

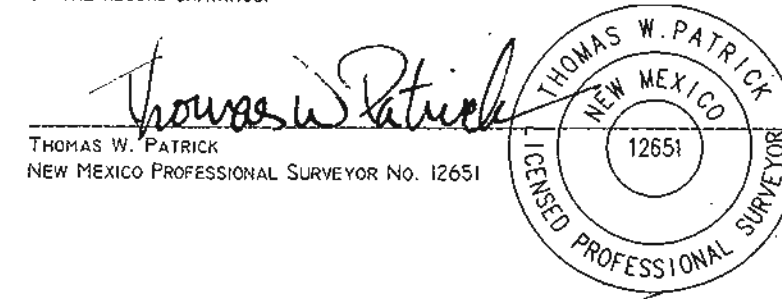
WEST SIDE TRANSIT FACILITY PHASE I

8001 DAYTONA RD. SW
ALBUQUERQUE, NEW MEXICO

NEW FACILITIES TRANSIT DEPARTMENT PROJECT NO. 5658.01

SCANNED BY
MESA REPRO

SURVEYOR'S CERTIFICATE
I, THOMAS W. PATRICK, A DULY QUALIFIED LICENSED PROFESSIONAL SURVEYOR UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY
CERTIFY THAT THE AS-BUILT INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM FIELD CONSTRUCTION AND "AS-BUILT" SURVEYS
PERFORMED BY ME, OR UNDER MY SUPERVISION, THAT THE "AS-BUILT" INFORMATION SHOWN ON THESE DRAWINGS (UNLESS OTHERWISE NOTED) WAS
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BELIEF. COMMUNITY SERVICES CORPORATION IS NOT RESPONSIBLE FOR ANY OF THE DESIGN CONCEPTS, CALCULATIONS, ENGINEERING AND/OR INTENT
OF THE RECORD DRAWINGS.



7-26-2001
DATE

INDEX OF DRAWINGS

DESIGN TEAM

GENERAL INFORMATION

01 00.01 COVER SHEET

CIVIL

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SITE

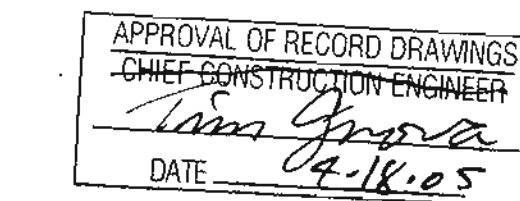
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THE FOLLOWING SHEETS WERE ADDED IN GREEN CHANGE ORDERS
FOR ON-SITE UTILITIES AND WALL MOOS AND PAVING

- 23 A PHASE 1 CHANGE ORDER - WATER
- 23 B PHASE 1 CHANGE ORDER - ON-SITE SANITARY SEWER
- 23 C ON-SITE PAVING CO.
- 23 D PHASE 1 CHANGE ORDER - STORM DRAIN
- 23 E CHANGE ORDER - GAS & ELECTRICAL
- 23 F NEW INTERIOR WALL LOCATION SKETCH 06/10/03

PATRICK CONLEY of the firm of **SMITH ENGINEERING CO.**
A Registered 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 under my direct supervision
and has been constructed in accordance with the plans and specifications, while
someone from Smith Engineering Company was onsite, approved by the City Engineer
and that the original design intent of the approved plans has been met, except as noted
by me on the as-built construction drawings. This Certification is based on site
inspections by me or personnel under my direction and survey information provided by
THOMAS PATRICK (Surveyor Name) NMPS number **12551** (PS #).

Engineers Seal & Signature



*FOR WORK DONE IN NMSHTD RIGHT-OF-WAY

VICINITY MAP



VICINITY MAP

NOT TO SCALE
PROPOSED CONSTRUCTION AREA

ZONE MAP NO.

J-9-Z

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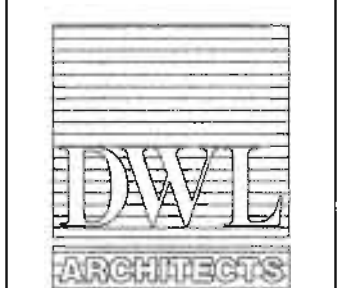
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SEC JOB # 100300
Smith Engineering Company
A Full Service Engineering Company
6400 Uptown Boulevard, N.E. Suite 5008 Albuquerque, New Mexico 87110

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87102
FAX (505) 242-4159
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E-MAIL DWLNM@RT66.COM

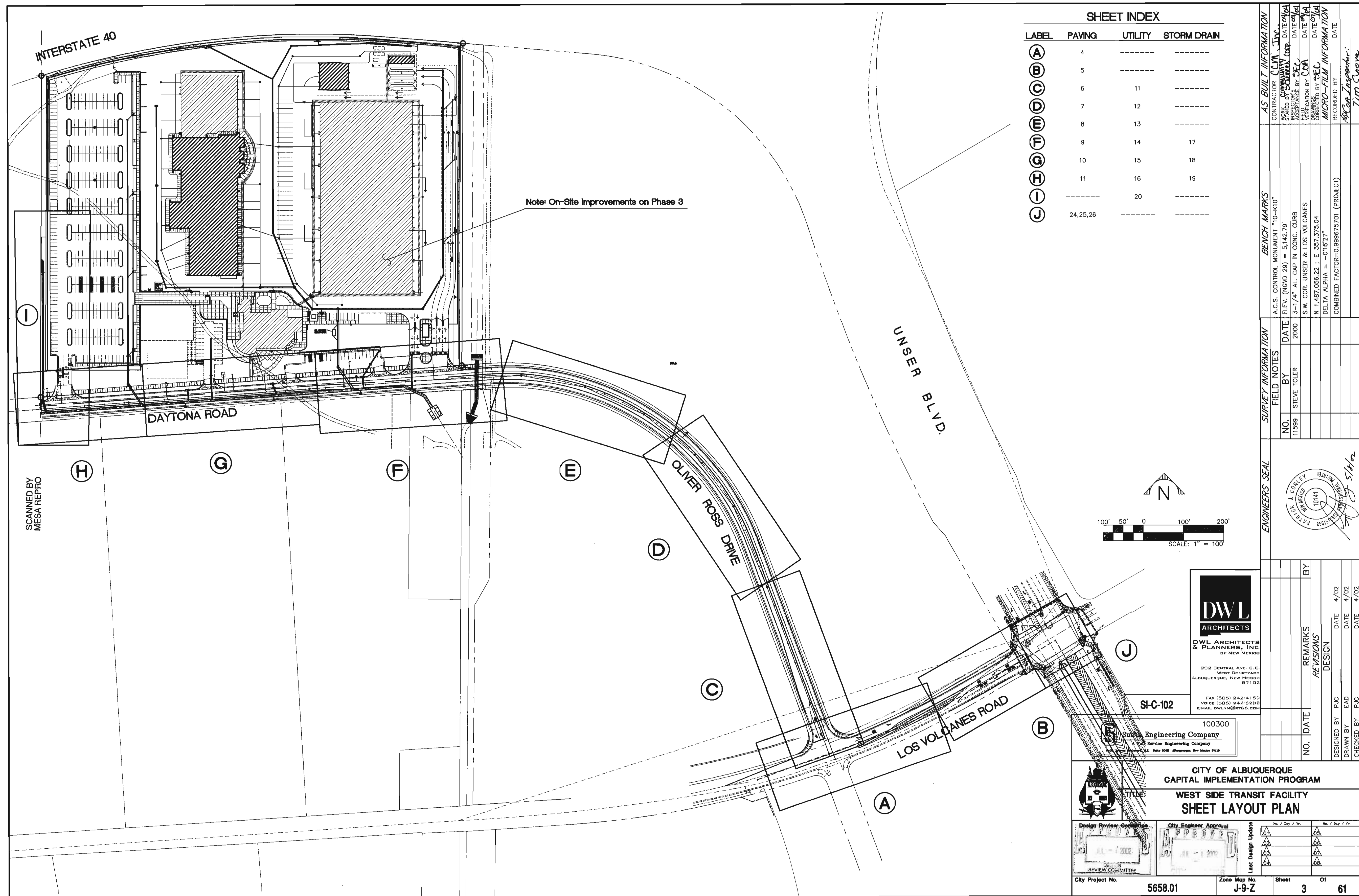
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REV. SHEETS		CITY ENGINEER		DATE		DATE	
STAMP & SIGNATURE		APPROVALS		NAME		DATE	
		D.R.C. Chairman		7-1-02		7-1-02	
		Transportation		6/12/02		6/12/02	
		Water/Wastewater		5/20/02		5/20/02	
		Hydrology		5/20/02		5/20/02	
		NMSHTD *		5/20/02		5/20/02	
NMSHTD *		5/20/02		5/20/02		5/20/02	
Constr. Coord.		7-1-02		7-1-02		7-1-02	
TRANSIT		5/31/02		5/31/02		5/31/02	
CITY PROJECT NO.				5658.01			
SHEET				00.01 OF 61			

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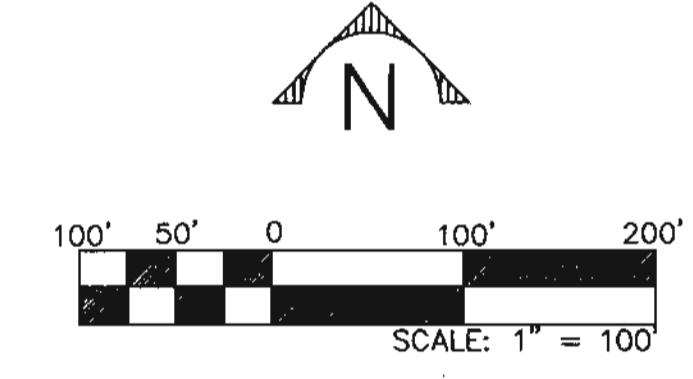
- N.M.S.H.T.D TRAFFIC
CONTROL - UNSER BLVD.

	CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM													
	TITLE: WEST SIDE TRANSIT FACILITY GENERAL NOTES, LEGEND, AND SURVEY CONTROL													
Design Review Committee 	City Engineer Approval 	Last Design Update 	<table border="1"> <thead> <tr> <th>No. / Day / Yr.</th> <th>No. / Day / Yr.</th> </tr> </thead> <tbody> <tr> <td>0.1</td> <td>0.1</td> </tr> <tr> <td>0.2</td> <td>0.2</td> </tr> <tr> <td>0.3</td> <td>0.3</td> </tr> <tr> <td>0.4</td> <td>0.4</td> </tr> </tbody> </table>		No. / Day / Yr.	No. / Day / Yr.	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4
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City Project No. 5658.01	Zone Map No. J-9-Z	Sheet 2	Of 61											

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SHEET INDEX			
LABEL	PAVING	UTILITY	STORM DRAIN
A	4	-----	-----
B	5	-----	-----
C	6	11	-----
D	7	12	-----
E	8	13	-----
F	9	14	17
G	10	15	18
H	11	16	19
I	-----	20	-----
J	24,25,26	-----	-----



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100300
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Service Engineering Company
10000 Sun Valley Blvd. Suite 1000 Albuquerque, New Mexico 87116

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM

TITLE
**WEST SIDE TRANSIT FACILITY
SHEET LAYOUT PLAN**

Design Review Committee
APPROVE
JUL - 2002
REVIEW COMMITTEE

City Engineer Approval
APPROVE
JUL - 2002
CITY

REVISIONS

NO.	DATE	REMARKS	BY

DESIGNED BY	DATE
PJC	4/02

DRAWN BY	DATE
EAD	4/02

CHECKED BY	DATE
PJC	4/02

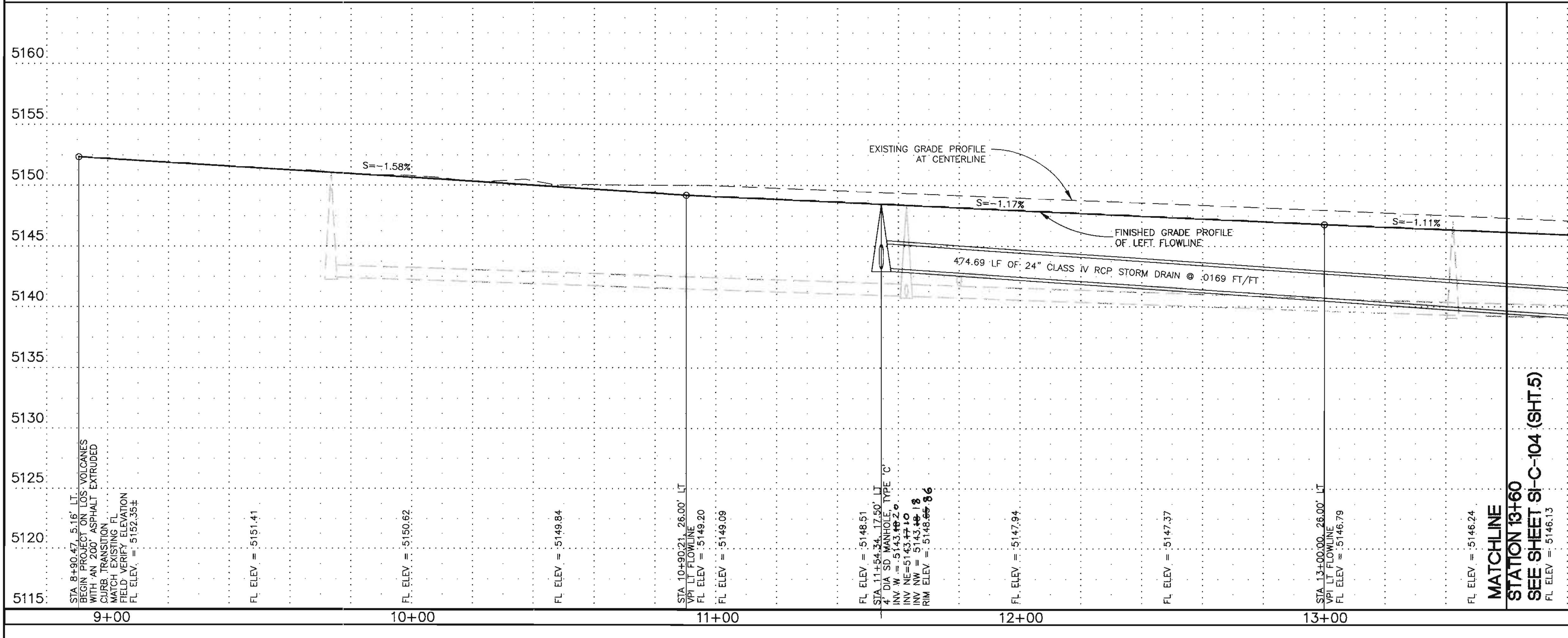
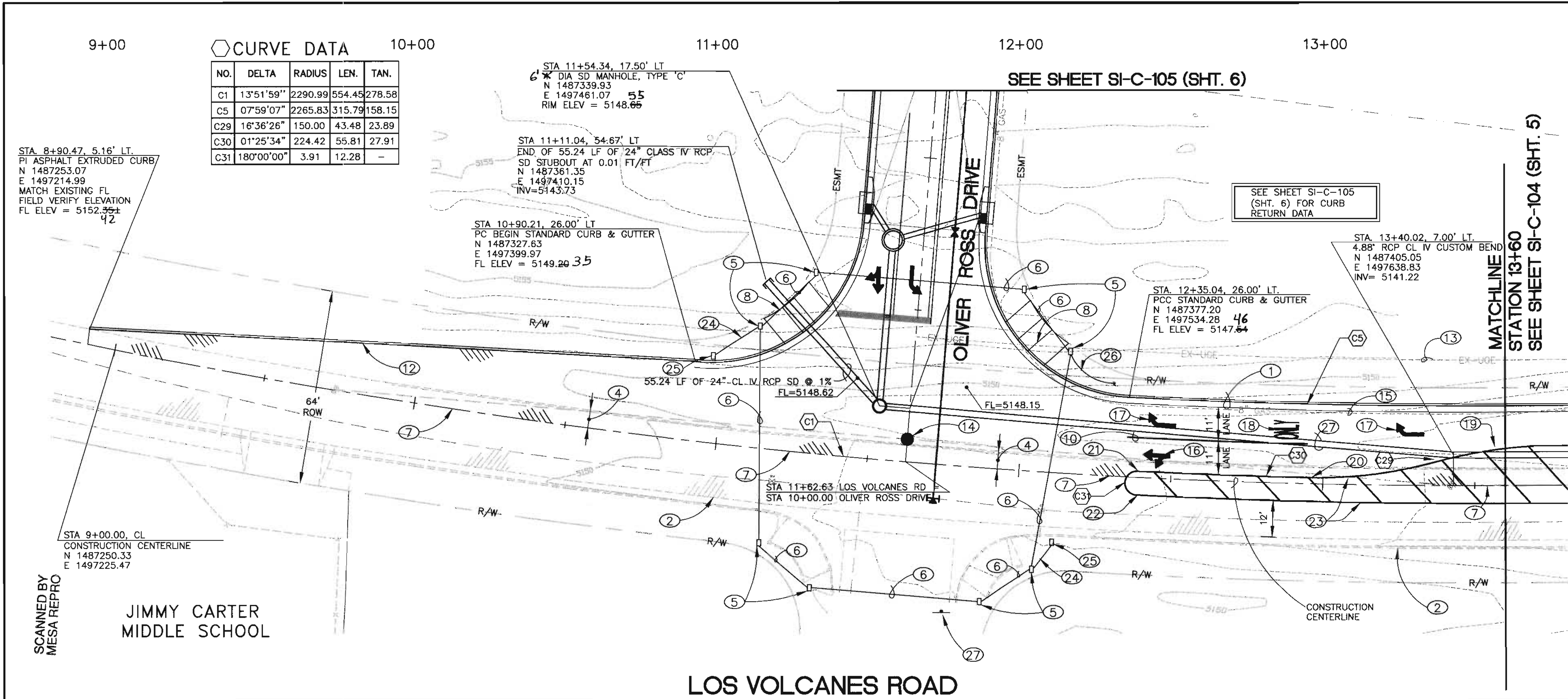
City Project No. 5658.01

