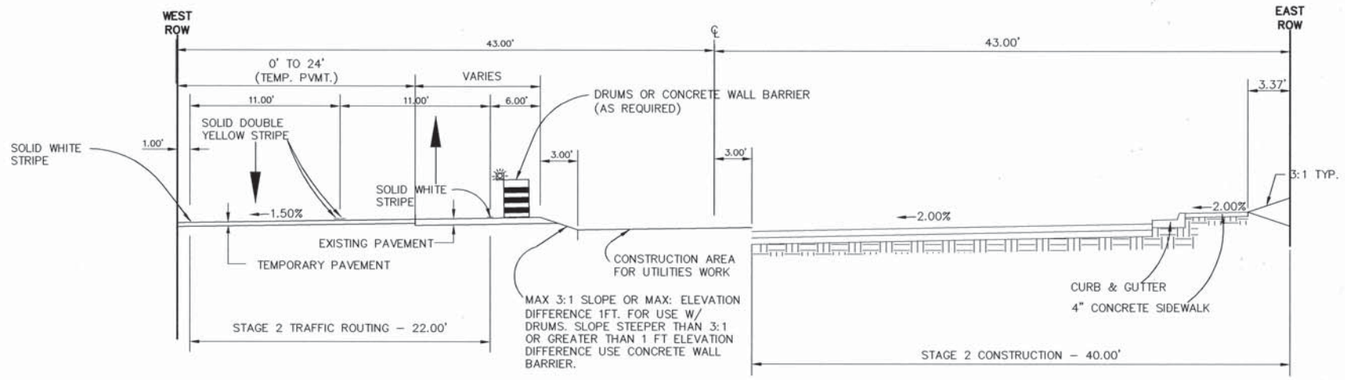


TYPICAL SECTION 1 – EDITH BLVD. STAGE 1 CONSTRUCTION



TYPICAL SECTION 2–1 – EDITH BLVD. STAGE 2–1 CONSTRUCTION



TYPICAL SECTION 2–2 – EDITH BLVD. STAGE 2–2 CONSTRUCTION
STA. 12+75 TO STA. 20+50
STA. 46+00 TO STA. 48+00

KEYED NOTES:

GENERAL NOTES

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TRAFFIC CONTROL – TYPICAL SECTIONS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	6-3

AS BUILT INFORMATION

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet. ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

CONTRACTOR	A.S. HORNER	DATE
WORK STAKED BY	SNYDER MILLER	1/06 DATE
INSPECTION PERFORMED BY	B&PWD	1/06 DATE
FIELD CHANGES BY	B&PWD	1/06 DATE
VERIFICATION BY	P.B.	5/06 DATE
PLANS CORRECTED BY	P.B.	5/06 DATE

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES
BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BRACKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY KA	DATE 8/1/06
		DRAWN BY BM	DATE 8/1/06
		CHECKED BY NA	DATE 8/2/06

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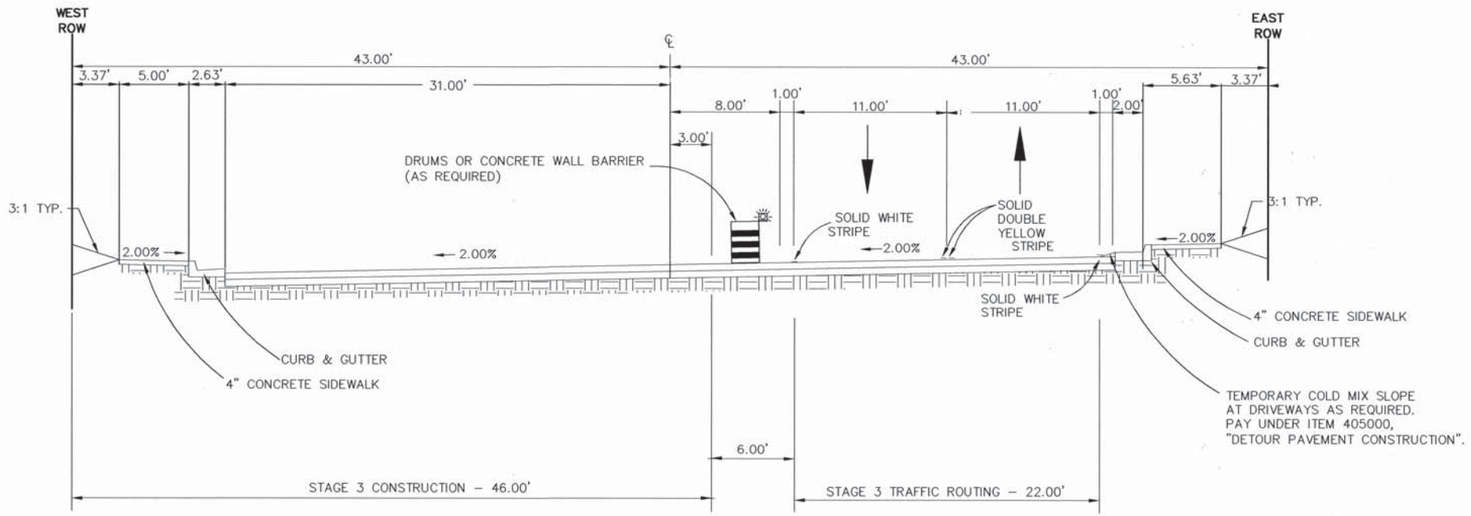
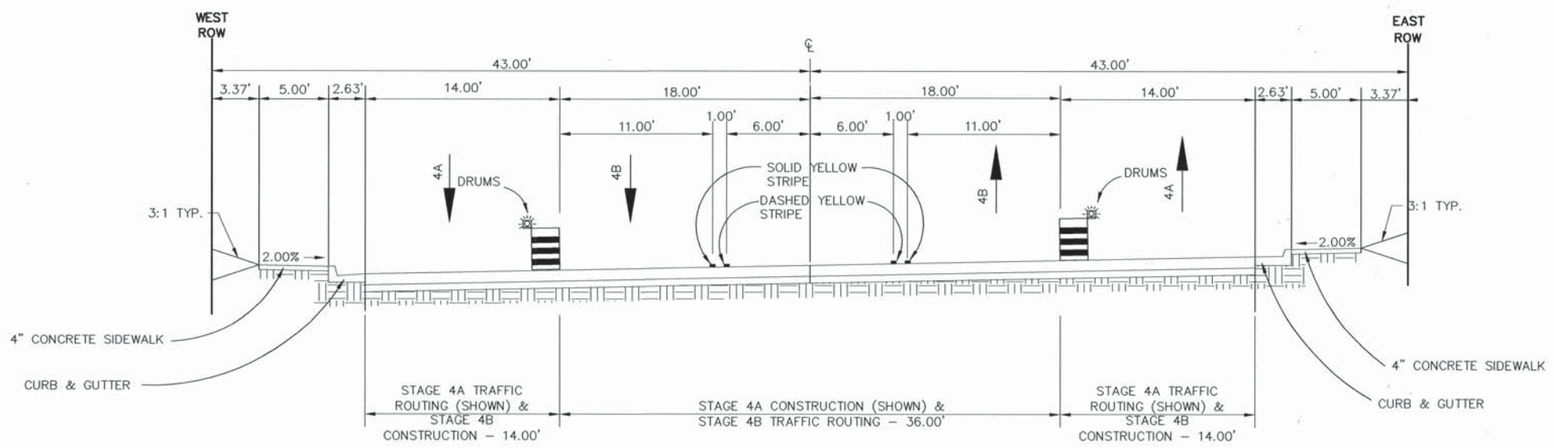


TYPICAL SECTION 3 – EDITH BLVD. STAGE 3 CONSTRUCTION



TYPICAL SECTION 4 – EDITH BLVD. STAGE 4 CONSTRUCTION

KEYED NOTES:

GENERAL NOTES

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

TRAFFIC CONTROL – TYPICAL SECTIONS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	6-4

AS BUILT INFORMATION

CONTRACTOR	A.S. HORNER	DATE
WORK STAKED BY	SNYDER MILLER 1/08	DATE
INSPECTION & ACCEPTANCE BY	B&PWD 1/09	DATE
FIELD VERIFICATION BY	B&PWD 1/09	DATE
DRAWINGS CORRECTED BY	P.B. 5/09	DATE

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY KA	DATE 8/1/06
		DRAWN BY BM	DATE 8/1/06
		CHECKED BY NA	DATE 8/2/06

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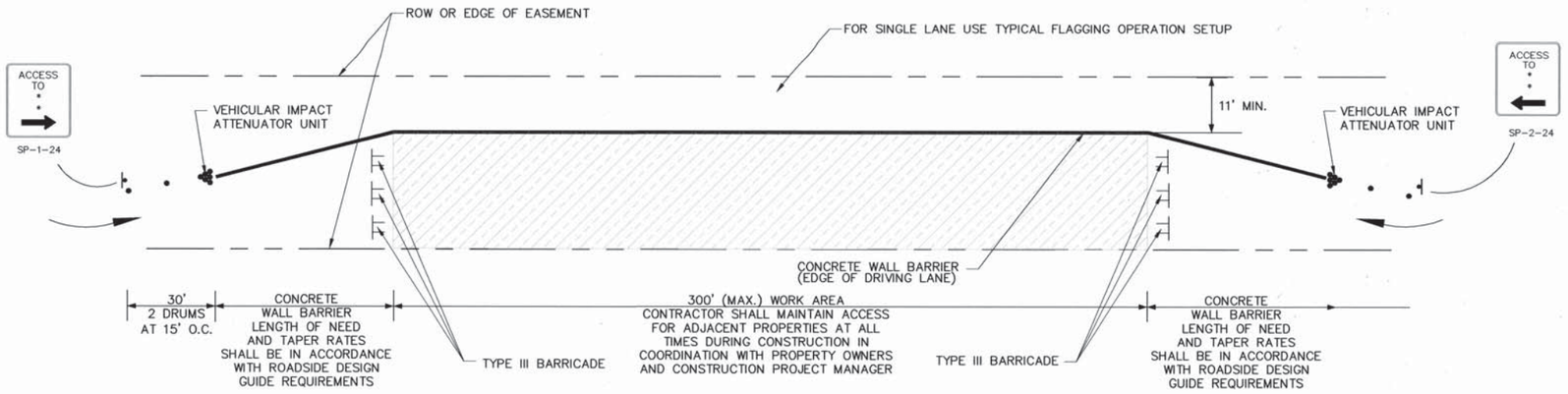
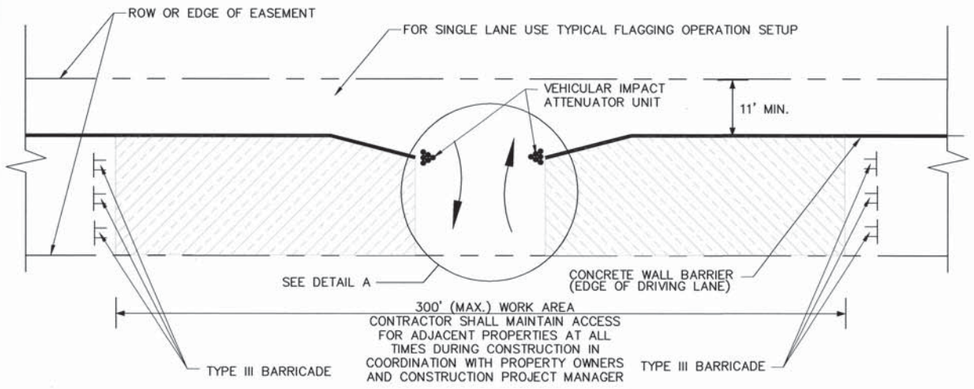
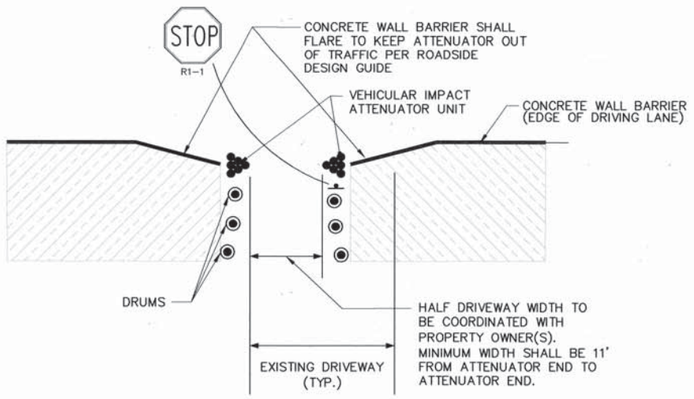


TYPICAL WORK AREA FOR ROADWAY CLOSURE FOR UTILITIES WORK



TYPICAL MID-WORK AREA FOR ACCESS TO PROPERTIES



DETAIL A

KEYED NOTES:

GENERAL NOTES

RECORD DRAWING

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNIDER MILLER 1/06 DATE
INSPECTOR'S FIELD NOTES BY BCPWD 1/06 DATE
FIELD CHANGES BY BCPWD 1/06 DATE
VERIFICATION BY BCPWD 5/06 DATE
DRAWINGS CORRECTED BY P.B. 5/06 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
KAREN ASPELIN NEW MEXICO 13293 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY KA	DATE 8/1/06
		DRAWN BY BM	DATE 8/1/06
		CHECKED BY NA	DATE 8/2/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TRAFFIC CONTROL – DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	6-5

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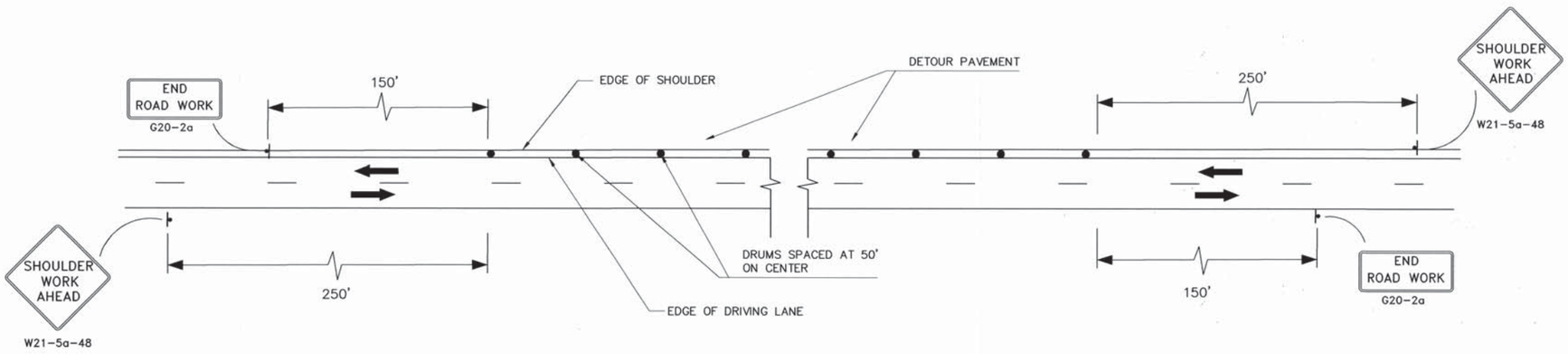
EXAMPLE DRUM SETUP AND SIGNING FOR STAGE 1 DETOUR PAVEMENT PLACEMENT (N.T.S.)



GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

GENERAL NOTES

RECORD DRAWING

LEGEND

- TRAFFIC DRUMS AT 50' O.C. (UNLESS OTHERWISE NOTED)
- TT TYPE III BARRICADE
- CONSTRUCTION SIGN
- TRAFFIC FLOW
- FLAGGER
- STAGE 1 CONSTRUCTION (INSTALL TEMPORARY PAVEMENT)
- STAGE 2 CONSTRUCTION (BUILD NEW NB LANES)
- STAGE 3 CONSTRUCTION (BUILD NEW SB LANES & TWLTL)

PB Parsons Brinckerhoff

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNIDER MILLER 1/06 DATE
INSPECTION & FIELD ANCE BY BCPWD 1/07 DATE
VERIFICATION BY BCPWD 1/07 DATE
CORRECTIONS BY P.B. 5/07 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
KAREN ASPELIN
NEW MEXICO
13293
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	KA	8/1/06 DATE
DRAWN BY	BM	8/1/06 DATE
CHECKED BY	NA	8/2/06 DATE

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

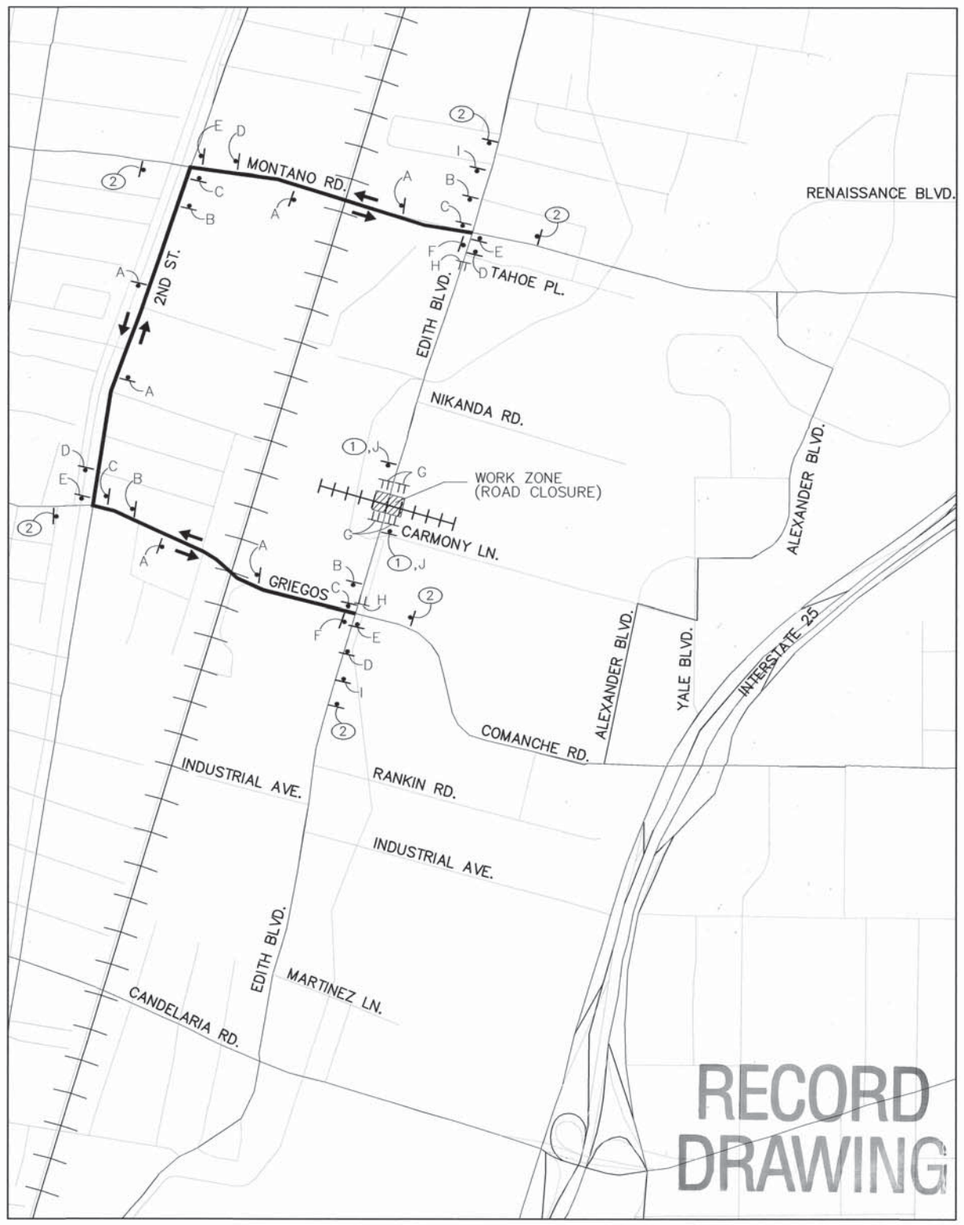
EDITH BLVD. RECONSTRUCTION
TRAFFIC CONTROL STAGE 1 TYPICAL LAYOUT

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	6-6

SIGNING LEGEND

A.	DETOUR	M4-8-30 B/FO, 30"x15" M6-3-21 B/FO, 21"x15"	NOTE: ASSEMBLY "A" SHALL BE PLACED AT LEAST 200' FROM INTERSECTION (TYPCIAL)
B.	DETOUR	M5-1R-21 B/FO, 21"x15"	NOTE: ASSEMBLY "B" SHALL BE PLACED APPROXIMATELY 400' FROM INTERSECTION APPROACH (TYPCIAL)
C.	DETOUR	M6-1R-21 B/FO, 21"x15"	NOTE: ASSEMBLY "C" SHALL BE PLACED NEAR INTERSECTION APPROACH(TYPCIAL)
D.	DETOUR	M5-1L-21 B/FO, 21"x15"	NOTE: ASSEMBLY "D" SHALL BE PLACED APPROXIMATELY 400' FROM INTERSECTION APPROACH (TYPCIAL)
E.	DETOUR	M6-1L-21 B/FO, 21"x15"	NOTE: ASSEMBLY "E" SHALL BE PLACED NEAR INTERSECTION APPROACH (TYPCIAL)
F.	END DETOUR	M4-8a-24 B/FO, 24"x18"	
G.	ROAD CLOSED	R11-2-48 B/W, 48"x30"	
H.	ROAD CLOSED TO THRU TRAFFIC	R11-4-60 B/W, 60"x30"	
I.	DETOUR AHEAD	W20-2-36-AHEAD B/FO, 36"x36"	ADVANCED WARNING SIGNS ON EDITH BLVD SHALL BE SPACED 100' APART (MIN.)
J.	ROAD CLOSED AHEAD	W20-3a-36 B/FO, 36"x36"	ADVANCED WARNING SIGNS ON EDITH BLVD SHALL BE SPACED 100' APART (MIN.)



RAILROAD CROSSING DETOUR PLAN

NOT TO SCALE

KEYED NOTES:

(1) PLACE VARIABLE MESSAGE SIGN (ADVANCE SETUP). BOARDS SHALL BE PLACED NEAR THE CLOSURE LOCATION, IN EACH DIRECTION OF TRAVEL A MINIMUM OF ONE (1) WEEK PRIOR TO THE CLOSURE DATE.

MESSAGE: XX/XX/07 TO XX/XX/07 – EDITH BL WILL BE CLOSED – AT RAILROAD CROSSING

(2) PLACE VARIABLE MESSAGE SIGN (PLACEMENT DURING THE PERIOD OF CLOSURE).

MESSAGE: EDITH BL CLOSED – NORTH OF GRIEGOS – FOLLOW 2ND ST DETOUR

VARIABLE MESSAGES SHALL BE APPROVED BY THE PROJECT MANAGER PRIOR TO SIGN PLACEMENT.

GENERAL NOTES

1. DETOUR PLAN IS SPECIFIC TO WORK REQUIRED AT THE RAILROAD CROSSING OF EDITH BLVD. NORTH OF CARMONY LANE. RAILROAD WORK TO BE PERFORMED BY OTHERS. THE CONTRACTOR SHALL COORDINATE SCHEDULE FOR CLOSURE WITH THE RAILROAD CONTRACTOR.
2. THE MAXIMUM ALLOWABLE CLOSURE PERIOD SHALL BE FOR ONE WEEKEND BETWEEN THE HOURS OF 9:00 PM FRIDAY EVENING THROUGH 5:00 AM MONDAY MORNING. CLOSURE MUST BE APPROVED BY THE PROJECT MANAGER PRIOR TO WORK.
3. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS ON EDITH BLVD. DURING CLOSURE.

LEGEND

- • TRAFFIC DRUMS AT 50' O.C. (UNLESS OTHERWISE NOTED)
- TT BARRICADE
- CONSTRUCTION SIGN
- → TRAFFIC FLOW
- FLAGGER

AS BUILT INFORMATION

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

CONTRACTOR A.S. HANNER 1/08 DATE
WORK LAYOUT BY SAUER MILLER 1/08 DATE
INSPECTOR'S ACCEPTANCE BY BCPWD 1/09 DATE
FIELD VERIFICATION BY BCPWD 1/09 DATE
AS BUILTS BY BCPWD 1/09 DATE
CORRECTED BY P.B. 5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

ENGINEER'S SEAL

JAMES H. BRICKMAN, NEW MEXICO, 13062, REGISTERED PROFESSIONAL ENGINEER, 9/17/07

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	RA	8/15/07 DATE
DRAWN BY	RA	8/15/07 DATE
CHECKED BY	KEA	8/16/07 DATE

PB Parsons Brinckerhoff

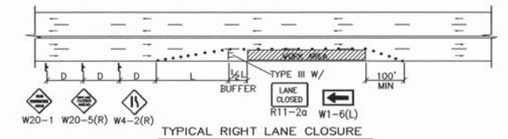
COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

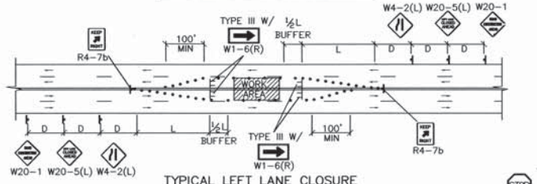
RAILROAD CROSSING DETOUR PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

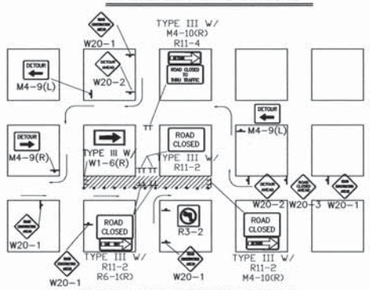
City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	6-7



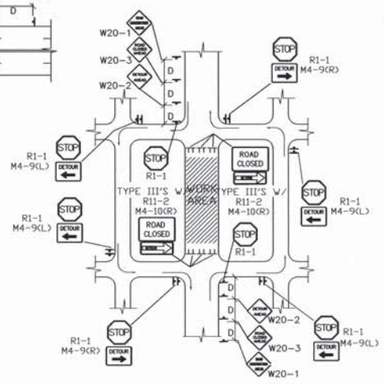
TYPICAL RIGHT LANE CLOSURE



TYPICAL LEFT LANE CLOSURE

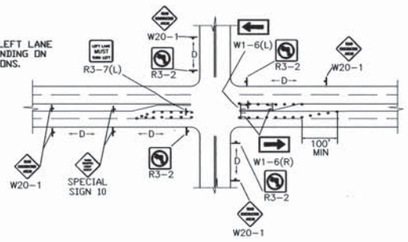


TYPICAL ONE DIRECTION DETOUR



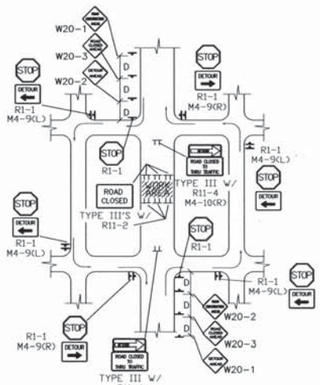
TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.



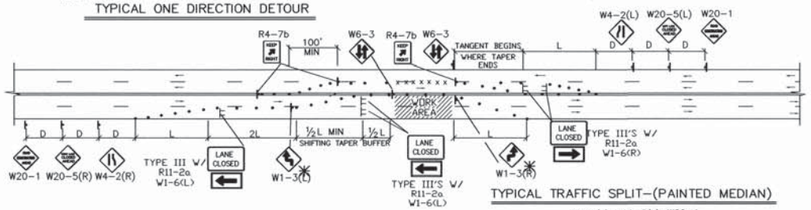
TYPICAL LANE CLOSURE AT INTERSECTION

NOTE: DEPENDING ON WORK ZONE LOCATION.

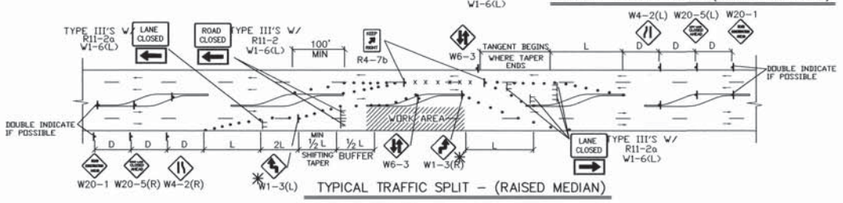


TYPICAL MID-BLOCK CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.



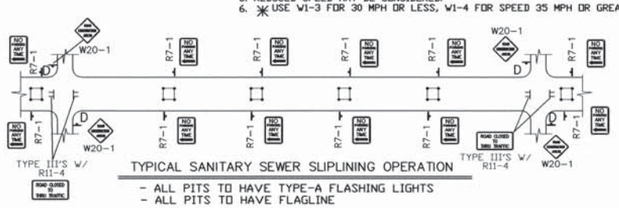
TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)



TYPICAL TRAFFIC SPLIT – (RAISED MEDIAN)

TRAFFIC SPLIT NOTES:

1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
2. 1/2 L IS THE MINIMUM DISTANCE FOR SHIFTING TAPERS.
3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
4. MEDIAN REMOVAL SHALL BE REQUIRED IF 1/2 L OR REVERSE CURVE IS NOT SUFFICIENT. MEDIAN REMOVAL SHALL TAKE PLACE BEFORE SPLITS.
5. REDUCED SPEED MAY BE CONSIDERED.
6. ✱ USE W1-3 FOR 30 MPH OR LESS, W1-4 FOR SPEED 35 MPH OR GREATER.



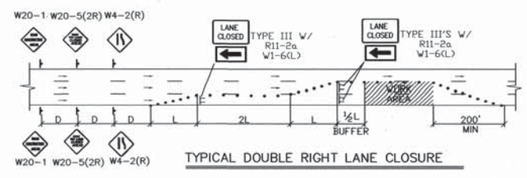
TYPICAL SANITARY SEWER SLIPLINING OPERATION

- ALL PITS TO HAVE TYPE-A FLASHING LIGHTS
- ALL PITS TO HAVE FLAGLINE

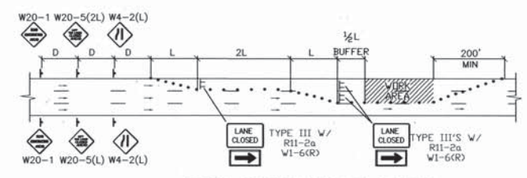
GENERAL NOTE:

ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

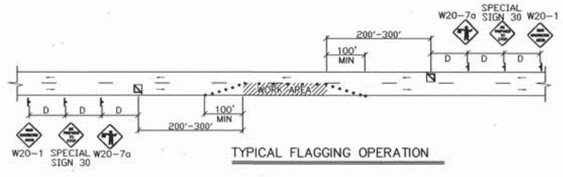
⚠ ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF 36" THIRTY SIX INCHES BY 36" THIRTY SIX INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.



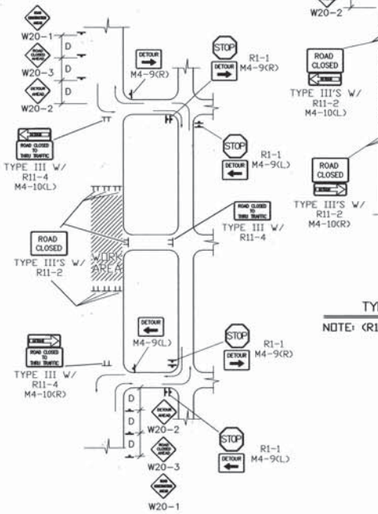
TYPICAL DOUBLE RIGHT LANE CLOSURE



TYPICAL DOUBLE LEFT LANE CLOSURE

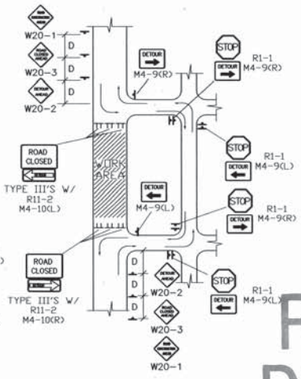


TYPICAL FLAGGING OPERATION



TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.



TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.

RECORD DRAWING

AS BUILT INFORMATION	
CONTRACTOR	A.S. HORNER
WORK STAKED BY	SNIDER MILLER INC. DATE
INSPECTOR'S FIELD NOTES	BY BCPWD 3/09 DATE
VERIFICATION BY	BCPWD 3/09 DATE
FIELD MARKUP BY	P.B. 3/09 DATE
CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS	
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'	

SURVEY INFORMATION	
FIELD NOTES	
NO.	BY DATE

ENGINEER'S SEAL: KAREN ASPELUND, NEW MEXICO, 12827, REGISTERED PROFESSIONAL ENGINEER, CITY OF ALBUQUERQUE

NO.	DATE	REMARKS	BY
		DESIGN	DATE
		DESIGNED BY	DATE
		DRAWN BY	DATE
		CHECKED BY	DATE

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TYPICAL TRAFFIC CONTROL (REF MUTCD)

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	6-8

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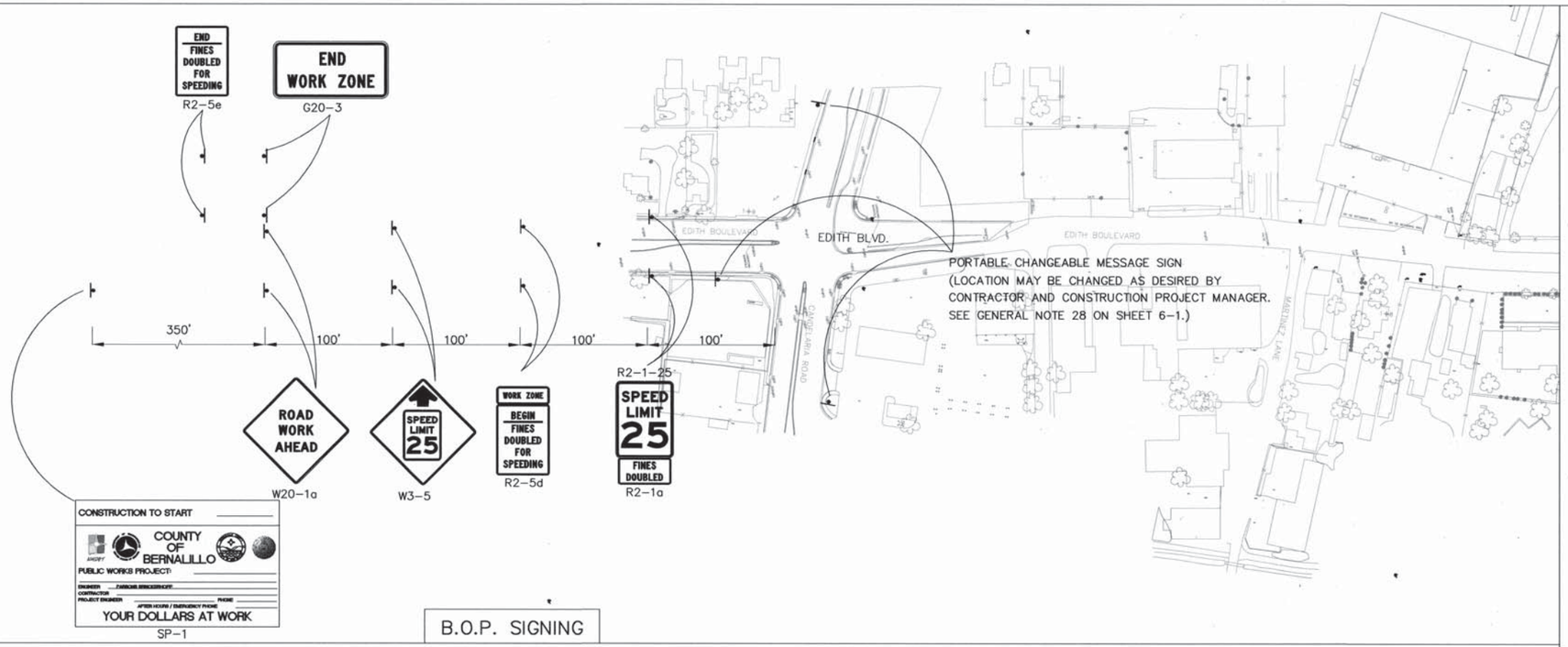
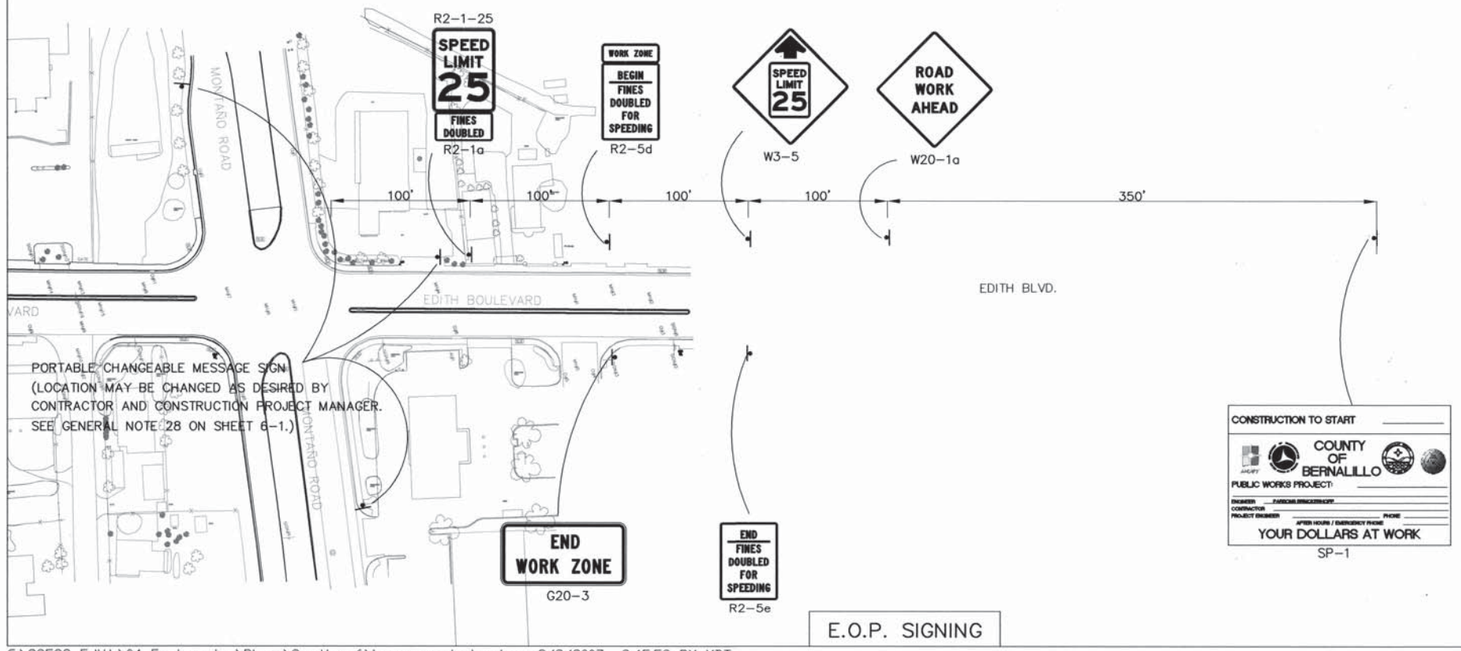


B.O.P. SIGNING



E.O.P. SIGNING

NOTES:

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TRAFFIC CONTROL PLAN – BOP & EOP SIGNING

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	6-9

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER
WORK STAKED BY SNYDER MILLER 1/08 DATE
INSPECTOR'S FIELD CHANGE BY BKPWD 1/09 DATE
FIELD CHANGE BY BKPWD 1/09 DATE
VERIFICATION BY BKPWD 1/09 DATE
FINAL MARKUP CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
KAREN ASPELIN
NEW MEXICO
13293
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

DESIGNED BY DATE
DRAWN BY DATE
CHECKED BY DATE

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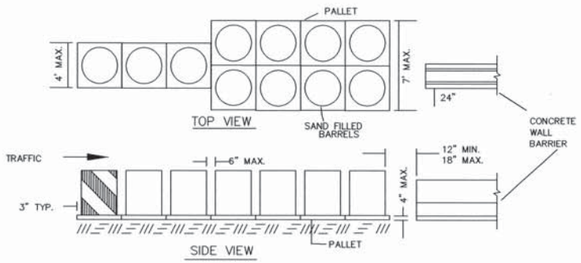
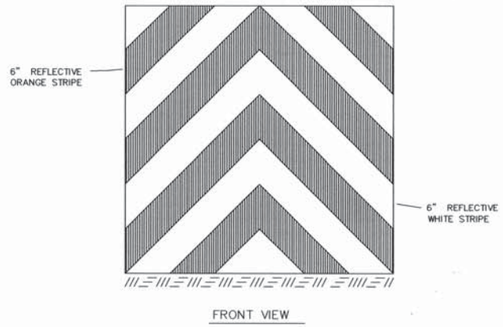
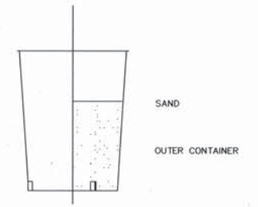


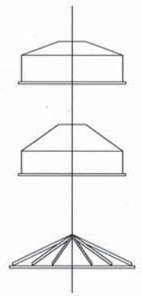
TYPICAL PALLET DETAIL–PYRAMID ARRAY

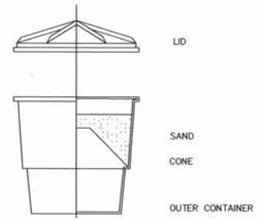


TYPICAL DELINEATION FOR INITIAL SAND BARRRELS IN ALL ARRAYS

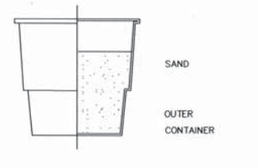


TYPICAL ASSEMBLY
(2100 lb. MODULE)





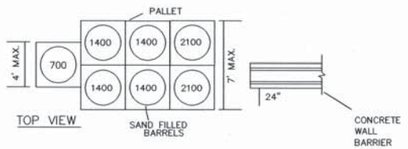
TYPICAL ASSEMBLY
(400 lb./700 lb. MODULE)



TYPICAL ASSEMBLY
(1400 lb. MODULE)

NOTES:

1. ALL ASSEMBLY, TRANSPORTATION TO SITE, ERECTION OF THE INDIVIDUAL MODULES AND THE CRASH CUSHION AS A WHOLE SHALL BE DONE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
2. THE COLOR OF THE MODULES IN AN INDIVIDUAL CRASH CUSHION SHALL BE GRAY OR YELLOW UNLESS OTHERWISE SPECIFIED.
3. SAND SHALL BE CLEAN, DRY GRANULAR SAND.



PALLET DETAIL–THIS PROJECT

WEIGHT OF SAND		HEIGHT OF CONE		MODULE DIAMETER	MODULE HEIGHT	
LBS.		INS.		INS.	INS.	
200		12.6"		35.7" TOP 27.3" BOTTOM	36.2"	
400		18"		"	"	
700		8.0"		"	"	
1400		----		"	"	
2100		----		35.7" TOP 30.25" BOTTOM	45.50"	

NOTES:

1. REFLECTIVE SHEETING FOR INITIAL SAND BARRELS SHALL COMPLY WITH SECTION 701.026, TYPE 3A, OF THE NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY & BRIDGE CONSTRUCTION & SHOULD BE SLOPING DOWNWARD AT AN ANGLE OF 45 DEGREES IN THE DIRECTION TRAFFIC IS TO PASS.
2. PALLETS MAY BE OF WOOD, STEEL OR COMPOSITE CONSTRUCTION NOT TO EXCEED 4" IN HEIGHT.
3. LATERAL DIMENSIONS OF THE PALLETS SHALL PERMIT SPACING OF THE SAND BARRELS AS SHOWN AT LEFT.
4. NO MORE THAN TWO (2) SAND BARRELS SHALL BE PLACED ON EACH PALLET.
5. PALLETS SHALL HAVE STOPS OR RESTRAINERS TO PREVENT LATERAL SHIFTING OF INDIVIDUAL SAND BARRELS.
6. SHOP DRAWINGS OF PALLETS SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO FABRICATION FOR APPROVAL.
7. SAND BARREL CRASH CUSHION IS TO BE ANGLED AT 5° TOWARD TRAFFIC.
8. RESETTING OF THE SAND BARREL VEHICULAR IMPACT ATTENUATOR SHALL BE INCIDENTAL TO THE RESETTING OF CONCRETE WALL BARRIER, THEREFORE NO ADDITIONAL PAYMENT WILL BE MADE.
9. PRIOR TO PLACEMENT, THE CONTRACTOR SHALL AFFIX A LABEL TO EACH BARREL. THE LABEL SHALL CLEARLY IDENTIFY THE BARREL'S WEIGHT. THIS SHOULD ALLOW THE BARRELS TO BE PROPERLY REPOSITIONED WHENEVER THE CRASH CUSHION IS RELOCATED.
10. RELOCATING SAND BARREL CRASH CUSHION, AS SHOWN IN THE PLANS OR AS DIRECTED BY THE PROJECT MANAGER, SHALL BE CONSIDERED INCIDENTAL TO THE ITEM NUMBER 720100 – SAND BARREL VEHICULAR IMPACT ATTENUATOR AND NO ADDITIONAL PAYMENTS WILL BE MADE.

RECORD DRAWING

AS BUILT INFORMATION

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

CONTRACTOR A.S. HORNER DATE
WORK STAKED BY SOUDER MILLER & ASSOC. 3/09 DATE
INSPECTIONS FIELD CHANGES BY BCPWD 3/09 DATE
VERIFICATION BY BCPWD 3/09 DATE
CORRECTED BY P. B. 5/09 DATE

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES
BY DATE
NO.

ENGINEER'S SEAL
KAREN ASPELIN NEW MEXICO 13293 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

DESIGN
DESIGNED BY DATE
DRAWN BY DATE
CHECKED BY DATE

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
IMPACT ATTENUATOR

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No. 785181 | Zone Map No. F–15, G–15 | Sheet 6–10

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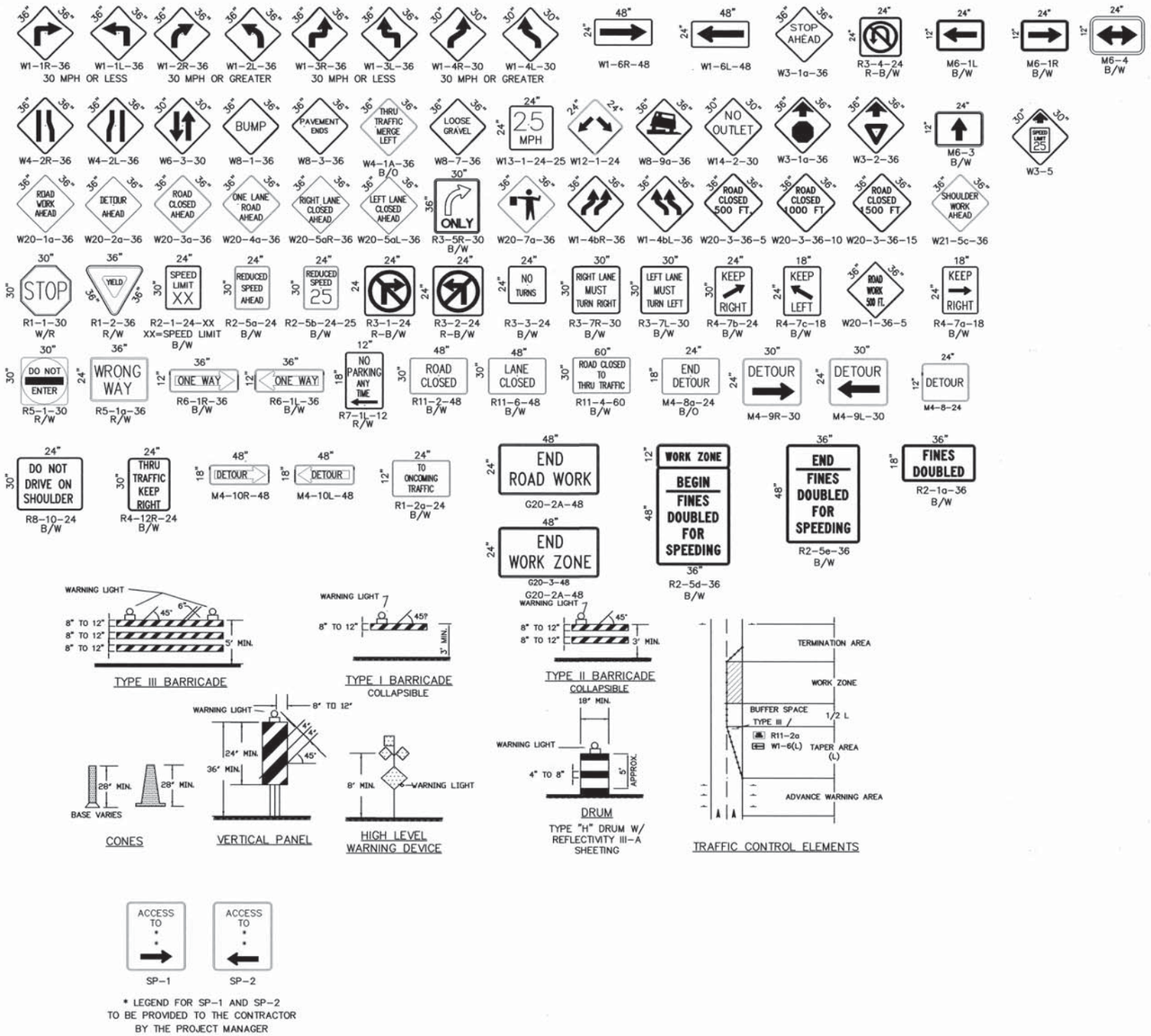
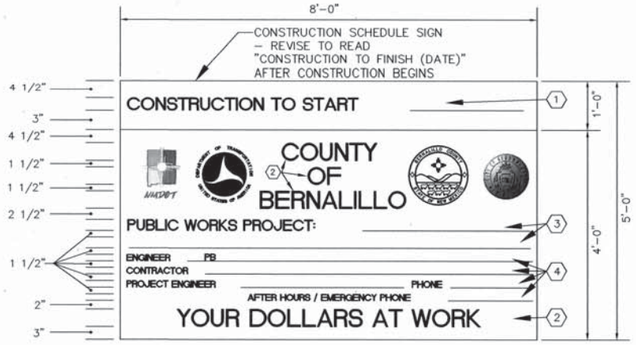
SIGN FACE DETAILS

ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.



* LEGEND FOR SP-1 AND SP-2 TO BE PROVIDED TO THE CONTRACTOR BY THE PROJECT MANAGER



SP-3

LEGEND

TEXT KEY NUMBER	1	2	3	4
TEXT COLOR	BLACK	BLACK	BLACK	BLACK
TEXT HEIGHT	3"	4"	2 1/2"	1 1/2"
FHWA STANDARD SERIES	C	E	C	C
STROKE WIDTH (IF PAINTED)	1/2"	69"	13/32"	1/4"

(SIGN SHALL HAVE A WHITE BACKGROUND)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION
CONTRACTOR AS: HORNER
WORK OBSERVED BY: SANDER MILLER 3/08 DATE
INSPECTORS FIELD CHANGES BY: BLPWD 1/09 DATE
FIELD VERIFICATION BY: BLPWD 1/09 DATE
AS BUILTS CORRECTED BY: P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
KAREN ASPEITIA NEW MEXICO 12985 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

DESIGN
DESIGNED BY DATE
DRAWN BY DATE
CHECKED BY DATE

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
SIGNING & TRAFFIC CONTROL STANDARDS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	6-11

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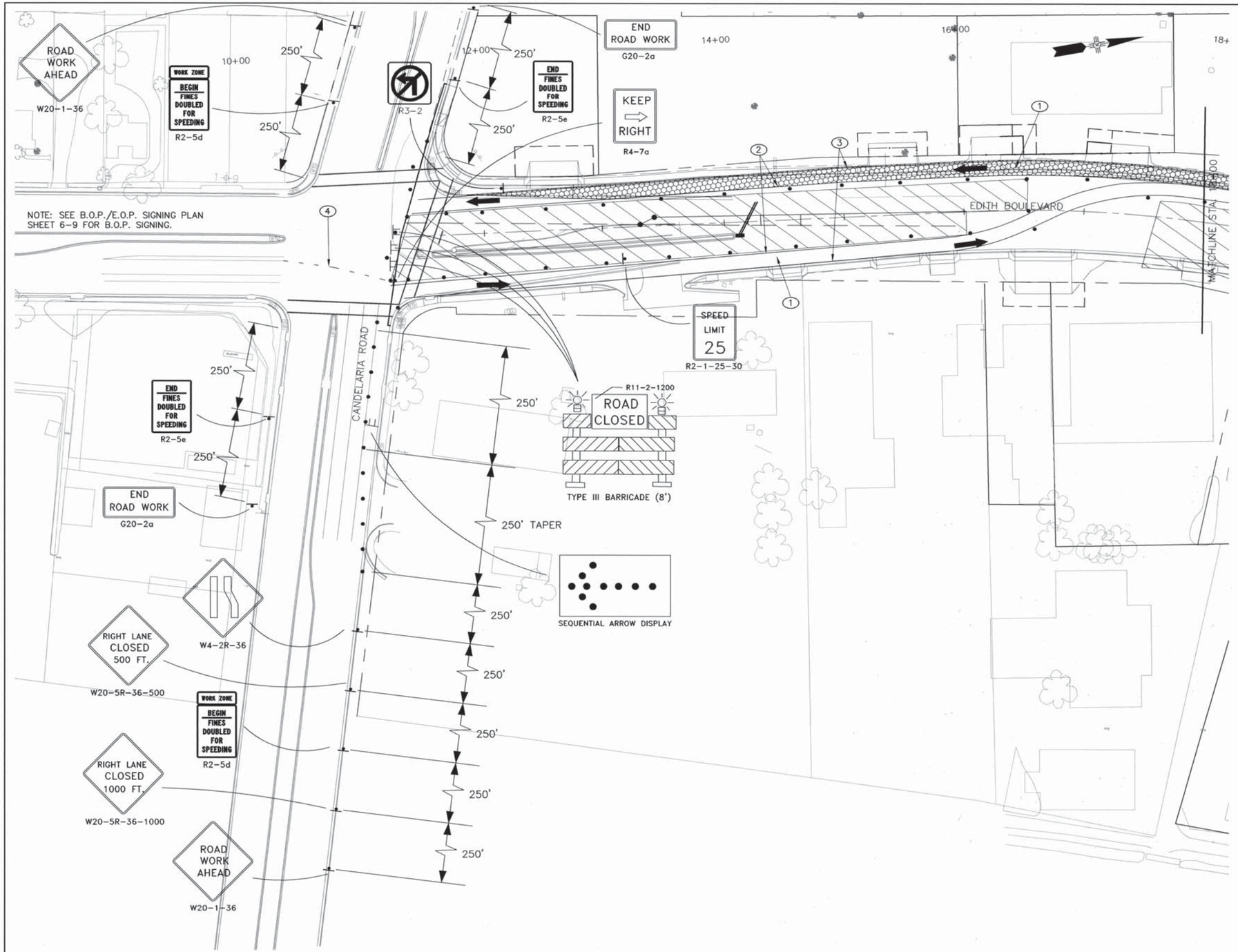

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

1. DETOUR PAVEMENT (TO BE PLACED UNDER STAGE 1)
2. TEMPORARY DOUBLE YELLOW STRIPE
3. TEMPORARY SINGLE WHITE STRIPE
4. TEMPORARY DASHED WHITE STRIPE

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS AND CONSTRUCTION PROJECT MANAGER TO ENSURE ACCESS FOR ALL DRIVEWAYS ON EDITH BLVD.
2. STAGE 2 CONSTRUCTION SHALL BEGIN WITH THIS CONFIGURATION FROM CANDELARIA TO STATION 17+00. WHEN UTILITIES, MEDIAN AND PAVEMENT WORK SHOWN ARE COMPLETED, THE CONFIGURATION SHALL BE CHANGED TO THAT SHOWN ON SHEET 6-13.

RECORD DRAWING

LEGEND

- TRAFFIC DRUMS AT 50' O.C. (UNLESS OTHERWISE NOTED)
- TT BARRICADE
- CONSTRUCTION SIGN
- TRAFFIC FLOW
- FLAGGER
- STAGE 1 CONSTRUCTION (INSTALL TEMPORARY PAVEMENT)
- STAGE 2 CONSTRUCTION (BUILD NEW NB LANES)
- STAGE 3 CONSTRUCTION (BUILD NEW SB LANES & TWLTL)

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER DATE 1/08
WORK STAKED BY SNIDER MILLER DATE 1/08
INSPECTION BY BDPWD DATE 1/09
FIELD CHANGES BY BDPWD DATE 1/09
VERIFICATION BY BDPWD DATE 1/09
DRAWINGS CORRECTED BY P.B. DATE 5/09
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES BY DATE
NO.

ENGINEER'S SEAL

KAREN ASPELIN NEW MEXICO 13293 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY KA	DATE 8/1/06
		DRAWN BY BM	DATE 8/1/06
		CHECKED BY NA	DATE 8/2/06

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TRAFFIC CONTROL DRAWINGS STAGES 1 & 2

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 6-12

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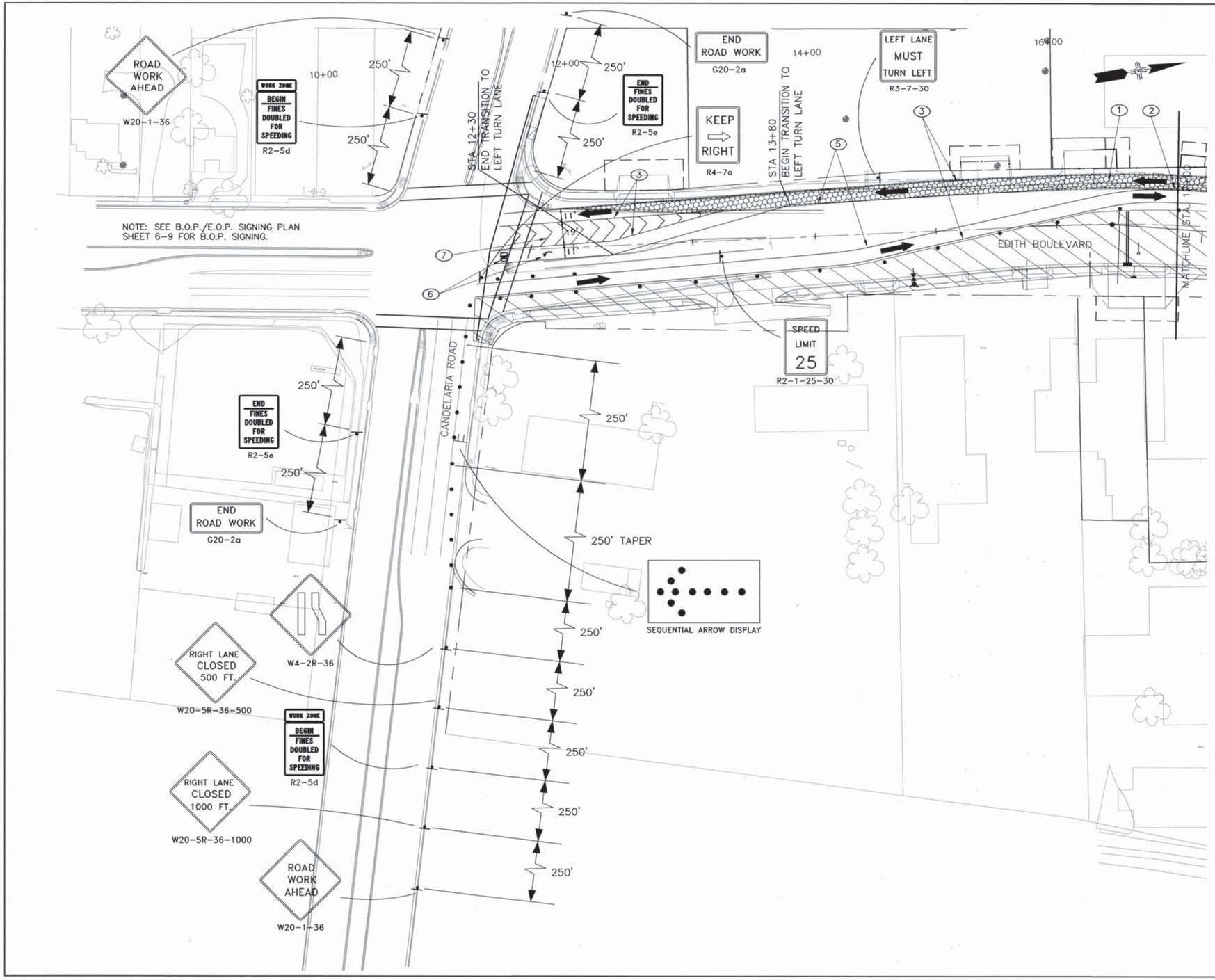

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

1. DETOUR PAVEMENT (TO BE PLACED UNDER STAGE 1)
2. TEMPORARY DOUBLE YELLOW STRIPE
3. TEMPORARY SINGLE WHITE STRIPE
4. TEMPORARY DASHED WHITE STRIPE
5. TEMPORARY SINGLE YELLOW STRIPE
6. TEMPORARY WHITE PAINTED PAVEMENT MARKING (SYMBOL AS SHOWN ON PLANS)
7. TEMPORARY 8" WHITE STRIPE

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS AND CONSTRUCTION PROJECT MANAGER TO ENSURE ACCESS FOR ALL DRIVEWAYS ON EDITH BLVD.

RECORD DRAWING

LEGEND

- TRAFFIC DRUMS AT 50' O.C. (UNLESS OTHERWISE NOTED)
- TT BARRICADE
- CONSTRUCTION SIGN
- TRAFFIC FLOW
- FLAGGER
- STAGE 1 CONSTRUCTION (INSTALL TEMPORARY PAVEMENT)
- STAGE 2 CONSTRUCTION (BUILD NEW NB LANES)
- STAGE 3 CONSTRUCTION (BUILD NEW SB LANES & TWLTL)

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNYDER-MILLER 1/08 DATE
INSPECTION BY BLPWD 1/09 DATE
FIELD CHANGES BY BLPWD 1/09 DATE
VERIFICATION BY BLPWD 5/09 DATE
CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", spoiled to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
KAREN ASPELIN NEW MEXICO 13293 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY KA	8/1/06
		DRAWN BY BM	8/1/06
		CHECKED BY NA	8/2/06

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TRAFFIC CONTROL DRAWINGS STAGES 1 & 2

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	6-13

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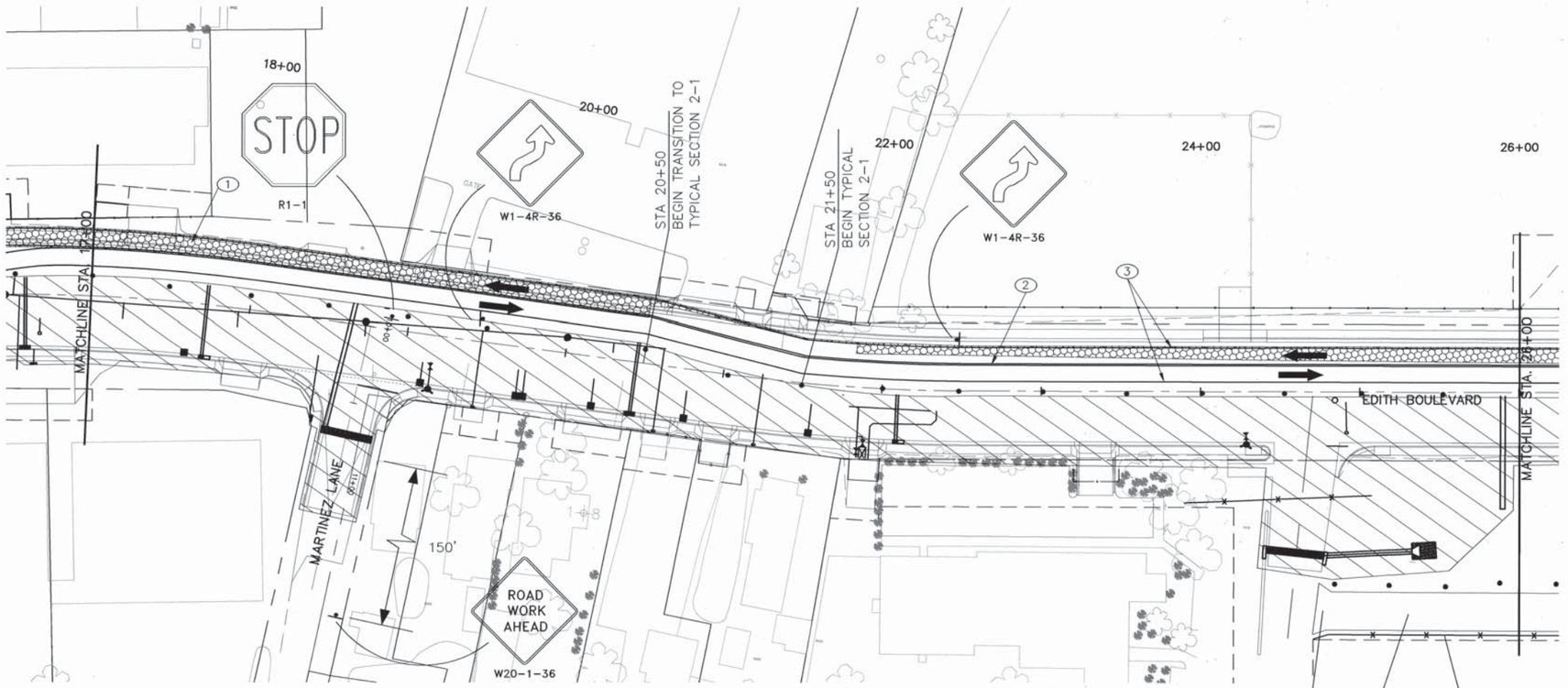

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

1. DETOUR PAVEMENT (TO BE PLACED UNDER STAGE 1)
2. TEMPORARY DOUBLE YELLOW STRIPE
3. TEMPORARY SINGLE WHITE STRIPE
4. TEMPORARY DASHED WHITE STRIPE

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS AND CONSTRUCTION PROJECT MANAGER TO ENSURE ACCESS FOR ALL DRIVEWAYS ON EDITH BLVD.
2. CONTRACTOR SHALL MAINTAIN ACCESS TO MARTINEZ DRIVE FROM EDITH BLVD AT ALL TIMES. WHERE FEASIBLE, CONSTRUCTION SHALL BE CONDUCTED IN HALF SECTIONS. OTHERWISE, SINGLE LANE WITH FLAGGERS OR OTHER TRAFFIC CONTROL MEASURE AS APPROVED BY PROJECT MANAGER SHALL BE USED.

LEGEND

- • TRAFFIC DRUMS AT 50' O.C. (UNLESS OTHERWISE NOTED)
- TT BARRICADE
- CONSTRUCTION SIGN
- TRAFFIC FLOW
- FLAGGER
- STAGE 1 CONSTRUCTION (INSTALL TEMPORARY PAVEMENT)
- STAGE 2 CONSTRUCTION (BUILD NEW NB LANES)
- STAGE 3 CONSTRUCTION (BUILD NEW SB LANES & TWLTL)

RECORD DRAWING

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNIDER-MILLER 1/08 DATE
INSPECTION & AS-BUILTS BY BAPWD 1/09 DATE
FIELD VERIFICATION BY BAPWD 1/09 DATE
AS-BUILTS CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
BY | DATE | NO.

ENGINEER'S SEAL
JAMES H. CADMAN, NEW MEXICO, 13062, REGISTERED PROFESSIONAL ENGINEER, 8/1/06

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY	KA
		DRAWN BY	BM
		CHECKED BY	NA

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TRAFFIC CONTROL DRAWINGS STAGES 1 & 2

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	6-14

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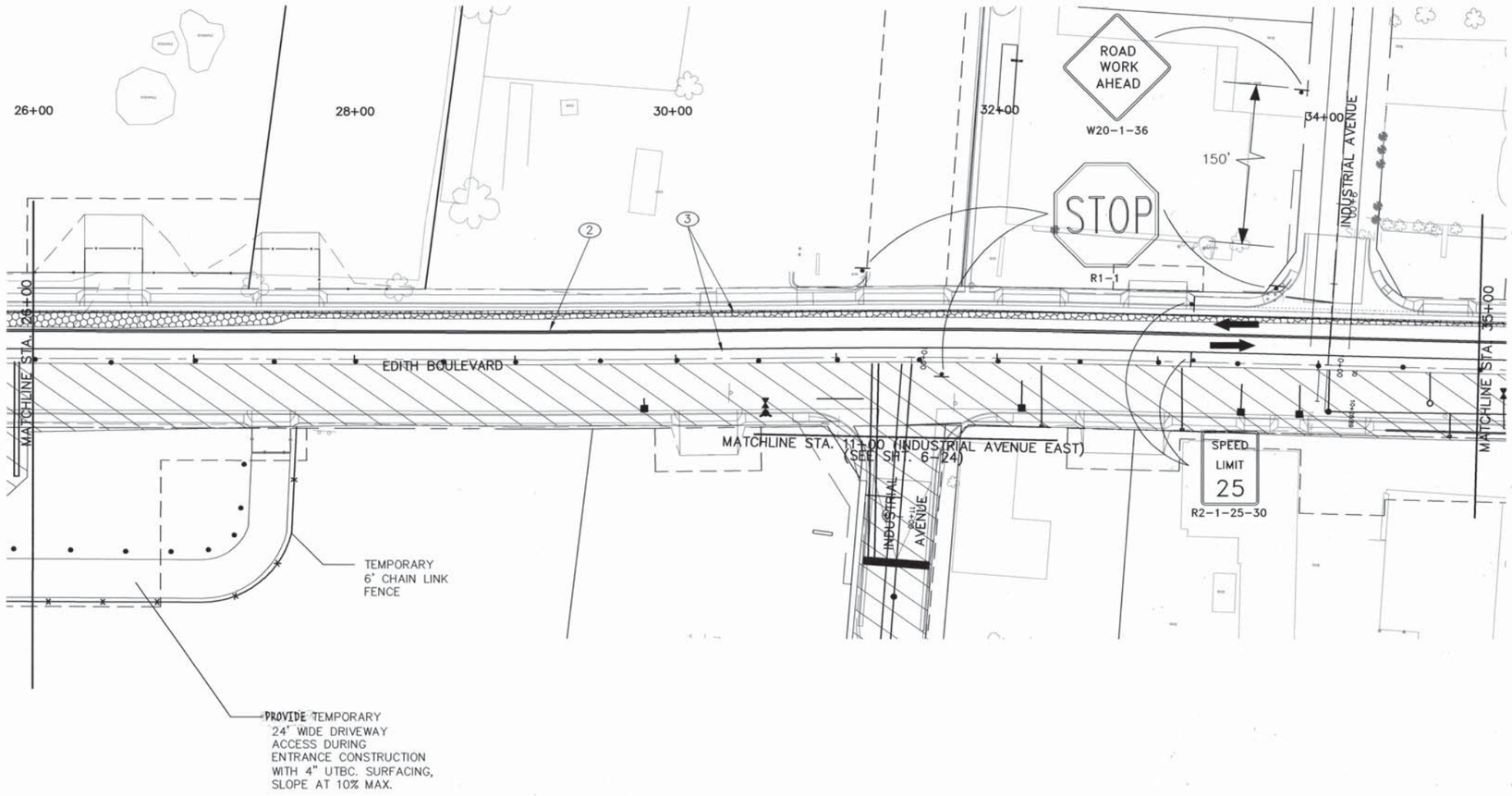

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

1. DETOUR PAVEMENT (TO BE PLACED UNDER STAGE 1)
2. TEMPORARY DOUBLE YELLOW STRIPE
3. TEMPORARY SINGLE WHITE STRIPE
4. TEMPORARY DASHED WHITE STRIPE

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS AND CONSTRUCTION PROJECT MANAGER TO ENSURE ACCESS FOR ALL DRIVEWAYS ON EDITH BLVD.
2. CONTRACTOR SHALL MAINTAIN ACCESS TO EAST INDUSTRIAL AVENUE FROM EDITH BLVD AT ALL TIMES. WHERE FEASIBLE, CONSTRUCTION SHALL BE CONDUCTED IN HALF SECTIONS. OTHERWISE, SINGLE LANE WITH FLAGGERS OR OTHER TRAFFIC CONTROL MEASURE AS APPROVED BY PROJECT MANAGER SHALL BE USED.

LEGEND

- • TRAFFIC DRUMS AT 50' O.C. (UNLESS OTHERWISE NOTED)
- TT BARRICADE
- CONSTRUCTION SIGN
- TRAFFIC FLOW
- FLAGGER
- STAGE 1 CONSTRUCTION (INSTALL TEMPORARY PAVEMENT)
- STAGE 2 CONSTRUCTION (BUILD NEW NB LANES)
- STAGE 3 CONSTRUCTION (BUILD NEW SB LANES & TWLTL)

RECORD DRAWING

AS BUILT INFORMATION

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM. 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

CONTRACTOR	A.S. HORNER
WORK STAKED BY	SNIDER MILLER 1/08 DATE
INSPECTOR'S ACCEPTANCE BY	B.LPWD 1/09 DATE
FIELD VERIFICATION BY	B.LPWD 1/09 DATE
DRAWINGS CORRECTED BY	P.B. 5/09 DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

ENGINEER'S SEAL

JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
11/1/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY KA	DATE 8/1/06
		DRAWN BY BM	DATE 8/1/06
		CHECKED BY NA	DATE 8/2/06

Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

TRAFFIC CONTROL DRAWINGS STAGES 1 & 2

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	6-15

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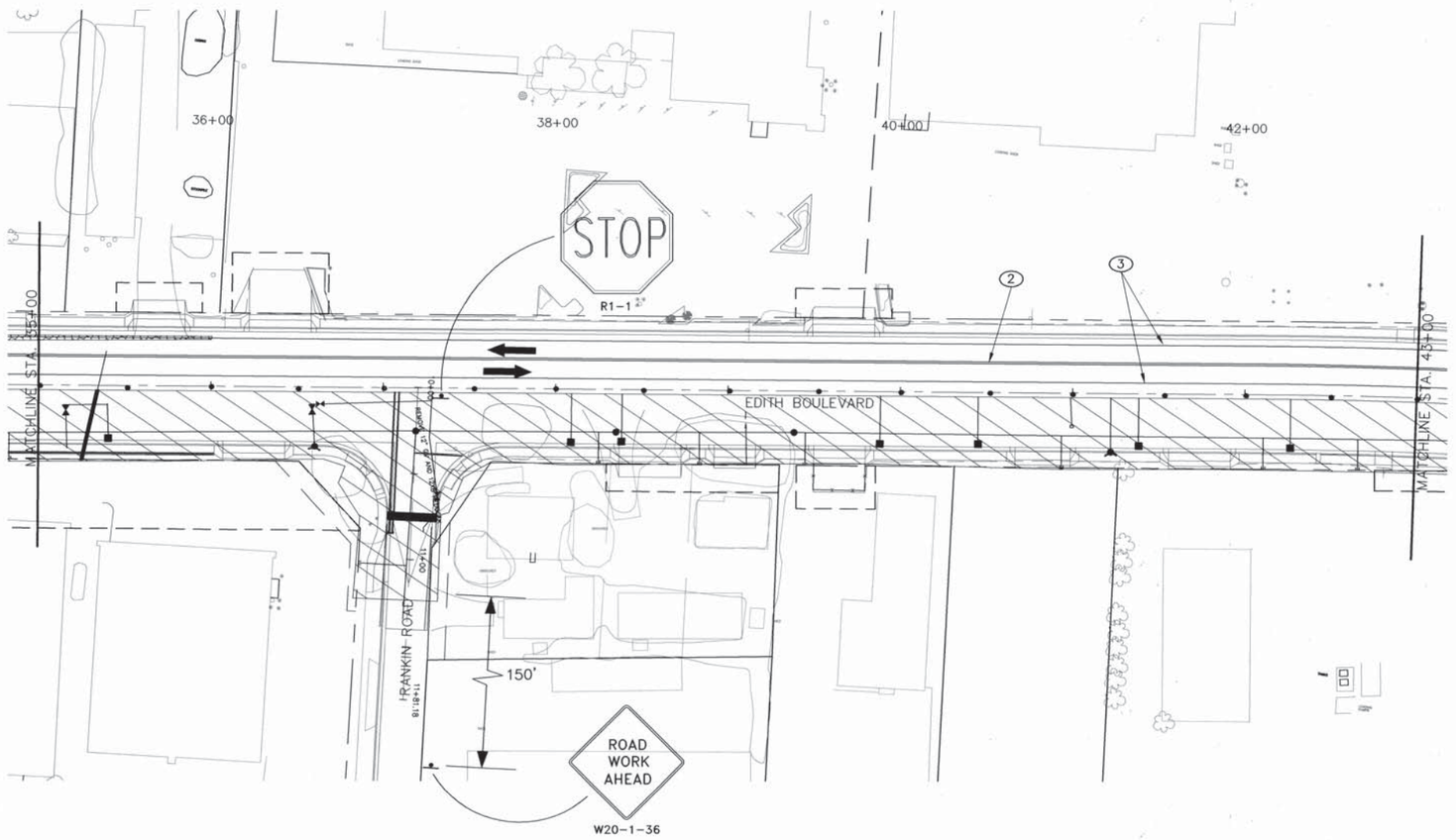

RECORD DRAWING

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

1. DETOUR PAVEMENT (TO BE PLACED UNDER STAGE 1)
2. TEMPORARY DOUBLE YELLOW STRIPE
3. TEMPORARY SINGLE WHITE STRIPE
4. TEMPORARY DASHED WHITE STRIPE

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS AND CONSTRUCTION PROJECT MANAGER TO ENSURE ACCESS FOR ALL DRIVEWAYS ON EDITH BLVD.
2. CONTRACTOR SHALL MAINTAIN ACCESS TO RANKIN ROAD FROM EDITH BLVD AT ALL TIMES. WHERE FEASIBLE, CONSTRUCTION SHALL BE CONDUCTED IN HALF SECTIONS. OTHERWISE, SINGLE LANE WITH FLAGGERS OR OTHER TRAFFIC CONTROL MEASURE AS APPROVED BY PROJECT MANAGER SHALL BE USED.

LEGEND

- TRAFFIC DRUMS AT 50' O.C. (UNLESS OTHERWISE NOTED)
- TT BARRICADE
- CONSTRUCTION SIGN
- TRAFFIC FLOW
- FLAGGER
- STAGE 1 CONSTRUCTION (INSTALL TEMPORARY PAVEMENT)
- STAGE 2 CONSTRUCTION (BUILD NEW NB LANES)
- STAGE 3 CONSTRUCTION (BUILD NEW SB LANES & TWLTL)

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HARVER
WORK STAKED BY Jaime MILLER 1/08 DATE
INSPECTION ACCEPTANCE BY B.PWD 3/09 DATE
FIELD VERIFICATION BY B.PWD 3/09 DATE
DRAWING CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
KAREN ASPELIN NEW MEXICO (13293) REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	KA	8/1/06
DRAWN BY	BM	8/1/06
CHECKED BY	NA	8/2/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TRAFFIC CONTROL DRAWINGS STAGES 1 & 2

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	6-16

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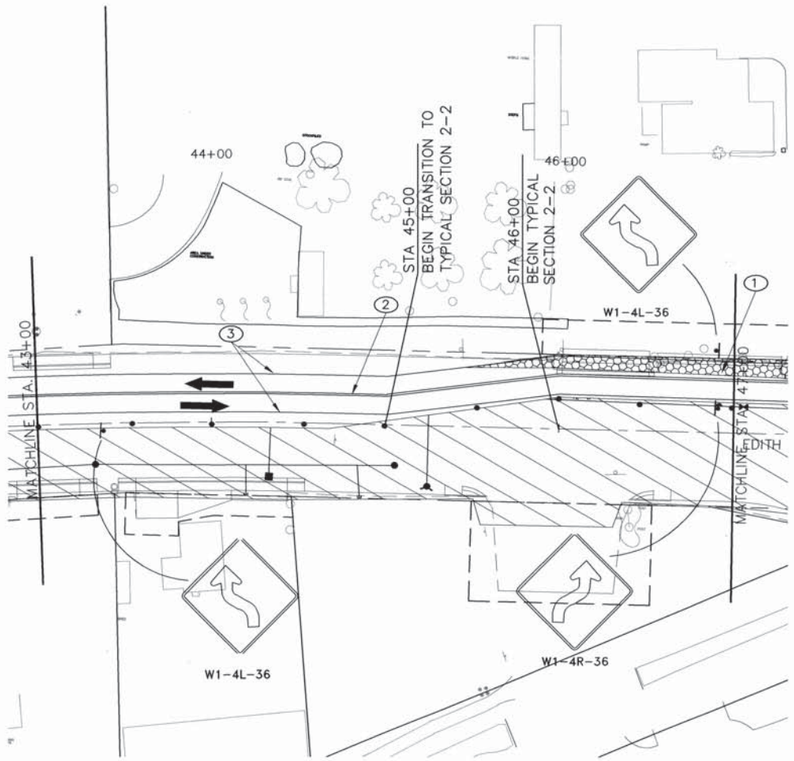

GRAPHIC SCALE

40 0 20 40 80

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

1. DETOUR PAVEMENT (TO BE PLACED UNDER STAGE 1)
2. TEMPORARY DOUBLE YELLOW STRIPE
3. TEMPORARY SINGLE WHITE STRIPE
4. TEMPORARY DASHED WHITE STRIPE

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS AND CONSTRUCTION PROJECT MANAGER TO ENSURE ACCESS FOR ALL DRIVEWAYS ON EDITH BLVD.

RECORD DRAWING

LEGEND

- TRAFFIC DRUMS AT 50' O.C. (UNLESS OTHERWISE NOTED)
- TT BARRICADE
- CONSTRUCTION SIGN
- TRAFFIC FLOW
- FLAGGER
- STAGE 1 CONSTRUCTION (INSTALL TEMPORARY PAVEMENT)
- STAGE 2 CONSTRUCTION (BUILD NEW NB LANES)
- STAGE 3 CONSTRUCTION (BUILD NEW SB LANES & TWLTL)

PB Parsons Brinckerhoff

SURVEY INFORMATION
FIELD NOTES BY DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNIDER MILLER DATE
INSPECTOR'S FIELD CHANGES BY B.C.PWD DATE
VERIFICATION OF CONSTRUCTION BY B.C.PWD DATE
CORRECTED BY P.B. DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
KAREN ASPELIN NEW MEXICO 13293 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	

DESIGNED BY	KA	8/1/06
DRAWN BY	BM	8/1/06
CHECKED BY	NA	8/2/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TRAFFIC CONTROL DRAWINGS STAGES 1& 2

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 6-17

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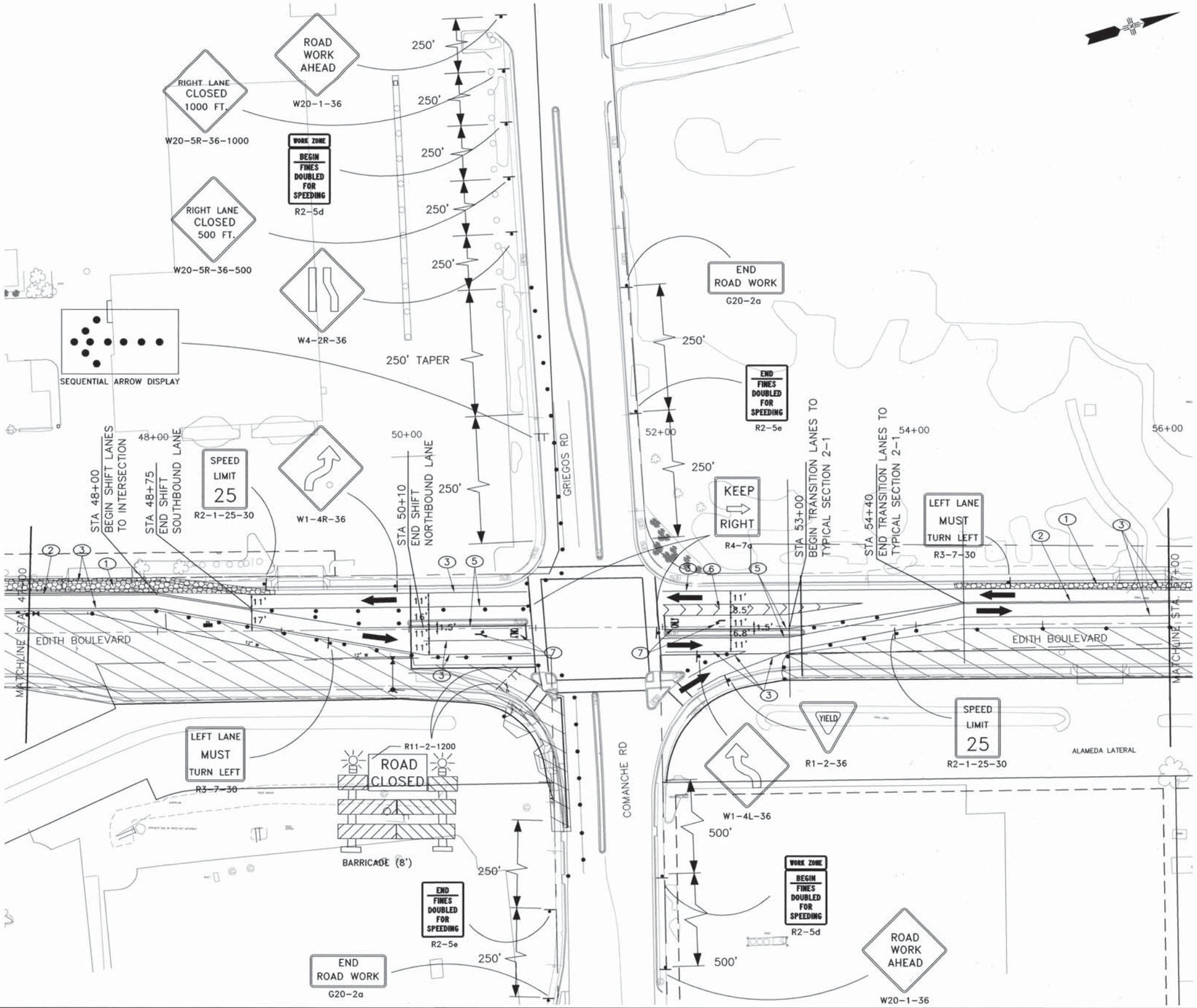


GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

1. DETOUR PAVEMENT (TO BE PLACED UNDER STAGE 1)
2. TEMPORARY DOUBLE YELLOW STRIPE
3. TEMPORARY SINGLE WHITE STRIPE
4. TEMPORARY DASHED WHITE STRIPE
5. TEMPORARY SINGLE YELLOW STRIPE
6. TEMPORARY 8" WHITE STRIPE
7. TEMPORARY WHITE PAINTED PAVEMENT MARKING (SYMBOL AS SHOWN ON PLANS)

GENERAL NOTES

RECORD DRAWING

LEGEND

- • TRAFFIC DRUMS AT 50' O.C. (UNLESS OTHERWISE NOTED)
- TT BARRICADE
- CONSTRUCTION SIGN
- TRAFFIC FLOW
- FLAGGER
- STAGE 1 CONSTRUCTION (INSTALL TEMPORARY PAVEMENT)
- STAGE 2 CONSTRUCTION (BUILD NEW NB LANES)
- STAGE 3 CONSTRUCTION (BUILD NEW SB LANES & TWLTL)

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HANNER DATE
WORK STAKED BY SNIDER MILLER 3/06 DATE
INSPECTOR'S FIELD STAKING BY BCPWD 3/09 DATE
VERIFICATION BY BCPWD 4/09 DATE
CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
BY DATE
NO.

ENGINEER'S SEAL
KAREN ASPELIN NEW MEXICO 13293 REGISTERED PROFESSIONAL ENGINEER

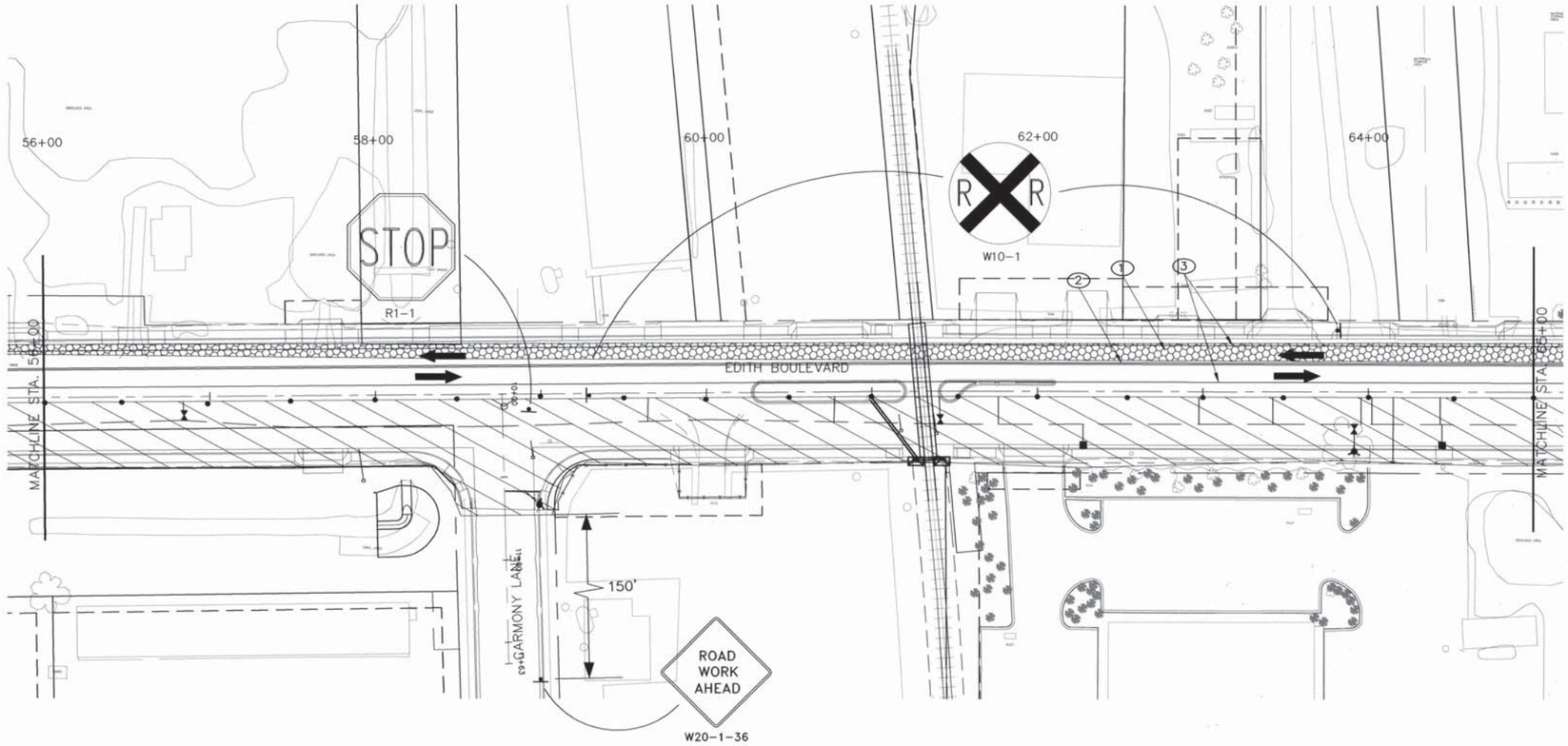
NO.	DATE	REMARKS	BY
		DESIGN	
DESIGNED BY		KA	DATE 8/1/06
DRAWN BY		BM	DATE 8/1/06
CHECKED BY		NA	DATE 8/2/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TRAFFIC CONTROL DRAWINGS STAGES 1 & 2

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	6-18



GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

1. DETOUR PAVEMENT (TO BE PLACED UNDER STAGE 1)
2. TEMPORARY DOUBLE YELLOW STRIPE
3. TEMPORARY SINGLE WHITE STRIPE
4. TEMPORARY DASHED WHITE STRIPE

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS AND CONSTRUCTION PROJECT MANAGER TO ENSURE ACCESS FOR ALL DRIVEWAYS ON EDITH BLVD.
2. CONTRACTOR SHALL MAINTAIN ACCESS TO CARMONY LANE FROM EDITH BLVD AT ALL TIMES. WHERE FEASIBLE, CONSTRUCTION SHALL BE CONDUCTED IN HALF SECTIONS. OTHERWISE, SINGLE LANE WITH FLAGGERS OR OTHER TRAFFIC CONTROL MEASURE AS APPROVED BY PROJECT MANAGER SHALL BE USED.
3. CONTRACTOR SHALL COORDINATE WITH RAILROAD OPERATORS TO ENSURE TRAFFIC CLOSURES DURING TRAIN CROSSINGS.

LEGEND

- • TRAFFIC DRUMS AT 50' O.C. (UNLESS OTHERWISE NOTED)
- TT BARRICADE
- CONSTRUCTION SIGN
- TRAFFIC FLOW
- FLAGGER
- STAGE 1 CONSTRUCTION (INSTALL TEMPORARY PAVEMENT)
- STAGE 2 CONSTRUCTION (BUILD NEW NB LANES)
- STAGE 3 CONSTRUCTION (BUILD NEW SB LANES & TWLTL)

RECORD DRAWING

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER

WORK STAKED BY SNIDER MILLER 1/08 DATE

INSPECTORS FIELD FAXES BY B.PINO 1/09 DATE

VERIFICATION BY MONUMENTS B.PINO 1/09 DATE

CORRECTED BY P.B. 5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.

NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES BY DATE

NO.

ENGINEER'S SEAL

KAREN ASPELIN NEW MEXICO 13293 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY KA	DATE 8/1/06
		DRAWN BY BM	DATE 8/1/06
		CHECKED BY NA	DATE 8/2/06

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TRAFFIC CONTROL DRAWINGS STAGES 1 & 2

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	6-19

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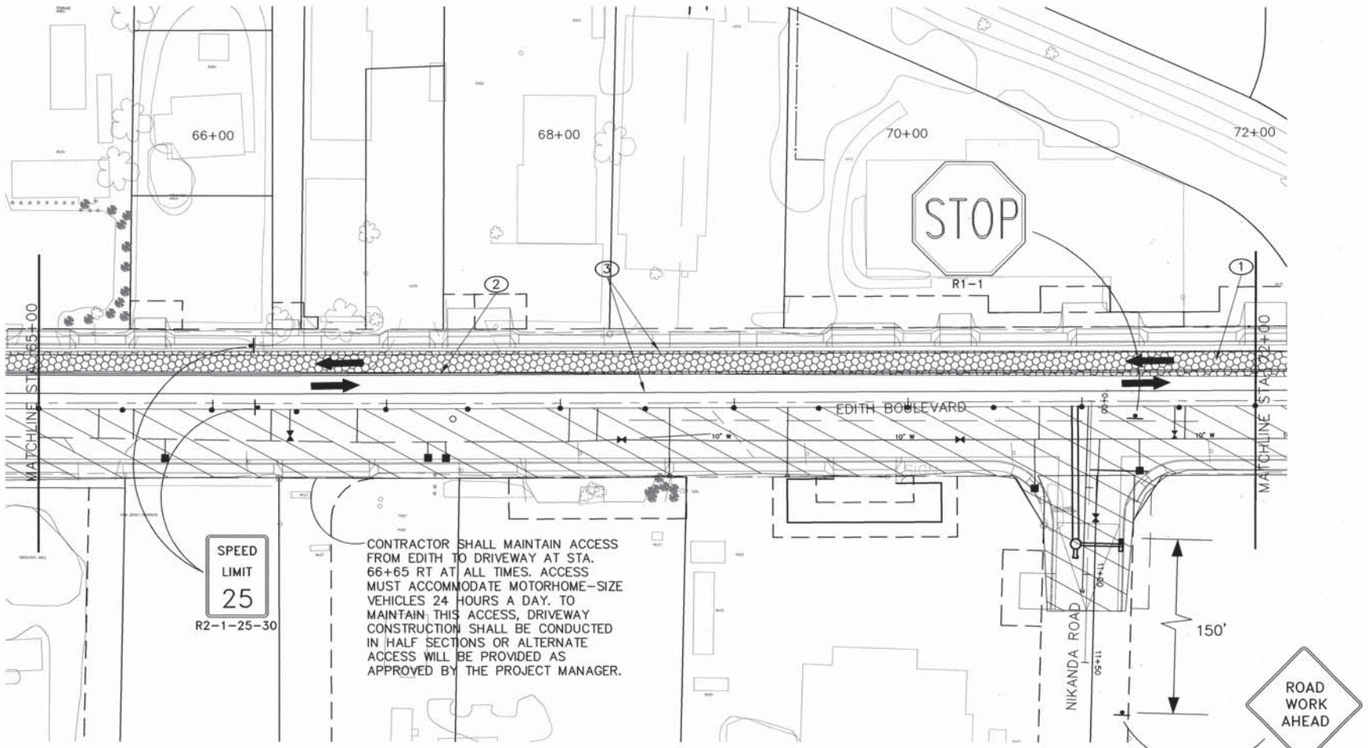

GRAPHIC SCALE

40 0 20 40 80

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

1. DETOUR PAVEMENT (TO BE PLACED UNDER STAGE 1)
2. TEMPORARY DOUBLE YELLOW STRIPE
3. TEMPORARY SINGLE WHITE STRIPE
4. TEMPORARY DASHED WHITE STRIPE

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS AND CONSTRUCTION PROJECT MANAGER TO ENSURE ACCESS FOR ALL DRIVEWAYS ON EDITH BLVD.
2. CONTRACTOR SHALL MAINTAIN ACCESS TO NIKANDA ROAD FROM EDITH BLVD AT ALL TIMES. WHERE FEASIBLE, CONSTRUCTION SHALL BE CONDUCTED IN HALF SECTIONS. OTHERWISE, SINGLE LANE WITH FLAGGERS OR OTHER TRAFFIC CONTROL MEASURE AS APPROVED BY PROJECT MANAGER SHALL BE USED.

LEGEND

- TRAFFIC DRUMS AT 50' O.C. (UNLESS OTHERWISE NOTED)
- TT BARRICADE
- CONSTRUCTION SIGN
- TRAFFIC FLOW
- FLAGGER
- STAGE 1 CONSTRUCTION (INSTALL TEMPORARY PAVEMENT)
- STAGE 2 CONSTRUCTION (BUILD NEW NB LANES)
- STAGE 3 CONSTRUCTION (BUILD NEW SB LANES & TWLTL)

AS BUILT INFORMATION

CONTRACTOR A.S. HARNER DATE
WORK STAKED BY SANDER MILLER 3/08 DATE
INSPECTOR'S FIELD CHANGES BY B&PWD 3/09 DATE
VERIFICATION BY B&PWD 4/09 DATE
AS-BUILTED BY P.B. 4/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

KAREN ASPELIN NEW MEXICO 13293 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	KA	8/1/06
DRAWN BY	BM	8/1/06
CHECKED BY	NA	8/2/06

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

TRAFFIC CONTROL DRAWINGS STAGES 1 & 2

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	6-20

RECORD DRAWING

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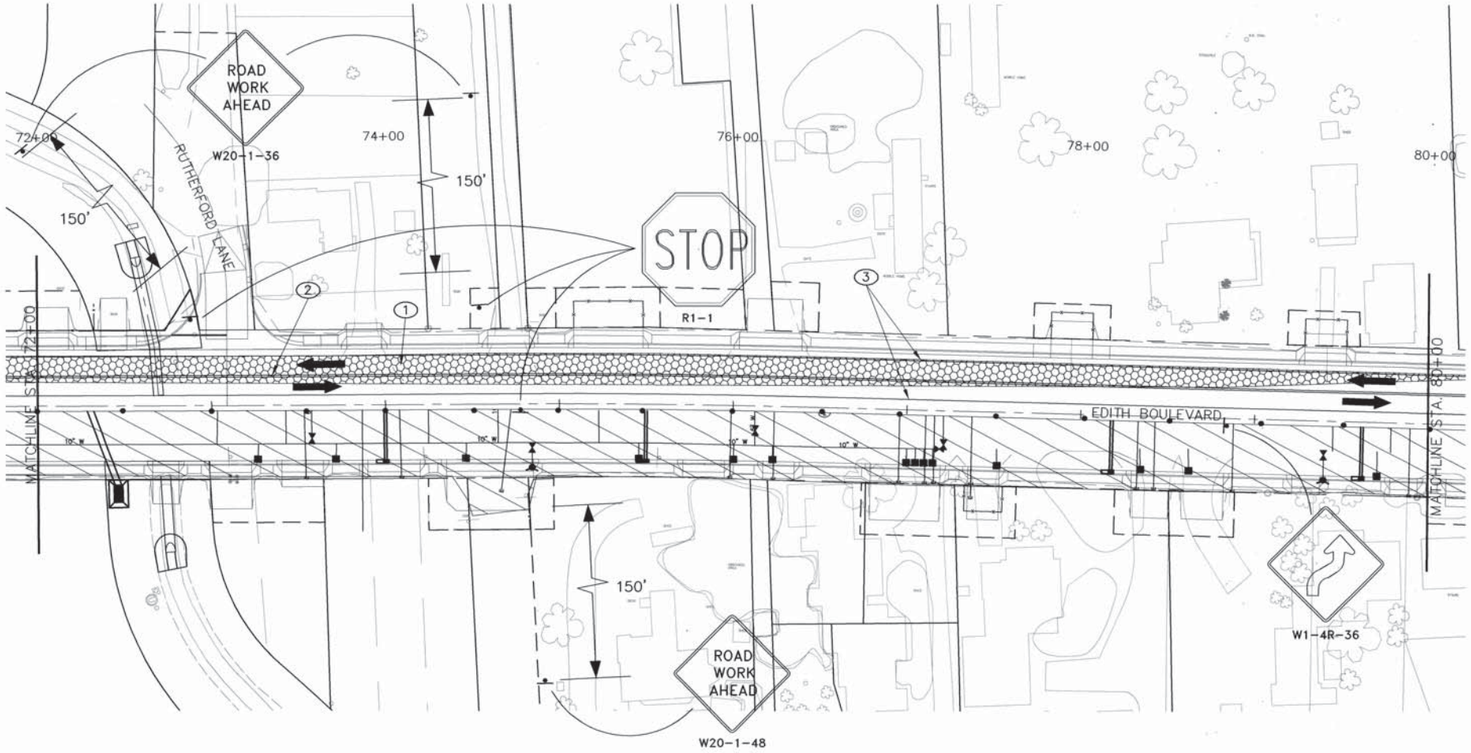

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

1. DETOUR PAVEMENT (TO BE PLACED UNDER STAGE 1)
2. TEMPORARY DOUBLE YELLOW STRIPE
3. TEMPORARY SINGLE WHITE STRIPE
4. TEMPORARY DASHED WHITE STRIPE

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS AND CONSTRUCTION PROJECT MANAGER TO ENSURE ACCESS FOR ALL DRIVEWAYS ON EDITH BLVD.
2. CONTRACTOR SHALL MAINTAIN ACCESS TO NIKANDA ROAD FROM EDITH BLVD AT ALL TIMES. WHERE FEASIBLE, CONSTRUCTION SHALL BE CONDUCTED IN HALF SECTIONS. OTHERWISE, SINGLE LANE WITH FLAGGERS OR OTHER TRAFFIC CONTROL MEASURE AS APPROVED BY PROJECT MANAGER SHALL BE USED.

RECORD DRAWING

LEGEND

- TRAFFIC DRUMS AT 50' O.C. (UNLESS OTHERWISE NOTED)
- TT BARRICADE
- CONSTRUCTION SIGN
- TRAFFIC FLOW
- FLAGGER
- STAGE 1 CONSTRUCTION (INSTALL TEMPORARY PAVEMENT)
- STAGE 2 CONSTRUCTION (BUILD NEW NB LANES)
- STAGE 3 CONSTRUCTION (BUILD NEW SB LANES & TWLTL)

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNIDER MILLER 7/08 DATE
INSPECTION & SURVEILLANCE BY BCPWD 7/09 DATE
FIELD VERIFICATION BY B.C.PWD 7/09 DATE
DRAWING CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
KAREN ASPELIN NEW MEXICO 13293 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY KA	DATE 8/1/06
		DRAWN BY BM	DATE 8/1/06
		CHECKED BY NA	DATE 8/2/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TRAFFIC CONTROL DRAWINGS STAGES 1 & 2

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	6-21

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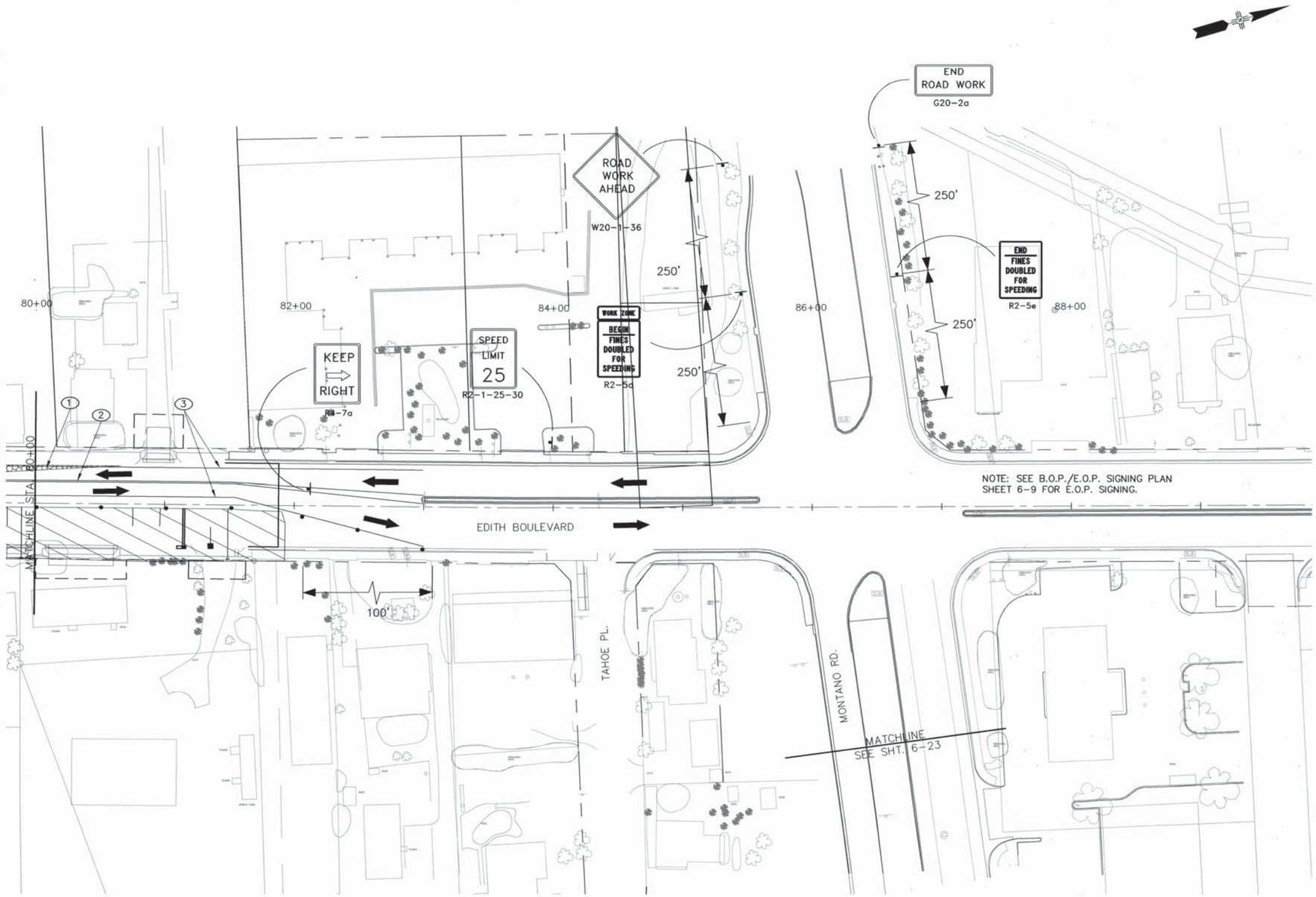

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

1. DETOUR PAVEMENT (TO BE PLACED UNDER STAGE 1)
2. TEMPORARY DOUBLE YELLOW STRIPE
3. TEMPORARY SINGLE WHITE STRIPE
4. TEMPORARY DASHED WHITE STRIPE

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS AND CONSTRUCTION PROJECT MANAGER TO ENSURE ACCESS FOR ALL DRIVEWAYS ON EDITH BLVD.

RECORD DRAWING

LEGEND

- TRAFFIC DRUMS AT 50' O.C. (UNLESS OTHERWISE NOTED)
- TT BARRICADE
- CONSTRUCTION SIGN
- TRAFFIC FLOW
- FLAGGER
- STAGE 1 CONSTRUCTION (INSTALL TEMPORARY PAVEMENT)
- STAGE 2 CONSTRUCTION (BUILD NEW NB LANES)
- STAGE 3 CONSTRUCTION (BUILD NEW SB LANES & TWLTL)

PB Parsons Brinckerhoff

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER
WORK STAKED BY SNIDER MILLER 1/09 DATE
INSPECTIONS AND/OR ALIGNMENT BY R.PWD 1/09 DATE
FIELD VERIFICATION BY B.C.PWD 1/09 DATE
DRAWINGS CORRECTED BY P.B. 5/10 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL

KAREN ASPELIN NEW MEXICO (13293) REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY KA	DATE 8/1/06
		DRAWN BY BM	DATE 8/1/06
		CHECKED BY NA	DATE 8/2/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TRAFFIC CONTROL DRAWINGS STAGES 1 & 2

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	6-22

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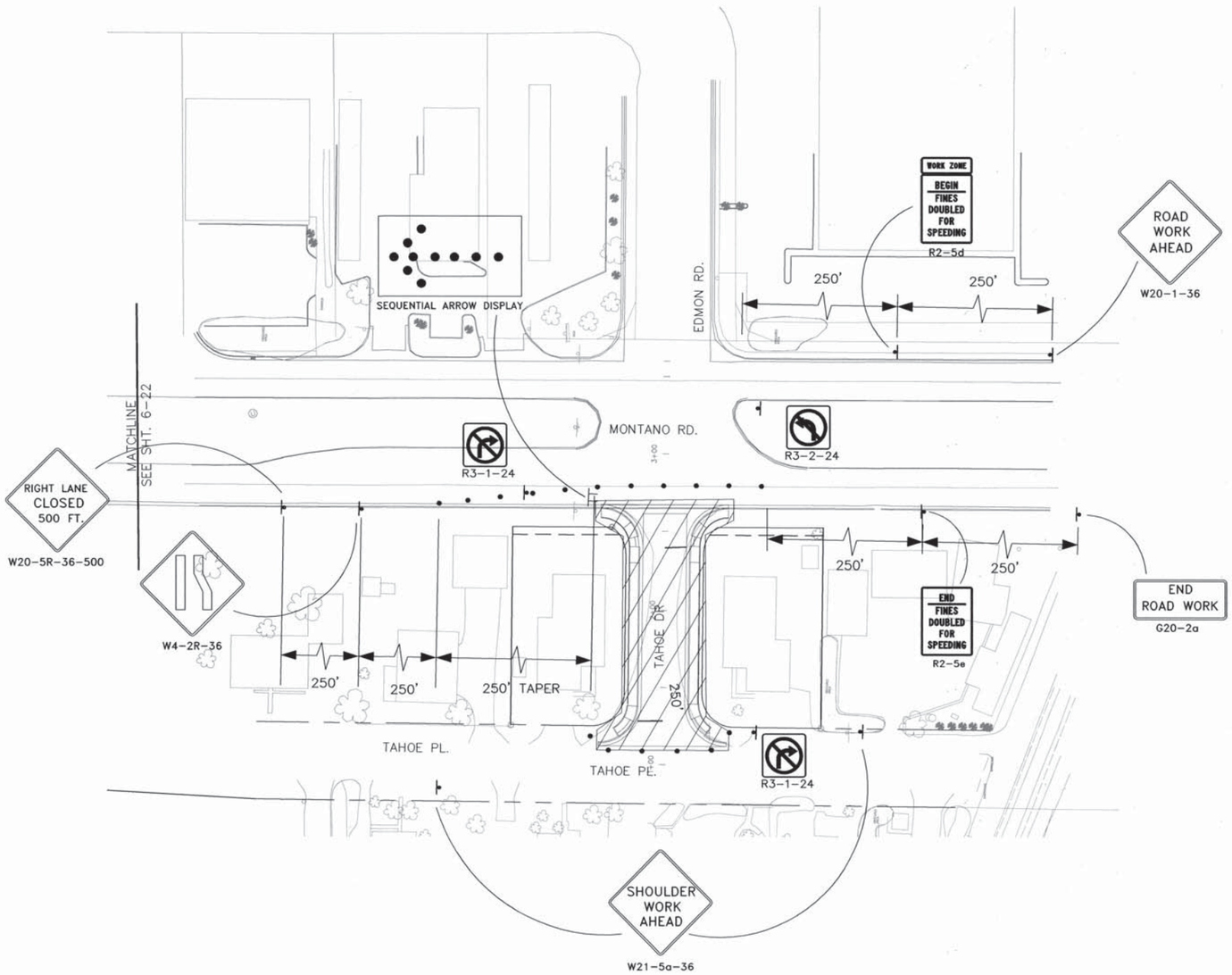

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

1. DETOUR PAVEMENT (TO BE PLACED UNDER STAGE 1)
2. TEMPORARY DOUBLE YELLOW STRIPE
3. TEMPORARY SINGLE WHITE STRIPE
4. TEMPORARY DASHED WHITE STRIPE

GENERAL NOTES

RECORD DRAWING

LEGEND

- TRAFFIC DRUMS AT 50' O.C. (UNLESS OTHERWISE NOTED)
- TT BARRICADE
- CONSTRUCTION SIGN
- TRAFFIC FLOW
- FLAGGER
- STAGE 1 CONSTRUCTION (INSTALL TEMPORARY PAVEMENT)
- STAGE 2 CONSTRUCTION (BUILD NEW NB LANES)
- STAGE 3 CONSTRUCTION (BUILD NEW SB LANES & TWLTL)

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNIDER MILLER 1/08 DATE
INSPECTION PERFORMED BY BLPWD 1/09 DATE
FIELD CHANGES BY BCPWD 1/09 DATE
VERIFICATION BY CONTRACTOR P. B. 5/09 DATE
CORRECTED BY MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
KAREN ASPELIN
NEW MEXICO
13293
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY KA	DATE 8/1/06
		DRAWN BY BM	DATE 8/1/06
		CHECKED BY NA	DATE 8/2/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TRAFFIC CONTROL DRAWINGS STAGE 2

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	6-23

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GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

1. DETOUR PAVEMENT (TO BE PLACED UNDER STAGE 1)
2. TEMPORARY DOUBLE YELLOW STRIPE
3. TEMPORARY SINGLE WHITE STRIPE
4. TEMPORARY DASHED WHITE STRIPE

GENERAL NOTES

1. CONTRACTOR SHALL MAINTAIN ACCESS TO INDUSTRIAL AVENUE FROM EDITH BLVD AT ALL TIMES. WHERE FEASIBLE, CONSTRUCTION SHALL BE CONDUCTED IN HALF SECTIONS. OTHERWISE, SINGLE LANE WITH FLAGGERS OR OTHER TRAFFIC CONTROL MEASURE AS APPROVED BY PROJECT MANAGER SHALL BE USED. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS AND CONSTRUCTION PROJECT MANAGER TO ENSURE ACCESS FOR ALL DRIVEWAYS ON INDUSTRIAL AVENUE.

RECORD DRAWING

LEGEND

- TRAFFIC DRUMS AT 50' O.C. (UNLESS OTHERWISE NOTED)
- TT BARRICADE
- CONSTRUCTION SIGN
- TRAFFIC FLOW
- FLAGGER
- STAGE 1 CONSTRUCTION (INSTALL TEMPORARY PAVEMENT)
- STAGE 2 CONSTRUCTION (BUILD NEW NB LANES)
- STAGE 3 CONSTRUCTION (BUILD NEW SB LANES & TWLTL)

PB Parsons Brinckerhoff

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER
WORK STAKED BY SAUER MILLER
INSPECTOR'S DIARY BY BEPWD
FIELD VERIFICATION BY BEPWD
CORRECTED BY P.B.
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet. ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

KAREN ASPELIN NEW MEXICO 13293 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY KA	DATE 8/1/06
		DRAWN BY BM	DATE 8/1/06
		CHECKED BY NA	DATE 8/2/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TRAFFIC CONTROL DRAWINGS STAGE 2

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	6-24

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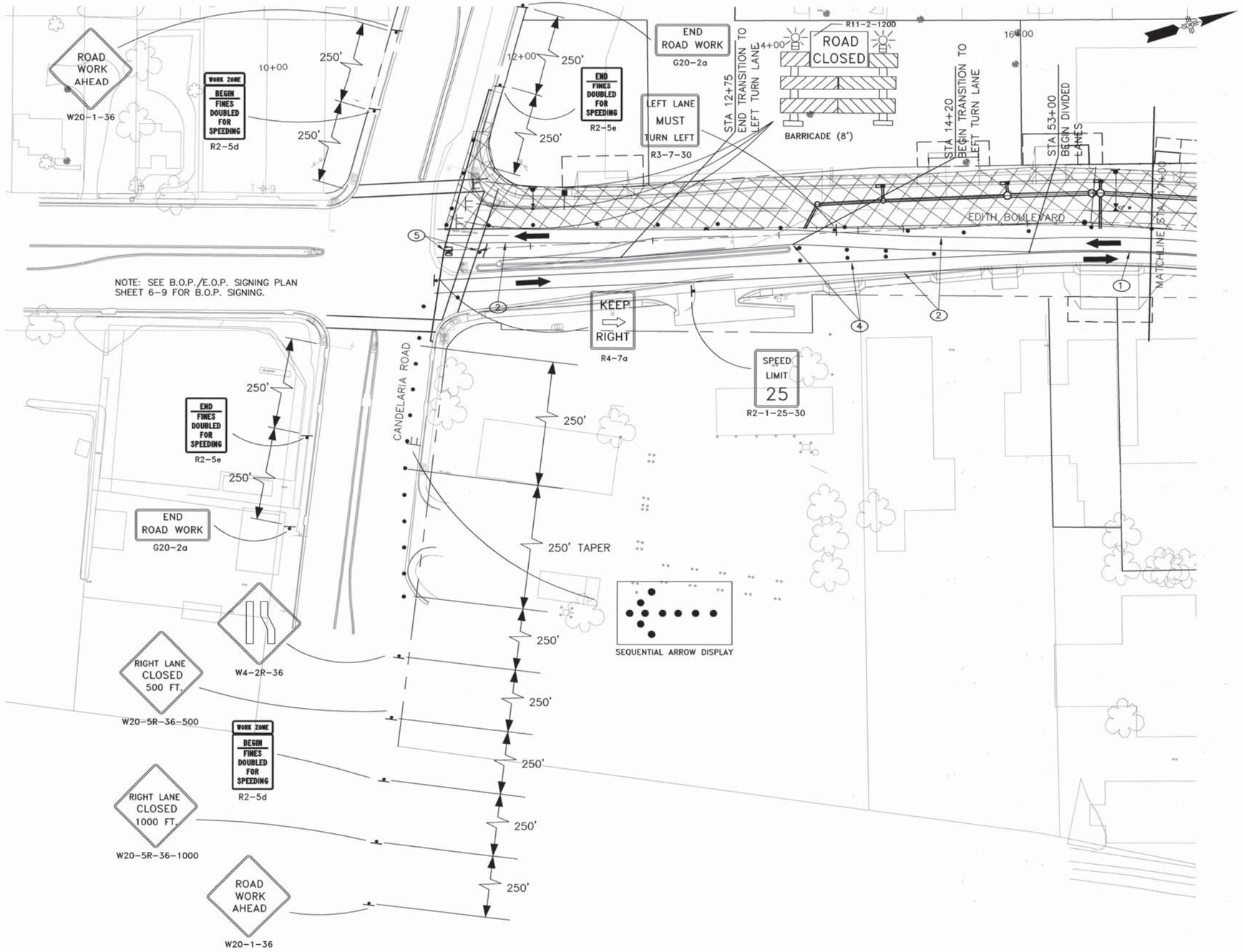

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

1. TEMPORARY DOUBLE YELLOW STRIPE
2. TEMPORARY SINGLE WHITE STRIPE
3. TEMPORARY DASHED WHITE STRIPE
4. TEMPORARY SINGLE YELLOW STRIPE
5. TEMPORARY WHITE PAINTED PAVEMENT MARKING (SYMBOL AS SHOWN ON PLANS)

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS AND CONSTRUCTION PROJECT MANAGER TO ENSURE ACCESS FOR ALL DRIVEWAYS ON EDITH BLVD.

RECORD DRAWING

LEGEND

- TRAFFIC DRUMS AT 50' O.C. (UNLESS OTHERWISE NOTED)
- TT BARRICADE
- CONSTRUCTION SIGN
- TRAFFIC FLOW
- FLAGGER
- STAGE 1 CONSTRUCTION (INSTALL TEMPORARY PAVEMENT)
- STAGE 2 CONSTRUCTION (BUILD NEW NB LANES)
- STAGE 3 CONSTRUCTION (BUILD NEW SB LANES & TWLTL)

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK PLACED BY SONDER MILLER 1/08 DATE
INSPECTORS FIELD CHANGES BY BCPWD 3/09 DATE
VERIFICATION BY BCPWD 3/09 DATE
DRAWING CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
KAREN ASPELIN NEW MEXICO 13293 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY KA	DATE 8/1/06
		DRAWN BY BM	DATE 8/1/06
		CHECKED BY NA	DATE 8/2/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TRAFFIC CONTROL DRAWINGS STAGE 3

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 6-25

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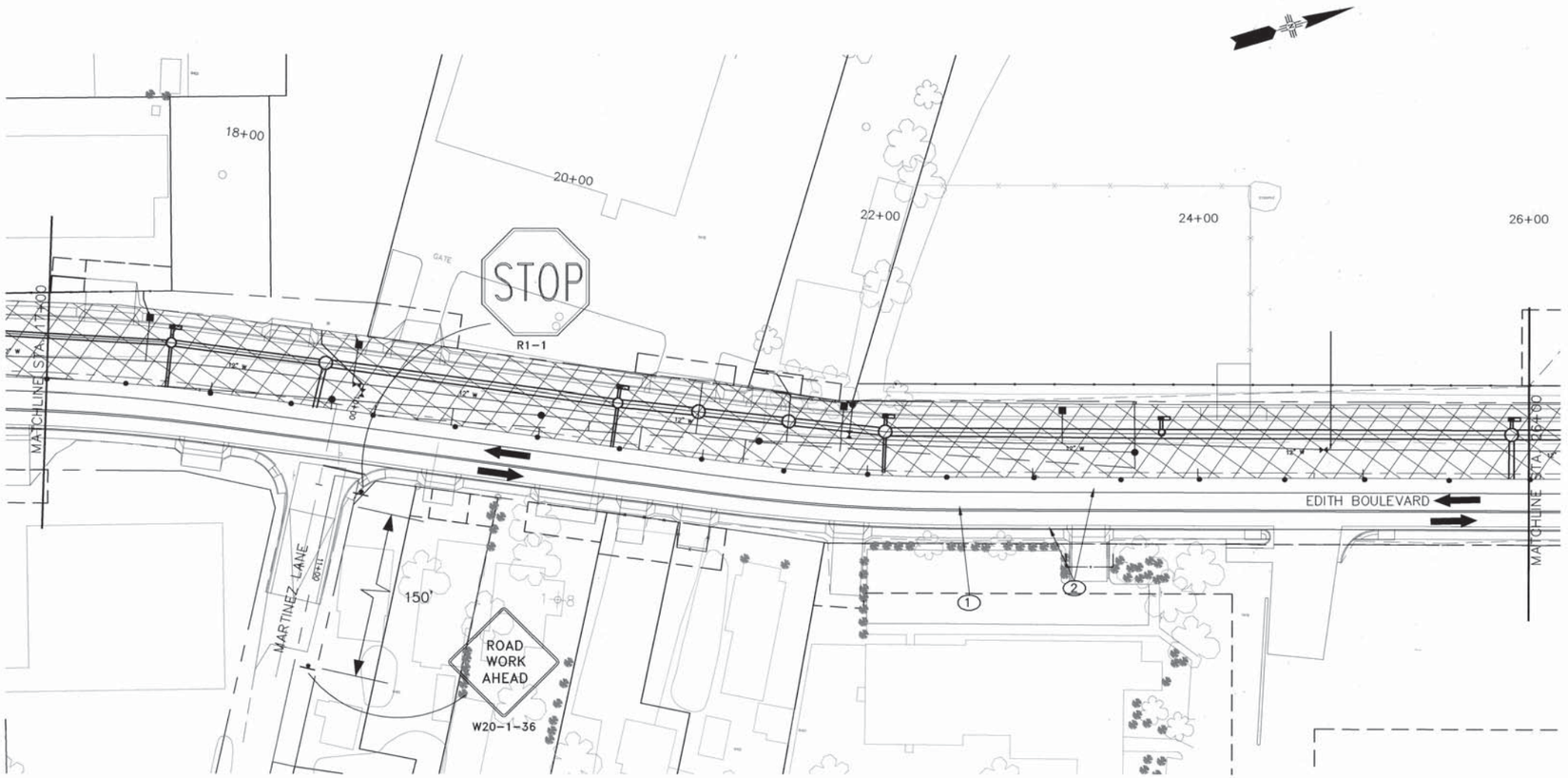

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

1. TEMPORARY DOUBLE YELLOW STRIPE
2. TEMPORARY SINGLE WHITE STRIPE
3. TEMPORARY DASHED WHITE STRIPE

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS AND CONSTRUCTION PROJECT MANAGER TO ENSURE ACCESS FOR ALL DRIVEWAYS ON EDITH BLVD.

RECORD DRAWING

LEGEND

- TRAFFIC DRUMS AT 50' O.C. (UNLESS OTHERWISE NOTED)
- TT BARRICADE
- CONSTRUCTION SIGN
- TRAFFIC FLOW
- FLAGGER
- STAGE 1 CONSTRUCTION (INSTALL TEMPORARY PAVEMENT)
- STAGE 2 CONSTRUCTION (BUILD NEW NB LANES)
- STAGE 3 CONSTRUCTION (BUILD NEW SB LANES & TWLTL)

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HOFNER
WORK STAKED BY SAUER MILLER 7/06 DATE
ACCEPTANCE BY BLPWD 7/07 DATE
FIELD VERIFICATION BY BLPWD 7/07 DATE
DRAWINGS CORRECTED BY P.B. 5/08 DATE
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
KAREN ASPELIN NEW MEXICO 13293 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

DESIGNED BY KA DESIGN DATE 8/1/06
DRAWN BY BM DATE 8/1/06
CHECKED BY NA DATE 8/2/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TRAFFIC CONTROL DRAWINGS STAGE 3

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	6-26

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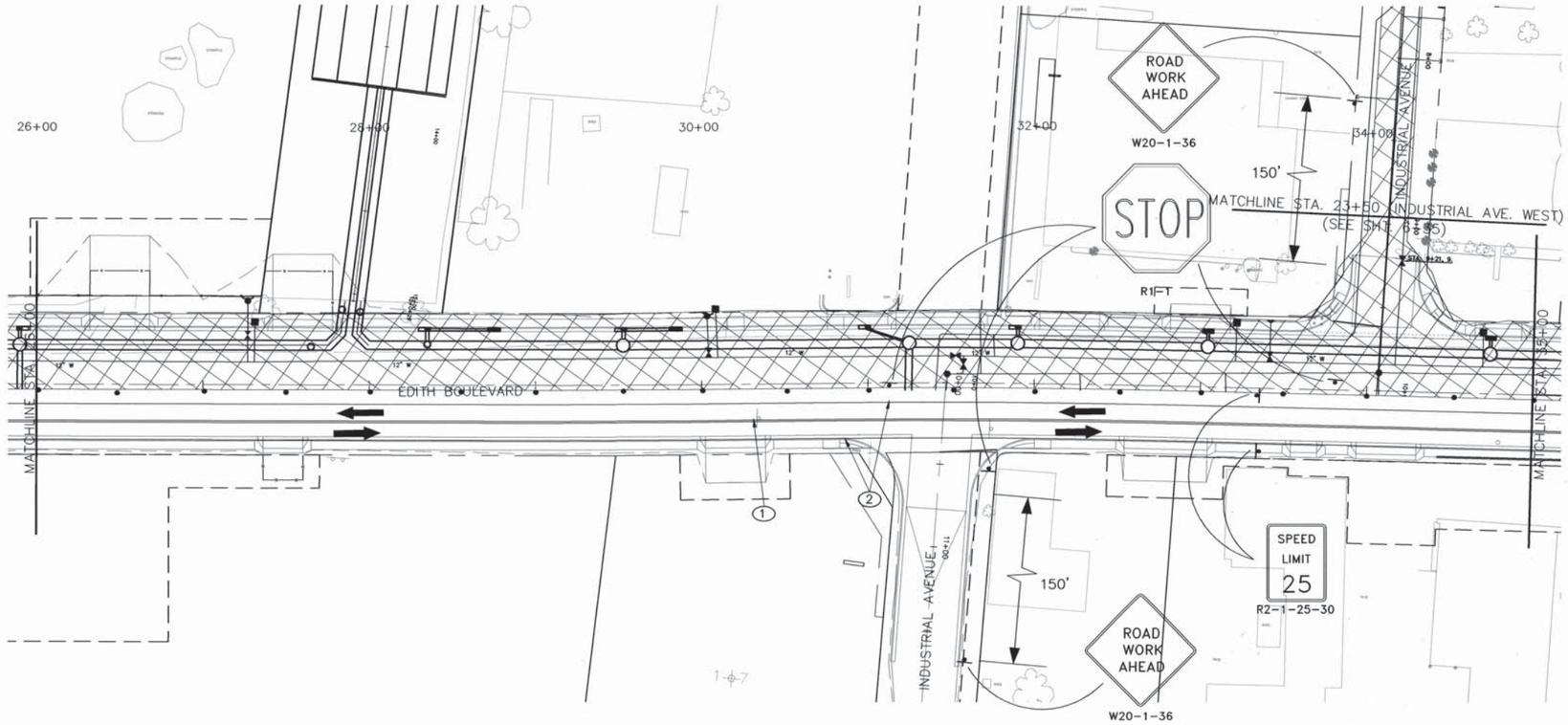

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

1. TEMPORARY DOUBLE YELLOW STRIPE
2. TEMPORARY SINGLE WHITE STRIPE
3. TEMPORARY DASHED WHITE STRIPE

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS AND CONSTRUCTION PROJECT MANAGER TO ENSURE ACCESS FOR ALL DRIVEWAYS ON EDITH BLVD.
2. CONTRACTOR SHALL MAINTAIN ACCESS TO WEST INDUSTRIAL AVENUE FROM EDITH BLVD AT ALL TIMES. WHERE FEASIBLE, CONSTRUCTION SHALL BE CONDUCTED IN HALF SECTIONS. OTHERWISE, SINGLE LANE WITH FLAGGERS OR OTHER TRAFFIC CONTROL MEASURE AS APPROVED BY PROJECT MANAGER SHALL BE USED.

RECORD DRAWING

LEGEND

- TRAFFIC DRUMS AT 50' O.C. (UNLESS OTHERWISE NOTED)
- TT BARRICADE
- CONSTRUCTION SIGN
- TRAFFIC FLOW
- FLAGGER
- STAGE 1 CONSTRUCTION (INSTALL TEMPORARY PAVEMENT)
- STAGE 2 CONSTRUCTION (BUILD NEW NB LANES)
- STAGE 3 CONSTRUCTION (BUILD NEW SB LANES & TWLTL)

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STARTED BY SNYDER MILLER 7/09 DATE
INSPECTION FIELD COMPLIANCE BY BLPWD 7/09 DATE
ACCEPTANCE BY BLPWD 7/09 DATE
VERIFICATION OF DIMENSIONS BY P.B. 5/09 DATE
CORRECTED BY MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM. 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
KAREN ASPELIN NEW MEXICO (13293) REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	DESIGN	
			DESIGNED BY KA	DATE 8/1/06
			DRAWN BY BM	DATE 8/1/06
			CHECKED BY NA	DATE 8/2/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TRAFFIC CONTROL DRAWINGS STAGE 3

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	6-27

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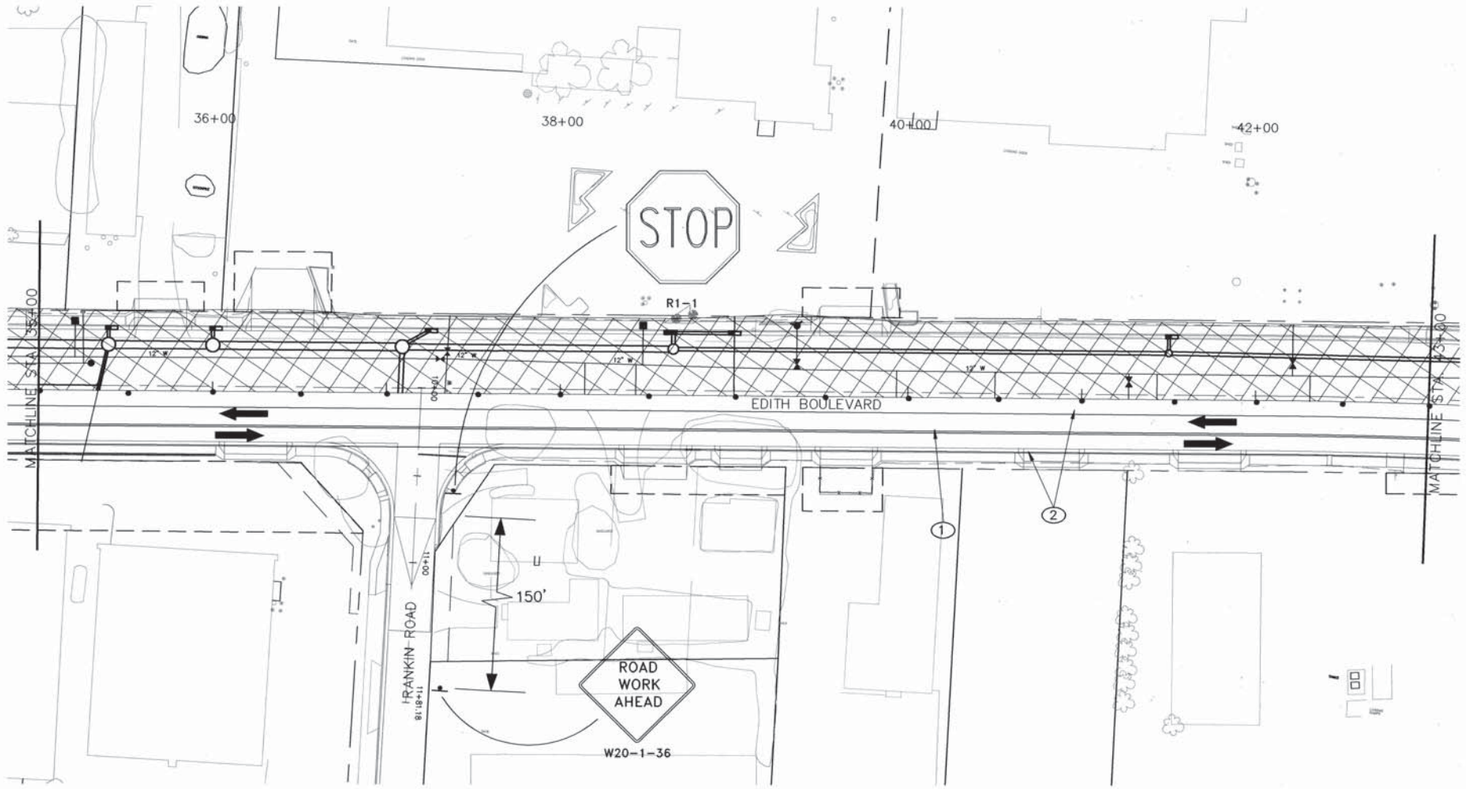

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

1. TEMPORARY DOUBLE YELLOW STRIPE
2. TEMPORARY SINGLE WHITE STRIPE
3. TEMPORARY DASHED WHITE STRIPE

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS AND CONSTRUCTION PROJECT MANAGER TO ENSURE ACCESS FOR ALL DRIVEWAYS ON EDITH BLVD.

RECORD DRAWING

LEGEND

- • TRAFFIC DRUMS AT 50' O.C. (UNLESS OTHERWISE NOTED)
- TT BARRICADE
- CONSTRUCTION SIGN
- TRAFFIC FLOW
- FLAGGER
- STAGE 1 CONSTRUCTION (INSTALL TEMPORARY PAVEMENT)
- STAGE 2 CONSTRUCTION (BUILD NEW NB LANES)
- STAGE 3 CONSTRUCTION (BUILD NEW SB LANES & TWLTL)

PB Parsons Brinckerhoff

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION

		DATE
CONTRACTOR	A.S. HORNER	
WORK VERIFIED BY	SAUDER MILLER	3/09
INSPECTOR'S INITIALS	BLPWD	1/09
FIELD VERIFICATION BY	BLPWD	1/09
DRAWING CORRECTED BY	P.B.	5/09

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

ENGINEER'S SEAL
KAREN ASPELIN NEW MEXICO 13293 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

DESIGN

		DATE
DESIGNED BY	KA	8/1/06
DRAWN BY	BM	8/1/06
CHECKED BY	NA	8/2/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TRAFFIC CONTROL DRAWINGS STAGE 3

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	6-28

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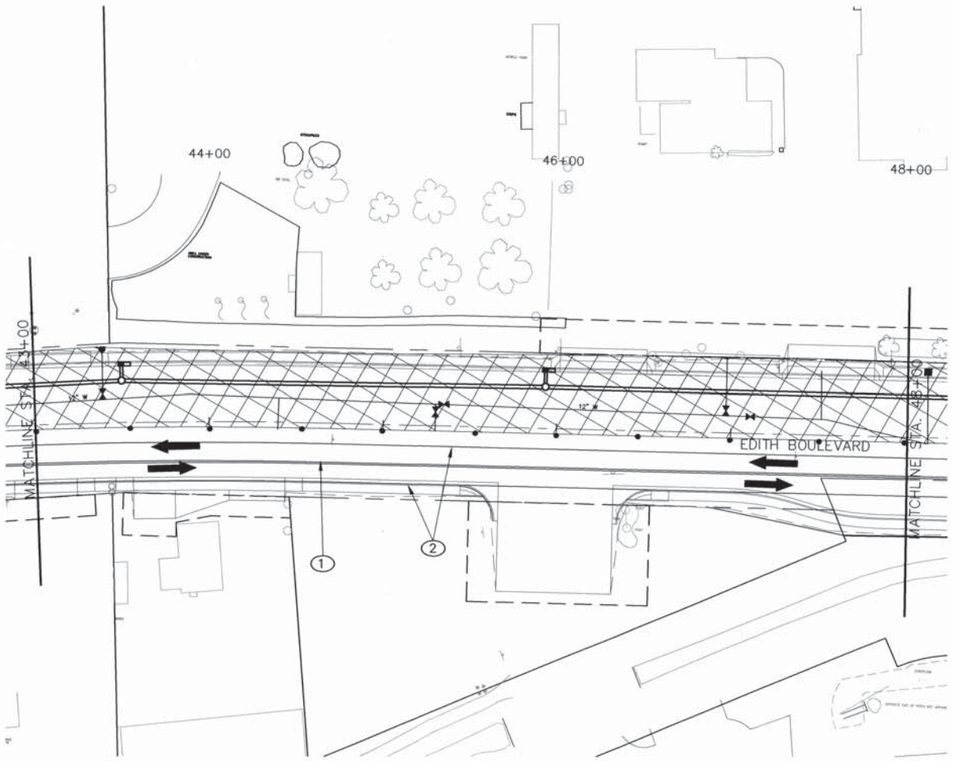

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

1. TEMPORARY DOUBLE YELLOW STRIPE
2. TEMPORARY SINGLE WHITE STRIPE
3. TEMPORARY DASHED WHITE STRIPE

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS AND CONSTRUCTION PROJECT MANAGER TO ENSURE ACCESS FOR ALL DRIVEWAYS ON EDITH BLVD.

RECORD DRAWING

LEGEND

- TRAFFIC DRUMS AT 50' O.C. (UNLESS OTHERWISE NOTED)
- BARRICADE
- CONSTRUCTION SIGN
- TRAFFIC FLOW
- FLAGGER
- STAGE 1 CONSTRUCTION (INSTALL TEMPORARY PAVEMENT)
- STAGE 2 CONSTRUCTION (BUILD NEW NB LANES)
- STAGE 3 CONSTRUCTION (BUILD NEW SB LANES & TWLTL)

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HARVEER
WORK STAKED BY SOUDERMILLER 1/06 DATE
INSPECTION PERFORMED BY BCPWD 1/09 DATE
FIELD VERIFICATION BY BCPWD 1/09 DATE
DRAWING CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES BY DATE
NO.

ENGINEER'S SEAL
KAREN ASPELIN NEW MEXICO 13293 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY KA	DATE 8/1/06
		DRAWN BY BM	DATE 8/1/06
		CHECKED BY NA	DATE 8/2/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TRAFFIC CONTROL DRAWINGS STAGE 3

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	6-29

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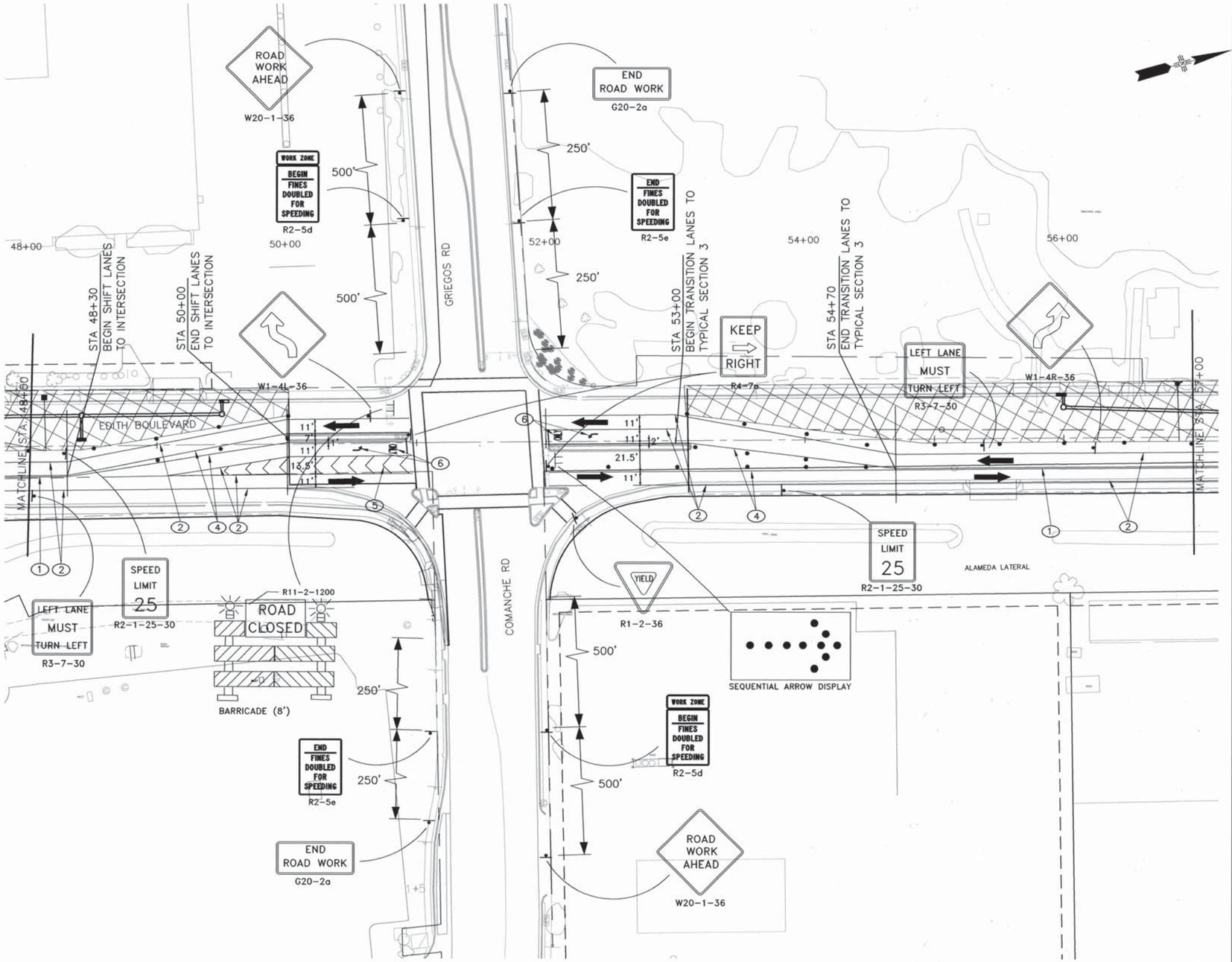

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

1. TEMPORARY DOUBLE YELLOW STRIPE
2. TEMPORARY SINGLE WHITE STRIPE
3. TEMPORARY DASHED WHITE STRIPE
4. TEMPORARY SINGLE YELLOW STRIPE
5. TEMPORARY 8" YELLOW STRIPE
6. TEMPORARY WHITE PAINTED PAVEMENT MARKING (SYMBOL AS SHOWN ON PLANS)

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS AND CONSTRUCTION PROJECT MANAGER TO ENSURE ACCESS FOR ALL DRIVEWAYS ON EDITH BLVD.

RECORD DRAWING

LEGEND

- • TRAFFIC DRUMS AT 50' O.C. (UNLESS OTHERWISE NOTED)
- TT BARRICADE
- CONSTRUCTION SIGN
- → TRAFFIC FLOW
- FLAGGER
- STAGE 1 CONSTRUCTION (INSTALL TEMPORARY PAVEMENT)
- STAGE 2 CONSTRUCTION (BUILD NEW NB LANES)
- STAGE 3 CONSTRUCTION (BUILD NEW SB LANES & TWLTL)

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNYDER MILLER 1/09 DATE
INSPECTION ACCEPTANCE BY B.PVD 1/09 DATE
VERIFICATION BY BCPWD 1/09 DATE
CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM. 9-F15", spoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
KAREN ASPELIN
NEW MEXICO
13293
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY KA	DATE 8/1/06
		DRAWN BY BM	DATE 8/1/06
		CHECKED BY NA	DATE 8/2/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TRAFFIC CONTROL DRAWINGS STAGE 3

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	6-30

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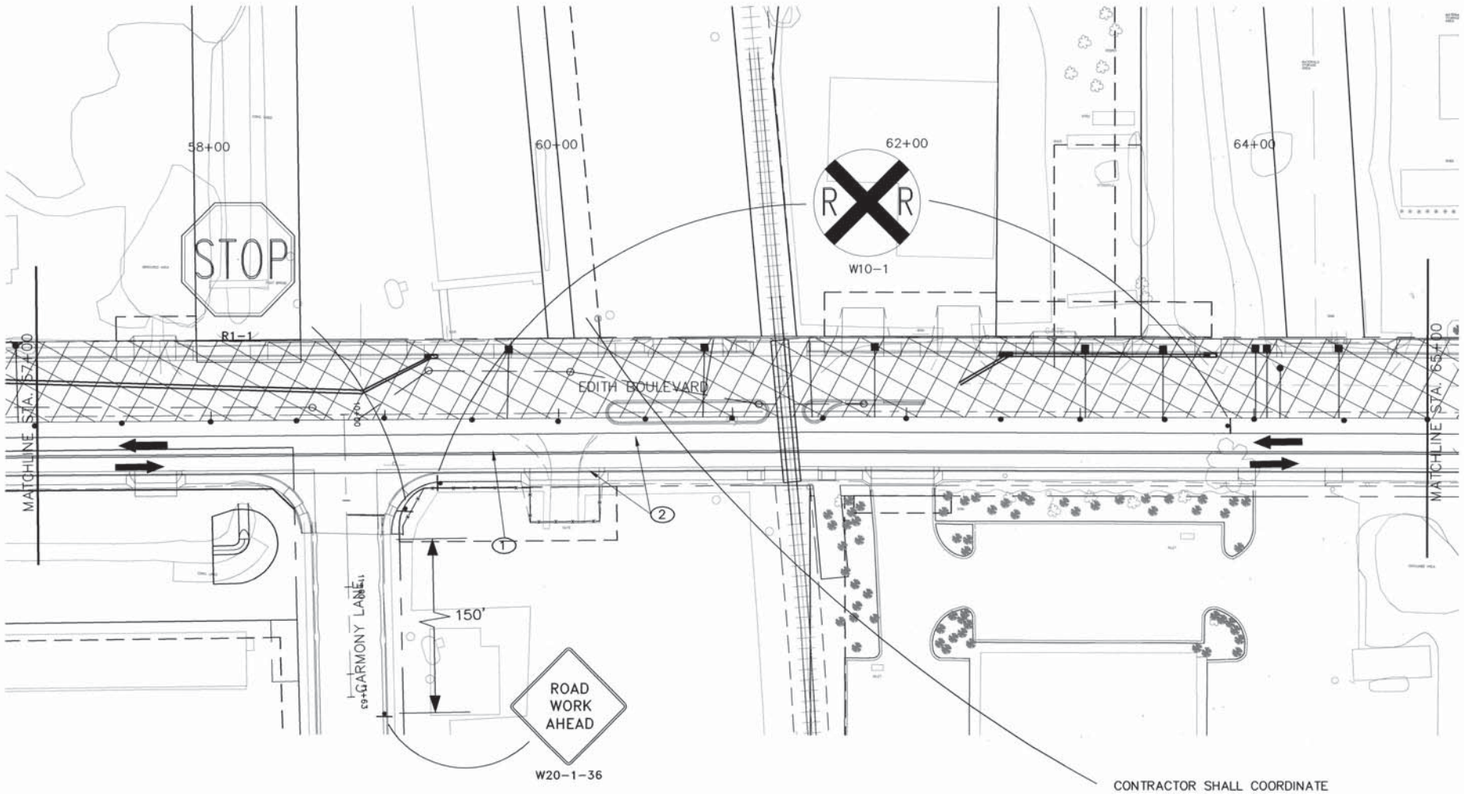

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

1. TEMPORARY DOUBLE YELLOW STRIPE
2. TEMPORARY SINGLE WHITE STRIPE
3. TEMPORARY DASHED WHITE STRIPE

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS AND CONSTRUCTION PROJECT MANAGER TO ENSURE ACCESS FOR ALL DRIVEWAYS ON EDITH BLVD.
2. CONTRACTOR SHALL COORDINATE WITH RAILROAD OPERATORS TO ENSURE TRAFFIC CLOSURES DURING TRAIN CROSSINGS.

RECORD DRAWING

LEGEND

- TRAFFIC DRUMS AT 50' O.C. (UNLESS OTHERWISE NOTED)
- BARRICADE
- CONSTRUCTION SIGN
- TRAFFIC FLOW
- FLAGGER
- STAGE 1 CONSTRUCTION (INSTALL TEMPORARY PAVEMENT)
- STAGE 2 CONSTRUCTION (BUILD NEW NB LANES)
- STAGE 3 CONSTRUCTION (BUILD NEW SB LANES & TWLTL)

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNIDER MILLER 1/08 DATE
INSPECTOR'S FIELD CHANGE BY BCPWD 1/09 DATE
AS-BUILT VERIFICATION BY BCPWD 1/09 DATE
CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM. 9-F15", spoiled to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
BY DATE
NO.

ENGINEER'S SEAL
KAREN ASPELIN NEW MEXICO 13293 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY KA	DATE 8/1/06
		DRAWN BY BM	DATE 8/1/06
		CHECKED BY NA	DATE 8/2/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TRAFFIC CONTROL DRAWINGS STAGE 3

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	6-31

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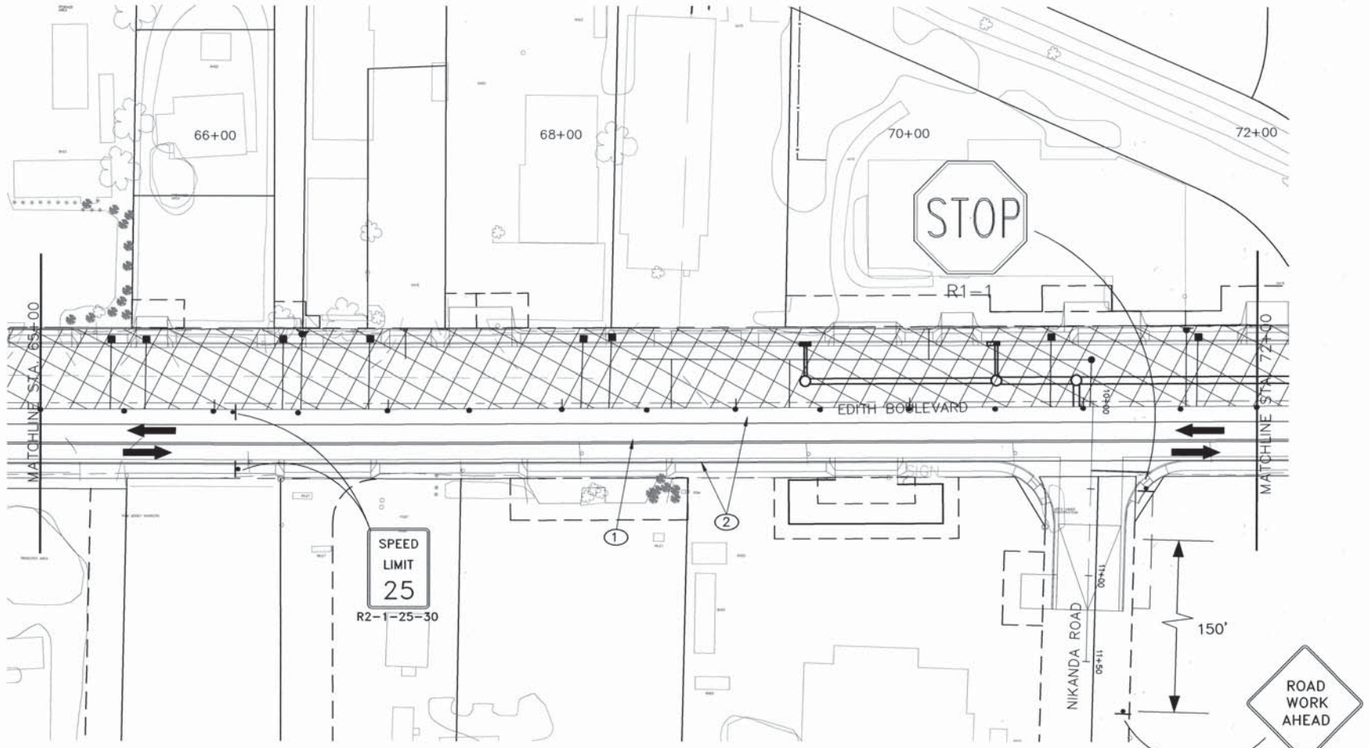

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

1. TEMPORARY DOUBLE YELLOW STRIPE
2. TEMPORARY SINGLE WHITE STRIPE
3. TEMPORARY DASHED WHITE STRIPE

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS AND CONSTRUCTION PROJECT MANAGER TO ENSURE ACCESS FOR ALL DRIVEWAYS ON EDITH BLVD.

RECORD DRAWING

LEGEND

- TRAFFIC DRUMS AT 50' O.C. (UNLESS OTHERWISE NOTED)
- TT BARRICADE
- CONSTRUCTION SIGN
- TRAFFIC FLOW
- FLAGGER
- STAGE 1 CONSTRUCTION (INSTALL TEMPORARY PAVEMENT)
- STAGE 2 CONSTRUCTION (BUILD NEW NB LANES)
- STAGE 3 CONSTRUCTION (BUILD NEW SB LANES & TWLTL)

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER DATE
STAKING MARKED BY SNYDER MILLER 1/08 DATE
INSPECTOR'S AS-BUILT CHANGES BY BCPWD 1/09 DATE
FIELD VERIFICATION BY BCPWD 1/09 DATE
AS-BUILT CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. DATE BY

ENGINEER'S SEAL
KAREN ASPELIN NEW MEXICO 13293 REGISTERED PROFESSIONAL ENGINEER 8-2-07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY KA	DATE 8/1/06
		DRAWN BY BM	DATE 8/1/06
		CHECKED BY NA	DATE 8/2/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TRAFFIC CONTROL DRAWINGS STAGE 3

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 6-32

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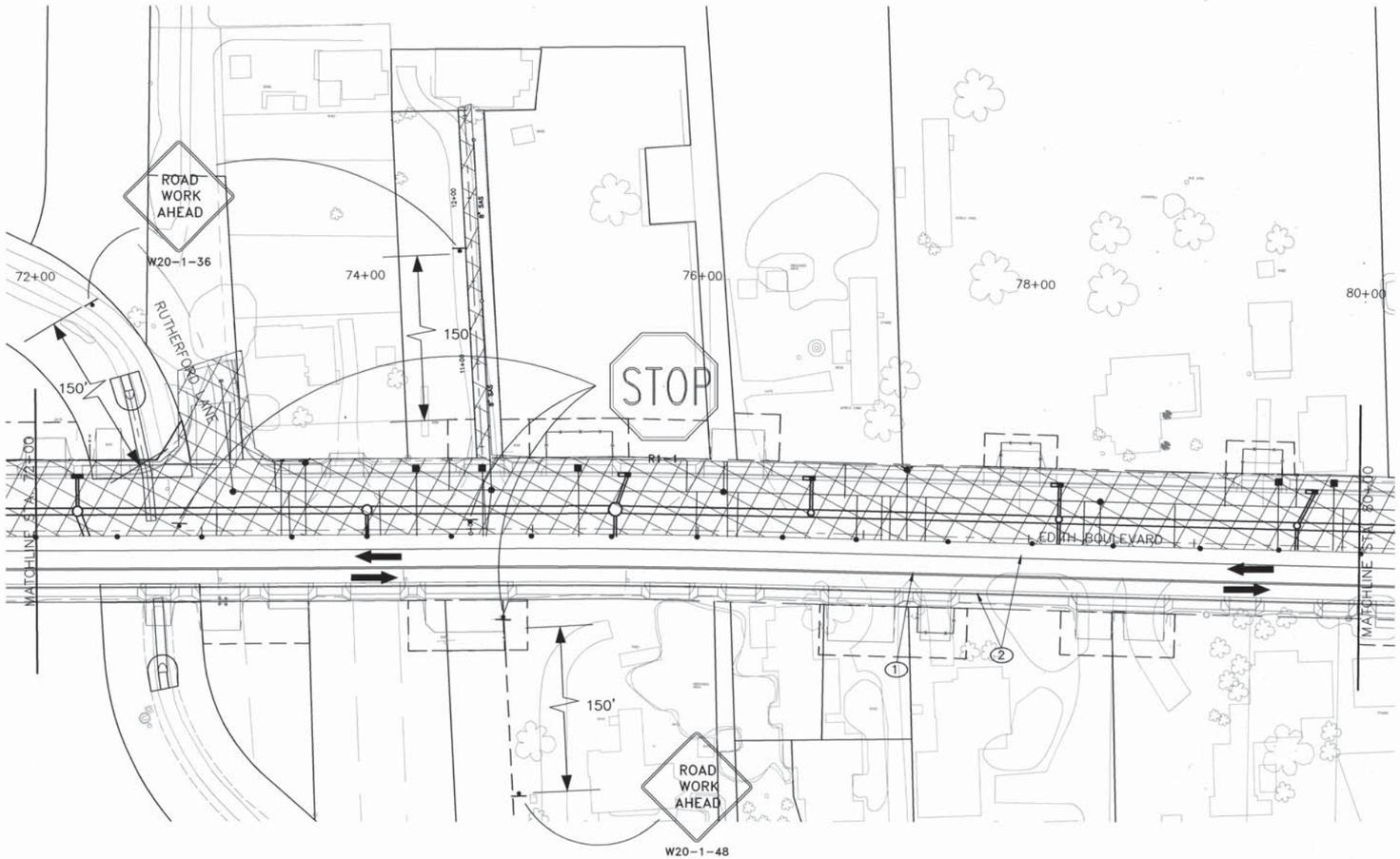

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

1. TEMPORARY DOUBLE YELLOW STRIPE
2. TEMPORARY SINGLE WHITE STRIPE
3. TEMPORARY DASHED WHITE STRIPE

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS AND CONSTRUCTION PROJECT MANAGER TO ENSURE ACCESS FOR ALL DRIVEWAYS ON EDITH BLVD.
2. CONTRACTOR SHALL MAINTAIN ACCESS TO RUTHERFORDLANE FROM EDITH BLVD AT ALL TIMES. WHERE FEASIBLE, CONSTRUCTION SHALL BE CONDUCTED IN HALF SECTIONS. OTHERWISE, SINGLE LANE WITH FLAGGERS OR OTHER TRAFFIC CONTROL MEASURE AS APPROVED BY PROJECT MANAGER SHALL BE USED.

RECORD DRAWING

LEGEND

- • TRAFFIC DRUMS AT 50' O.C. (UNLESS OTHERWISE NOTED)
- TT BARRICADE
- CONSTRUCTION SIGN
- → TRAFFIC FLOW
- FLAGGER
- STAGE 1 CONSTRUCTION (INSTALL TEMPORARY PAVEMENT)
- STAGE 2 CONSTRUCTION (BUILD NEW NB LANES)
- STAGE 3 CONSTRUCTION (BUILD NEW SB LANES & TWLTL)

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HARNER
WORK STAKED BY SAUDER MILLER 1/08 DATE
INSPECTOR'S FIELD ANCE BY BCPWD 1/09 DATE
CERTIFICATION BY BCPWD 1/09 DATE
CONSTRUCTION CORRECTED BY P.B. 5/09 DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15". epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES BY DATE NO.

ENGINEER'S SEAL
KAREN ASPELIN NEW MEXICO (13293) REGISTERED PROFESSIONAL ENGINEER

MICRO-FILM INFORMATION
RECORDED BY DATE NO.

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY KA	DATE 8/1/06
		DRAWN BY BM	DATE 8/1/06
		CHECKED BY NA	DATE 8/2/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TRAFFIC CONTROL DRAWINGS STAGE 3

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	6-33

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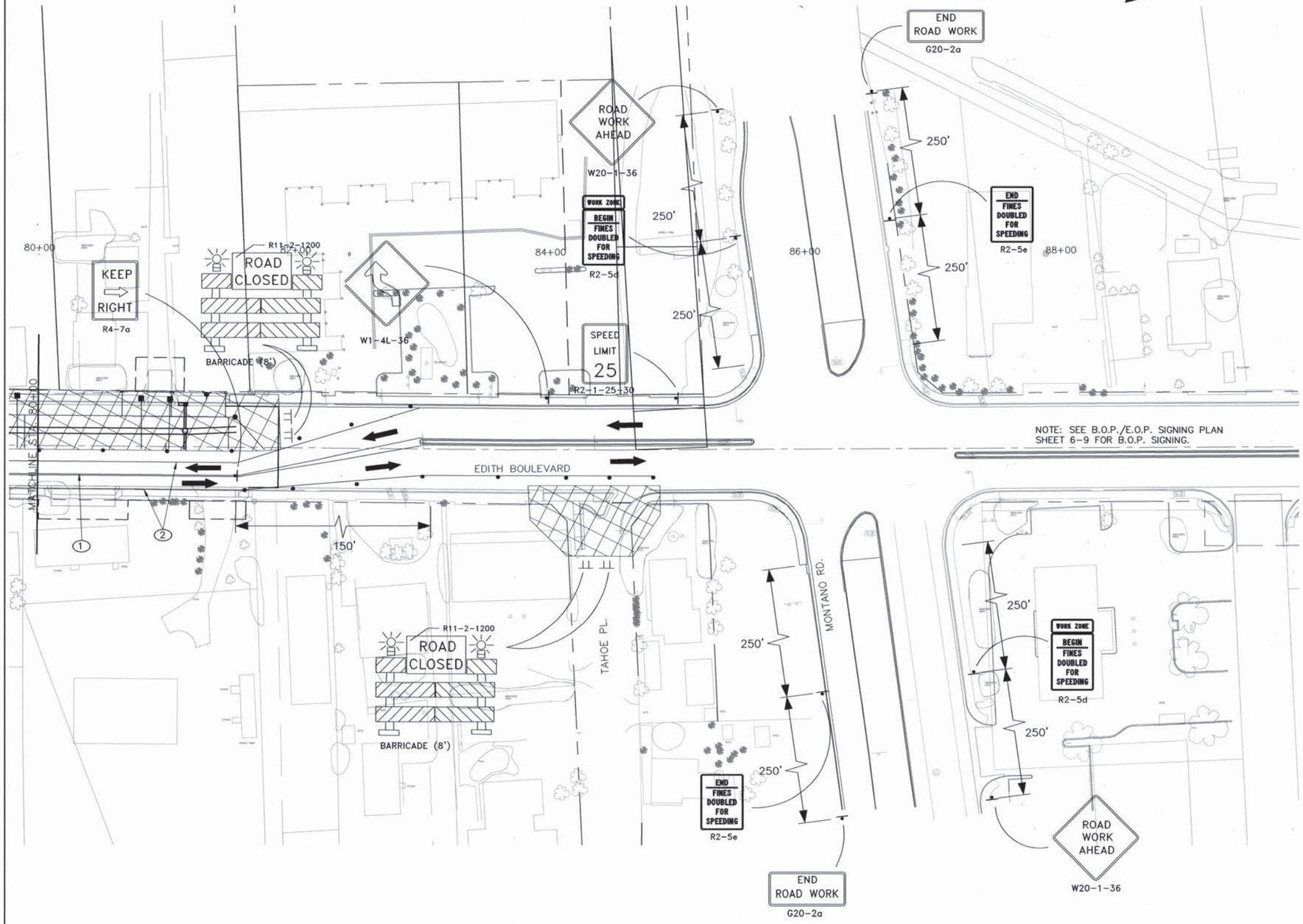

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

1. TEMPORARY DOUBLE YELLOW STRIPE
2. TEMPORARY SINGLE WHITE STRIPE
3. TEMPORARY DASHED WHITE STRIPE

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS AND CONSTRUCTION PROJECT MANAGER TO ENSURE ACCESS FOR ALL DRIVEWAYS ON EDITH BLVD. .

RECORD DRAWING

LEGEND

- TRAFFIC DRUMS AT 50' O.C. (UNLESS OTHERWISE NOTED)
- TT BARRICADE
- CONSTRUCTION SIGN
- TRAFFIC FLOW
- FLAGGER
- STAGE 1 CONSTRUCTION (INSTALL TEMPORARY PAVEMENT)
- STAGE 2 CONSTRUCTION (BUILD NEW NB LANES)
- STAGE 3 CONSTRUCTION (BUILD NEW SB LANES & TWLTL)

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HARNER
WORK STAKED BY SNYDER MILLER 1/08 DATE
INSPECTION BY BCPWD 1/09 DATE
ACCEPTANCE BY BCPWD 1/09 DATE
VERIFICATION BY BCPWD 1/09 DATE
CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
KAREN ASPELIN
NEW MEXICO
(13293)
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY	DESIGN	DATE
				DESIGNED BY KA	8/1/06
				DRAWN BY BM	8/1/06
				CHECKED BY NA	8/2/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

TRAFFIC CONTROL DRAWINGS STAGE 3

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	6-34

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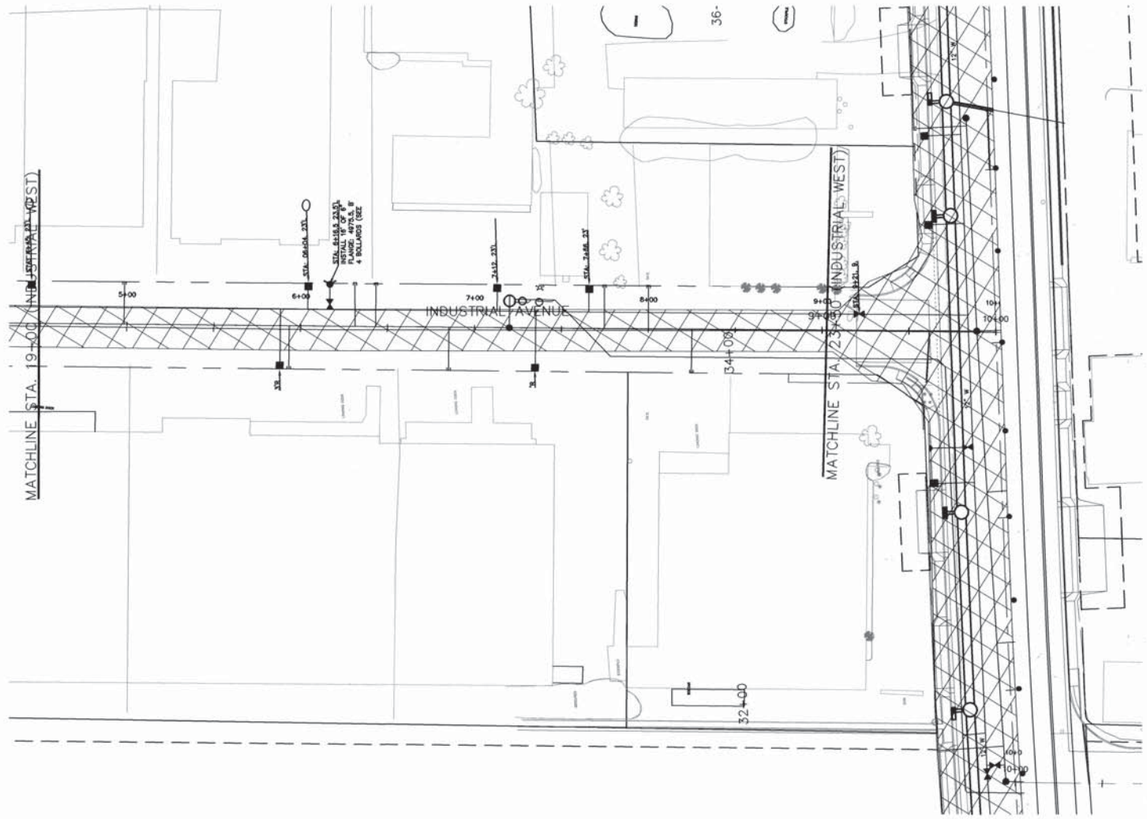

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

1. TEMPORARY DOUBLE YELLOW STRIPE
2. TEMPORARY SINGLE WHITE STRIPE
3. TEMPORARY DASHED WHITE STRIPE

GENERAL NOTES

1. CONTRACTOR SHALL MAINTAIN ACCESS TO INDUSTRIAL AVENUE FROM EDITH BLVD AT ALL TIMES. WHERE FEASIBLE, CONSTRUCTION SHALL BE CONDUCTED IN HALF SECTIONS. OTHERWISE, SINGLE LANE WITH FLAGGERS OR OTHER TRAFFIC CONTROL MEASURE AS APPROVED BY PROJECT MANAGER SHALL BE USED. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS AND CONSTRUCTION PROJECT MANAGER TO ENSURE ACCESS FOR ALL DRIVEWAYS ON INDUSTRIAL AVENUE.

LEGEND

- TRAFFIC DRUMS AT 50' O.C. (UNLESS OTHERWISE NOTED)
- TT BARRICADE
- CONSTRUCTION SIGN
- TRAFFIC FLOW
- FLAGGER
- STAGE 1 CONSTRUCTION (INSTALL TEMPORARY PAVEMENT)
- STAGE 2 CONSTRUCTION (BUILD NEW NB LANES)
- STAGE 3 CONSTRUCTION (BUILD NEW SB LANES & TWLTL)

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HARVER DATE
WORK STAKED BY SNYDER MILLER 7/06 DATE
INSPECTOR'S ACCEPTANCE BY BCPWD 1/07 DATE
VERIFICATION BY BCPWD 1/07 DATE
CORRECTED BY P.B. 5/07 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
KAREN ASPELIN NEW MEXICO (13293) REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY KA	DATE 8/1/06
		DRAWN BY BM	DATE 8/1/06
		CHECKED BY NA	DATE 8/2/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TRAFFIC CONTROL DRAWINGS STAGE 3

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	6-35

RECORD DRAWING

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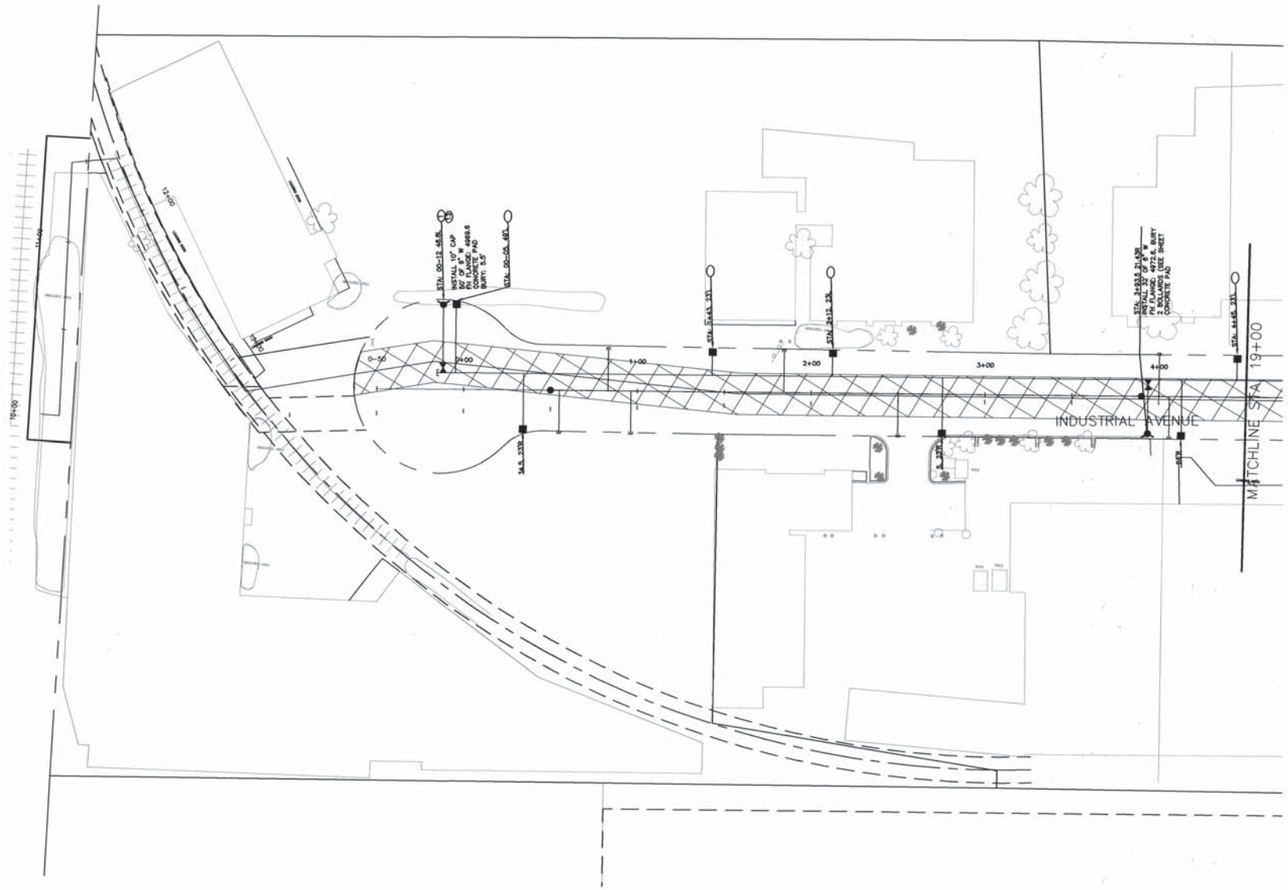

RECORD DRAWING

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

1. TEMPORARY DOUBLE YELLOW STRIPE
2. TEMPORARY SINGLE WHITE STRIPE
3. TEMPORARY DASHED WHITE STRIPE

GENERAL NOTES

1. CONTRACTOR SHALL MAINTAIN ACCESS TO INDUSTRIAL AVENUE FROM EDITH BLVD AT ALL TIMES. WHERE FEASIBLE, CONSTRUCTION SHALL BE CONDUCTED IN HALF SECTIONS. OTHERWISE, SINGLE LANE WITH FLAGGERS OR OTHER TRAFFIC CONTROL MEASURE AS APPROVED BY PROJECT MANAGER SHALL BE USED. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS AND CONSTRUCTION PROJECT MANAGER TO ENSURE ACCESS FOR ALL DRIVEWAYS ON INDUSTRIAL AVENUE.

LEGEND

- • TRAFFIC DRUMS AT 50' O.C. (UNLESS OTHERWISE NOTED)
- TT BARRICADE
- CONSTRUCTION SIGN
- TRAFFIC FLOW
- FLAGGER
- STAGE 1 CONSTRUCTION (INSTALL TEMPORARY PAVEMENT)
- STAGE 2 CONSTRUCTION (BUILD NEW NB LANES)
- STAGE 3 CONSTRUCTION (BUILD NEW SB LANES & TWLTL)

PB Parsons Brinckerhoff

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION
CONTRACTOR A.S. HARNER
WORK STAKED BY SOHLBERG MILLER 1/08 DATE
INSPECTION & FIELD CHANGES BY BCPWD 1/09 DATE
AS-BUILT CERTIFICATION BY BCPWD 1/09 DATE
AS-BUILT CHANGES CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
KAREN ASPELIN NEW MEXICO 13293 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

DESIGN

		DATE
DESIGNED BY	KA	8/1/06
DRAWN BY	BM	8/1/06
CHECKED BY	NA	8/2/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TRAFFIC CONTROL DRAWINGS STAGE 3

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F–15, G–15	6–36

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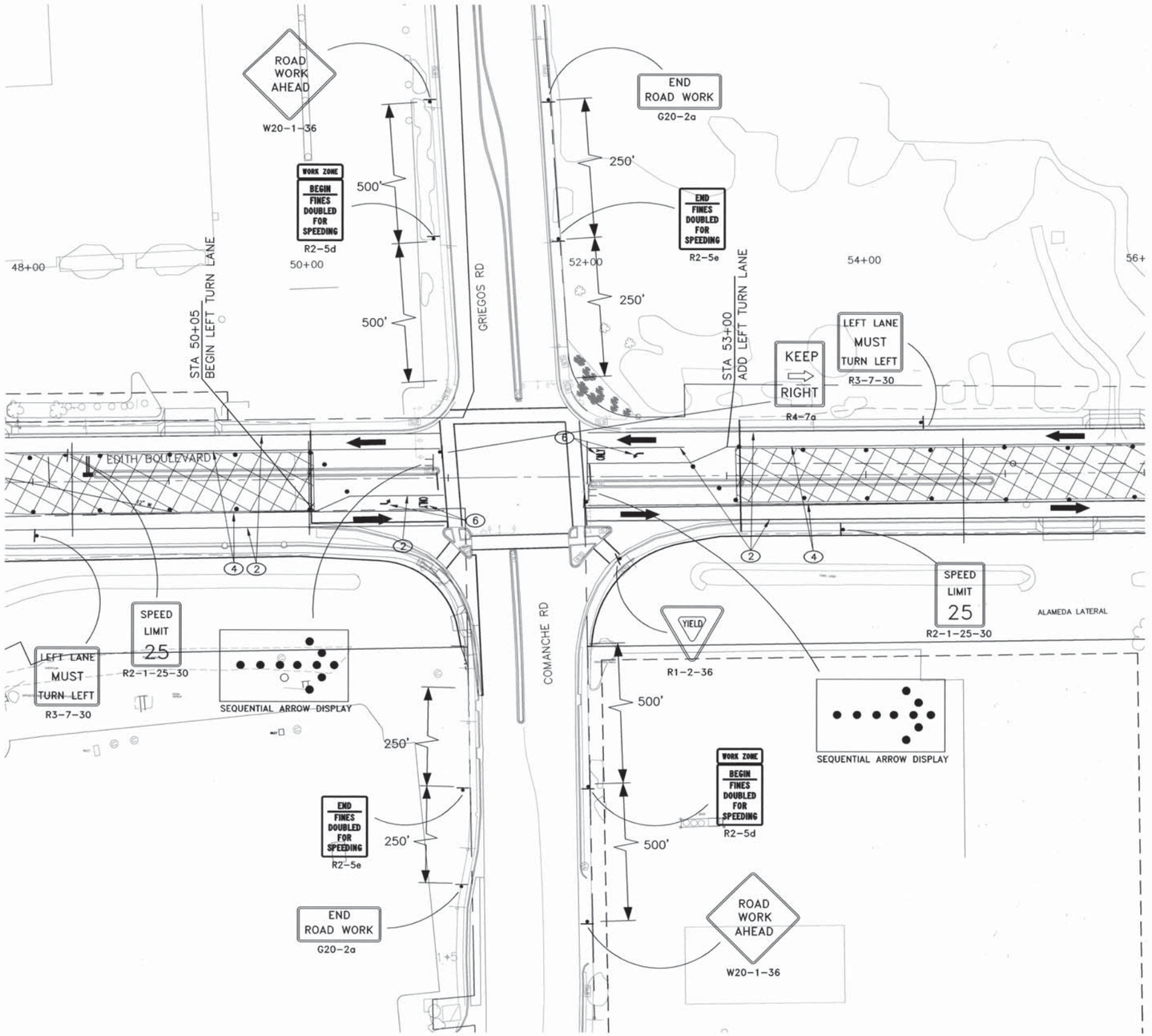

GRAPHIC SCALE

40 0 20 40 80

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

1. TEMPORARY DOUBLE YELLOW STRIPE
2. TEMPORARY SINGLE WHITE STRIPE
3. TEMPORARY DASHED WHITE STRIPE
4. TEMPORARY SINGLE YELLOW STRIPE
5. TEMPORARY 8" YELLOW STRIPE
6. TEMPORARY WHITE PAINTED PAVEMENT MARKING (SYMBOL AS SHOWN ON PLANS)

GENERAL NOTES

1. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS AND CONSTRUCTION PROJECT MANAGER TO ENSURE ACCESS FOR ALL DRIVEWAYS ON EDITH BLVD.

2. MEDIAN WORK NEAR THE COMANCHE INTERSECTION SHALL BE COMPLETED DURING PHASE 4A. DURING PHASE 4B THE INTERSECTION SHALL BE LAID OUT USING THE FINAL DESIGN STRIPING CONFIGURATION.

LEGEND

- • TRAFFIC DRUMS AT 50' O.C. (UNLESS OTHERWISE NOTED)
- TT BARRICADE
- CONSTRUCTION SIGN
- → TRAFFIC FLOW
- FLAGGER
- STAGE 4A CONSTRUCTION (BUILD NEW SB LANES & TWLTL)

RECORD DRAWING

PB Parsons Brinckerhoff

AS BUILT INFORMATION

CONTRACTOR A.S. HARNER DATE
WORK STAKED BY SNIDER MILLER 3/06 DATE
INSPECTOR'S FIELD NOTES BY BC PWD 1/09 DATE
FIELD VERIFICATION BY BC PWD 1/09 DATE
AS-BUILTS CORRECTED BY P. B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

KAREN ASPELIN NEW MEXICO (13293) REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY KA	DATE 8/1/06
		DRAWN BY BM	DATE 8/1/06
		CHECKED BY NA	DATE 8/2/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
TRAFFIC CONTROL DRAWINGS STAGE 4A

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	6-37

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SIGN AND POST SCHEDULE

SIGN CODE	MESSAGE	NO. SIGNS	TOTAL SIGN AREA (SQ. FT.)	POST LENGTHS (LIN. FT.) LEFT	CTR.	RIGHT	TOTAL	POST TYPE/SIZE	BASE POST LENGTH (LIN. FT.)
D3-1A-24	EDITH BLVD	9	12.0		*		*		*
D3-1B-32	MARTINEZ LN	1	1.8		*		*		*
D3-1C-36	INDUSTRIAL AVE	2	4.0		*		*		*
D3-1D-26	RANKIN RD	1	1.4		*		*		*
D3-1E-32	CARMONY LN	1	1.8		*		*		*
D3-1F-30	NIKANDA RD	1	1.7		*		*		*
D3-1G-36	RUTHERFORD LN	1	2.0		*		*		*
D3-1H-24	TAHOE PL	2	2.7		*		*		*
D3-1J-24	TAHOE DR	2	2.7		*		*		*
D3-1K-32	MONTANO RD	1	1.8		*		*		*
D3-1L-36	EARTH VALLEY	1	2.0		*		*		*
D3-1M-42	4019 EDITH BLVD	1	2.3		*		*		
D11-1-24	BIKE ROUTE	14	42.0		56		56	SQUARE TUBING (12 ga), 2" x 2"	24.5
R1-1-30	STOP	14	87.5		154		154	SQUARE TUBING (12 ga), 2" x 2"	49
R2-1-24-35	SPEED LIMIT 35	8	40.0		18		18	SQUARE TUBING (12 ga), 2" x 2"	7
R3-1-24	(NO RIGHT TURN)	1	8.0		9		9	SQUARE TUBING (12 ga), 2" x 2"	3.5
R3-2-24	(NO LEFT TURN)	1	8.0		9		9	SQUARE TUBING (12 ga), 2" x 2"	3.5
R3-4-24	(NO U TURN)	1	8.0		9		9	SQUARE TUBING (12 ga), 2" x 2"	3.5
R3-5R-30	(RIGHT TURN ARROW) ONLY	5	37.5		20		20	SQUARE TUBING (12 ga), 2" x 2"	7
R3-9b-24	CENTER LANE (TWO-WAY LEFT-TURN ARROWS) ONLY	8	48.0		50		50	SQUARE TUBING (12 ga), 2" x 2"	17.5
R4-7-24	(KEEP RIGHT)	4	20.0		36		36	SQUARE TUBING (12 ga), 2" x 2"	14
W10-1-36	(RAILROAD CROSSING WARNING)	2	18.0		20		20	SQUARE TUBING (12 ga), 2" x 2"	7
R15-1-48	RAILROAD CROSSING	2	12.0		*		*		*
W11-2-30	(PEDESTRIAN WARNING)	2	12.5		9		9	SQUARE TUBING (12 ga), 2" x 2"	3.5
W16-7pr-24	(DIAGONAL ARROW DOWN RIGHT)	1	2.0		*		*		*
			379.6				390.0		140.0

**NO POST NEEDED - SIGN TO BE MOUNTED ON MASTARM OR ON COMMON POST WITH ANOTHER SIGN*

PERMANENT SIGNING AND MARKING
SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNITS	TOTAL	USE
701000	PANEL SIGNS	SQ.FT.	380	380
701100	STEEL POST AND BASE POST FOR ALUMINUM PANEL SIGNS	LIN.FT.	530	530
704204	RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE 4"	LIN.FT.	22,200	23,000
704212	RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE 12"	LIN.FT.	1,600	1,600
704224	RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE 24"	LIN.FT.	150	150
704320	RETROREFLECTORIZED PLASTIC RIGHT ARROW	EACH	6	6
704330	RETROREFLECTORIZED PLASTIC LEFT ARROW	EACH	56	56
704400	RETROREFLECTORIZED PLASTIC WORD (ONLY)	EACH	12	12
~~704530~~	~~RETROREFLECTORIZED PLASTIC HANDICAPPED SYMBOL~~	~~EACH~~	~~1~~	~~1~~
704600	RETROREFLECTORIZED PLASTIC RAILROAD CROSSING	EACH	4	4
721000	REMOVAL OF PAVEMENT STRIPE	LIN.FT.	1,000	1,000
721101	REMOVAL OF PAVEMENT MARKING	EACH	8	8

NOTES:

1. ALL SIGNS, UNLESS OTHERWISE SPECIFIED, SHALL HAVE REFLECTIVITY III SHEETING FOR THE LEGEND, BORDER AND BACKGROUND. ONLY ALUMINUM PANEL SIGNS ARE PERMITTED.
2. QUANTITIES MAY VARY AS FIELD CONDITIONS DICTATE. THE CONTRACTOR WILL BE PAID FOR ACTUAL QUANTITIES USED.
3. ALL TRAFFIC CONTROL DEVICES SHALL COMPLY WITH N.M. INTERIM SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION (2005 EDITION) AND ANY APPLICABLE SPECIAL PROVISION AND/OR SUPPLEMENTAL SPECIFICATION, SPECIAL NOTES OF SECTIONS 701.215 AND 701.452 AND ALSO THE CURRENT EDITION, WITH REVISIONS, OF THE M.U.T.C.D.
4. EACH SIGN FACE SHOWN ON PLANS SHALL MEET THE SPECIFICATIONS IN THE STANDARD HIGHWAY SIGNS MANUAL (CURRENT EDITION) FOR PROPER ARRANGEMENT, SPACING OF LETTERS, LETTER HEIGHT, LETTER SERIES, SYMBOLS AND BORDERS FOR THE SPECIFIED SIZE AND MESSAGE AS SHOWN ON PLANS.
5. POST LENGTHS ARE BASED ON A MINIMUM OF 7 FT. FOR URBAN SECTIONS. SEE NMDOT STANDARD DRAWINGS 701-02 AND 701-03 AT THE END OF PLAN SET SECTION 7.
6. THE LATERAL CLEARANCE OF SIGNS SHALL BE NO CLOSER THAN 2 FT. FROM FACE OF CURB FOR URBAN AREAS.
7. ALL SIGNING HARDWARE, INCLUDING BRACKETS, ARE CONSIDERED INCIDENTAL TO SIGN INSTALLATION. NO PAYMENT WILL BE MADE THEREFOR.

AS BUILT INFORMATION
CONTRACTOR A.S. HARVEY
WORK STAKED BY SCHAEFER MILLER 3/08 DATE
INSPECTOR'S FIELD ASSISTANCE BY BCPWD 1/09 DATE
VERIFICATION BY BCPWD 1/09 DATE
CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM. 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
KAREN ASPELIN NEW MEXICO 13293 REGISTERED PROFESSIONAL ENGINEER 7-26-07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY KA	DATE 8/1/07
		DRAWN BY VRV	DATE 8/1/07
		CHECKED BY NA	DATE 8/1/07

RECORD DRAWING

PB Parsons BRINCKERHOFF

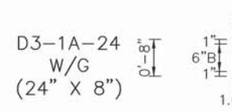
COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
PERMANENT SIGNING AND MARKING QUANTITIES

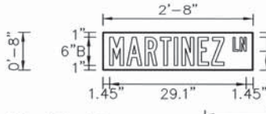
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 7-1

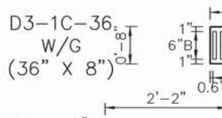
G:\33588_Edith\04 Engineering\Plans\Section 7\Signing and Striping.dwg 8/4/2007 10:38:11 AM MDT



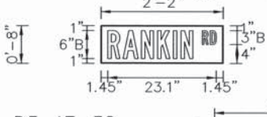
D3-1A-24
W/G
(24" X 8")



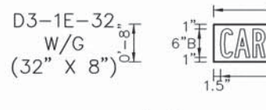
D3-1B-32
W/G
(32" X 8")



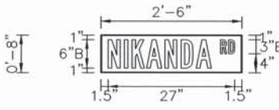
D3-1C-36
W/G
(36" X 8")



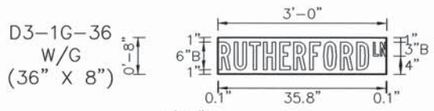
D3-1D-26
W/G
(26" X 8")



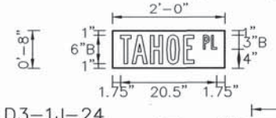
D3-1E-32
W/G
(32" X 8")



D3-1F-30
W/G
(30" X 8")

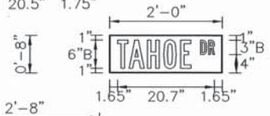


D3-1G-36
W/G
(36" X 8")



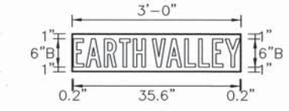
D3-1H-24
W/G
(24" X 8")

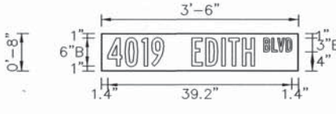
D3-1J-24
W/G
(24" X 8")



D3-1K-32
W/G
(32" X 8")

D3-1L-36
W/G
(36" X 8")





D3-1M-42
W/G
(42" X 8")

D11-1-24
B/W
(24" X 18")

R1-1-30
W/R
(30" X 30")

R2-1-24-35
B/W
(24" X 30")

R3-5R-30
B/W
(30" X 36")

R3-9B-24
B/W
(24" X 36")

R4-7-24
B/W
(24" X 30")

R3-1-24
R-B/W
(24" X 24")

R3-2-24
R-B/W
(24" X 24")

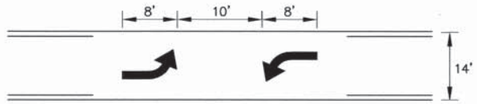
R3-4-24
R-B/W
(24" X 24")

W10-1-36
B/FY
(36" DIA.)

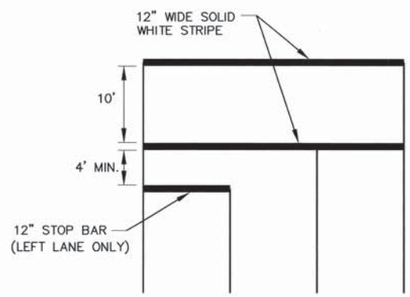
R15-1-48
B/W
(48" X 9")

W11-2-30
B/FY
(30" X 30")

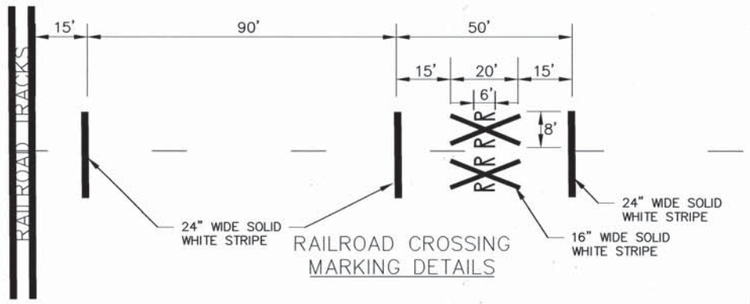
W16-7PR-24
B/FY
(24" X 12")



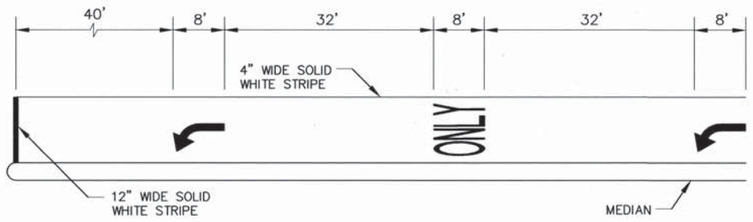
TWO-WAY LEFT TURN
LANE MARKING DETAILS



CROSSWALK DETAIL
FOR USE AT SIGNALIZED INTERSECTIONS ONLY



RAILROAD CROSSING
MARKING DETAILS



PAVEMENT MARKING SPACING

AS BUILT INFORMATION
CONTRACTOR A.S. BARKER
WORK STAKED BY SOUDER MILLER 1/08 DATE
INSPECTOR'S FIELD CHANGE BY BCPWD 1/09 DATE
FIELD VERIFICATION BY BCPWD 1/09 DATE
AS-BUILTS CORRECTED BY P.B. 8/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
KAREN ASPELIN
NEW MEXICO
13293
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY KA	DATE 8/1/07
		DRAWN BY VRV	DATE 8/1/07
		CHECKED BY NA	DATE 8/1/07

RECORD DRAWING

PB Parsons Brinckerhoff

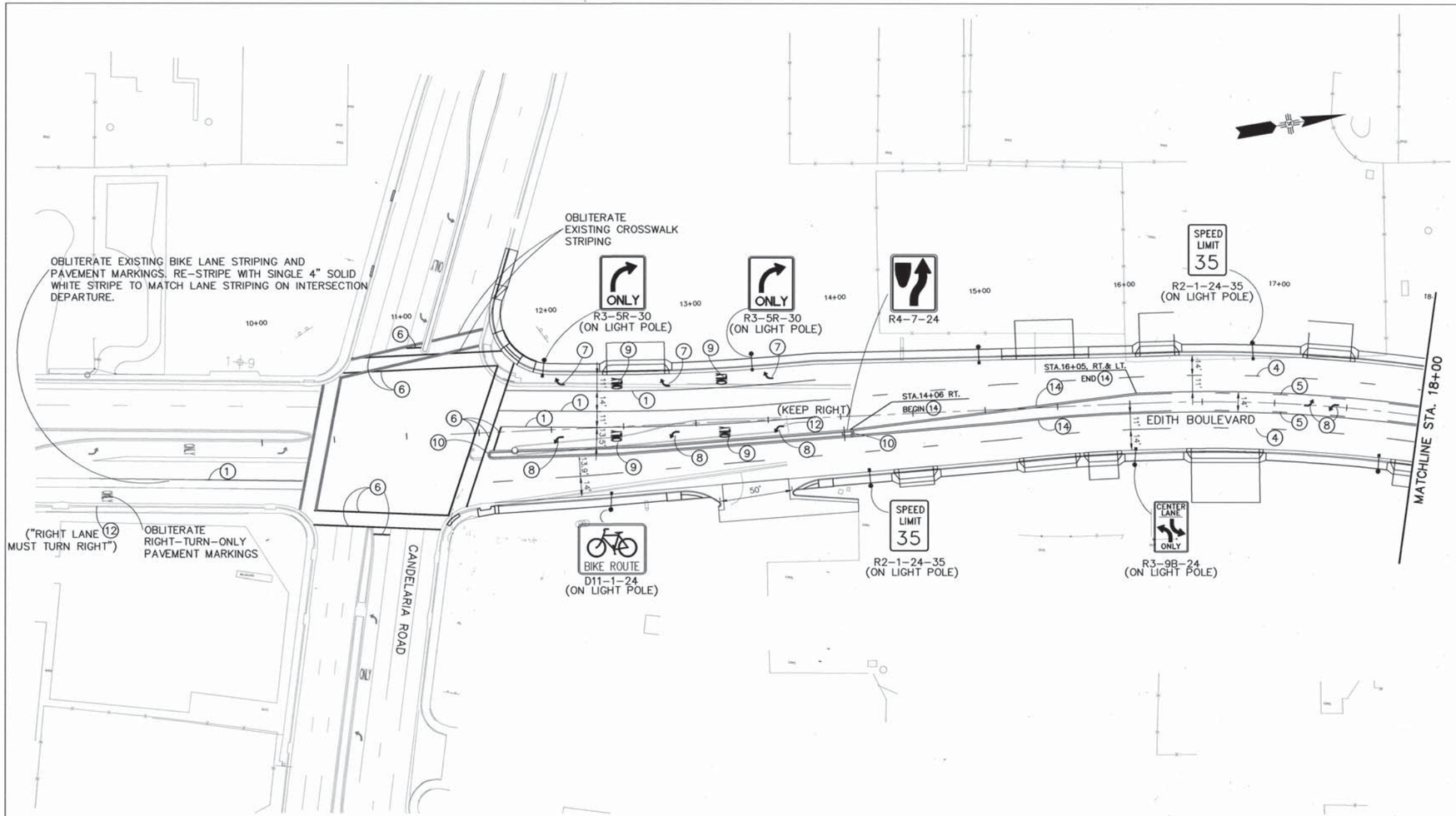
COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
SIGN FACE DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 7-2

G:\33588_Edith\04 Engineering\Plans\Section 7\Signing and Striping.dwg 8/4/2007 10:38:11 AM MDT



LEGEND

1. 4" SOLID WHITE – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE
2. 4" SOLID YELLOW – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE
3. 24" SOLID WHITE – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE
4. 4" BROKEN WHITE – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE (10' STRIPE, 30' GAP)
5. 4" SOLID/BROKEN DOUBLE YELLOW – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE
6. 12" SOLID WHITE – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE
7. RIGHT TURN ARROW – RETROREFLECTORIZED PLASTIC PAVEMENT MARKING
8. LEFT TURN ARROW – RETROREFLECTORIZED PLASTIC PAVEMENT MARKING
9. WORD "ONLY" – RETROREFLECTORIZED PLASTIC PAVEMENT MARKING
10. PAINT MEDIAN NOSE YELLOW
11. R X R PAVEMENT SYMBOL – RETROREFLECTORIZED PLASTIC PAVEMENT MARKING
12. REMOVE AND DISPOSE EXISTING SIGN & POST
13. MOUNT SIGN ON SIGNAL MASTARM
14. 4" SOLID DOUBLE YELLOW – RETROREFLECTORIZED PLASTIC PAVEMENT MARKINGS
15. EXISTING SIGN AND POST TO REMAIN

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

GENERAL NOTES

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER DATE
WORK STARTED ~~AS HORNER~~ DATE
WORK COMPLETED ~~AS HORNER~~ DATE
INSPECTOR'S SIGNATURE ~~BRWD~~ DATE
FIELD TAKE BY ~~BRWD~~ 1/09 DATE
VERIFICATION BY ~~BRWD~~ 1/09 DATE
DRAWINGS CORRECTED BY ~~BRWD~~ 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", spoiled to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
KAREN ASPELIN NEW MEXICO 13293 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY KA	DATE 8/1/07
		DRAWN BY VRV	DATE 8/1/07
		CHECKED BY NA	DATE 8/1/07

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
PERMANENT SIGNING & STRIPING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	7-3

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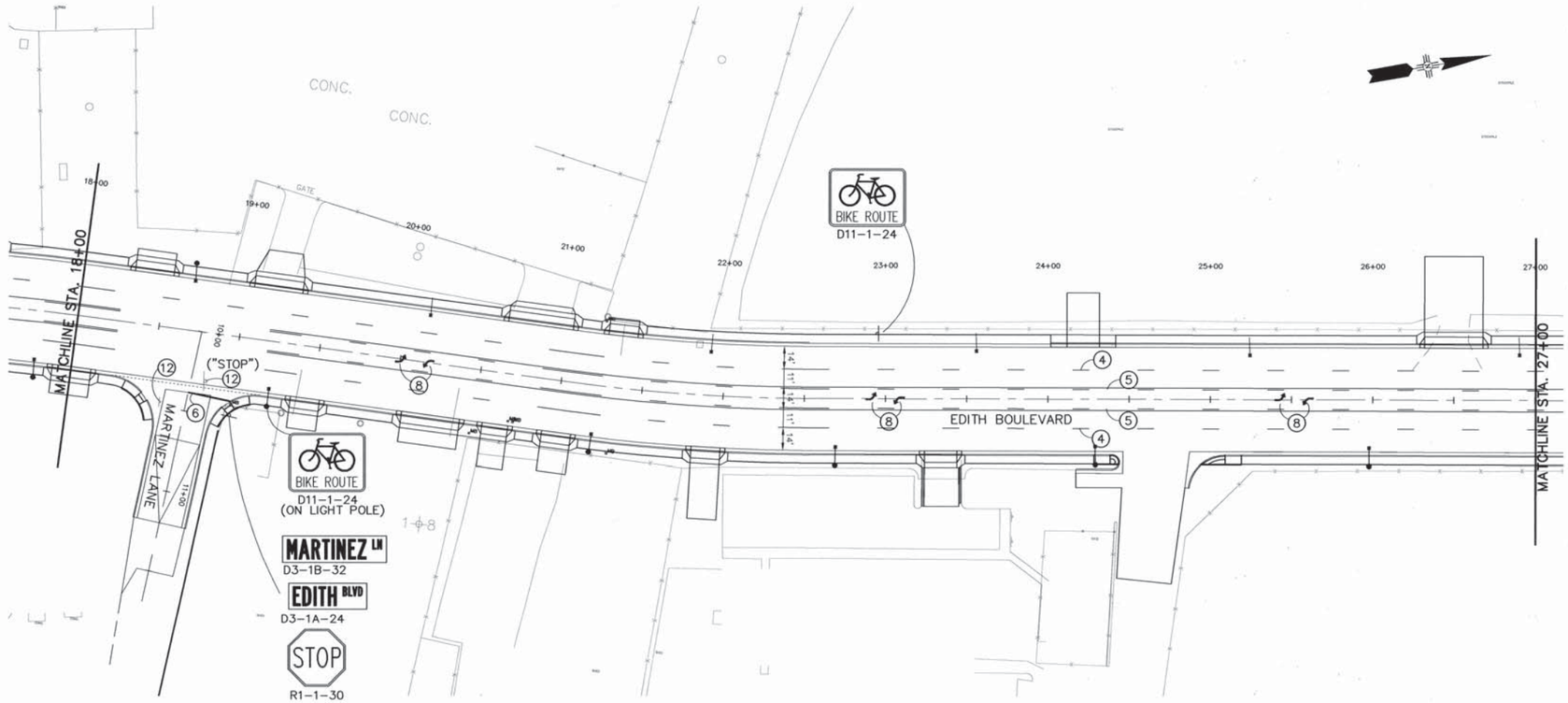

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

GENERAL NOTES

LEGEND

① 4" SOLID WHITE – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE
② 4" SOLID YELLOW – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE
③ 24" SOLID WHITE – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE
④ 4" BROKEN WHITE – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE (10' STRIPE, 30' GAP)
⑤ 4" SOLID/BROKEN DOUBLE YELLOW – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE
⑥ 12" SOLID WHITE – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE
⑦ RIGHT TURN ARROW – RETROREFLECTORIZED PLASTIC PAVEMENT MARKING
⑧ LEFT TURN ARROW – RETROREFLECTORIZED PLASTIC PAVEMENT MARKING
⑨ WORD "ONLY" – RETROREFLECTORIZED PLASTIC PAVEMENT MARKING
⑩ PAINT MEDIAN NOSE YELLOW
⑪ R X R PAVEMENT SYMBOL – RETROREFLECTORIZED PLASTIC PAVEMENT MARKING
⑫ REMOVE AND DISPOSE EXISTING SIGN & POST
⑬ MOUNT SIGN ON SIGNAL MASTARM
⑭ 4" SOLID DOUBLE YELLOW – RETROREFLECTORIZED PLASTIC PAVEMENT MARKINGS
⑮ EXISTING SIGN AND POST TO REMAIN

AS BUILT INFORMATION

CONTRACTOR A.S. HARNER
WORK STAKED BY SOLDER MILLER 1/09 DATE
INSPECTOR'S FIELD NOTES BY BCPWD 1/09 DATE
FIELD CHANGES BY BCPWD 1/09 DATE
VERIFICATION BY P.B. 5/09 DATE
CORRECTED BY MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
KAREN ASPELIN
NEW MEXICO
13293
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	KA	DATE 8/1/07
DRAWN BY	VRV	DATE 8/1/07
CHECKED BY	NA	DATE 8/1/07

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

PERMANENT SIGNING & STRIPING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	7-4

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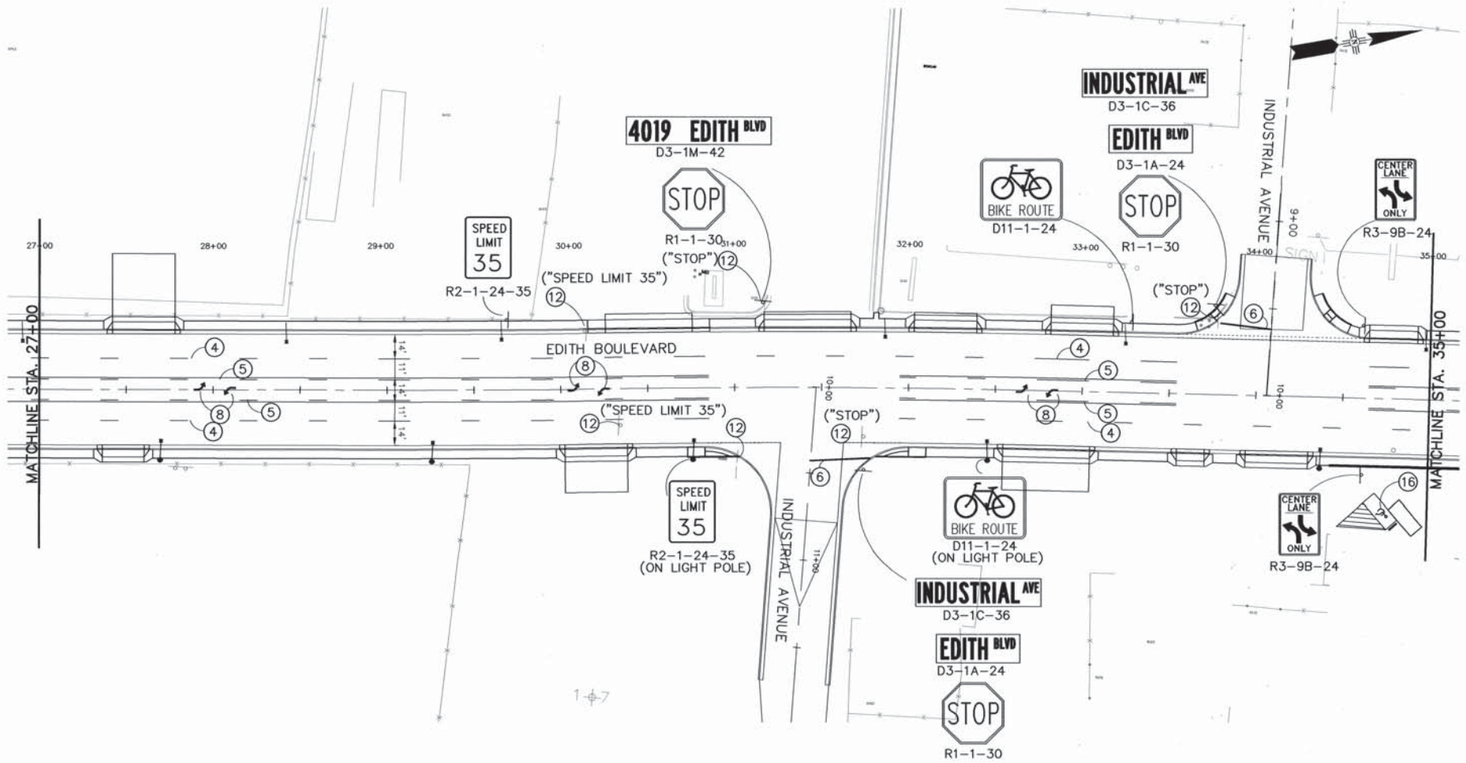

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

GENERAL NOTES

LEGEND

1. 4" SOLID WHITE – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE
2. 4" SOLID YELLOW – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE
3. 24" SOLID WHITE – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE
4. 4" BROKEN WHITE – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE (10' STRIPE, 30' GAP)
5. 4" SOLID/BROKEN DOUBLE YELLOW – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE
6. 12" SOLID WHITE – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE
7. RIGHT TURN ARROW – RETROREFLECTORIZED PLASTIC PAVEMENT MARKING
8. LEFT TURN ARROW – RETROREFLECTORIZED PLASTIC PAVEMENT MARKING
9. WORD "ONLY" – RETROREFLECTORIZED PLASTIC PAVEMENT MARKING
10. PAINT MEDIAN NOSE YELLOW
11. R X R PAVEMENT SYMBOL – RETROREFLECTORIZED PLASTIC PAVEMENT MARKING
12. REMOVE AND DISPOSE EXISTING SIGN & POST
13. MOUNT SIGN ON SIGNAL MASTARM
14. 4" SOLID DOUBLE YELLOW – RETROREFLECTORIZED PLASTIC PAVEMENT MARKINGS
15. EXISTING SIGN AND POST TO REMAIN
16. HANDICAPPED SYMBOL – RETROREFLECTORIZED PLASTIC PAVEMENT MARKING (SEE SHT. 3-28 FOR DETAILS)

AS BUILT INFORMATION

CONTRACTOR A.S. HARDNER

WORK STAKED BY SOLDER MILLER 7/09 DATE

INSPECTION & FIELD ANCE BY BCPWD 7/09 DATE

VERIFICATION BY BCPWD 7/09 DATE

CORRECTED BY P.B. 5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES BY DATE

NO.

ENGINEER'S SEAL

KAREN ASPELIN NEW MEXICO 13293 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	KA	DATE 8/1/07
DRAWN BY	VRV	DATE 8/1/07
CHECKED BY	NA	DATE 8/1/07

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

PERMANENT SIGNING & STRIPING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	7-5

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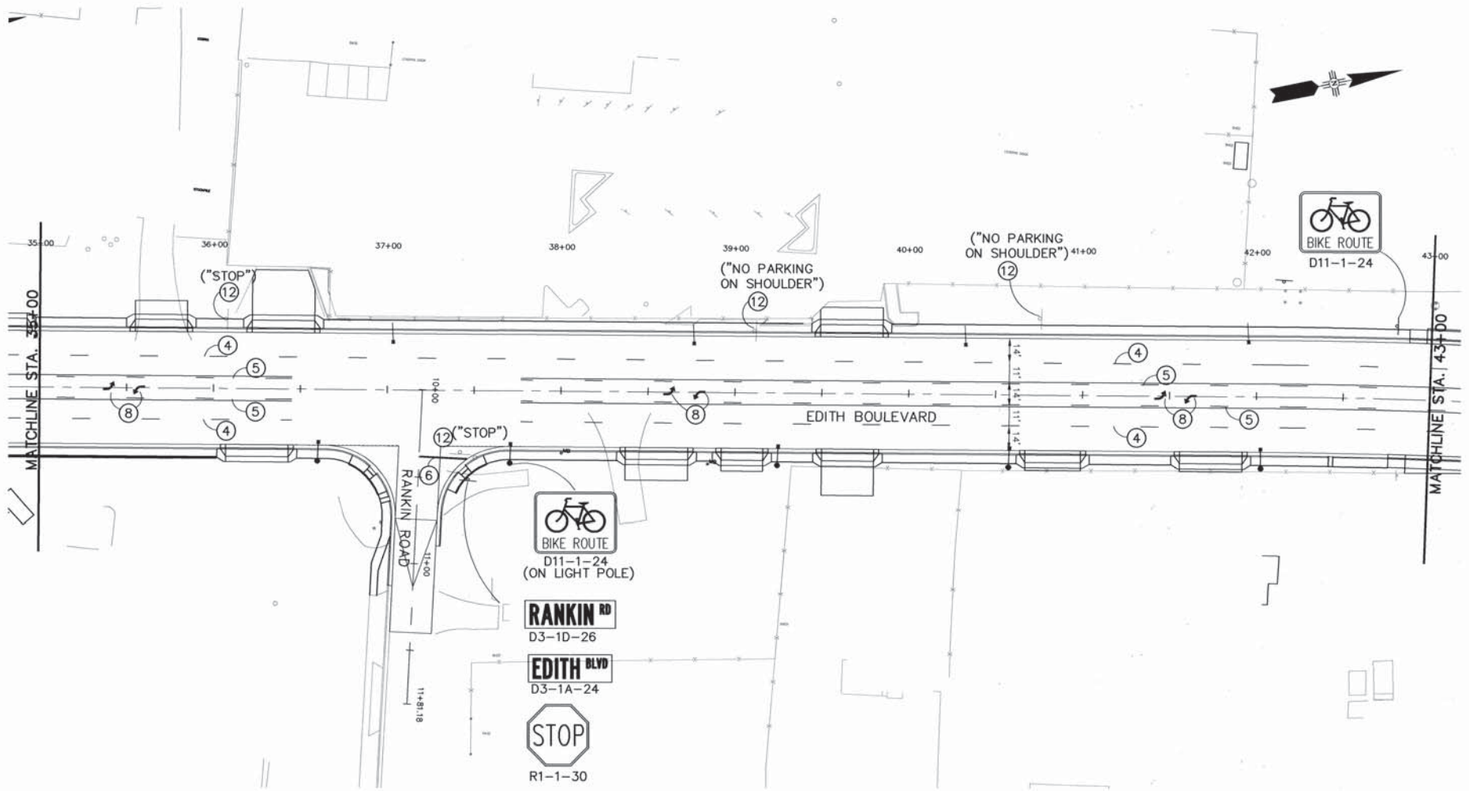

LEGEND

1. 4" SOLID WHITE – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE
2. 4" SOLID YELLOW – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE
3. 24" SOLID WHITE – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE
4. 4" BROKEN WHITE – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE (10' STRIPE, 30' GAP)
5. 4" SOLID/BROKEN DOUBLE YELLOW – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE
6. 12" SOLID WHITE – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE
7. RIGHT TURN ARROW – RETROREFLECTORIZED PLASTIC PAVEMENT MARKING
8. LEFT TURN ARROW – RETROREFLECTORIZED PLASTIC PAVEMENT MARKING
9. WORD "ONLY" – RETROREFLECTORIZED PLASTIC PAVEMENT MARKING
10. PAINT MEDIAN NOSE YELLOW
11. R X R PAVEMENT SYMBOL – RETROREFLECTORIZED PLASTIC PAVEMENT MARKING
12. REMOVE AND DISPOSE EXISTING SIGN & POST
13. MOUNT SIGN ON SIGNAL MASTARM
14. 4" SOLID DOUBLE YELLOW – RETROREFLECTORIZED PLASTIC PAVEMENT MARKINGS
15. EXISTING SIGN AND POST TO REMAIN

GRAPHIC SCALE

40 0 20 40 80

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

GENERAL NOTES

AS BUILT INFORMATION

CONTRACTOR A.S. HARNER DATE
WORK STAKED BY SCHAFER MILLER 1/08 DATE
INSPECTIONS PERFORMED BY BERND 1/09 DATE
FIELD CHANGES BY BERND 1/09 DATE
VERIFICATION BY BERND 1/09 DATE
FINAL MEASUREMENTS CORRECTED BY P.B. 5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM. 9–F15". spoxied to top of concrete drop inlet. ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

KAREN ASPELIN NEW MEXICO 13293 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	KA	DATE 8/1/07
DRAWN BY	VRV	DATE 8/1/07
CHECKED BY	NA	DATE 8/1/07

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

PERMANENT SIGNING & STRIPING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	7-6

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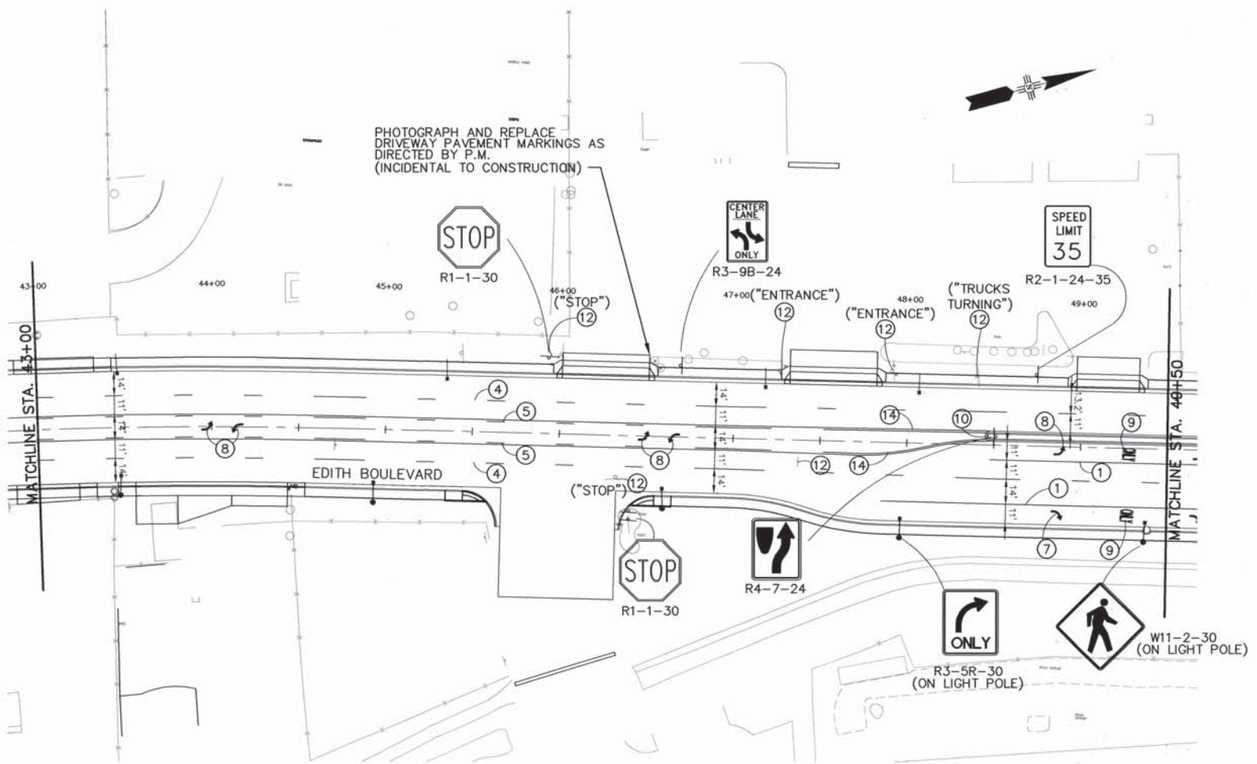

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

GENERAL NOTES

LEGEND

1. 4" SOLID WHITE – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE
2. 4" SOLID YELLOW – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE
3. 24" SOLID WHITE – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE
4. 4" BROKEN WHITE – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE (10' STRIPE, 30' GAP)
5. 4" SOLID/BROKEN DOUBLE YELLOW – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE
6. 12" SOLID WHITE – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE
7. RIGHT TURN ARROW – RETROREFLECTORIZED PLASTIC PAVEMENT MARKING
8. LEFT TURN ARROW – RETROREFLECTORIZED PLASTIC PAVEMENT MARKING
9. WORD "ONLY" – RETROREFLECTORIZED PLASTIC PAVEMENT MARKING
10. PAINT MEDIAN NOSE YELLOW
11. R X R PAVEMENT SYMBOL – RETROREFLECTORIZED PLASTIC PAVEMENT MARKING
12. REMOVE AND DISPOSE EXISTING SIGN & POST
13. MOUNT SIGN ON SIGNAL MASTARM
14. 4" SOLID DOUBLE YELLOW – RETROREFLECTORIZED PLASTIC PAVEMENT MARKINGS
15. EXISTING SIGN AND POST TO REMAIN

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER

STAKED BY SOUDER MILLER 3/06 DATE

INSPECTOR'S FIELD CHANGES BY BCPWD 3/09 DATE

FIELD OBSERVATION BY BCPWD 3/09 DATE

CORRECTED BY P.B. 5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES BY DATE

NO.

ENGINEER'S SEAL

KAREN ASPELIN NEW MEXICO 13293 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY KA	DATE 8/1/07
		DRAWN BY VRV	DATE 8/1/07
		CHECKED BY NA	DATE 8/1/07

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

PERMANENT SIGNING & STRIPING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F–15, G–15	7–7

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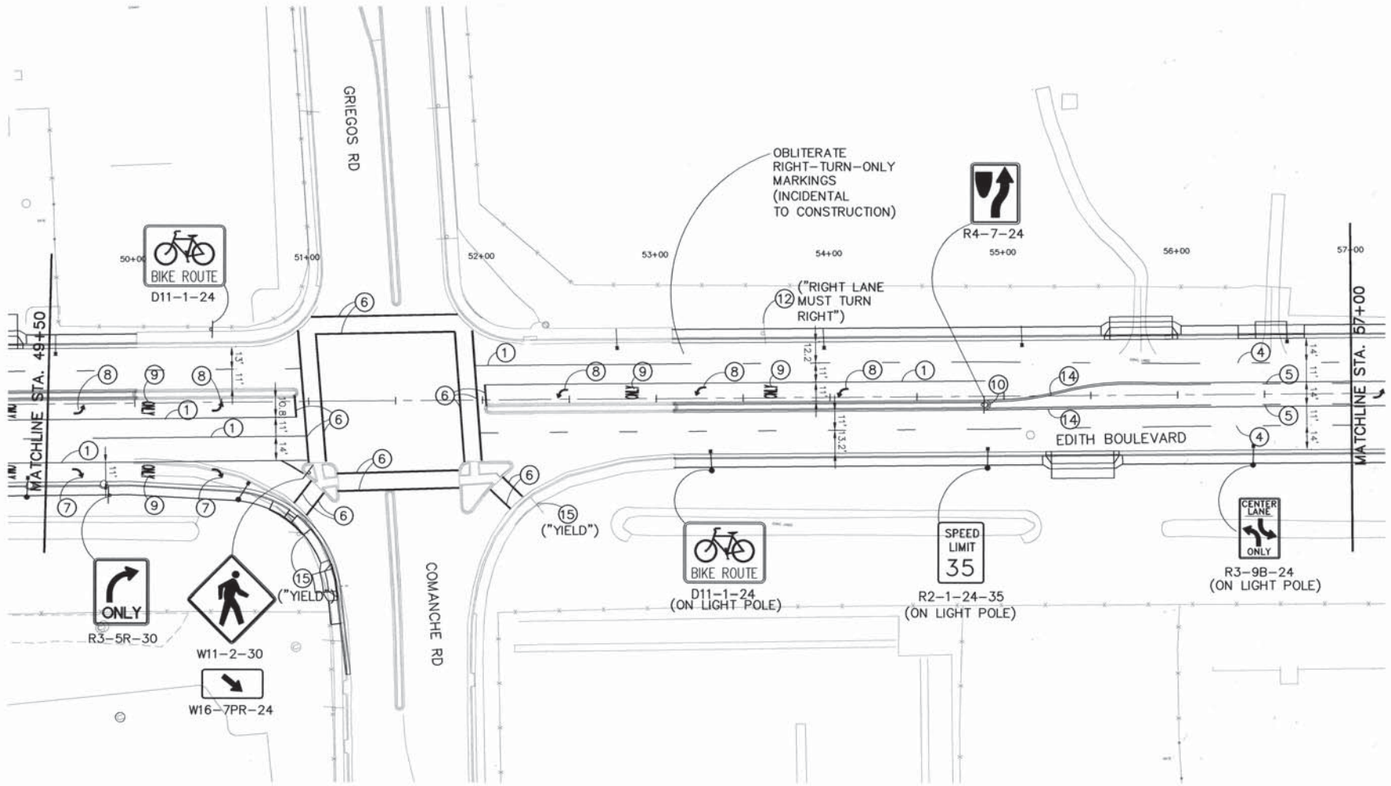

LEGEND

1. 4" SOLID WHITE – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE
2. 4" SOLID YELLOW – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE
3. 24" SOLID WHITE – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE
4. 4" BROKEN WHITE – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE (10' STRIPE, 30' GAP)
5. 4" SOLID/BROKEN DOUBLE YELLOW – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE
6. 12" SOLID WHITE – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE
7. RIGHT TURN ARROW – RETROREFLECTORIZED PLASTIC PAVEMENT MARKING
8. LEFT TURN ARROW – RETROREFLECTORIZED PLASTIC PAVEMENT MARKING
9. WORD "ONLY" – RETROREFLECTORIZED PLASTIC PAVEMENT MARKING
10. PAINT MEDIAN NOSE YELLOW
11. R X R PAVEMENT SYMBOL – RETROREFLECTORIZED PLASTIC PAVEMENT MARKING
12. REMOVE AND DISPOSE EXISTING SIGN & POST
13. MOUNT SIGN ON SIGNAL MASTARM
14. 4" SOLID DOUBLE YELLOW – RETROREFLECTORIZED PLASTIC PAVEMENT MARKINGS
15. EXISTING SIGN AND POST TO REMAIN

GRAPHIC SCALE

40 0 20 40 80

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

GENERAL NOTES

AS BUILT INFORMATION
CONTRACTOR A.S. HARNER DATE
WORK STAKED BY SNIDER MILLER 1/08 DATE
INSPECTOR'S ACCEPTANCE BY BCPWD 1/09 DATE
VERIFICATION BY BCPWD 1/09 DATE
CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
KAREN ASPELIN NEW MEXICO 13293 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	KA	DATE 8/1/07
DRAWN BY	VRV	DATE 8/1/07
CHECKED BY	NA	DATE 8/1/07

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

PERMANENT SIGNING & STRIPING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	7-8

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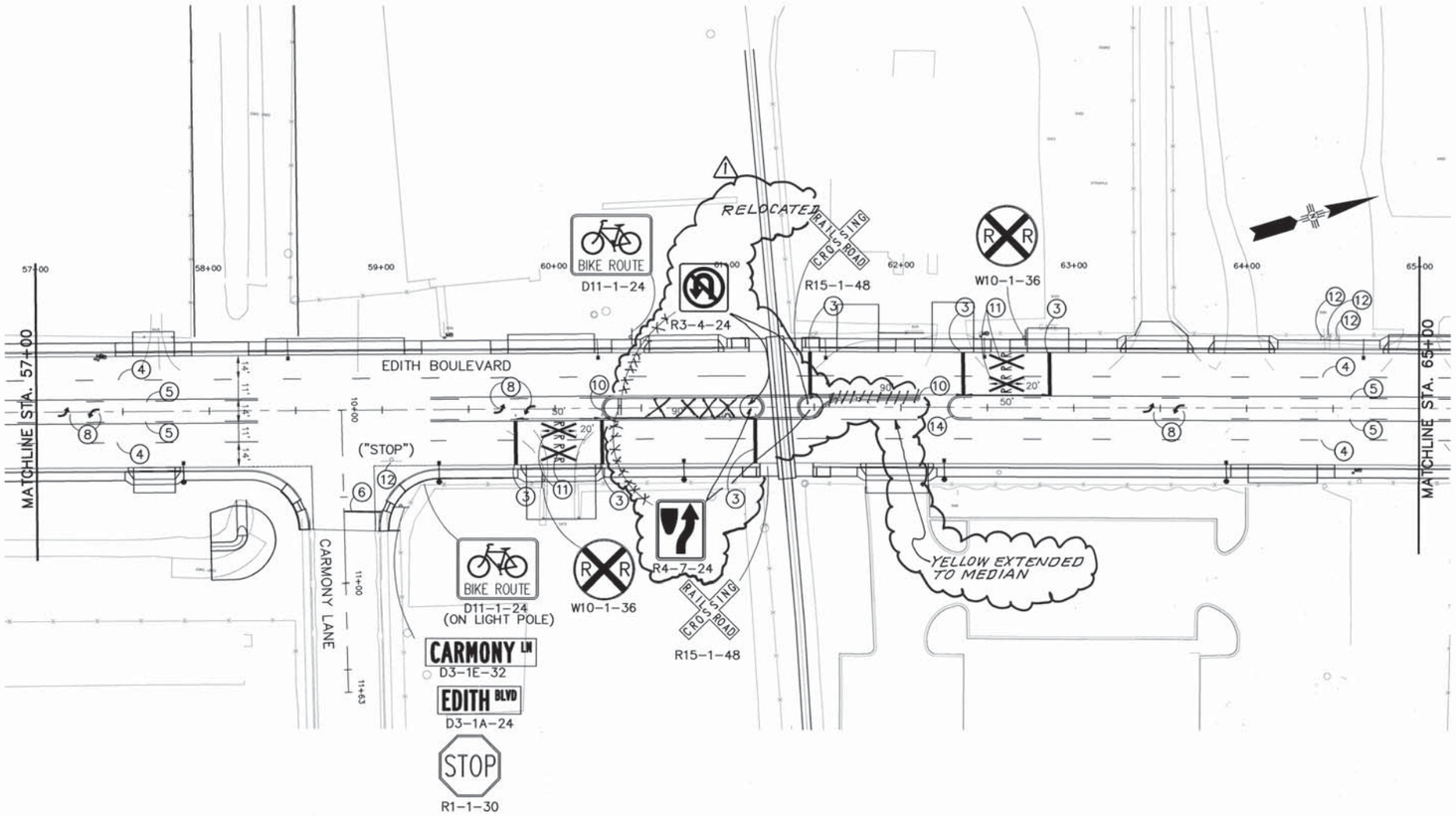

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

GENERAL NOTES

LEGEND

1. 4" SOLID WHITE – RETROREFLECTORIZED PLASTIC PAVEMENT STRIPE
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14. 4" SOLID DOUBLE YELLOW – RETROREFLECTORIZED PLASTIC PAVEMENT MARKINGS
15. EXISTING SIGN AND POST TO REMAIN

AS BUILT INFORMATION

CONTRACTOR A.S. HARVER DATE
WORK STAKED BY SOUDER MILLER & DATE
INSPECTOR'S ACCEPTANCE BY BCPWD 5/1/09 DATE
FIELD VERIFICATION BY BCPWD 05/07 DATE
PLANS CORRECTED BY P.B. 05/07 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

KAREN ASPELIN
NEW MEXICO
13293
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REVISED & RELOCATED SIGN LAYOUT	BY
1	04/09		VRV

DESIGN		DATE
DESIGNED BY	KA	8/1/07
DRAWN BY	VRV	8/1/07
CHECKED BY	NA	8/1/07

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

PERMANENT SIGNING & STRIPING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	7-9

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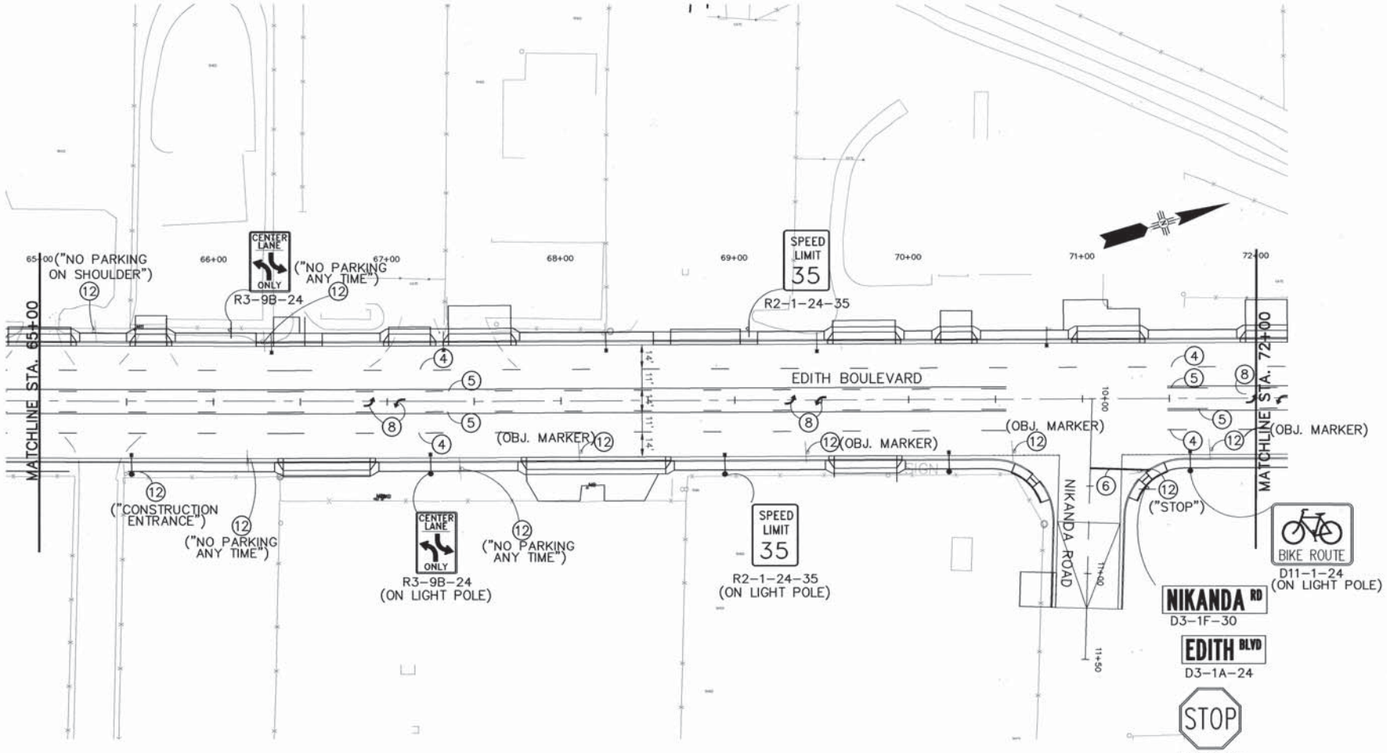

LEGEND

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40 0 20 40 80

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

GENERAL NOTES

RECORD DRAWING

AS BUILT INFORMATION
CONTRACTOR A.S. HARNER
WORK STAKED BY SNYDER MILLER 3/08 DATE
INSPECTIONS PERFORMED BY BCPWD 3/09 DATE
FIELD VERIFICATION BY BCPWD 3/09 DATE
AS-BUILT CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

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ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES BY DATE NO.

ENGINEER'S SEAL
KAREN ASPELIN NEW MEXICO (13293) REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY KA	DATE 8/1/07
		DRAWN BY VRV	DATE 8/1/07
		CHECKED BY NA	DATE 8/1/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
PERMANENT SIGNING & STRIPING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	7-10

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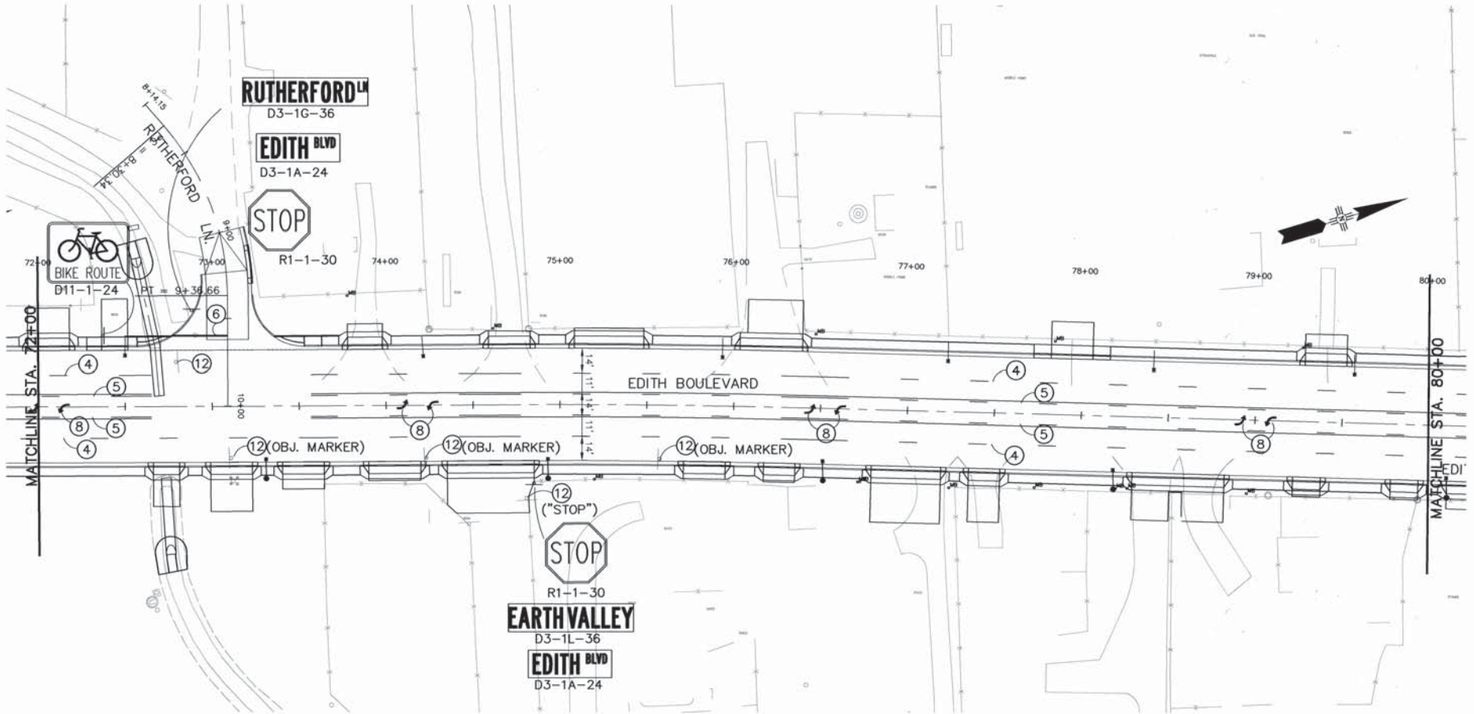

GRAPHIC SCALE

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(IN FEET)
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KEYED NOTES:

GENERAL NOTES

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AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNYDER MILLER 1/08 DATE
INSPECTOR'S FIELD FINDINGS BY BCFWD 1/09 DATE
VERIFICATION BY BCFWD 1/09 DATE
CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
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NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
KAREN ASPELIN NEW MEXICO 13293 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY	KA DATE 8/1/07
		DRAWN BY	VRV DATE 8/1/07
		CHECKED BY	NA DATE 8/1/07

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

PERMANENT SIGNING & STRIPING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F–15, G–15	7–11

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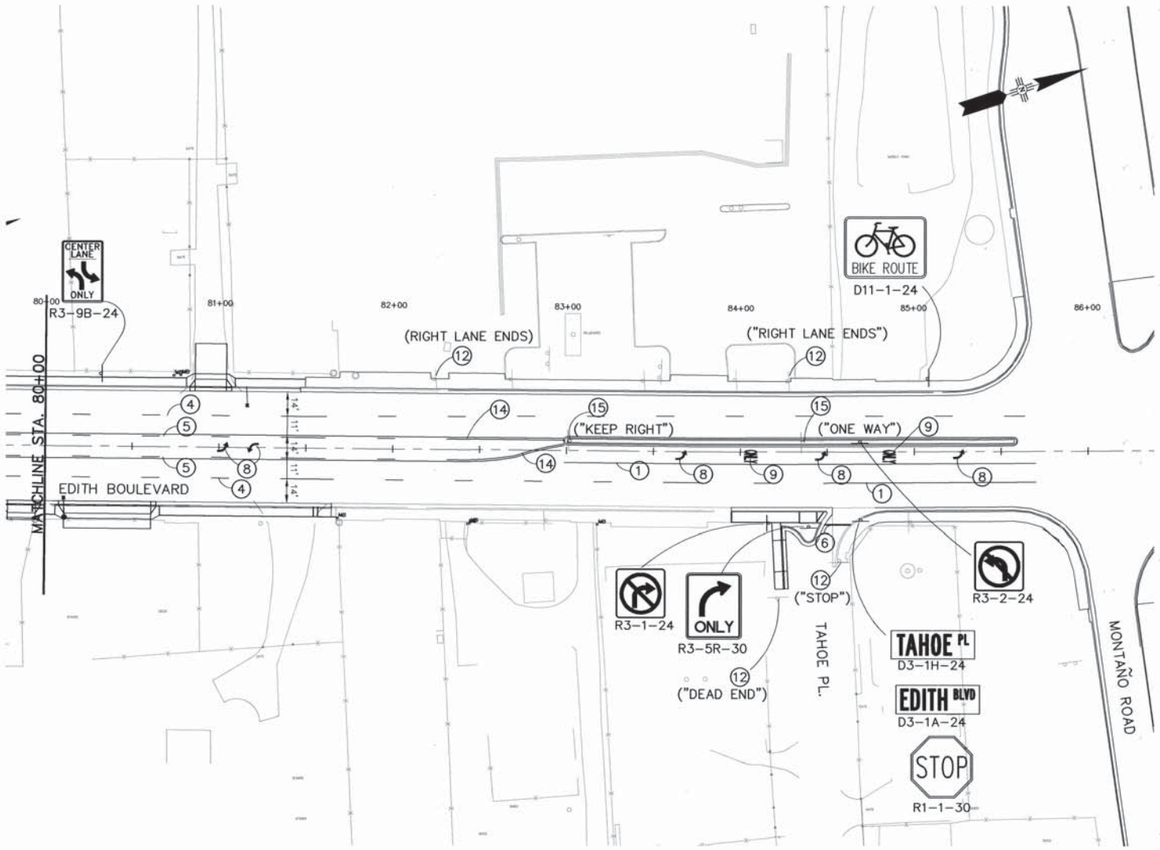

LEGEND

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⑮ EXISTING SIGN AND POST TO REMAIN

GRAPHIC SCALE

40 0 20 40 80
(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

GENERAL NOTES

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER DATE
STAKED BY SNYDER MILLER 4/08 DATE
INSPECTOR'S FIELD NOTES BY BCPWD 3/09 DATE
FIELD DRAWINGS BY BCPWD 4/09 DATE
CORRECTED BY PB 5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

ENGINEER'S SEAL
KAREN ASPELIN NEW MEXICO 13293 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	KA	8/1/07
DRAWN BY	VRV	8/1/07
CHECKED BY	NA	8/1/07

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

PERMANENT SIGNING & STRIPING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F–15, G–15	7–12

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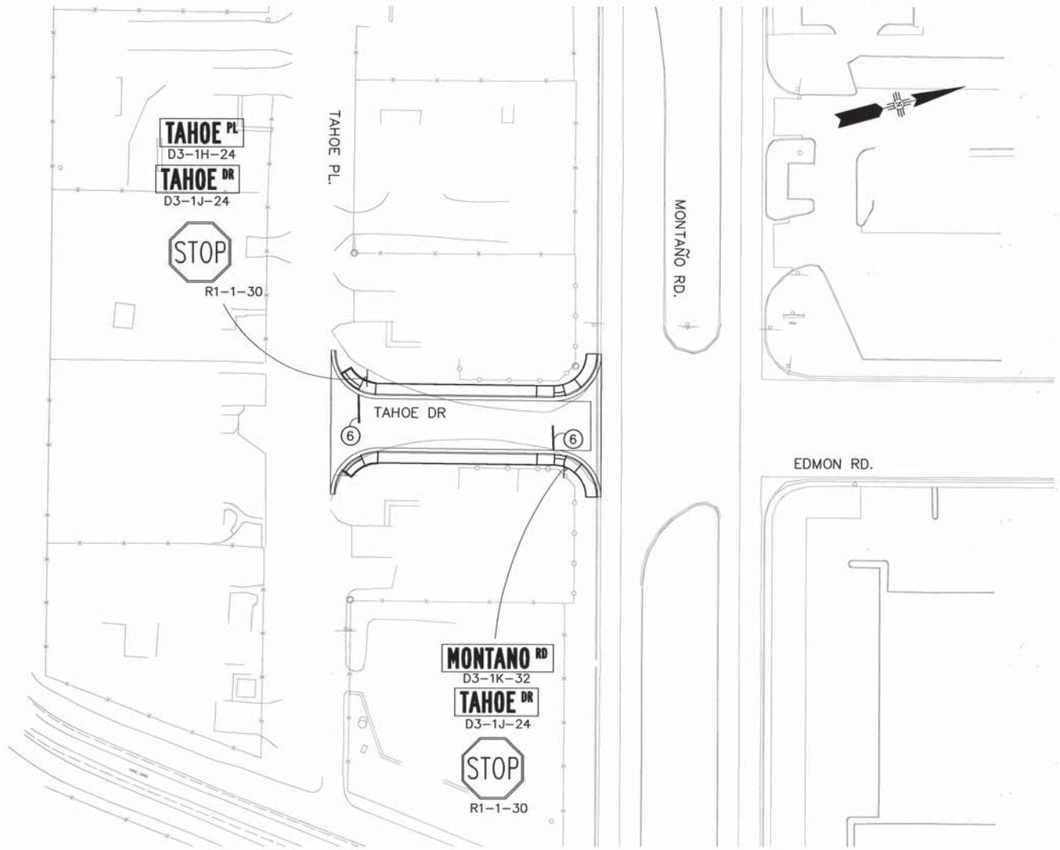

LEGEND

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GRAPHIC SCALE

40 0 20 40 80

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

GENERAL NOTES

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

PERMANENT SIGNING & STRIPING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	7-13

AS BUILT INFORMATION

CONTRACTOR A.S. Hoerner DATE
WORK STAKED BY SOUDER, MILLER & DATE
INSPECTOR'S FIELD NOTES BY BCPWD 1/09 DATE
FIELD ANGLE BY BCPWD 1/09 DATE
VERIFICATION BY BCPWD 1/09 DATE
CHANGES CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

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NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

KAREN ASPELIN
NEW MEXICO
13293
REGISTERED PROFESSIONAL ENGINEER
6-7-07

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	KA	DATE	8/1/07
DRAWN BY	VRV	DATE	8/1/07
CHECKED BY	NA	DATE	8/1/07

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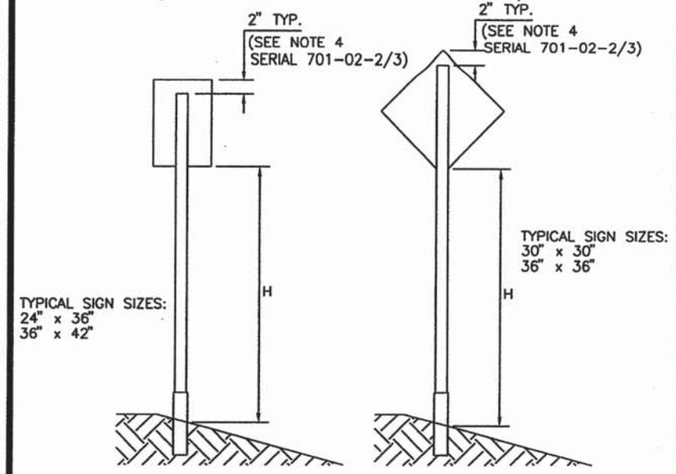
SINGLE POST INSTALLATION

(TOTAL SIGN AREA NOT TO EXCEED 10.5 SQ. FT.)



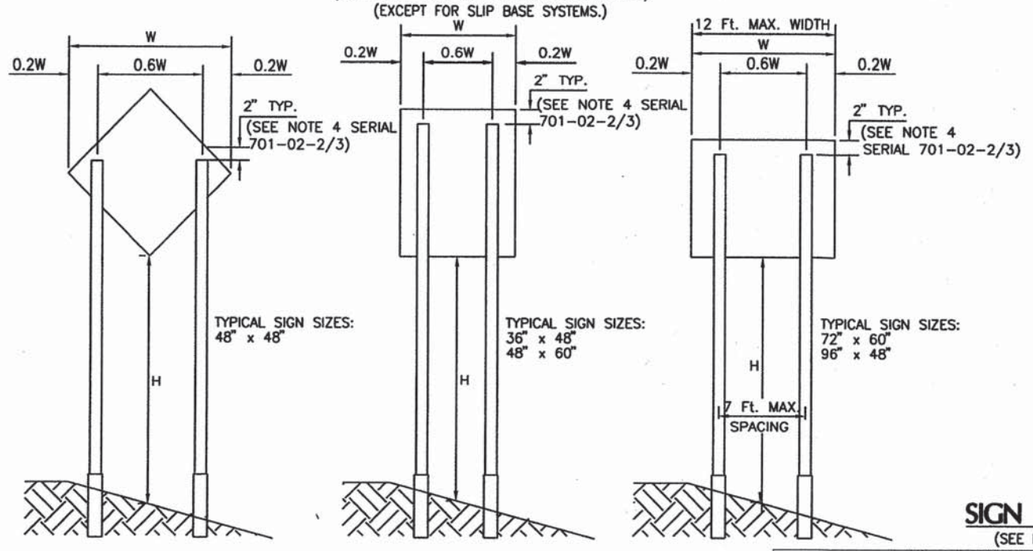
SIGN POST REQUIREMENTS

(SEE NOTES 1 & 3, SHT. 701-02-2/3)

POST TYPE	POST SIZE	MAX. CLEAR HEIGHT, H (FT.)	MAX. SIGN AREA (SQ. FT.)
SQUARE TUBING	1.75" X 1.75" (12 GA.)	9	5
SQUARE TUBING	1.75" X 1.75" (12 GA.)	8	6
SQUARE TUBING	1.75" X 1.75" (12 GA.)	7	7
SQUARE TUBING	2.00" X 2.00" (12 GA.)	9	8
SQUARE TUBING	2.00" X 2.00" (12 GA.)	8	9
SQUARE TUBING	2.00" X 2.00" (12 GA.)	7	10
SQUARE TUBING	2.25" X 2.25" (12 GA.)	9	10.5
SQUARE TUBING	2.25" X 2.25" (12 GA.)	10	10.5

DOUBLE POST INSTALLATION

(TOTAL SIGN AREA NOT TO EXCEED 30 SQ. FT.)
(EXCEPT FOR SLIP BASE SYSTEMS.)



SIGN POST REQUIREMENTS

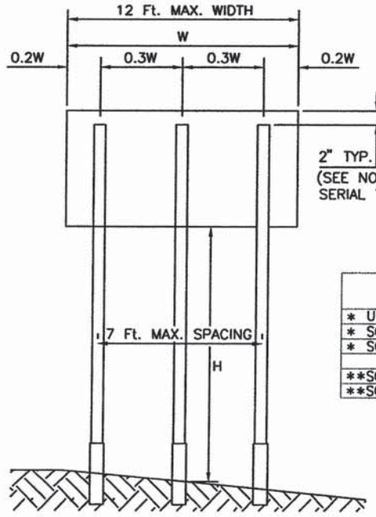
(SEE NOTES 1 & 2, SERIAL 701-02-2/3)

POST TYPE	POST SIZE	MAX. CLEAR HEIGHT, H (FT.)	MAX. SIGN AREA (SQ. FT.)
SQUARE TUBING	2.00" X 2.00" (12 GA.)	11	13
SQUARE TUBING	2.00" X 2.00" (12 GA.)	9	15
SQUARE TUBING	2.00" X 2.00" (12 GA.)	8	16
SQUARE TUBING	2.25" X 2.25" (12 GA.)	7	20
* U-CHANNEL	4 LB./FT.	11	25
* U-CHANNEL	4 LB./FT.	9	30
* SQUARE TUBING	2.50" X 2.50" (10 GA.)	7	36

* APPROVED SLIP BASE REQUIRED WITH THIS INSTALLATION
SEE MULTI-DIRECTIONAL SLIP BASE
ASSEMBLY DETAILS (SERIAL 701-02-3/3)
SEE NOTE 12 SERIAL (701-02-2/3)

TRIPLE POST INSTALLATION

(TOTAL SIGN AREA NOT TO EXCEED 50 SQ. FT.)



TYPICAL SIGN SIZES:
96" x 60"
108" x 60"
120" x 60"

SIGN POST REQUIREMENTS

(SEE NOTES 1 & 2, SERIAL 701-02-2/3)

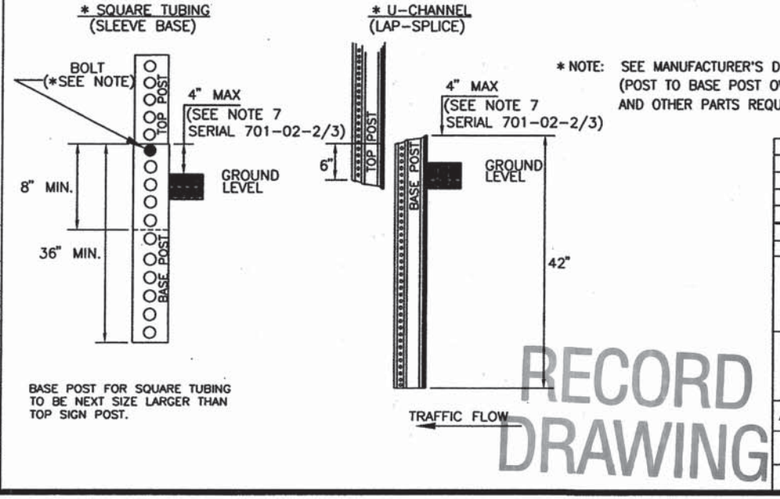
POST TYPE POST TYPE	POST SIZE	MAX. CLEAR HEIGHT, H (FT.)	MAX. SIGN AREA (SQ. FT.)
* U-CHANNEL	4 LB./FT.	11	36
* SQUARE TUBING	2.50" X 2.50" (10 GA.)	9	45
* SQUARE TUBING	2.50" X 2.50" (10 GA.)	7	50
**SQUARE TUBING	2.50" X 2.50" (10 GA.)	11	36
**SQUARE TUBING	2.50" X 2.50" (10 GA.)	9	45

* APPROVED SLIP BASE REQUIRED WITH THIS INSTALLATION
SEE MULTI-DIRECTIONAL SLIP BASE
ASSEMBLY DETAILS (SERIAL 701-02-3/3)
SEE NOTE 12 SERIAL (701-02-2/3)

**LAP-SPLICE OR MULTI-DIRECTIONAL SLIP BASE (SERIAL 701-02-3/3 MAY BE USED. SEE NOTE 12 (SERIAL 701-02-2/3.)

BASE POST INSTALLATION DETAILS FOR SQUARE TUBING AND U-CHANNEL SYSTEMS

(SEE SERIAL. 701-02-3/3 FOR MULTI-DIRECTIONAL SLIP BASE SYSTEMS)



* NOTE: SEE MANUFACTURER'S DRAWINGS FOR SPECIFIC ASSEMBLY INFORMATION (POST TO BASE POST OVERLAP), INCLUDING TYPES OF NUTS, BOLTS, WASHERS, AND OTHER PARTS REQUIRED FOR PRODUCT USE.

RECORD DRAWING

NO.	DATE	REV. BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

SMALL SIGN SUPPORT INSTALLATION DETAILS

APPROVED _____ DESIGN ENGINEER 1-11-05 DATE

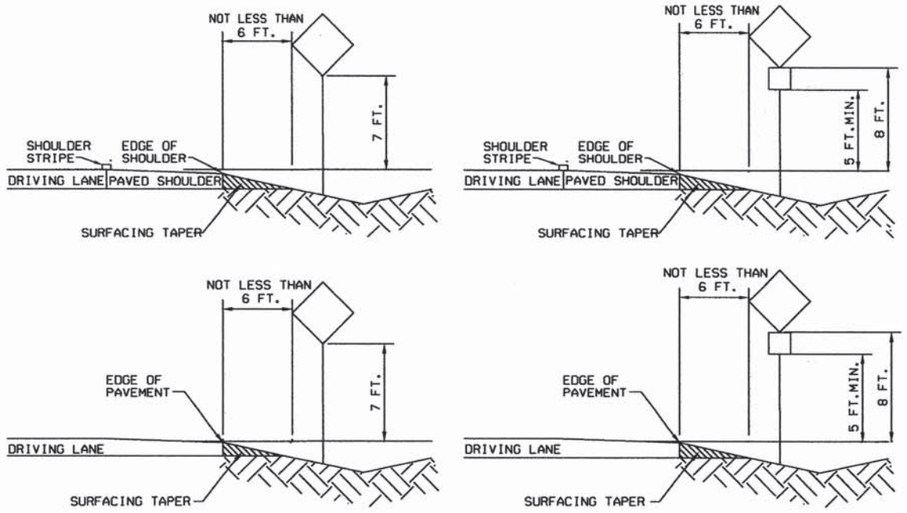
DESIGNED BY___ DRAWN BY ___ CHECKED BY ___

701-02-1/3 SHEET 1 OF 3

HORIZONTAL AND VERTICAL CLEARANCES

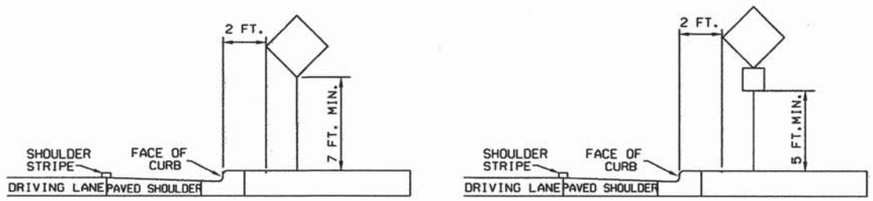
(SEE NOTE 9)

FREEWAYS/EXPRESSWAYS & RURAL AREAS

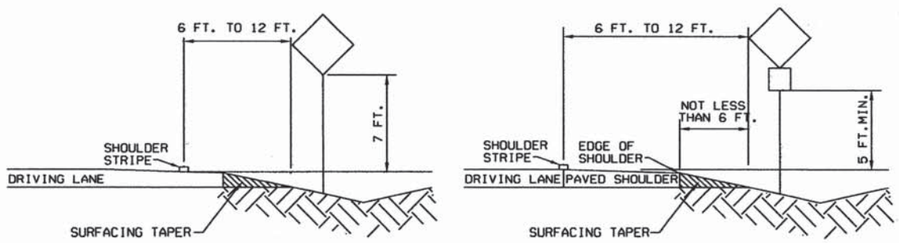


URBAN (BUSINESS, COMMERCIAL, & RESIDENTIAL AREAS)

CONSTRUCTION ZONES IN URBAN AREAS



CONSTRUCTION ZONES IN FREEWAYS/EXPRESSWAYS AND RURAL AREAS



GENERAL NOTES:

1. ALL SQUARE TUBING SIGN POST REQUIREMENTS ARE BASED ON A 10 OR 12 GAUGE THICKNESS, ASTM A570 GRADE 50 STEEL, A MINIMUM YIELD STRENGTH OF 60,000 PSI AND A 70 MPH WIND LOAD. ALL U-CHANNEL SIGN POSTS REQUIREMENTS ARE BASED ON A MINIMUM YIELD STRENGTH OF 80,000 PSI AND 85 MPH WIND LOAD. SEE THE MUTCD & STANDARD HIGHWAY SIGNS MANUAL (CURRENT EDITION) FOR FURTHER GUIDANCE.
2. FOR CONSTRUCTION SIGNING & PERMANENT SINGLE AND TRIPLE POST INSTALLATIONS, SMALLER POST CROSS SECTIONS MAY BE USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND THE RECOMMENDATIONS DETAILED IN NOTE 1.
3. TOP EDGE OF POSTS SHALL NOT EXTEND PAST TOP EDGE OF SIGN.
4. STEEL POSTS, BASE POSTS, AND SLIP BASES FOR ALUMINUM PANEL SIGNS SHALL BE SELECTED FROM THE DEPARTMENT'S APPROVED PRODUCT LIST. ALL SIGNS MOUNTED WITHIN THE CLEAR ZONE SHALL BE MOUNTED ON A NCHRP REPORT 350 APPROVED SIGN POST/BASE POST BREAKAWAY SYSTEM UNLESS INSTALLATION IS LOCATED BEHIND A NON-GATING LONGITUDINAL BARRIER. OTHER INSTALLATIONS, CONFIGURATIONS OR SYSTEMS NOT SHOWN MAY BE USED AS RECOMMENDED BY THE MANUFACTURER WITH APPROVAL OF THE DISTRICT TRAFFIC ENGINEER.
5. FOR INSTALLATIONS ON WEAK (SOFT) SOIL, SOIL PLATES SHALL BE USED AS RECOMMENDED BY THE MANUFACTURER. PAYMENT FOR SOIL PLATES SHALL BE INCIDENTAL TO THE SIGN INSTALLATION.
6. BASE POSTS SHALL NOT EXTEND MORE THAN 4" ABOVE GROUND LEVEL AND SHALL BE OF THE SAME WEIGHT/GAUGE AND TYPE AS THE SIGN POST.
7. INTERMIXING OF U-CHANNEL AND SQUARE TUBING POSTS, POSTS OF DIFFERENT WEIGHTS/GAUGES OR PRODUCT BRANDS IS NOT ALLOWED EXCEPT WHERE RECOMMENDED BY THE MANUFACTURER.
8. HORIZONTAL CLEARANCES APPLY TO INSTALLATIONS ON LEFT AND RIGHT SIDE OF ROADWAY.
9. SUPPLEMENTAL SIGNS SHALL NOT BE ATTACHED DIRECTLY TO PRIMARY PANELS ON EITHER PERMANENT OR CONSTRUCTION SIGNING INSTALLATIONS.
10. SPACING BETWEEN SUPPLEMENTAL PANELS AND PRIMARY PANELS SHALL NOT EXCEED 6".
11. SIGN PANELS PLACED PARALLEL TO TRAFFIC SHALL BE MOUNTED ON A MULTI-DIRECTIONAL BREAKAWAY SYSTEM. (SEE SERIAL 701-02-3/3)

RECORD DRAWING

NO.	DATE	REV. BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO
DEPARTMENT OF TRANSPORTATION
STANDARD DRAWING

SMALL SIGN SUPPORT
INSTALLATION DETAILS

APPROVED _____ DESIGN ENGINEER 2-3-07 DATE

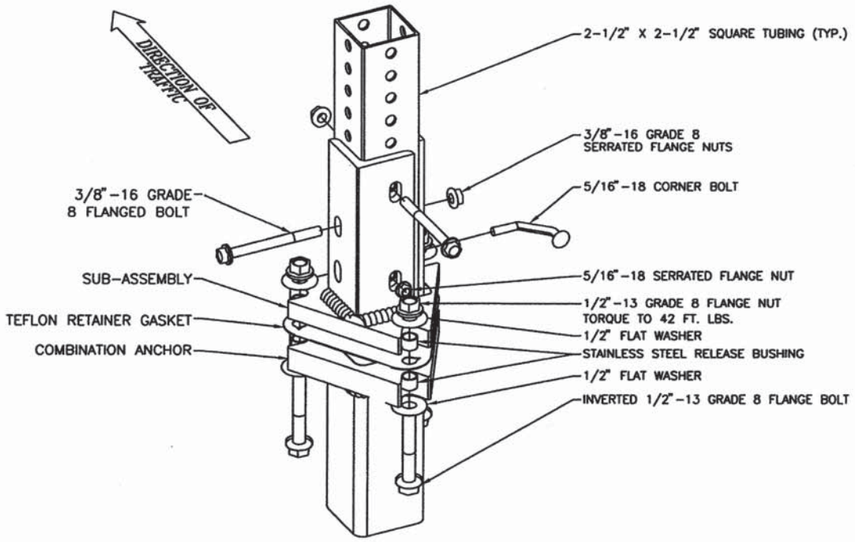
DESIGNED BY___ DRAWN BY___ CHECKED BY___

701-02-2/3 SHEET 2 OF 3

MULTI-DIRECTIONAL SLIP BASE DETAILS

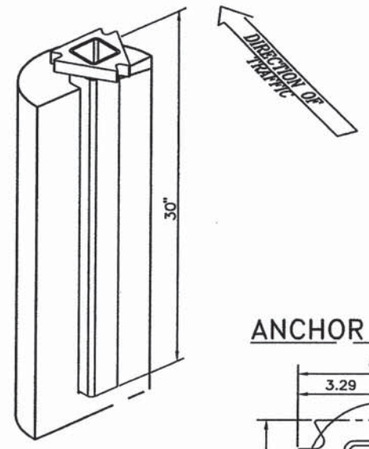
SEE APPROVED PRODUCT LIST FOR APPROVED EQUALS.

SQUARE TUBING SLIP BASE



DETAIL "A"-CONCRETE ANCHOR

(NOT TO EXCEED 4" ABOVE GROUND LEVEL)

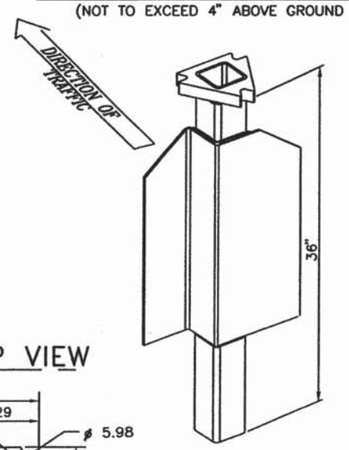


NOTES:

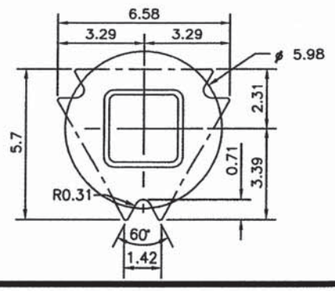
1. CONCRETE SHOULD BE A MINIMUM OF 12" IN DIAMETER AND 30" DEEP.
2. CLASS "A" CONCRETE SHALL BE USED. THE COST SHALL BE INCIDENTAL TO THE PRICE OF STEEL POSTS & BASE POSTS FOR ALUMINUM PANEL SIGNS.

DETAIL "B"-SOIL ANCHOR

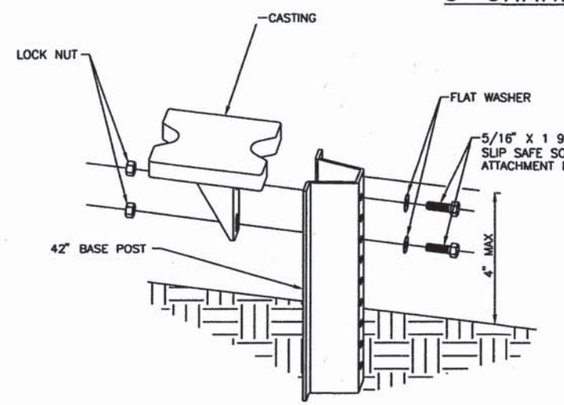
(NOT TO EXCEED 4" ABOVE GROUND LEVEL)



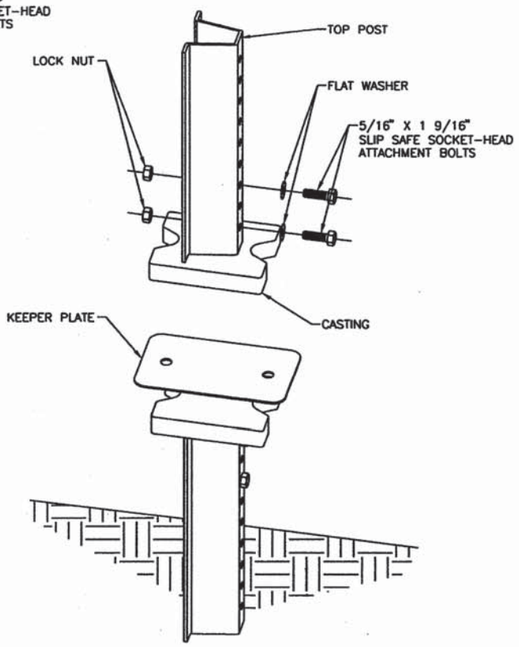
ANCHOR TOP VIEW

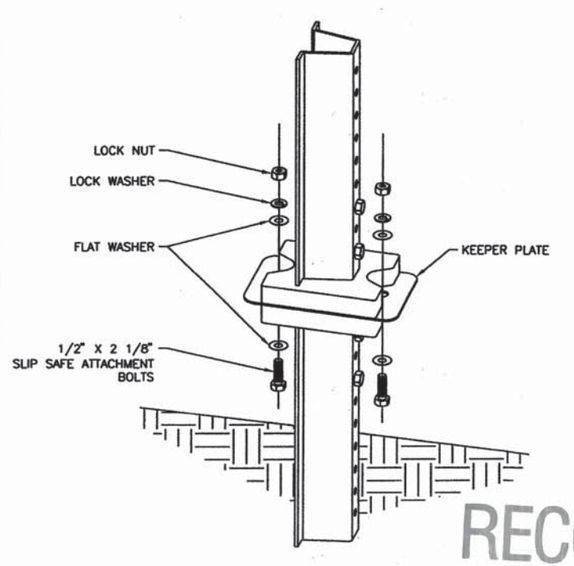


U-CHANNEL SLIP BASE



NOTE: BOLTS SHOULD BE TIGHTENED 1/2 TO 3/4 TURN AFTER SNUG.





NOTE: TIGHTEN NUT 1/3 TO 1/2 TURN AFTER SNUG.

RECORD DRAWING

NO.	DATE	REV. BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

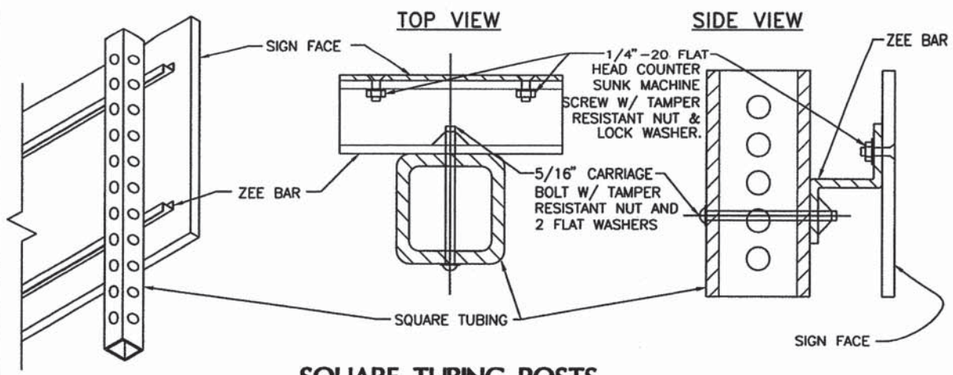
MULTI-DIRECTIONAL SLIP BASE POST DETAILS

APPROVED _____ DESIGN ENGINEER 1-11-05 DATE

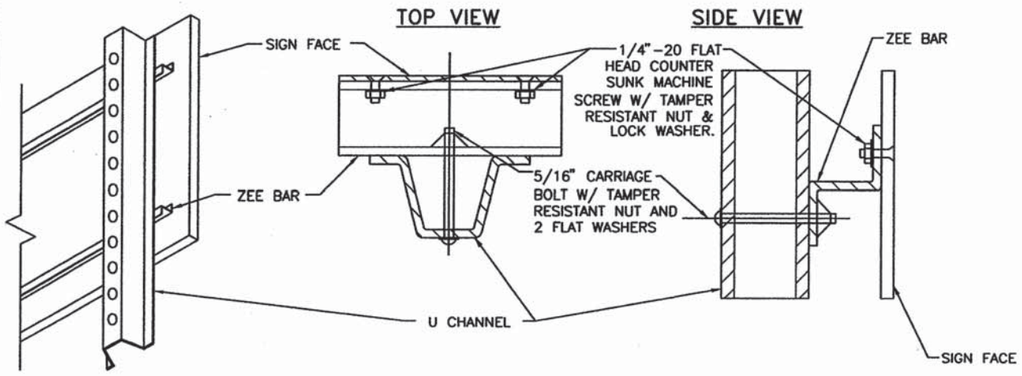
DESIGNED BY___ DRAWN BY ___ CHECKED BY ___

701-02-3/3 SHEET 3 OF 3

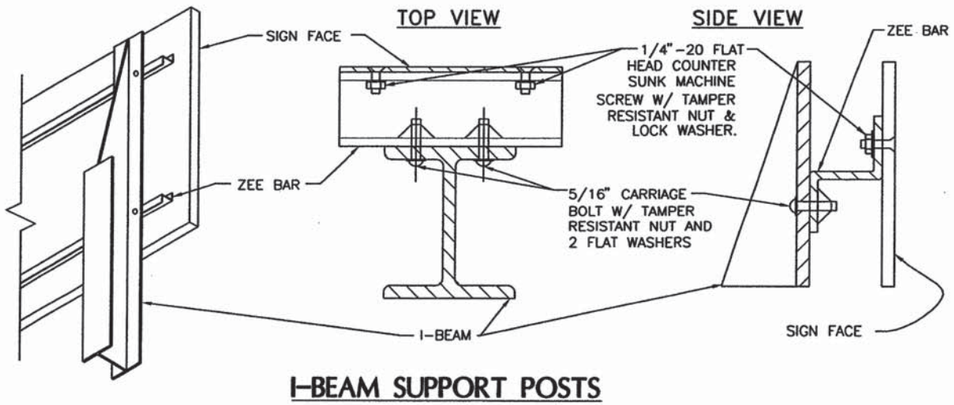
TYPICAL
(SEE NOTES)



SQUARE TUBING POSTS

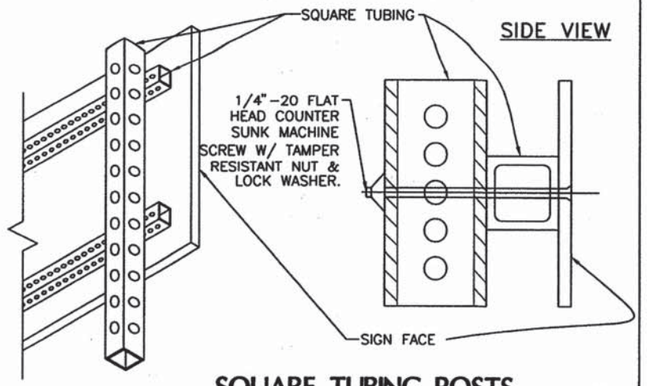


U CHANNEL SUPPORT POSTS

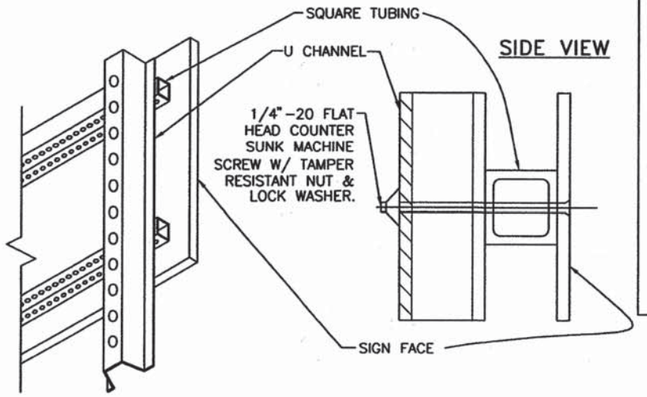


I-BEAM SUPPORT POSTS

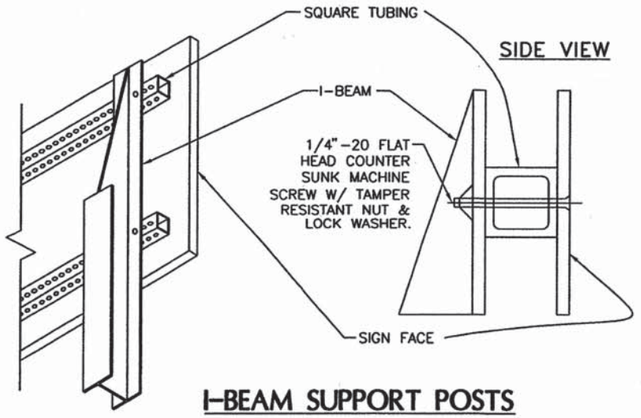
ALTERNATE
(SEE NOTES)



SQUARE TUBING POSTS



U CHANNEL SUPPORT POSTS



I-BEAM SUPPORT POSTS

GENERAL NOTES:

1. BACKING ZEE SHALL BE ALUMINUM ALLOY 6061-T6. EACH ZEE SHALL BE PROVIDED WITH A 9/16" X 2" HORIZONTAL SLOT FOR EACH POST MOUNTING BOLT.
2. BACKING ZEE SHALL BE FASTENED TO THE SIGN BLANK WITH 1/4" - 20 X 3/4" FLAT HEAD COUNTER SUNK MACHINE SCREWS WITH NUT AND LOCK WASHER (CADMIUM OR GALVANIZED OR 2024-T4 ALUMINUM-ALLOY) FASTENERS AT 9" +/- 1/2" INTERVALS.
3. BACKING ZEE WITH SIGN FACES SHALL BE FASTENED TO THE SIGN SUPPORT POST WITH 5/16" CARRIAGE BOLT, TAMPER RESISTANT NUT & TWO WASHERS GALVANIZED OR CADMIUM PLATED TO ASTM B-766 SPECIFICATION.
4. BACKING ZEE IS NOT NEEDED WHERE SIGN IS TO BE MOUNTED ON ONE POST AND IS APPROXIMATELY TEN AND A HALF (10.5) SQUARE FEET OR LESS.
5. ALTERNATE BACKING MAY BE 1-1/2" PERFORATED SQUARE TUBING AND ASSOCIATED HARDWARE, DESCRIBED IN SERIAL 701-02-1/2 AND 701-02-2/2
6. ALUMINUM PANEL SIGNS UNDER 24" IN WIDTH SHALL BE 0.08" MINIMUM THICKNESS 6061-T6 OR 5052-H38 ALUMINUM ALLOY. ALUMINUM PANEL SIGNS 24" AND OVER IN WIDTH SHALL BE SINGLE SHEET 6061-T6 OR 5052-H38 ALUMINUM ALLOY 1/8" MININUM THICKNESS.
7. BACKING ZEES SHALL BE 3" X 2-3/4" X 1/4" AT 2.33 LBS. PER FT. FOR 6061-T6 ALUMINUM.
8. EXPOSED BOLT HEADS ON THE FACE OF THE SIGN SHALL BE COLORED AND REFLECTORIZED TO MATCH THE SURROUNDING COLOR.

RECORD DRAWING

NO.	DATE	REV. BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

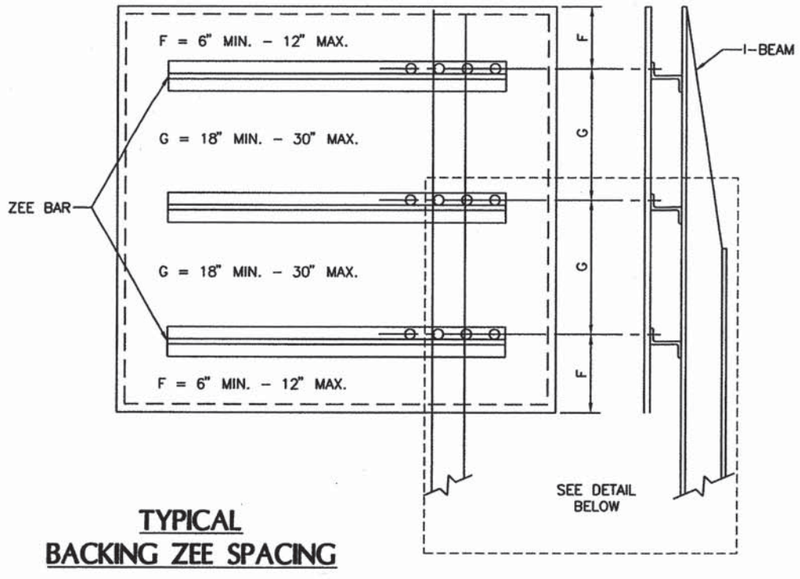
ALUMINUM SIGN PANEL DETAILS

APPROVED _____ DESIGN ENGINEER _____ DATE

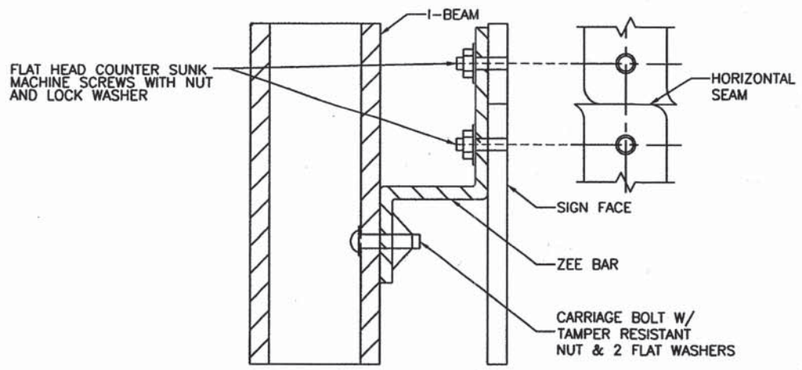
DESIGNED BY___ DRAWN BY ___ CHECKED BY ___

701-03-1/2 SHEET 1 OF 2

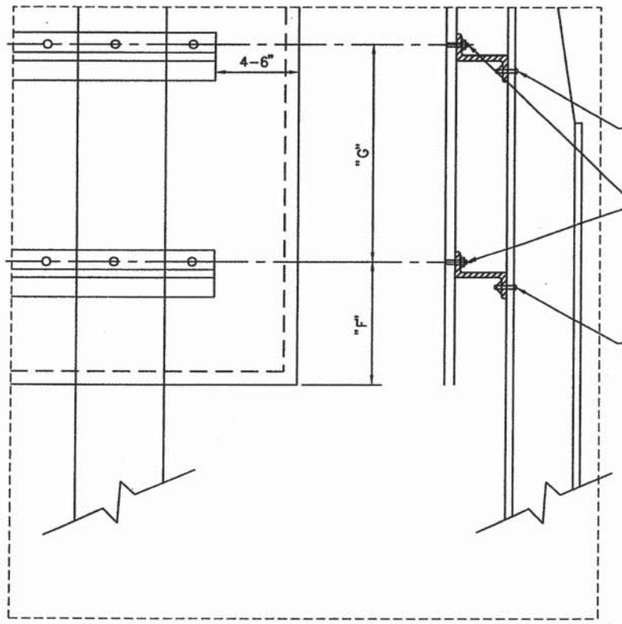
7-17



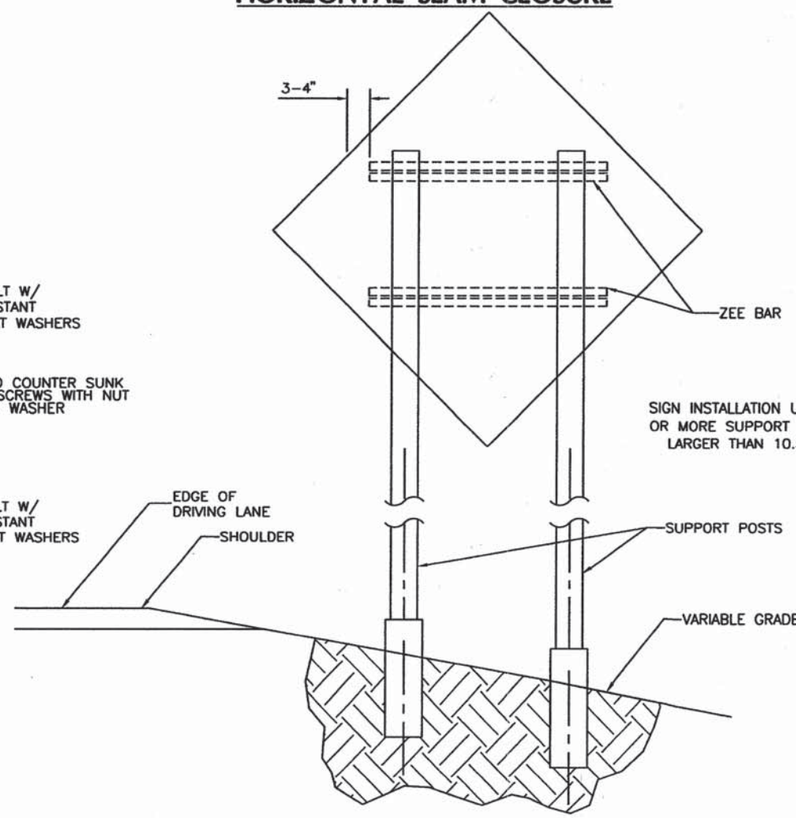
TYPICAL BACKING ZEE SPACING



TYPICAL HORIZONTAL SEAM CLOSURE



TYPICAL MOUNTING DETAIL



TYPICAL ZEE BACKING FOR DIAMOND SHAPED SIGN

GENERAL NOTES:

1. BACKING ZEE SHALL BE ALUMINUM ALLOY 6061–T6. EACH ZEE SHALL BE PROVIDED WITH A 9/16" X 2" HORIZONTAL SLOT FOR EACH POST MOUNTING BOLT.
2. BACKING ZEE SHALL BE FASTENED TO THE SIGN BLANK WITH 1/4" – 20 X 3/4" FLAT HEAD COUNTER SUNK MACHINE SCREWS WITH NUT AND LOCK WASHER (CADMIUM OR GALVANIZED OR 2024–T4 ALUMINUM–ALLOY) FASTENERS AT 9" ± 1/2" INTERVALS.
3. BACKING ZEE WITH SIGN FACES SHALL BE FASTENED TO THE SIGN SUPPORT POST WITH 5/16" CARRIAGE BOLT, TAMPER RESISTANT NUT & TWO WASHERS GALVANIZED OR CADMIUM PLATED TO ASTM B–766 SPECIFICATION.
4. BACKING ZEE IS NOT NEEDED WHERE SIGN IS TO BE MOUNTED ON ONE POST AND IS APPROXIMATELY TEN AND A HALF (10.5) SQUARE FEET OR LESS.
5. ALTERNATE BACKING MAY BE 1–1/2" PERFORATED SQUARE TUBING AND ASSOCIATED HARDWARE, DESCRIBED IN SERIAL 701–02–1/2 AND 701–02–2/2
6. ALUMINUM PANEL SIGNS UNDER 24" IN WIDTH SHALL BE 0.08" MINIMUM THICKNESS 6061–T6 OR 5052–H38 ALUMINUM ALLOY. ALUMINUM PANEL SIGNS 24" AND OVER IN WIDTH SHALL BE 1/8" MINUMUM THICKNESS 6061–T6 OR 5052–H38 ALUMINUM ALLOY.
7. BACKING ZEES SHALL BE 3" X 2–3/4" X 1/4" AT 2.33 LBS. PER FT. FOR 6061–T6 ALUMINUM.
8. EXPOSED BOLT HEADS ON THE FACE OF THE SIGN SHALL BE COLORED AND REFLECTORIZED TO MATCH THE SURROUNDING COLOR.

RECORD DRAWING

NO.	DATE	REV. BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

ALUMINUM PANEL SIGN DETAILS

APPROVED _____ DESIGN ENGINEER 1-11-05 DATE

DESIGNED BY___ DRAWN BY ___ CHECKED BY ___

701–03–2/2 SHEET 2 OF 2

LIGHTING NOTES

1. LOCATIONS OF CONDUIT, FOUNDATIONS, PULL BOXES, AND CONTROL CABINETS SHOWN ON THE PLANS ARE SCHEMATIC AND SHALL BE ADJUSTED IN THE FIELD TO MAXIMIZE CLEAR SPACE AVAILABLE FOR PEDESTRIANS AND WHEELCHAIRS TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT. THE CONTRACTOR SHALL MEET WITH THE PROJECT MANAGER IN THE FIELD AT ALL LOCATIONS TO SPOT EQUIPMENT BEFORE BEGINNING THE WORK. ALL SUCH EQUIPMENT SHALL BE INSTALLED WITHIN THE RIGHT-OF-WAY.
2. ALL WIRE ON THIS PROJECT TO BE COPPER ONLY.
3. LIGHT STANDARDS SHALL HAVE BREAKAWAY SYSTEMS.
4. ALL ROADWAY LIGHTING CIRCUITS ON THIS PROJECT SHALL BE 240 VOLTS.
5. ALL PULL BOXES INSTALLED FOR ROADWAY LIGHTING SHALL BE STANDARD SIZE.
6. CONTRACTOR SHALL REMOVE EXISTING CONDUITS AND PULL BOXES THROUGH-OUT THE PROJECT AS DIRECTED BY PROJECT MANAGER.
7. ALL LIGHTING IMPROVEMENTS FOR THIS PROJECT SHALL CONFORM TO THE NEW MEXICO DEPARTMENT OF TRANSPORTATION'S INTERIM SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, 2005 EDITION, DIVISION 700.
8. ALL ROADWAY LUMINAIRES AND LIGHTING STANDARDS WHICH ARE REMOVED SHALL BE SALVAGED AND DELIVERED TO PNM BY THE CONTRACTOR.
9. EACH TIME A ROADWAY LUMINAIRE IS TURNED ON OR OFF THE CONTRACTOR SHALL COORDINATE WITH THE FOLLOWING:

   PUBLIC SERVICE COMPANY OF NEW MEXICO, LARRY STEVENS (505) 241-3316
   CITY OF ALBUQUERQUE
   BERNALILLO COUNTY PROJECT MANAGER

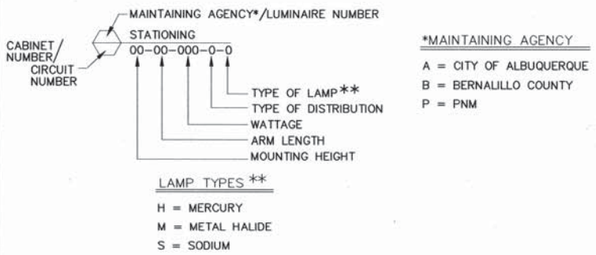
   POWER SHALL NEITHER BE TURNED ON NOR OFF UNTIL RESPONSIBLE PARTIES FOR EACH LIGHTING SYSTEM HAVE BEEN NOTIFIED.
10. THE CITY OF ALBUQUERQUE SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF STREET LIGHTING ON THIS PROJECT SOUTH OF STA. 53+00. BERNALILLO COUNY SHALL BE RESPONSIBLE FOR STREET LIGHTING ON THIS PROJECT NORTH OF STA. 53+00.

LIGHTING NOTES (CONTINUED)

11. THE DESIGN IS BASED UPON TYPE III, 250 WATT, 240 V, HIGH PRESSURE SODIUM, FULL CUT-OFF, FLAT GLASS LUMINAIRES WITHOUT INDIVIDUAL PHOTO CELLS.
12. ALL LIGHTING CONTROL CABINETS SHALL INCLUDE PHOTO ELECTRIC CELLS.
13. ANCHOR BOLTS SHALL BE CONSIDERED INCIDENTAL TO COST OF THE POLE.
14. LIGHTING STANDARDS SHALL BE LOCATED TO LEAVE A 3' MINIMUM SIDEWALK CLEAR SPACE.
15. ALL LIGHTING CONTROL CABINETS AND ELECTRICAL CONTACTORS SHALL BE TESCO (OR APPROVED EQUAL).
16. LUMINAIRES SHALL BE G.E. LIGHTING SYSTEMS INC. MODEL MDCL24S0A22FMC32.
17. LIGHTS NEAR EXISTING OVERHEAD TRANSMISSION LINES MUST MAINTAIN A 13' VERTICAL CLEARANCE AND/OR A 14' HORIZONTAL CLEARANCE FROM CLOSEST PHASE CONDUCTOR. THE PUBLIC SERVICE COMPANY OF NEW MEXICO WILL ASSIST IN MEASUREMENT AND DETERMINATION OF CLEARANCE.
18. LIGHTING WILL BE COMPLETED WITH CONSTRUCTION PHASING, REFER TO THE TRAFFIC CONTROL SHEETS. NEW LIGHTING SHALL BE OPERATIONAL PRIOR TO OPENING ROADWAY TO TRAFFIC.
19. PRIOR TO CONSTRUCTION OF THIS PROJECT, THE CONTRACTOR SHALL HOLD A MEETING WITH THE LIGHTING CONTRACTOR, PNM ELECTRIC, THE CITY OF ALBUQUERQUE, AND BERNALILLO COUNTY LIGHTING STAFF. AT THIS MEETING, PNM SHALL NOTIFY THE CONTRACTOR AS TO WHAT WILL BE EXPECTED WITH CONSTRUCTION OF THE JOB BEFORE IT WILL BE ACCEPTED BY PNM. THE COST OF THIS MEETING SHALL BE INCIDENTAL TO THE COST OF CONSTRUCTION.
20. THREE FEET OF WORKING SPACE MUST BE AVAILABLE DIRECTLY NEXT TO THE SITE OF EACH LIGHT POLE HANDHOLE FOR FUTURE MAINTENANCE.

LIGHTING LEGEND

NEW	EXISTING	ITEM
■—●	○—○	LIGHTING STANDARD WITH LUMINAIRE AS INDICATED
●—		LUMINAIRE MOUNTED ON EXISTING UTILITY POLE
— — —	— — —	CONDUIT RUN
■	□	PULL BOX
[J]	[J]	JUNCTION BOX
●	○	SERVICE POLE WITH SERVICE RISER
[LC]	[LC]	LIGHTING CONTROL CABINET
⊢		10' STUB WITH CAP (CAP INCIDENTAL)



*MAINTAINING AGENCY
A = CITY OF ALBUQUERQUE
B = BERNALILLO COUNTY
P = PNM

LAMP TYPES **
H = MERCURY
M = METAL HALIDE
S = SODIUM

LIGHTING INCIDENTAL ITEMS

1. ANCHOR BOLTS FOR FOUNDATIONS.
2. GROUND RODS FOR FOUNDATIONS.
3. UNIVERSAL SUPPORT BRACKETS FOR SERVICE RISERS.
4. CONCRETE FOUNDATION FOR LIGHTING CONTROL CABINETS INCLUDING EXCAVATION, BACKFILL, CONCRETE, GROUNDRODS, AND ANCHOR BOLTS.
5. CONCRETE COLLARS FOR PULLBOXES.

LIGHTING QUANTITIES

ITEM NO.	DESCRIPTION	UNITS	TOTAL	USE
511000	STRUCTURAL CONCRETE, CLASS A	CU. YD.	64	65
540060	REINFORCING BARS, GRADE 60	LBS.	4,416	4,500
706110	SERVICE RISER - LIGHTING	EACH	3	3
706405	LIGHTING CONTROL CABINET, SIX CIRCUIT	EACH	3	3
707540	TYPE V STANDARD, 40'	EACH	48	48
709020	RIGID ELECTRICAL CONDUIT 2" (DIA.)	LIN. FT.	7,200	7,200
710000	ELECTRICAL PULL BOX (STANDARD)	EACH	4	4
711102	SINGLE CONDUCTOR 2	LIN. FT.	14,364	14,500
711108	SINGLE CONDUCTOR 8	LIN. FT.	7,200	7,200
711210	SINGLE CONDUCTOR 1/0	LIN. FT.	155	200
716025	ROADWAY LUMINAIRE TYPE 250S	EACH	48	48

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNIDER MILLER 1/08 DATE
INSPECTIONS BY BCPWD 1/09 DATE
FIELD TAKEOFF BY BCPWD 1/09 DATE
VERIFICATION BY BCPWD 1/09 DATE
PLANS MARKED CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

ENGINEER'S SEAL
KAREN ASPELIN NEW MEXICO 13293 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

DESIGN
DESIGNED BY KA DATE 8/1/07
DRAWN BY KA DATE 8/1/07
CHECKED BY NA DATE 8/1/07

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
LIGHTING NOTES AND QUANTITIES

DESIGN REVIEW COMMITTEE: APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED NOV 14 2007 CITY ENGINEER
MO./DAY/YR. | MO./DAY/YR.

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 8-1

G:\33588_Edith\04 Engineering\Plans\Section 8\8LT.DWG 8/4/2007 10:45:04 AM MDT

RECORD DRAWING

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

LIGHTING LEGEND

NEW	EXISTING	ITEM
●——●	○——○	LIGHTING STANDARD WITH LUMINAIRE AS INDICATED
●——●		LUMINAIRE MOUNTED ON EXISTING UTILITY POLE
——	——	CONDUIT RUN
■	□	PULL BOX
JB	JB	JUNCTION BOX
●——T	○——T	SERVICE POLE WITH SERVICE RISER
LC	LC	LIGHTING CONTROL CABINET
T		10' STUB WITH CAP (CAP INCIDENTAL)

*MAINTAINING AGENCY
A = CITY OF ALBUQUERQUE
B = BERNALILLO COUNTY
P = PNM

CABINET/ NUMBER/ CIRCUIT NUMBER — MAINTAINING AGENCY*/LUMINAIRE NUMBER — STATIONING 00-00-000-0-0 — TYPE OF LAMP** — TYPE OF DISTRIBUTION — WATTAGE — ARM LENGTH — MOUNTING HEIGHT

LAMP TYPES **
H = MERCURY
M = METAL HALIDE
S = SODIUM

KEYED NOTES:
1. 2" R.E.C. WITH 1-SC 1/0 CABLE
2. 2" R.E.C. WITH 2-NO. 2 AND 1-NO. 8 CABLES
3. STANDARD SIZE PULL BOX
4. LIGHTING CONTROL CABINET
5. SERVICE CONNECTION

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY Sauer Miller 7/8 DATE
INSPECTION & MAINTENANCE BY BCPWD 1/09 DATE
FIELD VERIFICATION BY BCPWD 1/09 DATE
DRAWING CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
KAREN ASPELIN NEW MEXICO 13293 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	04/09	RELOCATE POWER SERVICE AND LC1	JEH

DESIGN

DESIGNED BY	KA	DATE 8/1/07
DRAWN BY	KA	DATE 8/1/07
CHECKED BY	NA	DATE 8/1/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
LIGHTING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	8-2

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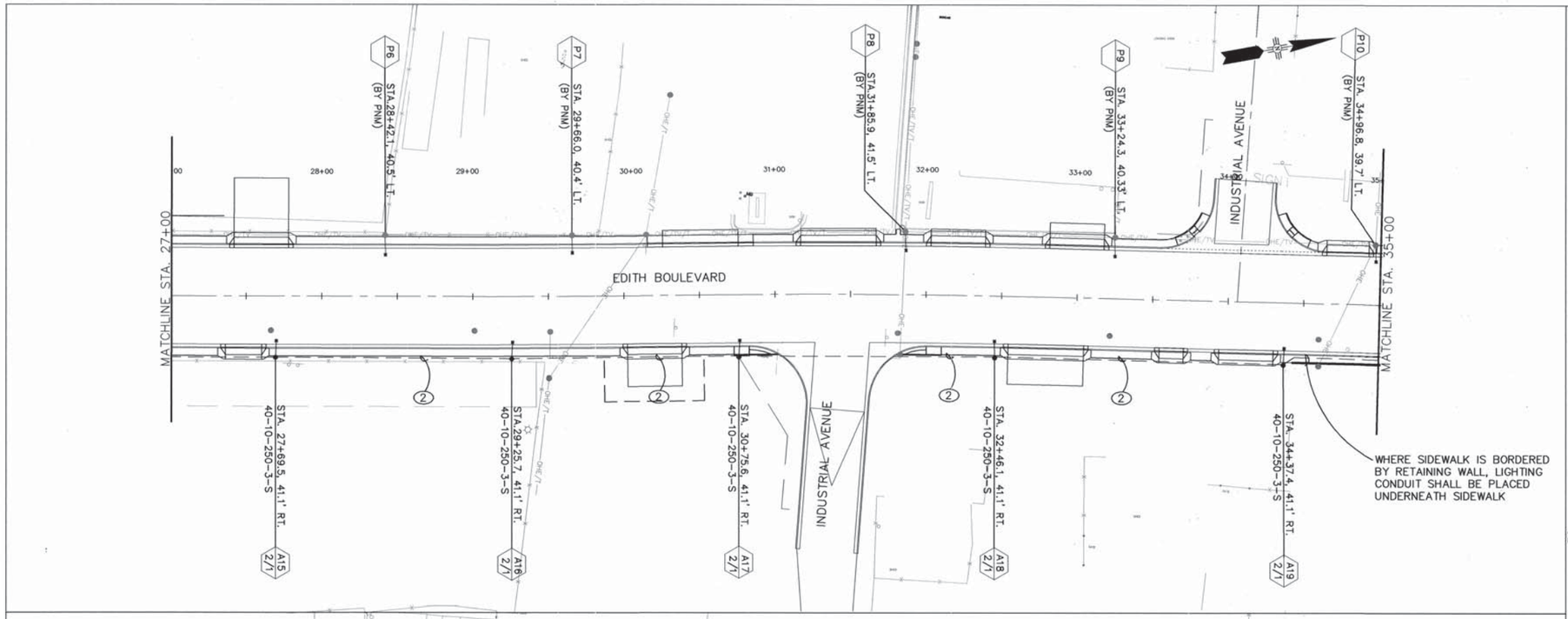

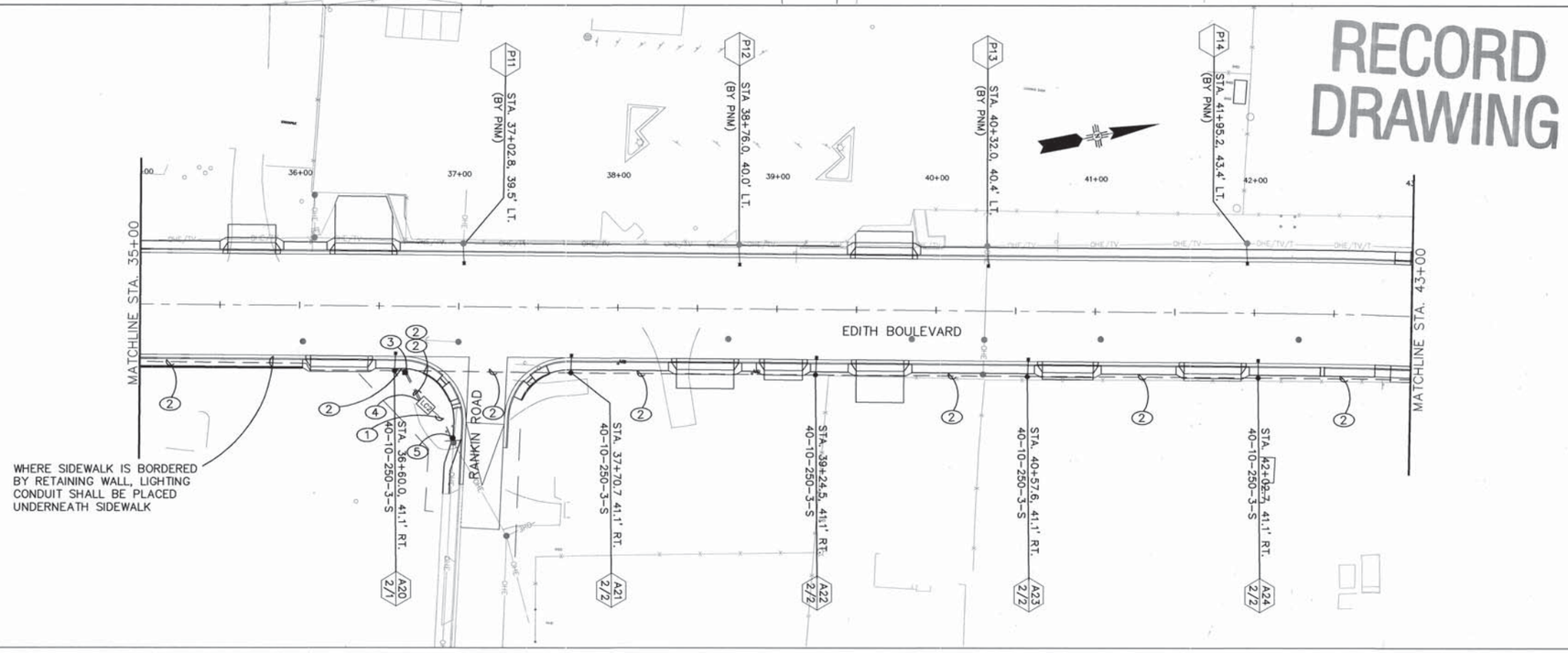

RECORD DRAWING

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

LIGHTING LEGEND

NEW	EXISTING	ITEM
		LIGHTING STANDARD WITH LUMINAIRE AS INDICATED
		LUMINAIRE MOUNTED ON EXISTING UTILITY POLE
		CONDUIT RUN
		PULL BOX
		JUNCTION BOX
		SERVICE POLE WITH SERVICE RISER
		LIGHTING CONTROL CABINET
		10' STUB WITH CAP (CAP INCIDENTAL)

*MAINTAINING AGENCY
A = CITY OF ALBUQUERQUE
B = BERNALILLO COUNTY
P = PNM

CABINET/ CIRCUIT NUMBER

MAINTAINING AGENCY*/LUMINAIRE NUMBER
STATIONING
00-00-000-0-0
TYPE OF LAMP**
TYPE OF DISTRIBUTION
WATTAGE
ARM LENGTH
MOUNTING HEIGHT

LAMP TYPES **
H = MERCURY
M = METAL HALIDE
S = SODIUM

KEYED NOTES:
1. 2" R.E.C. WITH 3-SC 1/0 CABLE
2. 2" R.E.C. WITH 2-NO. 2 AND 1-NO. 8 CABLES
3. STANDARD SIZE PULL BOX
4. LIGHTING CONTROL CABINET
5. SERVICE CONNECTION

AS BUILT INFORMATION
CONTRACTOR A.S. HARNER
WORK STAKED BY SNIDER MILLER 7/08 DATE
INSPECTION & FIELD CHANGES BY BOPND 1/09 DATE
VERIFICATION BY BOPND 1/09 DATE
DRAWING CORRECTED BY P.B. 3/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
KAREN ASPELIN NEW MEXICO (13293) REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	04/09	REVISED KEY NOTE 1	VRV

DESIGN

DESIGNED BY	KA	8/1/07
DRAWN BY	KA	8/1/07
CHECKED BY	NA	8/1/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
LIGHTING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	8-3

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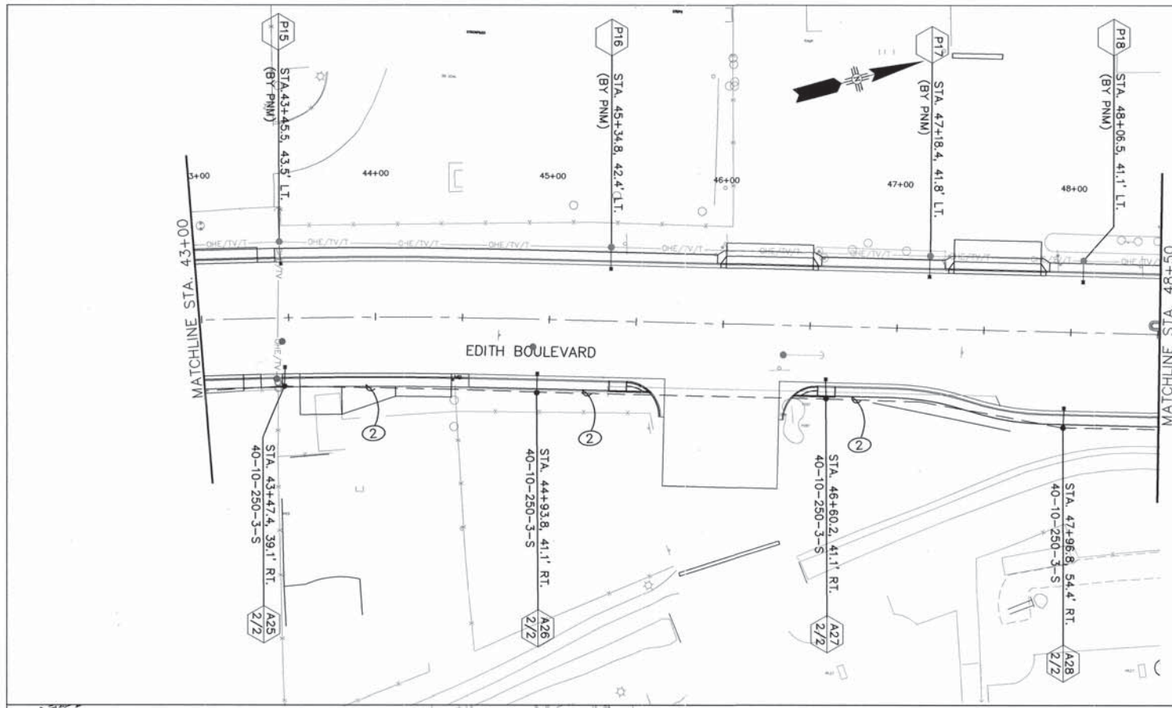

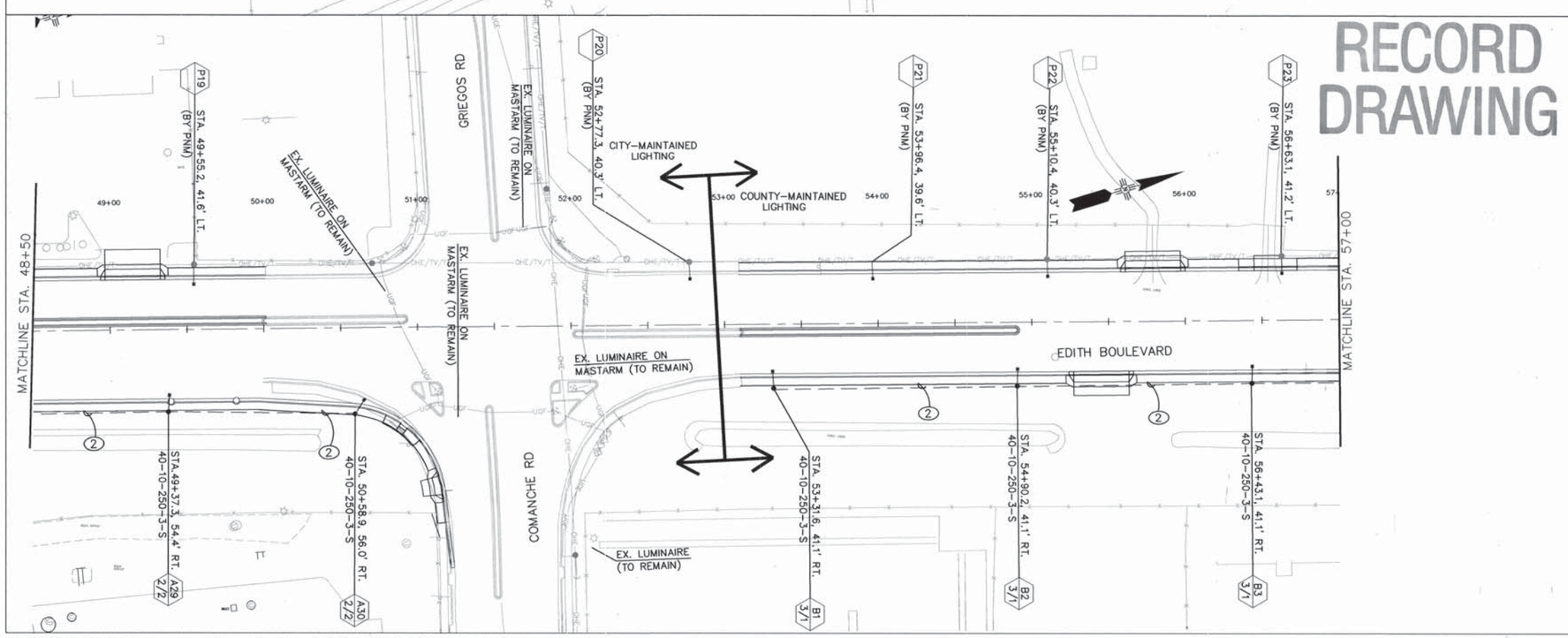

RECORD DRAWING

GRAPHIC SCALE

40 0 20 40 80

(IN FEET)
1 inch = 40 ft.

LIGHTING LEGEND

NEW	EXISTING	ITEM
●—■	○—□	LIGHTING STANDARD WITH LUMINAIRE AS INDICATED
●—	○—	LUMINAIRE MOUNTED ON EXISTING UTILITY POLE
— —	— —	CONDUIT RUN
■	□	PULL BOX
J	J	JUNCTION BOX
●	○	SERVICE POLE WITH SERVICE RISER
LC	LC	LIGHTING CONTROL CABINET
⊢		10' STUB WITH CAP (CAP INCIDENTAL)

*MAINTAINING AGENCY

A = CITY OF ALBUQUERQUE
B = BERNALILLO COUNTY
P = PNM

CABINET/ CIRCUIT NUMBER

MAINTAINING AGENCY*/LUMINAIRE NUMBER
STATIONING
00-00-000-0-0
TYPE OF LAMP**
TYPE OF DISTRIBUTION
WATTAGE
ARM LENGTH
MOUNTING HEIGHT

LAMP TYPES **

H = MERCURY
M = METAL HALIDE
S = SODIUM

KEYED NOTES:

1. 2" R.E.C. WITH 1-SC 1/0 CABLE
2. 2" R.E.C. WITH 2-NO. 2 AND 1-NO. 8 CABLES
3. STANDARD SIZE PULL BOX
4. LIGHTING CONTROL CABINET
5. SERVICE CONNECTION

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNIDER MILLER 1/08 DATE
INSPECTIONS BY BCPWD 1/09 DATE
FIELD TAKE-OFF BY BCPWD 1/09 DATE
VERIFICATION BY BCPWD 5/09 DATE
MARKUPS CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
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NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
KAREN ASPELIN
NEW MEXICO
13293
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	04/09	REVISED KEY NOTE 1	NA

DESIGN

DESIGNED BY	KA	8/1/07 DATE
DRAWN BY	KA	8/1/07 DATE
CHECKED BY	NA	8/1/07 DATE

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
LIGHTING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 8-4

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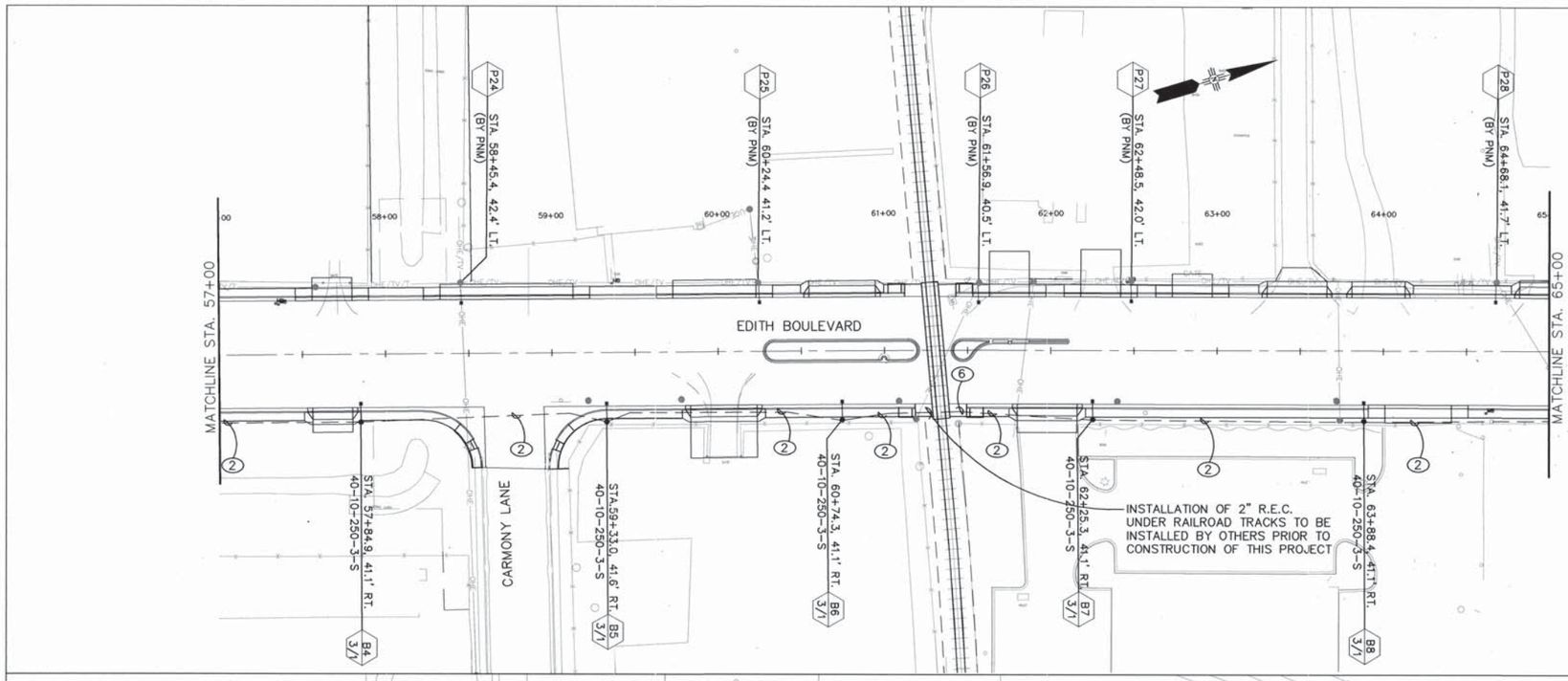
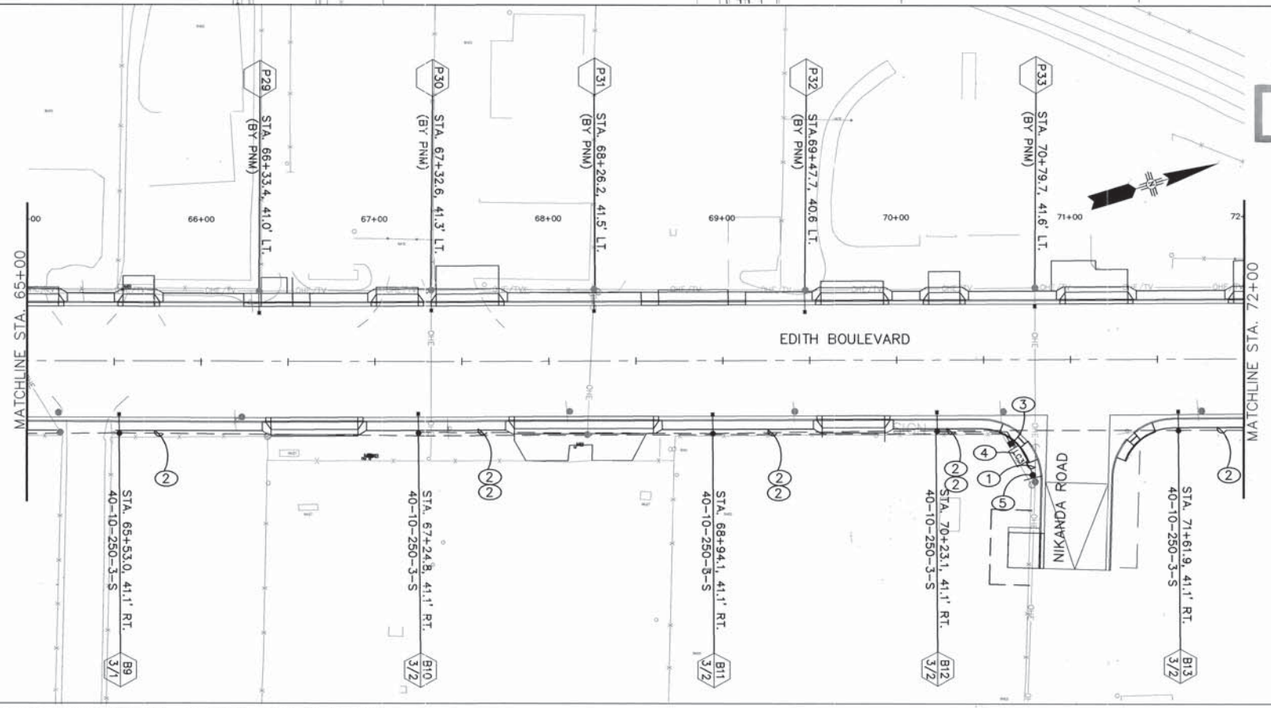




RECORD DRAWING

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

LIGHTING LEGEND

NEW	EXISTING	ITEM
		LIGHTING STANDARD WITH LUMINAIRE AS INDICATED
		LUMINAIRE MOUNTED ON EXISTING UTILITY POLE
		CONDUIT RUN
		PULL BOX
J	J	JUNCTION BOX
SP	SP	SERVICE POLE WITH SERVICE RISER
LC	LC	LIGHTING CONTROL CABINET
		10' STUB WITH CAP (CAP INCIDENTAL)

*MAINTAINING AGENCY
A = CITY OF ALBUQUERQUE
B = BERNALILLO COUNTY
P = PNM

CABINET/ NUMBER/ CIRCUIT NUMBER
MAINTAINING AGENCY*/LUMINAIRE NUMBER
STATIONING
00-00-000-0-0
TYPE OF LAMP**
TYPE OF DISTRIBUTION
WATTAGE
ARM LENGTH
MOUNTING HEIGHT

LAMP TYPES **
H = MERCURY
M = METAL HALIDE
S = SODIUM

KEYED NOTES:
1. 2" R.E.C. WITH #6 SC 1/0 CABLE
2. 2" R.E.C. WITH 2–NO. 2 AND 1–NO. 8 CABLES
3. STANDARD SIZE PULL BOX
4. LIGHTING CONTROL CABINET
5. SERVICE CONNECTION
6. 2–NO. 2 AND 1–NO. 8 CABLES INSTALLED IN EX. CONDUIT UNDER TRACKS

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HARNER
WORK STAKED BY SNIDER-MILLER 1/18 DATE
INSPECTION & MAINTENANCE BY BCPWD 1/09 DATE
FIELD VERIFICATION BY BCPWD 5/09 DATE
DRAWINGS CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
KAREN ASPELIN NEW MEXICO 13293 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	04/09	REVISED KEY NOTE 1	VRV

DESIGN

DESIGNED BY	KA	8/1/07 DATE
DRAWN BY	KA	8/1/07 DATE
CHECKED BY	NA	8/1/07 DATE

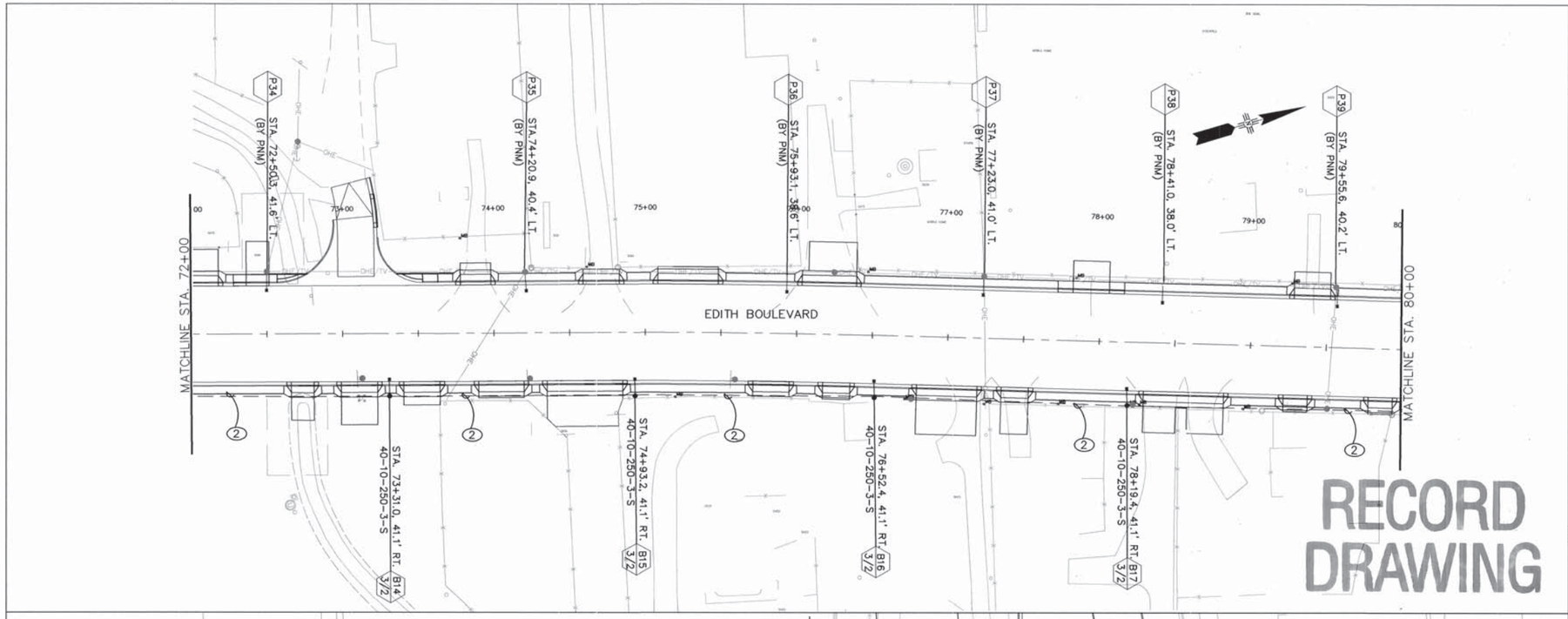
COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

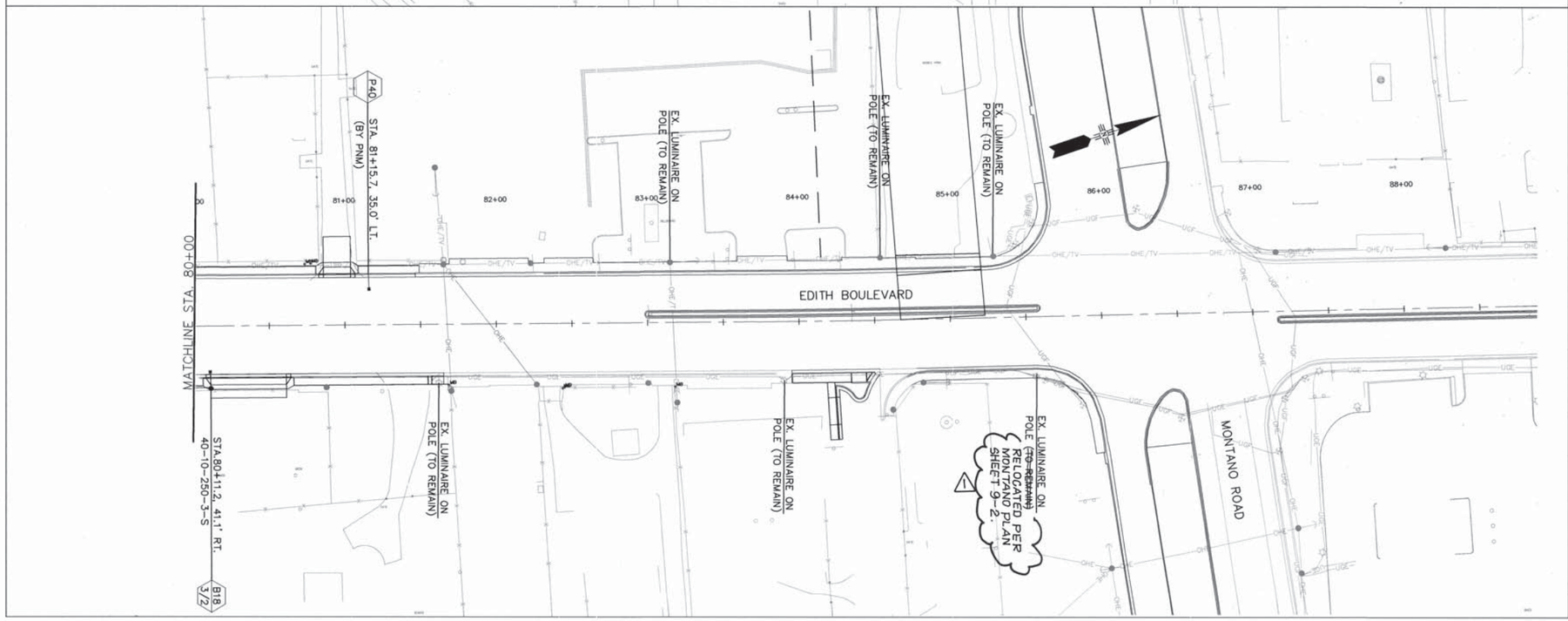
EDITH BLVD. RECONSTRUCTION
LIGHTING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 8-5

G:\33588_Edith\04 Engineering\Plans\Section 8\8LT.DWG 8/4/2007 10:45:04 AM MDT





GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

LIGHTING LEGEND

NEW	EXISTING	ITEM
●—●	○—○	LIGHTING STANDARD WITH LUMINAIRE AS INDICATED
●—	○—	LUMINAIRE MOUNTED ON EXISTING UTILITY POLE
— —	— —	CONDUIT RUN
■	□	PULL BOX
J	J	JUNCTION BOX
●	○	SERVICE POLE WITH SERVICE RISER
LC	LC	LIGHTING CONTROL CABINET
T		10' STUB WITH CAP (CAP INCIDENTAL)

*MAINTAINING AGENCY
A = CITY OF ALBUQUERQUE
B = BERNALILLO COUNTY
P = PNM

CABINET/CIRCUIT NUMBER

MAINTAINING AGENCY*/LUMINAIRE NUMBER
STATIONING
00-00-000-0-0
TYPE OF LAMP**
TYPE OF DISTRIBUTION
WATTAGE
ARM LENGTH
MOUNTING HEIGHT

LAMP TYPES **
H = MERCURY
M = METAL HALIDE
S = SODIUM

KEYED NOTES:

1. 2" R.E.C. WITH ~~4~~ 3 #6 SC 1/0 CABLE
2. 2" R.E.C. WITH 2-NO. 2 AND 1-NO. 8 CABLES
3. STANDARD SIZE PULL BOX
4. LIGHTING CONTROL CABINET
5. SERVICE CONNECTION

AS BUILT INFORMATION

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

CONTRACTOR A.S. HORNER DATE
WORK STAKED BY SAUER MILLER 7/08 DATE
INSPECTION BY BCPWD 1/09 DATE
FIELD CHANGES BY BCPWD 1/09 DATE
VERIFICATION BY BCPWD 5/09 DATE
AS-BUILTING BY P.B. DATE
CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
KAREN ASPELIN
NEW MEXICO
13293
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	BY
1	04/09	VRV

REVISED LUMINAIRE KEY NOTE 1

DESIGN REMARKS

DESIGNED BY	KA	8/1/07
DRAWN BY	KA	8/1/07
CHECKED BY	NA	8/1/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
LIGHTING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 8-6

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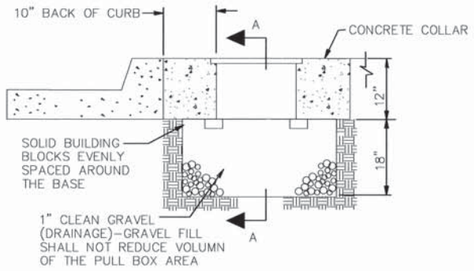
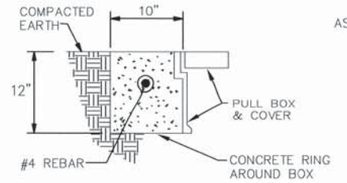
NEW MEXICO PROJECT NO.	SHEET NO.
XXXX	S-114

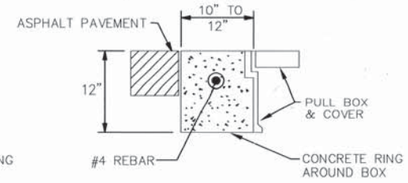


TYPICAL PULLBOX INSTALLATION

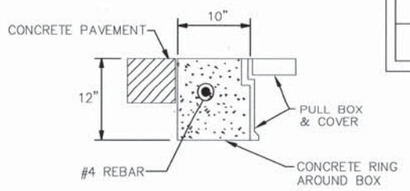
NOTE: SEE "CONCRETE COLLER DETAIL"



IN COMPACTED EARTH



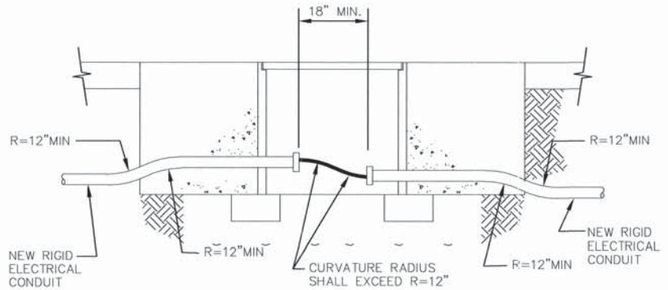
IN ASPHALT PAVEMENTS



IN CONCRETE PAVEMENTS

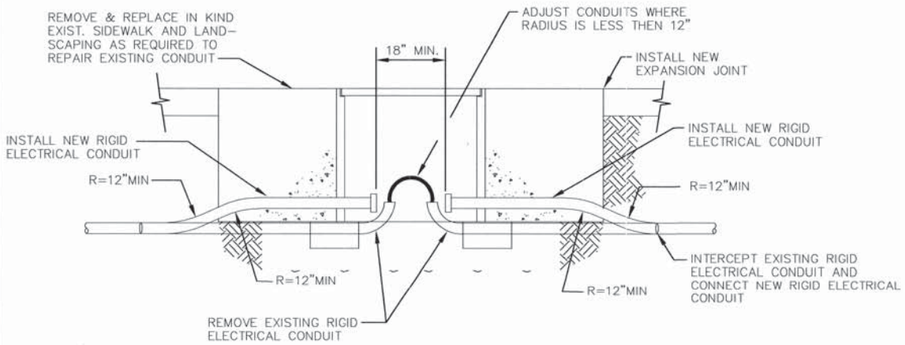
CONCRETE COLLAR DETAILS

NOTE: THE CONCRETE COLLAR FOR THE PULL BOXES WILL BE CONSIDERED INCIDENTAL TO THE PULL BOX BID ITEMS



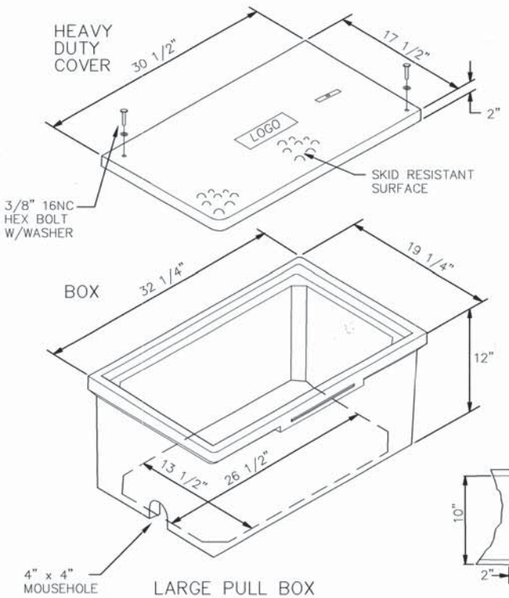
TRAFFIC SIGNAL PULL BOX (TYPICAL)

NEW CONDUIT INSTALLATION

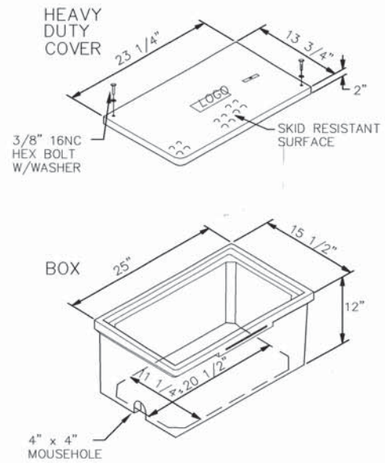


TRAFFIC SIGNAL PULL BOX (TYPICAL)

RETROFIT INSTALLATION



LARGE PULL BOX



STANDARD PULL BOX

PULL BOX DETAILS

NOTES FOR HEAVY DUTY REINFORCED POLYMER MORTAR PULL BOX AND COVERS

1. MATERIAL TO BE AN AGGREGATE CONSISTING OF SAND AND GRAVEL BOUND TOGETHER WITH A POLYMER AND REINFORCED WITH CONTINUOUS WOVEN GLASS STRANDS. THE MATERIAL MUST HAVE THE FOLLOWING MECHANICAL PROPERTIES: COMPRESSIVE STRENGTH – 11,000 PSI, TENSILE STRENGTH – 1,700 PSI, FLEXURAL STRENGTH – 7,500 PSI.
2. ALL PULL BOX COVERS SHALL BE HEAVY DUTY REINFORCED POLYMER MORTAR, HAVING A SERVICE LOAD OF 22,568 LBS. OVER 10" SQUARE (225 PSI).
3. PULL BOX TYPE AND LOGO SHALL BE APPROVED BY THE PROJECT MANAGER.
4. THE DIMENSIONS OF THE PULL BOXES SHOWN ARE NOMINAL DIMENSIONS AND MAY VARY AS TO THE MANUFACTURER'S RECOMENDATIONS. ALL DIMENSIONS SHALL BE VERIFIED BY THE PROJECT MANAGER.
5. ELECTRICAL PULL BOX (STANDARD) SHALL BE A HEAVY DUTY REINFORCED POLYMER MORTAR PULL BOX AND COVER MEASURING 13 3/4" x 23 1/4" x 2".

RECORD DRAWING

NO.	DESCRIPTION	DATE	BY
3			
2			
1			

REVISIONS (OR CHANGE NOTICES)

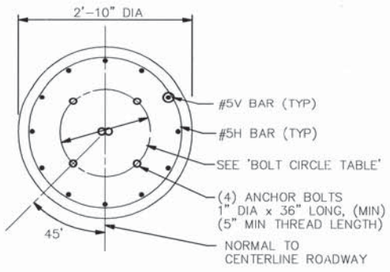
NEW MEXICO
DEPARTMENT OF TRANSPORTATION

PULL BOX DETAILS
CITY OF ALBUQUERQUE

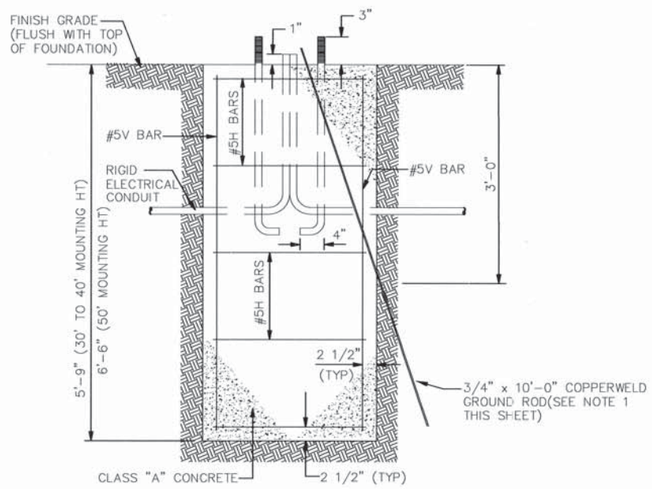
8-7

NEW MEXICO PROJECT NO.	SHEET NO.
XXXX	L-4

BOLT CIRCLE TABLE		
MOUNTING HEIGHT	NUMBER OF ARMS	BOLT CIRCLE
30'-35'	1 OR 2	11" TO 12"
40'	1	11" TO 12"
40'	2	14" TO 15"
50'	1	14" TO 15"
50'	2	14" TO 16"



PLAN

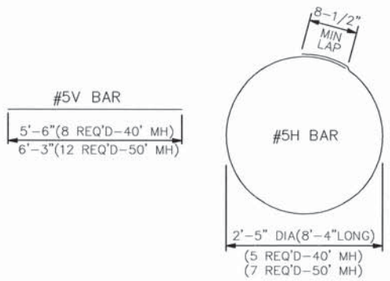


ELEVATION

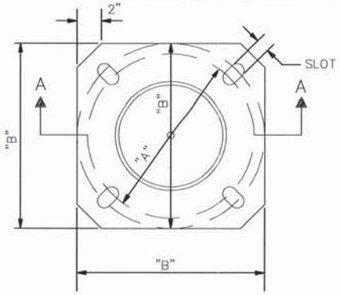
FOUNDATION DETAILS

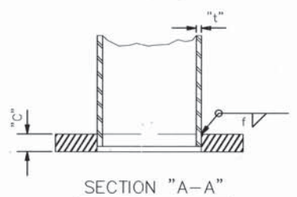
ESTIMATED FOUNDATION QUANTITIES

ITEM	30' TO 40' MOUNTING HT	50' MOUNTING HT
REINFORCING BARS, GRADE 60	92 POUNDS	139 POUNDS
PORTLAND CEMENT CONCRETE CLASS "A"	1.33 CU YDS	1.5 CU YDS



REINFORCING BARS





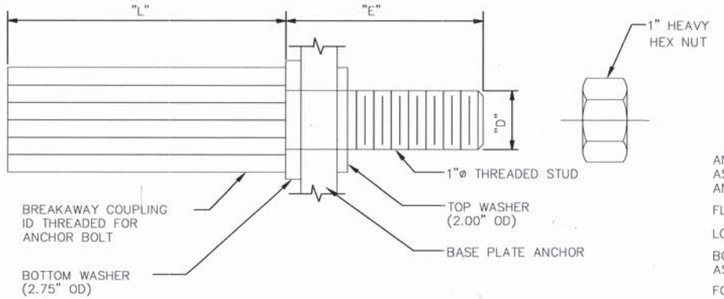
SECTION "A-A"

t. = 0.120	f. = 3/16"
t. = 0.134	f. = 3/16"
t. = 0.179	f. = 1/4"

DIMENSION TABLE					
MOUNTING HEIGHT	NUMBER OF ARMS	DIMENSIONS (INCHES)			
		A (MIN)	B (MAX)	C	SLOT
30'-35'	1 OR 2	11	16	1"	1.13" x 3.69"
40'	1 OR 2	11	16	1"	1.13" x 3.69"
50'	1 OR 2	14	16	1"	1.13" x 2.19"

ANCHOR BASE SHALL BE FABRICATED FROM PLATE STEEL CONFORMING TO ASTM A-36 AND SHALL BE WELDED TO POLE SHAFT PRIOR TO GALVANIZING SHAFT.

ANCHOR BASE DETAIL



DIMENSION TABLE							
D	THREAD	MINIMUM TENSILE STRENGTH	RESTRAINED SHEAR		NUT TORQUE ± 25 FT LBS	L	E
			MIN	MAX			
1"	8 UNC	25 KIPS	30 KIPS	7.5 KIPS	175	4-3/4"	3-5/16"

BREAKAWAY SUPPORT COUPLING SHALL CONFORM TO THE REQUIREMENTS OF AASHTO STANDARDS FOR BREAKAWAY SUPPORTS.

BREAKAWAY COUPLINGS SHOULD NOT BE USED ON 50' DOUBLE ARM POLES.

COUPLING SHALL BE FABRICATED FROM EITHER DIE CAST ALUMINUM ALLOY 380 ACCORDING TO ASTM B-85, OR EXTRUDED FROM ALLOY 2024-T8511 ACCORDING TO ASTM A-153.

WASHERS SHALL BE FABRICATED FROM ASTM A-36 STEEL PLATE AND SHALL BE GALVANIZED ACCORDING TO ASTM A-153.

HEX NUTS SHALL MEET THE REQUIREMENTS OF ASTM A-563 GRADE A, AND ANSI 18.2.2 HEX TYPE AND SHALL BE GALVANIZED ACCORDING TO ASTM A-153.

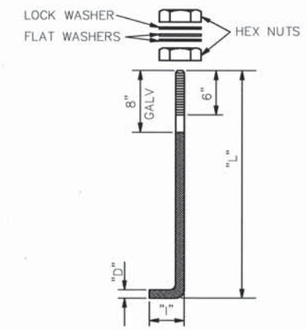
THREADED STUD SHALL MEET THE REQUIREMENT OF ASTM A-675 GRADE 90 AND IS GALVANIZED WITH ASTM A-153, OR IS FABRICATED FROM AISI STAINLESS STEEL.

WHEN COUPLINGS ARE FURNISHED, EACH LIGHT POLE SHALL BE FURNISHED WITH FOUR (4) COUPLINGS AND THREADED STUDS, EIGHT (8) FLAT WASHERS, AND FOUR (4) HEX NUTS.

BREAKAWAY SUPPORT COUPLING

GENERAL NOTES:

1. ALL FOUNDATIONS SHALL INCLUDE COPPERWELD GROUND RODS AS SHOWN WHICH SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE FOUNDATION. NO PRICE OR PAYMENTS SHALL BE MADE THEREFOR.
2. WELDING SHALL BE IN ACCORDANCE WITH SECTION 1.4.2 OF AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS.
3. ALUMINUM STANDARDS MAY UTILIZE EITHER AN APPROVED ALUMINUM BASE OR BREAKAWAY COUPLINGS WHICH WILL BE CONSIDERED INCIDENTAL TO THE LIGHTING STANDARD.



DIMENSION TABLE					
MOUNTING HEIGHT	NUMBER OF ARMS	D	L	I	UNC
30'-50'	1 OR 2	1"	36	4	8

ANCHOR BOLTS SHALL BE HOT BENT AND SHALL MEET THE REQUIREMENTS OF ASTM A-675 GRADE 90, NUTS MEET THE REQUIREMENTS OF ASTM A-563 GRADE A, AND ANSI B18.2.

FLAT WASHERS SHALL MEET THE REQUIREMENTS OF ANSI B27.2 HEAVY WASHERS.

LOCK WASHERS SHALL MEET THE REQUIREMENTS OF ANSI B18.21.1 HEAVY WASHERS.

BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A-153.

FOUR (4) ANCHOR BOLTS, EIGHT(8) HEX NUTS, EIGHT (8) FLAT WASHERS, AND FOUR (4) LOCK WASHERS SHALL BE FURNISHED WITH EACH POLE.

NUTS, FLAT WASHERS, AND LOCK WASHERS FURNISHED FOR BREAKAWAY SUPPORTS SHALL BE SPECIFIED ON DETAILS.

ANCHOR BOLTS

RECORD DRAWING

NO.	DESCRIPTION	DATE	BY
3			
2			
1			

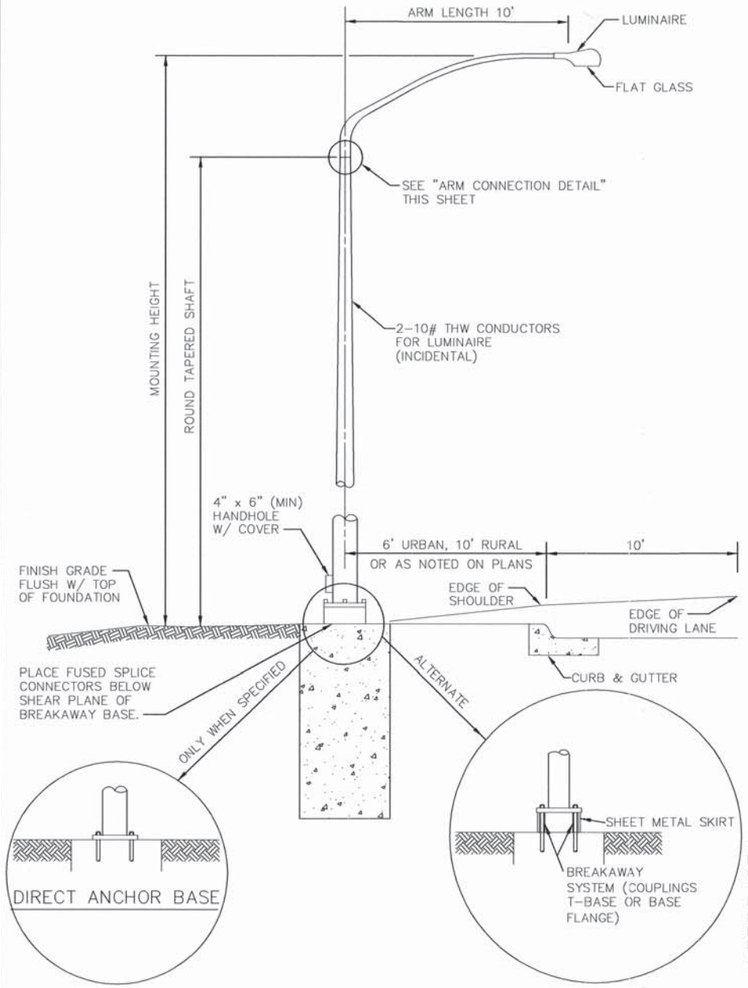
REVISIONS (OR CHANGE NOTICES)

NEW MEXICO
DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING
FOUNDATION & BASE DETAILS

8-8

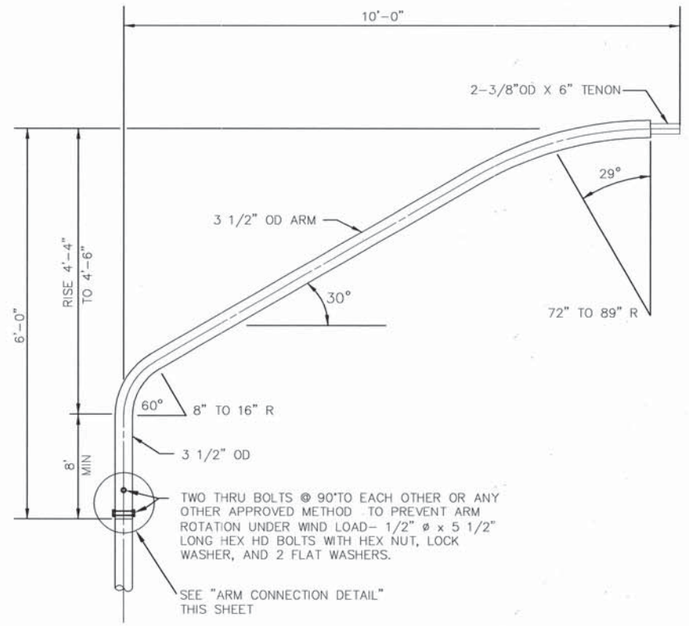
NEW MEXICO PROJECT NO.	SHEET NO.
XXXX	L-3



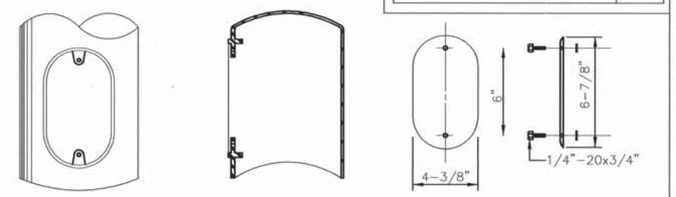
TYPE "V" STANDARD INSTALLATION

NOTES

1. MASTARM SHALL BE DAVIT STYLE. DIMENSIONS SHALL BE AS NOTED. ARM SHALL BE ATTACHED ON A SHAFT TENON AS DETAILED. SHAFT SHALL BE A ROUND TAPERED TUBE.
2. NUTS, BOLTS OR FASTENERS SHALL COMPLY WITH ASTM A-307 OR AASHTO M-314 GRADE 55 AND BE ZINC PLATED, ASTM A-153 OR CADMIUM PLATED, ASTMA-165.
3. BOLT GASKET SHALL BE 22 GAUGE STAINLESS STEEL SHEET OF 18-8 SERIES (301, 302, 303, 304).
4. GROUTING SHALL BE IN ACCORDANCE TO SECTION 617 OF THE STANDARD SPECIFICATIONS.
5. ACCEPTABLE TYPE V LIGHTING STANDARDS ARE VALMONT, HAPCO ALUMINUM, AND UNION METAL.
6. DETAILS SHOWN ARE FOR STEEL POLES. PRE-APPROVED ALUMINUM POLES MAY BE USED.



ARM DETAIL



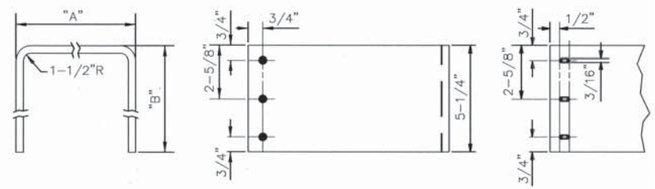
HANDHOLE REINFORCEMENT SHALL BE EITHER FORGED FROM STEEL CONFORMING TO ASTM A-576, GRADE 1021, OR FABRICATED FROM 3/16" WALL TUBING CONFORMING ASTM A-39; OR CAST FROM STEEL CONFORMING TO ASTM A-27, GRADE 65-35, OR FABRICATED WITH 6" STANDARD BLACK PIPE (0-0.280" WALL) ASTM A-53 GRADE B.

REINFORCEMENT SHALL BE WELDED TO THE POLE SHAFT IN THE 90 DEGREE LOCATION, PRIOR TO GALVANIZING POLE SHAFT. COVER SHALL BE FABRICATED FROM 3/16" SHEET STEEL OR ALUMINUM. STEEL COVER IS GALVANIZED ACCORDING TO ASTM A-153. COVER SHALL BE EQUIPPED WITH TWO (2) AISI 304 STAINLESS STEEL 1/4" - 20 x 3/4" HEX CAP SCREW AND TWO (2) CAPTIVE WASHERS.

PROVISION FOR INTERNAL GROUNDING SHALL BE PROVIDED BY A TAPPED HOLE.

HANDHOLE REINFORCEMENT SHALL STRENGTHEN POLE SHAFT SECTION TO THAT OF A SHAFT FABRICATED WITHOUT A HANDHOLE.

HANDHOLE DETAILS



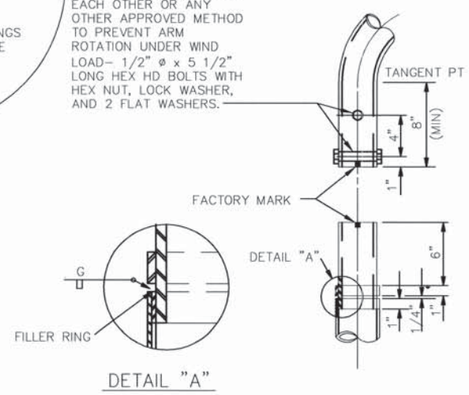
SPECIFICATION:

SKIRT COVER SHALL BE FABRICATED FROM 1/16" SHEET ALUMINUM ALLOY 3003H14. SCREWS ARE SELF TAPPING #10 x 5/8" STAINLESS STEEL.
WHEN COUPLINGS ARE SPECIFIED, EACH LIGHT POLE WILL BE FURNISHED WITH TWO (2) SKIRT COVER SECTIONS AND SIX (6) SCREWS.

INTENDED USE:

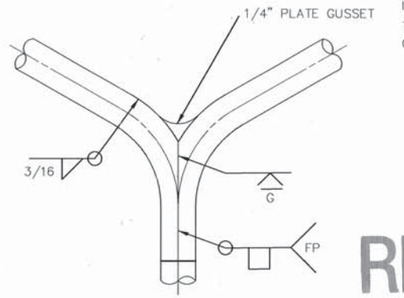
THE SKIRT COVER IS USED TO ENCLOSE VOID UNDER POLES WITH BREAKAWAY SUPPORT COUPLINGS.

SKIRT COVER DETAILS



DETAIL "A"

ARM CONNECTION DETAIL



DOUBLE ARM CONNECTION DETAIL

RECORD DRAWING

NO.	DESCRIPTION	DATE	BY
3			
2			
1			

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO
DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING
TYPE "V" STANDARD

8-9

TRAFFIC SIGNAL NOTES

1. THIS PROJECT INCLUDES MODIFICATIONS TO AN EXISTING SIGNAL SYSTEM AND INSTALLATION OF A NEW EMPTY CONDUIT FOR FUTURE SIGNAL INTERCONNECTION.
2. ALL WORK ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL CONFORM TO THE CURRENT NATIONAL ELECTRIC CODE, THE STANDARDS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS FOR ELECTRICAL WIRING AND APPARATUS, AND THE CITY'S TRAFFIC ENGINEERING OPERATIONS DRAFT SPECIFICATIONS (CURRENT EDITION).
3. LOCATIONS OF CONDUITS, FOUNDATIONS, CONTROL CABINETS, POLES, PULL BOXES, MANHOLES, AND SPLICE CABINETS SHOWN ON THE PLANS ARE SCHEMATIC AND SHALL BE ADJUSTED IN THE FIELD TO MAXIMIZE CLEAR SPACE AVAILABLE FOR PEDESTRIANS AND WHEELCHAIRS TO COMPLY WITH THE AMERICAN WITH DISABILITIES ACT. THE CONTRACTOR SHALL MEET WITH THE COUNTY'S AND CITY'S TRAFFIC ENGINEERING OPERATIONS PERSONNEL IN THE FIELD AT ALL LOCATIONS TO SPOT EQUIPMENT BEFORE BEGINNING THE WORK. ALL SUCH EQUIPMENT SHALL BE INSTALLED WITHIN THE RIGHT-OF-WAY.
4. THE CONTRACTOR IS WARNED THAT EXISTING CONDUITS MAY CONTAIN AC POWER AND CAUTION SHALL BE EXERCISED IN INTERCEPTING OR INSTALLING CABLE IN EXISTING CONDUIT.
5. THE CONTRACTOR SHALL BORE, DRILL OR PUSH WHEN CROSSING EXISTING RAILROAD TRACKS, PAVEMENTS AND ANY DRIVEWAYS FOR SIDE STREET CROSSINGS. BEFORE CONDUIT CAN BE BORED, DRILLED OR PUSHED THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES. THE CONTRACTOR SHALL LOCATE AND EXPOSE GAS LINES WHICH CROSS ANY PROPOSED BORES. THESE EXCAVATIONS SHALL REMAIN OPEN UNTIL AFTER THE BORE IS COMPLETE. CONTRACTOR SHALL REMOVE AND REPLACE IN KIND ANY SIDEWALK OR PAVEMENT REQUIRED TO EXPOSE SUCH LINES. THE CONTRACTOR MAY CUT, TRENCH, AND REPLACE EXISTING PAVEMENT ONLY WHEN APPROVED BY THE PROJECT MANAGER.
6. SPLICING OF TRAFFIC SIGNAL MCC WILL BE PERMITTED IN LARGE PULL BOXES INCLUDING LARGE MEDIAN PULL BOXES. SPLICING OF VIDEO DETECTION COAXIAL CABLE WILL NOT BE PERMITTED FROM THE MASTARM BASE TO THE CONTROLLER CABINET. SPLICING OF OPTICAL DETECTOR CABLE WILL NOT BE PERMITTED FROM THE DETECTOR TO THE CONTROLLER CABINET.
7. THE CONTRACTOR SHALL NOTIFY THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS (857-8000) THREE WORKING DAYS IN ADVANCE OF ANY ANTICIPATED WORK ON SIGNALS, LIGHTING, AND POWER SERVICES AT THE EDITH/CANDELARIA AND EDITH/COMANCHE INTERSECTIONS, AND SHALL NOTIFY BERNALILLO COUNTY'S TRAFFIC ENGINEERING OPERATIONS (848-1500) THREE WORKING DAYS IN ADVANCE OF ANY ANTICIPATED WORK ON SIGNALS, LIGHTING, AND POWER SERVICES AT THE EDITH/MONTANO INTERSECTION. TRAFFIC ENGINEERING OPERATIONS PERSONNEL WILL ASSIST THE CONTRACTOR IN THE FIELD LOCATION OF EQUIPMENT, COLOR CODING OF WIRING, AND MUST BE PRESENT WHEN SIGNALS AND LIGHTING ARE SHUT OFF OR TURNED ON. THE CONTRACTOR SHALL ALSO NOTIFY THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS EACH TIME A SIGNAL CONTROLLER DOOR IS TO BE OPENED AT THE EDITH/CANDELARIA OR EDITH/COMANCHE INTERSECTIONS, AND BERNALILLO COUNTY TRAFFIC ENGINEERING OPERATIONS WHEN THE CONTROLLER DOOR IS TO BE OPENED AT EDITH/MONTANO.
8. THE CONTRACTOR SHALL NOTIFY PNM 30 DAYS IN ADVANCE OF ANY ANTICIPATED POWER SERVICE CONNECTIONS OR MODIFICATIONS. THE CONTRACTOR SHALL COORDINATE WITH PNM TO MAINTAIN ELECTRICAL SERVICE IN THE CITY'S NAME AT THE EDITH/CANDELARIA AND EDITH/COMANCHE INTERSECTIONS, AND IN THE COUNTY'S NAME AT THE EDITH/MONTANO INTERSECTION. THE CITY WILL CONTINUE TO PAY PNM MONTHLY COSTS OF ELECTRICAL SERVICE. IT IS ANTICIPATED THAT THERE WILL BE NO CHARGES BY PNM.
9. THE CONTRACTOR SHALL REMOVE ALL CONFLICTING SIGNING AND DELIVER TO THE CITY TRAFFIC ENGINEERING YARD WHEN TRAFFIC SIGNALS ARE PUT INTO OPERATION.
10. LIVE UNUSED CONDUCTORS WILL NOT BE ALLOWED AT MASTARM POLES AND PEDESTAL POLES. ALL SUCH UNUSED CONDUCTORS SHALL BE DISCONNECTED AT THE LARGE PULL BOX ADJACENT TO THE POLE.
11. IF TRENCH WIDTHS LESS THAN 12" ARE PROPOSED BY THE CONTRACTOR, APPROVED COMPACTION METHODS SHALL BE USED DURING BACKFILL TO PREVENT LATENT TRENCH FAILURES. THE CONTRACTOR SHALL USE GROUT OR LEAN FILL AS APPROVED BY THE PROJECT MANAGER IN LIEU OF EARTH BACKFILL.
12. THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS WILL PROVIDE TRAFFIC SIGNAL TIMING PLANS AND WILL PROGRAM TRAFFIC SIGNAL CONTROLLERS AT THE EDITH/CANDELARIA AND EDITH/COMANCHE INTERSECTIONS.
13. EXISTING CONDUITS TO BE REMOVED OR ABANDONED SHALL HAVE ALL WIRING REMOVED.
14. THE CONTRACTOR SHALL PROVIDE OFF-DUTY POLICE OFFICERS TO DIRECT TRAFFIC WHEN SIGNALS ARE TURNED OFF.
15. ALL DATA SHOWN HEREIN CONCERNING EXISTING UTILITIES HAS BEEN OBTAINED FROM "AS-BUILT" DRAWINGS AND FROM FIELD OBSERVATIONS WHICH MAY OR MAY NOT BE ACCURATE. THE CONTRACTOR WILL BE RESPONSIBLE FOR EXPLORATORY TRENCHING, IF NECESSARY, TO MORE SPECIFICALLY LOCATE UTILITY LINES. COST OF LOCATING LINES INCLUDING EXPLORATORY TRENCHING WILL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
16. THE CONTRACTOR SHALL VIDEO TAPE THE EXISTING TRAFFIC SIGNAL EQUIPMENT IN VHS FORMAT AND PROVIDE A COPY OF THE TAPE TO THE CITY OF ALBUQUERQUE AND BERNALILLO COUNTY AND REVIEW THE TAPE WITH THE CITY'S AND COUNTY'S TRAFFIC ENGINEERING OPERATIONS PERSONNEL PRIOR TO BEGINNING ANY REMOVALS OF SIGNAL EQUIPMENT. THE TAPES SHALL BECOME THE PROPERTY OF THE CITY AND COUNTY AND MAY BE USED TO RESOLVE ANY QUESTIONS RELATED TO THE ORIGINAL CONDITION AND QUALITY OF EXISTING EQUIPMENT.

INCIDENTAL ITEMS *

1. REMOVAL OF EXISTING PULL BOXES, CONDUITS, OR OTHER SIGNAL AND LIGHTING EQUIPMENT NOT SPECIFICALLY ENUMERATED AS BID ITEMS FOR INSTALLATION OF NEW SIGNAL AND LIGHTING EQUIPMENT.
2. CABLE TESTING AND DIAGRAMS.
3. BORING, DRILLING, PUSHING, AND TRENCHING, INCLUDING REMOVAL AND REPLACEMENT OF PAVEMENT, SIDEWALKS, DRIVE PADS, VALLEY GUTTERS, WHEELCHAIR RAMPS, CURB & GUTTER, AND LANDSCAPING (INCLUDING SPRINKLERS) FOR INSTALLATION OF PULL BOXES, CONDUITS, AND SIGNAL FOUNDATIONS, EXCEPT AS NOTED ON THE PLANS.
4. LOCATION OF UTILITY LINES INCLUDING EXPLORATORY TRENCHING AND EXPOSING OF GAS LINES WHEN BORING.
5. DESIGN, MATERIALS, INSTALLATION AND REMOVAL OF SAFETY BARRIER FOR SHIELDING EQUIPMENT OR MATERIAL.
6. APPRISING PUBLIC THROUGH THE LOCAL NEWS MEDIA.
7. HAULING OF MATERIAL TO BE DISPOSED TO CITY LANDFILL.
8. REMOVAL, SALVAGE, AND TRANSPORTATION OF EXISTING SIGNAL AND LIGHTING EQUIPMENT TO THE TRAFFIC ENGINEERING OPERATIONS YARD.
9. LEAN FILL FOR CONDUIT TRENCHES.
10. PULL BOX ADJUSTMENTS TO GRADE.
11. OFF-DUTY POLICE OFFICER FOR TRAFFIC CONTROL.
12. REMOVAL AND REPLACEMENT IN KIND OR BETTER OF LANDSCAPING INCLUDING SPRINKLERS, FOR INSTALLATION OF PULL BOXES, CONDUITS, AND SIGNAL AND LIGHTING FOUNDATIONS.
13. REMOVAL AND RESETTING OF EXISTING PEDESTRIAN SIGNALS AND PUSH BUTTONS AS SHOWN IN THE PLANS.

* ITEMS LISTED ARE ONLY A GENERAL DESCRIPTION OF THE REQUIRED WORK AND MATERIALS, AND MAY NOT BE COMPLETE. THIS LIST DOES NOT INCLUDE ANY INCIDENTAL WORK OR MATERIALS REQUIRED BY THE SPECIAL PROVISIONS SERIALS (STANDARD DETAILS). SUPPLEMENTAL SPECIFICATIONS, OR THE STANDARD SPECIFICATIONS.

TRAFFIC SIGNAL LEGEND

NEW	EXISTING	ITEM
■	□	PULL BOX
●	○	SERVICE POLE
M	M	METER PEDESTAL
C	C	CONTROLLER CABINET
— — — —	— — — —	CONDUIT RUN (SIGNALS)
—·—·—·—	—·—·—·—	CONDUIT RUN (INTERCONNECT)
◄●	◄○	TRAFFIC SIGNAL PEDESTAL POLE
X	X	CONDUIT RUN NUMBER (SIGNAL)
SX	SX	CONDUIT RUN NUMBER (POWER SERVICE)
CX	CX	CONDUIT RUN NUMBER (INTERCONNECT)
FX	FX	CONDUIT RUN NUMBER (WARNING BEACON)
		TYPE II STANDARD WITH MASTARM, TRAFFIC SIGNAL, BACKPLATE, AND OPTICAL DETECTOR
		TYPE III STANDARD WITH MASTARM, TRAFFIC SIGNAL, BACKPLATE, OPTICAL DETECTOR, LUMINAIRE, AND VIDEO CAMERA
		PEDESTRIAN PUSH BUTTON (MOUNTED TO SIDE OF POLE WHERE INDICATED)
		PEDESTRIAN SIGNALS (MOUNTED TO SIDE OF POLE WHERE INDICATE)
SC	SC	SPLICE CABINET
●	⊘	TRAFFIC MANHOLE
		VIDEO CAMERA

DEFINITIONS

"ENGINEER" – FOR THE PURPOSES OF THIS PROJECT, THE TERM "ENGINEER" IS SYNONYMOUS WITH THE TERM "PROJECT MANAGER."

KEYED NOTES:

GENERAL NOTES

RECORD DRAWING

PB Parsons and Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER DATE
WORK STAKED BY SNIDER-MILLER 3/08 DATE
INSPECTIONS FIELD CHANGES BY BCPWD 3/09 DATE
VERIFICATION BY BCPWD 3/09 DATE
FINAL MARKUPS CORRECTED BY P.B. 2/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", spoiled to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES BY DATE
NO.

ENGINEER'S SEAL
KAREN ASPELIN NEW MEXICO (13293) REGISTERED PROFESSIONAL ENGINEER 8-6-07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY KA	DATE 8/1/07
		DRAWN BY KA	DATE 8/1/07
		CHECKED BY NA	DATE 8/1/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
SIGNAL NOTES AND LEGEND

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

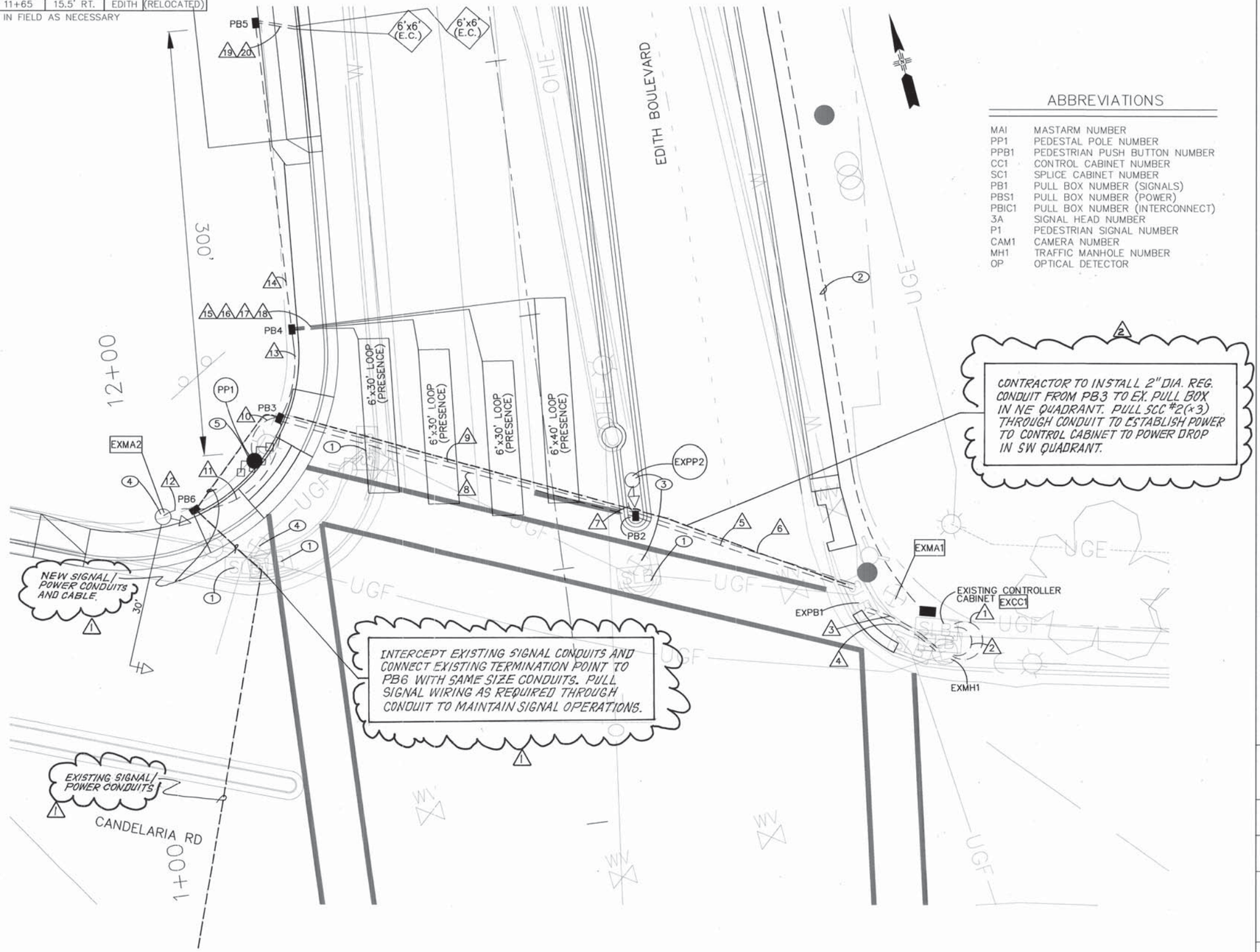
City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	9-1

G:\33588_Edith\04 Engineering\Plans\Section 9\9SG.dwg 8/4/2007 10:53:07 AM MDT

FOUNDATION STA/OFFSET DATA *

ID	STATION	OFFSET	ALIGN.	TYPE
EXMA2	11+71	76' LT.	EDITH	(RELOCATED)
PP1	11+79	57' LT.	EDITH	TYPE I, 10'
EXPP2	11+65	15.5' RT.	EDITH	(RELOCATED)

* ADJUST IN FIELD AS NECESSARY



ABBREVIATIONS

MAI	MASTARM NUMBER
PP1	PEDESTAL POLE NUMBER
PPB1	PEDESTRIAN PUSH BUTTON NUMBER
CC1	CONTROL CABINET NUMBER
SC1	SPLICE CABINET NUMBER
PB1	PULL BOX NUMBER (SIGNALS)
PBS1	PULL BOX NUMBER (POWER)
PBIC1	PULL BOX NUMBER (INTERCONNECT)
3A	SIGNAL HEAD NUMBER
P1	PEDESTRIAN SIGNAL NUMBER
CAM1	CAMERA NUMBER
MH1	TRAFFIC MANHOLE NUMBER
OP	OPTICAL DETECTOR

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

KEYED NOTES:

1. REMOVE EXISTING PULL BOX.
2. SEE INTERCONNECT PLANS, SHEETS 9-4 THROUGH 9-8.
3. REMOVE AND RELOCATE EXISTING PEDESTAL POLE (EXPP2) ONTO NEW MEDIAN NOSE.
4. REMOVE AND RESET EXISTING MASTARM (EXMA2). RESET PED SIGNALS AND PED HEADS ON NEW PP1.
5. NEW PEDESTAL POLE WITH PED HEADS AND PUSHBUTTONS FROM EXMA2.

RECORD DRAWING

GENERAL NOTES

1. ALL DATA SHOWN HEREIN CONCERNING EXISTING SIGNAL EQUIPMENT AT THIS INTERSECTION (MASTARMS, SIGNAL HEADS, CONDUIT RUNS, ETC.) HAS BEEN OBTAINED FROM FIELD OBSERVATIONS; NO AS-BUILT SIGNAL INFORMATION WAS AVAILABLE.
2. EXISTING CONDUIT RUNS SHOWN HEREIN ARE SHOWN FOR CLARITY OF RUNS AND MAY NOT REPRESENT ACTUAL ALIGNMENT OF CONDUIT RUNS.
3. THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF ALBUQUERQUE FOR REPROGRAMMING OF THE EXISTING SIGNAL CONTROLLER LOCATED AT THE INTERSECTION OF EDITH/CANDELARIA.
4. REMOVAL AND RESETTING OF EXISTING SIGNAL HEADS, PEDESTRIAN SIGNALS, AND PUSH BUTTONS AS SHOWN IN THE PLANS SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
5. NEW PULLBOXES PB2, PB3 & PB6 SHALL BE LARGE SIZE. PB4 & PB5 SHALL BE STANDARD SIZE.

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER DATE
WORK STAKED BY SNIDER MILLER, INC. DATE
INSPECTOR'S ACCEPTANCE BY BCPWD 1/09 DATE
FIELD VERIFICATION BY BCPWD 1/09 DATE
DRAWINGS CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES BY DATE

ENGINEER'S SEAL
KAREN ASPELIN NEW MEXICO 13293 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
3	11/7/08	ADDITIONAL CONDUIT-POWER	PFS
2	1/4/08	EXTEND EXISTING CONDUIT	BY
1	DATE	REMARKS	BY

DESIGN
DESIGNED BY KA DATE 8/1/07
DRAWN BY KA DATE 8/1/07
CHECKED BY NA DATE 8/1/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
SIGNAL MODIFICATIONS – EDITH/CANDELARIA

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 9-2

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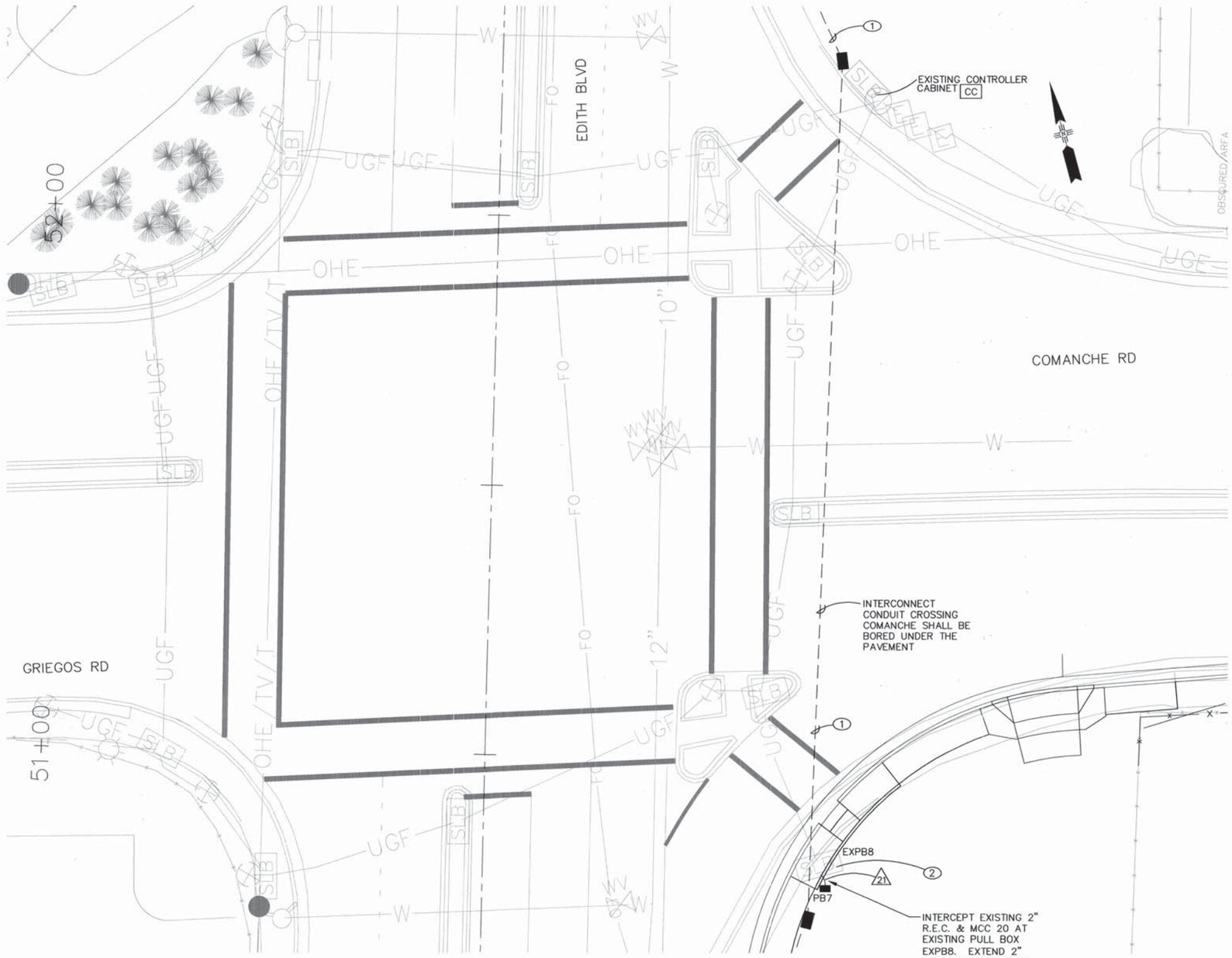

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

KEYED NOTES:

(1) SEE INTERCONNECT PLANS, SHEETS 9-4 THROUGH 9-8.

(2) REMOVE EXISTING PULL BOX.

RECORD DRAWING

GENERAL NOTES

1. ALL DATA SHOWN HEREIN CONCERNING EXISTING SIGNAL EQUIPMENT AT THIS INTERSECTION (MASTARMS, SIGNAL HEADS, CONDUIT RUNS, ETC.) HAS BEEN OBTAINED FROM "AS-BUILT" DRAWINGS AND FROM FIELD OBSERVATIONS.
2. EXISTING CONDUIT RUNS SHOWN HEREIN ARE SHOWN FOR CLARITY OF RUNS AND MAY NOT REPRESENT ACTUAL ALIGNMENT OF CONDUIT RUNS.
3. THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF ALBUQUERQUE FOR REPROGRAMMING OF THE EXISTING VIDEO DETECTION AREAS AT THE EDITH/COMANCHE-GRIEGOS INTERSECTION. THIS WORK SHALL BE PAID FOR UNDER ITEM NO. 7138**, MODIFICATIONS TO VIDEO DETECTION AREA, L.S.
4. NEW PULLBOX PB7 SHALL BE STANDARD SIZE.

PB Parsons Brinckerhoff

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER

WORK STAKED BY SOUDER MILLER 1/08 DATE

INSPECTIONS PERFORMANCE BY BCPWD 1/09 DATE

FIELD VERIFICATION BY BCPWD 1/09 DATE

AS BUILTED BY P.B. 5/09 DATE

CORRECTED BY MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

KAREN ASPELIN NEW MEXICO 13293 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY KA	DATE 8/1/07
		DRAWN BY KA	DATE 8/1/07
		CHECKED BY NA	DATE 8/1/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

SIGNAL MODIFICATIONS - EDITH/GRIEGOS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	9-3

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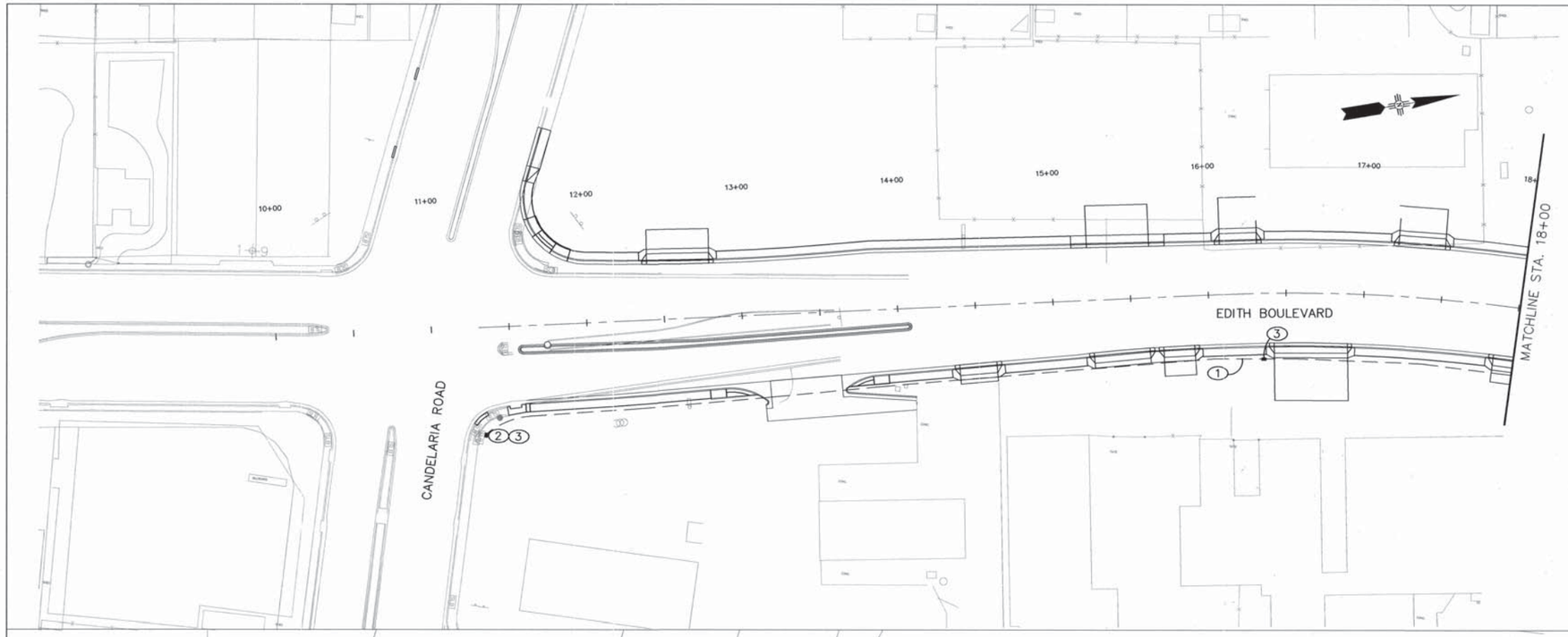
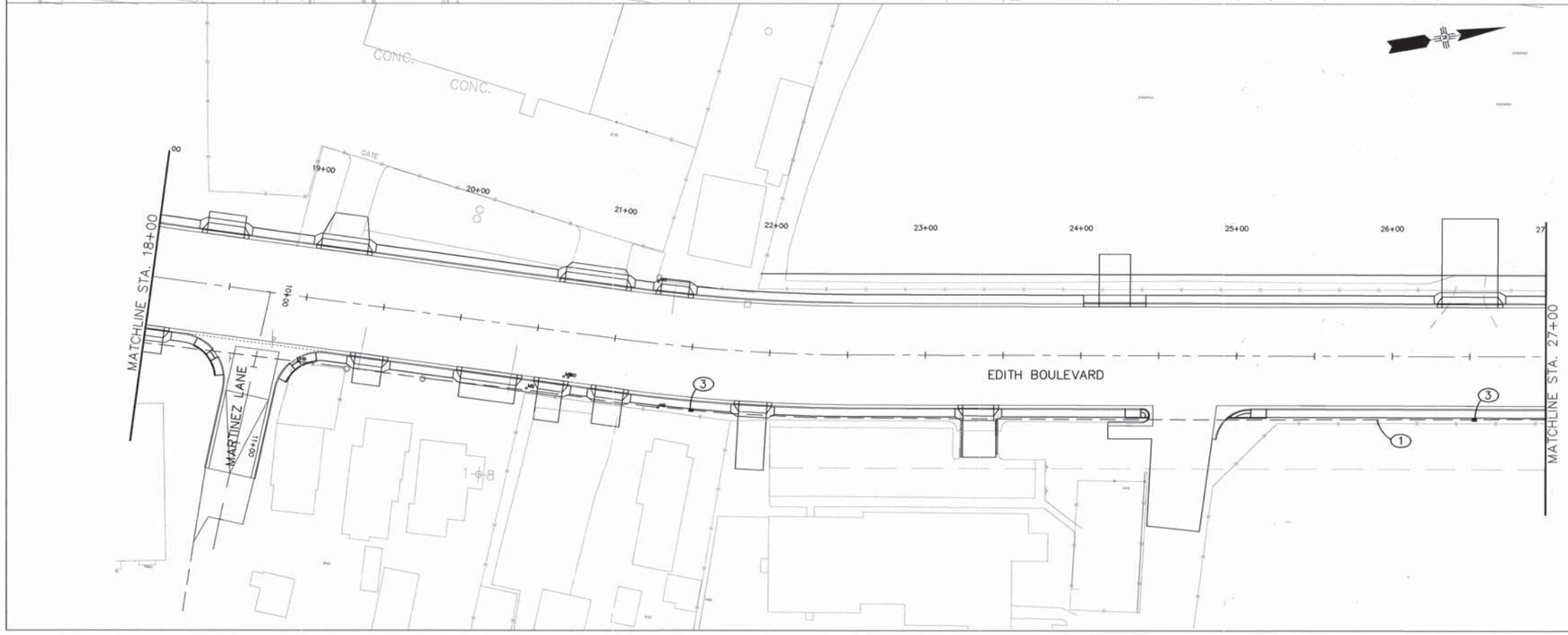




GRAPHIC SCALE

40 0 20 40 80

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

1. 3" R.E.C.– EMPTY WITH TRACER WIRE (INCLUDED IN COST OF R.E.C.)
2. STUB–OUT IN PULLBOX FOR FUTURE CONNECTION TO EXISTING SIGNAL CONTROLLER CABINET
3. ELECTRICAL PULL BOX (STANDARD) ~500' SPACING

GENERAL NOTES

AS BUILT INFORMATION

CONTRACTOR A.S. HARVER

WORK STAKED BY SOUDER MILLER 1/08 DATE

INSPECTOR'S FIELD ACCEPTANCE BY BCPWD 1/09 DATE

FINAL VERIFICATION BY BCPWD 1/09 DATE

CORRECTED BY P.B. 5/09 DATE

MICRO–FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.

NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

KAREN ASPELIN
NEW MEXICO
13293
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

DESIGN		
DESIGNED BY	KA	DATE 8/1/07
DRAWN BY	KA	DATE 8/1/07
CHECKED BY	NA	DATE 8/1/07

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

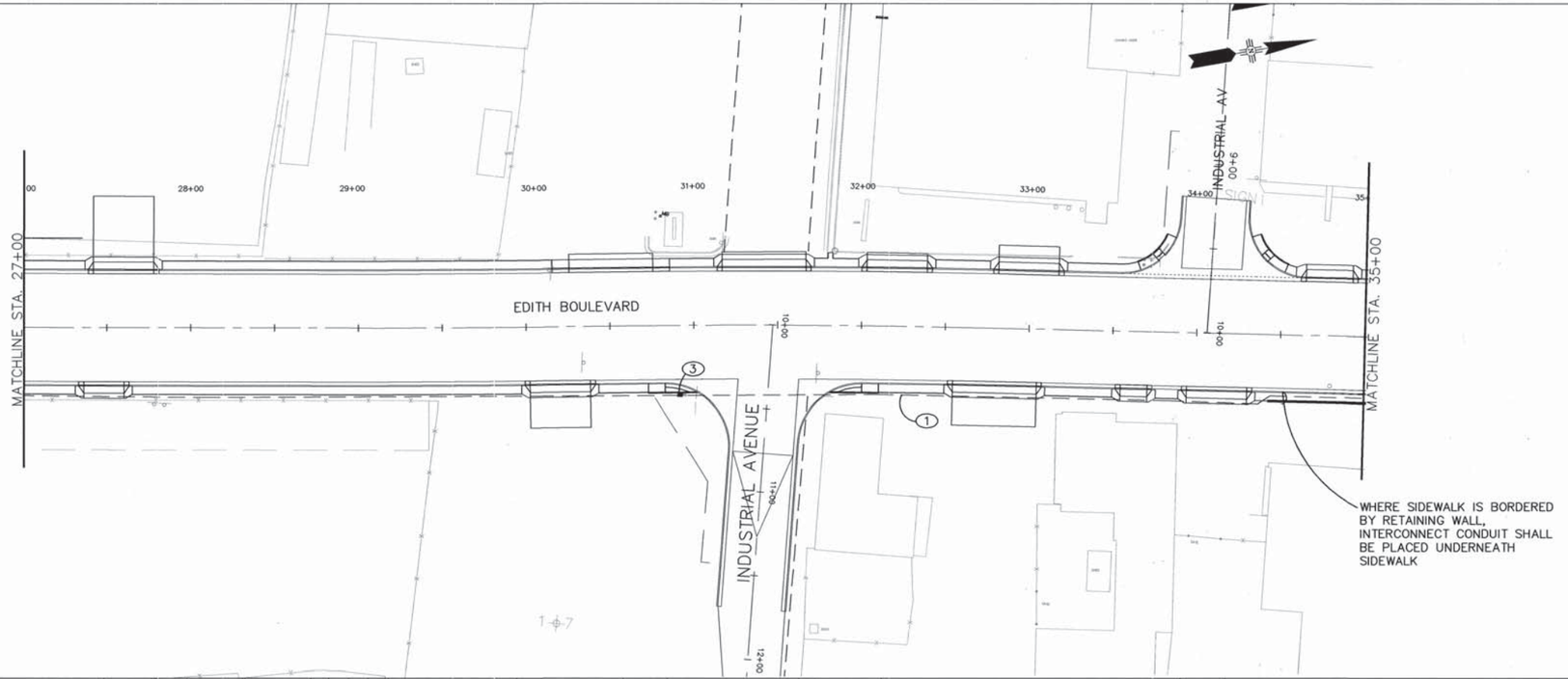
EDITH BLVD. RECONSTRUCTION

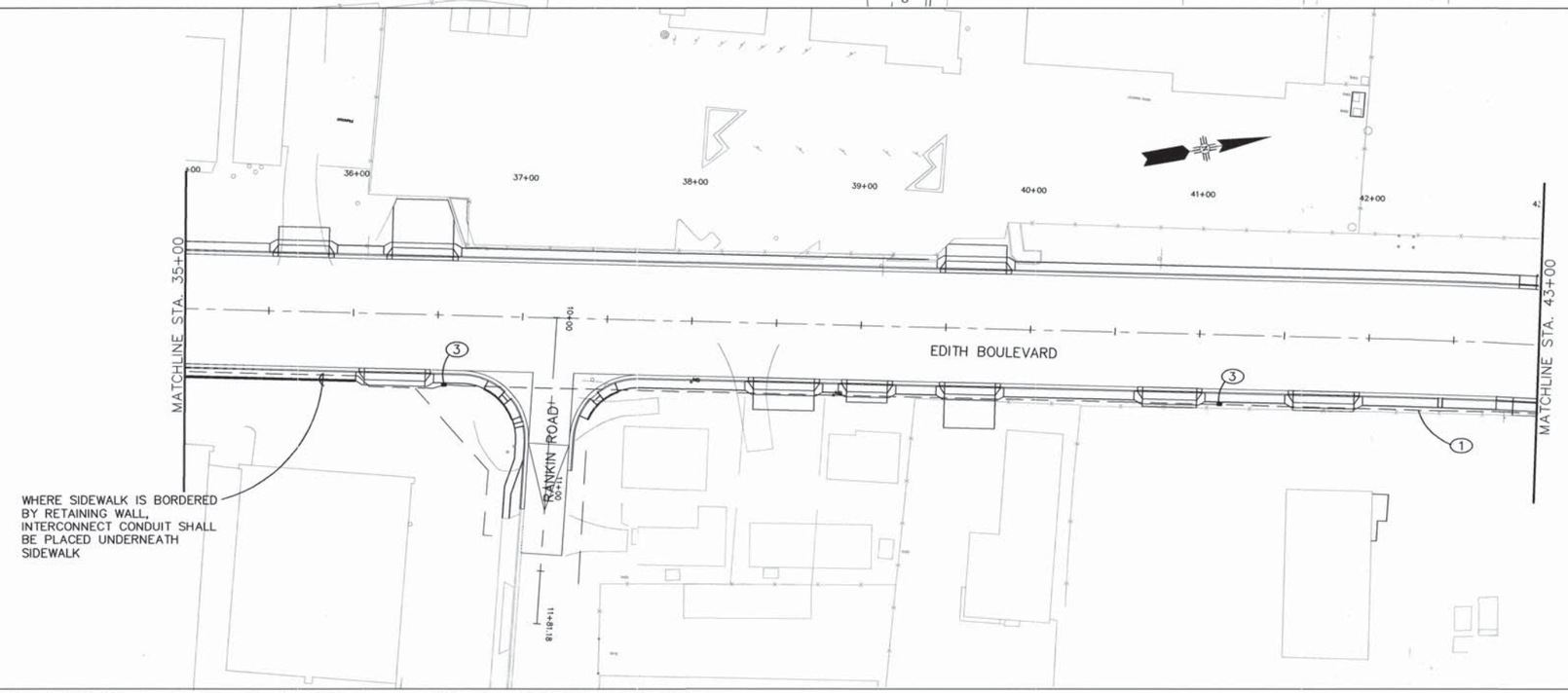
INTERCONNECT PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F–15, G–15	9–4

G:\33588_Edith\04 Engineering\Plans\Section 9\9Interconnect Plan.dwg 8/4/2007 10:55:12 AM MDT





GRAPHIC SCALE

40 0 20 40 80

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

1. 3" R.E.C.– EMPTY WITH TRACER WIRE (INCLUDED IN COST OF R.E.C.)
2. STUB–OUT IN PULLBOX FOR FUTURE CONNECTION TO EXISTING SIGNAL CONTROLLER CABINET
3. ELECTRICAL PULL BOX (STANDARD) ~500' SPACING

GENERAL NOTES

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNIDER MILLER 1/08 DATE
INSPECTION & MAINTENANCE BY BCPWD 1/09 DATE
FIELD VERIFICATION BY BCPWD 1/09 DATE
DRAWINGS CORRECTED BY P.B. 5/09 DATE
MICRO–FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
KAREN ASPELIN NEW MEXICO 13293 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	KA	DATE 8/1/07
DRAWN BY	KA	DATE 8/1/07
CHECKED BY	NA	DATE 8/1/07

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
INTERCONNECT PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F–15, G–15	9–5

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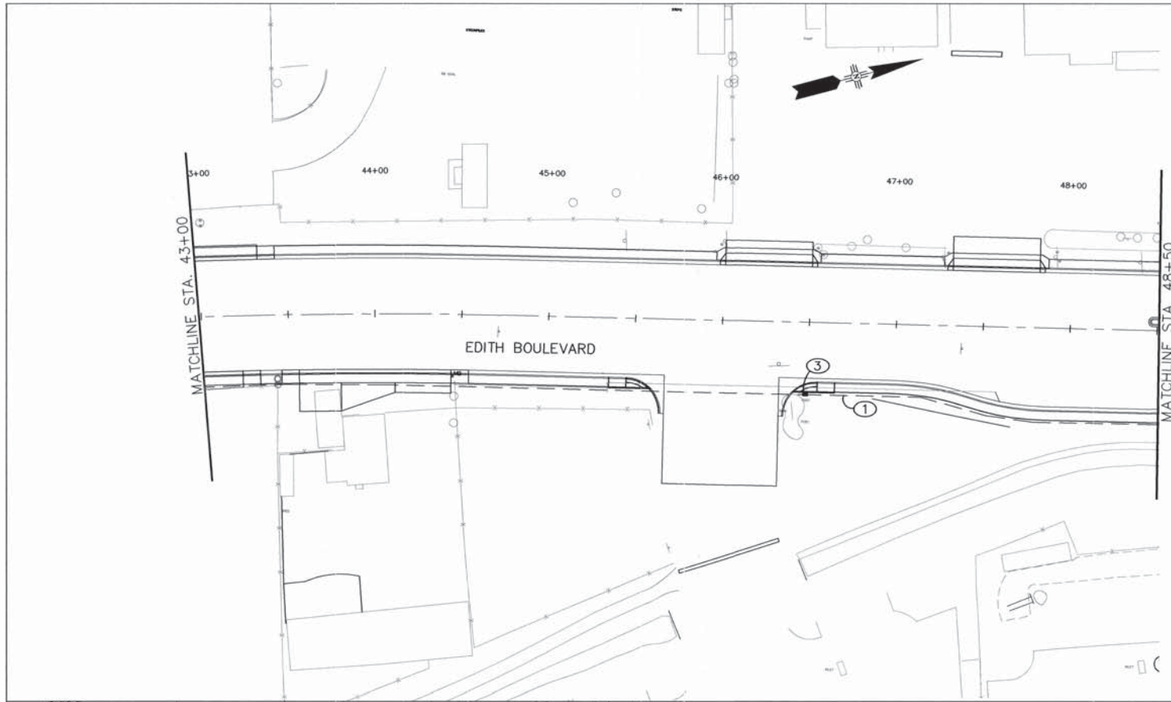

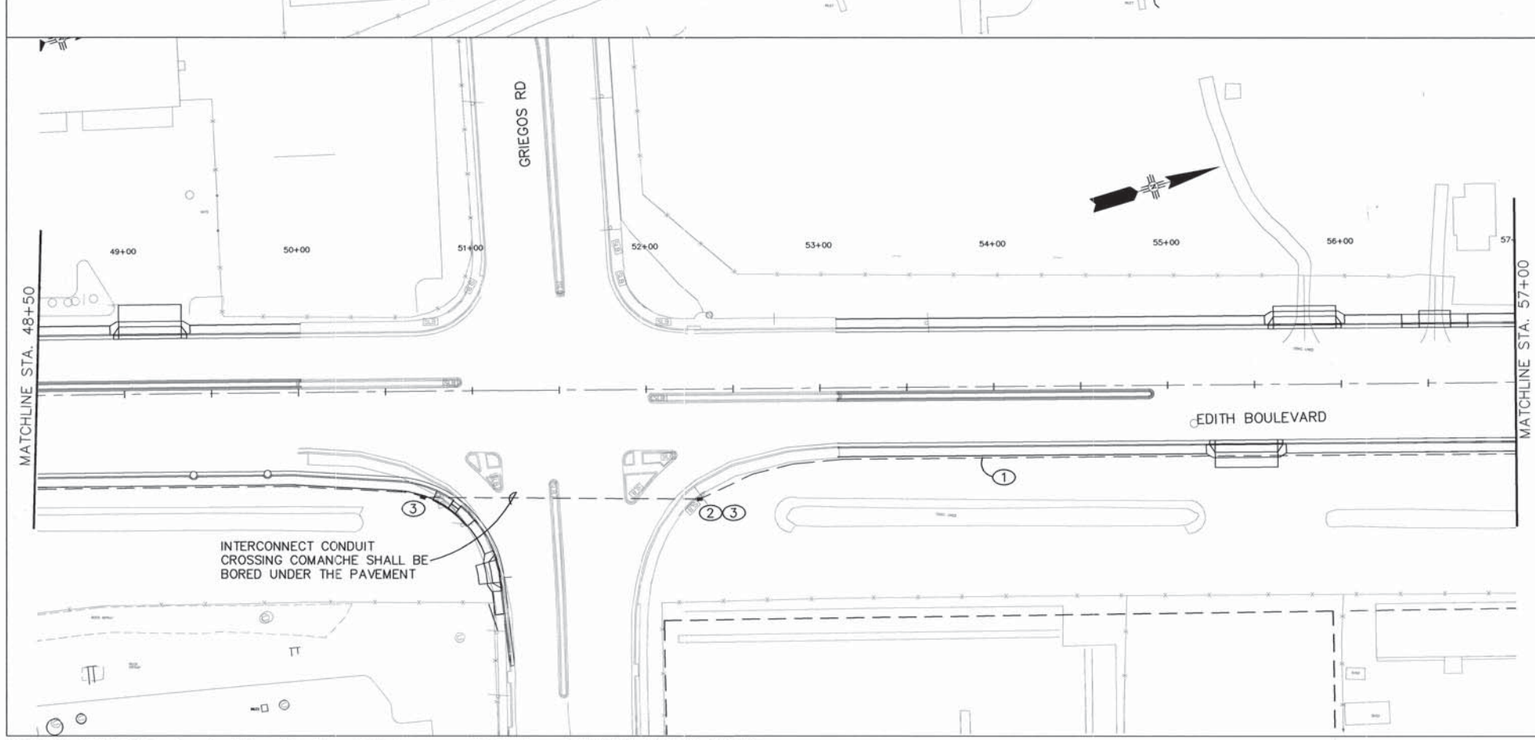

GRAPHIC SCALE

40 0 20 40 80

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

1. 3" R.E.C.– EMPTY WITH TRACER WIRE (INCLUDED IN COST OF R.E.C.)
2. STUB–OUT IN PULLBOX FOR FUTURE CONNECTION TO EXISTING SIGNAL CONTROLLER CABINET
3. ELECTRICAL PULL BOX (STANDARD) ~500' SPACING

GENERAL NOTES

AS BUILT INFORMATION

CONTRACTOR A.S. HARNER

WORK STAKED BY	SNIDER MILLER	1/08 DATE
INSPECTOR'S FIELD NOTES BY	BCPWD	1/09 DATE
VERIFICATION BY	BCPWD	1/09 DATE
DRAWINGS CORRECTED BY	P.B.	5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

KAREN ASPELIN NEW MEXICO 13293 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY KA	DATE 8/1/07
		DRAWN BY KA	DATE 8/1/07
		CHECKED BY NA	DATE 8/1/07

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

INTERCONNECT PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F–15, G–15	9–6

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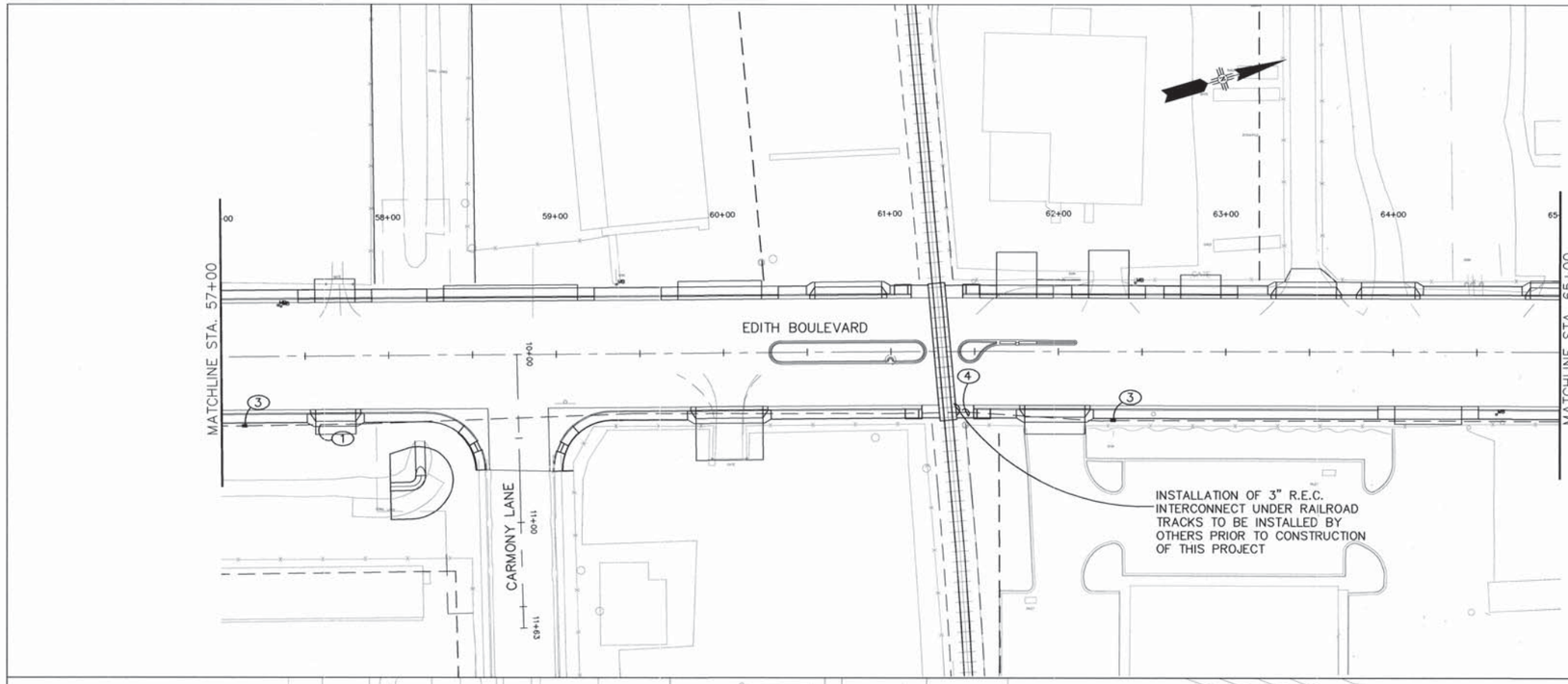

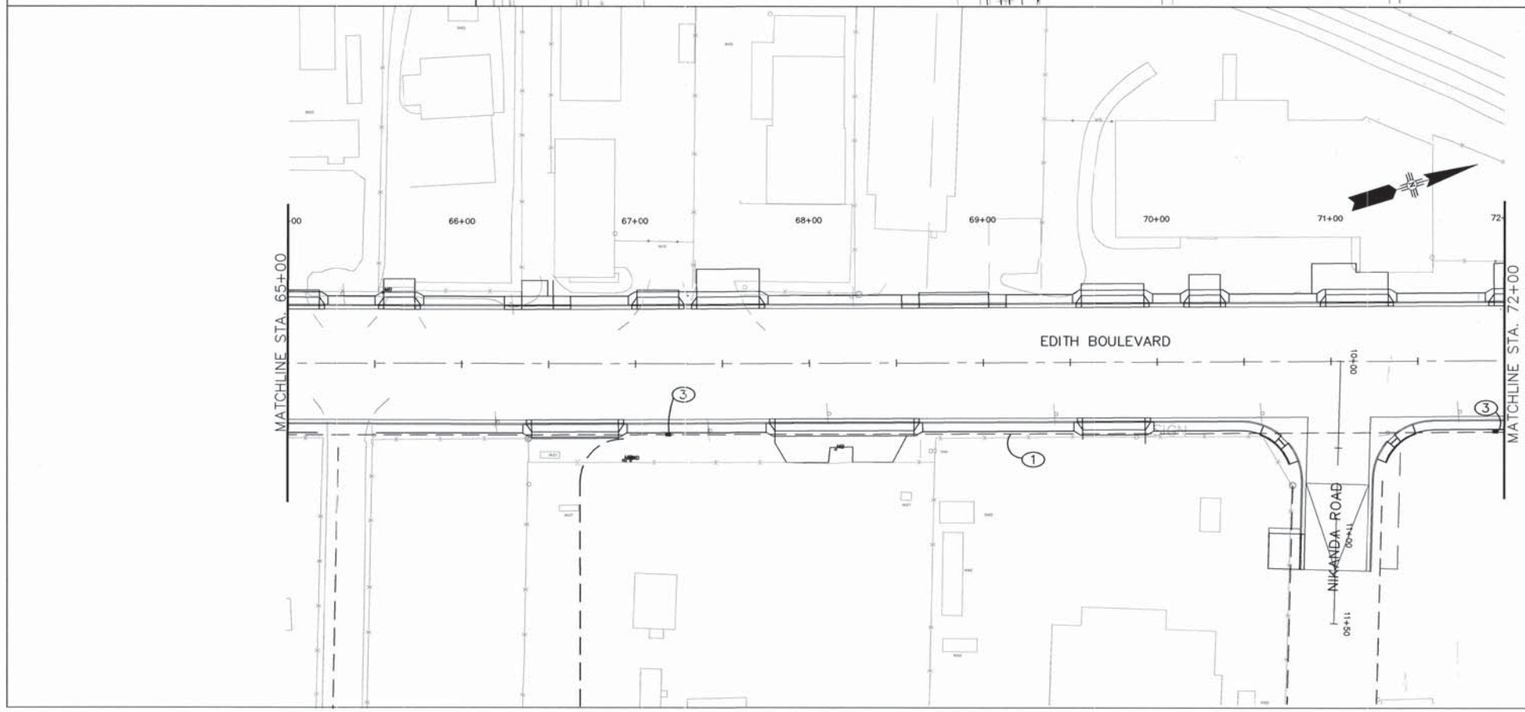

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

1. 3" R.E.C.– EMPTY WITH TRACER WIRE (INCLUDED IN COST OF R.E.C.)
2. STUB–OUT IN PULLBOX FOR FUTURE CONNECTION TO EXISTING SIGNAL CONTROLLER CABINET
3. ELECTRICAL PULL BOX (STANDARD) ~500' SPACING
4. EX. 3" R.E.C. UNDER RAILROAD TRACKS (BY OTHERS)

GENERAL NOTES

AS BUILT INFORMATION
CONTRACTOR A.S. HARVEER
WORK STAKED BY SNIDER MILLER 7/08 DATE
INSPECTION & FIELD STAKING BY BCPWD 1/09 DATE
FIELD STAKING BY BCPWD 3/09 DATE
VERIFICATION BY BCPWD 4/09 DATE
PLANS CORRECTED BY P.B. 5/09 DATE
MICRO–FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
KAREN ASPELIN NEW MEXICO 13293 REGISTERED PROFESSIONAL ENGINEER 8-7-07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY KA	DATE 8/1/07
		DRAWN BY KA	DATE 8/1/07
		CHECKED BY NA	DATE 8/1/07

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
INTERCONNECT PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F–15, G–15	9–7

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GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

KEYED NOTES:

1. 3" R.E.C.– EMPTY WITH TRACER WIRE (INCLUDED IN COST OF R.E.C.)
2. STUB–OUT IN PULLBOX FOR FUTURE CONNECTION TO EXISTING SIGNAL CONTROLLER CABINET
3. ELECTRICAL PULL BOX (STANDARD) ~500' SPACING

GENERAL NOTES

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

INTERCONNECT PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F–15, G–15	9–8

AS BUILT INFORMATION
CONTRACTOR AS. HORNER
WORK STAKED BY SNYDER MILLER 1/08 DATE
INSPECTIONS AND FIELD CHANGES BY BCDWD 1/09 DATE
FIELD VERIFICATION BY BCDWD 1/09 DATE
DRAWINGS CORRECTED BY P.B. 5/09 DATE
MICRO–FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
KAREN ASPELIN NEW MEXICO 13293 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	KA	DATE 8/1/07
DRAWN BY	KA	DATE 8/1/07
CHECKED BY	NA	DATE 8/1/07

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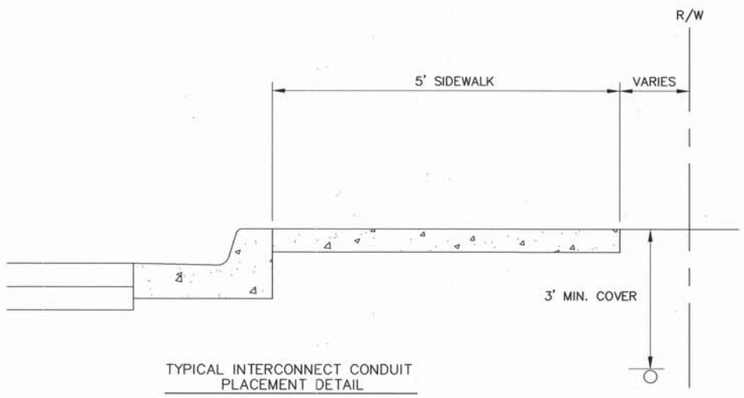
CONDUIT AND CONDUCTOR REQUIREMENTS

RUN ID	CONDUIT LENGTH, SIZE AND TYPE SIZE/LENGTH 2"	3"	TYPE	REMARKS	CONDUIT FILL BY CONTRACTOR LENGTH AND TYPE MCC 5 (# @ FT)	MCC 7 (# @ FT)	MCC 20 (# @ FT)	SCC #6 (# @ FT)	LOOP LEAD-IN (# @ FT)
1	EXISTING		REC	EXCC1 TO EXMH1					6 @ 15'
2		EXISTING	REC	EXCC1 TO EXMH1	1 @ 15'		2 @ 15'	1 @ 15'	
3	25		REC	EXMH1 TO EXPB1					6 @ 30'
4		25	REC	EXMH1 TO EXPB1	1 @ 30'		2 @ 30'	1 @ 30'	
5	55		REC	EXPB1 TO PB2					6 @ 60'
6		55	REC	EXPB1 TO PB2	1 @ 60'		2 @ 60'	1 @ 60'	
7		10	REC	PB2 TO EXPP2			2 @ 15'	1 @ 15'	
8	65		REC	PB2 TO PB3					6 @ 70'
9		65	REC	PB2 TO PB3	1 @ 70'		2 @ 70'	1 @ 70'	
10		15	REC	PB3 TO PP1	1 @ 20'		2 @ 20'	1 @ 20'	
11		30	REC	PB3 TO PB6			2 @ 35'	1 @ 35'	
12		10	REC	PB6 TO EXMA2			2 @ 15'	1 @ 15'	
13	25		REC	PB3 TO PB4					6 @ 30'
14	275		REC	PB4 TO PB5					2 @ 280'
15	10		REC	PB4 TO CURB					1 @ 15'
16	10		REC	PB4 TO CURB					1 @ 15'
17	10		REC	PB4 TO CURB					1 @ 15'
18	10		REC	PB4 TO CURB					1 @ 15'
19	10		REC	PB5 TO CURB					1 @ 15'
20	10		REC	PB5 TO CURB					1 @ 15'
21	10		REC	EXPB8 TO PB7			1 @ 15'		
PP1				BASE TO PED HEAD 1	1 @ 10'				
PP1				BASE TO PED HEAD 2	1 @ 10'				
PP1				BASE TO PPB1	1 @ 5'				
PP1				BASE TO PPB2	1 @ 5'				
TOTAL	515	210			225	0	535	260	1880



TYPICAL INTERCONNECT CONDUIT PLACEMENT DETAIL

KEYED NOTES:

GENERAL NOTES

SIGNAL QUANTITIES

ITEM NO.	DESCRIPTION	UNITS	SIGNALS	INTERCONNECT	TOTAL	USE
511000	STRUCTURAL CONCRETE, CLASS A	CU. YD.	5	0	5	5
540060	REINFORCING BARS, GRADE 60	LBS.	117	0	117	120
707010	TYPE I STANDARD, 10'	EACH	1	0	1	1
707820	REMOVE & RESET TRAFFIC SIGNAL & MASTARM	EACH	2	0	2	2
709020	RIGID ELECTRICAL CONDUIT 2" (DIA.)	LIN. FT.	515	0	515	550
709030	RIGID ELECTRICAL CONDUIT 3" (DIA.)	LIN. FT.	210	7,500	7,710	7,800
710000	ELECTRICAL PULL BOX (STANDARD)	EACH	3	18	21	21
710010	ELECTRICAL PULL BOX (LARGE)	EACH	3	0	3	3
711005	MULTI CONDUCTOR CABLE 5	LIN. FT.	225	0	225	250
711020	MULTI CONDUCTOR CABLE 20	LIN. FT.	535	0	535	550
711106	SINGLE CONDUCTOR 6	LIN. FT.	260	0	260	300
713010	LOOP VEHICLE DETECTOR	EACH	3	0	3	3
713030	LOOP DETECTOR WIRE	LIN. FT.	400	0	400	400
713250	LOOP LEAD-IN CABLE	LIN. FT.	1,880	0	1,880	1,900
713300	DETECTOR SAW CUT	LIN. FT.	653	0	653	700
7138**	MODIFICATIONS TO VIDEO DETECTION AREA AT EDITH/GRIEGOS INTERSECTION	L.S.	L.S.	0	L.S.	L.S.