Zone Map No. J-9-Z

Sheet 3 of 61

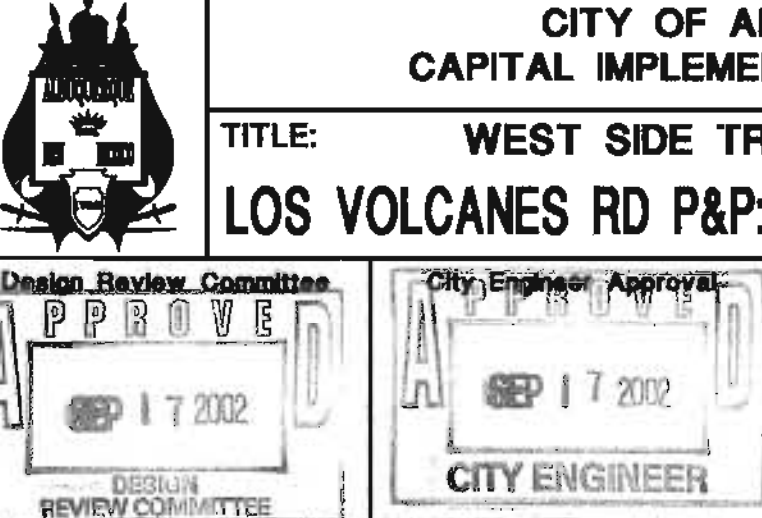
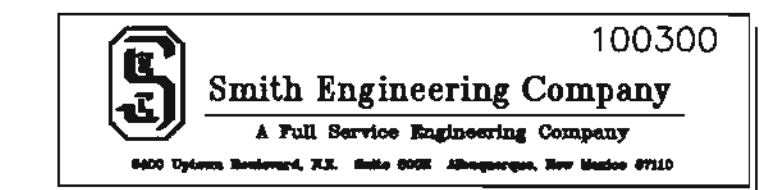
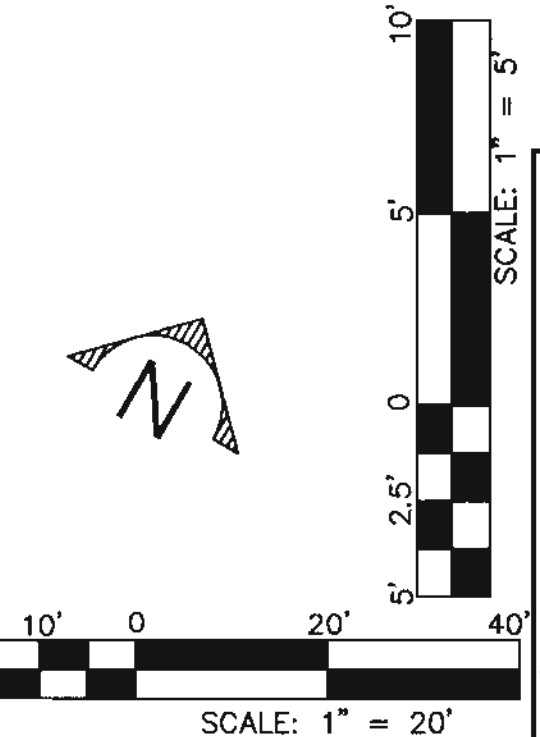
ENGINEERS SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
	NO.	BY	DATE	FIELD NOTES	A.C.S. CONTROL MONUMENT "10-K10"	CONTRACTOR	DATE
	11599	STEVE TOLER	2000		ELEV. (NGVD 29) = 5,142.79'	CONTRACTOR'S STAKE	DATE
					3-1/4" AL. CAP IN CONC. CURB	INSPECTOR'S STAKE	DATE
					S.W. COR. UNSER & LOS VOLCANES	FIELD VERIFICATION BY	DATE
					N 1,487,056.22 ; E 357,375.04	VERIFICATION BY	DATE
					DELTA ALPHA = -0°16'27"	CORRECTED BY	DATE
					COMBINED FACTOR=0.999675701 (PROJECT)	RECORDED BY	DATE
						APPROVED BY	DATE
						Tim Copley	

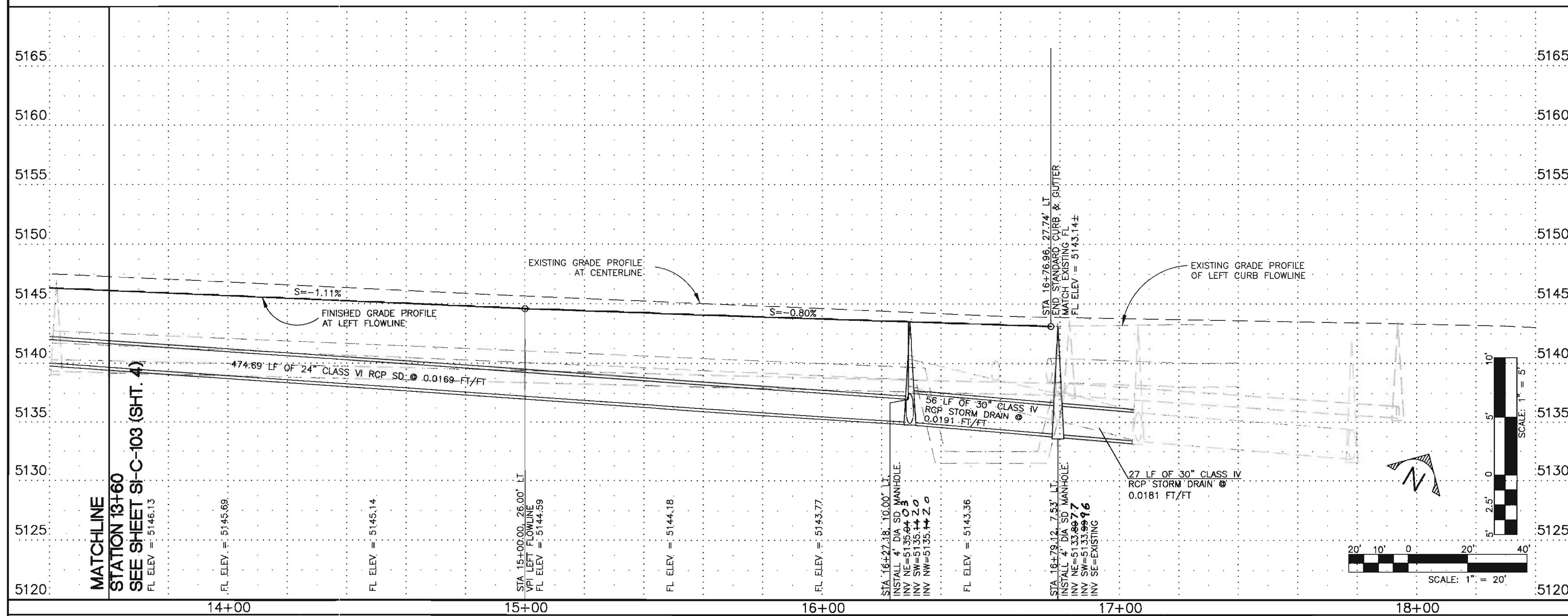
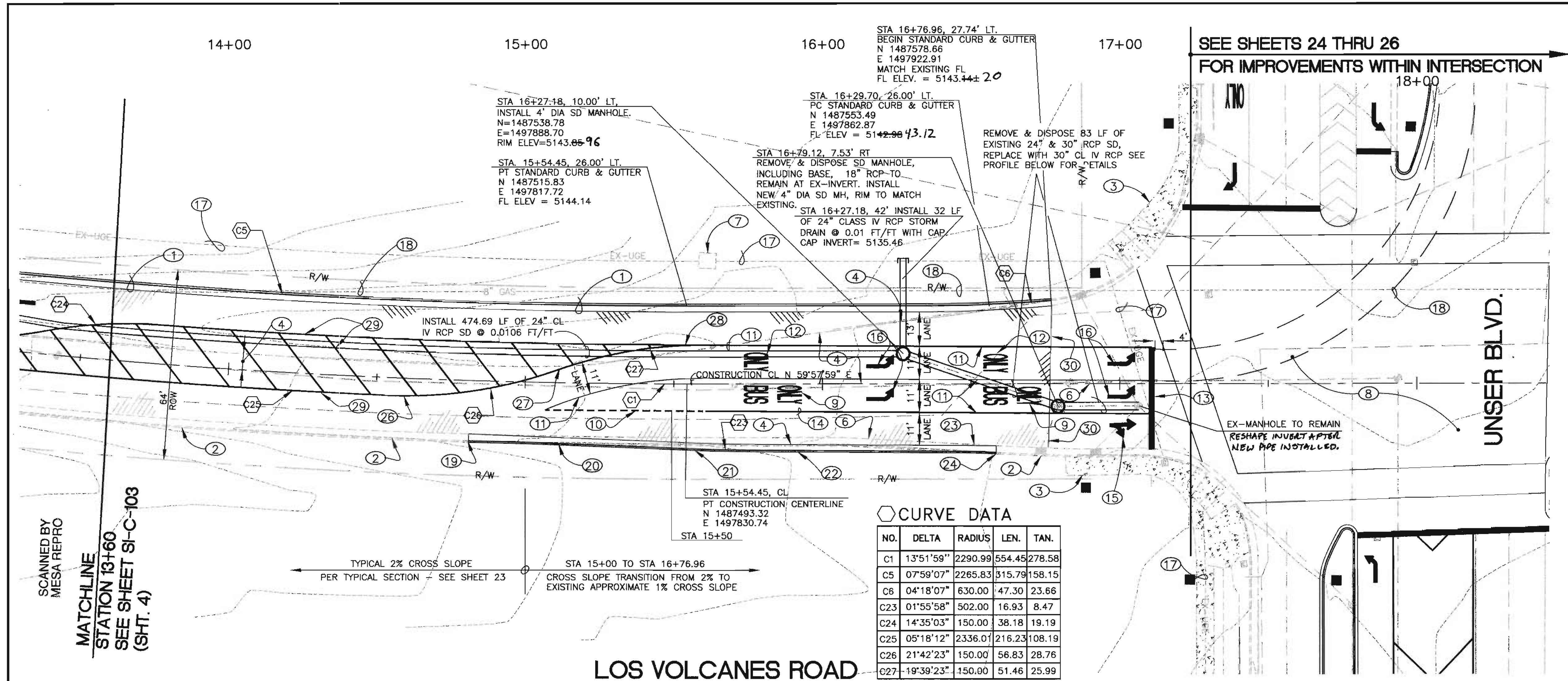
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KEYED NOTES:

1. CONSTRUCT STANDARD CURB AND GUTTER PER C.O.A. STANDARD DRAWING 2415.
2. EXISTING STANDARD CURB AND GUTTER TO REMAIN UNDISTURBED THROUGHOUT CONSTRUCTION.
3. NOT USED
4. REMOVE AND DISPOSE OF EXISTING ASPHALT. SAWCUT EXISTING PAVEMENT TO CLEAN EDGE AND MATCH EXISTING ELEVATION WITH NEW ASPHALT PAVEMENT SECTION.
5. INSTALL TRAFFIC SIGNAL/LIGHTING PULL-BOX PER C.O.A. STANDARD DRAWING 2520.
6. INSTALL 360 LF OF 2-3" AND 1-2" SCH. 40 PVC CONDUIT FOR FUTURE SIGNALIZATION. INCLUDE ALL NECESSARY CURB & GUTTER, SIDEWALK, AND WHEEL CHAIR RAMP REMOVAL AND REPLACEMENTS PER C.O.A. STANDARD DRAWINGS.
7. EDGE OF NEW PAVEMENT.
8. CONSTRUCT TYPE II HANDICAP RAMP PER C.O.A. STANDARD DRAWING 2441.
9. NOT USED
10. INSTALL 100 LF OF 4" SOLID WHITE REFLECTORIZED PLASTIC PAVEMENT MARKINGS.
11. NOT USED
12. INSTALL 184 LF OF STANDARD ASPHALT EXTRUDED CURB PER C.O.A. STANDARD DRAWING 2415.
13. EXISTING UNDERGROUND ELECTRIC.
14. NEW SANITARY SEWER MANHOLE - SEE UTILITY PLANS & PROFILES.
15. EXISTING 8" HIGH PRESSURE GAS LINE.
16. INSTALL C.O.A. STANDARD LEFT TURN AND THRU LANE WHITE REFLECTORIZED PLASTIC PAVEMENT MARKING.
17. INSTALL C.O.A. STANDARD RIGHT TURN WHITE REFLECTORIZED PLASTIC PAVEMENT MARKING.
18. INSTALL C.O.A. STANDARD "ONLY" WHITE REFLECTORIZED PLASTIC PAVEMENT MARKING.
19. STA 13+37.83, 7.86' LT
PC STRIPING REVERSE CURVE
20. STA 12+94.81, 2.00' LT
PC STRIPING REVERSE CURVE
21. STA 12+38.95, 2.00' LT
PC STRIPING REVERSE CURVE
22. STA 12+38.95, 5.81' RT
PC STRIPING REVERSE CURVE
23. INSTALL 4" SOLID YELLOW REFLECTORIZED PLASTIC PAVEMENT MARKINGS FOR GORE
24. INSTALL 3" CONDUIT FOR LIGHTING PEDESTAL FOUNDATION.
25. INSTALL 30' DAVIT STYLE STREET LIGHT WITH 250W HPS FULL CUTOFF FIXTURES AND FOUNDATION PER COA STANDARD DRAWINGS IN "SL" SERIES STREET LIGHTS
26. CONTRACTOR TO COORDINATE CONNECTION OF SIGNAL POWER AND METER LOCATION WITH PNM
27. INSTALL STOP SIGN AND POST PER MUTCD STANDARDS. CONTACT ED TOLEDO, COA TRAFFIC ENGINEERING AT 857-8004 FOR LOCATION
27. INSTALL 474.76 LF OF 24" CLASS IV RCP STORM DRAIN PIPE AT 0.0106 FT/FT





KEYED NOTES:

1. CONSTRUCT STANDARD CURB AND GUTTER PER C.O.A. STD. DRAWING 2415.
2. EXISTING STANDARD CURB AND GUTTER TO REMAIN UNDISTURBED THROUGHOUT CONST.
3. EXISTING CONCRETE SIDEWALK TO REMAIN UNDISTURBED THROUGHOUT CONSTRUCTION.
4. REMOVE AND DISPOSE OF EXISTING ASPHALT. SAWCUT EXISTING PAVEMENT TO CLEAN EDGE AND MATCH EXISTING PAVEMENT ELEVATION WITH NEW PAVEMENT SECTION.
5. NOT USED.
6. EDGE OF NEW ASPHALT PAVEMENT.
7. EXISTING TRANSFORMER TO REMAIN UNDISTURBED THROUGHOUT CONSTRUCTION.
8. SEE INTERSECTION PLAN ON SHEET 21 AND SIGNALIZATION PLAN ON SHEET 22 FOR IMPROVEMENTS WITHIN THE INTERSECTION.
9. INSTALL C.O.A. STANDARD "BUS ONLY" WHITE REFLECTORIZED PAVEMENT MARKING
10. INSTALL 4" WIDE x 3' LONG SOLID WHITE REFLECTORIZED PLASTIC PAVEMENT MARKINGS WITH 12" CAPS.
11. INSTALL 4" DOUBLE SOLID YELLOW REFLECTORIZED PLASTIC PAVEMENT MARKING
12. INSTALL C.O.A. STANDARD "ONLY" WHITE REFLECTORIZED PLASTIC PAVEMENT MARKING
13. INSTALL 7 LF OF 24" SOLID WHITE REFLECTORIZED PLASTIC PAVEMENT MARKING
14. INSTALL 200 LF OF 4" SOLID WHITE REFLECTORIZED PLASTIC PAVEMENT MARKING
15. INSTALL C.O.A. STANDARD RIGHT TURN AND THRU LANE (WHITE) REFLECTORIZED PLASTIC PAVEMENT MARKING
16. INSTALL C.O.A. STANDARD LEFT TURN (WHITE) THRU REFLECTORIZED PLASTIC PAVEMENT MARKING
17. EXISTING UNDERGROUND ELECTRIC.
18. EXISTING 8" HIGH PRESSURE GAS LINE.
19. STA 14+81.43, 20.15' RT BEGIN NEW STANDARD CURB & GUTTER FLOW ELEV=MATCH EXISTING
20. STA 15+00.82, 20.08' RT PI STANDARD CURB & GUTTER FLOW ELEV=MATCH EXISTING
21. STA 15+54.45, 21.79' RT PT STANDARD CURB & GUTTER FLOW ELEV=MATCH EXISTING
22. STA 15+70.96, 22.17' RT PC STANDARD CURB & GUTTER FLOW ELEV=MATCH EXISTING
23. STA 16+51.78, 22.64' RT PI STANDARD CURB & GUTTER FLOW ELEV=MATCH EXISTING
24. STA 16+58.44, 22.99' RT PC STANDARD CURB & GUTTER FLOW ELEV=MATCH EXISTING
25. STA 13+63.62, 12.23' LT PT STRIPING REVERSE CURVE
26. STA 14+54.62, 5.97' RT PT STRIPING REVERSE CURVE
27. STA 15+10.19, 4.07' LT PT STRIPING REVERSE CURVE
28. STA 15+60.77, 12.92' LT PT STRIPING REVERSE CURVE
29. INSTALL 4" SOLID YELLOW REFLECTORIZED PLASTIC PAVEMENT MARKINGS FOR GORE AT 20' O.C. AT 45° ANGLE
30. END NEW ASPHALT AT STA. 16+76.96

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SI-C-104

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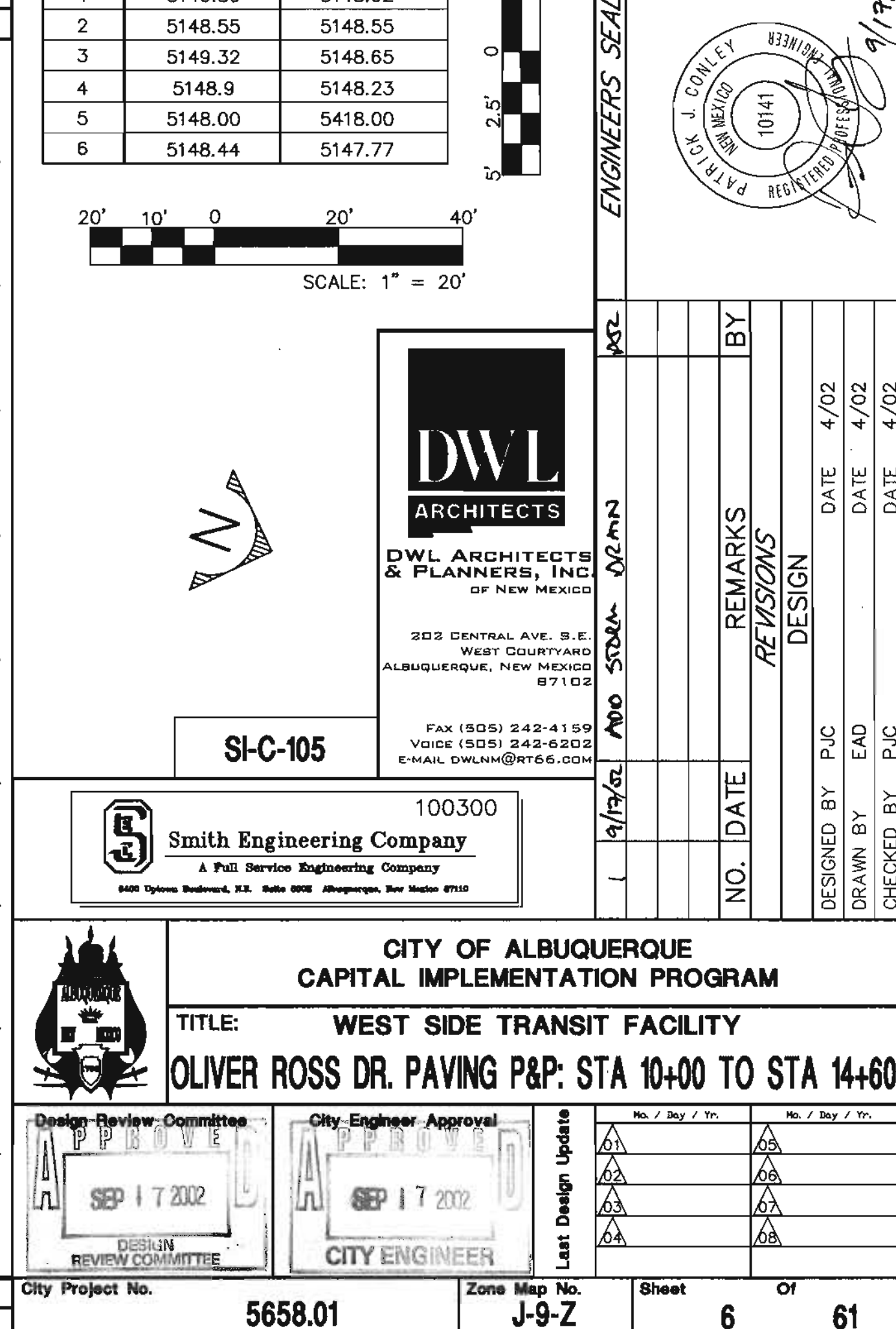
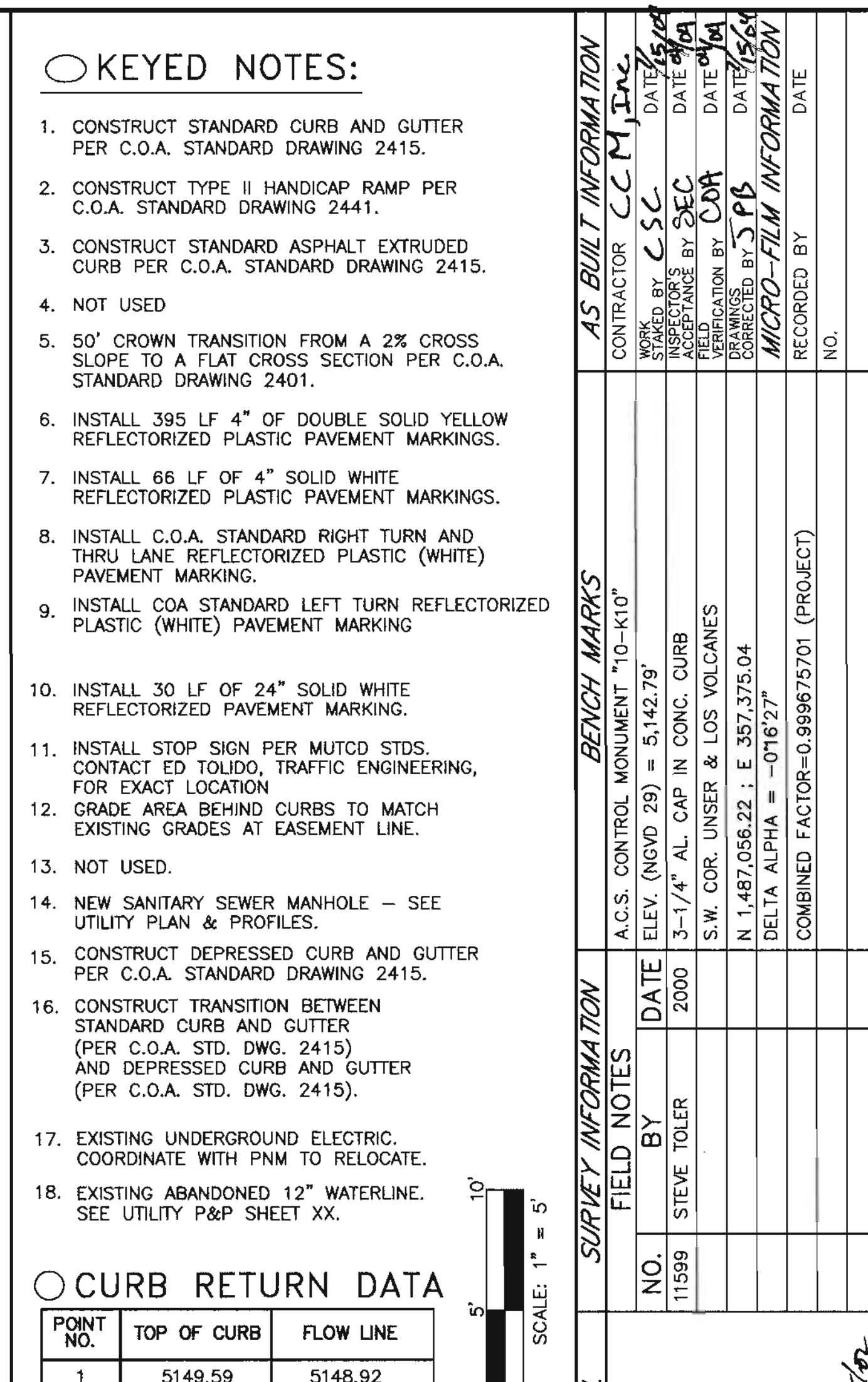
CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
TITLE: **WEST SIDE TRANSIT FACILITY**
LOS VOLCANES RD P&P: STA 13+60 TO 18+00

Design Review Committee
APPROVED
SEP 17 2002
DESIGN REVIEW COMMITTEE

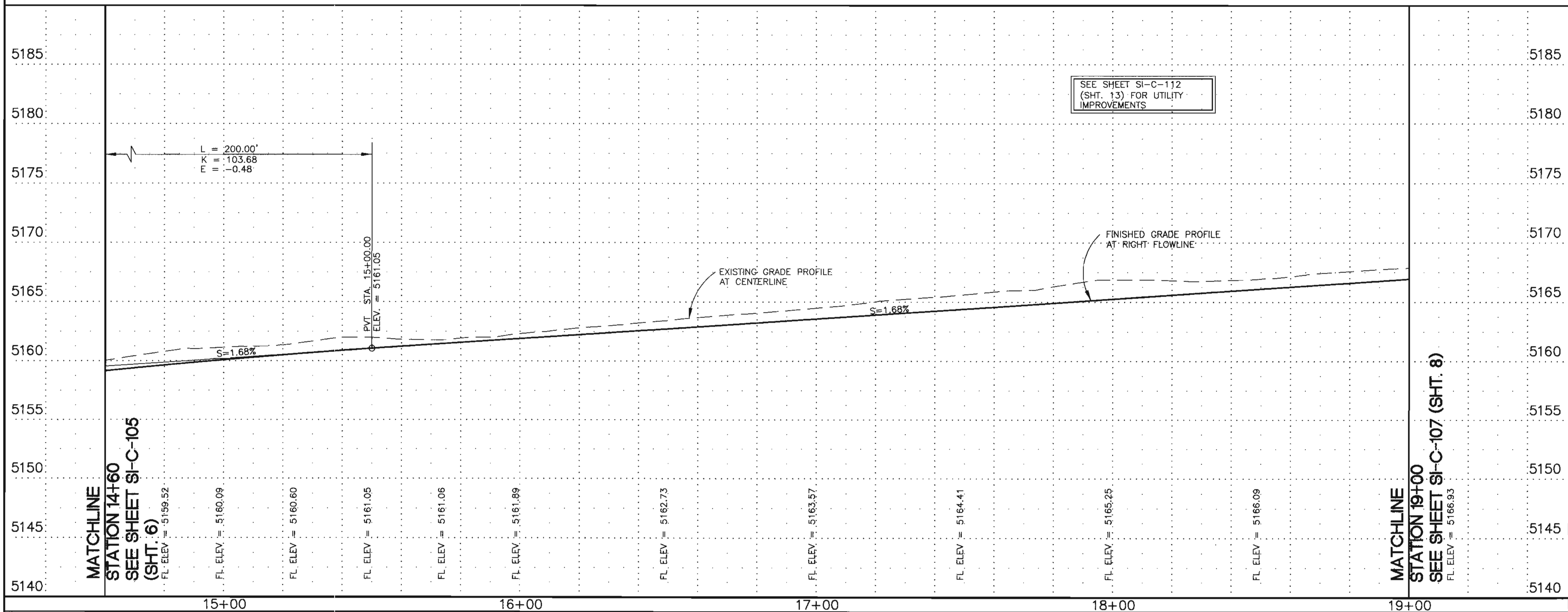
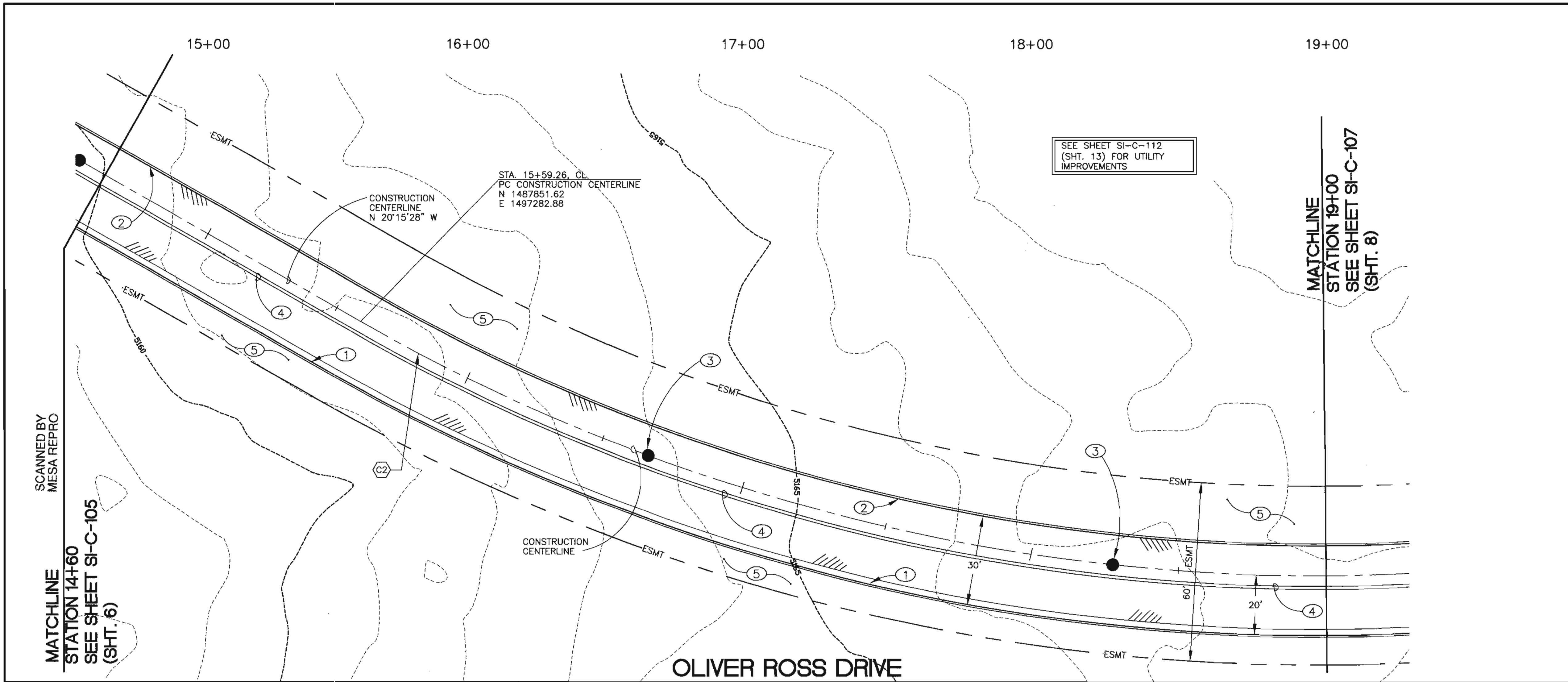
City Engineer Approval
APPROVED
SEP 17 2002
CITY ENGINEER