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNIDER MILLER 1/08 DATE
INSPECTOR'S FIELD NOTES BY BCPWD 1/09 DATE
FIELD CHANGES VERIFICATION BY BCPWD 1/09 DATE
DRAWING CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
KAREN ASPELIN NEW MEXICO 13283 REGISTERED PROFESSIONAL ENGINEER 8-7-07

NO.	DATE	REMARKS	DESIGN	DATE	BY
			DESIGNED BY	8/1/07	KA
			DRAWN BY	8/1/07	KA
			CHECKED BY	8/1/07	NA

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
SIGNAL CONDUIT, CABLES & QUANTITIES

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	9-9

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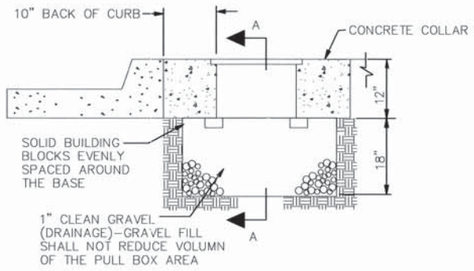
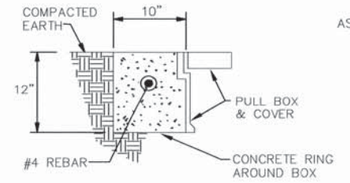
NEW MEXICO PROJECT NO.	SHEET NO.
XXXX	S-114

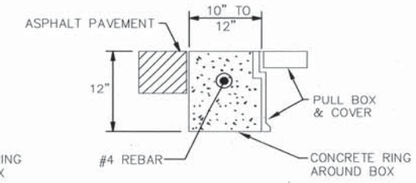


TYPICAL PULLBOX INSTALLATION

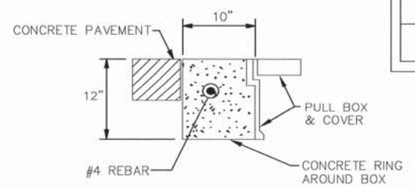
NOTE: SEE "CONCRETE COLLER DETAIL"



IN COMPACTED EARTH



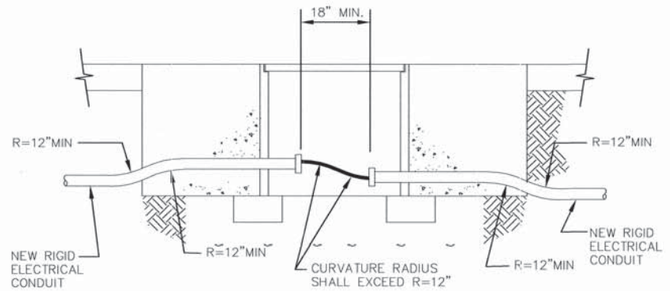
IN ASPHALT PAVEMENTS



IN CONCRETE PAVEMENTS

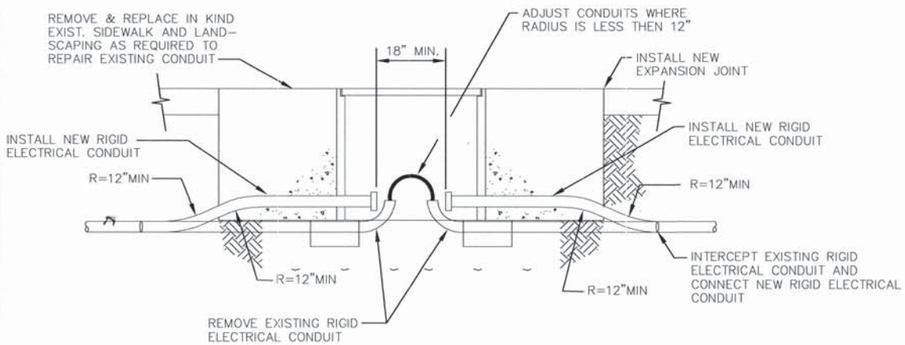
CONCRETE COLLAR DETAILS

NOTE: THE CONCRETE COLLAR FOR THE PULL BOXES WILL BE CONSIDERED INCIDENTAL TO THE PULL BOX BID ITEMS



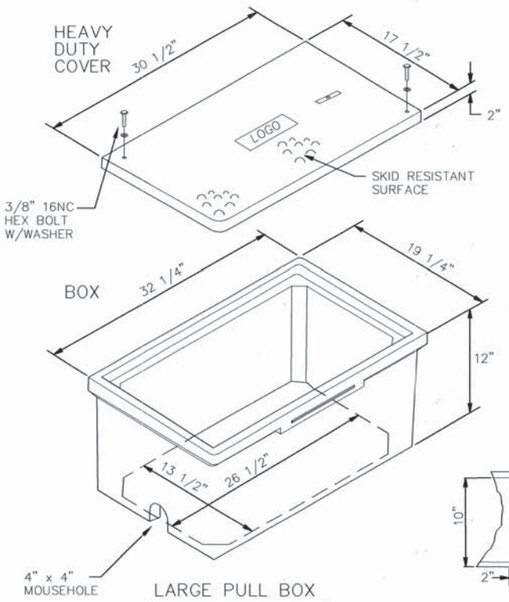
TRAFFIC SIGNAL PULL BOX (TYPICAL)

NEW CONDUIT INSTALLATION

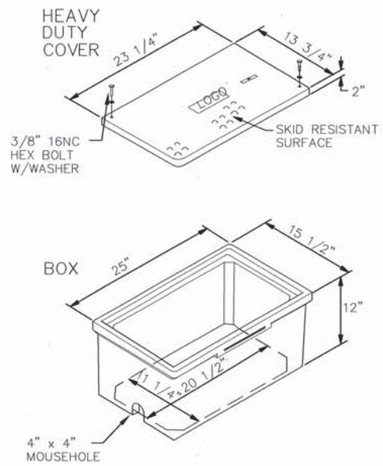


TRAFFIC SIGNAL PULL BOX (TYPICAL)

RETROFIT INSTALLATION



LARGE PULL BOX



STANDARD PULL BOX

PULL BOX DETAILS

NOTES FOR HEAVY DUTY REINFORCED POLYMER MORTAR PULL BOX AND COVERS

1. MATERIAL TO BE AN AGGREGATE CONSISTING OF SAND AND GRAVEL BOUND TOGETHER WITH A POLYMER AND REINFORCED WITH CONTINUOUS WOVEN GLASS STRANDS. THE MATERIAL MUST HAVE THE FOLLOWING MECHANICAL PROPERTIES: COMPRESSIVE STRENGTH – 11,000 PSI, TENSILE STRENGTH – 1,700 PSI, FLEXURAL STRENGTH – 7,500 PSI.
2. ALL PULL BOX COVERS SHALL BE HEAVY DUTY REINFORCED POLYMER MORTAR, HAVING A SERVICE LOAD OF 22,568 LBS. OVER 10" SQUARE (225 PSI).
3. PULL BOX TYPE AND LOGO SHALL BE APPROVED BY THE PROJECT MANAGER.
4. THE DIMENSIONS OF THE PULL BOXES SHOWN ARE NOMINAL DIMENSIONS AND MAY VARY AS TO THE MANUFACTURER'S RECOMENDATIONS. ALL DIMENSIONS SHALL BE VERIFIED BY THE PROJECT MANAGER.
5. ELECTRICAL PULL BOX (STANDARD) SHALL BE A HEAVY DUTY REINFORCED POLYMER MORTAR PULL BOX AND COVER MEASURING 13 3/4" x 23 1/4" x 2".

RECORD DRAWING

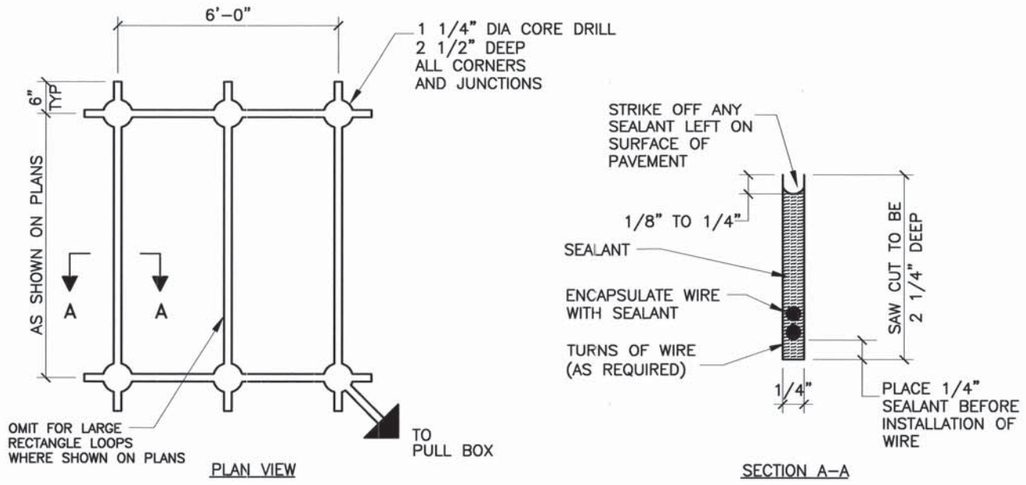
NO.	DESCRIPTION	DATE	BY
3			
2			
1			

REVISIONS (OR CHANGE NOTICES)

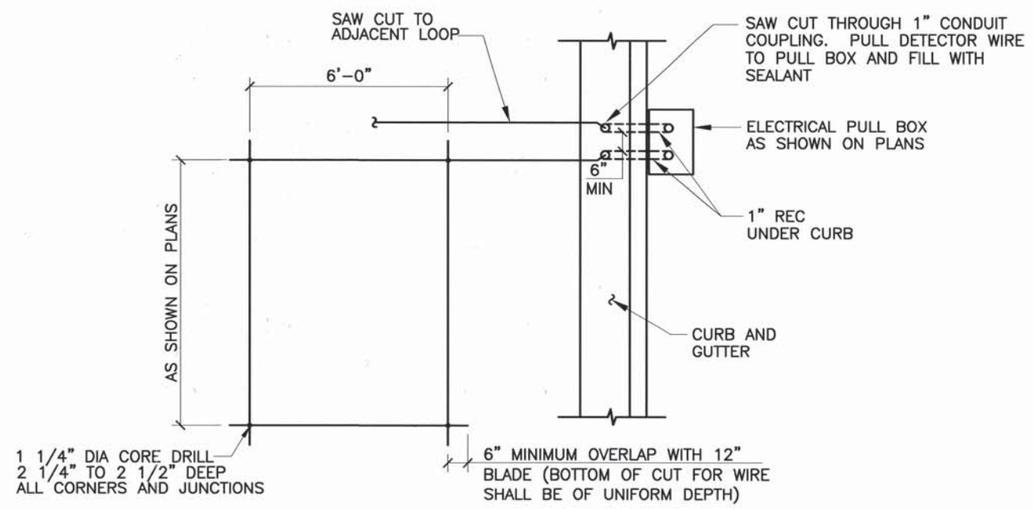
NEW MEXICO
DEPARTMENT OF TRANSPORTATION

PULL BOX DETAILS
CITY OF ALBUQUERQUE

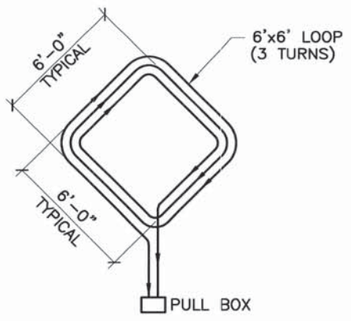
9-10



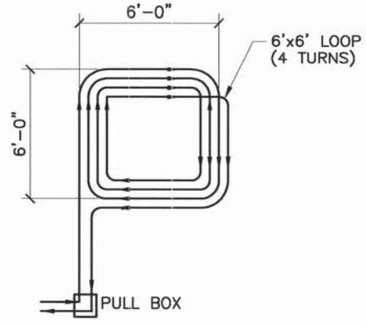
TYPICAL ROADWAY LOOP SAW CUT DETAIL



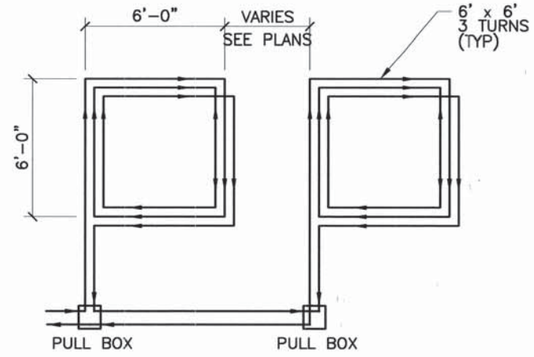
PLAN VIEW



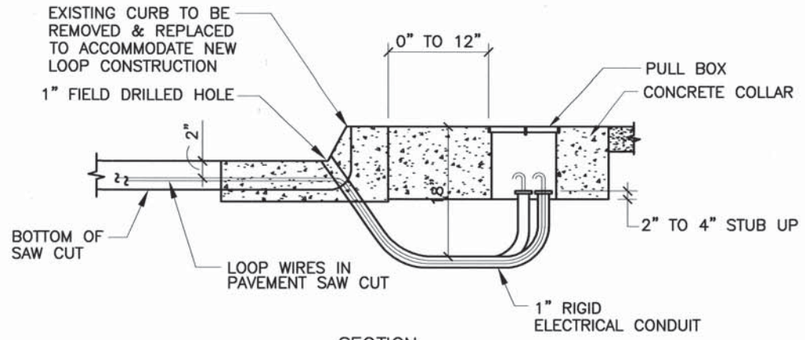
EXTEND CALL LOOP WIRING DETAIL



SYSTEM LOOP WIRING DETAIL



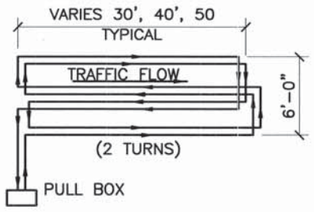
SERIES LOOP WIRING DETAIL



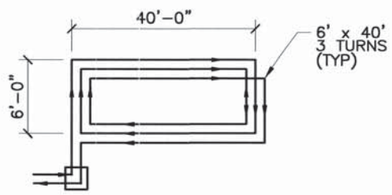
SECTION

LOOP WIRE TERMINATION DETAILS

RECORD
DRAWING



QUADRUPOLE LOOP WIRING DETAIL



LARGE RECTANGULAR LOOP WIRING DETAIL

TYPICAL LOOP WIRE PLACEMENT DETAILS

LOOP DETECTOR NOTES

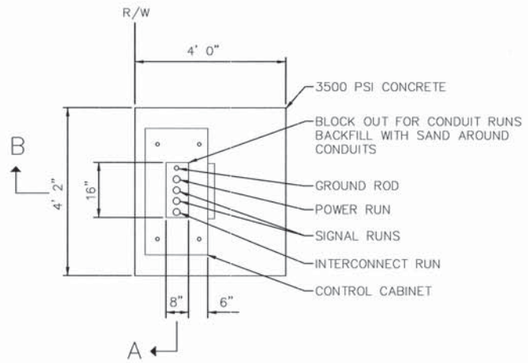
1. ALL LOOP DETECTOR WIRE SHALL BE #14 AWG STRANDED COPPER WIRE WITH CROSS-LINKED POLYETHYLENE INSULATION (INDUSTRY TYPE XHHW) CONFORMING TO THE REQUIREMENTS OF IMSA SPECIFICATIONS #51-3 1984. BACKER ROD SHALL NOT BE USED IN THE INSTALLATION OF LOOP (EXCEPT PIECES LESS THAN 12" WHICH MAY BE PLACED OVER THE WIRE AT THE SAW CUT CORNERS TO HOLD THE WIRE. A 1/4" LAYER OF SEALANT SHALL BE PLACED IN THE SAW CUT BEFORE PLACEMENT OF THE WIRE AND THEN THE WIRE SHALL BE ENCAPSULATED WITH SEALANT. HOT-MELT RUBBERIZED ASPHALT LOOP DETECTOR SEALANT MANUFACTURED BY CRAFCO SHALL BE AN ACCEPTABLE SEALANT ALTERNATE.
2. ALL LOOP LEAD IN CABLES SHALL BE TAGGED AT CABINET TO IDENTIFY. EACH CABLE BY LOOP AND PHASE NUMBER.
3. GROUND LOOP LEAD IN CABLE SHIELDING IN CONTROL CABINET.
4. SEPARATE 1" RIGID ELECTRICAL CONDUITS ARE REQUIRED FOR EACH PAIR OF DETECTOR WIRES.

NOTES

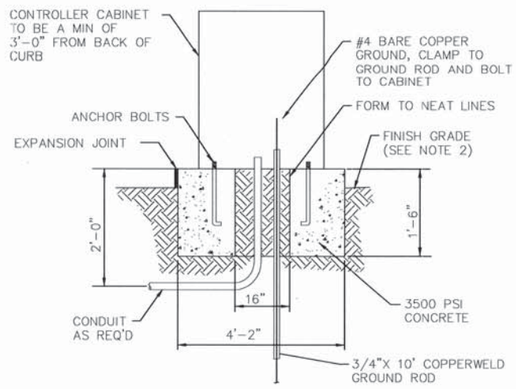
1. WIRES MUST BE WOUND IN THE DIRECTION SHOWN.
2. QUADRUPOLE LOOPS SHALL HAVE 2 TURNS.
3. EXTEND CALL LOOPS SHALL HAVE 3 TURNS.
4. SYSTEM DETECTOR LOOPS SHALL HAVE 4 TURNS.
5. LARGE RECTANGLE LOOPS SHALL HAVE 3 TURNS.

REVISIONS	CITY OF ALBUQUERQUE
	TRAFFIC TRAFFIC SIGNAL LOOP DETECTOR DETAILS
	DWG. 2552 JANUARY 2003

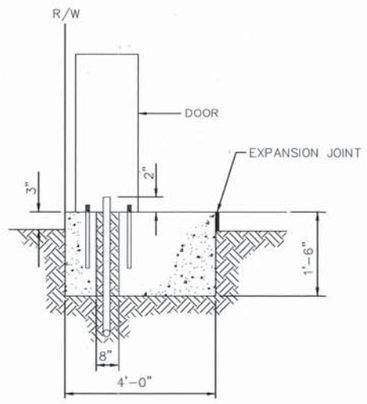
NEW MEXICO PROJECT NO.	SHEET NO.
XXXX	S-113



PLAN



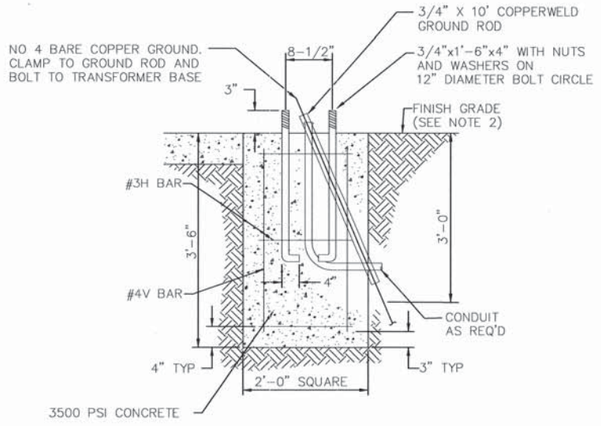
SECTION A

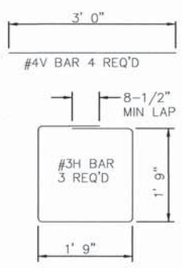


SECTION B

CONTROLLER FOUNDATION DETAIL

IN THE EVENT THE SUPPLIED CABINET WOULD OVERLAP THE SIDES OF ABOVE FOUNDATION. THE FOUNDATION SHALL BE INCREASED IN SIZE AS DIRECTED BY THE ENGINEER.



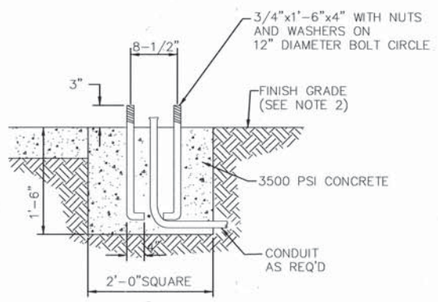


REINFORCING STEEL

PEDESTAL FOUNDATION DETAIL

ESTIMATED QUANTITIES

FOUNDATION TYPE	3500 PSI CONCRETE CU YD	REINFORCING BARS POUNDS
PEDESTAL FOUNDATION	0.52	17
CONTROLLER FOUNDATION (TYPE M & P)	0.88	--
SPLICE CABINET FOUNDATION	0.13	--



SPLICE CABINET FOUNDATION DETAIL

TRAFFIC SIGNAL FOUNDATION NOTES

1. ALL FOUNDATIONS SHALL INCLUDE COPPERWELD GROUND RODS. ALL GROUND RODS SHALL BE 3/4" Ø x 10'-0" AND WILL BE CONSIDERED INCIDENTAL TO THE FOUNDATION BID ITEMS.
2. FINISHED GRADE FOR ALL FOUNDATIONS TO BE DETERMINED IN THE FIELD BY THE PROJECT ENGINEER. FOUNDATIONS MAY BE SLOPED TO MATCH SIDEWALKS. SLOPES SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT REQUIREMENTS.

RECORD DRAWING

NO.	DESCRIPTION	DATE	BY
3			
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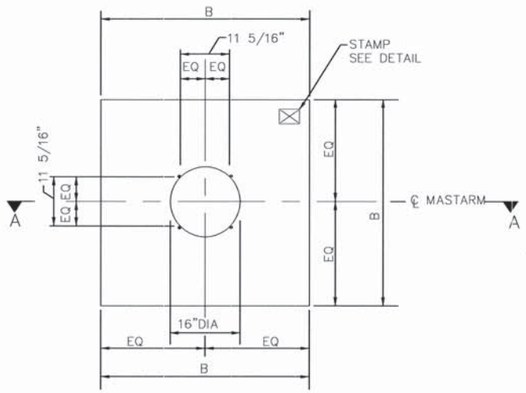
REVISIONS (OR CHANGE NOTICES)

NEW MEXICO DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CONTROL CABINET & PEDESTAL FOUNDATION DETAILS CITY OF ALBUQUERQUE

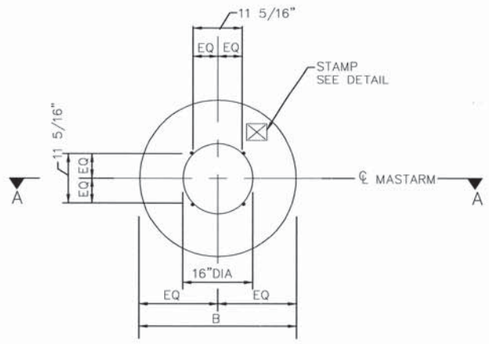
9-12

NEW MEXICO PROJECT NO.	SHEET NO.
XXXX	S-112



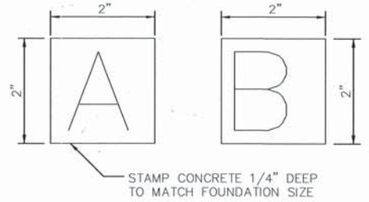
PLAN VIEW (SQUARE)

NO SCALE



PLAN VIEW (ROUND)

NO SCALE

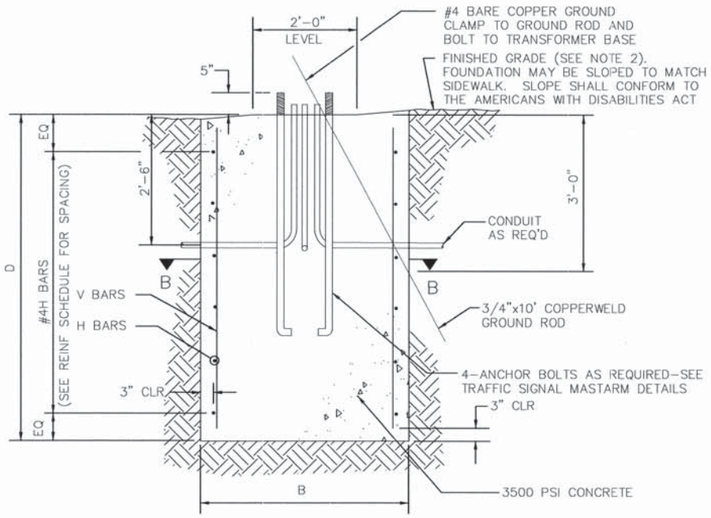


STAMP DETAIL

NO SCALE

TRAFFIC SIGNAL MASTARM FOUNDATION NOTES

1. REFER TO THE PLANS FOR LOCATIONS OF TRAFFIC SIGNAL MASTARM FOUNDATIONS.
2. FINISHED GRADE FOR THE FOUNDATIONS SHALL BE ESTABLISHED IN THE FIELD BY THE PROJECT MANAGER.
3. THE FOUNDATIONS SHOWN HERE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT REVISION.
4. CONCRETE SHALL BE 3500 PSI FOR EXTERIOR STRUCTURES. REFER TO TABLE 101.C OF THE SPECIFICATIONS.
5. REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 60.
6. THE TOP 6 INCHES OF THE FOUNDATION PEDESTAL SHALL BE FORMED TO THE DIMENSIONS SHOWN ON THIS SHEET TO FORM NEAT LINES. CONCRETE BELOW 6 INCHES MAY BE CAST AGAINST THE EARTH.
7. THE CONCRETE SHALL GAIN 80% OF THE DESIGN STRENGTH PRIOR TO INSTALLING THE TRAFFIC SIGNAL MASTARM.
8. ALL FOUNDATIONS SHALL INCLUDE COPPERWELD GROUND RODS. ALL GROUND RODS SHALL BE 3/4" DIA X 10'-0" AND WILL BE CONSIDERED INCIDENTAL TO THE FOUNDATIONS BID ITEMS.
9. ALL FOUNDATIONS SHALL BE STAMPED EITHER "A" OR "B" TO SHOW TYPE CONSTRUCTED (SEE STAMP DETAIL).



SECTION A-A (ROUND OR SQUARE)

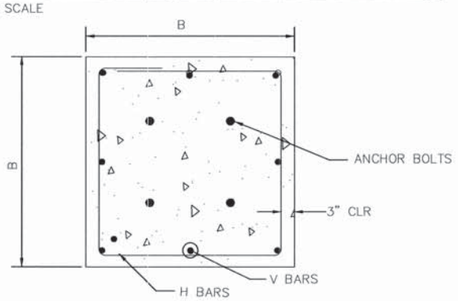
NO SCALE

FOUNDATION DIMENSIONS AND QUANTITIES

FOUNDATION TYPE	SIGNAL ARM SPAN(FT)	DIMENSION B (WIDTH)	DIMENSION D (DEPTH)	REINFORCING V BARS MARK	REINFORCING H BARS MARK	REBAR POUNDS	3500 PSI CONCRETE CUBIC YARDS	NOTES
TYPE A (SQUARE)	15 20 25	3'-6" " "	5'-0" " "	#4V2 " "	#3H2 " "	49.1 •	2.27 " "	
TYPE B (SQUARE)	30 35 40	4'-0" " "	6'-3" " "	#5V1 " "	#3H1 " "	82.6	3.70 " "	
TYPE A (ROUND)	15 20 25	2'-6" " "	8'-6" " "	#6V4 " "	#3H4 " "	98.1	1.55 " "	ROUND SHAPE TO BE USED ONLY WHERE SPECIFICALLY NOTED ON PLANS OR WHEN APPROVED BY THE PROJECT MANAGER.
TYPE B (ROUND)	30 35 40	3'-0" " "	11'-9" " "	#7V3 " "	#3H3 " "	179.7	3.08 " "	

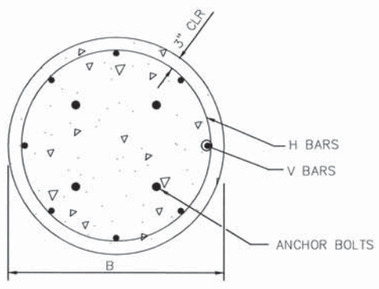
REINFORCING SCHEDULE (GRADE 60 BARS)

MARK	QUANT	TYPE	SIZE	LENGTH	COMMENTS
#5V1	8	1	5	5'-9"	
#4V2	8	1	4	4'-6"	
#7V3	6	1	7	11'-3"	
#6V4	6	1	6	8'-0"	
#3H1	6	2	3	15'-4"	A = 42",TIES AT 14" OC
#3H2	5	2	3	13'-4"	A = 36",TIES AT 12" OC
#3H3	12	3	3	9'-3"	DIA = 30",TIES AT 12" OC
#3H4	9	3	3	7'-8"	DIA = 24",TIES AT 12" OC



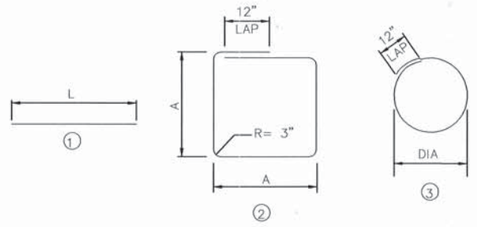
SECTION B-B (SQUARE)

NO SCALE



SECTION B-B (ROUND)

NO SCALE



BAR BENDING DIAGRAM

NO SCALE

RECORD DRAWING

NO.	DESCRIPTION	DATE	BY
3			
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1			

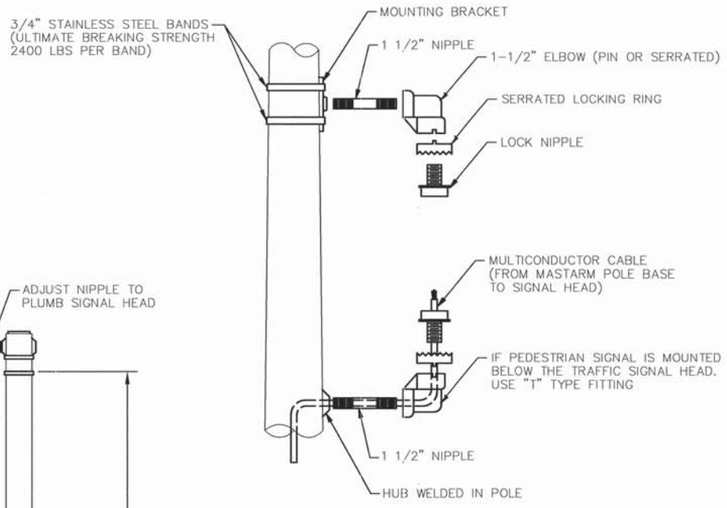
REVISIONS (OR CHANGE NOTICES)

NEW MEXICO
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL FOUNDATION
DETAILS TYPE II & TYPE III
STANDARDS
CITY OF ALBUQUERQUE

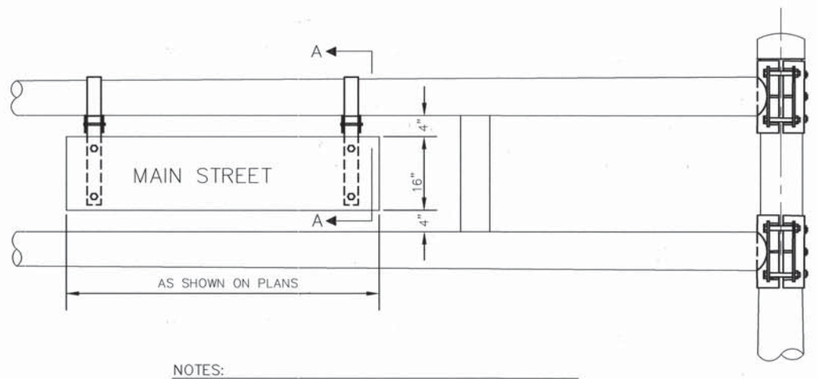
9-13

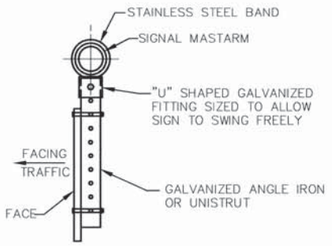
NEW MEXICO PROJECT NO.	SHEET NO.
XXXX	S-111



SIDE VIEW

MOUNTING DETAIL





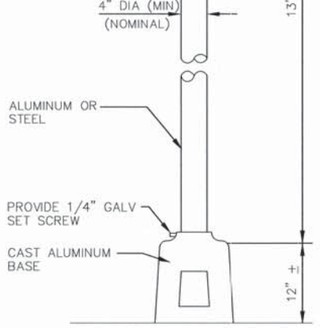
SECTION "A-A"

NOTES:

1. STREET NAME SIGNS REQUIRED AS SHOWN ON SIGN PLAN SHEETS.
2. SIGN SHALL BE 16" WIDE WITH 8" SERIES "C" LETTERS UP TO 12 SQUARE FEET TOTAL AREA AND SHALL HAVE HIGH INTENSITY REFLECTIVE LEGEND, BORDER AND BACKGROUND COLORS: WHITE ON GREEN, SIGN PANELS SHALL BE SINGLE SHEET 6061-T6 ALUMINUM .120 MINIMUM THICKNESS.

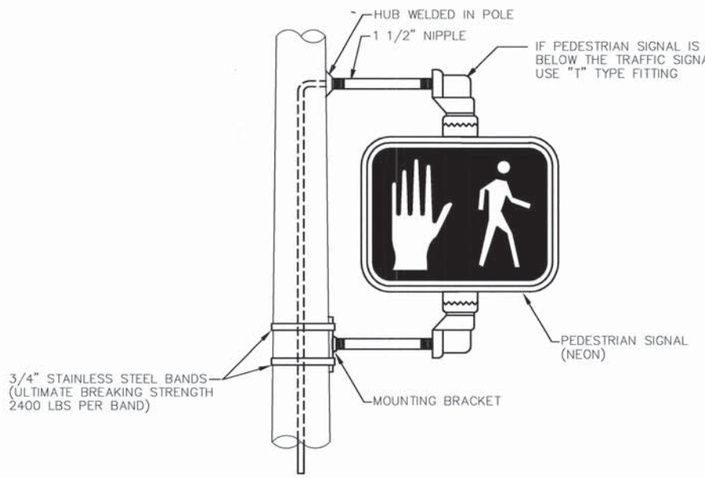
STREET NAME SIGN DETAILS

RECORD DRAWING

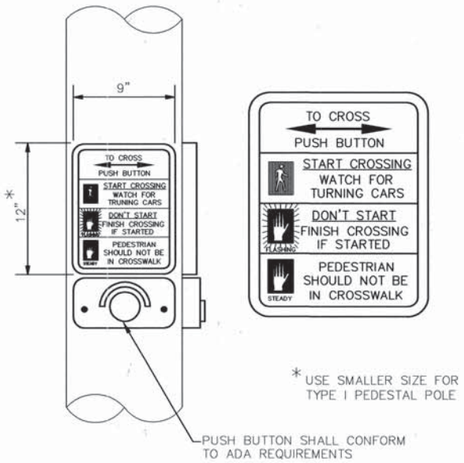


NOTE:
14' MINIMUM FROM BOTTOM OF BASE (ASSEMBLED LENGTH)

TYPE I PEDESTAL POLE DETAILS



PEDESTRIAN SIGNAL DETAILS



PEDESTRIAN PUSH BUTTON DETAIL

NOTE:

PEDESTRIAN ACTUATED CROSSING SHALL BE A MAXIMUM OF 42" ABOVE THE FINISHED PUBLIC SIDEWALK. A STABLE, FIRM, AND SLIP-RESISTANT AREA - 30"x48" - SHALL BE PROVIDED TO ALLOW FOR A FOWARD OR A PARALLEL APPROACH TO THE CONTROLS. WHERE A PARALLEL IS PROVIDED, CONTROLS SHALL BE WITHIN 10" HORIZONTALLY OF AND CENTERED ON THE CLEAR GROUND SPACE.

NO.	DESCRIPTION	DATE	BY
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2			
1			

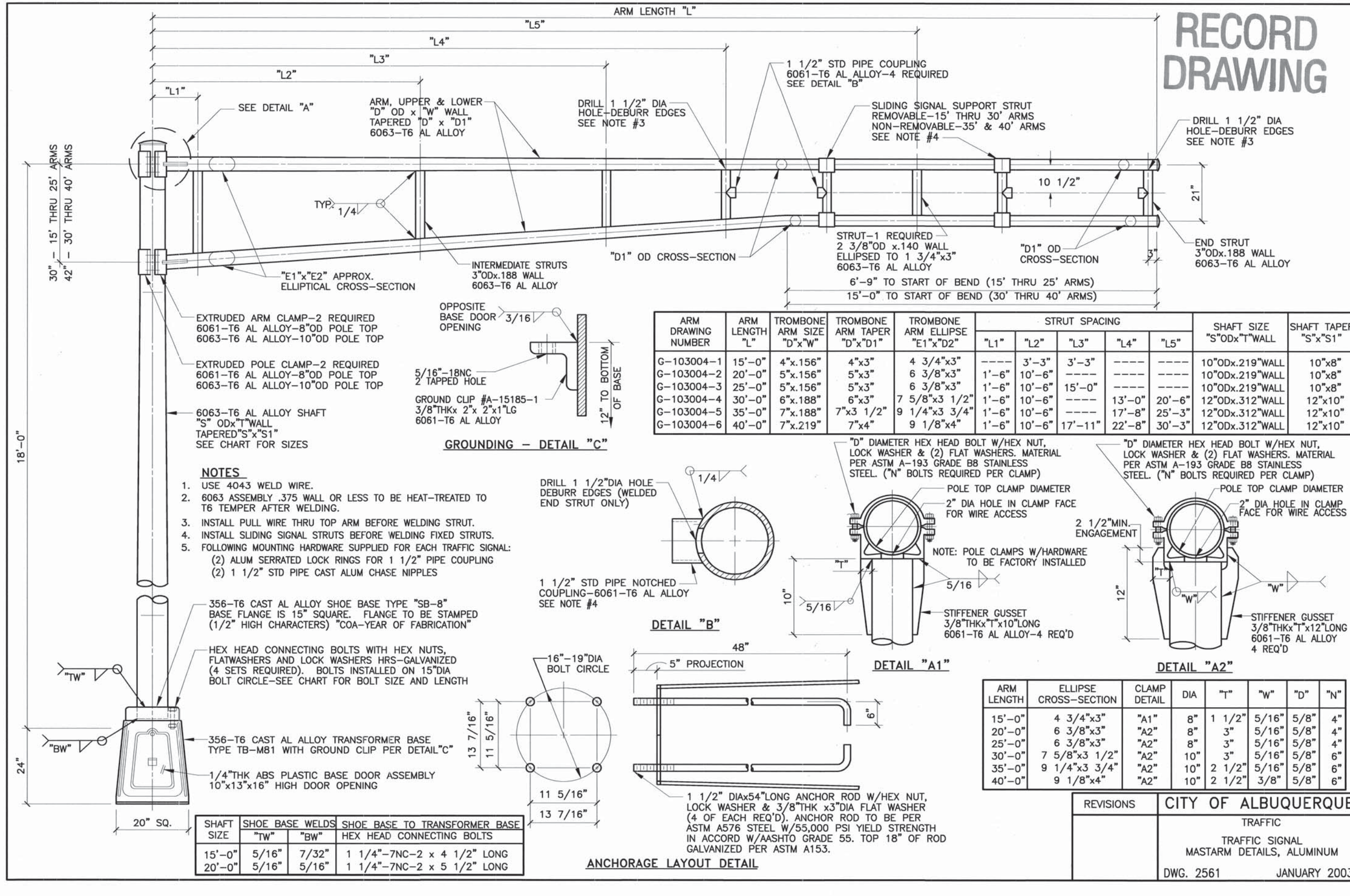
REVISIONS (OR CHANGE NOTICES)

NEW MEXICO DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS
CITY OF ALBUQUERQUE

9-14

RECORD DRAWING



ARM DRAWING NUMBER	ARM LENGTH "L"	TROMBONE ARM SIZE "D"x"W"	TROMBONE ARM TAPER "D"x"D1"	TROMBONE ARM ELLIPSE "E1"x"D2"	STRUT SPACING "L1"	"L2"	"L3"	"L4"	"L5"	SHAFT SIZE "S"ODx"T"WALL	SHAFT TAPER "S"x"S1"
G-103004-1	15'-0"	4"x.156"	4"x3"	4 3/4"x3"	----	3'-3"	3'-3"	----	----	10"ODx.219"WALL	10"x8"
G-103004-2	20'-0"	5"x.156"	5"x3"	6 3/8"x3"	1'-6"	10'-6"	----	----	----	10"ODx.219"WALL	10"x8"
G-103004-3	25'-0"	5"x.156"	5"x3"	6 3/8"x3"	1'-6"	10'-6"	15'-0"	----	----	10"ODx.219"WALL	10"x8"
G-103004-4	30'-0"	6"x.188"	6"x3"	7 5/8"x3 1/2"	1'-6"	10'-6"	----	13'-0"	20'-6"	12"ODx.312"WALL	12"x10"
G-103004-5	35'-0"	7"x.188"	7"x3 1/2"	9 1/4"x3 3/4"	1'-6"	10'-6"	----	17'-8"	25'-3"	12"ODx.312"WALL	12"x10"
G-103004-6	40'-0"	7"x.219"	7"x4"	9 1/8"x4"	1'-6"	10'-6"	17'-11"	22'-8"	30'-3"	12"ODx.312"WALL	12"x10"

NOTES

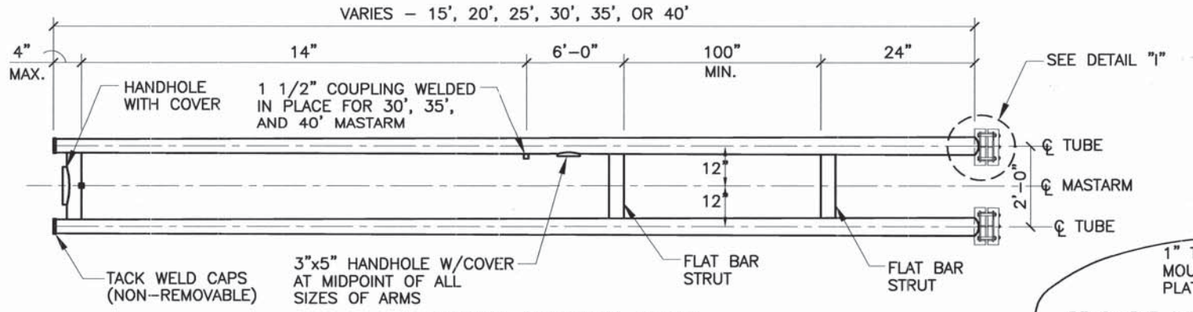
1. USE 4043 WELD WIRE.
2. 6063 ASSEMBLY .375 WALL OR LESS TO BE HEAT-TREATED TO T6 TEMPER AFTER WELDING.
3. INSTALL PULL WIRE THRU TOP ARM BEFORE WELDING STRUT.
4. INSTALL SLIDING SIGNAL STRUTS BEFORE WELDING FIXED STRUTS.
5. FOLLOWING MOUNTING HARDWARE SUPPLIED FOR EACH TRAFFIC SIGNAL:
   (2) ALUM SERRATED LOCK RINGS FOR 1 1/2" PIPE COUPLING
   (2) 1 1/2" STD PIPE CAST ALUM CHASE NIPPLES

ARM LENGTH	ELLIPSE CROSS-SECTION	CLAMP DETAIL	DIA	"T"	"W"	"D"	"N"
15'-0"	4 3/4"x3"	"A1"	8"	1 1/2"	5/16"	5/8"	4"
20'-0"	6 3/8"x3"	"A2"	8"	3"	5/16"	5/8"	4"
25'-0"	6 3/8"x3"	"A2"	8"	3"	5/16"	5/8"	4"
30'-0"	7 5/8"x3 1/2"	"A2"	10"	3"	5/16"	5/8"	6"
35'-0"	9 1/4"x3 3/4"	"A2"	10"	2 1/2"	5/16"	5/8"	6"
40'-0"	9 1/8"x4"	"A2"	10"	2 1/2"	3/8"	5/8"	6"

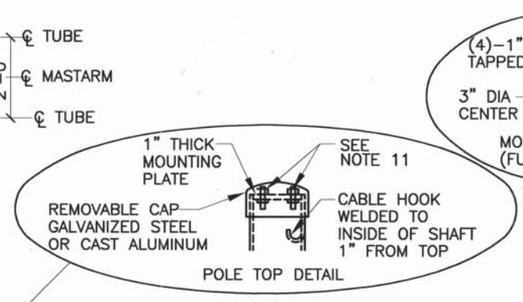
SHAFT SIZE	SHOE BASE WELDS "TW"	SHOE BASE WELDS "BW"	SHOE BASE TO TRANSFORMER BASE HEX HEAD CONNECTING BOLTS
15'-0"	5/16"	7/32"	1 1/4"-7NC-2 x 4 1/2" LONG
20'-0"	5/16"	5/16"	1 1/4"-7NC-2 x 5 1/2" LONG

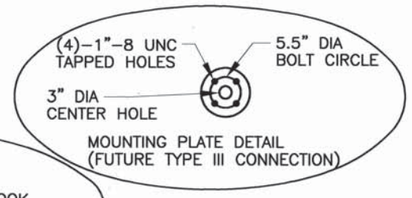
REVISIONS	CITY OF ALBUQUERQUE
	TRAFFIC
	TRAFFIC SIGNAL MASTARM DETAILS, ALUMINUM
	DWG. 2561 JANUARY 2003

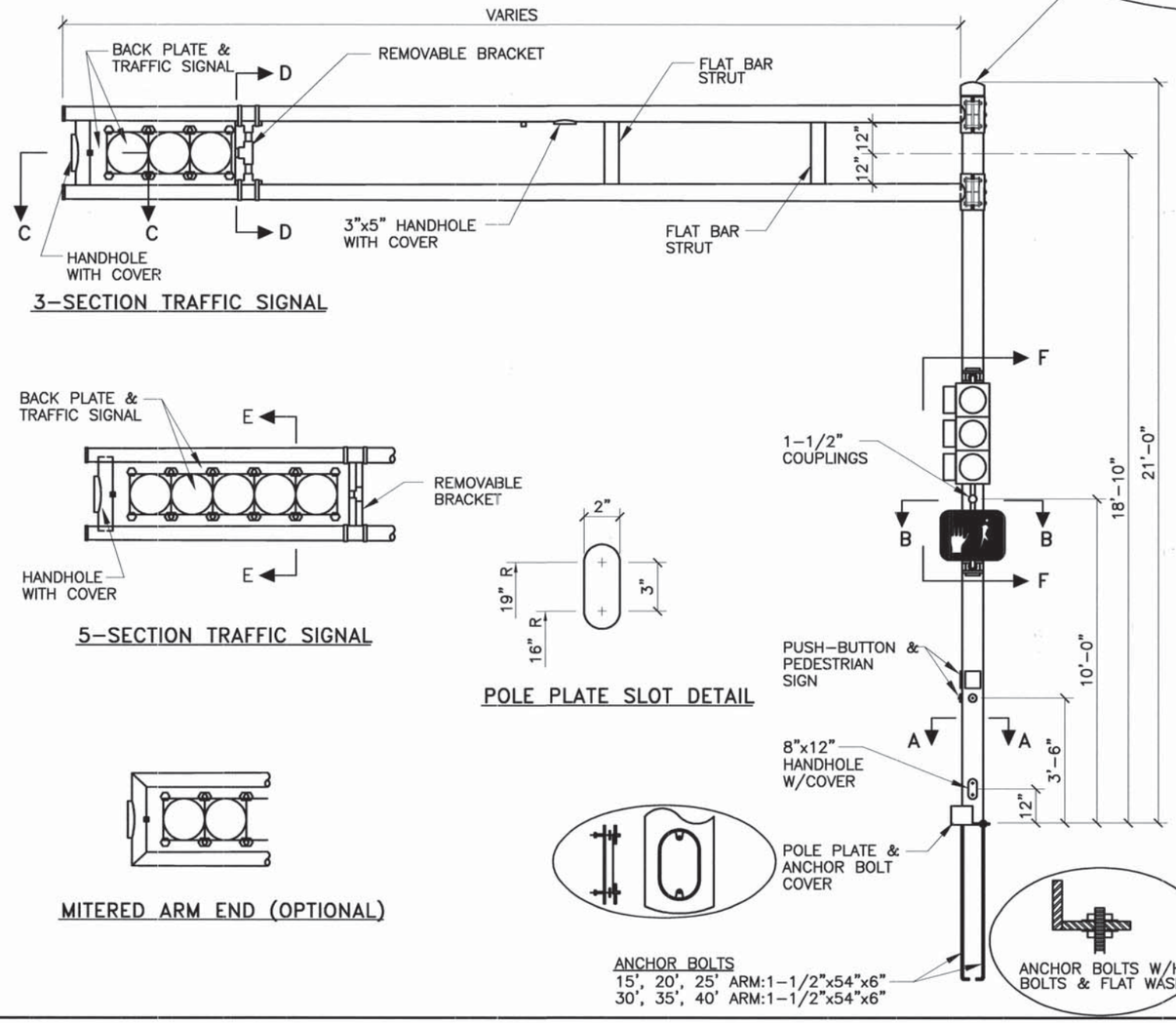
9-15



TYPICAL MASTARM DETAIL







3-SECTION TRAFFIC SIGNAL

5-SECTION TRAFFIC SIGNAL

POLE PLATE SLOT DETAIL

MITERED ARM END (OPTIONAL)

RECORD DRAWING

TRAFFIC SIGNAL MASTARM NOTES:

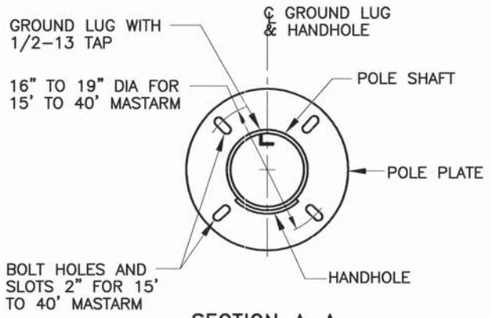
1. DESIGN IN ACCORDANCE WITH 1985 AASHTO SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES, AND TRAFFIC SIGNALS FOR AN 80 MPH WIND ZONE.
2. POLES AND MASTARMS SHAFTS SHALL CONFORM TO ASTM A-595 GRADE A (MIN YIELD 55 KSI).
3. BASE PLATE AND SIGNAL ARM CLAMP SHALL BE ASTM A-36 (MIN. YIELD 36 KSI).
4. ANCHOR BOLTS SAHLL BE ASTM A-36 MOD 55 (MIN. YIELD 55 KSI).
5. SIGNAL ARM CONNECTING BOLTS SHALL BE ASTM A-325.
6. WELDING SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICAN WELDING SOCIETY SPECIFICATIONS AWS D1.1. LATEST EDITION. ALL WELDS SHALL BE FREE FROM CRACKS, EXCESSIVE UNDERCUT, AND POROSITY. ANY WELD DEFECTS SHALL BE REPAIRED BY REMOVING THE DEFECTIVE MATERIAL AND REPLACING IT WITH SOUND WELD MATERIAL.
7. ALL HOLES SHALL BE DRILLED AND DEBURRED.
8. ALL POLES, MASTARMS, AND BOLTS SHALL BE GALVANIZED TO ASTM A-123 & A-153.
9. MASTARM SHALL BE MARKED TO DESCRIBE WHICH IS TOP AND WHICH IS BOTTOM. POLE PLATE COVER SHALL BE MARKED IN MATED PAIRS. POLE SHAFTS SHALL BE MARKED "ALB" "15-25" OR "30-40", AND DATE OF FABRICATION (MOUNTH/YEAR).
10. DETAILS SHOWN ARE FOR STEEL POLES. ALUMINIUM POLES MAY BE USED ONLY WHEN PRE-APPROVED BY THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS DIVISION.
11. BOLTS FOR TYPE III EXTENSIONS SHALL BE FURNISHED BY THE MANUFACTURER FOR ALL POLES INCLUDING TYPE II STANDARDS WITH NO EXTENSIONS.

NOTE: FOR SECTIONS A-A THROUGH G-G & DETAILS, SEE STD. DWG. 2562b

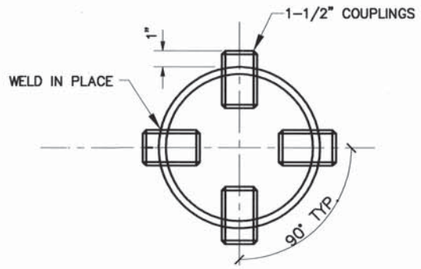
FINISH: GALVANIZED

REVISIONS	CITY OF ALBUQUERQUE
	TRAFFIC TRAFFIC SIGNAL MASTARM DETAILS, TYPE II STANDARD
	DWG. 2562a JANUARY 2003

9-16



SECTION A–A



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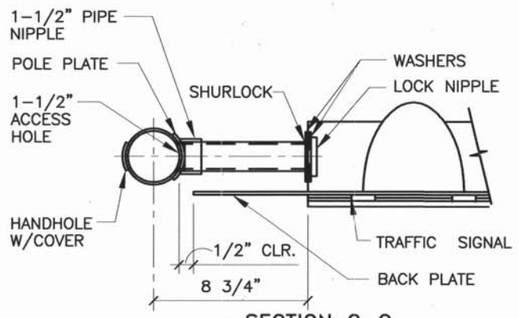
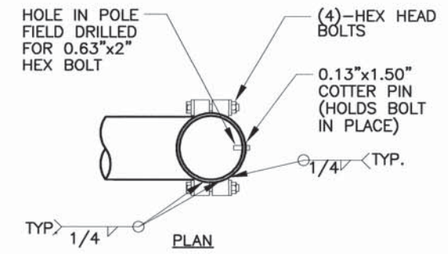
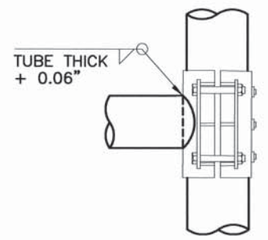


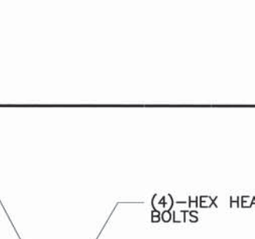
SECTION C–C



PLAN



ELEVATION

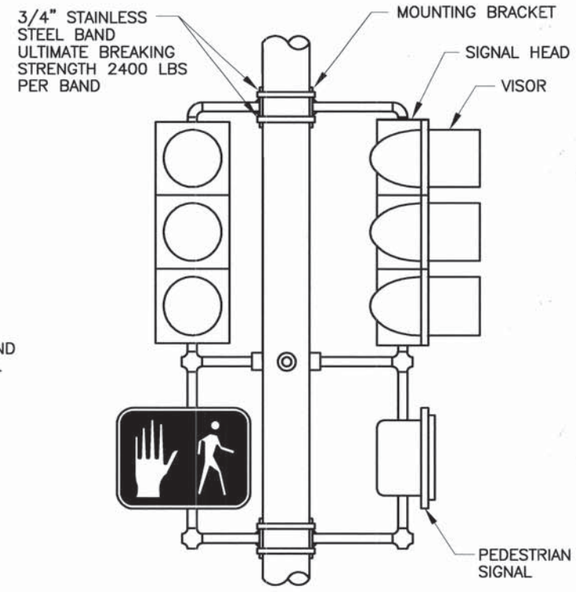


SECTION

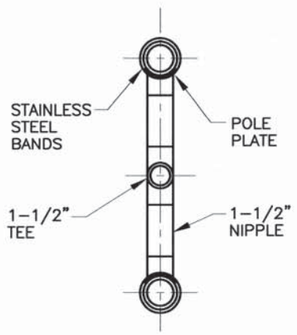
DETAIL I

NOTE:

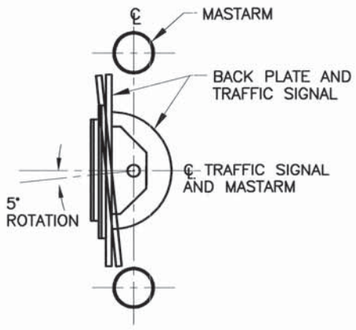
ONE SIZE ARM CLAMP FOR 15' TO 25' MASTARMS AND ONE SIZE FOR 30' TO 40' MASTARMS WILL BE ALLOWED



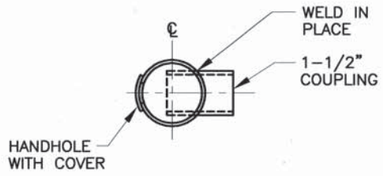
SECTION F–F



SECTION D–D



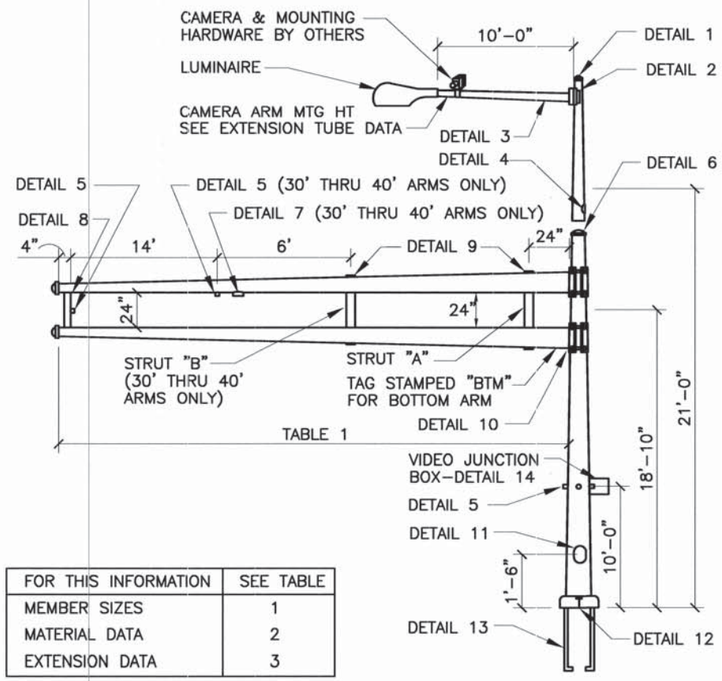
SECTION E–E



SECTION G–G

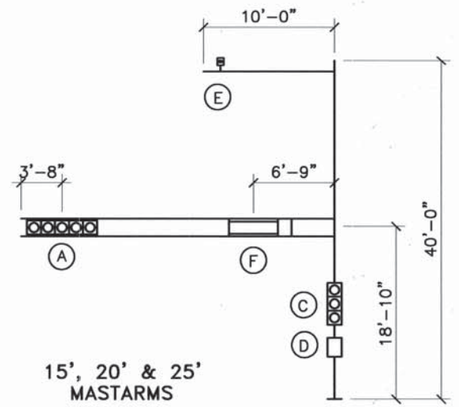
RECORD DRAWING

REVISIONS	CITY OF ALBUQUERQUE
	TRAFFIC TRAFFIC SIGNAL MASTARM DETAILS, TYPE II STANDARD DWG. 2562b JANUARY 2003



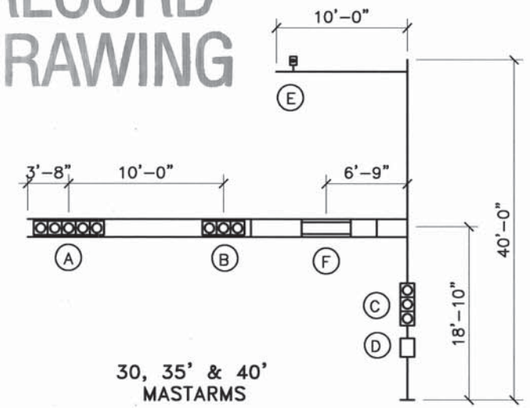
FOR THIS INFORMATION	SEE TABLE
MEMBER SIZES	1
MATERIAL DATA	2
EXTENSION DATA	3

ALBUQUERQUE, NM POLE SERIES



15', 20' & 25' MASTARMS

RECORD DRAWING



30, 35' & 40' MASTARMS

DEVICE	DESCRIPTION	PROJ. AREA (SQ FT)	WEIGHT (LBS)
Ⓐ	12"–5 SEC. SIGNAL WITH BACK PLATE	13.33	75
Ⓑ	12"–3 SEC. SIGNAL WITH BACK PLATE	8.67	50
Ⓒ	DUAL 12"–3 SEC. SIGNAL WITHOUT BACK PLATES	8.20	100
Ⓓ	DUAL PEDESTRIAN SIGNAL & VIDEO JUNCTION BOX	3.00	60
Ⓔ	VIDEO CAMERA	1.00 EPA	35
Ⓕ	FREE SWINGING STREET NAME –96" X 16"	3.00 EPA	35

DESIGN CRITERIA:
1985 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS.

WIND VELOCITY:
80 MPH ISOTACH

LOADING INFORMATION

TABLE 1: POLE AND MASTARM SCHEDULE

DESIGNATION (SEE EXAMPLE ABOVE)				POLE DATA				BASE PLATE DATA				ANCHOR BOLT DATA				MASTARM DATA				ARM ATTACHMENT DATA				
POLE SERIES	POLE TYPE	SIGNAL ARM SPAN (FT)	CAMERA MOUNTING HEIGHT 0=NO CAMERA	BASE DIA	TOP DIA	LENGTH	GA	CIRCLE "C"	THK "G"	BC RANGE BC1	BC RANGE BC2	BOLT CIRCLE	DIAMETER "K"	LENGTH "J"	HOOK "H"	FIXED END DIA	FREE END DIA	GA	LENGTH (FT)	"A"	"B"	"C"	"D"	"E"
ALB	2	15	0, 30, 35, 40	10.00"	7.06"	21'–0"	7	23.00"	1.50"	16.00"	19.00"	16.00"	1.50"	54"	6"	5.80"	3.70"	11	15	7.25"	9.44"	10.81"	10.38"	1.00"–8UNC X 8.00"
ALB	2	20	0, 30, 35, 40	10.00"	7.06"	21'–0"	7	23.00"	1.50"	16.00"	19.00"	16.00"	1.50"	54"	6"	6.50"	3.70"	11	20	7.25"	9.44"	10.81"	10.38"	1.00"–8UNC X 8.00"
ALB	2	25	0, 30, 35, 40	10.00"	7.06"	21'–0"	7	23.00"	1.50"	16.00"	19.00"	16.00"	1.50"	54"	6"	7.00"	3.50"	11	25	7.25"	9.44"	10.81"	10.38"	1.00"–8UNC X 8.00"
ALB	2	30	0, 30, 35, 40	12.00"	9.06"	21'–0"	5	23.00"	1.50"	16.00"	19.00"	16.00"	1.50"	54"	6"	7.72"	3.52"	7	30	9.25"	11.44"	13.81"	12.38"	1.00"–8UNC X 9.00"
ALB	2	35	0, 30, 35, 40	12.00"	9.06"	21'–0"	5	23.00"	1.50"	16.00"	19.00"	16.00"	1.50"	54"	6"	8.30"	3.40"	7	35	9.25"	11.44"	13.81"	12.38"	1.00"–8UNC X 9.00"
ALB	2	40	0, 30, 35, 40	12.00"	9.06"	21'–0"	5	23.00"	1.50"	16.00"	19.00"	16.00"	1.50"	54"	6"	9.00"	3.40"	7	40	9.25"	11.44"	13.81"	12.38"	1.00"–8UNC X 9.00"

FINISH:
☐ GALVANIZED
☐ POWDER COATED
COLOR _____

TABLE 2: MATERIAL DATA

COMPONENT	ASTM DESIGNATION	MIN. YIELD (KSI)	COMPONENT	ASTM DESIGNATION	MIN. YIELD (KSI)
POLE TUBE	A595 GR A	55	SIGNAL ARM CLAMP	A36	36
BASE PLATE	A36	36	SIGNAL ARM CONN. BOLTS	A325 *	
MAST ARM TUBE	A595 GR A	55	CAMERA ARM PLATES	A36	36
CAMERA ARM TUBE	A595 GR A	55	GALVANIZING	A123 & A153	
POLE EXTENSION	A595 GR A	55			
ANCHOR BOLTS AASHTO M314 GR. 55					
* LUBRICATE IN FIELD IF NECESSARY IN LIEU OF THE REQUIREMENT IN A325					

TABLE 3: EXTENSION TUBE DATA

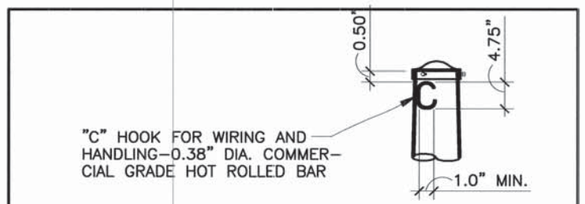
MASTARM LENGTH (FT)	CAMERA MTG HT (FT)	EXTENSION TUBE BASE DIA	EXTENSION TUBE TOP DIA	EXTENSION TUBE LENGTH (FT)	EXTENSION TUBE GAUGE
15–20	30	7.00	5.74	9.0	11
	35	7.00	5.04	14.0	11
	40	7.00	4.34	19.0	11
30–40	30	9.00	7.74	9.0	11
	35	9.00	7.04	14.0	11
	40	9.00	6.34	19.0	11

ALB – 3 – 25 – 40
- CAMERA MOUNTING HEIGHT (0,30',35',OR 40')
- SIGNAL ARM SPAN (15',20',25',30',35',40')
- POLE TYPE
- ALBUQUERQUE POLE SERIES (ALB)

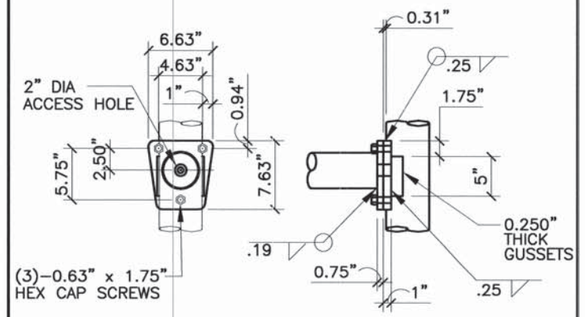
DESIGNATION EXAMPLE * *

** POLE SHAFTS SHALL BE MARKED "ALB" "15–25" OR "30–40", AND DATE OF FABRICATION (MONTH/YEAR).

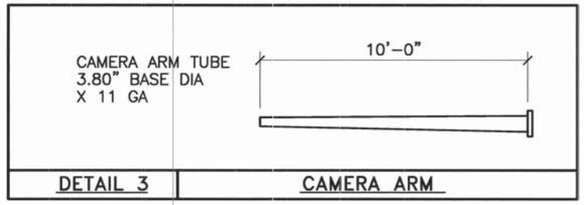
REVISIONS	CITY OF ALBUQUERQUE
	TRAFFIC
	TRAFFIC SIGNAL
	MASTARM DETAILS TYPE III STANDARD
	DWG. 2562c JANUARY 2003



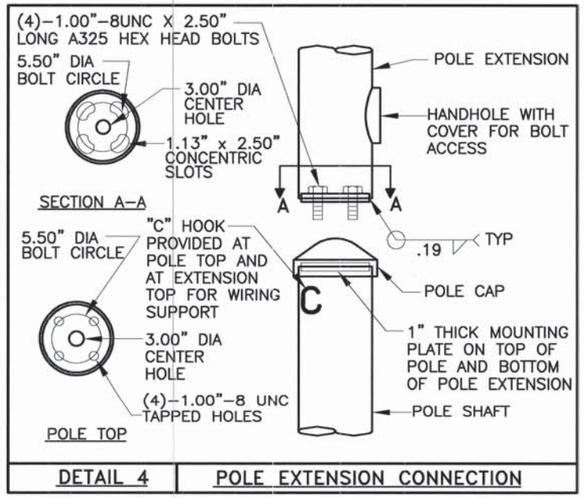
DETAIL 1 | POLE TOP



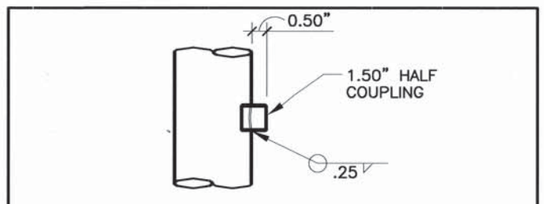
DETAIL 2 | CAMERA ARM ATTACHMENT



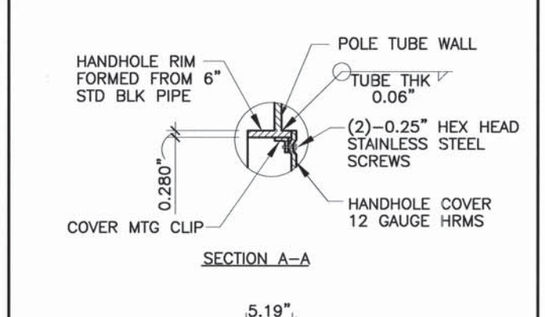
DETAIL 3 | CAMERA ARM



DETAIL 4 | POLE EXTENSION CONNECTION



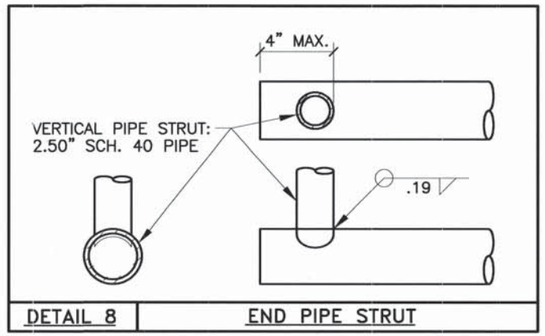
DETAIL 5 | POLE COUPLING



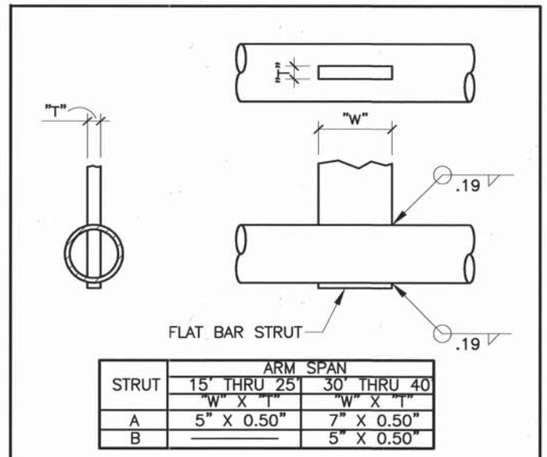
DETAIL 6 | EXTENSION HANDHOLE

SEE DETAIL 6

DETAIL 7 | HANDHOLE

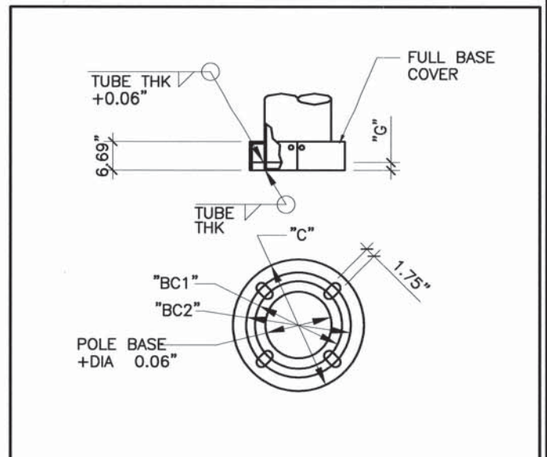


DETAIL 8 | END PIPE STRUT



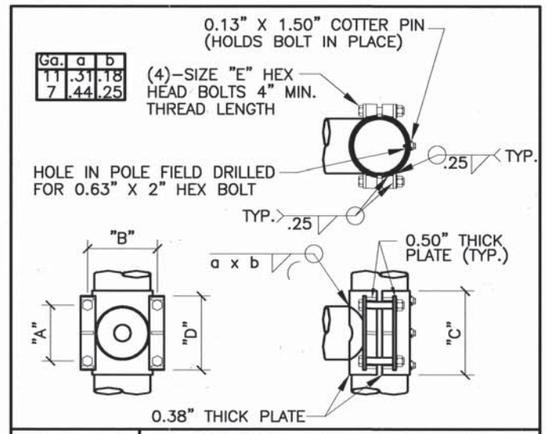
STRUT	ARM SPAN 15' THRU 25' "W" X "T"	ARM SPAN 30' THRU 40' "W" X "T"
A	5" X 0.50"	7" X 0.50"
B	———	5" X 0.50"

DETAIL 9 | MID BAR STRUT

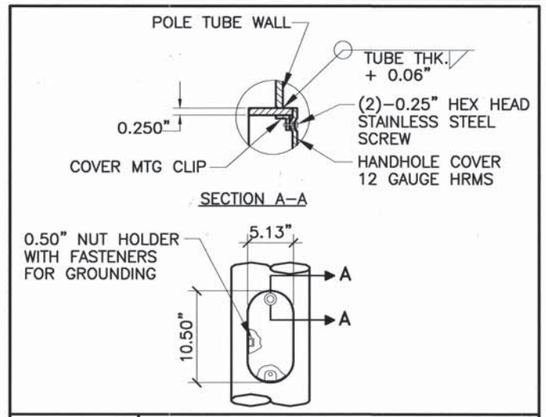


DETAIL 12 | POLE BASE

Ga.	a	b
11	.31	.18
7	.44	.25



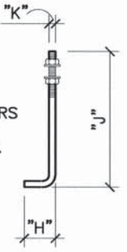
DETAIL 10 | SIGNAL ARM ATTACHMENT



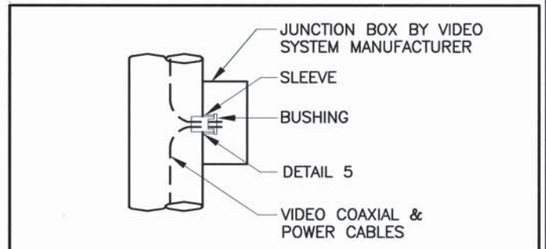
DETAIL 11 | HANDHOLE

RECORD DRAWING

(4)–ANCHOR BOLTS WITH (2) HEX NUTS AND (2) WASHERS PER BOLT WITH THREADED END GALVANIZED AT LEAST 12".

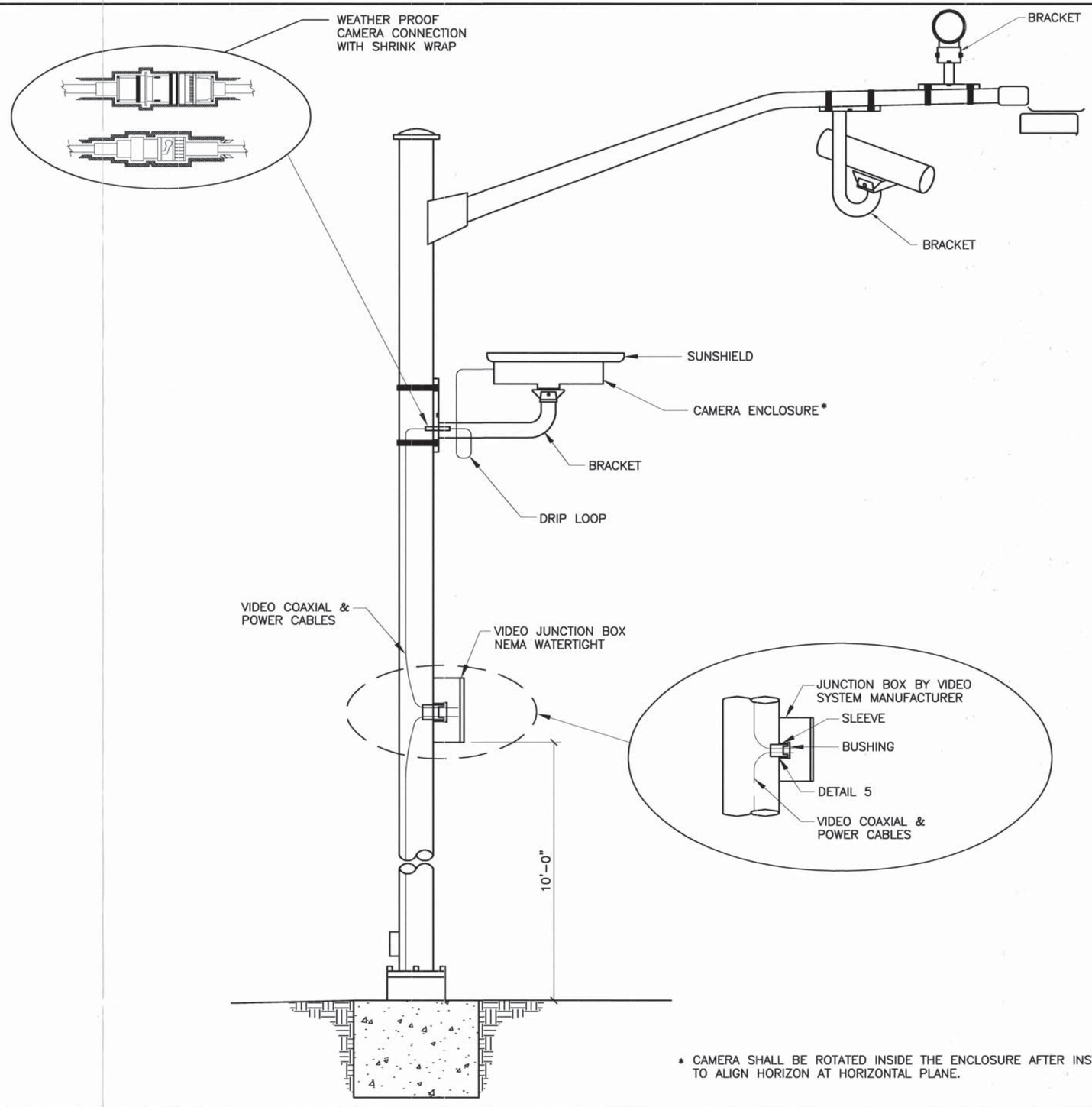


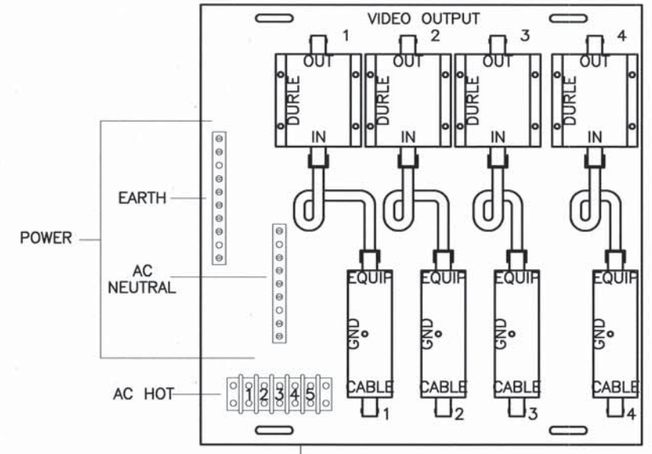
DETAIL 13 | ANCHOR BOLT



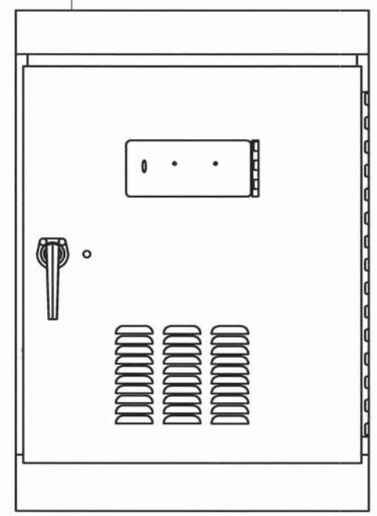
DETAIL 14 | VIDEO JUNCTION BOX

REVISIONS	CITY OF ALBUQUERQUE
	TRAFFIC TRAFFIC SIGNAL TYPE III STANDARD– MISCELLANEOUS DETAILS DWG. 2562d JANUARY 2003





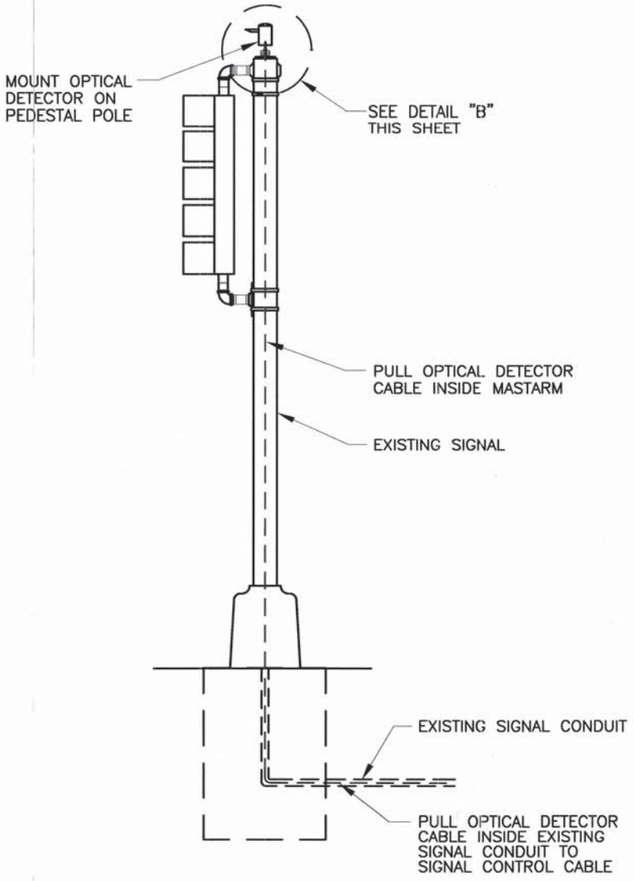
CAMERA INTERFACE PANEL



RECORD DRAWING

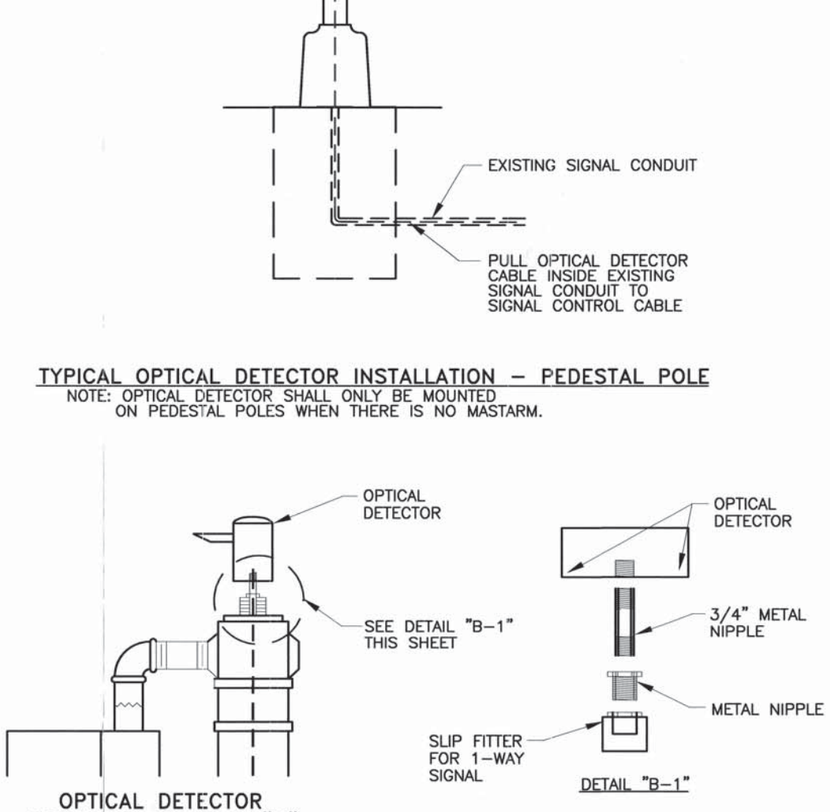
* CAMERA SHALL BE ROTATED INSIDE THE ENCLOSURE AFTER INSTALLATION, TO ALIGN HORIZON AT HORIZONTAL PLANE.

REVISIONS	CITY OF ALBUQUERQUE
	TRAFFIC TRAFFIC SIGNAL MACHINE VISION VEHICLE DETECTOR SYSTEMS DWG. 2568 JANUARY 2003

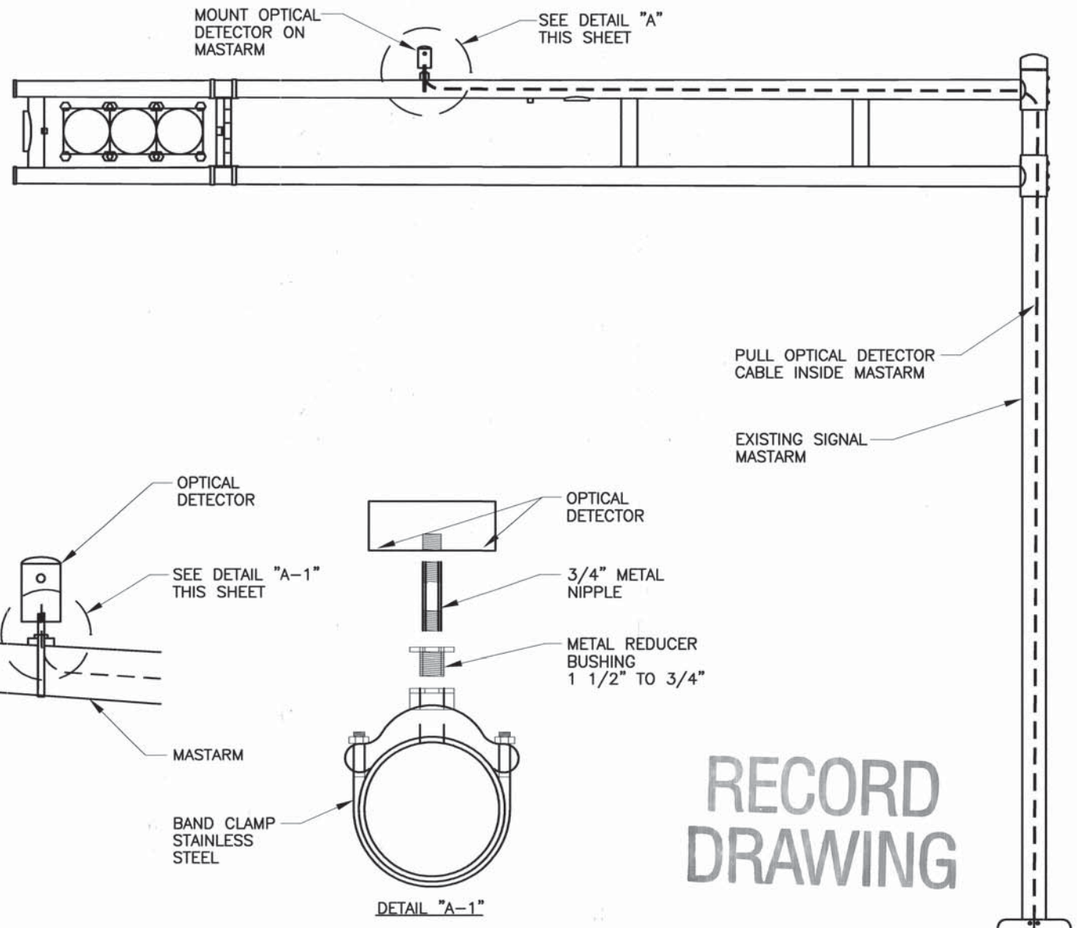


TYPICAL OPTICAL DETECTOR INSTALLATION – PEDESTAL POLE

NOTE: OPTICAL DETECTOR SHALL ONLY BE MOUNTED ON PEDESTAL POLES WHEN THERE IS NO MASTARM.



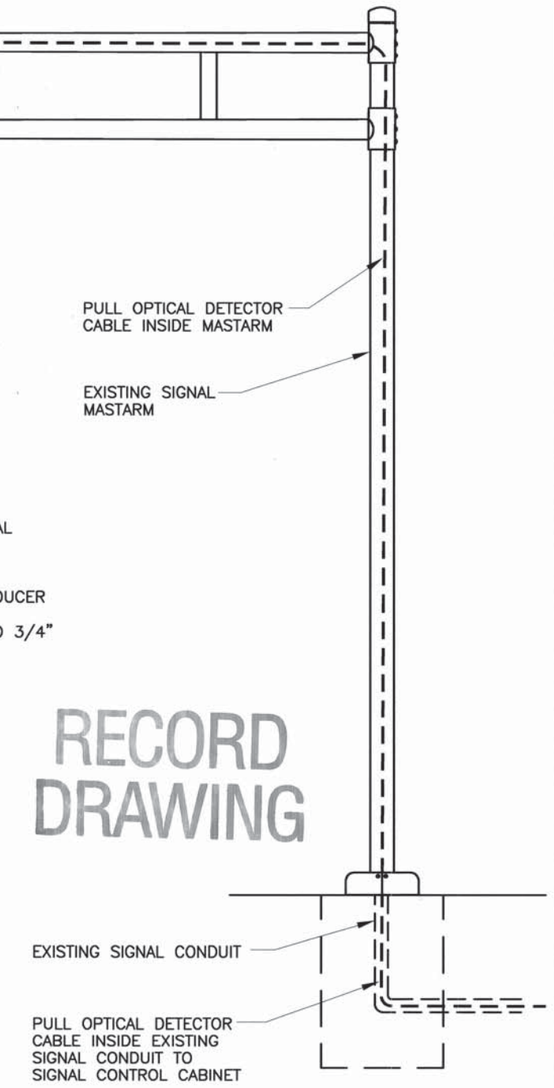
OPTICAL DETECTOR MOUNTING – DETAIL "B"



OPTICAL DETECTOR MOUNTING – DETAIL "A"

NOTES:

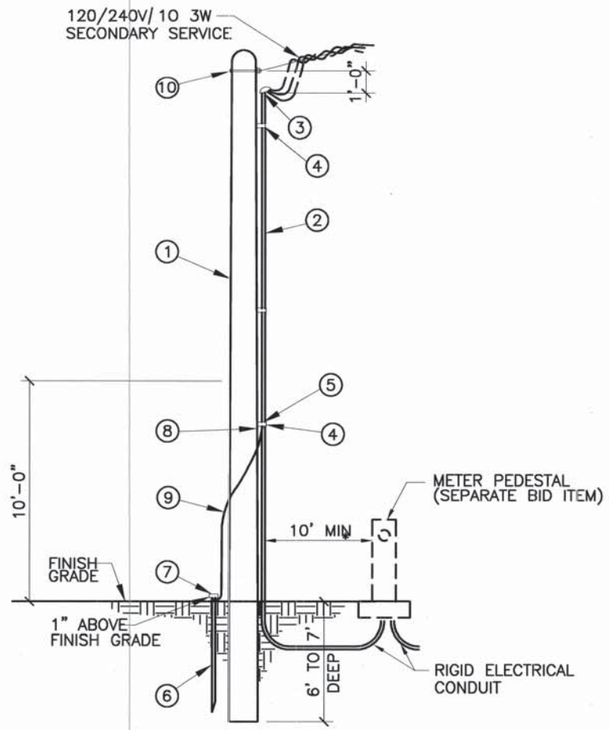
1. ALL OPTICAL DETECTOR MOUNTING HARDWARE SHALL CONFORM TO OPTICAL DETECTOR MANUFACTURER'S REQUIREMENTS.



RECORD DRAWING

TYPICAL OPTICAL DETECTOR INSTALLATION – MASTARM

REVISIONS	CITY OF ALBUQUERQUE
	TRAFFIC TRAFFIC SIGNAL OPTICAL DETECTOR INSTALLATION DETAILS
	DWG. 2569 JANUARY 2003

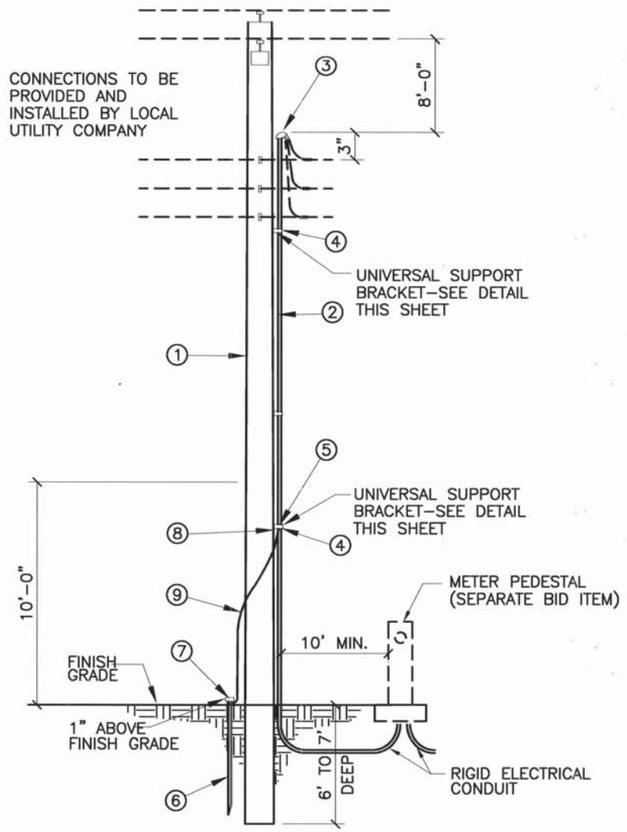


MATERIAL LIST

①	1	25' TREATED POLE
②	30'	2" GALVANIZED CONDUIT
③	1	2" WEATHER HEAD
④	2	UNIVERSAL SUPPORT BRACKET
⑤	2	2" PIPE STRAP KIT
⑥	1	COPPER WELD 3/4"x10'-0" GROUND ROD
⑦	1	GROUND ROD CLAMP
⑧	1	GROUND LUG
⑨	10'	#6 BARE COPPER GROUND WIRE
⑩	1	5/8" EYE BOLT
	40'	I/C #2 THW BLACK
	40'	I/C #2 THW WHITE
	40'	I/C #2 THW RED

SERVICE POLE (SIGNAL)

* CONDUIT AND WIRE EXTENDING MORE THAN 10' FROM POLE WILL BE MEASURED AND PAID PER ACTUAL FOOTAGE USED.

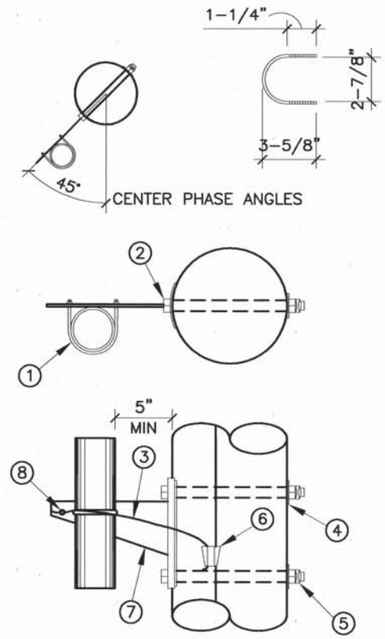


MATERIAL LIST

①	1	EXISTING POLE
②	40'	2" GALVANIZED CONDUIT
③	1	2" WEATHER HEAD
④	2	UNIVERSAL SUPPORT BRACKET
⑤	2	2" PIPE STRAP KIT
⑥	1	COPPER WELD 3/4"x10'-0" GROUND ROD
⑦	1	GROUND ROD CLAMP
⑧	1	GROUND LUG
⑨	10'	#6 BARE COPPER GROUND WIRE
	50'	I/C #2 THW BLACK
	50'	I/C #2 THW WHITE
	50'	I/C #2 THW RED

SERVICE RISER (SIGNAL)

* CONDUIT AND WIRE EXTENDING MORE THAN 10' FROM POLE WILL BE MEASURED AND PAID PER ACTUAL FOOTAGE USED



UNIVERSAL SUPPORT BRACKETS

MATERIAL LIST

①	1	U BOLT
②	2	5/8" MACHINE BOLTS
③	3'	#4 SOLID COPPER WIRE
④	2	2-1/4" SQUARE WASHER
⑤	2	5/8" MF LOCK NUT
⑥	1	LINE TAP
⑦	1	SUPPORT BRACKET
⑧	1	GROUNDING LUG

UNIVERSAL SUPPORT BRACKETS NOTES:

1. BRACKET TO BE FASTENED TO POLE WITH 5/8" GALVANIZED MACHINE BOLTS.
2. BRACKET SUITABLE FOR TWO 2" CONDUITS.
3. TWO HOLE STRAPS ATTACHED AT 30" INTERVALS WITH 2" LAG SCREWS MAY BE USED INSTEAD OF THE SUPPORT BRACKET WHEN THE CONDUIT IS 1" OR LESS. A MAXIMUM OF TWO CONDUITS MAY BE STRAPPED DIRECTLY TO THE POLE.

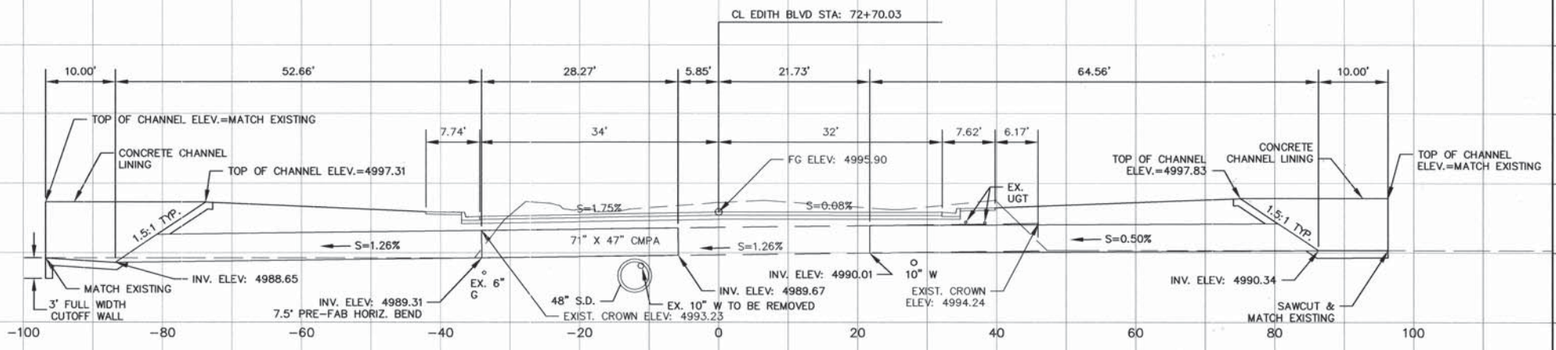
SIGNAL SERVICE NOTES

1. ALL SIGNAL SERVICE DETAILS, MATERIALS, & INSTALLATION SHALL CONFORM TO THE LOCAL POWER COMPANY REQUIREMENTS.
2. CONTACT LOCAL POWER COMPANY CUSTOMER SERVICES FOR POLE QUADRANT FOR RISERS.
3. ALL ABOVE GRADE CONDUIT SHALL BE GALVANIZED.
4. RISER BRACKET ASSEMBLY MUST BE GROUNDED PER LOCAL POWER COMPANY REQUIREMENTS.
5. CONDUIT AND WIRE EXTENDING MORE THEN 10' FROM POLE WILL BE MEASURED AND PAID PER ACTUAL FOOTAGE USED.
6. UNIVERSAL SUPPORT BRACKETS WILL BE CONSIDERED INCIDENTAL.
7. DRILLING HOLES IN EXISTING STEEL POLES FOR UNIVERSAL SUPPORT BRACKETS WILL NOT BE PERMITTED. BRACKETS SHALL BE MOUNTED ON STEEL POLES WITH STAINLESS STEEL BANDS.
8. PROVIDE ONE 50A, SINGLE POLE, 120V CIRCUIT FOR CONTROLLER SIGNALS.

RECORD DRAWING

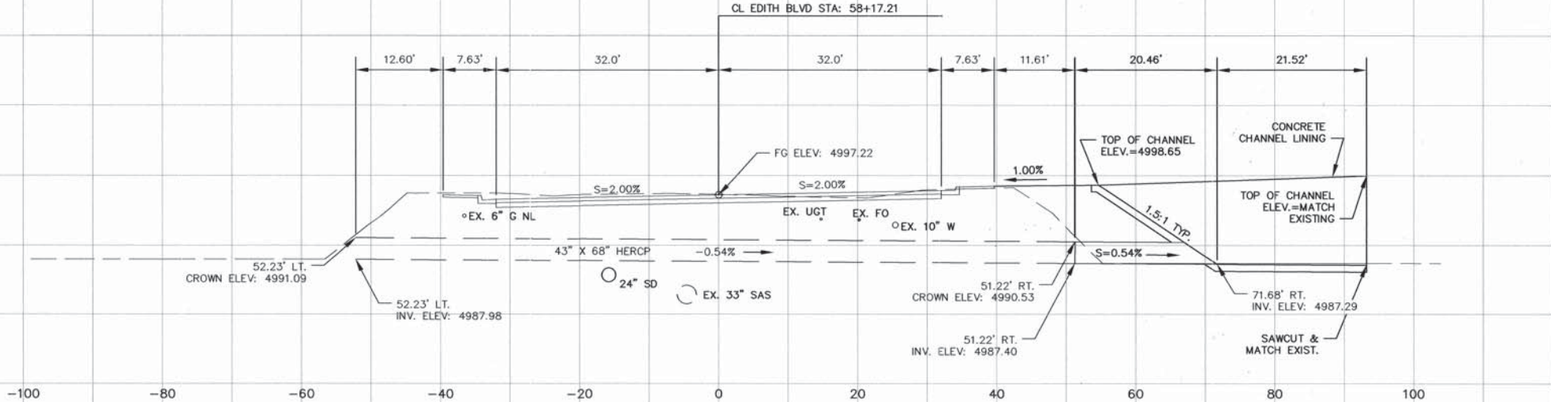
REVISIONS	CITY OF ALBUQUERQUE
	TRAFFIC
	TRAFFIC SIGNAL
	ELECTRICAL SERVICE DETAILS
	DWG. 2570 JANUARY 2003

Elevations are in NGVD 29



STA: 72+70.03

SKEW=5° R.F.
EXISTING 71" X 47" CMPA TO REMAIN. CONTRACTOR IS TO VERIFY PIPE SIZE BEFORE ORDERING MATERIALS
REMOVE 28' LT. & EXTEND W/ 71" X 47" X 81' CMPA W/ PRE-FAB 7.48° BEND LT. REMOVE 24' RT. & EXTEND W/ 71" X 47" X 65' CMPA. CORRUGATED METAL PIPE CULVERT SHALL CONFORM TO INTERIM FEDERAL SPECIFICATION WW-P-00405, CLASS I & II, SHAPES 1, 2 AND 3 AS APPLICABLE. BUILD (2)-REINFORCED CONCRETE CHANNEL TRANSITIONS LT. & RT. (ITEM 515000, 8 CU. YDS.) SEE SHEET 2-33.
NOTE: COST OF BEND SHALL BE INCIDENTAL TO COST OF PIPE
SERIALS: 206-04-1/3, 206-07-1/1



STA: 58+17.21

SKEW=1° R.F.
EXISTING 43" X 68" HERCP TO REMAIN
EXTEND W/ 43" X 68" X 21' HERCP RT. PIPE SHALL CONFORM TO A.S.T.M. DESIGNATION 076-72, CLASS III, WALL B, USING "O" RING GASKETED JOINTS, W/ CONC. COLLAR RT.
BUILD REINF. CONC. CHANNEL TRANSITION RT. (ITEM 515000, 30 CU. YDS.) SEE SHEET 2-33.
SERIALS: 206-02-1/1, 206-07-1/1, 515-01-2/2

GRAPHIC SCALE

10 0 5 10 20
(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 10'
VERT. SCALE: 1" = 10'

GENERAL NOTES

KEYED NOTES:

AS BUILT INFORMATION
CONTRACTOR A.S. HARVEY
WORK STAKED BY Souder Miller 7/08 DATE
INSPECTION BY BCPWD 1/09 DATE
FIELD CHANGES BY BCPWD 1/09 DATE
VERIFICATION BY BCPWD 1/09 DATE
PLANS CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/7/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY JB	DATE 08/01/07
		DRAWN BY AB	DATE 08/01/07
		CHECKED BY NA	DATE 08/01/07

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
MRGCD STRUCTURE SECTIONS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	10-1

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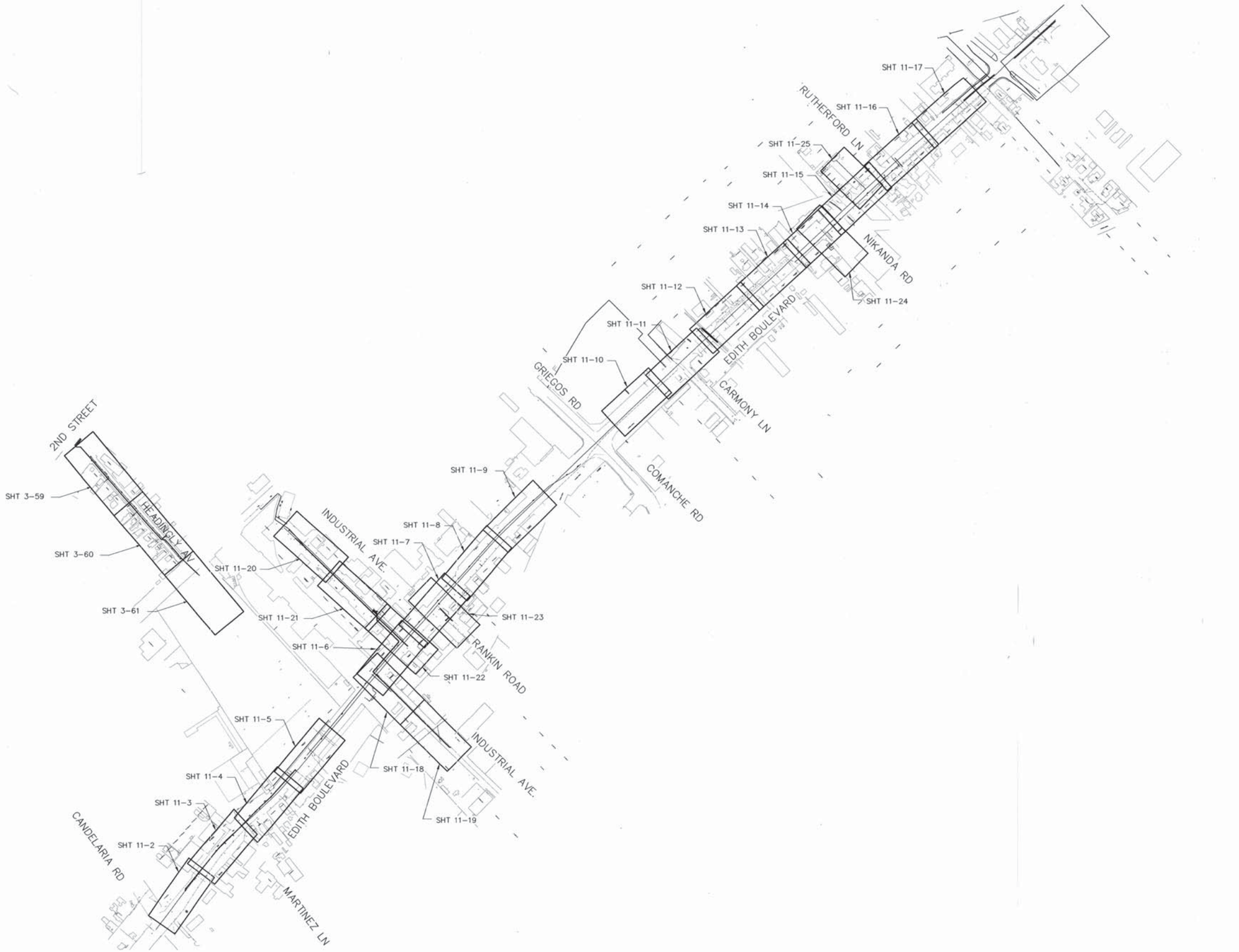

NOT TO SCALE

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER

WORK STAKED BY SOLDER MILLER 1/09 DATE

INSPECTOR'S FIELD NOTES BY BCPWD 1/09 DATE

FIELD CHANGES BY BCPWD 1/09 DATE

VERIFICATION BY CONTRACTOR P.B. 3/09 DATE

CORRECTED BY

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM. 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.

NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUXMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/17/07

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY DATE

DRAWN BY DATE

CHECKED BY DATE

RECORD DRAWING

PB Parsons 100 1912 Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
SANITARY SEWER LAYOUT

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	11-1

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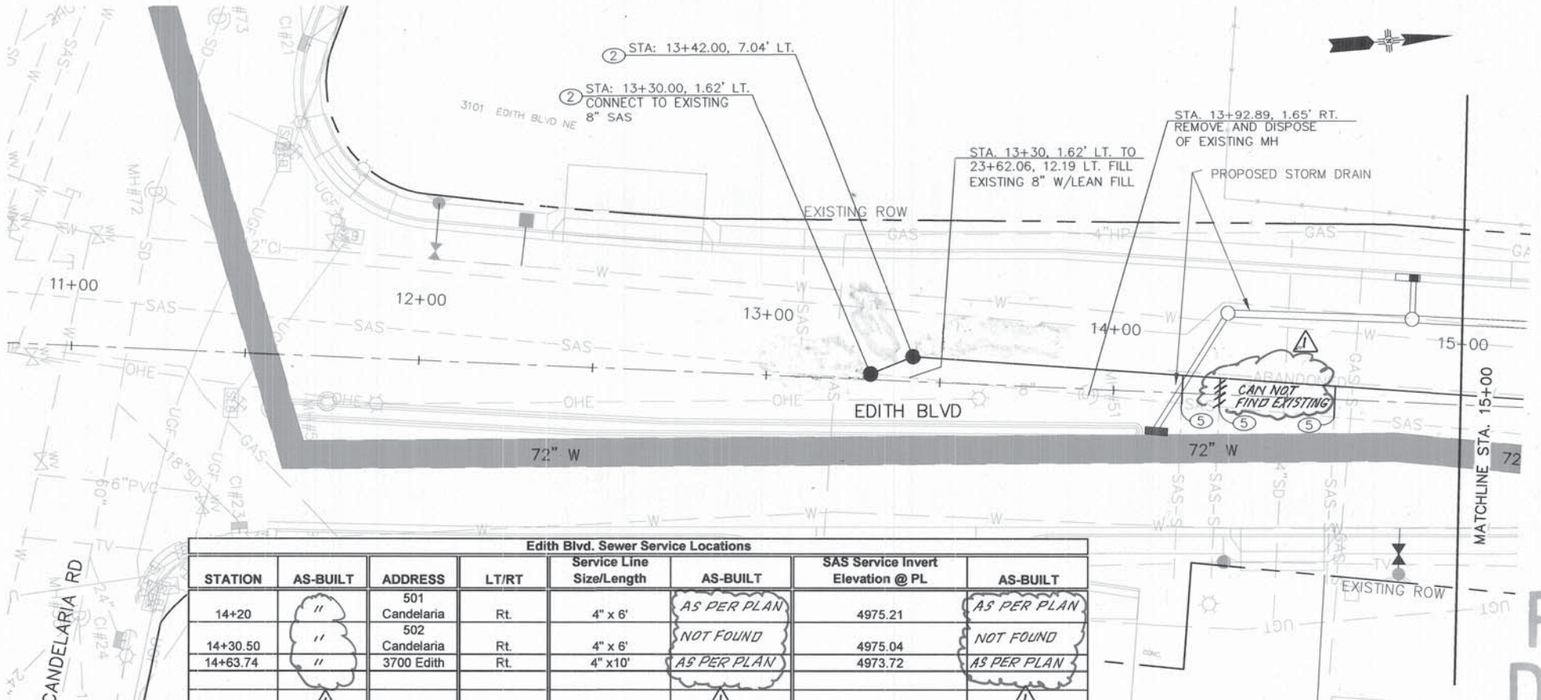
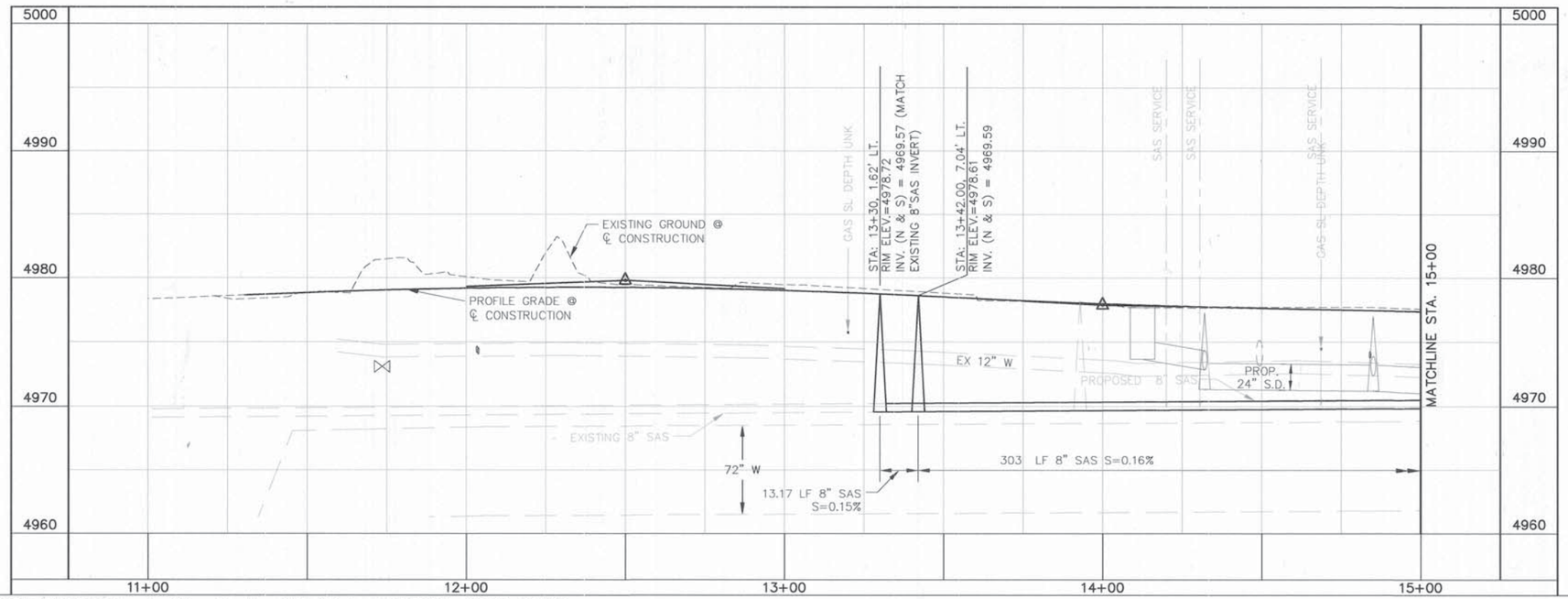


Edith Blvd. Sewer Service Locations							
STATION	AS-BUILT	ADDRESS	LT/RT	Service Line Size/Length	AS-BUILT	SAS Service Invert Elevation @ PL	AS-BUILT
14+20	"	501 Candelaria	Rt.	4" x 6'	AS PER PLAN	4975.21	AS PER PLAN
14+30.50	"	502 Candelaria	Rt.	4" x 6'	NOT FOUND	4975.04	NOT FOUND
14+63.74	"	3700 Edith	Rt.	4" x10'	AS PER PLAN	4973.72	AS PER PLAN



GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER ALONG THE HORIZONTAL.

KEYED NOTES:

(1) CONSTRUCT 4' DIA. MANHOLE, TYPE C PER C.O.A. STANDARD DWG. NO. 2101. SEE SHEET 16–1.

(2) CONSTRUCT 4' DIA. MANHOLE, TYPE C OR TYPE E, PER C.O.A. STANDARD DWG. NO. 2101 OR 2102. SEE SHEET 16–1.

(3) CONNECT TO EXISTING MANHOLE OR PIPE. CONTRACTOR IS TO VERIFY INVERT ELEVATION IN THE FIELD PRIOR TO CONSTRUCTION.

(4) CONSTRUCT SAS SERVICE LINE PER C.O.A. STANDARD DWG. NO 2125. SEE SHEET 16–2.

(5) RECONNECT EXISTING SAS SERVICE. SEE C.O.A. DWG. 2134, SHEET 16–2.

RECORD DRAWING

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SUPER MILLER 1/09 DATE
INSPECTION PERFORMED BY BCPWD 1/09 DATE
FIELD CHANGES BY BCPWD 1/09 DATE
VERIFICATION BY BCPWD 1/09 DATE
AS-BUILT CORRECTED BY P.B. 2/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	04/09	REVISED SAS	VRV

DESIGN	BY	DATE
DESIGNED BY	TWTK	08/01/07
DRAWN BY	TWTK	08/01/07
CHECKED BY	DOM	08/01/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD SANITARY SEWER

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F–15, G–15	11–2

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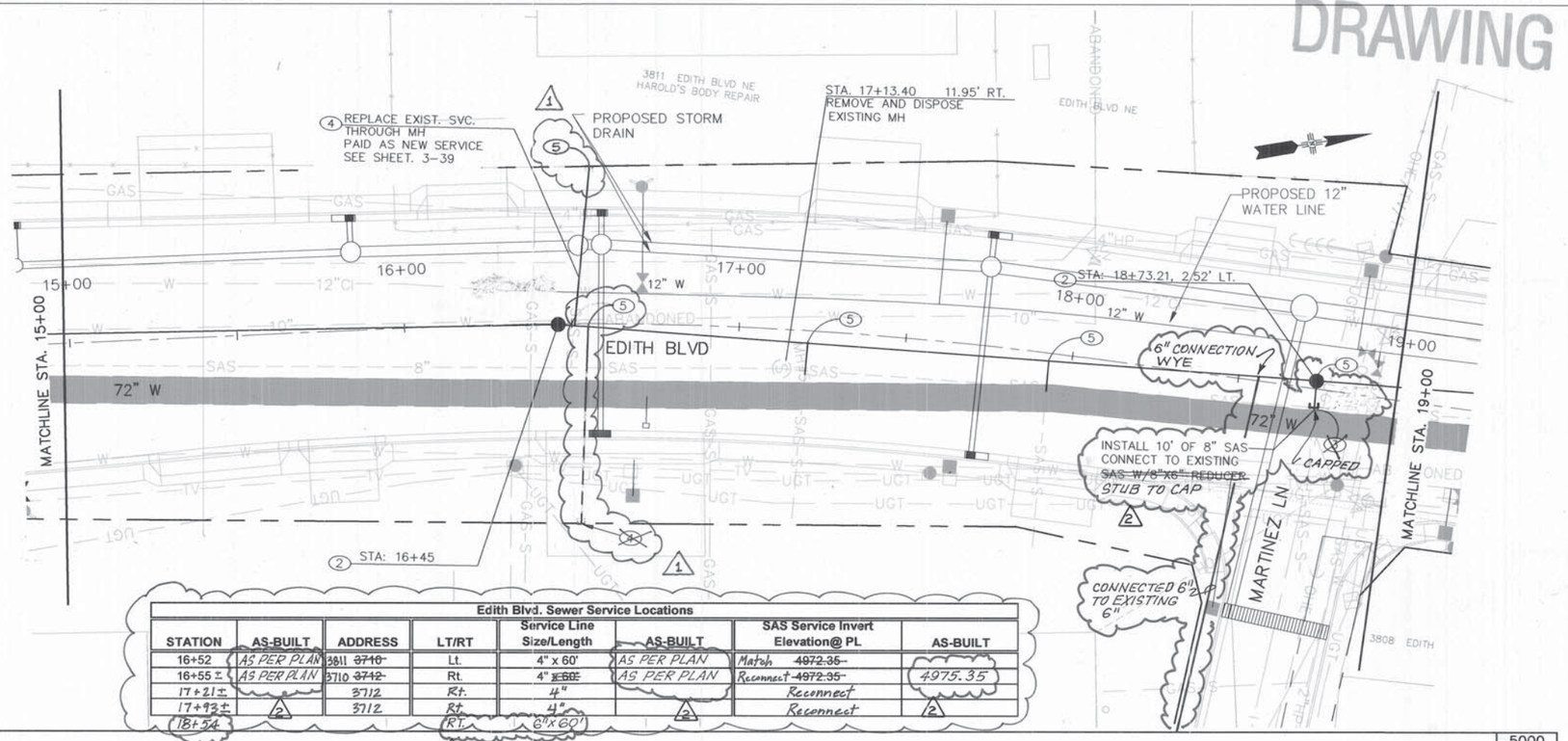
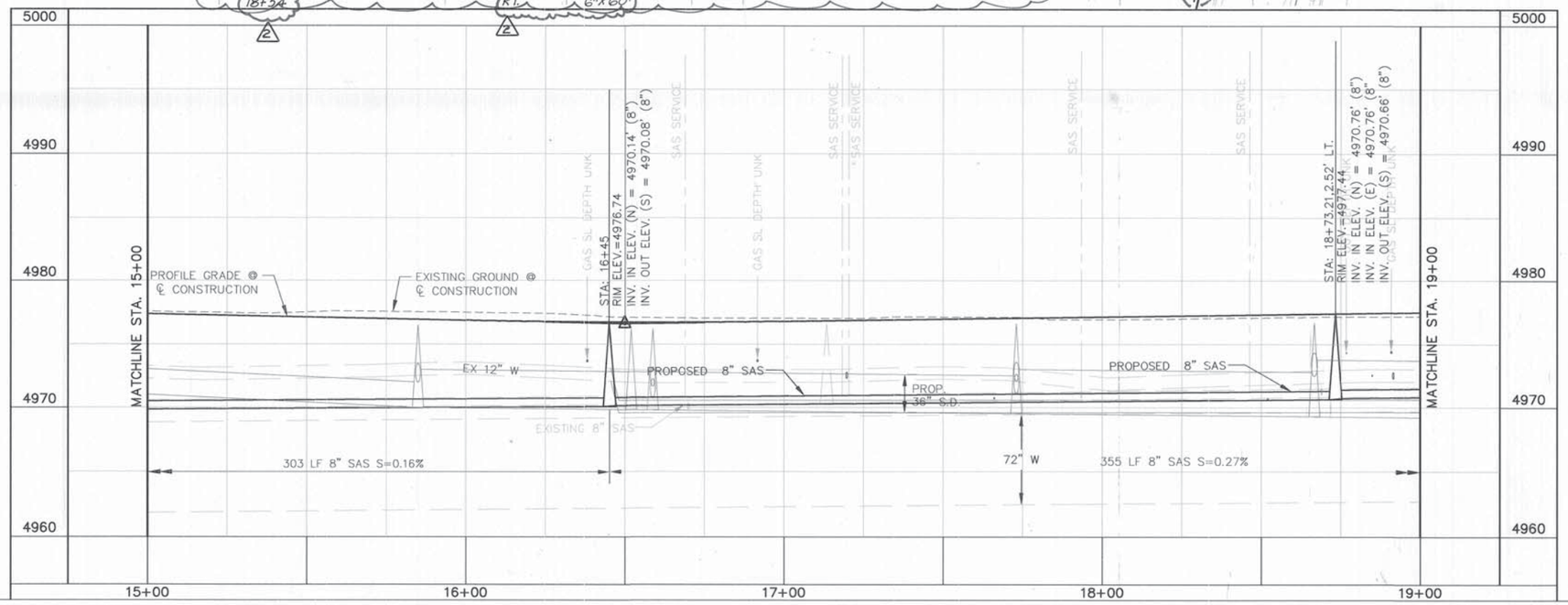
RECORD DRAWING



Edith Blvd. Sewer Service Locations

STATION	AS-BUILT	ADDRESS	LT/RT	Service Line Size/Length	AS-BUILT	SAS Service Invert Elevation@ PL	AS-BUILT
16+52	AS PER PLAN	~~3711~~ 3710	Lt.	4" x 60'	AS PER PLAN	Match ~~4972.35~~	
16+55 ±	AS PER PLAN	~~3710~~ 3712	Rt.	4" ~~x 60'~~	AS PER PLAN	Reconnect ~~4972.35~~	4975.35
17+21±		3712	Rt.	4"		Reconnect	
17+93±		3112	Rt.	4"		Reconnect	
18+54			RT.	6"x 60'			



GRAPHIC SCALE

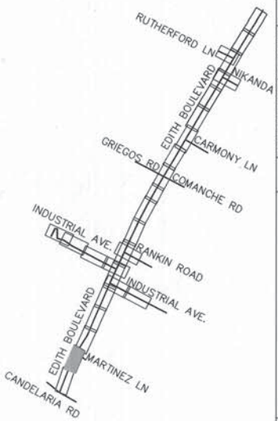
20 0 10 20 40
(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER ALONG THE HORIZONTAL.

KEYED NOTES:

1. CONSTRUCT 4' DIA. MANHOLE, TYPE C, PER C.O.A. STANDARD DWG. NO. 2101. SEE SHEET 16-1.
2. CONSTRUCT 4' DIA. MANHOLE, TYPE C OR TYPE E, PER C.O.A. STANDARD DWG. NO. 2101 OR 2102. SEE SHEET 16-1.
3. CONNECT TO EXISTING MANHOLE OR PIPE. CONTRACTOR IS TO VERIFY INVERT ELEVATION IN THE FIELD PRIOR TO CONSTRUCTION.
4. CONSTRUCT SAS SERVICE LINE PER C.O.A. STANDARD DWG. NO 2125. SEE SHEET 16-2.
5. RECONNECT EXISTING SAS SERVICE. SEE C.O.A. DWG. 2134, SHEET 16-2.



PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY Sanders Miller 7/06 DATE
INSPECTION BY BCPWD 1/09 DATE
FIELD STAKING BY BCPWD 1/09 DATE
VERIFICATION BY BCPWD 1/09 DATE
FIELD MEASUREMENTS CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on sold drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCHANAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	08/09	REVISED SAS Services revised	VRV
	9/19/07		JHB

DESIGN

DESIGNED BY	TWTK	DATE	08/01/07
DRAWN BY	TWTK	DATE	08/01/07
CHECKED BY	DCM	DATE	08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD SANITARY SEWER

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV. 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	11-3

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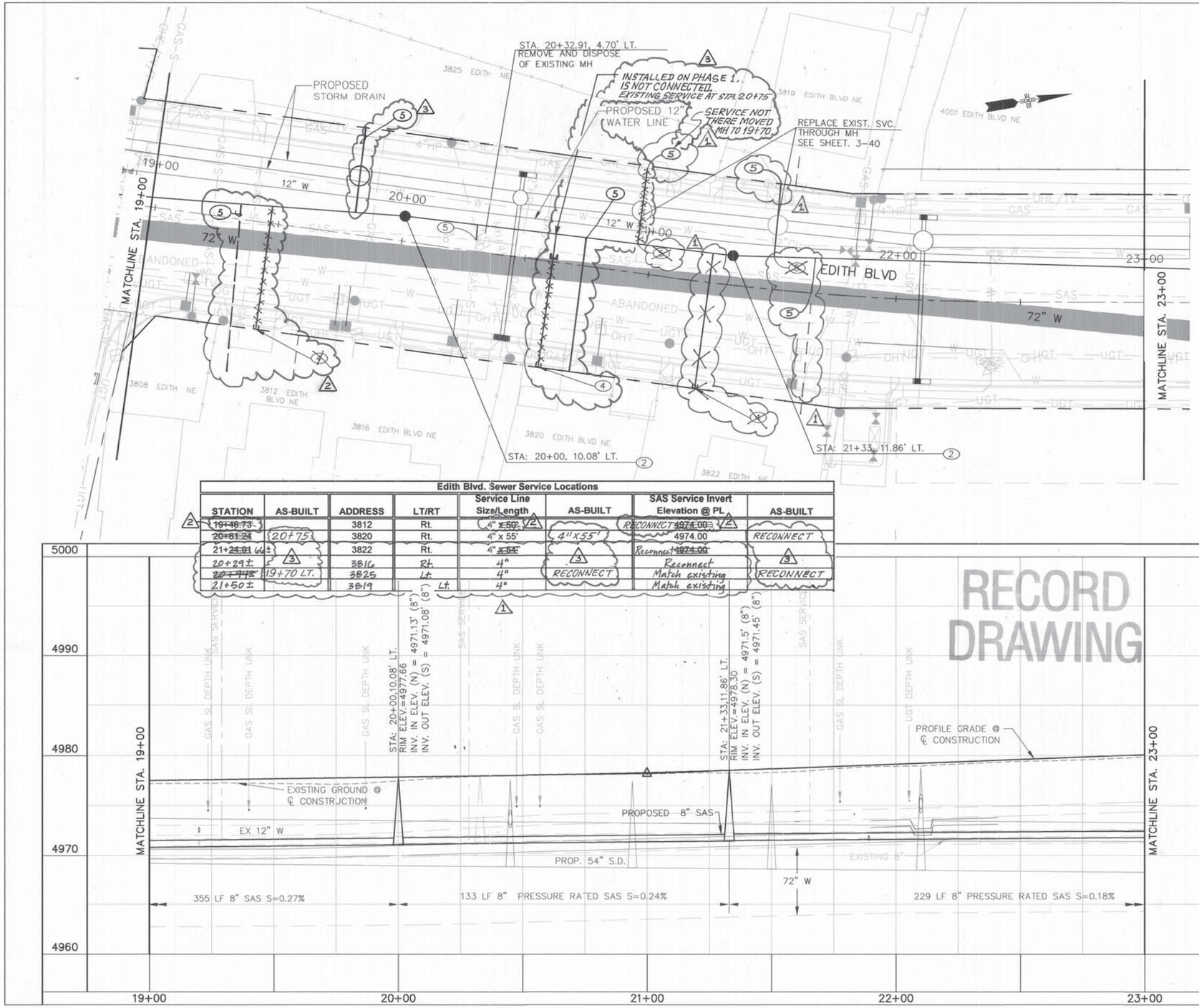
Addendum 1



Edith Blvd. Sewer Service Locations

STATION	AS-BUILT	ADDRESS	LT/RT	Service Line Size/Length	AS-BUILT	SAS Service Invert Elevation @ PL	AS-BUILT
~~19+46.73~~		3812	Rt.	~~4" x 50'~~		~~RECONNECT 4974.00~~	
~~20+81.24~~	20+75	3820	Rt.	4" x 55'	4"X55'	4974.00	RECONNECT
21+~~24.91~~ 60±		3822	Rt.	~~4" x 54'~~		~~Reconnect 4974.00~~	
~~20+29±~~		3816	Rt.	4"		Reconnect	
~~20+99±~~	19+70 LT.	3825	Lt.	4"		Match existing	
21+50±		3819	Lt.	4"	RECONNECT	Match existing	RECONNECT

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER ALONG THE HORIZONTAL.

KEYED NOTES:

1. CONSTRUCT 4' DIA. MANHOLE, TYPE C PER C.O.A. STANDARD DWG. NO. 2101. SEE SHEET 16-1.
2. CONSTRUCT 4' DIA. MANHOLE, TYPE C OR TYPE E, PER C.O.A. STANDARD DWG. NO. 2101 OR 2102. SEE SHEET 16-1.
3. CONNECT TO EXISTING MANHOLE OR PIPE. CONTRACTOR IS TO VERIFY INVERT ELEVATION IN THE FIELD PRIOR TO CONSTRUCTION.
4. CONSTRUCT SAS SERVICE LINE PER C.O.A. STANDARD DWG. NO 2125. SEE SHEET 16-2.
5. RECONNECT EXISTING SAS SERVICE. SEE C.O.A. DWG. 2134, SHEET 16-2.

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SANDERS/MILLER 7/09 DATE
INSPECTOR'S INITIALS BY B.C.P.M.D 7/09 DATE
FIELD VERIFICATION BY B.C.P.M.D 7/09 DATE
UTILITY LOCATIONS CORRECTED BY P.B. 7/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. PUCHNER
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	04/09	REVISED SAS	YAV
2	12/09	SERVICE REVISED	JHB
3	9/9/07	Services revised	JHB

DESIGN

DESIGNED BY	TWTK	DATE	08/01/07
DRAWN BY	TWTK	DATE	08/01/07
CHECKED BY	DCM	DATE	08/01/07

Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD SANITARY SEWER

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	11-4

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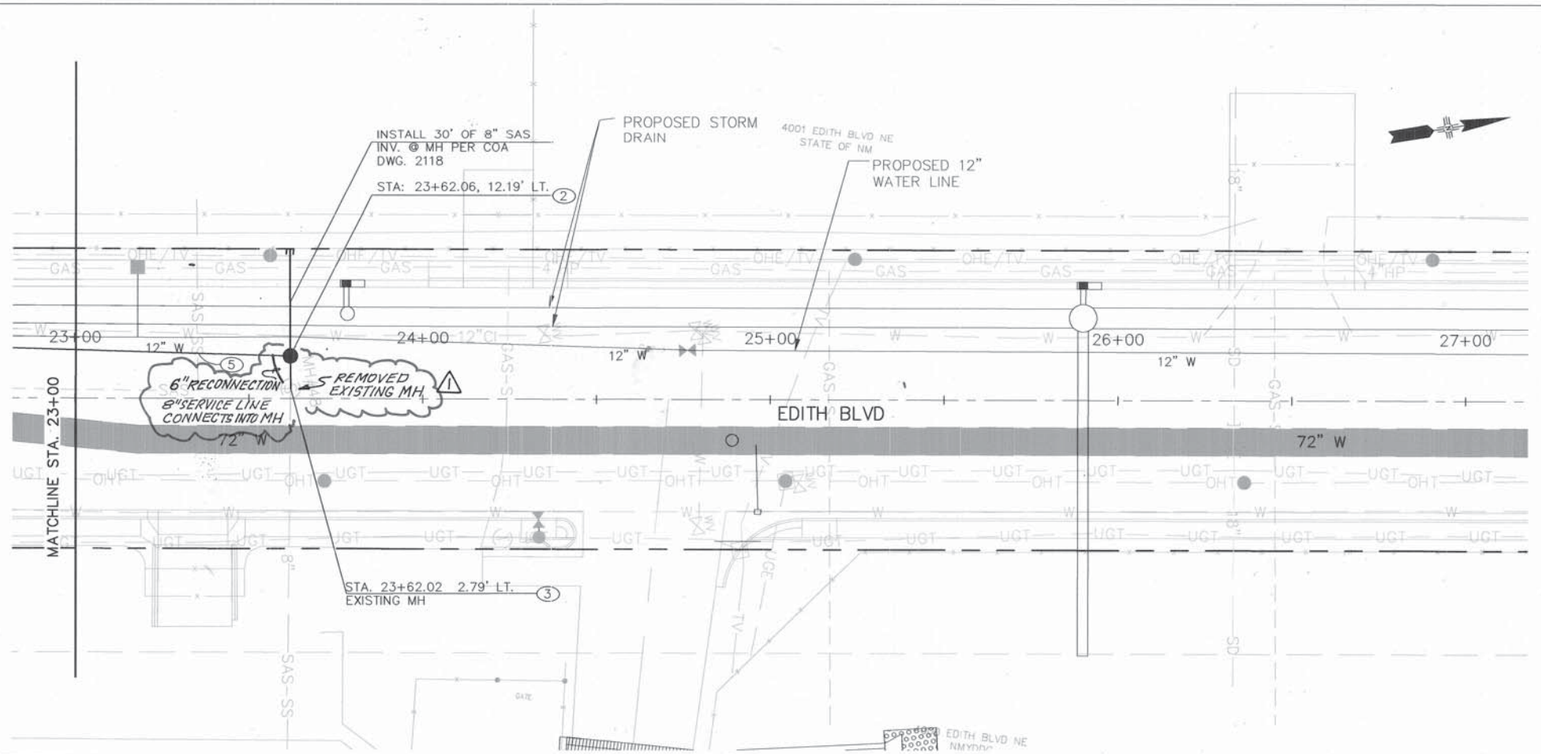
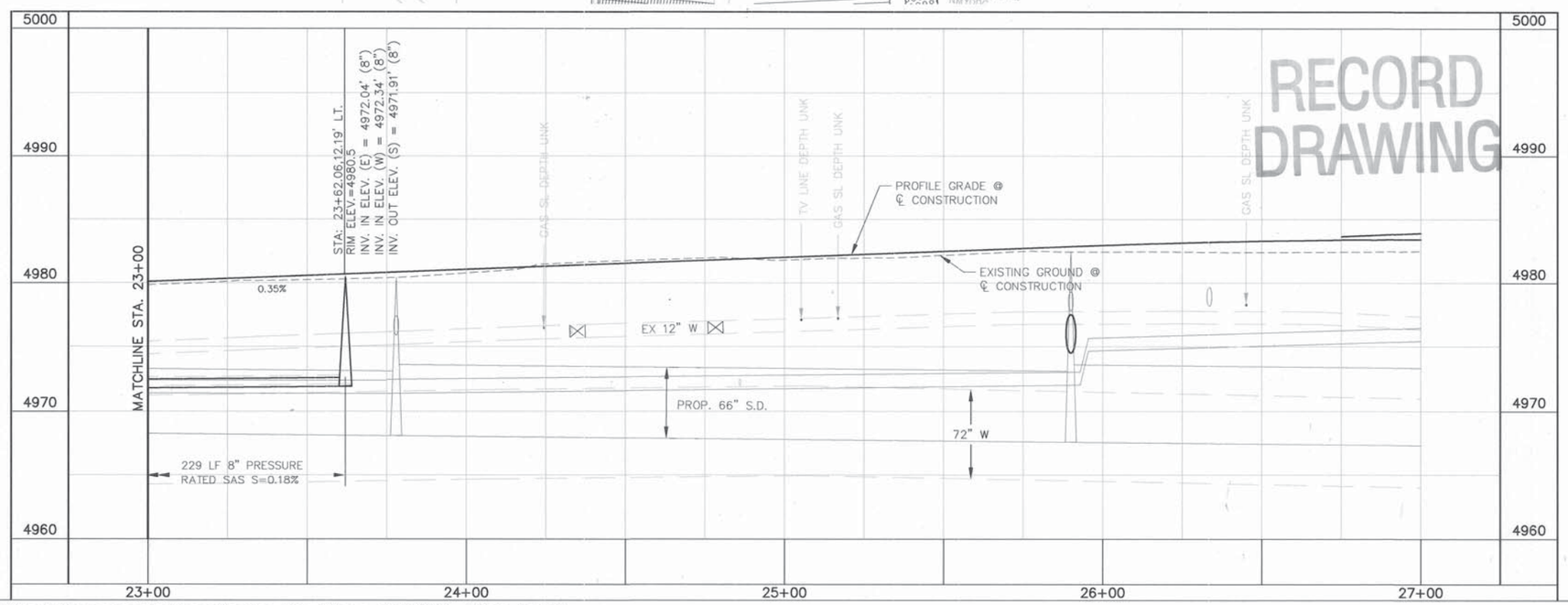
Addendum 1





GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER ALONG THE HORIZONTAL.

KEYED NOTES:

(1) CONSTRUCT 4' DIA. MANHOLE, TYPE C PER C.O.A. STANDARD DWG. NO. 2101. SEE SHEET 16–1.

(2) CONSTRUCT 4' DIA. MANHOLE, TYPE C OR TYPE E, PER C.O.A. STANDARD DWG. NO. 2101 OR 2102. SEE SHEET 16–1.

(3) CONNECT TO EXISTING MANHOLE OR PIPE. CONTRACTOR IS TO VERIFY INVERT ELEVATION IN THE FIELD PRIOR TO CONSTRUCTION.

(4) CONSTRUCT SAS SERVICE LINE PER C.O.A. STANDARD DWG. NO 2125. SEE SHEET 16–2.

(5) RECONNECT EXISTING SAS SERVICE. SEE C.O.A. DWG. 2134, SHEET 16–2.

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STARTED BY Sauer/Musgrave DATE
WORK COMPLETED BY BCDWD 1/09 DATE
INSPECTOR'S FIELD CHANGE BY BCDWD 1/09 DATE
FIELD VERIFICATION BY BCDWD 1/09 DATE
AS-BUILTS REVIEWED BY P.B. 6/09 DATE
CORRECTED BY MICRO-FILM INFORMATION DATE
RECORDED BY
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JAMES H. BOGNAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	04/09	REVISED SAS	VRV

DESIGN
DESIGNED BY TWTK DATE 08/01/07
DRAWN BY TWTK DATE 08/01/07
CHECKED BY DCM DATE 08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD SANITARY SEWER

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F–15, G–15	11–5

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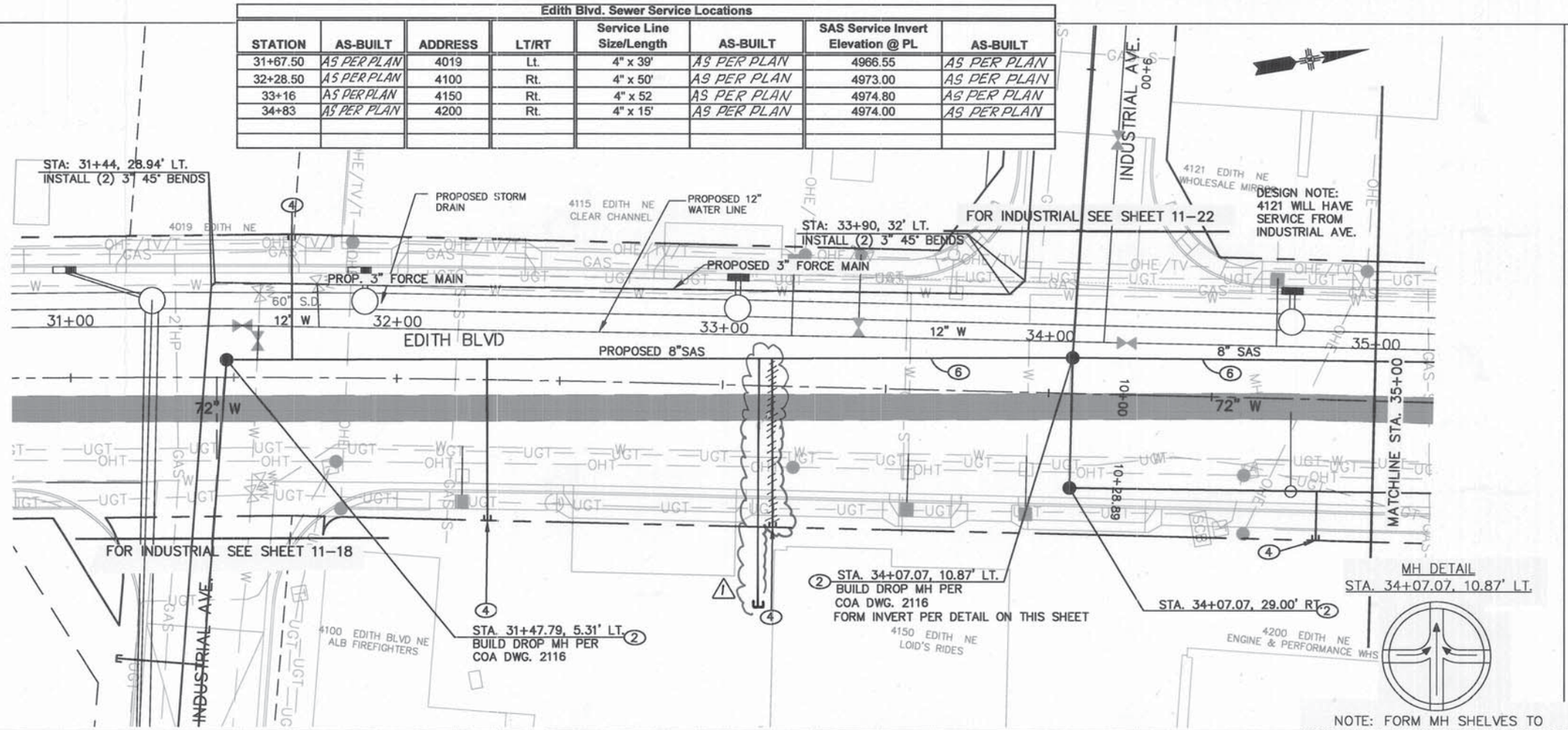
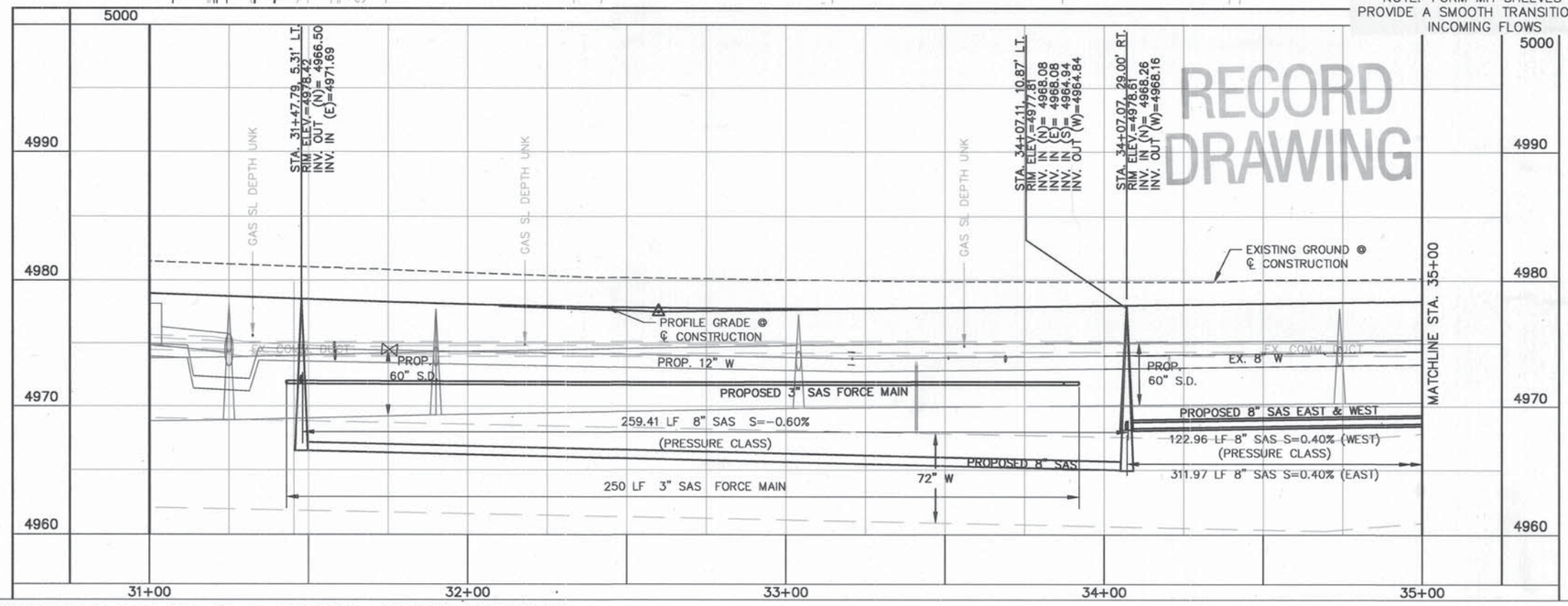
Edith Blvd. Sewer Service Locations

STATION	AS-BUILT	ADDRESS	LT/RT	Service Line Size/Length	AS-BUILT	SAS Service Invert Elevation @ PL	AS-BUILT
31+67.50	AS PER PLAN	4019	Lt.	4" x 39'	AS PER PLAN	4966.55	AS PER PLAN
32+28.50	AS PER PLAN	4100	Rt.	4" x 50'	AS PER PLAN	4973.00	AS PER PLAN
33+16	AS PER PLAN	4150	Rt.	4" x 52	AS PER PLAN	4974.80	AS PER PLAN
34+83	AS PER PLAN	4200	Rt.	4" x 15'	AS PER PLAN	4974.00	AS PER PLAN





GRAPHIC SCALE

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GENERAL NOTES

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4. CONSTRUCT SAS SERVICE LINE PER C.O.A. STANDARD DWG. NO 2125. SEE SHEET 16-2.
5. RECONNECT EXISTING SAS SERVICE. SEE C.O.A. DWG. 2134, SHEET 16-2.
6. BUILD GREEN PRESSURE CLASS SAS STA. 31+47.79 TO STA. 35+30.03 LT.

AS BUILT INFORMATION
CONTRACTOR A.S. HARNER
WORK STAKED BY Smart, Muller 4/08 DATE
ACCEPTANCE BY BCPWD 4/09 DATE
FIELD VERIFICATION BY BCPWD 4/09 DATE
DRAWINGS CORRECTED BY P.B. 9/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	04/09	REVISED SAS	

DESIGN

DESIGNED BY	TWTK	DATE	08/01/07
DRAWN BY	TWTK	DATE	08/01/07
CHECKED BY	DCM	DATE	08/01/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD SANITARY SEWER

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	11-6

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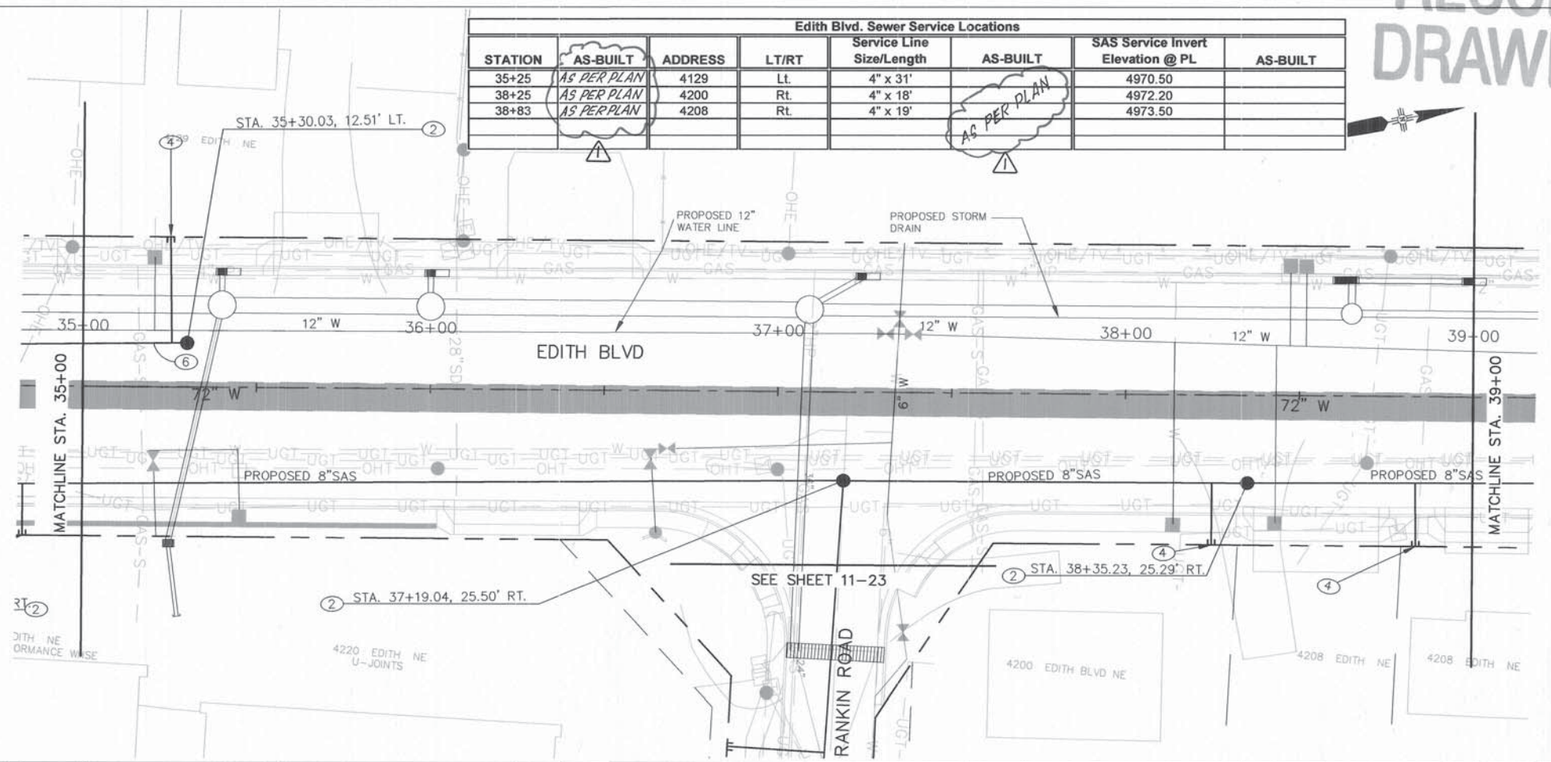
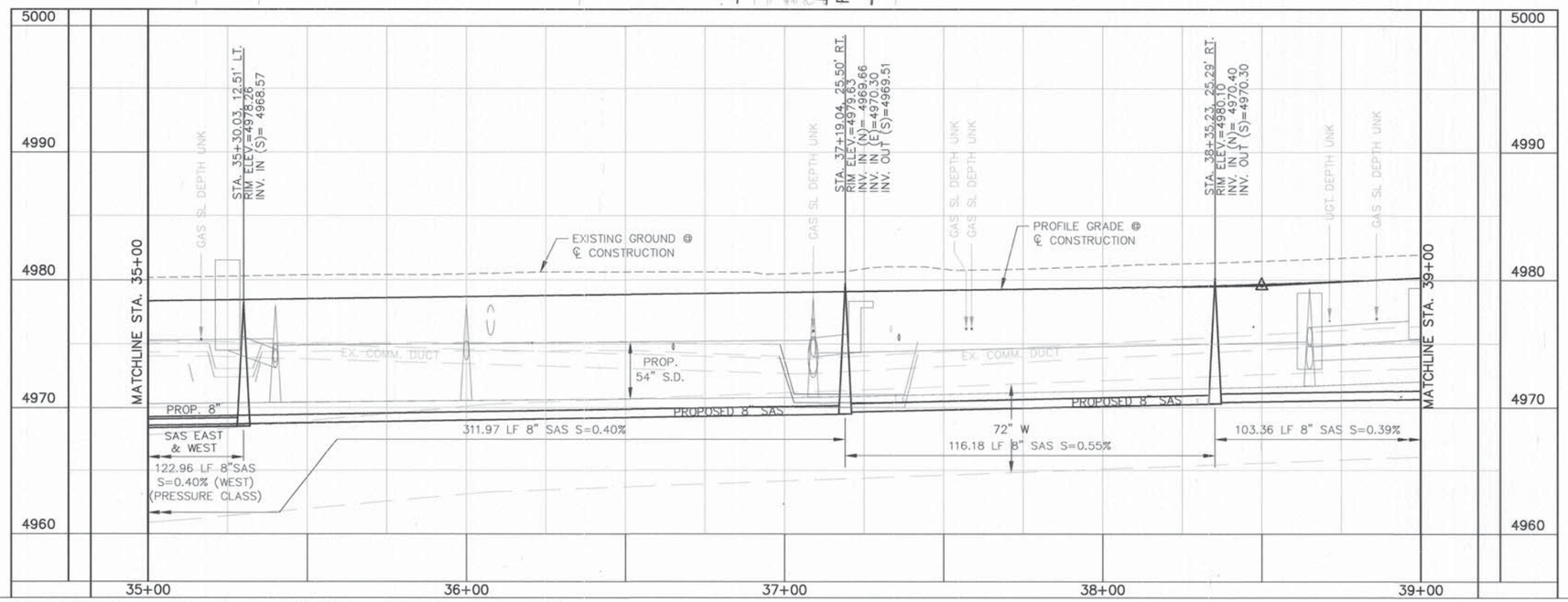
RECORD DRAWING

Edith Blvd. Sewer Service Locations							
STATION	AS-BUILT	ADDRESS	LT/RT	Service Line Size/Length	AS-BUILT	SAS Service Invert Elevation @ PL	AS-BUILT
35+25	AS PER PLAN	4129	Lt.	4" x 31'		4970.50	
38+25	AS PER PLAN	4200	Rt.	4" x 18'		4972.20	
38+83	AS PER PLAN	4208	Rt.	4" x 19'		4973.50	





GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
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GENERAL NOTES

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6. BUILD GREEN PRESSURE CLASS SAS STA. 31+47.79 TO STA. 35+30.03 LT.

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER DATE
WORK STAKED BY SOUTHWEST MILLER 3/09 DATE
INSPECTOR'S FIELD CHANGES BY BCDWD 3/09 DATE
VERIFICATION BY BCDWD 3/09 DATE
ENGINEER'S CORRECTIONS BY P.B. 3/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

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NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. PUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	04/09	SEWER SERVICE LOCATIONS	VRV

DESIGN
DESIGNED BY TWTK DATE 08/01/07
DRAWN BY TWTK DATE 08/01/07
CHECKED BY DCM DATE 08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD SANITARY SEWER

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	11-7

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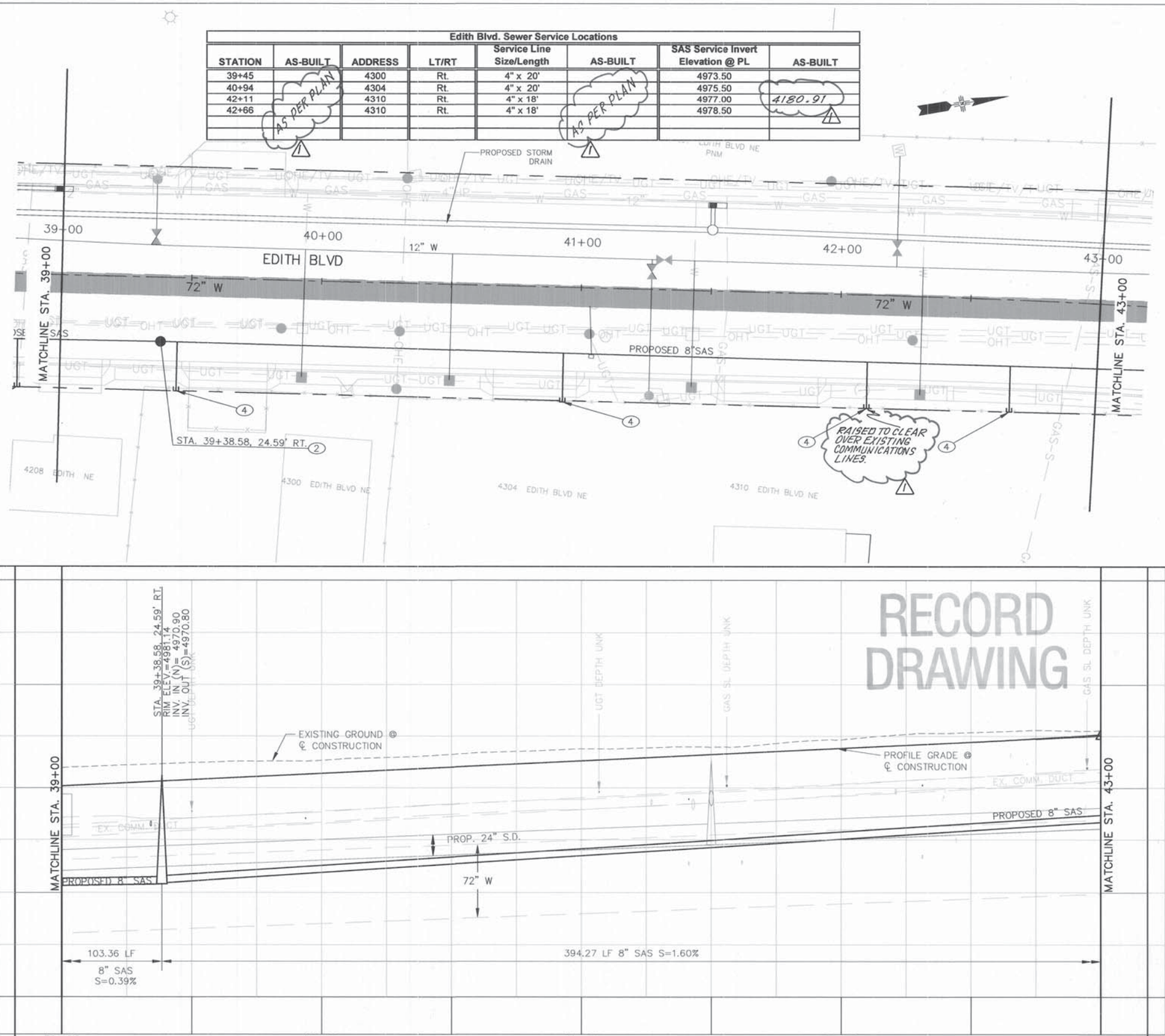
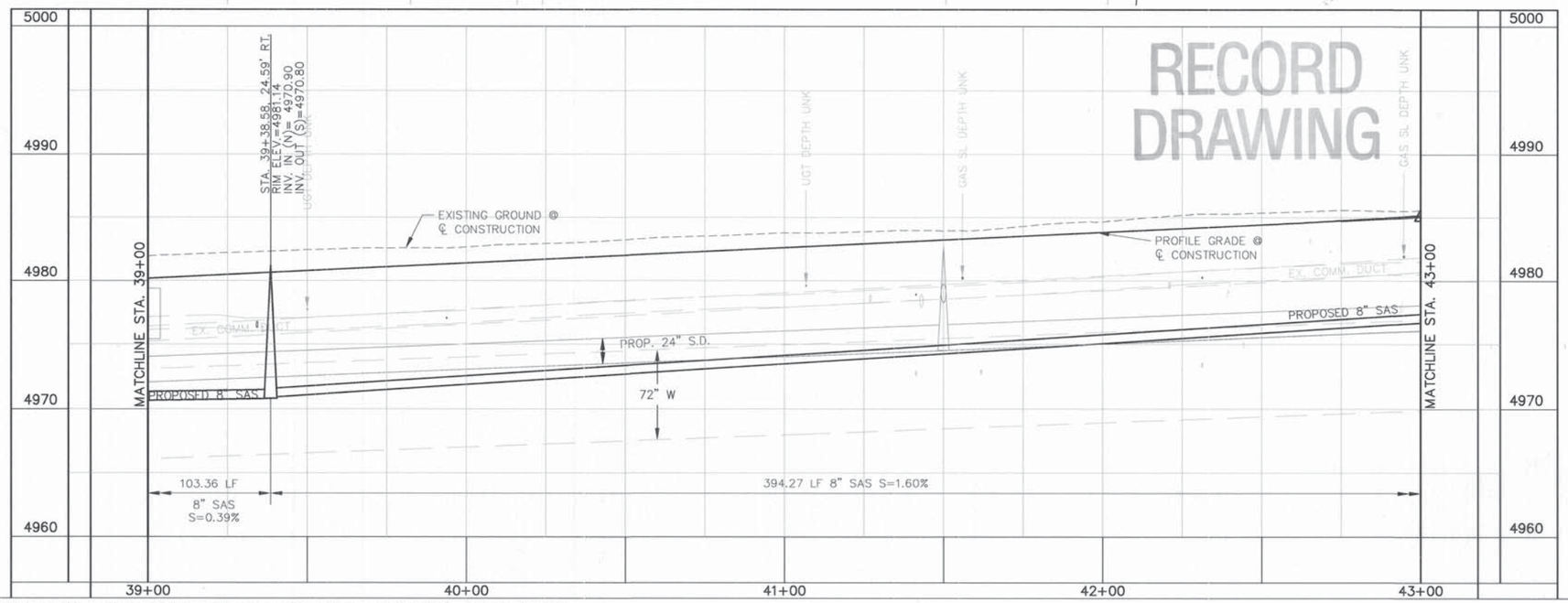
Edith Blvd. Sewer Service Locations							
STATION	AS-BUILT	ADDRESS	LT/RT	Service Line Size/Length	AS-BUILT	SAS Service Invert Elevation @ PL	AS-BUILT
39+45		4300	Rt.	4" x 20'		4973.50	
40+94		4304	Rt.	4" x 20'		4975.50	
42+11		4310	Rt.	4" x 18'		4977.00	
42+66		4310	Rt.	4" x 18'		4978.50	





GRAPHIC SCALE

20 0 10 20 40

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(2) CONSTRUCT 4' DIA. MANHOLE, TYPE C OR TYPE E, PER C.O.A. STANDARD DWG. NO. 2101 OR 2102. SEE SHEET 16–1.

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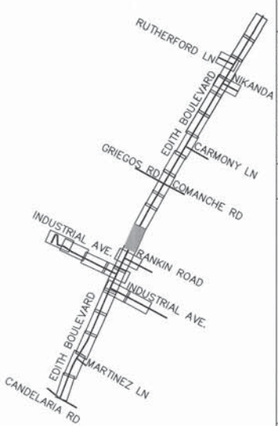
(4) CONSTRUCT SAS SERVICE LINE PER C.O.A. STANDARD DWG. NO 2125. SEE SHEET 16–2.

(5) RECONNECT EXISTING SAS SERVICE. SEE C.O.A. DWG. 2134, SHEET 16–2.



PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HOKNER
WORK STAKED BY Sauser Miller 7-09 DATE
INSPECTOR'S FIELD CHANGES BY BDPhD 7-09 DATE
FIELD VERIFICATION BY BDPhD 7-09 DATE
DRAWING CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES BY DATE

NO.	DATE	REMARKS	BY
1	04/09	REVISED SAS	VRV

DESIGN

DESIGNED BY	TWTK	08/01/07
DRAWN BY	TWTK	08/01/07
CHECKED BY	DCM	08/01/07

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

EDITH BOULEVARD SANITARY SEWER

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	11–8

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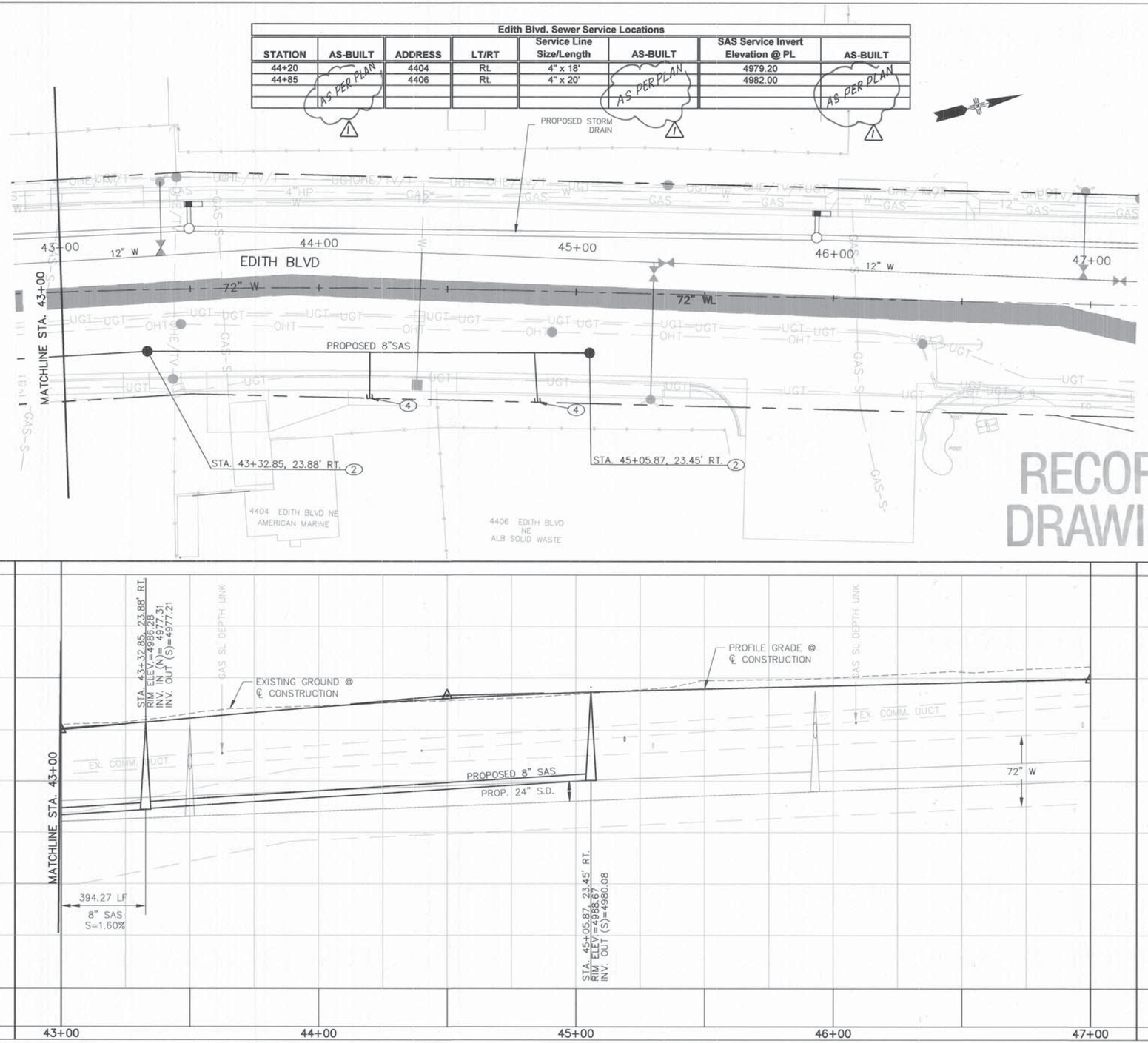
Edith Blvd. Sewer Service Locations							
STATION	AS-BUILT	ADDRESS	LT/RT	Service Line Size/Length	AS-BUILT	SAS Service Invert Elevation @ PL	AS-BUILT
44+20		4404	Rt.	4" x 18'		4979.20	
44+85		4406	Rt.	4" x 20'		4982.00	



RECORD DRAWING

GRAPHIC SCALE

20 0 10 20 40

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5. RECONNECT EXISTING SAS SERVICE. SEE C.O.A. DWG. 2134, SHEET 16-2.

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HARVER DATE
WORK START BY SAUER MILLER 1/08 DATE
INSPECTION BY BCPWD 1/09 DATE
FIELD FINAL BY BCPWD 1/09 DATE
VERIFICATION BY BCPWD 1/09 DATE
AS-BUILT MARKINGS CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

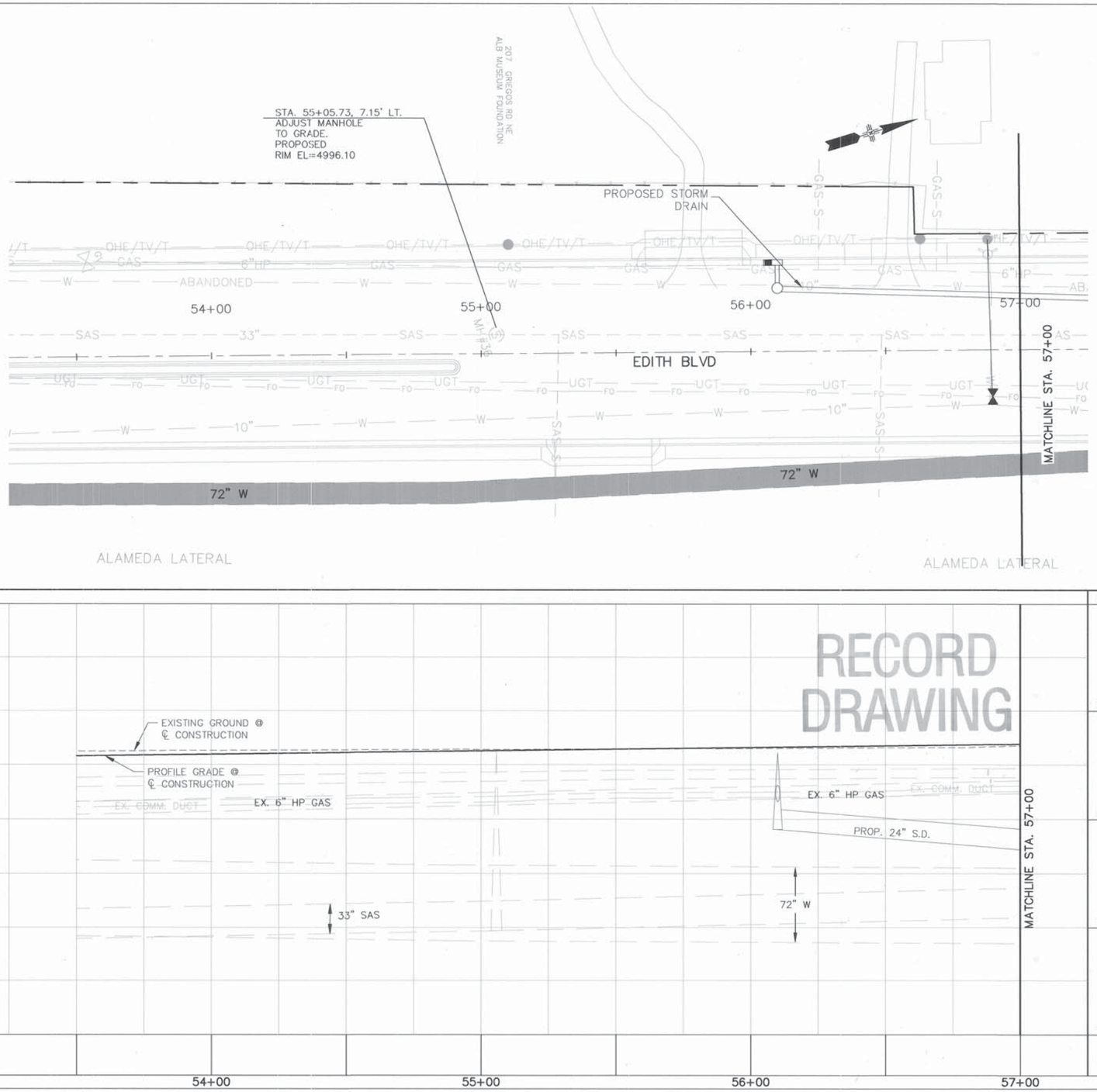
NO.	DATE	SEWER SERVICE LOCATIONS REMARKS	DESIGNED BY	DRAWN BY	CHECKED BY
1	04/09	VRV	TWTK	TWTK	DCM
		BY	DATE	DATE	DATE
			08/01/07	08/01/07	08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD SANITARY SEWER

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	11-9



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5. RECONNECT EXISTING SAS SERVICE. SEE C.O.A. DWG. 2134, SHEET 16-2.

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR AS: HOKNER
WORK STAKED BY: SOUDER, MILLER & ASSOC. DATE 1/08
INSPECTORS ACCEPTANCE BY: BCPWD 1/09 DATE
FIELD VERIFICATION BY: BCPWD 1/09 DATE
DRAWING CORRECTED BY: P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

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SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCHMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY TWTK DATE 08/01/07	
		DRAWN BY TWTK DATE 08/01/07	
		CHECKED BY DCM DATE 08/01/07	

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD SANITARY SEWER

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	11-10

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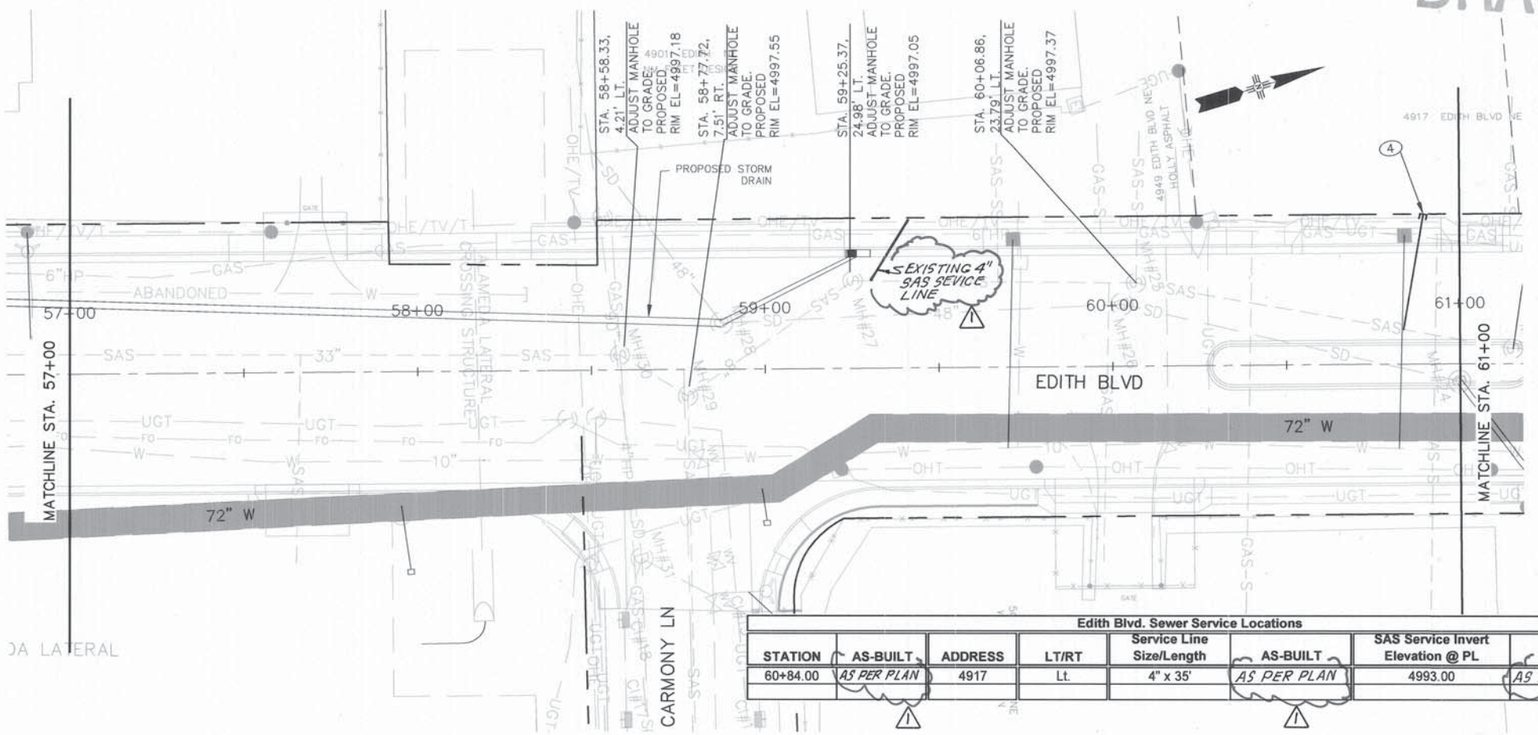
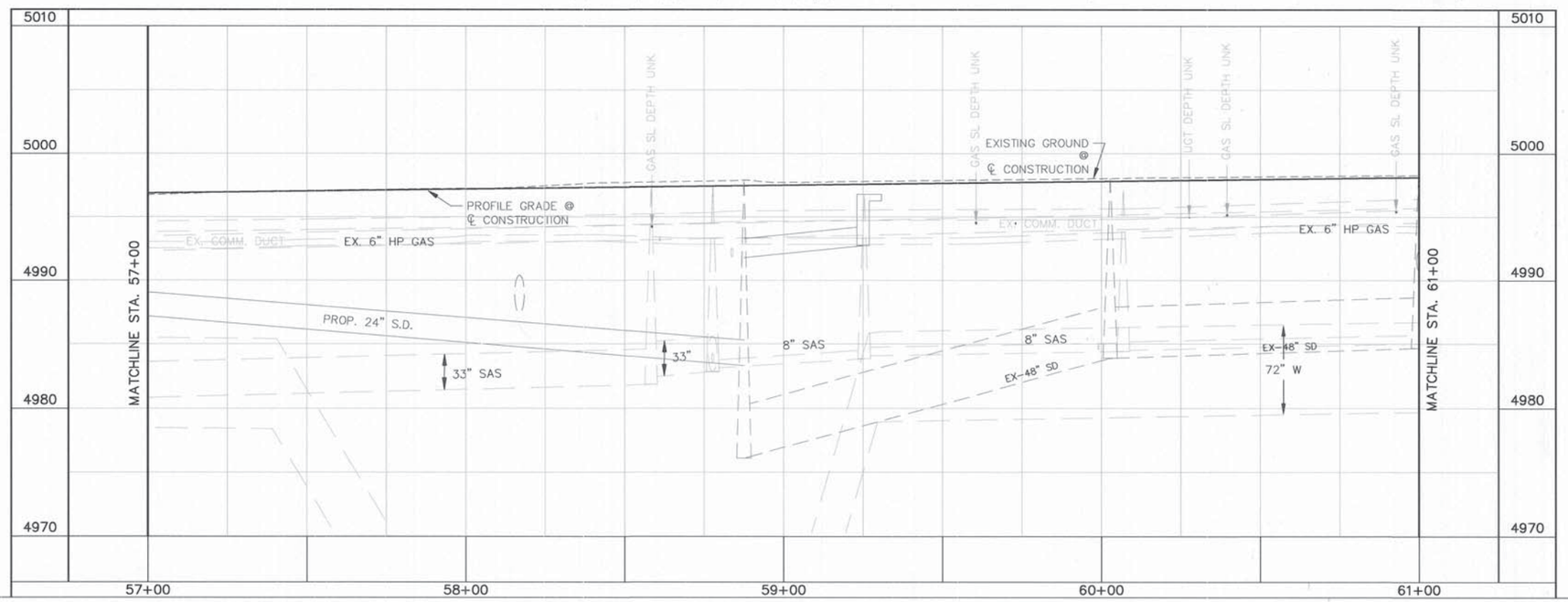
RECORD DRAWING



Edith Blvd. Sewer Service Locations							
STATION	AS-BUILT	ADDRESS	LT/RT	Service Line Size/Length	AS-BUILT	SAS Service Invert Elevation @ PL	AS-BUILT
60+84.00	AS PER PLAN	4917	Lt.	4" x 35'	AS PER PLAN	4993.00	AS PER PLAN



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AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNYDER MILLER 1/08 DATE
INSPECTOR'S FIELD NOTES BY BCPWD 1/09 DATE
FIELD VERIFICATION BY BCPWD 1/09 DATE
DRAWING CORRECTED BY P.B. 3/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
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NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	04/09	REVISED SAS	JRV

DESIGN
DESIGNED BY TWTK DATE 08/01/07
DRAWN BY TWTK DATE 08/01/07
CHECKED BY DCM DATE 08/01/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD SANITARY SEWER

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	11-11

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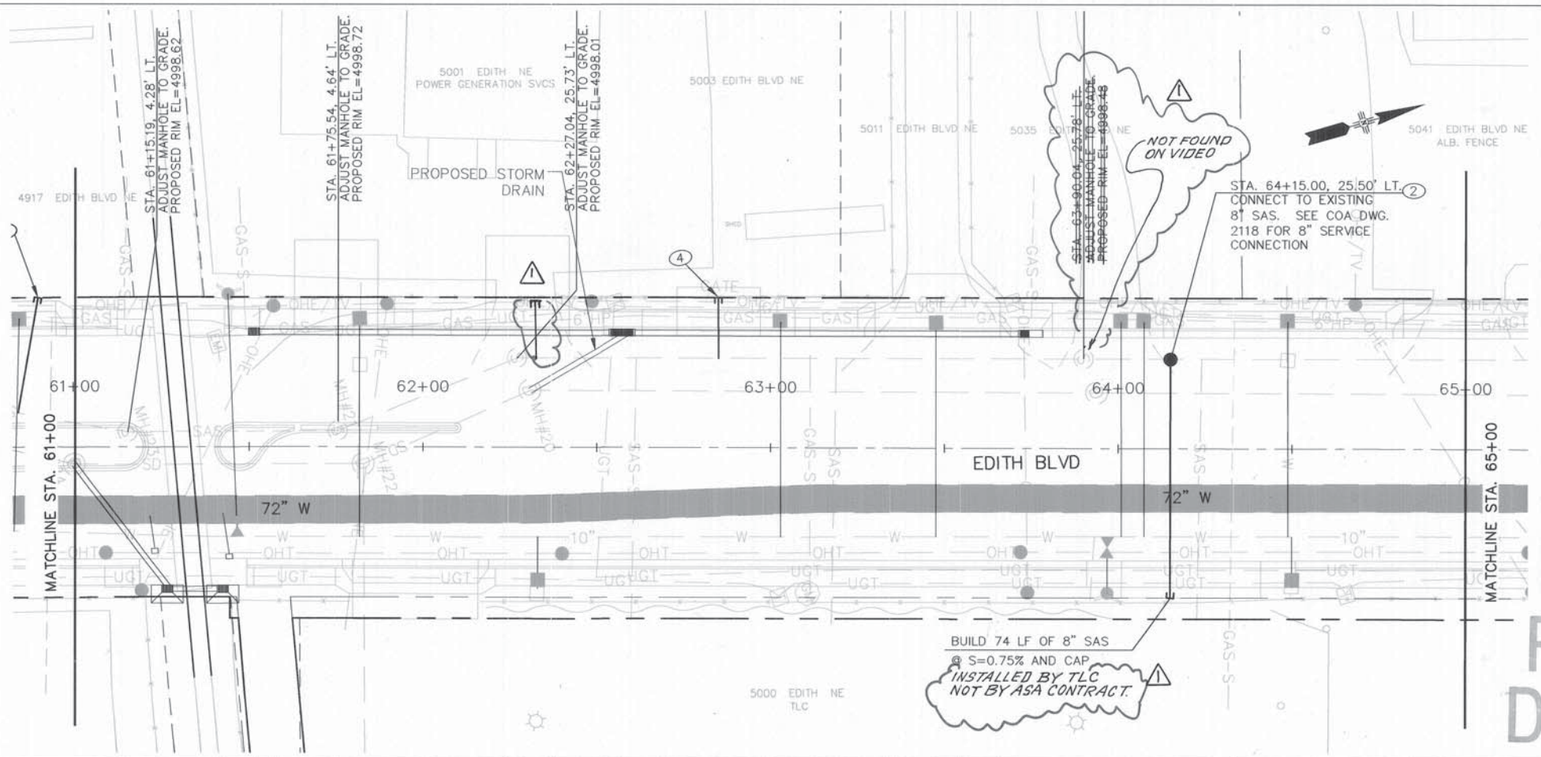
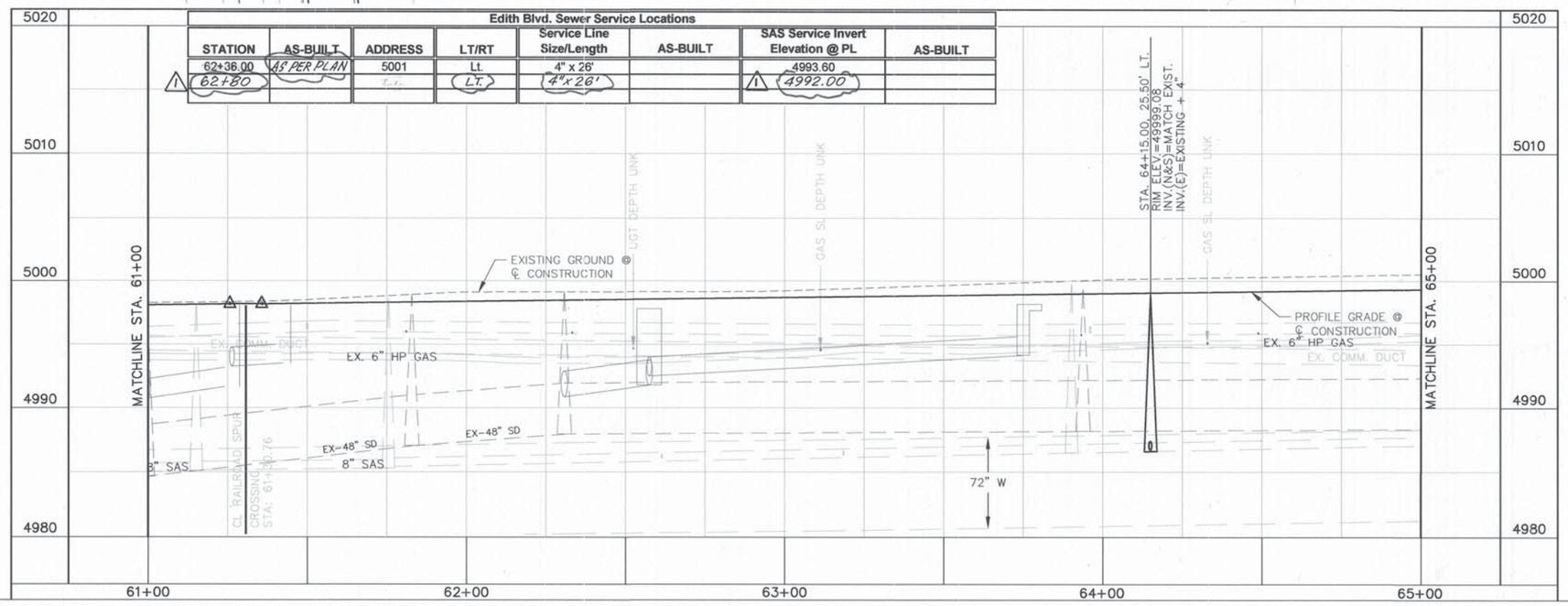


Edith Blvd. Sewer Service Locations							
STATION	AS-BUILT	ADDRESS	LT/RT	Service Line Size/Length	AS-BUILT	SAS Service Invert Elevation @ PL	AS-BUILT
62+36.00	AS PER PLAN	5001	Lt.	4" x 26'		4993.60	
1 62+80			LT.	4"x 26'		1 4992.00	



GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER ALONG THE HORIZONTAL.

KEYED NOTES:

1. CONSTRUCT 4' DIA. MANHOLE, TYPE C, PER C.O.A. STANDARD DWG. NO. 2101. SEE SHEET 16-1.
2. CONSTRUCT 4' DIA. MANHOLE, TYPE C OR TYPE E, PER C.O.A. STANDARD DWG. NO. 2101 OR 2102. SEE SHEET 16-1.
3. CONNECT TO EXISTING MANHOLE OR PIPE. CONTRACTOR IS TO VERIFY INVERT ELEVATION IN THE FIELD PRIOR TO CONSTRUCTION.
4. CONSTRUCT SAS SERVICE LINE PER C.O.A. STANDARD DWG. NO 2125. SEE SHEET 16-2.
5. RECONNECT EXISTING SAS SERVICE. SEE C.O.A. DWG. 2134, SHEET 16-2.

RECORD DRAWING

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STARTED BY SUPER MILLER 5/6/09 DATE
INSPECTORS FIELD BOOK(S) BJPWD 1/09 DATE
VERIFICATION BY BJPWD 1/09 DATE
CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BUSHMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	04/09	REVISED SAS	VRV

		DESIGN	DATE
DESIGNED BY	TWTK		08/01/07
DRAWN BY	TWTK		08/01/07
CHECKED BY	DCM		08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD SANITARY SEWER

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	11-12

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Edith Blvd. Sewer Service Locations

STATION	AS-BUILT	ADDRESS	LT/RT	Service Line Size/Length	AS-BUILT	SAS Service Invert Elevation @ PL	AS-BUILT
67+10		5047	Lt.	4" x 18'		4993.70	
~~68+62.60~~	67+60	5100	Rt.	4" x 68'		~~4995.00~~	
67+60			RT.			4994.40	
65+62			RT.			4994.00	

MOVED TO 67+60

REMOVE AND DISPOSE OF EXISTING 8" SAS
5049 EDITH BLVD NE
ALL AMERICAN WASTE

5101 EDITH BLVD NE
ALB. GARAGE DOOR

(3) STA. 68+40.14, 24.63' LT.
ADJUST MH TO GRADE
CONNECT TO EXISTING MANHOLE

PROPOSED 8" SAS

6" SERVICE 68+00 LOCATED ON VIDEO. NO KNOWN ELEVATION STA. 67+53.14 APPOX. LT.

EDITH BLVD

72" W

10" W

MATCHLINE STA. 65+00

MATCHLINE STA. 69+00

65+00 66+00 67+00 68+00 69+00

5040 EDITH NE

5048 EDITH NE
AYALA

5100 EDITH BLVD NE
J&B TRAILER

EXISTING GROUND @ ℄ CONSTRUCTION

PROFILE GRADE @ ℄ CONSTRUCTION

STA. 68+40.14, 24.63' LT.
INV. ELEV.=4993.70
INV. IN (N)=4988.80
INV. OUT (S)=4988.75

EX. 6" HP GAS

EX. COMM. DUCT

EX-48" SD

8" SAS

72" W

265 LF
8" SAS
S=0.40%

5020 5010 5000 4990 4980

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER ALONG THE HORIZONTAL.

KEYED NOTES:

(1) CONSTRUCT 4' DIA. MANHOLE, TYPE C, PER C.O.A. STANDARD DWG. NO. 2101. SEE SHEET 16-1.

(2) CONSTRUCT 4' DIA. MANHOLE, TYPE C OR TYPE E, PER C.O.A. STANDARD DWG. NO. 2101 OR 2102. SEE SHEET 16-1.

(3) CONNECT TO EXISTING MANHOLE OR PIPE. CONTRACTOR IS TO VERIFY INVERT ELEVATION IN THE FIELD PRIOR TO CONSTRUCTION.

(4) CONSTRUCT SAS SERVICE LINE PER C.O.A. STANDARD DWG. NO 2125. SEE SHEET 16-2.

(5) RECONNECT EXISTING SAS SERVICE. SEE C.O.A. DWG. 2134, SHEET 16-2.

RECORD DRAWING

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HAMNER
WORK STARTED BY Super Miller 1/08 DATE
WORK ACCEPTANCE BY BCPWD 1/09 DATE
FIELD VERIFICATION BY BCPWD 1/09 DATE
DRAWINGS CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on sold drop inlet.
NGVD 29 Elev. = 4984.00'

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	04/09	REVISED SAS	VRV

DESIGN
DESIGNED BY TWTK DATE 08/01/07
DRAWN BY TWTK DATE 08/01/07
CHECKED BY DCM DATE 08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD SANITARY SEWER

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 11-13

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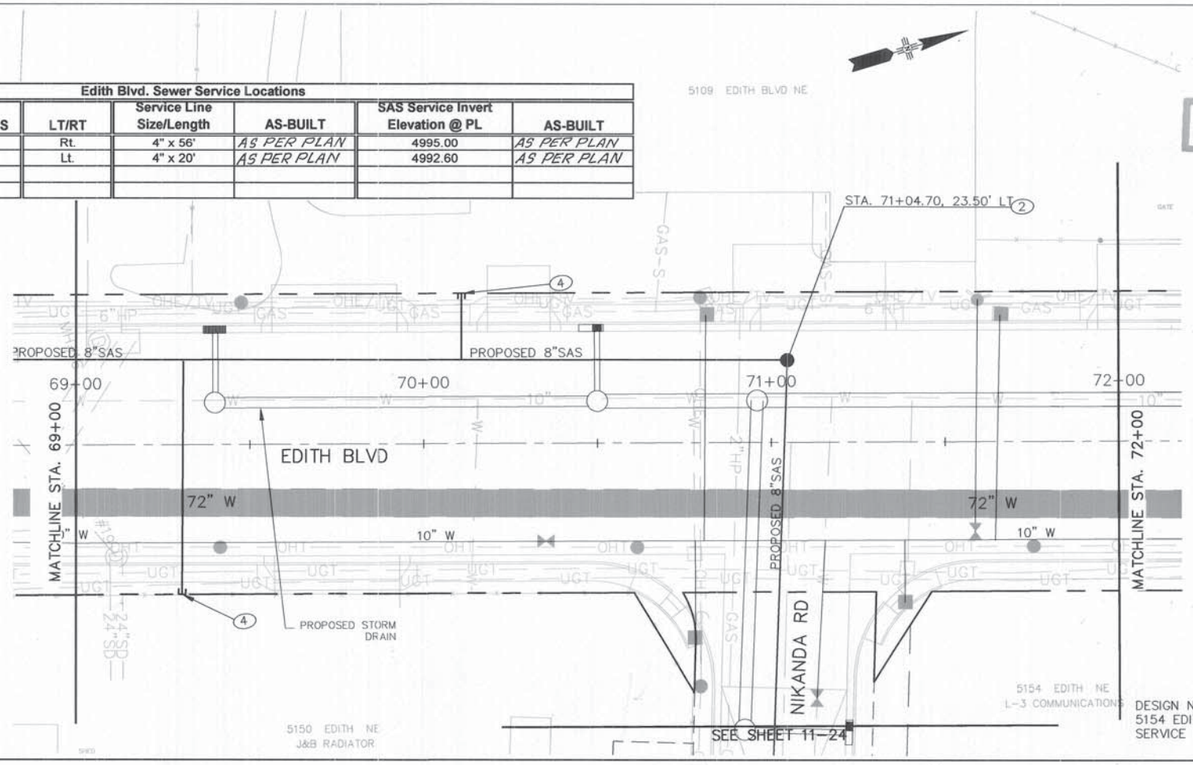
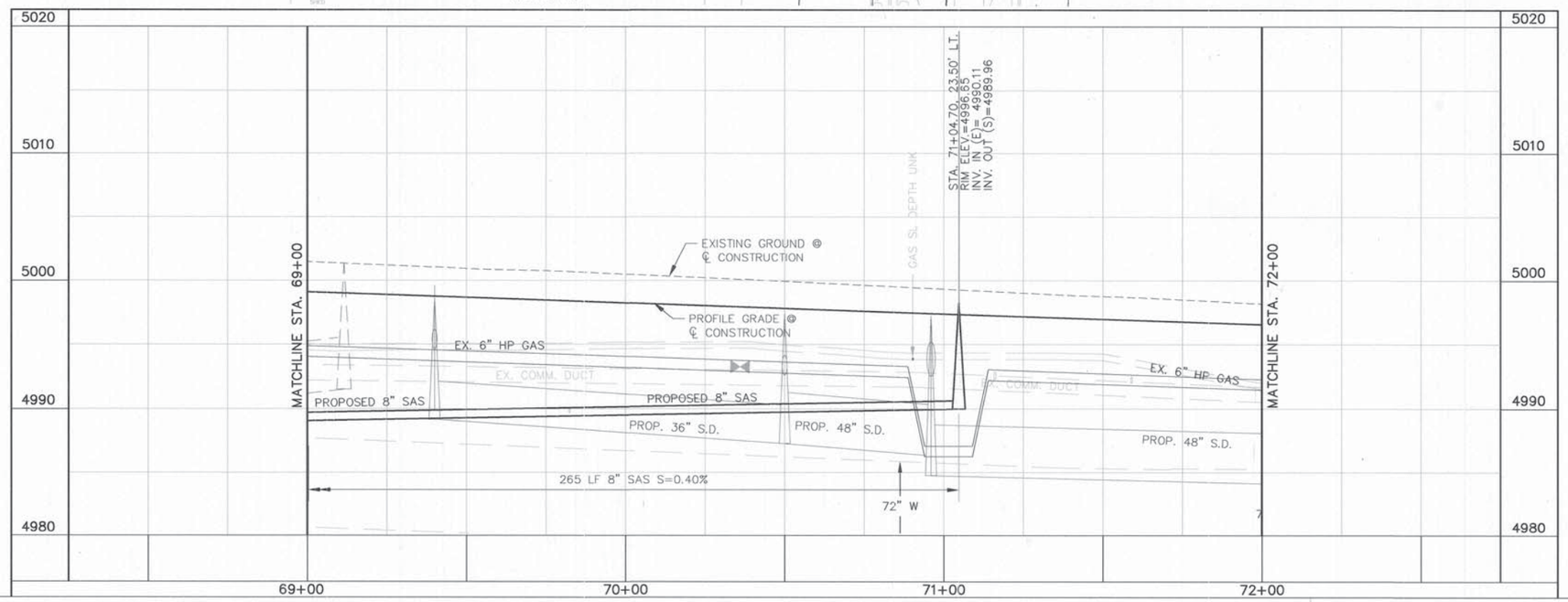
RECORD DRAWING

Edith Blvd. Sewer Service Locations							
STATION	AS-BUILT	ADDRESS	LT/RT	Service Line Size/Length	AS-BUILT	SAS Service Invert Elevation @ PL	AS-BUILT
69+30	AS PER PLAN	5150	Rt.	4" x 56'	AS PER PLAN	4995.00	AS PER PLAN
70+11	AS PER PLAN	5109	Lt.	4" x 20'	AS PER PLAN	4992.60	AS PER PLAN



DESIGN NOTE:
5154 EDITH WILL HAVE FUTURE SERVICE FROM NIKANDA RD.



GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
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GENERAL NOTES

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KEYED NOTES:

1. CONSTRUCT 4' DIA. MANHOLE, TYPE C, PER C.O.A. STANDARD DWG. NO. 2101. SEE SHEET 16-1.
2. CONSTRUCT 4' DIA. MANHOLE, TYPE C OR TYPE E, PER C.O.A. STANDARD DWG. NO. 2101 OR 2102. SEE SHEET 16-1.
3. CONNECT TO EXISTING MANHOLE OR PIPE. CONTRACTOR IS TO VERIFY INVERT ELEVATION IN THE FIELD PRIOR TO CONSTRUCTION.
4. CONSTRUCT SAS SERVICE LINE PER C.O.A. STANDARD DWG. NO 2125. SEE SHEET 16-2.
5. RECONNECT EXISTING SAS SERVICE. SEE C.O.A. DWG. 2134, SHEET 16-2.

AS BUILT INFORMATION
CONTRACTOR A.S. HARMER
WORK STAKED BY Souder, Miller 1/09 DATE
INSPECTOR'S FIELD CHANGES BY B.C.Pwd 1/09 DATE
VERIFICATION BY B.C.Pwd 1/09 DATE
CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet. ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
BY | DATE | NO.

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY TWTK	DATE 08/01/07
		DRAWN BY TWTK	DATE 08/01/07
		CHECKED BY DCM	DATE 08/01/07

PB Parsons 100 Years Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD SANITARY SEWER

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	11-14

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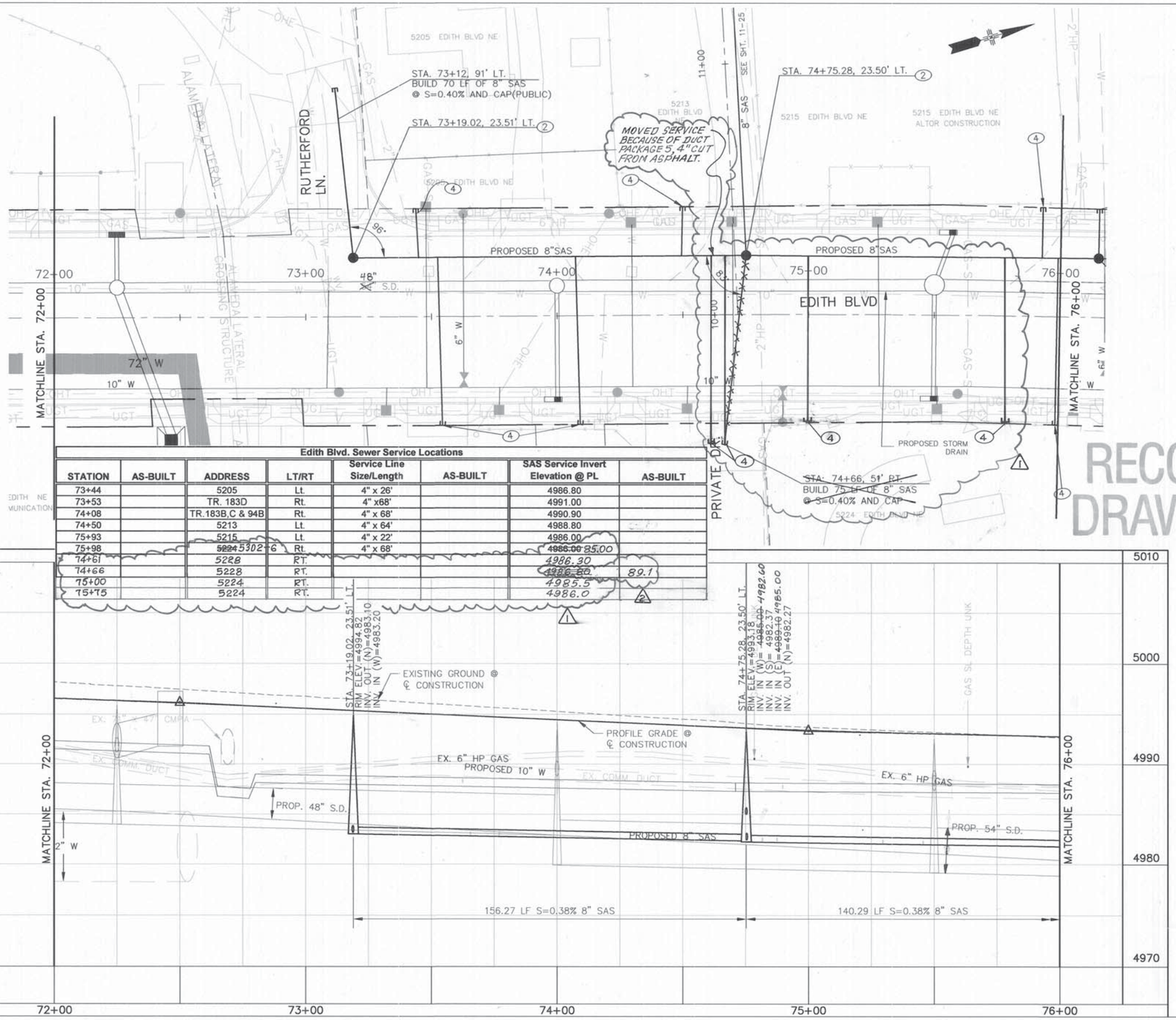

Edith Blvd. Sewer Service Locations

STATION	AS-BUILT	ADDRESS	LT/RT	Service Line Size/Length	AS-BUILT	SAS Service Invert Elevation @ PL	AS-BUILT
73+44		5205	Lt.	4" x 26'		4986.80	
73+53		TR. 183D	Rt.	4" x68'		4991.00	
74+08		TR.183B,C & 94B	Rt.	4" x 68'		4990.90	
74+50		5213	Lt.	4" x 64'		4988.80	
75+93		5215	Lt.	4" x 22'		4986.00	
75+98		~~5224~~ 5202-6	Rt.	4" x 68'		~~4986.00~~ 85.00	
74+61		5228	RT.			4986.30	
74+66		5228	RT.			~~4986.80~~	89.1
75+00		5224	RT.			4985.5	
75+75		5224	RT.			4986.0	

GRAPHIC SCALE

(IN FEET)
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VERT. SCALE: 1" = 5'

GENERAL NOTES

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(2) CONSTRUCT 4' DIA. MANHOLE, TYPE C OR TYPE E, PER C.O.A. STANDARD DWG. NO. 2101 OR 2102. SEE SHEET 16-1.

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(5) RECONNECT EXISTING SAS SERVICE. SEE C.O.A. DWG. 2134, SHEET 16-2.

RECORD DRAWING

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY Souder, Miller & Assoc. DATE
INSPECTIONS PERFORMED BY BCPWD 1/09 DATE
FIELD CHANGES BY BCPWD 1/09 DATE
VERIFICATION BY F.B. 5/09 DATE
AS-BUILTING CORRECTED BY MICRO-FILM INFORMATION DATE
RECORDED BY
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet. ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
4	04/09	SAS SERVICE INVERT EL. 4989.1	VRV
3	2/22/08	SERVICE REVISED	JB

DESIGN		DATE
DESIGNED BY	TWTK	08/01/07
DRAWN BY	TWTK	08/01/07
CHECKED BY	DCM	08/01/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD SANITARY SEWER

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	11-15

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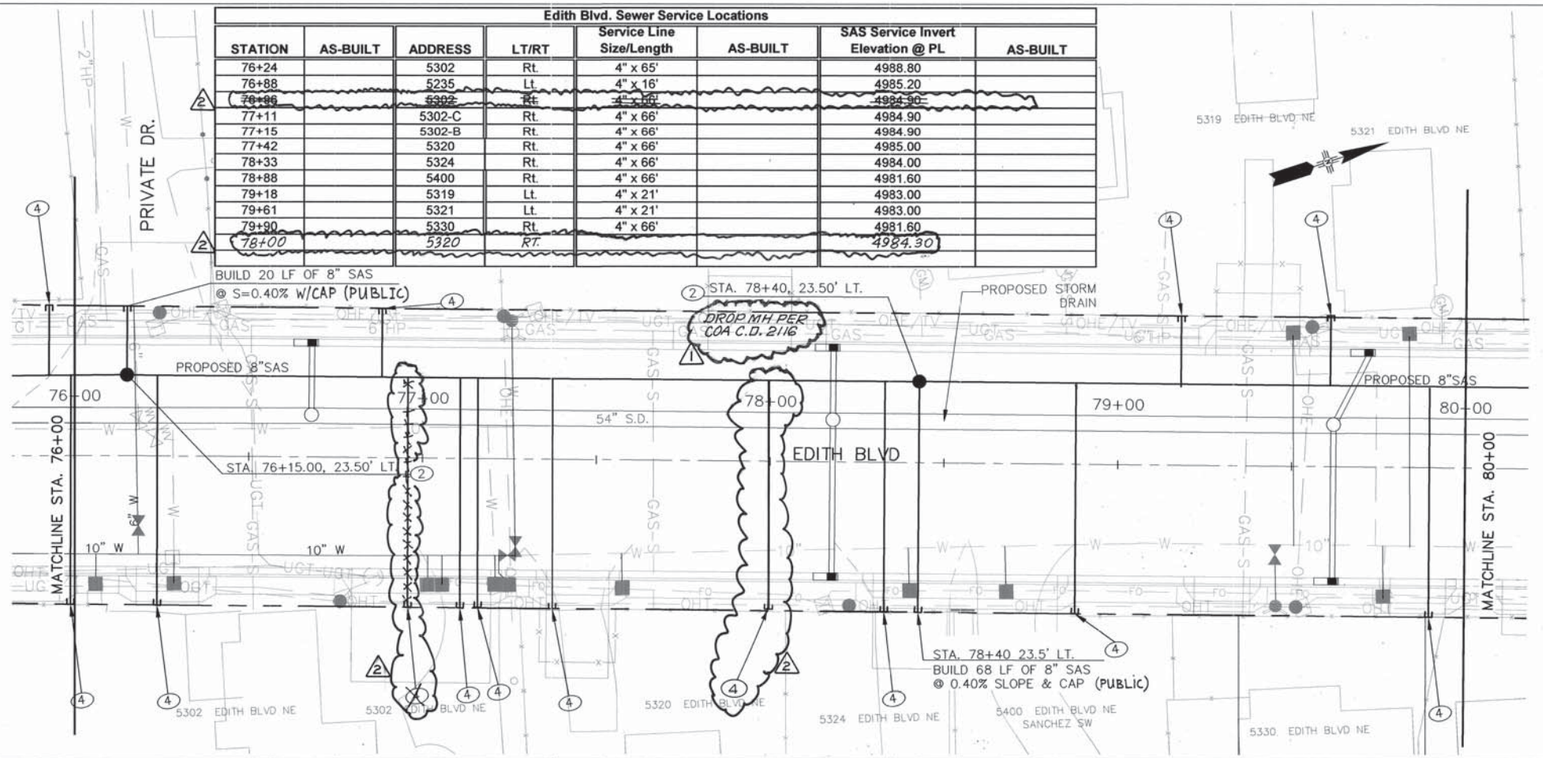
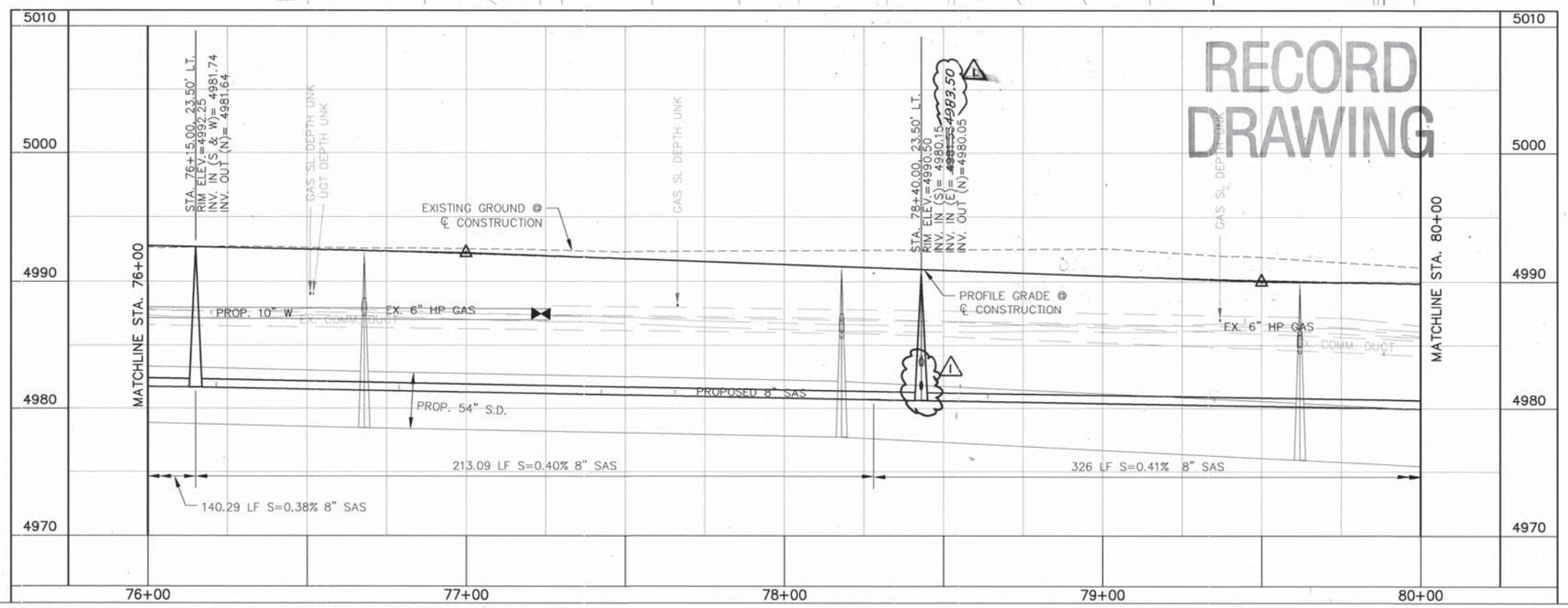
Edith Blvd. Sewer Service Locations

STATION	AS-BUILT	ADDRESS	LT/RT	Service Line Size/Length	AS-BUILT	SAS Service Invert Elevation @ PL	AS-BUILT
76+24		5302	Rt.	4" x 65'		4988.80	
76+88		5235	Lt.	4" x 16'		4985.20	
~~78+86~~		~~5302~~	~~Rt.~~	~~4" x 66'~~		~~4984.90~~	
77+11		5302-C	Rt.	4" x 66'		4984.90	
77+15		5302-B	Rt.	4" x 66'		4984.90	
77+42		5320	Rt.	4" x 66'		4985.00	
78+33		5324	Rt.	4" x 66'		4984.00	
78+88		5400	Rt.	4" x 66'		4981.60	
79+18		5319	Lt.	4" x 21'		4983.00	
79+61		5321	Lt.	4" x 21'		4983.00	
79+90		5330	Rt.	4" x 66'		4981.60	
78+00		5320	RT.			4984.30	





GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.

HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER ALONG THE HORIZONTAL.

KEYED NOTES:

(1) CONSTRUCT 4' DIA. MANHOLE, TYPE C, PER C.O.A. STANDARD DWG. NO. 2101. SEE SHEET 16-1.

(2) CONSTRUCT 4' DIA. MANHOLE, TYPE C OR TYPE E, PER C.O.A. STANDARD DWG. NO. 2101 OR 2102. SEE SHEET 16-1.

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(4) CONSTRUCT SAS SERVICE LINE PER C.O.A. STANDARD DWG. NO 2125. SEE SHEET 16-2.

(5) RECONNECT EXISTING SAS SERVICE. SEE C.O.A. DWG. 2134, SHEET 16-2.

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNIDER MILLER 1/08 DATE
INSPECTOR'S FIELD CHANGES BY BSPWD 1/09 DATE
VERIFICATION BY BSPWD 1/09 DATE
CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet. ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 9/14/07

NO.	DATE	REMARKS	BY	DESIGN	DATE
2	8/22/08	SERVICES REVISED	JHB	DESIGNED BY TWTK	08/01/07
1	4/20/07	INVERT REVISED	JHB	DRAWN BY TWTK	08/01/07
				CHECKED BY DCM	08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD SANITARY SEWER

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	11-16

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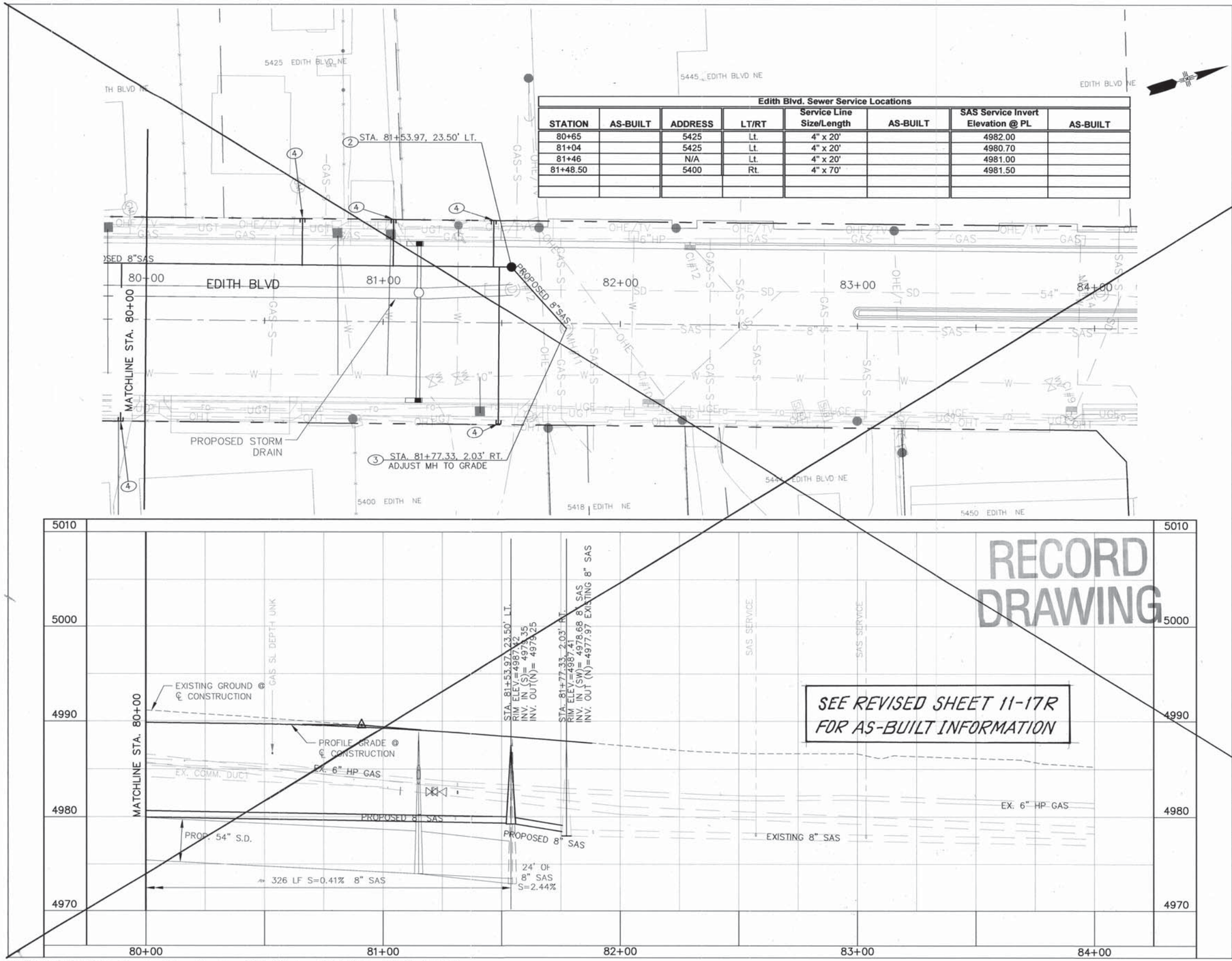

Edith Blvd. Sewer Service Locations

STATION	AS-BUILT	ADDRESS	LT/RT	Service Line Size/Length	AS-BUILT	SAS Service Invert Elevation @ PL	AS-BUILT
80+65		5425	Lt.	4" x 20'		4982.00	
81+04		5425	Lt.	4" x 20'		4980.70	
81+46		N/A	Lt.	4" x 20'		4981.00	
81+48.50		5400	Rt.	4" x 70'		4981.50	

RECORD DRAWING

SEE REVISED SHEET 11-17R FOR AS-BUILT INFORMATION

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

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KEYED NOTES:

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4. CONSTRUCT SAS SERVICE LINE PER C.O.A. STANDARD DWG. NO 2125. SEE SHEET 16-2.
5. RECONNECT EXISTING SAS SERVICE. SEE C.O.A. DWG. 2134, SHEET 16-2.

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTOR'S FIELD CHANGES BY — DATE
VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
JAMES H. BURNHAM — NEW MEXICO — 13062 — REGISTERED PROFESSIONAL ENGINEER — 8/1/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY TWTK	DATE 08/01/07
		DRAWN BY TWTK	DATE 08/01/07
		CHECKED BY DOM	DATE 08/01/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

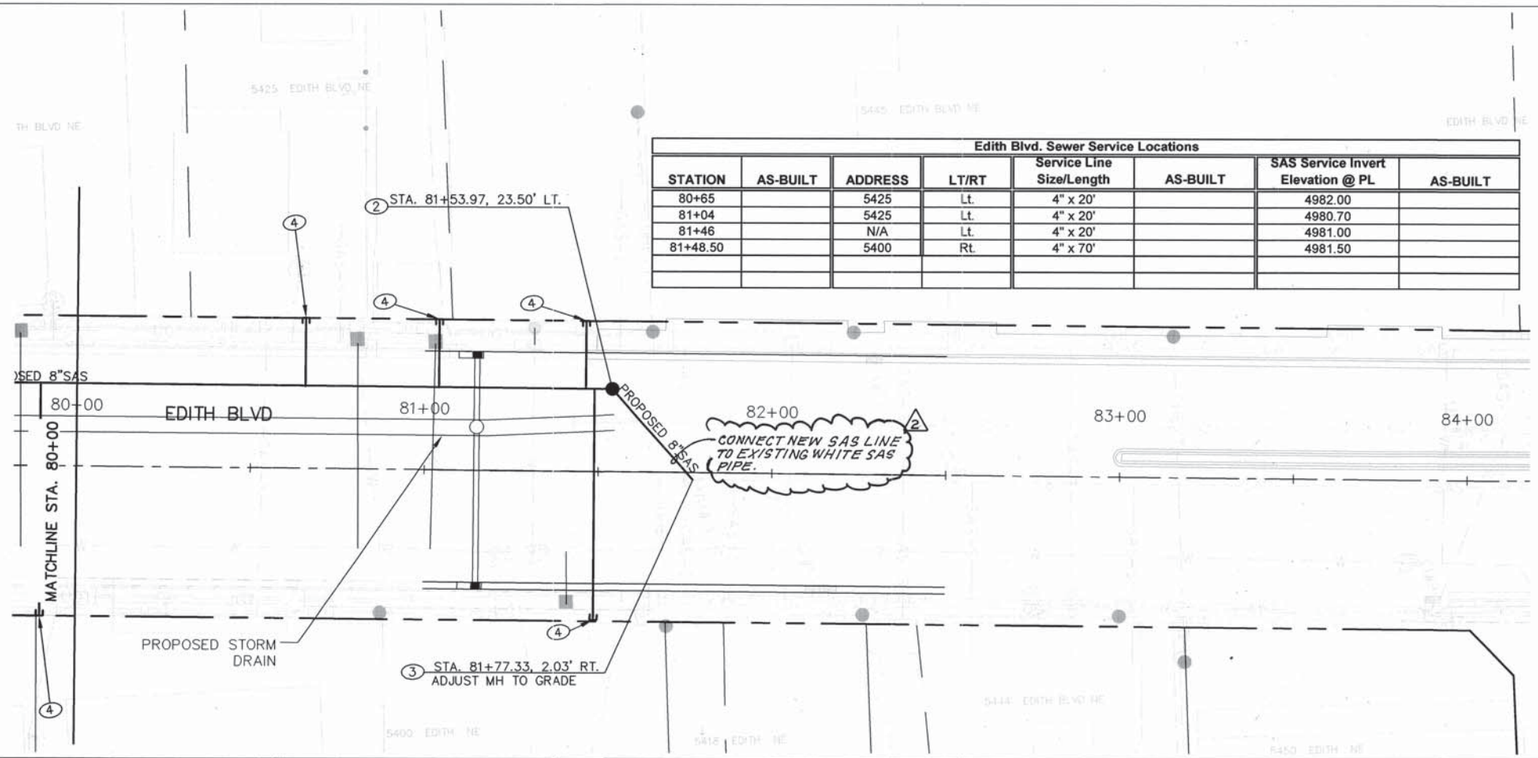
EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD SANITARY SEWER

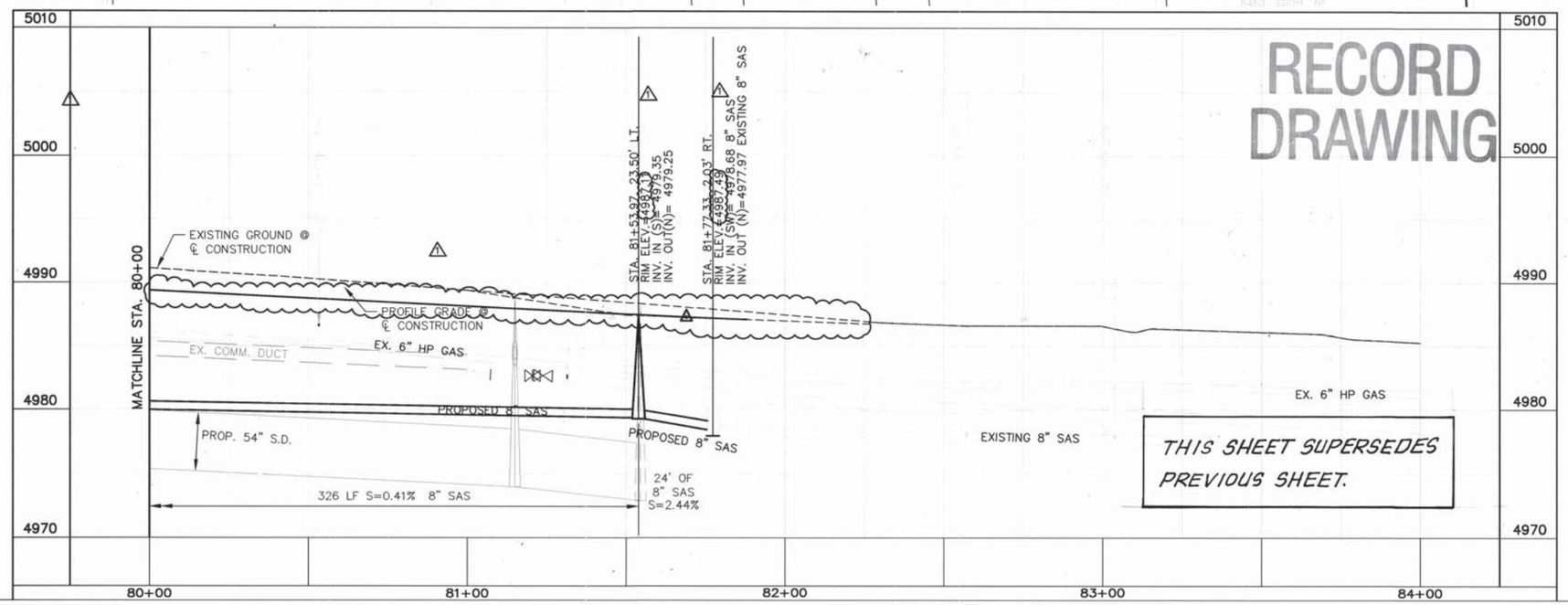
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 11-17

G:\33588_Edith\04 Engineering\Plans\Section 11\11 SAS.dwg 8/16/2007 3:56:27 PM MDT

Edith Blvd. Sewer Service Locations						
STATION	AS-BUILT	ADDRESS	LT/RT	Service Line Size/Length	AS-BUILT	SAS Service Invert Elevation @ PL	AS-BUILT
80+65		5425	Lt.	4" x 20'		4982.00	
81+04		5425	Lt.	4" x 20'		4980.70	
81+46		N/A	Lt.	4" x 20'		4981.00	
81+48.50		5400	Rt.	4" x 70'		4981.50	





GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER ALONG THE HORIZONTAL.

KEYED NOTES:

1. CONSTRUCT 4' DIA. MANHOLE, TYPE C, PER C.O.A. STANDARD DWG. NO. 2101. SEE SHEET 16-1.
2. CONSTRUCT 4' DIA. MANHOLE, TYPE C OR TYPE E, PER C.O.A. STANDARD DWG. NO. 2101 OR 2102. SEE SHEET 16-1.
3. CONNECT TO EXISTING MANHOLE OR PIPE. CONTRACTOR IS TO VERIFY INVERT ELEVATION IN THE FIELD PRIOR TO CONSTRUCTION.
4. CONSTRUCT SAS SERVICE LINE PER C.O.A. STANDARD DWG. NO 2125. SEE SHEET 16-2.
5. RECONNECT EXISTING SAS SERVICE. SEE C.O.A. DWG. 2134, SHEET 16-2.

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STARTED BY: SUPER MILLER 4/08 DATE
INSPECTOR'S INITIALS BY: BKPWD 4/09 DATE
FIELD STAKED BY: BKPWD 4/07 DATE
VERIFICATION BY: P.B. 5/09 DATE
CORRECTED BY: MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet; ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on solid drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	04/09	REVISE SAS ROADWAY REVISED	VKV
2	5/15/09		JHB

DESIGN

	BY	DATE
DESIGNED BY	TWTK	08/01/07
DRAWN BY	TWTK	08/01/07
CHECKED BY	DCM	08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD SANITARY SEWER

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	11-17R

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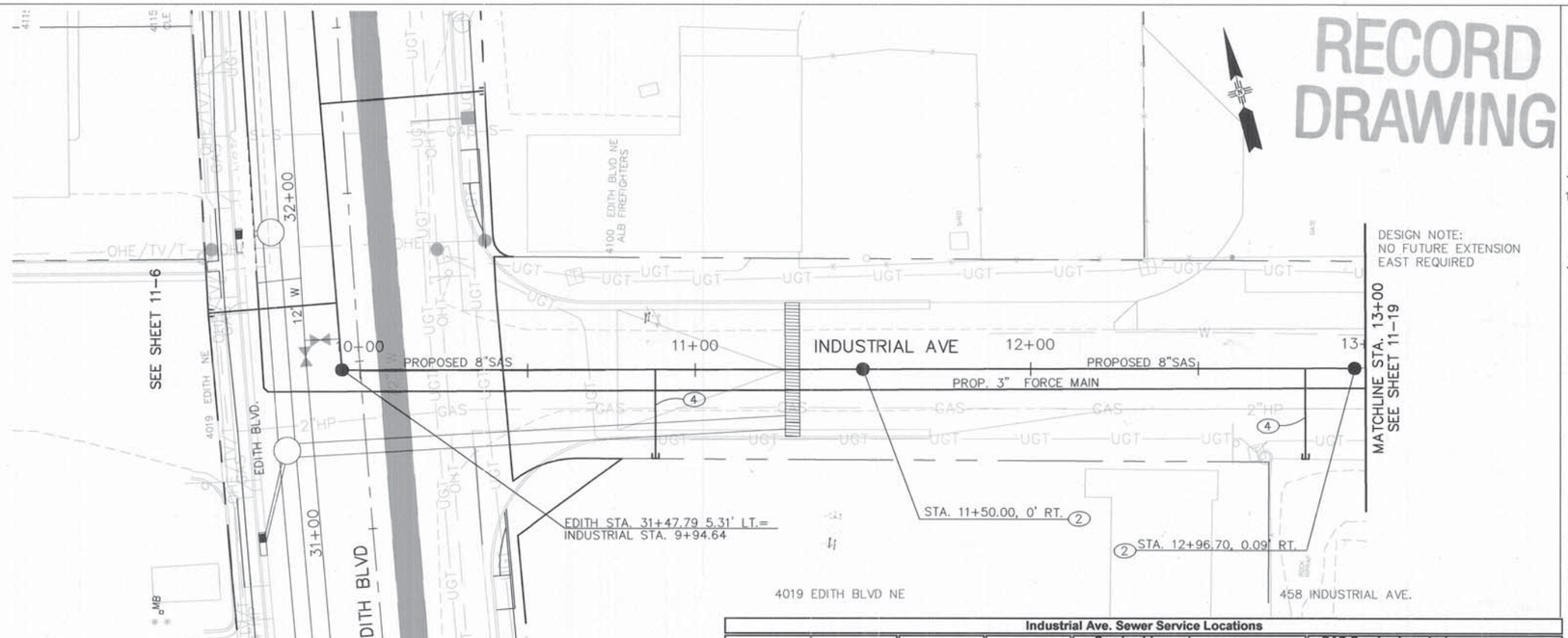
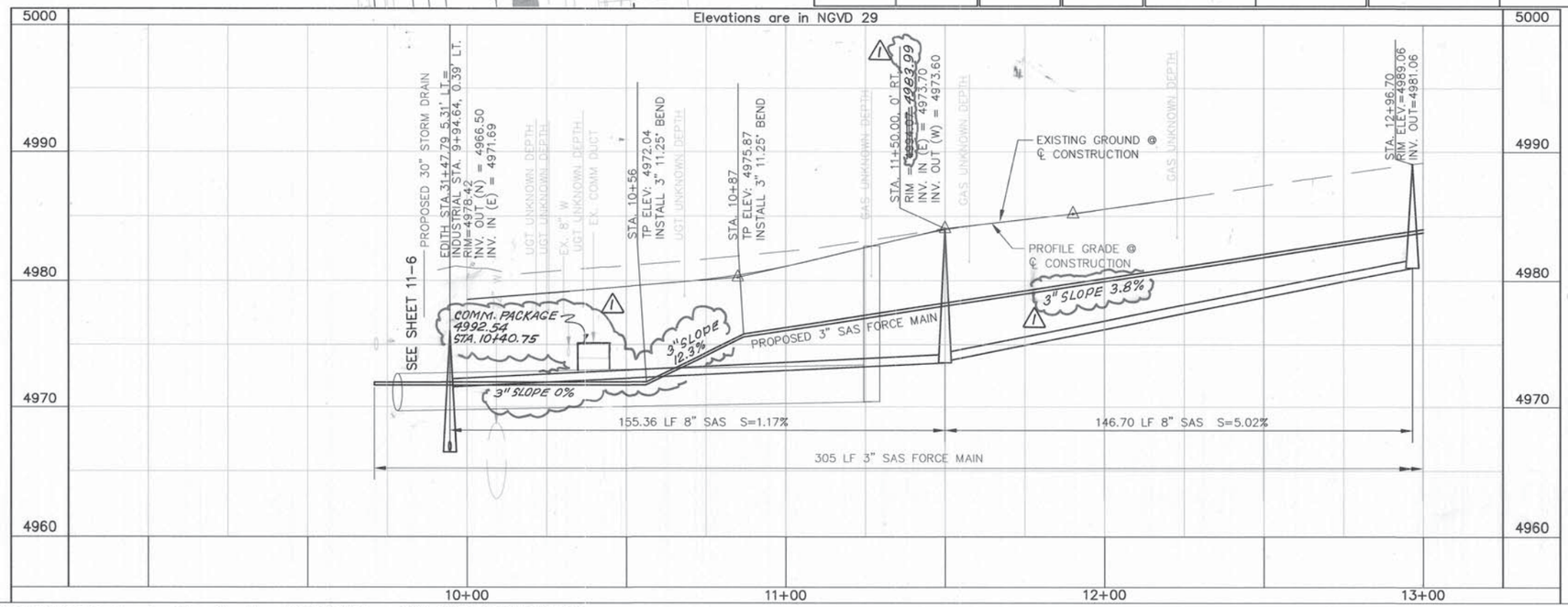
RECORD DRAWING



Industrial Ave. Sewer Service Locations

STATION	AS-BUILT	ADDRESS	LT/RT	Service Line Size/Length	AS-BUILT	SAS Service Invert Elevation @ PL	AS-BUILT
10+88		4019 Edith	Rt.	4" x 27'		4976.00	
12+82		458	Rt.	4" x 27'		4984.50	



GRAPHIC SCALE

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(IN FEET)
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(4) CONSTRUCT SAS SERVICE LINE PER C.O.A. STANDARD DWG. NO 2125. SEE SHEET 16-2.

(5) RECONNECT EXISTING SAS SERVICE. SEE C.O.A. DWG. 2134, SHEET 16-2.

AS BUILT INFORMATION
CONTRACTOR A.S. HUBMER
WORK STAKED BY SNIDER MILLER 7/16 DATE
INSPECTORS FIELD CHANGES BY B&PWD 7/09 DATE
VERIFICATION BY B&PWD 7/09 DATE
FIELD MEASUREMENTS CORRECTED BY F.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM. 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BACKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 9/17/07

NO.	DATE	REMARKS	BY
0409	REVISE SAS		VRV

DESIGN
DESIGNED BY TWTK DATE 08/01/07
DRAWN BY TWTK DATE 08/01/07
CHECKED BY DCM DATE 08/01/07

PB Parsons 100 YEARS Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
INDUSTRIAL AVENUE SANITARY SEWER LINE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	11-18

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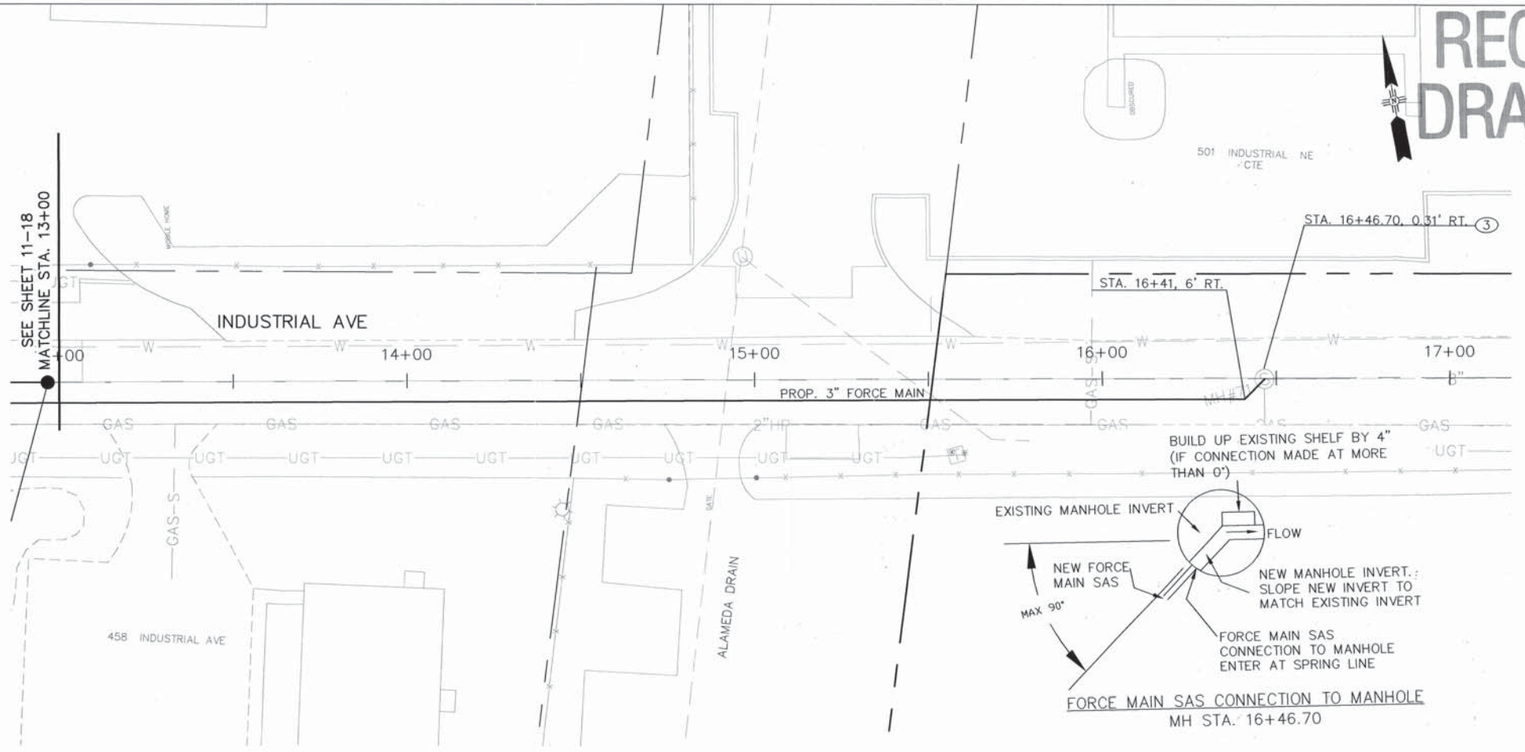

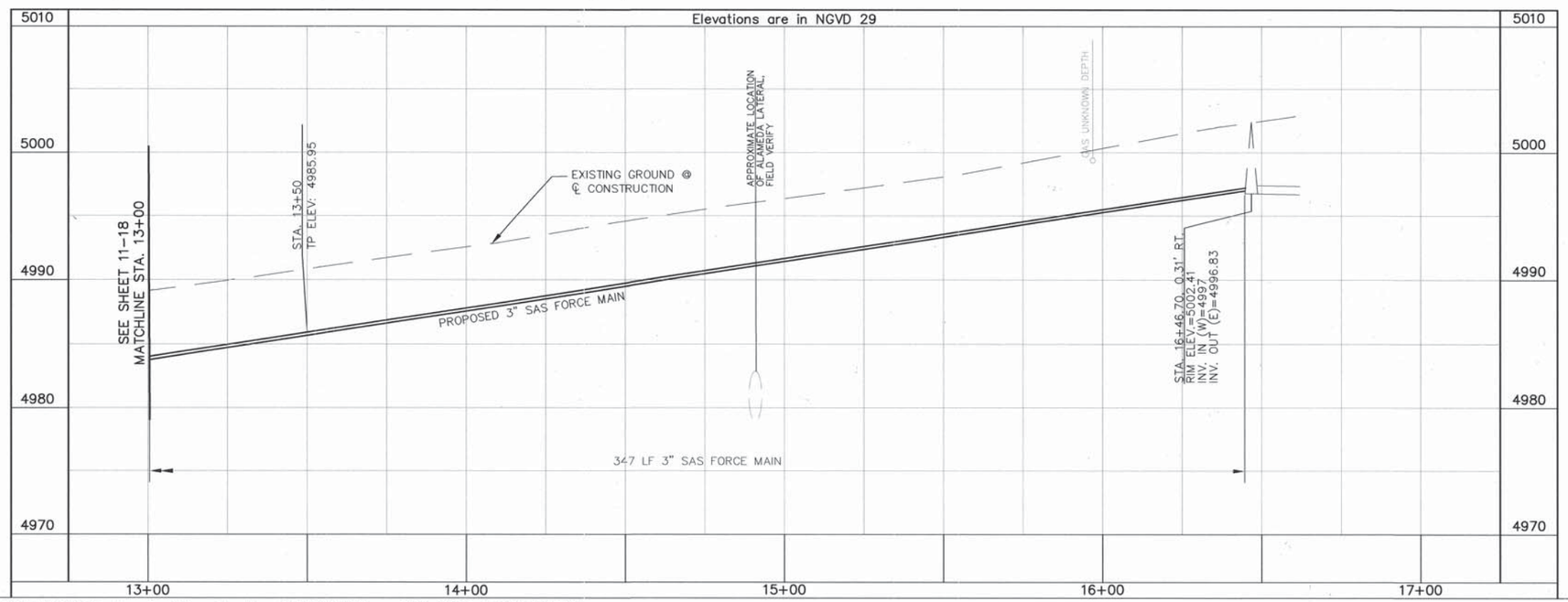

GRAPHIC SCALE

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(IN FEET)
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GENERAL NOTES

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(2) CONSTRUCT 4' DIA. MANHOLE, TYPE C OR TYPE E, PER C.O.A. STANDARD DWG. NO. 2101 OR 2102. SEE SHEET 16-1.

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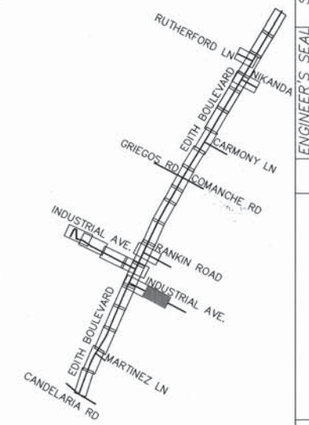
(5) RECONNECT EXISTING SAS SERVICE. SEE C.O.A. DWG. 2134, SHEET 16-2.



AS BUILT INFORMATION
CONTRACTOR A.S. HOKNER
WORK STAKED BY SNIDER MILLER 7/08 DATE
INSPECTOR'S ATTENDANCE BY BLFND 1/09 DATE
FIELD VERIFICATION BY BLFND 1/09 DATE
DRAWINGS CORRECTED BY P.B. 5/09 DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY TWTK	08/01/07
		DRAWN BY TWTK	08/01/07
		CHECKED BY DCM	08/01/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
INDUSTRIAL AVENUE SANITARY SEWER LINE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	11-19

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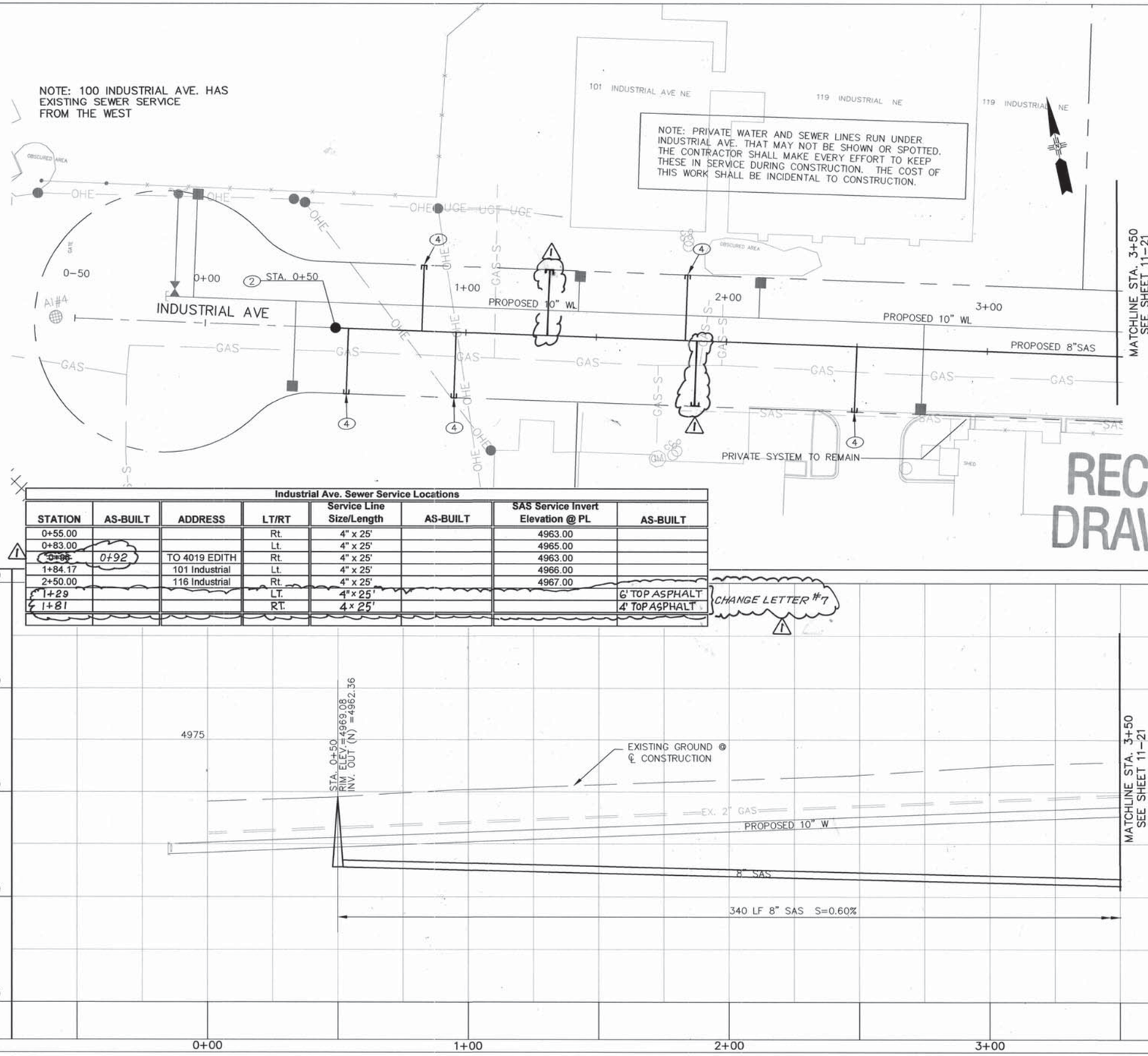

Industrial Ave. Sewer Service Locations

STATION	AS-BUILT	ADDRESS	LT/RT	Service Line Size/Length	AS-BUILT	SAS Service Invert Elevation @ PL	AS-BUILT
0+55.00			Rt.	4" x 25'		4963.00	
0+83.00			Lt.	4" x 25'		4965.00	
~~0+85~~	0+92	TO 4019 EDITH	Rt.	4" x 25'		4963.00	
1+84.17		101 Industrial	Lt.	4" x 25'		4966.00	
2+50.00		116 Industrial	Rt.	4" x 25'		4967.00	
℄ 1+29			LT.	4" x 25'			6' TOP ASPHALT
℄ 1+81			RT.	4 x 25'			4' TOP ASPHALT

CHANGE LETTER #7

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.

HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER ALONG THE HORIZONTAL.

KEYED NOTES:

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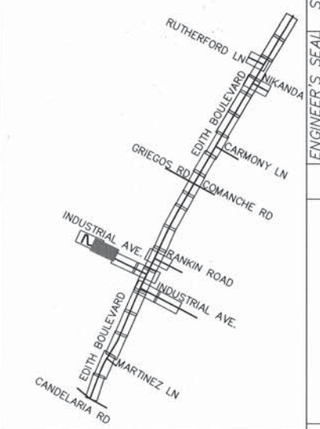
(5) RECONNECT EXISTING SAS SERVICE. SEE C.O.A. DWG. 2134, SHEET 16-2.



PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNIDER MILLER 1/09 DATE
INSPECTION FIELD CHANGES BY BCPWD 1/09 DATE
FIELD CHANGES BY BCPWD 1/09 DATE
VERIFICATION OF DIMENSIONS BY P.B. 5/09 DATE
CORRECTED BY MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet. ENE quadrant of Montano Rd. & Edith Blvd. NE. centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. | DATE | BY

ENGINEER'S SEAL
JAMES H. BUCHANAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 5/17/07

NO.	DATE	REMARKS	BY
1	04/09	REVISED SAS SERVICE	VRV

DESIGN
DESIGNED BY TWTK DATE 08/01/07
DRAWN BY TWTK DATE 08/01/07
CHECKED BY DCM DATE 08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
INDUSTRIAL AVENUE SANITARY SEWER LINE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	11-20

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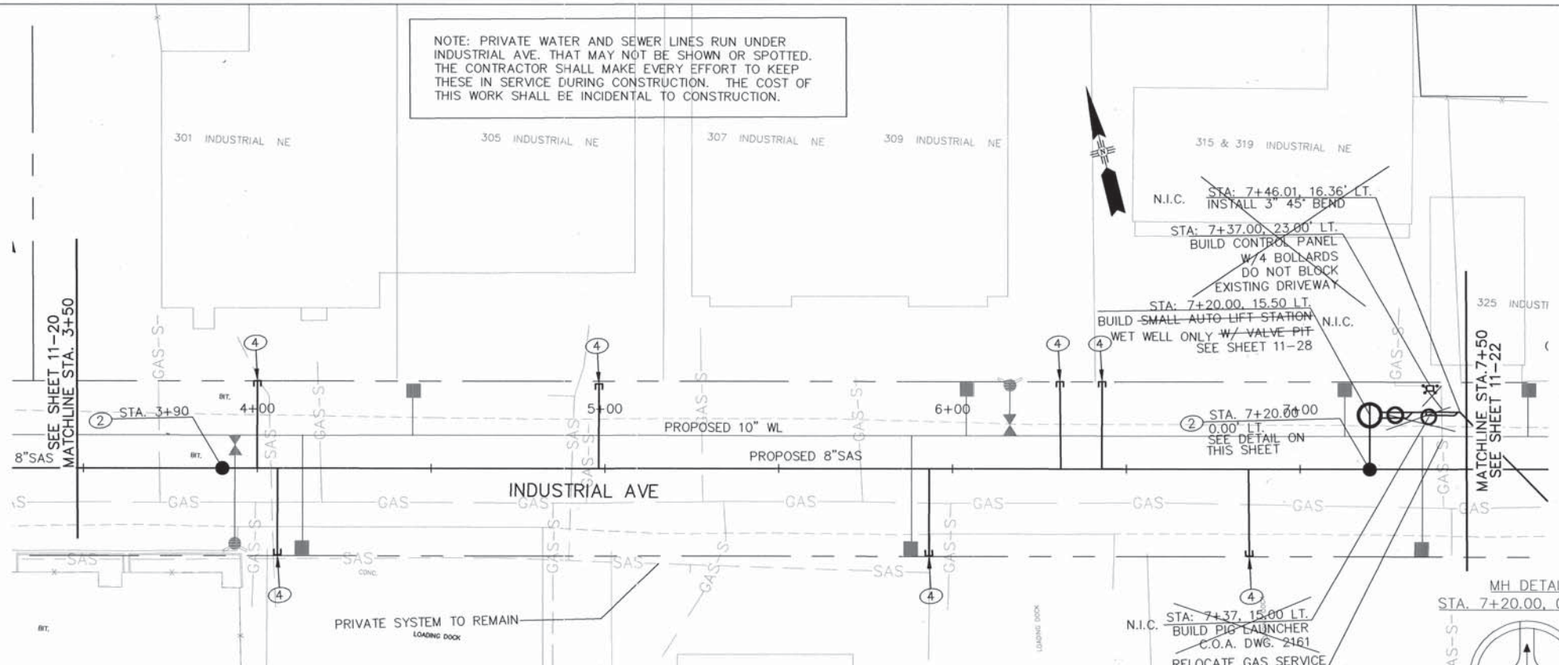
RECORD DRAWING

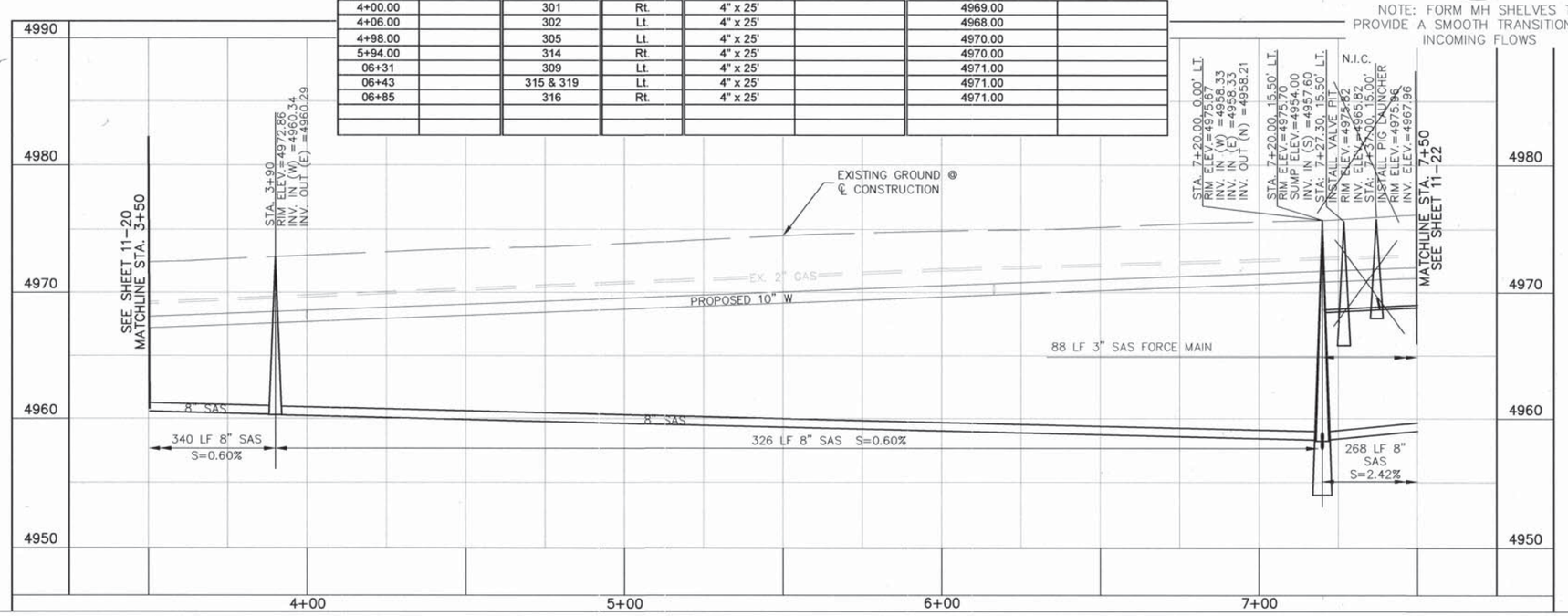
SOUDER MILLER

NOTE: PRIVATE WATER AND SEWER LINES RUN UNDER INDUSTRIAL AVE. THAT MAY NOT BE SHOWN OR SPOTTED. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO KEEP THESE IN SERVICE DURING CONSTRUCTION. THE COST OF THIS WORK SHALL BE INCIDENTAL TO CONSTRUCTION.



Industrial Ave. Sewer Service Locations

STATION	AS-BUILT	ADDRESS	LT/RT	Service Line Size/Length	AS-BUILT	SAS Service Invert Elevation @ PL	AS-BUILT
4+00.00		301	Rt.	4" x 25'		4969.00	
4+06.00		302	Lt.	4" x 25'		4968.00	
4+98.00		305	Lt.	4" x 25'		4970.00	
5+94.00		314	Rt.	4" x 25'		4970.00	
06+31		309	Lt.	4" x 25'		4971.00	
06+43		315 & 319	Lt.	4" x 25'		4971.00	
06+85		316	Rt.	4" x 25'		4971.00	



GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

1 inch = 20 ft.

HORZ. SCALE: 1" = 20'

VERT. SCALE: 1" = 5'

GENERAL NOTES

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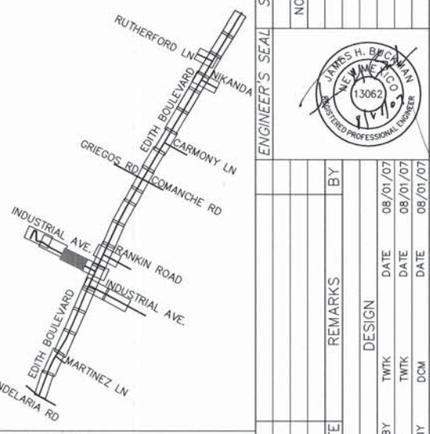
(5) RECONNECT EXISTING SAS SERVICE. SEE C.O.A. DWG. 2134, SHEET 16-2.



AS BUILT INFORMATION
CONTRACTOR A.S. HARMER
MARKED BY ~~A.S. HARMER~~ DATE 1/08
STAKED BY ~~A.S. HARMER~~ DATE 1/09
INSPECTORS BY B.DWD DATE 1/09
FIELD VERIFICATION BY B.DWD DATE 1/09
DRAWING CORRECTIONS BY P.B. DATE 5/09
CORRECTED BY MICRO-FILM INFORMATION DATE
RECORDED BY
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on sold drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
11/15/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY	DATE 08/01/07
		DRAWN BY TWTK	DATE 08/01/07
		CHECKED BY DOM	DATE 08/01/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
INDUSTRIAL AVENUE SANITARY SEWER LINE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 11-21

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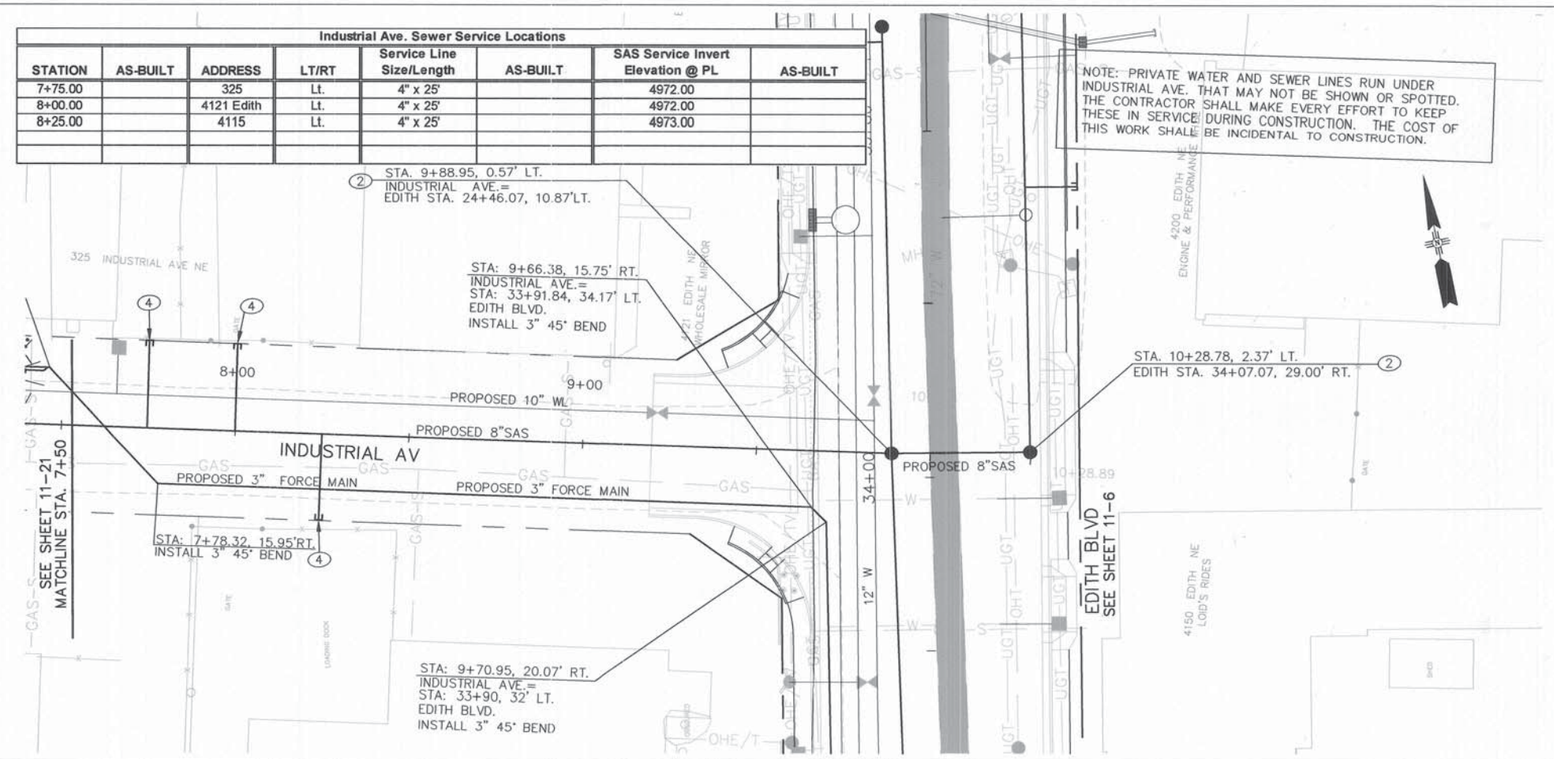
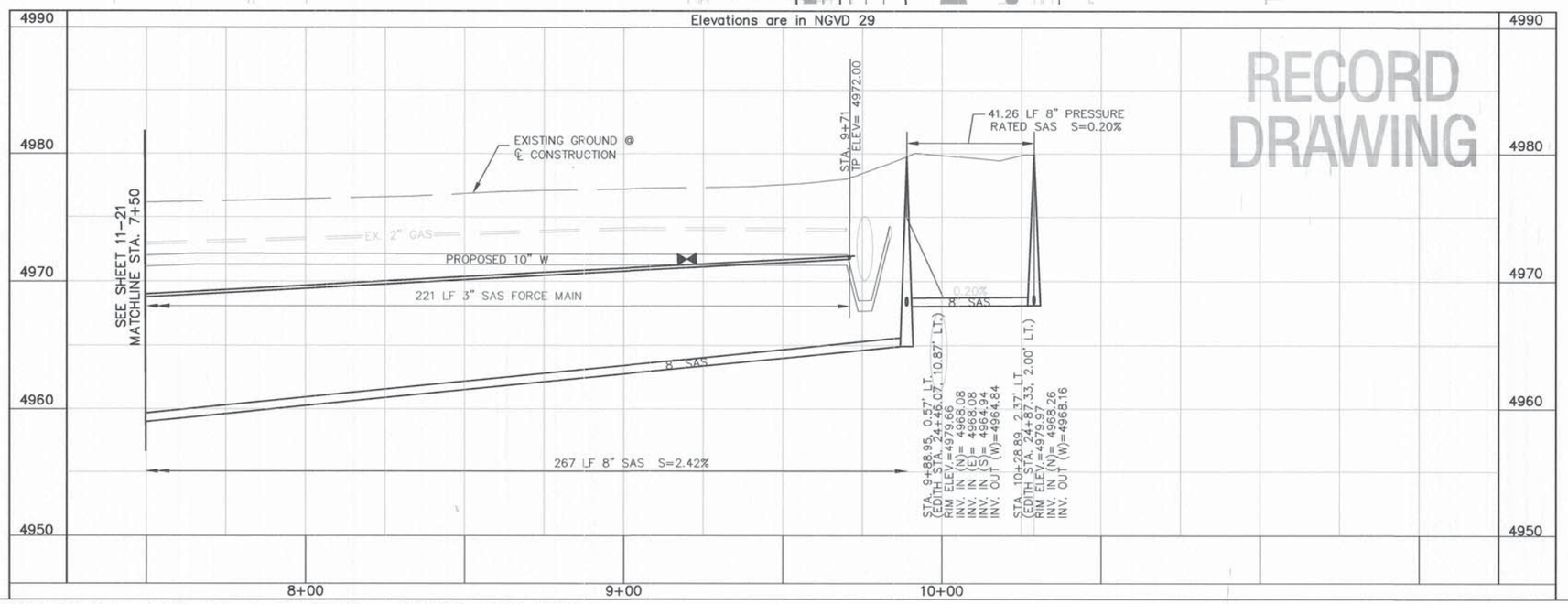
Industrial Ave. Sewer Service Locations							
STATION	AS-BUILT	ADDRESS	LT/RT	Service Line Size/Length	AS-BUILT	SAS Service Invert Elevation @ PL	AS-BUILT
7+75.00		325	Lt.	4" x 25'		4972.00	
8+00.00		4121 Edith	Lt.	4" x 25'		4972.00	
8+25.00		4115	Lt.	4" x 25'		4973.00	





GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.

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5. RECONNECT EXISTING SAS SERVICE. SEE C.O.A. DWG. 2134, SHEET 16-2.

PB Parsons Brinckerhoff

AS BUILT INFORMATION
BENCH MARKS
CONTRACTOR A.S. HARWER
WORK STAKED BY Snyder Miller DATE
WORK INSPECTED BY B.C.PWD DATE
FIELD VERIFICATIONS BY B.C.PWD DATE
DRAWINGS CORRECTED BY P. B. DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE
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ENGINEER'S SEAL
JAMES H. BURTMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY TWTK	DATE 08/01/07
		DRAWN BY TWTK	DATE 08/01/07
		CHECKED BY DCM	DATE 08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

INDUSTRIAL AVENUE SANITARY SEWER LINE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	11-22

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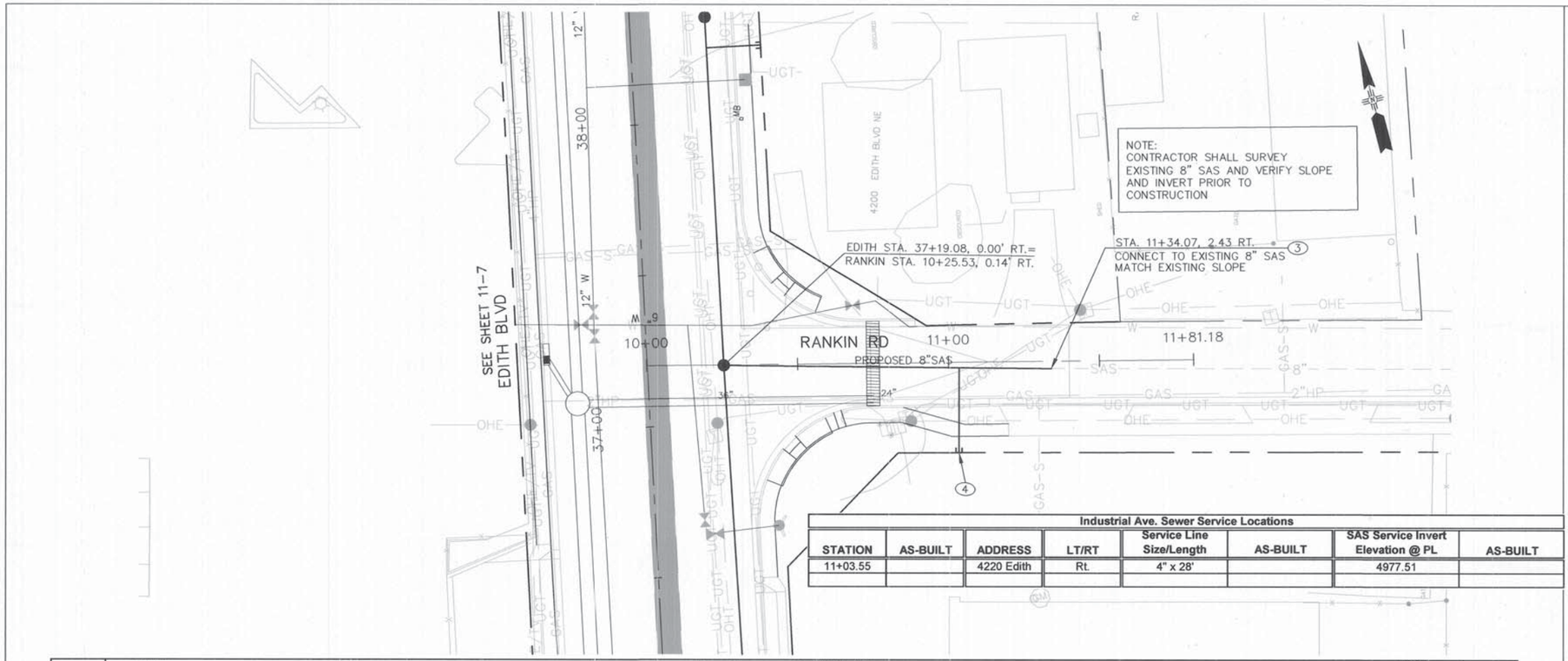
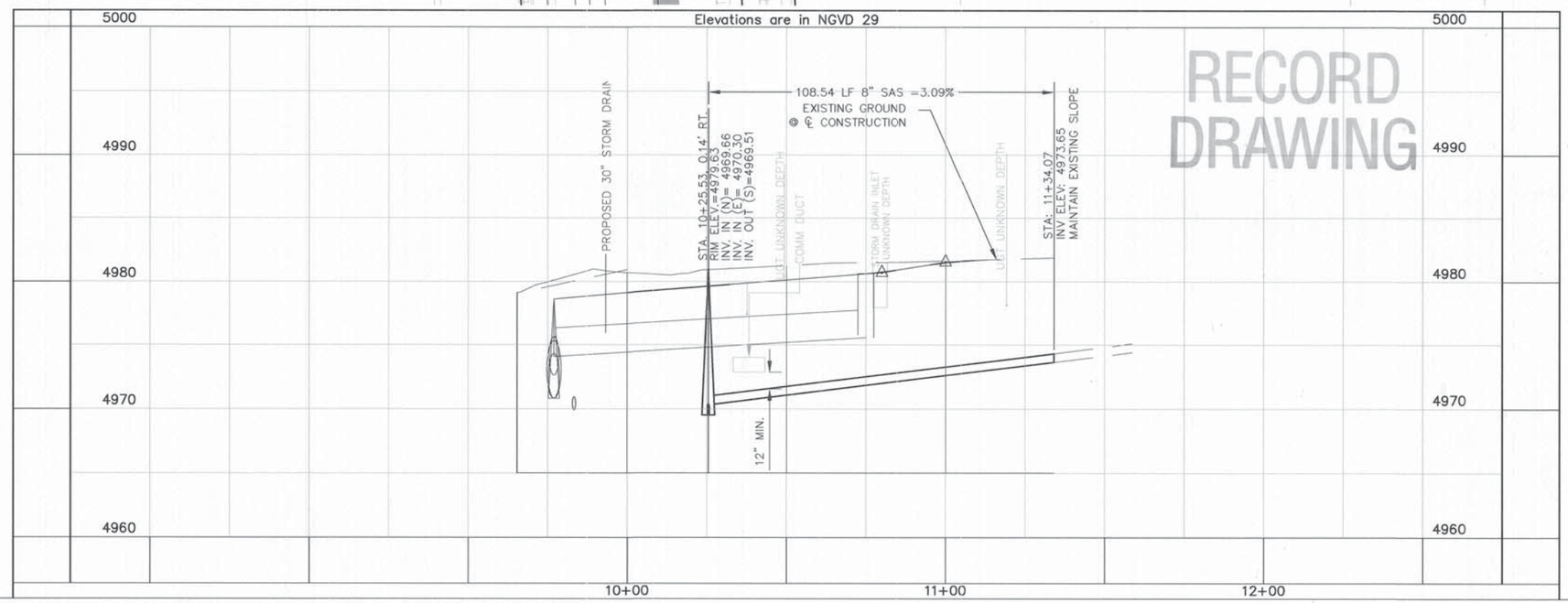


Industrial Ave. Sewer Service Locations							
STATION	AS-BUILT	ADDRESS	LT/RT	Service Line Size/Length	AS-BUILT	SAS Service Invert Elevation @ PL	AS-BUILT
11+03.55		4220 Edith	Rt.	4" x 28'		4977.51	



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5. RECONNECT EXISTING SAS SERVICE. SEE C.O.A. DWG. 2134, SHEET 16-2.

AS BUILT INFORMATION
CONTRACTOR: A.S. HANNER DATE
WORK INSPECTOR'S FIELD CHANGES BY: SAUCER MILLER 7/09 DATE
FIELD VERIFICATION BY: R.PWD 1/09 DATE
AS-BUILTED BY: R.PWD 1/09 DATE
CORRECTED BY: P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15". epoxied to top of concrete drop inlet. ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on sold drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	DESIGN		
			DESIGNED BY	TWTK	08/01/07
			DRAWN BY	TWTK	08/01/07
			CHECKED BY	DCM	08/01/07

PB Parsons Brinckerhoff

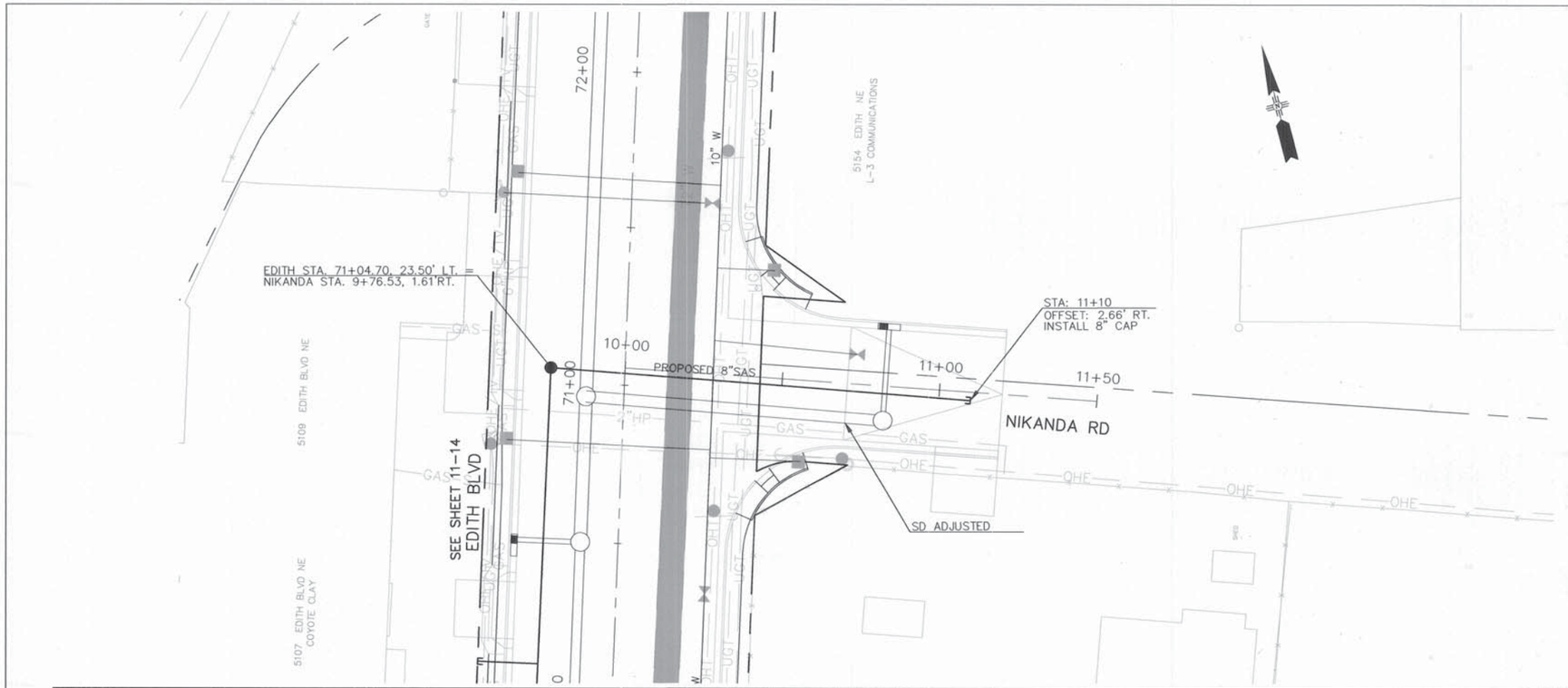
COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

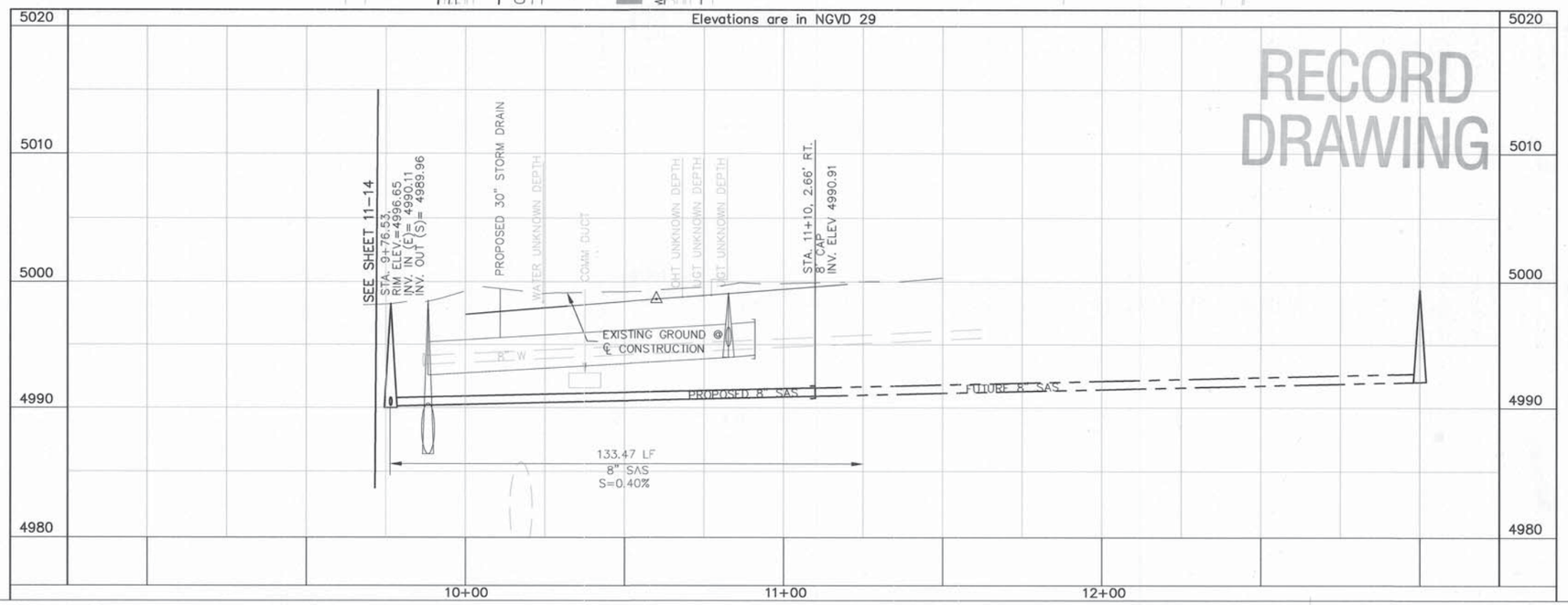
EDITH BLVD. RECONSTRUCTION
RANKIN ROAD SANITARY SEWER LINE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 11-23

G:\33588_Edith\04 Engineering\Plans\Section 11\11PSSWSS.dwg 8/16/2007 6:36:05 PM MDT





GRAPHIC SCALE

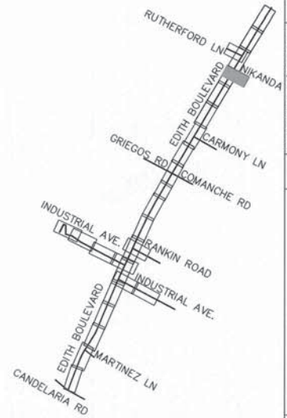
(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER ALONG THE HORIZONTAL.

KEYED NOTES:

1. CONSTRUCT 4' DIA. MANHOLE, TYPE C, PER C.O.A. STANDARD DWG. NO. 2101. SEE SHEET 16-1.
2. CONSTRUCT 4' DIA. MANHOLE, TYPE C OR TYPE E, PER C.O.A. STANDARD DWG. NO. 2101 OR 2102. SEE SHEET 16-1.
3. CONNECT TO EXISTING MANHOLE OR PIPE. CONTRACTOR IS TO VERIFY INVERT ELEVATION IN THE FIELD PRIOR TO CONSTRUCTION.
4. CONSTRUCT SAS SERVICE LINE PER C.O.A. STANDARD DWG. NO 2125. SEE SHEET 16-2.
5. RECONNECT EXISTING SAS SERVICE. SEE C.O.A. DWG. 2134, SHEET 16-2.



PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HARMER
WORK START BY Jasper Miller 7/09 DATE
INSPECTOR'S FIELD CHANGE BY BCPWD 7/09 DATE
FIELD VERIFICATION BY BCPWD 7/09 DATE
DRAWING CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on sold drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
JAMES H. BRINCKERHOFF
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	DESIGN BY	DATE
			DESIGNED BY TWTK	08/01/07
			DRAWN BY TWTK	08/01/07
			CHECKED BY DCM	08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
NIKANDA ROAD SANITARY SEWER LINE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 11-24

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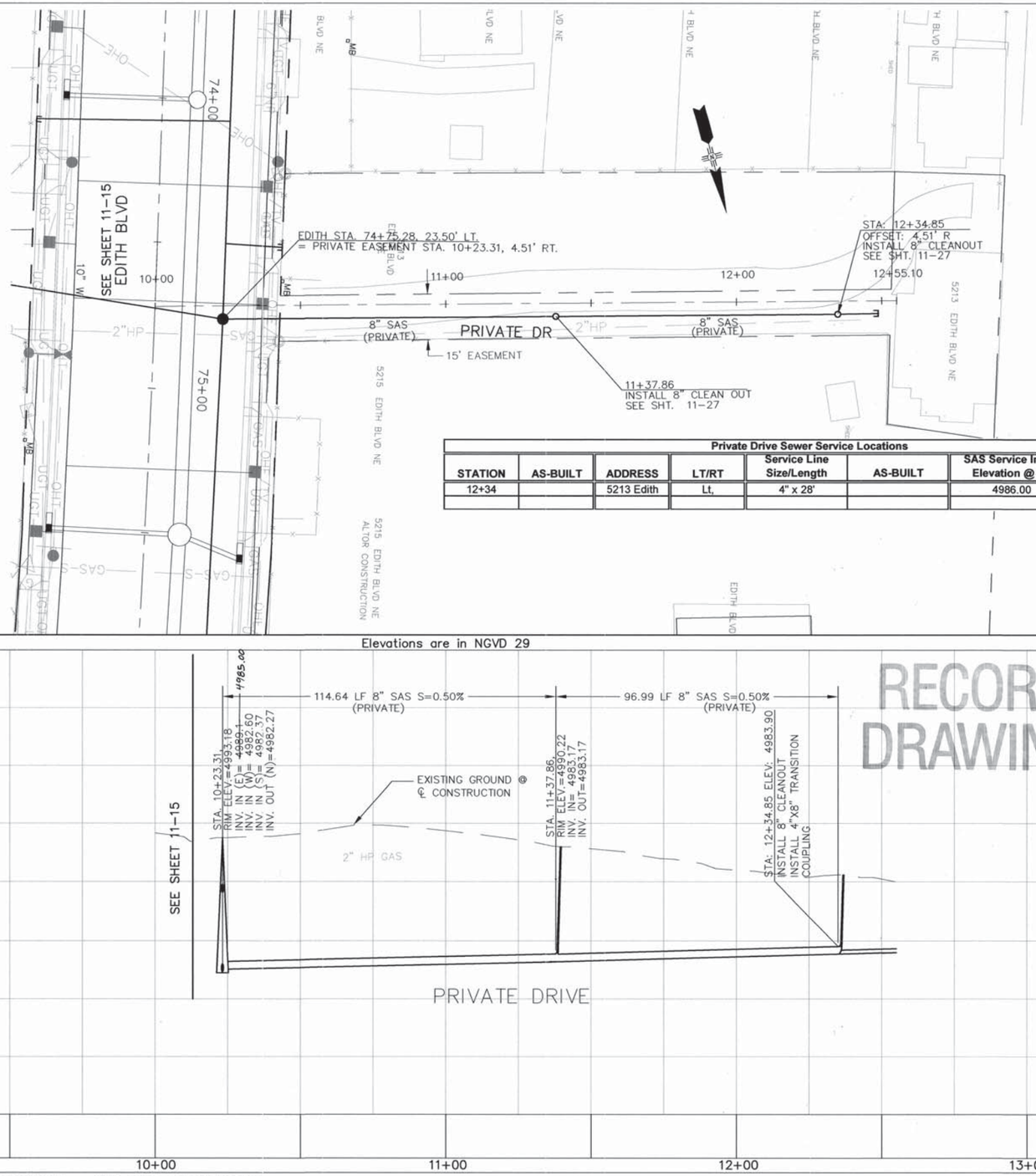
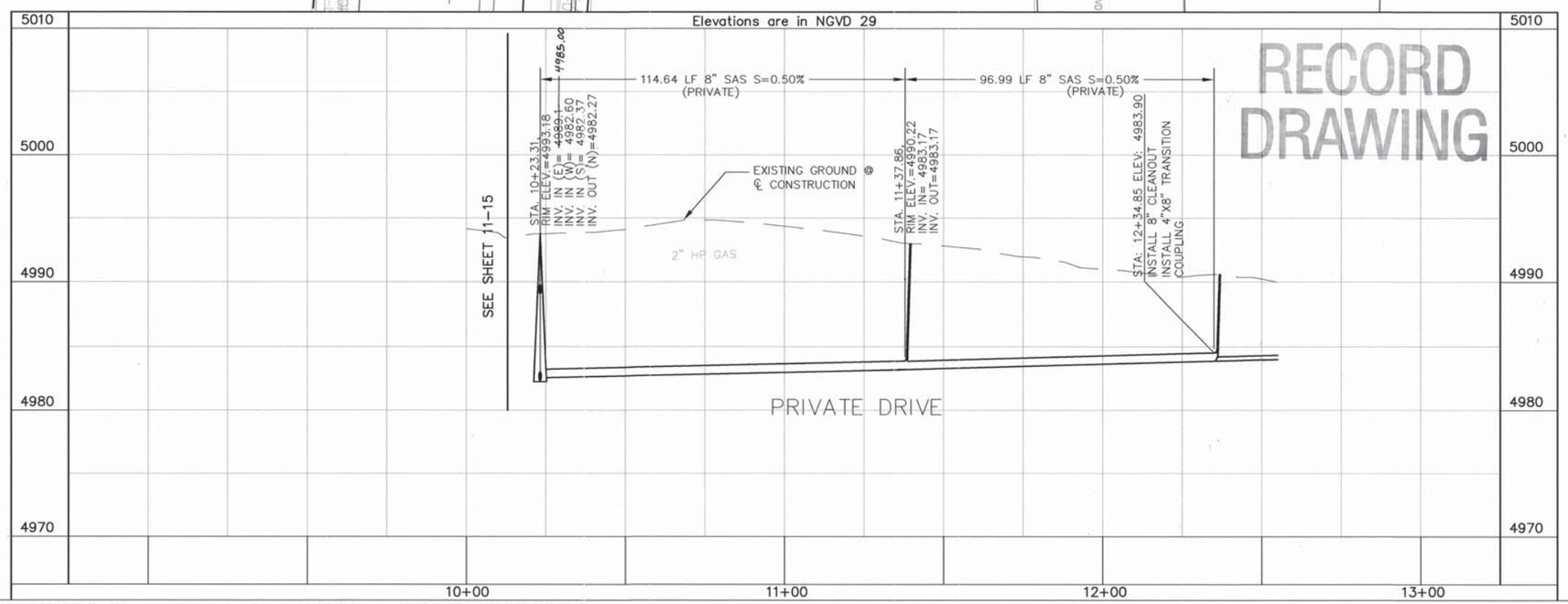


Private Drive Sewer Service Locations

STATION	AS-BUILT	ADDRESS	LT/RT	Service Line Size/Length	AS-BUILT	SAS Service Invert Elevation @ PL	AS-BUILT
12+34		5213 Edith	Lt.	4" x 28'		4986.00	



GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.

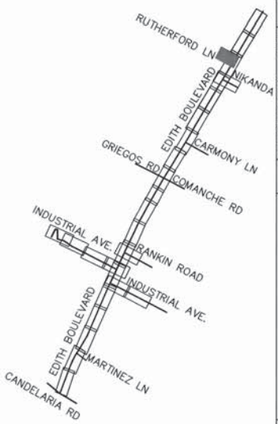
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. LINE LENGTHS ARE COMPUTED FROM MH CENTER TO MH CENTER ALONG THE HORIZONTAL.

KEYED NOTES:

1. CONSTRUCT 4' DIA. MANHOLE, TYPE C PER C.O.A. STANDARD DWG. NO. 2101. SEE SHEET 16-1.
2. CONSTRUCT 4' DIA. MANHOLE, TYPE C OR TYPE E, PER C.O.A. STANDARD DWG. NO. 2101 OR 2102. SEE SHEET 16-1.
3. CONNECT TO EXISTING MANHOLE OR PIPE. CONTRACTOR IS TO VERIFY INVERT ELEVATION IN THE FIELD PRIOR TO CONSTRUCTION.
4. CONSTRUCT SAS SERVICE LINE PER C.O.A. STANDARD DWG. NO 2125. SEE SHEET 16-2.
5. RECONNECT EXISTING SAS SERVICE. SEE C.O.A. DWG. 2134, SHEET 16-2.



AS BUILT INFORMATION
CONTRACTOR A.S. HORNER DATE
WORK STAKED BY Snyder Miller Yeo DATE
INSPECTOR'S FIELD CHANGES BY B.C.P.W.D 1/09 DATE
FIELD VERIFICATION BY B.C.P.W.D 1/09 DATE
DRAWINGS CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. | DATE | BY

ENGINEER'S SEAL
JAMES H. BUSHMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY	TWTK
		DRAWN BY	TWTK
		CHECKED BY	DCM

DESIGN	DATE
DESIGNED BY	08/01/07
DRAWN BY	08/01/07
CHECKED BY	08/01/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
PRIVATE DRIVE SANITARY SEWER LINE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	11-25

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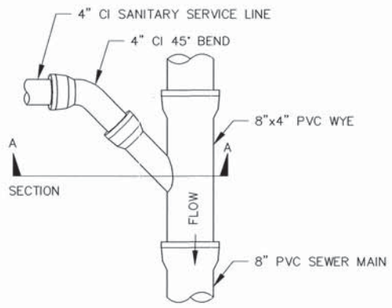
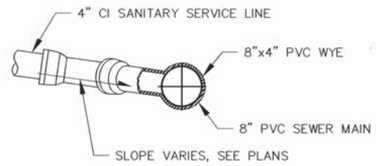


PLAN



SECTION A–A

SHALLOW SEWER TAP DETAIL

NTS

NOTE: COST OF SHALLOW TAP SHALL BE INCIDENTAL TO NEW/ REPLACEMENT SERVICE CONNECTION

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION

CONTRACTOR A.S. HARVER DATE
WORK STAKED BY SNYDER MILLER 7/08 DATE
INSPECTION ACCEPTANCE BY BCPWD 1/09 DATE
FIELD VERIFICATION BY BCPWD 1/09 DATE
PLANS CORRECTED BY PB. 5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BUSHMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

DESIGN

	DATE	
DESIGNED BY	08/01/07	
DRAWN BY	08/01/07	
CHECKED BY	08/01/07	

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

SANITARY SEWER DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F–15, G–15	11–26

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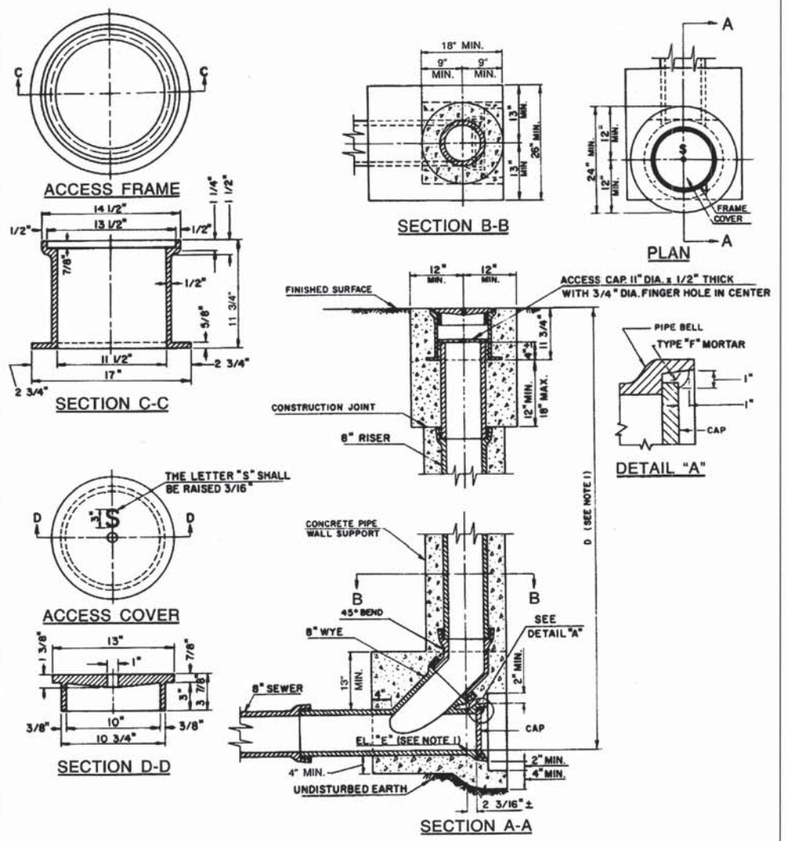

DETAIL FOR PRIVATE DRIVE

NOTES:

1. SEE PROJECT PLANS FOR VALUES OF DIMENSION "D" AND ELEVATION "E".
2. PIPE AND FITTINGS, EXCEPT AS OTHERWISE SHOWN HEREON, SHALL BE OF THE SAME MATERIAL AS THE SEWER, UNLESS APPROVED ADAPTORS ARE UTILIZED AND MAY BE ANY OF THE FOLLOWING:
   A. VC PIPE
   B. PE PIPE
   C. ABS SOLID WALL PIPE
   D. ABS COMPOSITE PIPE
   E. PVC PLASTIC PIPE
3. PIPES AND FITTINGS SHALL BE PROPERLY ALIGNED AND MAINTAINED WHILE CONCRETE IS BEING PLACED AND ALLOWED TO HARDEN. JOINTS FOR PIPES AND FITTINGS SHALL BE MADE PRIOR TO PLACING CONCRETE. CONCRETE FOR BEDDING, ENCASEMENT, AND WALL SUPPORT FOR PIPES AND FITTINGS SHALL BE PLACED UNIFORMLY AROUND THE PIPE AND FITTINGS AS SHOWN HEREON TO MAINTAIN PROPER ALIGNMENT, AND SHALL BE CLASS 420-C-2000.
4. THE ACCESS FRAME, COVER AND CAP SHALL BE CAST IRON. THE FINGER HOLES MAY BE DRILLED OUT OR MAY BE BLOCKED OUT PRIOR TO CASTING; THEY SHALL NOT BE PUNCHED OUT.
5. THE CONTRACTOR, AT HIS OPTION, MAY PLACE EITHER CIRCULAR OR SQUARE CONCRETE PIPE WALL SUPPORTS AS SHOWN HEREON.

DETAIL FOR PRIVATE DRIVE

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION
CONTRACTOR A.S. HANNER DATE
WORK STAKED BY SOUDER MILLER 3/09 DATE
INSPECTOR'S ATTENDANCE BY BCPWD 1/09 DATE
FIELD VERIFICATION BY BCPWD 1/09 DATE
DRAWINGS CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
JAMES W. WORTMAN 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY TK	DATE 11/07/06
		DRAWN BY CKV	DATE 11/07/06
		CHECKED BY DCM	DATE 11/07/06

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
SANITARY SEWER DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	11-27

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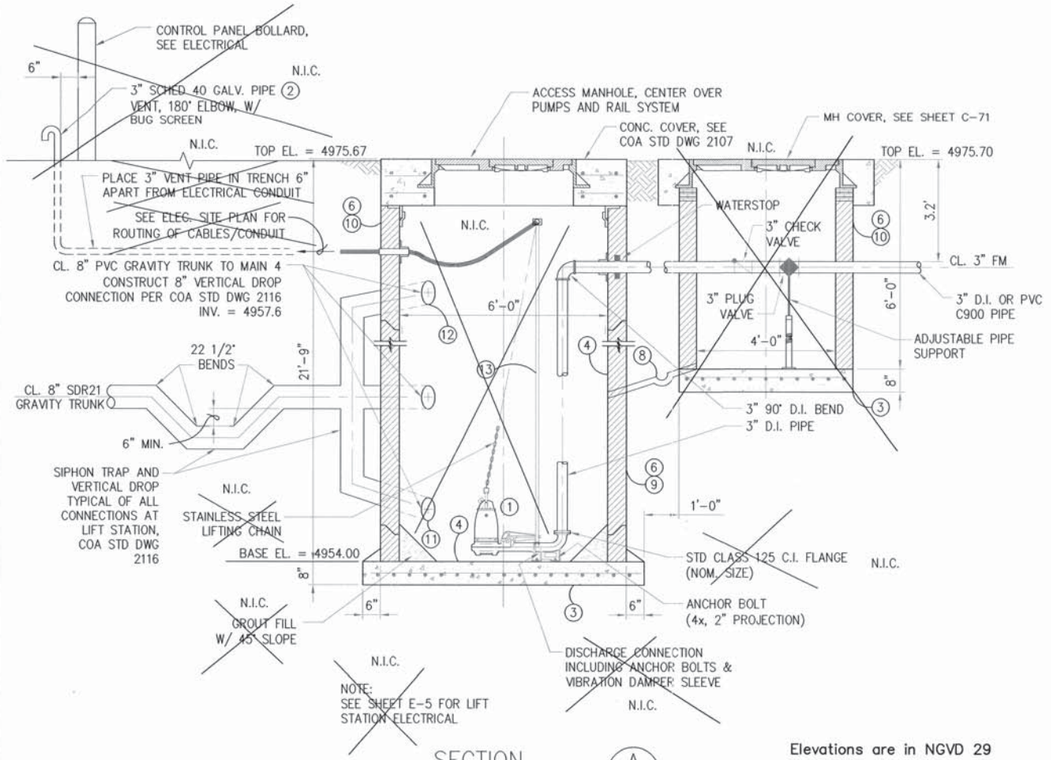
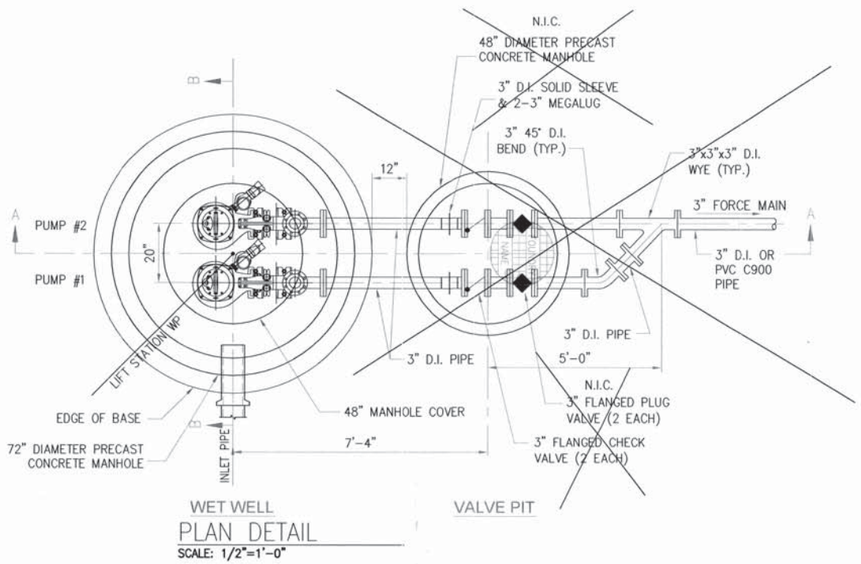
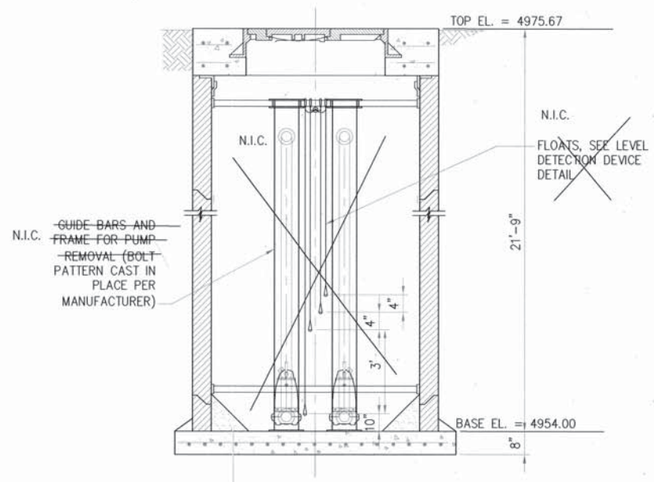


SECTION A
SCALE: 1/2"=1'-0"

Elevations are in NGVD 29



PLAN DETAIL
SCALE: 1/2"=1'-0"



SECTION B
SCALE: 1/2"=1'-0"

KEYED NOTES:

1. PUMP #1 AND PUMP #2 SHALL BE EQUIPPED WITH FLYGT MODEL MP 3102.267 MT. N.I.C.
2. 3" SCHED 40 GALVANIZED PIPE VENT SHALL BE PAINTED IN ACCORDANCE WITH SPEC SECTION 9900.
3. BASE TO BE POURED IN-PLACE USING #4 BARS @ 6"O.C. EA. WAY FOR VAULT DEPTH OF 16' OR GREATER. #4 BARS @ 12"O.C. EA. WAY FOR VAULT DEPTH LESS THAN 16' DEEP. CONCRETE SHALL CONTAIN XYPEX ADMIXTURE PER MANUFACTURER'S DIRECTIONS.
4. COAT ALL EXPOSED INTERIOR SURFACES OF CONCRETE WITH RAVEN EPOXY OR ZEBRON OR APPROVED EQUAL, 125 MIL MINIMUM. N.I.C.
5. USE NON-SHRINK GROUT FOR FILLETS AND PIPE PENETRATIONS.
6. JOINTS TO MEET ASTM C443 FOR WATERTIGHT JOINTS.
7. COMPACT ALL BACKFILL AROUND LIFT STATION TO 95% PER ASTM D1557.
8. 2" SCHED 80 PVC DRAIN PIPE. N.I.C.
9. PRECAST CONCRETE MANHOLE BARRELS. CONCRETE SHALL CONTAIN XYPEX ADMIXTURE PER MANUFACTURER'S DIRECTIONS. FOR BARRELS 15 FT AND DEEPER.
10. PRECAST CONCRETE MANHOLE BARRELS WITHOUT XYPEX ADMIXTURE. FOR BARRELS LESS THAN 15 FT DEEP.
11. INVERT AT TOP OF GROUT.
12. INVERT AT MINIMUM 12" ABOVE GROUND WATER LINE.
13. GUIDE BARS AND FRAME AND FLOATS, SEE SECTION B/C-71. N.I.C.

RECORD DRAWING

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK INSPECTED BY SOUDER MILLER 1/08 DATE
INSPECTOR'S CHANGE BY B.C.P.W.D. 1/09 DATE
FIELD VERIFICATION BY B.C.P.W.D. 1/09 DATE
UTILITY LINES CORRECTED BY P.B. 1/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15".
SURVEY INFORMATION
FIELD NOTES
NO. BY DATE
epoxied to top of concrete drop inlet.
ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

ENGINEER'S SEAL
JAMES H. BURKE NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

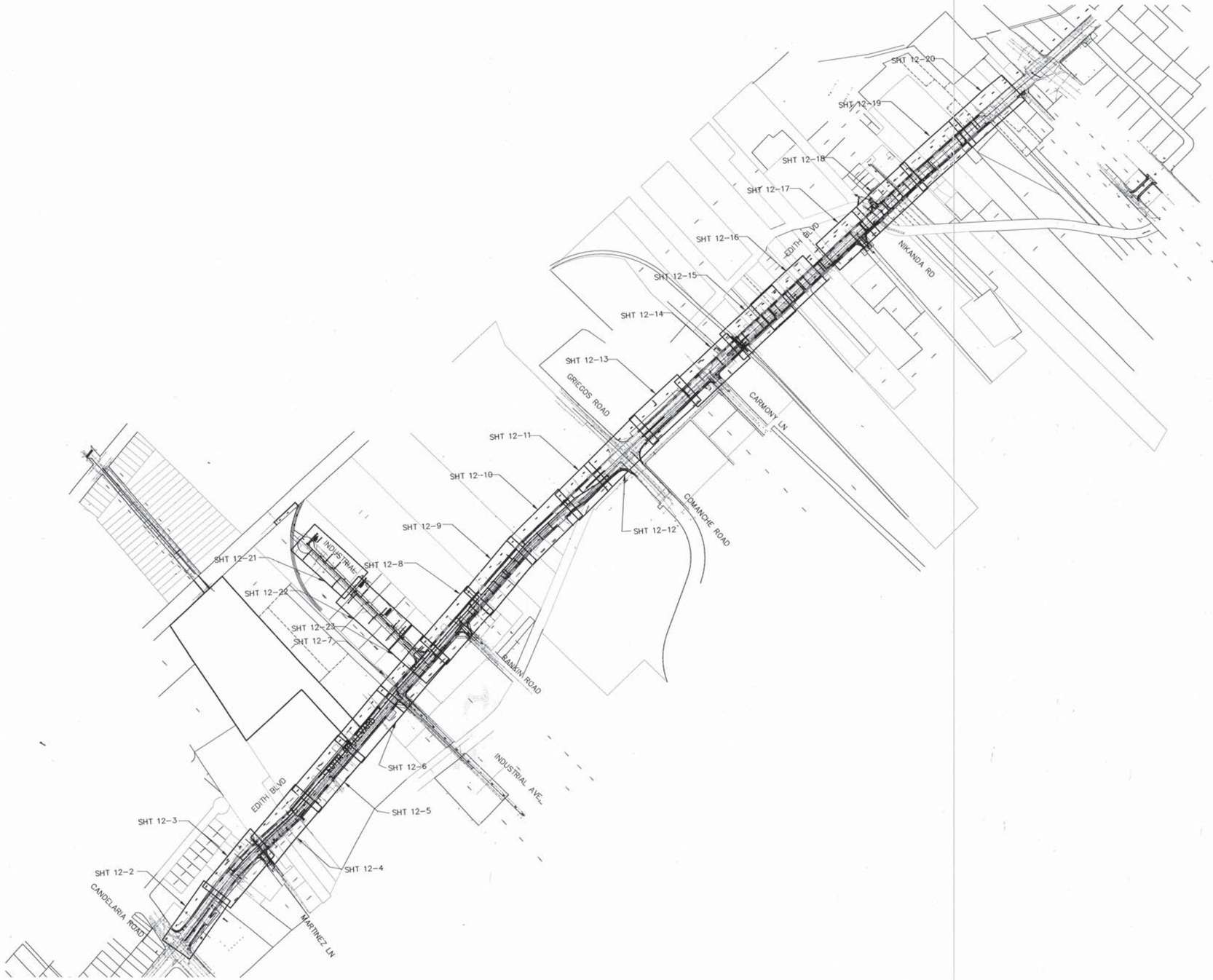
NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY TWTK	DATE 10/31/06
		DRAWN BY TWTK	DATE 10/31/06
		CHECKED BY DM	DATE 10/31/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
SMALL AUTO. LIFT STATION DTLS.

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 11-28



NOT TO SCALE

RECORD DRAWING

Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

EDITH BOULEVARD WATER LINE LAYOUT

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	12-1

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM. 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER
WORK STAKED BY SNIDER MILLER 1/08 DATE
INSPECTION CLEARANCE BY BCPWD 1/09 DATE
FIELD VERIFICATION BY BCPWD 1/09 DATE
AS-BUILTING BY BCPWD 3/09 DATE
CORRECTED BY P.B. 8/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BINCKLEY, NEW MEXICO, 13062, REGISTERED PROFESSIONAL ENGINEER, 11/7/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY	TK
		DRAWN BY	TK
		CHECKED BY	AP

DATE
08/01/07
08/01/07
08/01/07

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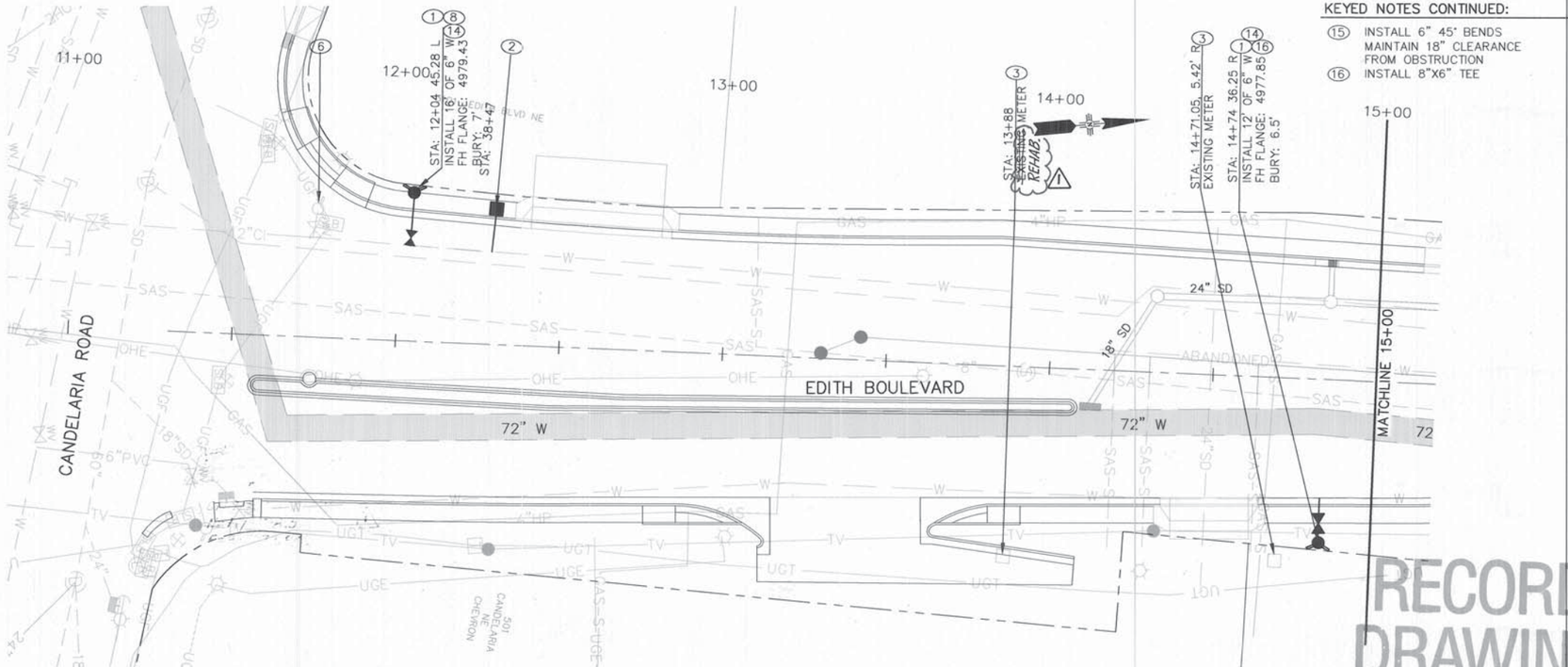

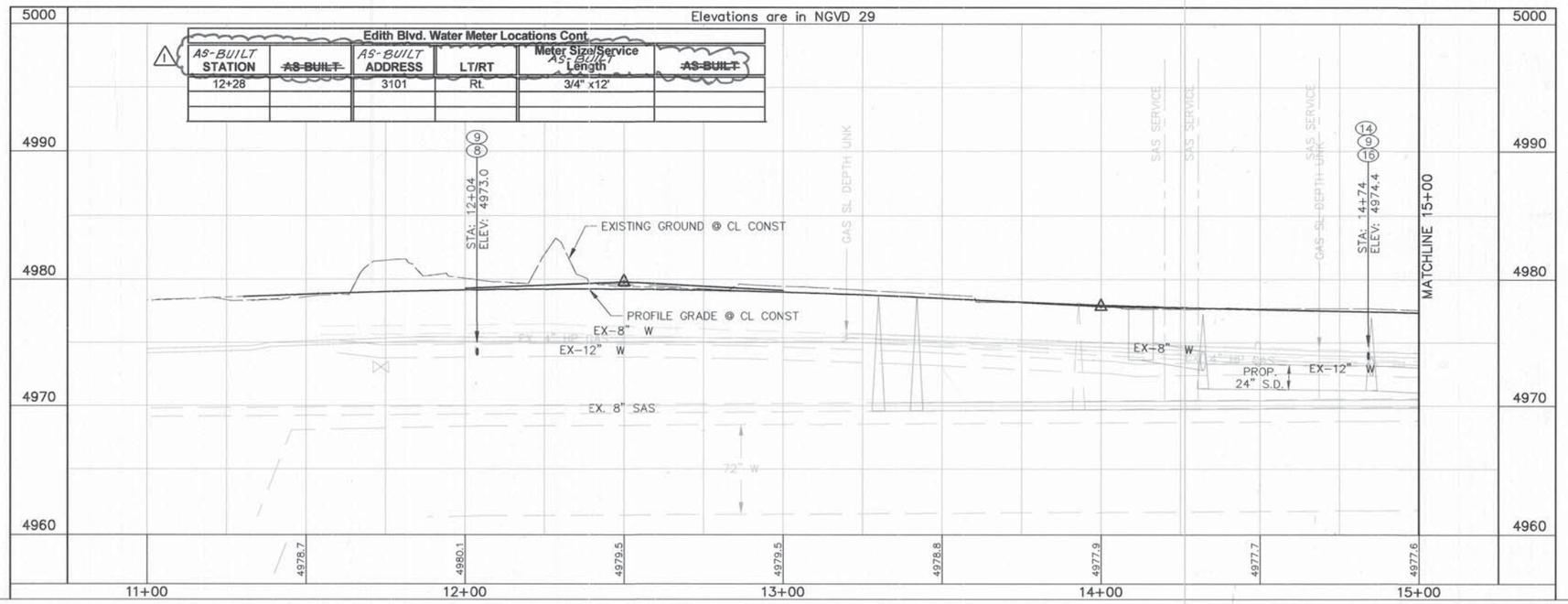

KEYED NOTES CONTINUED:

15. INSTALL 6" 45° BENDS MAINTAIN 18" CLEARANCE FROM OBSTRUCTION
16. INSTALL 8"X6" TEE

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft

HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. ALL WATERLINES SHALL BE CONSTRUCTED WITH A MINIMUM OF 3' OF COVER.
2. ELEVATIONS ARE TO THE TOP OF PIPE FOR WATERLINE

KEYED NOTES:

1. INSTALL FIRE HYDRANT AND 6" GV PER CITY OF ALBUQUERQUE STD. DWG. NO. 2340 AND DWG. NO. 2347, CASE 2.
2. CONSTRUCT NEW METERED SERVICE LINE PER CITY OF ALBUQUERQUE STD. DWG. NO. 2362 OR 2363. (NO SPLICING)
3. PROTECT IN PLACE.
4. INSTALL 8" 45° VERTICAL BEND MAINTAIN 18" CLEARANCE
5. INSTALL 12" 11.25° VERTICAL BEND. MAINTAIN 18" CLEARANCE FROM OBSTRUCTION
6. REMOVE AND SALVAGE EXISTING FH
7. INSTALL 10" 45° VERTICAL BEND MAINTAIN 18" CLEARANCE FROM OBSTRUCTION
8. INSTALL 12"X6" TEE
9. INSTALL 6" GV W/VB
10. INSTALL 12" GV W/VB
11. INSTALL 10" GV W/VB
12. INSTALL 12" 45° VERTICAL BEND MAINTAIN 18" CLEARANCE FROM OBSTRUCTION
13. INSTALL 10"X6" TEE
14. CONNECT TO EXISTING WL W/NON PRESSURE CONNECTION & TRANSITION COUPLING

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNIDER/MILLER 1/09 DATE
INSPECTION BY BCRWD 1/09 DATE
ACCEPTANCE BY BCRWD 1/09 DATE
FIELD VERIFICATION BY BCRWD 1/09 DATE
AS-BUILTED BY P.B. 5/09 DATE
DRAWINGS
COMPILED BY MICRO-FILM INFORMATION
NGVD 29 Elev. = 4984.00' RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on solid drop inlet.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
11/17/06

NO.	DATE	REMARKS	BY
1	05/09	REVISED WATER METER TABLE	VRV

DESIGN
DESIGNED BY TWTK DATE 10/31/06
DRAWN BY TWTK DATE 10/31/06
CHECKED BY DM DATE 10/31/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD WATER LINE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	12-2

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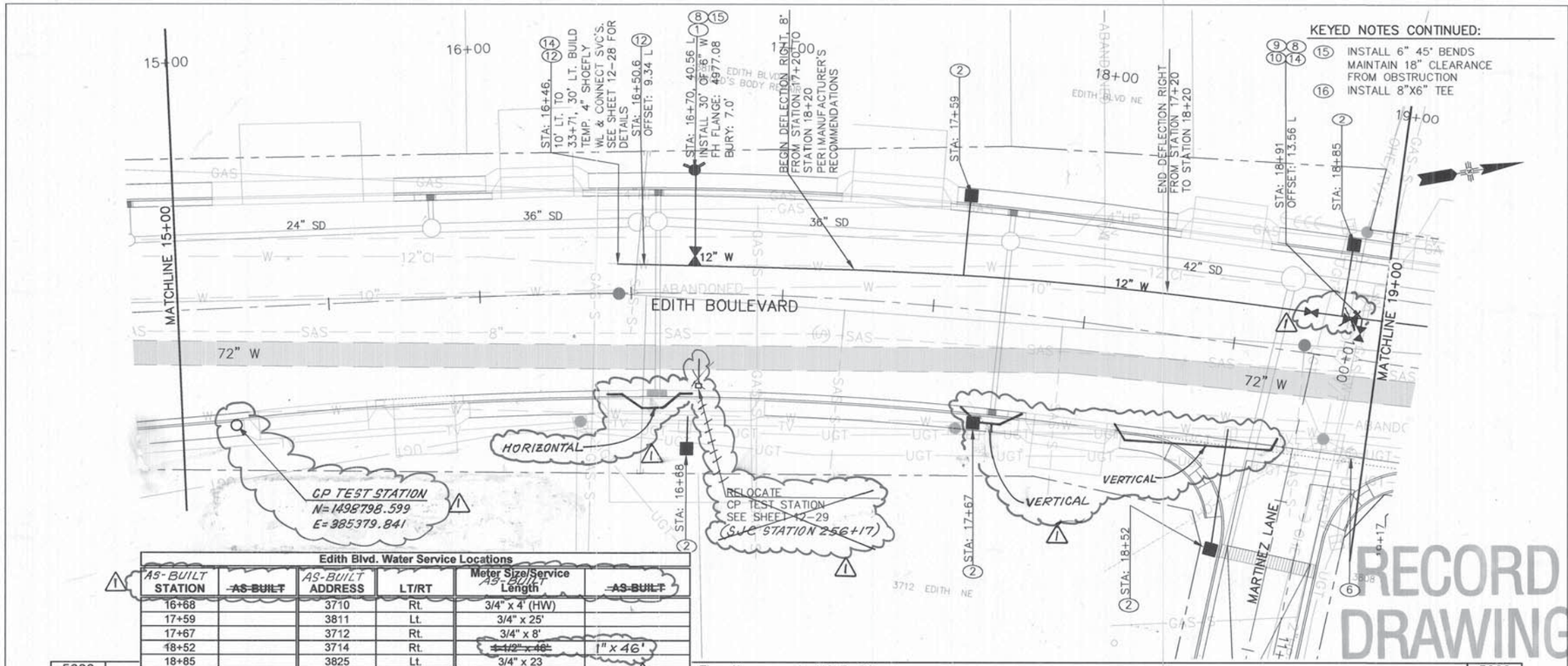
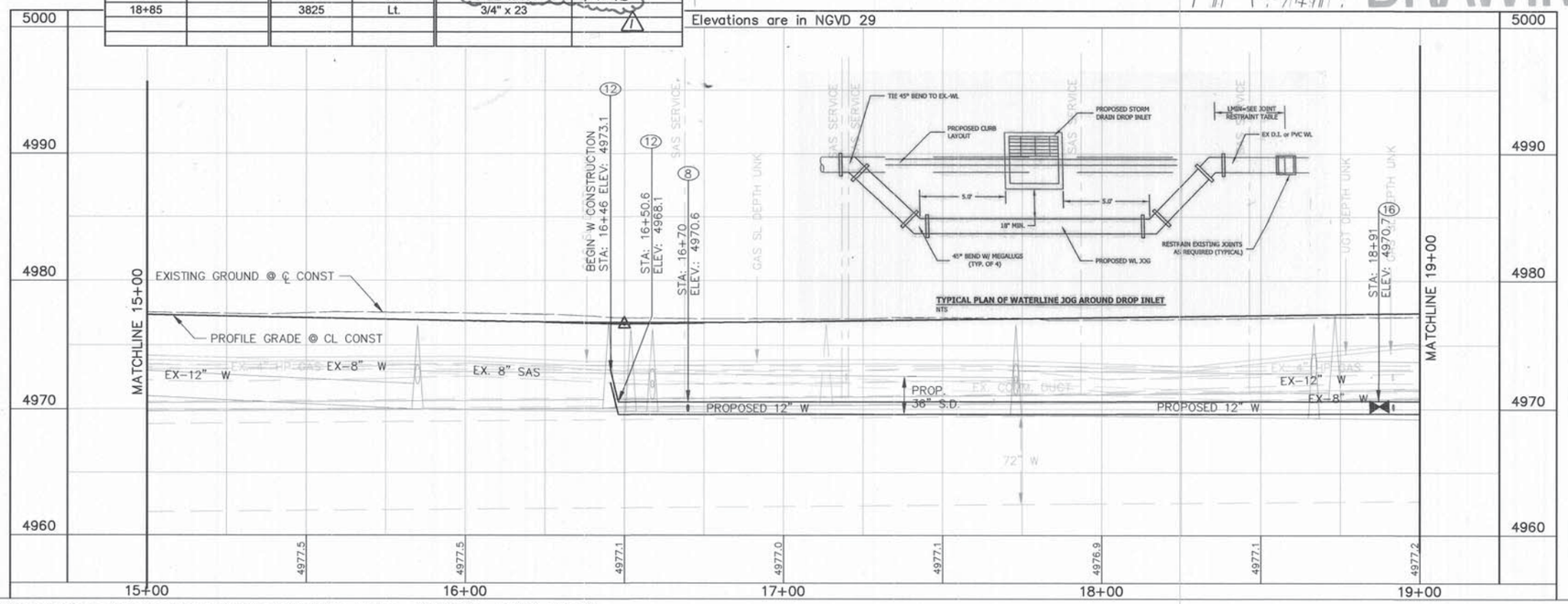


KEYED NOTES CONTINUED:

15. INSTALL 6" 45° BENDS MAINTAIN 18" CLEARANCE FROM OBSTRUCTION
16. INSTALL 8"X6" TEE

Edith Blvd. Water Service Locations

AS-BUILT STATION	~~AS BUILT~~	AS-BUILT ADDRESS	LT/RT	Meter Size/Service Length	~~AS BUILT~~
16+68		3710	Rt.	3/4" x 4' (HW)	
17+59		3811	Lt.	3/4" x 25'	
17+67		3712	Rt.	3/4" x 8'	
18+52		3714	Rt.	~~1 1/2" x 46'~~ 1" x 46'	
18+85		3825	Lt.	3/4" x 23	



TYPICAL PLAN OF WATERLINE JOG AROUND DROP INLET
NTS

GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. ALL WATERLINES SHALL BE CONSTRUCTED WITH A MINIMUM OF 3' OF COVER.
2. ELEVATIONS ARE TO THE TOP OF PIPE FOR WATERLINE

KEYED NOTES:

1. INSTALL FIRE HYDRANT AND 6" GV PER CITY OF ALBUQUERQUE STD. DWG. NO. 2340 AND DWG. NO. 2347, CASE 2.
2. CONSTRUCT NEW METERED SERVICE LINE PER CITY OF ALBUQUERQUE STD. DWG. NO. 2362 OR 2363. (NO SPLICING)
3. PROTECT IN PLACE.
4. INSTALL 8" 45° VERTICAL BEND MAINTAIN 18" CLEARANCE
5. INSTALL 12" 11.25° VERTICAL BEND. MAINTAIN 18" CLEARANCE FROM OBSTRUCTION
6. REMOVE AND SALVAGE EXISTING FH
7. INSTALL 10" 45° VERTICAL BEND MAINTAIN 18" CLEARANCE FROM OBSTRUCTION
8. INSTALL 12"X6" TEE
9. INSTALL 6" GV W/VB
10. INSTALL 12" GV W/VB
11. INSTALL 10" GV W/VB
12. INSTALL 12" 45° VERTICAL BEND MAINTAIN 18" CLEARANCE FROM OBSTRUCTION
13. INSTALL 10"X6" TEE
14. CONNECT TO EXISTING WL W/NON PRESSURE CONNECTION & TRANSITION COUPLING

AS BUILT INFORMATION
CONTRACTOR A.S. HARVEY
WORK INSPECTED BY Jasper Miller 7/09 DATE
INSPECTOR'S ALLOWANCE BY BCPWD 7/09 DATE
FIELD VERIFICATION BY BCPWD 7/09 DATE
DRAWING CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on solid drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
BY
DATE
NO.

ENGINEER'S SEAL
JAMES H. BOWMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REVISED WATERLINE	BY
1	04/09		VRV

DESIGN
DESIGNED BY TWTK DATE 10/31/06
DRAWN BY TWTK DATE 10/31/06
CHECKED BY DM DATE 10/31/06

PB Parsons 100 Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD WATER LINE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 12-3

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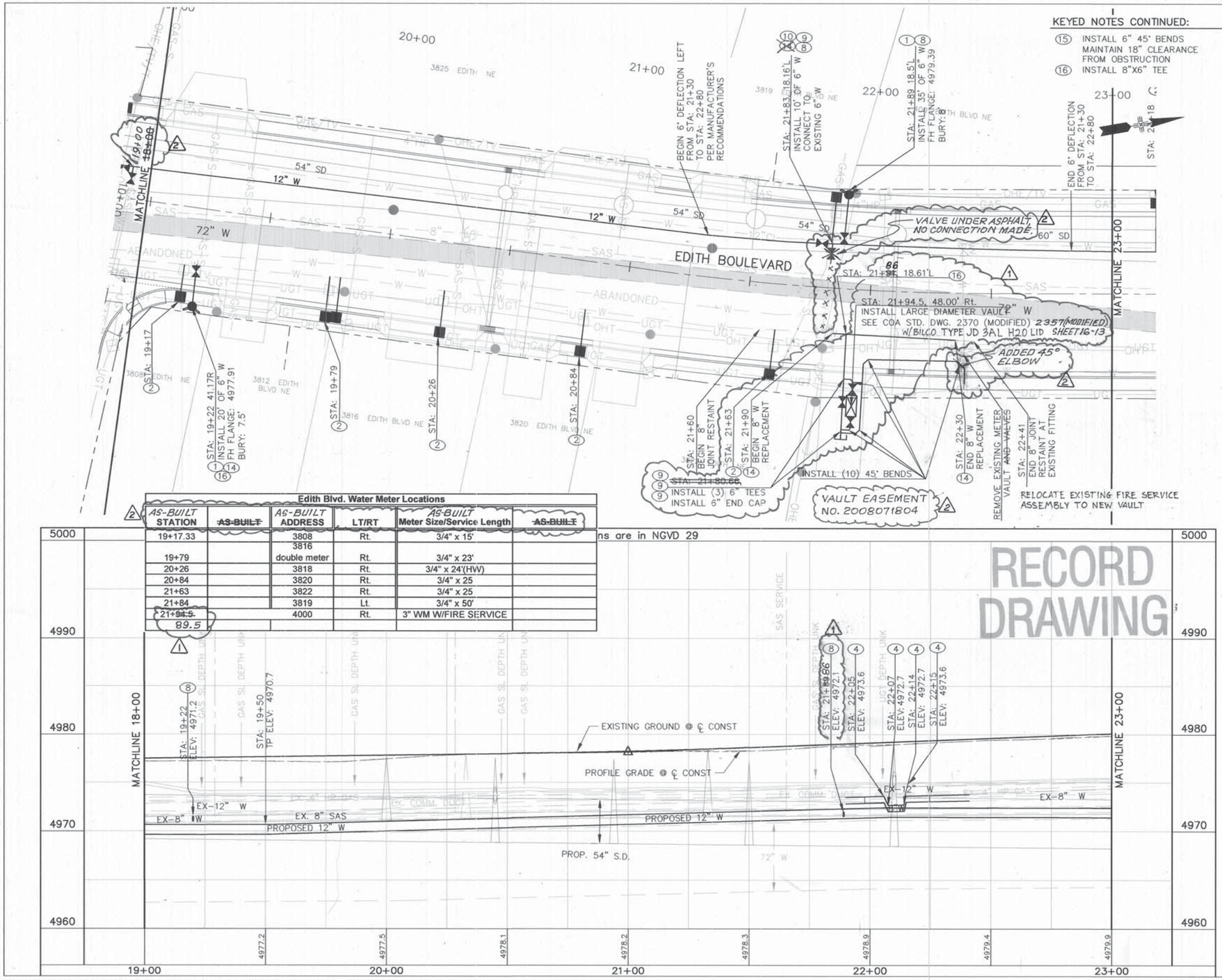

Edith Blvd. Water Meter Locations

AS-BUILT STATION	~~AS-BUILT~~	AS-BUILT ADDRESS	LT/RT	AS-BUILT Meter Size/Service Length	~~AS-BUILT~~
19+17.33		3808	Rt.	3/4" x 15'	
19+79		3816 double meter	Rt.	3/4" x 23'	
20+26		3818	Rt.	3/4" x 24'(HW)	
20+84		3820	Rt.	3/4" x 25	
21+63		3822	Rt.	3/4" x 25	
21+84		3819	Lt.	3/4" x 50'	
~~21+94.5~~ 89.5		4000	Rt.	3" WM W/FIRE SERVICE	

KEYED NOTES CONTINUED:

15. INSTALL 6" 45° BENDS MAINTAIN 18" CLEARANCE FROM OBSTRUCTION
16. INSTALL 8"X6" TEE

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. ALL WATERLINES SHALL BE CONSTRUCTED WITH A MINIMUM OF 3' OF COVER.
2. ELEVATIONS ARE TO THE TOP OF PIPE FOR WATERLINE

KEYED NOTES:

1. INSTALL FIRE HYDRANT AND 6" GV PER CITY OF ALBUQUERQUE STD. DWG. NO. 2340 AND DWG. NO. 2347, CASE 2.
2. CONSTRUCT NEW METERED SERVICE LINE PER CITY OF ALBUQUERQUE STD. DWG. NO. 2362 OR 2363. (NO SPLICING)
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11. INSTALL 10" GV W/VB
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13. INSTALL 10"X6" TEE
14. CONNECT TO EXISTING WL W/NON PRESSURE CONNECTION & TRANSITION COUPLING

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER DATE
WORK STAKED BY Juarez Miller 7/06 DATE
INSPECTORS FURNISHED BY BCPWD 7/06 DATE
FIELD VERIFICATION BY BCPWD 3/07 DATE
AS-BUILTS COMPILED BY P.B. 5/07 DATE
CORRECTED BY MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on solid drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER
ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	04/09	REVISED STA., VALVE ADDED ELBOW	VRV
2	2/6/08	REVISED VAULT	JHB

DESIGN
DESIGNED BY TWTK DATE 10/31/06
DRAWN BY TWTK DATE 10/31/06
CHECKED BY DM DATE 10/31/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD WATER LINE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 16 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	12-4

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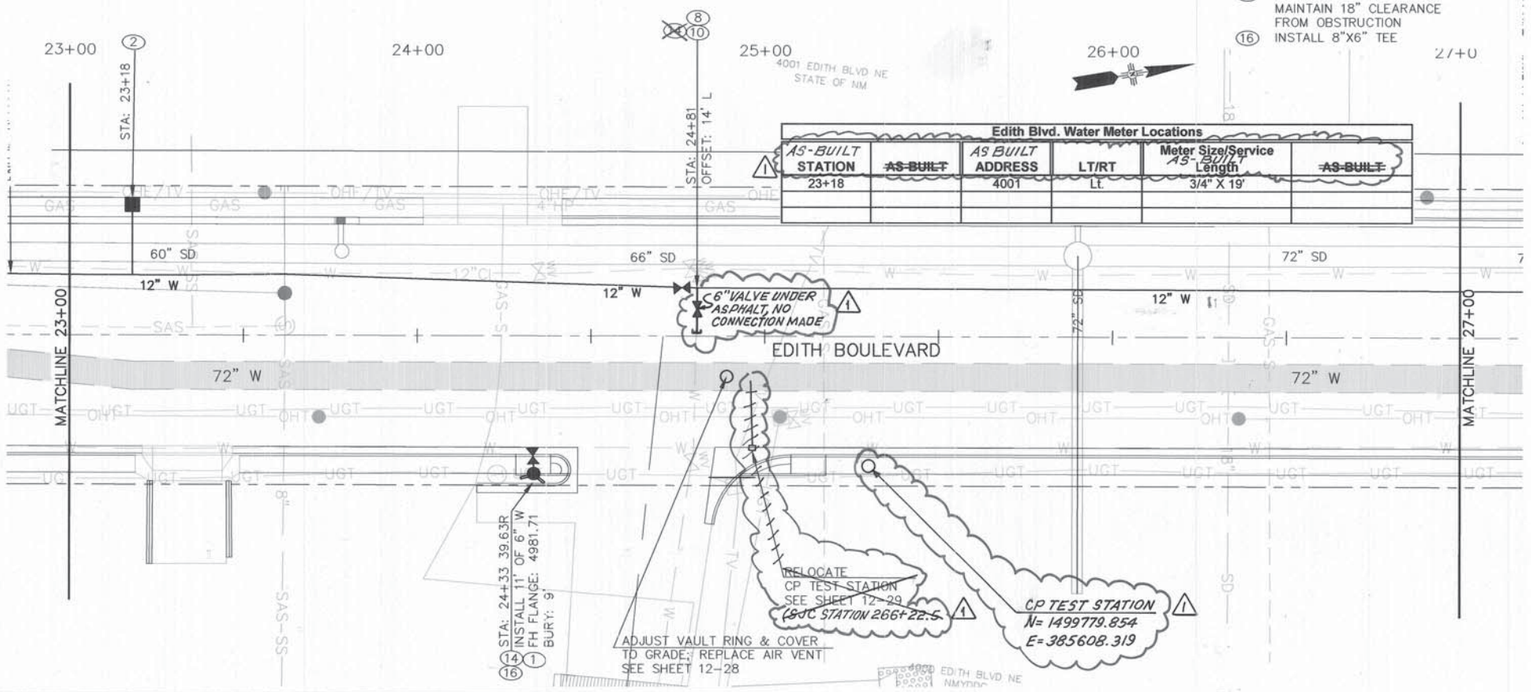


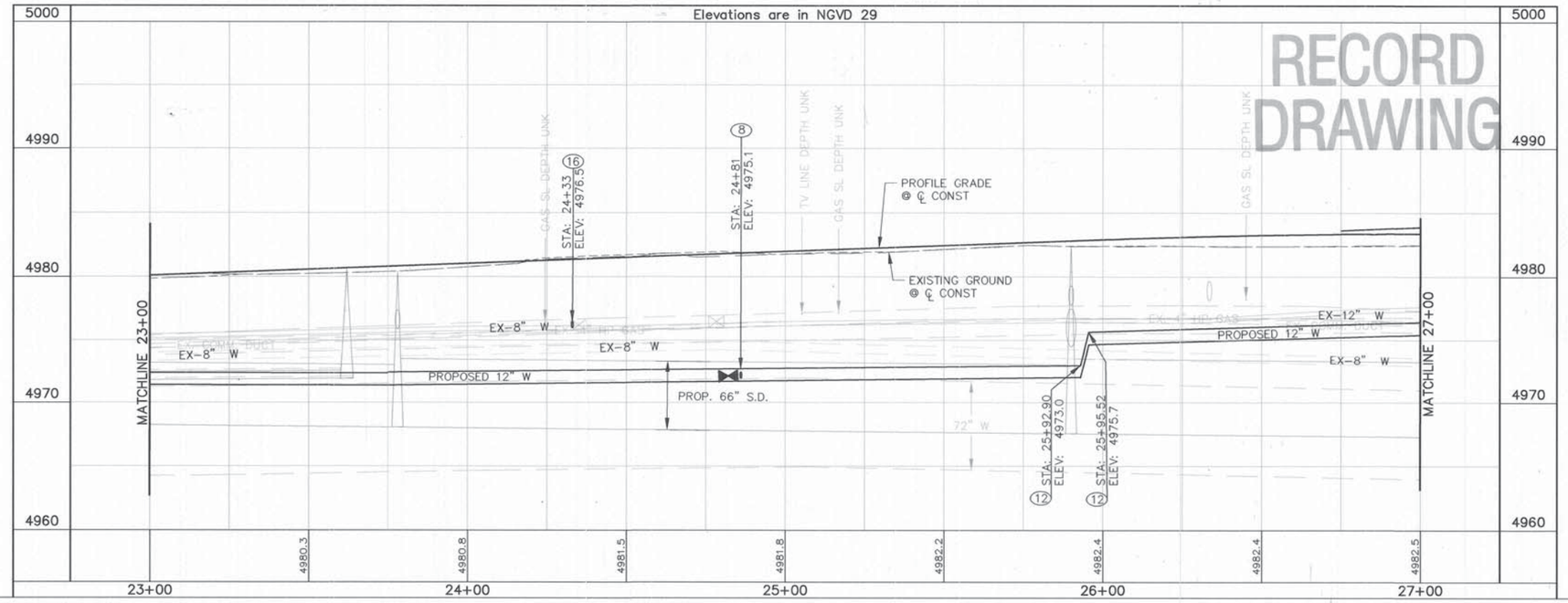
KEYED NOTES CONTINUED:

(15) INSTALL 6" 45° BENDS MAINTAIN 18" CLEARANCE FROM OBSTRUCTION

(16) INSTALL 8"X6" TEE

Edith Blvd. Water Meter Locations

AS-BUILT STATION	~~AS-BUILT~~	AS BUILT ADDRESS	LT/RT	Meter Size/Service AS-Built Length	~~AS-BUILT~~
23+18		4001	Lt.	3/4" X 19'	



GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. ALL WATERLINES SHALL BE CONSTRUCTED WITH A MINIMUM OF 3' OF COVER.
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KEYED NOTES:

(1) INSTALL FIRE HYDRANT AND 6" GV PER CITY OF ALBUQUERQUE STD. DWG. NO. 2340 AND DWG. NO. 2347, CASE 2.
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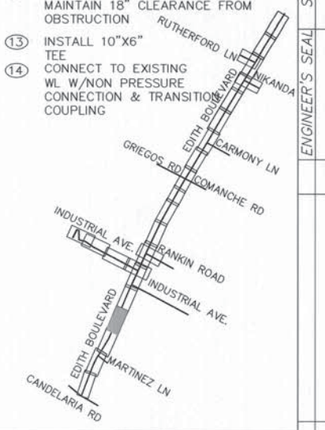
(10) INSTALL 12" GV W/VB
(11) INSTALL 10" GV W/VB
(12) INSTALL 12" 45° VERTICAL BEND MAINTAIN 18" CLEARANCE FROM OBSTRUCTION
(13) INSTALL 10"X6" TEE
(14) CONNECT TO EXISTING WL W/NON PRESSURE CONNECTION & TRANSITION COUPLING



PB Parsons 100 Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HARVEY
WORK STAKED BY SNYDER MILLER 7/08 DATE
INSPECTOR'S ACCEPTANCE BY BCPWD 4/09 DATE
FIELD VERIFICATION BY BCPWD 4/09 DATE
DRAWING CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES BY DATE NO.

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	04/09	REVISED 6" VALVE CONNECTION	VAV

DESIGN
DESIGNED BY TWTK DATE 10/31/06
DRAWN BY TWTK DATE 10/31/06
CHECKED BY DM DATE 10/31/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD WATER LINE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 12-5

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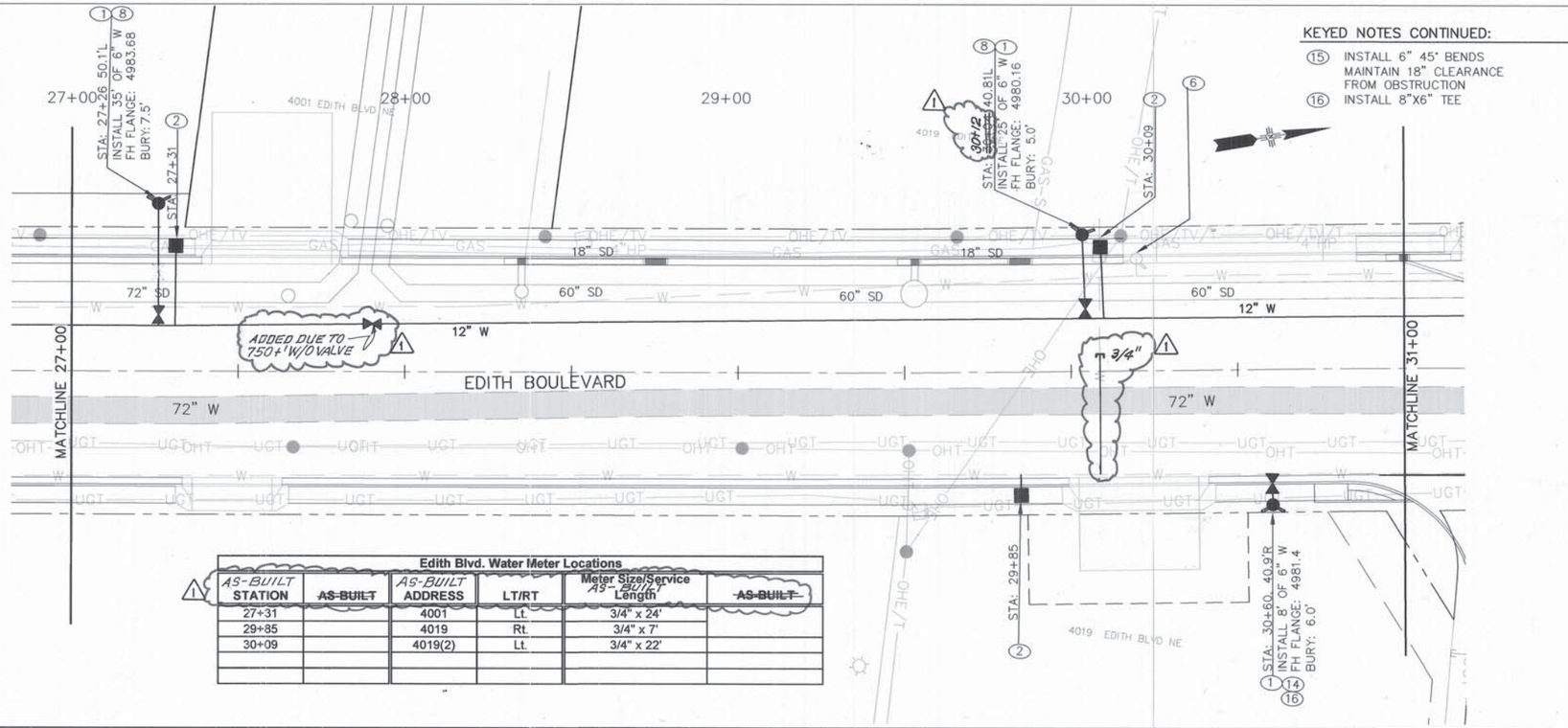
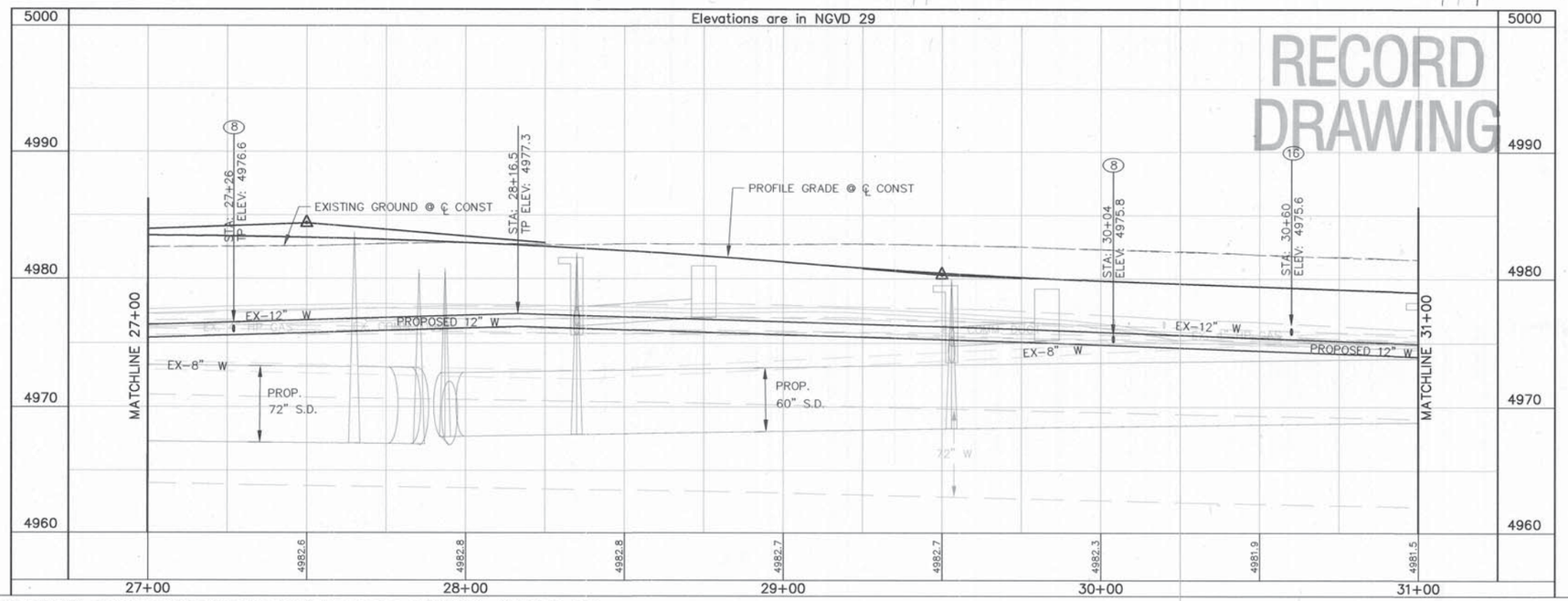


KEYED NOTES CONTINUED:

15. INSTALL 6" 45° BENDS MAINTAIN 18" CLEARANCE FROM OBSTRUCTION
16. INSTALL 8"X6" TEE

Edith Blvd. Water Meter Locations

AS-BUILT STATION	~~AS-BUILT~~	AS-BUILT ADDRESS	LT/RT	Meter Size/Service AS-BUILT Length	~~AS-BUILT~~
27+31		4001	Lt.	3/4" x 24'	
29+85		4019	Rt.	3/4" x 7'	
30+09		4019(2)	Lt.	3/4" x 22'	



GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. ALL WATERLINES SHALL BE CONSTRUCTED WITH A MINIMUM OF 3' OF COVER.
2. ELEVATIONS ARE TO THE TOP OF PIPE FOR WATERLINE

KEYED NOTES:

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2. CONSTRUCT NEW METERED SERVICE LINE PER CITY OF ALBUQUERQUE STD. DWG. NO. 2362 OR 2363. (NO SPLICING)
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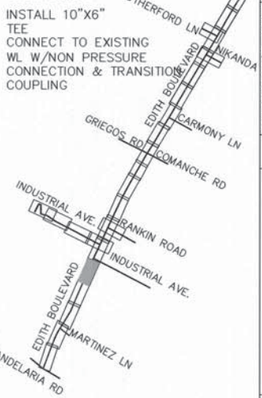
14. CONNECT TO EXISTING WL W/NON PRESSURE CONNECTION & TRANSITION COUPLING



PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HARWEK DATE
STAKED BY Snyder Miller Hg DATE
INSPECTOR'S SIGNATURE BCPWD DATE
FIELD LOCATION BY BCPWD DATE
CORRECTED BY P.B. DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCHANAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	04/09	REVISED WATERLINE	VRV

DESIGN
DESIGNED BY TWTK DATE 10/31/06
DRAWN BY TWTK DATE 10/31/06
CHECKED BY DM DATE 10/31/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD WATER LINE

DESIGN REVIEW COMMITTEE: APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED NOV 14 2007 CITY ENGINEER
MO./DAY/YR. | MO./DAY/YR.

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 12-6

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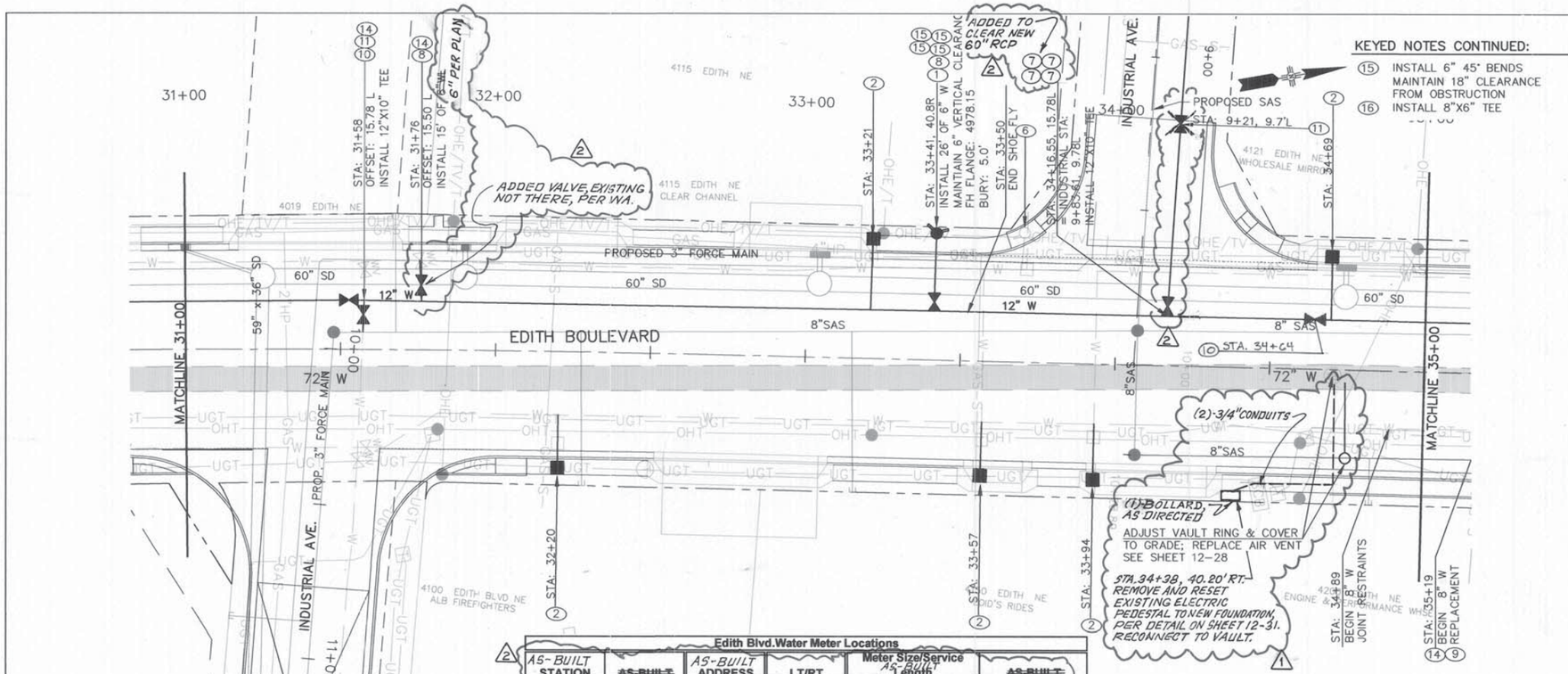

Edith Blvd.Water Meter Locations

AS-BUILT STATION	~~AS-BUILT~~	AS-BUILT ADDRESS	LT/RT	Meter Size/Service Length AS-BUILT	~~AS-BUILT~~
32+20		4100	Rt.	~~3/4" x 24'~~	
33+21		4115	Lt.	~~3/4" x 22'~~	~~1"x 22'~~
33+57		4150	Rt.	3/4" x 24' (HW)	
33+94		4150A	Rt.	3/4" x 24' (HW)	
34+69		4121	Lt.	1" x 21' (HW)	

KEYED NOTES CONTINUED:

15. INSTALL 6" 45° BENDS MAINTAIN 18" CLEARANCE FROM OBSTRUCTION
16. INSTALL 8"X6" TEE

GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. ALL WATERLINES SHALL BE CONSTRUCTED WITH A MINIMUM OF 3' OF COVER.
2. ELEVATIONS ARE TO THE TOP OF PIPE FOR WATERLINE

KEYED NOTES:

1. INSTALL FIRE HYDRANT AND 6" GV PER CITY OF ALBUQUERQUE STD. DWG. NO. 2340 AND DWG. NO. 2347, CASE 2.
2. CONSTRUCT NEW METERED SERVICE LINE PER CITY OF ALBUQUERQUE STD. DWG. NO. 2362 OR 2363. (NO SPLICING)
3. PROTECT IN PLACE.
4. INSTALL 8" 45° VERTICAL BEND MAINTAIN 18" CLEARANCE
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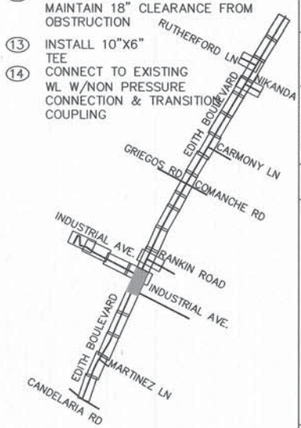

AS BUILT INFORMATION
CONTRACTOR A.S. HANOVER DATE
WORK STAKED BY Souder Miller 7/09 DATE
INSPECTORS NAME(S) & INITIALS BY BC PWD 7/09 DATE
FIELD VERIFICATION BY BCPWD 7/09 DATE
AS-BUILTS CORRECTED BY P.B. 7/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BRICKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
5/09		REVISE WATER SERVICE	VRV
2/8/07		RELOCATE PEDESTAL	VHB

DESIGN
DESIGNED BY TWTK DATE 10/31/06
DRAWN BY TWTK DATE 10/31/06
CHECKED BY DM DATE 10/31/06

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD WATER LINE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 12-7

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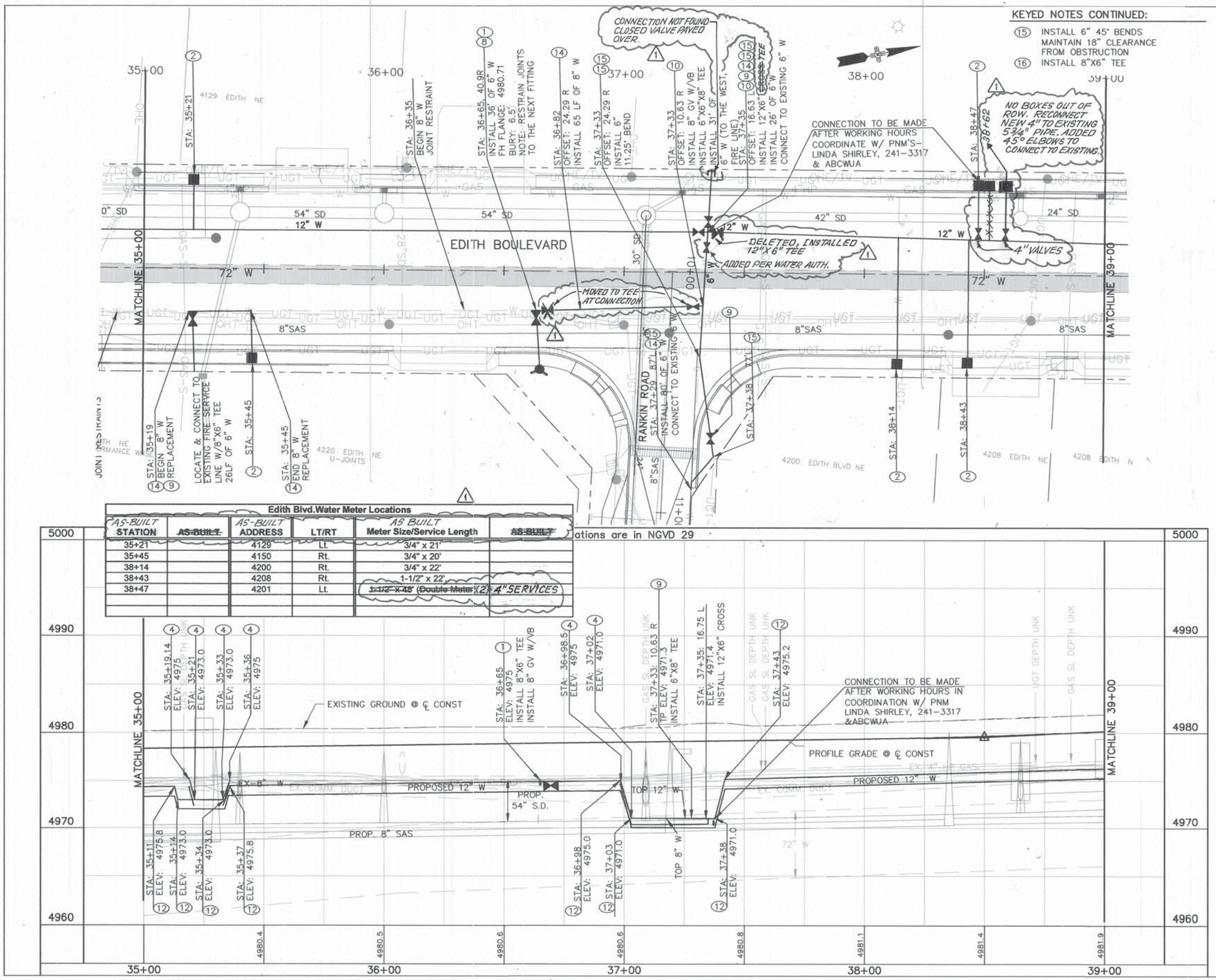
RECORD DRAWING



KEYED NOTES CONTINUED:

(15) INSTALL 6" 45° BENDS MAINTAIN 18" CLEARANCE FROM OBSTRUCTION
(16) INSTALL 8"X6" TEE

Edith Blvd.Water Meter Locations

AS-BUILT STATION	~~AS-BUILT~~	AS-BUILT ADDRESS	LT/RT	AS BUILT Meter Size/Service Length	~~AS-BUILT~~
35+21		4129	Lt.	3/4" x 21'	
35+45		4150	Rt.	3/4" x 20'	
38+14		4200	Rt.	3/4" x 22'	
38+43		4208	Rt.	1-1/2" x 22',	
38+47		4201	Lt.	~~1-1/2" x 48' (Double Meter)~~ (2) 4" SERVICES	

Elevations are in NGVD 29

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. ALL WATERLINES SHALL BE CONSTRUCTED WITH A MINIMUM OF 3' OF COVER.
2. ELEVATIONS ARE TO THE TOP OF PIPE FOR WATERLINE

KEYED NOTES:

(1) INSTALL FIRE HYDRANT AND 6" GV PER CITY OF ALBUQUERQUE STD. DWG. NO. 2340 AND DWG. NO. 2347, CASE 2.
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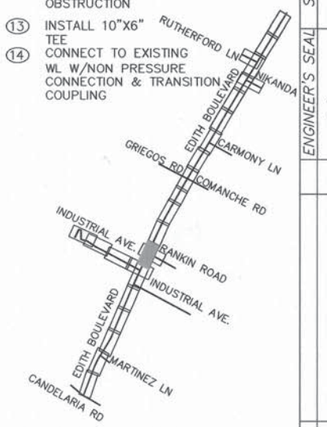
(13) INSTALL 10"X6" TEE
(14) CONNECT TO EXISTING WL W/NON PRESSURE CONNECTION & TRANSITION COUPLING



AS BUILT INFORMATION
CONTRACTOR A.S. ANDREW
WORK INSPECTORS PERFORMED BY Jennifer Miller 5/08 DATE
FIELD VERIFICATION BY BCPWD 5/09 DATE
FIELD LOCATION BY BCPWD 5/09 DATE
DRAWING CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15".

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	05/09	REVISED WATER SERVICE	VAV

DESIGN

DESIGNED BY	TWTK	10/31/06
DRAWN BY	TWTK	10/31/06
CHECKED BY	DM	10/31/06

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD WATER LINE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	12-8

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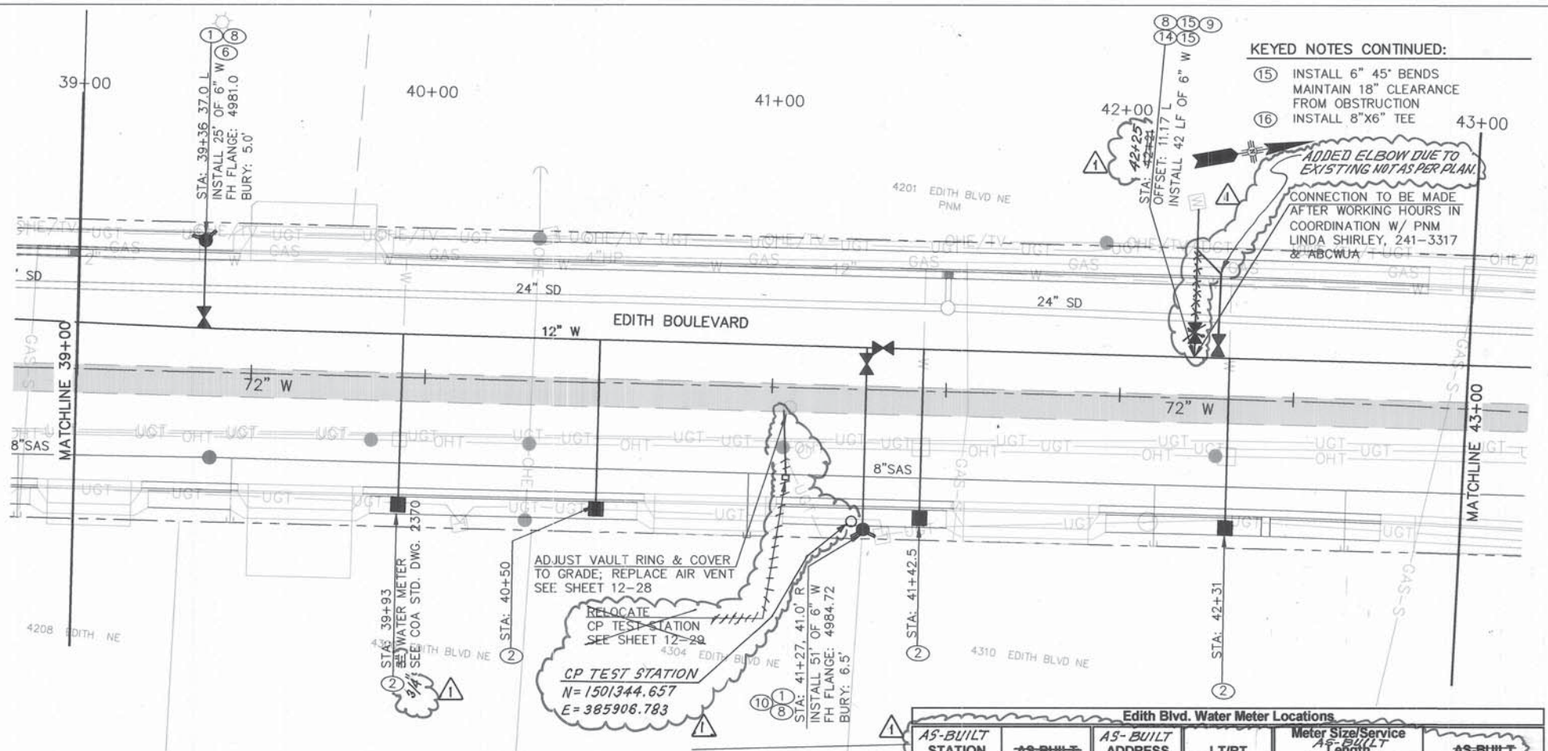


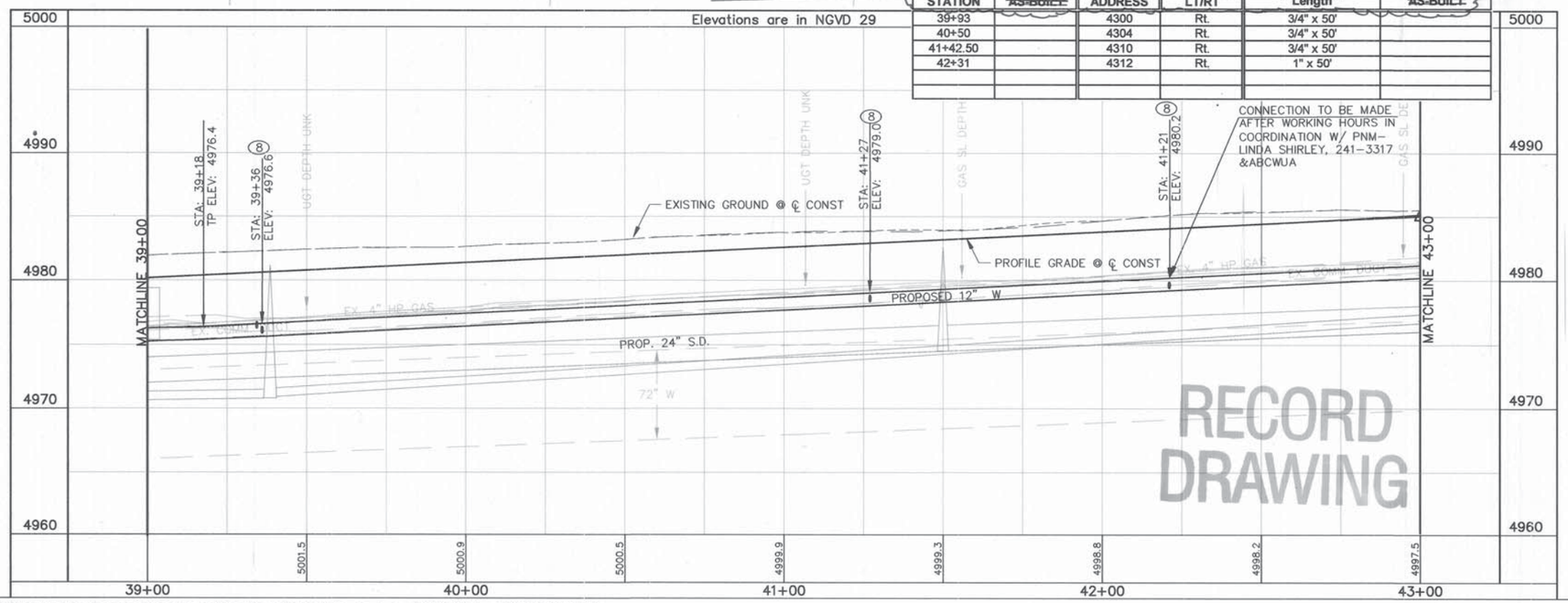
KEYED NOTES CONTINUED:

(15) INSTALL 6" 45° BENDS MAINTAIN 18" CLEARANCE FROM OBSTRUCTION

(16) INSTALL 8"X6" TEE

Edith Blvd. Water Meter Locations

AS-BUILT STATION	~~AS-BUILT~~	AS-BUILT ADDRESS	LT/RT	AS-BUILT Meter Size/Service Length	~~AS-BUILT~~
39+93		4300	Rt.	3/4" x 50'	
40+50		4304	Rt.	3/4" x 50'	
41+42.50		4310	Rt.	3/4" x 50'	
42+31		4312	Rt.	1" x 50'	



RECORD DRAWING

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. ALL WATERLINES SHALL BE CONSTRUCTED WITH A MINIMUM OF 3' OF COVER.
2. ELEVATIONS ARE TO THE TO OF PIPE FOR WATERLINE

KEYED NOTES:

(1) INSTALL FIRE HYDRANT AND 6" GV PER CITY OF ALBUQUERQUE STD. DWG. NO. 2340 AND DWG. NO. 2347, CASE 2.

(2) CONSTRUCT NEW METERED SERVICE LINE PER CITY OF ALBUQUERQUE STD. DWG. NO. 2362 OR 2363. (NO SPLICING)

(3) PROTECT IN PLACE.

(4) INSTALL 8" 45° VERTICAL BEND MAINTAIN 18" CLEARANCE

(5) INSTALL 12" 11.25° VERTICAL BEND. MAINTAIN 18" CLEARANCE FROM OBSTRUCTION

(6) REMOVE AND SALVAGE EXISTING FH

(7) INSTALL 10" 45° VERTICAL BEND MAINTAIN 18" CLEARANCE FROM OBSTRUCTION

(8) INSTALL 12"X6" TEE

(9) INSTALL 6" GV W/VB

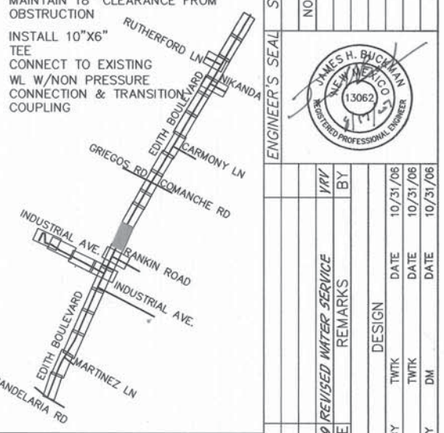
(10) INSTALL 12" GV W/VB

(11) INSTALL 10" GV W/VB

(12) INSTALL 12" 45° VERTICAL BEND MAINTAIN 18" CLEARANCE FROM OBSTRUCTION

(13) INSTALL 10"X6" TEE

(14) CONNECT TO EXISTING WL W/NON PRESSURE CONNECTION & TRANSITION COUPLING



PB Parsons Brinckerhoff

AS BUILT INFORMATION

CONTRACTOR A.S. HARVEY

WORK INSPECTED BY		DATE
JAMES MILLER		1/09
INSPECTOR'S CHANGE BY	BJPWD	1/09
FIELD VERIFICATION BY	BJPWD	1/09
DRAWING CORRECTED BY	P.B.	5/09
MICRO-FILM INFORMATION		
RECORDED BY		DATE

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REVISED WATER SERVICE REMARKS	BY
1	05/09		VAV

DESIGN

		DATE
DESIGNED BY	TWTK	10/31/06
DRAWN BY	TWTK	10/31/06
CHECKED BY	DM	10/31/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

EDITH BOULEVARD WATER LINE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	12-9

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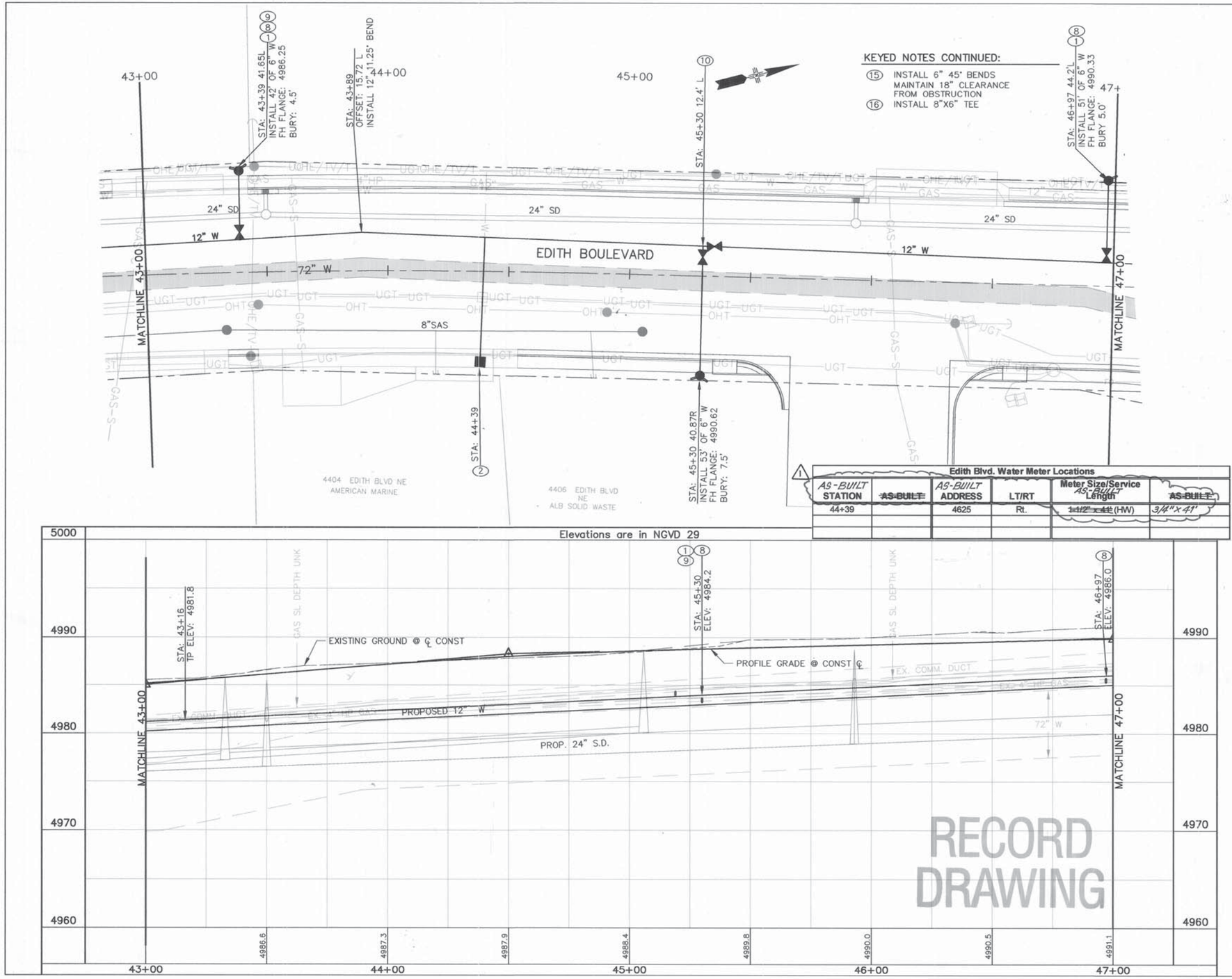


1 **Edith Blvd. Water Meter Locations**

AS-BUILT STATION	~~AS-BUILT~~	AS-BUILT ADDRESS	LT/RT	Meter Size/Service Length AS-BUILT	~~AS-BUILT~~
44+39		4625	Rt.	~~1-1/2" x 41'~~ (HW)	3/4"x 41'

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. ALL WATERLINES SHALL BE CONSTRUCTED WITH A MINIMUM OF 3' OF COVER.
2. ELEVATIONS ARE TO THE TOP OF PIPE FOR WATERLINE

KEYED NOTES:

(1) INSTALL FIRE HYDRANT AND 6" GV PER CITY OF ALBUQUERQUE STD. DWG. NO. 2340 AND DWG. NO. 2347, CASE 2.
(2) CONSTRUCT NEW METERED SERVICE LINE PER CITY OF ALBUQUERQUE STD. DWG. NO. 2362 OR 2363. (NO SPLICING)
(3) PROTECT IN PLACE.
(4) INSTALL 8" 45° VERTICAL BEND MAINTAIN 18" CLEARANCE
(5) INSTALL 12" 11.25° VERTICAL BEND. MAINTAIN 18" CLEARANCE FROM OBSTRUCTION
(6) REMOVE AND SALVAGE EXISTING FH
(7) INSTALL 10" 45° VERTICAL BEND MAINTAIN 18" CLEARANCE FROM OBSTRUCTION
(8) INSTALL 12"X6" TEE
(9) INSTALL 6" GV W/VB
(10) INSTALL 12" GV W/VB
(11) INSTALL 10" GV W/VB
(12) INSTALL 12" 45° VERTICAL BEND MAINTAIN 18" CLEARANCE FROM OBSTRUCTION
(13) INSTALL 10"X6" TEE
(14) CONNECT TO EXISTING WL W/NON PRESSURE CONNECTION & TRANSITION COUPLING

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HARPER
STAKED BY Siebert Miller 3/06 DATE
INSPECTOR'S APPROVAL BY B.P.W.D. 3/09 DATE
FIELD LOCATION BY B.P.W.D. 4/09 DATE
CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	05/09	REVISED WATER METER LOCATION BLK: V&V	

DESIGN

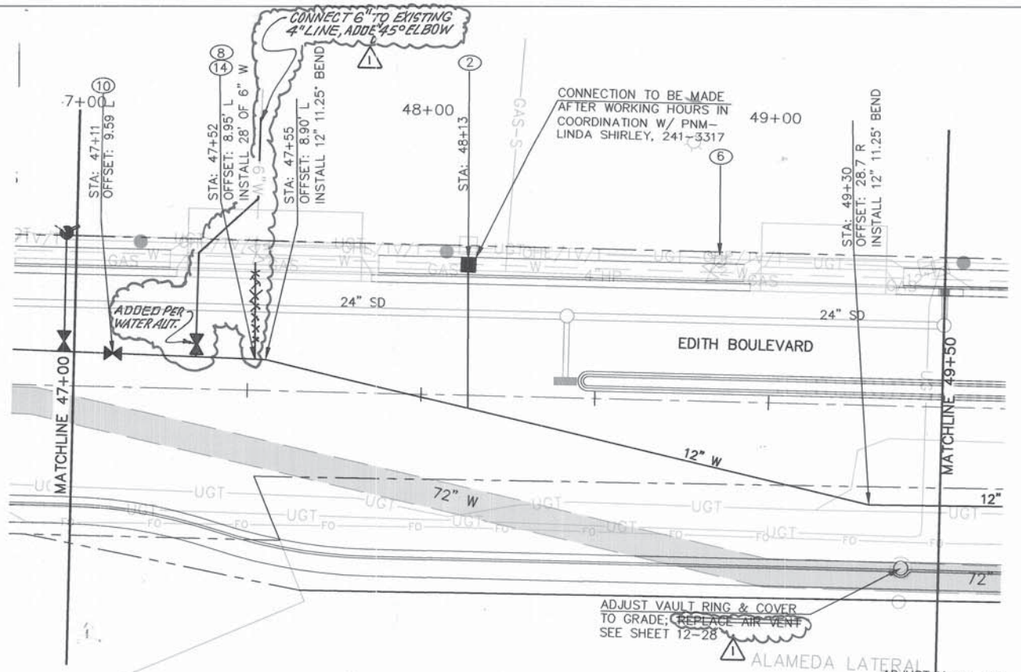
		DATE
DESIGNED BY	TWTK	10/31/06
DRAWN BY	TWTK	10/31/06
CHECKED BY	DM	10/31/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD WATER LINE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 12-10

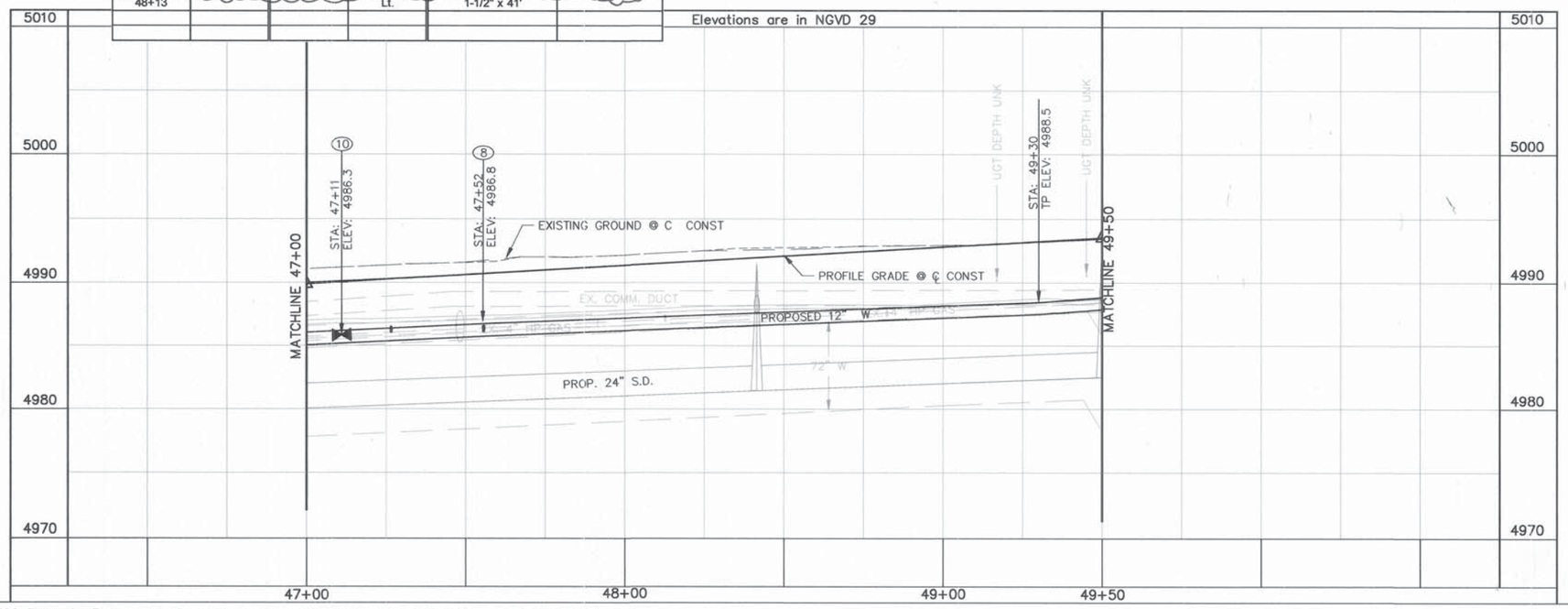


15 INSTALL 6" 45° BENDS MAINTAIN 18" CLEARANCE FROM OBSTRUCTION

16 INSTALL 8"X6" TEE

1 Edith Blvd. Water Meter Locations

AS-BUILT STATION	~~AS-BUILT~~	AS-BUILT ADDRESS	LT/RT	Meter Size/Service Length AS-BUILT	~~AS-BUILT~~
48+13			Lt.	1-1/2" x 41'	



RECORD DRAWING

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.
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GENERAL NOTES

1. ALL WATERLINES SHALL BE CONSTRUCTED WITH A MINIMUM OF 3' OF COVER.
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KEYED NOTES:

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2. CONSTRUCT NEW METERED SERVICE LINE PER CITY OF ALBUQUERQUE STD. DWG. NO. 2362 OR 2363. (NO SPLICING)
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13. INSTALL 10"X6" TEE
14. CONNECT TO EXISTING WL W/NON PRESSURE CONNECTION & TRANSITION COUPLING

PB Parsons Brinckerhoff

AS BUILT INFORMATION

CONTRACTOR A.S. HANOVER DATE

WORK STAKED BY Sanchez, Mullen, Tapia DATE

INSPECTOR'S ACCEPTANCE BY BJPWD 3/09 DATE

FIELD VERIFICATION BY BJPWD 4/09 DATE

AS-BUILTS COMPILED BY BJPWD 4/09 DATE

CORRECTION BY P.B. 5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.

NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCHMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY	DESIGN	DATE
1	05/09	REVISED WATER SERVICE	VRV		
				DESIGNED BY TWTK	10/31/06
				DRAWN BY TWTK	10/31/06
				CHECKED BY DM	10/31/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

EDITH BOULEVARD WATER LINE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F–15, G–15	12–11

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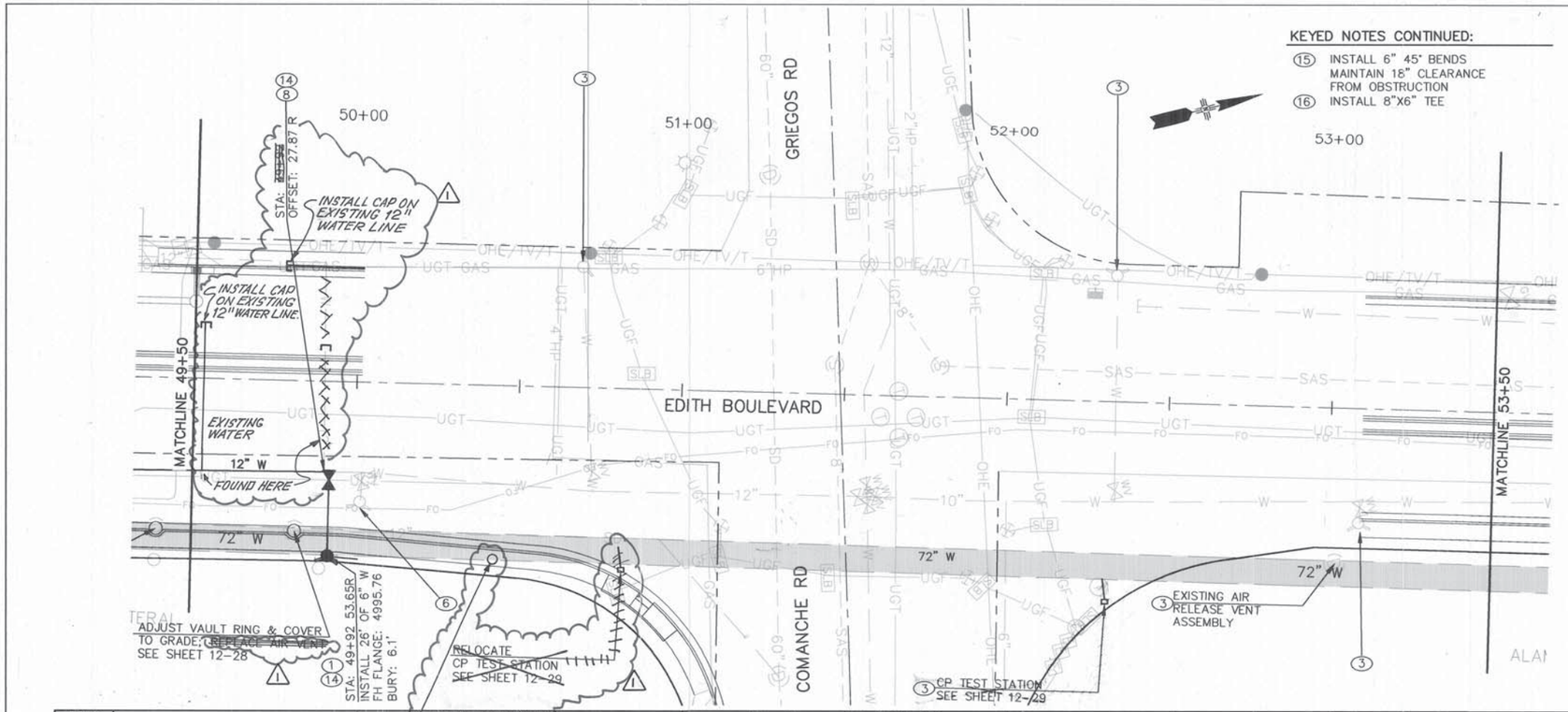

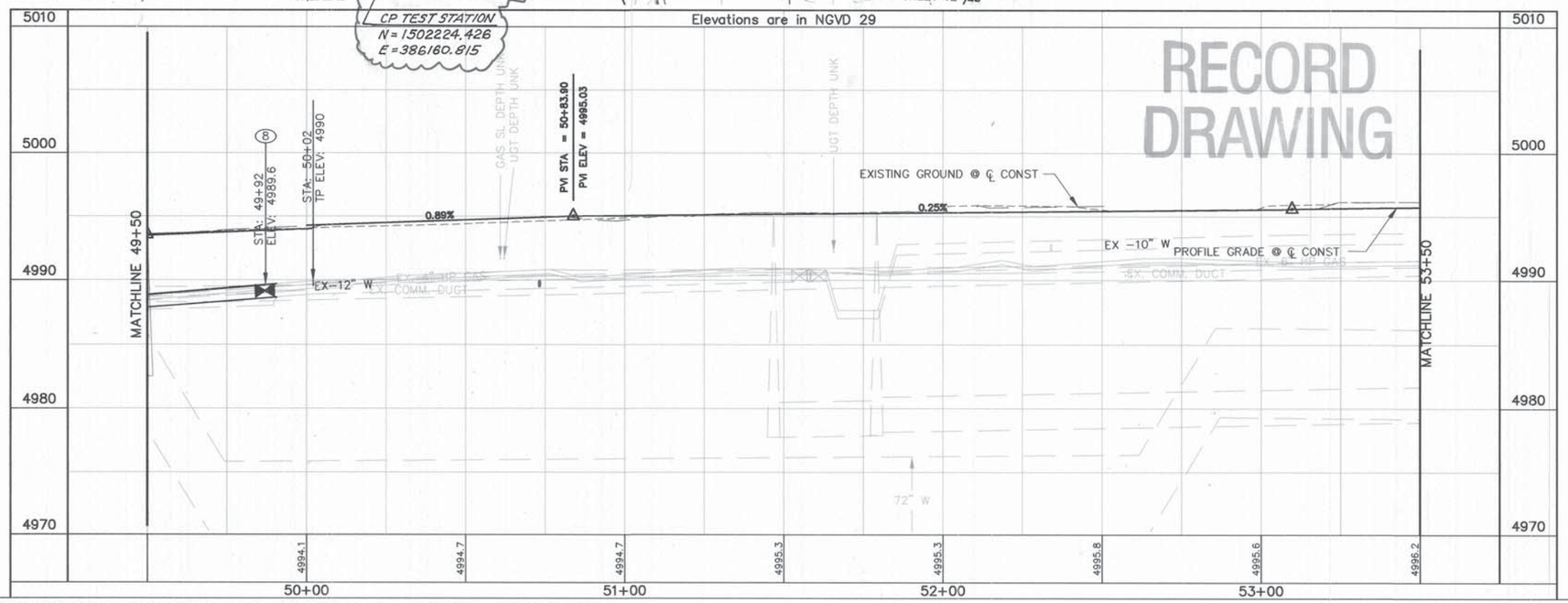

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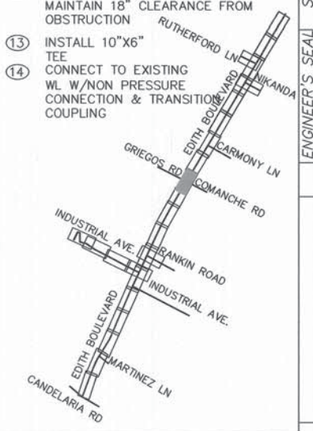
(13) INSTALL 10"X6" TEE
(14) CONNECT TO EXISTING WL W/NON PRESSURE CONNECTION & TRANSITION COUPLING



PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HOOVER
WORK STAKED BY SAMUEL MILLER 3/08 DATE
INSPECTORS ACCEPTANCE BY B.DAVID 3/09 DATE
FIELD VERIFICATION BY B.DAVID 3/09 DATE
LINE & GRADE CORRECTED BY F.B. 3/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES BY DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	05/09	REVISED WATER SERVICE	VRV

DESIGN
DESIGNED BY TWTK DATE 10/31/06
DRAWN BY TWTK DATE 10/31/06
CHECKED BY DM DATE 10/31/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD WATER LINE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	12-12

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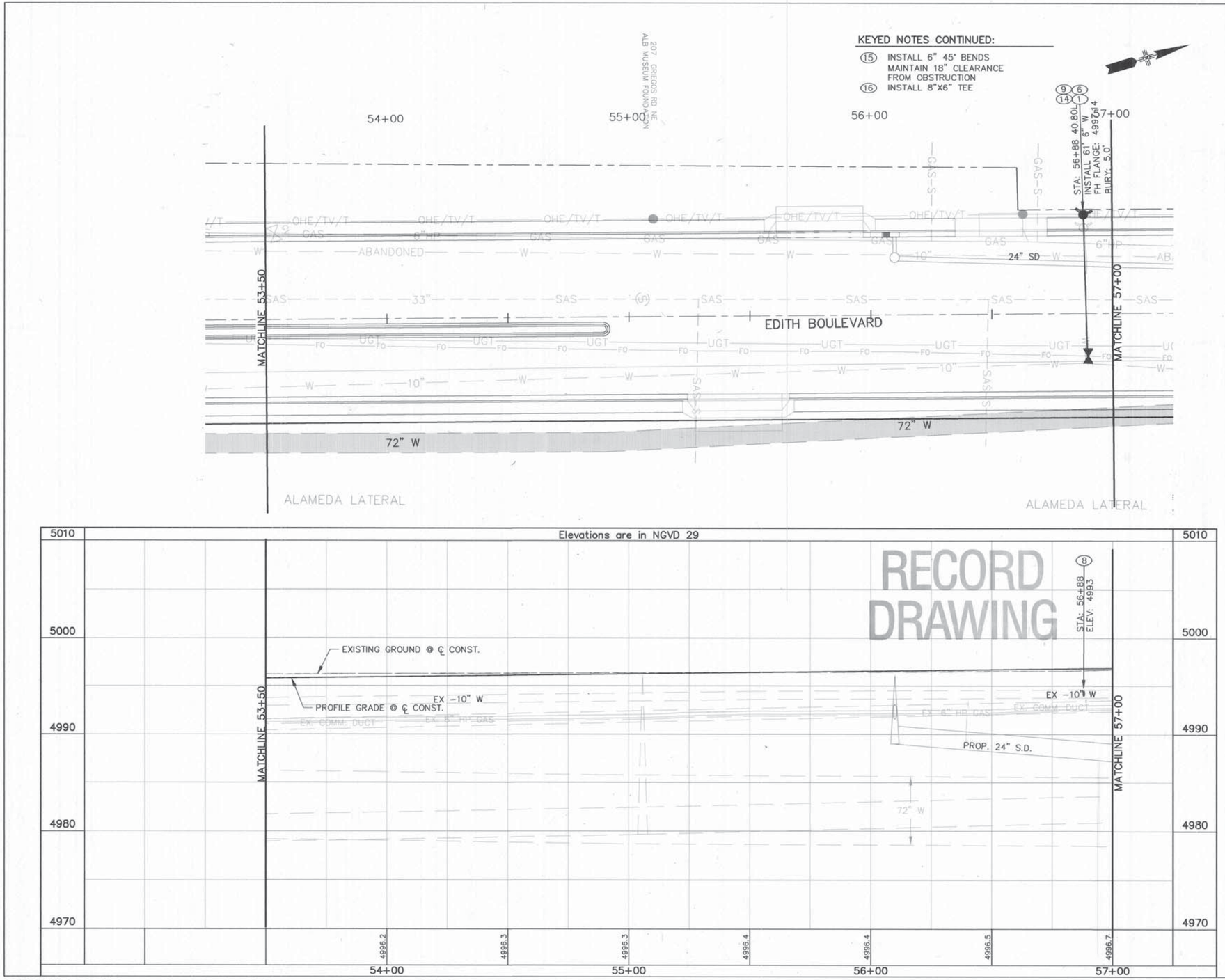

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(IN FEET)
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(13) INSTALL 10"X6" TEE
(14) CONNECT TO EXISTING WL W/NON PRESSURE CONNECTION & TRANSITION COUPLING

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
WORK COMPLETED BY DATE
INSPECTION & FINAL ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on sold drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY	TWTK
		DRAWN BY	TWTK
		CHECKED BY	DM

DESIGN	DATE
DESIGNED BY	10/31/06
DRAWN BY	10/31/06
CHECKED BY	10/31/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD WATER LINE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	12-13

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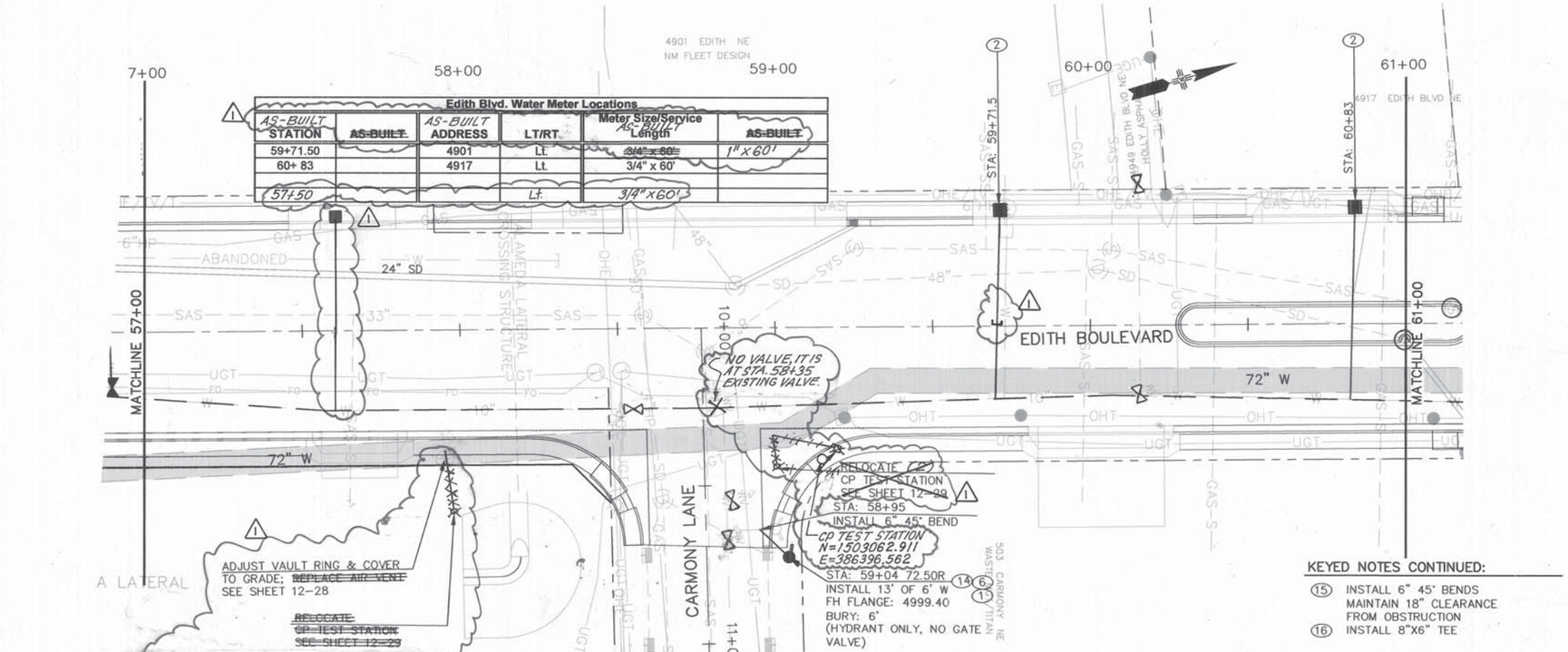

KEYED NOTES CONTINUED:

15. INSTALL 6" 45° BENDS MAINTAIN 18" CLEARANCE FROM OBSTRUCTION
16. INSTALL 8"X6" TEE

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

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2. ELEVATIONS ARE TO THE TOP OF PIPE FOR WATERLINE

KEYED NOTES:

1. INSTALL FIRE HYDRANT AND 6" GV PER CITY OF ALBUQUERQUE STD. DWG. NO. 2340 AND DWG. NO. 2347, CASE 2.
2. CONSTRUCT NEW METERED SERVICE LINE PER CITY OF ALBUQUERQUE STD. DWG. NO. 2362 OR 2363. (NO SPLICING)
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12. INSTALL 12" 45° VERTICAL BEND MAINTAIN 18" CLEARANCE FROM OBSTRUCTION
13. INSTALL 10"X6" TEE
14. CONNECT TO EXISTING WL W/NON PRESSURE CONNECTION & TRANSITION COUPLING

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HAEMER
WORK INSPECTED BY Sawyer Miller 3/09 DATE
INSPECTOR'S CHANGES BY BCPWD 1/09 DATE
FIELD VERIFICATION BY BCPWD 1/09 DATE
LEGAL REVIEW BY P.B. 3/09 DATE
CORRECTED BY MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
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NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
JAMES H. BUCHMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	05/09	REVISED WATER SERVICE	VRV

DESIGN
DESIGNED BY TWTK DATE 10/31/06
DRAWN BY TWTK DATE 10/31/06
CHECKED BY DM DATE 10/31/06

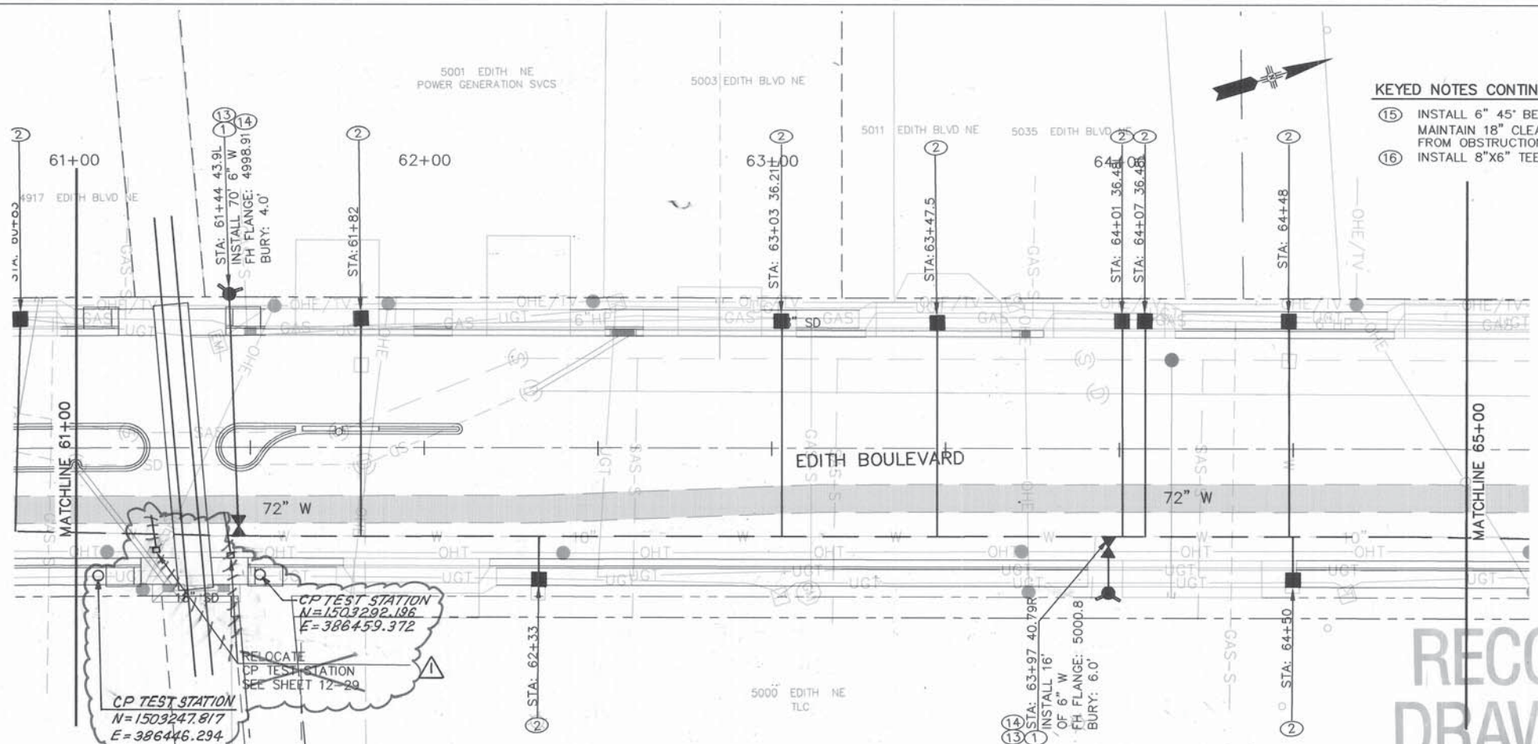
COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD WATER LINE

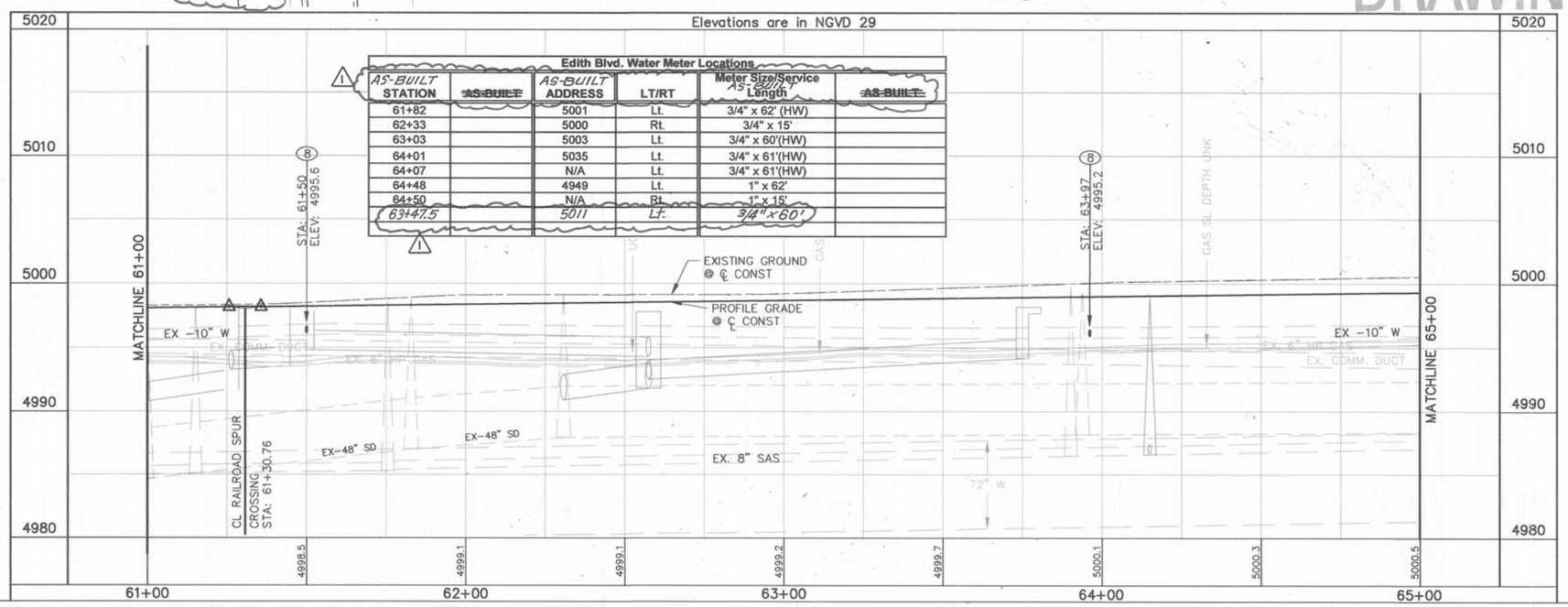
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	12-14

G:\33588_Edith\04 Engineering\Plans\Section 12\12 Wtr Ln.dwg 8/17/2007 5:58:20 PM MDT



RECORD DRAWING



Edith Blvd. Water Meter Locations

AS-BUILT STATION	~~AS-BUILT~~	AS-BUILT ADDRESS	LT/RT	Meter Size/Service AS-BUILT Length	~~AS-BUILT~~
61+82		5001	Lt.	3/4" x 62' (HW)	
62+33		5000	Rt.	3/4" x 15'	
63+03		5003	Lt.	3/4" x 60'(HW)	
64+01		5035	Lt.	3/4" x 61'(HW)	
64+07		N/A	Lt.	3/4" x 61'(HW)	
64+48		4949	Lt.	1" x 62'	
64+50		N/A	Rt.	1" x 15'	
63+47.5		5011	Lt.	3/4" x 60'	

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. ALL WATERLINES SHALL BE CONSTRUCTED WITH A MINIMUM OF 3' OF COVER.
2. ELEVATIONS ARE TO THE TOP OF PIPE FOR WATERLINE

KEYED NOTES:

1. INSTALL FIRE HYDRANT AND 6" GV PER CITY OF ALBUQUERQUE STD. DWG. NO. 2340 AND DWG. NO. 2347, CASE 2.
2. CONSTRUCT NEW METERED SERVICE LINE PER CITY OF ALBUQUERQUE STD. DWG. NO. 2362 OR 2363. (NO SPLICING)
3. PROTECT IN PLACE.
4. INSTALL 8" 45° VERTICAL BEND MAINTAIN 18" CLEARANCE
5. INSTALL 12" 11.25° VERTICAL BEND. MAINTAIN 18" CLEARANCE FROM OBSTRUCTION
6. REMOVE AND SALVAGE EXISTING FH
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10. INSTALL 12" GV W/VB
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13. INSTALL 10"X6" TEE
14. CONNECT TO EXISTING WL W/NON PRESSURE CONNECTION & TRANSITION COUPLING

AS BUILT INFORMATION
CONTRACTOR A.S. HARVER
WORK STARTED BY SAWYER MILLER 1/08 DATE
INSPECTORS NAME(S) & ALLIANCE BY B.CPWD 1/09 DATE
FIELD VERIFICATION BY B.CPWD 1/09 DATE
DRAWING CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	05/09	REVISED WATER METER TABLE	VRV

DESIGN
DESIGNED BY TWTK DATE 10/31/06
DRAWN BY TWTK DATE 10/31/06
CHECKED BY DM DATE 10/31/06

Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD WATER LINE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 12-15

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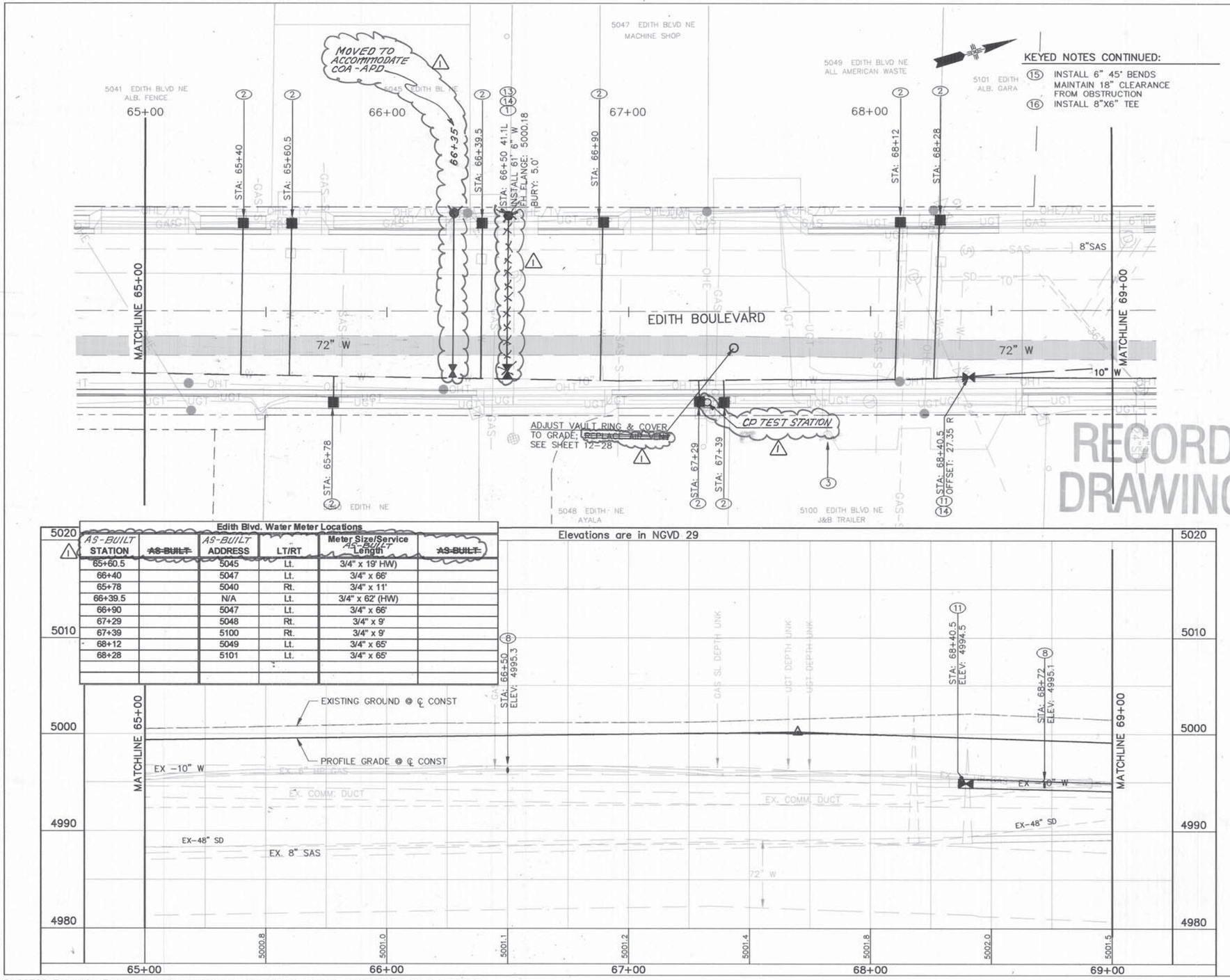

Edith Blvd. Water Meter Locations

AS-BUILT STATION	~~AS-BUILT~~	AS-BUILT ADDRESS	LT/RT	Meter Size/Service Length AS-BUILT	~~AS-BUILT~~
65+60.5		5045	Lt.	3/4" x 19' HW)	
66+40		5047	Lt.	3/4" x 66'	
65+78		5040	Rt.	3/4" x 11'	
66+39.5		N/A	Lt.	3/4" x 62' (HW)	
66+90		5047	Lt.	3/4" x 66'	
67+29		5048	Rt.	3/4" x 9'	
67+39		5100	Rt.	3/4" x 9'	
68+12		5049	Lt.	3/4" x 65'	
68+28		5101	Lt.	3/4" x 65'	

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. ALL WATERLINES SHALL BE CONSTRUCTED WITH A MINIMUM OF 3' OF COVER.
2. ELEVATIONS ARE TO THE TOP OF PIPE FOR WATERLINE

KEYED NOTES:

(1) INSTALL FIRE HYDRANT AND 6" GV PER CITY OF ALBUQUERQUE STD. DWG. NO. 2340 AND DWG. NO. 2347, CASE 2.
(2) CONSTRUCT NEW METERED SERVICE LINE PER CITY OF ALBUQUERQUE STD. DWG. NO. 2362 OR 2363. (NO SPLICING)
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(13) INSTALL 10"X6" TEE
(14) CONNECT TO EXISTING WL W/NON PRESSURE CONNECTION & TRANSITION COUPLING

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STARTED BY Sumner Miller Hogg DATE
WORK COMPLETED BY BCPWD 1/09 DATE
INSPECTORS INITIALS BY BCPWD 1/09 DATE
FIELD VERIFICATION BY BCPWD 1/09 DATE
DRAWING REVISED BY P.B. 6/09 DATE
CORRECTED BY P.B. 6/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on solid drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	05/09	REVISED WATER SERVICE	VAV

DESIGN
DESIGNED BY TWTK DATE 10/31/06
DRAWN BY TWTK DATE 10/31/06
CHECKED BY DM DATE 10/31/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD WATER LINE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	12-16

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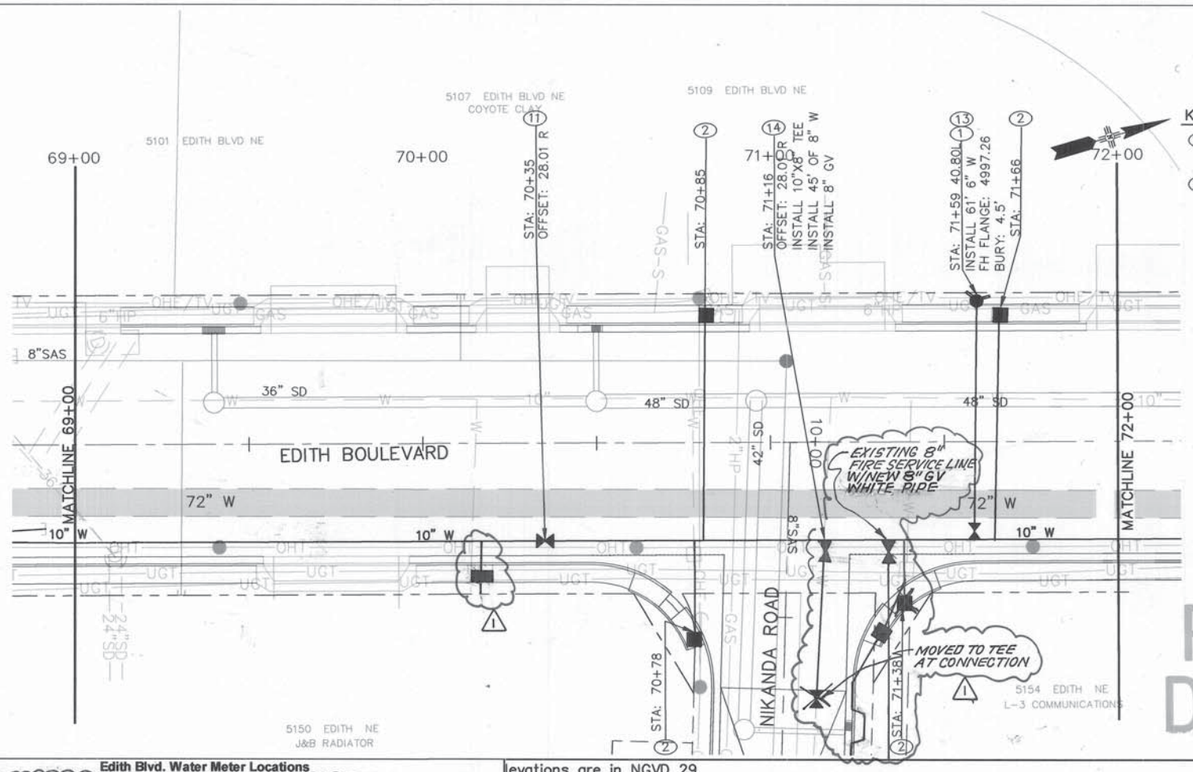

KEYED NOTES CONTINUED:

15. INSTALL 6" 45° BENDS MAINTAIN 18" CLEARANCE FROM OBSTRUCTION
16. INSTALL 8"X6" TEE

RECORD DRAWING

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.
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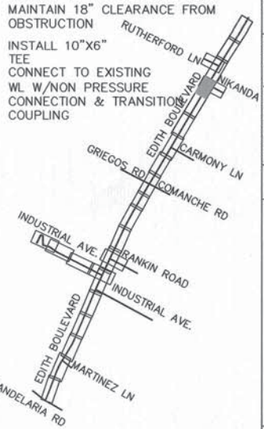
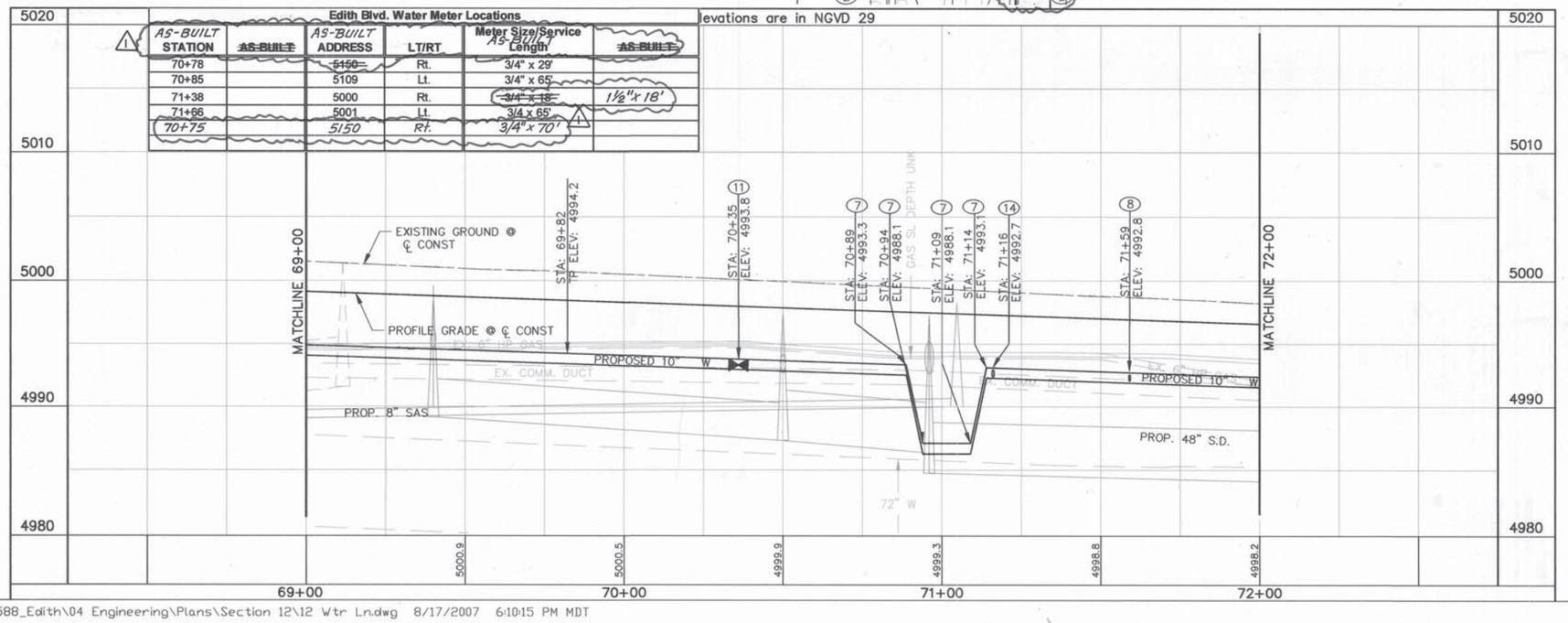
14. CONNECT TO EXISTING WL W/NON PRESSURE CONNECTION & TRANSITION COUPLING



Edith Blvd. Water Meter Locations

AS-BUILT STATION	~~AS-BUILT~~	AS-BUILT ADDRESS	LT/RT	Meter Size/Service Length AS-BUILT	~~AS-BUILT~~
70+78		~~5150~~	Rt.	3/4" x 29'	
70+85		5109	Lt.	3/4" x 65'	
71+38		5000	Rt.	~~3/4" x 18'~~	1½"x 18'
71+66		5001	Lt.	3/4 x 65'	
70+75		5150	Rt.	3/4" x 70'	

Elevations are in NGVD 29



AS BUILT INFORMATION

CONTRACTOR A.S. HOKEMEYER

WORK STAKED BY	Sauer/Miller	1/09 DATE
INSPECTORS		
FINAL ACCEPTANCE BY	BCPWD	1/09 DATE
FIELD VERIFICATION BY	BCPWD	1/09 DATE
DRAWING CORRECTED BY	P.B.	5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

ENGINEER'S SEAL

JAMES H. BUSHMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REVISIONS	BY
1	05/09	REVISED WATER SERVICE	VRV

DESIGN			
DESIGNED BY	TWTK	DATE	10/31/06
DRAWN BY	TWTK	DATE	10/31/06
CHECKED BY	DM	DATE	10/31/06

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

EDITH BOULEVARD WATER LINE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F–15, G–15	12–17

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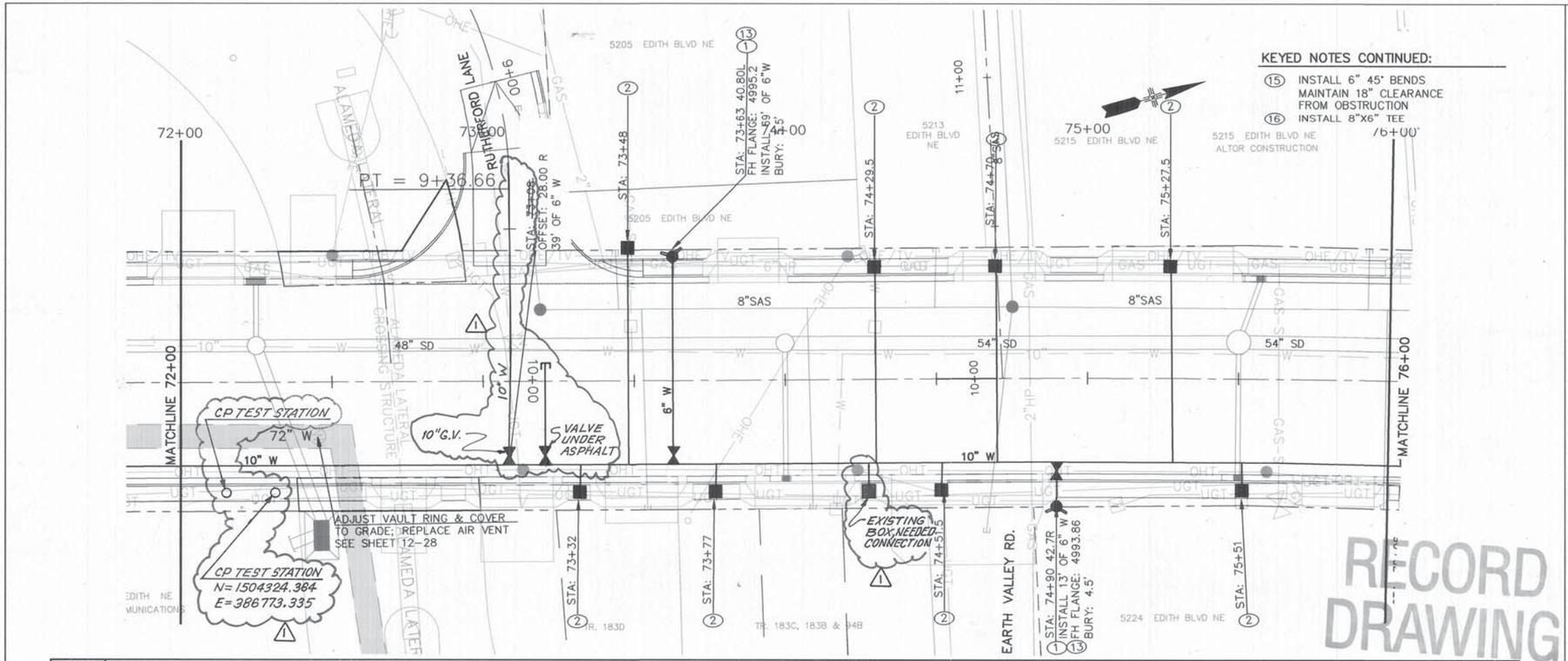

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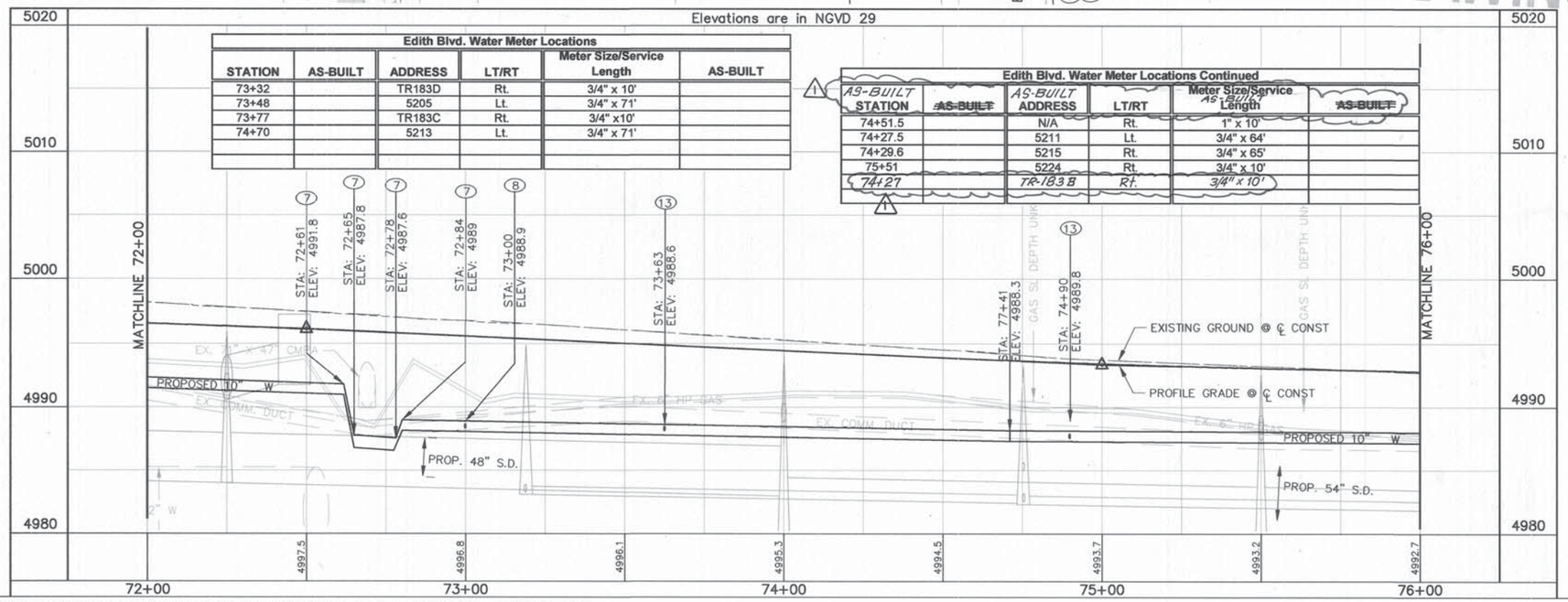

Edith Blvd. Water Meter Locations

STATION	AS-BUILT	ADDRESS	LT/RT	Meter Size/Service Length	AS-BUILT
73+32		TR183D	Rt.	3/4" x 10'	
73+48		5205	Lt.	3/4" x 71'	
73+77		TR183C	Rt.	3/4" x10'	
74+70		5213	Lt.	3/4" x 71'	

Edith Blvd. Water Meter Locations Continued

~~AS-BUILT STATION~~	~~AS-BUILT~~	~~AS-BUILT ADDRESS~~	LT/RT	~~AS-BUILT~~ Meter Size/Service Length	~~AS-BUILT~~
74+51.5		N/A	Rt.	1" x 10'	
74+27.5		5211	Lt.	3/4" x 64'	
74+29.6		5215	Rt.	3/4" x 65'	
75+51		5224	Rt.	3/4" x 10'	
~~74+27~~		~~TR-183 B~~	~~Rt.~~	~~3/4" x 10'~~	

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. ALL WATERLINES SHALL BE CONSTRUCTED WITH A MINIMUM OF 3' OF COVER.
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KEYED NOTES:

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(13) INSTALL 10"X6" TEE
(14) CONNECT TO EXISTING WL W/NON PRESSURE CONNECTION & TRANSITION COUPLING

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HANNER
WORK STAKED BY Javier Miller 7/06 DATE
INSPECTORS FIELD VARIANCE BY B.D'Avid 1/09 DATE
FIELD VERIFICATION BY B.D'Avid 1/09 DATE
LOCATION CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15". epoxied to top of concrete drop inlet. ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	05/09	REVISED WATER SERVICE	VRV

DESIGN
DESIGNED BY TWTK DATE 10/31/06
DRAWN BY TWTK DATE 10/31/06
CHECKED BY DM DATE 10/31/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD WATER LINE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 12-18

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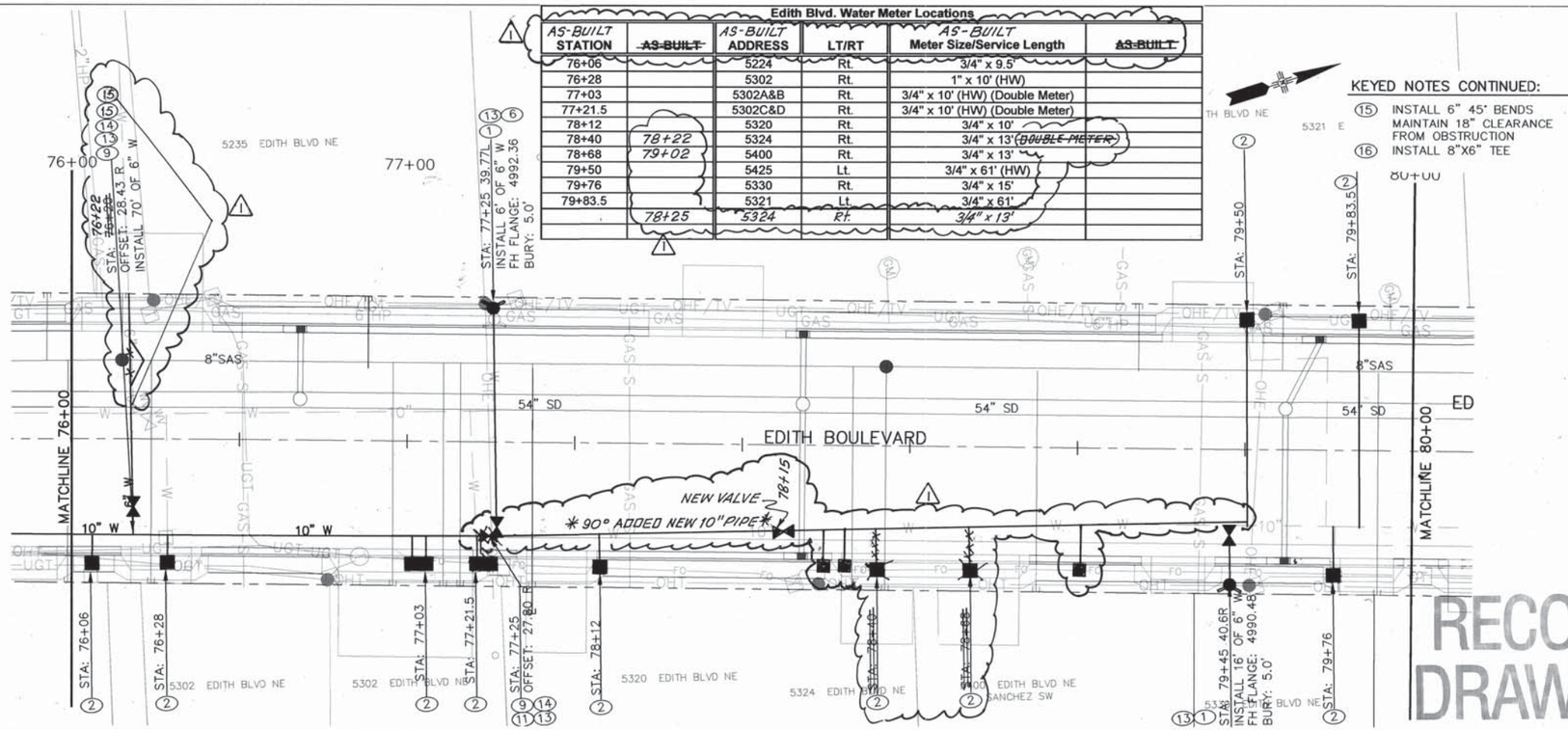
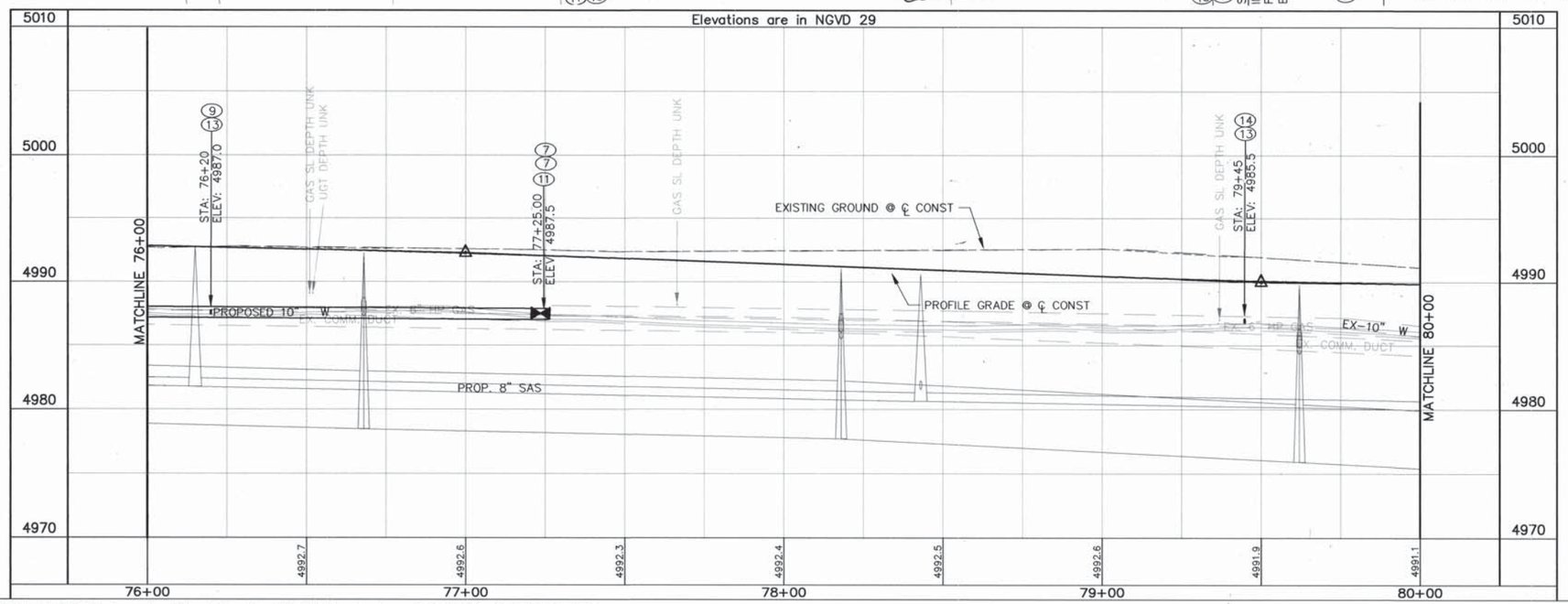
Edith Blvd. Water Meter Locations

AS-BUILT STATION	~~AS-BUILT~~	AS-BUILT ADDRESS	LT/RT	AS-BUILT Meter Size/Service Length	~~AS-BUILT~~
76+06		5224	Rt.	3/4" x 9.5'	
76+28		5302	Rt.	1" x 10' (HW)	
77+03		5302A&B	Rt.	3/4" x 10' (HW) (Double Meter)	
77+21.5		5302C&D	Rt.	3/4" x 10' (HW) (Double Meter)	
78+12		5320	Rt.	3/4" x 10'	
78+40	78+22	5324	Rt.	3/4" x 13' ~~(DOUBLE METER)~~	
78+68	79+02	5400	Rt.	3/4" x 13'	
79+50		5425	Lt.	3/4" x 61' (HW)	
79+76		5330	Rt.	3/4" x 15'	
79+83.5		5321	Lt.	3/4" x 61'	
	78+25	5324	Rt.	3/4" x 13'	





KEYED NOTES CONTINUED:

(15) INSTALL 6" 45° BENDS MAINTAIN 18" CLEARANCE FROM OBSTRUCTION

(16) INSTALL 8"X6" TEE

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

1 inch = 20 ft.

HORZ. SCALE: 1" = 20'

VERT. SCALE: 1" = 5'

GENERAL NOTES

1. ALL WATERLINES SHALL BE CONSTRUCTED WITH A MINIMUM OF 3' OF COVER.
2. ELEVATIONS ARE TO THE TOP OF PIPE FOR WATERLINE

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(2) CONSTRUCT NEW METERED SERVICE LINE PER CITY OF ALBUQUERQUE STD. DWG. NO. 2362 OR 2363. (NO SPLICING)

(3) PROTECT IN PLACE.

(4) INSTALL 8" 45° VERTICAL BEND MAINTAIN 18" CLEARANCE

(5) INSTALL 12" 11.25° VERTICAL BEND. MAINTAIN 18" CLEARANCE FROM OBSTRUCTION

(6) REMOVE AND SALVAGE EXISTING FH

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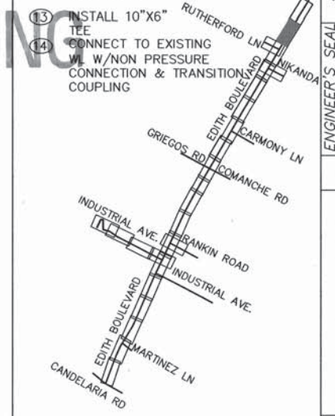
RECORD DRAWING



PB Parsons Brinckerhoff

AS BUILT INFORMATION

CONTRACTOR A.S. HARVER 7/06 DATE

WORK INSPECTED BY SNIDER, MILLER 7/06 DATE

INSPECTOR'S INITIALS BY BCPWD 1/09 DATE

FIELD VERIFICATION BY BCPWD 1/09 DATE

AS-BUILT DRAWING CORRECTED BY P.B. 5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCHMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
05/09		REVISED WATER SERVICE	VRV

DESIGN

DESIGNED BY	TWTK	10/31/06
DRAWN BY	TWTK	10/31/06
CHECKED BY	DM	10/31/06

DATE

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

EDITH BOULEVARD WATER LINE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	12-19

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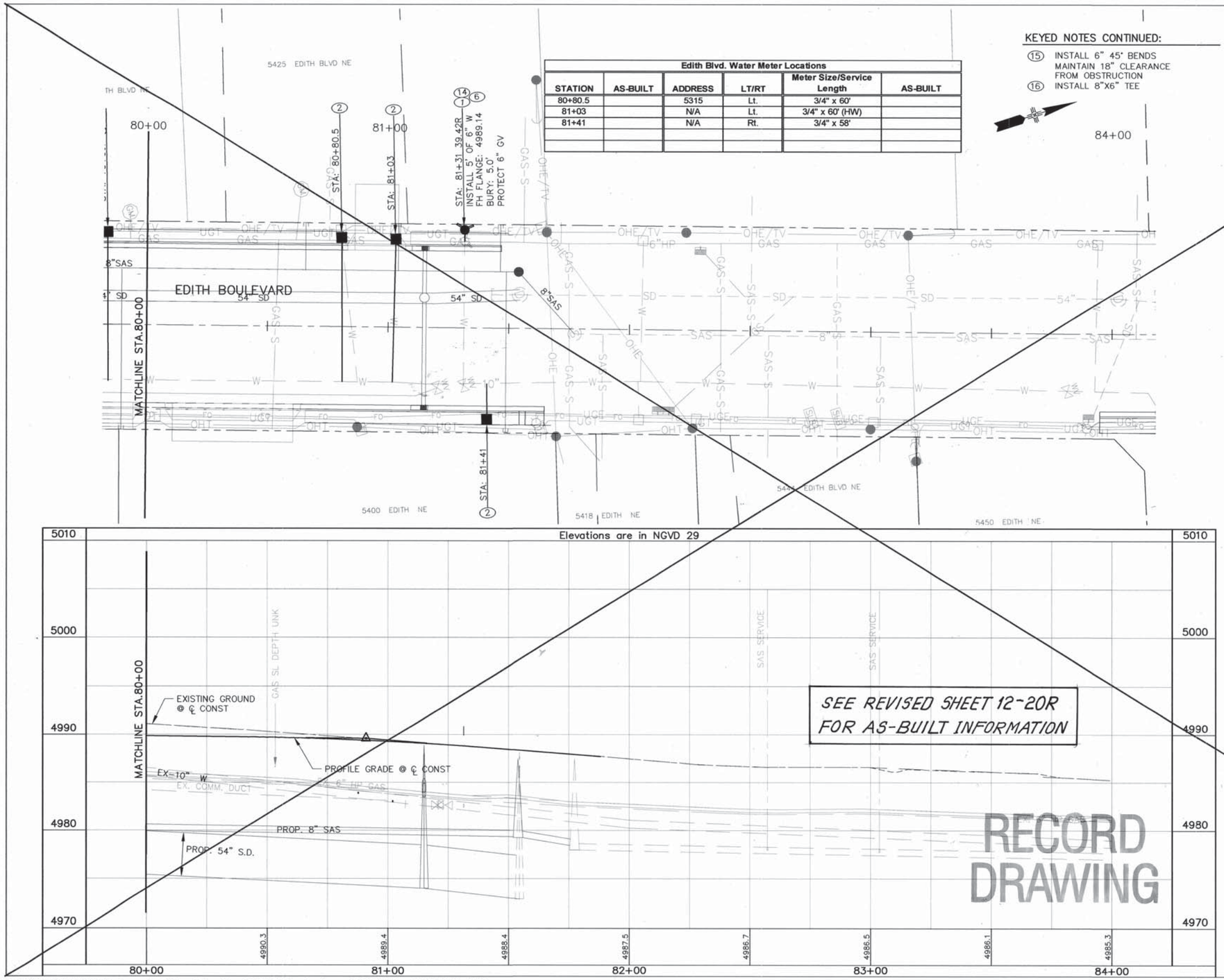


Edith Blvd. Water Meter Locations					
STATION	AS-BUILT	ADDRESS	LT/RT	Meter Size/Service Length	AS-BUILT
80+80.5		5315	Lt.	3/4" x 60'	
81+03		N/A	Lt.	3/4" x 60' (HW)	
81+41		N/A	Rt.	3/4" x 58'	

SEE REVISED SHEET 12-20R
FOR AS-BUILT INFORMATION

RECORD DRAWING

KEYED NOTES CONTINUED:

(15) INSTALL 6" 45° BENDS MAINTAIN 18" CLEARANCE FROM OBSTRUCTION

(16) INSTALL 8"X6" TEE

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. ALL WATERLINES SHALL BE CONSTRUCTED WITH A MINIMUM OF 3' OF COVER.
2. ELEVATIONS ARE TO THE TOP OF PIPE FOR WATERLINE

KEYED NOTES:

(1) INSTALL FIRE HYDRANT AND 6" GV PER CITY OF ALBUQUERQUE STD. DWG. NO. 2340 AND DWG. NO. 2347, CASE 2.

(2) CONSTRUCT NEW METERED SERVICE LINE PER CITY OF ALBUQUERQUE STD. DWG. NO. 2362 OR 2363. (NO SPLICING)

(3) PROTECT IN PLACE.

(4) INSTALL 8" 45° VERTICAL BEND MAINTAIN 18" CLEARANCE

(5) INSTALL 12" 11.25° VERTICAL BEND. MAINTAIN 18" CLEARANCE FROM OBSTRUCTION

(6) REMOVE AND SALVAGE EXISTING FH

(7) INSTALL 10" 45° VERTICAL BEND MAINTAIN 18" CLEARANCE FROM OBSTRUCTION

(8) INSTALL 12"X6" TEE

(9) INSTALL 6" GV W/VB

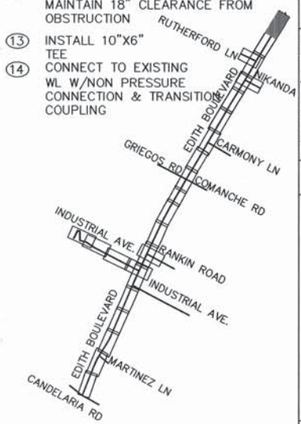
(10) INSTALL 12" GV W/VB

(11) INSTALL 10" GV W/VB

(12) INSTALL 12" 45° VERTICAL BEND MAINTAIN 18" CLEARANCE FROM OBSTRUCTION

(13) INSTALL 10"X6" TEE

(14) CONNECT TO EXISTING WL W/NON PRESSURE CONNECTION & TRANSITION COUPLING



PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY
INSPECTOR'S CHANGE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWING CORRECTED BY — DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES — NO. — BY — DATE

MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY	TWTK
		DRAWN BY	TWTK
		CHECKED BY	DM

	DATE
	10/31/06
	10/31/06
	10/31/06

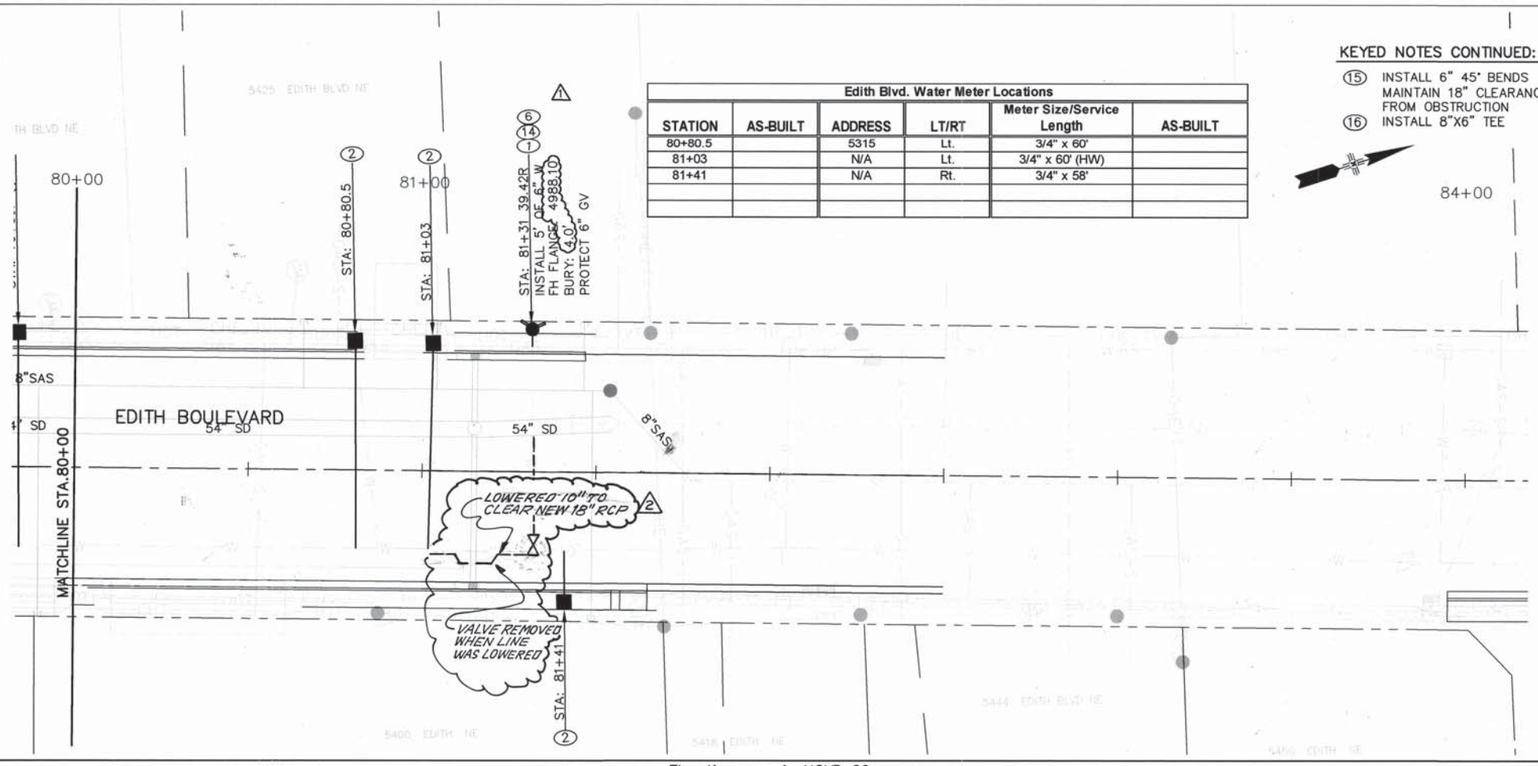
COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD WATER LINE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 12-20

G:\33588_Edith\04 Engineering\Plans\Section 12\12 Wtr Ln.dwg 8/17/2007 6:15:06 PM MDT

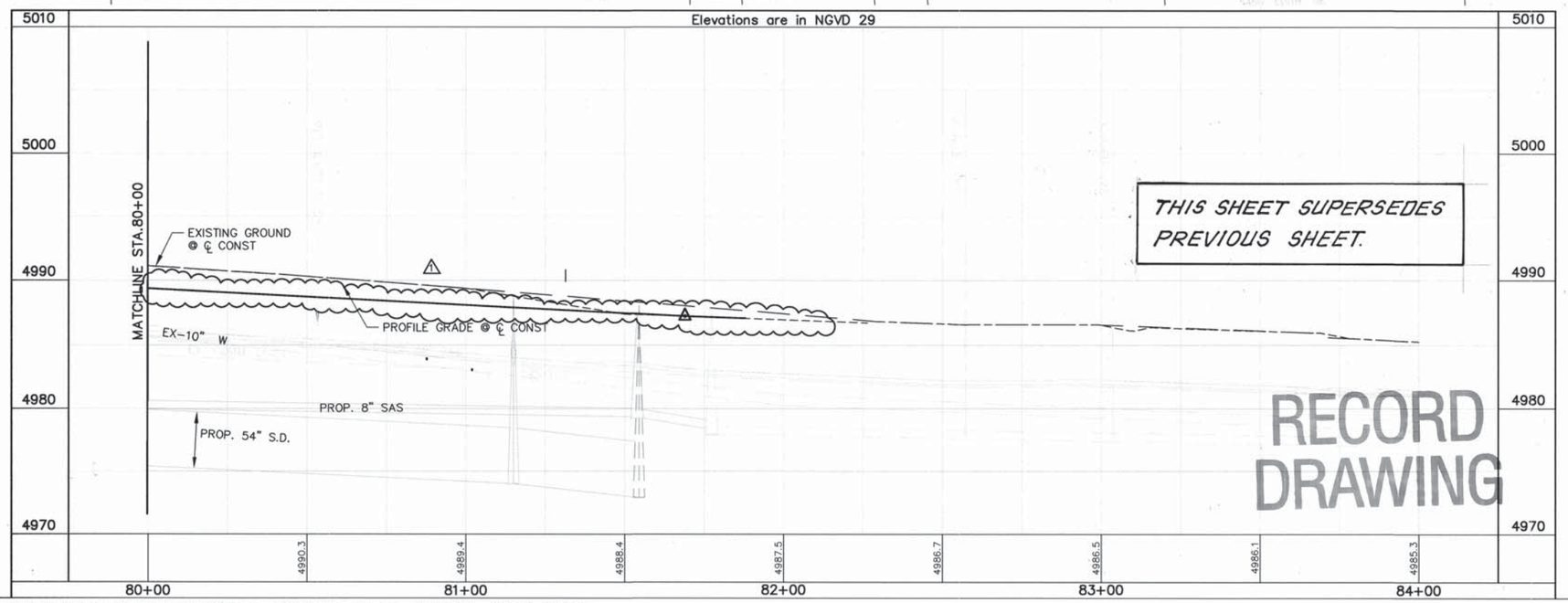


Edith Blvd. Water Meter Locations					
STATION	AS-BUILT	ADDRESS	LT/RT	Meter Size/Service Length	AS-BUILT
80+80.5		5315	Lt.	3/4" x 60'	
81+03		N/A	Lt.	3/4" x 60' (HW)	
81+41		N/A	Rt.	3/4" x 58'	

KEYED NOTES CONTINUED:

(15) INSTALL 6" 45° BENDS MAINTAIN 18" CLEARANCE FROM OBSTRUCTION

(16) INSTALL 8"X6" TEE



GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

1 inch = 20 ft.

HORZ. SCALE: 1" = 20'

VERT. SCALE: 1" = 5'

GENERAL NOTES

1. ALL WATERLINES SHALL BE CONSTRUCTED WITH A MINIMUM OF 3' OF COVER.
2. ELEVATIONS ARE TO THE TOP OF PIPE FOR WATERLINE

KEYED NOTES:

(1) INSTALL FIRE HYDRANT AND 6" GV PER CITY OF ALBUQUERQUE STD. DWG. NO. 2340 AND DWG. NO. 2347, CASE 2.

(2) CONSTRUCT NEW METERED SERVICE LINE PER CITY OF ALBUQUERQUE STD. DWG. NO. 2362 OR 2363. (NO SPLICING)

(3) PROTECT IN PLACE.

(4) INSTALL 8" 45° VERTICAL BEND MAINTAIN 18" CLEARANCE

(5) INSTALL 12" 11.25° VERTICAL BEND. MAINTAIN 18" CLEARANCE FROM OBSTRUCTION

(6) REMOVE AND SALVAGE EXISTING FH

(7) INSTALL 10" 45° VERTICAL BEND MAINTAIN 18" CLEARANCE FROM OBSTRUCTION

(8) INSTALL 12"X6" TEE

(9) INSTALL 6" GV W/VB

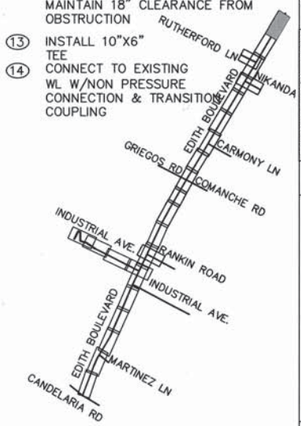
(10) INSTALL 12" GV W/VB

(11) INSTALL 10" GV W/VB

(12) INSTALL 12" 45° VERTICAL BEND MAINTAIN 18" CLEARANCE FROM OBSTRUCTION

(13) INSTALL 10"X6" TEE

(14) CONNECT TO EXISTING WL W/NON PRESSURE CONNECTION & TRANSITION COUPLING



PB Parsons Brinckerhoff

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER

STAKED BY SHAFER MILLER 3/09 DATE

INSPECTOR'S FIELD CHANGES BY BCPND 1/09 DATE

FIELD VERIFICATION BY BCPND 1/09 DATE

DRAWING CORRECTED BY PB 5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY

DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.

NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES BY DATE NO.

ENGINEER'S SEAL

JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
05/09	5/18/09	REVISED WATER SERVICE ROADWAY REVISED	VRV JHB

DESIGN			
DESIGNED BY	TWTK	DATE	10/31/08
DRAWN BY	TWTK	DATE	10/31/08
CHECKED BY	DM	DATE	10/31/08

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

EDITH BOULEVARD WATER LINE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	12-20R

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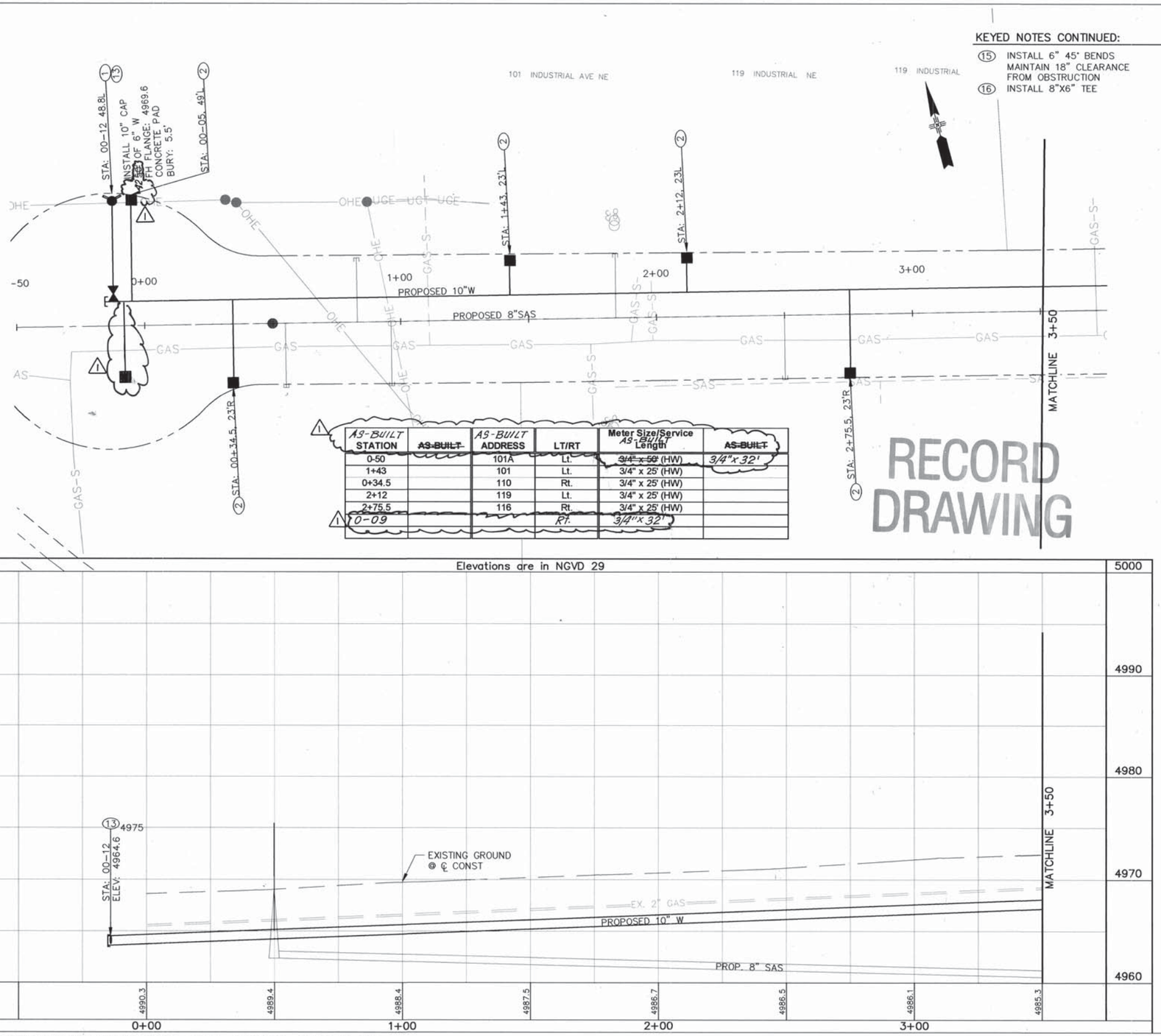

AS-BUILT STATION	~~AS-BUILT~~	AS-BUILT ADDRESS	LT/RT	Meter Size/Service AS-Built Length	~~AS-BUILT~~
0-50		101A	Lt.	~~3/4" x 50'~~ (HW)	3/4"x 32'
1+43		101	Lt.	3/4" x 25' (HW)	
0+34.5		110	Rt.	3/4" x 25' (HW)	
2+12		119	Lt.	3/4" x 25' (HW)	
2+75.5		116	Rt.	3/4" x 25' (HW)	
0-09			Rt.	3/4"x 32'	

KEYED NOTES CONTINUED:

(15) INSTALL 6" 45° BENDS MAINTAIN 18" CLEARANCE FROM OBSTRUCTION

(16) INSTALL 8"X6" TEE

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. ALL WATERLINES SHALL BE CONSTRUCTED WITH A MINIMUM OF 3' OF COVER.
2. ELEVATIONS ARE TO THE TOP OF PIPE FOR WATERLINE

KEYED NOTES:

(1) INSTALL FIRE HYDRANT AND 6" GV PER CITY OF ALBUQUERQUE STD. DWG. NO. 2340 AND DWG. NO. 2347, CASE 2.

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(3) PROTECT IN PLACE.

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(6) REMOVE AND SALVAGE EXISTING FH

(7) INSTALL 10" 45° VERTICAL BEND MAINTAIN 18" CLEARANCE FROM OBSTRUCTION

(8) INSTALL 12"X6" TEE

(9) INSTALL 6" GV W/VB

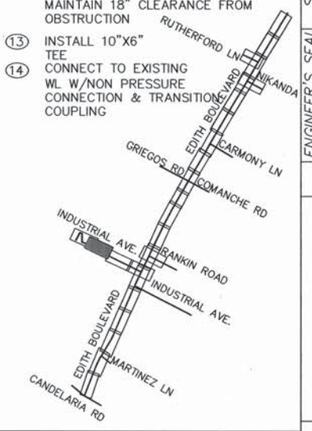
(10) INSTALL 12" GV W/VB

(11) INSTALL 10" GV W/VB

(12) INSTALL 12" 45° VERTICAL BEND MAINTAIN 18" CLEARANCE FROM OBSTRUCTION

(13) INSTALL 10"X6" TEE

(14) CONNECT TO EXISTING WL W/NON PRESSURE CONNECTION & TRANSITION COUPLING



PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HARVEY
WORK STAKED BY Shuder Miller 1/09 DATE
INSPECTORS FIELD VERIFICATION BY BdPWD 1/09 DATE
LAYOUT CHANGES BY BdPWD 1/09 DATE
CORRECTION BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on solid drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/17/07

NO.	DATE	REMARKS	BY
1	05/09	REVISED WATER SERVICE	VRV

DESIGN

DESIGNED BY	TWTK	10/31/06
DRAWN BY	TWTK	10/31/06
CHECKED BY	DM	10/31/06

DATE

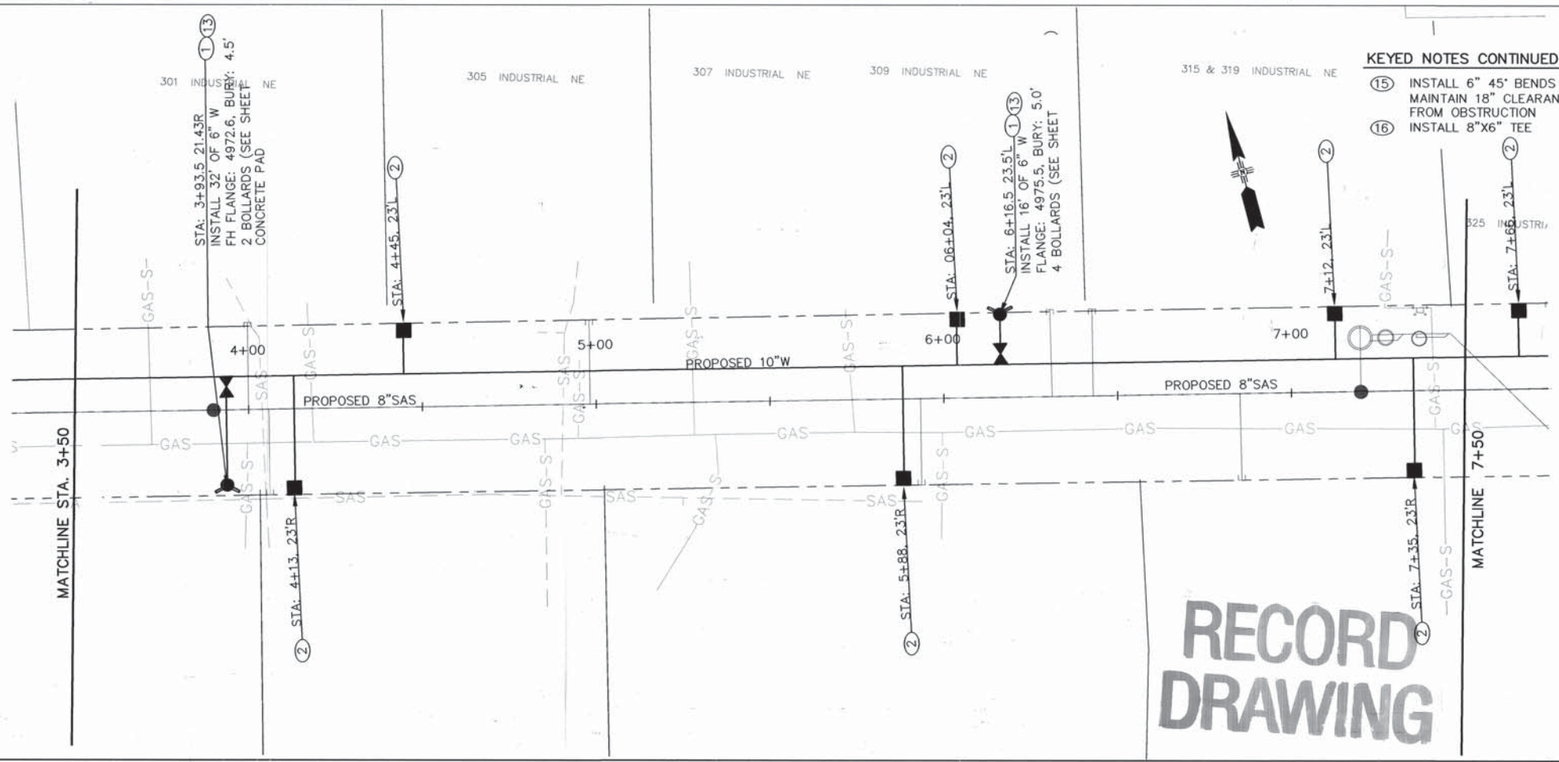
COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
INDUSTRIAL AVENUE WATER LINE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	12-21

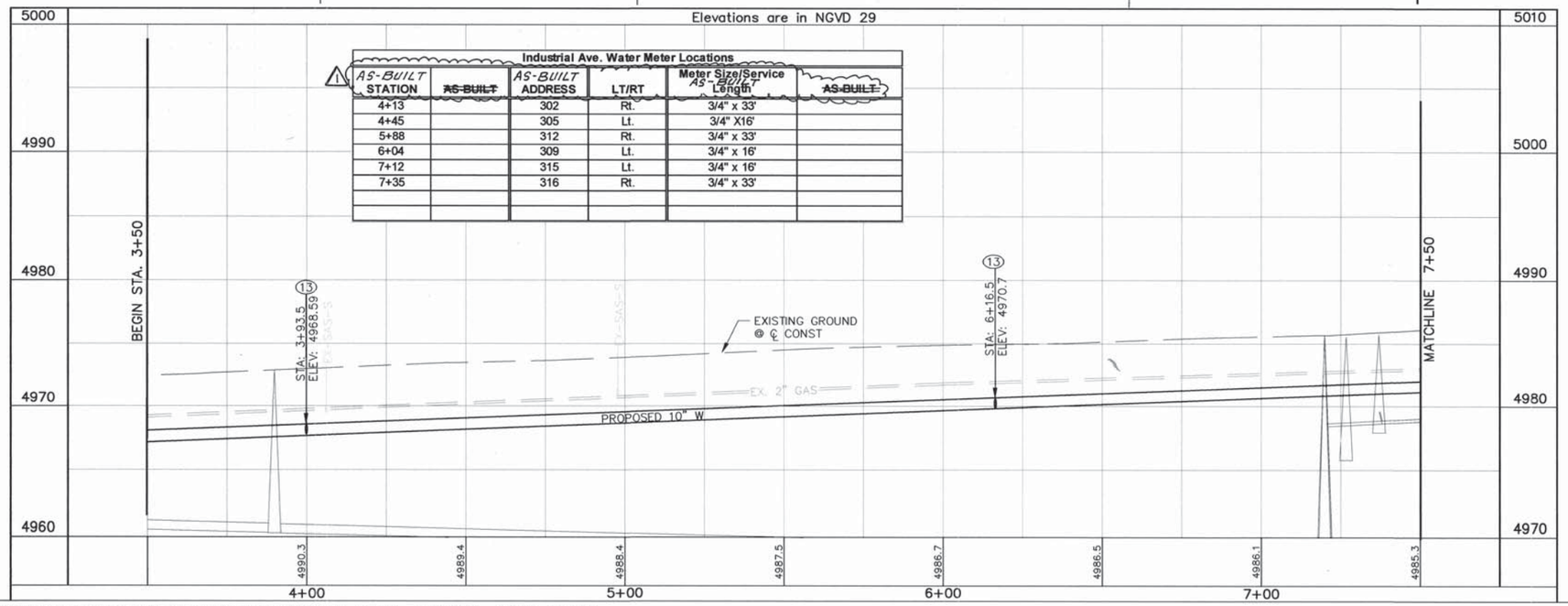
G:\33588_Edith\04 Engineering\Plans\Section 12\12 Wtr Ln.dwg 8/17/2007 6:15:06 PM MDT



KEYED NOTES CONTINUED:

15. INSTALL 6" 45° BENDS MAINTAIN 18" CLEARANCE FROM OBSTRUCTION
16. INSTALL 8"X6" TEE

RECORD DRAWING



Industrial Ave. Water Meter Locations

AS-BUILT STATION	~~AS-BUILT~~	AS-BUILT ADDRESS	LT/RT	Meter Size/Service AS-BUILT Length	~~AS-BUILT~~
4+13		302	Rt.	3/4" x 33'	
4+45		305	Lt.	3/4" X16'	
5+88		312	Rt.	3/4" x 33'	
6+04		309	Lt.	3/4" x 16'	
7+12		315	Lt.	3/4" x 16'	
7+35		316	Rt.	3/4" x 33'	

GRAPHIC SCALE

20 0 10 20 40
(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. ALL WATERLINES SHALL BE CONSTRUCTED WITH A MINIMUM OF 3' OF COVER.
2. ELEVATIONS ARE TO THE TOP OF PIPE FOR WATERLINE

KEYED NOTES:

1. INSTALL FIRE HYDRANT AND 6" GV PER CITY OF ALBUQUERQUE STD. DWG. NO. 2340 AND DWG. NO. 2347, CASE 2.
2. CONSTRUCT NEW METERED SERVICE LINE PER CITY OF ALBUQUERQUE STD. DWG. NO. 2362 OR 2363. (NO SPLICING)
3. PROTECT IN PLACE.
4. INSTALL 8" 45° VERTICAL BEND MAINTAIN 18" CLEARANCE
5. INSTALL 12" 11.25° VERTICAL BEND. MAINTAIN 18" CLEARANCE FROM OBSTRUCTION
6. REMOVE AND SALVAGE EXISTING FH
7. INSTALL 10" 45° VERTICAL BEND MAINTAIN 18" CLEARANCE FROM OBSTRUCTION
8. INSTALL 12"X6" TEE
9. INSTALL 6" GV W/VB
10. INSTALL 12" GV W/VB
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12. INSTALL 12" 45° VERTICAL BEND MAINTAIN 18" CLEARANCE FROM OBSTRUCTION
13. INSTALL 10"X6" TEE
14. CONNECT TO EXISTING WL W/NON PRESSURE CONNECTION & TRANSITION COUPLING

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SAUER MILLER INC DATE
INSPECTIONS BY BCPWD DATE
FIELD CHANGES BY BCPWD DATE
VERIFICATION BY PB DATE
CORRECTED BY PB DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on sold drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/17/07

NO.	DATE	REMARKS	BY
1	05/09	REVISED WATER METER LOCATION TABLE	VPV

DESIGN
DESIGNED BY TWTK DATE 10/31/06
DRAWN BY TWTK DATE 10/31/06
CHECKED BY DM DATE 10/31/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
INDUSTRIAL AVENUE WATER LINE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	12-22

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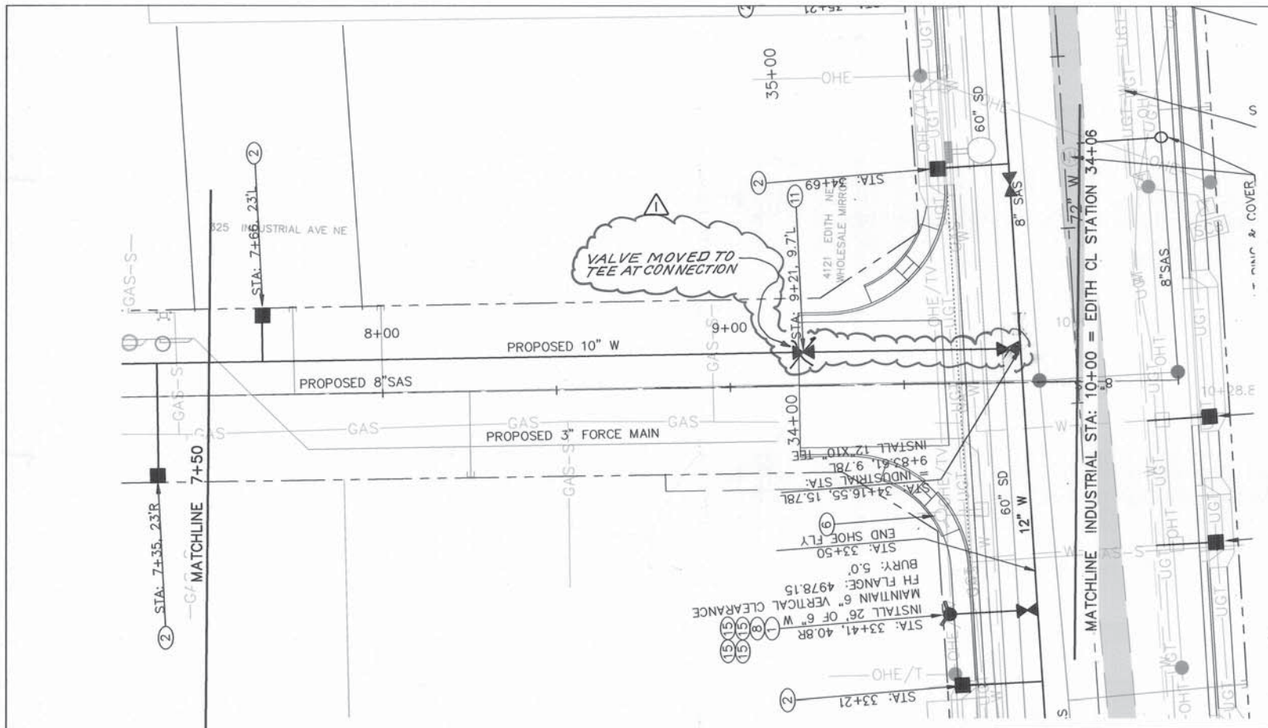
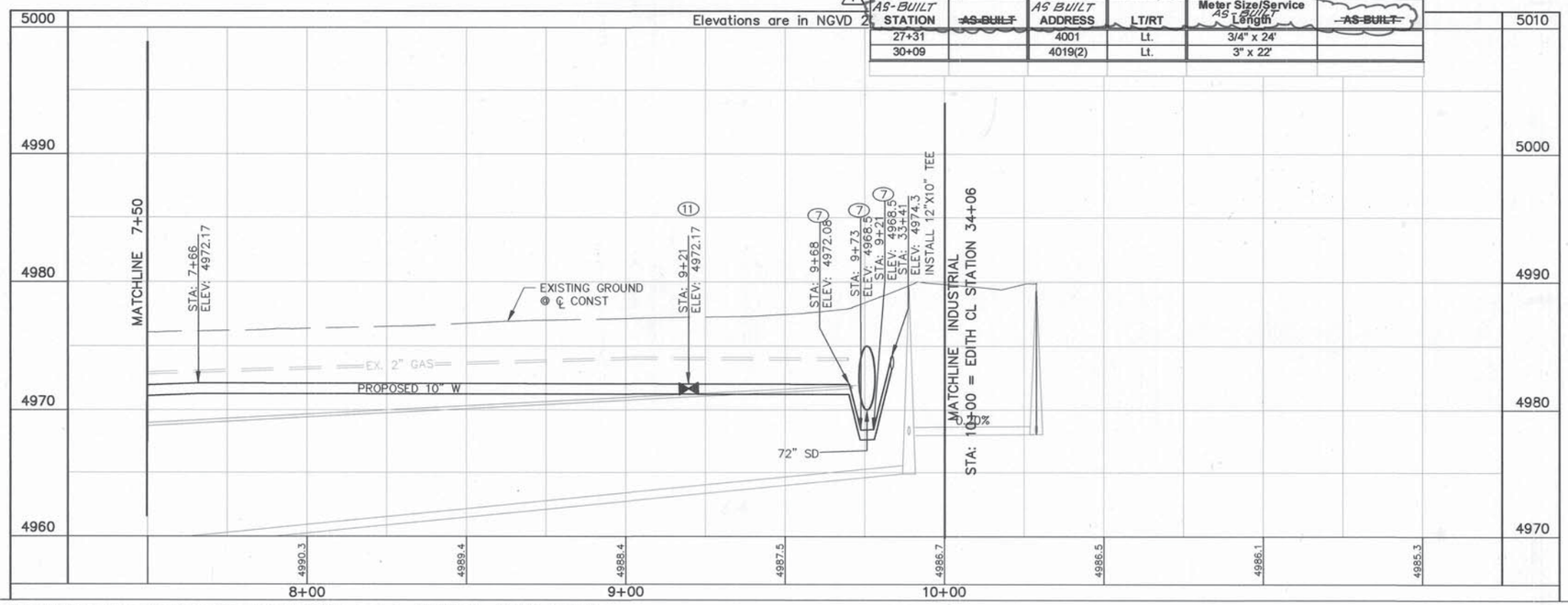


Edith Blvd. Water Meter Locations

AS-BUILT STATION	~~AS-BUILT~~	AS BUILT ADDRESS	LT/RT	Meter Size/Service AS-BUILT Length	~~AS-BUILT~~
27+31		4001	Lt.	3/4" x 24'	
30+09		4019(2)	Lt.	3" x 22'	



KEYED NOTES CONTINUED:

(15) INSTALL 6" 45° BENDS MAINTAIN 18" CLEARANCE FROM OBSTRUCTION
(16) INSTALL 8"X6" TEE

RECORD DRAWING

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

GENERAL NOTES

1. ALL WATERLINES SHALL BE CONSTRUCTED WITH A MINIMUM OF 3' OF COVER.
2. ELEVATIONS ARE TO THE TOP OF PIPE FOR WATERLINE

KEYED NOTES:

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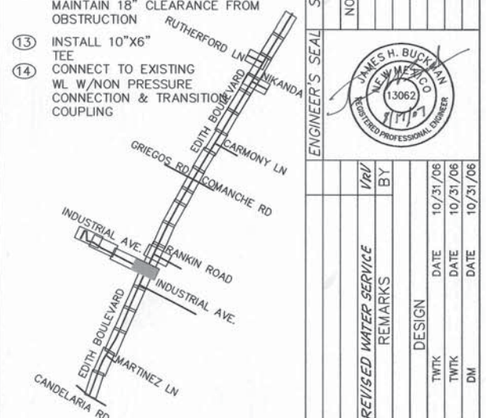
(14) CONNECT TO EXISTING WL W/NON PRESSURE CONNECTION & TRANSITION COUPLING



PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HARMER
WORK STAKED BY Sanchez/Miller 4/6 DATE
INSPECTION & SURVEILLANCE BY BCMD 5/09 DATE
FIELD VERIFICATION BY BCMD 5/09 DATE
DRAWING CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15". epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	08/09	REVISED WATER SERVICE	VRd

DESIGN
DESIGNED BY TWTK DATE 10/31/06
DRAWN BY TWTK DATE 10/31/06
CHECKED BY DM DATE 10/31/06

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
INDUSTRIAL AVENUE WATER LINE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 12-23

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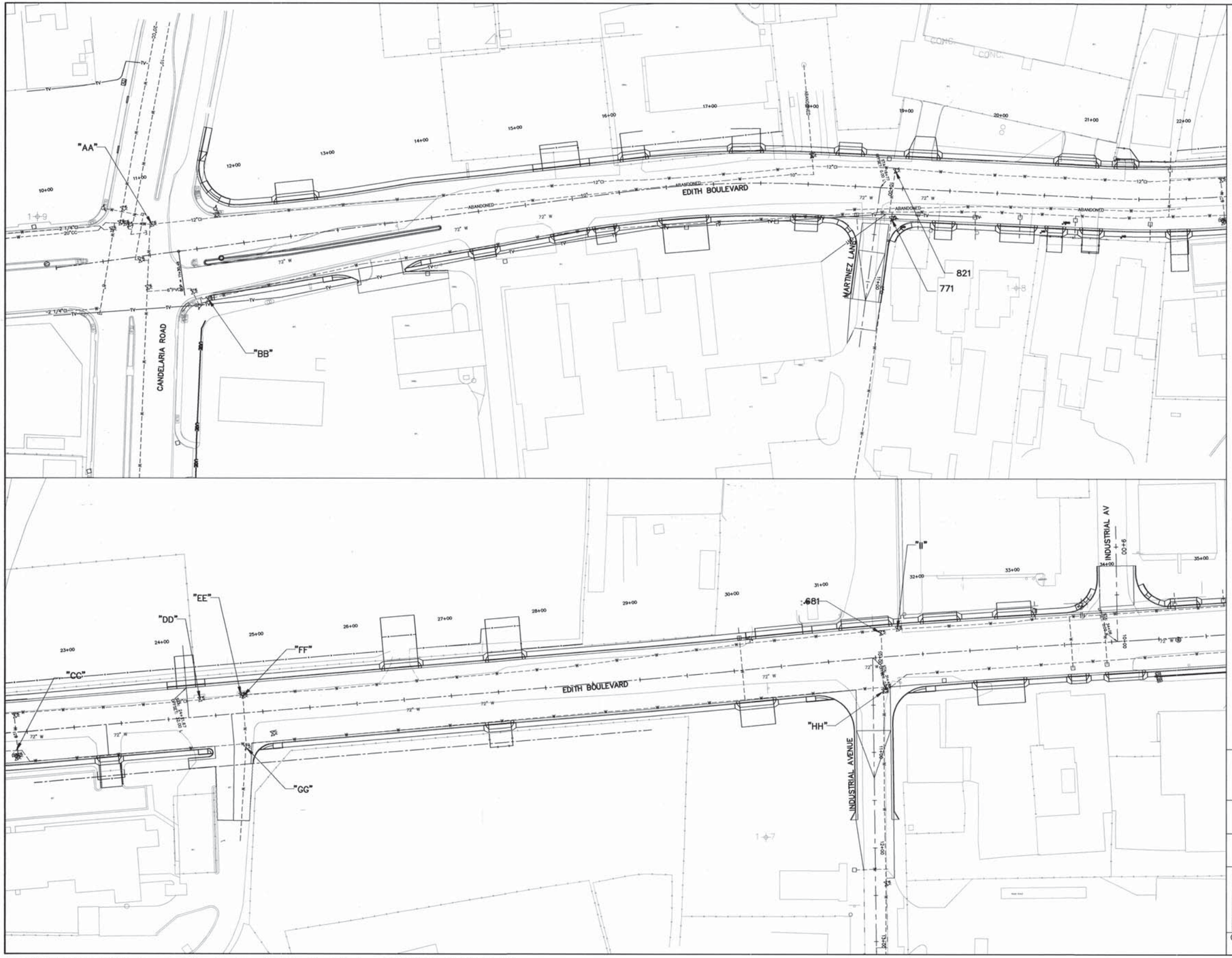

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

GENERAL NOTE:

1. VALVES NOT LISTED ON THE CITY OF ALBUQUERQUE WATER UTILITY MAP ARE GENERIC LABELED AND WILL BE FIELD VERIFIED.
2. SHUT-OFF STATION RANGES ARE APPROXIMATED AND DEPEND ON ACTUAL FIELD LOCATION.

12" CAST IRON PIPE 11+00 – 24+40

CLOSE VALVE: "AA", 821, & "DD"

8" PVC PIPE 11+50 – 22+50

CLOSE VALVE: "BB", & "CC"

12" CAST IRON PIPE 24+40 – 31+70

CLOSE VALVE: "DD", "FF", 681, "II"

8" PVC PIPE 22+50 – 37+40

CLOSE VALVE: "CC", 282, & VALVE ON RANKIN ROAD 283 OR 902 (NOT SHOWN)

RECORD DRAWING

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SAGER MILLER 1/08 DATE
INSPECTION BY B.C.P.W.D. 1/09 DATE
ACCEPTANCE BY B.C.P.W.D. 1/09 DATE
FIELD VERIFICATION BY P.B. 5/09 DATE
DRAWINGS COMPILED BY MICRO-FILM INFORMATION DATE
RECORDED BY
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JAMES H. BRINKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/31/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY BPB & TT	DATE 08/01/07
		DRAWN BY BPB & TT	DATE 08/01/07
		CHECKED BY JB	DATE 08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
WATER SHUT OFF PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	12-24

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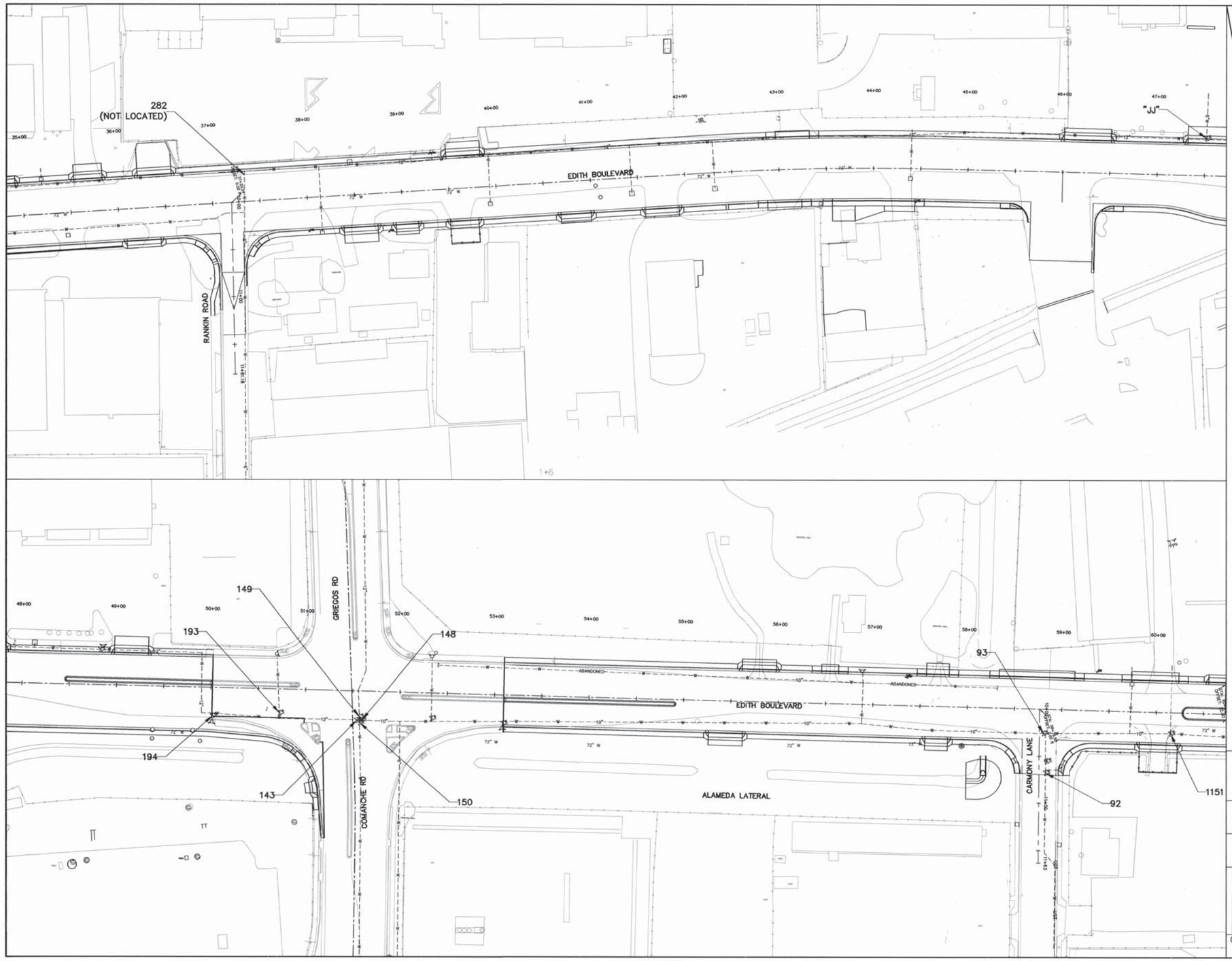

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

GENERAL NOTE:

1. VALVES NOT LISTED ON THE CITY OF ALBUQUERQUE WATER UTILITY MAP ARE GENERICALLY LABELED AND WILL BE FIELD VERIFIED.
2. SHUT-OFF STATION RANGES ARE APPROXIMATED AND DEPEND ON ACTUAL FIELD LOCATION.

12" CAST IRON PIPE 31+70 – 51+50

CLOSE VALVE: "II", "JJ", 282, & 143

10" AC PIPE 51+50 – 58+75

CLOSE VALVE: 143 & 93

10" AC PIPE 58+75 – 68+40

CLOSE VALVE: 93, 92, 1151, & "KK"

RECORD DRAWING

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SAUER MILLER 7/08 DATE
INSPECTION RANGE BY BCPWD 7/09 DATE
FIELD VERIFICATION BY BCPWD 7/09 DATE
CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 7/1/09

NO.	DATE	REMARKS	DESIGN	BY
			DESIGNED BY BPB & TT	DATE 08/01/07
			DRAWN BY BPB & TT	DATE 08/01/07
			CHECKED BY JB	DATE 08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
WATER SHUT OFF PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	12-25

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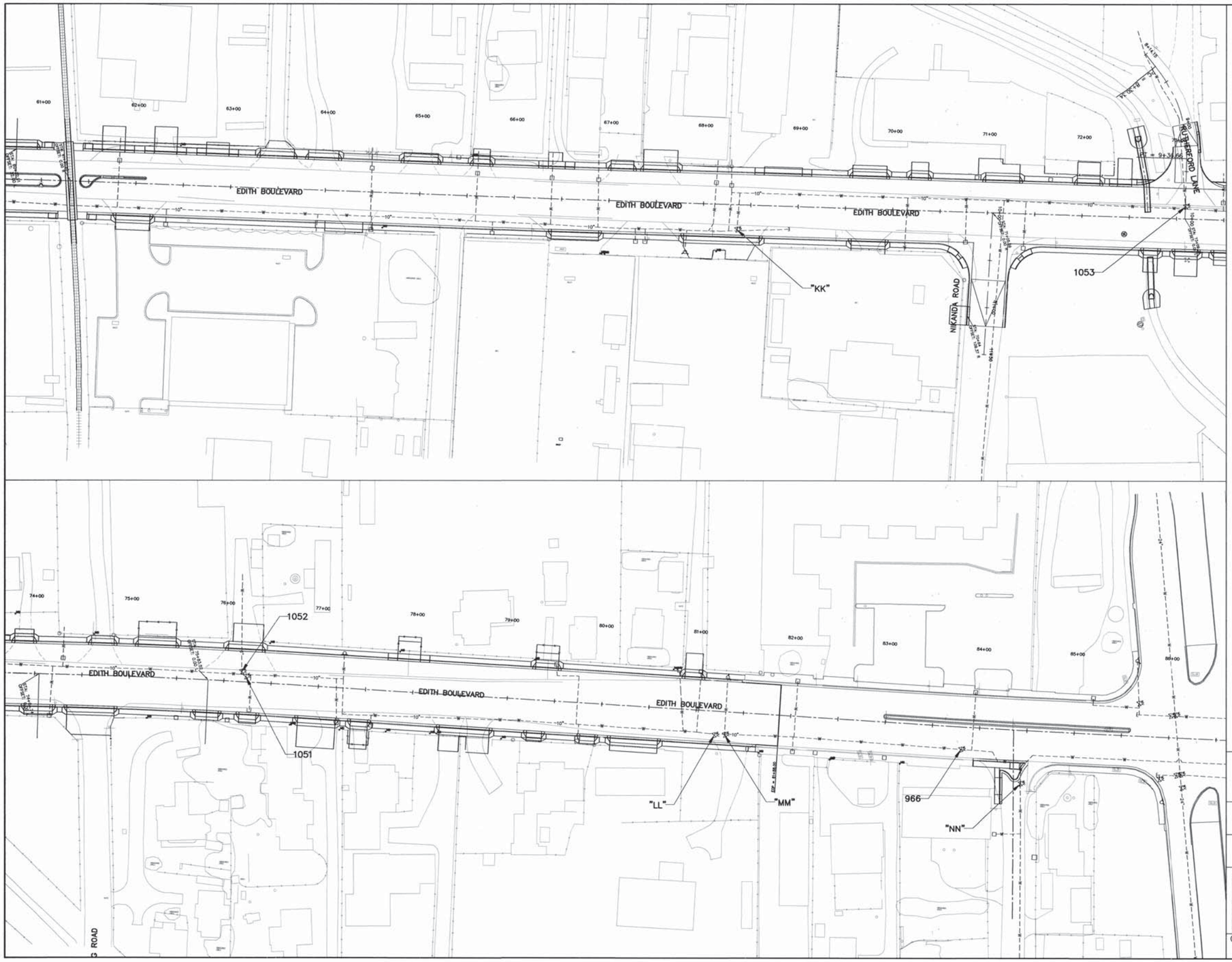

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

GENERAL NOTE:

1. VALVES NOT LISTED ON THE CITY OF ALBUQUERQUE WATER UTILITY MAP ARE GENERICALLY LABELED AND WILL BE FIELD VERIFIED.
2. SHUT-OFF STATION RANGES ARE APPROXIMATED AND DEPEND ON ACTUAL FIELD LOCATION.

10" UNKNOWN PIPE 68+40 – 76+20

CLOSE VALVE: "KK", 1053, 1052, & 1051

10" UNKNOWN PIPE 76+20 – 83+80

CLOSE VALVE: 1051 & 966

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
WATER SHUT OFF PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 12-26

AS BUILT INFORMATION
CONTRACTOR A.S. HAGWER
WORK STAKED BY SNYDER MILLER 7/09 DATE
INSPECTOR'S ACCEPTANCE BY BCPWD 7/09 DATE
FIELD VERIFICATION BY BCPWD 1/09 DATE
AS BUILTS CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JAMES HALLEXMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY BPB & TT DATE 08/01/07	
		DRAWN BY BPB & TT DATE 08/01/07	
		CHECKED BY JB DATE 08/01/07	

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JOINT RESTRAINT TABLE

FITTING	RESTRAINT LENGTH (FT) ALONG RUN (UP&DOWN STA.)	RESTRAINT LENGTH (FT) ALONG BRANCH(DOWN STA.)	TOTAL RESTRAINTS REQ'D PER FITTING 12"	10"	8"	6"	TOTALGLANDS REQ'D PER FITTING 12"	10"	8"	6"
12"X 12" TEE	20	1	3	0	0	0	3	0	0	0
12"X 10" TEE	20	1	2	1	0	0	2	1	0	0
12"X 8" TEE	20	1	2	0	1	0	2	0	1	0
12"X 6" TEE	20	1	2	0	0	1	2	0	0	1
12" 45° UPPER VERTICAL BEND	39	NA	4	0	0	0	2	0	0	0
12" 45° LOWER VERTICAL BEND	8	NA	2	0	0	0	2	0	0	0
12" 11.25° BEND	3	NA	2	0	0	0	2	0	0	0
12" 11.25° UPPER VERTICAL BEND	10	NA	2	0	0	0	2	0	0	0
12" 11.25° LOWER VERTICAL BEND	2	NA	2	0	0	0	2	0	0	0
12" GATE VALVE	20	NA	2	0	0	0	2	0	0	0
10"X 8" TEE	20	1	0	2	1	0	0	2	1	0
10"X 6" TEE	20	1	0	2	0	1	0	2	0	1
10" 45° BEND	9	NA	0	2	0	0	0	2	0	0
10" 45° UPPER VERTICAL BEND	33	NA	0	4	0	0	0	2	0	0
10" 45° LOWER VERTICAL BEND	7	NA	0	2	0	0	0	2	0	0
10" 22.5° BEND	4	NA	0	2	0	0	0	2	0	0
10" 11.25° BEND	4	NA	0	4	0	0	0	4	0	0
10" GV	20	NA	0	2	0	0	0	2	0	0
8"X6" TEE	20	1	0	0	2	1	0	0	2	1
8" 45° BEND	7	NA	0	0	2	0	0	0	2	0
8" 45° UPPER VERTICAL BEND	28	NA	0	0	4	0	0	0	2	0
8" 45° LOWER VERTICAL BEND	6	NA	0	0	2	0	0	0	2	0
8" GATE VALVE	20	NA	0	0	2	0	0	0	2	0
6" 45° BEND	6	NA	0	0	0	2	0	0	0	2
6" 45° UPPER VERTICAL BEND	28	NA	0	0	0	4	0	0	0	2
6" 45° LOWER VERTICAL BEND	6	NA	0	0	0	2	0	0	0	2
6" GATE VALVE	20	NA	0	0	0	2	0	0	0	2

NOTE: ALL JOINT RESTRAINT LENGTHS ARE RECOMMENDATIONS OF THE MANUFACTURER FOR ISOLATED FITTINGS.

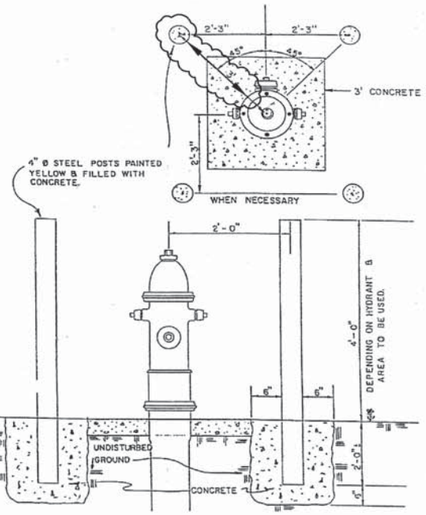
PIPE MATERIAL: PVC

SOIL TYPE: SANDY CLAY

TRENCH TYPE: 5

AVERAGE DEPTH OF BURY: 4 ft

TEST PRESSURE: 150 psi



WATER SYSTEMS STANDARDS - BERNALILLO COUNTY

DRAWING NUMBER		Revision	By	Approved	Date
BCW9	FIRE HYRANT GUARD POSTS — IF USED —				

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
JOINT RESTRAINT TABLE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV. 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	12-27

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION
CONTRACTOR A.S. HARVEK
WORK STAKED BY SAMER MILLER 1/08 DATE
INSPECTION & FIELD PLANS BY BCPWD 1/09 DATE
FIELD VERIFICATION BY BCPWD 1/09 DATE
DRAWINGS CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BOWMAN, NEW MEXICO, 13062, REGISTERED PROFESSIONAL ENGINEER, 8/1/07

NO.	DATE	BY	REMARKS	DESIGN	DATE
				DESIGNED BY TWTK	08/01/07
				DRAWN BY TWTK	08/01/07
				CHECKED BY DCM	08/01/07

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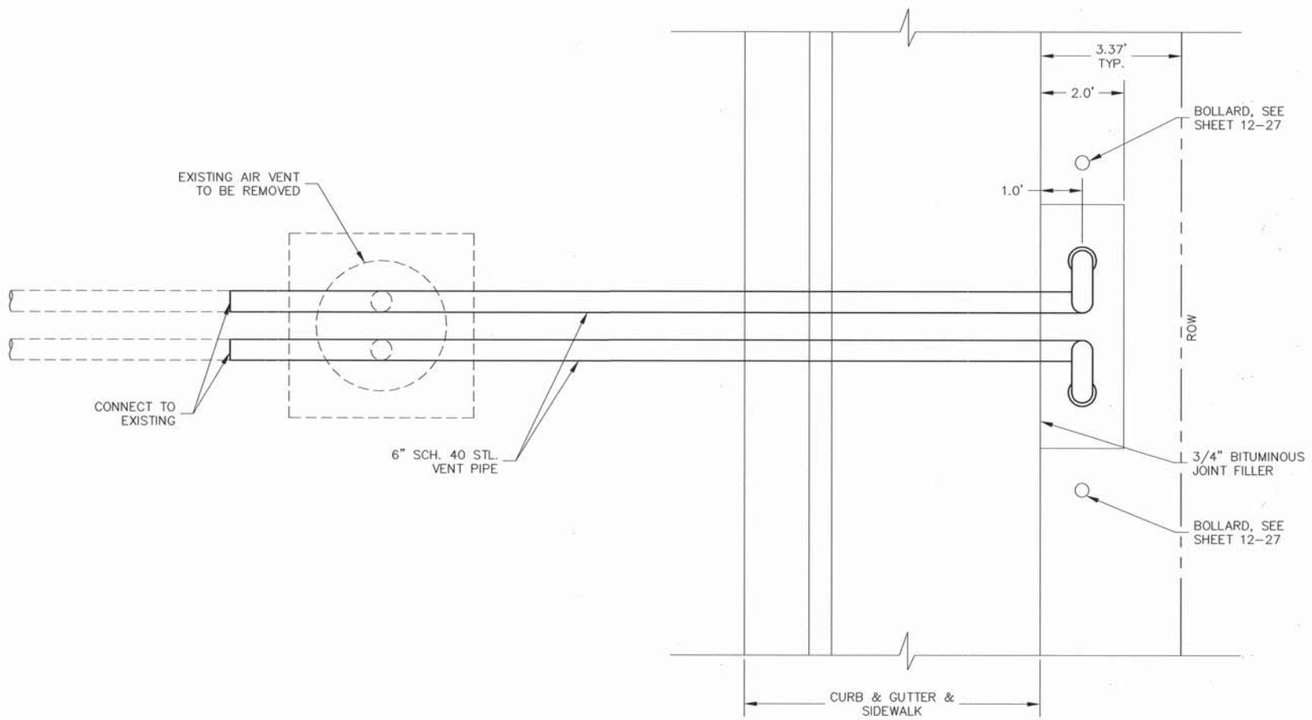
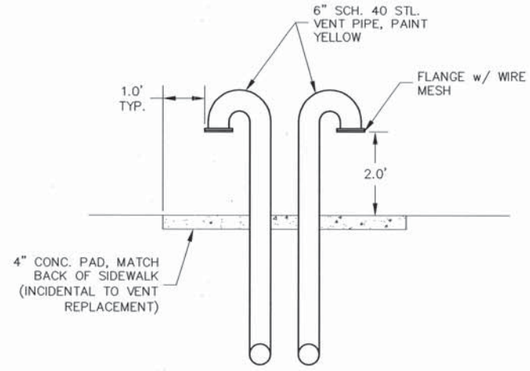
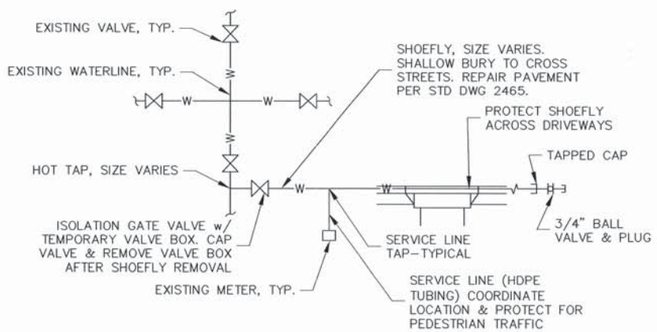


VENT REPLACEMENT PLAN
NOT TO SCALE



VENT REPLACEMENT DETAIL
NOT TO SCALE



TYPICAL TEMPORARY WATER SERVICE CONNECTION (SHOEFLY SYSTEM)
NOT TO SCALE

NOTES:

1. TEMPORARY SERVICE CONNECTIONS (SHOEFLY SYSTEM) CONSIST OF A HOT TAP ON THE MAIN WATERLINE, ISOLATION VALVE, TEMPORARY PIPING, TAPPING APPURTENANCES, SERVICE LINES TO EACH METERED CONNECTION, PROTECTION OF TEMPORARY PIPING, SERVICE LINES & APPURTENANCES & REMOVAL OF THE TEMPORARY SYSTEM AT THE END OF CONSTRUCTION. SYSTEM ALSO INCLUDES COORDINATION & NOTIFICATION TO EACH AFFECTED CUSTOMER.

2. PROVIDE HDPE, YELLOWMINE OR PVC CERTAINTEED CERTALOCK PIPE FOR SHOEFLYS.

3. PRESSURE TEST SHOEFLYS & CONNECTIONS IN ACCORDANCE w/ THE STANDARD SPECIFICATIONS.

4. DISINFECT SHOEFLYS & SERVICE CONNECTIONS IN ACCORDANCE w/ THE STANDARD SPECIFICATIONS.

5. PRIOR TO FINALIZING SERVICE LINE, CONNECTION TO CUSTOMER METER & AFTER DISINFECTION IS COMPLETE, COORDINATE w/ THE OWNER'S REPRESENTATIVE FOR OBTAINING A BAC-T SAMPLE. IF SAMPLE PASSES, THE CONNECTION CAN BE COMPLETED & TEMPORARY WATER SERVICE IMPLEMENTED. IF BAC-T SAMPLE FAILS, REDISINFECT & COORDINATE w/ THE OWNER'S REPRESENTATIVE FOR NEW BAC-T SAMPLES. REPEAT THIS PROCEDURE AT ALL SHOEFLY CONNECTIONS.

6. PRIOR TO CONSTRUCTION, SUBMIT SHOP DRAWINGS, WRITTEN PROCEDURES & DETAILS SHOWING PROPOSED TEMPORARY WATER SERVICE SYSTEM.

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SAUER MILLER 1/08 DATE
INSPECTION & FINAL INSPECTION BY B&PWD 1/09 DATE
FIELD VERIFICATION BY B&PWD 1/09 DATE
MAINLINE CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BURMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
7/17/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY	DATE
		DRAWN BY	DATE
		CHECKED BY	DATE

RECORD DRAWING

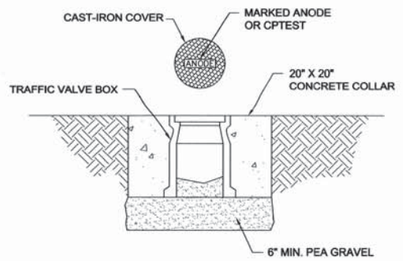
PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
VENT REPLACEMENT PLAN & DETAILS

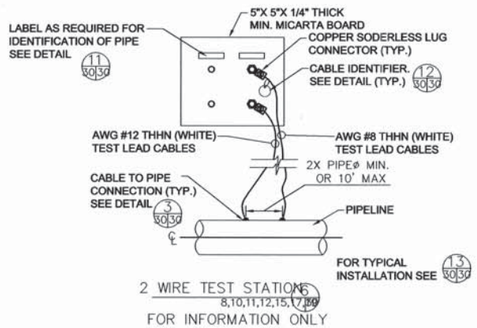
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	12-28



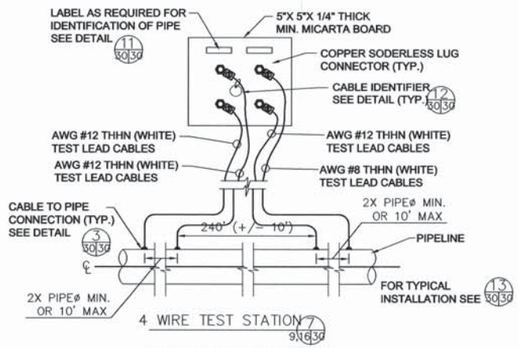
TEST STATION HOUSING (5, 30/30)

FOR INFORMATION ONLY



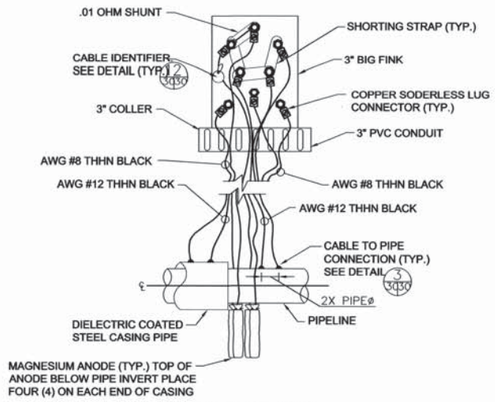
2 WIRE TEST STATION (5, 8,10,11,12,15,17,19)

FOR INFORMATION ONLY

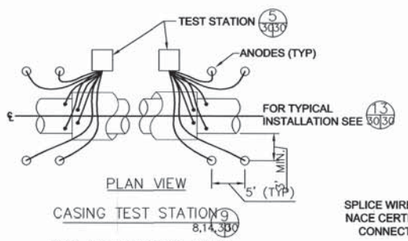


4 WIRE TEST STATION (7, 9,16,30)

FOR INFORMATION ONLY



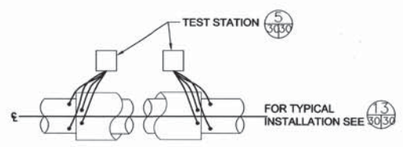
ELEVATION VIEW



PLAN VIEW

CASING TEST STATION (9, 8,14,30)

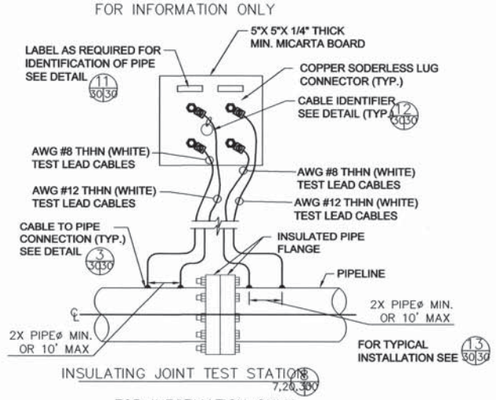
FOR INFORMATION ONLY



PLAN VIEW

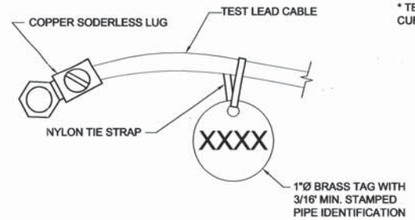
CASING TEST STATION (10, 7,13,17,18)

FOR INFORMATION ONLY



INSULATING JOINT TEST STATION (8, 7,26,30)

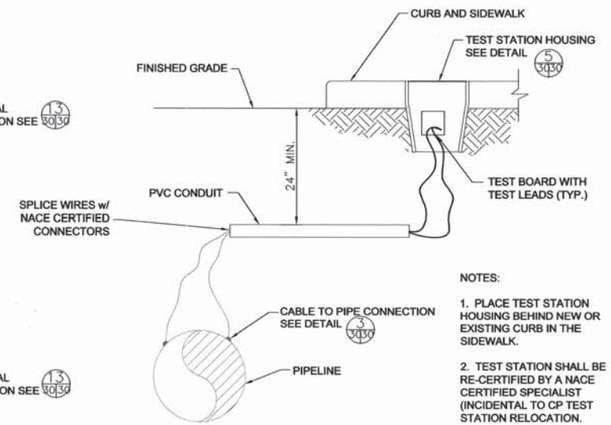
FOR INFORMATION ONLY



CABLE IDENTIFIER (12, 30/30)

CABLE IDENTIFIER LEGEND			
DESCRIPTION		COLOR/SIZE	LEGEND
PIPE LEAD	1	WHITE NO. 8	PØ1
PIPE LEAD	2	WHITE NO. 12	PØ2
PIPE LEAD	3	BLACK NO. 8	PØ3
PIPE LEAD	4	BLACK NO. 12	PØ4
CASING LEAD	1	BLACK NO. 8	CØ1
CASING LEAD	2	BLACK NO. 12	CØ2

FOR INFORMATION ONLY



CP TEST STATION INSTALLATION (TYP.) (13, 30/30)

NOTES:

1. PLACE TEST STATION HOUSING BEHIND NEW OR EXISTING CURB IN THE SIDEWALK.
2. TEST STATION SHALL BE RE-CERTIFIED BY A NACE CERTIFIED SPECIALIST (INCIDENTAL TO CP TEST STATION RELOCATION.

NOTES:

1. ENGRAVE LABEL ON MICARTA BOARD 3/16" MIN.
2. FOR CASING TEST STATIONS SCREEN PRINT LABEL 1/2" MIN. ON TEST STATION CAP.

PROJECT #	XXXX-XX
STATION #	XXX+XX

TEST BOARD LABEL (11, 30/30)

FOR INFORMATION ONLY

NOTES:

* TEST STATIONS SHALL BE CONSTRUCTED BETWEEN CURB & GUTTER AND SIDEWALK.

AS BUILT INFORMATION

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

CONTRACTOR A.S. HORNER DATE 7/08

WORK STAKED BY SAUER/MILLER 7/08 DATE

INSPECTOR'S ACCEPTANCE BY B.CHD 1/09 DATE

FIELD VERIFICATION BY B.CHD 1/09 DATE

LEGAL DESCRIPTIONS CORRECTED BY P.B. 5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

ENGINEER'S SEAL

JAMES H. BUKKMAN, NEW MEXICO, 13062, REGISTERED PROFESSIONAL ENGINEER, 1/11/09

NO.	DATE	REMARKS	BY

DESIGN DATE

DESIGNED BY

DRAWN BY

CHECKED BY

RECORD DRAWING

PB Parsons Brinckerhoff

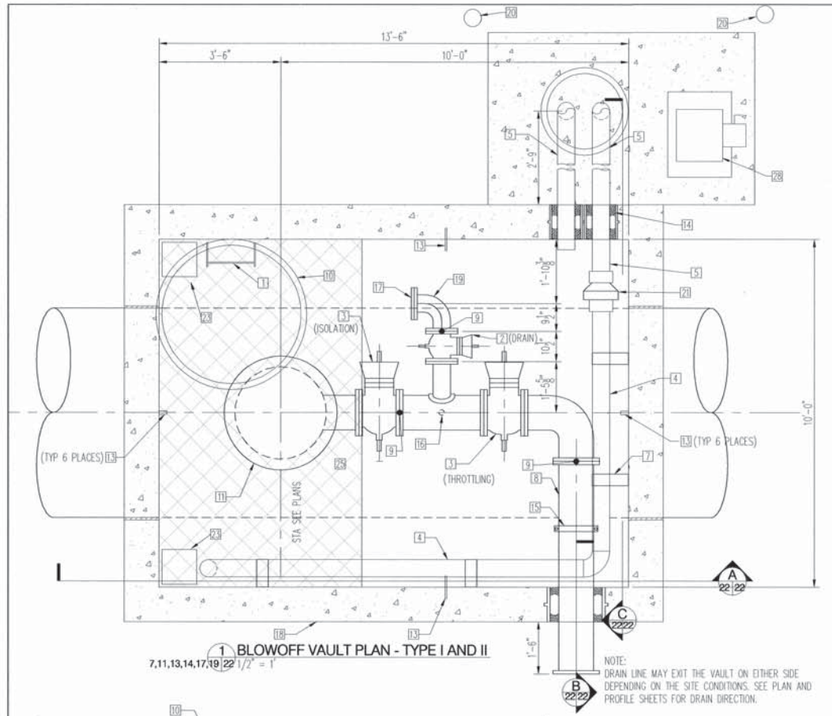
COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

CATHODIC PROTECTION DETAILS

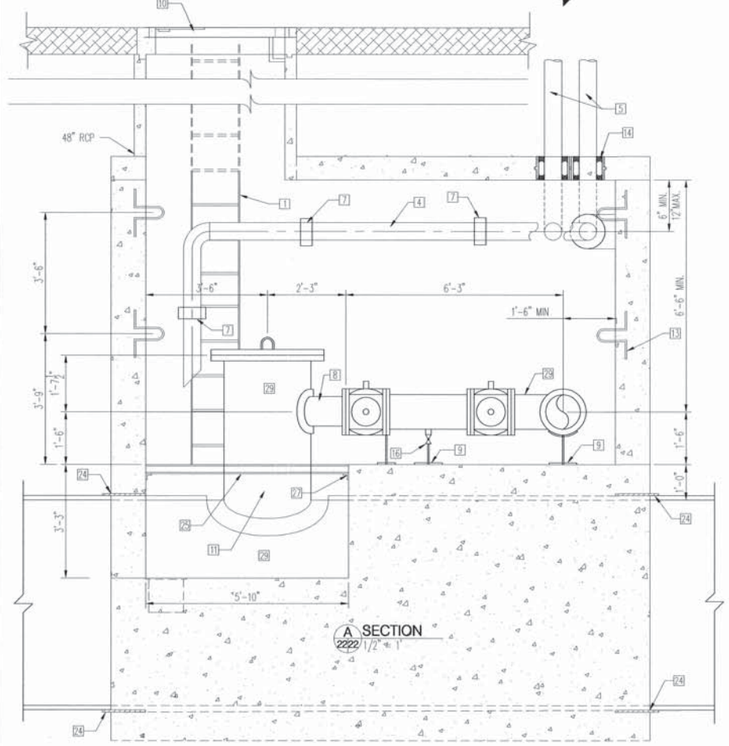
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	12-29



1 BLOWOFF VAULT PLAN - TYPE I AND II
7,11,13,14,17,19 22 1/2" = 1'

NOTE:
DRAIN LINE MAY EXIT THE VAULT ON EITHER SIDE DEPENDING ON THE SITE CONDITIONS. SEE PLAN AND PROFILE SHEETS FOR DRAIN DIRECTION.

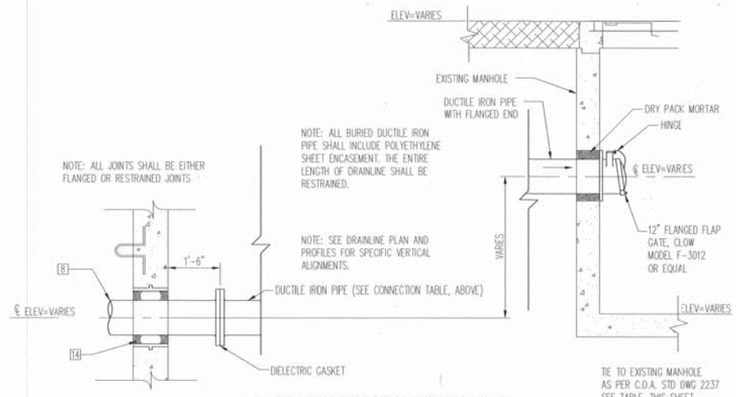


A SECTION
2222 1/2" = 1'

DRAINLINE CONNECTION TABLE							
		BLOW OFF VAULT DRAINLINE	EXISTING MANHOLE DATA				
STATION	WL CL ELEV	INV OUT	MANHOLE DRAINLINE INV IN	MH INV	MH RIM	LENGTH	* STRUCTURE VAULT TYPE
223+86.00	4947.47	4952.47	4960.25	4952.50	4971.81	76.78	II
240+52.10	4953.23	–	–	–	–	–	III
251+24.38	4960.21	–	–	–	–	–	III
275+62.31	4966.47	4971.47	–	–	–	–	I
290+92.00	4975.03	4980.03	4985.41	4980.41	4999.01	177.21	II
299+00.00	4968.20	4973.20	4995.28	4973.77	5000.57	77.12	II
313+54.69	4984.39	–	–	–	–	–	III
333+66.32	4985.57	4990.57	4994.22	4991.22	5003.14	72.15	I
353+88.54	5021.87	–	–	–	–	–	III
360+50.00	5022.30	5027.30	5030.80	5027.50	5035.31	220.56	I

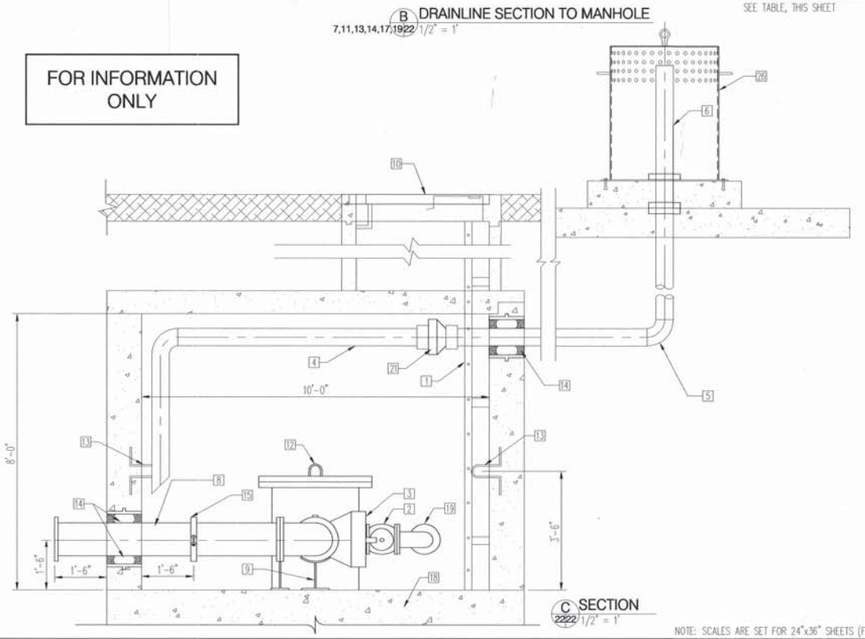
CONNECTION TABLE

*NOTE: FOR STUCTURAL DETAILS
SEE TYPE I DETAILS, SHEETS 26 AND 27
SEETYPE II DETAILS, SHEETS 32 AND 33
SEE TYPE III DETAILS, SHEET 23



B DRAINLINE SECTION TO MANHOLE
7,11,13,14,17,19 22 1/2" = 1'

FOR INFORMATION ONLY



C SECTION
2222 1/2" = 1'

NOTE: SCALES ARE SET FOR 24"x36" SHEETS (FULL SIZE)

GENERAL NOTES

1. VALVES SHALL BE WHEEL OPERATED.
2. ALL STEEL PIPE SHALL BE LINED AND COATED PER SPECS AND ALL JOINTS ON STEEL PIPE SHALL BE DOUBLE WELDED.
3. VAULT FLOOR SHALL SLOPED 2% TO SUMP.
4. DRAINLINE MAY EXIT THE VAULT ON EITHER SIDE DEPENDING ON THE SITE CONDITIONS. SEE PLAN AND PROFILE SHEETS FOR DRAIN DIRECTION.
5. ALL BURIED DUCTILE IRON PIPE SUCH AS THE DRAINLINES SHALL BE ENCASED WITH POLYETHYLENE SHEETING. ENTIRE LENGTH OF DRAINLINE SHALL BE RESTRAINED.

KEYED NOTES:

1. LADDER (6/2224)
2. 6" PLUG VALVE
3. 12" PLUG VALVE
4. 6" ALUMINUM SPIRAL WOUND DUCT
5. 6" SCH. 40 PVC AIR VENT.
6. 6" SCH 40 GALV. STEEL VENT PIPING
7. VENT PIPE SUPPORT (4/2224)
8. 12" STEEL PIPE – GROOVED END X FLANGE
9. ADJUSTABLE PIPE SUPPORT, PHD MFG FIG. 878, STANDON NO. S96 OR EQUAL
10. 48" FRAME AND MANHOLE COVER, NEENAH FOUNDRY R-1741-F, TYPE C
11. 30" DIA RISER, SEE (1/2229)
12. LIFTING LUG, SEE (8/2224)
13. HANDLING EYE, SEE (5/2224)
14. LINK SEAL DETAIL (3/2234)
15. VICTAULIC COUPLING
16. 2" CLOSE COUPLING AND 2" BALL VALVE INSTALLED ON BOTTOM OF TEE
17. 6" BLIND FLANGE
18. CONCRETE ENCASEMENT (3/2228)
19. 6" 90° WELD STEEL ELBOW
20. 6" PIPE BOLLARDS PER COA STD. DWG. 2250 WITH STATIONARY POST
21. VENTILATION FAN
22. HALF CONCRETE ENCASEMENT SEE DETAIL (2/2228)
23. 12"x12" DEEP SUMP WITH GRATE (3/2227)
24. 6" WIDE STRIP OF ¼" THICK ASPHALT IMPREGNATED EXPANSION JOINT MATERIAL
25. GALVANIZED GRATING AND SUPPORTS SEE STRUCTURAL SHT. 27
26. AIR VENT COVER (4/2228)
27. 1½"x1½"x¼" ANGLE GRATING SUPPORT W/ ⅜" STAINLESS STEEL EXPANSION ANCHOR BOLTS AT 16" O.C.
28. ELECTRICAL PANEL, SEE SHEET 27
29. PAINT ALL EXPOSED METAL SURFACES (NOT GALVANIZED) PER SPECIFICATION 09900, SYSTEM 10

RECORD DRAWING

ALL Elevations are in INTERIM NAVD 88 DATUM. To convert from INTERIM NAVD 88 to NGVD 29 subtract 2.70 feet ± 0.02 feet.

Bohannan ▲ Huston Inc.
Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335
ENGINEERING ▲ SPATIAL DATA ▲ ADVANCED TECHNOLOGIES

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

SJC DWP TRANSMISSION PIPELINE #3 EAST VALLEY
BLOW OFF VAULT - TYPE I AND II
PLAN AND ELEVATION

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
681005	F15–16, G14–15	22	52

BHI JOB NO. 0.30080.002.07.CWH Date: 11.24.04 12–30

AS-BUILT INFORMATION
CONTRACTOR A.S. HARKNER DATE 1/08
PROJECT ENGINEER Sonder Miller DATE 1/09
INSPECTOR ACCEPTANCE BY BCPWD DATE 1/09
AS-BUILT VERIFICATION BY BCWD DATE 5/09
DRAWING PREPARED BY P.B. DATE 5/09
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

No.	Date	REMARKS	By
		REVISIONS	
		DESIGN	

Designed By: A.S.M./E.E.S. DATE: 11.24.04
Drawn By: B.H.I. DATE: 11.24.04
Checked By: E.E.S./D.K.D. DATE: 11.24.04

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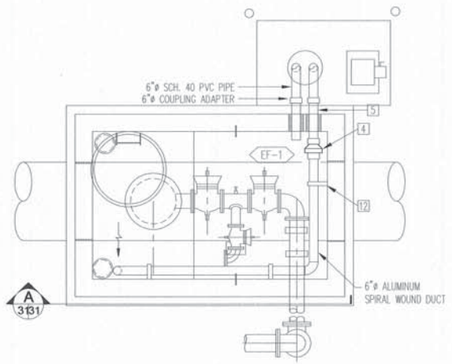
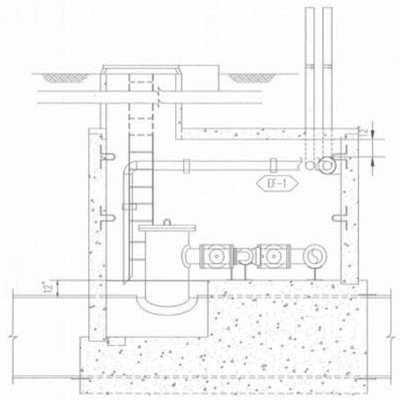
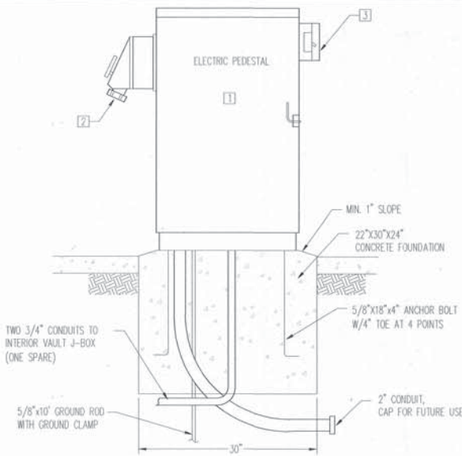


1 22,3131 MECHANICAL PLAN
1/4"=1'-0" (TYPICAL ALL LOCATIONS)



A 3131 SECTION AT BLOW OFF VAULT
1/4"=1'-0"



B 3131 SERVICE EQUIPMENT DETAIL
NOT TO SCALE

GENERAL NOTES

1. EACH CONSTRUCTION TRADE SHALL COORDINATE WITH GENERAL CONTRACTOR FOR OVERALL PROJECT WORK. ALL EQUIPMENT LOCATIONS SHALL BE VERIFIED WITH THE MECHANICAL CONTRACTOR. THE EXACT LOCATIONS OF ALL MECHANICAL FIXTURES AND ROUTING OF ALL PIPING SHALL BE COORDINATED WITH MECHANICAL/ELECTRICAL CONTRACTORS AND APPROVED BY THE ENGINEER DURING CONSTRUCTION.

2. ALL WORK SHALL BE IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL CODES, LAWS AND REGULATIONS. ALL WORK TO BE COMPLETED PER THE INTERNATIONAL MECHANICAL CODE (LATEST EDITION).

3. ALL DUCT SIZES SHOWN ON DRAWINGS ARE INSIDE FREE AREA DIMENSIONS.

4. PROVIDE FLEXIBLE DUCT CONNECTIONS AT ALL MOTOR UNIT HOUSINGS.

5. COORDINATE ALL PROPOSED WALL PENETRATION WITH GENERAL CONTRACTOR AND RELOCATE IF NECESSARY.

6. PROVIDE ALL DUCTWORK CONNECTIONS AND TRANSITIONS AT GRILLES AND OTHER LOCATIONS WHERE REQUIRED. CONSTRUCT ALL TRANSITIONS AND CONNECTIONS FROM ALUMINUM ACCORDING TO SMACNA STANDARDS.

7. ALL OF THE CONDUIT AND EQUIPMENT SHALL BE INSTALLED AND GROUNDED IN ACCORDANCE WITH THE 2002 EDITION OF THE NATIONAL ELECTRICAL CODE AND APPLICABLE STATE AND LOCAL CODES.

8. CONDUIT INSTALLATIONS SHALL BE INSTALLED IN A MANNER TO PREVENT CONFLICTS WITH EQUIPMENT AND STRUCTURAL CONDITIONS. EXPOSED CONDUITS SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO BEAMS AND WALLS.

9. CONDUITS SHALL BE TERMINATED SO AS TO PERMIT NEAT CONNECTIONS TO ENCLOSURES AND OTHER EQUIPMENT.

10. NO CONDUIT SMALLER THAN 3/4" PIPE NOR WIRE SMALLER THAN NO. 12 A.W.G. SHALL BE USED UNLESS OTHERWISE NOTED.

11. LIGHTING FIXTURES SHALL BE MOUNTED ACCORDING TO THE MOUNTING HEIGHT GIVEN ON THE DRAWINGS. THE MOUNTING HEIGHT SHALL BE MEASURED FROM THE BOTTOM OF THE LIGHTING TO FINISHED GRADE OR FLOOR.

12. ALL CONDUCTORS AND DEVICES TO HAVE A PROPER GROUNDING SYSTEM INSTALLED PER NEC 250. NO GROUND CONDUCTOR SHOWN ON PLAN LAYOUTS FOR CLARITY PURPOSES ONLY. ALL FEEDER AND BRANCH CONDUITS ARE TO BE CONSTRUCTED WITH A PROPERLY COORDINATED GROUND CONDUCTOR SIZE FOR EACH BRANCH CIRCUIT.

13. ALL CONDUIT TO BE PVC COATED RIGID METALLIC CONDUIT OR LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT. STRAP MOUNT ALL CONDUIT SECURELY TO WALL WITH EPOXY ANCHORS. NO CONDUIT TO BE INSTALLED ON REMOVABLE ROOF PANELS.

KEYED NOTES

1. 120/240V, 1 PHASE, 3 WIRE, UNMETERED ELECTRIC PEDESTAL, MILBANK CP3010TFE140T OR EQUAL, W/ INTERIOR POWER DISTRIBUTION PANEL.
2. HEAVY DUTY SAFETY SWITCH, NEMA 3R ENCLOSURE W/ UNFUSED PIN AND SLEEVE RECEPTACLE, 60A, 240 VAC, HUBBELL HBL360M6W OR EQUAL. LABEL ENCLOSURE "GENERATOR POWER".
3. LOCKABLE, HINGED SWITCH ENCLOSURE, NEMA 4 W/ TWO 20A, 120 VAC SWITCHES ON INTERIOR PANEL FACE. LABEL "FAN" AND "LIGHTS".
4. MOUNT IN-LINE DUCT FAN. SEE FAN SCHEDULE THIS SHEET. PROVIDE STAINLESS STEEL/RUBBER FLEXIBLE CONNECTION BOTH ENDS.
5. SCH. 40 PVC PIPE VENTS. LINK SEAL CONCRETE WALL PENETRATION. (TYPICAL OF 2). SEE DETAIL 3/3134
6. COMMERCIAL UNMETERED PEDESTAL, SEE DETAIL THIS SHEET.
7. 6"x6"x4" STAINLESS STEEL NEMA 4X JUNCTION BOX.
8. WEATHERPROOF RECEPTACLE, GFCI BREAKER PROTECTED, HINGED CORD COVER PROTECTION. (TYPICAL OF ALL LOCATIONS.)
9. TWO 3/4" CONDUITS (ONE SPARE). INSTALL 6-12 AWG AND 1-12 AWG (GROUND). BURY 24" MINIMUM. GROUT SEAL CONCRETE WALL PENETRATION.
10. COMPLETE WIRING PER ONE LINE DIAGRAM SHOWN ON THIS SHEET.
11. SECURELY MOUNT FIXTURE TO VAULT WALL. SEE LIGHT FIXTURE SCHEDULE ON THIS SHEET FOR INDIVIDUAL FIXTURE CALL OUTS (TYPICAL).
12. PIPE VENT SUPPORT BRACKET (TYPICAL OF 4).

EXHAUST FAN SCHEDULE

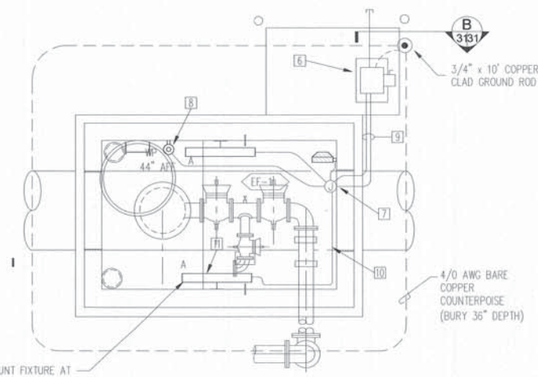
SYMBOL	SERVICE	CFM	EXT. S.P.	H.P. (WATTS)	RPM	VOLTS/ PHASE	DRIVE	MANUFACTURER AND MODEL #	OPTIONS
EF-1	VAULT INLINE	235	0.4"	(130)	2750	120/1ø	DIRECT	FANTECH FR-160	COMPANION FLANGES; WET DUTY SERVICE RATING

LIGHT FIXTURE SCHEDULE

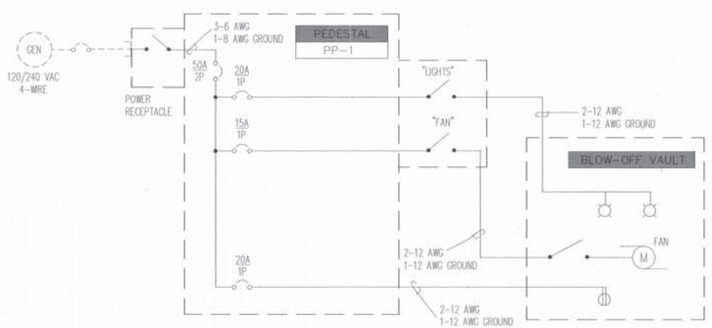
TYPE	MANUFACTURER/MODEL NO.	DESCRIPTION	LAMPS QUAN.	LAMPS WATTS	LAMPS TYPE	MOUNTING	VOLT
A	COLUMBIA FNPV-42-32-PAEB8-120-2HS-PEBAHSMS	4', 2-LAMP FLUORESCENT FIXTURE WITH FULLY GASKETED NON-METALLIC FIBERGLASS HOUSING, STAIN-RESISTANT STAINLESS STEEL LATCHES, ONE PIECE IMPACT RESISTANT ACRYLIC DIFFUSER WITH SMOOTH SURFACE AND ELECTRONIC BALLAST.	2	32	T8	WALL/ SURFACE	120

PANEL SCHEDULE
NOT TO SCALE

Panel PP-1 - SERVICE PANEL		Location: PEDESTAL at BLOWOFF VAULT							
Ratings: 120/240 VAC, 1 phase, 3 Wire, 50A MCB, Copper Neutral and Ground Busses, 14,000 AIC RATED									
CCT No.	DESCRIPTION	BKR SIZE	VA	Phase A	Phase B	VA	BKR SIZE	DESCRIPTION	CCT No.
1	Lighting Circuit	20A/1P	160	520		360	20A/1P	Receptacle Circuit	2
3	Spare	20A/1P	0		300	300	15A/1P	Fan	4
5	Spare	20A/1P	0	0		0	20A/1P	Spare	6
7	Space	-	0		0	0	-	Space	8
9	Space	-	0	0		0	-	Space	10
11	Space	-	0		0	0	-	Space	12
13	Space	-	0	0		0	-	Space	14
15	Space	-	0		0	0	-	Space	16
18	Space	-	0	0		0	-	Space	18
	Total Connected Load			520	300	Estimated Demand			
	Largest Motor			0	75	25%			
	Phase Demand Load			520	375	100%			
	Total Service Demand Load					895			
	Service Voltage					240			
	Service Amps					4			



2 3131 ELECTRIC PLAN
1/4"=1'-0" (TYPICAL ALL LOCATIONS)



3 3131 POWER ONE-LINE DIAGRAM
NOT TO SCALE

NOTE: SCALES ARE SET FOR 24"x36" SHEETS (FULL SIZE)

AS-BUILT INFORMATION
CONTRACTOR: A.S. HARNER DATE
WORK STAKED BY: SNYDER MILLER DATE: 4/08
INSPECTION ACCEPTANCE BY: BCPWD DATE: 1/09
AS-BUILT VERIFICATION BY: BCPWD DATE: 4/09
DRAWINGS CORRECTED BY: P.B. DATE: 5/09
MICRO-FILM INFORMATION
RECORDED BY: DATE:
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

No.	Date	REMARKS	By
		REVISIONS	
		DESIGN	

Designed By: MRT DATE: 11.24.04
Drawn By: LLM DATE: 11.24.04
Checked By: MRT DATE: 11.24.04

Bohannan ▲ Huston INC
Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335
ENGINEERING ▲ SPATIAL DATA ▲ ADVANCED TECHNOLOGIES

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

SJC DWP TRANSMISSION PIPELINE #3 EAST VALLEY
BLOW-OFF VAULT ELECTRICAL/MECHANICAL PLANS AND DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 681005 | Zone Map No. F15-16, G14-15 | Sheet 31 Of 52

BHI JOB NO. 030080.002.07.CWH Date: 11.24.04

12-31

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POTHOLE LOG DATA

POTHOLE NUMBER		CL EDITH STATION	OFFSET (-LT/+RT)	UTILITY TYPE	MATERIAL	DIAMETER	DEPTH TO TOP
1		11+58.10	53.43	WATER	PVC	8"	38 IN.
2		11+76.37	50	GAS	WRAPPED METALLIC	4"	49 IN.
3	A	11+88.48	57.97	COMM	PVC	4"	29 IN.
	B			COMM	PVC	2"	31 IN.
	C			UNKNOWN	METALLIC	6"	32 IN.
4		13+80.57	-23.16	WATER	METALLIC	12"	52 IN.
5	A	20+57.54	22	COMM	PVC	4"	40 IN.
				COMM	PVC	4"	40 IN.
6		20+57.13	34.01	GAS	COATED METALLIC	1 1/2"	39 IN.
7		22+08.72	-35.18	GAS	COATED METALLIC	4"	56 IN.
	A			COMM	PVC	4"	51 IN.
8	B	22+06.10	21.67	COMM	PVC	2"	52 IN.
9				WATER	COATED METALLIC	6"	59 IN.
9		16+51.10	17.39	WATER	NOT LOCATED	CLEAR TO	120 IN.
10	A	17+20.35	17.04	SAS	C.C.P.	72"	100 IN.
11		22+05.99	19.36	H20	COATED METALLIC	6"	59 IN.
12		25+15.16	-23.84	CATV	PVC	2"	14 IN.
13		25+93.02	38.11	COMM	CONCRETE DUCT	30"	91 IN.
14		25+92.81	35.16	H20	NOT LOCATED	CLEAR TO	96 IN.
15		25+90.07	-26.4	H20	NOT LOCATED	CLEAR TO	96 IN.
16		31+30.86	73.1	GAS	WRAPPED METALLIC	2"	29 IN.
17		31+52.17	77.37	H20	PVC	12"	45 IN.
18		27+97.42	-38.06	GAS	COATED METALLIC	4"	58 IN.
19		33+06.59	-34.29	GAS	COATED METALLIC	4"	44 IN.
20		33+10.40	-28.55	H20	METALLIC	12"	52 IN.
21		33+13.48	-32.26	COMM	POLY CABLE	1 1/2"	41 IN.
22		37+05.73	74.47	GAS	WRAPPED METALLIC	2"	51 IN.
23		37+29.14	101.57	H20	AC	6"	45 IN.
24		37+38.75	-35.23	GAS	COATED METALLIC	4"	46 IN.
25		37+11.75	-32.29	H20	METALLIC	12"	57 IN.
26		37+07.34	34.04	COMM	PVC	4"	31 IN.
27		38+09.74	18.88	COMM	PVC	2"	34 IN.
28		70+87.94	68.99	GAS	COATED METALLIC	2"	24 IN.
62		30+73.65	689.34	GAS	WRAPPED METALLIC	2"	35 IN.
63		30+66.21	688.32	COMM	POLY CABLE	1 1/2"	30 IN.
63-1		12+04.37	-29.06	H2O	?	12"	48 IN.
63-2		12+03.91	-23.41	H2O	?	10"	43 IN.
64		30+95.08	493.83	ALAMEDA DRAIN	NOT LOCATED	CLEAR TO	10 FT.
65		14+70.35	-48.39	GAS	?	?	54 IN.
65		34+19.05	22.26	COMM	PVC	4"	37 1/2 IN.
66		20+46.75	17.13	GAS	POLY	2"	30 IN.
66-4"G		17+73.92	-33.88	GAS	?	4"	?
67		22+44.26	38.97	COMM	NOT LOCATED	CLEAR TO	8 FT.
68				COMM	NOT LOCATED	WENT TO	TOP OF GAS
68		73+40.15	-38.91	GAS	INSULATED METALLIC	8"	53 IN.
68-1		73+36.79	-52.3	GAS	METALLIC	2"	36 IN.
69		72+33.47	-34.79	GAS	NOT LOCATED	CLEAR TO	108 IN.
70		31+46.01	154.73	H2O	PVC	12"	47 IN.
71		31+33.62	304.32	H2O	PVC	12"	44 IN.
72		22+12.30	16.07	H2O	NOT LOCATED	CLEAR TO	120 IN.
73	1	21+88.12	-11.22		NOT LOCATED	CLEAR TO	120 IN.
73	2	21+87.44	-4.96		PVC	8"	73 IN.
73B		24+97.17	40.67	COMM	?	2"	31 IN.
73-10"PVC		23+46.03	21.34	H2O	PVC	10"	64
74-1 3/4"G		32+17.29	16.2	GAS	?	1-3/4"	33
74-2"G		31+32.63	4.26	GAS	?	2"	40 IN.
74B		37+08.66	6.63	GAS	?	2"	55 IN.
75		37+33.41	6.33	H2O	AC	6"	55 IN.
75-1		28+18.13	7.07	H2O	NOT LOCATED	CLEAR TO	60 IN.
75-2		24+91.20	32.47	H2O	NOT LOCATED	CLEAR TO	96 IN.
75-3	TRENCH	24+79.48	32.41	H2O	PVC/METALLIC	8"	96 IN.
76	A	29+21.18	36.78	COMM	CONCRETE DUCT	96"	91 IN.
76	B			COMM	DIRECT BURY	1/2"	91 IN.

POTHOLE LOG DATA (CONTINUED)

POTHOLE NUMBER		CL EDITH STATION	OFFSET (-LT/+RT)	UTILITY TYPE	MATERIAL	DIAMETER	DEPTH TO TOP
77		62+61.14	-37.88	GAS	WRAPPED METALLIC	6"	41 IN.
78	A			COMM	PVC	4"	110 IN.
78	B			COMM	PVC	4"	113 IN.
78	C			COMM	PVC	4"	112 IN.
79		73+05.07	-52.64	H2O	PVC	10"	42 IN.
80		75+48.79	37.56	COMM	CONCRETE CAP	24"	63 IN.
81		78+23.94	36.37	COMM	CEMENT CAP	24"	51 IN.
82		58+61.09	42.32	GAS	?	4"	52 IN.
82		79+62.12	23.25	H2O	METAL IRON	10"	26 IN.
83	A	79+57.68	36.66	COMM	DIRECT BURY	1"	55 IN.
83	B			COMM	CEMENT CAP	26"	58 IN.
83		58+83.79	45.1	H2O	PVC	8"	64 IN.
84	A	18+42.60	31.33	COMM	PVC	4"	40 IN.
85	B	18+42.44	39.49	COMM DUCT	CEMENT	24"	60 IN.
86		31+21.55	35.85	COMM DUCT	CEMENT	22"	62 IN.
86		61+94.56	25.94	H2O	?	10"	36 IN.
87		33+18.42	13.02	H2O	NOT LOCATED	8'	
88	A	42+62.91	35.25	COMM	PVC	5"	54 IN.
88	B			COMM	PVC	5"	51 IN.
88	C			COMM	PVC	5"	56 IN.
88	D			COMM	PVC	5"	57 IN.
89		60+97.67	36.7	COMM DUCT	CEMENT CAP	24"	64 IN.
90		34+21.49	-47.2	H2O	NOT LOCATED	CLEAR TO	8 FT.
91		80+90.70	23.8	H2O	DUCTILE IRON	10"	59 IN.
92		80+90.02	37.22	COMM	CEMENT CAP	24"	46 IN.
93		35+89.16	10.22	H2O	NOT LOCATED	CLEAR TO	8 FT.
100		18+84.40	58.97	GAS	WRAPPED METALLIC	2"	42 IN.
200		18+86.46	69.2	WATER	METALLIC	8"	48 IN.
300		18+76.07	22.58	WATER	METALLIC	6"	47 IN.
400		18+74.90	34.16	WATER	PVC	6"	71 IN.
500		41+43.05	-34.52	WATER	C.I.	12"	61 IN.
600		45+84.09	-36.95	GAS	WRAPPED METALLIC	4"	59 IN.
700		45+99.28	-39.21	WATER	C.I.	12"	51 IN.
800		70+43.60	-38.38	GAS	COATED METALLIC	6"	45 IN.
900		70+90.78	37.1	COMM. DUCT	CONCRETE DUCT	36"	78 IN.
1000		71+11.78	70.65	WATER	C.I.	10"	53 IN.
1001		73+51.97	-38.04	GAS	WRAPPED METALLIC	6"	47 IN.
1002		73+51.83	-39.41	COMM	NOT LOCATED	CLEAR TO	96 IN.
1003		74+81.34	26.9	GAS	WRAPPED METALLIC	2"	37 IN.
1004	A	75+64.99	27.86	GAS	COATED METALLIC	1"	28 IN.
	B			COMM	BURIED	1"	26 IN.
1005		47+48.26	37.8	COMM	CONCRETE DUCT	30"	46 IN.
1006	A	31+26.78	22.05	COMM	PVC	2"	39 IN.
	B			COMM	PVC	4"	38 IN.
1007	A	31+29.52	36.61	WATER	NOT LOCATED	CLEAR TO	98 IN.
				COMM	CONCRETE DUCT	4"	69 IN.
1008		35+20.37	35.42	COMM	CONCRETE DUCT	-	79 IN.
1009		49+96.98	38.62	COMM	CONCRETE	-	63 IN.
1010		17+69.77	-15.44	WATER	COATED METALLIC	12"	44 IN.
1011		25+94.22	10.65	WATER	TRANSITE	32"	11 FT.
1012		25+94.68	4.92	WATER	NOT LOCATED	CLEAR TO	18 FT.
1013	A	34+09.96	-595.74	S.S.	AC	4"	31 IN.
	B	34+07.57	-593.6	S.S.	PVC	4"	22 IN.
1014				S.S.	NOT LOCATED	CLEAR TO	10 FT.
1015		34+32.65	-594.17	WATER	NOT LOCATED	CLEAR TO	8 FT.
1016		34+09.66	3.33	WATER	C.C.I.S.	72"	147 IN.
1016		34+25.36	-509.29	SAS	?	?	?
1017		36+74.41	2.39		C.C.I.S.	72"	117 IN.
1018		28+90.68	-1303.6	F.O.	Heavy Duty HDPE	4 1/2"	62 IN.
1019		16+51.62	-7.08	SAS	PVC	4"	57 IN.
1020		28+93.61	-1414.53	SAS	AC	6"	35 IN.
1021		29+75.86	-1811.6	H2O	COPPER	1"	38 IN.
1022		29+90.58	-1876.53	SAS	PVC	4"	29 IN.
1023		30+25.86	-2086.76	SAS	PVC	4"	43 IN.

COMMENTS

PVC	POLYVINYL CHLORIDE
CATV	CABLE T.V.
C.I.	CAST IRON
AC	ASBESTOS CEMENT
C.C.L.S.	CONCRETE LINED STEEL
C.C.P.	CONCRETE CYLINDER PIPE
S.S.	SANITARY SEWER

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
STAKED BY SNIDER MILLER 1/08 DATE
INSPECTOR'S INITIALS AGC
BCPWD 1/09 DATE
BCPWD 1/09 DATE
PB 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, g-F15", epoxied to top of concrete drop inlet. ENE quadrant of Montano Rd. & Edith Blvd. int. centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES N. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO. DATE BY
REVISIONS
DESIGN
DESIGNED BY JB DATE 8/1/07
DRAWN BY VV DATE 8/1/07
CHECKED BY DATE

RECORD DRAWING

PB Parsons 200 1822 Brinckerhoff

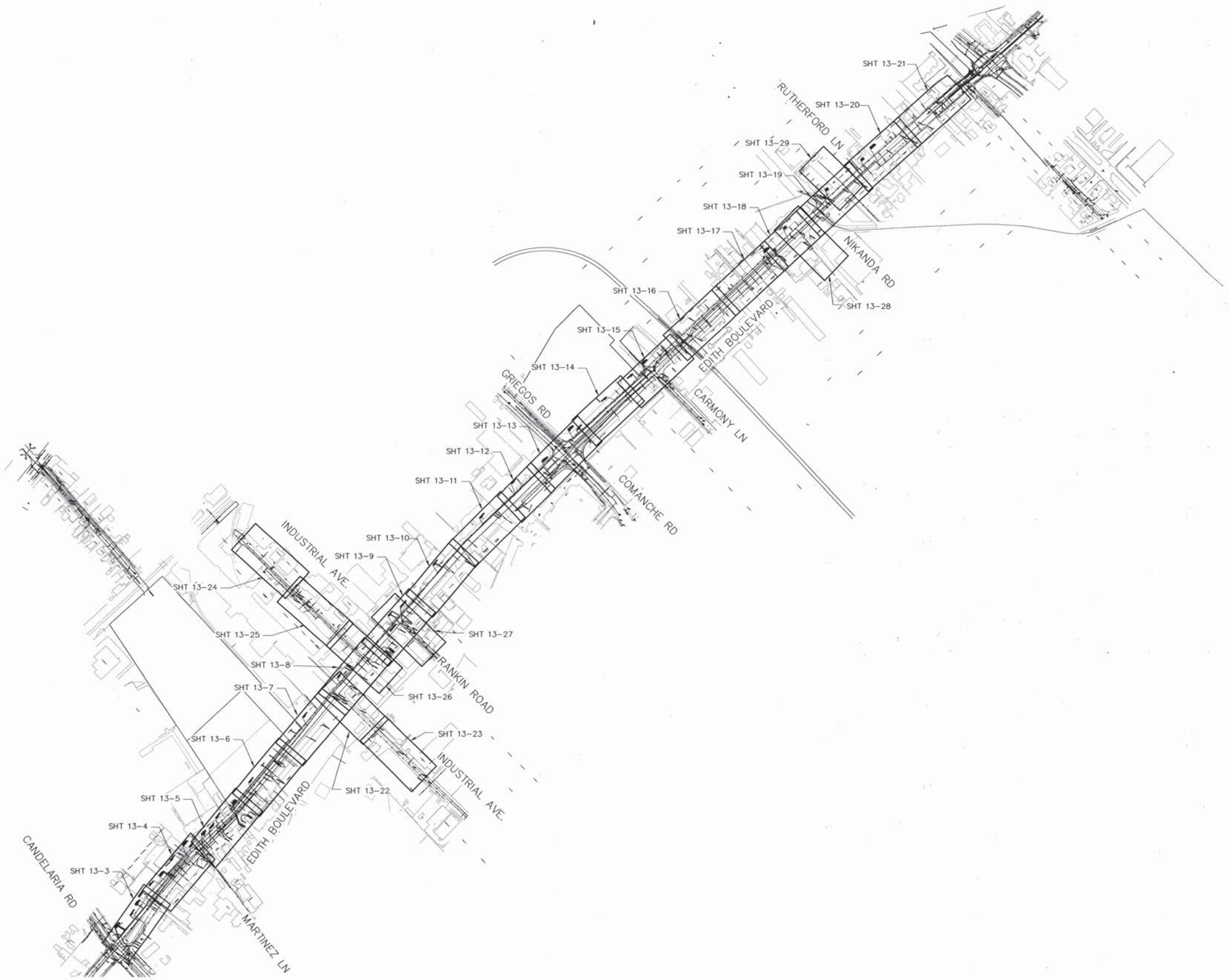
COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
POTHOLE DATA

DESIGN REVIEW COMMITTEE: APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL: APPROVED NOV 14 2007 CITY ENGINEER
MO./DAY/YR. | MO./DAY/YR.

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 13-1

G:\33588_Edith\04 Engineering\Plans\Existing Utilities\Pothole Data.dwg 8/14/2007 4:01:20 PM MDT



NOT TO SCALE

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

EDITH BOULEVARD EXISTING UTILITY LAYOUT

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	13-2

AS BUILT INFORMATION

CONTRACTOR A.S. Harrison

WORK STAKED BY Snyder Miller DATE

INSPECTIONS DISCIPLINE BY BCPWD DATE

FIELD VERIFICATION BY BCPWD DATE

AS-BUILTING BY P.B. DATE

CORRECTED BY MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.

NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 11/7/07

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	TWTK	08/01/07 DATE
DRAWN BY	TWTK	08/01/07 DATE
CHECKED BY	DCM	08/01/07 DATE

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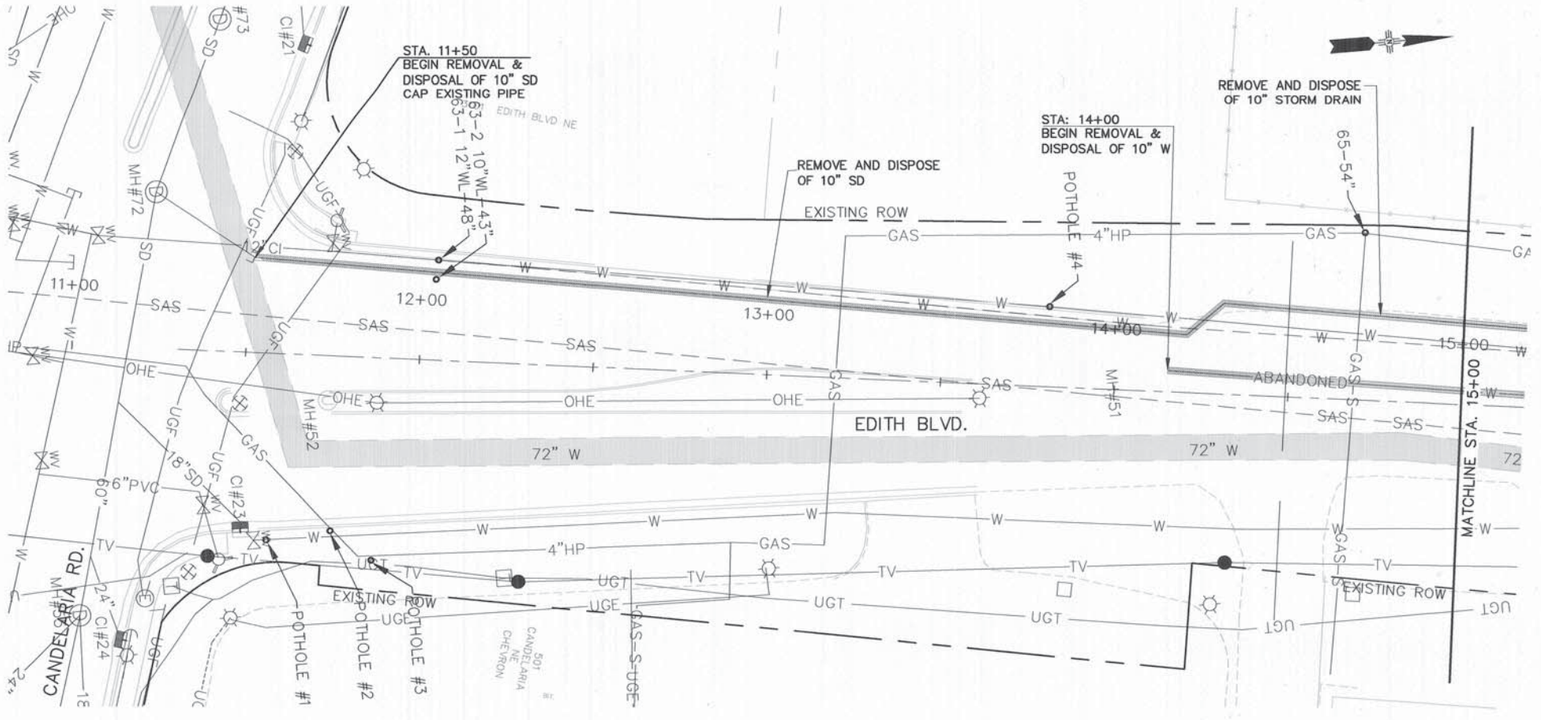

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

LEGEND:

- UTILITY REMOVAL
- POTHOLE

RECORD DRAWING

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. Horner
WORK STAKED BY Sauder Miller
INSPECTORS ACCEPTANCE BY BAPWD
VERIFICATION BY BAPWD
CORRECTED BY P.B.
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCHANAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	TWTK	08/01/07
DRAWN BY	TWTK	08/01/07
CHECKED BY	DCM	08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD EXISTING UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	13-3

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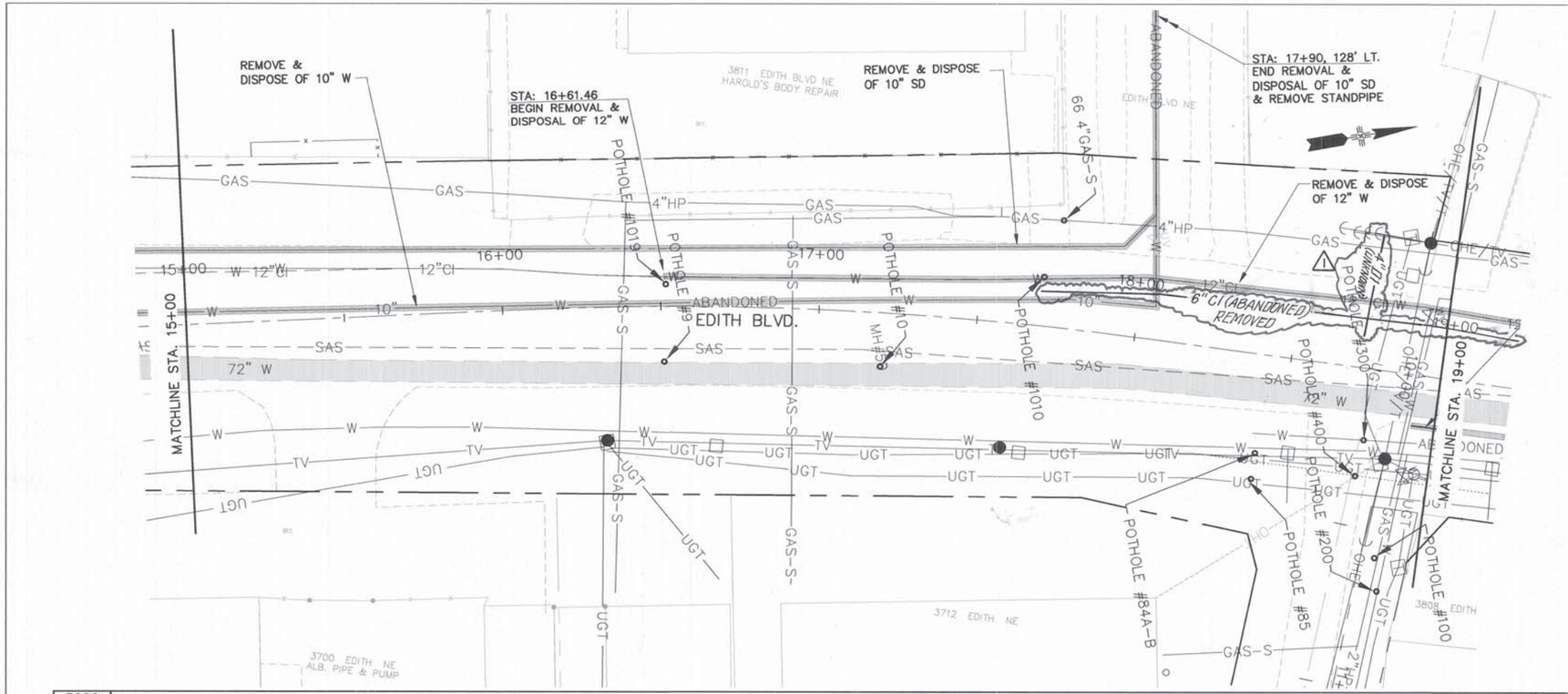
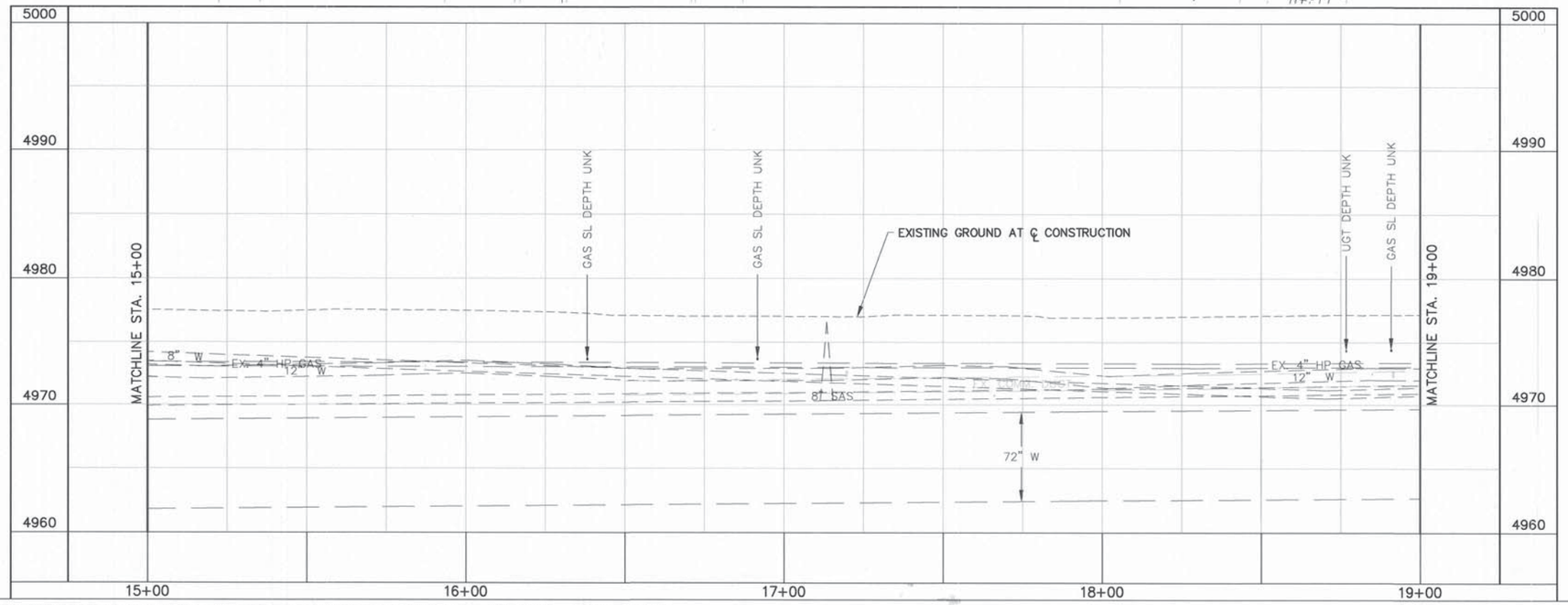




GRAPHIC SCALE

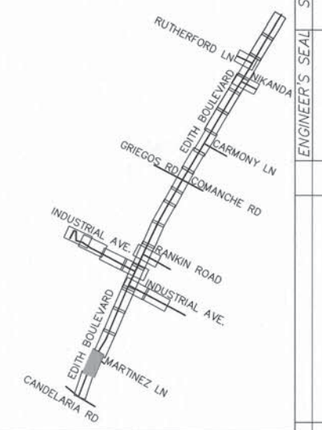
(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

LEGEND:

UTILITY REMOVAL

POTHOLE

RECORD DRAWING



PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SANDER MILLER 7/09 DATE
INSPECTOR'S FIELD CHANGE BY BJPWD 7/09 DATE
FIELD VERIFICATION BY BJPWD 4/09 DATE
AS-BUILTING BY BJPWD 6/09 DATE
CORRECTED BY P.B. 6/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	05/09	REVISED UTILITY SERVICE	VAV

DESIGN
DESIGNED BY TWTK DATE 08/01/07
DRAWN BY TWTK DATE 08/01/07
CHECKED BY DCM DATE 08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD EXISTING UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	13-4

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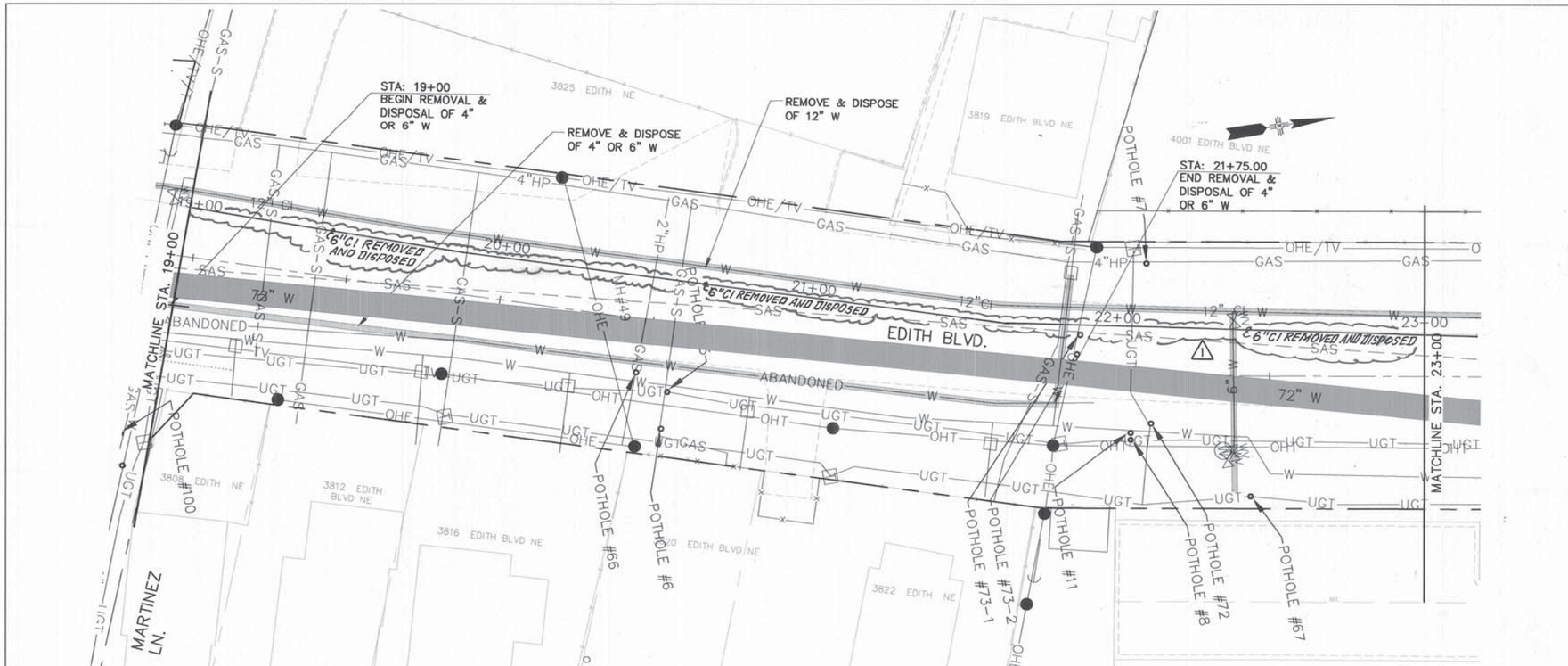


GRAPHIC SCALE

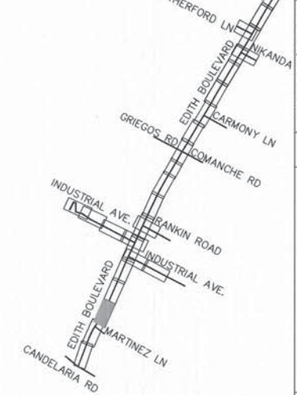
(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

LEGEND:

UTILITY REMOVAL

POTHOLE

RECORD DRAWING



PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNYDER MILLER
INSPECTOR'S ATTENDANCE BY B&PWD
FIELD VERIFICATION BY B&PWD
DRAWINGS CORRECTED BY P.B.
MICRO-FILM INFORMATION
RECORDED BY
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JAMES H. BRACKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	05/09	REVISED UTILITY SERVICES	VRV

DESIGN

DESIGNED BY	TWTK	DATE	08/01/07
DRAWN BY	TWTK	DATE	08/01/07
CHECKED BY	DCM	DATE	08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

EDITH BOULEVARD EXISTING UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	13-5

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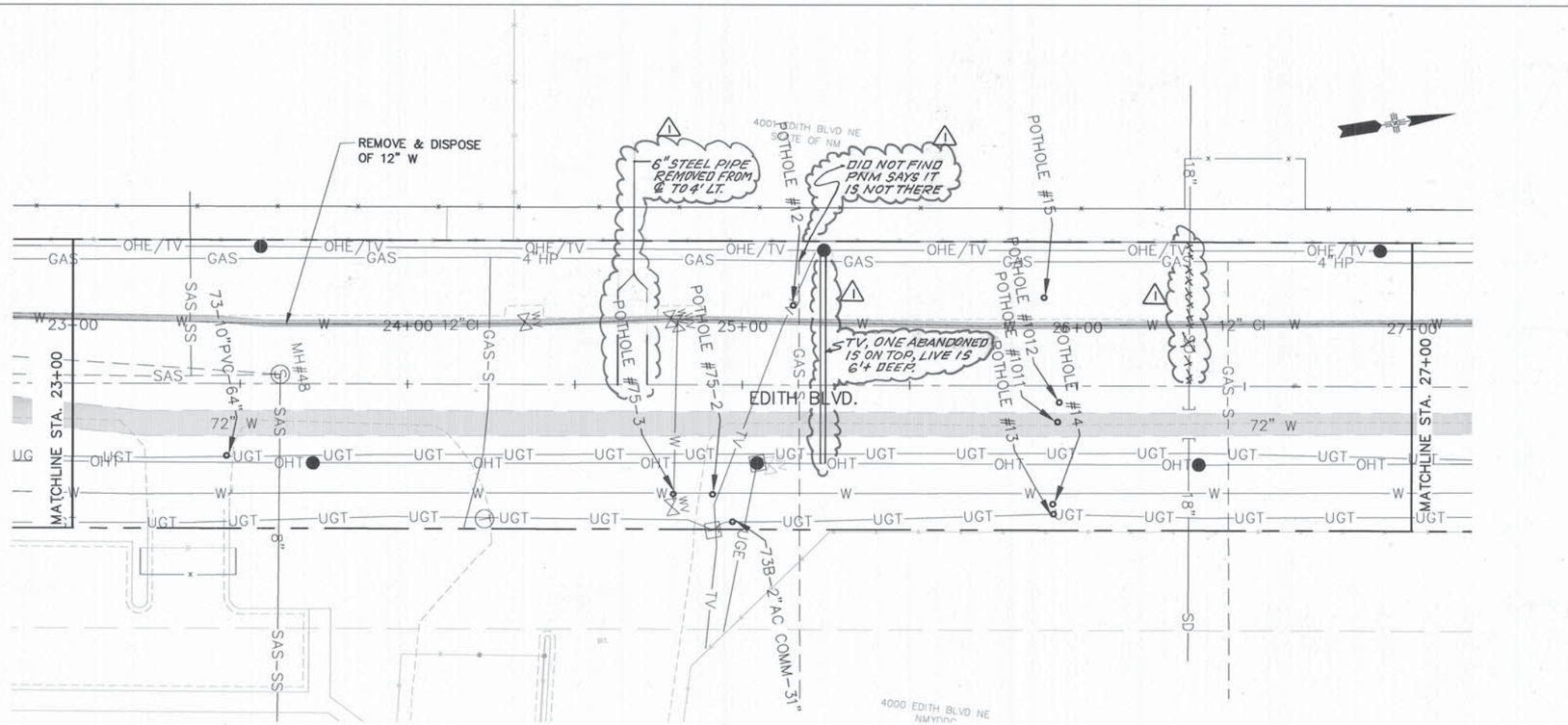

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

LEGEND:

UTILITY REMOVAL

POTHOLE

RECORD DRAWING

PB Parsons Brinckerhoff

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNIDER MILLER DATE
INSPECTORS ACCEPTANCE BY BCPWD DATE
FIELD VERIFICATION BY BCPWD DATE
AS BUILTS CORRECTED BY P.B. DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCHMAN NEW MEXICO 13002 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	05/09	REVISED UTILITY SERVICE	VRV

DESIGN

DESIGNED BY	TWTK	DATE	08/01/07
DRAWN BY	TWTK	DATE	08/01/07
CHECKED BY	DCM	DATE	08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD EXISTING UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F–15, G–15	13–6

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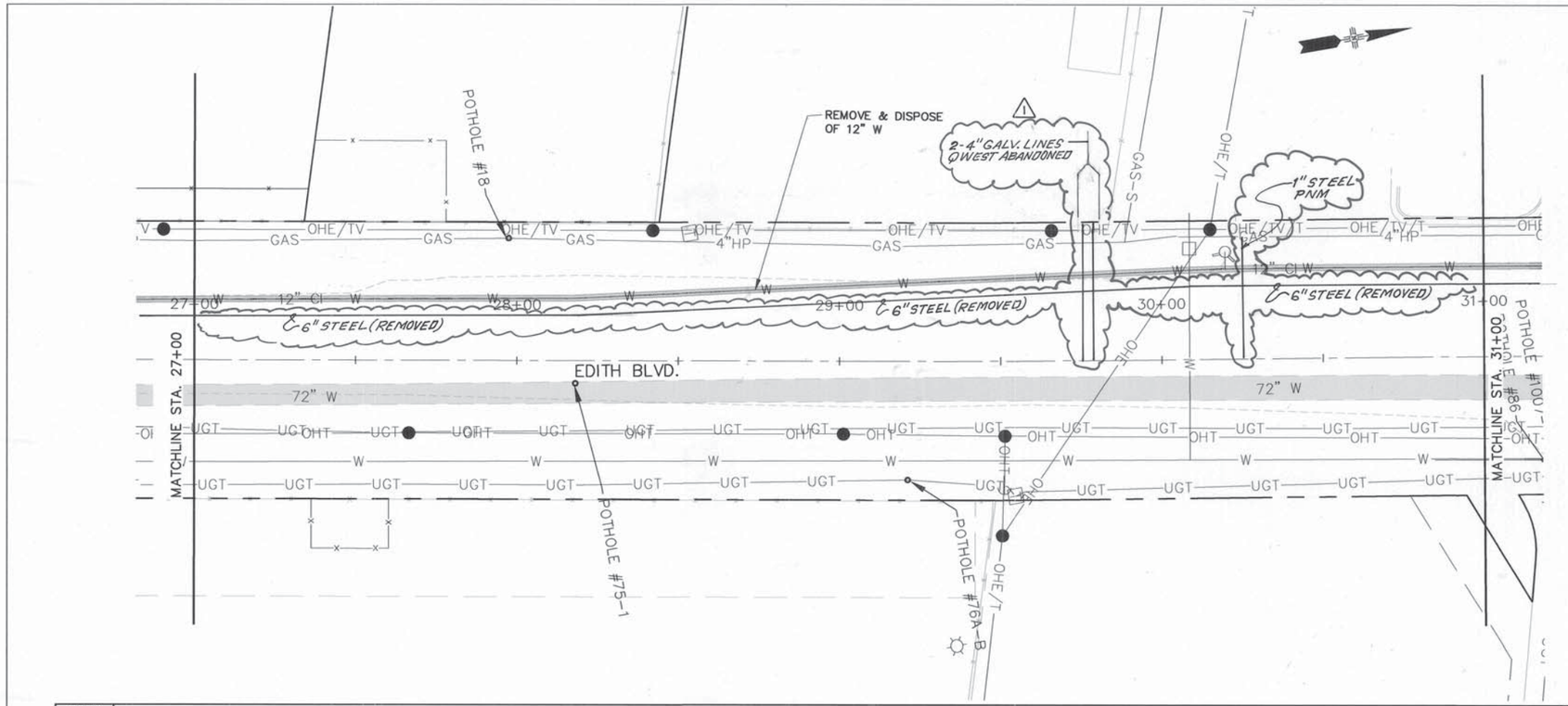

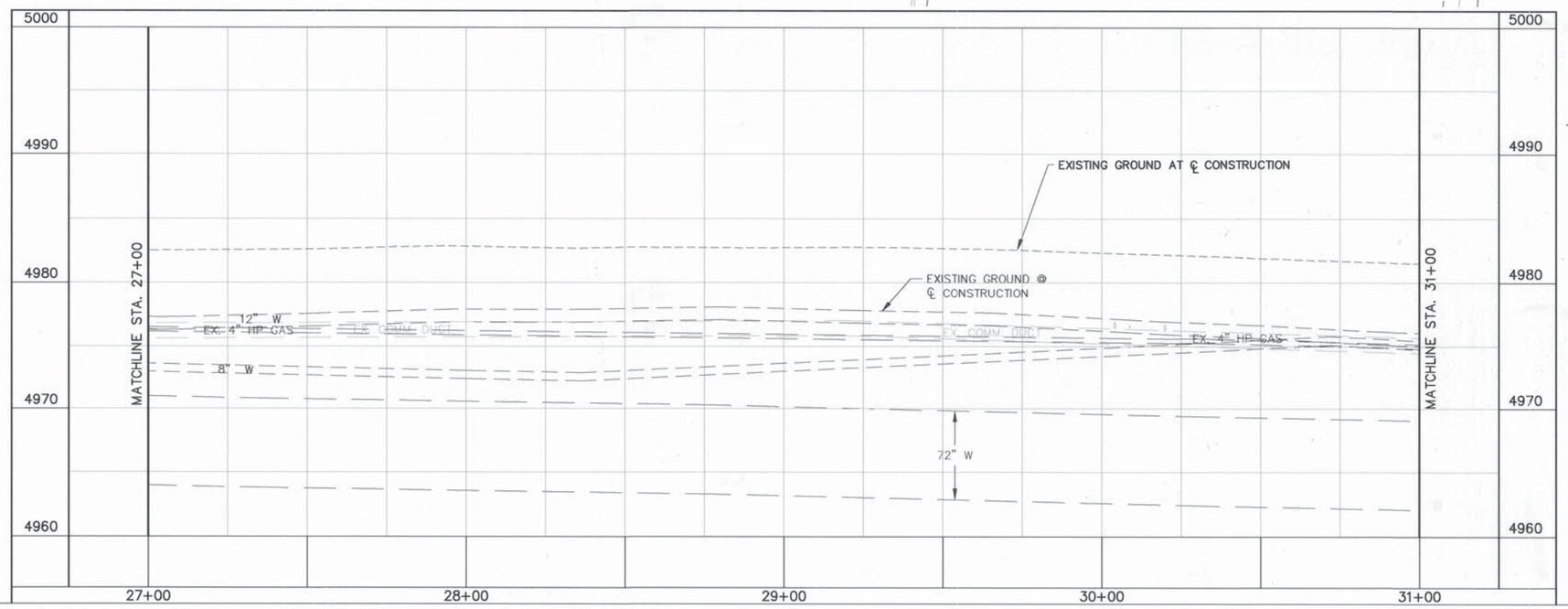

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

LEGEND:

UTILITY REMOVAL

POTHOLE

RECORD DRAWING

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SINGER MILLER 3/09 DATE
INSPECTOR'S FIELD ALTERATIONS BY BCPWD 3/09 DATE
VERIFICATION OF ALIGNMENT BY BCPWD 3/09 DATE
CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 5/11/07

NO.	DATE	BY
1	05/09	VRV

REVISED UTILITY SERVICE

DESIGN	DATE
DESIGNED BY TWTK	08/01/07
DRAWN BY TWTK	08/01/07
CHECKED BY DCM	08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD EXISTING UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	13-7

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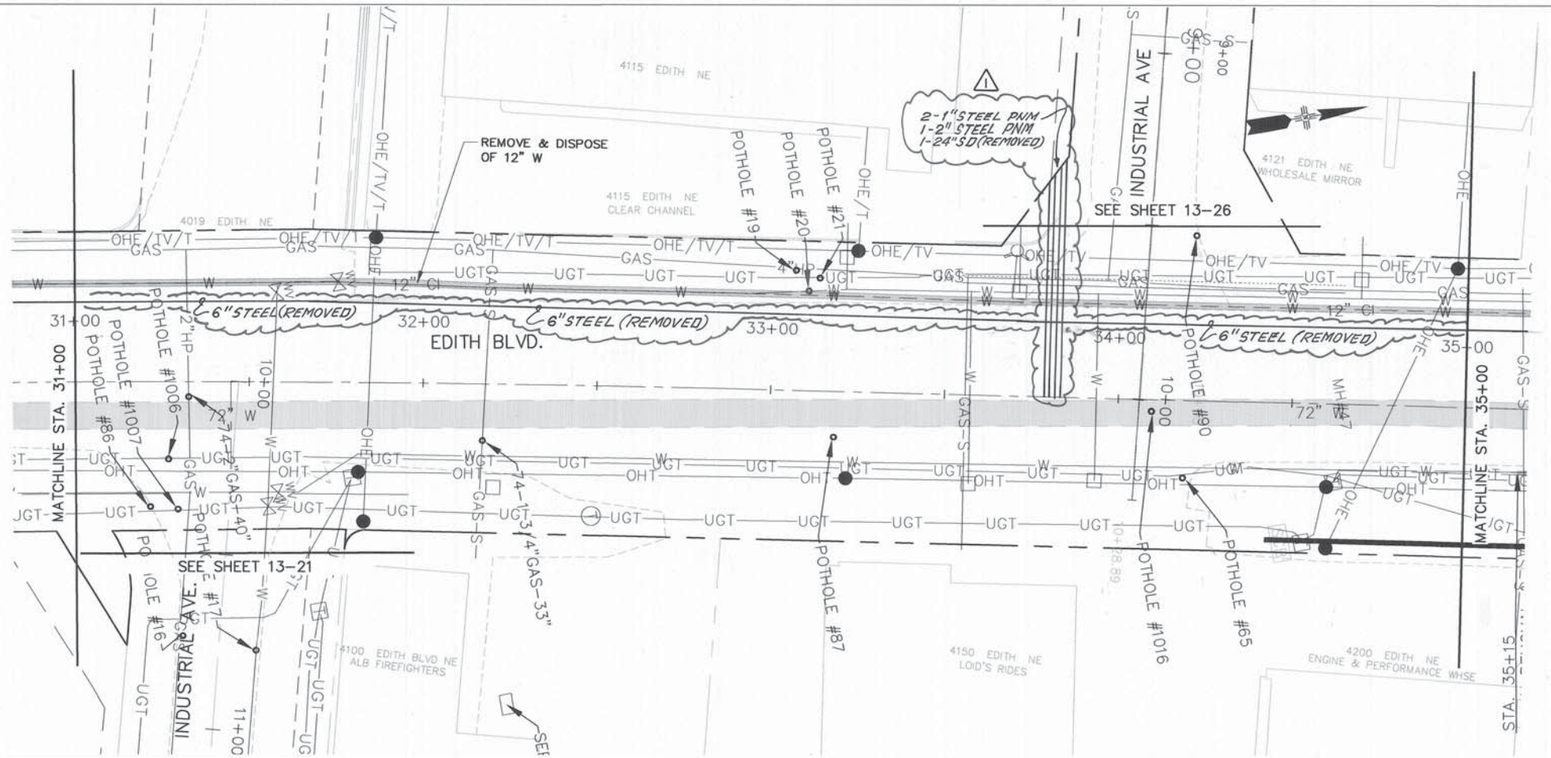

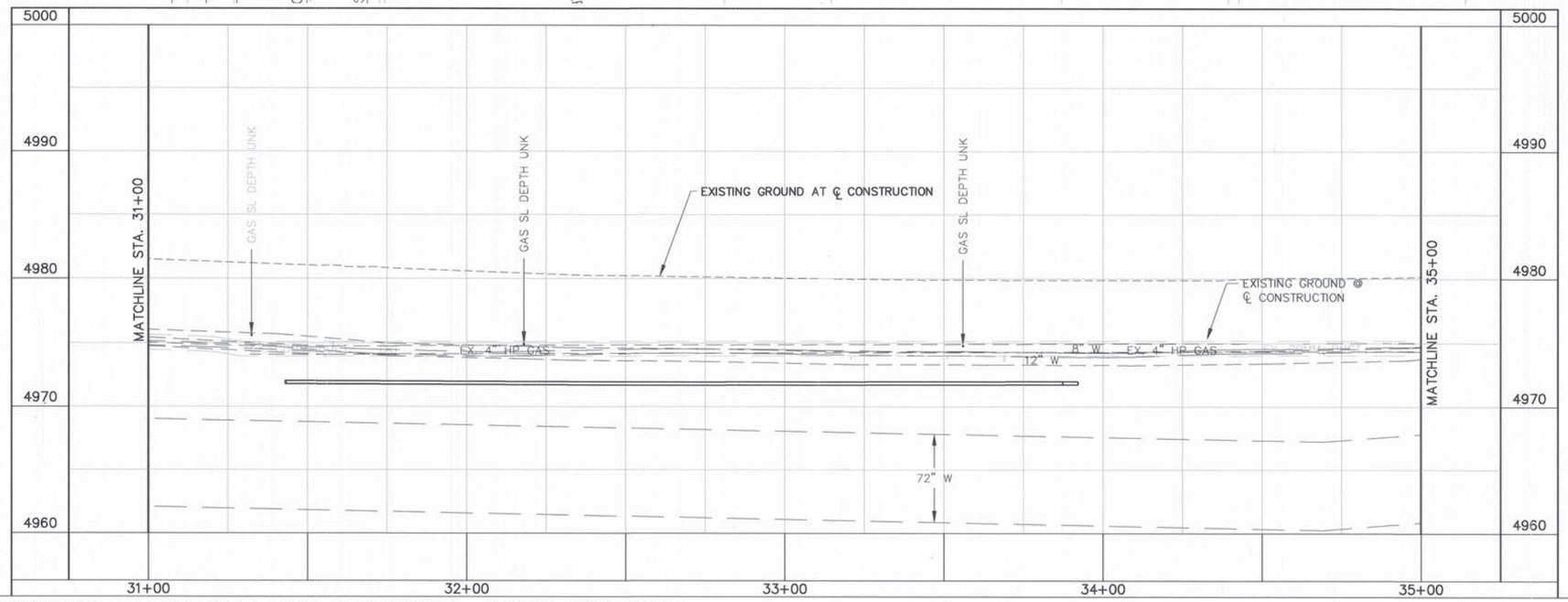

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

LEGEND:

UTILITY REMOVAL

POTHOLE

RECORD DRAWING

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNYDER MILLER DATE
INSPECTOR'S FIELD ANNOTATIONS BY BCPWD 3/09 DATE
FIELD VERIFICATION BY BCPWD 3/09 DATE
DRAWINGS CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	05/09	REVISED UTILITY SERVICE	VRV

DESIGN
DESIGNED BY TWTK DATE 08/01/07
DRAWN BY TWTK DATE 08/01/07
CHECKED BY DCM DATE 08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD EXISTING UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	13-8

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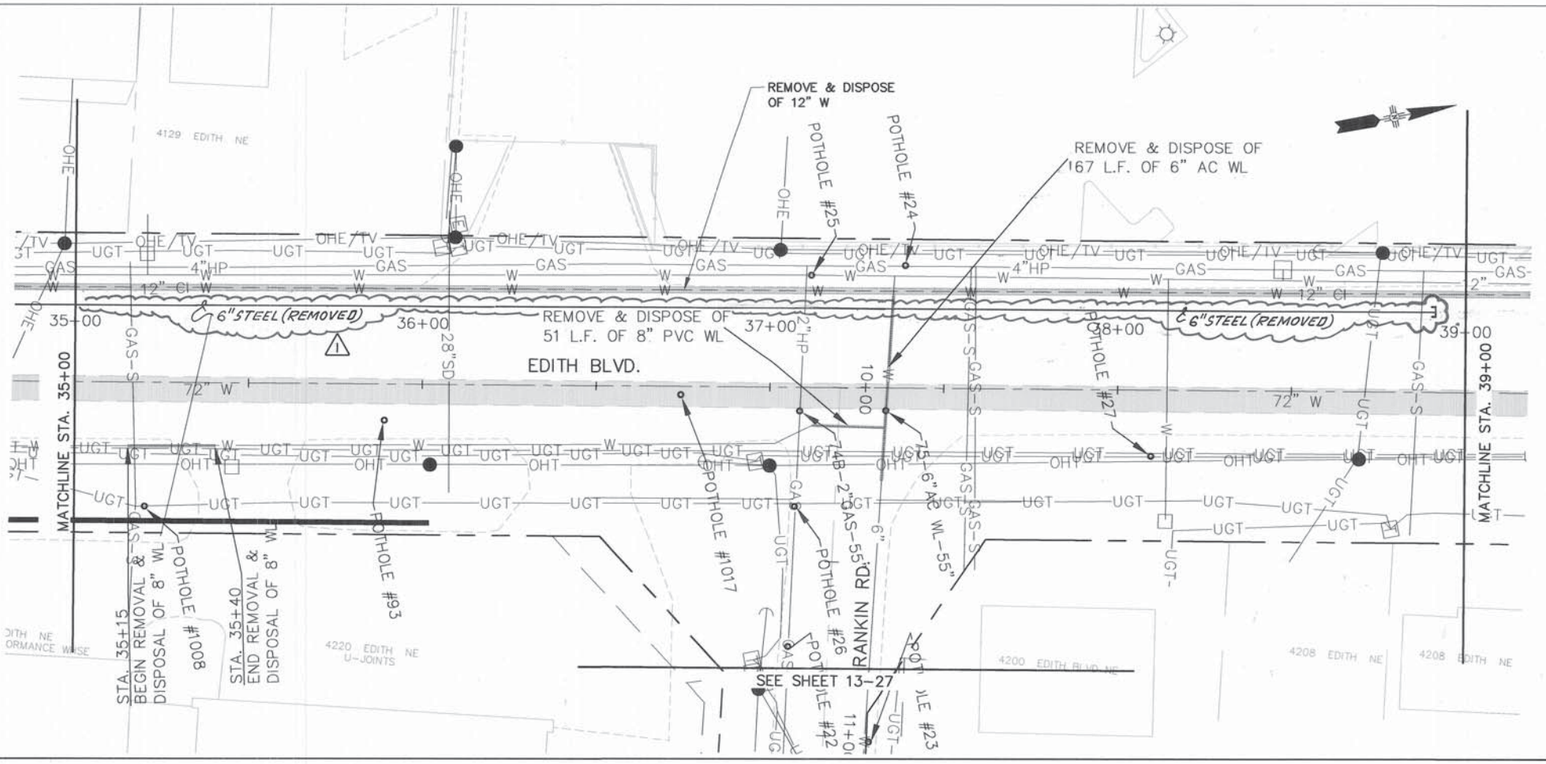

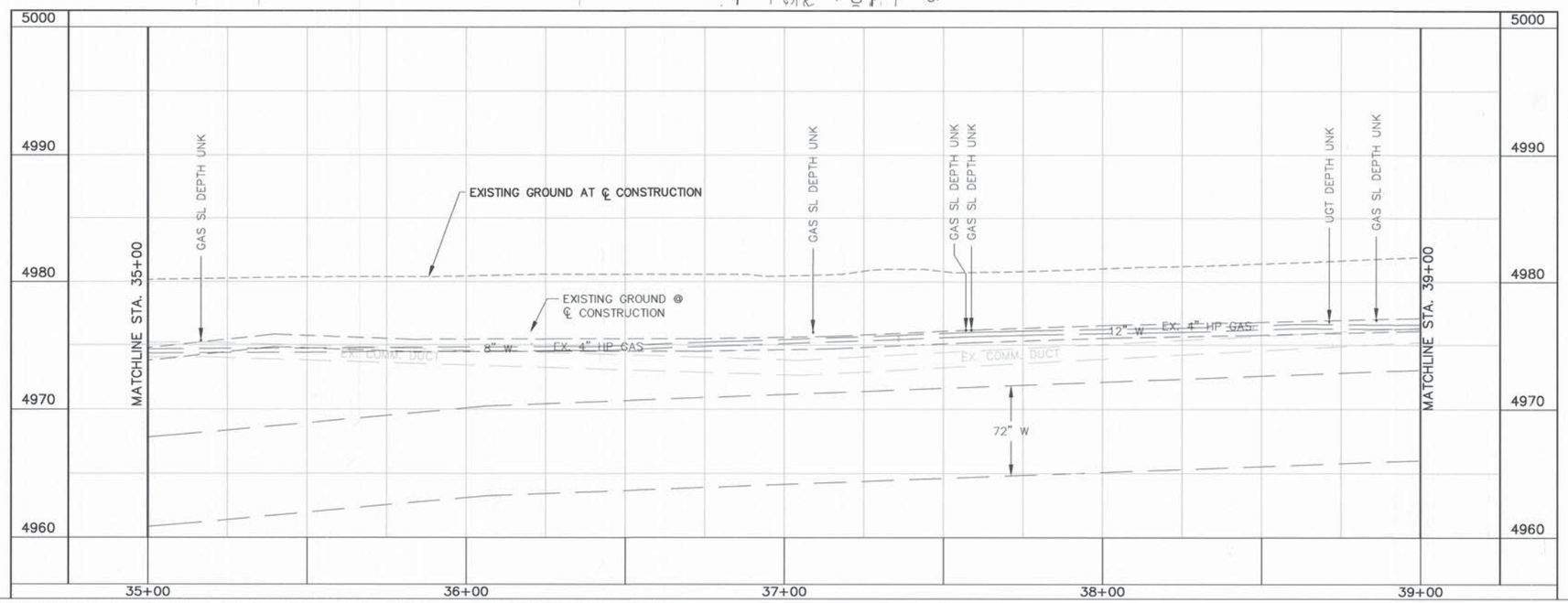

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

LEGEND:

UTILITY REMOVAL

POTHOLE

RECORD DRAWING

PB Parsons Brinckerhoff

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER
WORK STAKED BY SOMPER MILLER 7/06 DATE
INSPECTORS FIELD CHANGES BY BCPWD 3/09 DATE
VERIFICATION BY BCPWD 3/09 DATE
AS-BUILTS CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
JESS H. BUCHANAN
NEW MEXICO
13082
8/17/07
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	05/09	REVISED UTILITY SERVICE	VRV

DESIGN

DESIGNED BY	TWTK	DATE 08/01/07
DRAWN BY	TWTK	DATE 08/01/07
CHECKED BY	DCM	DATE 08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD EXISTING UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	13-9

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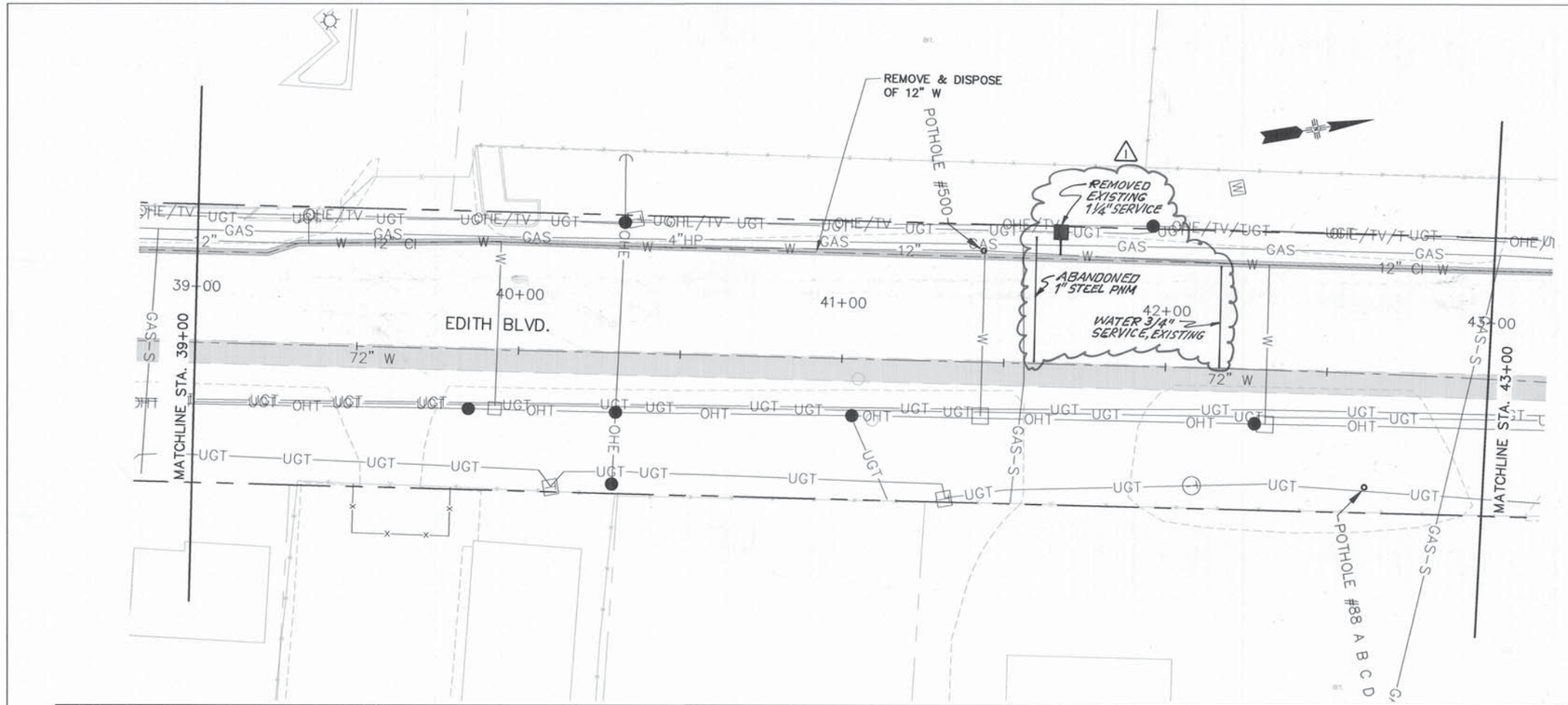

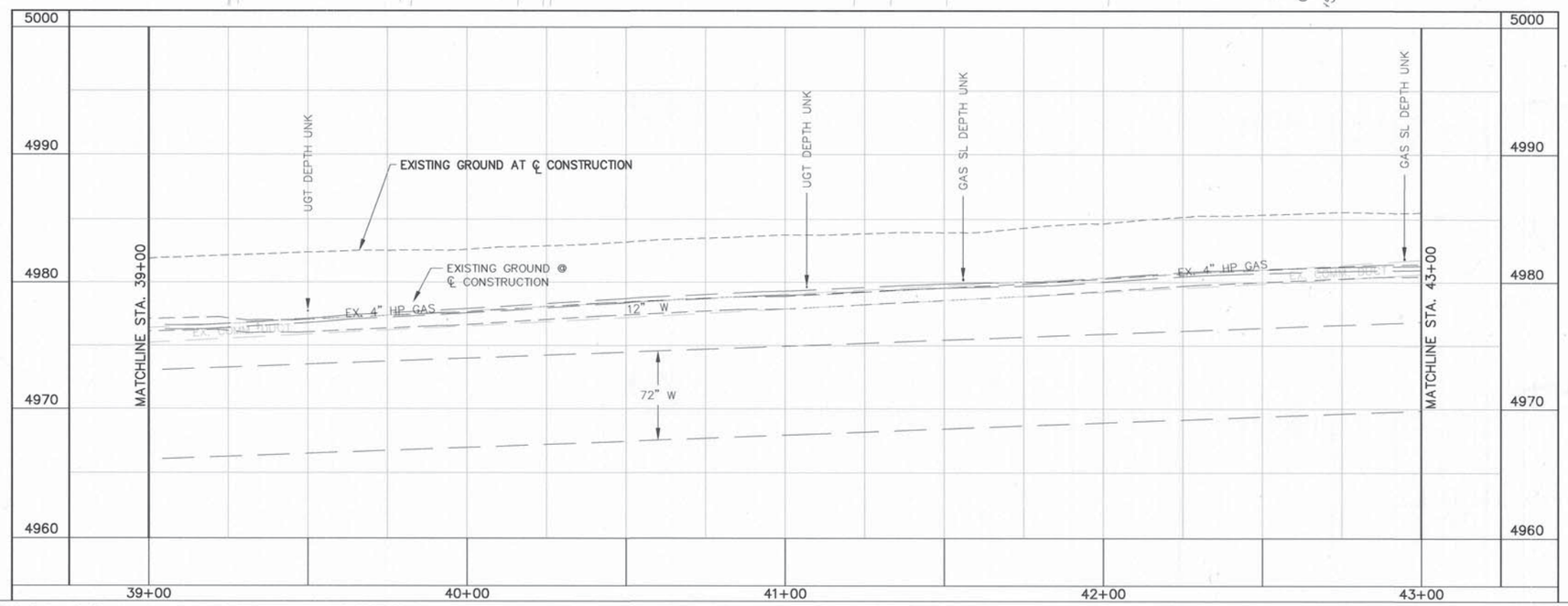

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

LEGEND:

UTILITY REMOVAL

POTHOLE

RECORD DRAWING

PB Parsons Brinckerhoff

AS BUILT INFORMATION

CONTRACTOR A.S. HONNER

WORK STAKED BY SNYDER MILLER 3/09 DATE

INSPECTOR'S FIELD CHANGES BY BCPWD 3/09 DATE

VERIFICATION BY BCPWD 3/09 DATE

CORRECTED BY P.B. 5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.

NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCKINGHAM NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 4/11/07

NO.	DATE	REMARKS	DESIGN			BY
1	05/09	REVISE UTILITY SERVICE	DESIGNED BY	TWTK	DATE 08/01/07	VRV
			DRAWN BY	TWTK	DATE 08/01/07	
			CHECKED BY	DCM	DATE 08/01/07	

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

EDITH BOULEVARD EXISTING UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	13-10

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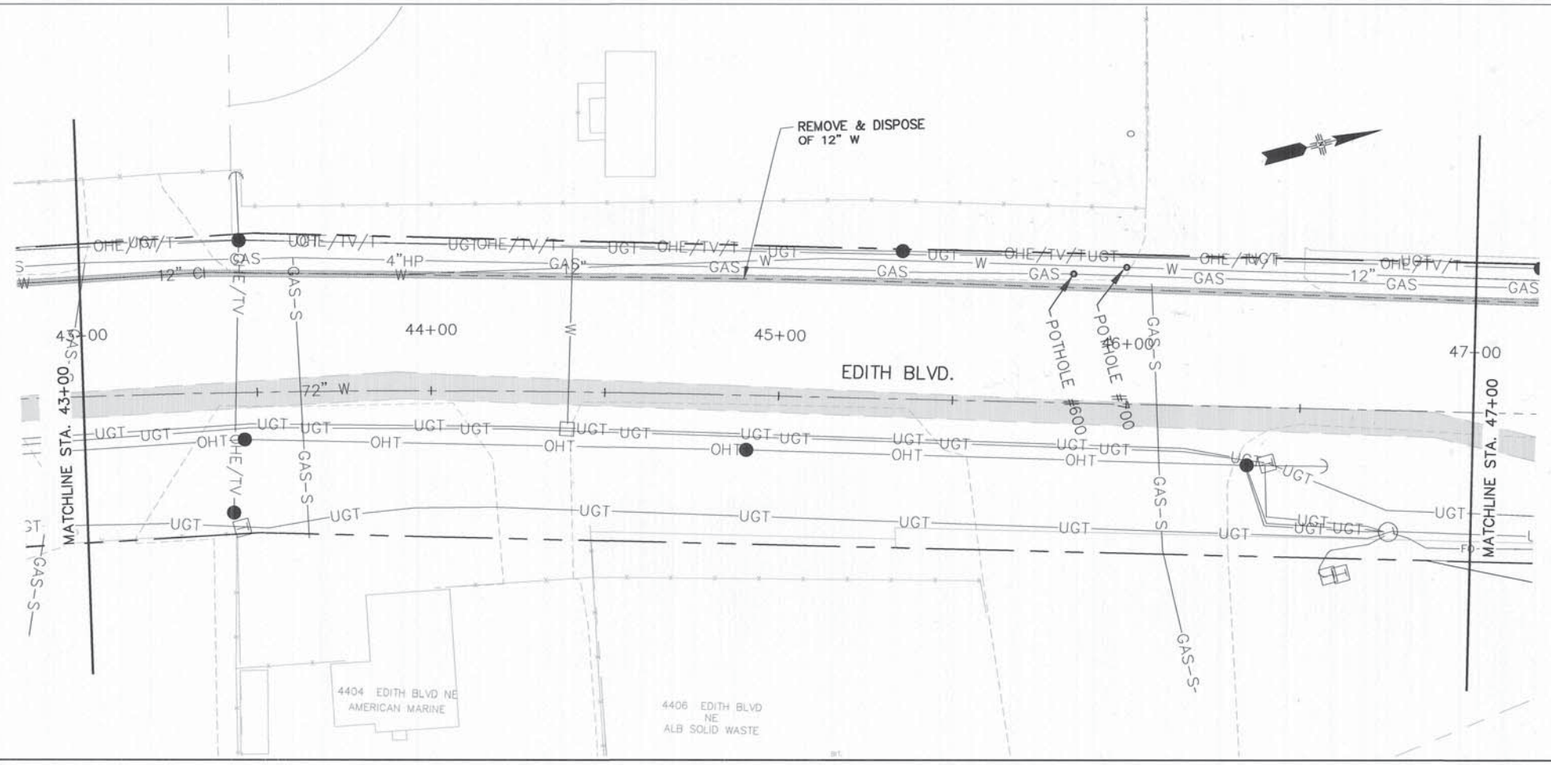
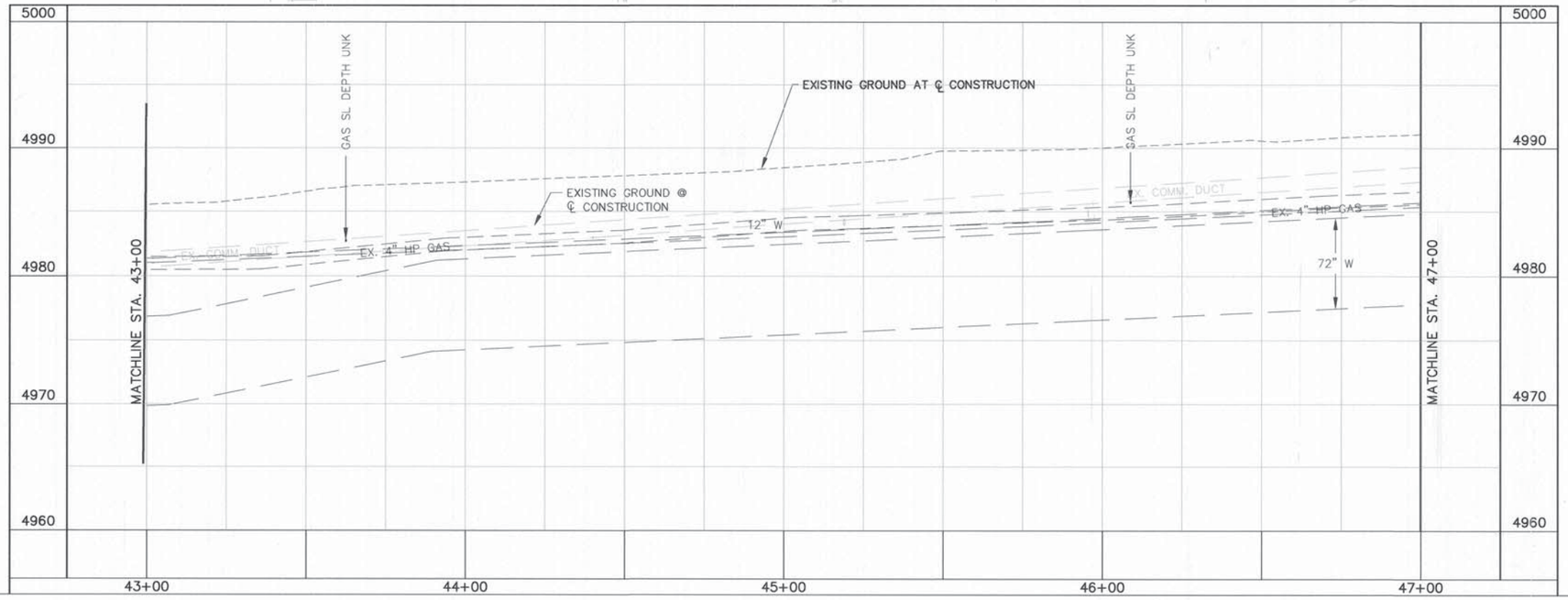




GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

LEGEND:

UTILITY REMOVAL

POTHOLE

RECORD DRAWING

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNIDER MILLER 3/08 DATE
INSPECTORS FIELD CHANGE BY BCPND 3/09 DATE
FIELD VERIFICATION BY BCPND 4/09 DATE
AS-BUILTS CORRECTED BY P.B. 4/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

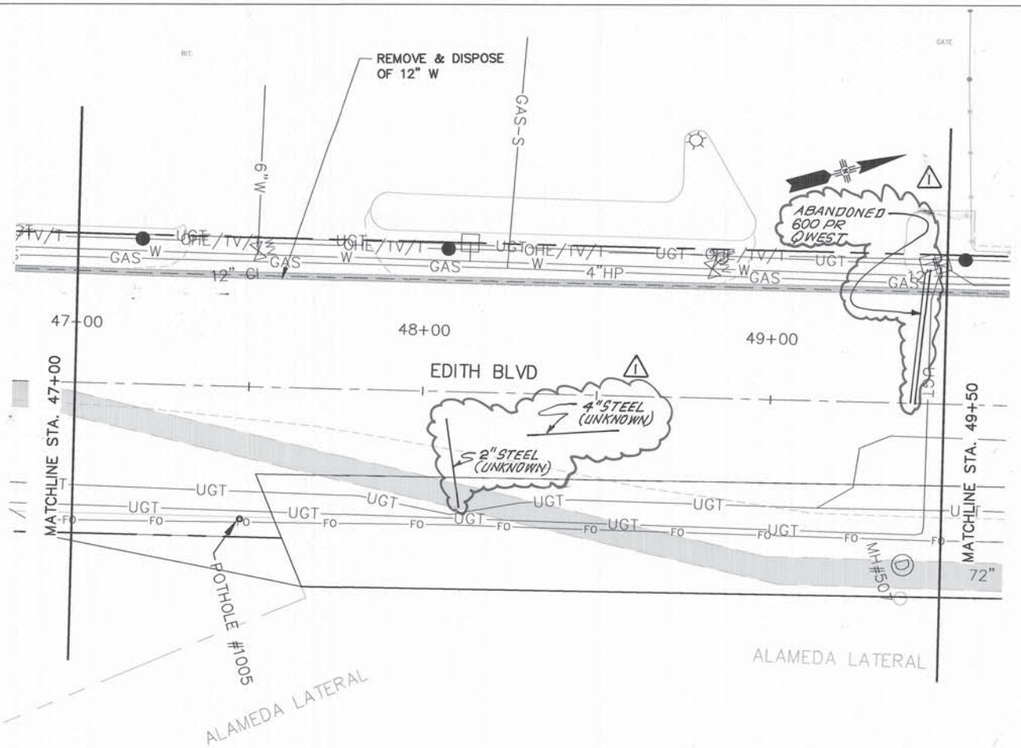
NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY TWTK	DATE 08/01/07
		DRAWN BY TWTK	DATE 08/01/07
		CHECKED BY DCM	DATE 08/01/07

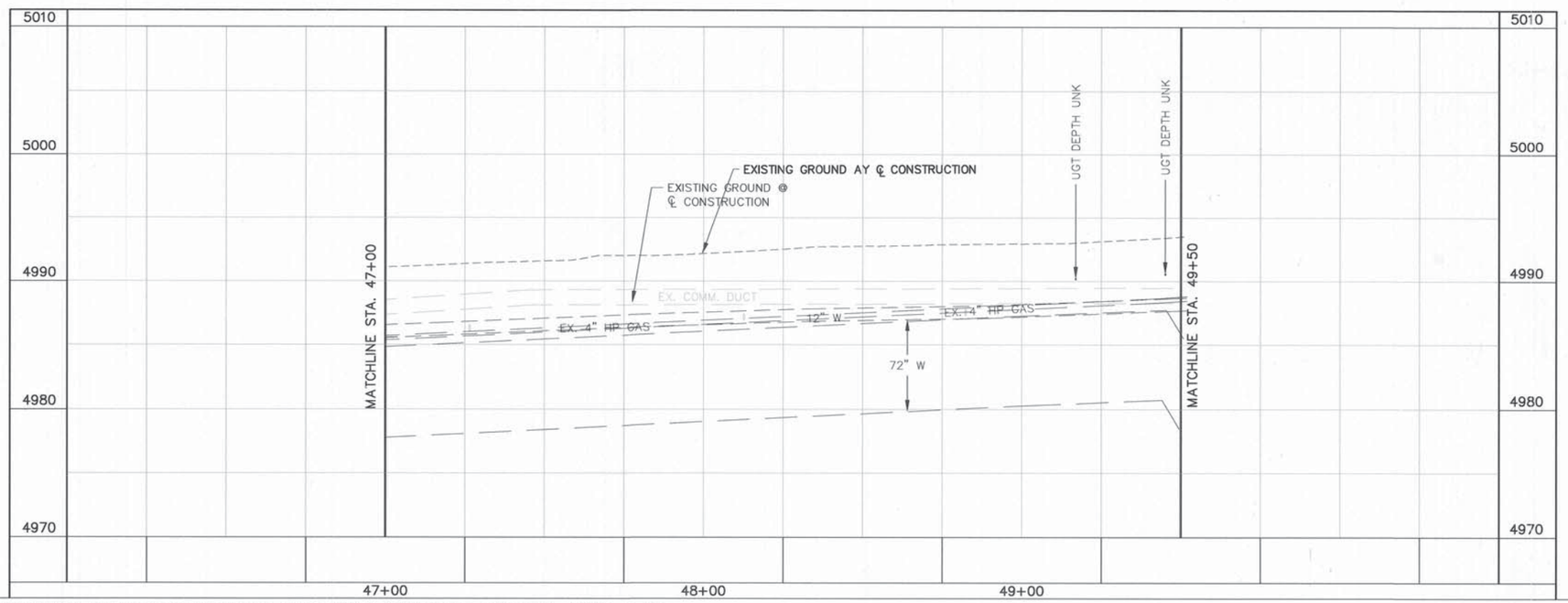
COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD EXISTING UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 16 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	13-11





GRAPHIC SCALE

(IN FEET)
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HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

LEGEND:

UTILITY REMOVAL

POTHOLE

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

EDITH BOULEVARD EXISTING UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	13-12

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER
WORK STAKED BY SNIDER MILLER 3/09 DATE
INSPECTOR'S FIELD FINDINGS BY BCPWD 3/09 DATE
VERIFICATION BY BCPWD 3/09 DATE
DRAWING CORRECTED BY P.B. 4/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JAMES H. BUCKNER NEW MEXICO 13062 8/17/07 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	05/09	REVISED UTILITIES SERVICE	VAV

DESIGN

		DATE
DESIGNED BY	TWTK	08/01/07
DRAWN BY	TWTK	08/01/07
CHECKED BY	DCM	08/01/07

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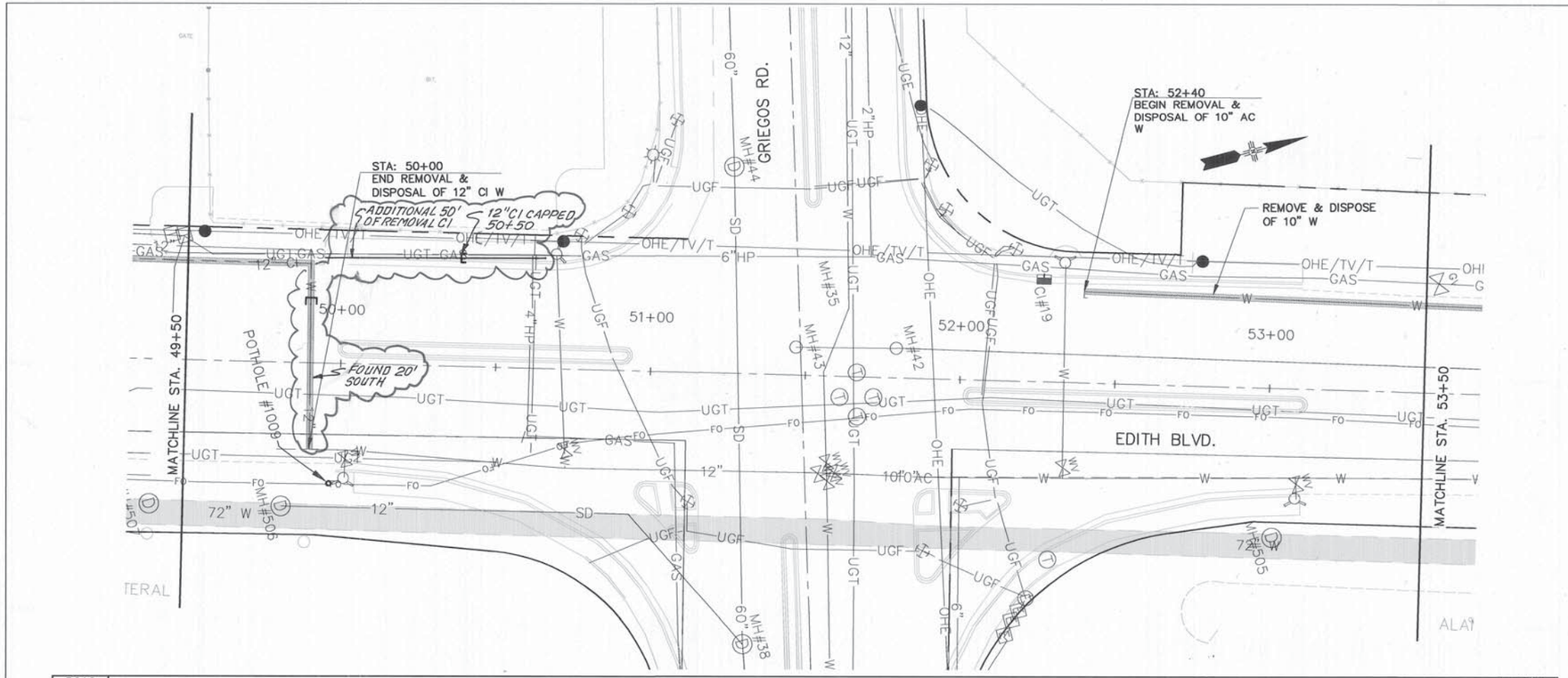

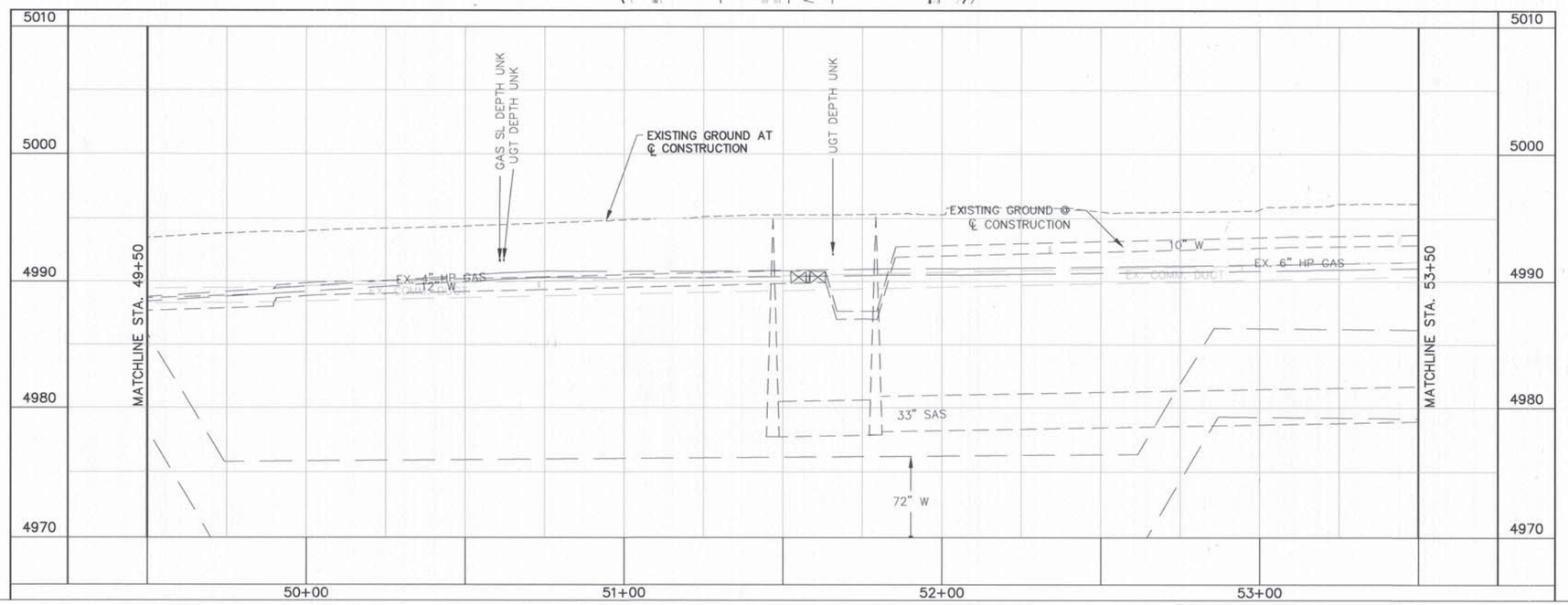

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

LEGEND:

UTILITY REMOVAL

POTHOLE

RECORD DRAWING

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNIDER MILLER 7/08 DATE
INSPECTIONS PERFORMED BY BLPWD 7/09 DATE
FIELD CHANGES BY BLPWD 7/09 DATE
VERTICAL CONTROL ESTABLISHED BY P.B. 5/09 DATE
CORRECTED BY MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	05/09	REVISED UTILITY SERVICES	VRV

DESIGN
DESIGNED BY TWTK DATE 08/01/07
DRAWN BY TWTK DATE 08/01/07
CHECKED BY DCM DATE 08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
EDITH BOULEVARD EXISTING UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 13-13

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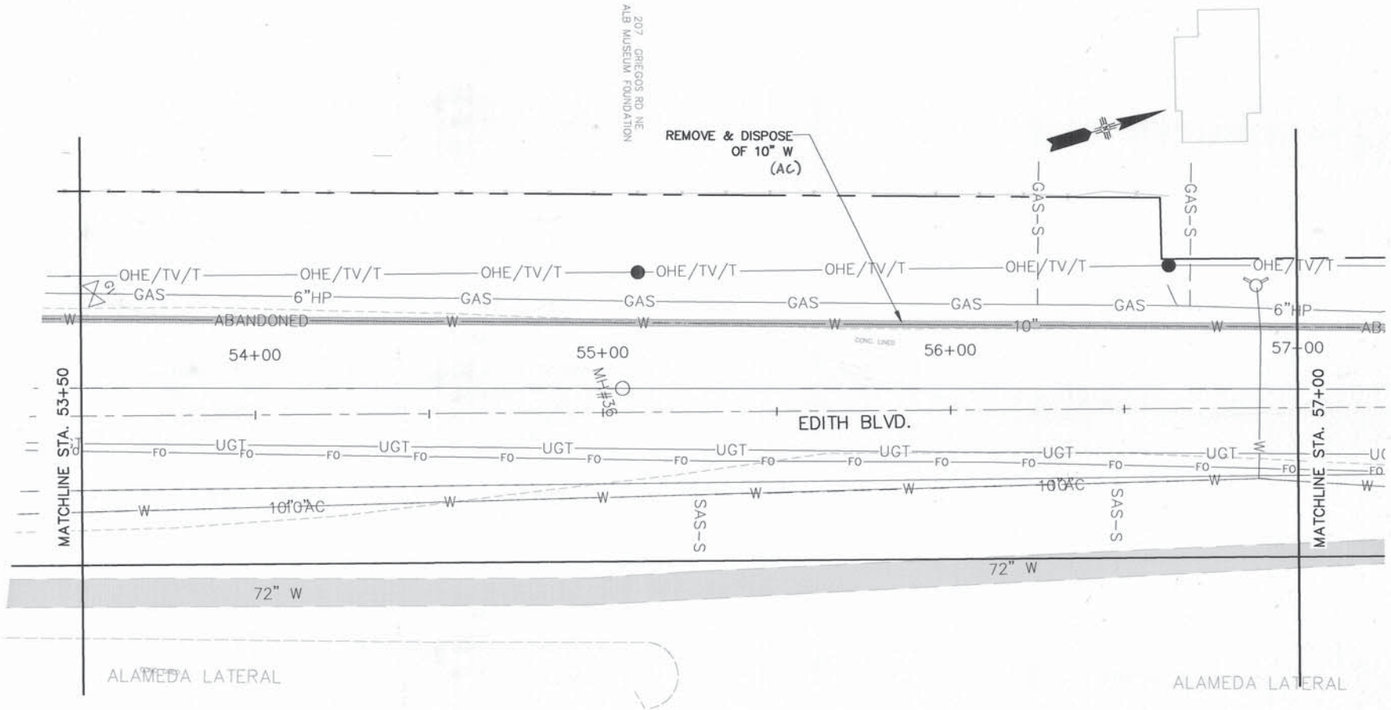

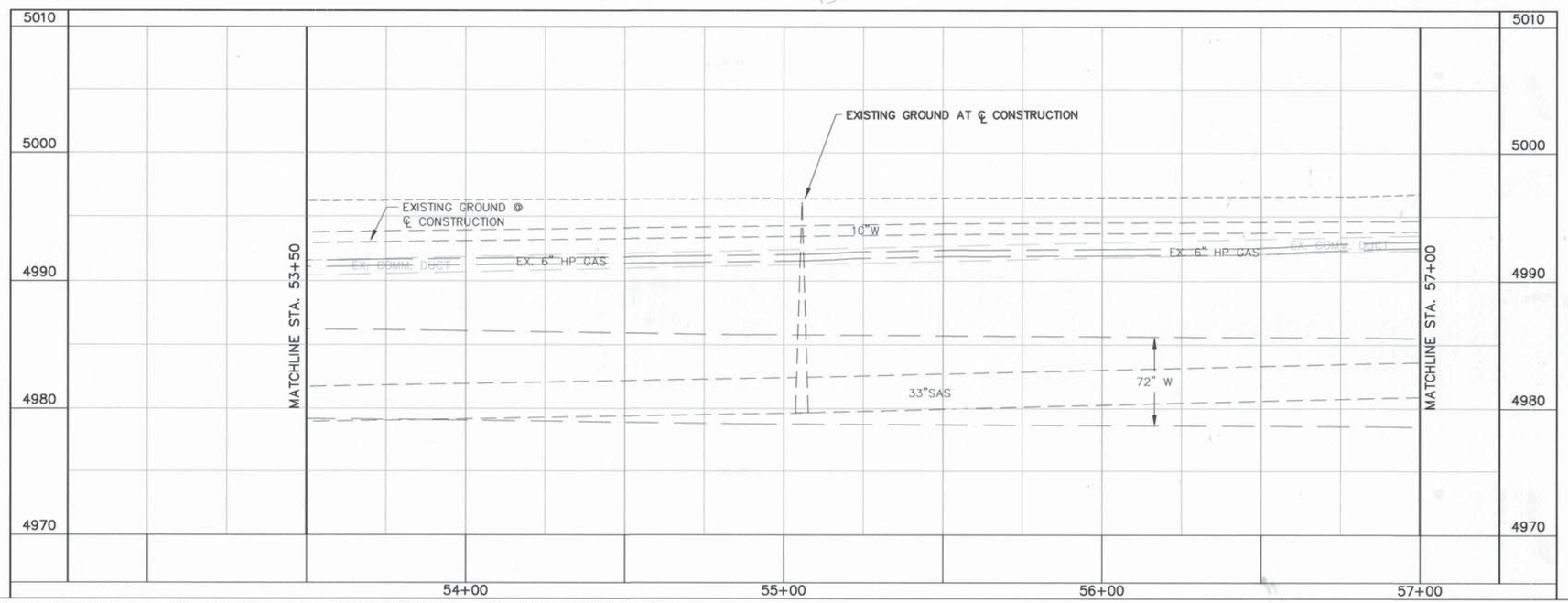

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

LEGEND:

- UTILITY REMOVAL
- POTHOLE

RECORD DRAWING

PB Parsons Brinckerhoff

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER

WORK STAKED BY SNYDER MILLER 7/06 DATE

INSPECTOR'S ATTENDANCE BY BAPWD 7/06 DATE

FIELD VERIFICATION BY BAPWD 7/06 DATE

AS BUILT DRAWINGS CORRECTED BY P.B. 8/07 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.

NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JESS H. SUCHMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
8/14/07

NO.	DATE	REMARKS	DESIGN	BY	DATE
			DESIGNED BY	TWTK	08/01/07
			DRAWN BY	TWTK	08/01/07
			CHECKED BY	DCM	08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

EDITH BOULEVARD EXISTING UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	13-14

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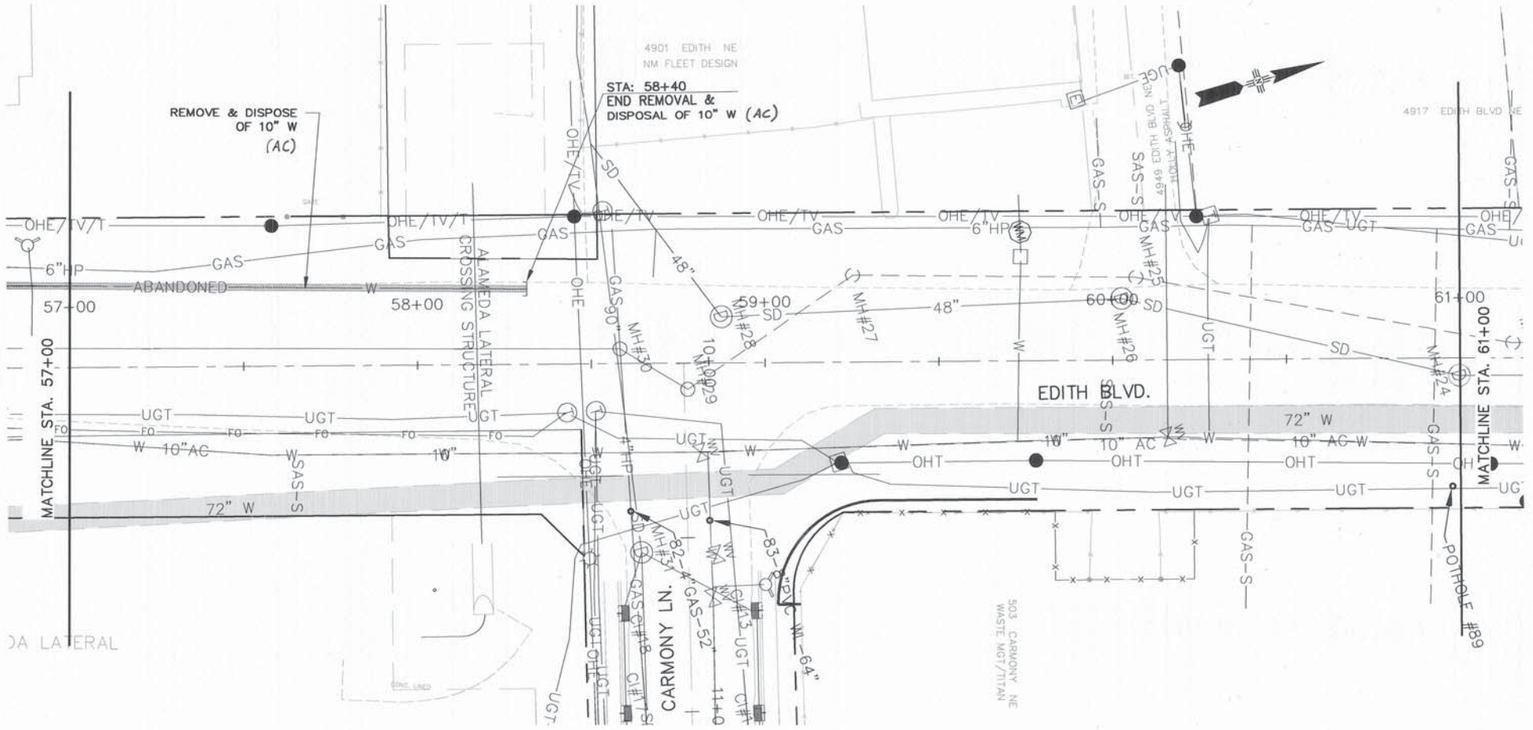
REMOVE & DISPOSE OF 10" W (AC)
STA: 58+40
END REMOVAL & DISPOSAL OF 10" W (AC)
4901 EDITH NE
NM FLEET DESIGN
4917 EDITH BLVD NE
EDITH BLVD.
MATCHLINE STA. 57+00
MATCHLINE STA. 61+00
ALAMEDA LATERAL CROSSING STRUCTURE
CARMONY LN.
503 CARMONY NE
WASTE MGT/TITAN
POTHOLE #89
57+00
58+00
59+00
60+00
61+00
OHE/TV/T
OHE/TV
GAS
6"HP
ABANDONED
UGT
SAS-S
GAS-S
72" W
10" AC
48"
MH#25
MH#26
MH#27
MH#28
MH#29
MH#30
MH#24
MH#31
MH#32
MH#33
MH#34
MH#35
MH#36
MH#37
MH#38
MH#39
MH#40
MH#41
MH#42
MH#43
MH#44
MH#45
MH#46
MH#47
MH#48
MH#49
MH#50
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MH#52
MH#53
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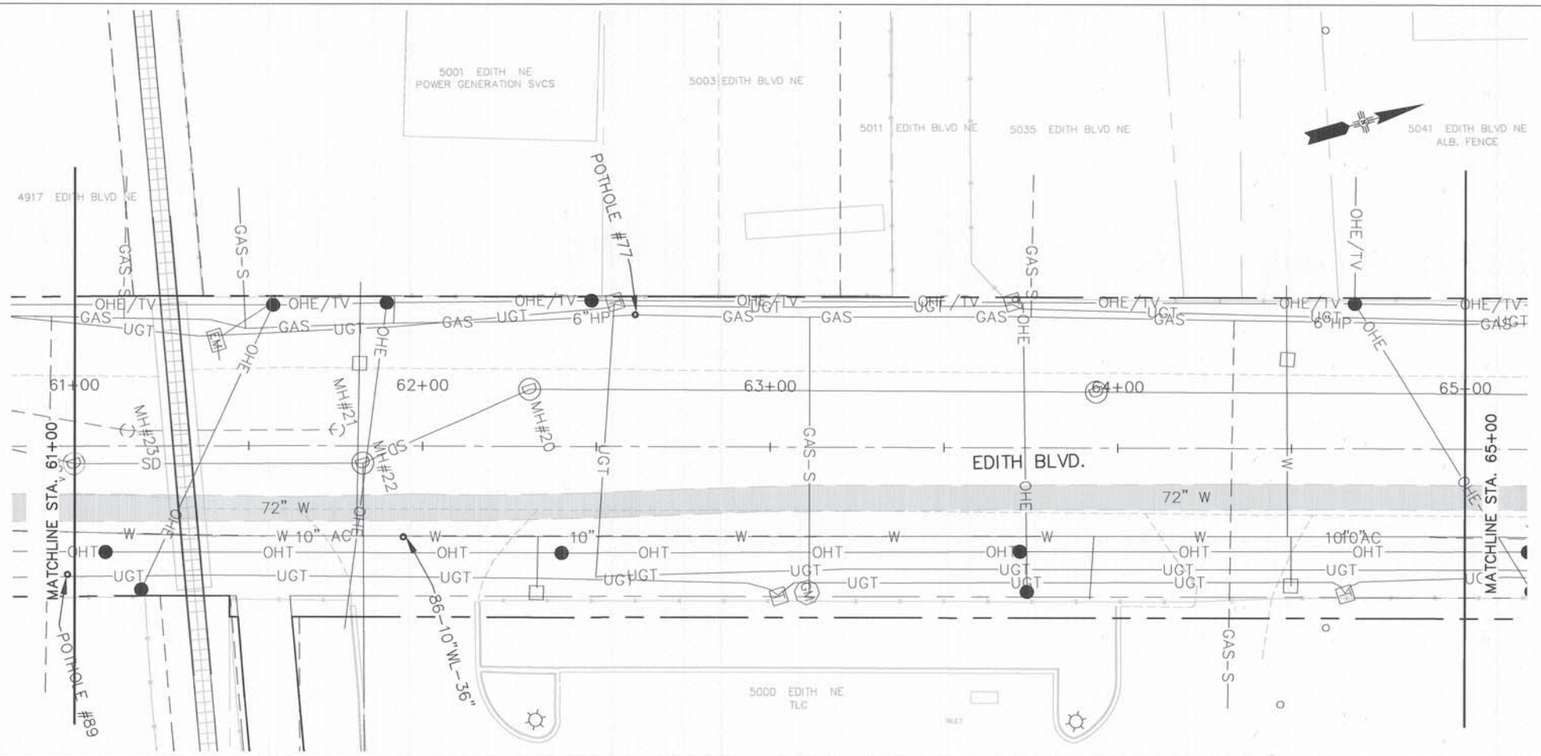
MH#69
MH#70



GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

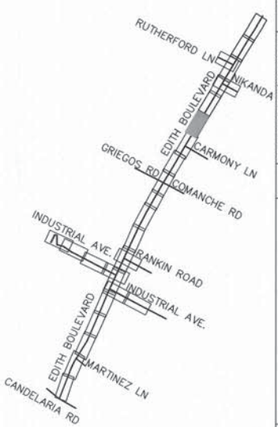
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

LEGEND:

UTILITY REMOVAL

POTHOLE

RECORD DRAWING



PB Parsons Brinckerhoff

SURVEY INFORMATION			BENCH MARKS	AS BUILT INFORMATION	
FIELD NOTES			ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet. ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'	CONTRACTOR A.S. HORNER	
NO.	BY	DATE		WORK STAKED BY SNYDER MILLER 3/06 DATE	
				INSPECTORS FIELD CHANGES BY B.PeVD 3/09 DATE	
				VERIFICATION BY B.PeVD 3/09 DATE	
				CORRECTED BY P.B. 3/09 DATE	
				MICRO-FILM INFORMATION	
				RECORDED BY	DATE
				NO.	

ENGINEER'S SEAL

JAMES H. SUGGETT
NEW MEXICO
13062
PROFESSIONAL ENGINEER
8/17/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY TWTK	DATE 08/01/07
		DRAWN BY TWTK	DATE 08/01/07
		CHECKED BY DCM	DATE 08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

EDITH BOULEVARD EXISTING UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	13-16

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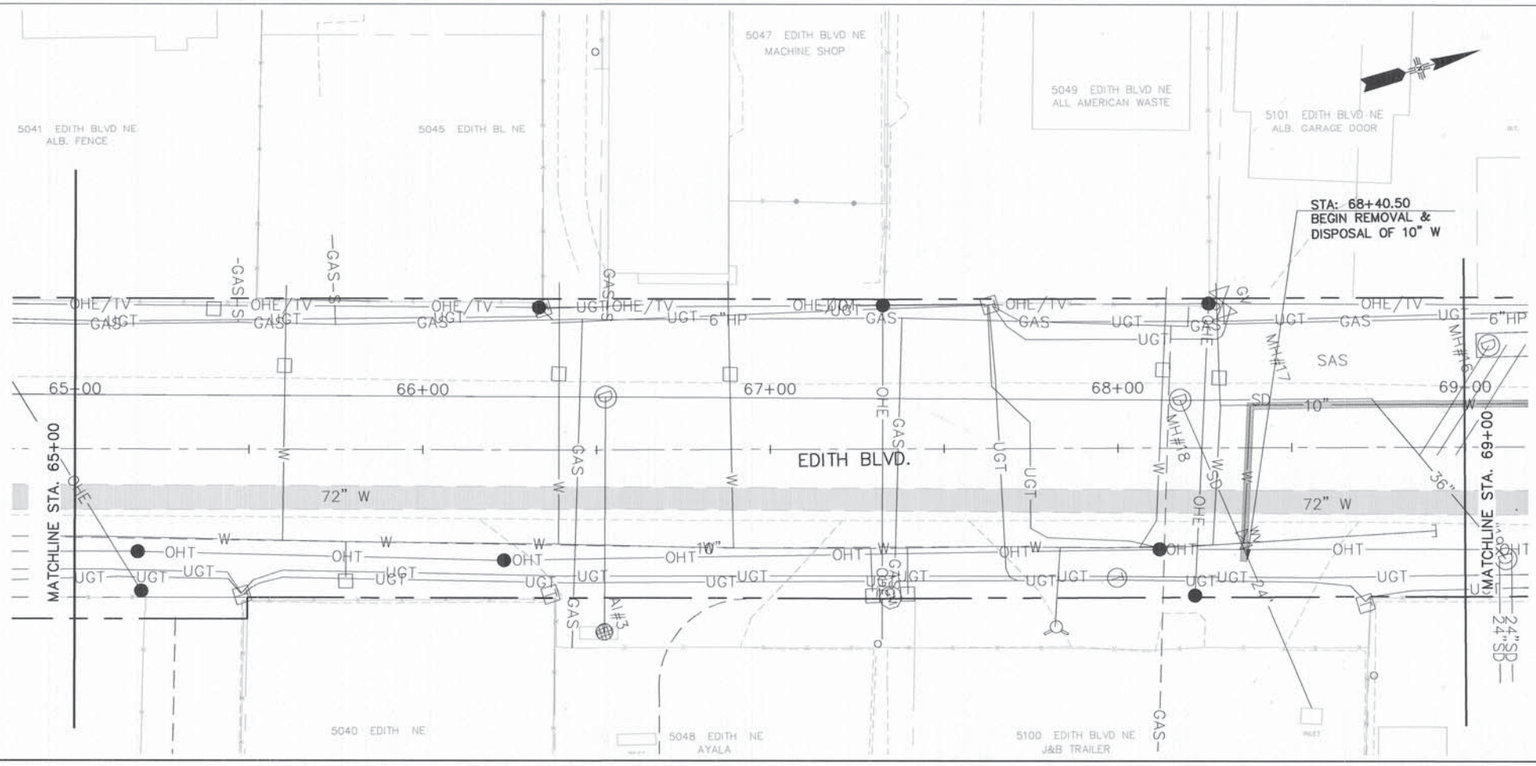

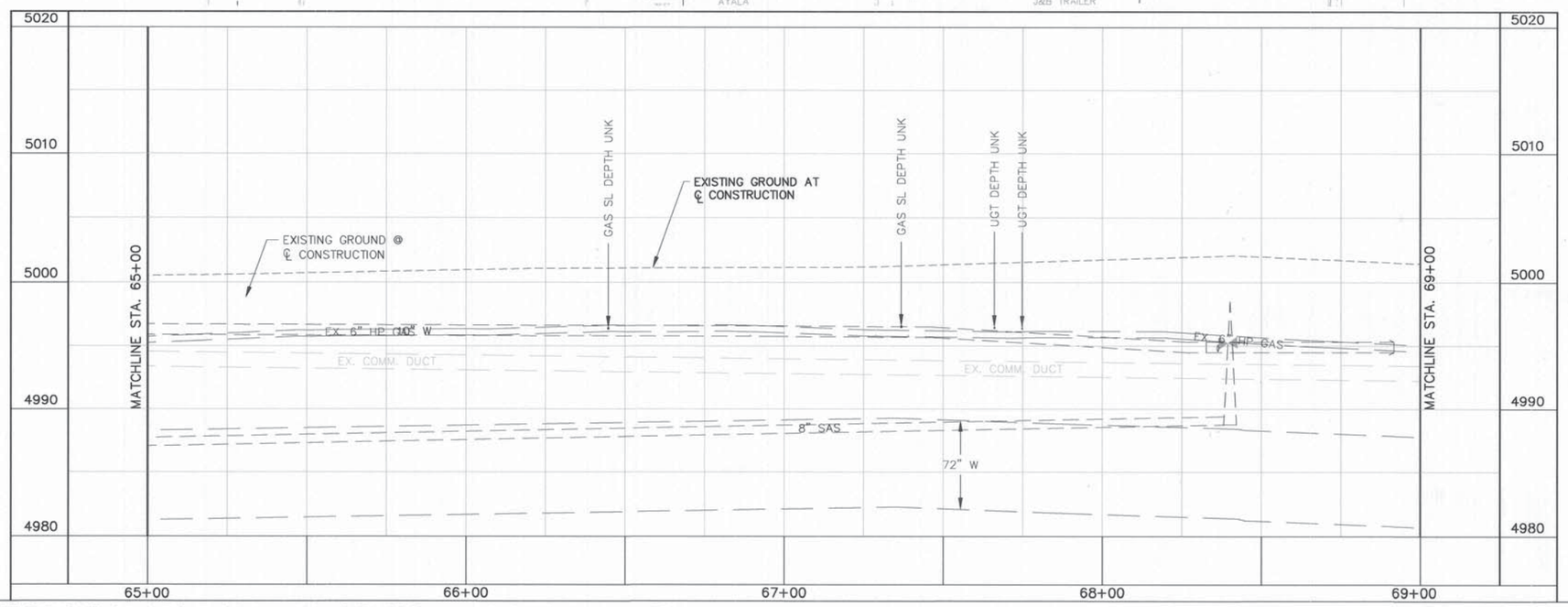

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.

HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

LEGEND:

UTILITY REMOVAL

POTHOLE

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

EDITH BOULEVARD EXISTING UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	13-17

AS BUILT INFORMATION

CONTRACTOR A.S. HOKNER

WORK STAKED BY SHUGAR MILLER 7/06 DATE

INSPECTOR'S FIELD CHANGE BY BCPWD 7/06 DATE

FIELD VERIFICATION BY BCPWD 7/06 DATE

AS-BUILT CORRECTED BY P.B. 5/07 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. SUCHMAN NEW MEXICO 13082 REGISTERED PROFESSIONAL ENGINEER 11/7/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY DATE	TWTK 08/01/07
		DRAWN BY DATE	TWTK 08/01/07
		CHECKED BY DATE	DCM 08/01/07

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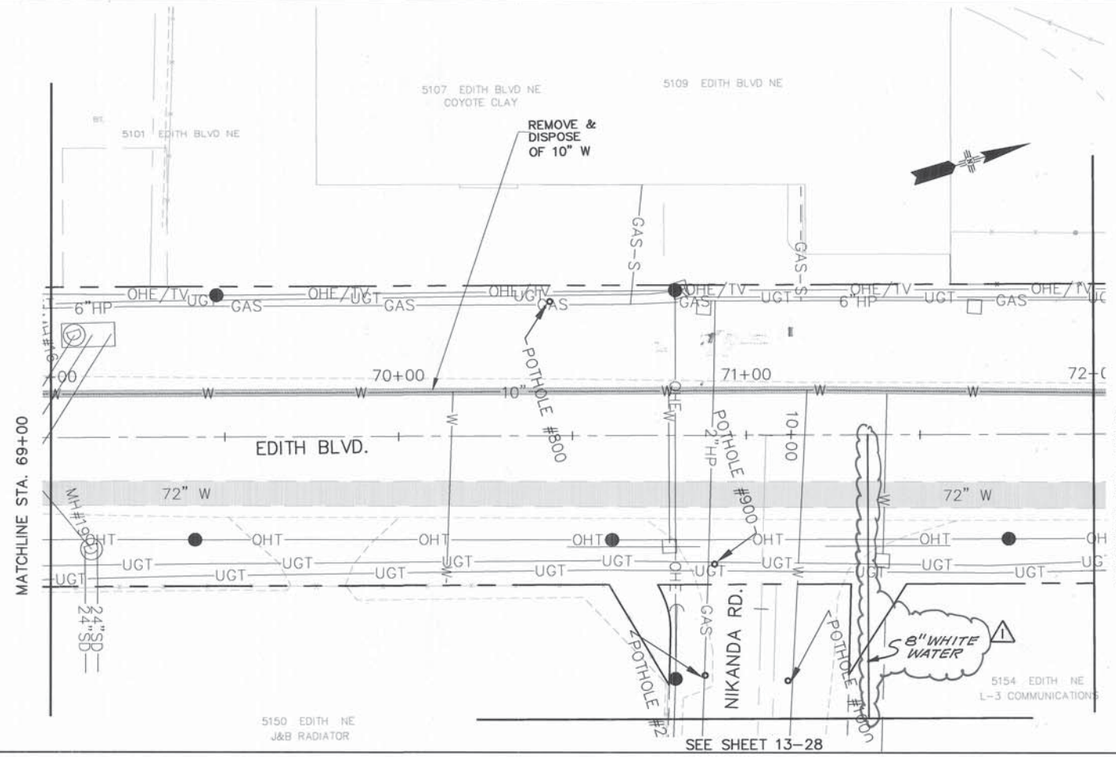

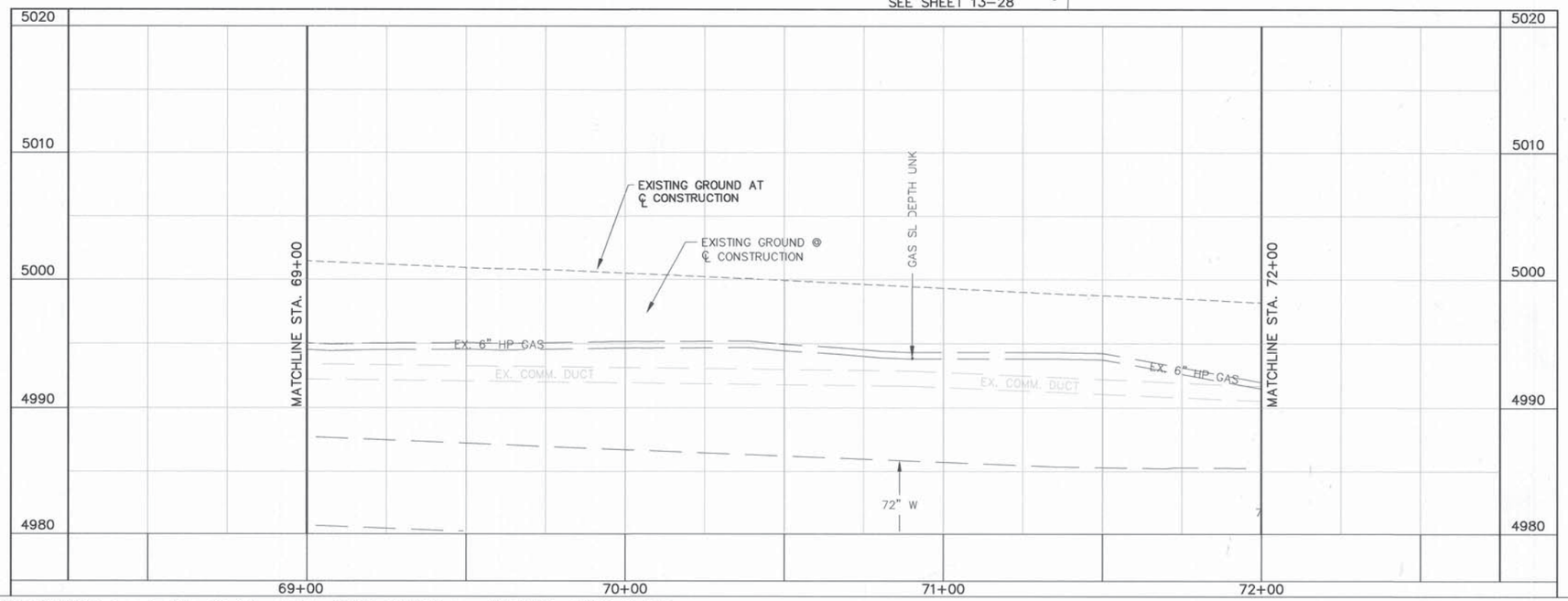

GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

LEGEND:

UTILITY REMOVAL

POTHOLE

RECORD DRAWING

AS BUILT INFORMATION
CONTRACTOR A.S. HANVER
WORK STAKED BY SAMUEL MILLER 1/09 DATE
INSPECTION STAKING BY B&DWD 1/09 DATE
FIELD CHANGES BY B&DWD 1/09 DATE
VERIFICATION BY B&DWD 1/09 DATE
DRAWINGS CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCHANAN
13063
8/17/07
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	05/09	REVISED UTILITY SERVICES	VRV

DESIGN
DESIGNED BY TWTK DATE 08/01/07
DRAWN BY TWTK DATE 08/01/07
CHECKED BY DCM DATE 08/01/07

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

EDITH BOULEVARD EXISTING UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	13-18

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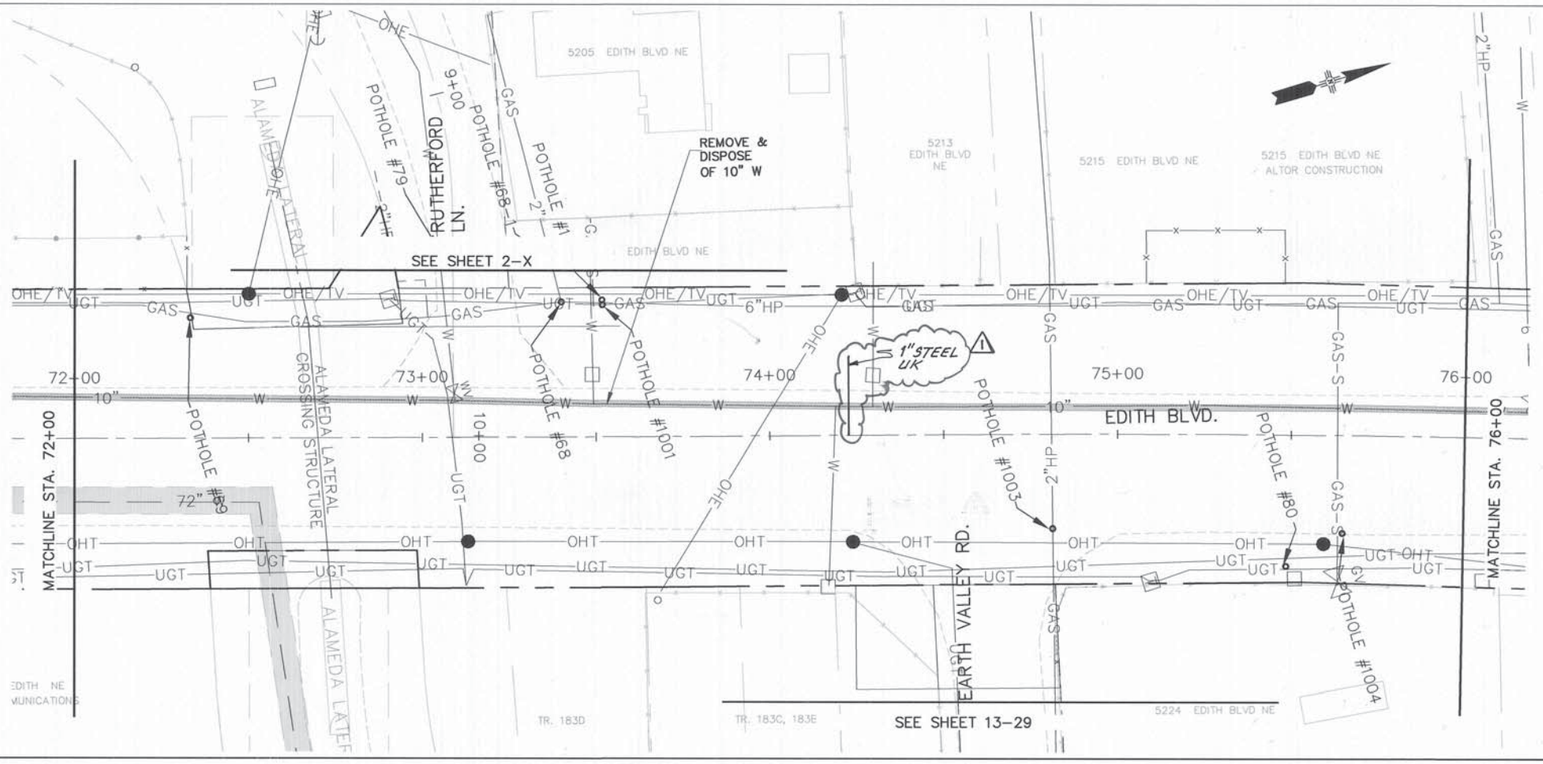

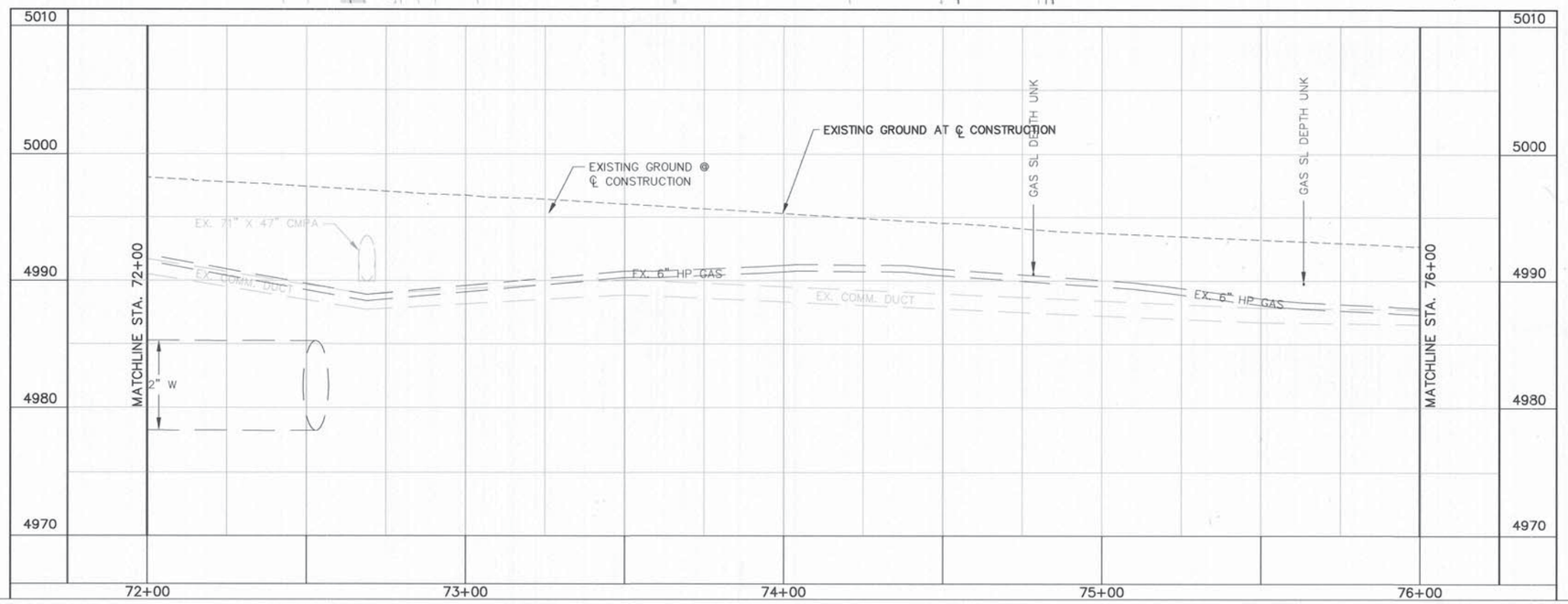

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

LEGEND:

UTILITY REMOVAL

POTHOLE

RECORD DRAWING

PB Parsons Brinckerhoff

AS BUILT INFORMATION

CONTRACTOR A.S. HIRNER

WORK STAKED BY Souder Miller 7/09 DATE

INSPECTOR'S ACCEPTANCE BY BCPWD 1/09 DATE

FIELD VERIFICATION BY BCPWD 1/09 DATE

AS-BUILTS CORRECTED BY R.B. 8/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JOHN R. SOUDER NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/14/07

NO.	DATE	REMARKS	BY
1	08/09	REVISED UTILITY SERVICES	VRW

DESIGN			
DESIGNED BY	TWTK	DATE	08/01/07
DRAWN BY	TWTK	DATE	08/01/07
CHECKED BY	DCM	DATE	08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

EDITH BOULEVARD EXISTING UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	13-19

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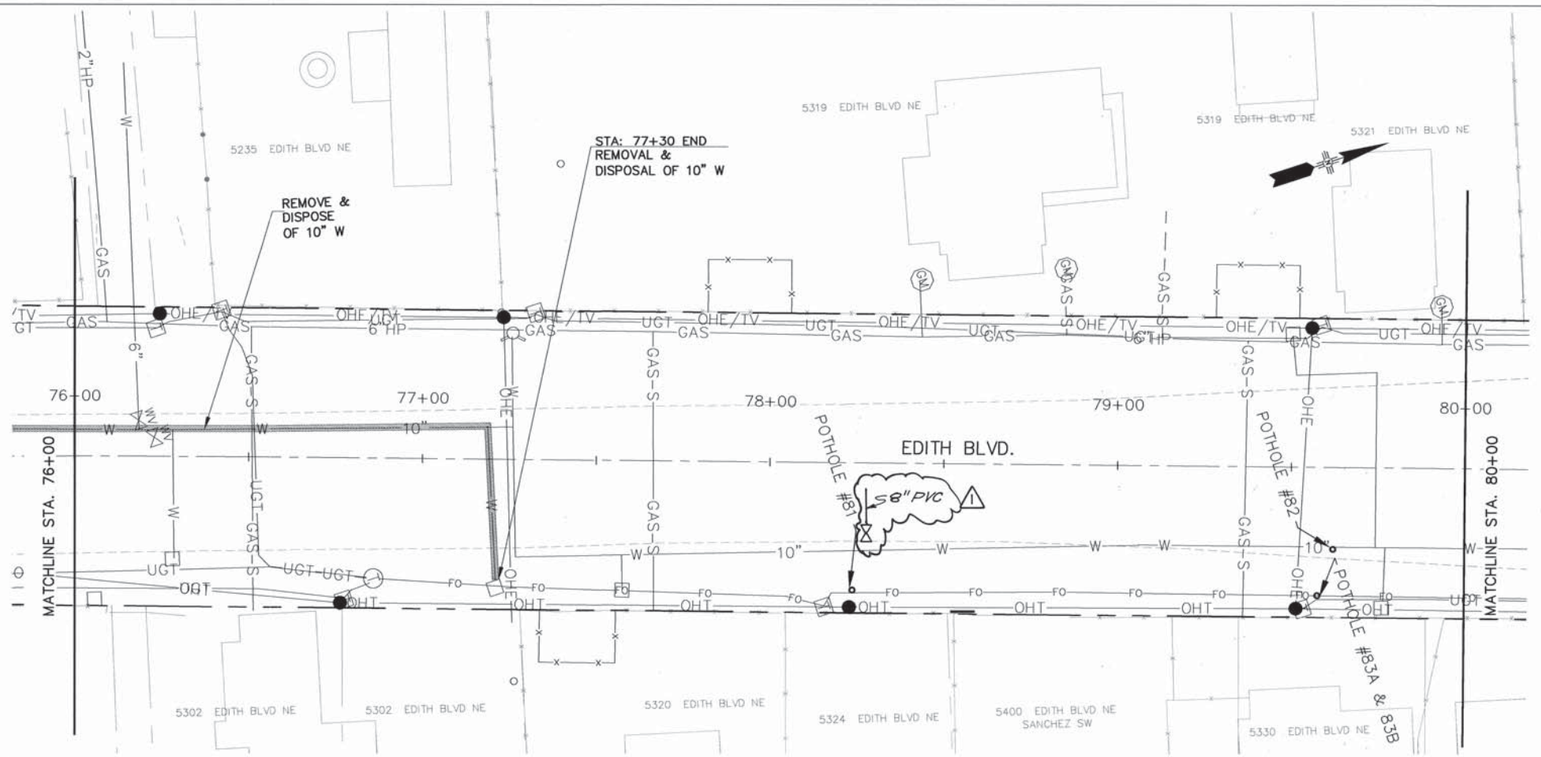
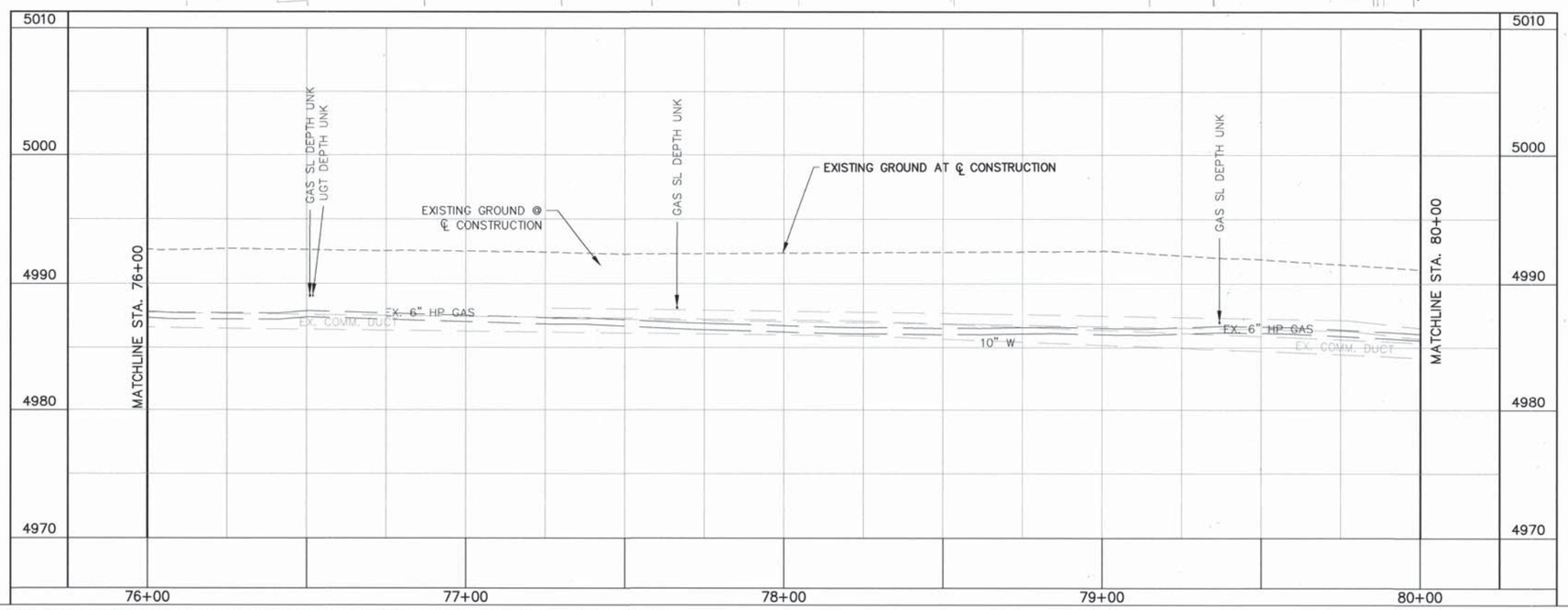




GRAPHIC SCALE

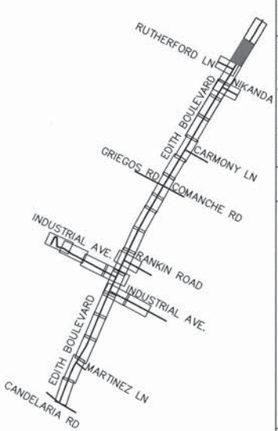
(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

LEGEND:

UTILITY REMOVAL

POTHOLE

RECORD DRAWING



PB Parsons Brinckerhoff

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER

WORK STAKED BY SOUDER MILLER 7/08 DATE

INSPECTION'S PLANS AND/OR FIELD VERIFICATION BY BCPWD 7/09 DATE

ALL WORK CORRECTED BY P.B. 5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/31/07

NO.	DATE	REMARKS	DESIGN			DRAWN	CHECKED
			BY	DATE		BY	BY
1	05/09	REVISED UTILITY SERVICE	TWTK	08/01/07		TWTK	DCM

DESIGNED BY TWTK 08/01/07

DRAWN BY TWTK 08/01/07

CHECKED BY DCM 08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

EDITH BOULEVARD EXISTING UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	13-20

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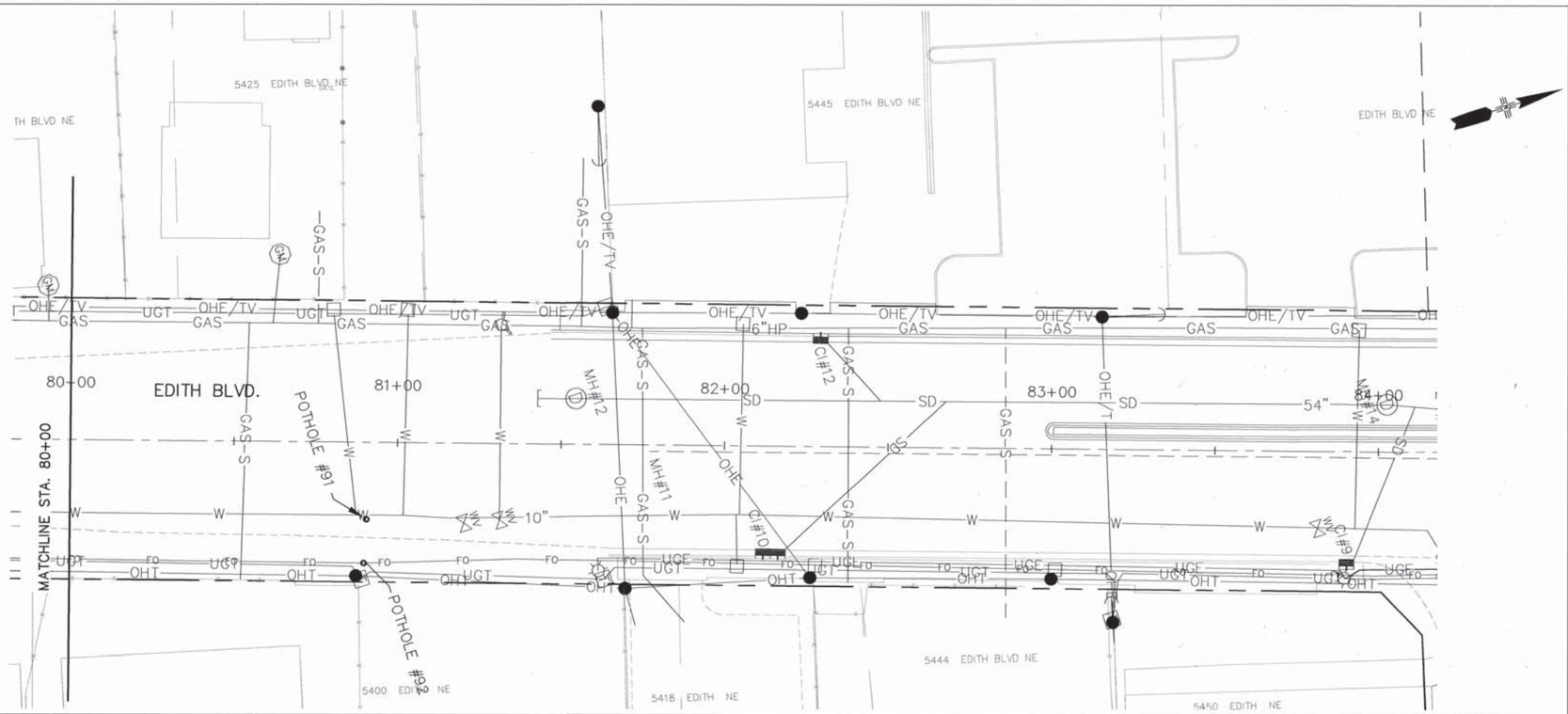

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

LEGEND:

UTILITY REMOVAL

POTHOLE

RECORD DRAWING

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SNYDER MILLER & ASSOC. DATE
INSPECTOR'S FIELD CHANGE BY BCPWD 1/09 DATE
FIELD VERIFICATION BY BCPWD 1/09 DATE
AS-BUILTING BY CORRECTED BY P.B. 6/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY TWTK	DATE 08/01/07
		DRAWN BY TWTK	DATE 08/01/07
		CHECKED BY DCM	DATE 08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

EDITH BOULEVARD EXISTING UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	13-21

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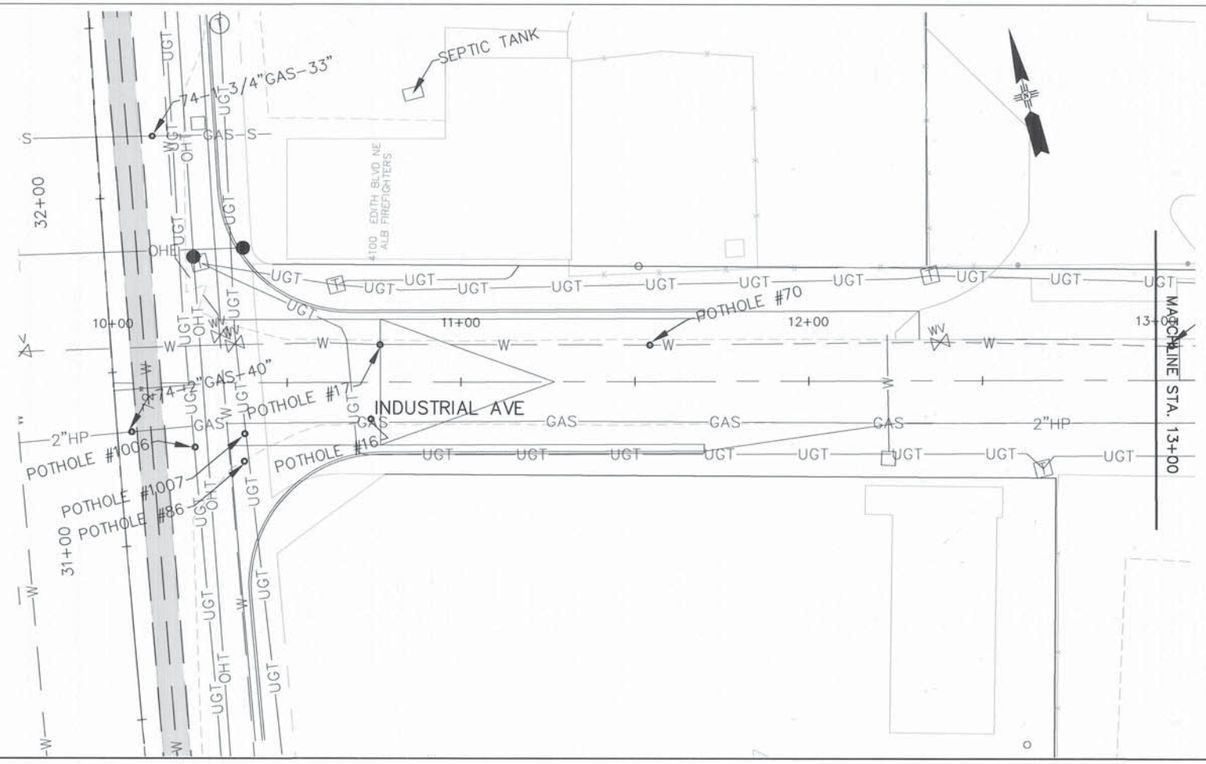

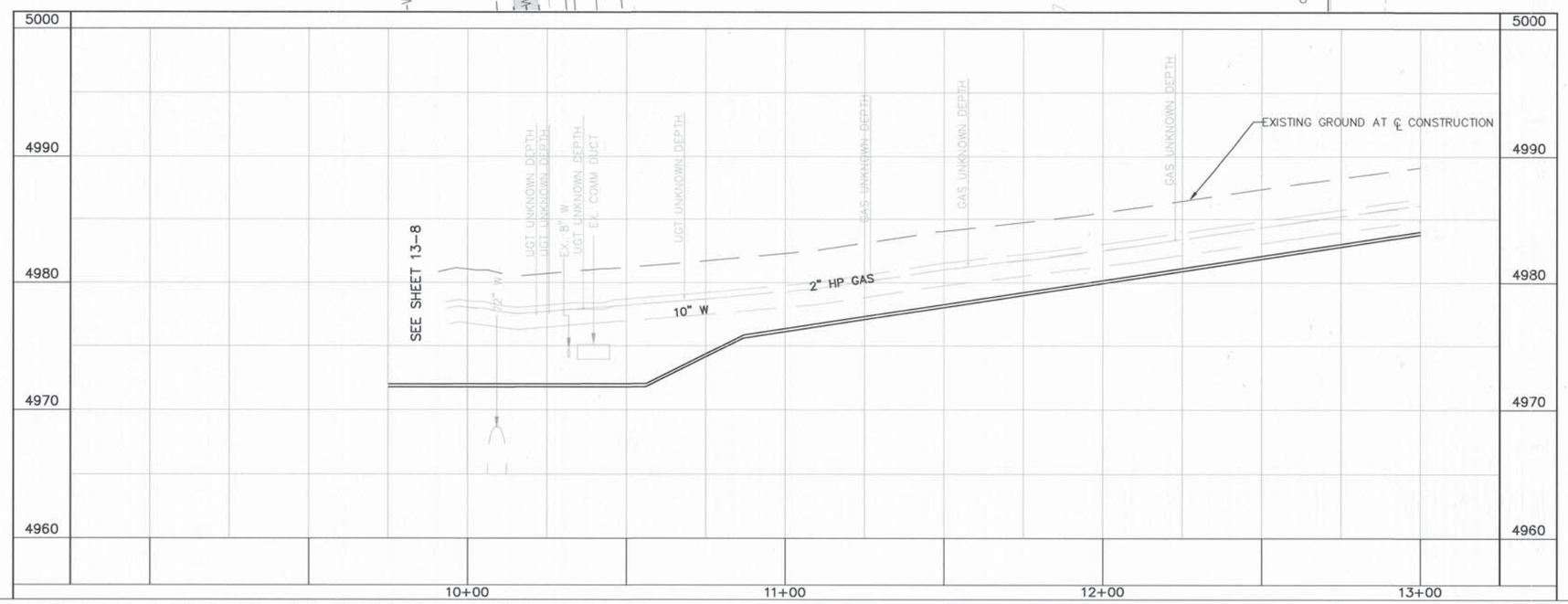

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

LEGEND:

UTILITY REMOVAL

POTHOLE

RECORD DRAWING

PB Parsons Brinckerhoff

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION

		DATE
CONTRACTOR	A.S. HORNER	
WORK STAKED BY	SAUER MILLER Inc	
INSPECTORS FIELD CHANGES BY	BCPWD	1/09
VERIFICATION BY	BCPWD	1/09
CORRECTIONS MARKED BY	BCPWD	5/09
CORRECTED BY	BCPWD	5/09
MICRO-FILM INFORMATION		
RECORDED BY		
NO.		

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13063
7/17/07
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
	DESIGNED BY	TWTK	08/01/07
	DRAWN BY	TWTK	08/01/07
	CHECKED BY	DCM	08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

INDUSTRIAL AVENUE EXISTING UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	13-22

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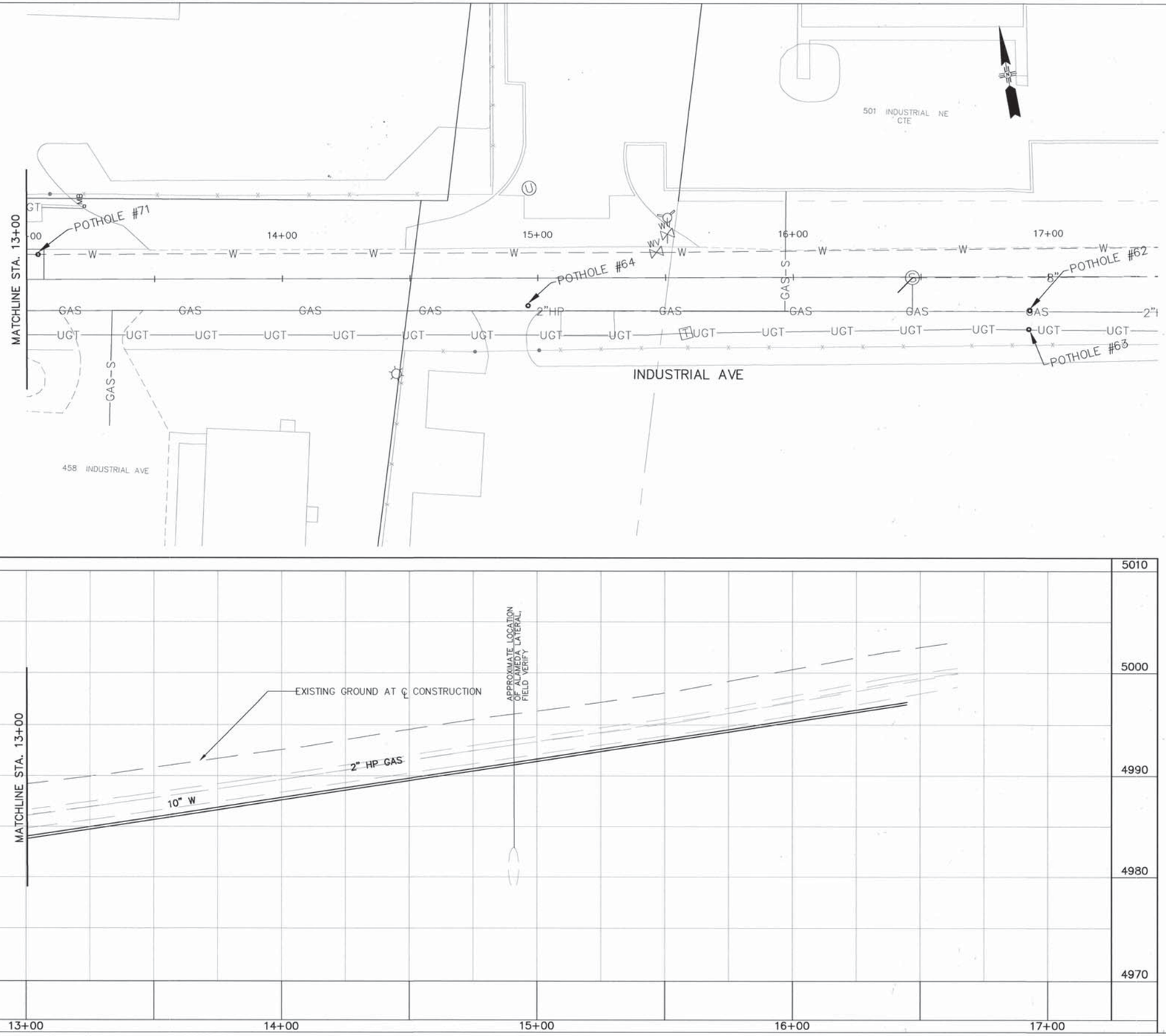


GRAPHIC SCALE

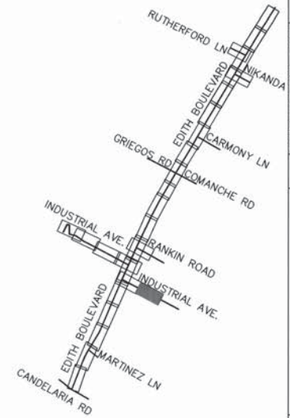
(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

LEGEND:

UTILITY REMOVAL

POTHOLE

RECORD DRAWING



PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A. S. HORNER
WORK STAKED BY SOUDERMILLER 1/08 DATE
INSPECTOR'S PLANS MARKED BY B.C.P.V.D 1/09 DATE
FIELD VERIFICATION BY B.C.P.V.D 4/09 DATE
DRAWINGS CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
JAMES H. BUCHANAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY TWTK	DATE 08/01/07
		DRAWN BY TWTK	DATE 08/01/07
		CHECKED BY DCM	DATE 08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
INDUSTRIAL AVENUE EXISTING UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	13-23

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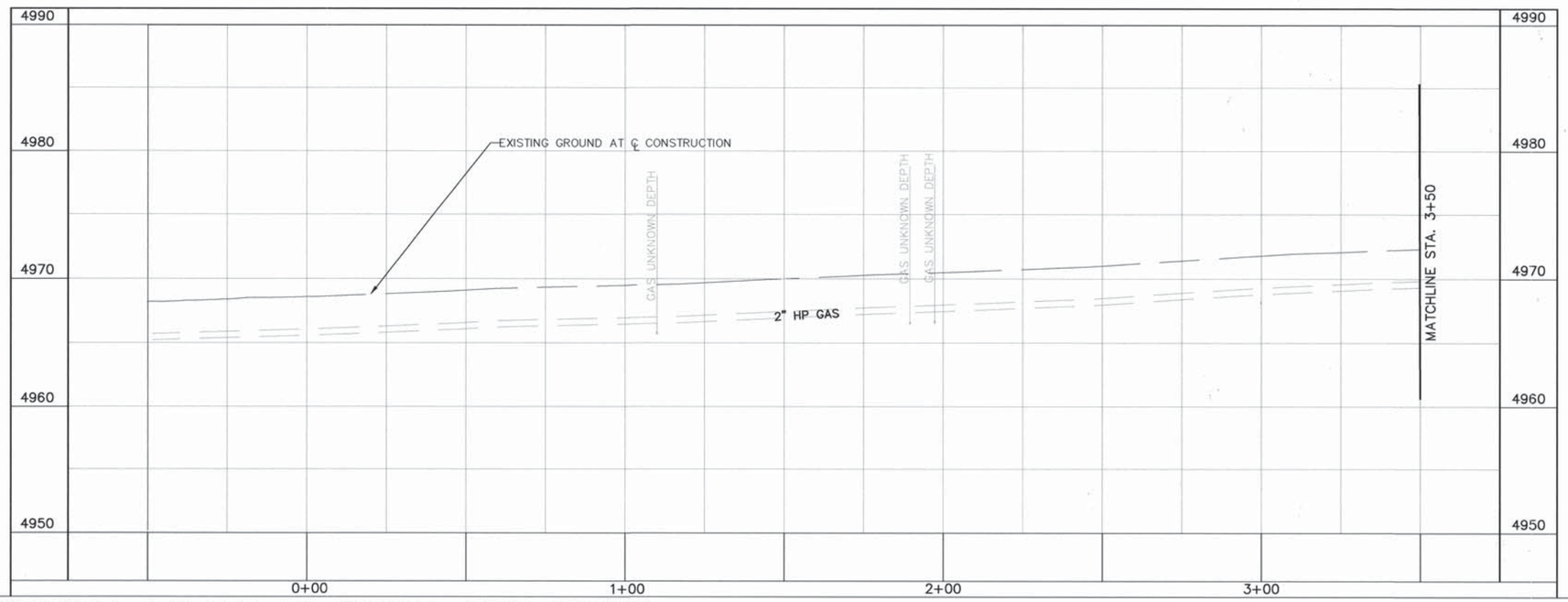


GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

1 inch = 20 ft.

HORZ. SCALE: 1" = 20'

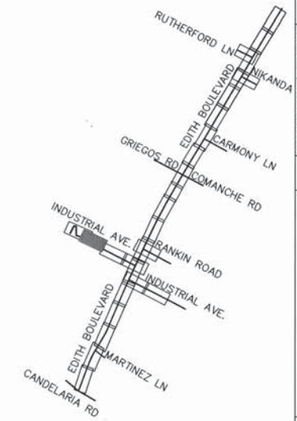
VERT. SCALE: 1" = 5'

LEGEND:

UTILITY REMOVAL

POTHOLE

RECORD DRAWING



PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SONDERMILLER 3/08 DATE
INSPECTOR'S FIELD CHANGES BY B&PWD 3/09 DATE
FIELD VERIFICATION BY B&PWD 3/09 DATE
DRAWINGS CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
JAMES H. BURKMAN
NEW MEXICO
13062
8/27/07
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	05/09	REVISED UTILITY SERVICES	VRV

DESIGN

DESIGNED BY	TWTK	08/01/07
DRAWN BY	TWTK	08/01/07
CHECKED BY	DCM	08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

INDUSTRIAL AVENUE EXISTING UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	13-24

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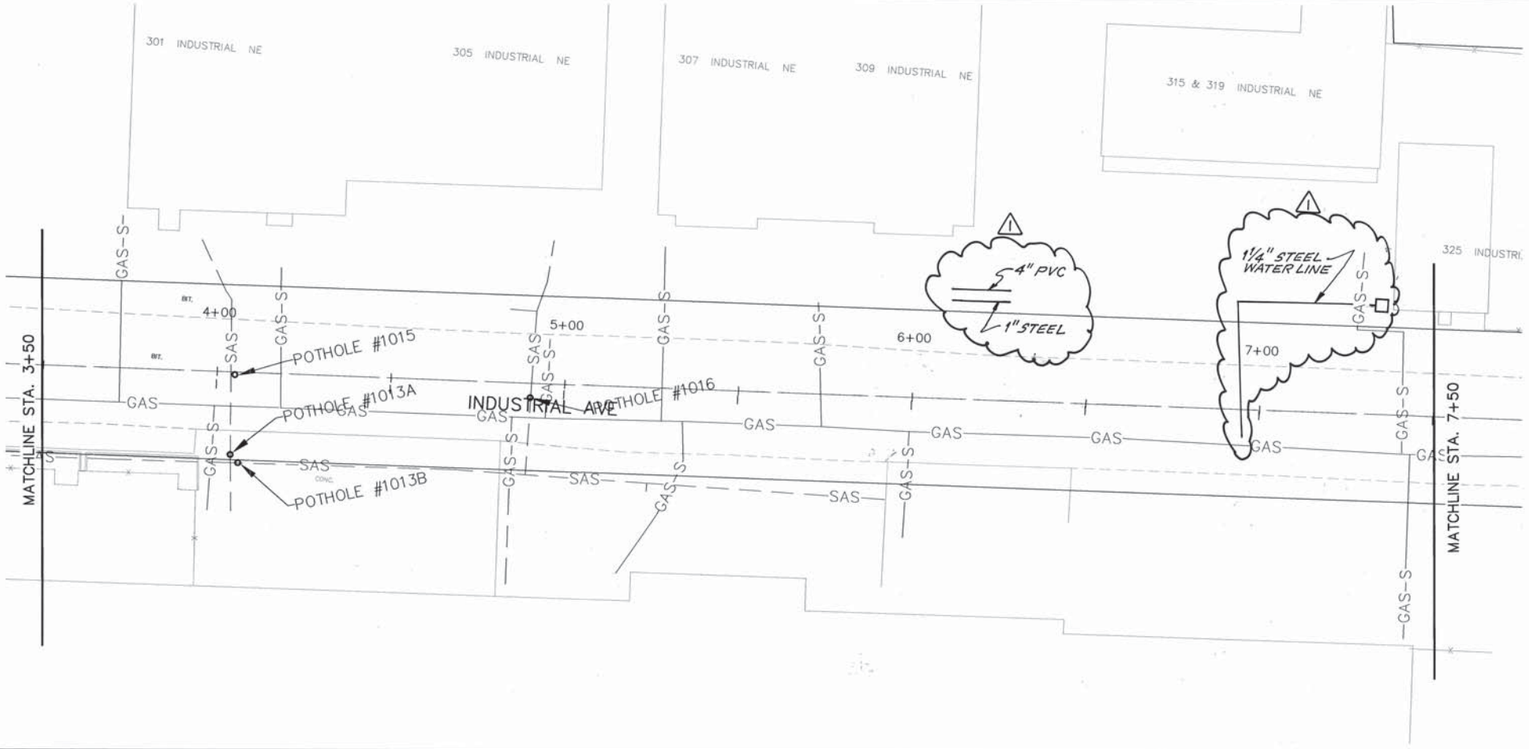
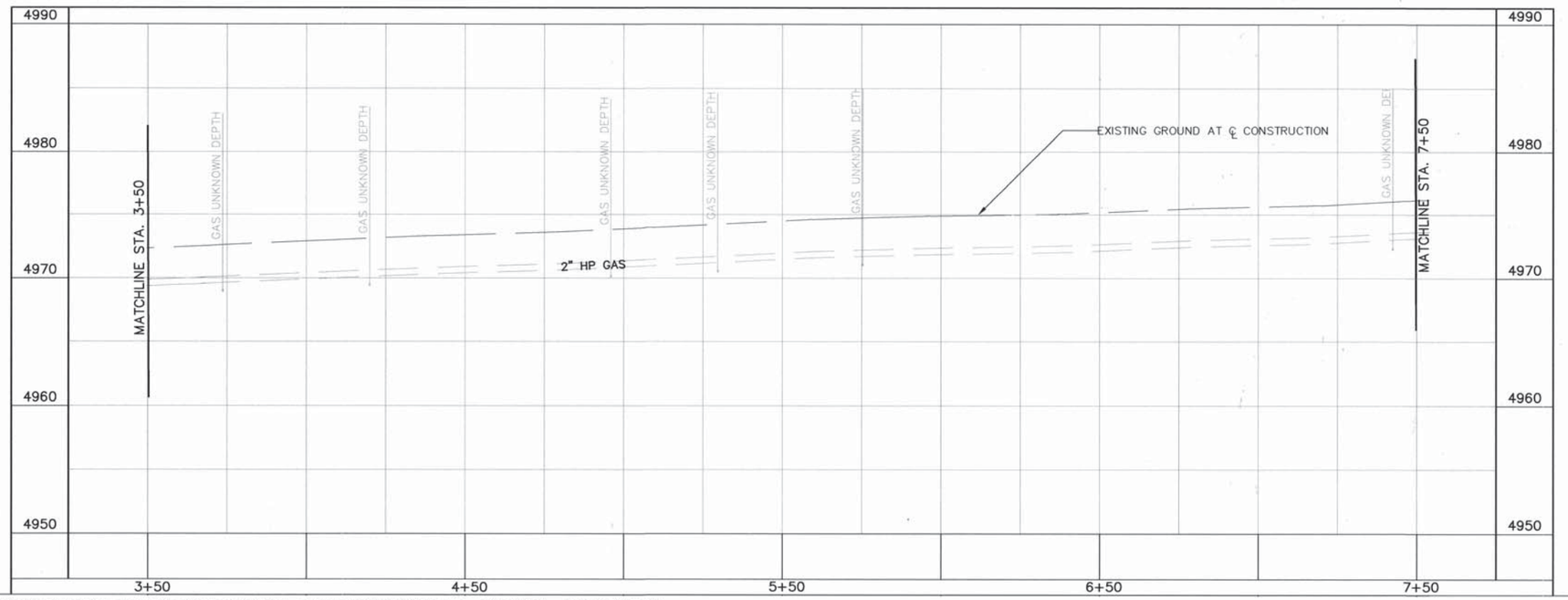




GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

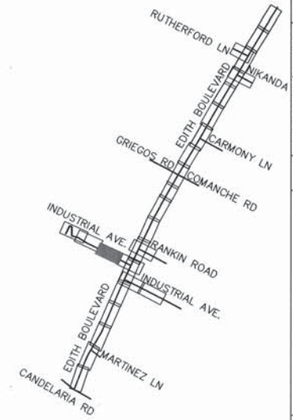
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

LEGEND:

UTILITY REMOVAL

POTHOLE

RECORD DRAWING



PB Parsons Brinckerhoff

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER

SURVEY INFORMATION	BENCH MARKS	
FIELD NOTES	ACS 1 3/4" Aluminum disk,	
NO. BY DATE	stamped "ACS BM, 9-F15",	
	epoxied to top of concrete drop inlet,	
	ENE quadrant of Montano Rd. & Edith Blvd. NE,	
	centered on solid drop inlet.	
	NGVD 29 Elev. = 4984.00'	

SURVEY STAKED BY SNYDER MILLER INC DATE
INSPECTION BY BCPWD DATE 1/09
ACCEPTANCE BY BCPWD DATE 1/09
FIELD VERIFICATION BY P.B. DATE 5/09
DRAWINGS CORRECTED BY P.B. DATE
MICRO-FILM INFORMATION DATE
RECORDED BY
NO.

ENGINEER'S SEAL
JAMES H. BUCHANAN
NEW MEXICO
13062
8/17/07

NO.	DATE	REMARKS	BY
1	05/09	REVISED UTILITY SERVICE	VRV

DESIGN

DESIGNED BY	TWTK	08/01/07
DRAWN BY	TWTK	08/01/07
CHECKED BY	DCM	08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

INDUSTRIAL AVENUE EXISTING UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	13-25

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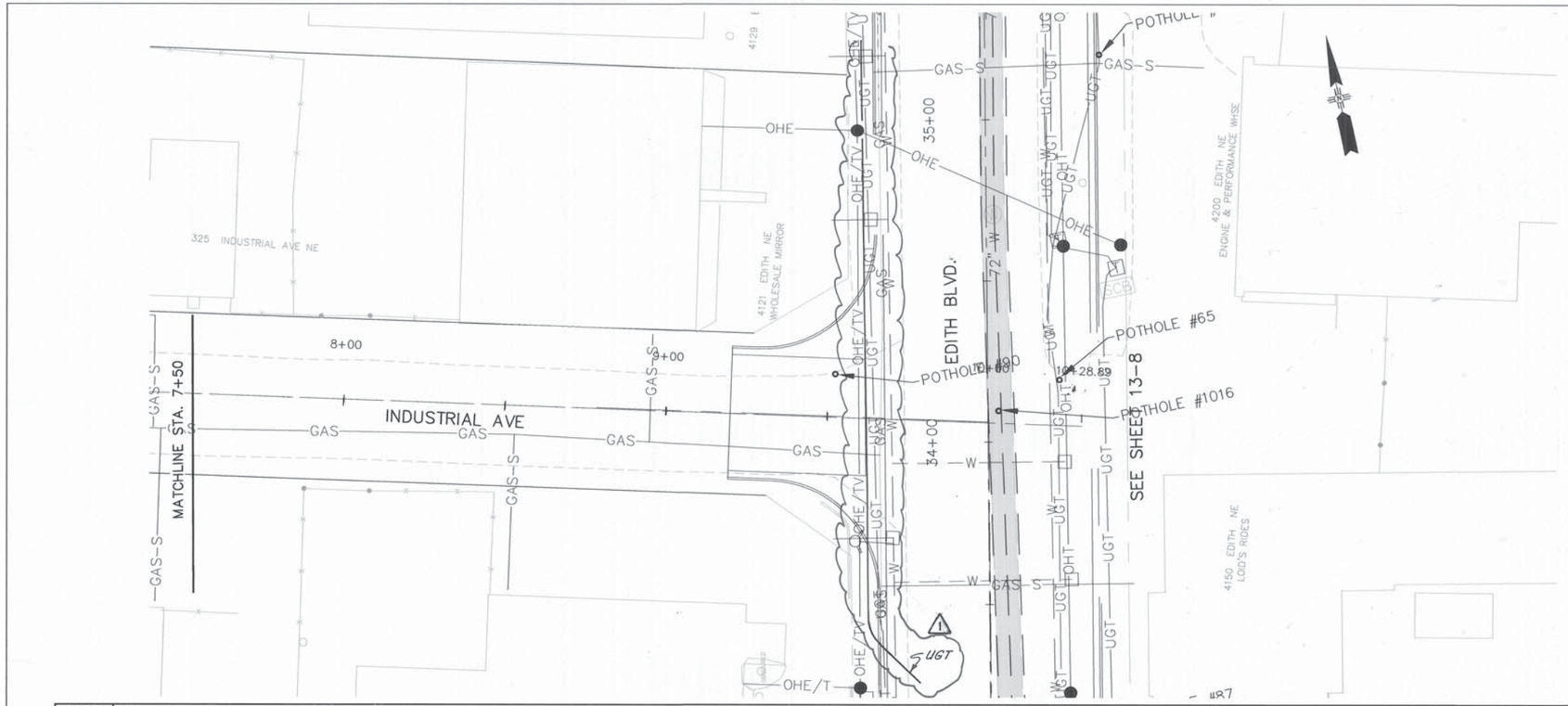


GRAPHIC SCALE

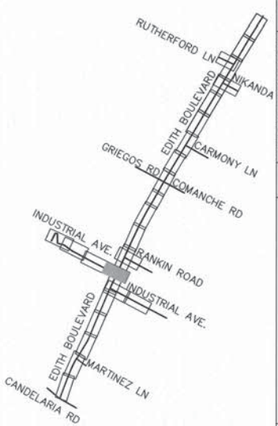
20 0 10 20 40

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

LEGEND:

- UTILITY REMOVAL
- POTHOLE

RECORD DRAWING



PB Parsons Brinckerhoff

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER
WORK STAKED BY SCHAFER MILLER 3/08 DATE
INSPECTOR'S FIELD CHANGE BY BCPWD 3/09 DATE
VERIFICATION BY BCPWD 3/09 DATE
PLANS REVISED/ CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	TWTK	08/01/07
DRAWN BY	TWTK	08/01/07
CHECKED BY	DCM	08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

INDUSTRIAL AVENUE EXISTING UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	13-26

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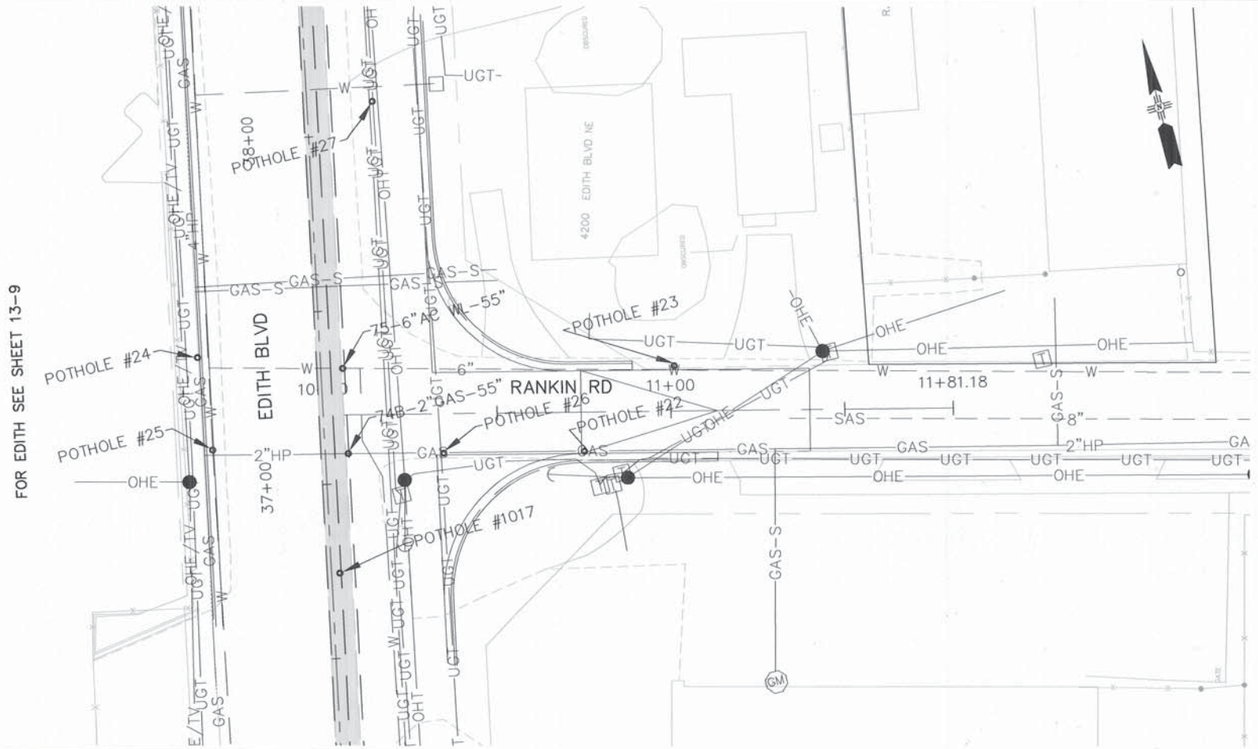

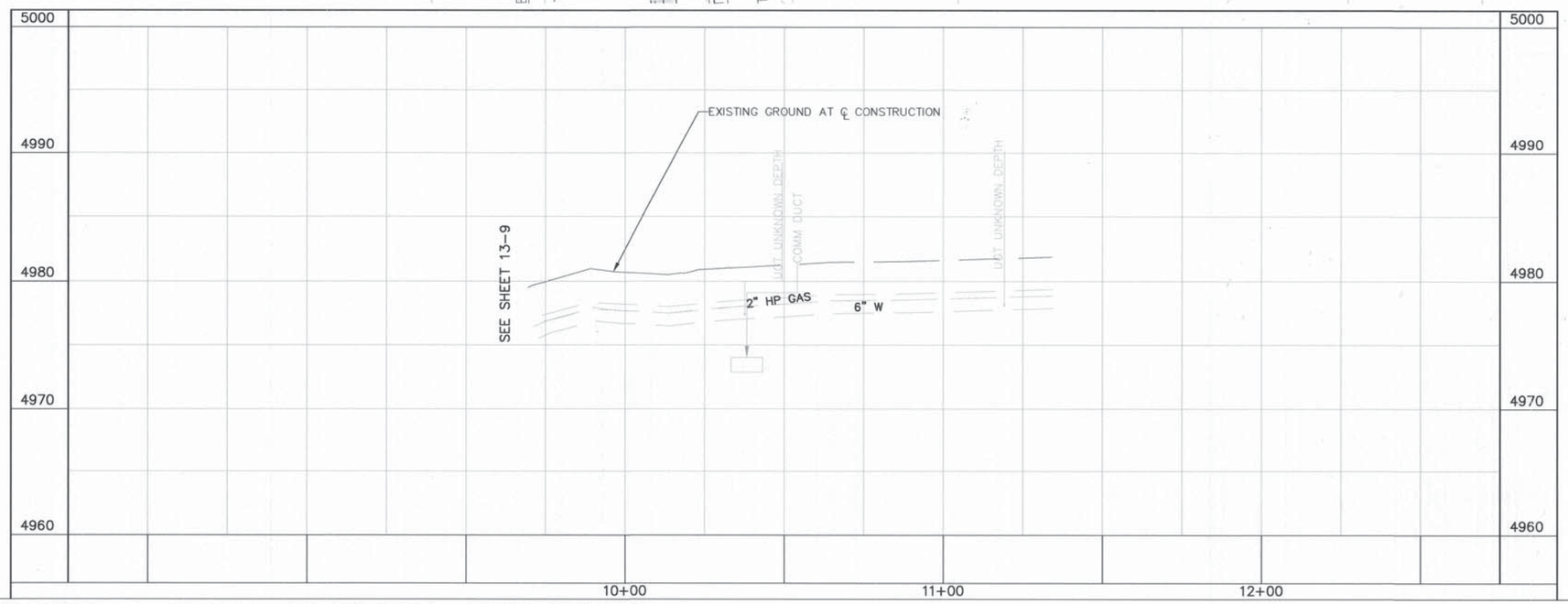

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

LEGEND:

UTILITY REMOVAL

POTHOLE

RECORD DRAWING

PB Parsons Brinckerhoff

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STARTED BY SNIDER MILLER 1/09 DATE
INSPECTORS ON SITE DURING CONSTRUCTION BOPWD 1/09 DATE
FIELD VERIFICATION BY B-CPWD 1/09 DATE
AS-BUILTS COMPILED BY P.B. 5/09 DATE
CORRECTED BY MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCHANAN 13062 REGISTERED PROFESSIONAL ENGINEER 9/9/07

NO.	DATE	REMARKS	BY

DESIGN
DESIGNED BY TWTK DATE 08/01/07
DRAWN BY TWTK DATE 08/01/07
CHECKED BY DCM DATE 08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
RANKIN ROAD EXISTING UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	13-27

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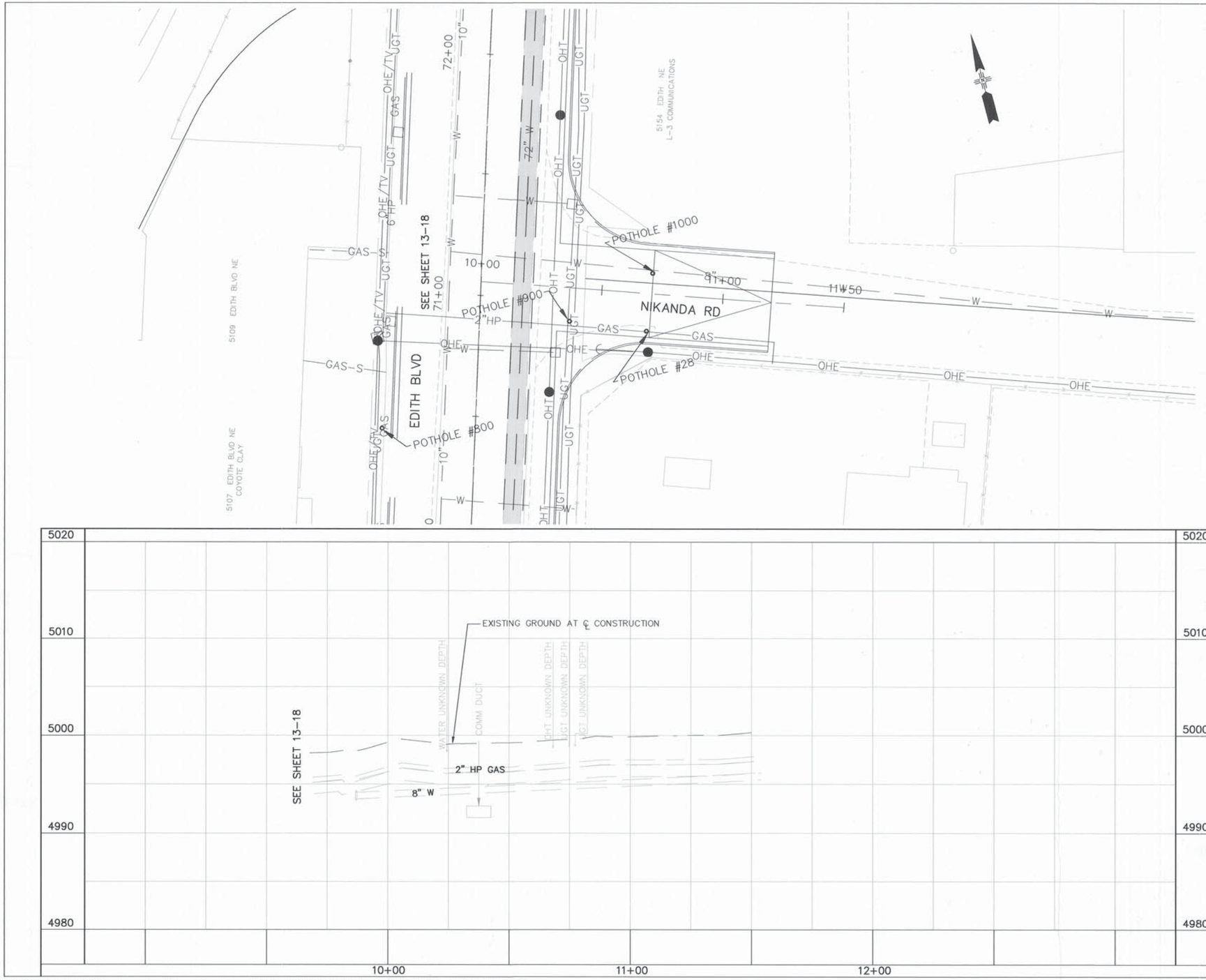


GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.

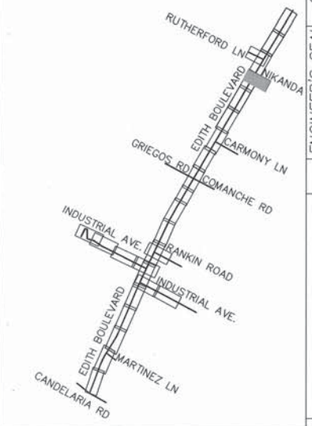
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

LEGEND:

UTILITY REMOVAL

POTHOLE

RECORD DRAWING



PB Parsons Brinckerhoff

AS BUILT INFORMATION	
CONTRACTOR	A.S. HORNER
WORK STARTED BY	SNYDER MILLER 3/08 DATE
INSPECTION	
FIELD CHANGES BY	BCP+D 3/09 DATE
FIELD VERIFICATION BY	BCP+D 3/09 DATE
AS BUILTS COMPLETED BY	BCP+D 3/09 DATE
CORRECTED BY	P.B. 3/09 DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on sold drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION FIELD NOTES		
NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. SUCA
13062
REGISTERED PROFESSIONAL ENGINEER
11/14/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY TWTK	08/01/07
		DRAWN BY TWTK	08/01/07
		CHECKED BY DCM	08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

NIKANDA ROAD EXISTING UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	13-28

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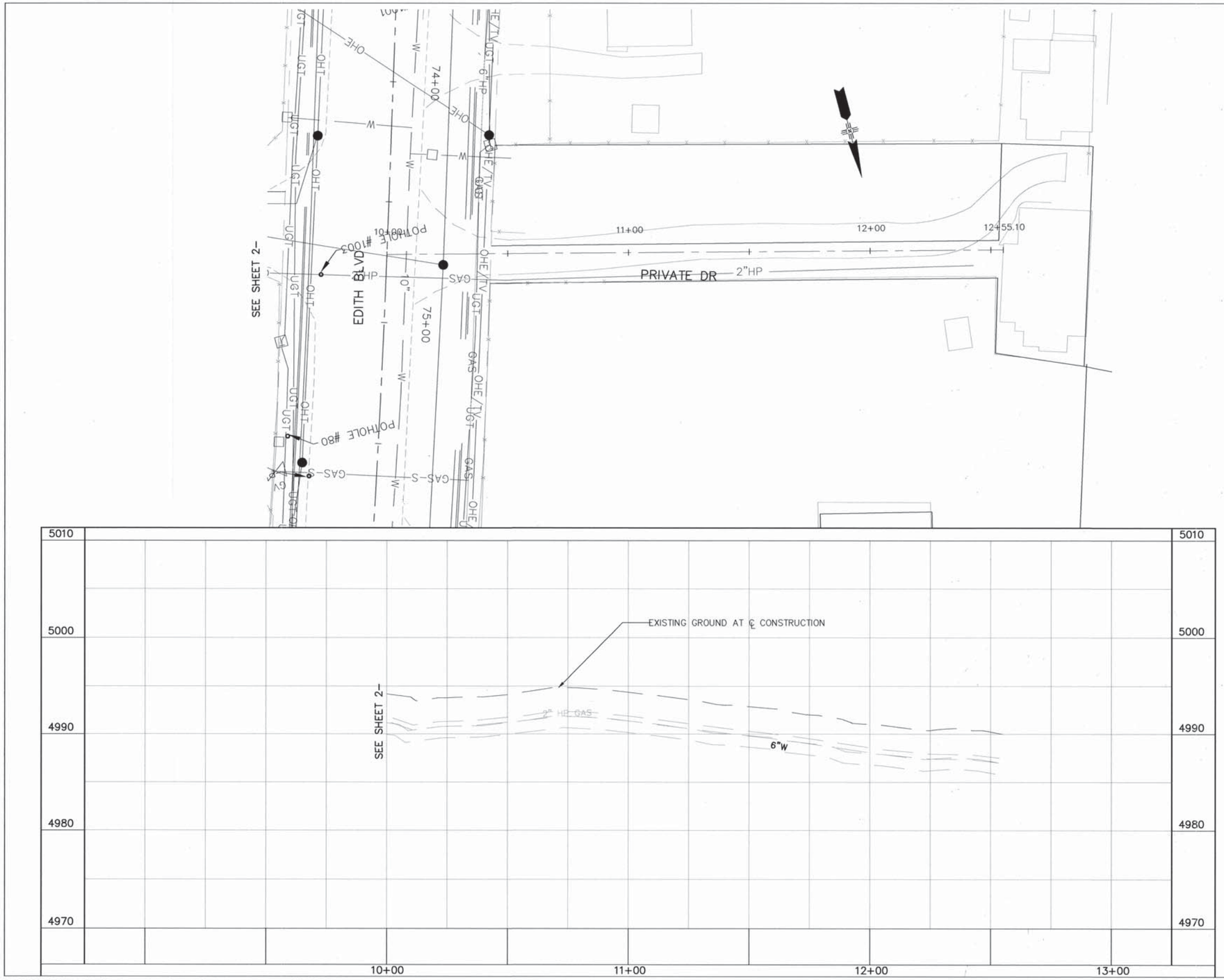


GRAPHIC SCALE

20 0 10 20 40

(IN FEET)
1 inch = 20 ft.

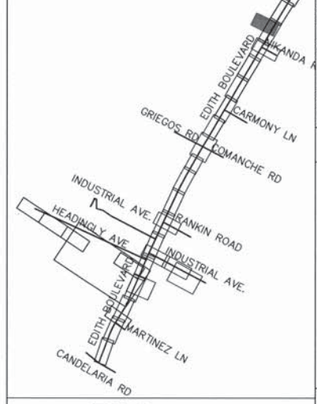
HORZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 5'

LEGEND:

UTILITY REMOVAL

POTHOLE

RECORD DRAWING



PB Parsons Brinckerhoff

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER

WORK STAKED BY SNYDER/MILLER 3/06 DATE

INSPECTION & CHANGES BY B.C.P.W.D 1/07 DATE

FIELD VERIFICATION BY B.C.P.W.D 1/07 DATE

DRAWING CORRECTED BY P.B. 5/07 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.

NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY TWTK	DATE 08/01/07
		DRAWN BY TWTK	DATE 08/01/07
		CHECKED BY DCM	DATE 08/01/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

PRIVATE DRIVE EXISTING UTILITY PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F–15, G–15	13–29

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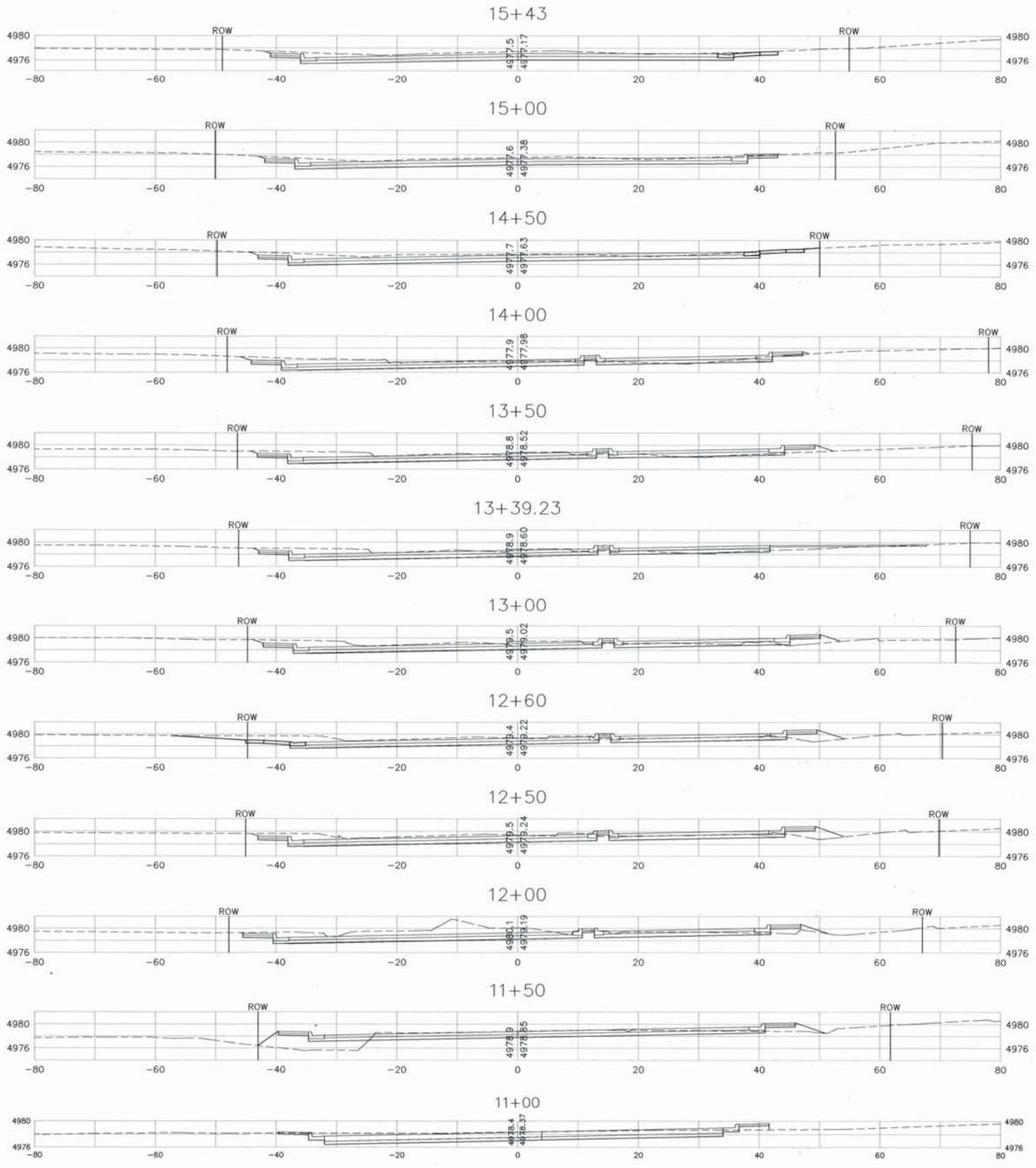

GRAPHIC SCALE

10 0 5 10

(IN FEET)
1 inch = 10 ft.

RECORD DRAWING

PB Parsons
with Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
ROADWAY CROSS SECTIONS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	14-1

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE. quadrant of Montano Rd. & Edith Blvd. NE. centered on said drop inlet. NGVD 29 Elev. = 4984.00'

AS Built INFORMATION

CONTRACTOR	A. HONEYER
WORK STAKED BY	SOUDER MILLER
INSPECTION BY	BCPWD
ACCEPTANCE BY	BCPWD
FIELD VERIFICATION BY	P.B.
DRAWINGS CORRECTED BY	P.B.

MICRO-FILM INFORMATION

RECORDED BY
DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCHANAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
8/1/07

NO.	DATE	REMARKS	BY

DESIGN			
DESIGNED BY	JB	DATE	8/1/07
DRAWN BY	RJ	DATE	8/1/07
CHECKED BY	NA	DATE	8/1/07

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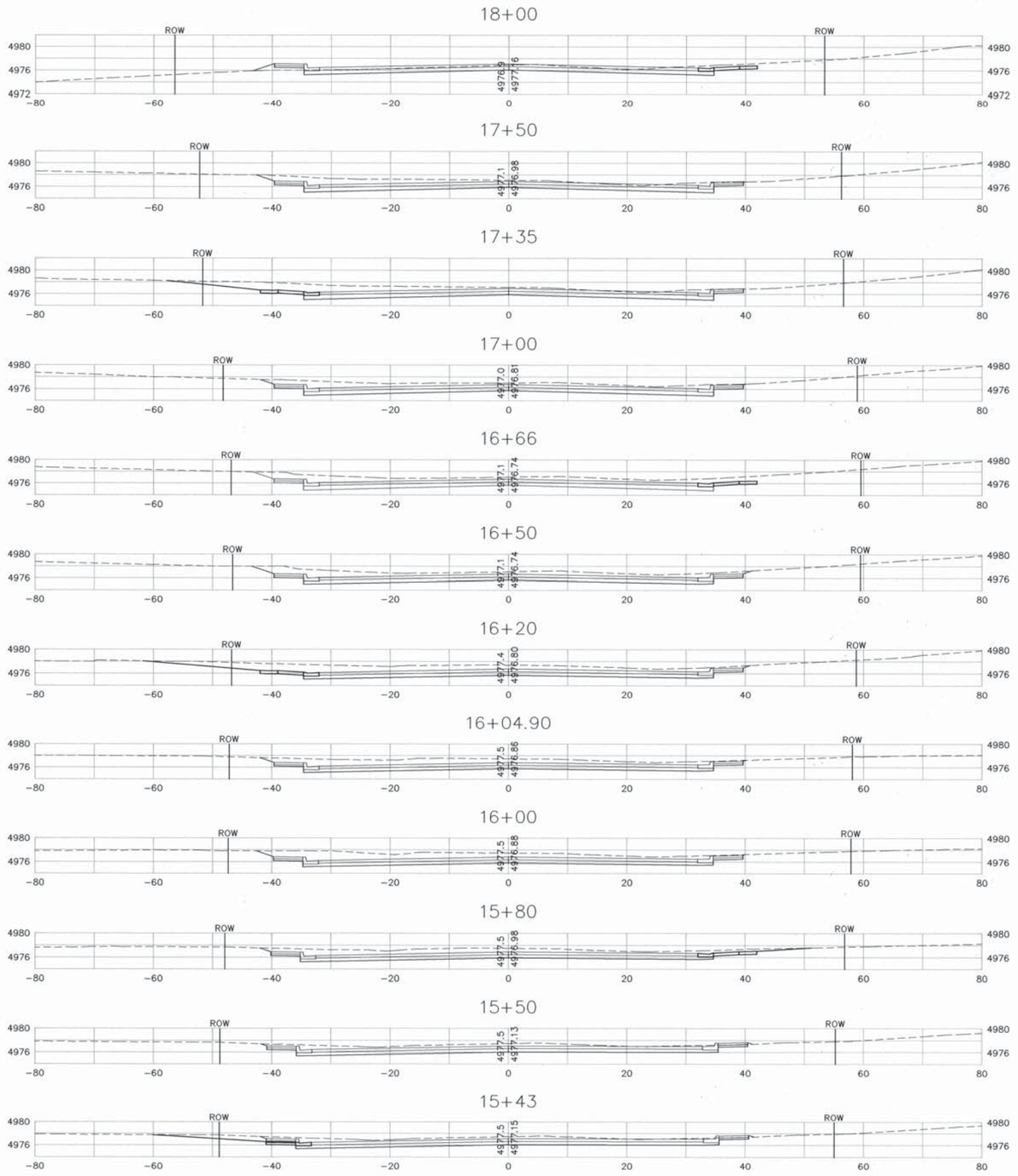

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)

1 inch = 10 ft.

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

ROADWAY CROSS SECTIONS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	14-2

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER DATE
WORK STAKED BY Roger Hoffman DATE
AS-BUILTED BY Roger Hoffman DATE
INSPECTOR S. Sauer Miller
CHANGES BY R.PWD 1/09 DATE
FIELD VERIFICATION BY B.PWD 1/09 DATE
DATA ENTRY BY P.B. 5/09 DATE
CORRECTED BY MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCHMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/7/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY JB	DATE 8/1/07
		DRAWN BY RJ	DATE 8/1/07
		CHECKED BY NA	DATE 8/1/07

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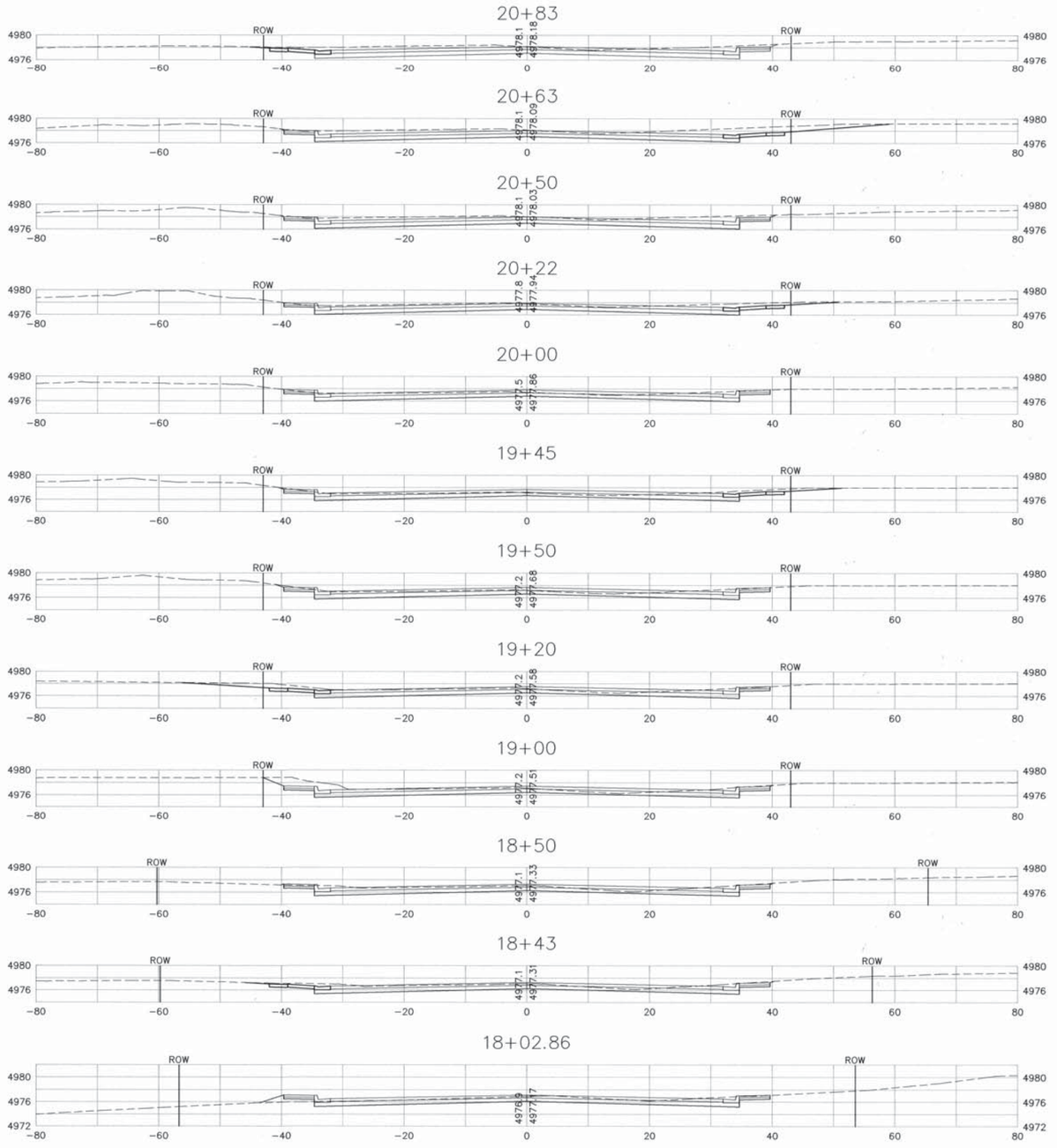

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

ROADWAY CROSS SECTIONS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	14-3

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER

WORK STAKED BY Souder, Miller 1/08 DATE

INSPECTION BY BCPWD 1/09 DATE

FIELD CHANGES BY BCPWD 1/09 DATE

VERIFICATION BY CHANGES BCPWD 1/09 DATE

CORRECTED BY P.B. 5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.

NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCHANAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/7/07

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	JB	8/1/07
DRAWN BY	RJ	8/1/07
CHECKED BY	NA	8/1/07

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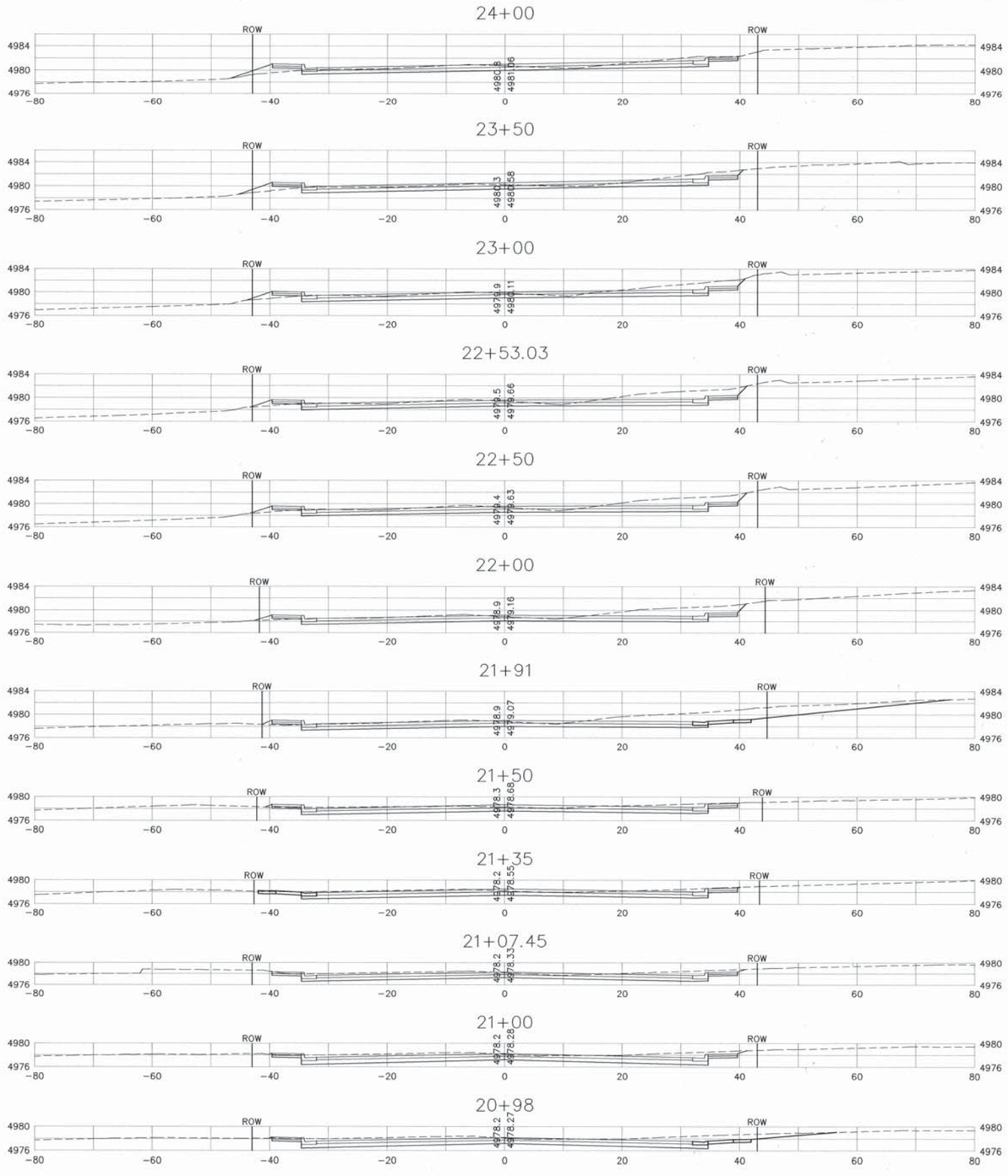

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
ROADWAY CROSS SECTIONS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	14-4

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER.

WORK STAKED BY SNIDER MILLER 1/08 DATE
INSPECTION'S AS-BUILT BY BdPwD 1/09 DATE
FIELD VERIFICATION BY BdPwD 1/09 DATE
AS-BUILT CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCHAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
8/1/07

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	JB	8/1/07 DATE
DRAWN BY	RJ	8/1/07 DATE
CHECKED BY	NA	8/1/07 DATE

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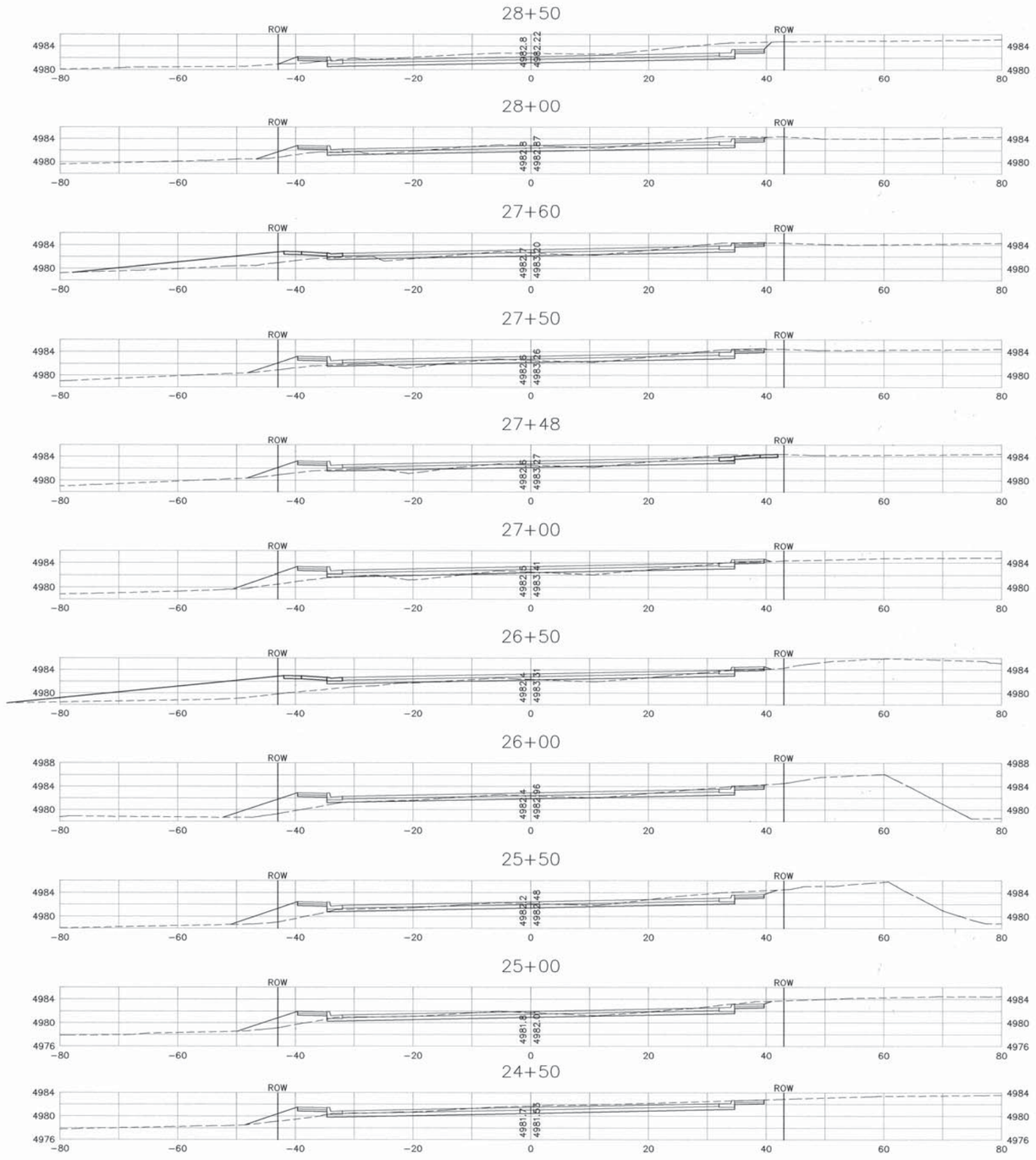

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)

1 inch = 10 ft.

RECORD DRAWING

PB Parsons Brinckerhoff

AS BUILT INFORMATION		
CONTRACTOR	A. S. HORNER	
WORK STAKED BY	JOUBERT MILLER 3/08	DATE
INSPECTOR'S ACCEPTANCE	BCPWD	1/09 DATE
FIELD VERIFICATION	BCPWD	1/09 DATE
DRAWINGS CORRECTED BY	P.B.	5/09 DATE
MICRO-FILM INFORMATION		
RECORDED BY		DATE
NO.		

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9−F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION		
NO.	FIELD NOTES BY	DATE

ENGINEER'S SEAL

JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/1/07

NO.	DATE	REMARKS	BY

DESIGN		
DESIGNED BY	JB	DATE 8/1/07
DRAWN BY	RJ	DATE 8/1/07
CHECKED BY	NA	DATE 8/1/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

ROADWAY CROSS SECTIONS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F−15, G−15	14−5

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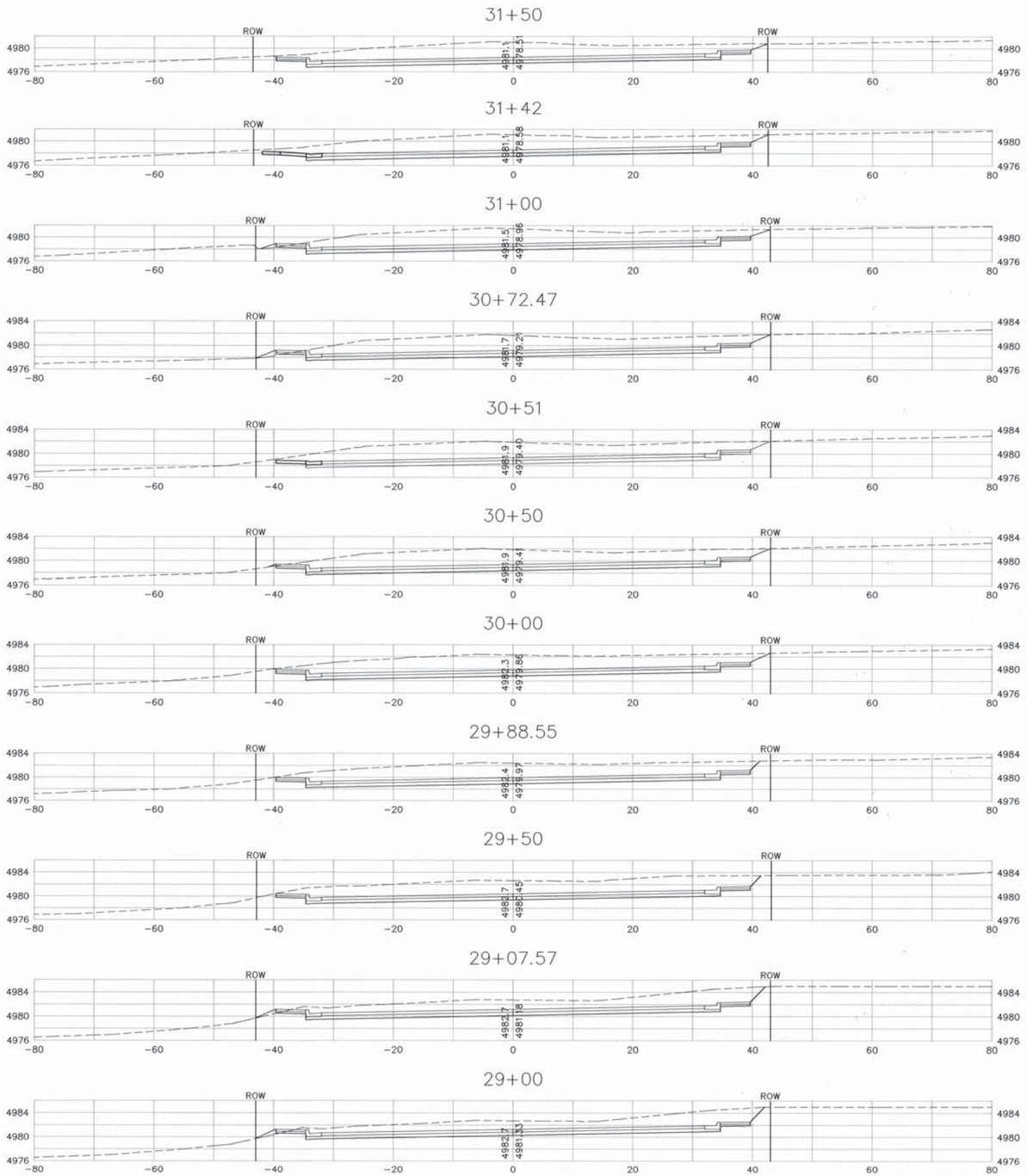

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

ROADWAY CROSS SECTIONS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	14-6

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER

WORK STAKED BY Jourdan Miller 3/08 DATE
INSPECTIONS PERFORMED BY BCPWD 3/09 DATE
FIELD VERIFICATION BY BCPWD 3/09 DATE
AS-BUILTS CORRECTED BY P.B. 5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/1/07

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	JB	DATE	8/1/07
DRAWN BY	RJ	DATE	8/1/07
CHECKED BY	NA	DATE	8/1/07

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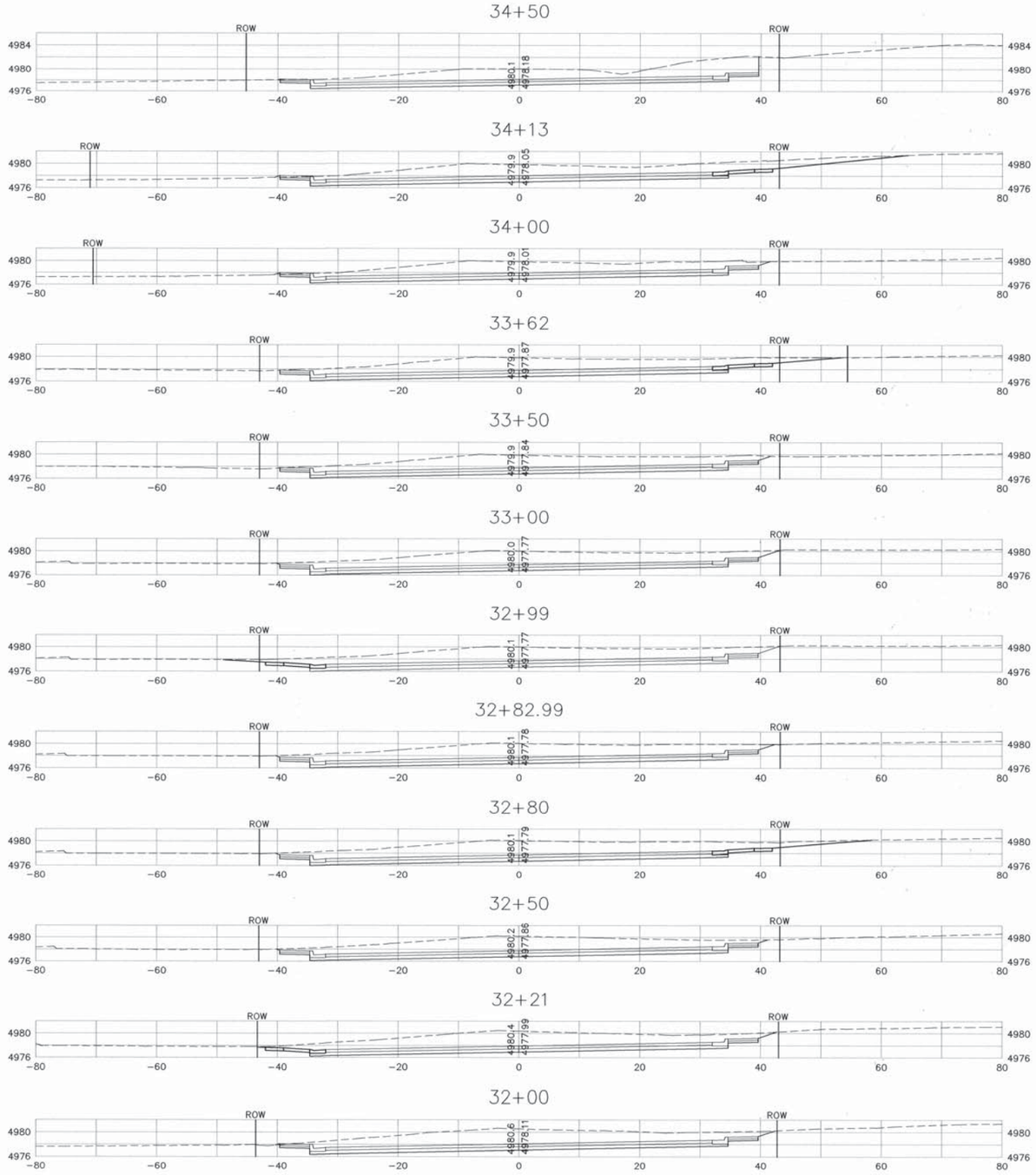

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER

WORK STAKED BY SOUDER, MILLER 3/09 DATE

INSPECTION & CONSTRUCTION STAKING BY BCPWD 3/09 DATE

FIELD VERIFICATION BY BCPWD 3/09 DATE

AS-BUILTS CORRECTED BY P.B. 5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.

NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/1/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY	JB
		DRAWN BY	RJ
		CHECKED BY	NA

	DATE
DESIGNED BY	8/1/07
DRAWN BY	8/1/07
CHECKED BY	8/1/07

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

ROADWAY CROSS SECTIONS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	14-7

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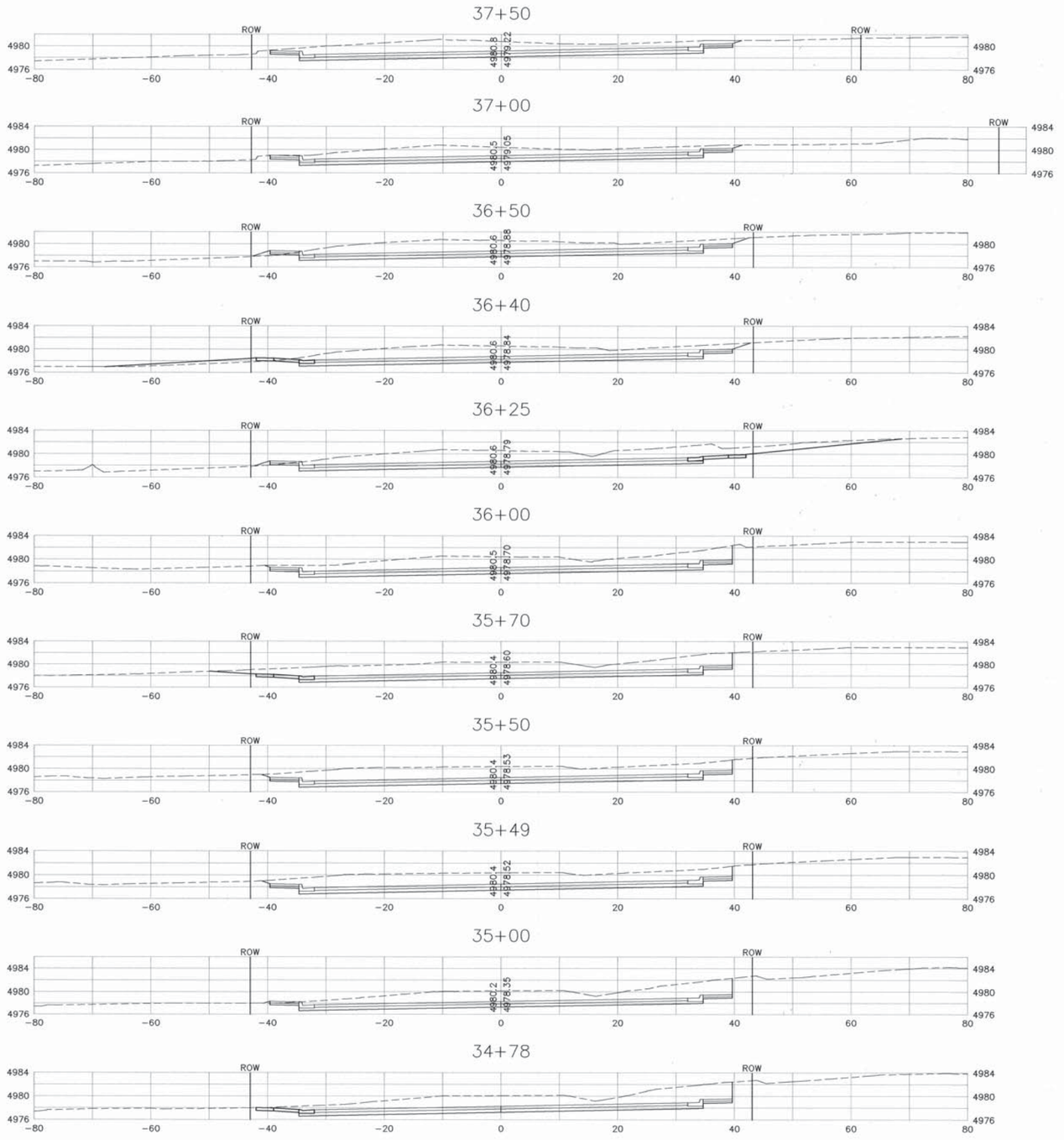

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
ROADWAY CROSS SECTIONS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	14-8

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER

WORK STAKED BY SQUIRE, MILLER 7/08 DATE

INSPECTOR'S ACCEPTANCE BY BCPWD 7/09 DATE

FIELD VERIFICATION BY BCPWD 7/09 DATE

DRAWINGS CORRECTED BY P.B. 7/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE

ENGINEER'S SEAL

JAMES H. BUCHMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/1/07

NO.	DATE	REMARKS	BY

DESIGN

		DATE
DESIGNED BY	JB	8/1/07
DRAWN BY	RJ	8/1/07
CHECKED BY	NA	8/1/07

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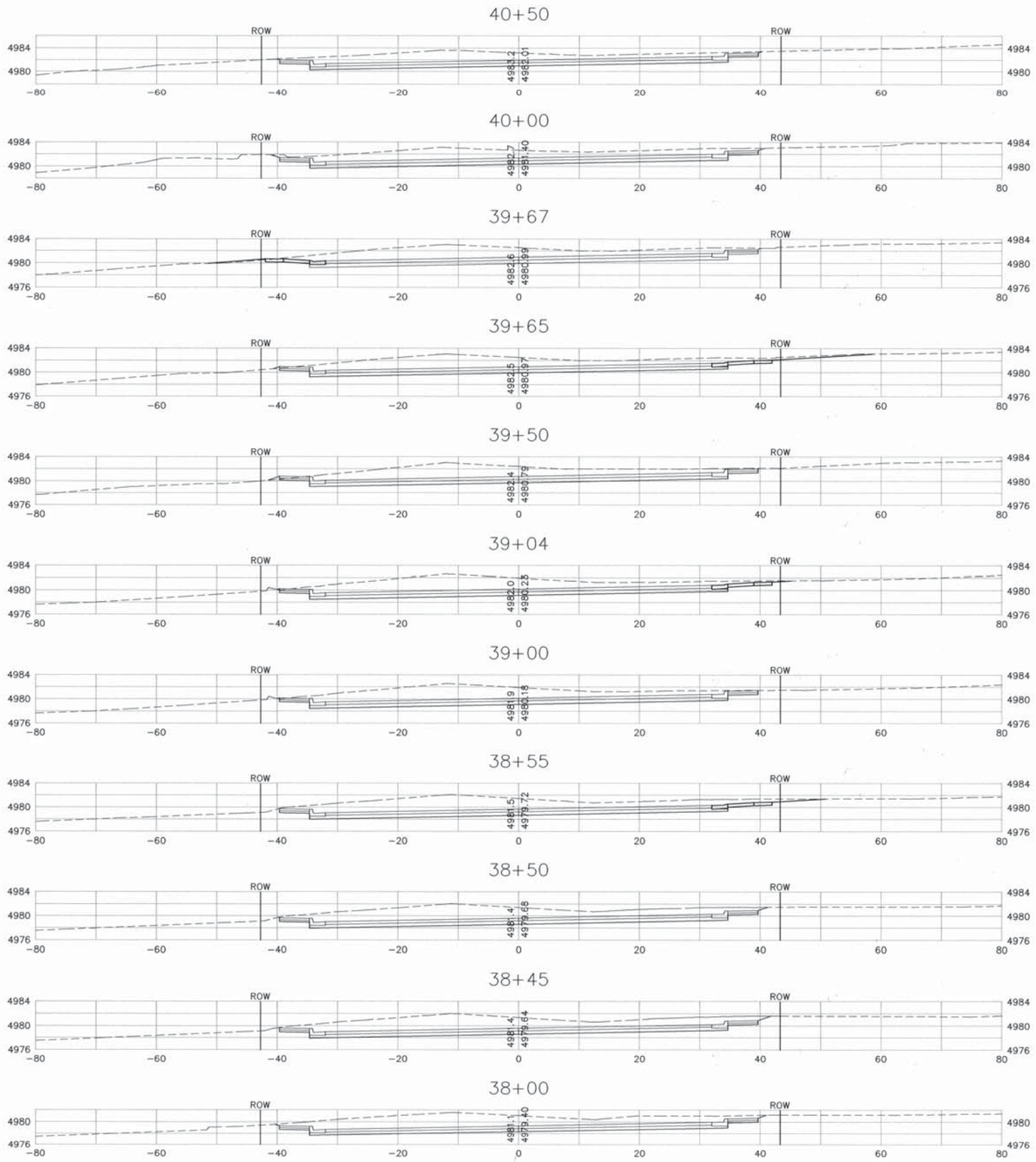

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
ROADWAY CROSS SECTIONS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	14-9

AS BUILT INFORMATION
CONTRACTOR A.S. HAMMER
WORK STAKED BY SOUDER MILLER 7/09 DATE
INSPECTION PERFORMED BY BCPWD 7/09 DATE
FIELD VERIFICATION BY BCPWD 7/09 DATE
DRAWINGS CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JAMES H. BUCHANAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
8/1/07

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	JB	DATE 8/1/07
DRAWN BY	RJ	DATE 8/1/07
CHECKED BY	NA	DATE 8/1/07

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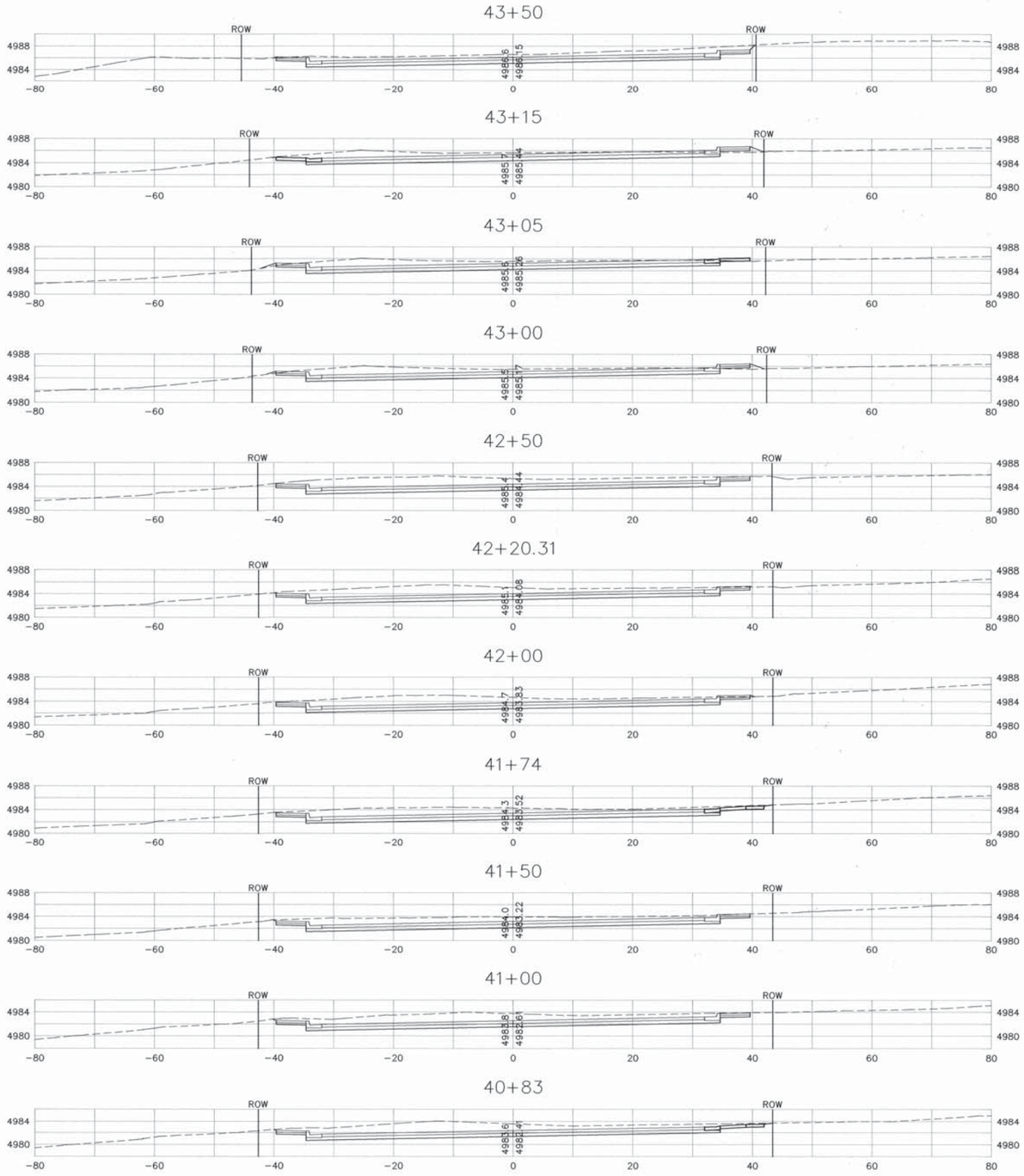

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

ROADWAY CROSS SECTIONS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	14-10

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER
WORK STAKED BY SOUNDER, MILLER 3/08 DATE
INSPECTION BY BSPWD 3/09 DATE
FIELD DATA BY BSPWD 3/09 DATE
VERIFICATION BY BSPWD 3/09 DATE
DRAWINGS CORRECTED BY P.B. 3/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
JAMES H. BUCKMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
9/7/07

NO.	DATE	REMARKS	BY

DESIGN			
DESIGNED BY	JB	DATE	8/1/07
DRAWN BY	RJ	DATE	8/1/07
CHECKED BY	NA	DATE	8/1/07

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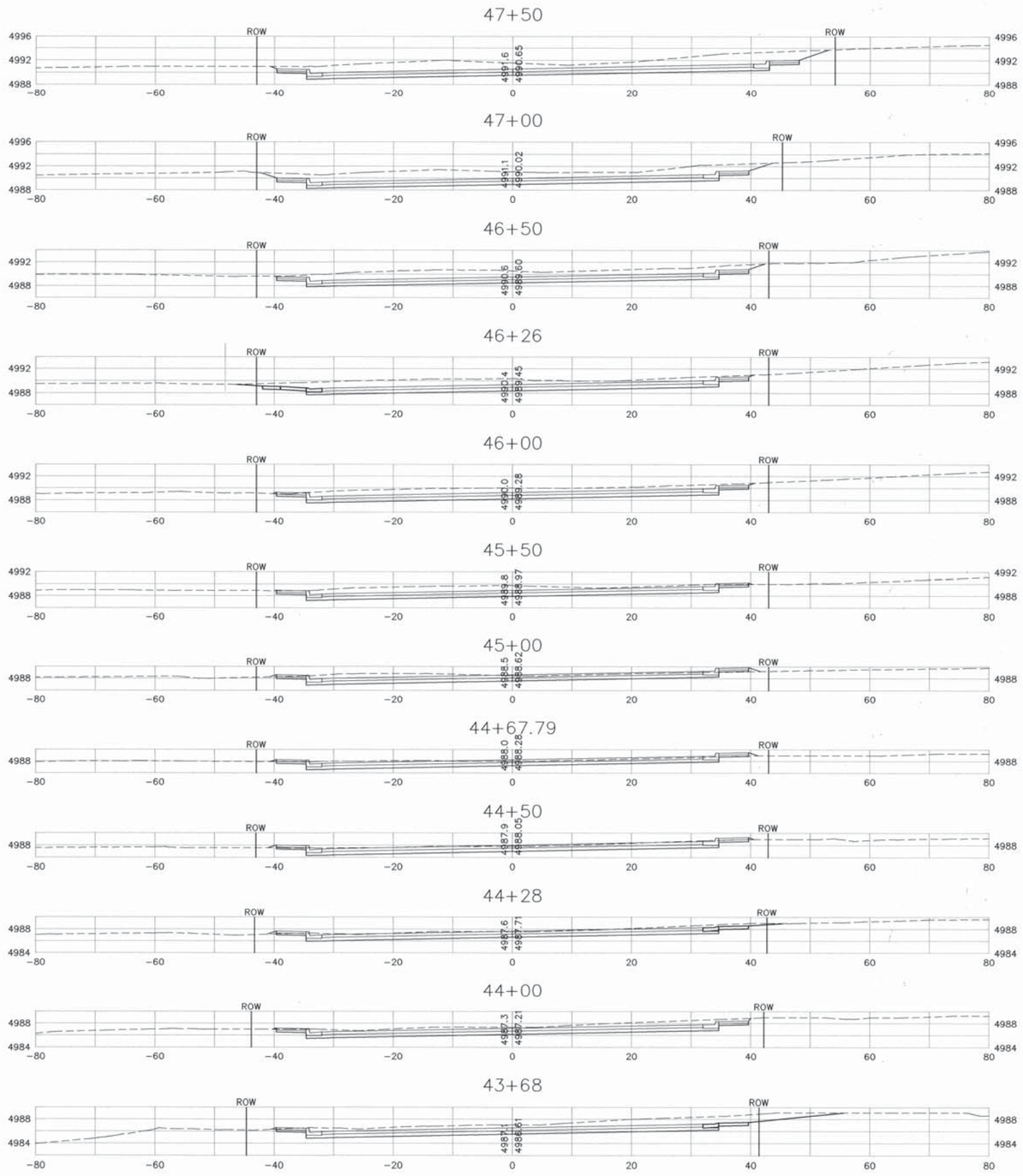

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
ROADWAY CROSS SECTIONS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	14-11

AS BUILT INFORMATION

CONTRACTOR A.S. HAXNER

STAKED BY	SNYDER MILLER Hdg	DATE
INSPECTOR'S		
ACCEPTANCE	BCPWD 1/09	DATE
FIELD		
VERIFICATION BY	BCPWD 1/09	DATE
DRAWINGS		
CORRECTED BY	P.B. 5/09	DATE

MICRO-FILM INFORMATION

RECORDED BY

DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCHMAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
8/7/07

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	JB	DATE 8/1/07
DRAWN BY	RJ	DATE 8/1/07
CHECKED BY	NA	DATE 8/1/07

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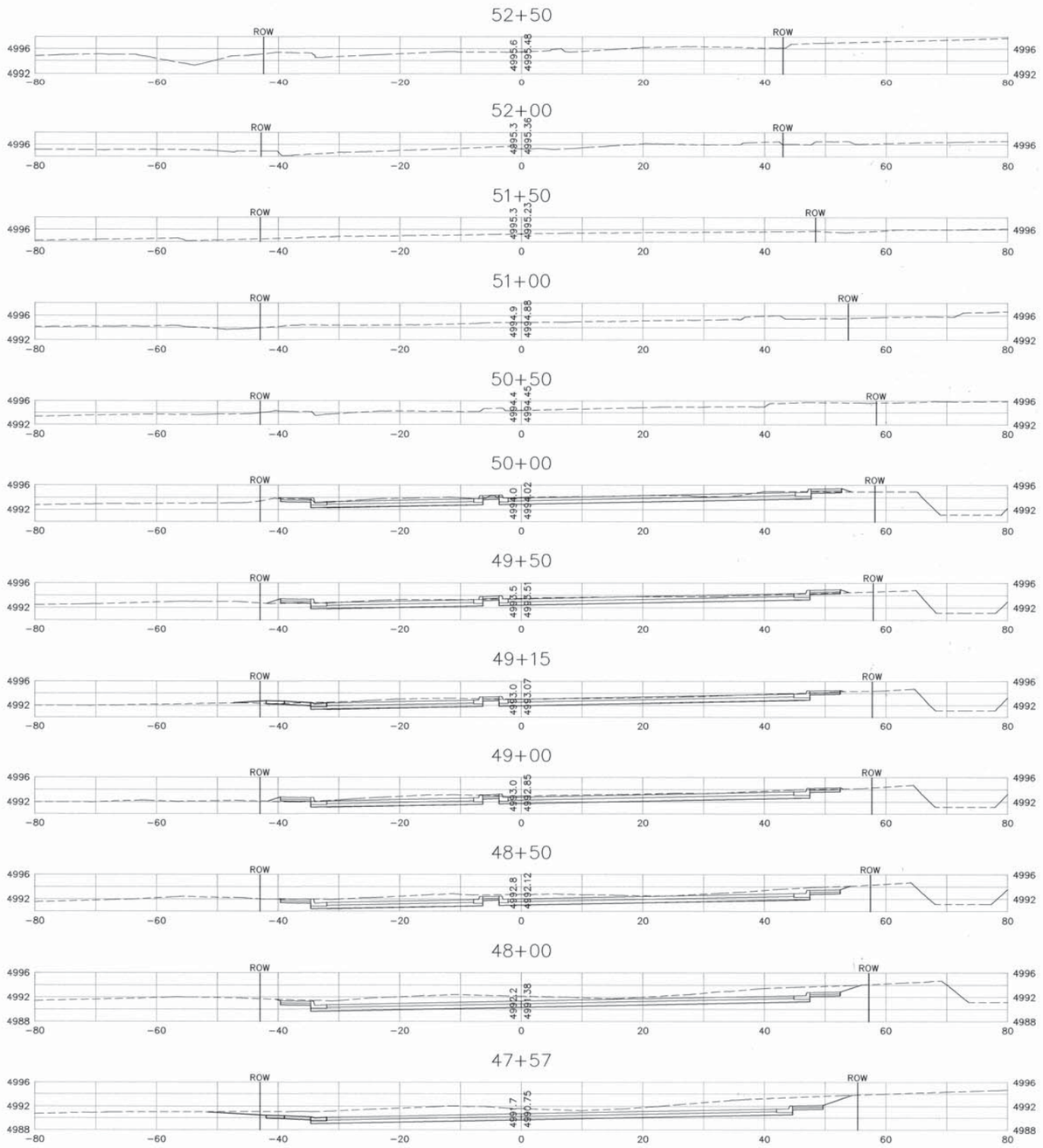

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
ROADWAY CROSS SECTIONS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	14-12

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER

WORK STAKED BY SINGERMILLER 7/08 DATE
INSPECTION & SURVEILLANCE BY BCPWD 1/09 DATE
FIELD VERIFICATION BY BCPWD 1/09 DATE
DRAWINGS CORRECTED BY P.B. 5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JAMES H. BUCHANAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
8/7/07

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY JB	DATE 8/1/07
		DRAWN BY RJ	DATE 8/1/07
		CHECKED BY NA	DATE 8/1/07

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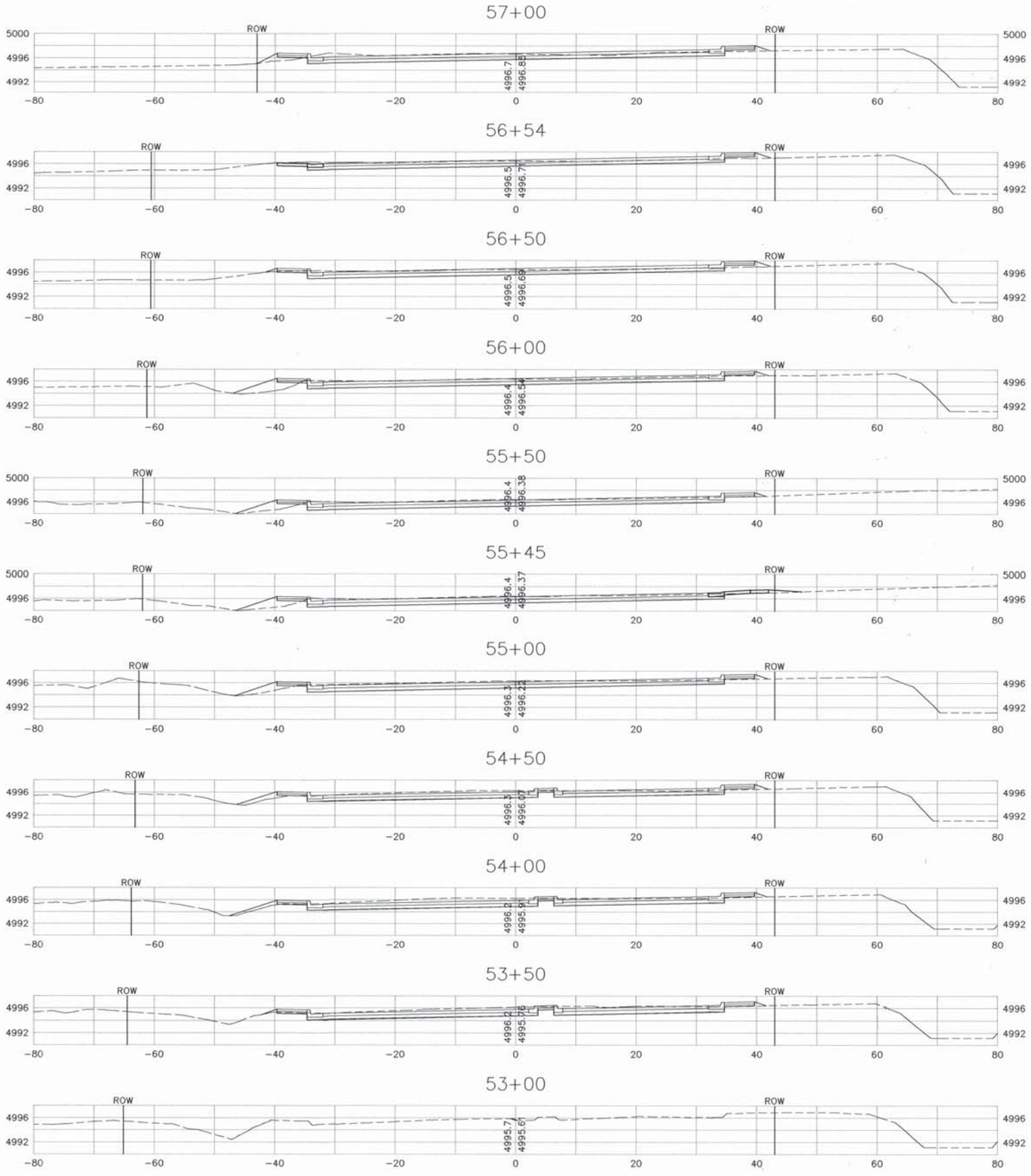

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

ROADWAY CROSS SECTIONS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 14-13

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SOUDER MILLER 1/08 DATE
INSPECTION PERF. BY BDPWD 1/09 DATE
FIELD CHANGES BY BDPWD 1/09 DATE
VERIFICATION BY PB. 1/09 DATE
CORRECTED BY PB.
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
JAMES H. BUCHANAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
8/7/07

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	JB	DATE 8/1/07
DRAWN BY	RJ	DATE 8/1/07
CHECKED BY	NA	DATE 8/1/07

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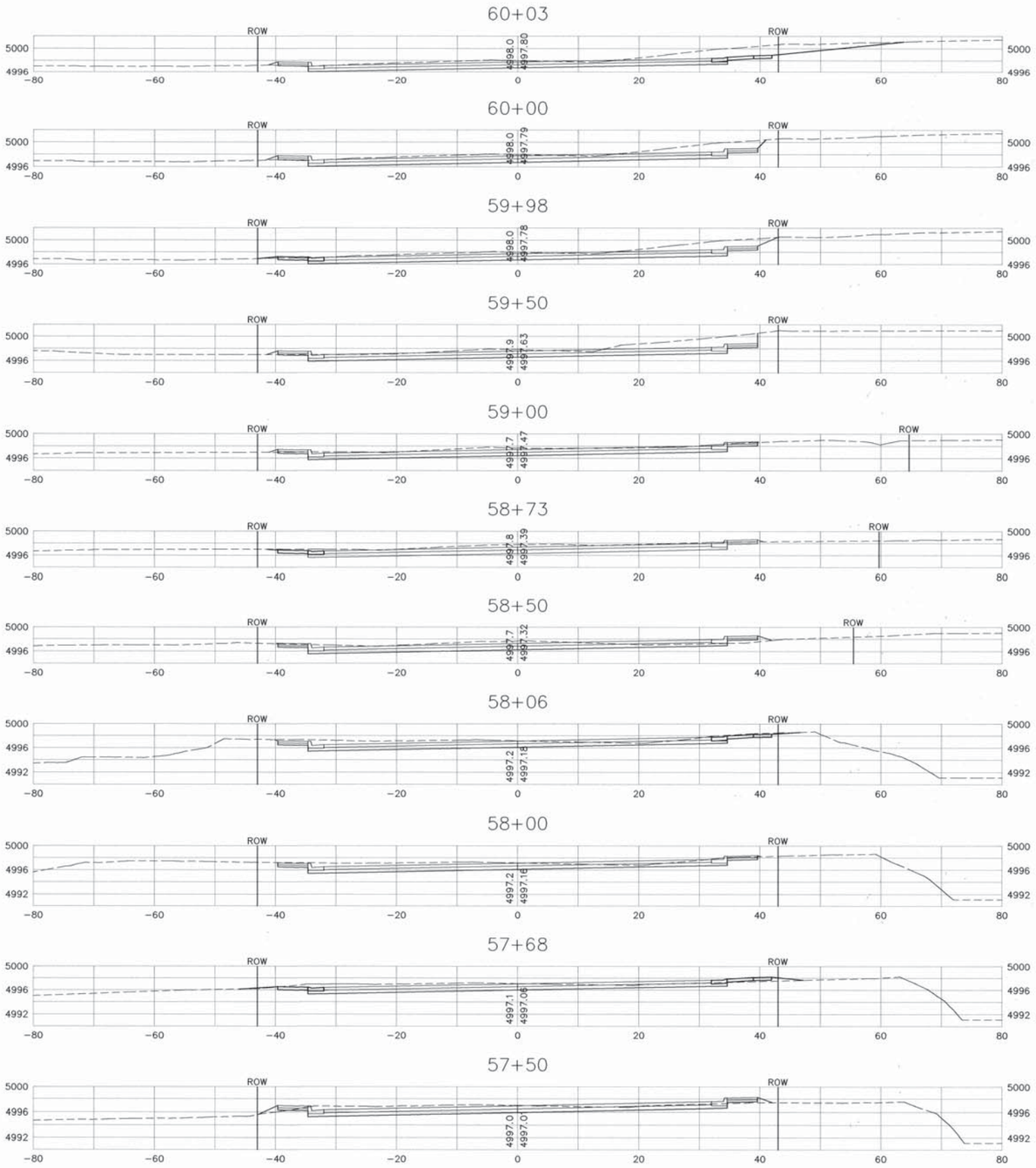

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

ROADWAY CROSS SECTIONS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	14-14

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER DATE
WORK STAKED BY SAUER MILLER JOB DATE
INSPECTOR'S FIELD CHANGE BY BCPWD 1/09 DATE
FIELD VERIFICATION BY BCPWD 1/09 DATE
FINAL DRAWING CORRECTED BY P.B. 3/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

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NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

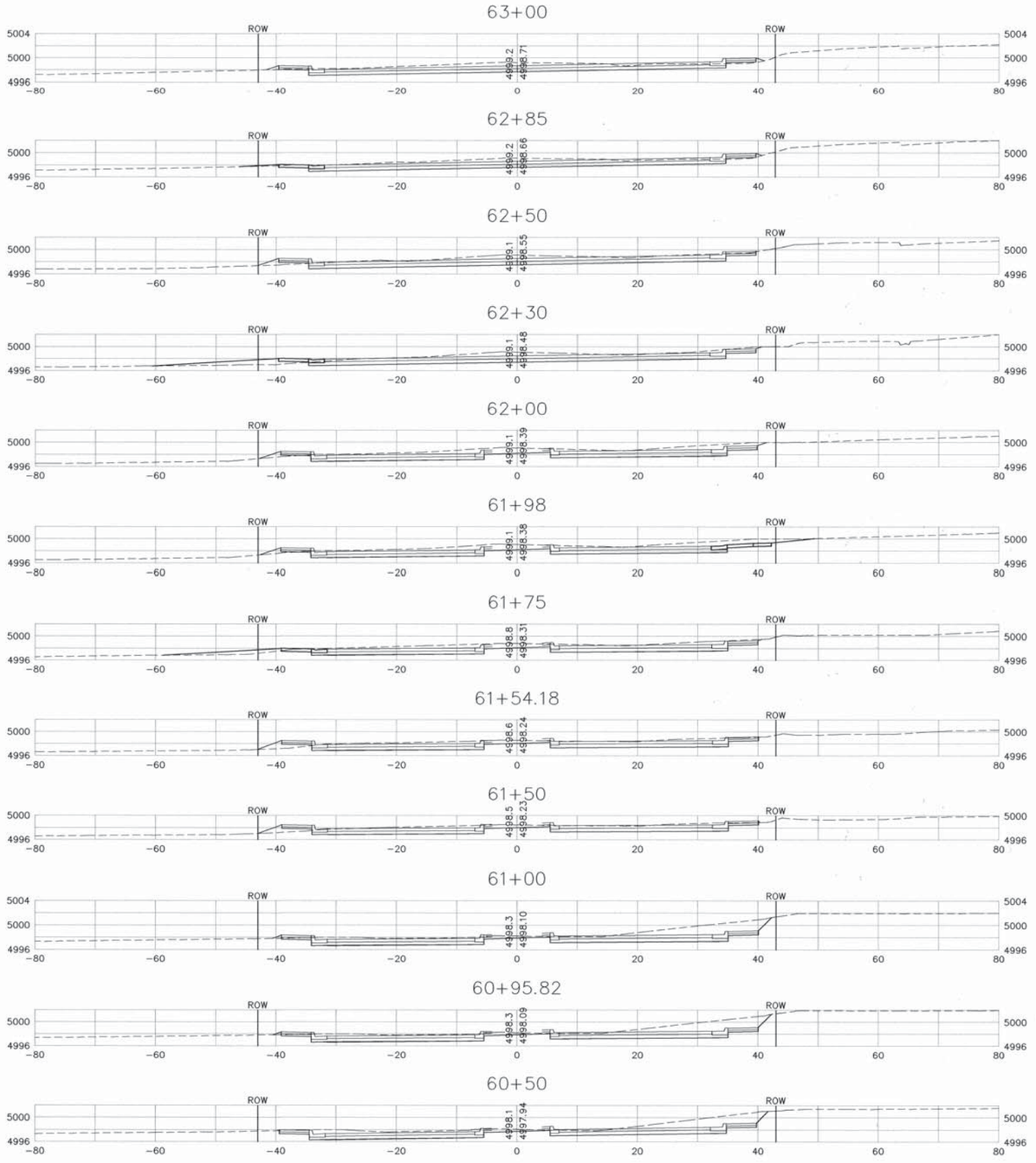
ENGINEER'S SEAL

JAMES H. BUCHANAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/1/07

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	JB	DATE 8/1/07
DRAWN BY	RJ	DATE 8/1/07
CHECKED BY	NA	DATE 8/1/07



GRAPHIC SCALE

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(IN FEET)
1 inch = 10 ft.

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
ROADWAY CROSS SECTIONS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	14-15

AS BUILT INFORMATION

CONTRACTOR A.S. HORNBE. DATE

WORK PERFORMED BY SNIDER MILLER Inc DATE

INSPECTOR'S OBSERVANCE BY BCPWD 1/09 DATE

FIELD VERIFICATION BY BCPWD 1/09 DATE

DRAWINGS CORRECTED BY P.B. 5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

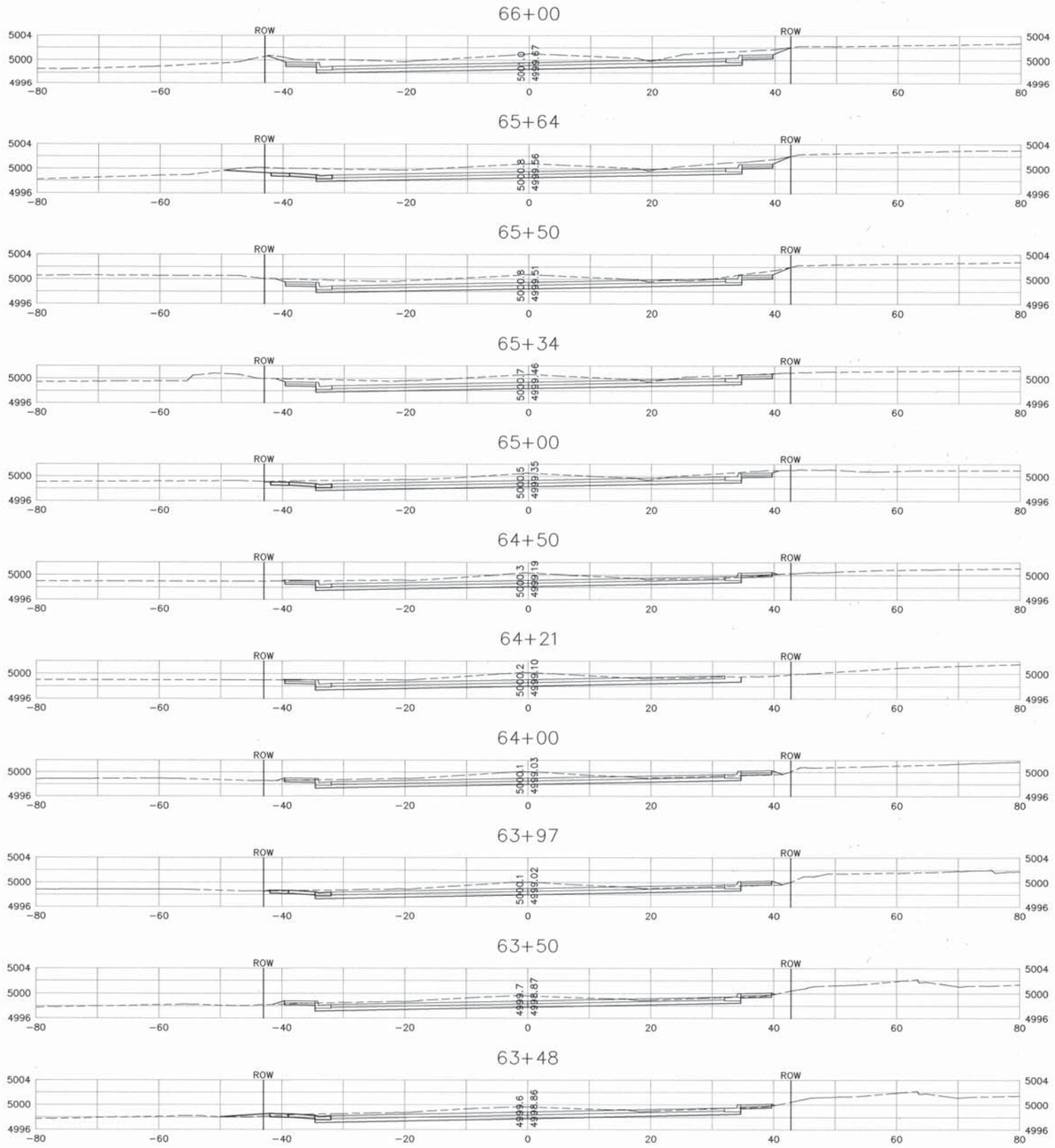
ENGINEER'S SEAL

JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 7/1/07

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	JB	DATE 8/1/07
DRAWN BY	RJ	DATE 8/1/07
CHECKED BY	NA	DATE 8/1/07



GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
ROADWAY CROSS SECTIONS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F–15, G–15	14–16

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER DATE

WORK STAKED BY	CONNOR MILLER	1/08 DATE
INSPECTOR'S FIELD PLANS	BCPWD	1/10 DATE
FIELD VERIFICATION BY	BCPWD	1/29 DATE
DRAWINGS CORRECTED BY	P. B.	5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

NO.	DATE	BY	FIELD NOTES

ENGINEER'S SEAL

JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/1/07

NO.	DATE	BY	REMARKS

DESIGN

DESIGNED BY	JB	8/1/07 DATE
DRAWN BY	RJ	8/1/07 DATE
CHECKED BY	NA	8/1/07 DATE

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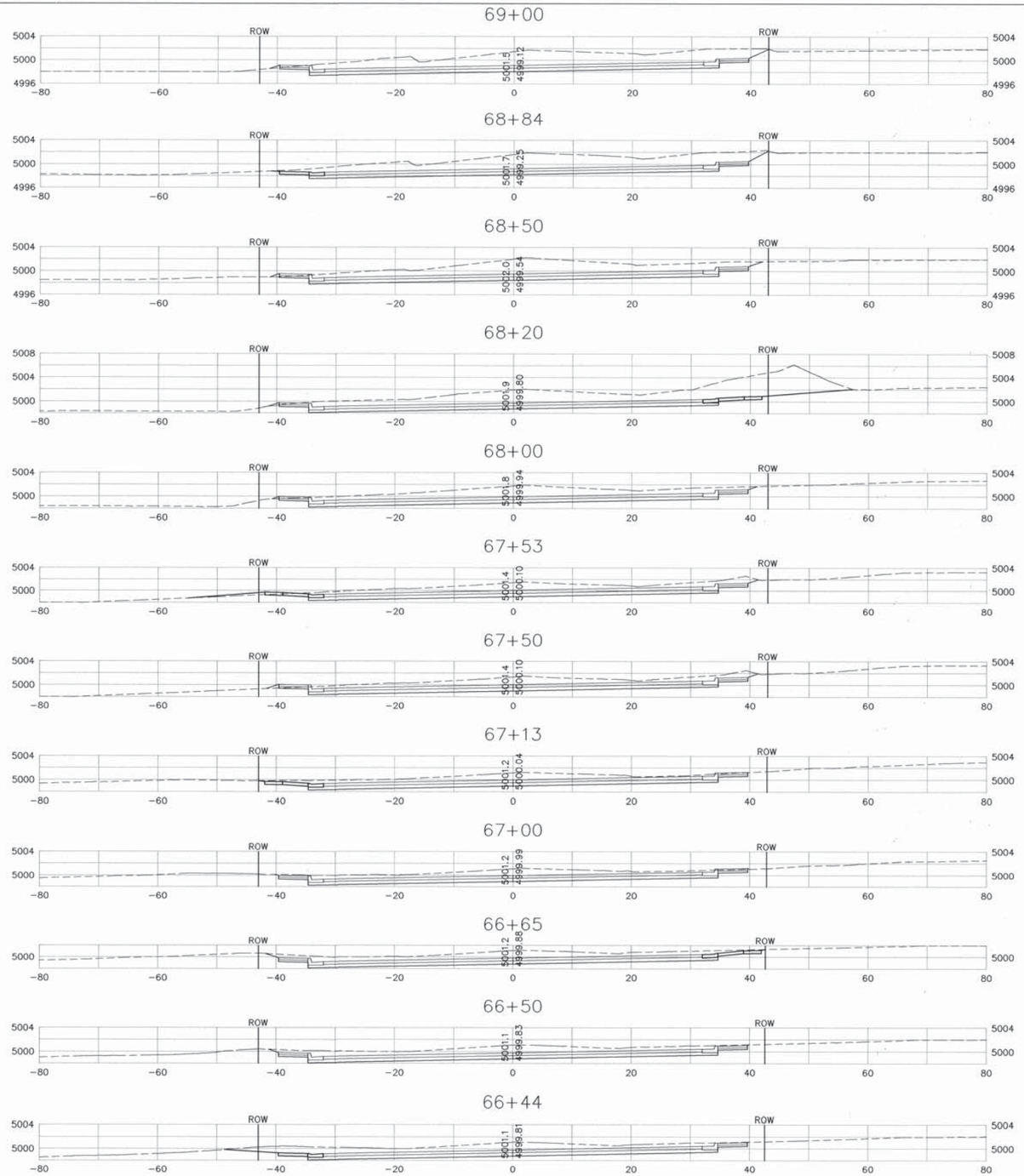

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

RECORD DRAWING

PB Parsons Brinckerhoff

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER DATE

WORK STAKED BY SNIDER RIVER 3/08 DATE

STAMPED BY B.C.P.W.D. 3/09 DATE

ASPECTOR

FIELD VERIFICATION BY B.C.P.W.D. 3/09 DATE

DRAWINGS CORRECTED BY P.B. 5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.

NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 4/1/08

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	JB	DATE	8/1/07
DRAWN BY	RJ	DATE	8/1/07
CHECKED BY	NA	DATE	8/1/07

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

ROADWAY CROSS SECTIONS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	14-17

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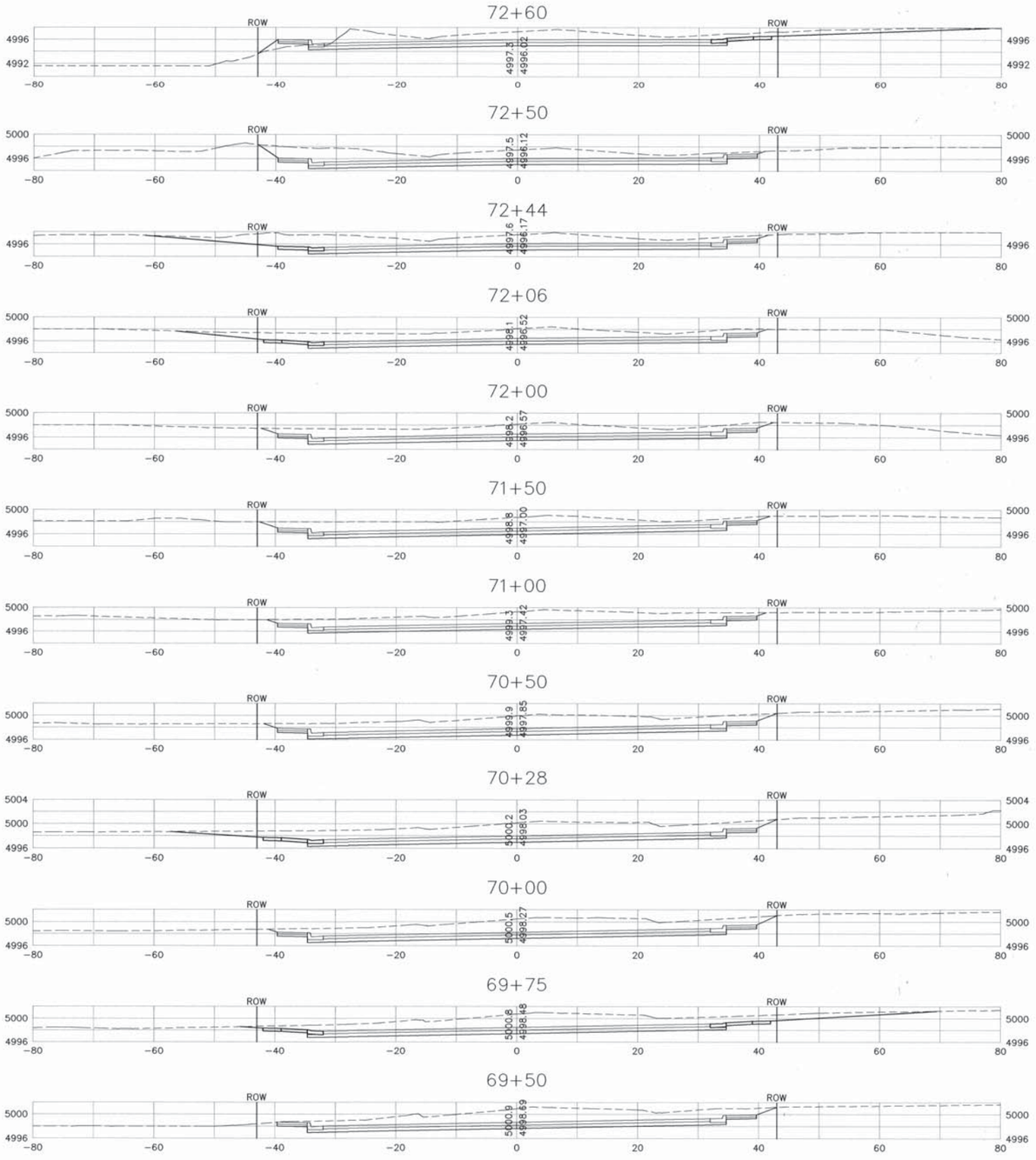

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER.

STAKED BY SHAFER MILLER 7/09 DATE

INSPECTOR'S ACCEPTANCE BY BCPWD 1/09 DATE

FIELD VERIFICATION BY BCPWD 1/09 DATE

DRAWING CORRECTED BY P.B. 7/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 7/7/09

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	JB	DATE 8/1/07
DRAWN BY	RJ	DATE 8/1/07
CHECKED BY	NA	DATE 8/1/07

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

ROADWAY CROSS SECTIONS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	14-18

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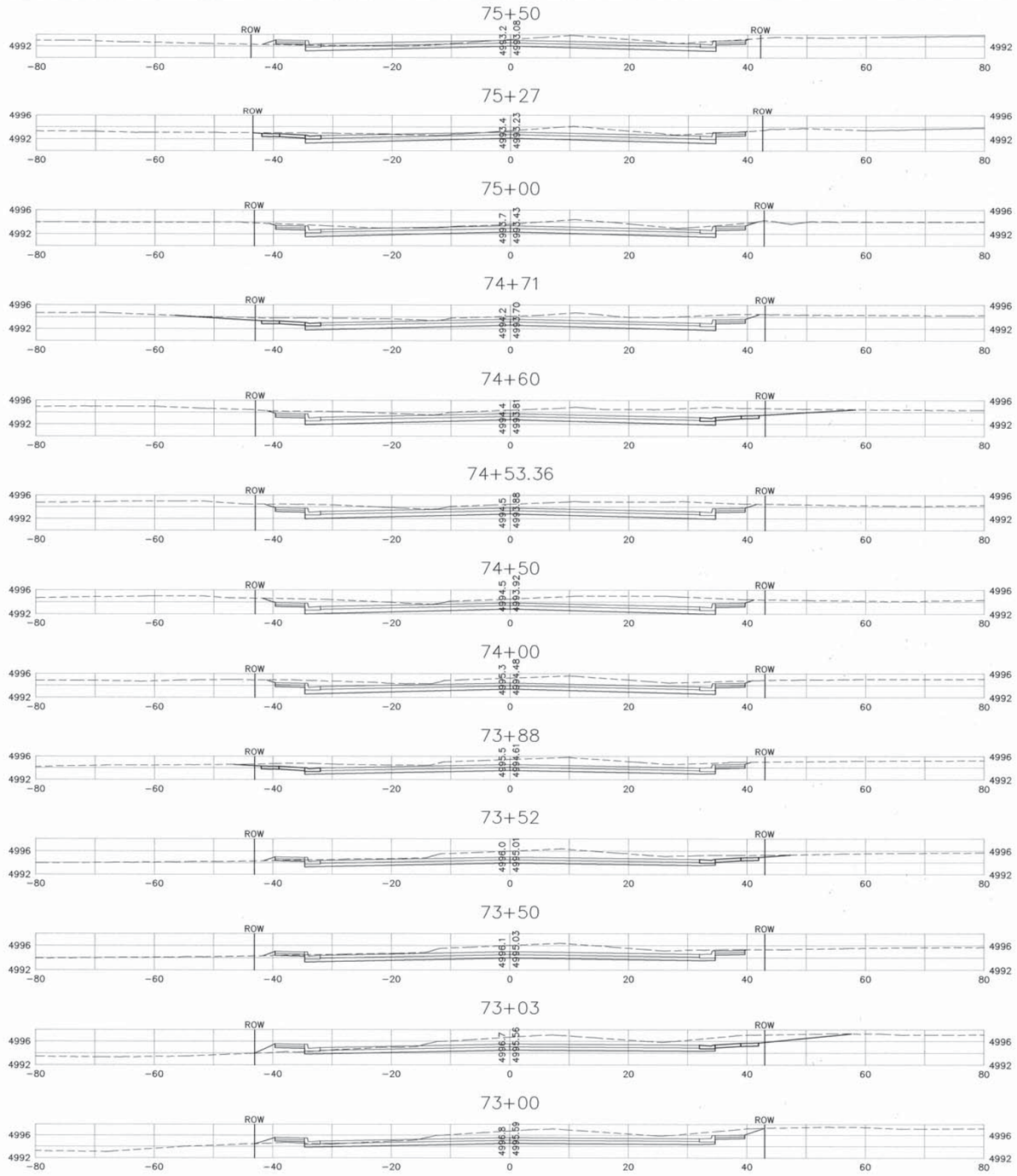

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
ROADWAY CROSS SECTIONS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED AUG 31 2007 DESIGN REVIEW COMMITTEE	APPROVED NOV 14 2007 CITY ENGINEER		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	14-19

AS BUILT INFORMATION

CONTRACTOR A.S. HORNER

WORK STAKED BY SONDER MILLER 3/09 DATE

INSPECTION ACCEPTANCE BY BCPWD 3/09 DATE

FIELD VERIFICATION BY BCPWD 3/09 DATE

FINAL DRAWING CORRECTED BY P.B. 5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCHANAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER 8/1/07

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	JB	8/1/07 DATE
DRAWN BY	RJ	8/1/07 DATE
CHECKED BY	NA	8/1/07 DATE

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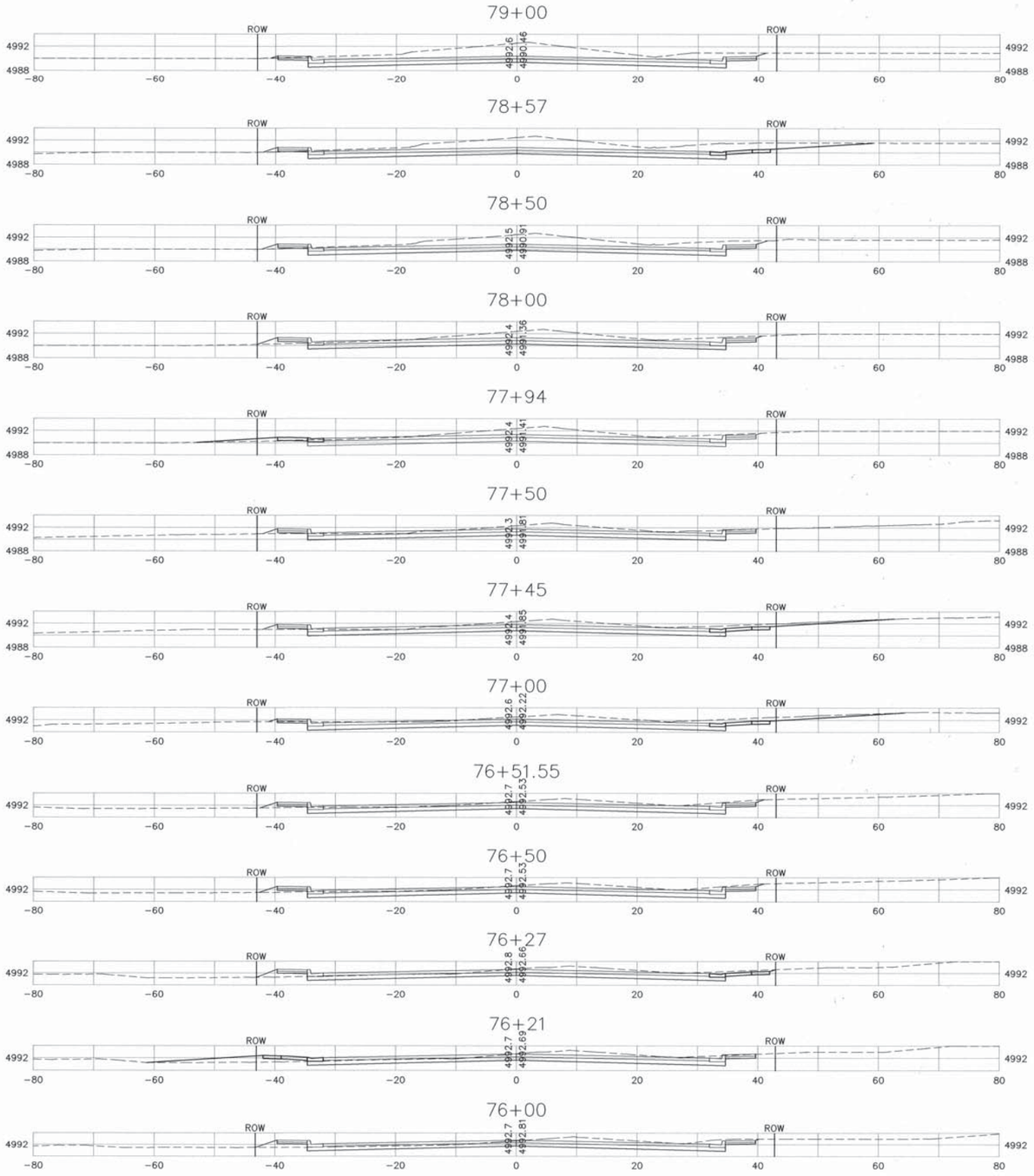

GRAPHIC SCALE

10 0 5 10 20

(IN FEET)
1 inch = 10 ft.

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

ROADWAY CROSS SECTIONS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	14-20

AS BUILT INFORMATION

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

CONTRACTOR A.S. HORNER
WORK STAKED BY SAUER-MILLER 3/68 DATE
INSPECTION & FIELD CHANGE BY BCPWD 3/69 DATE
FIELD VERIFICATION BY BCPWD 3/69 DATE
AS-BUILTS CORRECTED BY P.B. 5/69 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
JAMES H. BUCHANAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
8/1/07

NO.	DATE	REMARKS	BY

DESIGN

		DATE
DESIGNED BY	JB	8/1/07
DRAWN BY	RJ	8/1/07
CHECKED BY	NA	8/1/07

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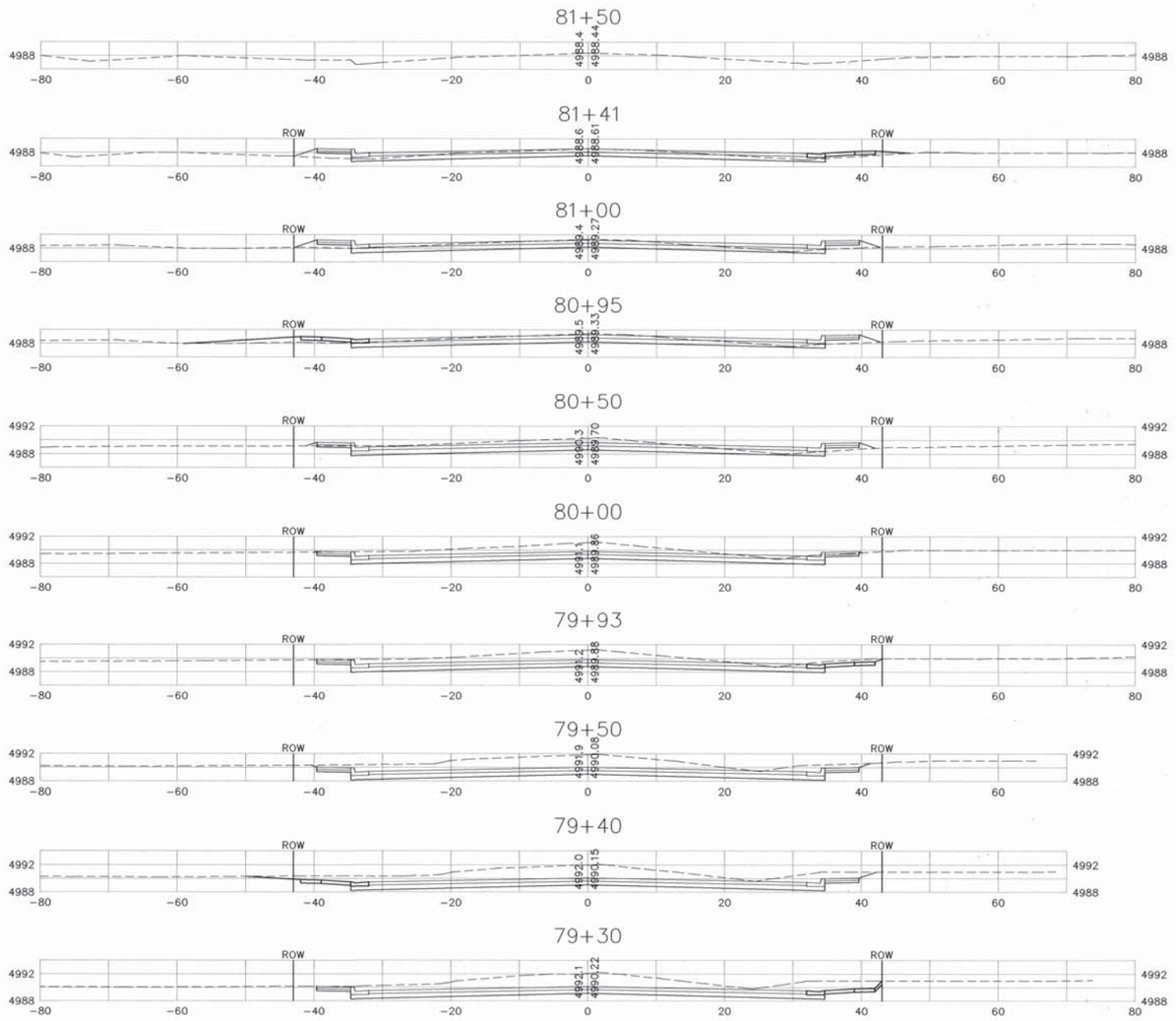

GRAPHIC SCALE

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(IN FEET)
1 inch = 10 ft.

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

ROADWAY CROSS SECTIONS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	14-21

AS BUILT INFORMATION

CONTRACTOR A.S. HARNER

WORK STAKED BY SNIDER MILLER 3/08 DATE

INSPECTOR'S FIELD NOTES BY BC PhD 3/09 DATE

FIELD VERIFICATION BY BC PhD 3/09 DATE

AS BUILT CORRECTED BY P.B. 6/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

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SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

JAMES H. BUCHANAN
NEW MEXICO
13062
REGISTERED PROFESSIONAL ENGINEER
8/1/07

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	JB	8/1/07 DATE
DRAWN BY	RJ	8/1/07 DATE
CHECKED BY	NA	8/1/07 DATE

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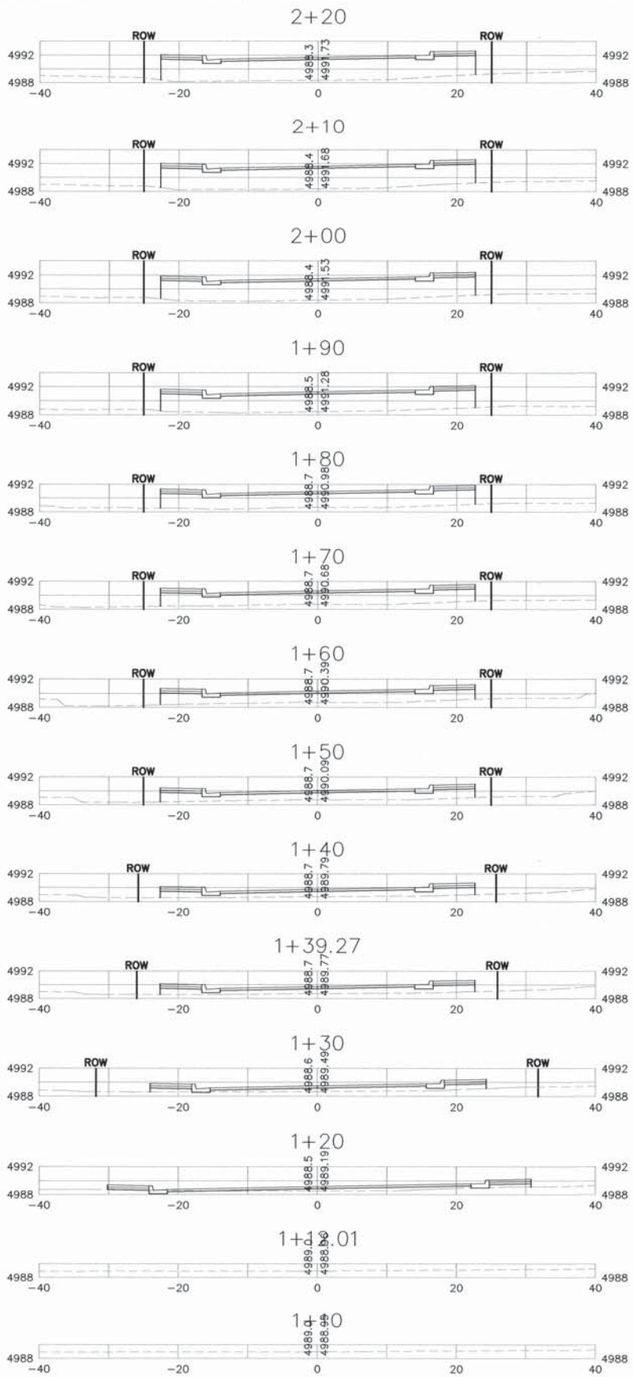

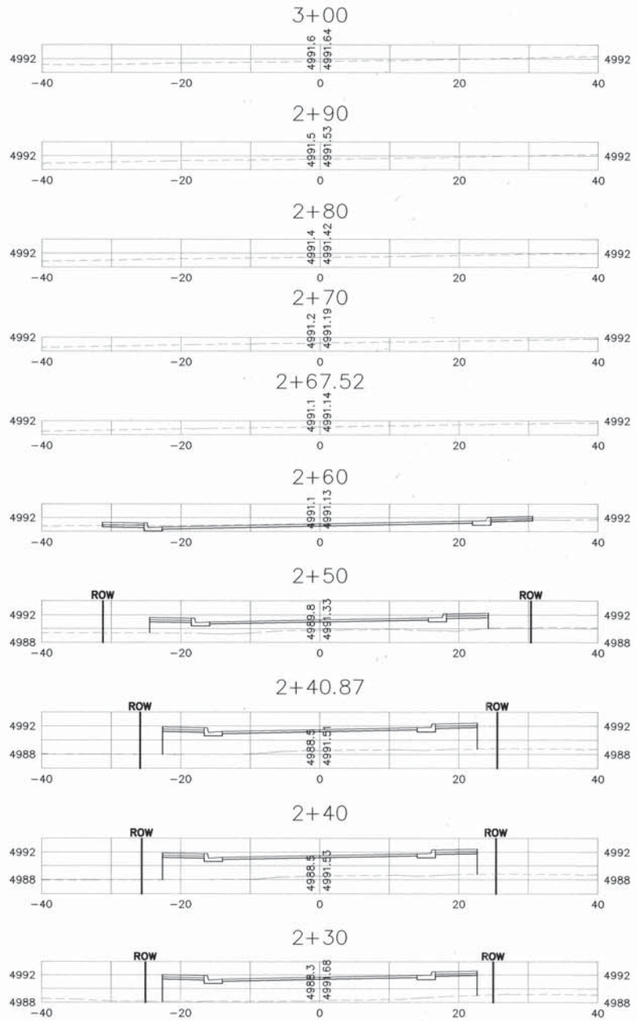

GRAPHIC SCALE

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(IN FEET)
1 inch = 10 ft.

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION

TAHOE DRIVE ROADWAY CROSS SECTIONS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	14-22

AS BUILT INFORMATION
CONTRACTOR A.S. HORNER
WORK STAKED BY SAGER MILLER 3/08 DATE
INSPECTOR'S FIELD NOTES BY BEPWD 3/07 DATE
FIELD CHANGES BY BEPWD 3/07 DATE
VERIFICATION BY
CONTRACTOR'S CORRECTIONS BY F.B. 8/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
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NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

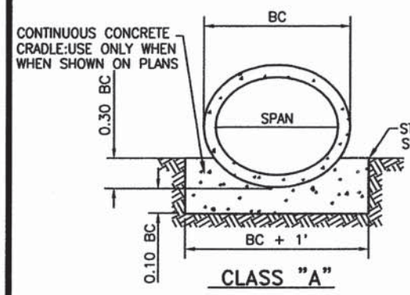
ENGINEER'S SEAL
JAMES H. BUCKMAN NEW MEXICO 13062 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY JB	DATE 8/1/06
		DRAWN BY BR	DATE 8/1/06
		CHECKED BY NA	DATE 8/2/06

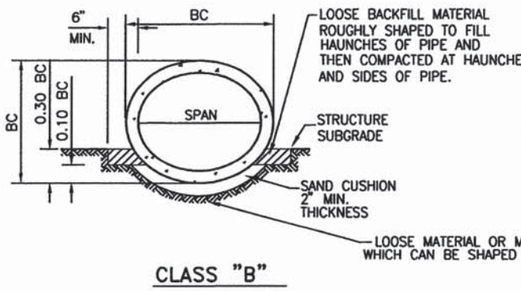
MAXIMUM HEIGHT OF FILL OVER REINFORCED CONCRETE ELLIPTICAL AND ARCH PIPE

PIPE CLASS	HE-A (ELLIPTICAL)									HE-I (ELLIPTICAL)									HE-II (ELLIPTICAL) & A-II (ARCH)						HE-III (ELLIPTICAL) & A-III (ARCH)		
BEDDING CLASS	CLASS A BEDDING			CLASS B BEDDING			CLASS C BEDDING			CLASS A BEDDING			CLASS B BEDDING			CLASS C BEDDING			CLASS B BEDDING			CLASS C BEDDING			CLASS C BEDDING		
INSTALL. COND.	P=0.0	P=1.0	TRENCH	P=0.0	P=0.7	TRENCH	P=0.0	P=0.9	TRENCH	P=0.0	P=1.0	TRENCH	P=0.0	P=0.7	TRENCH	P=0.0	P=0.9	TRENCH	P=0.0	P=0.7	TRENCH	P=0.0	P=0.9	TRENCH	P=0.0	P=0.9	TRENCH
MAX. FILL HT.	14'	11'	14'	10'	8'	10'	8'	6'	8'	19'	15'	19'	13'	10'	13'	11'	8'	11'	16'	13'	16'	13'	10'	13'	18'	13'	18'

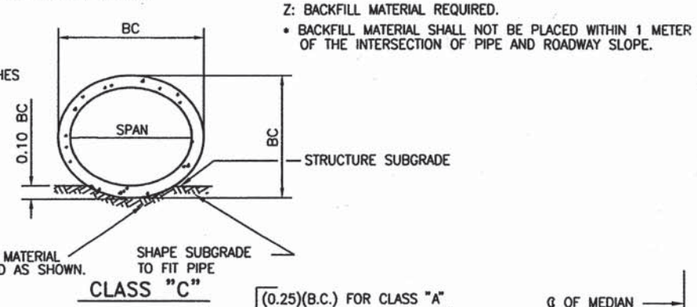
NOTE: FOR PROJECTION RATIO WHEN "P" IS GREATER THAN ZERO AND LESS THAN ONE, ALLOWABLE FILL HEIGHTS MAY BE DETERMINED BY INTERPOLATION.



CLASS "A"



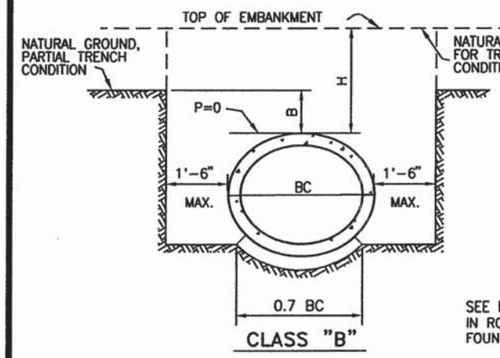
CLASS "B"



CLASS "C"

Z: BACKFILL MATERIAL REQUIRED.

• BACKFILL MATERIAL SHALL NOT BE PLACED WITHIN 1 METER OF THE INTERSECTION OF PIPE AND ROADWAY SLOPE.



CLASS "B"

FORMULA

ALLOWABLE FILL $= H_e - B/H(H_e - H)$

WHERE:

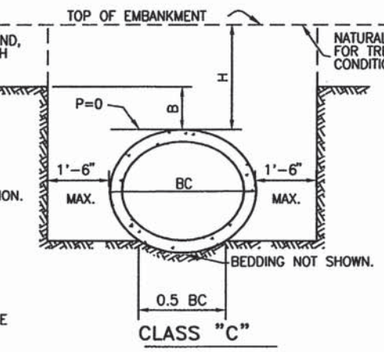
H_e = H FOR P=0.

H_T = H FOR TRENCH CONDITION.

H=FILL OVER PIPE.

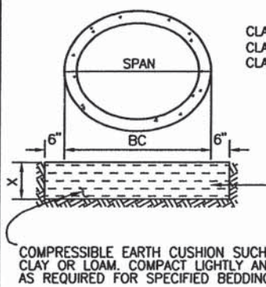
B=DISTANCE FROM TOP OF PIPE TO NATURAL GROUND.

SEE DETAILS BELOW FOR BEDDING IN ROCK OR OTHER INCOMPRESSIBLE FOUNDATION.



CLASS "C"

BEDDING DETAILS FOR PIPE IN TRENCH OR PARTIAL TRENCH

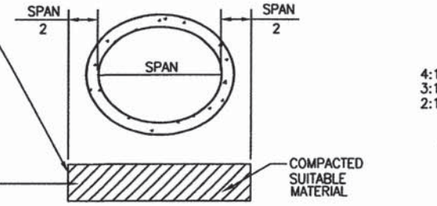


CLASS "A": BOTTOM OF CONCRETE CRADLE.
CLASS "B": BOTTOM OF LOOSE FILL MATERIAL.
CLASS "C": SUBGRADE OF STRUCTURE.

X= 1/2" PER FOOT OF "H" FOR CLASS A, B, AND C BEDDING. 6" MIN., (0.75)(BC) MAX.

CLASS "A": BOTTOM OF CONCRETE CRADLE.
CLASS "B" & C": BOTTOM OF CONCRETE PIPE.
FOR DETAILS ABOVE THIS PLANE SEE SPECIFIC CLASS OF BEDDING.

ADDITIONAL CUSHION FOR INCOMPRESSIBLE FOUNDATION



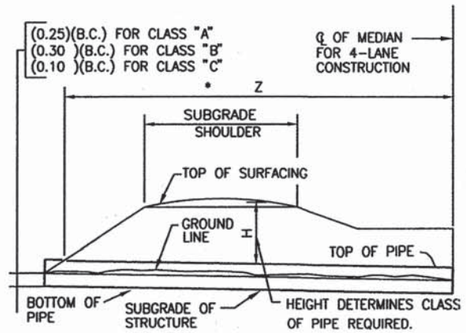
UNSUITABLE FOUNDATION MATERIAL SHALL BE REMOVED AS DIRECTED BY THE PROJECT MANAGER AND THE EXCAVATION AREA BACKFILLED AS SHOWN.

FOUNDATION STABILIZATION

ALLOWABLE FILL INTERPOLATION METHOD FOR PARTIAL TRENCH CONDITION

(0.25)(B.C.) FOR CLASS "A"
(0.30)(B.C.) FOR CLASS "B"
(0.10)(B.C.) FOR CLASS "C"

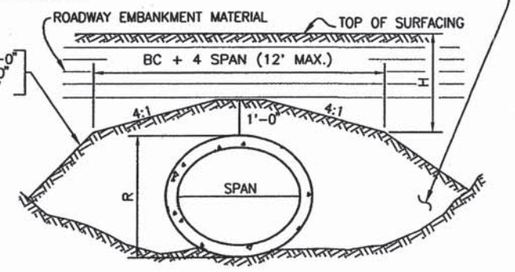
℄ OF MEDIAN FOR 4-LANE CONSTRUCTION



ROADWAY EMBANKMENT CROSS SECTION

BACKFILL MATERIAL COMPACTED TO 100% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T99, IN LAYERS NOT TO EXCEED 8" IN THICKNESS.

4:1 FOR R LESS THAN 3'-0"
3:1 FOR R=3'-0" TO 4'-0"
2:1 R LARGER THAN 4'-1"



BACKFILL REQUIREMENTS SHOWN ABOVE SHALL NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR OF THEIR OBLIGATION REGARDING DAMAGE TO CULVERT PIPE.

BACKFILL DETAIL

DESIGN DATA

DESIGN ACCORDING TO COMPLETE PIPE DESIGN MANUAL. AND AASHTO SPECIFICATIONS M 206 AND M 207.
WEIGHT OF FILL MATERIAL: 120 LBS. PER CUBIC FOOT
SAFETY FACTOR: 1.33 (APPLIED TO ULTIMATE 3 EDGE BEARING LOAD)
SETTLEMENT RATIO: 0.7

NOTES:

1. FOR FILL HEIGHTS GREATER THAN 100 FEET, FOUNDATION MATERIAL SHALL BE INVESTIGATED FOR ITS BEARING CAPACITY.
2. FOR PROJECTION RATIOS, (P), GREATER THAN ZERO AND LESS THAN ONE, ALLOWABLE FILL MAY BE DETERMINED BY INTERPOLATION. WHEN THE NATURAL GROUND IS ABOVE TOP OF PIPE AND BELOW TOP OF EMBANKMENT, ALLOWABLE FILL HEIGHTS ARE COMPUTED FROM DETAILS AND FORMULAS SHOWN BELOW.
3. "P" IS THE RATIO OF THE PIPE PROJECTION ABOVE NATURAL GROUND TO BC.
   P=0, WHEN NATURAL GROUND IS AT TOP OF PIPE.
   P=1, WHEN NATURAL GROUND IS AT BOTTOM OF PIPE.
   WHEN NATURAL GROUND IS ABOVE TOP OF PIPE, THE INSTALLATION IS FULL OR PARTIAL TRENCH CONDITION.

GENERAL NOTES

1. CONCRETE PIPE SHALL CONFORM TO ALL REQUIREMENTS OF AASHTO SPECIFICATION M 206 AND M 207.
2. THE MINIMUM HEIGHT OF FILL BETWEEN TOP OF PIPE AND FINISHED ROADWAY GRADE SHALL BE 1.75 FEET FOR UNPAVED ROADS AND BITUMINOUS PAVED ROADS AND 1.25 FEET FOR CONCRETE PAVED ROADS.
3. SAND CUSHION FOR CLASS "B" BEDDING TO BE INCLUDED IN UNIT PRICE BID FOR CONCRETE PIPE.
4. SUITABLE MATERIAL FOR STABILIZING THE CULVERT FOUNDATION SHALL CONSIST OF MATERIAL APPROVED BY THE PROJECT MANAGER. THE MATERIAL MAY BE OBTAINED FROM ROADWAY, STRUCTURE EXCAVATION, OR FROM BORROW. THE DEPTH OF SUCH MATERIAL SHALL BE DETERMINED BY THE PROJECT MANAGER IN THE FIELD AFTER EXAMINATION OF THE NATURAL FOUNDATION MATERIAL, CONSIDERING THE DIAMETER OF THE PIPE AND HEIGHT OF COVER.
5. FOR MULTIPLE INSTALLATIONS, PIPES SHALL BE SPACED TO PROVIDE 2 FEET CLEAR DISTANCE BETWEEN END SECTIONS, SEE 570-02-1/2, 570-02-2/2. THE CENTER TO CENTER SPACING OF PIPES SHALL BE THE OUTSIDE DIAMETER PLUS 3 FEET.
6. EXISTING GROUND UNDER PIPE BEDDING SHALL BE BROKEN UP AND COMPACTED TO A MINIMUM DEPTH OF 6" REGARDLESS OF FILL HEIGHT. COMPACTION SHALL BE 95% OF MAXIMUM DENSITY PER AASHTO T-99.
7. PIPE BEDDING DETAILS ARE SHOWN FOR ELLIPTICAL PIPE. ARCH PIPE DETAILS ARE SIMILAR.
8. BACKFILL MATERIAL SHALL CONFORM TO SECTION 206 OF THE STANDARD SPECIFICATION.

RECORD DRAWING

NO.	DATE	REV. BY	DESCRIPTION
			REVISIONS (OR CHANGE NOTICES)

NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

FILL HEIGHT AND BEDDING DETAILS FOR ELLIPTICAL CONCRETE PIPE AND CONCRETE PIPE ARCH

APPROVED _____ DESIGN ENGINEER 11-29-04 DATE

DESIGNED BY___ DRAWN BY ___ CHECKED BY ___

206-02-1/1

TABLE 5-A

STEEL SPIRAL RIB PIPE-ARCH
3/4" x 3/4" x 7 1/2" AND 3/4" x 1" x 11 1/2"

SPAN & RISE (INCHES)	MINIMUM SPECIFIED THICKNESS REQUIRED (INCHES)	MAXIMUM COVER (FT.) OVER PIPE ARCH FOR A SOIL CORNER BEARING CAPACITY OF 2 TONS/FT.^{2}	MINIMUM COVER (INCHES) H20, OR H25
20 X 16	0.064	13	12
23 X 19	0.064	14	12
27 X 21	0.064	13	12
33 X 26	0.064	13	12
40 X 31	0.064	13	12
46 X 36	0.064	14	12
53 X 41	0.064	(13)	18
60 X 46	0.079	20	18
66 X 51	0.079	(21)	18
73 X 55	0.109	21	18
81 X 59	0.109	(17)	18
87 X 63	0.109	(17)	18
95 X 67	0.109	[17]	18

NOTES:
1. BACKFILL AND BEDDING MATERIAL SHALL CONFORM TO SECTION 206.
2. ( ) REQUIRES TYPE II INSTALLATION IN ACCORDANCE WITH AASHTO T145.
3. [ ] REQUIRES TYPE III INSTALLATION IN ACCORDANCE WITH AASHTO T145.
4. SEE "HANDBOOK OF STEEL DRAINAGE & HIGHWAY CONSTRUCTION PRODUCTS" BY THE AMERICAN IRON AND STEEL INSTITUTE, 1994 EDITION, FOR DETAIL ON TYPE I, II AND III INSTALLATIONS.

TABLE 6-A

CORRUGATED STEEL PIPE, PIPE-ARCH
2" X 1/2" CORRUGATION

EQUIV. DIAMETER (INCHES)	SPAN (INCHES)	RISE (INCHES)	MINIMUM THICKNESS REQUIRED (INCH)	MAXIMUM DEPTH OF COVER (FT.) OVER PIPE-ARCH FOR SOIL BEARING CAPACITIES IN 2 TONS/FT.^{2}	MINIMUM COVER (INCHES) H20, OR H25
15	17	13	0.064	16	12
18	21	15	0.064	15	12
21	24	18	0.064	15	12
24	28	20	0.064	15	12
30	35	24	0.064	15	12
36	42	29	0.064	15	12
42	49	33	0.079	15	12
48	57	38	0.109	15	12
54	64	43	0.109	15	12
60	71	47	0.138	15	12
66	77	52	0.168	15	12
72	83	57	0.168	15	12

NOTES:
1. THE BACKFILL AROUND THE PIPE-ARCH MUST BE COMPACTED ACCORDING TO DETAIL 206-07-1/1.
2. USE REASONABLE CARE IN HANDLING AND INSTALLATION.

DESIGN DATA

SPECIFICATIONS: AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGES, CURRENT EDITION
DEAD LOAD: 120 POUNDS PER CUBIC FOOT
LIVE LOAD: H-20 OR H-25.
SAFETY FACTORS: 3.0 FOR LONGITUDINAL SEAM STRENGTH 2.0 FOR PIPE WALL BUCKLING. SEE AASHTO SPECIFICATION FOR FLEXIBILITY FACTORS AND SEAM STRENGTH. HELICAL SEAM STRENGTH IS NOT A CONSIDERATION.
BACKFILL: SOIL STIFFNESS COEFFICIENT (k) = 0.22

TABLE 7-A

CORRUGATED STEEL PIPE, PIPE-ARCH 5"x1" AND 3"x1" CORRUGATION

EQUIV. DIAMETER (INCHES)	SIZE (INCHES)	SPAN (INCHES)	RISE (INCHES)	MINIMUM THICKNESS REQUIRED (INCH) 3 X 1	MINIMUM THICKNESS REQUIRED (INCH) 5 X 1	MAXIMUM DEPTH OF COVER (FT.) OVER PIPE-ARCH FOR SOIL BEARING CAPACITIES IN 2 TONS/FT.^{2}	MINIMUM COVER (INCHES) H20, OR H25
54	60 x 46	58 1/2	48 1/2	0.079	0.109	25	15
60	66 x 51	65	54	0.079	0.109	25	15
66	73 x 55	72 1/2	58 1/4	0.079	0.109	24	18
72	81 x 59	79	62 1/2	0.079	0.109	21	18
78	87 x 63	86 1/2	67 1/4	0.079	0.109	20	18
84	95 x 67	93 1/2	71 3/4	0.079	0.109	20	18
90	103 x 71	101 1/2	76	0.079	0.109	20	18
96	112 x 75	108 1/2	80 1/2	0.079	0.109	20	21
102	117 x 79	116 1/2	84 3/4	0.109	0.109	19	21
108	128 x 83	123 1/2	89 1/4	0.109	0.109	19	24
114	137 x 87	131	93 3/4	0.109	0.109	19	24
120	142 x 91	138 1/2	98	0.138	0.138	19	24

NOTES:
1. SOIL BEARING CAPACITY REFERS TO SOIL IN THE REGION OF THE PIPE CORNERS. THE REMAINING BACKFILL AROUND THE PIPE-ARCH MUST BE COMPACTED ACCORDING TO DETAIL 206-07-1/1.
2. USE REASONABLE CARE IN HANDLING AND INSTALLATION.

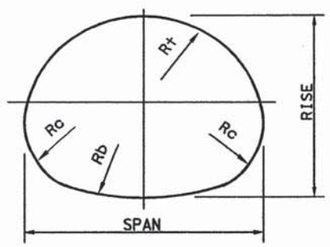
GAUGE	THICKNESS (INCHES)
1	0.280
3	0.249
5	0.218
7	0.188
8	0.168
10	0.138
12	0.109
14	0.079
16	0.064
18	0.052

NOTE:
GAUGES SHOWN ARE "US STANDARD GAUGE" FOR UNCOATED STEEL SHEETS AND PLATES. THICKNESS SHOWN IN INCHES INCLUDE GALVANIZED COATING.

A = ARCH PIPE

GENERAL NOTES

1. WHERE ABRASIVE OR CORROSIVE CONDITIONS EXIST. A HEAVIER WALL THICKNESS OR A PROTECTIVE COATING MAY BE REQUIRED. SEE SECTION 570 FOR CORROSION RESISTANCE NUMBER.
2. THE CONTRACTOR MAY FURNISH A HEAVIER WALL THICKNESS THAN THE MINIMUM SHOWN IN TABLES AT NO ADDITIONAL COST TO THE DEPARTMENT.
3. ALL PIPES SHALL BE PROTECTED BY A COVER OF AT LEAST 3 FEET BEFORE PERMITTING HEAVY CONSTRUCTION EQUIPMENT TO PASS OVER THEM DURING CONSTRUCTION.
4. MINIMUM COVERS SHOWN IN THE TABLES SHALL BE MEASURED FROM THE TOP OF THE PIPE TO THE BOTTOM OF THE FLEXIBLE PAVEMENT OR TO THE TOP OF THE RIGID PAVEMENT. FOR MINIMUM COVERS, A MINIMUM 6" CUSHION OF BACKFILL MATERIAL SHALL BE PROVIDED BETWEEN THE BOTTOM OF THE RIGID PAVEMENT AND THE TOP OF THE PIPE.
5. ALL STEEL CORRUGATED METAL AND STRUCTURAL PLATE SHALL CONFORM TO AASHTO SPECIFICATION M 36 AND M 167.
6. FOR PIPE SIZES NOT SHOWN, THE GAUGE WILL BE THAT REQUIRED BY THE MINIMUM AND MAXIMUM COVERS FOR THE NEXT LARGER TABULATED PIPE SIZE.
7. PIPE ARCHES IN TABLE 5, 49" X 33" AND LARGER SHALL BE DOUBLE RIVETED OR HELICAL ALL 3" X 1" PIPE ARCHES SHALL BE DOUBLE RIVETED IN THE VALLEYS. ALL 5" X 1" SHALL BE DOUBLE RIVETED IN BOTH THE VALLEYS AND THE CRESTS.
8. ALL PIPE ARCHES ARE TO BE CAMBERED TO ACCOMMODATE SOIL SETTLEMENT AND CONSOLIDATION. THE AMOUNT OF CAMBER WILL DEPEND ON THE SOIL CHARACTERISTICS, COVER, LENGTH OF CULVERT, SLOPE, AND OTHER FACTORS AND SHALL BE APPROVED BY THE PROJECT MANAGER.
9. CORRUGATED METAL AND STRUCTURAL PLATE PIPE ARCHES WHICH HAVE SLIGHTLY DIFFERENT SPAN AND RISE DIMENSIONS THAN THOSE CALLED FOR ON THE PLANS MAY BE SUBSTITUTED FOR THE SIZES SPECIFIED PROVIDED:
   a) THEY MEET THE MINIMUM AND MAXIMUM FILL HEIGHT REQUIREMENTS WITHOUT CHANGING THE INVERT ELEVATIONS.
   b) ARE FORMED FROM THE SAME SIZE ROUND PIPE AS THE PIPE SPECIFIED ON THE PLANS.
   c) THAT STRUCTURAL PLATE PIPE ARCHES PROVIDE THE SAME OR LARGER OPENING AREA AS THE PIPE ARCH SPECIFIED ON THE PLANS.
10. SEE 206-07-1/1 - CORRUGATED METAL CULVERT AND PIPE ARCHES BEDDING AND BACKFILL DETAILS FOR INSTALLATION.
11. ALL TABLES ARE DERIVED FROM "THE HANDBOOK OF STEEL DRAINAGE & HIGHWAY CONSTRUCTION PRODUCTS" BY THE AMERICAN IRON AND STEEL INSTITUTE, 1994 EDITION, AND ARE SUBJECT TO MANUFACTURING TOLERANCES.
12. SEE SECTION 570 PIPE CULVERTS SPECIFICATIONS AND SECTION 571 STRUCTURAL PLATE STRUCTURES SPECIFICATIONS.
13. THE CONTRACTOR MAY USE EITHER 2 2/3"x 1/2" CORRUGATION OR 5" X 1" AND 3" x 1" CORRUGATION IF ADEQUATE COVER IS MET.



RECORD DRAWING

NO.	DATE	REV. BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

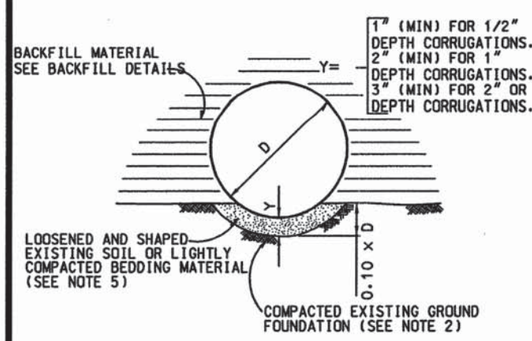
NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

MAX.& MIN. STEEL ROUND PIPES CORRUGATED METAL AND STRUCTURAL PLATE

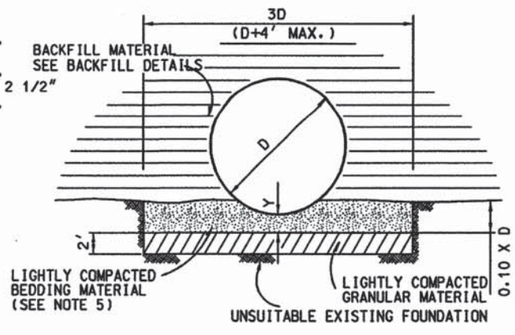
APPROVED _____ DESIGN ENGINEER 11-29-04 DATE

DESIGNED BY___ DRAWN BY___ CHECKED BY___

206-04-1/3

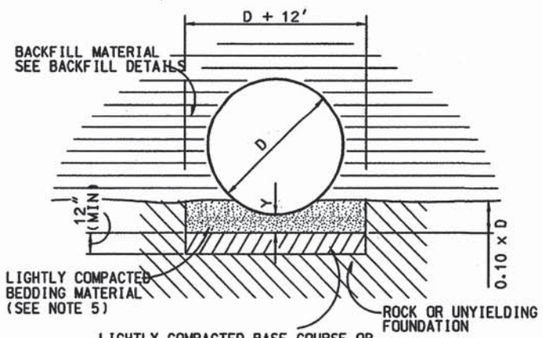


SUITABLE EXISTING GROUND FOUNDATION



WHERE IN THE OPINION OF THE PROJ. MGR. THE EXISTING SOIL DOES NOT PROVIDE A SUITABLE FOUNDATION, THE EXISTING SOIL SHALL BE REMOVED AND BACKFILLED WITH GRANULAR MATERIAL AS APPROVED BY THE PROJ. MGR.

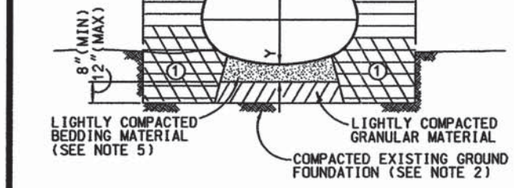
UNSUITABLE EXISTING FOUNDATION



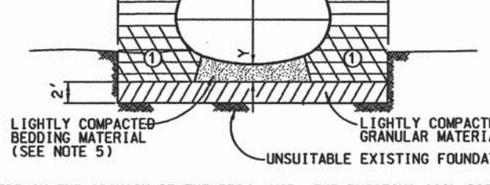
ROCK OR UNYIELDING FOUNDATION

GENERAL NOTES

1. RIVETED OR WELDED METAL PIPE AND ARCHES SHALL BE PLACED WITH THE INSIDE CIRCUMFERENTIAL LAPS POINTING DOWNSTREAM AND WITH LONGITUDINAL LAPS AT THE SIDE OR QUARTER POINTS, NOT TOP OR BOTTOM. STRUCTURAL PLATE AND PIPE ARCH CULVERTS SHALL BE ERECTED AS SHOWN ON THE ERECTION DIAGRAMS FURNISHED BY THE SUPPLIER.
2. THE EXISTING GROUND FOUNDATION MATERIAL UNDER PIPES SHALL BE BROKEN UP AND COMPACTED TO A MINIMUM DEPTH OF 6". COMPACTION SHALL BE 95% OF MAXIMUM DENSITY BY AASHTO SPECIFICATION T 99.
3. WHERE AN UNSUITABLE MATERIAL (PEAT, MUCK, ETC.) IS ENCOUNTERED AT OR BELOW THE INVERT ELEVATION, THE NECESSARY SUBSURFACE EXPLORATION AND ANALYSIS SHALL BE MADE AND CORRECTIVE TREATMENT SHALL BE AS DIRECTED BY THE PROJECT MANAGER.
4. IMPERVIOUS MATERIAL SHALL BE PLACED LONGITUDINALLY ALONG THE PIPE TO THE ELEVATIONS AND LIMITS SHOWN ON THE CROSS SECTION OF ROADWAY EMBANKMENT, AND TRANSVERSELY AROUND THE PIPE TO THE DENSITY AND SLOPES SHOWN FOR BACKFILL MATERIAL ON THE BACKFILL DETAIL. UNLESS OTHERWISE DESIGNATED ON THE PLANS OR DIRECTED BY THE PROJECT MANAGER IMPERVIOUS MATERIAL SHALL CONFORM TO AASHTO SPECIFICATION A-6 OR A-7 SOILS.
5. BEDDING MATERIAL SHALL BE ROUGHLY SHAPED TO FIT BOTTOM OF PIPES AND THEN LIGHTLY COMPACTED. MATERIAL SHALL CONFORM TO SECTION 206 OF THE NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR PIPE ARCH THE WIDTH OF THE BEDDING SHALL NOT EXCEED THE WIDTH OF THE BOTTOM ARC.
6. WHERE MULTIPLE LINES OF PIPE OR PIPE ARCHES GREATER THAN 4' IN DIAMETER OR SPAN ARE USED, THEY SHALL BE SPACED SO THAT ADJACENT SIDES OF THE PIPE SHALL BE AT LEAST ONE-HALF DIAMETER OR 3' APART, WHICHEVER IS LESS, TO PERMIT ADEQUATE COMPACTION OF BACKFILL MATERIAL. FOR DIAMETERS 4' AND LESS THE MINIMUM SPACING SHALL BE NOT LESS THAN 2'. SEE 570-02-1/2 AND 570-02-2/2 FOR FLARED END SECTIONS.
7. A CONTINUOUS CONCRETE CRADLE SHALL BE USED ONLY WHEN CALLED FOR ON THE PLANS.
8. BACKFILL MATERIAL SHALL CONFORM TO SECTION 206 OF THE NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS. SPECIAL CARE SHALL BE TAKEN WHEN COMPACTING BACKFILL AT THE HAUNCHES AND SIDES OF PIPES.
9. REFER TO 206-03-1/1 THRU 206-06-1/1 FOR TABLE OF MIN. AND MAX. COVER AND CORRESPONDING GAUGE.

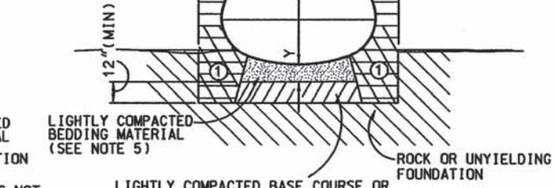


SUITABLE EXISTING GROUND FOUNDATION

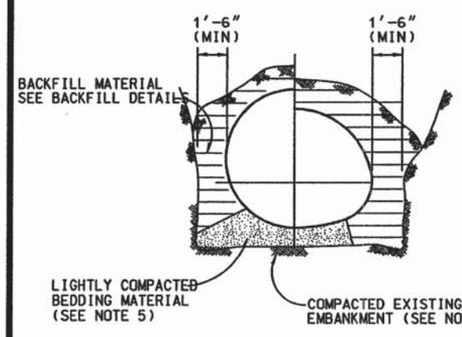


WHERE IN THE OPINION OF THE PROJ. MGR. THE EXISTING SOIL DOES NOT PROVIDE A SUITABLE FOUNDATION. THE EXISTING SOIL SHALL BE REMOVED AND BACKFILLED WITH GRANULAR MATERIAL AS APPROVED BY THE PROJ. MGR.

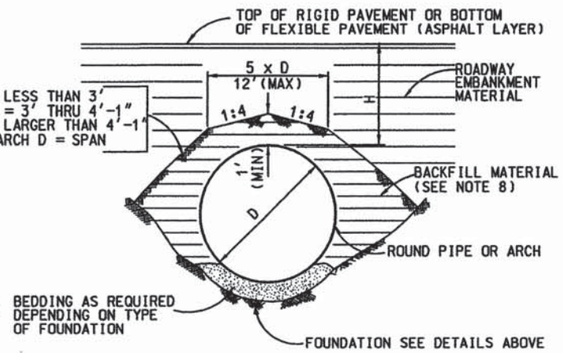
UNSUITABLE EXISTING FOUNDATION



ROCK OR UNYIELDING FOUNDATION



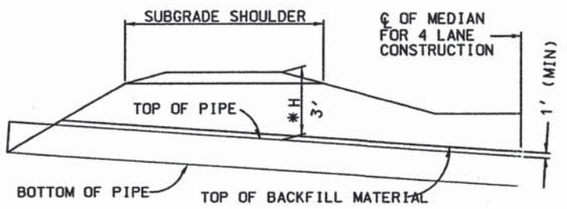
TRENCH CONDITION



BACKFILL DETAIL SHOWN ABOVE SHALL NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR OF HIS OBLIGATIONS REGARDING DAMAGE TO THE CULVERT PIPE.
H = MINIMUM OR MAXIMUM COVER.

BACKFILL DETAIL

KEY	DESCRIPTION
①	100% COMPACTION
②	90% COMPACTION



CROSS SECTION OF ROADWAY EMBANKMENT

*LOCATION OF MAX. OR MIN. COVER DEPENDS ON PIPE SLOPE AND ROADWAY X-SECTION.

RECORD DRAWING

NO.	DATE	REV. BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

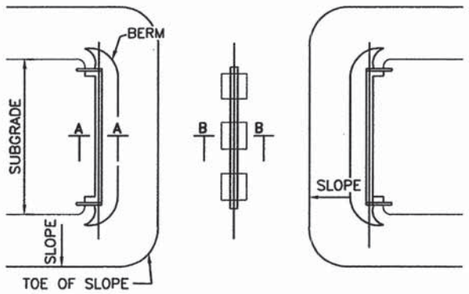
NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

CORRUGATED METAL CULVERT AND PIPE ARCHES, BEDDING AND BACKFILL DETAILS

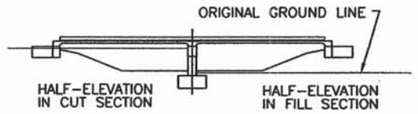
APPROVED _____ DESIGN ENGINEER 11-29-04 DATE

DESIGNED BY___ DRAWN BY___ CHECKED BY___

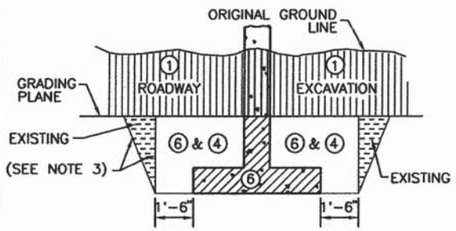
206-07-1/1



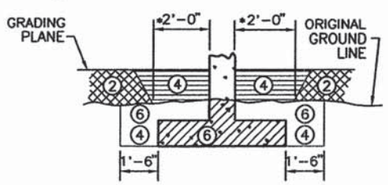
PLAN



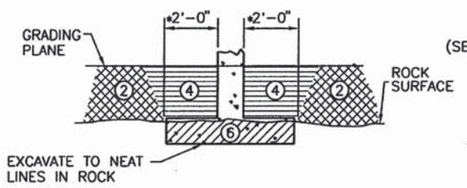
PROFILE



CUT SECTION



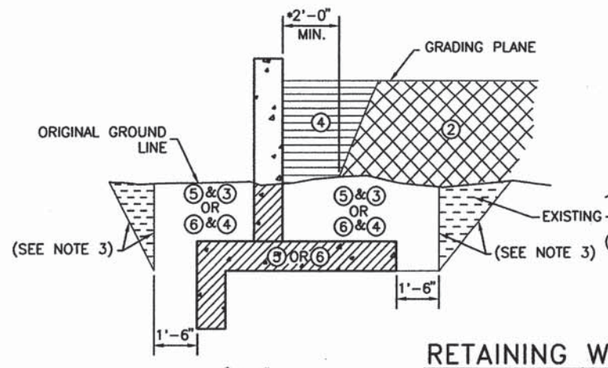
FILL SECTION



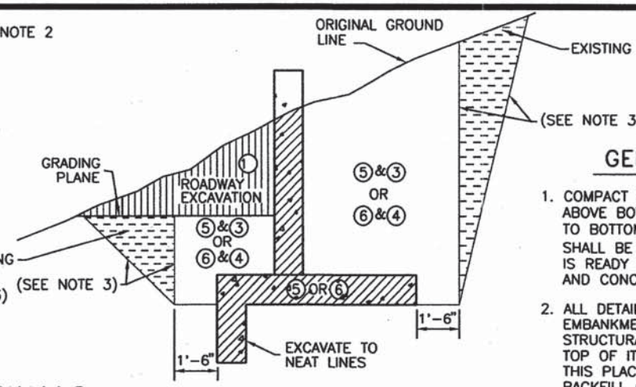
EXCAVATION IN ROCK

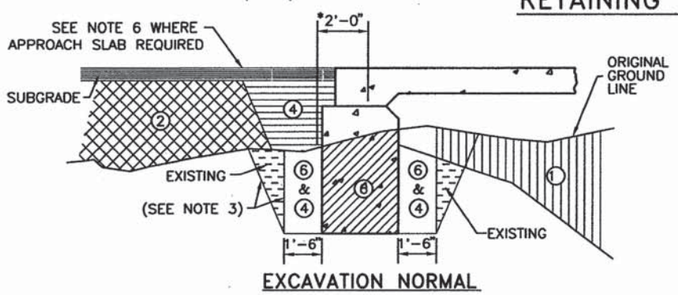
SECTION B–B DETAILS

* SEE NOTE 2

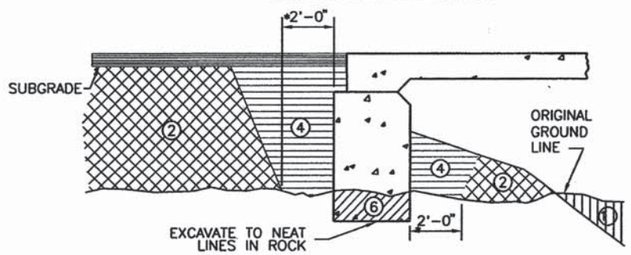


RETAINING WALLS

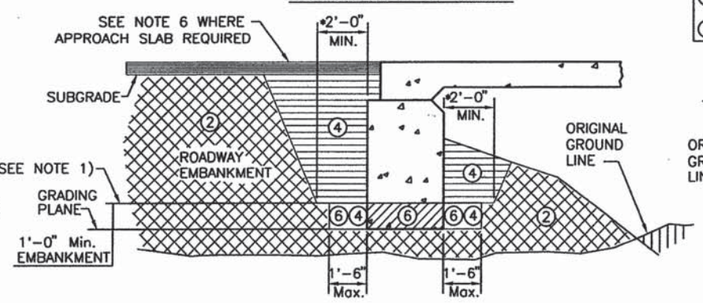




EXCAVATION NORMAL



EXCAVATION IN ROCK

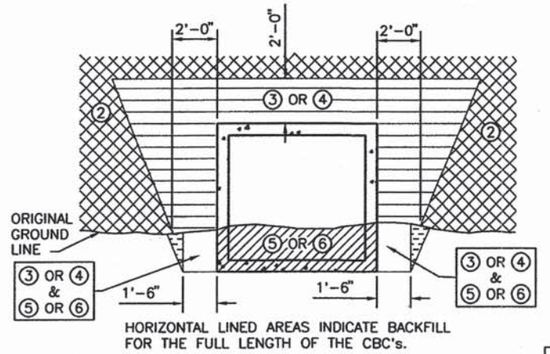


EXCAVATION IN FILL SECTION

SECTION A–A DETAILS

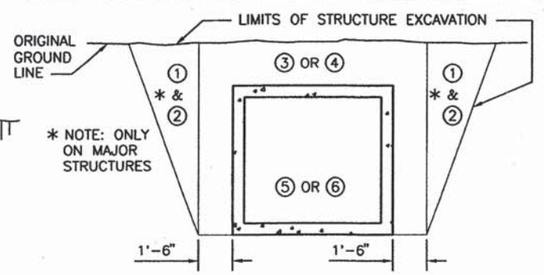
KEY No.	SECTION DESCRIPTION	
①	203	ROADWAY EXCAVATION
②	203	ROADWAY EMBANKMENT
③ ④	206 210	STRUCTURE BACKFILL
⑤ ⑥	206 210	STRUCTURE EXCAVATION

NOTE: SECTION 206 = MINOR STRUCTURES
SECTION 210 = MAJOR STRUCTURES



HORIZONTAL LINED AREAS INDICATE BACKFILL FOR THE FULL LENGTH OF THE CBC's.

METHOD OF PLACING BACKFILL AROUND CBC's



METHOD OF EXCAVATION AROUND CBC's

GENERAL NOTES

1. COMPACT ROADWAY EMBANKMENT 10'-0" (MIN) ABOVE BOTTOM OF ABUTMENT. EXCAVATION TO BOTTOM OF ABUTMENT ELEVATION SHALL BE DELAYED UNTIL THE CONTRACTOR IS READY TO PLACE THE ABUTMENT FORMS AND CONCRETE.
2. ALL DETAILS ARE SHOWN WITH THE ROADWAY EMBANKMENT PLACED FIRST AND THE STRUCTURAL BACKFILL MATERIAL PLACED ON TOP OF IT. THE CONTRACTOR SHALL USE THIS PLACEMENT ORDER SO THE STRUCTURAL BACKFILL CAN BE COMPACTED TO THE MAXIMUM DENSITY REQUIRED. NO EMBANKMENT MATERIAL SHALL BE WITHIN 2'-0" OF THE CONCRETE STRUCTURE.
3. WHERE THE SITE OF WORK OR CHARACTER OF MATERIAL TO BE EXCAVATED REQUIRES A SLOPE LESS THAN VERTICAL AND THE CONTRACTOR OBTAINS APPROVAL FROM THE ENGINEER TO MAKE A CUT LESS THAN VERTICAL, INSTEAD OF USING COFFERDAMS, THE SLOPE OF THE CUT SHALL NOT BE STEEPER THAN THE STABILITY OF THE MATERIAL PERMITS AS DETERMINED BY THE PROJECT MANAGER. THIS ADDITIONAL EXCAVATION AND BACKFILL, BEYOND A VERTICAL CUT, SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE WORK AND NO ADDITIONAL PAYMENT WILL BE MADE THEREFORE.
4. GRADING PLANE IS THE SURFACE TO WHICH PRECISE GRADING IS FINISHED SUCH AS SUBGRADE UNDER THE TEMPLATE SECTION OF A ROAD, ROADWAY SIDE SLOPES, DITCHES ADJACENT TO PIERS, DITCH SLOPES AT WINGWALLS, SUBGRADE UNDER ABUTMENTS AND RETAINING WALLS.
5. EARTHWORK FOR CBC'S TO BE IN ACCORDANCE WITH SECTION 206 OR SECTION 210 OF THE NEW MEXICO DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.
6. STRUCTURE BACKFILL AT APPROACH SLABS SHALL CONFORM TO AASHTO A-1-a .

RECORD DRAWING

NO.	DATE	REV. BY	DESCRIPTION
REVISIONS (OR CHANGE NOTICES)			

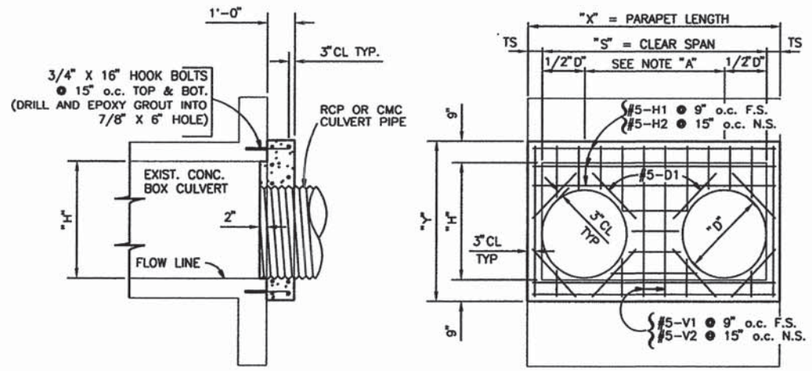
NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

EXCAVATION AND BACKFILL FOR BRIDGES, WALLS AND CBC'S

APPROVED _____ DESIGN ENGINEER 11-29-04 DATE

DESIGNED BY___ DRAWN BY ___ CHECKED BY ___

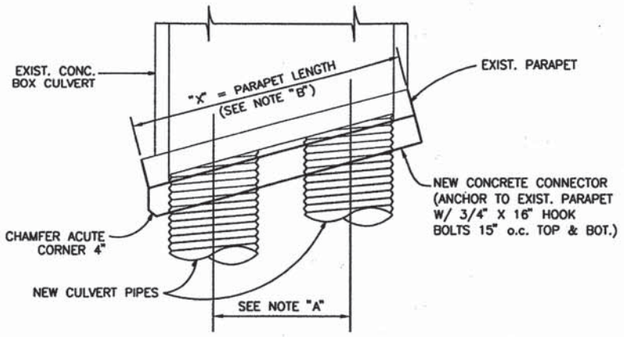
210-01-1/1



CONNECTION CBC TO CULVERT PIPE

(MULTIPLE CULVERT PIPE INSTALLATION)

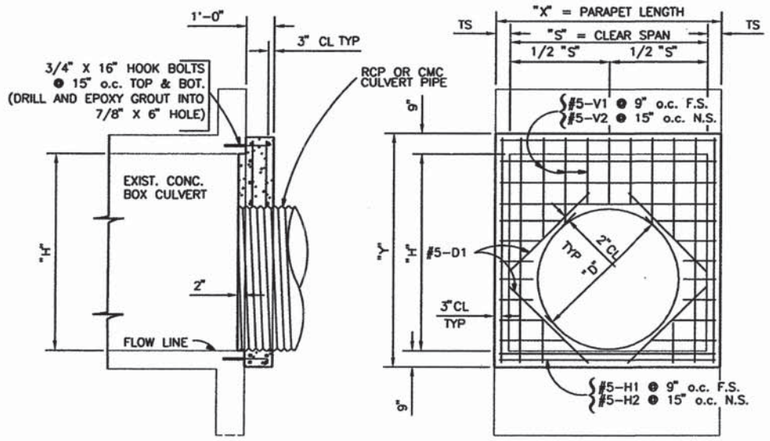
NOTE "A": TO PROVIDE FOR PROPER COMPACTION, THE MINIMUM DISTANCE BETWEEN CULVERT PIPES SHALL BE;
"D" + 2'-0" FOR DIAMETERS UP TO AND INCLUDING 48".
"D" + 3'-0" FOR DIAMETERS GREATER THAN 48".



CONNECTION CBC TO CULVERT PIPE

PLAN VIEW OF SKEWED INSTALLATION

NOTE "B": FOR NORMAL INSTALLATIONS "X" = SO FOR SKEWED INSTALLATIONS "X" = P (30 SERIES CBC) OR "X" = PS (20 SERIES CBC).



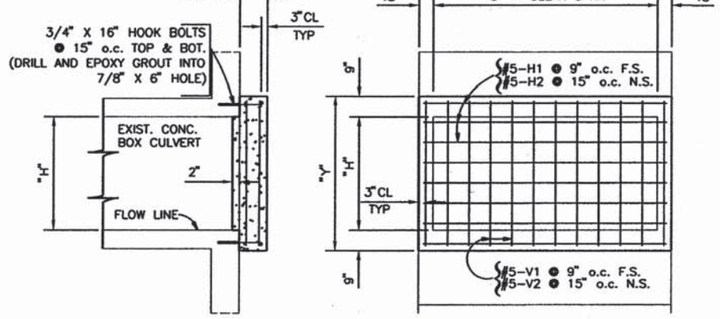
CONNECTION CBC TO CULVERT PIPE

(SINGLE CULVERT PIPE INSTALLATION)

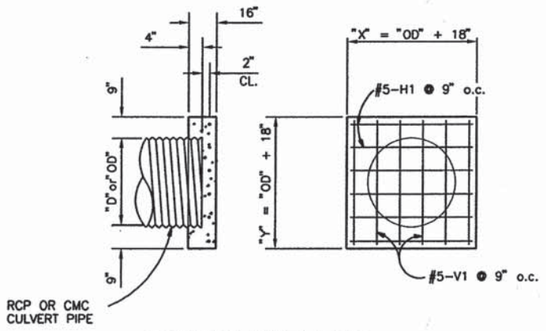
#5-H1	"X" - 3"	REQ'D [("Y"-6") ÷ 9"]+1
#5-H2	"X" - 3"	REQ'D [("Y"-6") ÷ 9"]+1
#5-D1	"D" - 3"	REQ'D 8 PER CULVERT PIPE

#5-V1	"Y" - 3"	REQ'D [("X"-6") ÷ 9"]+1
#5-V2	"Y" - 3"	REQ'D [("X"-6") ÷ 9"]+1

REINFORCING BAR DETAILS



CBC BARREL PLUG



CULVERT PIPE PLUG

GENERAL NOTES

1. STRUCTURAL CAST-IN-PLACE CONCRETE SHALL BE CLASS "A". CHAMFER ALL EXPOSED EDGES OF CONCRETE STRUCTURE 3/4" UNLESS OTHERWISE ON THE DETAILS.
2. ALL REINFORCING BARS SHALL CONFORM TO AASHTO M-31, GRADE 60 UNLESS NOTED OTHERWISE ON THE DETAILS. DIMENSIONS REFER TO THE CENTERLINE OF BAR UNLESS NOTED OTHERWISE ON THE DETAILS.
3. THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL DIMENSIONS, ELEVATIONS AND DETAILS PERTAINING TO THE EXISTING STRUCTURE.
4. FIELD CUT AND BEND REINFORCING BARS AS REQUIRED TO CLEAR (RCP OR CMC) OPENINGS.
5. FURNISHING AND INSTALLING OF HOOK BOLTS, AND ANCHOR BOLTS, WHERE REQUIRED, SHALL BE CONSIDERED INCIDENTAL TO SECTION 515 - REINFORCED CONCRETE FOR MINOR STRUCTURES.
6. THE TYPE, SHAPE, DIAMETER OR SPAN AND NUMBER OF CULVERT PIPES SHALL BE AS CALLED FOR ON THE ROADWAY PLANS.
7. CONCRETE CONNECTORS AND PLUGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS FOR "REINFORCED CONCRETE FOR MINOR STRUCTURES." SECTION 515.
8. REINFORCED CONCRETE PIPE TO CORRUGATED METAL PIPE CONNECTIONS MAY BE MADE USING EITHER A CAST-IN-PLACE CONNECTOR, A PRECAST CONNECTOR, OR A PREFABRICATED CORRUGATED CONNECTOR. COST OF CONNECTION AND ALL HARDWARE, REGARDLESS OF THE METHOD USED SHALL BE CONSIDERED INCIDENTAL TO THE CULVERT PIPE AND NO DIRECT PAYMENT WILL BE MADE THEREFORE.
9. CONCRETE COLLARS FOR CBCS AND PLUGS WILL BE PAID FOR UNDER THE PAY ITEM DESCRIPTION LISTED BELOW. SECTION 515-REINFORCED CONCRETE FOR MINOR STRUCTURES.
10. THE CONTRACTOR SHALL HAVE THE OPTION TO SUBMIT AN ALTERNATE CBC TO CULVERT CONNECTION DESIGN USING TECHNIQUES AS APPROVED BY THE PROJECT MANAGER.
11. PIPE JOINING AND REPAIR OF DAMAGED PROTECTIVE COATING SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 570.

PAY ITEM	UNIT
REINFORCED CONCRETE FOR MINOR STRUCTURES	CU. YD.

RECORD DRAWING

NO.	DATE	REV. BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

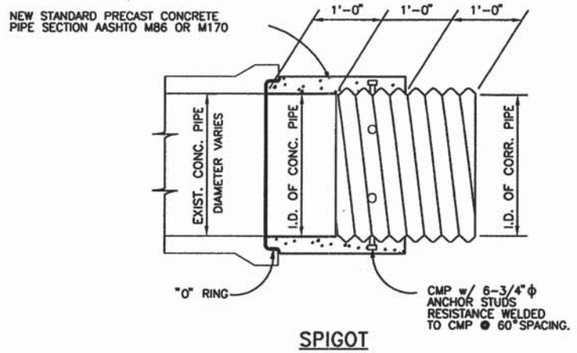
NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

CONCRETE COLLARS & PLUGS FOR CBC TO METAL CULVERT PIPE

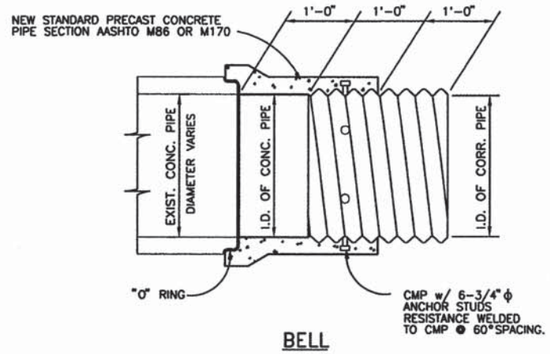
APPROVED _____ DESIGN ENGINEER 11-29-04 DATE

DESIGNED BY___ DRAWN BY ___ CHECKED BY ___

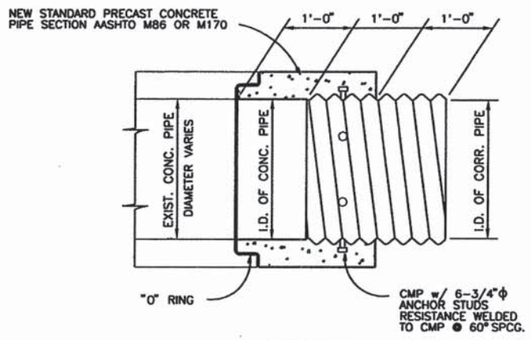
515-01-1/2 SHEET 1 OF 2



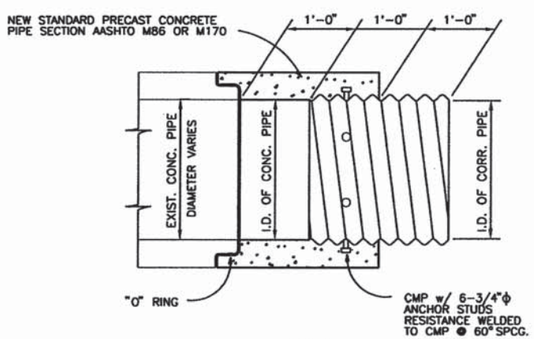
SPIGOT



BELL

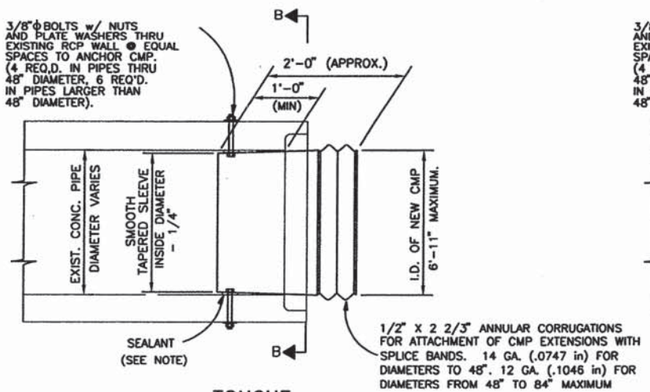


TONGUE

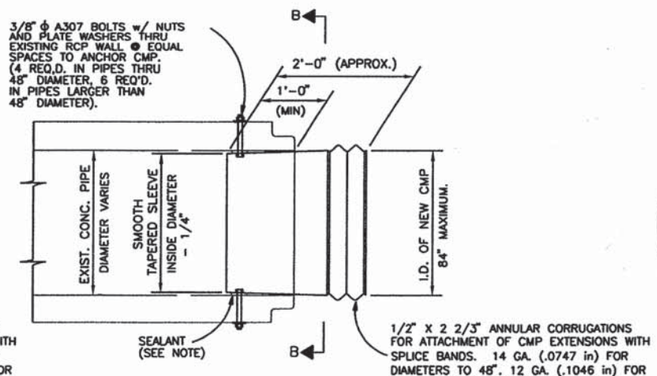


GROOVE

PRECAST CONNECTORS



TONGUE

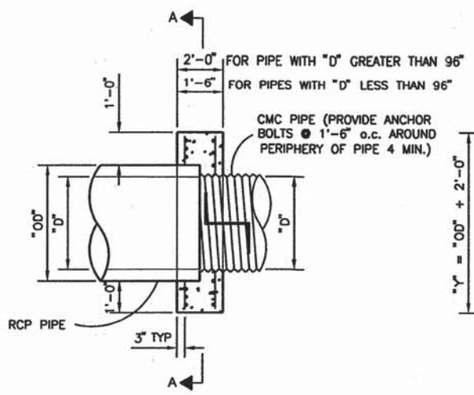


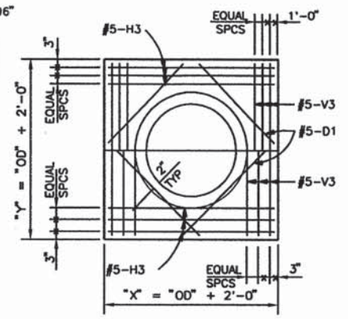
GROOVE

PREFABRICATED CORRUGATED CONNECTOR

NOTE: CORRUGATED PIPE MATERIAL SHALL BE GALVANIZED STEEL IN ACCORDANCE WITH AASHTO M218, OR ALUMINUM IN ACCORDANCE WITH AASHTO M197.

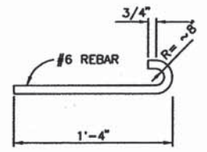
NOTE: OPENING BETWEEN EXISTING RCP AND NEW CMP SLEEVE SHALL BE SEALED WITH A HIGH QUALITY SEALANT TO ASSURE WATERTIGHT INTEGRITY AS PER AASHTO M198.





SECTION A-A

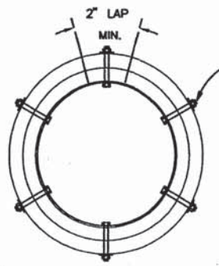
CAST IN PLACE CONNECTOR



HOOK BOLT DETAIL

#5-H3	"X" - 3"	REQ'D 12 PER CONNECTOR
#5-V3	"Y" - 3"	REQ'D 12 PER CONNECTOR
#5-D1	"D" - 3"	REQ'D 8 PER CULVERT PIPE

REINFORCING BAR DETAILS



SECTION B-B

NOTES:

PAYMENT ON THESE ITEMS SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO DIRECT PAYMENT WILL BE MADE THEREFORE.

RECORD DRAWING

NO.	DATE	REV. BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

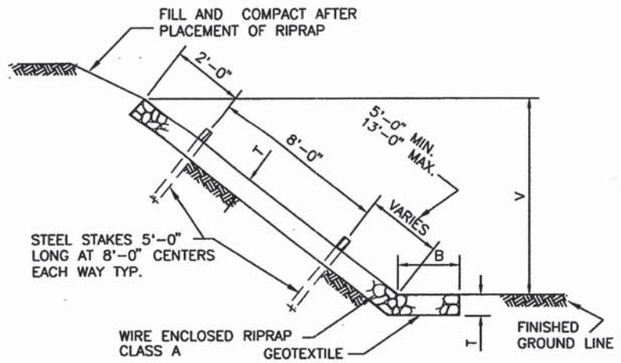
NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

CAST-IN-PLACE, PRECAST, & PREFABRICATED CONNECTORS FOR CULVERTS

APPROVED _____ DESIGN ENGINEER 11-29-04 DATE

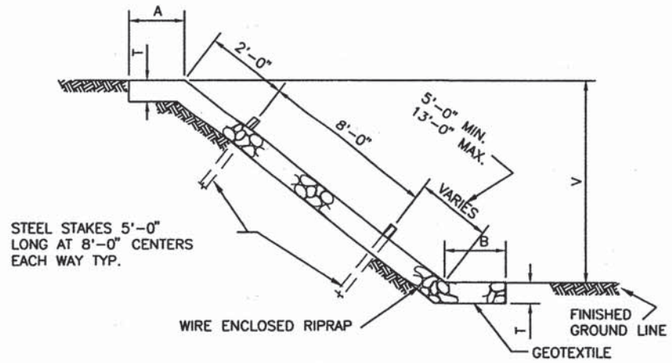
DESIGNED BY___ DRAWN BY ___ CHECKED BY ___

515-01-2/2 SHEET 2 OF 2



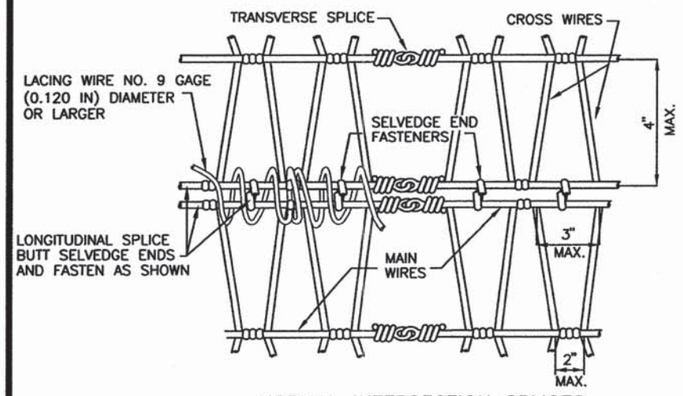
SECTION TYPE 1

QUANTITIES PER LINEAR FOOT	
SLOPE	RIPRAP CU. YARDS
1.5 : 1	$\frac{T}{27}(B + 1.803V + 0.303T)$
1.75 : 1	$\frac{T}{27}(B + 2.016V + 0.266T)$
2 : 1	$\frac{T}{27}(B + 2.236V + 0.236T)$
3 : 1	$\frac{T}{27}(B + 3.162V + 0.162T)$
4 : 1	$\frac{T}{27}(B + 4.123V + 0.123T)$

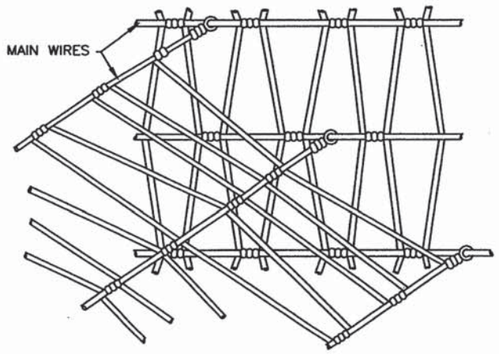


SECTION TYPE 2

QUANTITIES PER LINEAR FOOT	
SLOPE	RIPRAP CU. YARDS
1 : 1	$\frac{T}{27}(A + B + 1.414V)$
1.5 : 1	$\frac{T}{27}(A + B + 1.803V)$
1.75 : 1	$\frac{T}{27}(A + B + 2.016V)$
2 : 1	$\frac{T}{27}(A + B + 2.236V)$
3 : 1	$\frac{T}{27}(A + B + 3.162V)$
4 : 1	$\frac{T}{27}(A + B + 4.123V)$

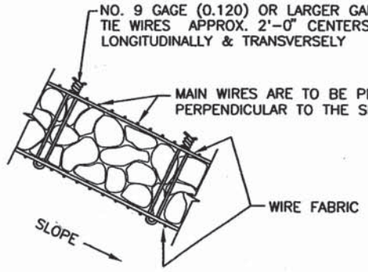


NORMAL INTERSECTION SPLICES



SKEWED INTERSECTION SPLICE

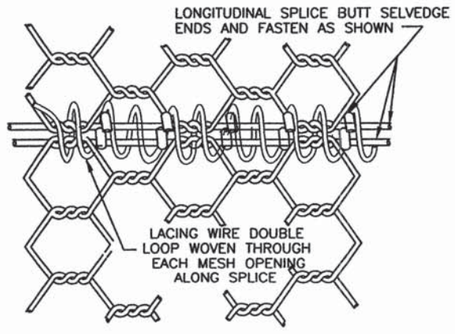
"W" MESH



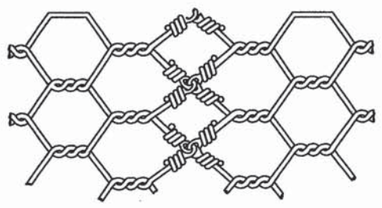
TYPICAL SECTION

GENERAL NOTES

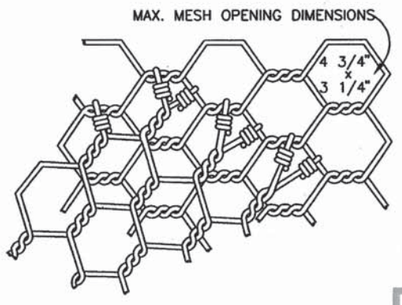
1. WIRE FABRIC FOR RIP RAP SHALL BE "W" OR HEXAGONAL MESH AND MEET THE REQUIREMENTS LISTED IN SECTION 602 OF THE STANDARD SPECIFICATIONS.
2. STEEL STAKES MAY BE RAILROAD RAILS WEIGHING NOT LESS THAN 30 LBS. PER YARD, 4" NOMINAL DIAMETER STANDARD STRENGTH GALVANIZED STEEL PIPE, OR L4"x4" x3/8" STEEL ANGLES. STEEL STAKES SHALL PROJECT 4" ABOVE TOP OF RIPRAP. STEEL STAKES ARE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE WORK AND NO DIRECT MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
3. IF LENGTH OF SLOPE IS 15 FEET OR LESS, ONLY ONE ROW OF STEEL STAKES 2 FEET FROM THE TOP EDGE OF RIPRAP WILL BE REQUIRED UNLESS OTHERWISE NOTED ON PLANS.
4. FOR DIMENSIONS A,B,V,&T SEE BRIDGE OR ROADWAY PLANS.
5. T=12" UNLESS OTHERWISE SHOWN ON PLANS, T= 18" AT BRIDGES.
6. FASTENERS FOR SPLICES AND/OR SELVEDGE END CONNECTORS MAY BE WIRE TIES, INTERLOCKING WIRE CLIPS, HOG RINGS, OR LACING WIRE. ONLY FASTENERS WHICH APPEAR ON THE DEPARTMENT'S "APPROVED PRODUCT LISTING" MAY BE USED.
7. LACING SHALL BE CONTINUOUS AS FAR AS IS PRACTICAL AND SHALL PASS THROUGH EACH MESH OPENING.
8. WHERE SPLICING IS NECESSARY, AN OVERLAP OF LACING OF AT LEAST 1 FOOT SHALL BE PROVIDED.



NORMAL INTERSECTION SPLICE



TRANSVERSE SPLICE



SKEWED INTERSECTION SPLICE

HEXAGONAL MESH

RECORD DRAWING

NO.	DATE	REV. BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

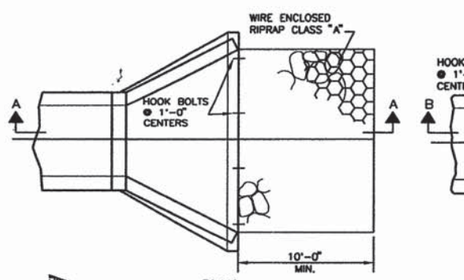
NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

WIRE ENCLOSED RIPRAP CLASS A

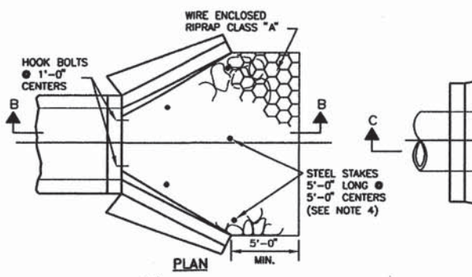
APPROVED _____ DESIGN ENGINEER 11-29-04 DATE

DESIGNED BY___ DRAWN BY ___ CHECKED BY ___

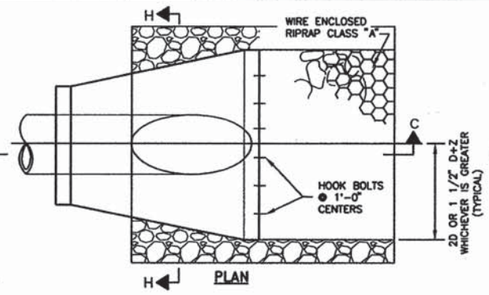
602-01-1/1



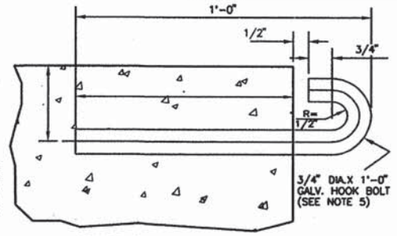
BOX CULVERTS WITH APRONS



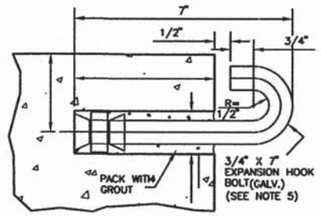
BOX CULVERTS WITHOUT APRONS



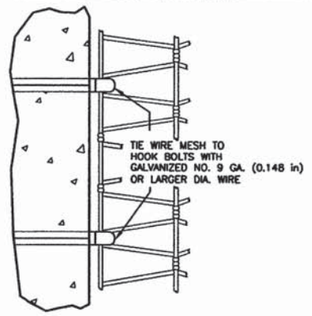
CONCRETE BLANKETS



ANCHOR TO NEW STRUCTURE

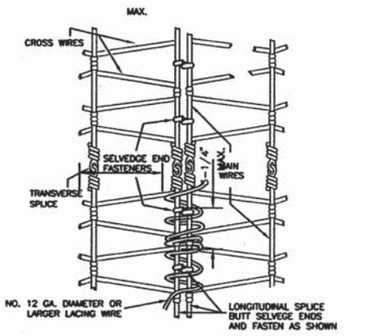


ANCHOR TO EXISTING STRUCTURE

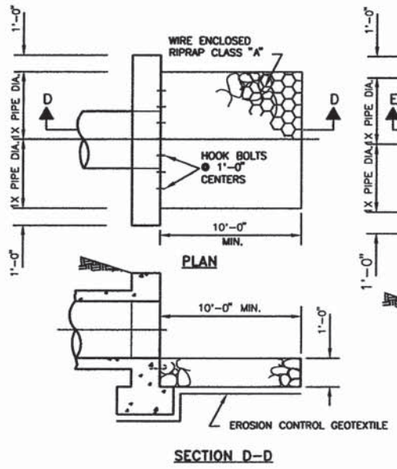


HOOK BOLT DETAILS

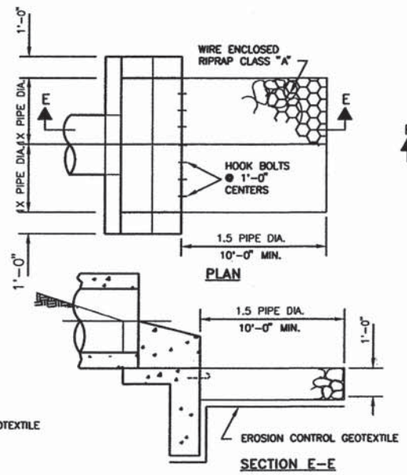
COST OF HOOK BOLT IN PLACE TO BE INCLUDED IN UNIT BID PRICE FOR RIPRAP.



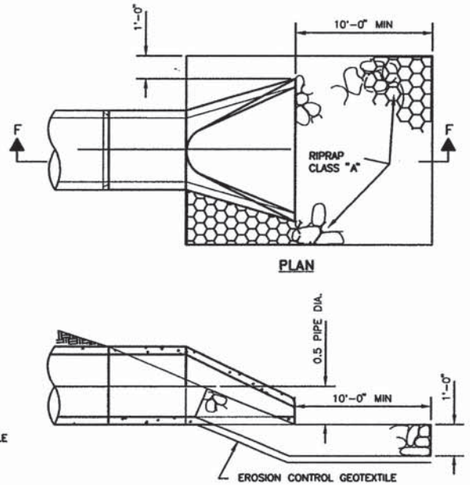
WIRE MESH ANCHOR/SPLICE DETAILS



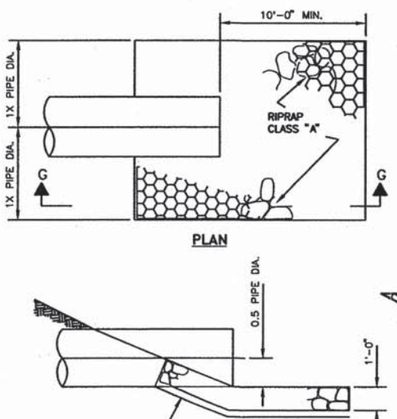
H-1 HEADWALL



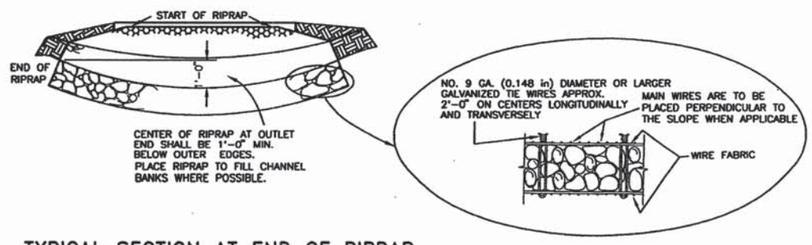
H-2 HEADWALL



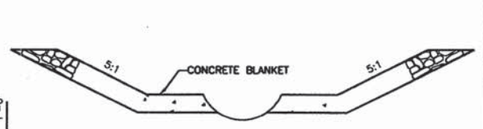
PIPE WITH END SECTIONS



PIPE WITHOUT HEADWALLS



TYPICAL SECTION AT END OF RIPRAP



SECTION H-H

GENERAL NOTES

1. ALL RIPRAP SHALL BE CLASS "A" UNLESS SPECIFIED OTHERWISE IN THE PLANS. DIMENSIONS OF RIPRAP CLASS "A" SHALL BE VERIFIED IN FIELD.
2. RIPRAP ON THIS STANDARD IS SHOWN FOR SINGLE PIPES AND CULVERTS ONLY. FOR MULTIPLE PIPE AND CULVERT INSTALLATIONS, EXTEND RIPRAP BEYOND OUTLET OPENING AS SHOWN IN PLAN DETAILS AND PLACE RIPRAP BETWEEN OUTLET OPENINGS AS SHOWN IN ELEVATION DETAILS.
3. SERIAL 602-02-1/1 MAY BE REFERENCED FOR DESCRIPTIONS OF WIRE MESH AND ALTERNATE PATTERNS.
4. STEEL STAKES MAY BE RAILROAD RAILS WEIGHING APPROXIMATELY 10 Lbs. PER FOOT, 4 INCH NOMINAL DIAMETER STANDARD STRENGTH GALVANIZED STEEL PIPE, OR 4" x 4" x 3/8" STEEL ANGLES. STEEL STAKES SHALL PROJECT 6 INCHES ABOVE THE TOP OF RIPRAP.
5. CONTRACTOR MAY SUBSTITUTE CONCRETE CHEMICAL ANCHORS WITH HOOK GEOMETRY SHOWN, WHICH MEET REQUIREMENTS OF SECTION 522.
6. TOE-IN OR PLACE EROSION CONTROL GEOTEXTILE UNDER FOOTINGS OR CUT-OFF WALL.

RECORD DRAWING

NO.	DATE	REV. BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

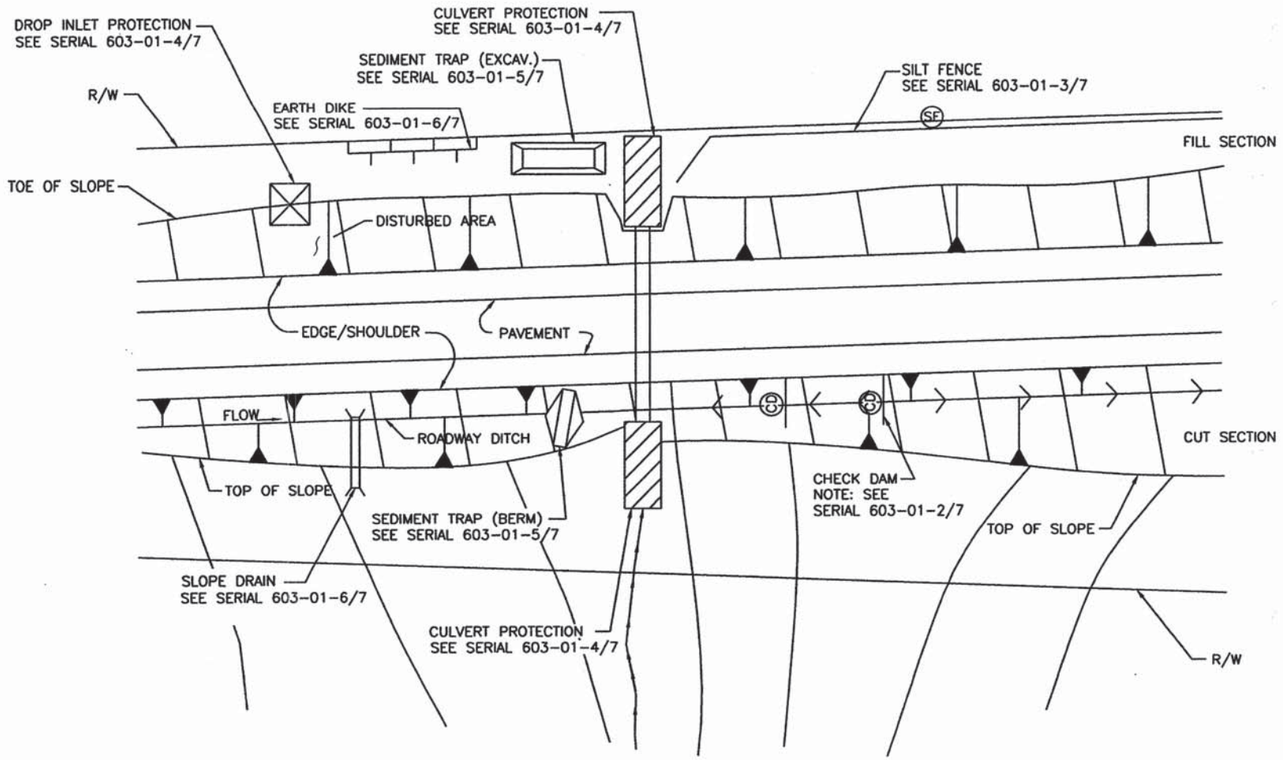
NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

EROSION CONTROL AT CULVERT OUTLETS

APPROVED _____ DESIGN ENGINEER 11-29-04 DATE

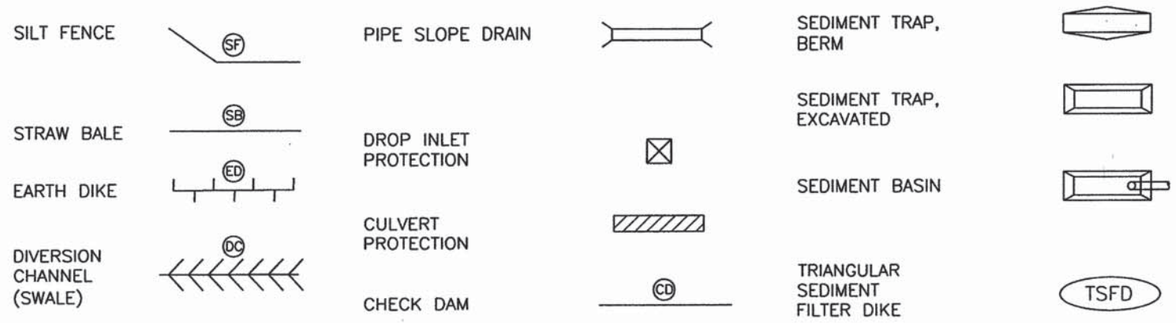
DESIGNED BY___ DRAWN BY ___ CHECKED BY ___

602-02-1/1



TYPICAL USAGE OF SELECTED EROSION AND SEDIMENT CONTROL MEASURES

STANDARD SYMBOLS FOR EROSION AND SEDIMENT CONTROL MEASURES



TEMPORARY EROSION & SEDIMENT CONTROL MEASURES (T.E.S.C.M.)

GENERAL NOTES

1. THE SOIL RETENTION BLANKET INSTALLATION DETAILS SHOWN FOR CULVERT PROTECTION SHALL BE USED FOR ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES UTILIZING SOIL RETENTION BLANKETS UNLESS OTHERWISE NOTED.
2. ROCK PLATING USED IN THE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THESE SHEETS SHALL HAVE A MINIMUM THICKNESS OF 6 INCHES UNLESS OTHERWISE INDICATED.
3. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES PLACED WITHIN THE CONSTRUCTION CLEAR ZONE SHALL BE INSTALLED WITH 8:1 SLOPES PARALLEL TO TRAFFIC AND 4:1 SLOPES PERPENDICULAR TO TRAFFIC.
4. SEDIMENT TRAPS SHALL BE CLEANED OF ACCUMULATED SEDIMENT WHEN APPROXIMATELY 50% FILLED.
5. CHECK DAMS SHALL BE CLEANED OF ACCUMULATED SEDIMENT WHEN THE DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE CHECK DAM.
6. CULVERT PROTECTIONS SHALL BE INSTALLED UPON INITIATION OF EARTH WORK ACTIVITIES AND MAINTAINED AS MUCH AS PRACTICAL UNTIL STABILIZATION IS COMPLETED AND ACCEPTED. CULVERT PROTECTIONS MAY BE REMOVED FOR PERIODS OF TIME AS REQUIRED DURING CONSTRUCTION TO COMPLETE ADJACENT IMPROVEMENTS.
7. THE CONTRACTOR MAY CONSTRUCT AN EARTH DIKE AS SHOWN, OR RELOCATE THE CHECK DAMS AS CONSTRUCTION PROGRESSES. NO DIRECT PAYMENT SHALL BE MADE FOR RELOCATION OF THE CHECK DAMS.
8. STRAW BALES ARE NOT INTENDED FOR USE ON NEW MEXICO DEPARTMENT OF TRANSPORTATION PROJECTS.

RECORD DRAWING

NO.	DATE	REV. BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

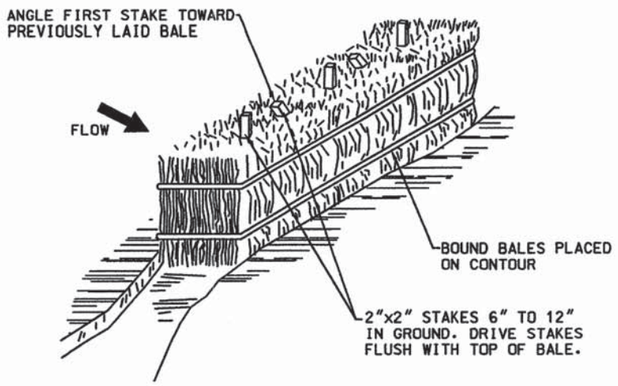
NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

TEMPORARY EROSION & SEDIMENT CONTROL MEASURES

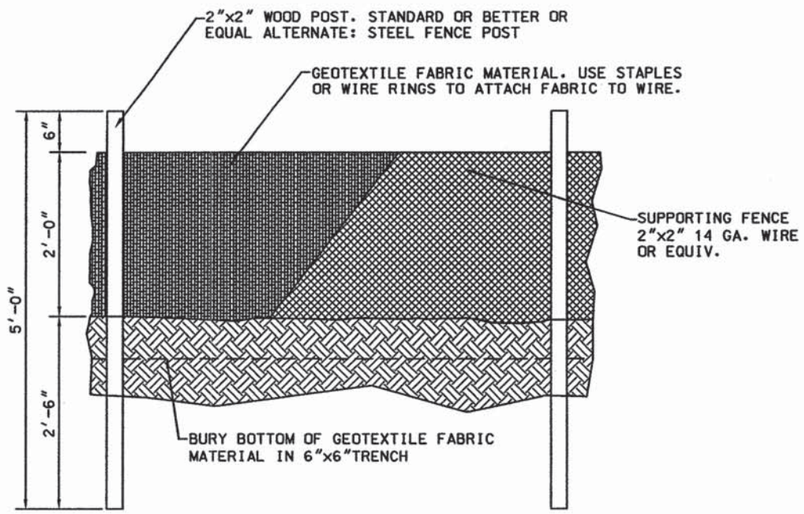
APPROVED Raymond A. VanHoven 11/29/89
DESIGN ENGINEER DATE

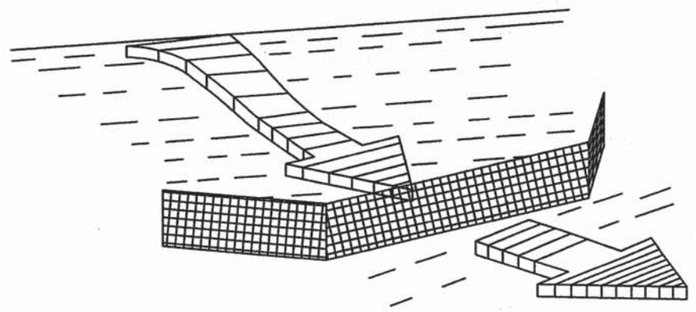
DESIGNED BY___ DRAWN BY ___ CHECKED BY ___

603-01-1/7 SERIAL 1 OF 7

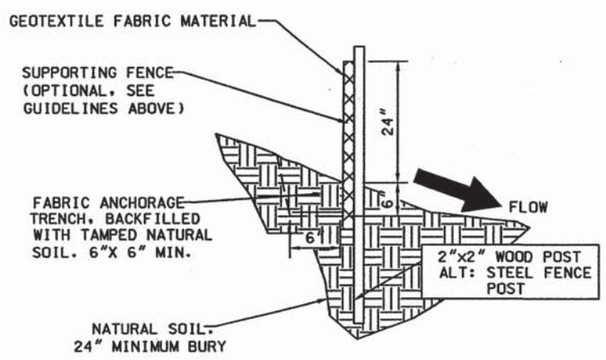


TYPE II
STRAW BALE OPTION





TYPE I
SILT FENCE



NOTES: SILT FENCE AND CHECK DAM

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE POST SPACING FOR SILT FENCES TO MINIMIZE MAINTENANCE.

1. POST SPACING SHALL BE 4 FT. MAXIMUM WITHOUT SUPPORTING FENCE. 10 FT. MAXIMUM WITH SUPPORTING FENCE.
2. POSTS FOR 4 FT. MAXIMUM POST SPACING SHALL BE 2 INCH SQUARE NOMINAL SIZE OR HEAVIER WOOD POSTS, OR STANDARD "T" OR "U" SECTION STEEL POSTS WEIGHING NOT LESS THAN 2 LBS. PER. LINEAR FOOT.

   POSTS FOR 10 FT. MAXIMUM POST SPACING SHALL BE 4 INCH SQUARE NOMINAL SIZE OR HEAVIER WOOD POSTS, OR STEEL POSTS AS SPECIFIED ABOVE.
3. SUPPORTING FENCE SHALL BE WIRE MESH (14 GA. MIN., 1 INCH MAX. MESH OPENINGS), SNOW FENCE, PLASTIC FENCE OR APPROVED.
4. SUPPORTING FENCE SHALL BE FASTENED SECURELY TO POSTS WITH STAPLES OR WIRE TIES. GEOTEXTILE FABRIC SHALL BE FASTENED SECURELY TO SUPPORTING FENCE WITH WIRE TIES SPACED AT 2 FT. CENTERS ALONG THE TOP AND MID-SECTION. WHEN A SUPPORTING FENCE IS NOT USED, GEOTEXTILE FABRIC SHALL BE SECURELY FASTENED TO POSTS WITH STAPLES OR WIRE TIES.
5. WHEN SILT FENCE IS USED FOR CHECK DAMS INSTALLED IN DITCHES, A SUPPORTING FENCE SHALL BE PROVIDED, WITH MAXIMUM POST SPACING OF 10 FT.
6. STANDARD "T" OR "U" SECTION STEEL POSTS SHALL NOT BE USED WITHIN THE CONSTRUCTION CLEAR ZONE RECOVERY AREA.
7. STRAW BALES ARE NOT INTENDED FOR USE ON NEW MEXICO DEPARTMENT OF TRANSPORTATION PROJECTS.

RECORD DRAWING

NO.	DATE	REV. BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

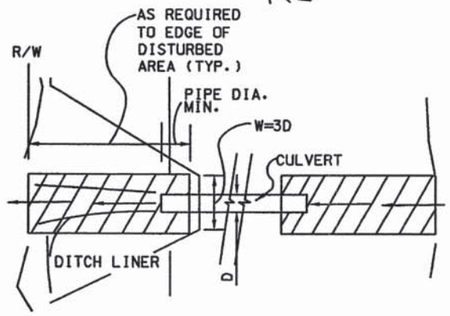
NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

TEMPORARY EROSION & SEDIMENT CONTROL MEASURES SILT FENCE

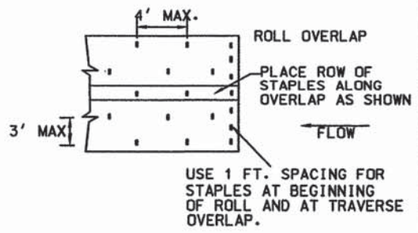
APPROVED Raymunda Von Hoven 11/29/07
DESIGN ENGINEER DATE

DESIGNED BY___ DRAWN BY___ CHECKED BY___

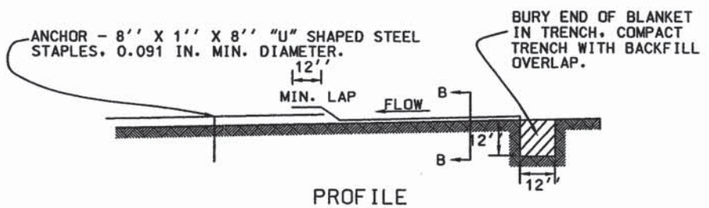
603-01-3/7



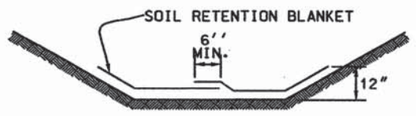
TYPICAL DITCH LINER
INSTALLATIONS AT CULVERTS



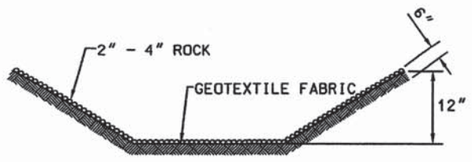
SOIL RETENTION BLANKET
STAPLE PATTERN



PROFILE
DITCH LINER



SECTION B-B

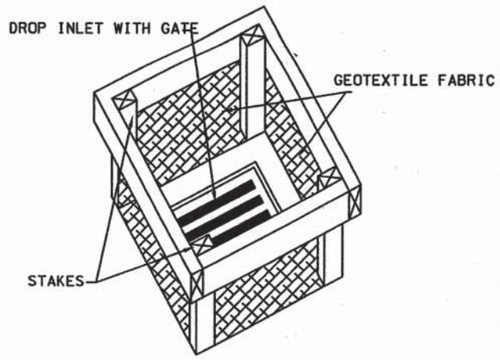


SECTION B-B

NOTES: CULVERT PROTECTION

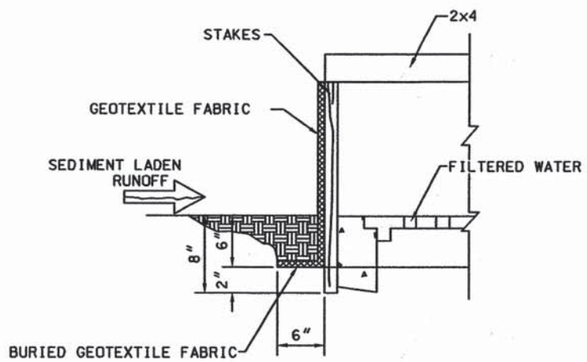
1. WHEN CULVERT PROTECTION IS SPECIFIED, EITHER SOIL RETENTION BLANKETS OR SOIL RETENTION ROCK MAY BE PROVIDED.
2. THE CULVERT PROTECTION WIDTH REQUIRED SHALL BE IN ACCORDANCE WITH THESE DETAILS UNLESS SPECIFIED OTHERWISE.
3. THE SOIL RETENTION BLANKET INSTALLATION SHOWN OUTLINES MINIMUM REQUIREMENTS. MANUFACTURER'S RECOMMENDATIONS SHALL BE USED IF THEY ARE MORE STRINGENT.

CULVERT PROTECTION

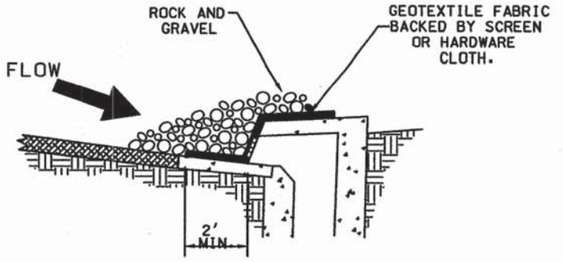


TYPE I

NOTE: WHEN SPECIFIED, ROCKS OR STRAW BALES CAN BE SUBSTITUTED FOR SILT FENCE.



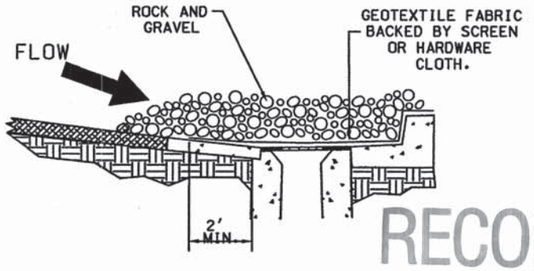
DROP INLET PROTECTION



TYPE I
CURB OPENING

NOTES: GRAVEL INLET PROTECTION

1. THIS INSTALLATION IS FOR A TYPE I CURB DROP INLET ONLY. THE TYPE II, III TO "N" INSTALLATION IS SIMILAR.
2. THE SPACING OF THE LONGITUDINAL BRACING SHALL NOT EXCEED 5 FT.



TYPE II
CURB DROP INLET

RECORD DRAWING

NO.	DATE	REV. BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

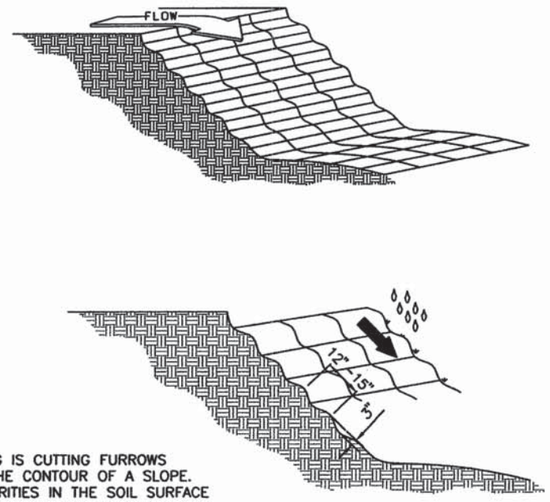
NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

TEMPORARY EROSION & SEDIMENT CONTROL MEASURES
CULVERT & DROP INLET PROTECTION

APPROVED Raymunda Van Hoven 11/29/04
DESIGN ENGINEER DATE

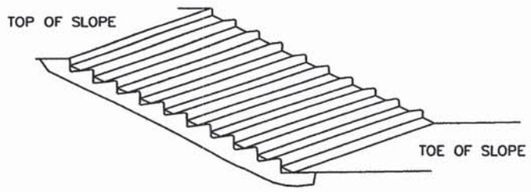
DESIGNED BY___ DRAWN BY___ CHECKED BY___

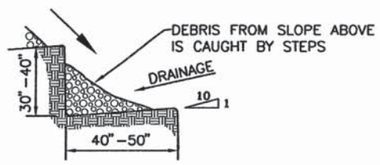
603-01-4/7



GROOVING IS CUTTING FURROWS ALONG THE CONTOUR OF A SLOPE. IRREGULARITIES IN THE SOIL SURFACE CATCH RAINWATER AND PROVIDE SOME RETENTION OF LIME, FERTILIZER AND SEED.

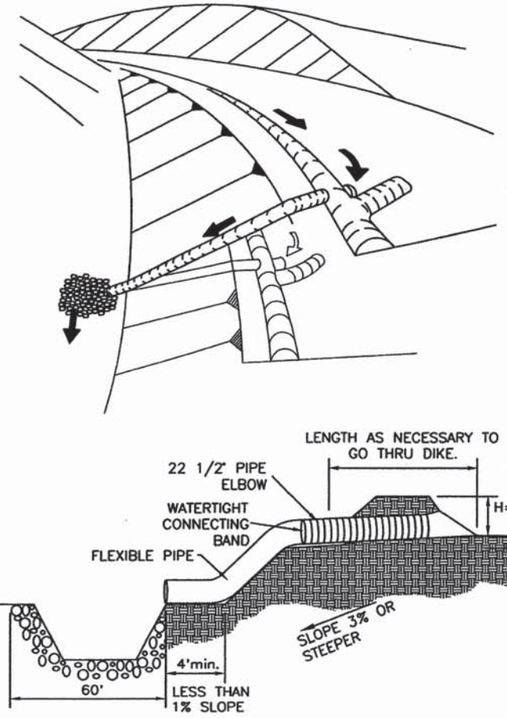
GROOVING SLOPES

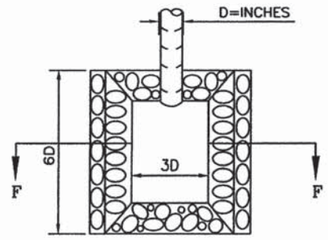




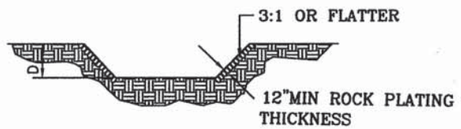
STAIR STEPPING CUT SLOPE

SURFACE ROUGHENING





RIPRAP APRON PLAN



SECTION F-F

SLOPE DRAIN

NOTES: PIPE SLOPE DRAIN

1. THE FLEXIBLE PIPE SHALL BE THE SAME DIAMETER AS THE INLET PIPE AND SHALL BE CONSTRUCTED OF A DURABLE MATERIAL WITH HOLD-DOWN GROMMETS SPACED AT 10 FT. ON CENTER.
2. THE FLEXIBLE PIPE SHALL BE SECURELY FASTENED TO THE CORRUGATED METAL OR HIGH DENSITY POLYETHYLENE PIPE WITH METAL STRAPPING OR WATERTIGHT CONNECTING COLLARS.
3. THE FLEXIBLE PIPE SHALL BE STAKED AT 10 FT. CENTERS ALONG THE SLOPE USING MINIMUM 4 INCH SQUARE WOOD POSTS OR STANDARD STEEL POSTS DRIVEN 2 FT. MINIMUM INTO THE GROUND.
4. RIGID PIPE SHALL BE ANCHORED AT BENDS. ANCHORAGE SHALL CONSIST OF A MINIMUM 4 INCH SQUARE WOOD POSTS OR STANDARD STEEL POSTS DRIVEN 2 FT. MINIMUM INTO GROUND, OR EARTHEN THRUST BLOCK.
5. PAYMENT OF BASIN ITEMS ARE INCIDENTAL TO THE COST OF FLEXIBLE STORM DRAIN PIPE.
6. FOR PIPE DIAMETER ON TEMPORARY SLOPE DRAIN SEE TABLE BELOW

TEMPORARY SLOPE DRAIN PIPES

Runoff Flow Rate (cfs)	Pipe Diameter Required (inches)
0 – 6.0	18
6.0 – 9.0	21
9.0 – 12.0	24
12.0 – 20.0	30

RECORD DRAWING

NO.	DATE	REV. BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

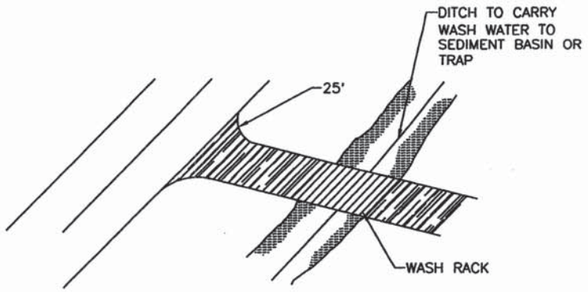
NEW MEXICO
DEPARTMENT OF TRANSPORTATION
STANDARD DRAWING

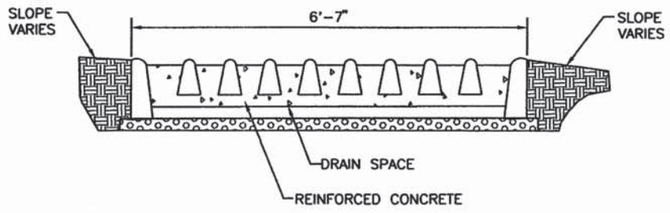
TEMPORARY EROSION & SEDIMENT CONTROL MEASURES PIPE SLOPE DRAIN & SURFACE ROUGHENING

APPROVED Raymond Von Haven 11/29/04
DESIGN ENGINEER DATE

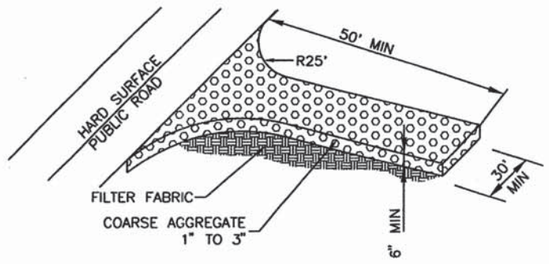
DESIGNED BY___ DRAWN BY ___ CHECKED BY ___

603-01-6/7 SHEET 6 OF 7

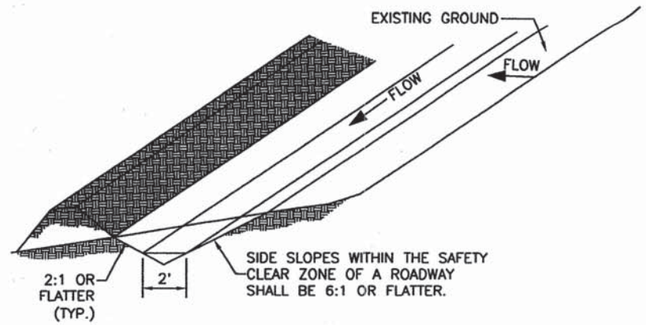




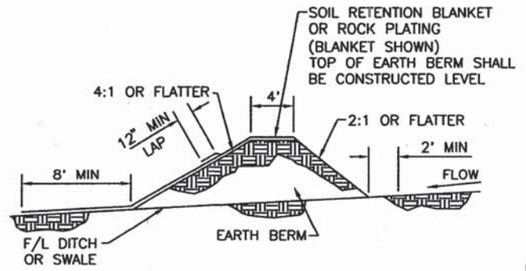
WASH RACK



OFFSITE TRACKING PREVENTION



TYPICAL SWALE CONFIGURATION



FILTER FABRIC DIVERSION DIKE

DIVERSION DIKE

RECORD DRAWING

NO.	DATE	REV. BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

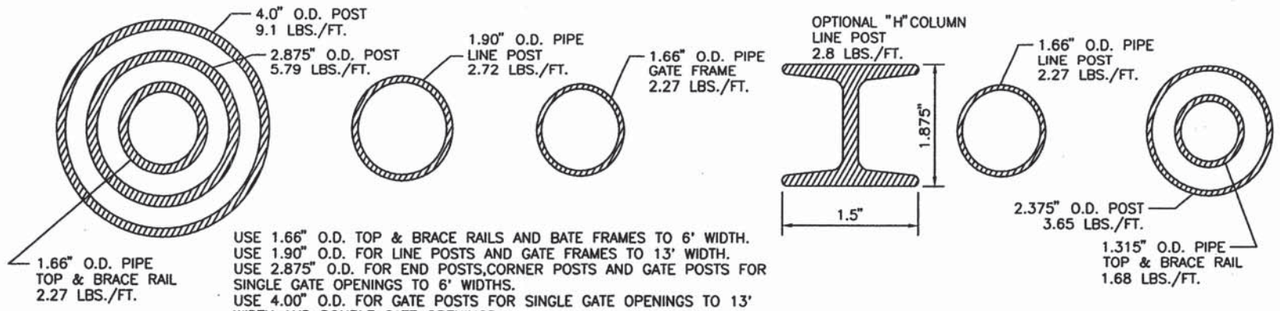
NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

T.E.S.C.M.
OFFSITE TRACKING PREVENTION & DIVERSION DIKE

APPROVED Raymunda Van Hoven 11/24/09
DESIGN ENGINEER DATE

DESIGNED BY___ DRAWN BY ___ CHECKED BY ___

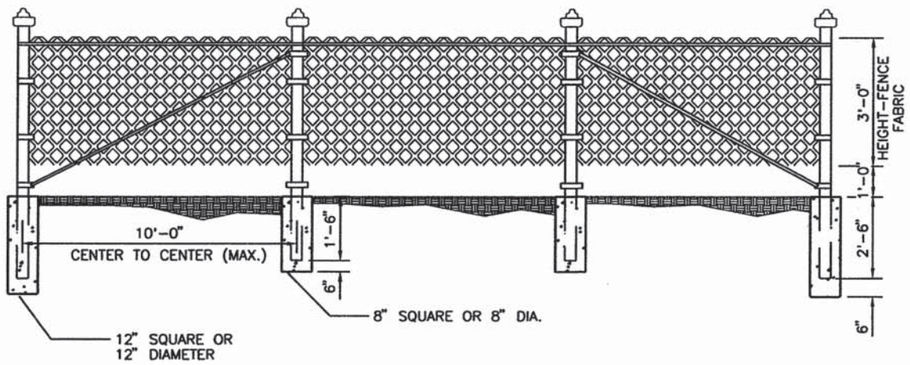
603-01-7/7 SHEET 7 OF 7



USE 1.66" O.D. TOP & BRACE RAILS AND BATE FRAMES TO 6' WIDTH.
USE 1.90" O.D. FOR LINE POSTS AND GATE FRAMES TO 13' WIDTH.
USE 2.875" O.D. FOR END POSTS,CORNER POSTS AND GATE POSTS FOR SINGLE GATE OPENINGS TO 6' WIDTHS.
USE 4.00" O.D. FOR GATE POSTS FOR SINGLE GATE OPENINGS TO 13' WIDTH AND DOUBLE GATE OPENINGS.

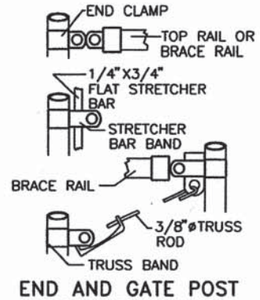
GENERAL NOTES

1. TUBLAR POSTS, BRACES AND TOP RAILS SHALL CONFORM TO THE REQUIREMENTS OF ASTM DESIGNATION F 1083.
2. CHAIN LINK FABRIC SHALL CONFORM TO AASHTO DESIGNATION M-181.
3. ALL CONCRETE TO BE CLASS "A".
4. KNUCKLED SALVAGE SHALL BE USED.
5. DIAMETER (O.D.) SHOWN HEREON ARE NOMINAL SIZES AS ESTABLISHED BY THE AMERICAN STANDARDS ASSOCIATION.

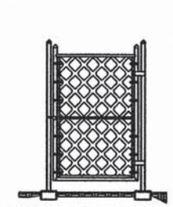


CHAIN LINK 4' ACCESS CONTROL FENCE

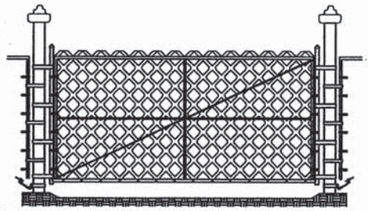
TOP RAIL USE 1.315" O.D.
FOR LINE POSTS USE 1.66" O.D.
FOR END POSTS USE 2.375" O.D.



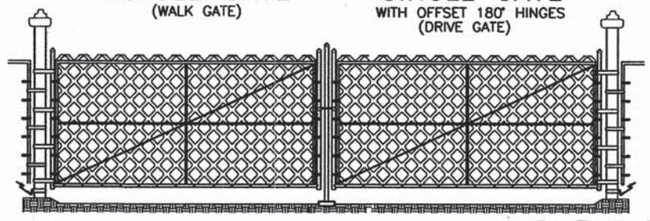
END AND GATE POST CONNECTIONS



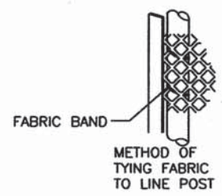
SINGLE GATE
(WALK GATE)



SINGLE GATE
WITH OFFSET 180° HINGES
(DRIVE GATE)

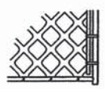


DOUBLE GATE
WITH OFFSET 180° HINGES
(DRIVE GATE)



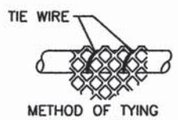
METHOD OF TYING FABRIC TO LINE POST

FITTED GATE CORNER

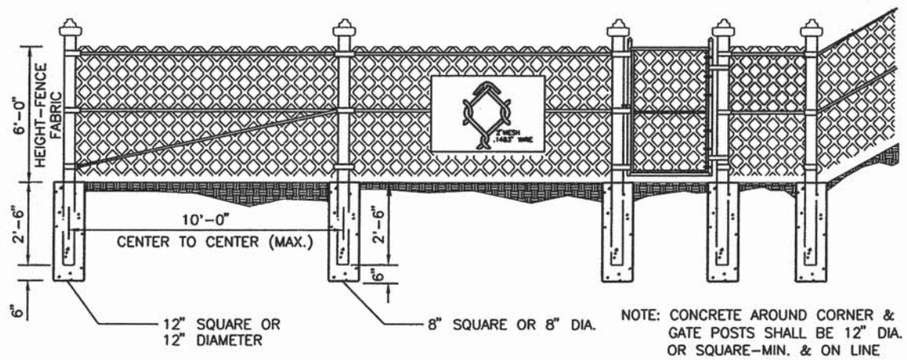


WELDED GATE CORNER

OPTIONAL GATE CORNER TYPES



METHOD OF TYING FABRIC TO TOP & BRACE RAILS AND LINE POSTS



NOTE: CONCRETE AROUND CORNER & GATE POSTS SHALL BE 12" DIA. OR SQUARE-MIN. & ON LINE POSTS 8" DIA. OR SQUARE MIN.

6' CHAIN LINK FENCE WITH GATE

RECORD DRAWING

NO.	DATE	REV. BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

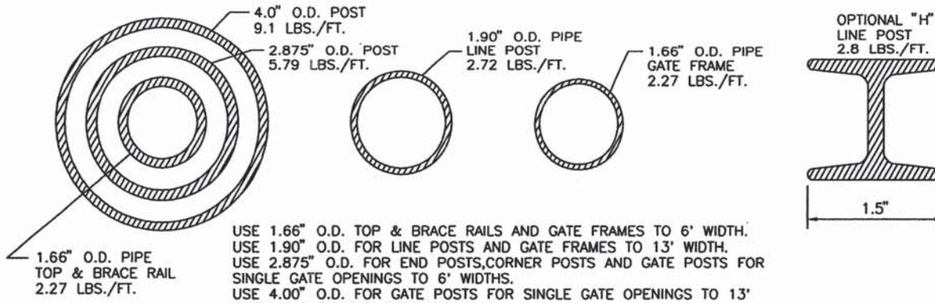
STANDARD CHAIN LINK FENCES AND GATES

APPROVED DP Litt DESIGN ENGINEER 11/29/04 DATE

DESIGNED BY___ DRAWN BY ___ CHECKED BY ___

607-04-1/1 SHEET 1 OF 1

15-14



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USE 1.90" O.D. FOR LINE POSTS AND GATE FRAMES TO 13' WIDTH.
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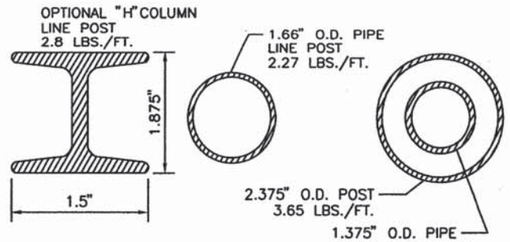
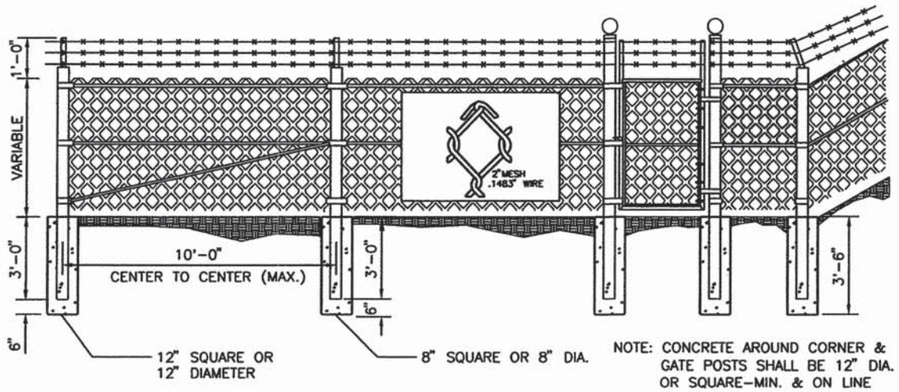
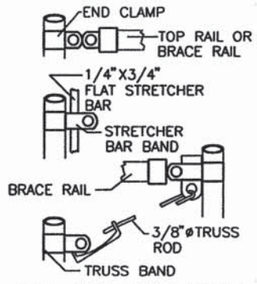


GENERAL NOTES

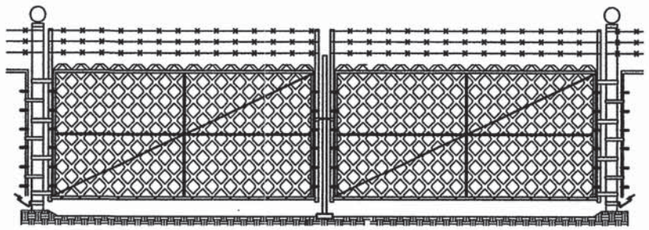
1. TOP AND BOTTOM SELVAGES TO HAVE A TWISTED AND BARBED FINISH.
2. DIAMETER (O.D.) SHALL BE NOMINAL SIZES AS ESTABLISHED BY THE AMERICAN NATIONAL STANDARDS ASSOCIATION.
3. EXTENSION ARMS TO BE HOT-DIP GALVANIZED. LINE POST ARMS TO BE PRESSED STEEL, END AND CORNER POST ARMS TO BE MALLEABLE IRON; GATE POSTS TO HAVE BALL TOP. EACH ARM TO CARRY 3 BARBED WIRES AT AN ANGLE OF 45°. THE TOP MOST BARBED WIRE TO BE APPROXIMATELY 12" ABOVE THE FABRIC AND APPROXIMATELY 12" IN OR CUT FROM FENCE LINE, AS DIRECTED BY THE ENGINEER. ALL BARBED WIRES TO BE SECURELY FASTENED IN SLOTS BY HEAVY WIRE PINS. ARMS HAVING PROJECTIONS TO BE BENT DOWN OVER BARBED WIRE MAY NOT BE USED.
4. TUBULAR POSTS, BRACES AND TOP RAILS SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AASHTO F1083.
5. CHAIN LINK FABRIC SHALL CONFORM TO AASHTO DESIGNATION M-181.



NOTE: CONCRETE AROUND CORNER & GATE POSTS SHALL BE 12" DIA. OR SQUARE-MIN. & ON LINE POSTS 8" DIA. OR SQUARE MIN.



END AND GATE POST CONNECTIONS



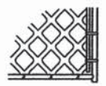
DOUBLE GATE
WITH OFFSET 180° HINGES
(DRIVE GATE)

BARBED TOP & BOTTOM SELVAGES

CROSS SECTION

TOP RAIL TIE WIRES

FITTED GATE CORNER

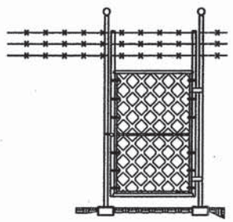


WELDED GATE CORNER

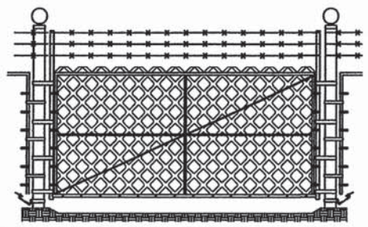
OPTIONAL GATE CORNER TYPES

RECORD DRAWING

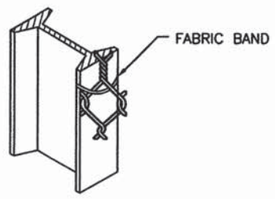
6' CHAIN LINK FENCE WITH GATE



SINGLE GATE
(WALK GATE)

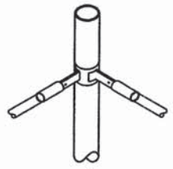


SINGLE GATE
WITH OFFSET 180° HINGES
(DRIVE GATE)

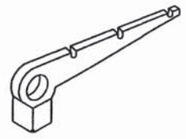


METHOD OF TYING FABRIC LINE POST, TOP AND BRACE RAIL

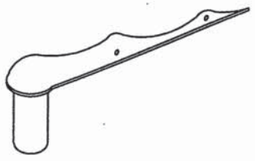
BALL TOP
FOR GATE POSTS



CORNER CLAMP



KEY WIRE LOCKS BARBED WIRE INTO EXTENSION ARM.
(USE ON ROUND OR SQUARE POSTS)



EXTENSION ARM FOR END AND CORNER POST

APPROX. 20' ~C EXPANSION (SPRING) COUPLING AT 100' INTERVALS IN SECTIONS OVER 100'

RAIL COUPLING

NO.	DATE	REV. BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

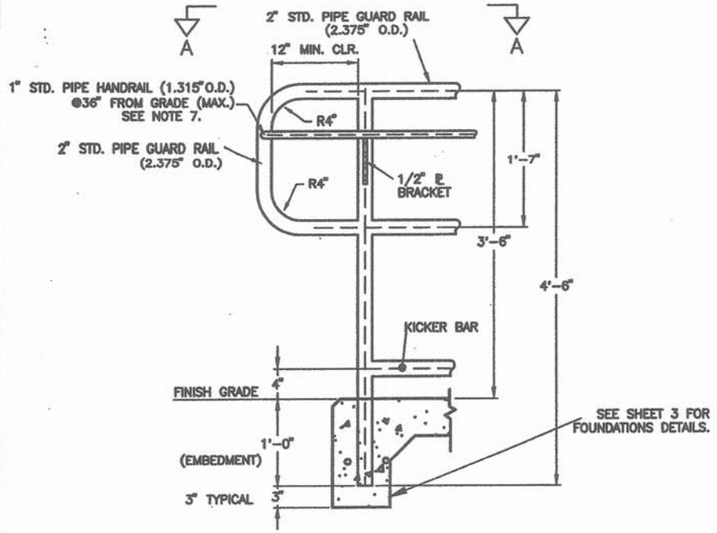
NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

CHAIN LINK SECURITY FENCE

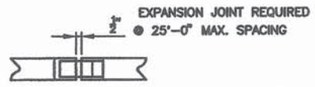
APPROVED DP Lee 11/29/04
DESIGN ENGINEER DATE

DESIGNED BY___ DRAWN BY ___ CHECKED BY ___

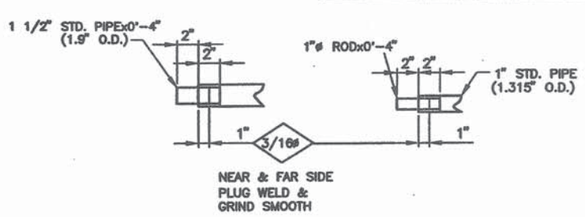
607-06-1/1



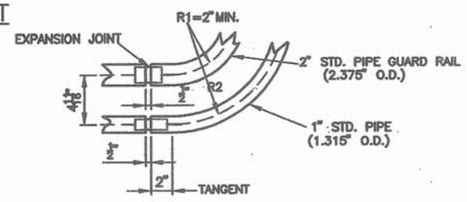
DETAIL @ RAIL END–TYPE A



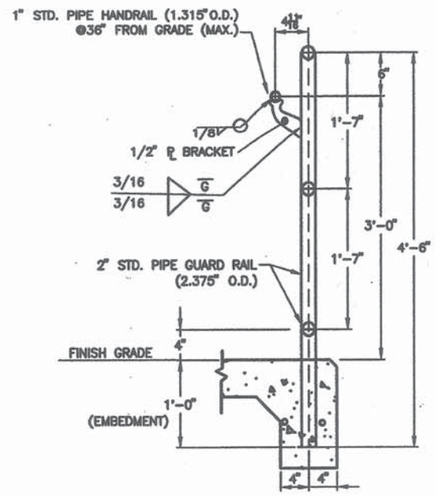
DETAIL @ EXPANSION JOINT



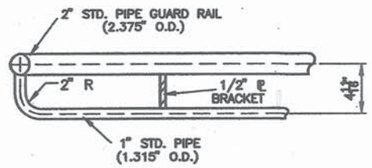
DETAIL @ EXPANSION JOINT INSERTS



DETAIL OF RAIL TRANSITION AT HORIZONTAL CURVE (PLAN VIEW SHOWN)



SECTION THRU RAIL

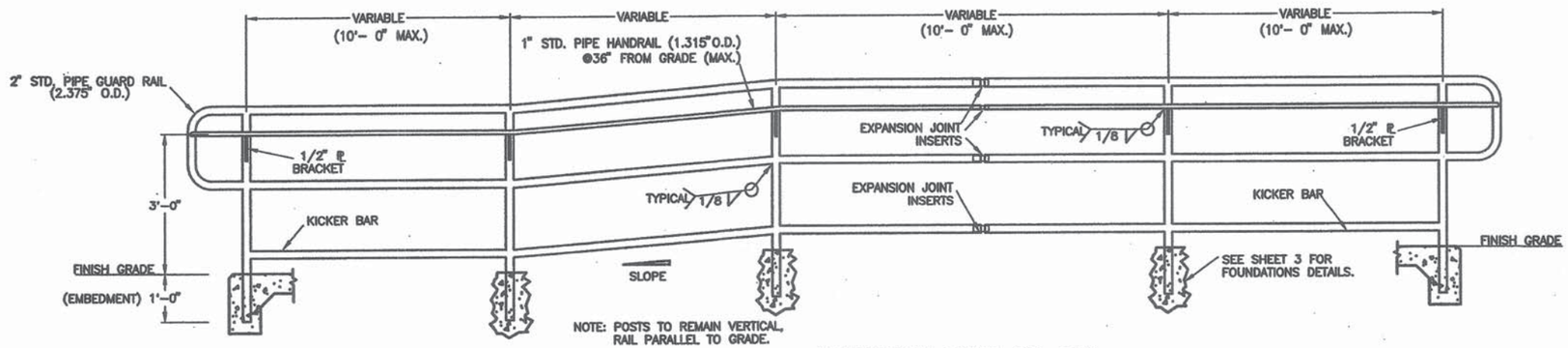


SECTION A–A

END DETAIL OF SIMILAR RAILING

RECORD DRAWING

DETAIL @ RAIL BRACKET
1/2" ℄ BRACKET
REFER TO PAGE 4 FOR FULL SCALE TEMPLATE



ELEVATION VIEW OF RAIL

NO.	DATE	REV. BY	DESCRIPTION
			REVISIONS (OR CHANGE NOTICES)

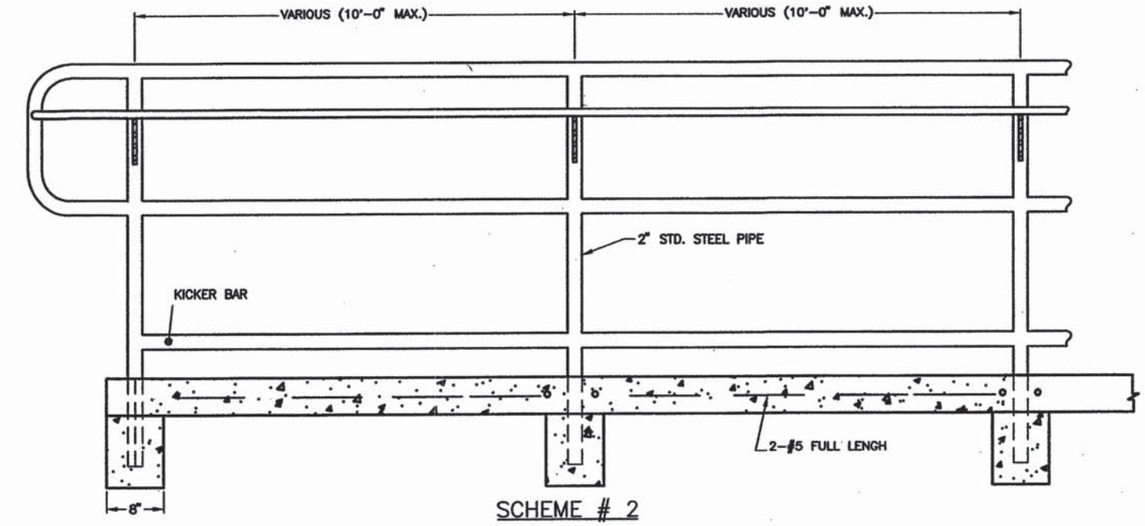
NEW MEXICO
DEPARTMENT OF TRANSPORTATION
STANDARD DRAWING

PEDESTRIAN RAILING
W/HANDHOLD

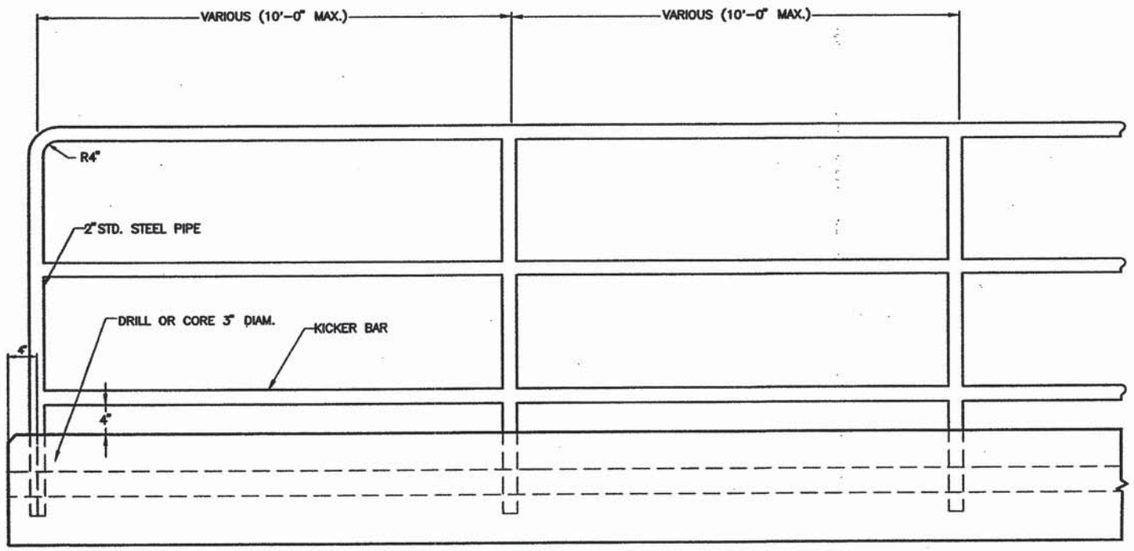
APPROVED _____ DESIGN ENGINEER 3-10-04 DATE

DESIGNED BY T.M DRAWN BY B.J.R CHECKED BY T.M

607–20–2/4 2 OF 4

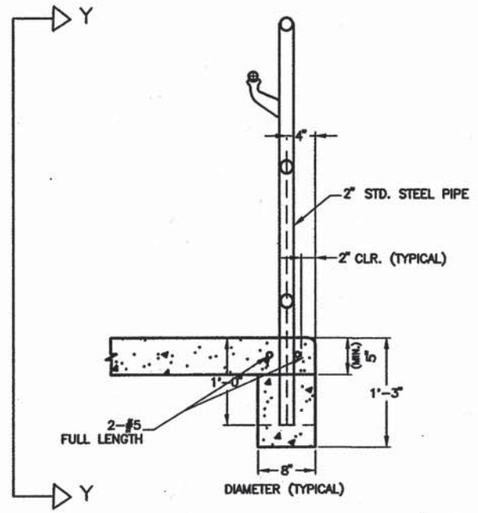


SCHEME # 2
(VIEW Y-Y)

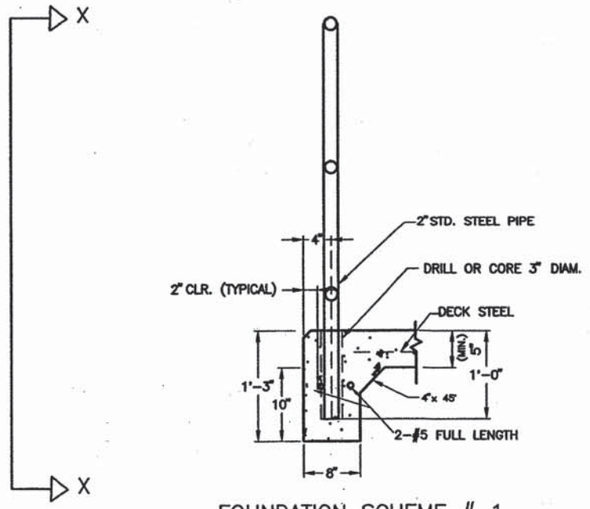


SCHEME # 1
(VIEW X-X)

NOTE: HANDRAILING OMITTED FROM VIEW. REFER TO NOTE 7 ON DRAWING WHEN HANDRAILING IS REQUIRED.



FOUNDATION SCHEME # 2
FOR EDGE OF SIDEWALK INSTALLATION



FOUNDATION SCHEME # 1
FOR BRIDGEDECK OR EDGE OF SIDEWALK INSTALLATION

RECORD DRAWING

NO.	DATE	REV. BY	DESCRIPTION
REVISIONS (OR CHANGE NOTICES)			

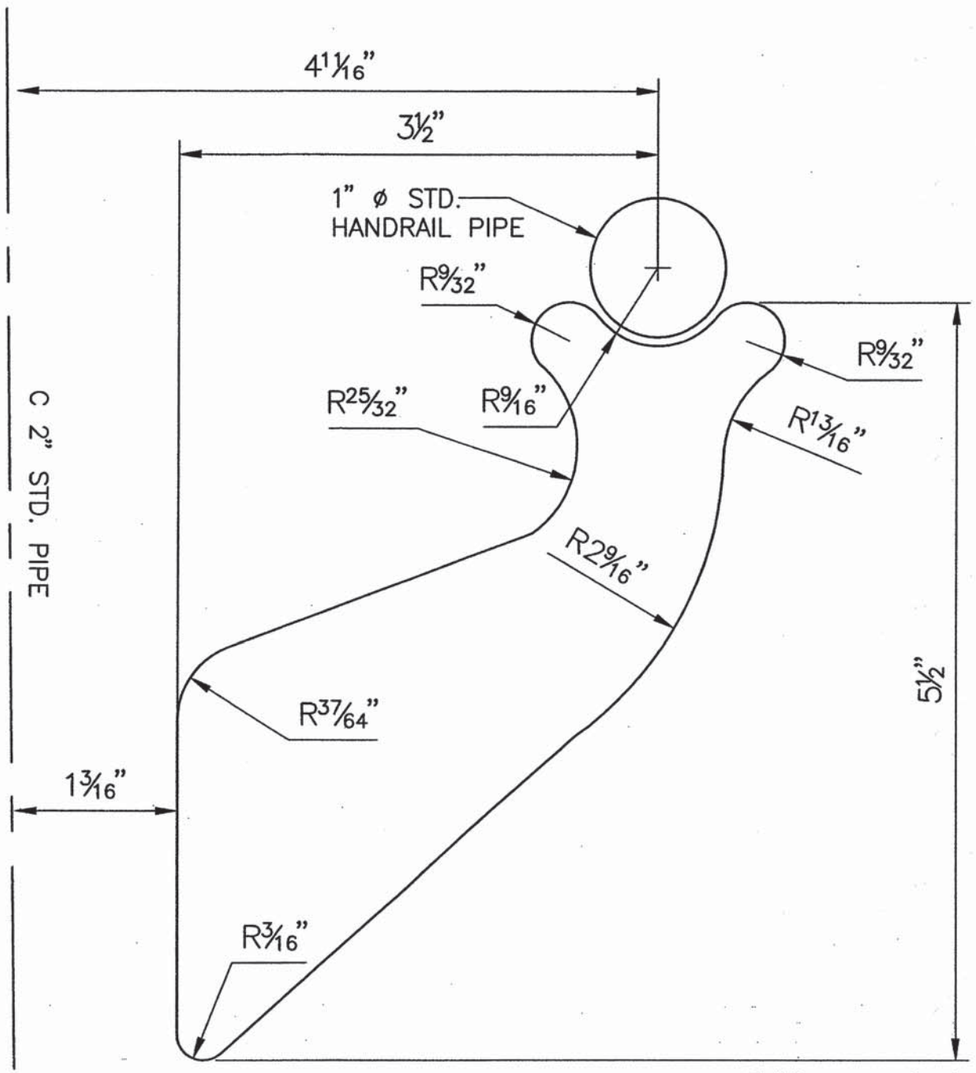
NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

PEDESTRIAN RAILING WITH/HANDHOLD

APPROVED _____ DESIGN ENGINEER 3-10-04 DATE

DESIGNED BY T.M DRAWN BY B.J.R CHECKED BY T.M

607-20-3/4 3 OF 4



FULL SCALE RAIL BRACKET FOR HANDHOLD

RECORD DRAWING

NO.	DATE	REV. BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO
DEPARTMENT OF TRANSPORTATION
STANDARD DRAWING

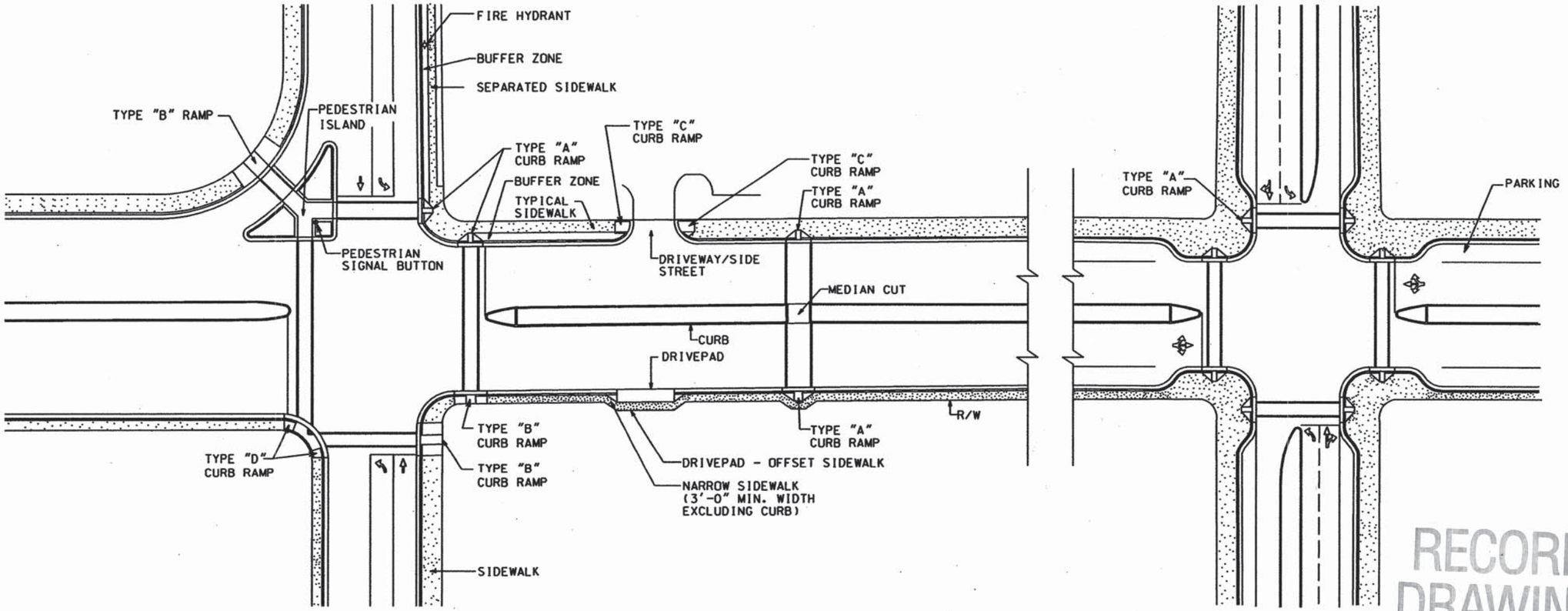
PEDESTRIAN
RAILING

APPROVED _____ DESIGN ENGINEER 3-10-04 DATE

DESIGNED BY T.M. DRAWN BY B.J.R. CHECKED BY T.M.

607-20-4/4 4 OF 4

15-18



RECORD DRAWING

NO.	DATE	REV. BY	DESCRIPTION
			REVISIONS (OR CHANGE NOTICES)

NEW MEXICO DEPARTMENT OF TRANSPORTATION

PEDESTRIAN ACCESS DETAILS
TYPICAL CURB RAMP LOCATIONS

APPROVAL RECOMMENDED _____ ENGINEER 12/31/03 DATE

N.T.S. PAD-001 01/01/04 Sheet 1 of 10

NEW CONSTRUCTION - GENERAL NOTES:

1.) THESE DRAWINGS PROVIDE GUIDANCE FOR COMPLIANCE WITH THE CURRENT AMERICANS WITH DISABILITIES ACT (ADA) AND STATE CODE. THESE STANDARDS SHALL APPLY TO ALL NEW AND ALTERED SIDEWALKS.
2.) ANY DESIGN DEVIATION FROM THESE STANDARDS SHALL BE APPROVED BY THE NMDOT ADA COMPLIANCE COMMITTEE.
3.) SURFACES SHALL BE STABLE, FIRM, AND SLIP RESISTANT. SIDEWALK AND CURB RAMP SURFACES SHALL PROVIDE CONSISTENT SLOPES WITHIN EACH SECTION.
4.) ALL BROOM FINISHES SHALL BE PERPENDICULAR TO THE DIRECTION OF PEDESTRIAN TRAVEL.
5.) A VERTICAL CHANGE OF $^1/_4$ INCH (6mm) OR LESS IS ALLOWED. IF BETWEEN $^1/_4$ INCH AND $^1/_2$ INCH (6mm AND 13mm), THEN IT NEEDS TO BE BEVELED 2:1. CHANGES GREATER THAN $^1/_2$ INCH SHALL BE RAMPED.
6.) OPENINGS OR CRACKS IN SIDEWALK SURFACES SHALL NOT EXCEED $^1/_2$ INCH (13mm). ELONGATED OPENINGS SHOULD BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR OR DIAGONAL TO THE DOMINANT DIRECTION OF TRAVEL.

SIDEWALKS

7.) SIDEWALKS, CURB AND GUTTER CONSTRUCTION SHALL BE N ACCORDANCE WITH SERIAL BSCG-001. (SWCG-001).
8.) THE LEAST POSSIBLE SLOPES SHALL BE USED FOR SIDEWALKS. SIDEWALK RUNNING SLOPE SHALL NOT EXCEED 5% (20:1). AT LOCATIONS WHERE THE RIGHT-OF-WAY IS RESTRICTIVE, THE SIDEWALK RUNNING SLOPE MAY FOLLOW THE ROAD PROFILE.
9.) SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% (50:1).
10.) SIDEWALKS SHALL HAVE A MINIMUM WIDTH OF 60". EXCLUDING THE CURB. EXCEPTION: A 36" WIDE SIDEWALK MAY BE USED WHERE THE RIGHT-OF-WAY IS RESTRICTED. WHERE THE SIDEWALK IS LESS THAN 60" WIDE, A PASSING SPACE SHALL BE PROVIDED EVERY 200 LINEAR FEET, WHEREVER FEASIBLE. PASSING SPACES SHALL BE A MINIMUM OF 60"X60" WITH 45 DEGREE TRANSITION TAPERS, 5% (20:1) MAXIMUM RUNNING SLOPES, AND 2% (50:1) MAXIMUM CROSS SLOPES.
11.) ANY SIGN POSTS, UTILITY POLES, FIRE HYDRANTS, TRAFFIC SIGNAL STANDARDS, LIGHT POLES, ETC. IN THE SIDEWALK SHALL NOT REDUCE THE CLEAR WIDTH TO LESS THAN 32" FOR MORE THAN 24" LENGTH.

CURB RAMPS

12.) THE LEAST POSSIBLE CURB RAMP SLOPE SHALL BE USED. FOR COMPLIANCE WITH NMDOT PEDESTRIAN ACCESS DETAILS, CURB RAMP RUNNING SLOPE SHALL NOT EXCEED 6.7% (15:1). WHERE EXISTING TERRAIN IS STEEP, CURB RAMPS NEED NOT EXCEED 15 FEET IN LENGTH.
13.) PROVIDE A FLUSH TRANSITION BETWEEN RAMPS, SIDEWALKS, GUTTER, AND EDGE OF PAVEMENT, FREE OF DRAINAGE LIP, ABRUPT GRADE CHANGES, DROP-OFFS, OR ANY SURFACE IRREGULARITIES. A 5% (20:1) OR FLATTER TRANSITION TAPER SHALL BE PROVIDED FROM THE STREET TO THE GUTTER FOR CURB RAMP LOCATIONS (THIS MAY REQUIRE SPECIAL TREATMENT OF THE EDGE OF O.G.F.C.) WHEN DIAGONAL (NOT IN LINE WITH CROSSWALKS) RAMPS ARE NECESSARY. A 2% (50:1) TRANSITION OR "LOWER LANDING" SHALL BE PROVIDED. THE GUTTER RUNNING SLOPE (FLOW LINE) SHALL NOT EXCEED 2% MEASURED ALONG THE BOTTOM OF THE RAMP.
14.) CURB RAMPS SHALL BE LOCATED TO PROVIDE THE MOST DIRECT ROUTE OF TRAVEL ACROSS THE TRAFFIC LANES.
15.) TWO DIRECTIONAL (IN LINE WITH THE CROSSWALKS) RAMPS PER CORNER ARE USED IN ORDER TO PROVIDE SHORT AND DIRECT CROSSINGS FOR THE USER.
16.) SIGN POSTS, UTILITY POLES, FIRE HYDRANTS, TRAFFIC SIGNAL STANDARDS, LIGHT POLES, PULL BOXES, METERS, VALVES, ETC.. SHALL NOT BE LOCATED IN THE CURB RAMP INCLUDING SIDE FLARES AND LANDINGS.
17.) IN ORDER TO BETTER ACCOMMODATE CONDITIONS IN THE FIELD, THE CONTRACTOR SHALL OBTAIN FINAL APPROVAL OF CURB RAMP LOCATIONS FROM THE PROJECT MANAGER AND THE DISTRICT TRAFFIC ENGINEER. WHEN NECESSITATED BY EXISTING PHYSICAL CONDITIONS, ALTERNATE CURB RAMPS MUST BE SUBMITTED TO THE PROJECT MANAGER FOR APPROVAL BY THE DISTRICT TRAFFIC ENGINEER.

LANDINGS

18.) LANDINGS SHALL BE A MINIMUM OF 60"X60". SLOPES SHALL NOT EXCEED 2% (50:1) IN ALL DIRECTIONS.

CROSSWALKS

19.) ACCESSIBLE PEDESTRIAN CROSSINGS SHALL BE WITHIN THE MARKED CROSSWALK.

DETECTABLE WARNINGS

20.) DETECTABLE WARNINGS ARE REQUIRED AT ALL STREET INTERSECTIONS, SIGNALIZED DRIVEWAYS, COMMERCIAL DRIVEWAYS 30' WIDE OR GREATER, AND MARKED MID-BLOCK CROSSWALKS.

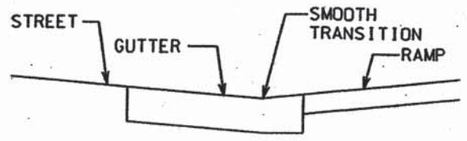
PEDESTRAIN SIGNALS

21.) A PARALLEL OR FORWARD APPROACH OF 30" WIDE BY 48" LONG WITH SLOPES IN ALL DIRECTIONS NOT EXCEEDING 2% (50:1) SHALL BE PROVIDED FOR ACCESS TO THE PEDESTRIAN SIGNAL BUTTON(S).
22.) PEDESTRIAN SIGNAL BUTTONS SHALL BE CENTERED EITHER IN FRONT OF OR ADJACENT TO THE APPROACH AREA DESCRIBED ABOVE.
23.) PEDESTRIAN SIGNAL BUTTONS SHALL BE LOCATED IN ACCORDANCE WITH ACCESSIBILITY REQUIREMENTS OF THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES WITHIN A HORIZONTAL REACH OF 0" TO 10" AND SHALL BE WITHIN 36" TO 46" ABOVE THE SIDEWALK SURFACE.

ALTERATIONS TO EXISTING FACILITIES - GENERAL NOTES:

ADDITIONS OR ALTERATIONS TO ANY FACILITY SHALL CONFORM TO THE REQUIREMENTS OF THE NEW CONSTRUCTION STANDARDS WITHIN THE NMDOT PEDESTRIAN ACCESS DETAILS. ADDITIONS OR ALTERATIONS SHALL NOT BE MADE TO AN EXISTING FACILITY WHICH WILL CAUSE THE EXISITNG FACILITY TO BE IN VIOLATION OF ANY PROVISION OF THE NMDOT PEDESTRIAN ACCESS DETAILS. WHERE IT IS TECHNICALLY INFEASIBLE TO COMPLY WITH NEW CONSTRUCTION STANDARDS OF THE NMDOT PEDESTRIAN ACCESS DETAILS THE FOLLOWING OPTIONS MAY BE USED:

24.) WHERE IT IS NOT FEASIBLE TO INSTALL TWO CURB RAMPS PER CORNER, A SINGLE DIAGONAL CURB RAMP MAY BE USED AFTER RECEIVING APPROVAL FROM THE NMDOT ADA COMPLIANCE COMMITTEE.
25.) WHERE RIGHT-OF-WAY IS RESTRICTED, CURB RAMP LANDINGS MAY BE 4' X 4'.
26.) DEFINITION OF TECHNICALLY INFEASIBLE: IN THE CONTEXT OF THESE DRAWINGS, WITHIN A ROADWAY OR IMMEDIATE ROADSIDE ENVIRONMENT, MEANS WITH RESPECT TO AN ALTERATION OF A FACILITY, THAT IT HAS LITTLE LIKELIHOOD OF BEING ACCOMPLISHED BECAUSE EXISTING SITE CONDITIONS WOULD REQUIRE SUBSTANTIALLY ALTERING EXISTING DRAINAGE PATTERNS; TRAFFIC FLOW OR SAFETY; OR BECAUSE OTHER EXISTING PHYSICAL INFRASTRUCTURE OR SITE CONSTRAINTS PROHIBIT MODIFICATION OR ADDITION OF ELEMENTS, SPACES, OR FEATURES WHICH ARE IN FULL AND STRICT COMPLIANCE WITH THE MINIMUM REQUIREMENTS FOR NEW CONSTRUCTION AND WHICH ARE NECESSARY TO PROVIDE ACCESSIBILITY.
27.) WHERE RIGHT-OF-WAY IS RESTRICTED, CURB RAMP SLOPES MAY BE 12:1.



RAMP TO LANDING TRANSITION

RECORD DRAWING

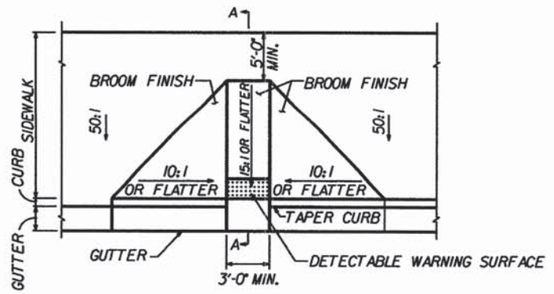
NO.	DATE	REV. BY	DESCRIPTION
			REVISIONS (OR CHANGE NOTICES)

NEW MEXICO DEPARTMENT OF TRANSPORTATION

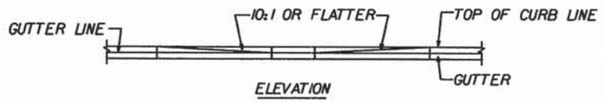
PEDESTRIAN ACCESS DETAILS
TYPICAL CURB RAMPS

APPROVAL RECOMMENDED _____ ENGINEER 3/9/04 DATE

N.T.S.



PLAN



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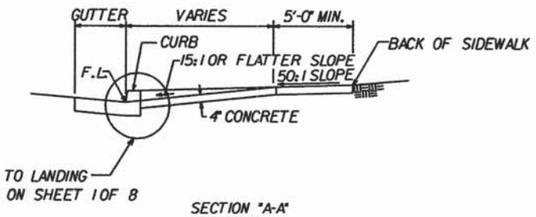
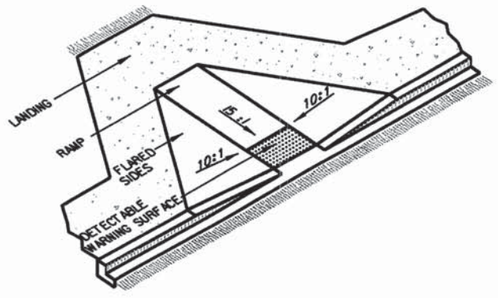
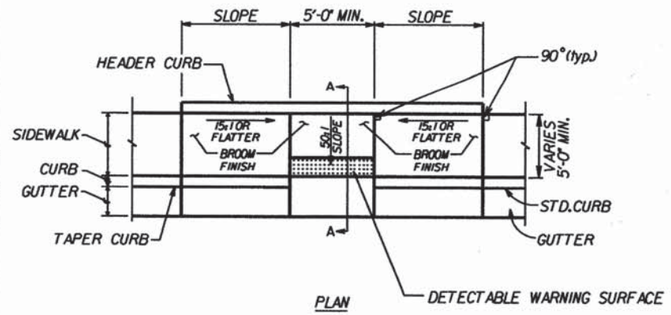


SECTION "A-A"

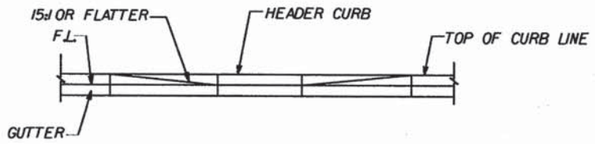


ISOMETRIC

TYPE A
CURB RAMP



PLAN



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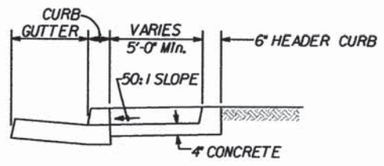

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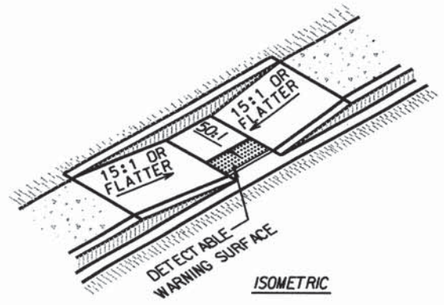
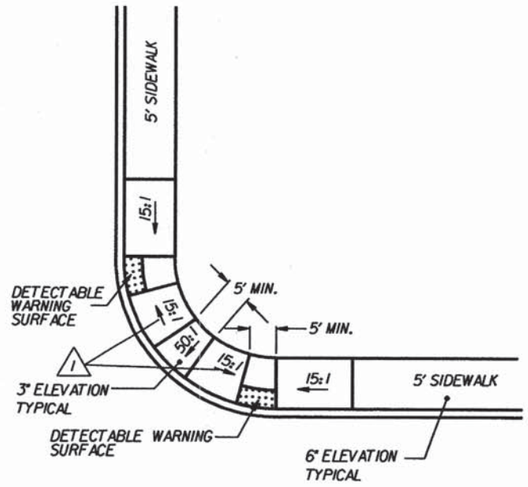


ISOMETRIC

TYPE B
PARALLEL CURB RAMP



TYPE B
PARALLEL CURB RAMPS TWO DIRECTIONS

RECORD DRAWING

METRIC CONVERSIONS

5'-0"	-	1525mm
4'-0"	-	1220mm
3'-0"	-	915mm
2'-0"	-	610mm
6"	-	150mm
4"	-	100mm
10:1	-	1:10
15:1	-	1:15
22:1	-	1:22
50:1	-	1:50

NO.	DATE	REV. BY	DESCRIPTION
1	8/08/04	R.GARCIA	REVERSED FLOWLINES

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO DEPARTMENT OF TRANSPORTATION

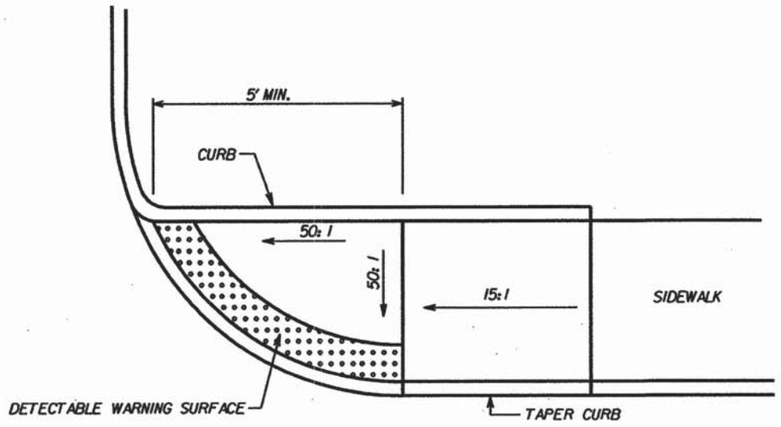
PEDESTRIAN ACCESS DETAILS
CURB RAMP DETAILS
TYPE "A" & TYPE "B"

APPROVAL RECOMMENDED _____ 8-09-04
ENGINEER DATE

N.T.S.

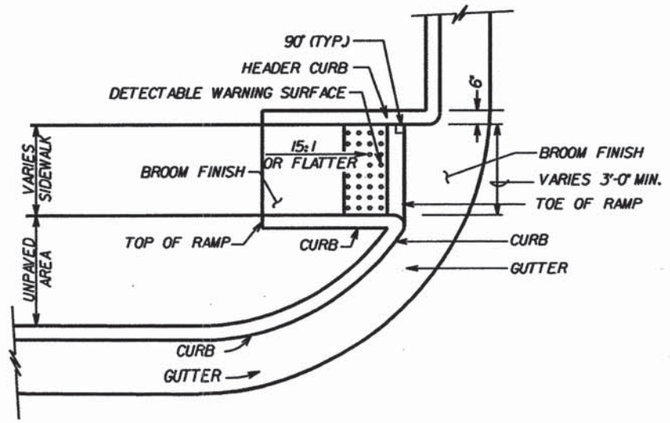
PAD-001 01/01/04 Sheet 3 of 10

15-21



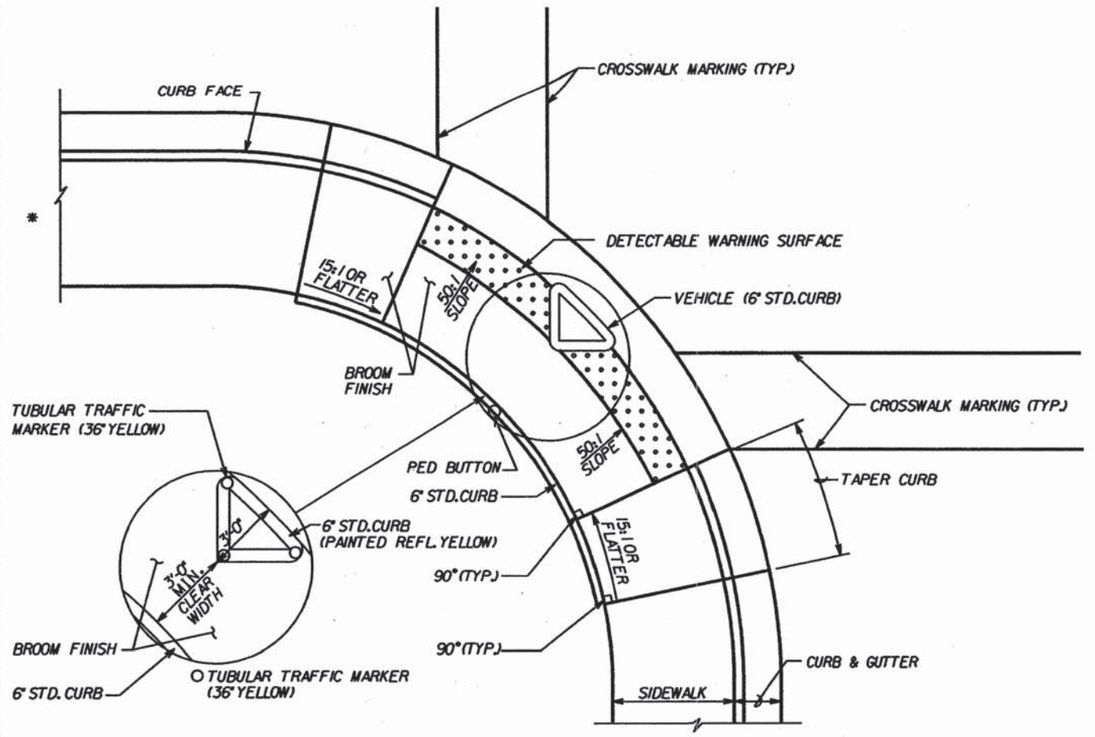
TYPE C

N.T.S.



TYPE C
WITH BUFFER

N.T.S.



TYPE D
PARALLEL CURB RAMPS W/LARGE BOTTOM LANDING

*TRANSITION TO EXISTING SIDEWALK AS FIELD CONDITIONS PERMIT.

RECORD DRAWING

NO.	DATE	REV. BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO DEPARTMENT OF TRANSPORTATION

PEDESTRIAN ACCESS DETAILS
CURB RAMP DETAILS
TYPE C AND TYPE D

METRIC CONVERSIONS

6'-0"	-	1829mm
3'-0"	-	915mm
6"	-	50mm
10:1	-	1:10
12:1	-	1:12
15:1	-	1:15
50:1	-	1:50

APPROVAL RECOMMENDED _____ ENGINEER 12/31/03 DATE

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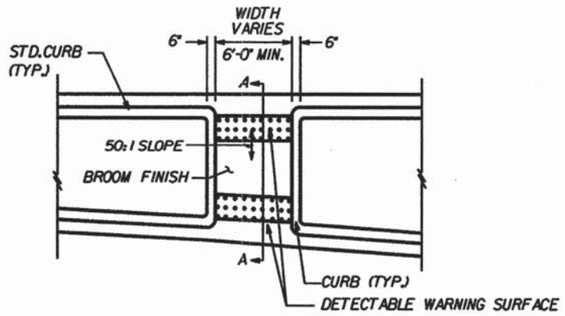
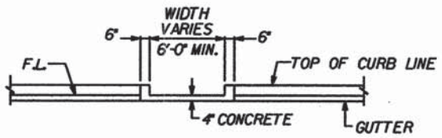
15-22



PLAN



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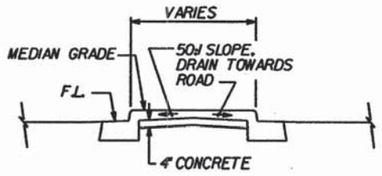

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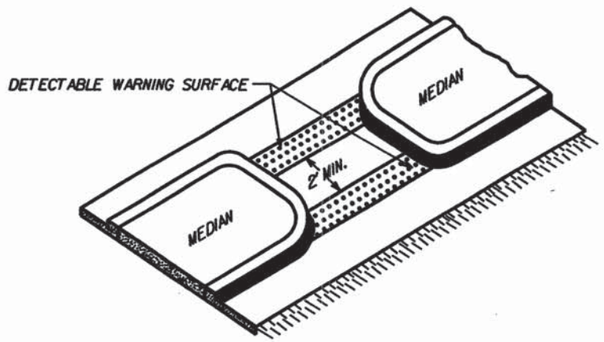
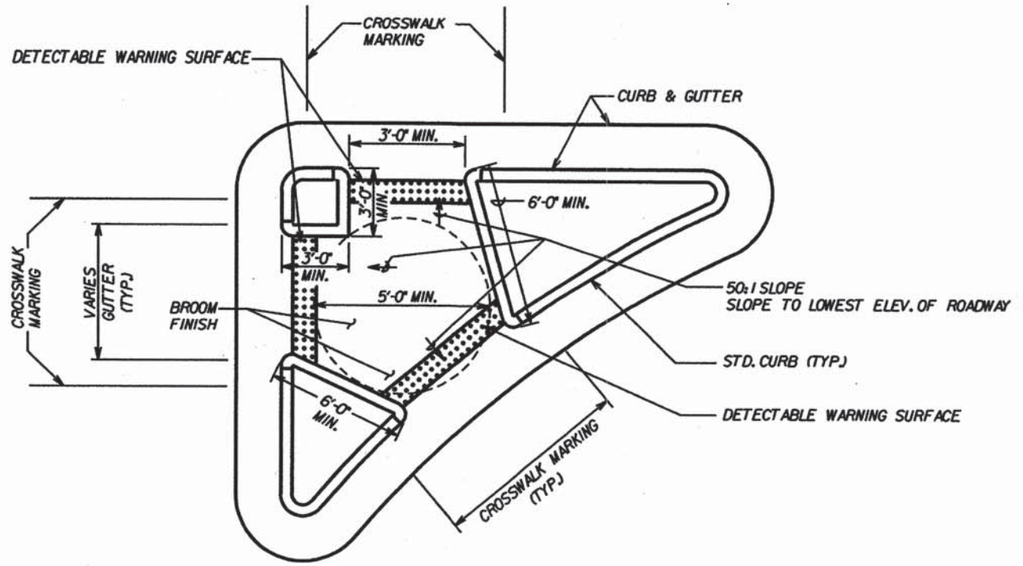


ISOMETRIC

MEDIAN CUT

N.T.S.



PEDESTRIAN ISLAND

N.T.S.

METRIC CONVERSIONS		
6'-0"	-	1829mm
3'-0"	-	915mm
2'-0"	-	610mm
5'-0"	-	1525mm
36"	-	915mm
6"	-	150mm
12:1	-	1:12
50:1	-	1:50

NO.	DATE	REV. BY	DESCRIPTION

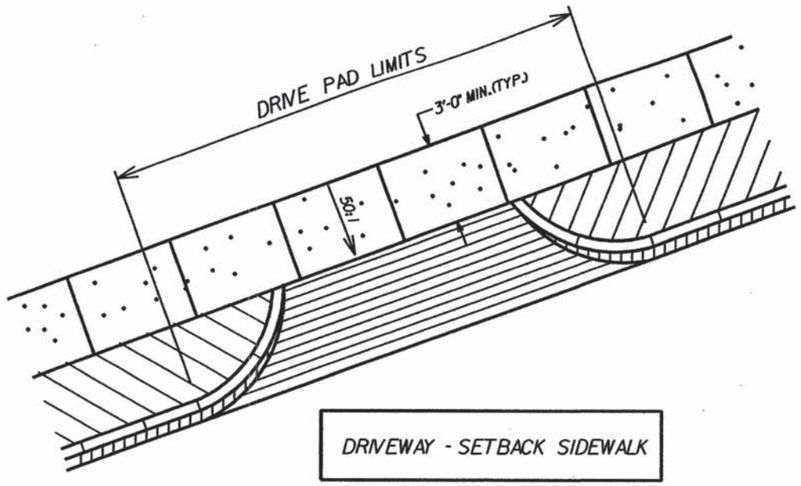
REVISIONS (OR CHANGE NOTICES)

NEW MEXICO DEPARTMENT OF TRANSPORTATION

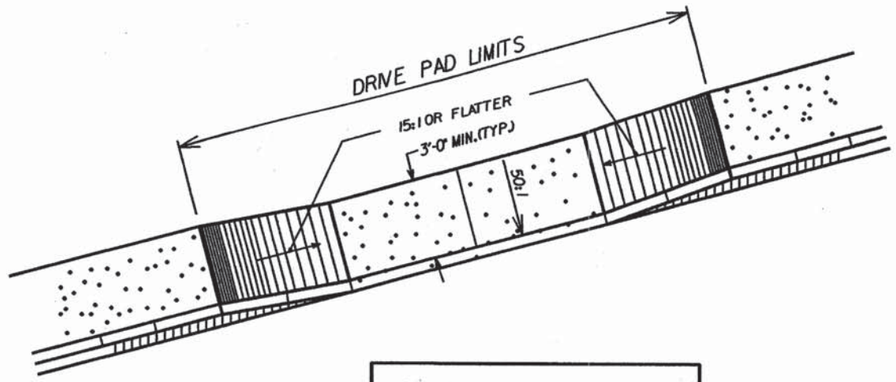
PEDESTRIAN ACCESS DETAILS
MEDIAN CUT DETAILS
PEDESTRIAN ISLAND

APPROVAL RECOMMENDED _____ ENGINEER 12/3/03 DATE

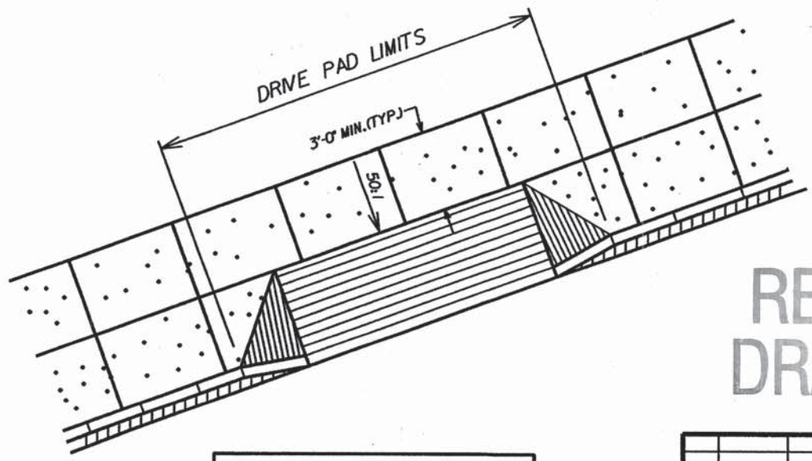
PAD-001 01/01/04 Sheet 6 of 10



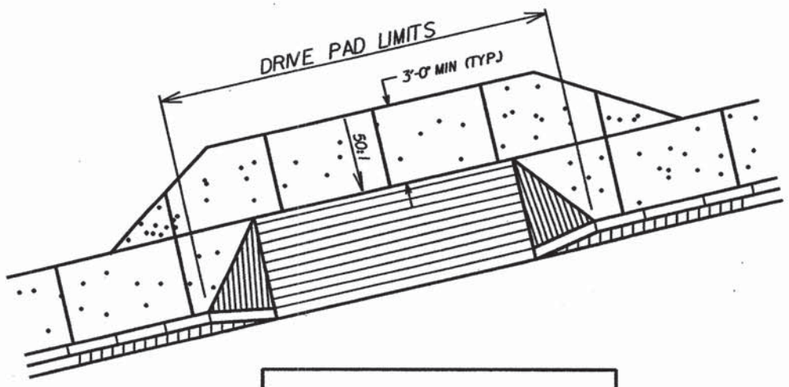
DRIVEWAY - SETBACK SIDEWALK



DRIVEPAD - RAMP SIDEWALK



DRIVEPAD - WIDE SIDEWALK



DRIVEPAD - OFFSET SIDEWALK

RECORD DRAWING

N.T.S.

NO.	DATE	REV. BY	DESCRIPTION
			REVISIONS (OR CHANGE NOTICES)

NEW MEXICO DEPARTMENT OF TRANSPORTATION

PEDESTRIAN ACCESS DETAILS
TYPICAL
DRIVEWAY / DRIVEPAD APRONS
ISOMETRIC VIEWS

APPROVAL RECOMMENDED _____ ENGINEER 12/31/03 DATE

METRIC CONVERSIONS

3'-0"	-	915mm
12:1	-	1:12
48:1	-	1:48
50:1	-	1:50

PAD-001 01/01/04 Sheet 7 of 10

ACCESSIBLE ROUTES:

ACCESSIBLE EXTERIOR ROUTES SHALL BE PROVIDED FROM TRANSPORTATION STOPS. ACCESSIBLE PARKING AND ACCESSIBLE PASSENGER LOADING ZONES AND PUBLIC SIDEWALKS TO THE ACCESSIBLE BUILDING ENTRANCE THEY SERVE.

ACCESSIBLE PARKING REQUIREMENTS:

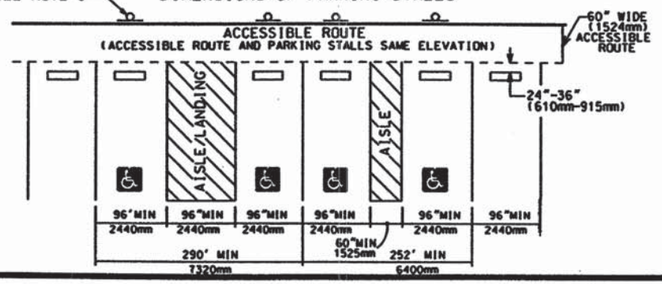
1. EACH LOT SHALL PROVIDE ACCESSIBLE PARKING SPACES IN COMPLIANCE WITH THE FOLLOWING TABLE:

NUMBER OF ACCESSIBLE PARKING SPACES

TOTAL PARKING SPACES	TOTAL REQUIRED ACCESSIBLE PARKING SPACES	NUMBER REQUIRED TO BE VAN ACCESSIBLE
1-25	1	1
26-35	2	1
36-50	3	1
51-100	4	1
101-300	8	1
301-500	12	2
501-800	16	2
801-1.000	20	3
OVER 1.000	20 SPACES PLUS 1 SPACE FOR EVERY 100 SPACES. OR FRACTION THEREOF. OVER 1.000	1 OF EVERY 8 ACCESSIBLE PARKING SPACES. OR FRACTION THEREOF

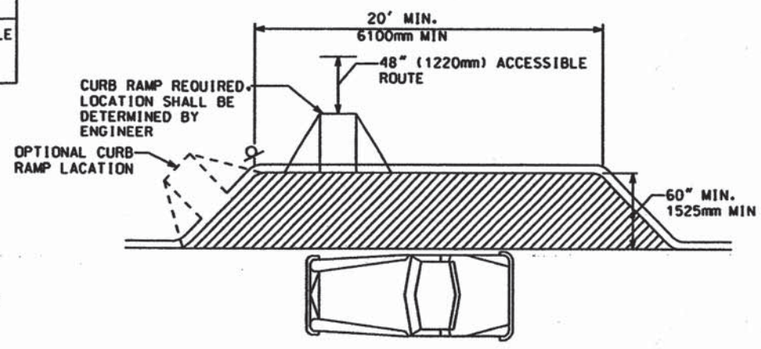
2. CAR AND VAN PARKING SPACES SHALL BE 96 INCHES (2440 mm) WIDE MINIMUM AND SHALL HAVE AN ADJACENT ACCESS AISLE.
3. ACCESS AISLES SERVING PARKING SPACES SHALL CONNECT TO THE BUILDING OR FACILITY ENTRANCE BY AN ACCESSIBLE SIDEWALK. TWO PARKING SPACES SHALL BE PERMITTED TO SHARE A COMMON ACCESS AISLE. THE VAN ACCESS AISLE IS PREFERRED TO BE AT THE RIGHT SIDE (PASSENGER SIDE) OF THE PARKING SPACE. (AN ACCESSIBLE SIDEWALK IS 36 INCHES (915mm) MINIMUM CLEAR WIDTH. 50:1 MAXIMUM CROSS SLOPE WITH A RUNNING SLOPE OF 20:1 MAXIMUM OR THE RUNNING SLOPE MAY FOLLOW THE ADJACENT ROAD PROFILE GRADE.) PARKED VEHICLE OVERHANGS SHALL NOT REDUCE THE MINIMUM 36 INCH (915mm) CLEAR WIDTH OF AN ACCESSIBLE ROUTE.
4. ACCESS AISLES SERVING CAR PARKING SPACES SHALL BE 60 INCHES (1525mm) WIDE MINIMUM. ACCESS AISLES SERVING VAN PARKING SPACES SHALL BE 96 INCHES (2440mm) WIDE MINIMUM.
5. ACCESS AISLES SHALL EXTEND THE FULL LENGTH OF THE PARKING SPACES THEY SERVE.
6. ACCESS AISLES SHALL BE MARKED.
7. PARKING SPACES AND ACCESS AISLES SHALL HAVE SURFACE SLOPES NOT STEEPER THAN 50:1. ACCESS AISLES SHALL BE AT THE SAME LEVEL AS THE PARKING SPACES THEY SERVE.
8. PARKING SPACES FOR VANS SHALL HAVE A VERTICAL CLEARANCE OF 98 INCHES (2490mm) MINIMUM AT THE SPACE AND ALONG THE VEHICULAR ROUTE THERETO.
9. EACH ACCESSIBLE PARKING SPACE SHALL BE IDENTIFIED BY A SIGN ON A POST. SIGNS SHALL INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. THE CLEARANCE TO THE BOTTOM OF THE SIGN (R7-8) SHALL BE AT LEAST 7 FEET (2100mm). LOCATED AT THE HEAD OF THE PARKING SPACE. VAN ACCESSIBLE PARKING SPACES SHALL HAVE AN ADDITIONAL SIGN (R7-8A) MOUNTED BELOW THE INTERNATIONAL SYMBOL OF ACCESS IDENTIFYING THE SPACE AS "VAN ACCESSIBLE."
10. PARKING SPACE AND ACCESS AISLES SHALL HAVE OSHA SAFETY BLUE STRIPING. STRIPING SHALL BE 4 INCHES (100mm) WIDE. ACCESS AISLES STRIPING SHALL BE 30 INCHES (760mm) ON CENTER.
11. EACH ACCESSIBLE PARKING SPACE SHALL INCLUDE. CENTERED AT THE FOOT. A PAVEMENT MARKING OF THE INTERNATIONAL SYMBOL OF ACCESSIBILITY.

SEE NOTE 9 — DIMENSIONS OF PARKING STALLS



ACCESSIBLE PASSENGER LOADING ZONE REQUIREMENTS:

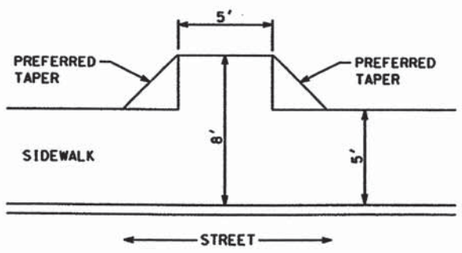
1. PASSENGER LOADING ZONES SHALL PROVIDE A 60 INCH (1525mm) WIDE ACCESS AISLE ADJACENT AND PARALLEL TO A VEHICLE PULL-UP SPACE. ACCESS AISLES SHALL BE 20 FEET (6100mm) LONG MINIMUM.
2. ACCESS AISLES SHALL BE PART OF THE ACCESSIBLE ROUTE TO THE BUILDING OR FACILITY ENTRANCE.
3. VEHICLE PULL-UP SPACES IN PASSENGER LOADING ZONES AND ACCESS AISLES SHALL HAVE SURFACE SLOPES NOT STEEPER THAN 50:1. ACCESS AISLES SHALL BE AT THE SAME LEVEL AS THE VEHICLE PULL-UP SPACE THEY SERVE.
4. VERTICAL CLEARANCE OF 114 INCHES (2895mm) MINIMUM SHALL BE PROVIDED AT PASSENGER LOADING ZONES AND ALONG VEHICLE ACCESS ROUTES TO SUCH AREAS FROM SITE ENTRANCES.
5. EACH ACCESSIBLE PASSENGER LOADING ZONE SHALL BE INDENTIFIED BY A SIGN ON A POST. SIGNS SHALL INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY.



ACCESSIBLE PASSENGER LOADING ZONE
PLAN VIEW

BUS STOP PAD REQUIREMENTS:

1. BUS STOP PADS SHALL HAVE A STABLE. FIRM. AND SLIP RESISTANT SURFACE.
2. THE MINIMUM CLEAR LENGTH SHALL BE 96 INCHES (2440mm). MEASURED PERPENDICULAR FROM THE CURB OR EDGE OF THE VEHICLE ROADWAY. THE MINIMUM CLEAR WIDTH SHALL BE 60 INCHES (1525mm). MEASURED PARALLEL TO THE CURB OR EDGE OF THE VEHICLE ROADWAY.
3. THE SLOPE OF THE PAD PARALLEL TO THE ROADWAY SHALL BE THE SAME AS THE ROADWAY. THE SLOPE OF THE PAD PERPENDICULAR TO THE ROADWAY SHALL NOT BE STEEPER THAN 50:1.
4. PADS SHALL ADJOIN AN ACCESSIBLE SIDEWALK.



BUS STOP PAD
PLAN VIEW

RECORD DRAWING

RAMP REQUIREMENTS:

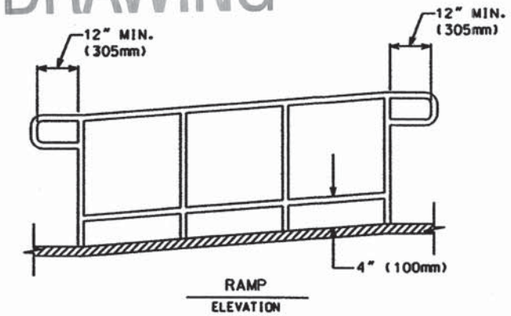
1. WALKING SURFACE ON ACCESSIBLE ROUTES WITH A RUNNING SLOPE STEEPER THAN 20:1 ARE RAMPS.
2. RAMP RUNS SHALL HAVE A RUNNING SLOPE NOT STEEPER THAN 12:1. EXCEPTION: RAMPS IN OR ON EXISTING BUILDINGS OR FACILITIES SHALL BE PERMITTED TO HAVE SLOPES STEEPER THAN 12:1 AND SHALL COMPLY WITH THE FOLLOWING TABLE WHERE SUCH SLOPES ARE NECESSITATED BY SPACE LIMITATIONS. A SLOPE STEEPER THAN 8:1 SHALL NOT BE PERMITTED.

TABLE FOR EXISTING SITES. BUILDINGS AND FACILITIES

SLOPE	MAXIMUM RISE
STEEPER THAN 10:1 BUT NOT STEEPER THAN 8:1	3 INCHES (75mm)
STEEPER THAN 12:1 BUT NOT STEEPER THAN 10:1	6 INCHES (150mm)

3. CROSS SLOPE OF RAMP RUNS SHALL NOT BE STEEPER THAN 50:1.
4. FLOOR OR GROUND SURFACES OF RAMP RUN SHALL BE STABLE. FIRM. AND SLIP RESISTANT.
5. THE CLEAR WIDTH OF A RAMP RUN SHALL BE 36 INCHES (915mm) MINIMUM MEASURED BETWEEN HANDRAILS.
6. THE RISE FOR ANY RAMP RUN SHALL BE 30 INCHES (760mm) MAXIMUM.
7. RAMPS SHALL HAVE LANDINGS AT THE BOTTOM AND TOP OF EACH RUN. LANDINGS SHALL COMPLY WITH THE FOLLOWING:
   A. LANDINGS SHALL HAVE A SOPE NOT STEEPER THAN 50:1.
   B. CLEAR WIDTH OF LANDINGS SHALL BE AT LEAST AS WIDE AS THE WIDEST RAMP RUN LEADING TO THE LANDING.
   C. LANDING LENGTH SHALL BE 60 INCHES (1525mm) MINIMUM CLEAR.
   D. RAMPS THAT CHANGE DIRECTION AT LANDINGS SHALL HAVE A 60 INCH BY 60 INCH (1525mm) MINIMUM LANDING.
   E. WHERE DOORWAYS ARE ADJACENT TO A RAMP LANDING. MANEUVERING CLEARANCES REQUIRED BY ANSI SECTIONS 404.2.4 AND 404.3.2 SHALL BE PERMITTED TO OVERLAP THE LANDING AREA.
8. RAMPS WITH A RISE GREATER THAN 6 INCHES (150mm) SHALL HAVE HANDRAILS. HANDRAILS SHALL NOT REDUCE THE REQUIRED CLEARANCES OF A RAMP RUN OR LANDINGS.
9. EDGE PROTECTION SHALL BE PROVIDED ON EACH SIDE OF RAMP RUNS AND AT EACH SIDE OF RAMP LANDINGS.

   EXCEPTIONS:
   A. RAMPS NOT REQUIRED TO HAVE HANDRAILS WHERE SIDE FLARES ARE PROVIDED.
   B. SIDES OF RAMP LANDINGS SERVING AN ADJOINING RAMP RUN OR STAIRWAY.
   C. SIDES OF RAMP LANDINGS HAVING A VERTICAL DROP-OFF OF $\frac{1}{2}$ INCH (13mm) MAXIMUM WITHIN 10 INCHES (255mm) HORIZONTALLY OF THE MINIMUM LANDING AREA.
10. EDGE PROTECTION MAY BE PROVIDED BY EXTENDING A FLOOR OR GROUND SURFACE. OF THE RAMP RUN OR LANDING. 12 INCHES (305mm) MINIMUM BEYOND THE INSIDE FACE OF A HANDRAIL OR AN EDGE PROTECTION CURB OR BARRIER SHALL BE PROVIDED THAT PREVENTS THE PASSAGE OF A 4-INCH (100mm) DIAMETER SPHERE BELOW A HEIGHT OF 4 INCHES (100mm).
11. OUTDOOR RAMPS AND APPROACHES TO RAMPS SHALL BE DESIGNED SO THAT WATER WILL NOT ACCUMULATE ON WALKING SURFACES.



RAMP
ELEVATION

N.T.S.

NO.	DATE	REV. BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

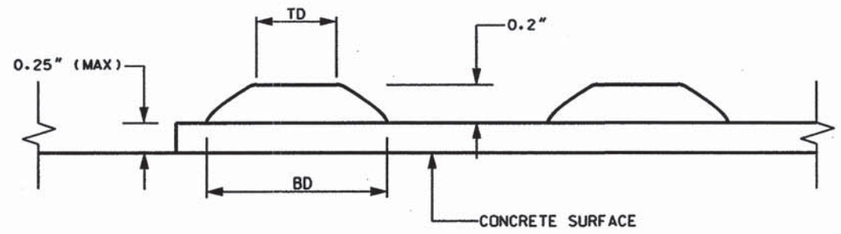
NEW MEXICO DEPARTMENT OF TRANSPORTATION

PEDESTRIAN ACCESS DETAILS

ACCESSIBLE PARKING, PASSENGER LOADING, BUS STOP AND RAMP REQUIREMENTS

APPROVAL RECOMMENDED _____ ENGINEER 12/31/03 DATE

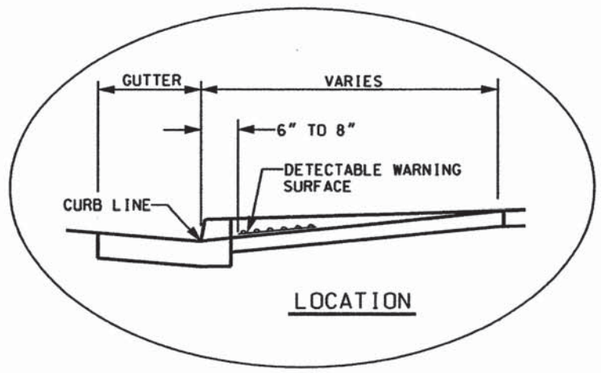
PAD-001 01/01/04 Sheet 9 of 10



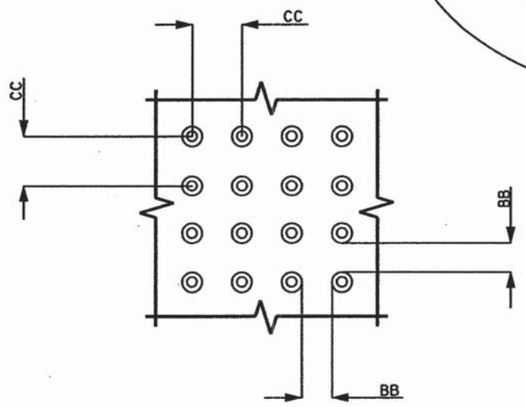
DOME SECTION

BD - BASE DIAMETER
0.9" MIN TO 1.4" MAX

TD - TOP DIAMETER
50% OF BD MIN TO 65% OF BD MAX



LOCATION



DOME SPACING

CC - CENTER TO CENTER SPACING
1.6" MIN TO 2.4" MAX

BB - BASE TO BASE SPACING
0.65" MIN

DEFINITIONS:

DETECTABLE WARNINGS. A SURFACE FEATURE BUILT IN OR APPLIED TO WALKING SURFACES OR OTHER ELEMENTS TO WARN OF HAZARDS ON A CIRCULATION PATH TO AID PERSONS WITH VISUAL IMPAIRMENTS.

CURB LINE. A LINE AT THE FACE OF THE CURB THAT MARKS THE TRANSITION BETWEEN THE SIDEWALK AND THE GUTTER OR ROADWAY.

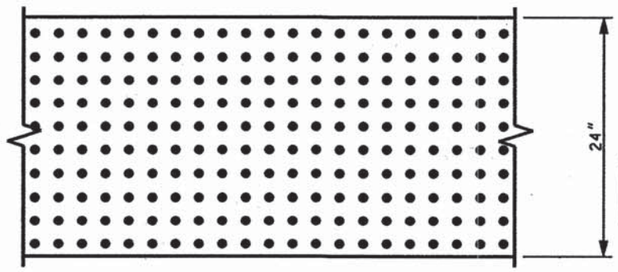
LOCATION:

1. DETECTABLE WARNING SURFACES SHALL BE PROVIDED WHERE A CURB RAMP OR LANDING CONNECTS TO A CROSSWALK AND OR PEDESTRIAN ROUTE CROSSING A ROADWAY.
2. DETECTABLE WARNING SURFACE SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE IS 6 INCHES (150 MM) MINIMUM AND 8 INCHES (205 MM) MAXIMUM FROM THE CURB LINE.
3. MEDIAN AND REFUGE ISLANDS SHALL HAVE DETECTABLE WARNINGS. DETECTABLE WARNINGS AT CUT THROUGH ISLANDS SHALL BE SEPARATED BY A 24 INCH (610 MM) MINIMUM LENGTH OF WALKWAY WITHOUT WARNINGS.

   EXCEPTION: DETECTABLE WARNINGS SHALL NOT BE REQUIRED ON CUT THROUGH ISLANDS WHERE THE CROSSINGS ARE CONTROLLED BY SIGNALS AND ARE TIMED FOR FULL CROSSING ON MEDIANS LESS THAN 7' WIDE.

NOTES:

1. DETAILS SPECIFIED ON THIS PLAN APPLY TO ALL CONSTRUCTION OR RECONSTRUCTION OF STREETS. CURBS. OR SIDEWALKS BY ALL PUBLIC AGENCIES AND BY ALL PRIVATE ORGANIZATIONS CONSTRUCTING FACILITIES FOR PUBLIC USE.
2. SIDEWALKS RAMPS ARE TO BE LOCATED AS SPECIFIED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
3. THE TOP OF THE JOINT FILLER FOR ALL RAMP TYPES SHALL BE FLUSH WITH THE ADJACENT CONCRETE.
4. ALL PRODUCTS USED FOR DETECTABLE WARNING SURFACES SHALL BE ON THE DEPARTMENT'S APPROVED PRODUCT LIST.



RECORD DRAWING

DOME ALIGNMENT

DETECTABLE WARNING SURFACES SHALL EXTEND 24" MIN. IN THE DIRECTION OF TRAVEL AND FULL WIDTH OF THE CURB RAMP. LANDING. OR TRANSITION. DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF THE CROSSWALK TO PERMIT WHEELS TO ROLL BETWEEN DOMES.

N.T.S.

METRIC CONVERSIONS
0.2" - 5.1 MM
0.25" - 6.4 MM
0.65" - 16.5 MM
0.9" - 22.9 MM
1.4" - 35.6 MM
1.6" - 40.6 MM
2.4" - 61 MM
24" - 610 MM

NO.	DATE	REV. BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO DEPARTMENT OF TRANSPORTATION

DETECTABLE WARNING SURFACE

APPROVAL RECOMMENDED ENGINEER 12/31/03 DATE

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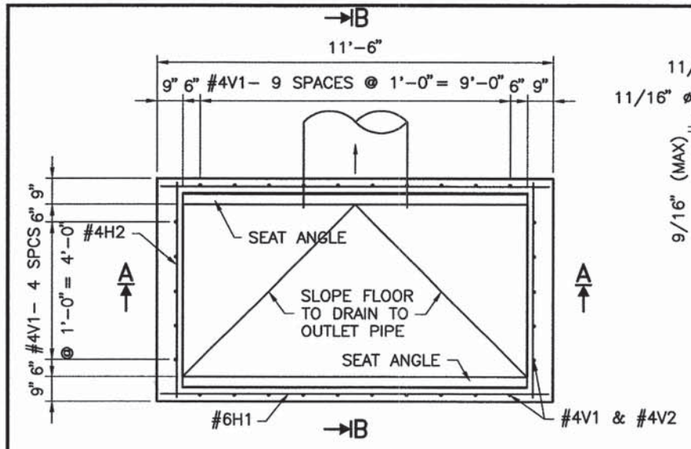
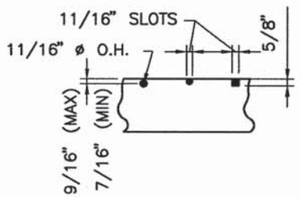
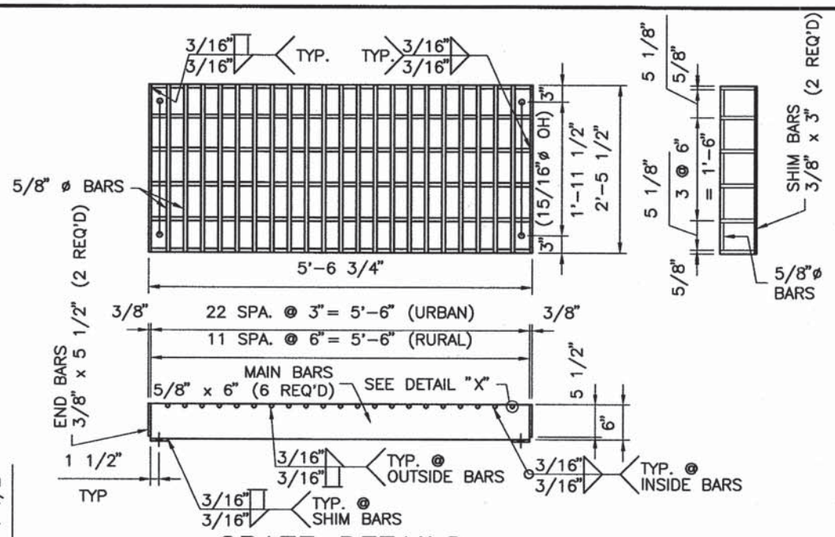


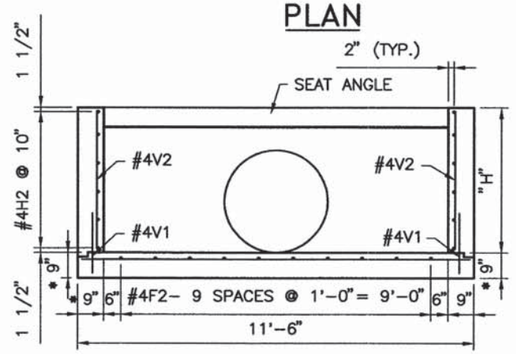
PLAN



DETAIL "X"
(ALTERNATE METHODS)



GRATE DETAILS
(4 REQUIRED)



SECTION A–A

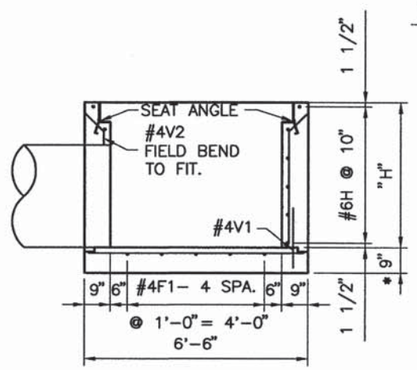
NOTE: FIELD CUT AND BEND REBAR AS REQUIRED TO CLEAR SEAT ANGLES AND PIPE OPENINGS (2" MINIMUM CLEARANCE).

* AVERAGE BOTTOM THICKNESS USE 8 ½" AT OUTLET AND 9½" AT HIGH SIDE.

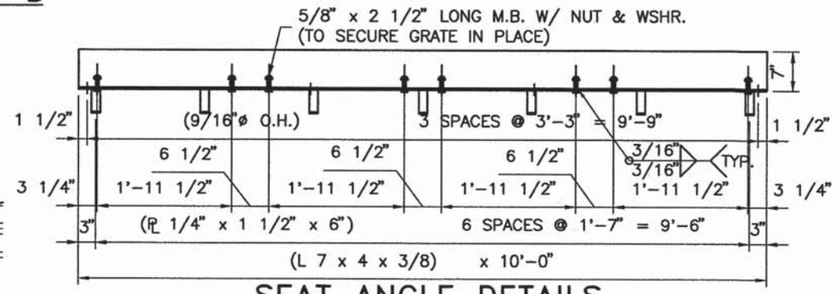
"H" = DIA. OR RISE OF PIPE + "Y" MINIMUM, AND 15'–0" MAXIMUM.

"Y"	DIAMETERS AND RISES UP TO AND INCLUDING 48".	DIAMETERS AND RISES GREATER THAN 48".
	1'–3"	2'–0"

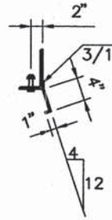
NOTE: IF R.C.P. IS USED, ADD WALL THICKNESS TO DIMENSION "Y".



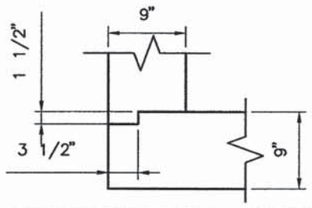
SECTION B–B



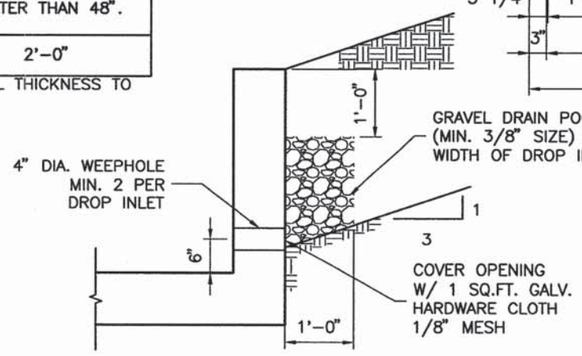
SEAT ANGLE DETAILS
(2 REQUIRED)



NOTE: MEDIAN DROP INLETS, COMPLETE IN PLACE, WILL BE PAID FOR AT THE UNIT PRICE BID PER EACH.



CONSTRUCTION JOINT DETAIL



WEEP HOLE DETAIL

ESTIMATED QUANTITIES
(FOR CONTRACTOR'S INFORMATION ONLY, NOT A BID ITEM)

CLASS "A" CONCRETE	1.932 + 0.917"H" CU.YDS.
REINFORCING STEEL	151.33 + 70.61"H" LBS.
STRUCTURAL STEEL (URBAN)	2320 LBS.
STRUCTURAL STEEL (RURAL)	2220 LBS.

NOTE: TO OBTAIN CLASS "A" CONCRETE QUANTITY, USE VALUE TABULATED ABOVE AND DEDUCT THE VOLUME ON THE PIPE OPENINGS FROM THE QUANTITY TABULATED.

MARK	LENGTH	NO REQ'D
* #H61	11'–3"	2+2.4"H"
* #4H2	6'–3"	2+2.4"H"
#4V1	1'–9"	30
#4V2	"H"–3"	30
#4F1	11'–3"	5
#4F2	6'–3"	10

REINFORCING BAR SCHEDULE

*NOTE: ROUND OFF NUMBER REQUIRED TO THE NEAREST EVEN NUMBER.

GENERAL NOTES

1. WORKMANSHIP AND MATERIALS SHALL CONFORM TO NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, CURRENT EDITION.
2. ALL CONCRETE SHALL BE CLASS "A". CHAMFER EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED ON THE DETAILS.
3. REINFORCING BARS SHALL CONFORM TO AASHTO SPECIFICATION M 31, GRADE 60. DIMENSIONS REFER TO THE CENTERLINE OF BAR UNLESS OTHERWISE NOTED ON THE DETAILS.
4. STRUCTURAL STEEL SHALL CONFORM TO AASHTO SPECIFICATION M 183 AND SHALL BE GIVEN A PROTECTIVE COATING IN CONFORMANCE WITH THE SPECIFICATIONS.
5. DROP INLETS MAY BE USED WITH EITHER R.C.P. OR C.M.P. C.M.P. IS SHOWN IN THE DETAILS.
6. PIPES MAY BE LOCATED ON ANY WALL AND MAY BE ANY SHAPE. DIAMETER OR SPAN OF THE PIPES WILL BE DETERMINED BY THE SKEW ANGLE AND A REQUIRED MINIMUM CLEARANCE OF 9" TO THE OUTSIDE FACE OF WALLS.
7. THE URBAN GRATING DETAIL SHALL BE USED IN ALL CASES UNLESS CALLED OUT ON THE PLANS.

DRAWINGS REQUIRED

ROADWAY DESIGN DRAWINGS: FOR PIPE TYPE, LOCATION, HEIGHT, SKEW ANGLE, AND NUMBER REQUIRED.

DESIGN DATA

DESIGN ACCORDING TO AASHTO SPECIFICATIONS CURRENT EDITION.
DESIGN STRESSES:
REINFORCED CONCRETE: fc= 1200 psi, Fy= 60,000 psi., n= 10.
STRUCTURAL STEEL: fs= 20,000 psi, Fy= 36,000 psi.
EARTH PRESSURE: 36 lbs./cu.ft. EQUIV. FLUID PRESSURE 2'–0" SURCHARGE.
LIVE LOAD ON STANDARD GRATING: ONE 16,000 lbs. WHEEL PLUS 30 % INPACT, 15 % OVERSTRESS.

RECORD DRAWING

NO.	DATE	REV. BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO
DEPARTMENT OF TRANSPORTATION
STANDARD DRAWING

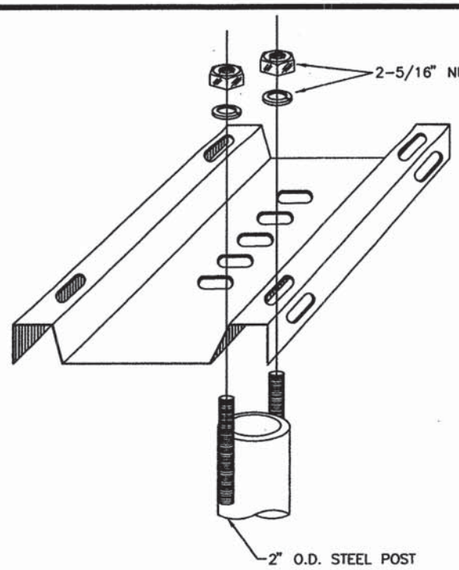
MEDIAN DROP INLET
10'–0" X 5'–0"
DETAILS AND QUANTITIES

APPROVED _____ DESIGN ENGINEER 6-13-05 DATE

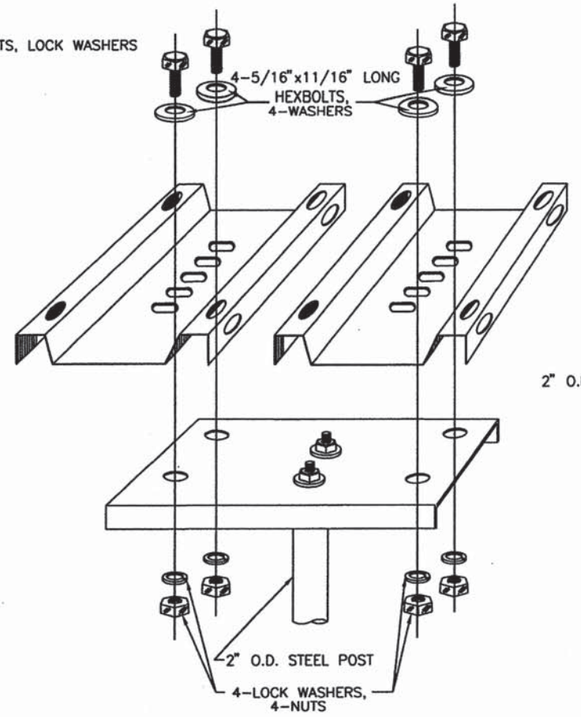
DESIGNED BY____ DRAWN BY____ CHECKED BY____

623-05-1/1

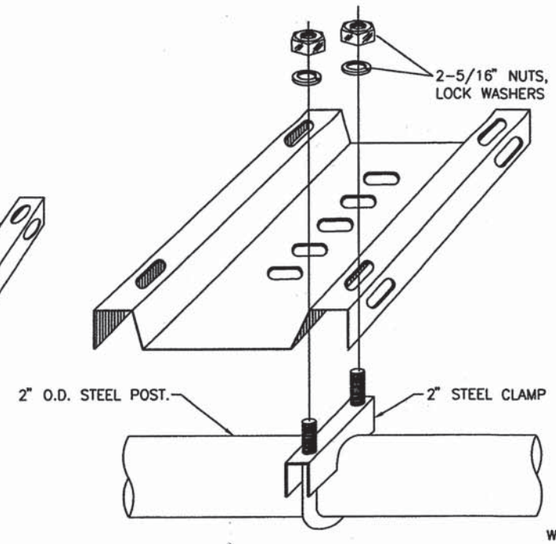
15–27



SINGLE UNIT MOUNT



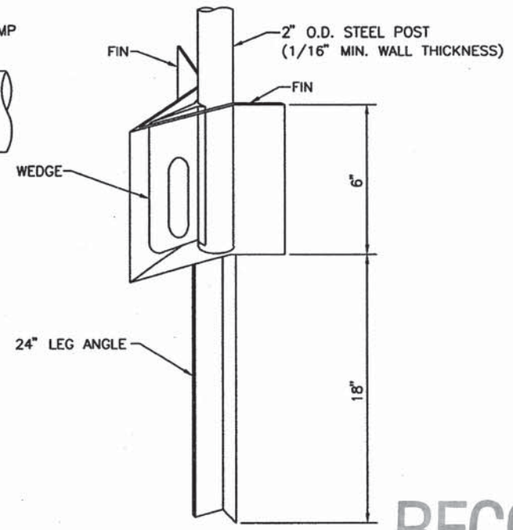
DOUBLE UNIT MOUNT



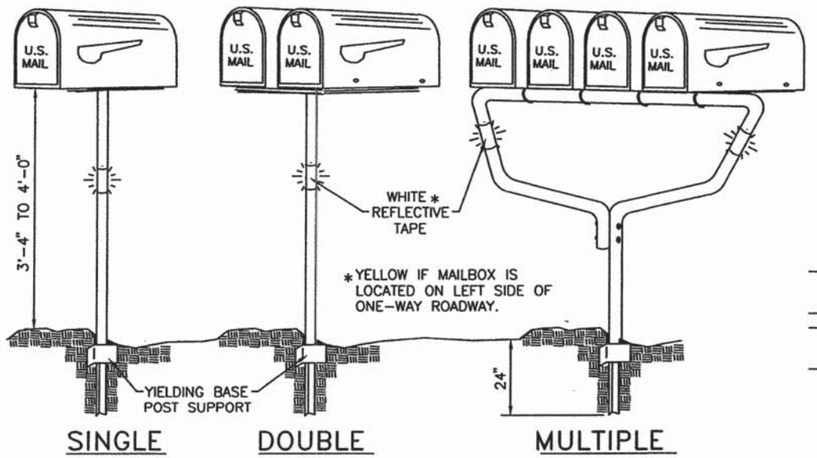
MULTIPLE UNIT MOUNT

GENERAL NOTES

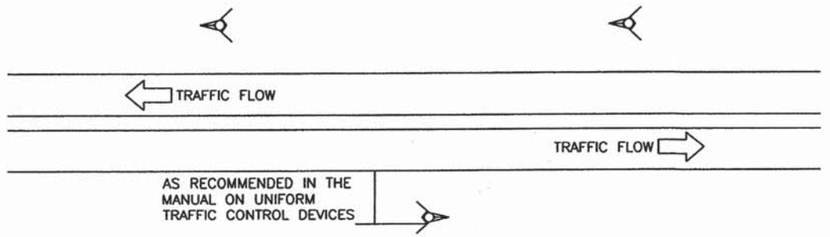
1. NEW MAILBOXES AND MAIL STOP LAYOUT SHALL BE BUILT ACCORDING TO POSTAL REGULATIONS, CURRENT EDITION OF AASHTO GUIDELINE "A GUIDE FOR ERECTING MAILBOXES ON HIGHWAYS" AND AS DIRECTED BY THE PROJECT MANAGER. MAIL STOP LAYOUT SHALL BE CONSIDERED INCIDENTAL TO MAILBOXES.
2. ALL HARDWARE SHALL MEET FHWA CRASHWORTHINESS REQUIREMENTS AS PER NCHRP 350 GUIDELINES AND SHALL BE ON THE DEPARTMENT'S APPROVED PRODUCT LIST.
3. BOLTS SHALL CONFORM TO ASTM A307. GALVANIZED CARBON STEEL OR ASTM A193. 316 STAINLESS STEEL.
4. ALL MAILBOXES REPLACED SHALL FACE IN THE SAME DIRECTION AS EXISTING.