REVISIONS
NO. DATE
DESIGNED BY PUC
DRAWN BY EAD
CHECKED BY PUC
DATE 4/02
DATE 4/02
DATE 4/02

City Project No. **5658.01** Zone Map No. **J-9-Z** Sheet **5** of **61**



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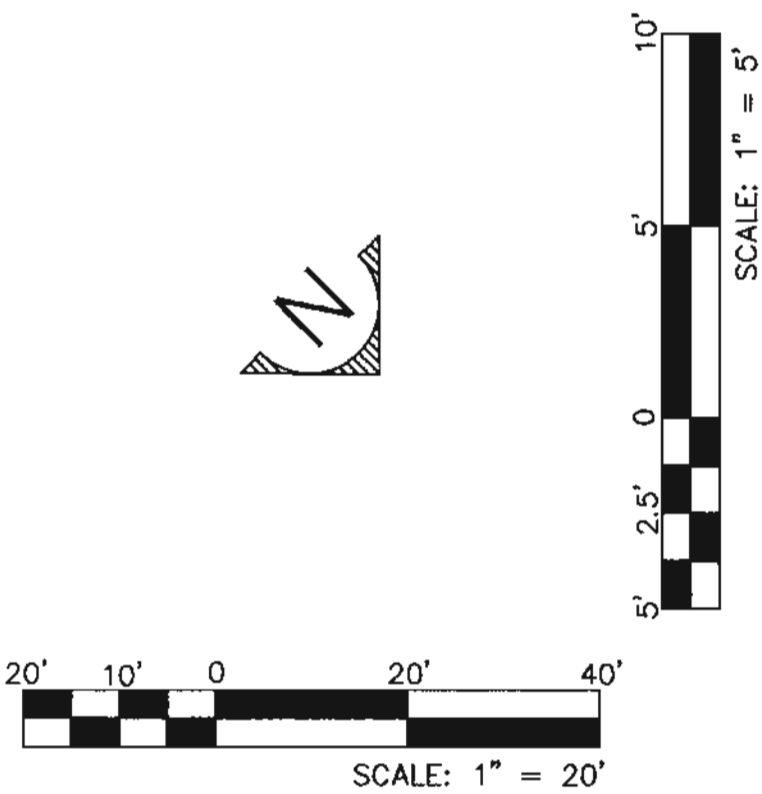


KEYED NOTES:

1. CONSTRUCT STANDARD CURB AND GUTTER PER C.O.A. STANDARD DRAWING 2415.
2. CONSTRUCT STANDARD ASPHALT EXTRUDED CURB PER C.O.A. STANDARD DRAWING 2415.
3. NEW SANITARY SEWER MANHOLE - SEE UTILITY PLAN & PROFILES.
4. INSTALL 440 LF OF 4" DOUBLE SOLID YELLOW REFLECTORIZED PLASTIC PAVEMENT MARKINGS.
5. GRADE AREA BEHIND CURBS TO MATCH EXISTING GRADES AT EASEMENT LINE.

CURVE DATA

NO.	DELTA	RADIUS	LEN.	TAN.
C2	73°54'08"	650.00	838.39	488.94



DWL ARCHITECTS
DWL ARCHITECTS & PLANNERS, INC.
OF NEW MEXICO
202 CENTRAL AVE. S.E.
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A Full Service Engineering Company
8600 Uptown Boulevard, N.E. Suite 2000 Albuquerque, New Mexico 87110

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
TITLE: WEST SIDE TRANSIT FACILITY
OLIVER ROSS DR. PAVING P&P: STA 14+60 TO STA 19+00

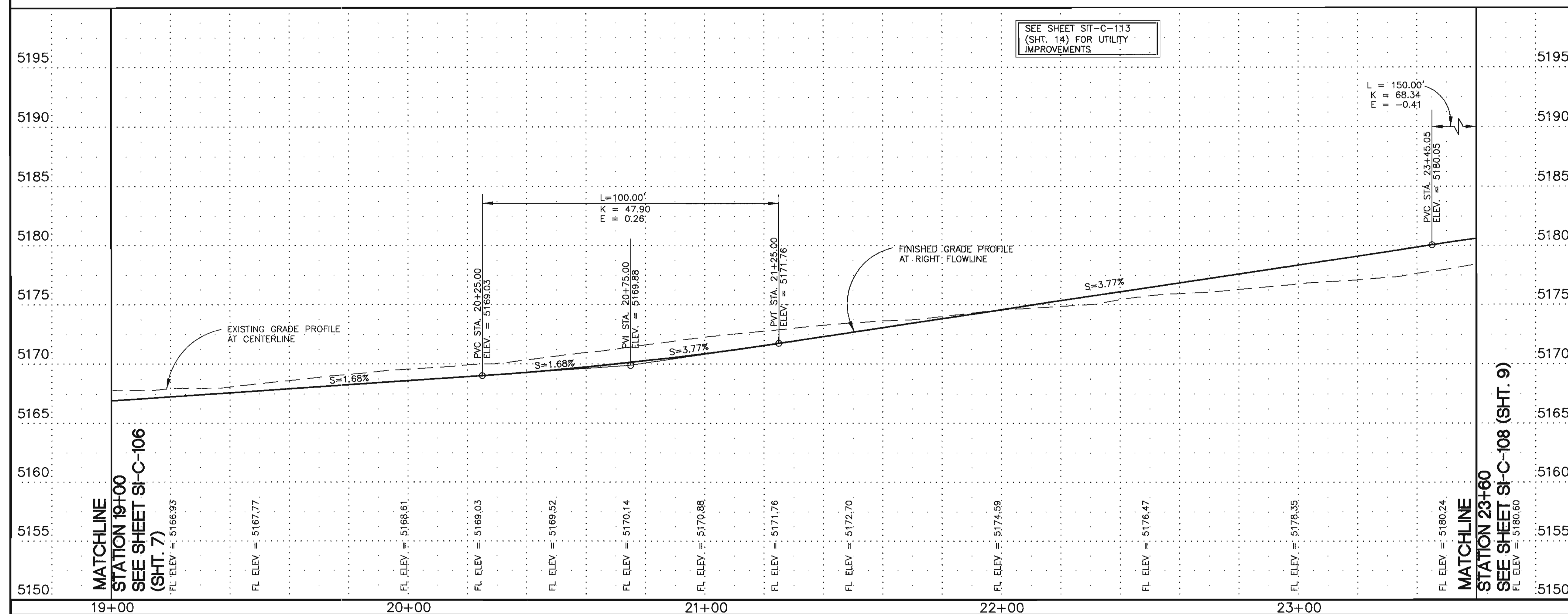
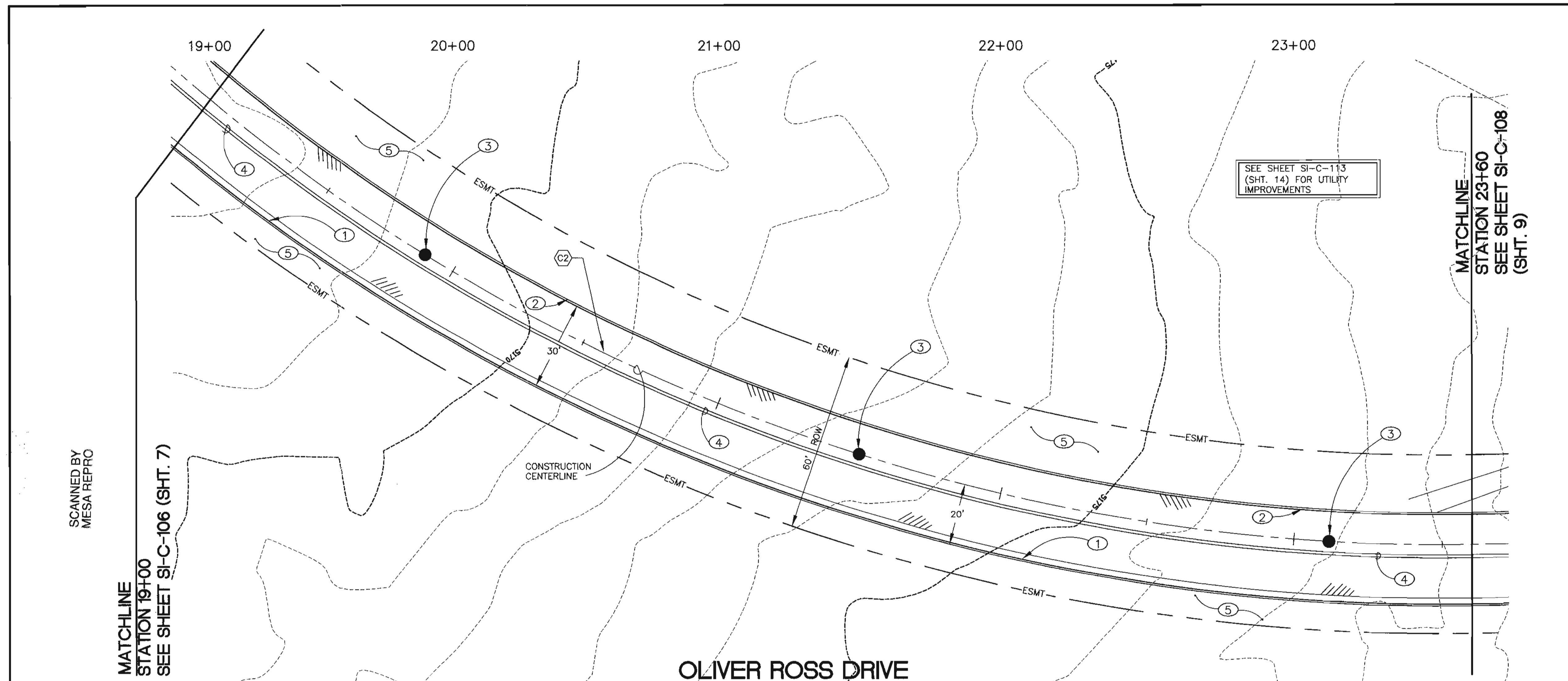
Design Review Committee
City Engineer Approval
Last Design Update

City Project No. 5658.01
Sheet 7 of 61

NO.	DATE	REVISIONS	BY
1	4/02	DESIGN	
2	4/02		
3	4/02		

DESIGNED BY P.C. DATE 4/02
DRAWN BY EAD DATE 4/02
CHECKED BY P.C. DATE 4/02

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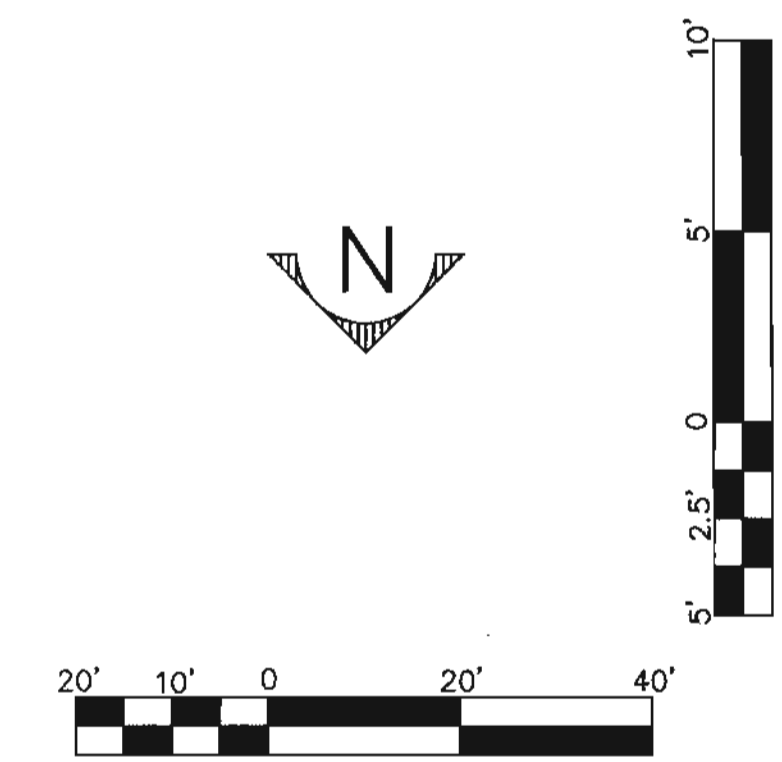


KEYED NOTES:

1. CONSTRUCT STANDARD CURB AND GUTTER PER C.O.A. STANDARD DRAWING 2415.
2. CONSTRUCT STANDARD ASPHALT EXTRUDED CURB PER C.O.A. STANDARD DRAWING 2415.
3. NEW SANITARY SEWER MANHOLE - SEE UTILITY PLAN & PROFILES.
4. INSTALL 460 LF OF 4" DOUBLE SOLID YELLOW REFLECTORIZED PLASTIC PAVEMENT MARKINGS.
5. GRADE AREA BEHIND CURBS TO MATCH EXISTING GRADES AT EASEMENT LINE.

CURVE DATA

NO.	DELTA	RADIUS	LEN.	TAN.
C2	73°54'08"	650.00	838.39	488.94



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SI-C-107

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CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM

TITLE: **WEST SIDE TRANSIT FACILITY**
OLIVER ROSS DR. PAVING P&P: STA 19+00 TO STA 23+60

Design Review Committee
City Engineer Approval
Last Design Update

City Project No. **5658.01** Zone Map No. **J-9-Z** Sheet **8** of **61**

AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEERS SEAL			
CONTRACTOR	DATE	STARTED	DATE	A.C.S. CONTROL MONUMENT	"10-K10"	ELEV. (NOV 29)	5,142.79'	FIELD NOTES	NO.	BY	DATE	REMARKS	NO.	DATE	BY
SEC	DATE	SEC	DATE	3-1/4" AL. CAP IN CONC. CURB				11599	STEVE TOLER	2000		REVISIONS			
INSPECTOR'S	DATE	FIELD	DATE	S.W. COR. UNSER & LOS VOLCANES								DESIGN			
VERIFICATION BY	DATE	CORRECTED BY	DATE	N 1,487,056.22 : E 357,375.04								DESIGNED BY	PJC	DATE	4/02
DELTA ALPHA		COMBINED FACTOR		-0.99875701 (PROJECT)								DRAWN BY	EAD	DATE	4/02
RECORDED BY	DATE	NO.										CHECKED BY	PJC	DATE	4/02

24+00

25+00

26+00

27+00

28+00

SEE SHEET SI-C-114
(SHT. 15) FOR UTILITY
IMPROVEMENTSSEE SHEET SI-C-117
(SHT. 16) FOR STORM
DRAIN IMPROVEMENTS

CURB RETURN DATA

POINT NO.	TOP OF CURB	FLOW LINE
7	5184.35	5183.68
8	5184.10	5184.10
9	5185.19	5184.52
10	5186.82	5186.15
11	5185.98	5185.98
12	5186.71	5186.04

CURB RETURN DATA

POINT NO.	TOP OF CURB	FLOW LINE
13	5188.35	5187.68
14	5188.71	5188.04
15	5188.46	5188.46
16	5189.53	5188.86
17	5189.48	5188.81
18	5189.43	5188.76

SCANNED BY
MESA REPROMATCHLINE
STATION 23+60
SEE SHEET SI-C-107
(SHT. 8)MATCHLINE
STATION 28+20
SEE SHEET SI-C-109 (SHT. 10)

DAYTONA ROAD

TEMPORARY ASPHALT DETAIL

VALLEY GUTTER SECTION AT MAIN BUS ENTRY

TYPICAL SECTION AT ENTRIES OTHER THAN MAIN BUS ENTRY

KEYED NOTES:

- CONSTRUCT STANDARD CURB AND GUTTER PER C.O.A. STANDARD DRAWING 2415.
- CONSTRUCT STANDARD ASPHALT EXTRUDED CURB PER C.O.A. STANDARD DRAWING 2415.
- NEW FIRE HYDRANT - SEE UTILITY PLAN & PROFILE.
- NOT USED.
- NOT USED.
- SEE CULVERT P&P SHEET FOR GRADING THIS AREA.
- SEE SITE GRADING PLAN FOR GRADES IN THIS AREA.
- CONCRETE VALLEY GUTTER PER C.O.A. STANDARD DRAWING 2420 AND DATA PROVIDED ON THIS SHEET.
- CONSTRUCT WHEEL CHAIR RAMP.
- CONSTRUCT TEMPORARY 2" ASPHALT CONCRETE SECTION PER DETAIL THIS SHEET IN FUTURE BUS ENTRANCE AREA.
- NOT USED.
- NEW STORM DRAIN INLET - SEE STORM DRAIN PLAN & PROFILES.
- NEW SANITARY SEWER MANHOLE - SEE UTILITY PLAN & PROFILES.
- NOT USED.
- INSTALL 55 LF OF CHAINLINK FENCE PER C.O.A. STANDARD DRAWING 2252.
- INSTALL 330 LF OF 4" DOUBLE SOLID YELLOW REFLECTORIZED PLASTIC PAVEMENT MARKINGS.

CURVE DATA

NO.	DELTA	RADIUS	LEN.	TAN.
C2	73°54'08"	650.00	838.39	488.94
C10	92°23'25"	39.69	64.00	41.38
C11	81°22'44"	40.00	56.81	34.39
C12	93°37'02"	25.00	40.85	26.63
C13	63°39'17"	25.00	27.78	15.52
C14	117°50'14"	5.00	10.28	8.30

SCALE: 1" = 20'

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SI-C-108

Smith Engineering Company
A Full Service Engineering Company

100300

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAMTITLE: WEST SIDE TRANSIT FACILITY
DAYTONA RD PAVING P&P: STA 23+60 TO STA 28+20

Design Review Committee

City Engineer Approval

Last Design Update

No. / Day / Yr.

No. / Day / Yr.

City Project No.

5658.01

Zone Map No.

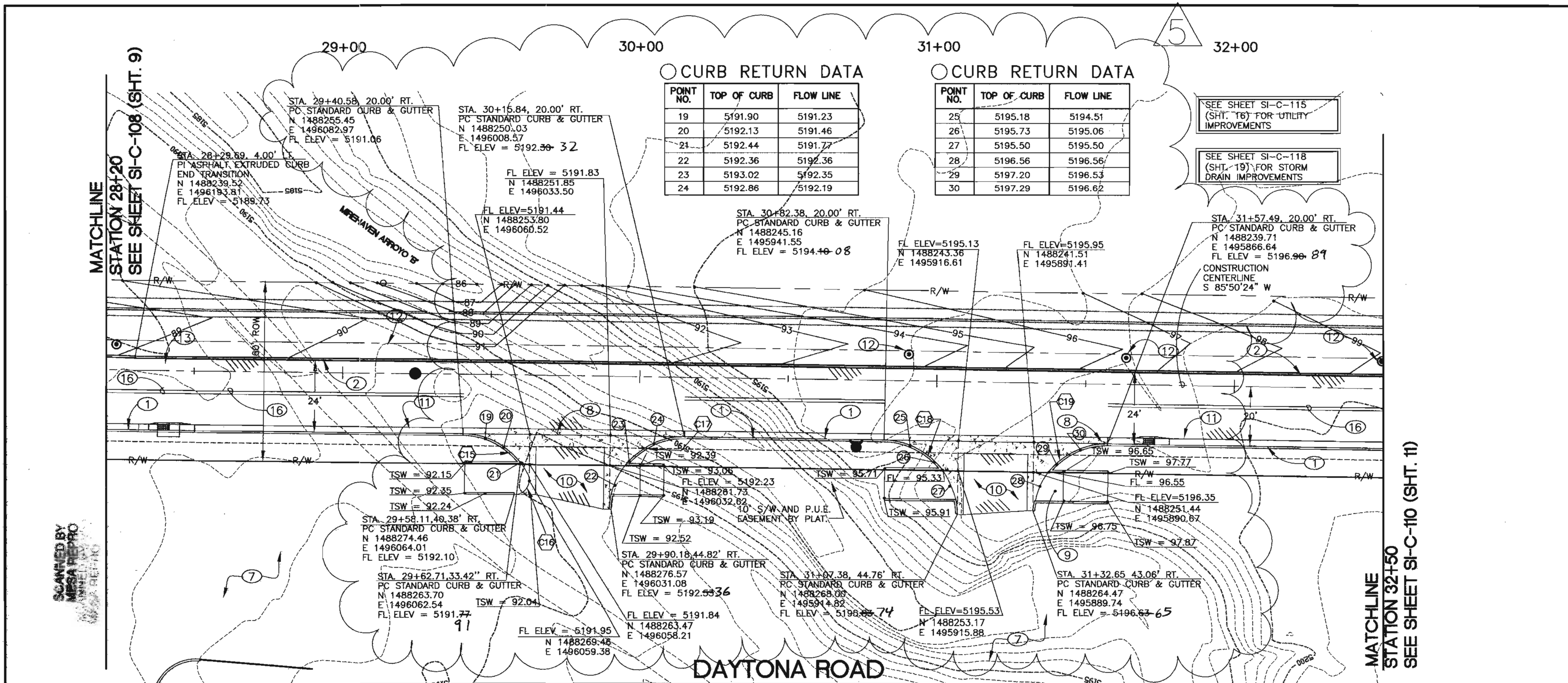
J-9-Z

Sheet

9

Of

61



KEYED NOTES:

- CONSTRUCT STANDARD CURB AND GUTTER PER C.O.A. STANDARD DRAWING 2415.
- CONSTRUCT STANDARD ASPHALT EXTRUDED CURB PER C.O.A. STANDARD DRAWING 2415.
- NOT USED
- NOT USED
- NOT USED
- NOT USED
- SEE SITE GRADING PLAN FOR GRADES THIS AREA.
- INSTALL CONCRETE VALLEY GUTTER PER C.O.A. STANDARD DRAWING 2420 AND DATA PROVIDED ON THIS SHEET.
- CONSTRUCT WHEEL CHAIR RAMP PER DETAIL ON SHEET 39.
- CONSTRUCT TEMPORARY 2" ASPHALT CONCRETE SECTION PER DETAIL SHEET 24 IN FUTURE BUS ENTRANCE AREA.
- NEW STORM DRAIN INLET - SEE STORM DRAIN PLAN & PROFILES.
- NEW STORM DRAIN MANHOLE - SEE STORM DRAIN PLAN & PROFILES.
- NEW SANITARY SEWER MANHOLE - SEE UTILITY PLAN & PROFILES.
- NOT USED
- NOT USED
- INSTALL 363 LF OF 4" DOUBLE SOLID YELLOW REFLECTORIZED PLASTIC PAVEMENT MARKINGS.

CURVE DATA

NO.	DELTA	RADIUS	LEN.	TAN.
C15	62°08'59"	25.00	27.12	15.07
C16	117°50'50"	5.00	10.28	8.30
C17	90°00'00"	25.00	39.27	25.00
C18	94°09'30"	25.00	41.08	26.88
C19	85°50'51"	25.00	37.46	23.25

ENGINEERS SEAL

DESIGNED BY: PJC DATE: 4/02
DRAWN BY: EAD DATE: 4/02
CHECKED BY: PJC DATE: 4/02

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
TITLE: WEST SIDE TRANSIT FACILITY
DAYTONA RD PAVING P&P: STA 28+20 TO STA 32+50

City Project No. 5658.01 Zone Map No. J-9-Z Sheet 10 of 61

33+00

34+00

35+00

○ CURB RETURN DATA

POINT NO.	TOP OF CURB	FLOW LINE
31	02.03	01.36
32	02.51	01.84
33	02.81	02.14
34	03.36	02.86
35	02.69	02.69
36	03.23	02.56

SEE SHEET SI-C-116
(SHT. 17) FOR UTILITY
IMPROVEMENTS

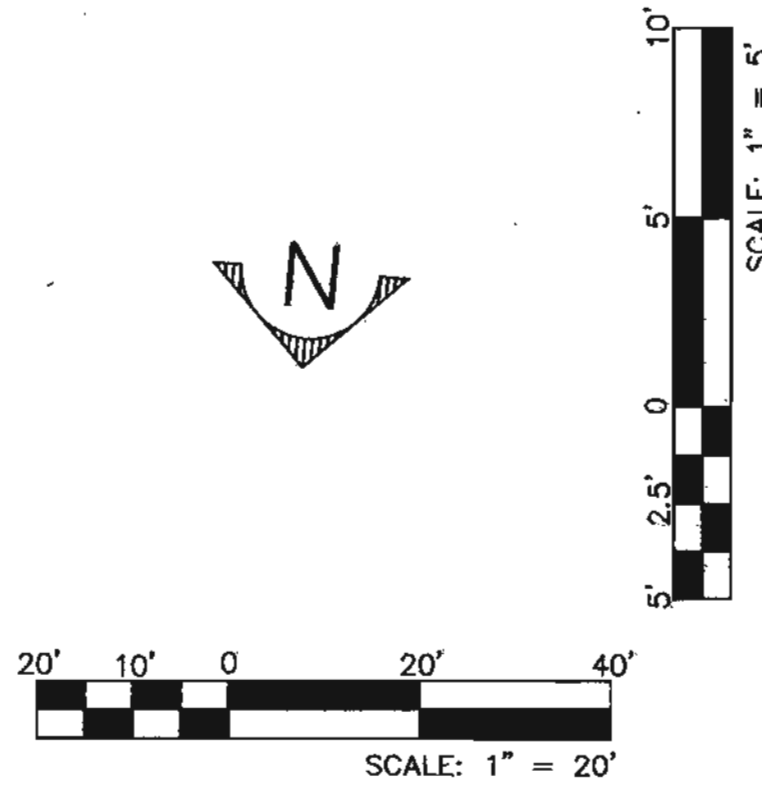
SEE SHEET SI-C-119
(SHT. 20) FOR STORM
DRAIN IMPROVEMENTS

○ KEYED NOTES:

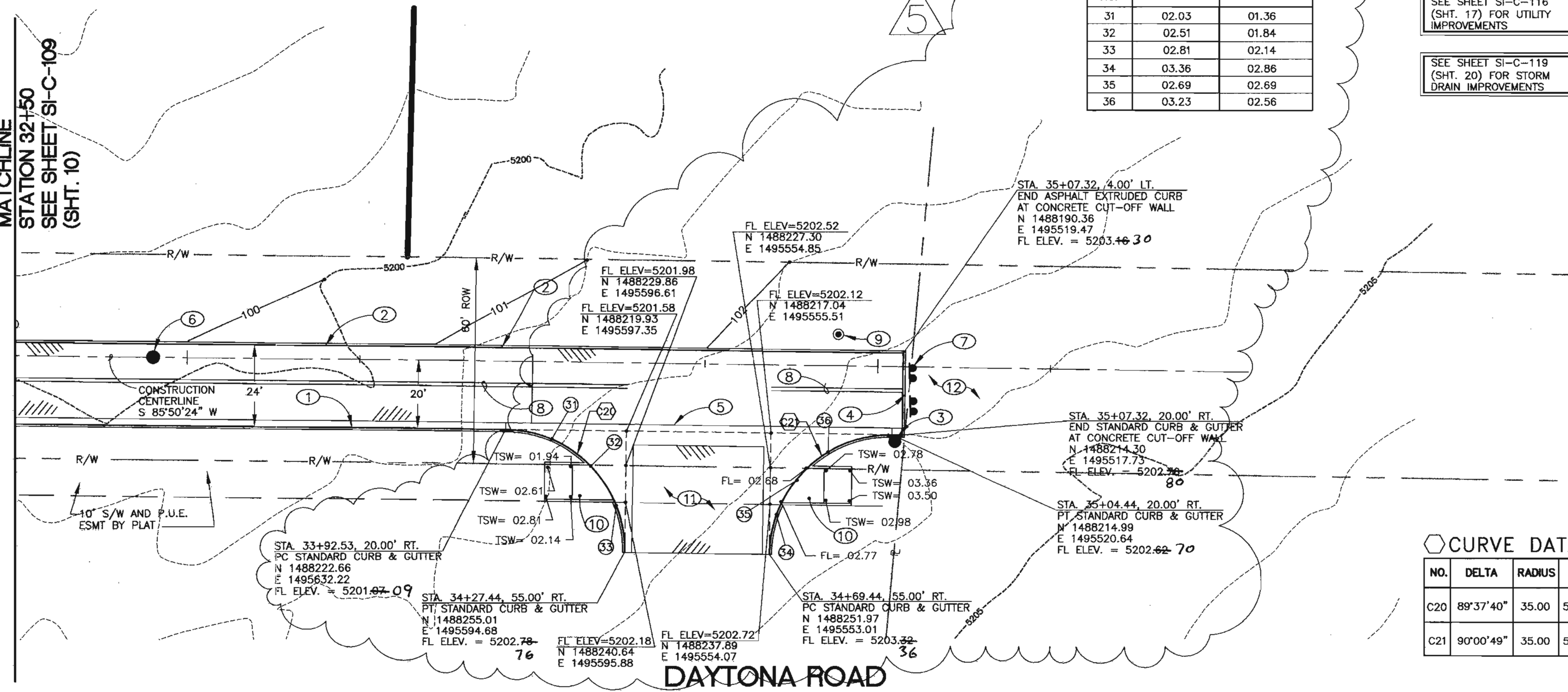
1. CONSTRUCT STANDARD CURB AND GUTTER PER C.O.A. STANDARD DRAWING 2415.
2. CONSTRUCT STANDARD ASPHALT EXTRUDED CURB PER C.O.A. STANDARD DRAWING 2415.
3. NEW FIRE HYDRANT - SEE UTILITY PLAN AND PROFILE.
4. CONSTRUCT CONCRETE CUT-OFF WALL PER C.O.A. STANDARD DRAWING 2415.
5. CONCRETE VALLEY GUTTER PER C.O.A. STANDARD DRAWING 2420 AND DATA PROVIDED ON THIS SHEET.
6. NEW SANITARY SEWER MANHOLE - SEE UTILITY PLAN & PROFILES.
7. INSTALL 2-CITY OF ALBUQUERQUE TYPE III BARRICADES WITH R11-2 SIGN ON EACH BARRICADE.
8. INSTALL 212 LF OF 4" DOUBLE SOLID YELLOW REFLECTORIZED PLASTIC PAVEMENT MARKINGS.
9. NEW STORM DRAIN MANHOLE - SEE STORM PLAN & PROFILES.
10. CONSTRUCT WHEEL CHAIR RAMP PER DETAIL ON SHEET 39.
11. CONSTRUCT TEMPORARY 2" ASPHALT CONCRETE SECTION PER DETAIL SHEET 24 IN FUTURE BUS ENTRANCE AREA.
12. GRADE WEST 20' TO MATCH EXISTING GROUND ELEVATION FROM CUT OFF CURB.

○ CURVE DATA

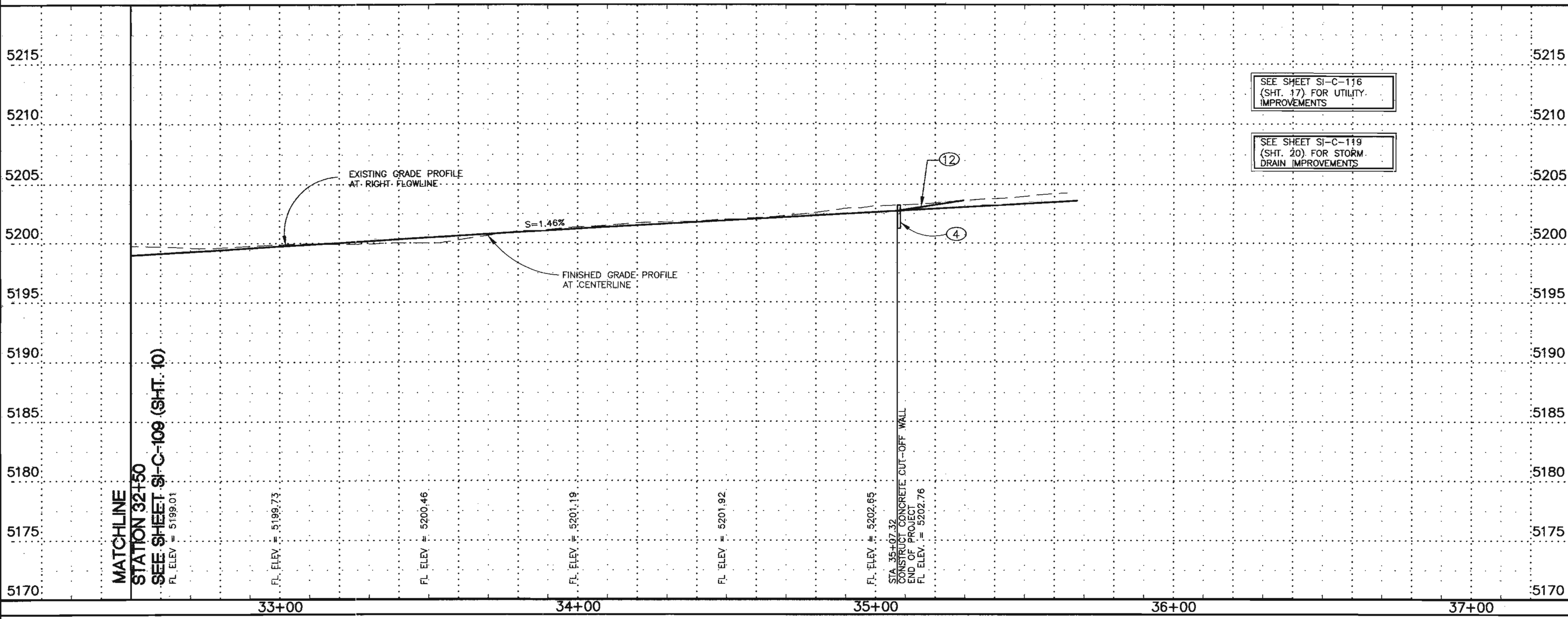
NO.	DELTA	RADIUS	LEN.	TAN.
C20	89°37'40"	35.00	54.75	34.77
C21	90°00'49"	35.00	54.99	35.01