YIELDING BASE POST SUPPORT



SINGLE DOUBLE MULTIPLE



ROADSIDE OR MEDIAN PLACEMENT

RECORD DRAWING

NO.	DATE	REV. BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

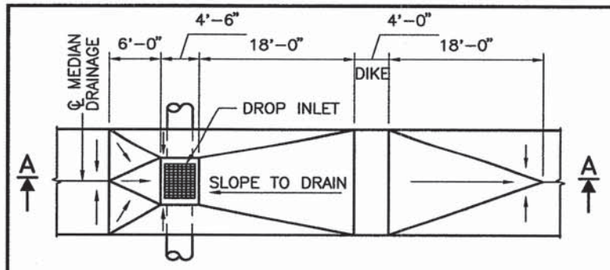
NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

MAILBOXES AND STYLE POSTS, MISCELLANEOUS DETAILS

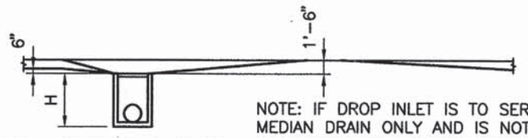
APPROVED _____ DESIGN ENGINEER 11/29/04 DATE

DESIGNED BY___ DRAWN BY ___ CHECKED BY ___

667-01-1/2 SHEET 1 OF 2



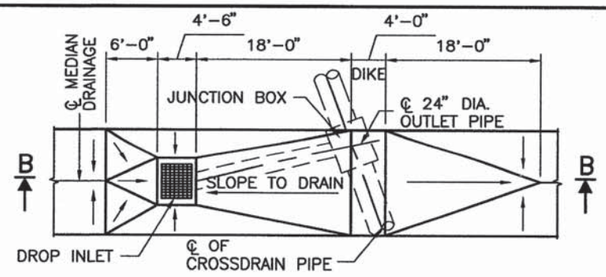
PART PLAN



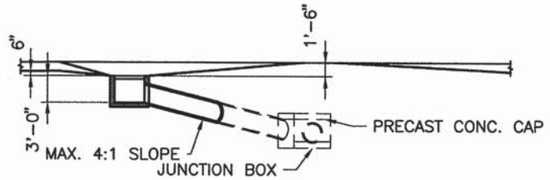
MIN. H = PIPE DIA. + 1'–0"
MAX. H = 15'–0"

NOTE: IF DROP INLET IS TO SERVE AS MEDIAN DRAIN ONLY AND IS NOT TO BE CONNECTED TO A CROSS DRAINAGE STRUCTURE USE H = 3'–0" AND A 24" DIA. PIPE AT OUTLET SIDE OF DROP INLET ONLY

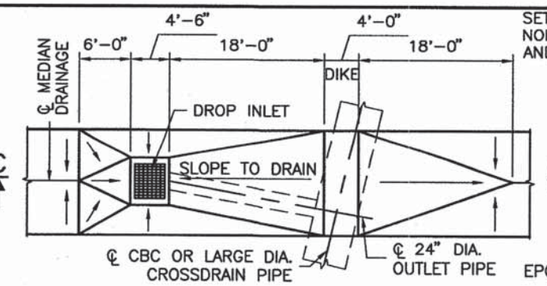
SECTION A–A



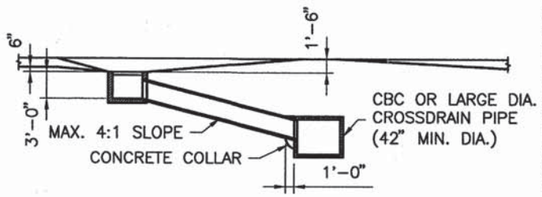
PART PLAN



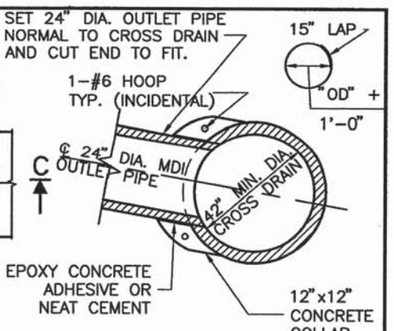
SECTION B–B



PART PLAN

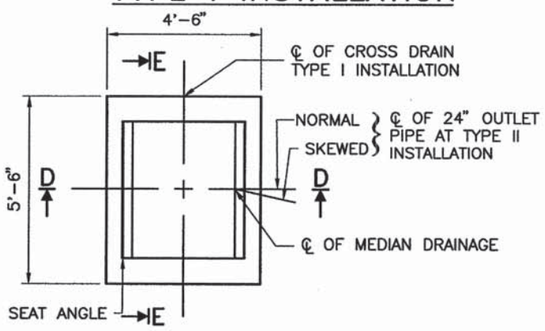


SECTION C–C

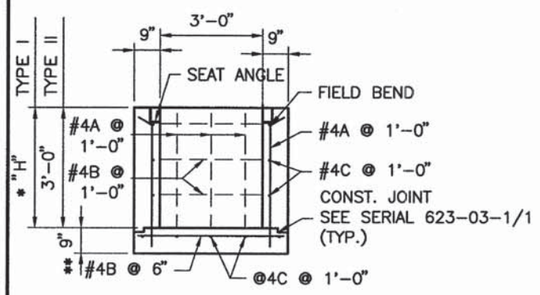


NOTE:
WHEN THE DROP INLET IS CONSTRUCTED IN CONJUNCTION WITH A NEW BOX CULVERT THE 24" DRAIN OUTLET PIPE SHALL BE SET IN PLACE AND THE CULVERT WALL FORMED AROUND IT. IF THE DROP INLET IS TO BE USED WITH AN EXISTING BOX CULVERT OR PIPE CULVERT A HOLE SHALL BE BROKEN THRU THE WALL AND ALL EXPOSED REINFORCING STEEL CUT OFF. CEMENT PIPE INTO CULVERT WALL SIMILAR TO THE CONNECTION SHOWN ABOVE.

TYPE I INSTALLATION

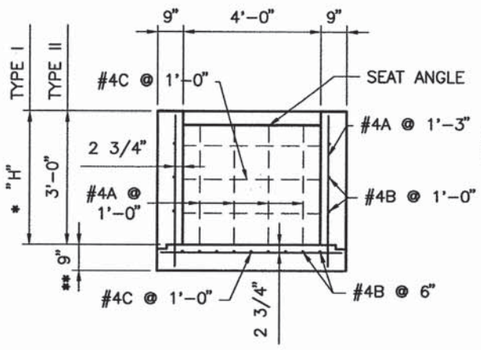


PLAN



SECTION D–D

TYPE II INSTALLATIONS



SECTION E–E

** AVERAGE BOTTOM THICKNESS USE 8½" AT OUTLET AND 9½" AT HIGH SIDE.

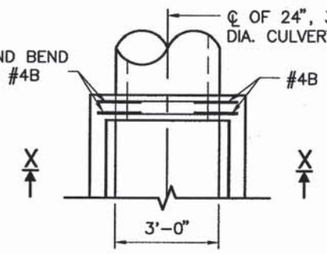
* "H"= DIA. OF PIPE + 1'–0" MINIMUM, AND 15'–0" MAXIMUM.

ESTIMATED QUANTITIES

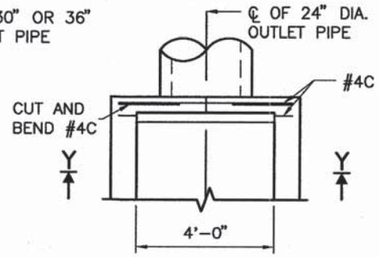
(FOR CONTRACTOR'S INFORMATION ONLY, NOT A BID ITEM)

	TYPE I	TYPE II
CLASS "A" CONCRETE	.652+.4722"H" CU.YDS.	2.07 CU.YDS.
REINFORCING STEEL	53.44+22.04"H" LBS.	120 LBS.
STRUCTURAL STEEL (URBAN)	384 LBS.	384 LBS.
STRUCTURAL STEEL (RURAL)	359 LBS.	359 LBS.

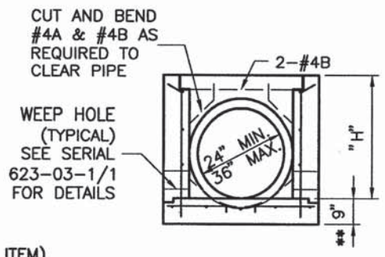
NOTE: TO OBTAIN CLASS "A" CONCRETE QUANTITY, USE VALUE TABULATED ABOVE AND DEDUCT THE AMOUNT SHOWN ON 623–03–1/ 1 FOR EACH PIPE OPENING.



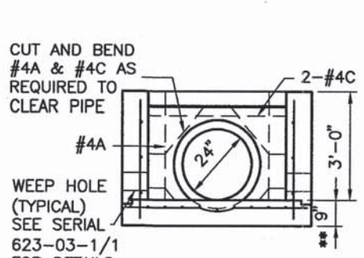
PART PLAN



PART PLAN



SECTION X–X



SECTION Y–Y

DETAILS OF REINFORCEMENT AROUND PIPE

NOTE: MEDIAN DROP INLETS, COMPLETE IN PLACE, WILL BE PAID FOR AT THE UNIT PROCE BID PER EACH.

NOTE: SERIAL 623–01–1/ 1 MUST ACCOMPANY THIS SHEET.

PART SECTION CONNECTION TO LARGE CROSS DRAIN PIPE

#4A	"H" PLUS 6"	REQ'D. 14
#4B	4'–3"	" 11+2HΔ
#4C	5'–3"	" 5+2HΔ

TYPE I INSTALLATION

#4A	3'–6"	REQ'D. 14
#4B	4'–3"	" 17
#4C	5'–3"	" 11

TYPE II INSTALLATION

REINFORCING STEEL DETAILS

NOTE: ROUND OFF "H" TO THE NEAREST FOOT. USE SHORTER LENGTH WHEN DIMENSION FALLS ON 6".

RECORD DRAWING

NO.	DATE	REV. BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

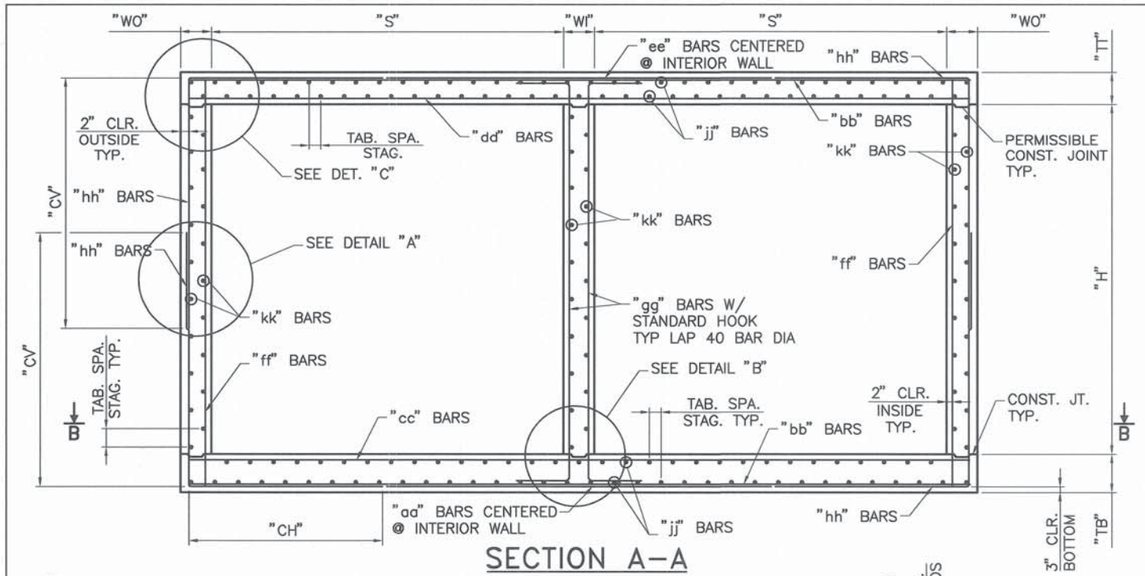
NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

MEDIAN DROP INLET DETAIL AND QUANTITIES TYPE I AND TYPE II

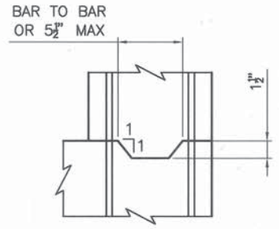
APPROVED _____ DESIGN ENGINEER 6-13-05 DATE

DESIGNED BY____ DRAWN BY____ CHECKED BY____

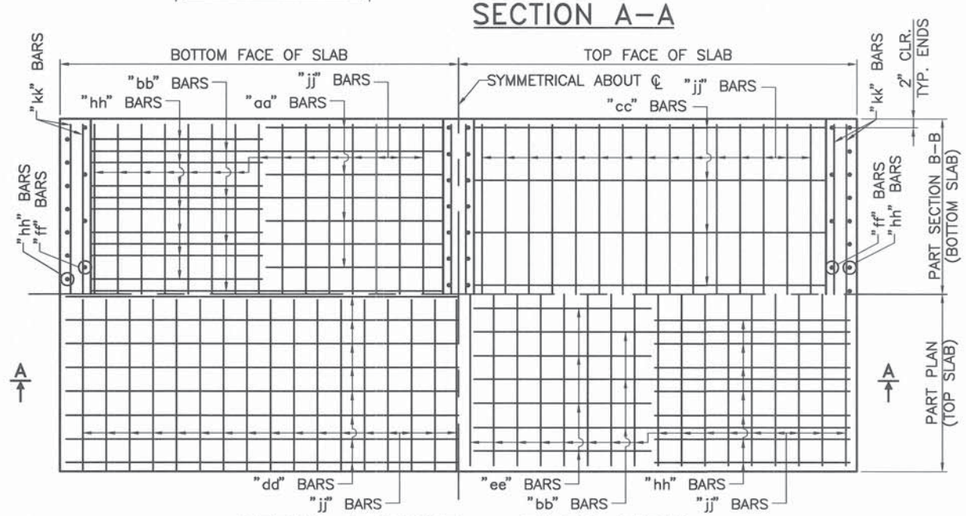
623–02–1/1 15-29



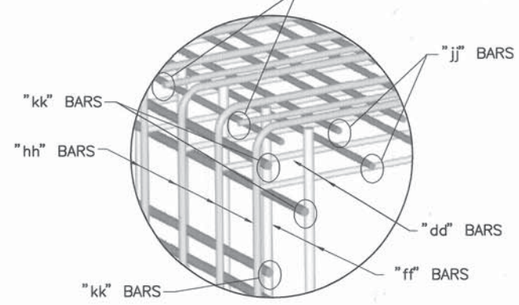
SECTION A–A



CONSTRUCTION JOINT DETAIL



REBAR LAYOUT – PLAN VIEW



DETAIL "C"
(SIMILAR BOTTOM CORNERS)

GENERAL NOTES

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE NEW MEXICO DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION (CURRENT EDITION) WITH APPLICABLE SPECIAL PROVISIONS.
2. ALL CONCRETE SHALL BE CLASS "AA" (4000 psi). CHAMFER ALL EXPOSED EDGES ¾".
3. ALL REINFORCING STEEL TO BE DEFORMED BARS, CONFORMING TO AASHTO M–31, GRADE 60. ALL DIMENSIONS REFER TO THE CENTERLINE OF BAR.
4. "COVER" IS HEIGHT OF FILL FROM TOP OF BOX TO THE TOP OF PAVEMENT. ORIGINAL HEIGHT OF COVER MAY NOT BE EXCEEDED IN THE FUTURE OR WILL REQUIRE REMOVAL AND REPLACEMENT WITH PROPER DESIGN FILL CBC. IN CASE OF COVER EQUAL TO 10', 15', 20', OR 25' USE HIGHER DESIGN FILL IN CASE OF FUTURE AC OVERLAY.
5. "jj" AND "kk" BARS MAY BE SPLICED WHEN NECESSARY BY LAPPING AT LEAST 40 BAR DIAMETERS. NO OTHER SPLICING OF BARS WILL BE PERMITTED. LENGTH OF THESE BARS SHALL EQUAL THE LENGTH OF BARREL "L" PLUS (2 X "HW") MINUS 4" FOR TOTAL NEW CONSTRUCTION, NOT INCLUDING LAP LENGTH. FOR CULVERT EXTENSION, LENGTH OF THESE BARS SHALL BE "L" PLUS "HW" MINUS 2".
6. REINFORCING SHOWN IS FOR PLACEMENT LOCATION ONLY. USE APPROPRIATE SHEETS AND CORRESPONDING TABLES TO DETERMINE THE REINFORCING REQUIREMENTS AND SPACINGS.
7. ALL CONSTRUCTION JOINTS SHALL BE AS PER DETAIL THIS SHEET. CONSTRUCTION JOINTS ARE PERMISSIBLE AND SHALL BE BE LOCATED AT WALL/SLAB HORIZONTAL INTERFACE.
8. DO NOT BACKFILL WALLS UNTIL TOP SLAB HAS REACHED 4000 psi DESIGN STRENGTH.
9. CBC'S SHALL BE CONSTRUCTED TO THE SPAN, HEIGHT, NUMBER OF BARRELS, SKEW, ALIGNMENT, AND FLOWLINE GRADE AS SPECIFIED ON THE PLAN AND PROFILE AND STRUCTURE PLACEMENT SECTIONS.
10. EXCAVATION AND BACKFILL OF CBC'S SHALL BE IN ACCORDANCE WITH STANDARD DRAWING 210–01–1/1.

DESIGN

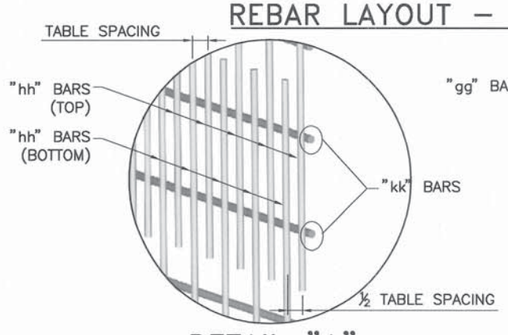
DESIGNED IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, THIRD EDITION.

PAYMENT

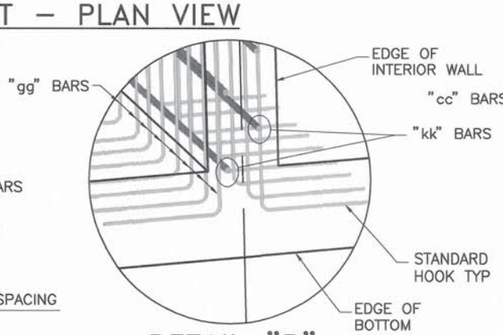
PAYMENT FOR CBC'S IS BASED ON "LIN. FT." UNIT OF MEASUREMENT FOR THE TOTAL LENGTH OF ALL NEW BARRELS CONSTRUCTED AT THE CENTERLINE OF BARREL. I.E. SINGLE BARREL SHALL BE 1 X "L" AND TRIPLE BARREL SHALL BE 3 X "L" FOR PAYMENT. LENGTH OF BARREL SHALL NOT INCLUDE "HW" WHICH SHALL BE PAID FOR SEPARATELY. CONCRETE, REBAR, FORMING, AND OTHER WORK AND MATERIAL SHALL BE INCLUDED IN THE LIN. FT. COST FOR THE CBC AND NO FURTHER PAYMENT SHALL BE MADE FOR THESE INCIDENTAL ITEMS.

ALTERNATIVELY, A COMPLETE CONCRETE BOX CULVERT MAY BE PAID FOR UNDER CLASS "AA" CONCRETE BY "CU. YD." ITEM 511030 AND GRADE 60 REBAR BY "LBS." ITEM 540060.

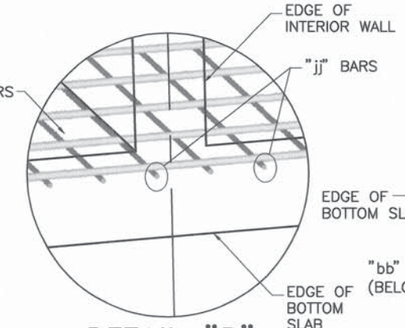
RECORD DRAWING



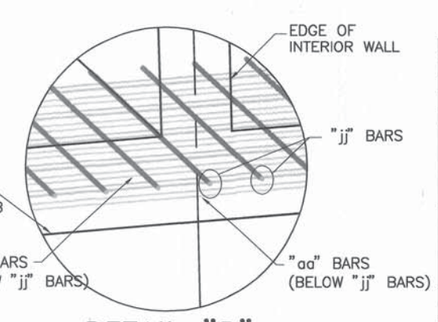
DETAIL "A"
(INSIDE FACE OMITTED FOR CLARITY)



DETAIL "B"
(WALL REINFORCING ONLY)



DETAIL "B"
(BOTTOM SLAB – TOP MAT)



DETAIL "B"
(BOTTOM SLAB – BOTTOM MAT)

NO.	DATE	REV. BY	DESCRIPTION
			REVISIONS (OR CHANGE NOTICES)

NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

CONCRETE BOX CULVERT DOUBLE OPENING – DESIGN FILL "A" 0–10 FT STRUCTURAL SECTIONS AND REBAR

APPROVED _____ DESIGN ENGINEER — DATE Apr 9, 07

DESIGNED BY TLB DRAWN BY SGL CHECKED BY HDR

511–62–1/2 — 1 OF 2

DOUBLE OPENING BOX CULVERT STRUCTURE DIMENSIONS						GRADE 60 REINFORCING BAR SCHEDULE (BAR SIZE, SPACING AND LENGTH DIMENSIONS)																									
DIM		0–10 FT BURIAL DESIGN FILL "A"				"aa"		"ee"		"aa" & "ee"		"bb"		"cc"		"dd"		"bb" & "cc", & "dd"	"ff"		"gg"		"ff" & "gg" **	"hh"				"jj"		"kk"	
SPAN "S" INSIDE	HEIGHT "H" INSIDE	TOP SLAB "TT"	BOTTOM SLAB "TB"	WALLS OUTER "WO"	WALLS INTERIOR "WI"	SIZE	SPACING	SIZE	SPACING	LENGTH	NUMBER OF BARS	SIZE	SPACING	SIZE	SPACING	SIZE	SPACING	LENGTH	SIZE	SPACING	SIZE	SPACING	LENGTH	SIZE	SPACING	"CH" LENGTH	"CV" LENGTH	SIZE	STAGGERED SPACING	SIZE	STAGGERED SPACING
4'	2'	7.5"	8.5"	7.5"	6.0"	#4	12"	#5	12"	5'–0"	1	#5	12"	#4	6"	#4	6"	9'–5"	#4	6"	#4	12"	2'–11"	#4	6"	24"	25"	#4	6"	#4	6"
4'	3'	7.5"	8.5"	7.5"	6.0"	#4	12"	#5	12"	5'–0"	1	#5	12"	#4	6"	#4	6"	9'–5"	#4	6"	#4	12"	3'–11"	#4	6"	24"	31"	#4	6"	#4	6"
4'	4'	7.5"	8.5"	7.5"	6.0"	#4	12"	#5	12"	5'–0"	1	#5	12"	#4	6"	#4	6"	9'–5"	#4	6"	#4	12"	4'–11"	#4	6"	24"	37"	#4	6"	#4	6"
6'	2'	8.0"	8.5"	7.5"	6.0"	#5	12"	#7	12"	7'–5"	1	#7	12"	#6	6"	#5	6"	13'–5"	#5	6"	#4	12"	2'–11"	#5	6"	30"	27"	#4	6"	#4	6"
6'	3'	8.0"	8.5"	7.5"	6.0"	#5	12"	#7	12"	7'–5"	1	#7	12"	#6	6"	#5	6"	13'–5"	#5	6"	#4	12"	3'–11"	#5	6"	30"	33"	#4	6"	#4	6"
6'	4'	8.0"	8.5"	7.5"	6.0"	#5	12"	#7	12"	7'–5"	1	#7	12"	#6	6"	#5	6"	13'–5"	#5	6"	#4	12"	4'–11"	#5	6"	30"	39"	#4	6"	#4	6"
6'	5'	8.0"	8.5"	7.5"	6.0"	#5	12"	#7	12"	7'–5"	1	#7	12"	#6	6"	#5	6"	13'–5"	#5	6"	#4	12"	5'–11"	#5	6"	30"	45"	#4	6"	#4	6"
→ 6'	6'	8.0"	8.5"	7.5"	6.0"	#5	12"	#7	12"	7'–5"	1	#7	12"	#6	6"	#5	6"	13'–5"	#5	6"	#4	12"	6'–11"	#5	6"	30"	51"	#4	6"	#4	6"
6'	7'	8.0"	8.5"	7.5"	6.0"	#5	12"	#7	12"	7'–5"	1	#7	12"	#6	6"	#5	6"	13'–5"	#5	6"	#4	12"	7'–11"	#5	6"	30"	57"	#4	6"	#4	6"
8'	4'	9.5"	9.0"	7.5"	6.0"	#7	12"	#7	12"	8'–5"	1	#7	12"	#5	6"	#5	6"	17'–5"	#5	6"	#4	12"	5'–1"	#6	6"	36"	41"	#4	6"	#4	6"
8'	5'	9.5"	9.0"	7.5"	6.0"	#7	12"	#7	12"	8'–5"	1	#7	12"	#5	6"	#5	6"	17'–5"	#5	6"	#4	12"	6'–1"	#6	6"	36"	47"	#4	6"	#4	6"
8'	6'	9.5"	9.0"	7.5"	6.0"	#7	12"	#7	12"	8'–5"	1	#7	12"	#5	6"	#5	6"	17'–5"	#5	6"	#4	12"	7'–1"	#6	6"	36"	53"	#4	6"	#4	6"
8'	7'	9.5"	9.0"	7.5"	6.0"	#7	12"	#7	12"	8'–5"	1	#7	12"	#5	6"	#5	6"	17'–5"	#5	6"	#4	12"	8'–1"	#6	6"	36"	59"	#4	6"	#4	6"
8'	8'	9.5"	9.0"	7.5"	6.0"	#7	12"	#7	12"	8'–5"	1	#7	12"	#5	6"	#5	6"	17'–5"	#5	6"	#4	12"	9'–1"	#6	6"	36"	65"	#4	6"	#4	6"
10'	3'	11.0"	10.5"	7.5"	6.0"	#8	12"	#7	12"	10'–9"	1	#8	12"	#6	6"	#6	6"	21'–5"	#6	6"	#4	12"	4'–4"	#6	6"	38"	37"	#4	6"	#4	6"
10'	4'	11.0"	10.5"	7.5"	6.0"	#8	12"	#7	12"	10'–9"	1	#8	12"	#6	6"	#6	6"	21'–5"	#6	6"	#4	12"	5'–4"	#6	6"	38"	43"	#4	6"	#4	6"
10'	5'	11.0"	10.5"	7.5"	6.0"	#8	12"	#7	12"	10'–9"	1	#8	12"	#6	6"	#6	6"	21'–5"	#6	6"	#4	12"	6'–4"	#6	6"	38"	49"	#4	6"	#4	6"
10'	6'	11.0"	10.5"	7.5"	6.0"	#8	12"	#7	12"	10'–9"	1	#8	12"	#6	6"	#6	6"	21'–5"	#6	6"	#4	12"	7'–4"	#6	6"	38"	55"	#4	6"	#4	6"
10'	7'	11.0"	10.5"	7.5"	6.0"	#8	12"	#7	12"	10'–9"	1	#8	12"	#6	6"	#6	6"	21'–5"	#6	6"	#4	12"	8'–4"	#6	6"	38"	61"	#4	6"	#4	6"
10'	8'	11.0"	10.5"	9.0"	6.0"	#8	12"	#7	12"	10'–10"	1	#8	12"	#6	6"	#6	6"	21'–8"	#6	6"	#4	12"	9'–4"	#7	6"	45"	69"	#4	6"	#4	6"
10'	9'	11.0"	10.5"	9.0"	6.0"	#8	12"	#7	12"	10'–10"	1	#8	12"	#6	6"	#6	6"	21'–8"	#6	6"	#4	12"	10'–4"	#7	6"	45"	75"	#4	6"	#4	6"
10'	10'	11.0"	10.5"	9.0"	6.0"	#8	12"	#7	12"	10'–10"	1	#8	12"	#6	6"	#6	6"	21'–8"	#6	6"	#4	12"	11'–4"	#7	6"	45"	81"	#4	6"	#4	6"
10'	11'	11.0"	10.5"	9.0"	6.0"	#8	12"	#7	12"	10'–10"	1	#8	12"	#6	6"	#6	6"	21'–8"	#6	6"	#4	12"	12'–4"	#7	6"	45"	87"	#4	6"	#4	6"
10'	12'	11.0"	10.5"	9.0"	6.0"	#8	12"	#7	12"	10'–10"	1	#8	12"	#6	6"	#6	6"	21'–8"	#6	6"	#4	12"	13'–4"	#7	6"	45"	93"	#4	6"	#4	6"
12'	6'	12.5"	12.0"	9.0"	6.0"	#8	12"	#8	12"	11'–10"	1	#8	12"	#6	6"	#7	6"	25'–8"	#7	6"	#4	12"	7'–7"	#8	6"	55"	63"	#4	6"	#4	6"
12'	7'	12.5"	12.0"	9.0"	6.0"	#8	12"	#8	12"	11'–10"	1	#8	12"	#6	6"	#7	6"	25'–8"	#7	6"	#4	12"	8'–7"	#8	6"	55"	69"	#4	6"	#4	6"
12'	8'	12.5"	12.0"	9.0"	6.0"	#8	12"	#8	12"	11'–10"	1	#8	12"	#6	6"	#7	6"	25'–8"	#7	6"	#4	12"	9'–7"	#8	6"	55"	75"	#4	6"	#4	6"
12'	9'	12.5"	12.0"	9.0"	6.0"	#8	12"	#8	12"	11'–10"	1	#8	12"	#6	6"	#7	6"	25'–8"	#7	6"	#4	12"	10'–7"	#8	6"	55"	81"	#4	6"	#4	6"
* 12'	10'	12.5"	12.0"	9.0"	6.0"	#8	12"	#8	12"	11'–10"	1	#8	12"	#6	6"	#7	6"	25'–8"	#7	6"	#4	12"	11'–7"	#8	6"	55"	87"	#4	6"	#4	6"
12'	12'	12.5"	12.0"	9.0"	6.0"	#8	12"	#8	12"	11'–10"	1	#8	12"	#6	6"	#7	6"	25'–8"	#7	6"	#4	12"	13'–7"	#8	6"	55"	99"	#4	6"	#4	6"
14'	8'	14.0"	13.0"	11.0"	7.0"	#9	12"	#8	12"	14'–4"	1	#9	12"	#7	6"	#7	6"	30'–1"	#7	6"	#5	12"	9'–10"	#8	6"	60"	76"	#4	6"	#4	6"
14'	9'	14.0"	13.0"	11.0"	7.0"	#9	12"	#8	12"	14'–4"	1	#9	12"	#7	6"	#7	6"	30'–1"	#7	6"	#5	12"	10'–10"	#8	6"	60"	82"	#4	6"	#4	6"
14'	10'	14.0"	13.0"	11.0"	7.0"	#9	12"	#8	12"	14'–4"	1	#9	12"	#7	6"	#7	6"	30'–1"	#7	6"	#5	12"	11'–10"	#8	6"	60"	88"	#4	6"	#4	6"
14'	11'	14.0"	13.0"	11.0"	7.0"	#9	12"	#8	12"	14'–4"	1	#9	12"	#7	6"	#7	6"	30'–1"	#7	6"	#5	12"	12'–10"	#8	6"	60"	94"	#4	6"	#4	6"
14'	12'	14.0"	13.0"	11.0"	7.0"	#9	12"	#8	12"	14'–4"	1	#9	12"	#7	6"	#7	6"	30'–1"	#7	6"	#5	12"	13'–10"	#8	6"	60"	100"	#4	6"	#4	6"
14'	13'	14.0"	13.0"	11.0"	7.0"	#9	12"	#8	12"	14'–4"	1	#9	12"	#7	6"	#7	6"	30'–1"	#7	6"	#5	12"	14'–10"	#8	6"	60"	106"	#4	6"	#4	6"
14'	14'	14.0"	13.0"	11.0"	7.0"	#9	12"	#8	12"	14'–4"	1	#9	12"	#7	6"	#7	6"	30'–1"	#7	6"	#5	12"	15'–10"	#8	6"	60"	112"	#4	6"	#4	6"

FOR EXTENSIONS OF EXISTING CBC'S OF S=5', S=7', AND S=9' SIZE SPANS NOT INCLUDED IN THIS TABLE, USE DIMENSIONS FOR NEXT GREATER SPAN TO BUILD. FOR EXAMPLE: FOR S=5' USE DESIGN DIMENSIONS FROM THE TABLE FOR S=6'. ALSO REDUCE THE S=6' TABLE LENGTH OF BARS "bb", "cc" AND "dd" BY ONE FOOT TO ACCOMMODATE THE SHORTER SPAN. SEE DETAILS ON SHEET 511–66–4/6. ANY OTHER SIZES OF BOX EXTENSIONS NOT COVERED BY THIS MODIFICATION SHALL BE DONE THROUGH SPECIAL DESIGNS INCLUDED IN THE PROJECT PLANS.

** TOTAL LENGTH OF "gg" BARS IS TABLE LENGTH PLUS TWO STANDARD 90° HOOKS AND OPTIONAL 40 BAR ø LAP IF NECESSARY.

RECORD DRAWING

* EXAMPLE OF USE OF THIS TABLE:
PROPOSED STRUCTURE – DOUBLE BARREL, 12 FT. SPAN/10 FT. HEIGHT, CBC WITH 6 FT. DEPTH OF COVER.
USE THE FOLLOWING BUILD INFORMATION FROM THE TABLE ABOVE:

DIM		0–10 FT BURIAL DESIGN FILL "A"				"aa"		"ee"		"aa" & "ee"		"bb"		"cc"		"dd"		"bb" & "cc", & "dd"	"ff"		"gg"		"ff" & "gg"	"hh"				"jj"		"kk"	
SPAN "S" INSIDE	HEIGHT "H" INSIDE	TOP SLAB "TT"	BOTTOM SLAB "TB"	WALLS OUTER "WO"	WALLS INTERIOR "WI"	SIZE	SPACING	SIZE	SPACING	LENGTH	NUMBER OF BARS	SIZE	SPACING	SIZE	SPACING	SIZE	SPACING	LENGTH	SIZE	SPACING	SIZE	SPACING	LENGTH	SIZE	SPACING	"CH" LENGTH	"CV" LENGTH	SIZE	STAGGERED SPACING	SIZE	STAGGERED SPACING
12'	10'	12.5"	12.0"	9.0"	6.0"	#8	12"	#8	12"	11'–10"	1	#8	12"	#6	6"	#7	6"	25'–8"	#7	6"	#4	12"	11'–7"	#8	6"	55"	87"	#4	6"	#4	6"

NO.	DATE	REV. BY	DESCRIPTION
REVISIONS (OR CHANGE NOTICES)			

NEW MEXICO
DEPARTMENT OF TRANSPORTATION
STANDARD DRAWING

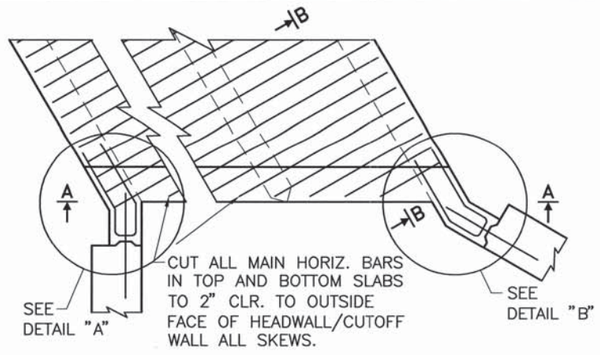
CONCRETE BOX CULVERT DOUBLE OPENING – DESIGN FILL "A" 0–10 FT DIMENSIONS AND REBAR SCHEDULE

APPROVED _____ DESIGN ENGINEER — APR 9, 07 DATE

DESIGNED BY TLB DRAWN BY SGL CHECKED BY HDR

511–62–2/2 2 OF 2

15-31

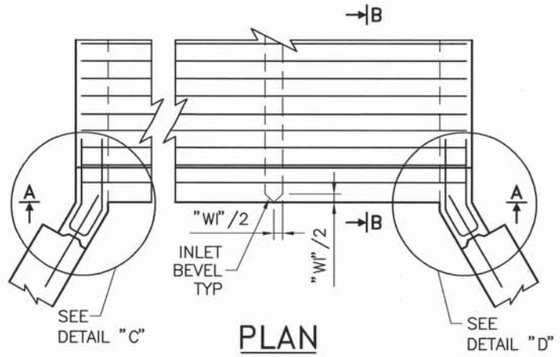


PLAN

(SKEWED)

SIMILAR FOR SINGLE BARREL

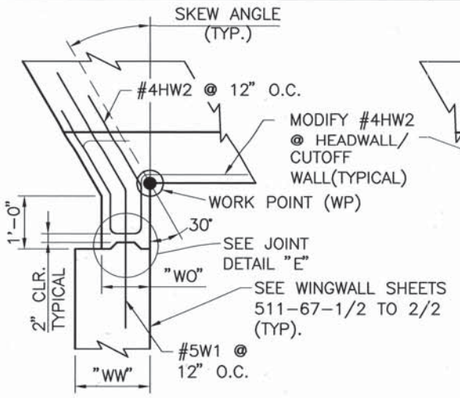
(NOT TO BE USED FOR SKEWS OVER 45°)



PLAN

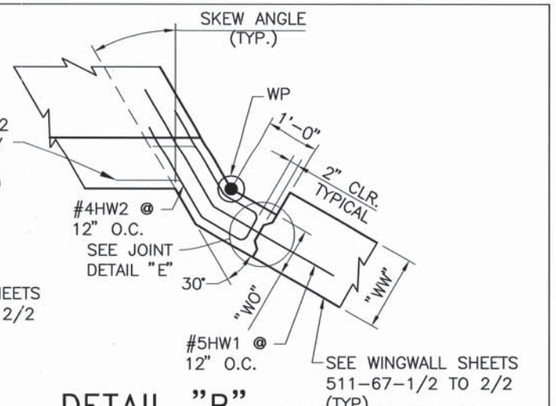
(NORMAL)

SIMILAR FOR SINGLE BARREL



DETAIL "A"

(SKEWED)

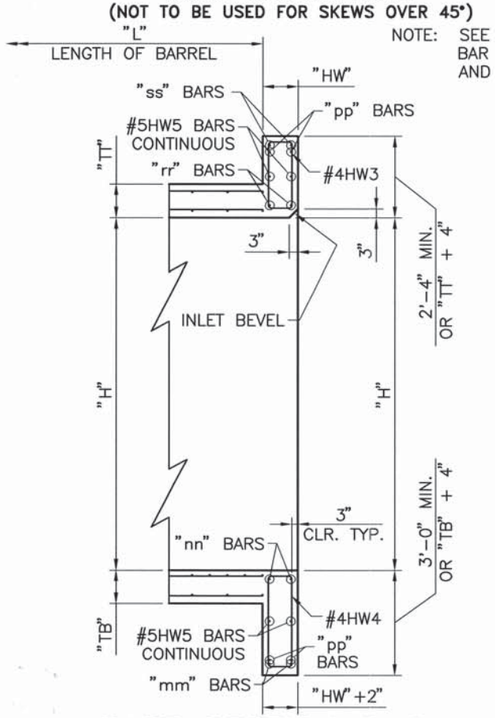


DETAIL "B"

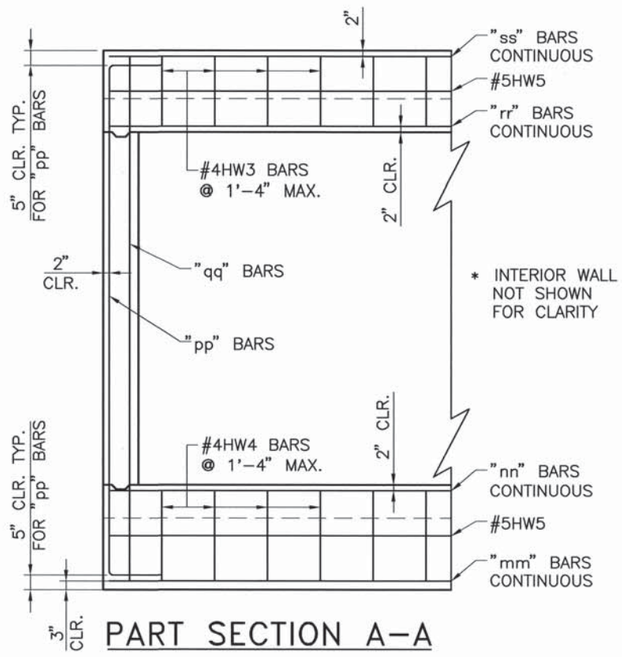
(SKEWED)

RECORD DRAWING

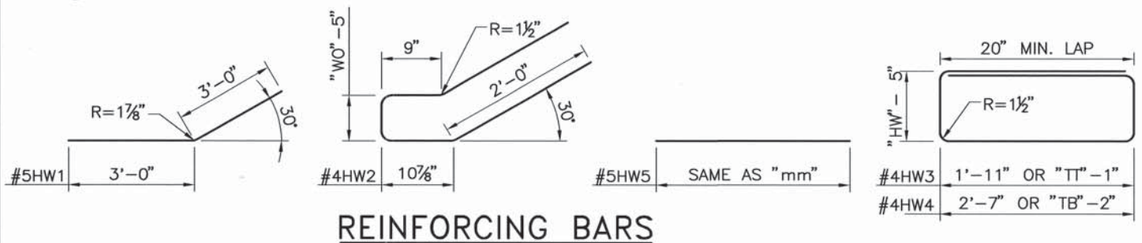
NOTE: SEE SHEET 511-66-2/6 FOR BAR SIZES, NUMBER OF BARS, AND BAR LENGTH FORMULAS.



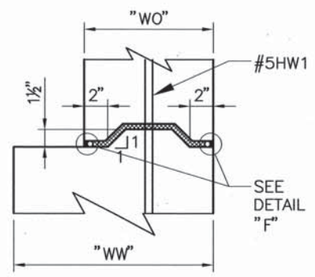
PART SECTION B-B



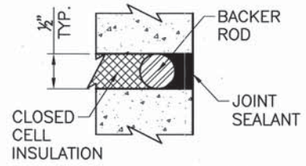
PART SECTION A-A



REINFORCING BARS



JOINT DETAIL "E"



DETAIL "F"

NOTE: DETAILS "A", "B", "C, & "D" EXTEND FULL HEIGHT FROM TOP OF PARAPET TO BOTTOM OF CUTOFF WALL. THESE EXTENSIONS SHALL BE CAST INTEGRALLY WITH HEADWALL/CUTOFF WALL (NO CONSTRUCTION JOINT). ELEVATION AT EXTENSION SHALL BE EQUAL TO PARAPET.

PAYMENT

PAYMENT FOR HEADWALL/CUTOFF WALL IS BASED ON "EACH" UNIT OF MEASUREMENT FOR EACH NEW BARREL CONSTRUCTED. IN CASE OF TYPE II CONNECTION EACH HEADWALL/CUTOFF WALL UNIT SHALL BE PAID FOR, I.E. TWO PER CULVERT EXTENSION.

ALTERNATIVELY, A COMPLETE CONCRETE BOX CULVERT MAY BE PAID FOR UNDER CLASS "AA" CONCRETE BY "CU.YD." ITEM 511030 AND GRADE 60 REBAR BY "LBS." ITEM 540060.

NO.	DATE	REV. BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO
DEPARTMENT OF TRANSPORTATION
STANDARD DRAWING

CBC HEAD/CUTOFF WALLS - ALL DESIGN FILLS-0° 15° 30° 45° SKEWS STRUCTURAL SECTIONS AND REBAR

APPROVED _____ DESIGN ENGINEER _____ DATE Apr 9, 07

DESIGNED BY TLB DRAWN BY SGL CHECKED BY HDR

511-66-1/6 1 OF 6

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BOX CULVERT NOMINAL DIMENSIONS		HEADWALL AND CUTOFF WALL DIMENSION & GRADE 60 REINFORCING BAR SCHEDULE (BAR SIZE AND NUMBER OF BARS REQUIRED)													
		0 DEGREE SKEW													
			"mm"		"nn"		"pp"		"qq"		"rr"		"ss"		
SPAN "S" INSIDE	HEIGHT "H" INSIDE	WIDTH HEAD WALL "HW"	SIZE	NUMBER OF BARS	SIZE	NUMBER OF BARS	SIZE	NUMBER OF BARS	SIZE	NUMBER OF BARS	SIZE	NUMBER OF BARS	SIZE	NUMBER OF BARS	WIDTH HEAD WALL "HW"
4'	2'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
4'	3'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
4'	4'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
6'	2'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
6'	3'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
6'	4'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
6'	5'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
6'	6'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
6'	7'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
8'	4'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
8'	5'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
8'	6'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
8'	7'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
8'	8'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
10'	3'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
10'	4'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
10'	5'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
10'	6'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
10'	7'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
10'	8'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
10'	9'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
10'	10'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
10'	11'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
10'	12'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
12'	6'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	14"
12'	7'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	14"
12'	8'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	14"
12'	9'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	14"
* 12'	10'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	14"
12'	12'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	14"
14'	8'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	24"
14'	9'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	24"
14'	10'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	24"
14'	11'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	24"
14'	12'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	24"
14'	13'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	24"
14'	14'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	24"

BOX CULVERT NOMINAL DIMENSIONS		HEADWALL AND CUTOFF WALL DIMENSION & GRADE 60 REINFORCING BAR SCHEDULE (BAR SIZE AND NUMBER OF BARS REQUIRED)													
		15 DEGREE SKEW													
			"mm"		"nn"		"pp"		"qq"		"rr"		"ss"		
SPAN "S" INSIDE	HEIGHT "H" INSIDE	WIDTH HEAD WALL "HW"	SIZE	NUMBER OF BARS	SIZE	NUMBER OF BARS	SIZE	NUMBER OF BARS	SIZE	NUMBER OF BARS	SIZE	NUMBER OF BARS	SIZE	NUMBER OF BARS	WIDTH HEAD WALL "HW"
4'	2'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
4'	3'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
4'	4'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
6'	2'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
6'	3'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
6'	4'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
6'	5'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
6'	6'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
6'	7'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
8'	4'	12"	#9	2	#9	2	#7	2	#4	2	#8	2	#8	2	12"
8'	5'	12"	#9	2	#9	2	#7	2	#4	2	#8	2	#8	2	12"
8'	6'	12"	#9	2	#9	2	#7	2	#4	2	#8	2	#8	2	12"
8'	7'	12"	#9	2	#9	2	#7	2	#4	2	#8	2	#8	2	12"
8'	8'	12"	#9	2	#9	2	#7	2	#4	2	#8	2	#8	2	12"
10'	3'	12"	#10	2	#10	2	#8	2	#5	2	#10	2	#9	2	14"
10'	4'	12"	#10	2	#10	2	#8	2	#5	2	#10	2	#9	2	14"
10'	5'	12"	#10	2	#10	2	#8	2	#5	2	#10	2	#9	2	14"
10'	6'	12"	#10	2	#10	2	#8	2	#5	2	#10	2	#9	2	14"
10'	7'	12"	#10	2	#10	2	#8	2	#5	2	#10	2	#9	2	14"
10'	8'	12"	#10	2	#10	2	#8	2	#5	2	#10	2	#9	2	14"
10'	9'	12"	#10	2	#10	2	#8	2	#5	2	#10	2	#9	2	14"
10'	10'	12"	#10	2	#10	2	#8	2	#5	2	#10	2	#9	2	14"
10'	11'	12"	#10	2	#10	2	#8	2	#5	2	#10	2	#9	2	14"
10'	12'	12"	#10	2	#10	2	#8	2	#5	2	#10	2	#9	2	14"
12'	6'	14"	#11	3	#10	3	#11	2	#6	2	#11	3	#10	3	24"
12'	7'	14"	#11	3	#10	3	#11	2	#6	2	#11	3	#10	3	24"
12'	8'	14"	#11	3	#10	3	#11	2	#6	2	#11	3	#10	3	24"
12'	9'	14"	#11	3	#10	3	#11	2	#6	2	#11	3	#10	3	24"
* 12'	10'	14"	#11	3	#10	3	#11	2	#6	2	#11	3	#10	3	24"
12'	12'	14"	#11	3	#10	3	#11	2	#6	2	#11	3	#10	3	24"
14'	8'	24"	#11	4	#11	4	#10	3	#8	3	#11	4	#10	4	36"
14'	9'	24"	#11	4	#11	4	#10	3	#8	3	#11	4	#10	4	36"
14'	10'	24"	#11	4	#11	4	#10	3	#8	3	#11	4	#10	4	36"
14'	11'	24"	#11	4	#11	4	#10	3	#8	3	#11	4	#10	4	36"
14'	12'	24"	#11	4	#11	4	#10	3	#8	3	#11	4	#10	4	36"
14'	13'	24"	#11	4	#11	4	#10	3	#8	3	#11	4	#10	4	36"
14'	14'	24"	#11	4	#11	4	#10	3	#8	3	#11	4	#10	4	36"

BOX CULVERT NOMINAL DIMENSIONS		HEADWALL AND CUTOFF WALL DIMENSION & GRADE 60 REINFORCING BAR SCHEDULE (BAR SIZE AND NUMBER OF BARS REQUIRED)													
		30 DEGREE SKEW													
			"mm"		"nn"		"pp"		"qq"		"rr"		"ss"		
SPAN "S" INSIDE	HEIGHT "H" INSIDE	WIDTH HEAD WALL "HW"	SIZE	NUMBER OF BARS	SIZE	NUMBER OF BARS	SIZE	NUMBER OF BARS	SIZE	NUMBER OF BARS	SIZE	NUMBER OF BARS	SIZE	NUMBER OF BARS	WIDTH HEAD WALL "HW"
4'	2'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
4'	3'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
4'	4'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
6'	2'	12"	#8	2	#8	2	#7	2	#4	2	#8	2	#7	2	12"
6'	3'	12"	#8	2	#8	2	#7	2	#4	2	#8	2	#7	2	12"
6'	4'	12"	#8	2	#8	2	#7	2	#4	2	#8	2	#7	2	12"
6'	5'	12"	#8	2	#8	2	#7	2	#4	2	#8	2	#7	2	12"
6'	6'	12"	#8	2	#8	2	#7	2	#4	2	#8	2	#7	2	12"
6'	7'	12"	#8	2	#8	2	#7	2	#4	2	#8	2	#7	2	12"
8'	4'	12"	#10	2	#10	2	#7	2	#4	2	#10	2	#9	2	12"
8'	5'	12"	#10	2	#10	2	#7	2	#4	2	#10	2	#9	2	12"
8'	6'	12"	#10	2	#10	2	#7	2	#4	2	#10	2	#9	2	12"
8'	7'	12"	#10	2	#10	2	#7	2	#4	2	#10	2	#9	2	12"
8'	8'	12"	#10	2	#10	2	#7	2	#4	2	#10	2	#9	2	12"
10'	3'	14"	#11	3	#11	3	#9	2	#6	2	#11	3	#11	3	24"
10'	4'	14"	#11	3	#11	3	#9	2	#6	2	#11	3	#11	3	24"
10'	5'	14"	#11	3	#11	3	#9	2	#6	2	#11	3	#11	3	24"
10'	6'	14"	#11	3	#11	3	#9	2	#6	2	#11	3	#11	3	24"
10'	7'	14"	#11	3	#11	3	#9	2	#6	2	#11	3	#11	3	24"
10'	8'	14"	#11	3	#11	3	#9	2	#6	2	#11	3	#11	3	24"
10'	9'	14"	#11	3	#11	3	#9	2	#6	2	#11	3	#11	3	24"
10'	10'	14"	#11	3	#11	3	#9	2	#6	2	#11	3	#11	3	24"
10'	11'	14"	#11	3	#11	3	#9	2	#6	2	#11	3	#11	3	24"
10'	12'	14"	#11	3	#11	3	#9	2	#6	2	#11	3	#11	3	24"
12'	6'	24"	#11	3	#11	3	#11	2	#6	2	#11	3	#9	3	48"
12'	7'	24"	#11	3	#11	3	#11	2	#6	2	#11	3	#9	3	48"
12'	8'	24"	#11	3	#11	3	#11	2	#6	2	#11	3	#9	3	48"
12'	9'	24"	#11	3	#11	3	#11	2	#6	2	#11	3	#9	3	48"
* 12'	10'	24"	#11	3	#11	3	#11	2	#6	2	#11	3	#9	3	48"
12'	12'	24"	#11	3	#11	3	#11	2	#6	2	#11	3	#9	3	48"
14'	8'	36"	#11	9	#11	9	#9	8	#6	8	#11	9	#11	9	48"
14'	9'	36"	#11	9	#11	9	#9	8	#6	8	#11	9	#11	9	48"
14'	10'	36"	#11	9	#11	9	#9	8	#6	8	#11	9	#11	9	48"
14'	11'	36"	#11	9	#11	9	#9	8	#6	8	#11	9	#11	9	48"
14'	12'	36"	#11	9	#11	9	#9	8	#6	8	#11	9	#11	9	48"
14'	13'	36"	#11	9	#11	9	#9	8	#6	8	#11	9	#11	9	48"
14'	14'	36"	#11	9	#11	9	#9	8	#6	8	#11	9	#11	9	48"

BOX CULVERT NOMINAL DIMENSIONS		HEADWALL AND CUTOFF WALL DIMENSION & GRADE 60 REINFORCING BAR SCHEDULE (BAR SIZE AND NUMBER OF BARS REQUIRED)													
		45 DEGREE SKEW													
			"mm"		"nn"		"pp"		"qq"		"rr"		"ss"		
SPAN "S" INSIDE	HEIGHT "H" INSIDE	WIDTH HEAD WALL "HW"	SIZE	NUMBER OF BARS	SIZE	NUMBER OF BARS	SIZE	NUMBER OF BARS	SIZE	NUMBER OF BARS	SIZE	NUMBER OF BARS	SIZE	NUMBER OF BARS	WIDTH HEAD WALL "HW"
4'	2'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
4'	3'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
4'	4'	12"	#7	2	#7	2	#7	2	#4	2	#7	2	#7	2	12"
6'	2'	12"	#10	2	#10	2	#7	2	#4	2	#9	2	#8	2	12"
6'	3'	12"	#10	2	#10	2	#7	2	#4	2	#9	2	#8	2	12"
6'	4'	12"	#10	2	#10	2	#7	2	#4	2	#9	2	#8	2	12"
6'	5'	12"	#10	2	#10	2	#7	2	#4	2	#9	2	#8	2	12"
6'	6'	12"	#10	2	#10	2	#7	2	#4	2	#9	2	#8	2	12"
6'	7'	12"	#10	2	#10	2	#7	2	#4	2	#9	2	#8	2	12"
8'	4'	14"	#11	3	#11	3	#9	2	#5	2	#11	3	#11	3	14"
8'	5'	14"	#11	3	#11	3	#9	2	#5	2	#11	3	#11	3	14"
8'	6'	14"	#11	3	#11	3	#9	2	#5	2	#11	3	#11	3	14"
8'	7'	14"	#11	3	#11	3	#9	2	#5	2	#11	3	#11	3	14"
8'	8'	14"	#11	3	#11	3	#9	2	#5	2	#11	3	#11	3	14"
10'	3'	24"	#11	3	#11	3	#11	2	#5	2	#11	3	#11	3	24"
10'	4'	24"	#11	3	#11	3	#11	2	#6	2	#11	3	#11	3	24"
10'	5'	24"	#11	3	#11	3	#11	2	#6	2	#11	3	#11	3	24"
10'	6'	24"	#11	3	#11	3	#11	2	#6	2	#11	3	#11	3	24"
10'	7'	24"	#11	3	#11	3	#11	2	#6	2	#11	3	#11	3	24"
10'	8'	24"	#11	3	#11	3	#11	2	#6	2	#11	3	#11	3	24"
10'	9'	24"	#11	3	#11	3	#11	2	#6	2	#11	3	#11	3	24"
10'	10'	24"	#11	3	#11	3	#11	2	#6	2	#11	3	#11	3	24"
10'	11'	24"	#11	3	#11	3	#11	2	#6	2	#11	3	#11	3	24"
10'	12'	24"	#11	3	#11	3	#11	2	#6	2	#11	3	#11	3	24"
12'	6'	48"	#11	12	#11	12	#8	11	#5	11	#11	12	#11	12	48"
12'	7'	48"	#11	12	#11	12	#8	11	#5	11	#11	12	#11	12	48"
12'	8'	48"	#11	12	#11	12	#8	11	#5	11	#11	12	#11	12	48"
12'	9'	48"	#11	12	#11	12	#8	11	#5	11	#11	12	#11	12	48"
* 12'	10'	48"	#11	12	#11	12	#8	11	#5	11	#11	12	#11	12	48"
12'	12'	48"	#11	12	#11	12	#8	11	#5	11	#11	12	#11	12	48"
14'	8'	48"	#11	12	#11	12	#8	11	#5	11	#11	12	#11	12	48"
14'	9'	48"	#11	12	#11	12	#8	11	#5	11	#11	12	#11	12	48"
14'	10'	48"	#11	12	#11	12	#8	11	#5	11	#11	12	#11	12	48"
14'	11'	48"	#11	12	#11	12	#8	11	#5	11	#11	12	#11	12	48"
14'	12'	48"	#11	12	#11	12	#8	11	#5	11	#11	12	#11	12	48"
14'	13'	48"	#11	12	#11	12	#8	11	#5	11	#11	12	#11	12	48"
14'	14'	48"	#11	12	#11	12	#8	11	#5	11	#11	12	#11	12	48"

RECORD DRAWING

* EXAMPLE OF USE OF THIS TABLE:
PROPOSED STRUCTURE – DOUBLE BARREL, 12 FT. SPAN/10 FT. HEIGHT, CBC WITH 30° SKEW.
USE THE FOLLOWING BUILD INFORMATION FROM THE TABLE ABOVE:

BOX CULVERT NOMINAL DIMENSIONS		HEADWALL AND CUTOFF WALL DIMENSION GRADE 60 REINFORCING BAR SCHEDULE (BAR SIZE AND NUMBER OF BARS REQUIRED)													
		30 DEGREE SKEW													
			"mm"		"nn"		"pp"		"qq"		"rr"		"ss"		
SPAN "S" INSIDE	HEIGHT "H" INSIDE	WIDTH HEAD WALL "HW"	SIZE	NUMBER OF BARS	SIZE	NUMBER OF BARS	SIZE	NUMBER OF BARS	SIZE	NUMBER OF BARS	SIZE	NUMBER OF BARS	SIZE	NUMBER OF BARS	WIDTH HEAD WALL "HW"
12'	10'	24"	#11	3	#11	3	#11	2	#6	2	#11	3	#9	3	24"

LENGTH OF BARS: THE LENGTH OF "mm", "nn", "rr", "ss", & #5HW5 SHALL BE DETERMINED BY:

LENGTH = [[[("WO"*2)+("S"*N)+["WI"*(N−1)]]/COS(SKEW ANGLE)] −4" (ROUND DOWN TO NEAREST ½")

THESE BARS SHALL BE FURNISHED IN FULL LENGTHS CALCULATED OR BE MECHANICALLY COUPLED BY DEVICES LISTED ON THE NMDOT APPROVED PRODUCTS LIST.

N = NUMBER OF BARRELS (1, 2, 3, OR 4)

"qq" BAR LENGTH = "H" + 59"

"pp" BAR = ["H"+(5'−4" MIN. OR ("TT"+"TB"+8") IF LARGER)]−10"+ 2*STANDARD HOOK LENGTH

FOR EXTENSIONS OF EXISTING CBC'S OF S=5', S=7', AND S=9' SIZE SPANS NOT INCLUDED IN THIS TABLE, USE DIMENSIONS, BAR SIZES, AND NUMBER OF BARS FOR NEXT GREATER SPAN TO BUILD. FOR EXAMPLE, FOR S=5' USE DIMENSIONS AND BAR DETAILS FROM THE TABLE FOR S=6'. USE S=5' IN FORMULAS TO DETERMINE LENGTH OF BARS "mm", "nn", "ss", "rr", AND #5HW5. ANY OTHER SIZE OF BOX EXTENSIONS NOT COVERED BY THIS MODIFICATION SHALL BE DONE THROUGH SPECIAL DESIGNS INCLUDED IN THE PROJECT PLANS.

NOTE:
THIS TABLE IS FOR USE WITH ONE TO FOUR BARRELS. FOR FIVE OR MORE BARRELS USE COMBINATIONS OF ONE TO FOUR BARRELS REPEATING THIS DESIGN.

NO.	DATE	REV. BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO
DEPARTMENT OF TRANSPORTATION
STANDARD DRAWING

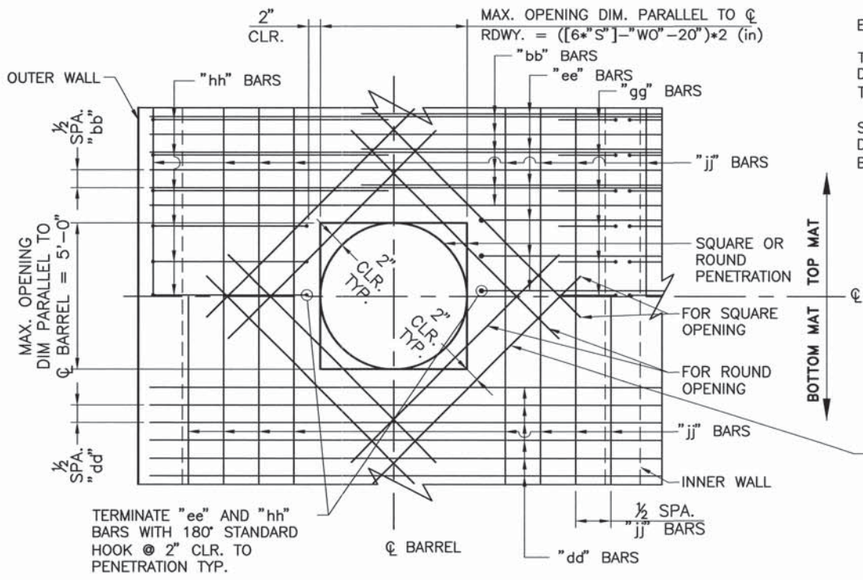
CONCRETE BOX CULVERT HEADWALL
ALL DESIGN FILLS–0° 15° 30° 45°
SKEWS DIMS AND REBAR SCHEDULE

APPROVED _____ DESIGN ENGINEER Apr 9, 07 DATE

DESIGNED BY TLB DRAWN BY SGL CHECKED BY HDR

511-66-2/6 2 OF 6

15-33



TOP SLAB PENETRATION DETAIL

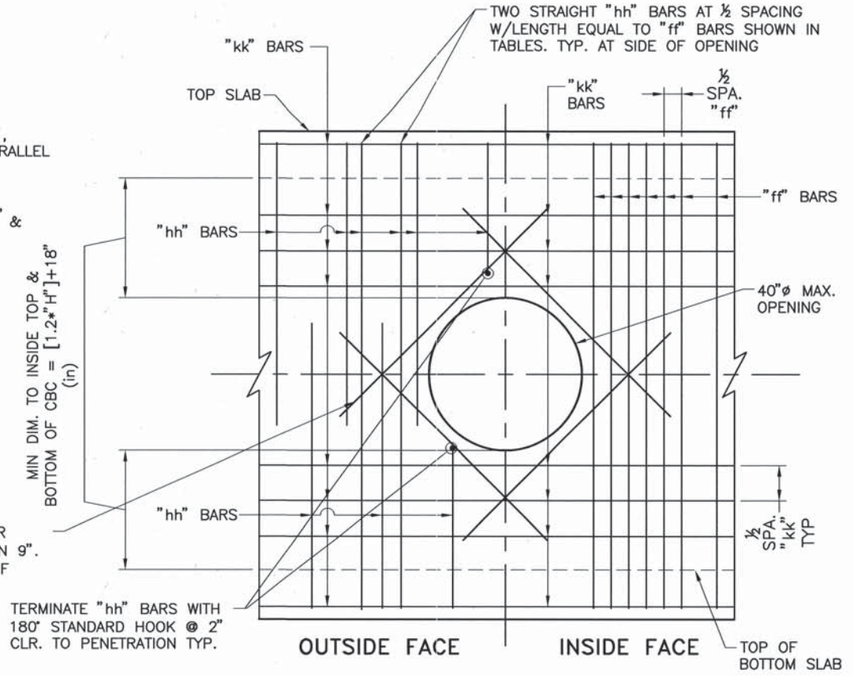
NOTE: MOVE "bb", "dd" AND "jj" BARS FROM LOCATION AT PENETRATION AND PLACE EQUALLY AT ½ SPACING ON EACH SIDE OF OPENING.

EXAMPLES:

TOP SLAB – "S"=10' "H"=7', DESIGN FILL "B", DOUBLE BARREL CBC: MAX. OPENING DIM. PARALLEL TO ℄ RDWY. = ([6*10]–9–20)*2 = 62 (in)

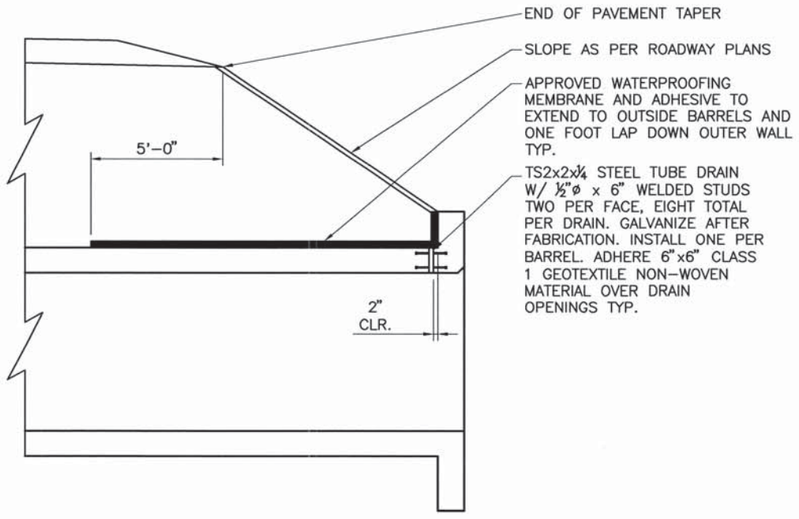
SIDE WALL – S"=10' "H"=7', DESIGN FILL "B", DOUBLE BARREL CBC: MIN DIM. TO INSIDE TOP & BOTTOM OF CBC = [1.2*7]+18 = 26.4 (in)

TWO MATS OF #5 BARS INSIDE OF ALL OTHER TYPICAL REINFORCING FOR "TI" GREATER THAN 9". OTHERWISE ONE MAT OF #5 BARS. LENGTH OF BARS EQUAL TO TWICE DIM. OF OPENING.



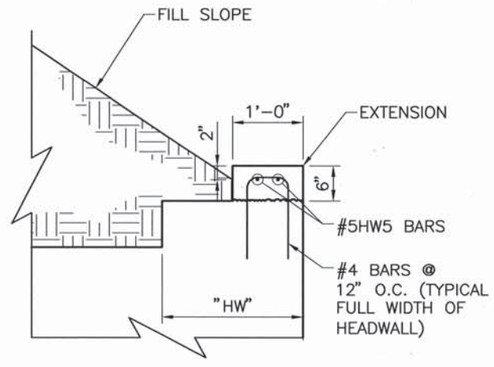
OUTER WALL PENETRATION DETAIL

NOTE: MOVE "ff" AND "kk" BARS FROM LOCATION AT PENETRATION AND PLACE EQUALLY AT ½ SPACING ON EACH SIDE OF OPENING.



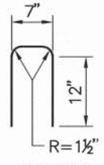
TOP SLAB MEMBRANE AND HEADWALL DRAIN DETAIL

NOTE: THIS DETAIL SHALL BE CONSTRUCTED FOR ANY NEW CBC OR CBC EXTENSION.



HEADWALL EXTENSION DETAIL

NOTE: IF "HW" IS GREATER THAN 12" ADD EXTENSION AND FILL AS SHOWN. 2" DIM. TYP. OF ALL HEADWALL.



BAR DETAIL

RECORD DRAWING

PAYMENT NOTE: ALL WORK AND MATERIALS ASSOCIATED WITH HEADWALL EXTENSION, MEMBRANE, DRAINS, AND PENETRATIONS SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION OF A FINISHED CBC AND NO FURTHER PAYMENT WILL BE MADE FOR THESE INCLUDED ITEMS.

NO.	DATE	REV. BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

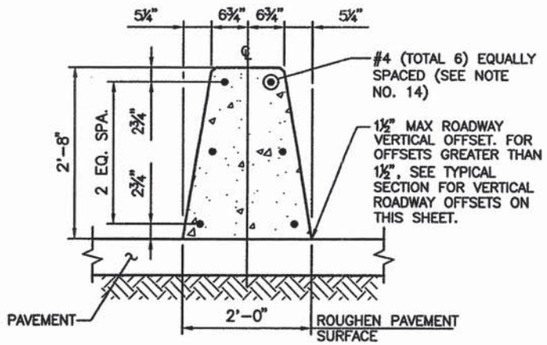
NEW MEXICO
DEPARTMENT OF TRANSPORTATION
STANDARD DRAWING

CONCRETE BOX CULVERT EXTENSION
ALL DESIGN FILLS – ALL SKEWS
MISCELLANEOUS DETAILS & BACKFILL

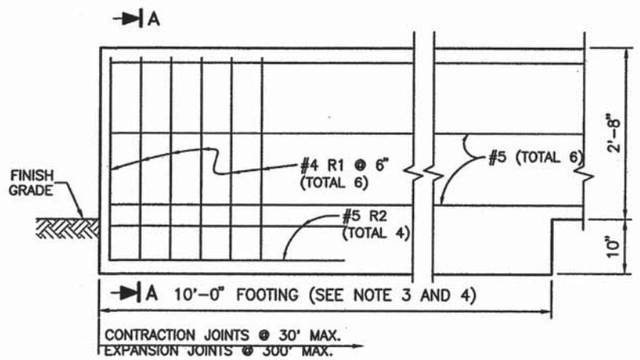
APPROVED _____ DESIGN ENGINEER Apr 9, 07 DATE

DESIGNED BY TLB DRAWN BY SGL CHECKED BY HDR

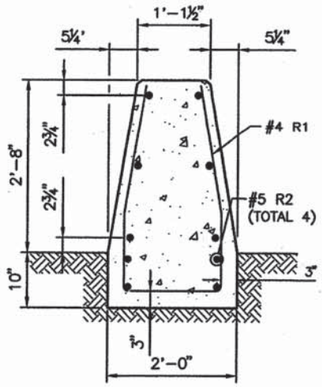
511–66–5/6 5 OF 6



TYPICAL SECTION



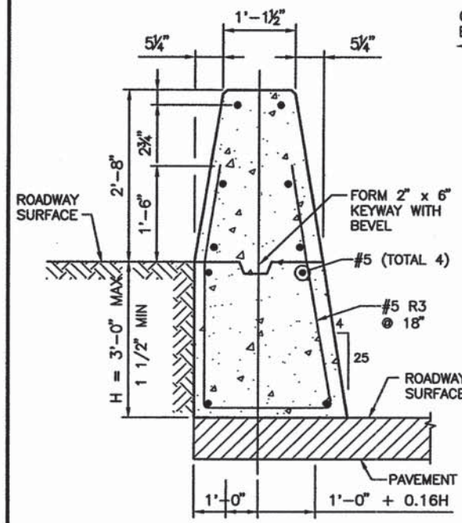
END ANCHORAGE



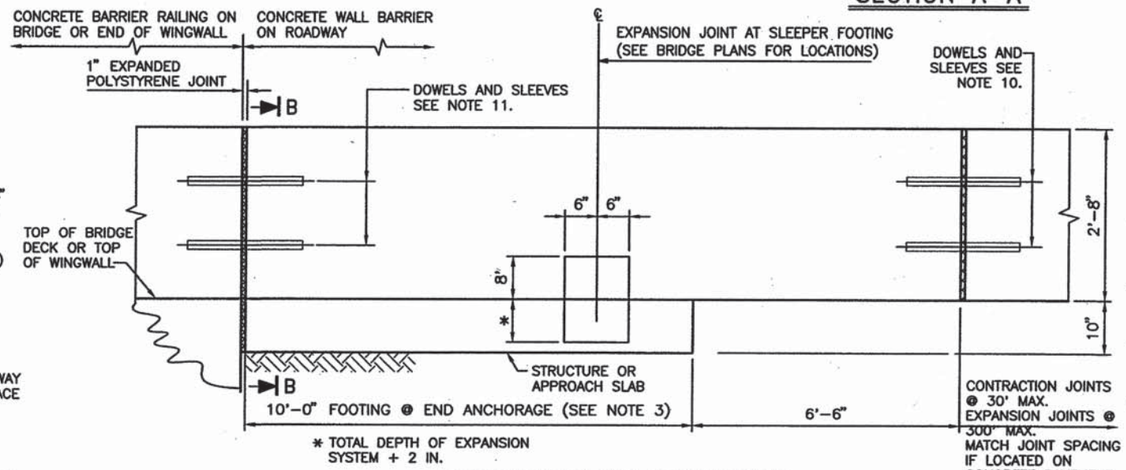
SECTION A–A

NOTES

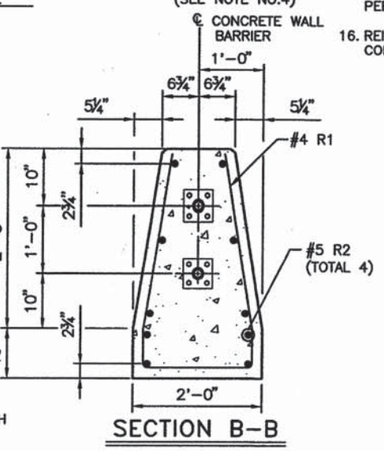
1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION.
2. CONCRETE SHALL BE CLASS "A".
3. FOOTING IS REQUIRED AT CONCRETE BARRIER ENDS AND AT INTERRUPTIONS IN CONCRETE BARRIER.
4. EXPANSION AND CONTRACTION JOINTS IN CONCRETE WALL BARRIER SHALL BE LOCATED AT THE CONCRETE PAVEMENT JOINTS. JOINT FILLER MATERIAL SHALL BE THE SAME SIZE AS JOINT OR 1/2" IN. MINIMUM.
5. REINFORCING STIRRUP, R3 IS NOT REQUIRED FOR VERTICAL ROADWAY OFFSETS LESS THAN 1 FOOT. FOR OFFSETS LESS THAN 1 FOOT WALL BARRIERS SHALL BE CAST MONOLITHIC.
6. FOR ADDITIONAL DETAILS SEE STANDARD PLAN "CONCRETE WALL BARRIER TYPE 32 AT COLUMN AND SIGN PEDESTALS".
7. CHAMFER ALL EXPOSED EDGES 3/4".
8. CONCRETE COVER FOR REINFORCING BARS SHALL BE A MIN. OF 2 IN. CLEAR.
9. PROVIDE CONTRACTION JOINTS AT 30 FEET MAX INTERVALS. CONTRACTION JOINTS SHALL BE MADE USING COLD JOINTS, TOOLED JOINTS, OR SAW CUTS. SAW CUT JOINTS SHALL BE SEALED WITH A SILICON SEALANT APPROVED BY THE PROJECT MANAGER.
10. EXPANSION JOINTS SHALL BE LOCATED AT 300 FT. MAX. INTERVALS. EXPANSION JOINTS SHALL BE CONSTRUCTED 0 FEET AND 15 FEET FROM END OF BRIDGE RAILING. (SEE CONNECTION TO STRUCTURE DETAIL, THIS SHEET) SEE DRAWING TITLED "32 IN. DOWEL ASSEMBLY FOR EXPANSION JOINTS IN CONCRETE WALL BARRIER AND CONCRETE BARRIER RAILING" FOR EXPANSION JOINT DETAILS.
11. FOR DOWEL AND SLEEVE ASSEMBLY SEE SERIAL NO. 606-15-2/6 TITLED "TYPICAL DOWEL ASSEMBLY FOR EXPANSION JOINTS IN CONCRETE WALL BARRIER AND CONCRETE BARRIER RAILING".
12. ADDITIONAL STEEL REINFORCING REQUIRED BY THE CONTRACTOR FOR CONSTRUCTION OF THE BARRIER WALL SHALL BE INCIDENTAL TO THE UNIT PRICE FOR CONCRETE WALL BARRIER.
13. CWB SHALL BE INSTALLED BY EITHER SLIP-FORMING OR CASTING-IN-PLACE. PRECAST SECTION INSTALLATION IS NOT PERMITTED.
14. THE LONGITUDINAL REBARS MAY BE SUBSTITUTED WITH WELDED DEFORMED WIRE FABRIC (ASTM A497, fy = 70,000 psi) WITH AN EQUIVALENT AREA OF STEEL. THE CAGE SHALL REMAIN IN THE INTENDED POSITION DURING CONSTRUCTION.
15. CONCRETE WALL BARRIER TYPE 32 SHALL BE PAID PER LINEAR FOOT PER INSTALLATION.
16. REINFORCING BARS SHALL BE INCLUDED IN THE COST OF THE CONCRETE WALL BARRIER.



TYPICAL SECTION FOR VERTICAL ROADWAY OFFSETS



CONNECTION TO STRUCTURE



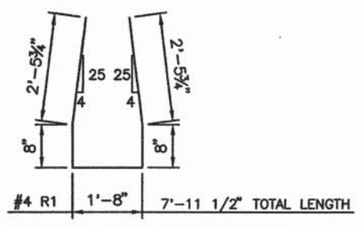
SECTION B–B

ESTIMATED QUANTITIES

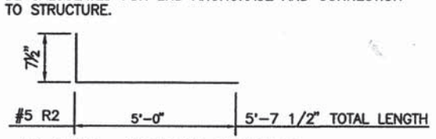
(FOR CONTRACTOR'S INFORMATION ONLY)

ITEM	UNIT	TOTAL
REINFORCING BARS, GR 60	LB/FT	6.3
STRUCTURAL CONCRETE, "CLASS A"	CY/YD	0.16

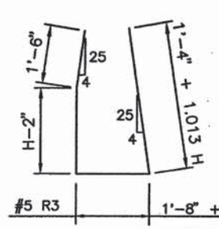
THE QUANTITIES SHOWN IN THE ABOVE TABLE ARE BASED ON THE TYPICAL SECTION. ADDITIONAL QUANTITIES MUST BE CALCULATED FOR END ANCHORAGE AND CONNECTION TO STRUCTURE.



NO. REQ'D = 6 PER END ANCHORAGE
6 PER CONNECTION TO STRUCTURE



NO. REQ'D = 4 PER END ANCHORAGE
4 PER CONNECTION TO STRUCTURE



4'-4" + 2.173H TOTAL LENGTH
NO. REQ'D = 0.67 PER FOOT

RECORD DRAWING

NO.	DATE	REV. BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

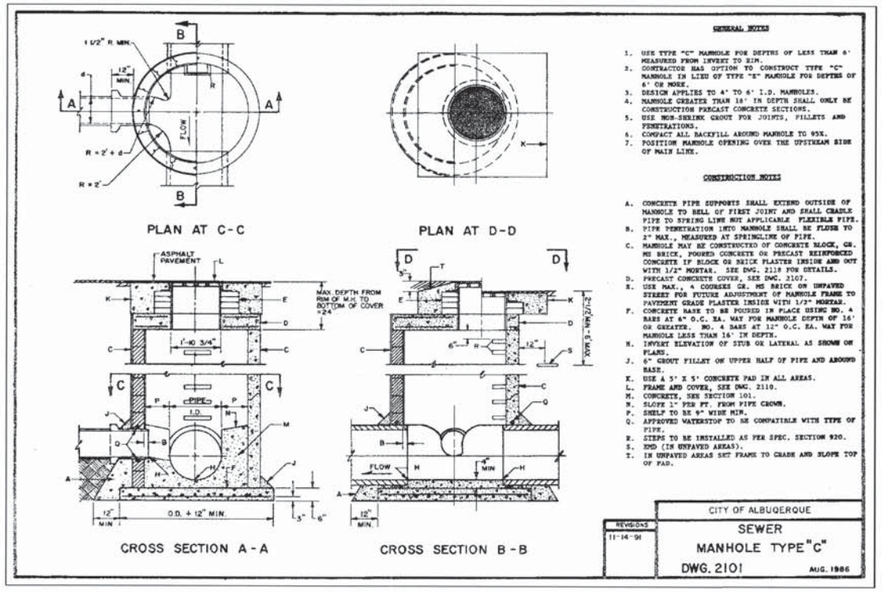
NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

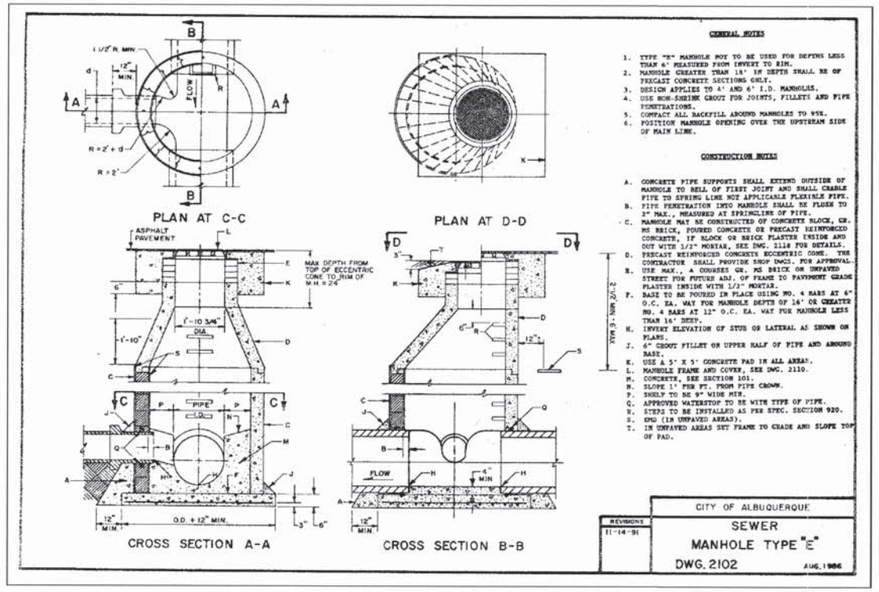
CONCRETE WALL BARRIER TYPE 32

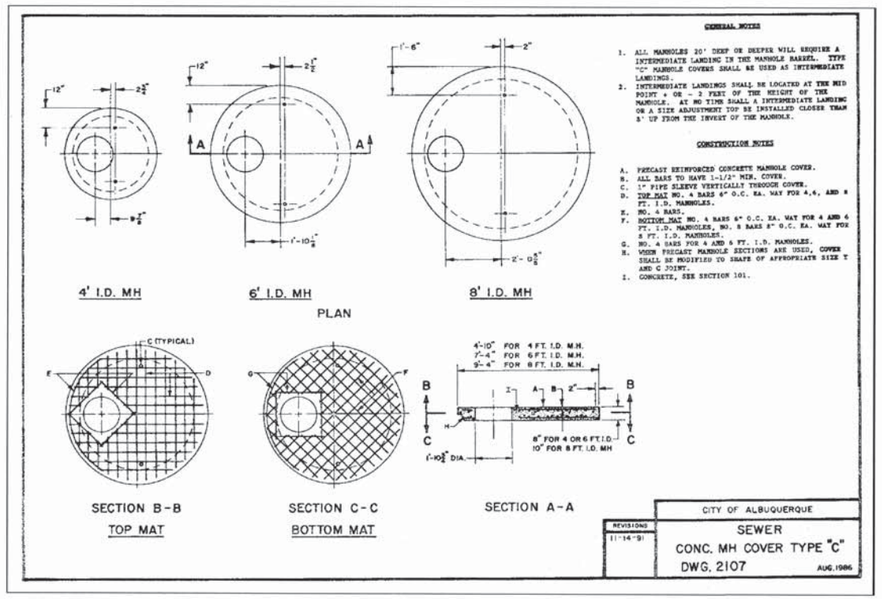
APPROVED _____ DESIGN ENGINEER 11-29-04 DATE

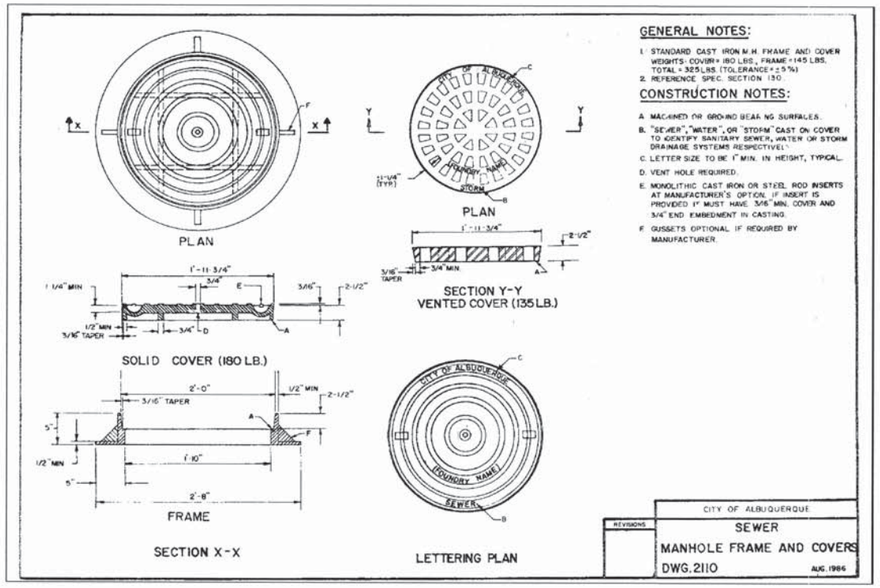
DESIGNED BY NA DRAWN BY VRV CHECKED BY MG

606-15-1/6 SHEET 1 OF 6









AS BUILT INFORMATION

BENCH MARKS
CONTRACTOR A.S. HONNER
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet. ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

WORK STAKED BY	SNIDER MILLER 3/08 DATE
INSPECTOR'S CHANGE BY	BCPWD 3/09 DATE
FIELD VERIFICATION BY	BCPWD 3/09 DATE
AS-BUILTS BY	P.B. 5/09 DATE
CORRECTED BY	MICRO-FILM INFORMATION
RECORDED BY	DATE
NO.	

ENGINEER'S SEAL

RECORD DRAWING

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY	TWTK DATE 08/01/07
		DRAWN BY	TWTK DATE 08/01/07
		CHECKED BY	DCM DATE 08/01/07

PB Parsons Brinckerhoff

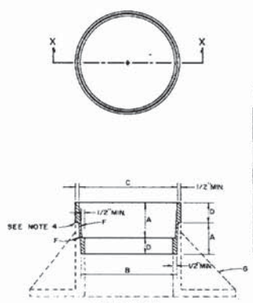
COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
C.O.A. STANDARD DRAWINGS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	16-1

G:\33588_Edith\04 Engineering\Plans\Section 2\STD-DET-SAS-1.dwg 8/7/2007 2:07:16 PM MDT



SECTION X-X
NOT TO SCALE
VERTICAL SCALE EXAGERATED FOR CLARITY

COMMON C.O.A. MH FRAME SIZES

A	B	C	D
2½	23½	23⅜	
2½	23½	23⅜	
2½	23½	23⅜	
2	23⅜	23½	
2¼	23⅜	23½	
2½	23½	23⅜	
2½	23⅜	23⅜	
2½	23½	23½	
2½	23½	23⅜	
1	24⅛	25	1½

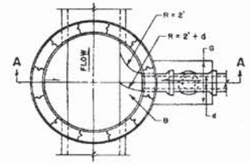
GENERAL NOTES

1. ADJUSTMENT RING MADE FROM STANDARD ALUMINUM CASTING, ALLOY 319.
2. I.D., O.D. AND DEPTH SHALL BE MACHINED TO REQUIRED DIMENSIONS.
3. DUE TO VARYING EXISTING FRAME AND COVER SIZES, ALL DIMENSIONS MUST BE FIELD VERIFIED PRIOR TO MACHINING.
4. ALL EDGES OF RING SHALL BE LIGHTLY GROUND AFTER MACHINING TO REMOVE SHARPNESS AND BURRS.
5. COAT ALL SURFACES OF RING WITH CLEAR ACRYLIC RESIN AFTER MACHINING.

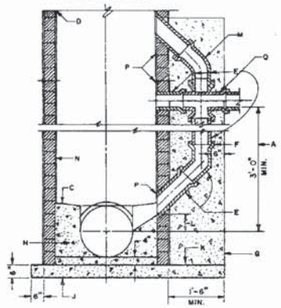
CONSTRUCTION NOTES

A. DIMENSION=DEPTH OF EXISTING COVER EDGE.
B. DIMENSION=RING O.D.=FRAME ID AT SEAT.
C. DIMENSION=RING I.D.=FRAME O.D. AT RIM.
D. DIMENSION=HEIGHT OF RING ADJUSTMENT.
E. EXISTING FRAME AND COVER SHALL BE CLEANED AND REUSED.
F. TAPER=1/2A(C-B).
G. EXISTING FRAME.

CITY OF ALBUQUERQUE
REVISIONS
SEWER
MANHOLE COVER ADJUSTMENT RING
DWG. 2111
AUG. 1986



FLOOR PLAN

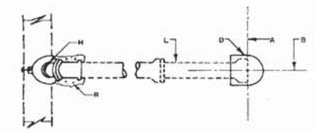


SECTION A-A

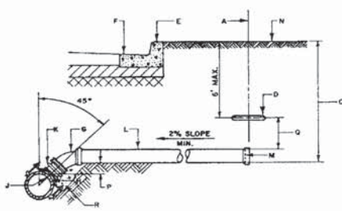
CONSTRUCTION NOTES

A. VERTICAL DROP.
B. FORM THE INVERT IN SHELF.
C. SLOPE, 1" PER FT.
D. MANHOLE TYPE FOR UPPER PORTION WILL BE SPECIFIED ON DESIGN PROFILE.
E. USE I.D. OR P.V.C. (SDR 35) PIPE THROUGHOUT DROP.
F. USE BELL AND SPIGOT 45° SHORT OR LONG RADIUS BEND.
G. CONCRETE SUPPORT WIDTH EQUALS PIPE O.D. PLUS 6" MIN EACH SIDE.
H. CONCRETE, SEE SECTION 101.
J. REINFORCED CONCRETE BASE. SEE CONSTRUCTION NOTE F. OF DWG. 2101, 2102.
K. FOR NEW DROP ON EXISTING MANHOLE CONSTRUCT 3 X 3 CONCRETE BASE BEFORE CONSTRUCTING DROP SUPPORT.
L. 4" ABOVE SPRING LINE OR AS SHOWN ON PLAN.
M. 6" MIN. DIAMETER. 2-22 1/2° OR 1-45° ELBOW.
N. INTERIOR OR DROP MANHOLE MUST BE COATED WITH APPROVED SEALER IN ACCORDANCE WITH SPEC. SECTION 920.4.
P. CORE DRILL FOR ALL WALL PENETRATIONS ON EXISTING MANHOLES.
Q. CROSS OR TEE. A TEE MAY BE USED ONLY WHEN THE VERTICAL RISE IS INSUFFICIENT FOR THE VERTICAL PIPING ABOVE THE SEWER LINE TO ENTER THE BARREL OF THE MANHOLE.

CITY OF ALBUQUERQUE
REVISIONS
11-14-91
SEWER
VERTICAL DROP AT MH
DWG. 2116
AUG. 1986



SERVICE LINE PLAN



CROSS SECTION

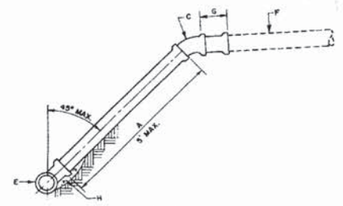
GENERAL NOTES

1. ALL SERVICE LINES SHALL CONFORM TO THE PLUMBING CODE OF THE CITY OF ALBUQUERQUE.

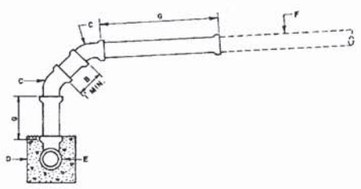
CONSTRUCTION NOTES

A. RIGHT-OF-WAY LINE.
B. CENTER LINE SERVICE LINE.
C. MIN. OF 4FT. TO 6FT. FROM INVERT TO TOP OF CURB AT RIGHT-OF-WAY LINE. MIN. DEPTH WILL DEPEND ON THE DEPTH OF THE MAIN SEWER LINE, THE MIN. SERVICE LINE SLOPE, THE DEPTH OF THE LOT BEING SERVED, LOCATION OF THE HOUSE ON THE LOT, AND THE GRADE OF THE LOT.
D. ELECTRONIC MARKER BISC., COLOR CODED GREEN, PLACED ONLY IF SERVICE HOOK-UP IS POSTPONED.
E. STAMP OR CHISEL 3" SIZE "S" OR TOP OF CURB OVER LOCATION OF SERVICE LINE, MIN. 1/4" DEEP.
F. CURB AND GUTTER.
G. 22.5° OR 45° BEND.
H. CORE DRILLED, USING POWLER QUIK-WAT DRILL SYSTEM, OR PILOT HOLE CUTTER SYSTEM OR APPROVED EQUAL.
J. SERVICE LINE SHALL NOT PROTRUDE INTO SEWER MAIN.
K. SANITARY SEWER TAPPING TEE, USING FISHBURN OR GENERAL ENGINEERING CO. SADDLES OR APPROVED EQUAL. DO NOT OVER TIGHTEN SADDLE BOLTS TO WHICH WOULD PREVENT FREE PASSAGE OF REQUIRED MANDREL.
L. SERVICE LINE, (C.I. SOIL PIPE, SERVICE WEIGHT).
M. PLUG OR CAP.
N. GROUND LEVEL.
P. SAME ELEVATION OR HIGHER.
Q. APPROXIMATELY 4" BUT DEPTH OF BURIAL SHALL NOT BE MORE THAN 6'.
R. BACKFILL UNDER SERVICE WITH MIN. 1 CUBIC FOOT OF P.C. CONCRETE ("SACKCRETE" OR EQUAL ALLOWABLE THIS INSTALLATION).

CITY OF ALBUQUERQUE
REVISIONS
11-14-91
SEWER
SERVICE LINE DETAILS
DWG. 2125
AUG. 1986



DETAIL I



DETAIL II

GENERAL NOTES:

1. IF DISTANCE A IS 5' OR LESS, ROTATE MAIN SERVICE TEE AND RECONNECT SERVICE AS PER DETAIL I. IF A IS GREATER THAN 5' INSTALL RISER AS PER DETAIL II.
2. WHERE DEPTH IS INSUFFICIENT TO ALLOW RE-CONNECTION AS SHOWN IN DETAIL I OR II, RE-CONNECT SERVICE AS DIRECTED BY ENGINEER.

CONSTRUCTION NOTES:

A. VARIABLE WITH A MAX. OF 5'.
B. 1' MIN., 1.5' MAX.
C. ELBOWS, 45° DEFLECTION MAX.
D. INSTALL CONCRETE CRADLE ON TEE AS PER DWG.2135, RIGID PIPE ONLY.
E. SERVICE TEE.
F. EXIST. SERVICE LINE.
G. VARIABLE LENGTH.
H. BACKFILL UNDER SERVICE WITH MIN. 1 CUBIC FOOT OF P.C. CONCRETE ("SACKCRETE" OR EQUAL ALLOWABLE IN THIS INSTALLATION.)

CITY OF ALBUQUERQUE
REVISIONS
SEWER
SEWER SERVICE REPLACEMENT DETAIL
DWG. 2134
AUG. 1986

AS BUILT INFORMATION
CONTRACTOR A.S. HARVER
WORK STAKED BY SNYDER MILLER 4/08 DATE
INSPECTOR'S ACCEPTANCE BY BCPWD 1/09 DATE
FIELD VERIFICATION BY BCPWD 1/09 DATE
AS BUILTS CORRECTED BY P.B. 5/09 DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet. ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY TWTK	DATE 08/01/07
		DRAWN BY TWTK	DATE 08/01/07
		CHECKED BY DCM	DATE 08/01/07

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
C.O.A. STANDARD DRAWINGS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 16-2

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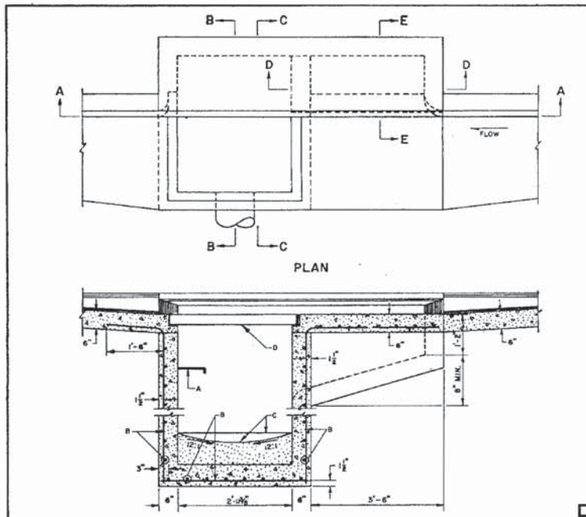


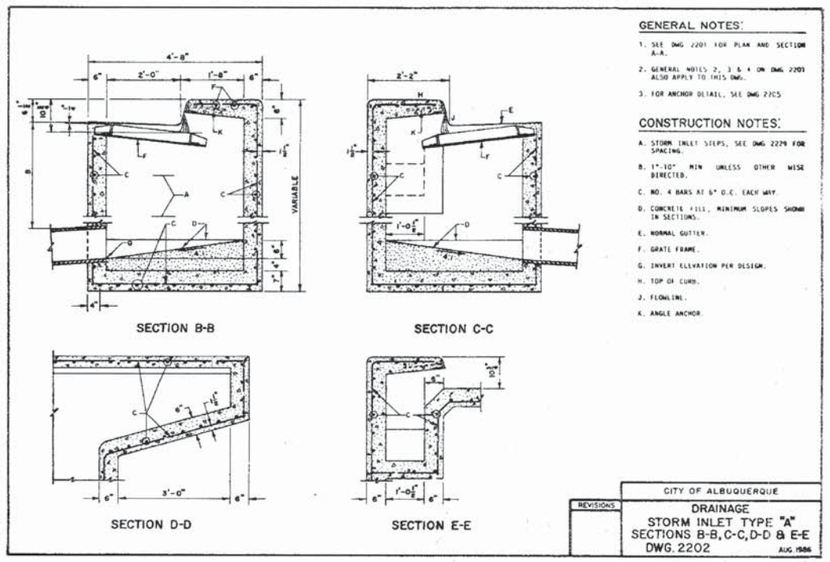
GENERAL NOTES:

1. SEE DWG. 2202 FOR TYPE "A" INLET SECTIONS.
2. FOR STORM INLET GUTTER TRANSITION, SEE DWG. 2207.
3. OUTLET PIPE SIZE, PER DESIGN REQUIREMENT.
4. FOR FRAME & GRATING, SEE DWG. 2216, 2220 & 2221.

CONSTRUCTION NOTES:

A. FOR STORM INLET DEPTHS GREATER THAN 4', INSTALL STD. STEPS, SEE DWG. 2229. STEPS ARE TO BE INSTALLED ON DOWNSTREAM FACE OF INLET.
B. NO. 4 BARS AT 6" O.C. EACH WAY.
C. CONCRETE FILL, MINIMUM SLOPE SHOWN IN SECTION A-A.
D. GRATE.

REVISIONS	CITY OF ALBUQUERQUE
12-21-92	DRAINAGE STORM INLET TYPE "A" PLAN AND SECTION A-A DWG. 2201 AUG. 1986



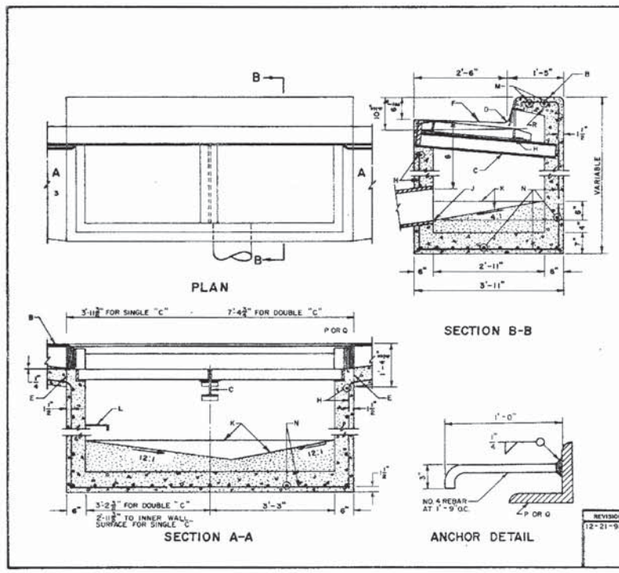
GENERAL NOTES:

1. SEE DWG 2201 FOR PLAN AND SECTION A-A.
2. GENERAL NOTES 2, 3 & 4 ON DWG 2201 ALSO APPLY TO THIS DWG.
3. FOR ANCHOR DETAIL, SEE DWG 2205

CONSTRUCTION NOTES:

A. STORM INLET STEPS, SEE DWG 2229 FOR SPACING.
B. 1"-10" MIN UNLESS OTHER WISE DIRECTED.
C. NO. 4 BARS AT 6" O.C. EACH WAY.
D. CONCRETE FILL, MINIMUM SLOPES SHOWN IN SECTIONS.
E. NORMAL GUTTER.
F. GRATE FRAME.
G. INVERT ELEVATION PER DESIGN.
H. TOP OF CURB.
J. FLOWLINE.
K. ANGLE ANCHOR

REVISIONS	CITY OF ALBUQUERQUE
12-21-92	DRAINAGE STORM INLET TYPE "A" SECTIONS B-B, C-C, D-D & E-E DWG. 2202 AUG. 1986



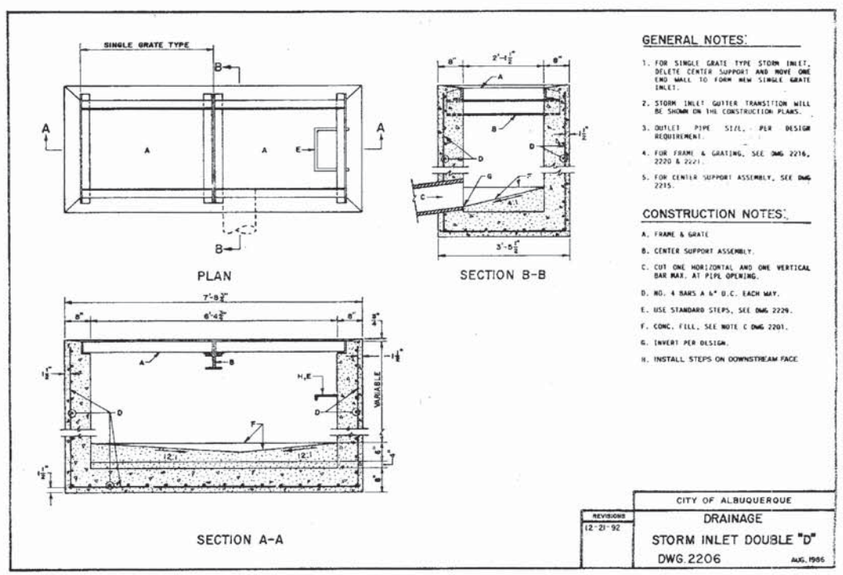
GENERAL NOTES:

1. FOR SINGLE GRATE TYPE STORM INLET DELETE CENTER SUPPORT AND MOVE ONE END WALL TO FORM NEW SINGLE GRATE INLET.
2. FOR STORM INLET GUTTER TRANSITION, SEE DWG 2207.
3. OUTLET PIPE SIZE, PER DESIGN REQUIREMENT.
4. FOR FRAME & GRATING, SEE DWG 2216, 2220 & 2221.
5. FOR ANCHOR SEE DETAIL.
6. FOR CENTER SUPPORT ASSEMBLY, SEE DWG 2215.

CONSTRUCTION NOTES:

A. GUTTER TRANSITION.
B. TOP OF CURB.
C. CENTER SUPPORT ASSEMBLY.
D. FLOWLINE.
E. CONSTRUCTION JOINT.
F. NORMAL GUTTER LINE.
G. 1"-10" MIN, UNLESS OTHERWISE DIRECTED.
H. FRAME AND GRATE.
J. INVERT OF OUTLET PIPE.
K. CONCRETE FILL, MINIMUM SLOPES AS SHOWN.
L. FOR STORM INLET DEPTHS GREATER THAN 4' INSTALL STD STEPS, SEE DWG 2229, DOWNSTREAM FACE.
M. EXTEND NO 4 REBARS 18" INTO CURB ON EACH SIDE OF STORM INLET.
N. NO. 4 BARS AT 6" O.C.
P. 3 1/2" X 3 1/2" X 1/2" X 4' - 0" FOR SINGLE GRATE TYPE "C" STORM INLET.
Q. 3 1/2" X 3 1/2" X 1/2" X 7' - 6" FOR DOUBLE GRATE TYPE "C" STORM INLET.
R. ANCHOR.

REVISIONS	CITY OF ALBUQUERQUE
12-21-92	DRAINAGE STORM INLET DOUBLE "C" DWG. 2205 AUG. 1986



GENERAL NOTES:

1. FOR SINGLE GRATE TYPE STORM INLET, DELETE CENTER SUPPORT AND MOVE ONE END WALL TO FORM NEW SINGLE GRATE INLET.
2. STORM INLET GUTTER TRANSITION WILL BE SHOWN ON THE CONSTRUCTION PLANS.
3. OUTLET PIPE SIZE, PER DESIGN REQUIREMENT.
4. FOR FRAME & GRATING, SEE DWG 2216, 2220 & 2221.
5. FOR CENTER SUPPORT ASSEMBLY, SEE DWG 2215.

CONSTRUCTION NOTES:

A. FRAME & GRATE
B. CENTER SUPPORT ASSEMBLY.
C. CUT ONE HORIZONTAL AND ONE VERTICAL BAR MAX. AT PIPE OPENING.
D. NO. 4 BARS A 6" O.C. EACH WAY.
E. USE STANDARD STEPS, SEE DWG 2229.
F. CONC. FILL, SEE NOTE C DWG 2201.
G. INVERT PER DESIGN.
H. INSTALL STEPS ON DOWNSTREAM FACE

REVISIONS	CITY OF ALBUQUERQUE
12-21-92	DRAINAGE STORM INLET DOUBLE "D" DWG. 2206 AUG. 1986

AS BUILT INFORMATION
CONTRACTOR A.S. HARPER
WORK INSPECTED BY SAMUEL MILLER 1/08 DATE
INSPECTOR'S ACCEPTANCE BY BCPWD 1/09 DATE
FIELD VERIFICATION BY BCPWD 1/09 DATE
AS-BUILTS REVIEWED BY P.B. 5/09 DATE
CORRECTED BY MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY TWTK	DATE 08/01/07
		DRAWN BY TWTK	DATE 08/01/07
		CHECKED BY DCM	DATE 08/01/07

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
COA STANDARD DRAWINGS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	16-3

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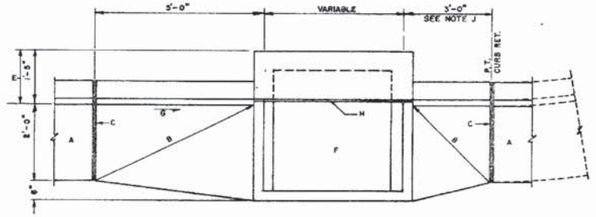


GENERAL NOTES:

1. DETAILS FOR PLACING CATCH BASINS. STANDARD CURB AND GUTTER.

CONSTRUCTION NOTES:

A. STANDARD CURB AND GUTTER.

B. STRAIGHT GRADE.

C. EXPANSION JOINT.

D. TOP OF CURB.

E. FLOWLINE.

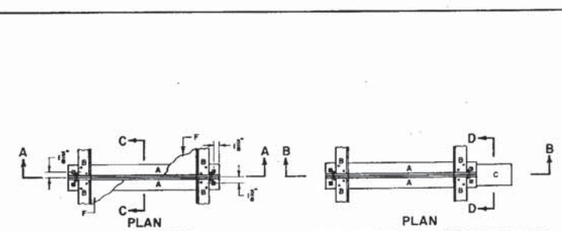
F. FOR FRAME & GRATE SEE DWG 2216, 2220 & 2221.

G. DIRECTION OF FLOW.

H. POINT OF MEASUREMENT FOR TOP OF GRATE ELEVATION.

J. PROVIDE 5 FEET TRANSITION EACH SIDE OF CATCH BASIN, WHEN INSTALLING AT SAG POINT IN INSTALLATIONS OTHER THAN AT CURB RETURN.

REVISIONS	CITY OF ALBUQUERQUE
	DRAINAGE STORM INLET GUTTER TRANSITION DWG. 2207 AUG. 1986



GENERAL NOTES:

1. ALL BOLTS USED IN CENTER SUPPORT ASSEMBLY SHALL BE $\frac{3}{4}$".
2. FRAME MAY BE RIVETED OR WELDED.
3. BOLTS (NOT RIVETS OR WELDS) SHALL BE USED TO JOIN TWO OR MORE FRAMES TOGETHER AND TO THE W" BEAM.
4. AFTER CLEANING SURFACE OF SCALE, RUST, ETC., GRATING, FRAME AND CENTER SUPPORT SHALL BE PAINTED WITH ONE SHOP COAT RED OXIDE, TWO FINISH COATS ALUMINUM PAINT (AASHTO M 69).
5. FOR SINGLE TYPE CATCH BASIN, MOVE ONE END WALL TO FORM NEW SINGLE GRATE CATCH BASIN.

CONSTRUCTION NOTES:

A. 4" x 3" x $\frac{1}{2}$" x 36$\frac{1}{2}$" ∠.

B. 3$\frac{1}{2}$" x 3" x $\frac{1}{2}$" x 40$\frac{1}{2}$" ∠.

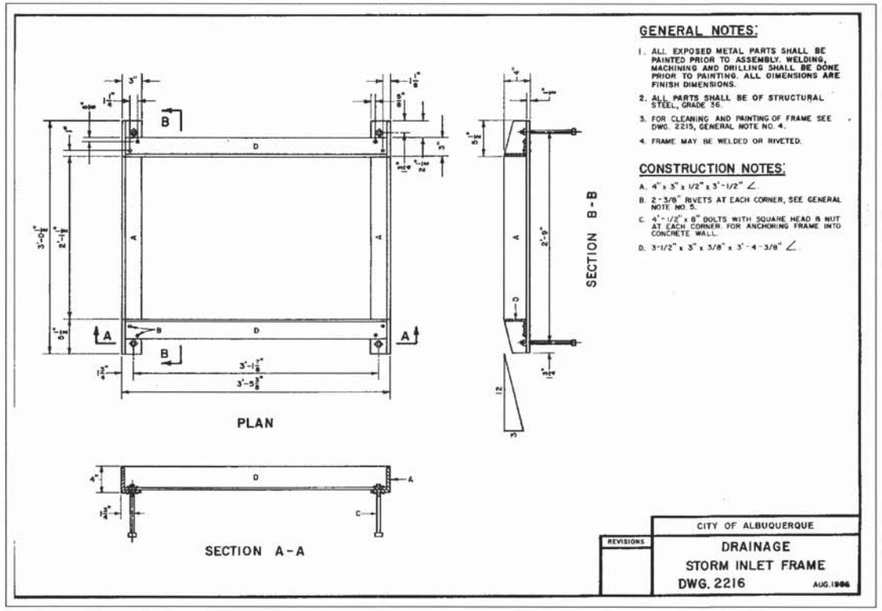
C. 5 X 5 W" 18.5 FLANGE BEAM, FOR CATCH BASIN TYPE DOUBLE "C".

D. 5 X 5 W" 18.5 FLANGE BEAM, FOR CATCH BASIN TYPE DOUBLE "D".

E. $\frac{3}{4}$" BOLTS, WITH NUTS TO SECURE ANGLE TO BEAM.

F. FOR FRAME B GRATE SEE DWGS. 2216, 2220, 2221.

REVISIONS	CITY OF ALBUQUERQUE
	DRAINAGE STORM INLET CENTER SUPPORT ASSEMBLY DWG. 2215 AUG. 1986



GENERAL NOTES:

1. ALL EXPOSED METAL PARTS SHALL BE PAINTED PRIOR TO ASSEMBLY. WELDING, MACHINING AND DRILLING SHALL BE DONE PRIOR TO PAINTING. ALL DIMENSIONS ARE FINISH DIMENSIONS.
2. ALL PARTS SHALL BE OF STRUCTURAL STEEL, GRADE 36.
3. FOR CLEANING AND PAINTING OF FRAME SEE DWG. 2215, GENERAL NOTE NO. 4.
4. FRAME MAY BE WELDED OR RIVETED.

CONSTRUCTION NOTES:

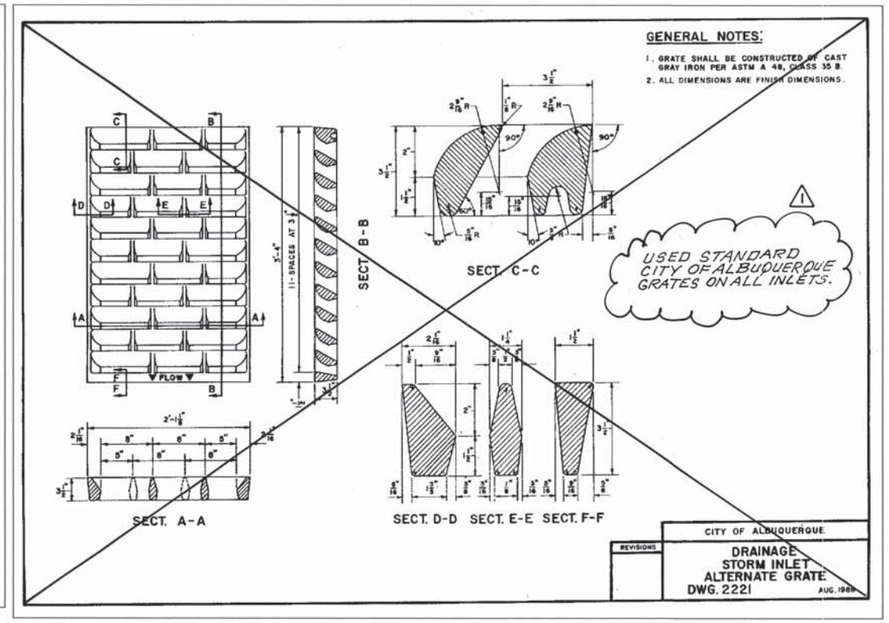
A. 4" x 3" x 1/2" x 3'-1/2" ∠.

B. 2-3/8" RIVETS AT EACH CORNER, SEE GENERAL NOTE NO. 5.

C. 4'-1/2" x 8" BOLTS WITH SQUARE HEAD & NUT AT EACH CORNER FOR ANCHORING FRAME INTO CONCRETE WALL.

D. 3-1/2" x 3" x 3/8" x 3'-4-3/8" ∠.

REVISIONS	CITY OF ALBUQUERQUE
	DRAINAGE STORM INLET FRAME DWG. 2216 AUG. 1986



GENERAL NOTES:

1. GRATE SHALL BE CONSTRUCTED OF CAST GRAY IRON PER ASTM A 48, CLASS 35 B.
2. ALL DIMENSIONS ARE FINISH DIMENSIONS.

REVISIONS	CITY OF ALBUQUERQUE
	DRAINAGE STORM INLET ALTERNATE GRATE DWG. 2221 AUG. 1988

AS BUILT INFORMATION

BENCH MARKS

CONTRACTOR A.S. HARPER

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet. ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

WORK STAKED BY SNYDER MILLER 3/09 DATE

INSPECTORS FINAL INSPECTION BY BCPWD 3/09 DATE

FIELD VERIFICATION BY BCPWD 3/09 DATE

AS-BUILTS CORRECTED BY P.B. 5/09 DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

ENGINEER'S SEAL

RECORD DRAWING

NO.	DATE	REMARKS	BY
1	05/09	DELETED DWG. 2221	VRV

DESIGN

DESIGNED BY	TWTK	08/01/07 DATE
DRAWN BY	TWTK	08/01/07 DATE
CHECKED BY	DOM	08/01/07 DATE

PB Parsons 100 YEARS Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
COA STANDARD DRAWINGS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	16-4

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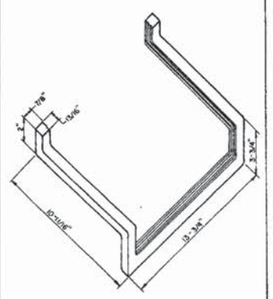
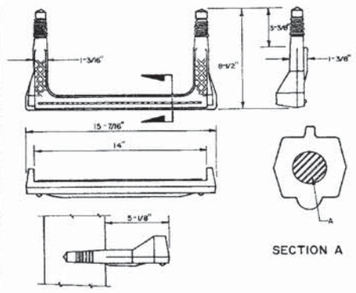


ALUMINUM STEP DETAIL



ALTERNATE STEP DETAIL

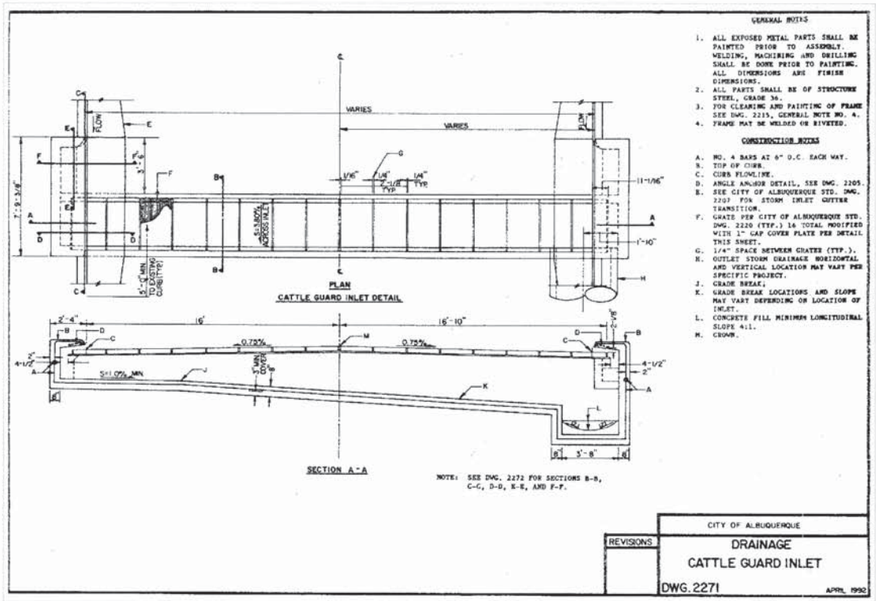
GENERAL NOTES:

1. ALUMINUM STEP, ALCOA NO 12653A OR APPROVED EQUAL.
2. ALTERNATE STEP SHALL BE POLYPROPYLENE - MOLDED OVER 1/2" STEEL REINFORCEMENT MODEL NO. PS-2-PFS, M.A. INDUSTRIES INC., OR APPROVED EQUAL.
3. STORM INLETS: INLETS GREATER THAN 4' DEEP SHALL HAVE STEPS INSTALLED IN DOWNSTREAM FACE OR INLET WALLS. STEPS SHALL PROTRUDE 7" FROM THE WALL AND BE CENTERED 12" FROM FACE OF CURB. STEPS SHALL BE 12" APART, WITH THE TOP STEP +/- 18" FROM TOP OF GRATE AND THE BOTTOM STEP NO MORE THAN 16" ABOVE THE CONCRETE FILL IN THE BOTTOM OF THE INLET.
4. DRAINAGE CHANNELS: CHANNELS SHALL HAVE STEPS FOR ACCESS AND RESCUE INSTALLED PER DETAILS ON DWG. 2261. STEPS SHALL BE INSTALLED on BOTH SIDES OF THE CHANNEL AND SHALL BE LOCATED IMMEDIATELY BEFORE THE INLET AND AFTER OUTLET TRANSITIONS FOR CROSSING STRUCTURES OR AS NOTES ON THE PLANS.

CONSTRUCTION NOTES:

A. 1/2" GRADE 60 STEEL REINFORCEMENT.

REVISIONS	CITY OF ALBUQUERQUE
8/20/92	DRAINAGE STEP DETAILS
	DWG. 2229 AUGUST 1986



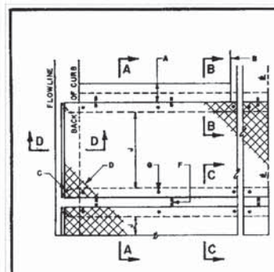
GENERAL NOTES

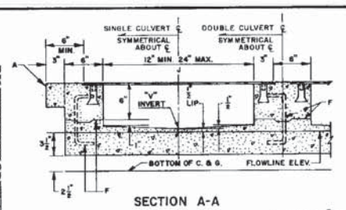
1. ALL EXPOSED METAL PARTS SHALL BE PAINTED PRIOR TO ASSEMBLY. WELDING, MACHINING AND DRILLING SHALL BE DONE PRIOR TO PAINTING. ALL DIMENSIONS ARE FINISH DIMENSIONS.
2. ALL PARTS SHALL BE OF STRUCTURE STEEL, GRADE 36.
3. FOR CLEANING AND PAINTING OF FRAME SEE DWG. 2215, GENERAL NOTE NO. 4.
4. FRAME MAY BE WELDED OR RIVETED.

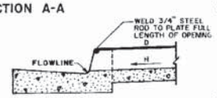
CONSTRUCTION NOTES

A. NO. 4 BARS AT 6" O.C. EACH WAY.
B. TOP OF CURB.
C. CURB FLOWLINE.
D. ANGLE AS/SEE DETAIL, SEE DWG. 2205.
E. SEE CITY OF ALBUQUERQUE STD. DWG. 2205 FOR STORM INLET GUTTER TRANSITION.
F. GRATE PER CITY OF ALBUQUERQUE STD. DWG. 2220 (TYP.) 16 TOTAL MODIFIED WITH 1" CAP COVER PLATE PER DETAIL THIS SHEET.
G. 1/4" SPACE BETWEEN GRATES (TYP.).
H. OUTLET STORM DRAINAGE HORIZONTAL AND VERTICAL LOCATION MAY VARY PER SPECIFIC PROJECT.
J. GRADE BREAK.
K. GRADE BREAK LOCATIONS AND SLOPE MAY VARY DEPENDING ON LOCATION OF INLET.
L. CONCRETE FILL MINIMUM LONGITUDINAL SLOPE 4.1%.
M. CROWN.

REVISIONS	CITY OF ALBUQUERQUE
	DRAINAGE CATTLE GUARD INLET
	DWG. 2271 APRIL 1992





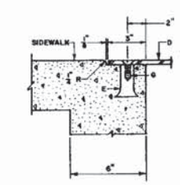


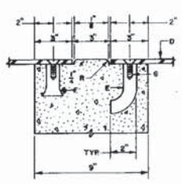
GENERAL NOTES:

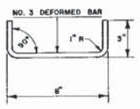
1. PLACING OF DRAIN THRU EXIST. SIDEWALK AND CURB & GUTTER REQUIRES THAT ENTIRE SIDEWALK AND C & G STONES BE REMOVED AND REPLACED AS DETAILED HEREIN.
2. BOTTOM SLAB OF CULVERT SHALL BE POURED MONOLITHICALLY WITH MEN GUTTER.
3. THE INVERT SHALL BE TROWELED TO PRODUCE A HARD POLISHED SURFACE OF MAX DENSITY AND SMOOTHNESS. INVERT SHALL BE V-SHAPED TO WITHIN 3" OF OUTLET, THEN WARPED TO PARALLEL FLOWLINE AT OUTLET, UNLESS OTHERWISE SHOWN.
4. ALL EXPOSED CONC. SURFACE SHALL MATCH GRADE, COLOR, FINISH AND SCORING OF ADJACENT CURB AND SIDEWALK.
5. SIDEWALK REPLACED DURING CONSTRUCTION SHALL BE POURED MONOLITHICALLY WITH CULVERT WALLS.
6. IF ROD ANCHORS ARE USED, DRILL & TAP FOR F.H. MACHINE SCREW. ATTACH ANCHORS TO PLATE AND SECURE PLATE IN PLACE PRIOR TO POURING OF WALLS.
7. LENGTH OF EACH PLATE SHALL BE SUCH THAT THE WEIGHT WILL NOT EXCEED 300 LBS. AND SHALL BE STRESS RELIEVED AFTER FABRICATION. CLEAN SURFACE OF PLATE AND FRAMING MEMBERS AND PAINT W/ ONE SHOP COAT RED OXIDE AND TWO FINISH COATS ALUMINUM PAINT (AASHTO M 69).
8. THE CITY WILL NOT ASSUME RESPONSIBILITY FOR MAINTENANCE OF ANY SIDEWALK CULVERT INSTALLED BY OR FOR PRIVATE PROPERTY OWNERS.

CONSTRUCTION NOTES:

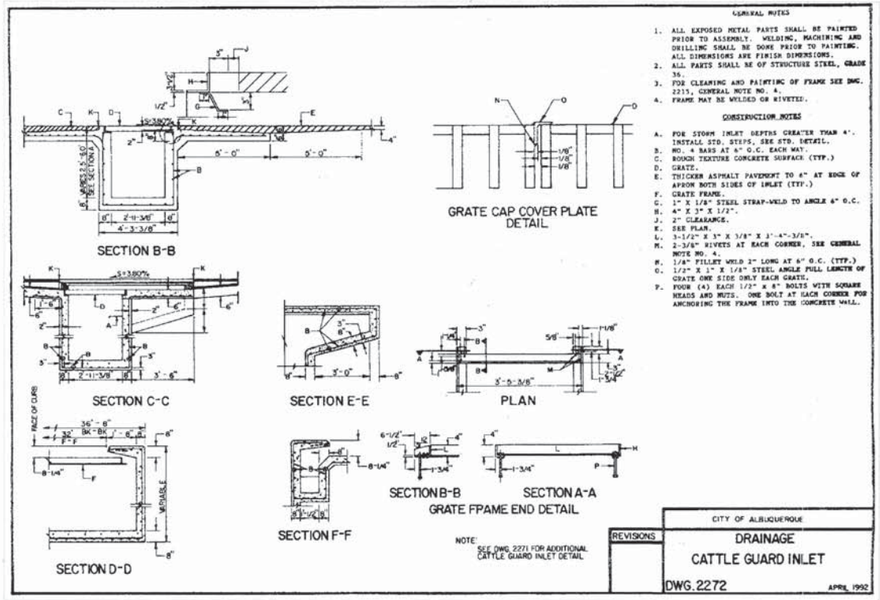
A. MATCH NEAREST CONTROL JOINT, INSTALL 1/2" EXPANSION JOINT.
B. EDGE OF SIDEWALK OR SETBACK (VARIABLE).
C. 3" RADIUS (TYPICAL).
D. 3/8" CHECKERED STEEL PLATE (PAINT PER NOTE 7, ABOVE).
E. FOR SECURING PLATE USE 1"X 5" S.S. ROD ANCHOR, "RED HEAD MULTI-SET II 5/8-30 ANCHOR" OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S INSTRUCTIONS AT MAX. 24" O.C., A MINIMUM OF 2 PER SIDE AND ONE WITHIN 6" OF EACH END.
F. CONSTRUCTION JOINT IS OPTIONAL. IF USED, SPACE DOWELS AT 18" O.C. MAX., 1 1/2" MINIMUM FROM FACE OF CONCRETE.
G. 3/8" - 16 x 1 1/4" COUNTERSUNK, F.H., STAINLESS STEEL, MACHINE SCREW.
H. SLOPE 1/4" PER FT. MIN.
J. DRAIN WIDTH PER PLAN (12" MIN., 24" MAX).







REVISIONS	CITY OF ALBUQUERQUE
	DRAINAGE SIDEWALK CULVERT WITH STEEL PLATE TOP
	DWG. 2236 AUG. 1986



GENERAL NOTES

1. ALL EXPOSED METAL PARTS SHALL BE PAINTED PRIOR TO ASSEMBLY. WELDING, MACHINING AND DRILLING SHALL BE DONE PRIOR TO PAINTING. ALL DIMENSIONS ARE FINISH DIMENSIONS.
2. ALL PARTS SHALL BE OF STRUCTURE STEEL, GRADE 36.
3. FOR CLEANING AND PAINTING OF FRAME SEE DWG. 2215, GENERAL NOTE NO. 4.
4. FRAME MAY BE WELDED OR RIVETED.

CONSTRUCTION NOTES

A. FOR STORM INLET DEPTHS GREATER THAN 4'. INSTALL STD. ST.ST.L. SEE STD. DETAIL.
B. NO. 4 BARS AT 6" O.C. EACH WAY.
C. BROOM TEXTURE CONCRETE SURFACE (TYP.)
D. GRATE.
E. THICKER ASPHALT PAVEMENT TO 6" AT EDGE OF APRON BOTH SIDES OF INLET (TYP.)
F. GRATE FRAME.
G. 1" X 1/8" STEEL STRAP-WELD TO ANGLE 6" O.C.
H. 4" X 3" X 1/2".
J. 2" CLEARANCE.
K. SEE PLAN.
L. 3-1/2" X 3" X 3/8" X 3'-4"-3/8".
M. 2-3/8" RIVETS AT EACH CORNER, SEE GENERAL NOTE NO. 4.
N. 1/8" FILLET WELD 2" LONG AT 6" O.C. (TYP.)
O. 1/2" X 1" X 1/8" STEEL ANGLE FULL LENGTH OF GRATE ONE SIDE ONLY EACH GRATE.
P. FOUR (4) EACH 1/2" X 8" BOLTS WITH SQUARE HEADS AND NUTS. ONE BOLT AT EACH CORNER FOR ANCHORING THE FRAME INTO THE CONCRETE WALL.

NOTE: SEE DWG. 2271 FOR ADDITIONAL CATTLE GUARD INLET DETAIL

REVISIONS	CITY OF ALBUQUERQUE
	DRAINAGE CATTLE GUARD INLET
	DWG. 2272 APRIL 1992

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
COA STANDARD DRAWINGS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	16-5

ENGINEER'S SEAL

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4884.00'

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY — DATE
INSPECTOR'S NAME — DATE
FIELD VERIFICATION BY — DATE
CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

NO.	DATE	REMARKS	BY

DESIGNED BY — DATE
DRAWN BY — DATE
CHECKED BY — DATE

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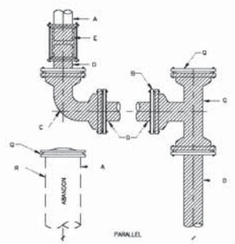
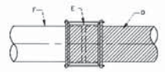
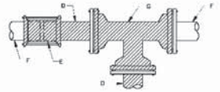


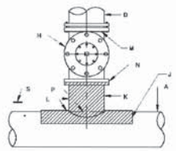
REPLACEMENT OF STEEL LINES 4"–12"
CONNECTION DETAILS



TRANSITION COUPLING
FROM D.I. OR P.V.C. TO A.C. PIPE



TEE INSERTION D.I., P.V.C. OR A.C. PIPE



CONNECTION TO EXISTING STEEL PIPE

GENERAL NOTES:

1 ALL NEW PIPE AND FITTINGS SHALL BE PROVIDED WITH THRUST CONTROL.

2 THRUST CONTROL SHALL BE BY RESTRAINED JOINTS ONLY UNLESS DIRECTED OTHERWISE BY ENGINEER.

CONSTRUCTION NOTES:

A EXISTING STEEL PIPE.

B REDUCE AT TEE, IF EXISTING LINE IS SMALLER THAN NEW LINE.

C M.J., C.I. ELBOW WITH JOINT RESTRAINT.

D NEW D.I. OR P.V.C., WITH VALVE AS DIRECTED.

E RESTRAINED TRANSITION COUPLING FOR A.C. RESTRAINED SOLID SLEEVE FOR D.I., C.I. AND PVC.

F EXISTING D.I., OR C.I. OR P.V.C. IF A.C., USE PAD ADAPTER.

G M.J. C.I. TEE WITH JOINT RESTRAINTS.

H GATE VALVE F.L.–M.J. WITH JOINT RESTRAINT.

J WELDING COLLAR.

K STEEL WELDING NECK F.L.

L TAR COAT COLLAR, NECK AND DAMAGED PIPE COATING.

M M.J. FLANGE.

N FLANGE.

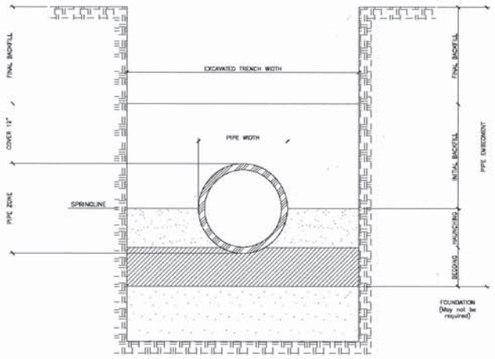
P PRESSURIZED CONNECTION.

Q M.J., C.I. PLUG OR CAP WITH JOINT RESTRAINT.

R REMOVE AT LEAST 10' OF PIPE TO BE ABANDONED AND CAP OR PLUG.

S TAC–WELD SACRIFICIAL ANODE TO STEEL PIPE.

REVISIONS	CITY OF ALBUQUERQUE WATER WATERLINE CONNECTION DETAILS DWG. 2301 JANUARY 2003



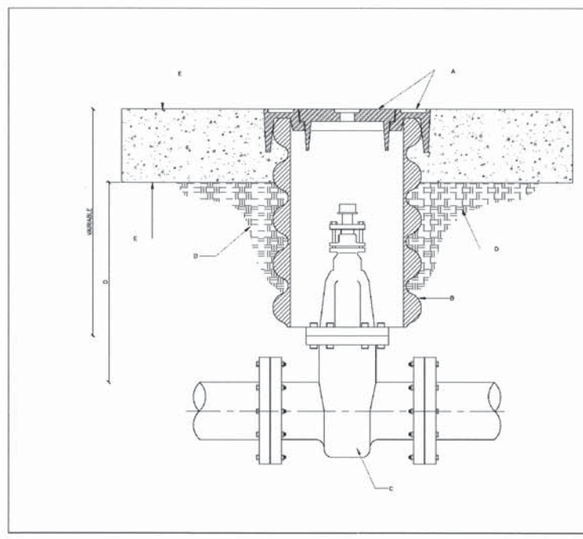
TRENCH CROSS–SECTION
SHOWING TERMINOLOGY

GENERAL NOTES:

1 MECHANICAL TAMPERS SHALL NOT BE USED IN THE HAUNCH (BOOTH) REGION FOR FLEXIBLE PIPE. WHEN FLEXIBLE PIPE IS USED, CONTRACTOR SHALL PRIOR TO THE START OF CONSTRUCTION, PROVIDE THE PROPOSED COMPACTION METHOD IN THE INITIAL BACKFILL REGION TO THE CITY FOR APPROVAL.

2 MINIMUM CLASS "C" BEDDING WILL BE USED.

REVISIONS	CITY OF ALBUQUERQUE WATER PIPE TRENCH TERMINOLOGY DWG. 2315 JANUARY 2003



LABEL REQUIREMENTS

GENERAL NOTES:

A VALVE BOX RING AND COVER PER C.O.A. STD. DWG. 2320.

B 10" DIA. CORRUGATED HDPE

C NEW OR EXISTING VALVE.

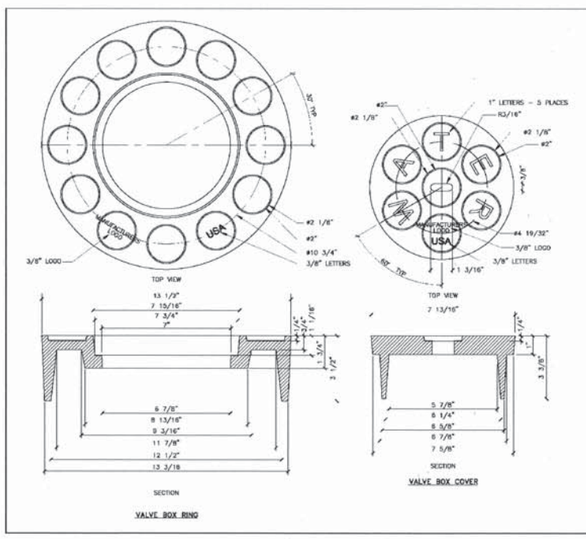
D COMPACTED BACKFILL, SOIL OR BASE COURSE MATERIAL (95% COMPACTION). SEE SECTION 701.

E CONCRETE COLLAR PER C.O.A. STD. DWG. 2481.

F TOP OF CONCRETE COLLAR SHALL BE STAMPED WITH LINE SIZE AND DIRECTION. MINIMUM LETTER SIZE SHALL BE 3" IN HEIGHT.

G MIN. 8" OR MATCH EXISTING.

REVISIONS	CITY OF ALBUQUERQUE WATER VALVE BOX DWG. 2326 JANUARY 2003



VALVE BOX RING

VALVE BOX COVER

GENERAL NOTES – RING

1 ALBUQUERQUE VALVE BOX RING DESIGNED TO ACCEPT AN ALBUQUERQUE VALVE BOX COVER.

2 THE CASTING NUMBER, MANUFACTURER'S LOGO, DATE OF MANUFACTURE AND "USA" SHALL BE CAST IN A CONSPICUOUS LOCATION ON BOTH THE RING AND THE COVER.

3 FILLETS SHALL BE 1/4"R UNLESS OTHERWISE SPECIFIED.

4 A DRAFT ANGLE OF 3°–5° SHALL BE APPLIED UNLESS OTHERWISE SPECIFIED.

5 FINISH: REMOVE EXCESS IRON AND FINS.

6 THIS DETAIL DOES NOT APPLY FOR VALVE BOX RING AND COVER TO BE USED ON REUSE OR NON–POTABLE WATER SYSTEMS.

GENERAL NOTES – COVER

1 ALBUQUERQUE VALVE BOX COVER DESIGNED TO FIT INTO AN ALBUQUERQUE VALVE BOX RING.

2 THE CASTING NUMBER, MANUFACTURER'S LOGO, DATE OF MANUFACTURE AND "USA" SHALL BE CAST IN A CONSPICUOUS LOCATION ON BOTH THE RING AND THE COVER.

3 FILLETS SHALL BE 1/4"R UNLESS OTHERWISE SPECIFIED.

4 A DRAFT ANGLE OF 3°–5° SHALL BE APPLIED UNLESS OTHERWISE SPECIFIED.

5 FINISH: REMOVE EXCESS IRON AND FINS.

REVISIONS	CITY OF ALBUQUERQUE WATER RING AND COVER FOR VALVE BOX DWG. 2328 JANUARY 2003

ENGINEER'S SEAL

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", epoxied to top of concrete drop inlet. ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION

CONTRACTOR

WORK BY	DATE
INSPECTOR'S CHANGE BY	DATE
FIELD VERIFICATION BY	DATE
AS BUILT CORRECTED BY	DATE

MICRO–FILM INFORMATION

RECORDED BY DATE

NO.

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY	TWTK
		DRAWN BY	TWTK
		CHECKED BY	DCM

DATE
08/01/07
08/01/07
08/01/07

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
C.O.A. STANDARD DRAWINGS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No. 785181 | Zone Map No. F–15, G–15 | Sheet 16–6

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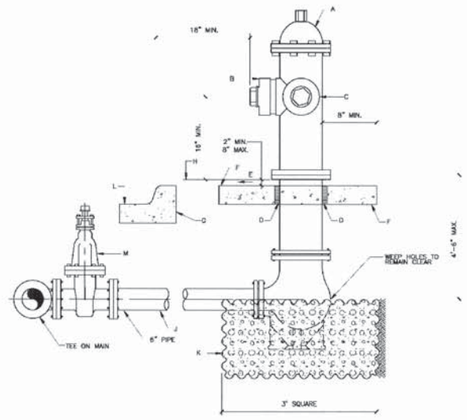


GENERAL NOTES:

1 NO OBSTRUCTIONS WILL BE PERMITTED WITHIN 3'-0" OF FIRE HYDRANT.

2 HYDRANT LEG SHALL BE VALVED FROM MAINS 10" DIAMETER AND LARGER AND IN ARTERIAL STREETS LOCATED IN COMMERCIAL AREAS.

3 CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING TOP FLANGE OF FIRE HYDRANT TO THE CONTROLLED ELEVATION LINE.

4 FOR FIRE HYDRANT LOCATIONS, SEE DWG. 2347.

5 WHEN NEW OR EXISTING SIDEWALK ABUTS CURB, RECONSTRUCT SIDEWALK PER DWG. 2430, 2431.

6 PUMPER NOZZLE TO BE SET FACING THE TRAVELED WAY, UNLESS OTHERWISE NOTED ON PLANS.

7 HYDRANTS INSTALLED IN SIDEWALK AREAS SHALL MAINTAIN A MIN. 36-INCH CLEAR PEDESTRIAN PATH PER ADA STANDARD.

CONSTRUCTION NOTES:

A FIRE HYDRANT PER SPECIFICATIONS.

B PUMPER NOZZLE 4 1/2".

C HOSE NOZZLE 2 1/2".

D 1/2" EXPANSION JOINT MATERIAL.

E MATCH SIDEWALK SLOPE OR SLOPE 1/4" PER FOOT.

F 3'x3'x6" CONCRETE SQUARE PAD, TO BE CONSTRUCTED AROUND FIRE HYDRANT'S CENTER LINE WHEN NOT LOCATED WITHIN SIDEWALK OR CONCRETE AREA. CONCRETE PER SEC. 101 EXTERIOR CONCRETE, f'c=3500 psi @ 28 DAYS.

G BACK OF CURB.

H CONTROLLED ELEVATION LINE, LEVEL IN ALL DIRECTIONS.

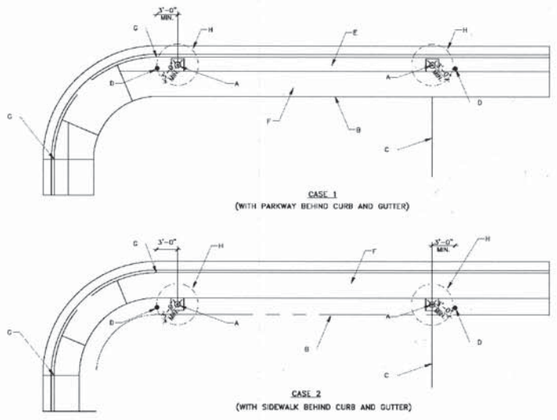
J USE OF RESTRAINED JOINTS IS MANDATORY. ALL FIRE HYDRANT LEG PIPING AND FITTINGS INCLUDING TEE ON MAIN SHALL BE RESTRAINED JOINT.

K GRAVEL DRAIN POCKET, COVER TOP SURFACE WITH TAR PAPER. ASTM C33, NO. 57 GRAVEL.

L STANDARD CURB AND GUTTER. FOR OTHER TYPES OF CURB AND GUTTER, OR WHERE NO CURB AND GUTTER EXIST, THE PLACEMENT OF FIRE HYDRANT REQUIRES SPECIAL DESIGN.

M IF VALVE IS REQUIRED, VALVE WILL BE CONNECTED TO TEE AT MAIN PER C.O.A. STANDARDS.

REVISIONS	CITY OF ALBUQUERQUE
	WATER FIRE HYDRANT INSTALLATION DWG. 2340 JANUARY 2003



GENERAL NOTES:

1 FIRE HYDRANTS ARE NOT TO BE LOCATED WITHIN THE CURB RETURN AREA. FIRE HYDRANTS LOCATED IN THE MID BLOCK LENGTH SHALL BE CENTERED ON ADJOINING PROPERTY LINES.

2 A MINIMUM CLEARANCE OF 3' SHALL BE PROVIDED BETWEEN FIRE HYDRANT AND ANY PERMANENT OBSTRUCTION (UTILITY POLE, LIGHT STANDARD, TRAFFIC SIGNAL, ETC.).

3 FOR FIRE HYDRANT INSTALLATION DETAILS SEE DWG. 2340.

CONSTRUCTION NOTES:

A FIRE HYDRANT

B RIGHT-OF-WAY OR EASEMENT LINE

C PROPERTY LINE

D PERMANENT OBSTRUCTION

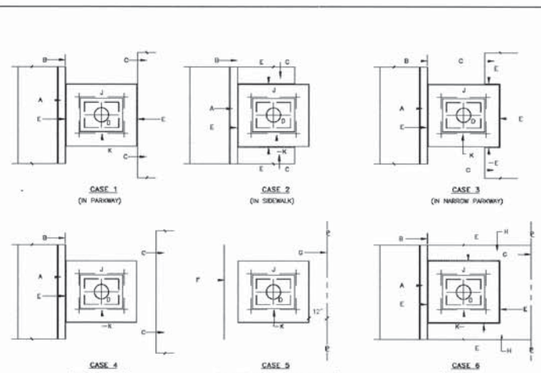
E PARKWAY

F SIDEWALK

G PC OR PT OF CURB RETURN

H MAINTAIN A MINIMUM CLEARANCE OF 3' RADIUS FROM CENTER OF HYDRANT TO ANY AND ALL OBSTRUCTIONS.

REVISIONS	CITY OF ALBUQUERQUE
	WATER DETAILS ON TYPICAL FIRE HYDRANT LOCATIONS DWG. 2347 JANUARY 2003



TYPICAL INSTALLATIONS 3/4" - 1" METERS

GENERAL NOTES:

1 FOR CONSTRUCTION AND DIMENSIONS OF WATER METER BOX AND CONCRETE PAD, SEE DWG. 2362, 2363, 2368 & 2369.

2 BECAUSE OF LIMITED SPACE, METER BOXES MAY BE ROTATED 90°. CONNECTIONS TO BE MADE PER WATER SYSTEM'S DIVISION APPROVAL.

3 DOUBLE METER BOXES SHALL BE CENTERED ON ADJOINING PROPERTY LINES.

CONSTRUCTION NOTES:

A CURB.

B BACK OF CURB.

C SIDEWALK.

D METER BOX COVER, SEE DWGS. 2368 OR 2369.

E 1/2" EXPANSION JOINT.

F EDGE OF UNCURBED STREET OR GRADED STREET.

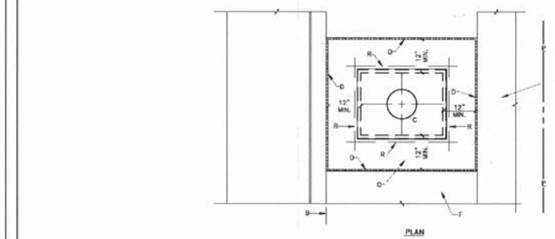
G PROPERTY LINE.

H DRIVEPAD.

J CONCRETE PAD SEE DWG. 2362

K #4 REBAR CONTINUOUS ALL AROUND METER BOX.

REVISIONS	CITY OF ALBUQUERQUE
	WATER TYPICAL METER BOX INSTALLATIONS DWG. 2361 JANUARY 2003



GENERAL NOTES:

1 THE METER SHALL BE SET UTILIZING A COPPER-SETTER. COPPER-SETTER HEIGHT 10" FOR 1" METER, 7" FOR 3/4" METER.

2 THE VALVE AND METER REGISTER BOX SHALL BE LOCATED UNDER THE LID OPENING. WHERE TWO METERS ARE TO BE INSTALLED IN A SINGLE METER BOX, THE METER REGISTERS SHALL BE WITHIN READING RANGE OF THE LID OPENING.

3 METER BOX LOCATION TO CONFORM TO DWG. 2361.

4 WHEN CONTRACTOR DOES NOT INSTALL METER, CONTRACTOR SHALL PROVIDE REMOVABLE PLUGS FOR END OF COPPER-SETTER.

5 EXISTING CONCRETE TO BE SAWCUT.

CONSTRUCTION NOTES:

A STREET SURFACE.

B BACK OF CURB.

C CAST IRON METER BOX, COVER AND LID. SEE DWG. 2368 OR 2369.

D 1/2" EXPANSION JOINT.

E CURB STOP, LOCATE INSIDE METER BOX.

F SIDEWALK OR DRIVEPAD.

G METER. TOP OF METER TO BE 12"-18" BELOW COVER.

H CORP STOP.

J MAIN WATER LINE.

K TAPPING SADDLE.

L COPPER SERVICE LINE.

M COPPER SETTER.

N TAILPIECE TO PROPERTY LINE WITH INSTA-TEE U.P.C. CAPPED FITTING. DOUBLE CHECK VALVE SHALL BE INSTALLED IN WATER ZONES 0W, 1W, & 1E.

Q CONCRETE PAD REQUIRED IN ALL AREAS PER SEC. 101 EXTERIOR CONCRETE, f'c=3500 psi @ 28 DAYS.

R #4 REBAR CONTINUOUS ALL AROUND METER BOX.

S STABILIZER BAR. USE FOR SINGLE METER ONLY. 12" LONG x 1/2" DIA. GALV. STEEL PIPE.

T METER BOX LID SHALL BE FLUSH WITH SURROUNDING SIDEWALK.

REVISIONS	CITY OF ALBUQUERQUE
	WATER 3/4" - 1" METERED SERVICE LINE INSTALLATION DWG. 2362 JANUARY 2003

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
INSPECTOR'S NAME/ADDRESS BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY	TWTK 08/01/07
		DRAWN BY	TWTK 08/01/07
		CHECKED BY	DOM 08/01/07

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
C.O.A. STANDARD DRAWINGS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No. 785181 | Zone Map No. F-15, G-15 | Sheet 16-7

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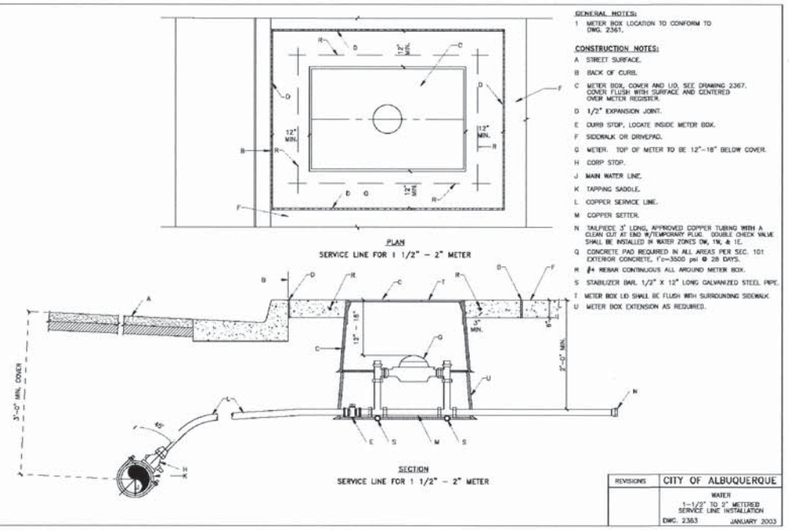

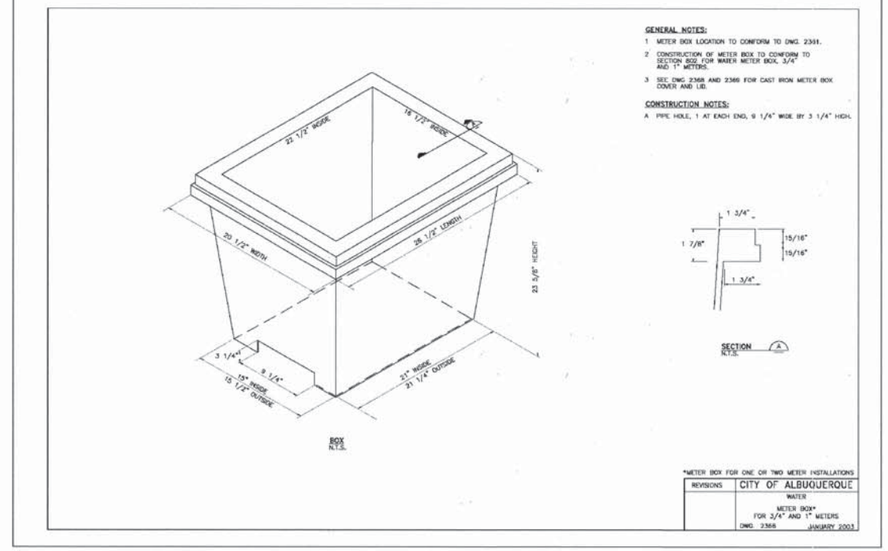

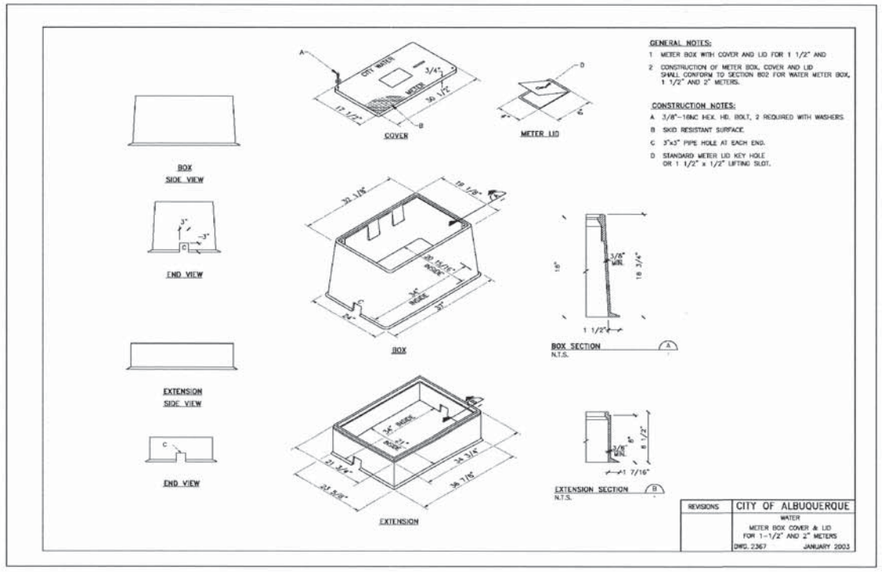

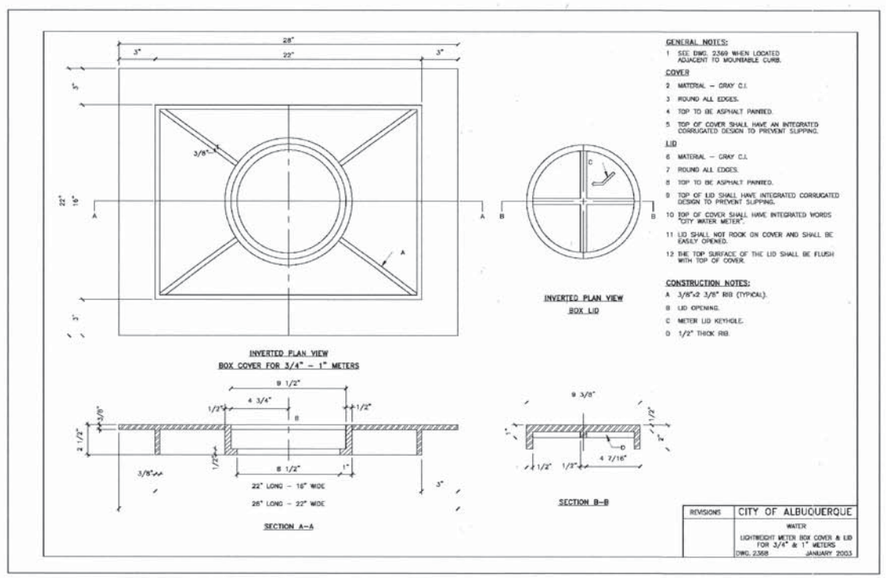

AS BUILT INFORMATION

CONTRACTOR

	DATE
WORK DIRECTED BY	
INSPECTOR'S ATTENDANCE BY	DATE
FIELD VERIFICATION BY	DATE
AS BUILTS CORRECTED BY	DATE

MICRO–FILM INFORMATION

	DATE
RECORDED BY	
NO.	

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9–F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	TWTK	08/01/07
DRAWN BY	TWTK	08/01/07
CHECKED BY	DCM	08/01/07

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
C.O.A. STANDARD DRAWINGS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
785181	F–15, G–15	16–8

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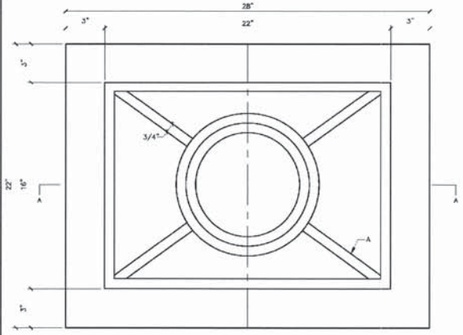
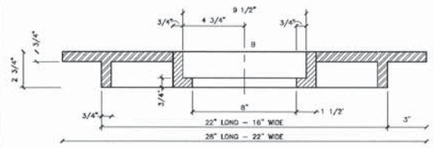
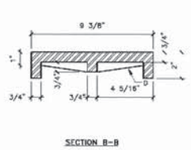


INVERTED PLAN VIEW
BOX COVER FOR 3/4" - 1" METERS

INVERTED PLAN VIEW
BOX LID



SECTION A-A



SECTION B-B

GENERAL NOTES:

1 TO BE USED WHERE THE ADJACENT STREET HAS MOUNTABLE CURBS, OR IN DRIVEWAYS.

COVER

2 MATERIAL - GRAY C.I.

3 ROUND ALL EDGES.

4 TOP TO BE ASPHALT PAINTED.

5 TOP OF COVER SHALL HAVE AN INTEGRATED CORRUGATED DESIGN TO PREVENT SLIPPING.

6 COMPONENT THICKNESS 3/4".

LID

7 MATERIAL - GRAY C.I.

8 ROUND ALL EDGES.

9 TOP TO BE ASPHALT PAINTED.

10 TOP OF LID SHALL HAVE INTEGRATED CORRUGATED DESIGN TO PREVENT SLIPPING.

11 TOP OF COVER SHALL HAVE INTEGRATED WORDS "CITY WATER METER".

12 LID SHALL NOT ROCK ON COVER AND SHALL BE EASILY OPENED.

13 THE TOP SURFACE OF THE LID SHALL BE FLUSH WITH TOP OF COVER.

CONSTRUCTION NOTES:

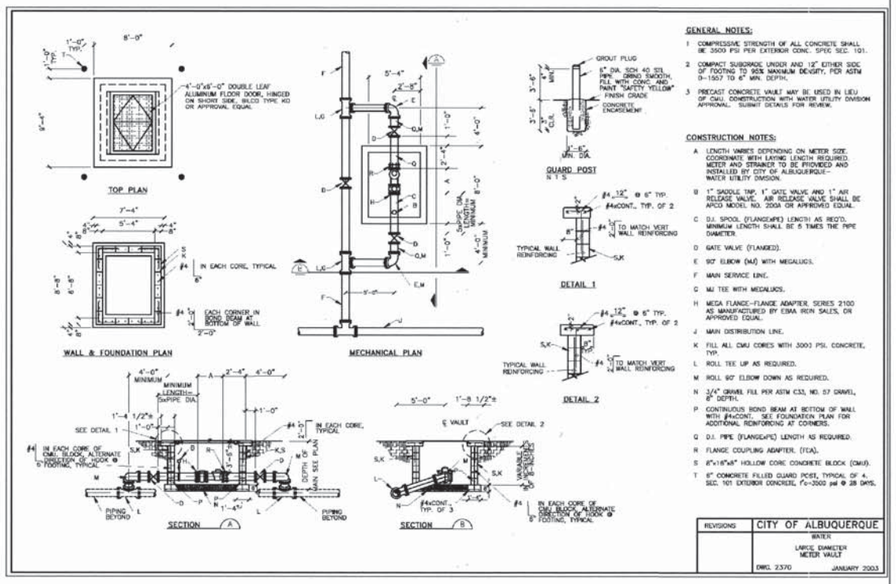
A 3/4"x2" RIB (TYPICAL).

B LID OPENING.

C METER LID KEYHOLE.

D 3/4" THICK RIB.

REVISIONS	CITY OF ALBUQUERQUE
	WATER
	HEAVYWEIGHT METER BOX COVER & LID FOR 3/4" & 1" METERS
	DWG. 2369 JANUARY 2003



GENERAL NOTES:

1 COMPRESSIVE STRENGTH OF ALL CONCRETE SHALL BE 3000 PSI PER EXTERIOR CONC. SPEC SEC. 191.

2 COMPACT SUBGRADE UNDER AND 12" EITHER SIDE OF FOOTING TO 95% MAXIMUM DENSITY, PER ASTM D-1557 TO 6" MIN. DEPTH.

3 PRECAST CONCRETE VAULT MAY BE USED IN LIEU OF CMU. CONSTRUCTION WITH WATER UTILITY DIVISION APPROVAL. SUBMIT DETAILS FOR REVIEW.

CONSTRUCTION NOTES:

A LENGTH VARIES DEPENDING ON METER SIZE. COORDINATE WITH LAYING LENGTH REQUIRED. METER AND STRAINER TO BE PROVIDED AND INSTALLED BY CITY OF ALBUQUERQUE - WATER UTILITY DIVISION.

B 1" SADDLE TAP, 1" GATE VALVE AND 1" AIR RELEASE VALVE. AIR RELEASE VALVE SHALL BE APCO MODEL NO. 200A OR APPROVED EQUAL.

C D.I. SPOOL (FLANGE/PE) LENGTH AS REQ'D. MINIMUM LENGTH SHALL BE 5 TIMES THE PIPE DIAMETER.

D GATE VALVE (FLANGED).

E 90° ELBOW (MJ) WITH MEGALUGS.

F MAIN SERVICE LINE.

G MJ TEE WITH MEGALUGS.

H MEGA FLANGE-FLANGE ADAPTER, SERIES 2100 AS MANUFACTURED BY EBAA IRON SALES, OR APPROVED EQUAL.

J MAIN DISTRIBUTION LINE.

K FILL ALL CMU CORES WITH 3000 PSI. CONCRETE, TYP.

L ROLL TEE UP AS REQUIRED.

M ROLL 90° ELBOW DOWN AS REQUIRED.

N 3/4" GRAVEL FILL PER ASTM C33, NO. 57 GRAVEL, 6" DEPTH.

P CONTINUOUS BOND BEAM AT BOTTOM OF WALL WITH #4+CONT. SEE FOUNDATION PLAN FOR ADDITIONAL REINFORCING AT CORNERS.

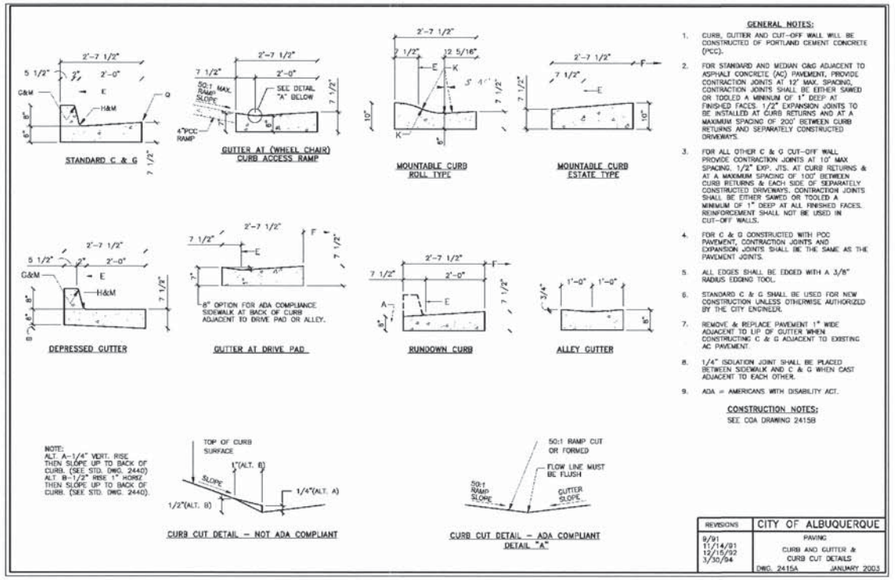
Q D.I. PIPE (FLANGE/PE) LENGTH AS REQUIRED.

R FLANGE COUPLING ADAPTER, (FCA).

S 8"x16"x8" HOLLOW CORE CONCRETE BLOCK (CMU).

T 6" CONCRETE FILLED GUARD POST, TYPICAL OF 4. SEE 101 EXTERIOR CONCRETE, f'c=3000 psi @ 28 DAYS.

REVISIONS	CITY OF ALBUQUERQUE
	WATER
	LARGE DIAMETER METER VAULT
	DWG. 2370 JANUARY 2003

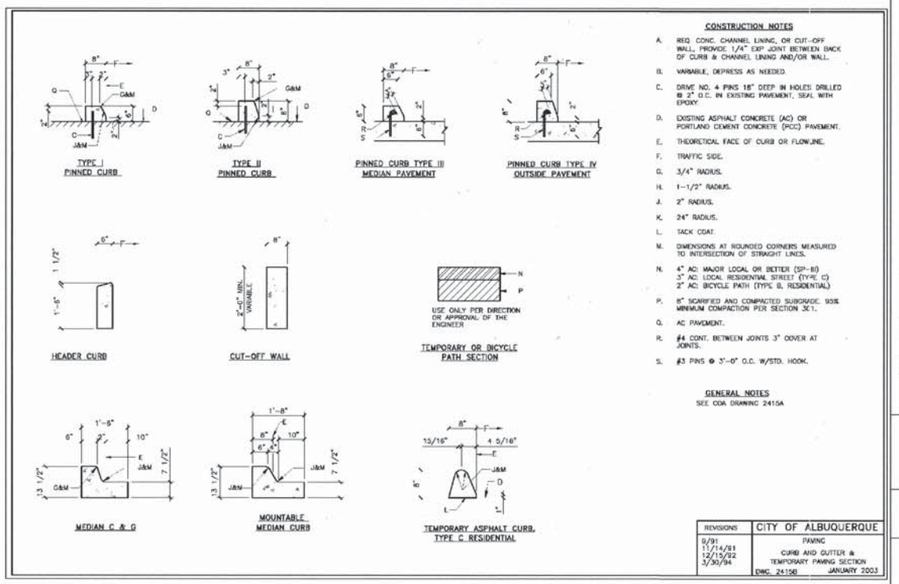


GENERAL NOTES:

1. CURB, GUTTER AND CUT-OFF WALL WILL BE CONSTRUCTED OF PORTLAND CEMENT CONCRETE (PCC).
2. FOR STANDARD AND MEDIAN C&G ADJACENT TO ASPHALT CONCRETE (AC) PAVEMENT, PROVIDE CONTRACTION JOINTS AT 12' MAX. SPACING. CONTRACTION JOINTS SHALL BE EITHER SAWED OR TOOLED A MINIMUM OF 1" DEEP AT FINISHED FACES. 1/2" EXPANSION JOINTS TO BE INSTALLED AT CURB RETURNS AND AT A MAXIMUM SPACING OF 200' BETWEEN CURB RETURNS AND SEPARATELY CONSTRUCTED DRIVEWAYS.
3. FOR ALL OTHER C & G CUT-OFF WALL, PROVIDE CONTRACTION JOINTS AT 10' MAX SPACING. 1/2" EXP. JTS. AT CURB RETURNS & AT A MAXIMUM SPACING OF 100' BETWEEN CURB RETURNS & EACH SIDE OF SEPARATELY CONSTRUCTED DRIVEWAYS. CONTRACTION JOINTS SHALL BE EITHER SAWED OR TOOLED A MINIMUM OF 1" DEEP AT ALL FINISHED FACES. REINFORCEMENT SHALL NOT BE USED IN CUT-OFF WALLS.
4. FOR C & G CONSTRUCTED WITH POC PAVEMENT, CONTRACTION JOINTS AND EXPANSION JOINTS SHALL BE THE SAME AS THE PAVEMENT JOINTS.
5. ALL EDGES SHALL BE EDGED WITH A 3/8" RADIUS EDGING TOOL.
6. STANDARD C & G SHALL BE USED FOR NEW CONSTRUCTION UNLESS OTHERWISE AUTHORIZED BY THE CITY ENGINEER.
7. REMOVE & REPLACE PAVEMENT 1' WIDE ADJACENT TO LIP OF GUTTER WHEN CONSTRUCTING C & G ADJACENT TO EXISTING AC PAVEMENT.
8. 1/4" ISOLATION JOINT SHALL BE PLACED BETWEEN SIDEWALK AND C & G WHEN CAST ADJACENT TO EACH OTHER.
9. ADA = AMERICANS WITH DISABILITY ACT.

CONSTRUCTION NOTES:
SEE COA DRAWING 2415B

REVISIONS	CITY OF ALBUQUERQUE
8/91 11/14/91 12/15/92 3/30/94	PAVING
	CURB AND GUTTER & CURB CUT DETAILS
	DWG. 2415A JANUARY 2003



CONSTRUCTION NOTES

A. REQ CONC. CHANNEL LINING, OR CUT-OFF WALL, PROVIDE 1/4" EXP. JOINT BETWEEN BACK OF CURB & CHANNEL LINING AND/OR WALL.

B. VARIABLE, DEPRESS AS NEEDED.

C. DRIVE NO. 4 PINS 18" DEEP IN HOLES DRILLED @ 2' O.C. IN EXISTING PAVEMENT, SEAL WITH EPOXY

D. EXISTING ASPHALT CONCRETE (AC) OR PORTLAND CEMENT CONCRETE (PCC) PAVEMENT.

E. THEORETICAL FACE OF CURB OR FLOWLINE.

F. TRAFFIC SIDE.

G. 3/4" RADIUS.

H. 1-1/2" RADIUS.

J. 2" RADIUS.

K. 24" RADIUS.

L. TACK COAT

M. DIMENSIONS AT ROUNDED CORNERS MEASURED TO INTERSECTION OF STRAIGHT LINES.

N. 4" AC: MAJOR LOCAL OR BETTER (SP-B)
3" AC: LOCAL RESIDENTIAL STREET (TYPE C)
2" AC: BICYCLE PATH (TYPE B, RESIDENTIAL)

P. 8" SCARIFIED AND COMPACTED SUBGRADE. 95% MINIMUM COMPACTION PER SECTION 301.

Q. AC PAVEMENT.

R. #4 CONT. BETWEEN JOINTS 3" OOVER AT JOINTS.

S. #3 PINS @ 3'-0" O.C. W/STD. HOOK.

GENERAL NOTES
SEE COA DRAWING 2415A

REVISIONS	CITY OF ALBUQUERQUE
8/91 11/14/91 12/15/92 3/30/94	PAVING
	CURB AND GUTTER & TEMPORARY PAVING SECTION
	DWG. 2415B JANUARY 2003

SURVEY INFORMATION — BENCH MARKS — AS BUILT INFORMATION

FIELD NOTES

NO.	BY	DATE

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

CONTRACTOR
WORK STARTED BY — DATE
INSPECTOR'S NOTES
FIELD CHANGE BY — DATE
VERIFICATION BY
NOTES CHANGE — DATE
CORRECTED BY

MICRO-FILM INFORMATION

RECORDED BY — DATE

NO.	

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

DESIGNED BY — DATE
DRAWN BY — DATE
CHECKED BY — DATE

RECORD DRAWING

PB Parsons BRINCKERHOFF

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
COA STANDARD DRAWINGS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	16-9

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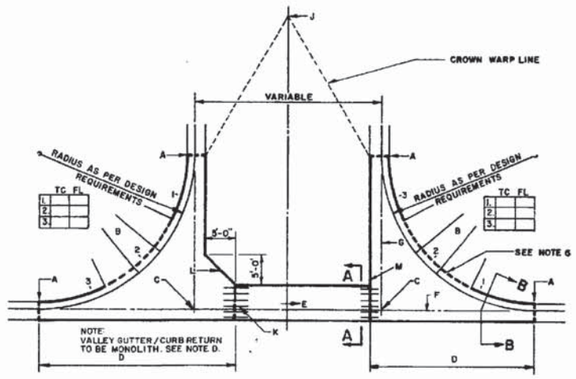
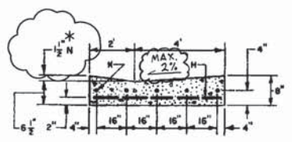
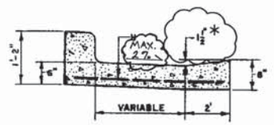


PLAN



SECTION A-A



SECTION B-B

GENERAL NOTES

1. DESIGN ELEVATIONS TO BE GIVEN AT EACH END OF THE CURB RETURN (TOP OF CURB ELEV.) AND AT INTERSECTIONS OF PROJECTED FLOWLINES (FLOWLINE ELEV.).
2. ON UPSTREAM AND DOWNSTREAM ENDS OF THE INTERSECTION, VALLEY GUTTER CONSTRUCTION SHALL EXTEND TO THE END OF RETURNS.
3. THE VALLEY GUTTER TO BE REINFORCED WITH 6" X 6" X NO. 6 GA. WIRE MESH.
4. INVERT OF VALLEY GUTTER TO EXTEND FROM FLOWLINE OF UPSTREAM CURB RETURN TO FLOWLINE OF DOWNSTREAM CURB RETURN.
5. CURB FLOWLINE AND TOP OF CURB ELEV. SHOWN IN THE BOX CORRESPOND TO QUARTERPOINTS INDICATED ON THE CURB RETURN IN THE CLOCKWISE DIRECTION.
6. – – – – – DENOTES 1/2" EXPANSION JOINT.
7. FOR NEW CONSTRUCTION, VALLEY GUTTER SHALL BE CONSTRUCTED PRIOR TO ADJACENT PAVEMENT. ASPHALT CONCRETE SHALL BE INSTALLED MONOLITHICALLY TO MEET NEW VALLEY GUTTER.
8. PRIOR TO CONSTRUCTION OF NEW VALLEY GUTTER ON EXISTING ACCEPTED STREETS, PAVEMENT SHALL BE REMOVED AS SHOWN ON PLANS.

CONSTRUCTION NOTES

A. END OF CURB RETURN, SEE NOTE 1.
B. FOR RAMP DETAILS, SEE DWGS. 2418, 2440, 2441.
C. INTERSECTION OF FLOWLINES, SEE NOTE 1.
D. VALLEY GUTTER (CURB RETURN FILLET)
E. DIRECTION OF FLOW.
F. FLOWLINE.
G. PROJECTED FLOWLINE OF 1-1/2" INVERT, SEE NOTE 2.
H. 6" X 6" X NO. 6 GA. WIRE MESH.
J. BEGIN CROWN WARP TO NO CROWN SECTION AS PER DWGS. 2401 OR AS SPECIFIED ON PLANS, OR INDICATED BY THE ENGINEER.
K. NO. 4 BARS 3'-0" LONG AT 16" O.C.
L. ALTERNATE A, WITH FILLET AS PER PLANS.
M. ALTERNATE B, NO FILLET AS PER PLANS.
N. THE 1-1/2" INVERT DEPTH MAY BE REDUCED TO IMPROVE RIDEABILITY WITH APPROVAL OF ENGINEER. *

REVISIONS
1/91
11/4/91
3/30/94

CITY OF ALBUQUERQUE
PAVING
CONCRETE VALLEY GUTTER
DWG. 2420 MODIFIED AUG. 1986

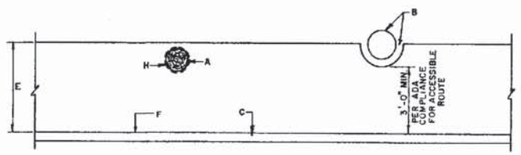
* NOTE: USE 1" INVERT DEPTH ON STREET SIDE ONLY FOR ADA RIDEABILITY. FOR CONCRETE FILLETS (NO VALLEY GUTTER), BUILD WITHOUT INVERTS.

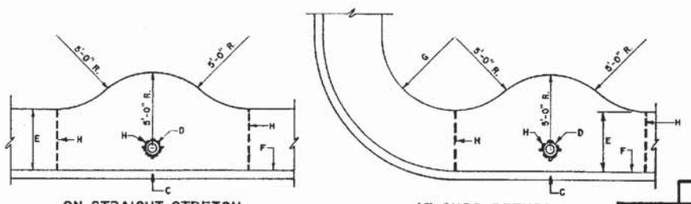
GENERAL NOTES:

1. FOR SIDEWALK CONSTRUCTION DETAILS, SEE DWG. 2430.
2. USE WHERE AVAILABLE R/W EXIST., TO BE DETERMINED BY THE ENGINEER.
3. PROVIDE ½" PREFORMED EXPANSION JOINT MATERIAL AROUND ALL POWER POLES AND FIRE HYDRANTS WITHIN THE SIDEWALK AREA.

CONSTRUCTION NOTES:

A. POWER POLE.
B. LEAVE 6" CLEARANCE ALL AROUND TREE TRUNK.
C. TOP OF CURB.
D. FIRE HYDRANT.
E. SIDEWALK.
F. BACK OF CURB.
G. EXTERIOR EDGE OF SIDEWALK TO BE TANGENT TO ARCS.
H. ½" EXPANSION JOINT MATERIAL.





ON STRAIGHT STRETCH — AT CURB RETURN

4'-0" SIDEWALK ENCLOSING A FIRE HYDRANT

REVISIONS
11/14/91
4/12/94

CITY OF ALBUQUERQUE
PAVING
SIDEWALK OBSTRUCTIONS
DWG. 2431 AUG. 1986

AS BUILT INFORMATION

CONTRACTOR
WORK STARTED BY — DATE
INSPECTION CHANGES BY — DATE
FIELD VERIFICATION BY — DATE
CORRECTED BY — DATE

MICRO-FILM INFORMATION

RECORDED BY — DATE
NO.

BENCH MARKS

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NGVD 29 Elev. = 4984.00'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

DESIGN
DESIGNED BY — DATE
DRAWN BY — DATE
CHECKED BY — DATE

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

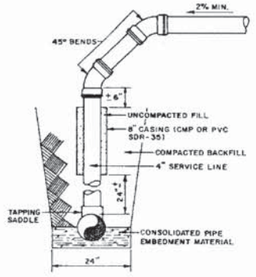
EDITH BLVD. RECONSTRUCTION
COA STANDARD DRAWINGS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

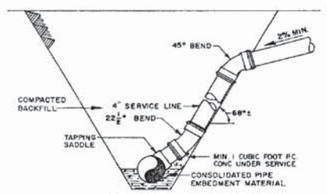
City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	16-10

GENERAL NOTES

1. THESE DETAILS REFER ONLY TO INSTALLATIONS ON FLEXIBLE PIPE MAINS. REFER TO OTHER APPROPRIATE STANDARDS FOR RIGID PIPE MAINS.
2. DETAIL "A" SHALL BE USED WHEN A TRENCH BOX, SHORING OR OTHER MEANS OF EXCAVATION BRACING IS USED, OTHERWISE IT SHALL BE THE CONTRACTOR'S OPTION TO USE EITHER DETAIL "A" OR DETAIL "B".
3. REFER TO SPECIFICATION SECTION 905 FOR MATERIAL REQUIREMENTS.
4. TRENCH SLOPES SHALL BE AS PER THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS.

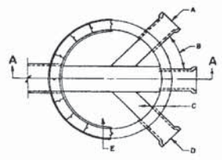


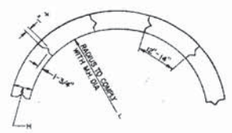
DETAIL "A"



DETAIL "B"

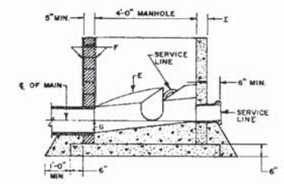
REVISIONS	CITY OF ALBUQUERQUE
11-14-91	SEWER RISER DETAILS FLEXIBLE PIPE MAIN DWG. 2136 AUG. 1986





TYPICAL CONCRETE BLOCK DETAIL

SERVICE LINE AT DEAD END OR CUL-DE-SAC



SECTION A-A

GENERAL NOTES

1. ALL CONCRETE SHELF SLOPES TO BE ONE INCH PER FT.
2. ONE FOURTH INCH PER FT. MIN SLOPE FOR 4" OR 6" SERVICE LINE.
3. NEW SERVICE CONNECTIONS TO EXISTING MANHOLE'S MUST BE CORE DRILLED.
4. 8" OR LARGER SERVICE CONNECTIONS MUST BE MADE TO A MANHOLE.

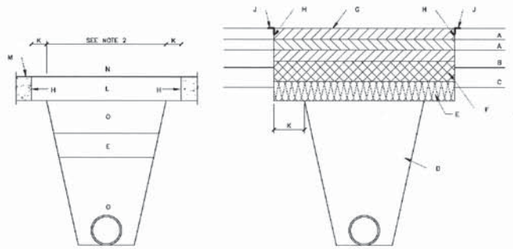
CONSTRUCTION NOTES

A. CAST IRON SERVICE STUB.
B. VARIABLE WITH MAX. ANGLE OF 90°.
C. FORM INVERT IN SHELF.
D. SELL END.
E. CONCRETE, SEE SECTION 101.
F. PLASTER INSIDE AND OUTSIDE WITH 1/2" MORTAR.
G. INVERT ELEVATIONS OF SERVICE LINES SHALL BE THE SAME AS THE SPRING LINE ELEVATIONS OF THE SEWER MAIN.
H. MIN. 5" BLOCK FOR 4' I.D. M.H., 8" BLOCK OR DOUBLEWALL OF 2-5" BLOCKS FOR 6' OR 8' DIAMETER MANHOLE'S
I. PRECAST WALL THICKNESS:
   4' I.D. M.H. - 5" MIN.
   6' I.D. M.H. - 7" MIN.
   8' I.D. M.H. - 9" MIN.

REVISIONS	CITY OF ALBUQUERQUE
11-14-91	SEWER SERVICE LINE CONNECTIONS AT MANHOLE DWG. 2118 AUG. 1986

GENERAL NOTES:

1. COMPACTION AS DETERMINED BY ASTM D1557 MAX DENSITY.
2. TRENCH CUT WIDTHS SHALL BE MIN. WIDTH REQ'D FOR UTILITY INSTALLATION, ECONOMICAL BACKFILL COMPACTION AND COMPLIANCE WITH CURRENT AND APPLICABLE SAFETY REGULATIONS.
3. ALL PAVEMENTS CUT EDGES WILL BE TRIMMED TO PRESENT AN EVEN LINE PRIOR TO REPLACEMENT OF PAVING MATERIAL. "STITCH" CUTTING OF PAVEMENT WILL NOT BE PERMITTED.
4. ADDITIONAL 2" THICKNESS OF ASPHALT CONC. REQ'D ON PAVEMENT CUTS LESS THAN 8' WIDE FOR ASPHALT CONC. PAVEMENT CUTS 8' OR MORE IN WIDTH AND LONGER THAN 100' SHALL BE PLACED WITH LAYDOWN MACHINE TO A DEPTH EQUAL TO THAT OF ASPHALT CONC. REMOVED.



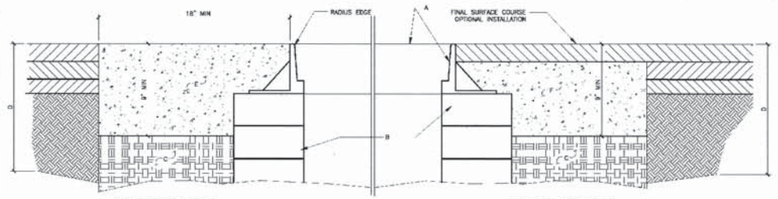
CONCRETE PAVEMENT

ASPHALT CONCRETE PAVEMENT

CONSTRUCTION NOTES:

A. EXISTING ASPHALT PAVEMENT.
B. EXISTING BASE MATERIAL (ABC, BTB, CTB)
C. EXISTING SUBGRADE
D. COMPACTED FILL, 95% COMPACTION
E. COMPACTED SUBGRADE, 95% COMPACTION. SUBGRADE TO MEET OR EXCEED APPARENT R-VALUE OF ADJACENT SOIL, BY SOIL CLASSIFICATION (2 FEET MIN.).
F. MATCH EXISTING BASE MATERIAL PLUS AN ADDITIONS 2" OF THICKNESS - 95% COMPACTION
G. MATCH EXISTING ASPHALT CONCRETE SECTION PLUS AN ADDITIONAL 2" OF THICKNESS
   a) FOR RESIDENTIAL STREETS, SURFACE COURSE SHALL BE 1 1/2" THICK, TYPE C
   b) FOR MAJOR LOCAL STREETS, SURFACE COURSE SHALL BE 2" THICK, TYPE B
   c) FOR ALL OTHER STREETS, SURFACE COURSE SHALL BE 2" THICK, S-B
H. SAW CUT OR BLADE-CUT ASPHALT PAVEMENT. SAW CUT ONLY ONE THIRD CONC. DEPTH
J. TACK COAT
K. 12" CUT-BACK
L. MATCH EXISTING CONCRETE PAVEMENT THICKNESS, 6" MINIMUM, 4000 PSI
M. EXISTING CONCRETE PAVEMENT
N. JOINTS TO BE TOOLED & SEALED IN ACCORDANCE WITH ENGINEERS REQUIREMENTS
O. 6" CONC. TREATED BASE (C.T.B).

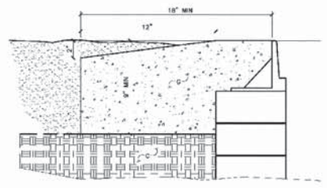
REVISIONS	CITY OF ALBUQUERQUE
1/91 10/15/92	PAVING CITYWIDE PAVEMENT CUTS FOR ALL UTILITIES DWG. 2460 JANUARY 2003



STANDARD INSTALLATION

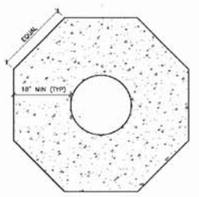
OPTIONAL INSTALLATION

PAVED AREAS



STANDARD INSTALLATION

DIRT AREAS



TOP PLAN

GENERAL NOTES:

A MANHOLE OR VALVE BOX RING AND COVER PER CITY STANDARDS.

B MANHOLE CONE/EXTENSION OR VALVE PIPE PER CITY STANDARDS. PIPE WITH SMOOTH INTERIOR.

C 12" SUBGRADE, 95% COMPACTION (ASTM).

D PAVING SECTION PER APPROVED DRAWINGS.

E CONCRETE COLLAR IN PAVED AREAS - TYPICAL INSTALLATION.

F CONCRETE COLLAR IN PAVED AREAS WITH ASPHALT CAP. TO BE USED WHEN CALLED FOR ON PLANS OR AS DIRECTED BY THE ENGINEER.

G CONCRETE COLLAR IN DIRT AREAS - SET RING 1" ABOVE GRADE AND SLOPE CONCRETE DOWN AS SHOWN TO 1" BELOW GRADE.

H WATER VALVE INSTALLATIONS SHALL HAVE SURFACE STAMPED WITH LINE INFORMATION PER CITY STANDARD DWG 2326.

REVISIONS	CITY OF ALBUQUERQUE
	MANHOLE/VALVE CONCRETE COLLAR DETAIL DWG. 2461 JANUARY 2003

ENGINEER'S SEAL

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet. ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet. NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION

CONTRACTOR

	DATE
WORK STAKED BY	
INSPECTION & MAINTENANCE BY	
FIELD VERIFICATION BY	
DRAWING CORRECTED BY	

MICRO-FILM INFORMATION

RECORDED BY — DATE

NO.

RECORD DRAWING

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY	TWTK 08/01/07
		DRAWN BY	TWTK 08/01/07
		CHECKED BY	DCM 08/01/07

PB Parsons 100 YEARS Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
C.O.A. STANDARD DRAWINGS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
X	X		

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	16-11

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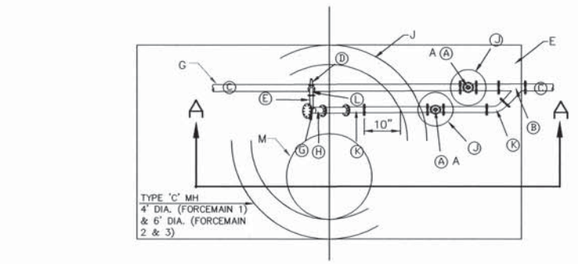
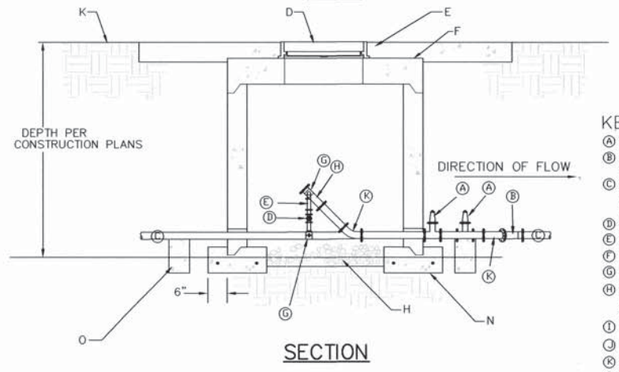


PLAN



SECTION

GENERAL NOTES:

1. ALL COMPACTION FOR INSTALLATION OF PIG LAUNCHER TO BE 95% OF MAXIMUM DRY DENSITY PER ASTM D 1557.

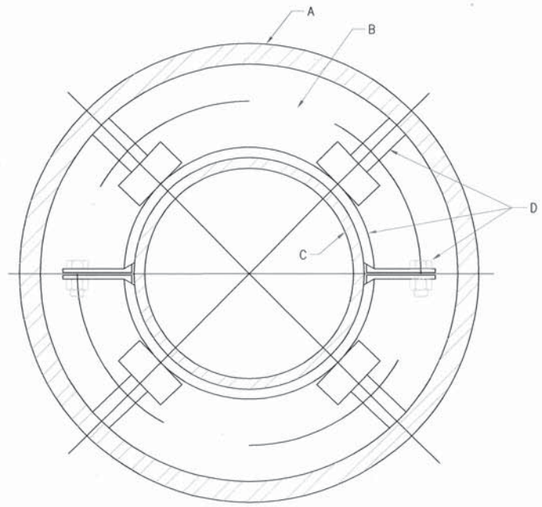
CONSTRUCTION NOTES:

A. MJ GATE VALVE W/ RISING STEM. SEE SPECS.
B. FLANGED WYE
C. BLIND FLANGE
D. 36" SEWER MANHOLE FRAME AND COVER SEE C.O.A. STD. DWG. 2110.
E. 5' x 10' x 6" THICK CONC. PAD LOCATED AROUND OPENINGS. AS SHOWN TO MATCH FINISH GRADE.
F. PRECAST CONCRETE FLAT TOP FOR MANHOLE WITH 2'-0" DIA. OPENING PER C.O.A. STD. DWG. 2107.
G. FORCE MAIN PER CONSTRUCTION PLANS.
H. 6" DEEP 3/4" GRAVEL
I. TYPE "B" VALVE BOX PER C.O.A. STD. DWG. 2326
J. USE 6'-0" I.D. CONCRETE MANHOLE SECTIONS.
K. FINISH GRADE
L. SLOTTED OPENING 1" LARGER THAN FORCE MAIN WITH APPROVED GASKET. GROUT INTERIOR AND EXTERIOR OF OPENING.
M. LOCATION OF LID.
N. 2-CONCRETE ANTI-FLOTATION COLLAR HALVES SEE STANDARD DETAIL DWG. 2171.
O. CONCRETE VALVE ANCHORAGE, SEE C.O.A. STANDARD DWG. 2333.

KEYED NOTES:

(A) GATE VALVE R.S.
(B) 4"X4"X4" WYE (FORCEMAIN 1) & 6"X6"X6" WYE (FORCEMAIN 2 & 3)
(C) 4" DIP (FORCEMAIN 1) & 6" DIP (FORCEMAIN 2 & 3) LENGTH AS REQUIRED
(D) 2" CORP STOP
(E) 2" GAL. STEEL AS REQUIRED
(F) NOT USED
(G) TAPPING SADDLE
(H) 4"x6" LAUNCHER BARREL (FORCEMAIN 1) & 6"x8" LAUNCHER BARREL (FORCEMAIN 2 & 3)
(I) NOT USED
(J) VALVE CAN
(K) 45° BEND
(L) 90° ELBOW

REVISIONS	CITY OF ALBUQUERQUE
	VACUUM SEWER STANDARDS PIG LAUNCHER DETAILS FOR SANITARY SEWER FORCE MAINS DWG. 2161 JANUARY 2003



TYPICAL SECTION

GENERAL NOTES:

1. METHOD OF END CLOSURE TO BE DESIGNED TO SUIT CONDITIONS.

CONSTRUCTION NOTES:

A. WELDED STEEL PIPE CASING. DIAMETER AND WALL THICKNESS TO BE DESIGNED TO SUIT CONDITIONS.
B. BELL DIAMETER OF CARRIER PIPE
C. CARRIER PIPE
D. MANUFACTURED CASING SPACER. INSTALLATION AND SPACING PER MANUFACTURER'S RECOMMENDATIONS.

REVISIONS	CITY OF ALBUQUERQUE
8-23-96 4-25-97	BORING INSTALLATION DWG. 2380 JANUARY 2003

ENGINEER'S SEAL

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
ACS 1 3/4" Aluminum disk, stamped "ACS BM, 9-F15", epoxied to top of concrete drop inlet, ENE quadrant of Montano Rd. & Edith Blvd. NE, centered on said drop inlet.
NGVD 29 Elev. = 4984.00'

AS BUILT INFORMATION

	DATE
CONTRACTOR	
WORK STAKED BY	
INSPECTOR'S ACCEPTANCE BY	
FIELD VERIFICATION BY	
DRAWINGS CORRECTED BY	

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

NO.	DATE	REMARKS	BY

DESIGN

		DATE
DESIGNED BY	TWTK	08/01/07
DRAWN BY	TWTK	08/01/07
CHECKED BY	DCM	08/01/07

RECORD DRAWING

PB Parsons Brinckerhoff

COUNTY OF BERNALILLO
PUBLIC WORKS DIVISION
TECHNICAL SERVICES DEPARTMENT

EDITH BLVD. RECONSTRUCTION
C.O.A. STANDARD DRAWINGS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
785181	F-15, G-15	16-12

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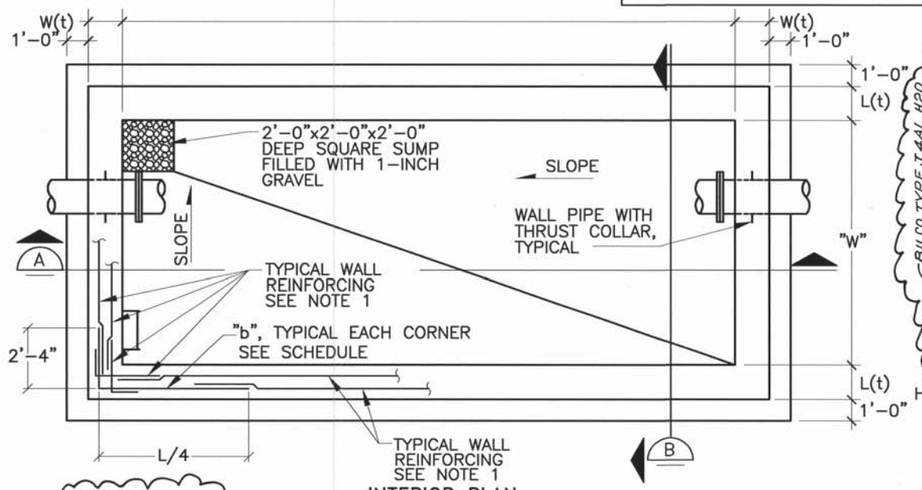
PRV VAULT DIMENSION AND REINFORCING SCHEDULE

"L"=VAULT LENGTH
"W"=VAULT WIDTH

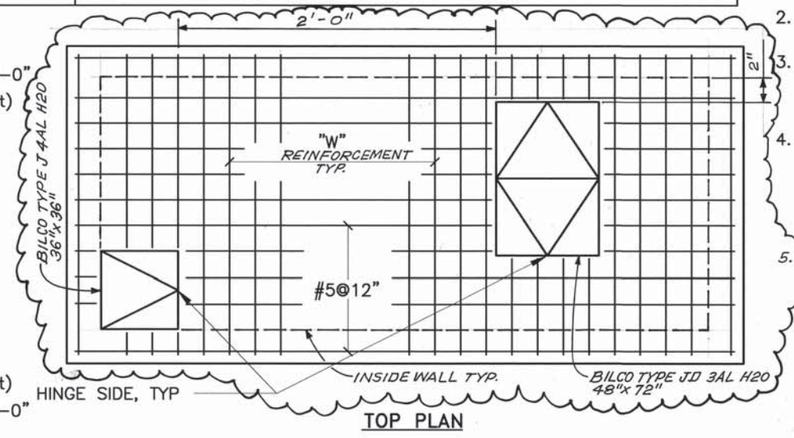
PIPE SIZE	STANDARD PRV NO METER, NO BYPASS		STANDARD PRV NO METER, W/BYPASS		WITH PROPELLER METER AND NO BYPASS		WITH PROPELLER METER AND BYPASS		WITH MAGNETIC FLOW METER AND BYPASS		WALL THICKNESS		TOP THICKNESS		WALL REINFORCING: WITHOUT BYPASS			WALL REINFORCING: WITH BYPASS		
													TRAFFIC	NONTRAFFIC	"L"	"W"		"L"	"W"	
(IN)	"L"	"W"	"L"	"W"	"L"	"W"	"L"	"W"	"L"	"W"	L(t)	W(t)	T(t)	T(t)	a	a	b	a	a	b
~~6~~	~~10' 6"~~	~~5' 6"~~	~~11' 8"~~	~~8' 0"~~	~~10' 6"~~	~~5' 6"~~	~~14' 6"~~	~~8' 0"~~	~~15' 8"~~	~~8' 6""~~	~~1' 0"~~	~~1' 0"~~	~~1'-0"~~	~~0' 8"~~	~~#6 @ 12"~~	~~TYPICAL~~	~~TYPICAL~~	~~#5 @ 6"~~	~~TYPICAL~~	~~#6 @ 12"~~
~~8~~	~~10' 6"~~	~~5' 8"~~	~~12' 0"~~	~~8' 2"~~	~~10' 6"~~	~~5' 8"~~	~~15' 4"~~	~~8' 2"~~	~~16' 2"~~	~~8' 8"~~	~~1' 0"~~	~~1' 0"~~	~~1'-0"~~	~~0' 8"~~	~~#6 @ 12"~~	~~TYPICAL~~	~~TYPICAL~~	~~#5 @ 6"~~	~~TYPICAL~~	~~#6 @ 12"~~
~~10~~	~~10' 6"~~	~~5' 10"~~	~~13' 0"~~	~~8' 4"~~	~~11' 4"~~	~~5' 10"~~	~~17' 4"~~	~~8' 4"~~	~~17' 4"~~	~~8' 10"~~	~~1' 0"~~	~~1' 0"~~	~~1'-0"~~	~~0' 8"~~	~~#6 @ 12"~~	~~#6 @ 12"~~	~~TYPICAL~~	~~#5 @ 6"~~	~~#6 @ 12"~~	~~#6 @ 12"~~
~~12~~	~~10'-6"~~	~~6'-0"~~	~~13' 8"~~	~~8' 6"~~	~~12' 8"~~	~~6' 0"~~	~~19'-0"~~	~~8' 6"~~	~~18'-4"~~	~~9'-0"~~	~~1'-0"~~	~~1'-0"~~	~~1'-0"~~	~~0' 8"~~	~~#6 @ 12"~~	~~#6 @ 12"~~	~~TYPICAL~~	~~#5 @ 6"~~	~~#6 @ 12"~~	~~#6 @ 12"~~
~~14~~	~~10' 6"~~	~~6' 2"~~	~~14' 9"~~	~~8' 8"~~	~~14' 3"~~	~~6' 2"~~	~~21' 6"~~	~~8' 8"~~	~~20' 2"~~	~~9' 2"~~	~~1' 0"~~	~~1' 2"~~	~~1'-0"~~	~~0' 8"~~	~~#5 @ 6"~~	~~#5 @ 6"~~	~~#6 @ 12"~~	~~#5 @ 6"~~	~~#5 @ 6"~~	~~#6 @ 12"~~
~~16~~	10'-6"	6'-4"	~~15'-4"~~	~~8'-10"~~	~~16'-6"~~	~~6'-4"~~	~~24'-2"~~	~~8'-10"~~	~~21'-0"~~	~~9'-4"~~	1'-0"	1'-2"	1'-0"	~~0'-8"~~	#5 @ 6"	#5 @ 6"	#6 @ 12"	~~#5 @ 6"~~	~~#5 @ 6"~~	~~#6 @ 12"~~

DIMENSIONAL NOTES:
"L" = VAULT LENGTH
"W" = VAULT WIDTH
L(t) = WALL THICKNESS(LENGTH)
W(t) = WALL THICKNESS(WIDTH)
T(t) = TOP SLAB THICKNESS

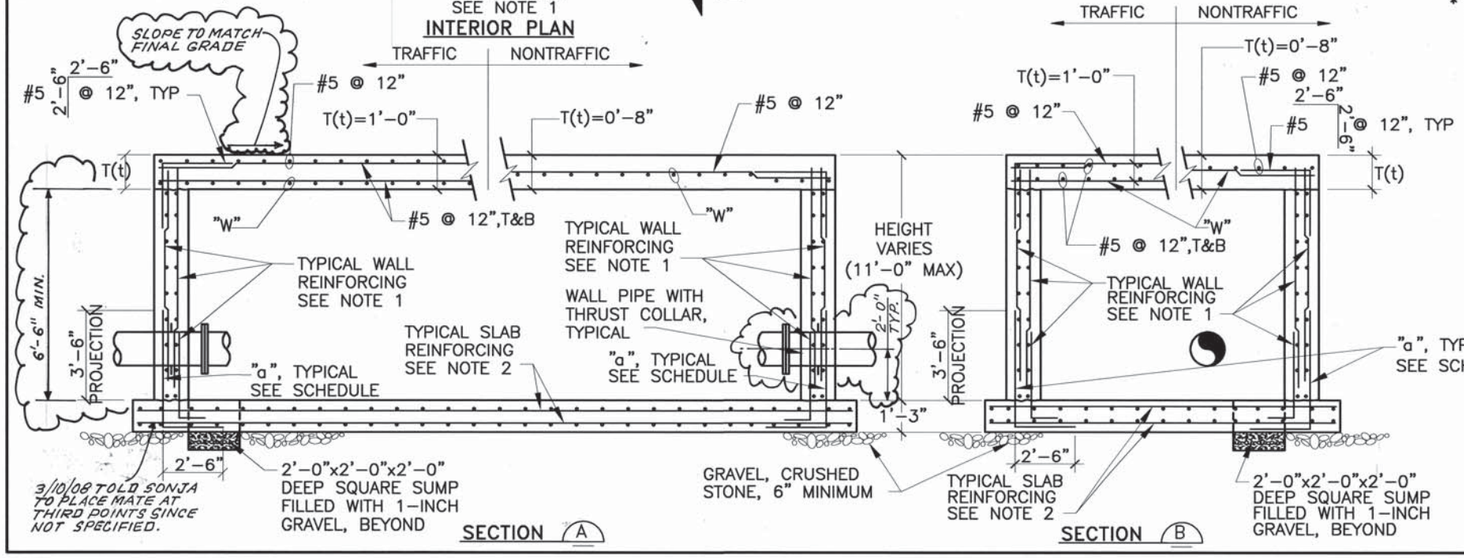
WALL REINFORCING NOTES:
1. "a" BAR DESIGNATION REPRESENTS WALL DOWELS PROTRUDING VERTICALLY FROM BASE SLAB ALONG LENGTHWISE DIMENSION "L" OR WIDTH DIMENSION "W".
2. "b" BAR DESIGNATION REPRESENTS ADDITIONAL HORIZONTAL WALL CORNER REINFORCING.



INTERIOR PLAN



TOP PLAN



SECTION A

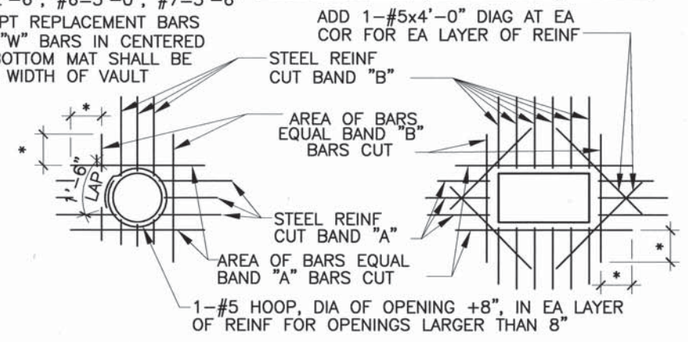
SECTION B

GENERAL NOTES:

1. TYPICAL WALL REINFORCING SHALL BE #5 @ 12" O.C., EACH WAY, EACH FACE UNLESS SHOWN OTHERWISE ON THE SCHEDULE. PROVIDE BARS AS INDICATED ON THE SCHEDULE AND LAP W/ #5 @ 12" FOR REMAINDER OF WALL HT. OR LENGTH.
2. TYPICAL BASE SLAB REINFORCING SHALL BE #5 @ 12" EACH WAY, TOP AND BOTTOM OF SLAB.
3. CONCRETE SHALL BE IN ACCORDANCE WITH STD SPEC SEC. 510 AND SEC. 101 FOR HYDRAULIC CONCRETE f'c=4000 psi @ 28 DAYS. ALL REINFORCING STEEL SHALL BE GRADE 60.
4. IF THE DEPTH OF VAULT EXCEEDS THE 11'-0" MAX. DEPTH SHOWN, THE ENGINEER/CONTRACTOR SHALL DESIGN THE REINFORCEMENT, WALL & FLOOR THICKNESS TO SUIT THE SPECIFIC CONDITIONS. ALL STRUCTURAL MODIFICATIONS SHALL BE DESIGNED AND STAMPED BY A LICENSED NEW MEXICO PROFESSIONAL ENGINEER.
5. SEE SD 2370 FOR PIPING DETAILS.

VAULT DIMENSION	VAULT TOP REINFORCING: REINFORCING T(t)=0'-8" CENTERED MAT	REINFORCING T(t)=1'-0" BOTTOM MAT
"W"	"W"	"W"
≤6'-0"	#5 @ 12"	#5 @ 12"
>6'-0" ≤7'-0"	#5 @ 12"	#6 @ 12"
>7'-0" ≤9'-0"	#6 @ 12"	#7 @ 12"
>9'-0" ≤10'-0"	#7 @ 12"	#7 @ 12"

* #5=2'-6", #6=3'-0", #7=3'-6" EXCEPT REPLACEMENT BARS FOR "W" BARS IN CENTERED OR BOTTOM MAT SHALL BE FULL WIDTH OF VAULT



OPENING NOTES:

1. TYPICAL FOR ALL OPENINGS IN CONCRETE WALLS AND SLABS.
2. DO NOT WELD REINFORCEMENT TO PIPE SLEEVES AND INSERTS.

RECORD DRAWING

REVISIONS	CITY OF ALBUQUERQUE
	WATER
	STANDARD PRV STATION STRUCTURAL DETAILS (MODIFIED)
	DWG. 2357 JANUARY 2003