MATCHLINE
STATION 32+50
SEE SHEET SI-C-109
(SHT. 10)



DAYTONA ROAD

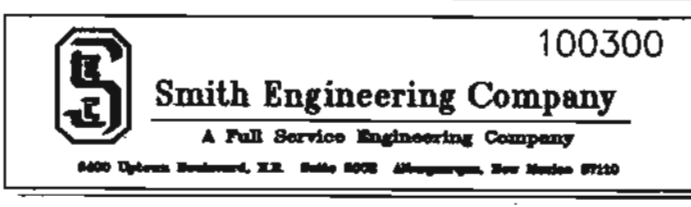


SEE SHEET SI-C-116
(SHT. 17) FOR UTILITY
IMPROVEMENTS

SEE SHEET SI-C-119
(SHT. 20) FOR STORM
DRAIN IMPROVEMENTS



SI-C-110



CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
TITLE: WEST SIDE TRANSIT FACILITY
DAYTONA RD PAVING P&P: STA 32+50 TO STA 35+07.32

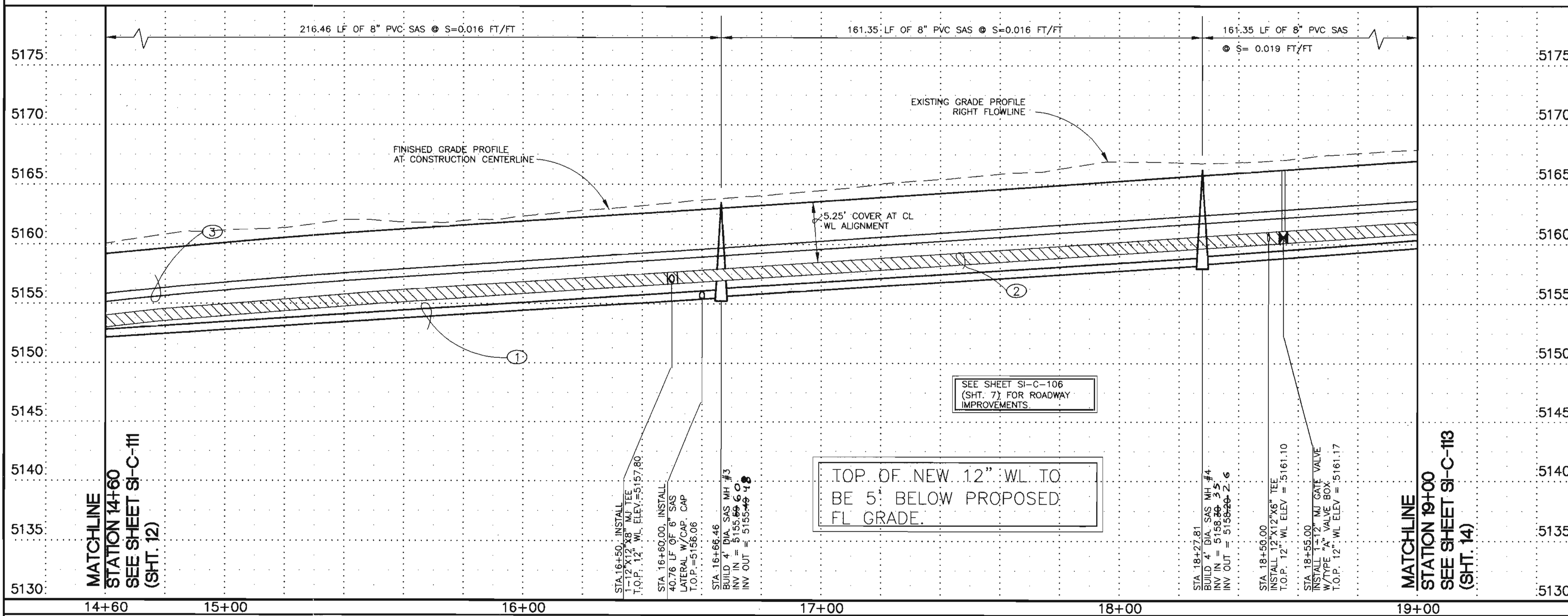
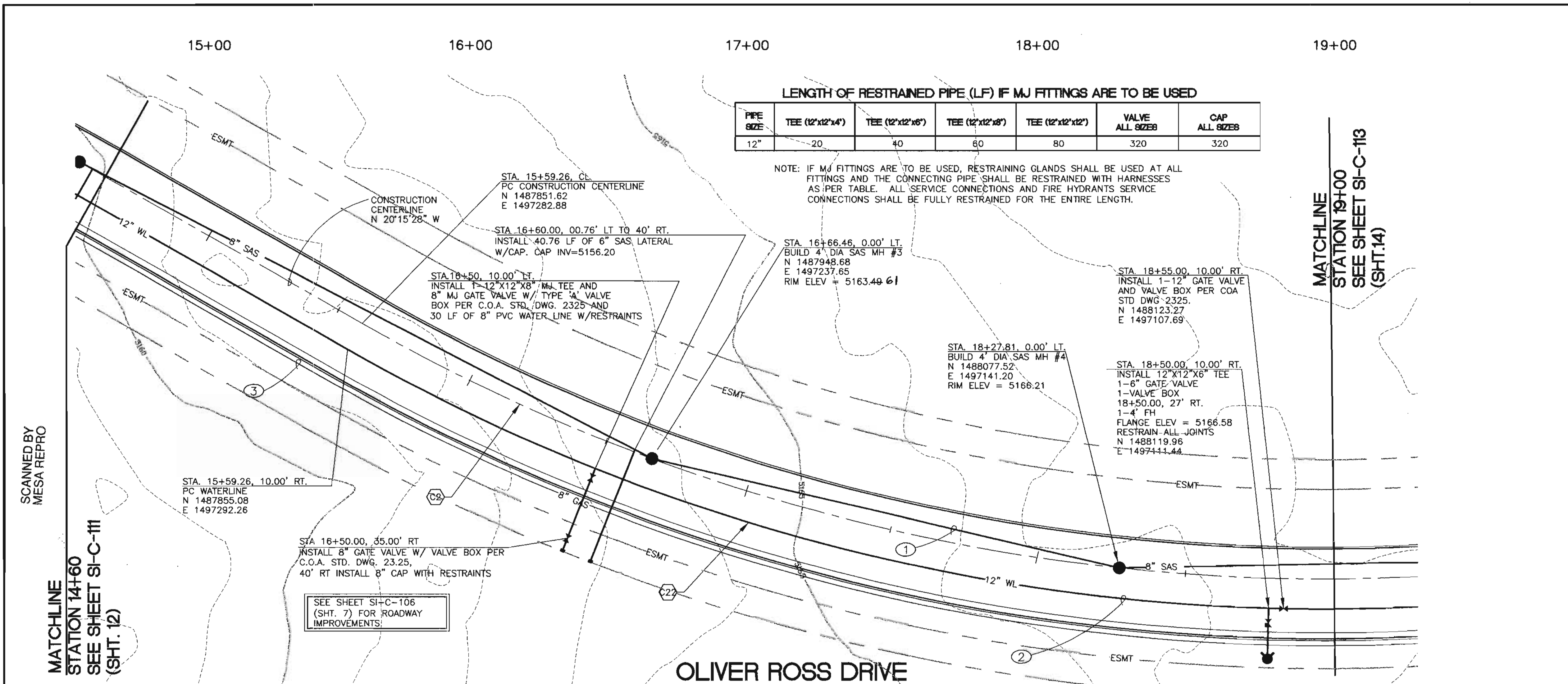
Design Review Committee

City Engineer Approval

Last Design Update

No.	Day	Yr.	No.	Day	Yr.
1	10/1	02	2	10/1	02
3	10/1	02	4	10/1	02
5	10/1	02	6	10/1	02

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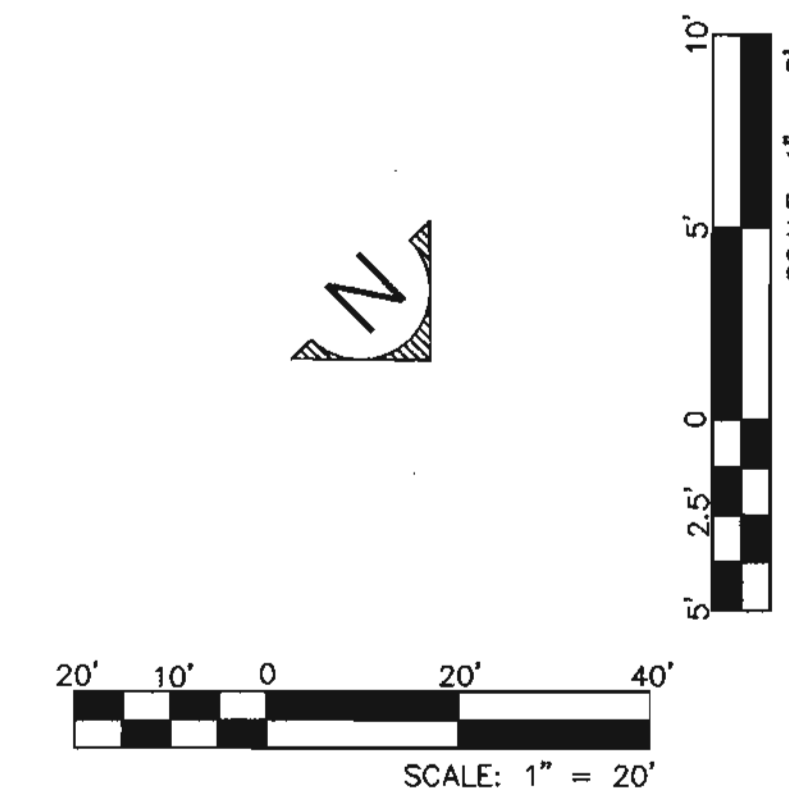


KEYED NOTES:

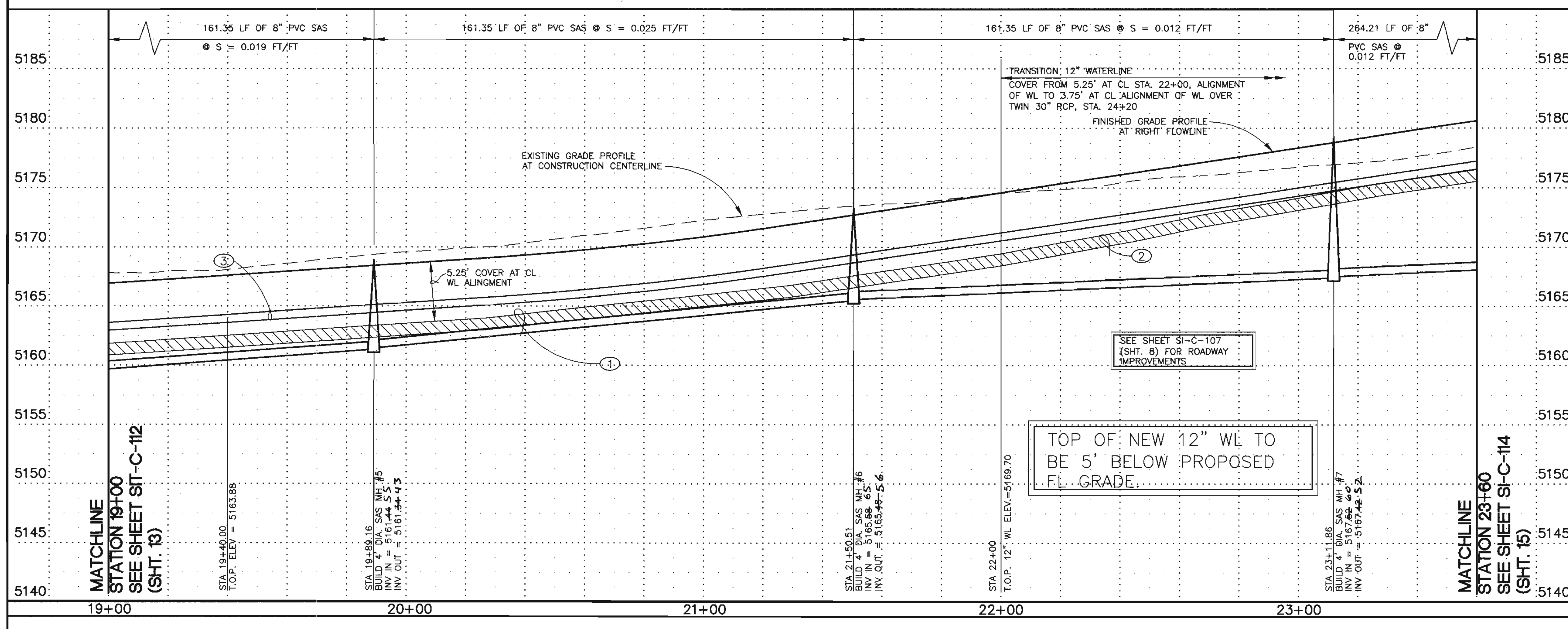
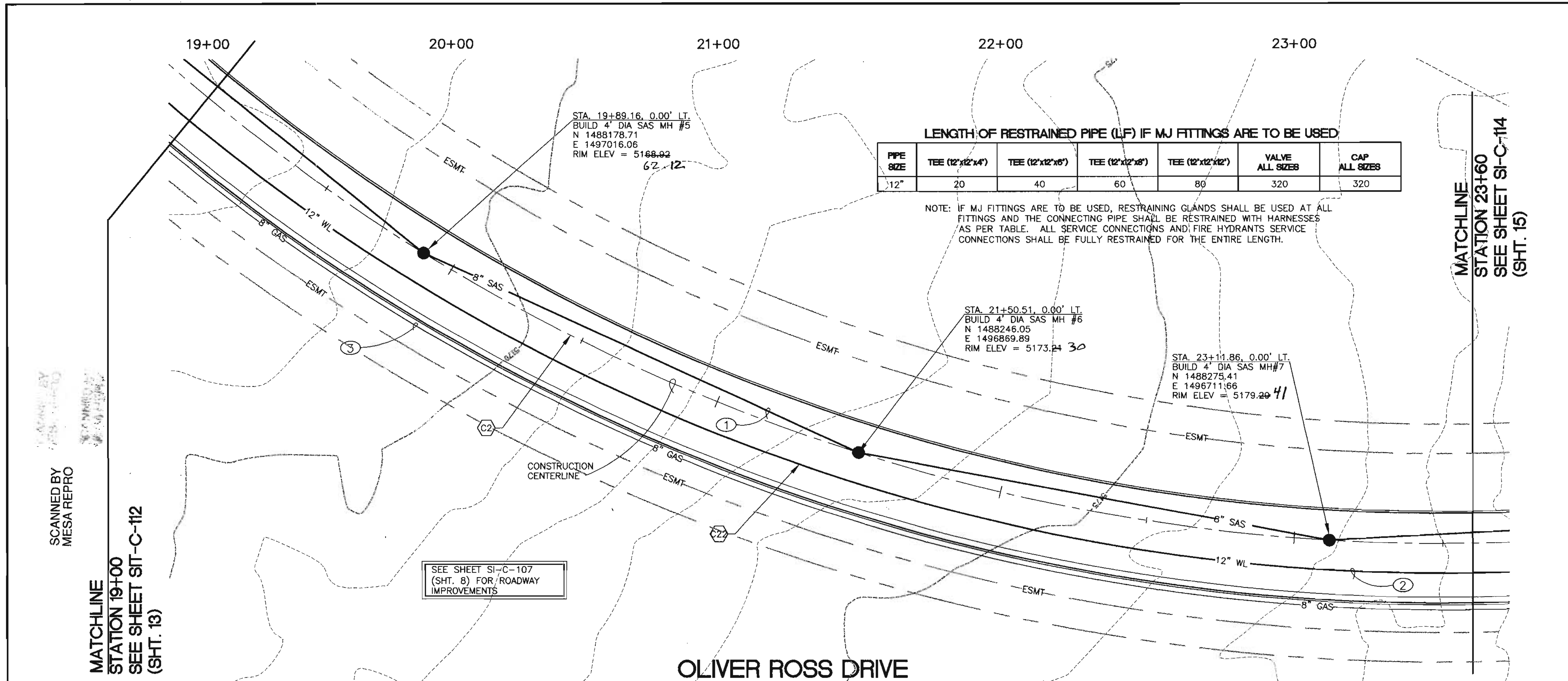
- NEW 8" PVC SANITARY SEWER LINE.
- NEW 12" PVC WATERLINE.
- NEW 8" HIGH PRESSURE GAS LINE
TO BE INSTALLED BY PNM GAS
2' IN BACK OF CURB. CONTRACTOR
TO COORDINATE WITH PNM FOR
INSULATION OF NEW GAS LINE.

CURVE DATA

NO.	DELTA	RADIUS	LEN.	TAN.
C2	73°54'08"	650.00	838.39	488.94
C22	73°54'08"	660.00	851.29	496.46



DWL ARCHITECTS DWL ARCHITECTS & PLANNERS, INC. 202 CENTRAL AVE. S.E. WEST COURTYARD ALBUQUERQUE, NEW MEXICO 87102 FAX (505) 242-4159 VOICE (505) 242-6202 E-MAIL DWL@DWL56.COM		Smith Engineering Company A Full Service Engineering Company 6400 Optima Boulevard, N.E. Suite 6000 Albuquerque, New Mexico 87110	
CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM			
TITLE: WEST SIDE TRANSIT FACILITY			
OLIVER ROSS DR. UTILITY P&P: STA 14+60 TO STA 19+00			
Design Review Committee	City Engineer Approval	Last Design Update	
City Project No. 5658.01		Zone Map No. J-9-Z	Sheet 13 OF 61

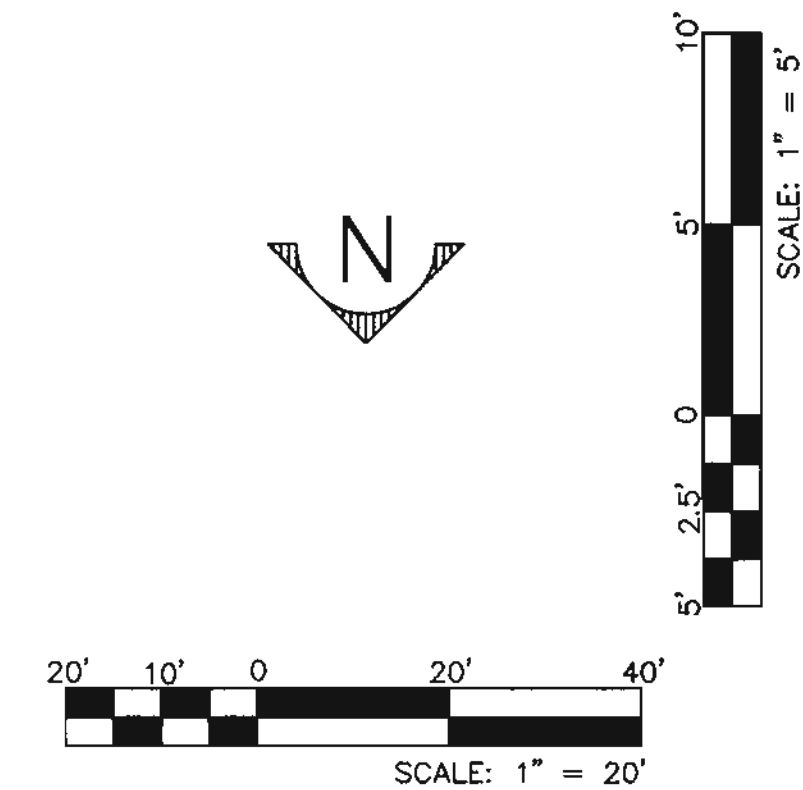


KEYED NOTES:

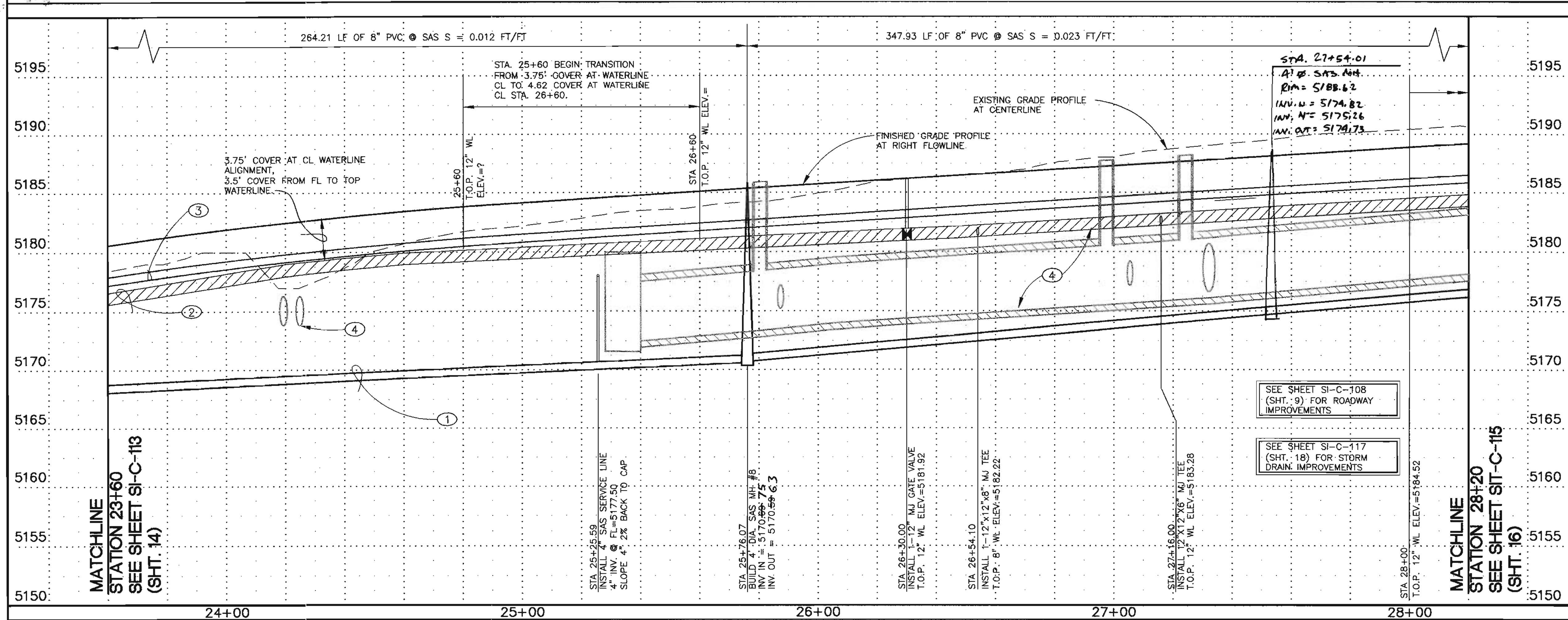
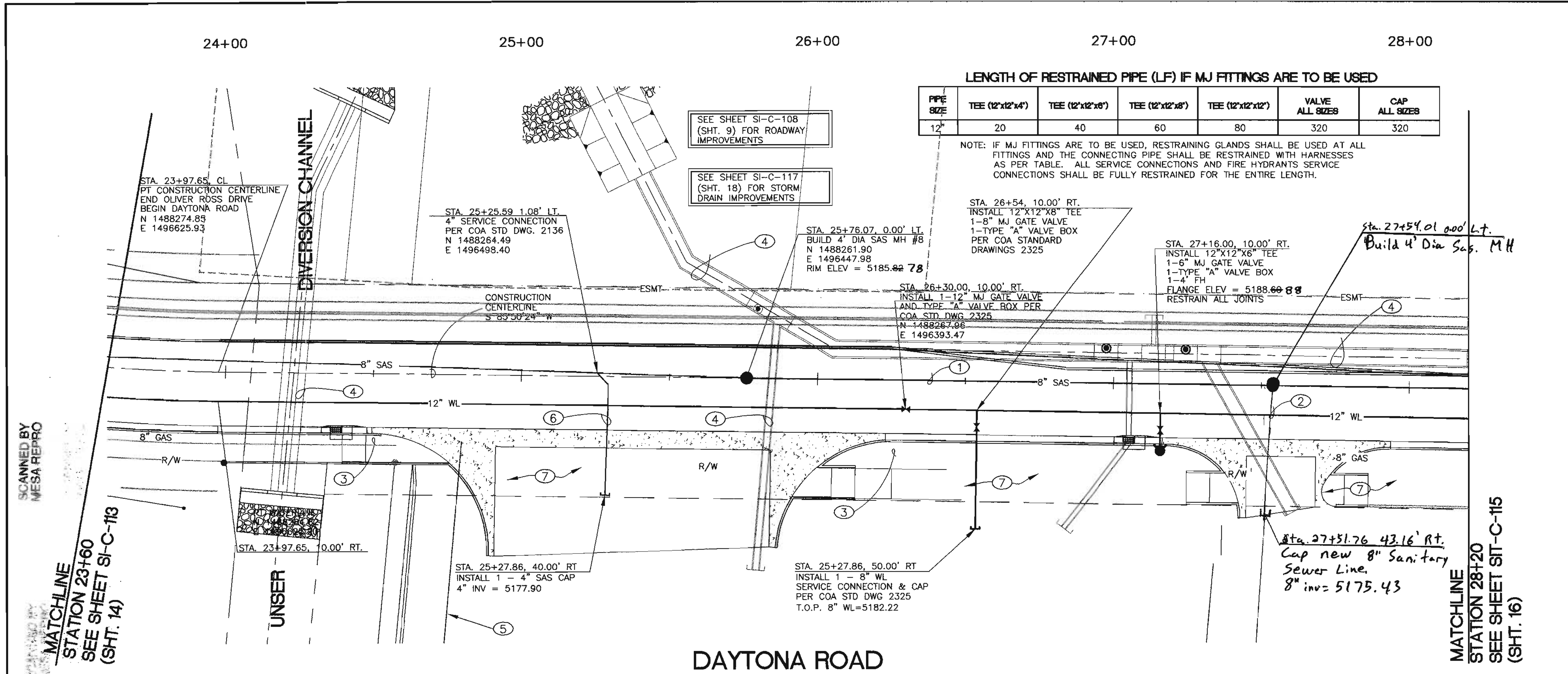
- NEW 8" PVC SANITARY SEWER LINE.
- NEW 12" PVC WATERLINE.
- NEW 8" HIGH PRESSURE GAS LINE TO BE INSTALLED BY PNM GAS 2' IN BACK OF CURB. CONTRACTOR TO COORDINATE WITH PNM FOR INSULATION OF NEW GAS LINE.

CURVE DATA

NO.	DELTA	RADIUS	LEN.	TAN.
C2	73°54'08"	650.00	838.39	488.94
C22	73°54'08"	660.00	851.29	496.46



DWL ARCHITECTS DWL ARCHITECTS & PLANNERS, INC. OF NEW MEXICO 202 CENTRAL AVE. S.E. WEST COURTYARD ALBUQUERQUE, NEW MEXICO 87102 FAX (505) 242-4159 VOICE (505) 242-6202 E-MAIL DWLNN@RT66.COM		SI-C-113	
Smith Engineering Company A Full Service Engineering Company 8000 Optima Boulevard, N.E. Suite 9000 Albuquerque, New Mexico 87110		100300	
CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM			
TITLE: WEST SIDE TRANSIT FACILITY			
OLIVER ROSS DR. UTILITY P&P: STA 19+00 TO STA 23+60			
Design Review Committee	City Engineer Approval	Last Design Update	
City Project No. 5658.01		Zone Map No. J-9-Z	Sheet 14 of 61

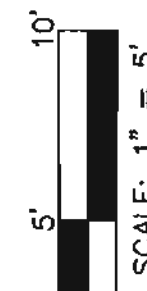
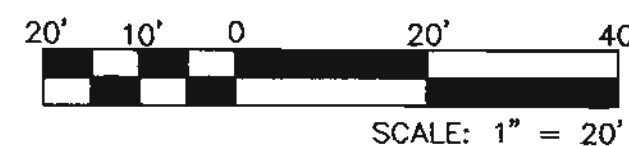


KEYED NOTES:

- NEW 8" PVC SANITARY SEWER LINE.
- NEW 12" PVC WATERLINE.
- NEW 8" HIGH PRESSURE GAS LINE
TO BE INSTALLED BY PNM GAS.
MINIMUM OF 3' OF COVER.
- STORM DRAIN SYSTEM - SEE SHEET
SI-C-117 (SHT. 17) FOR STORM
DRAIN PLAN & PROFILES.
- HIGH PRESSURE GAS LINE TO SITE
TO BE INSTALLED BY PNM GAS.
- INSTALL 4" SAS SERVICE LINE PER
COA STD DWG 2136, "B".
- 10' S/W ESMT AND P.U.E. BY PLAT.

CURVE DATA

NO.	DELTA	RADIUS	LEN.	TAN.
C2	73°54'08"	650.00	838.39	488.94
C22	73°54'08"	660.00	851.29	496.46



DWL ARCHITECTS
& PLANNERS, INC.
OF NEW MEXICO

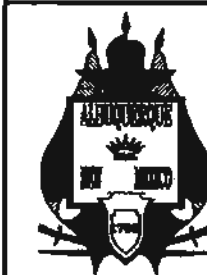
202 CENTRAL AVE. S.E.
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87102

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E-MAIL DWLNM@RT66.COM

SI-C-114



100300
Smith Engineering Company
A Full Service Engineering Company
4000 Olympic Boulevard, N.E. Suite 2000 Albuquerque, New Mexico 87110



CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM

TITLE: WEST SIDE TRANSIT FACILITY
DAYTONA RD UTILITY P&P: STA 23+60 TO STA 28+20

Design Review Committee

City Engineer Approval

Last Design Update

No.	Day	Yr.	No.	Day	Yr.
1	10/1	01	1	10/1	01
2	10/1	01	2	10/1	01
3	10/1	01	3	10/1	01
4	10/1	01	4	10/1	01
5	10/1	01	5	10/1	01

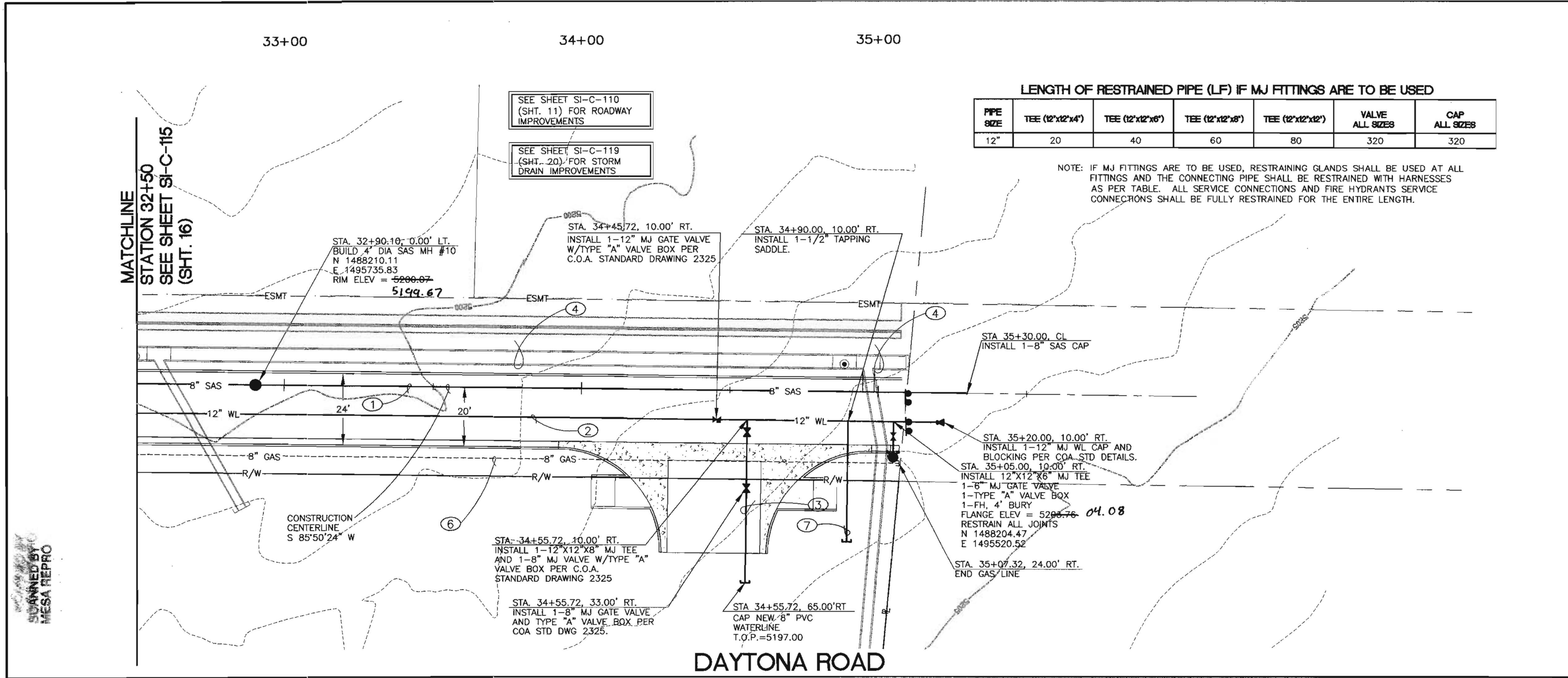
City Project No.

5658.01

Zone Map No.
J-9-Z

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61

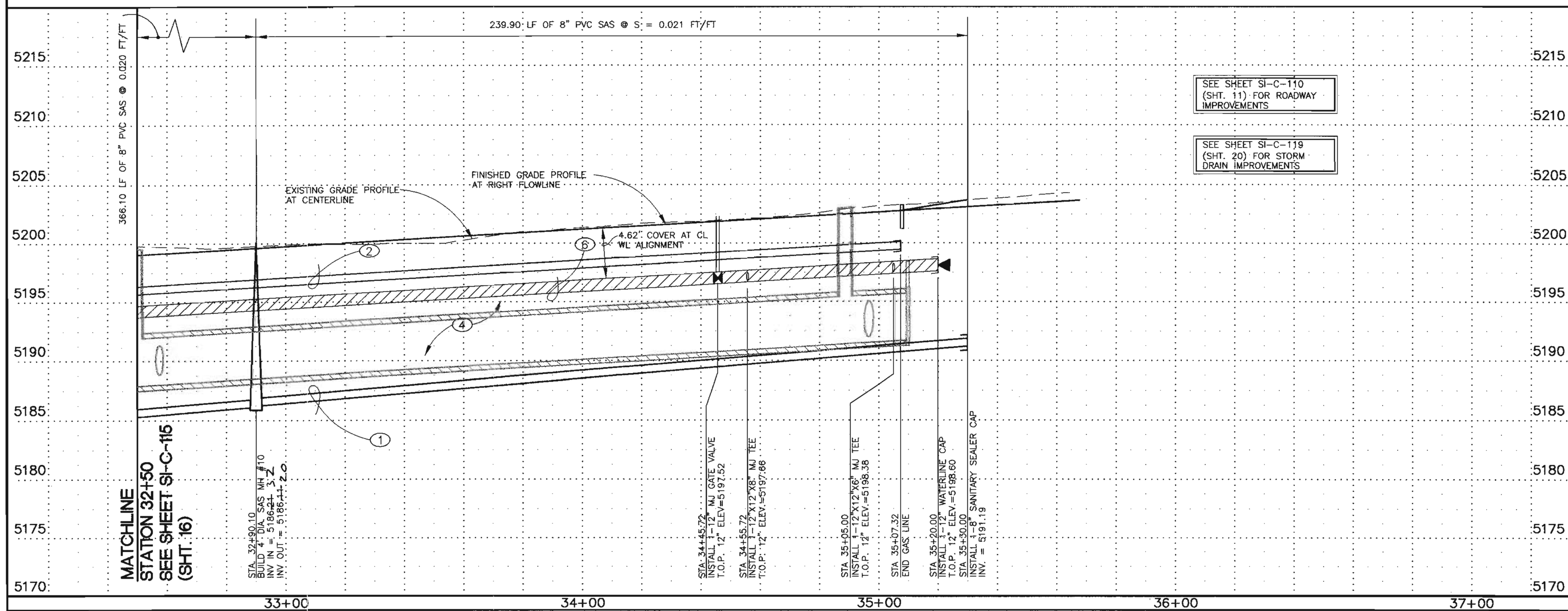
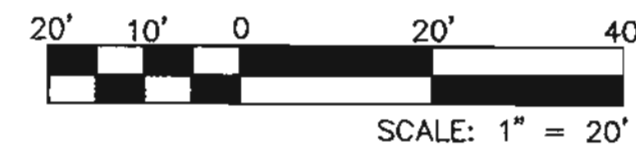


LENGTH OF RESTRAINED PIPE (LF) IF MJ FITTINGS ARE TO BE USED						
PIPE SIZE	TEE (12"x12"x4')	TEE (12"x12"x6')	TEE (12"x12"x8')	TEE (12"x12"x12')	VALVE ALL SIZES	CAP ALL SIZES
12"	20	40	60	80	320	320

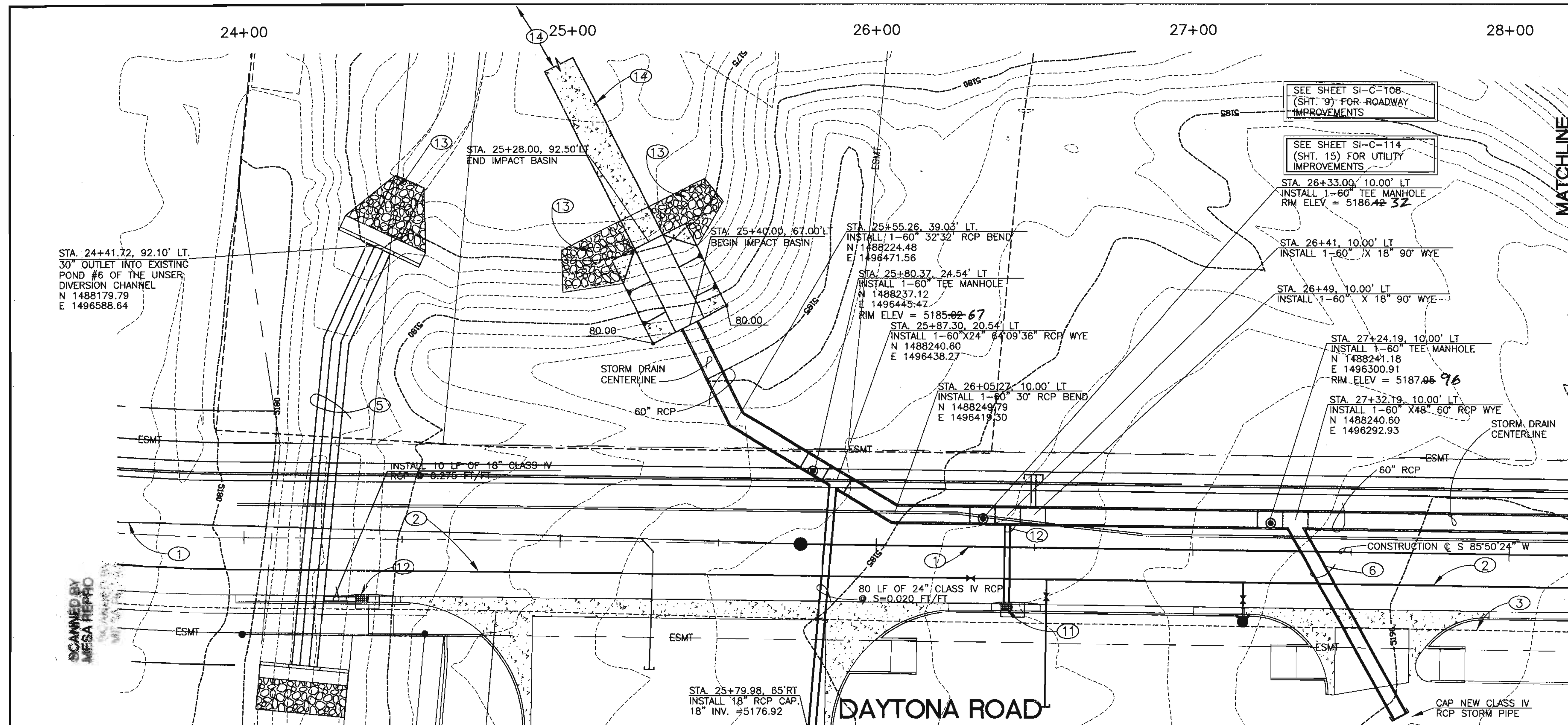
NOTE: IF MJ FITTINGS ARE TO BE USED, RESTRAINING GLANDS SHALL BE USED AT ALL FITTINGS AND THE CONNECTING PIPE SHALL BE RESTRAINED WITH HARNESSSES AS PER TABLE. ALL SERVICE CONNECTIONS AND FIRE HYDRANTS SERVICE CONNECTIONS SHALL BE FULLY RESTRAINED FOR THE ENTIRE LENGTH.

○ KEYED NOTES:

1. NEW 8" PVC SANITARY SEWER LINE.
2. NEW 12" PVC WATERLINE.
3. INSTALL 50 LF OF 8" PVC WATERLINE.
4. STORM DRAIN SYSTEM - SEE SHEET
SI-C-119 (SHT. 19) FOR STORM
DRAIN PLAN & PROFILES.
5. NOT USED.
6. NEW 8" HIGH PRESSURE GAS LINE
TO BE INSTALLED BY PNM GAS.
MINIMUM OF 3' OF COVER.
7. INSTALL 1-1/2" TYPE K COPPER
IRRIGATION LINE TO 5' BACK OF R/W.
CAP LINE.

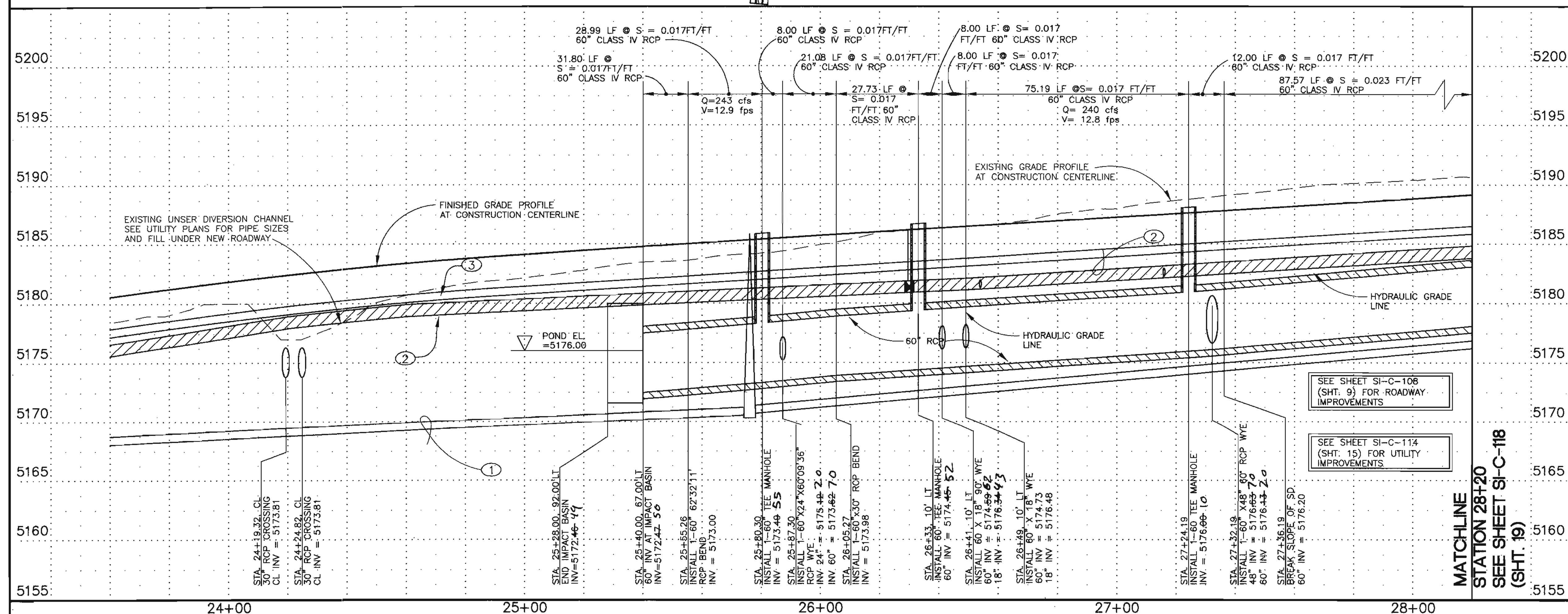
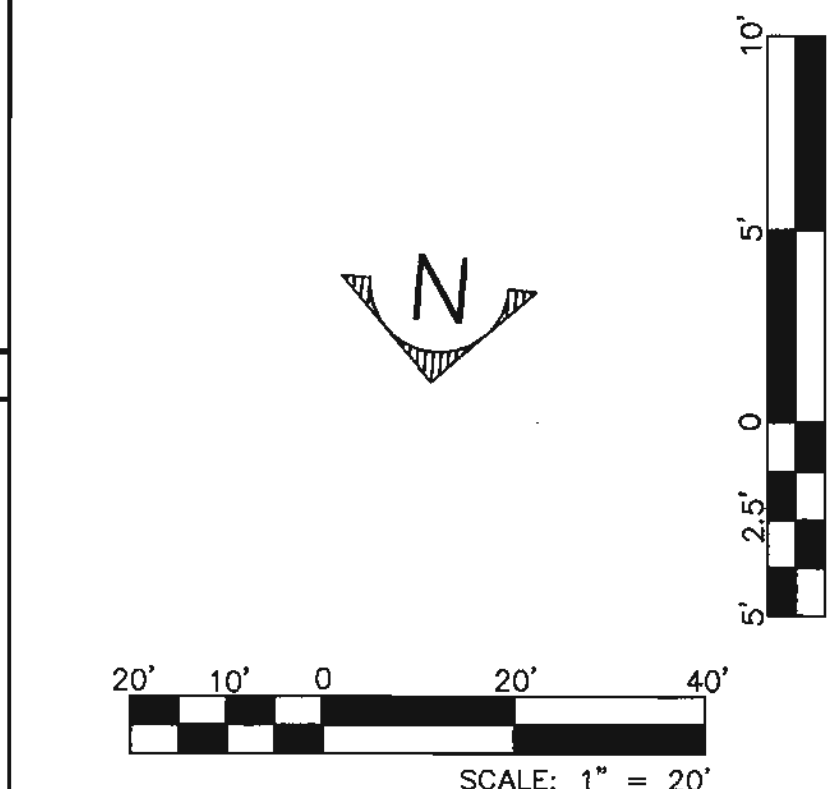


KEYED NOTES:		ENGINEERS SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION			
1. NEW 8" PVC SANITARY SEWER LINE. 2. NEW 12" PVC WATERLINE. 3. INSTALL 50 LF OF 8" PVC WATERLINE. 4. STORM DRAIN SYSTEM - SEE SHEET SI-C-119 (SHT. 19) FOR STORM DRAIN PLAN & PROFILES. 5. NOT USED. 6. NEW 8" HIGH PRESSURE GAS LINE TO BE INSTALLED BY PNM GAS. MINIMUM OF 3' OF COVER. 7. INSTALL 1-1/2" TYPE K COPPER IRRIGATION LINE TO 5' BACK OF R/W. CAP LINE.		N SCALE: 1" = 20'		10' 5' 0' 5' 10' SCALE: 1" = 5'		A.C.S. CONTROL MONUMENT "10-K10" ELEV. (NGVD 29) = 5,142.79' 3-1/4" AL. CAP IN CONC. CURB S.W. COR. UNSER & LOS VOLCANES N 1,487.056.22 ; E 357.375.04 DELTA ALPHA = -076.27" COMBINED FACTOR=0.999675701 (PROJECT)		CONTRACTOR C.C.M. Inc. WORK STARTED BY LSC DATE 3/24/02 ACCEPTANCE BY SEC DATE 3/24/02 VERIFICATION BY CMA DATE 3/24/02 DRAWINGS CHECKED BY PLS DATE 3/24/02 CORRECTED BY PLS DATE 3/24/02 RECORDED BY PLS DATE 3/24/02 NO. 11599		DATE 2000 BY STEVE TOLER NO. 11599	
20' 10' 0' 20' 40' SCALE: 1" = 20'		DWL ARCHITECTS & PLANNERS, INC. OF NEW MEXICO 202 CENTRAL AVE. S.E. WEST COURTYARD ALBUQUERQUE, NEW MEXICO 87102 FAX (505) 242-4159 VOICE (505) 242-6202 E-MAIL DWLNM@RT66.COM		DESIGNED BY PJC DATE 4/02 DRAWN BY EAD DATE 4/02 CHECKED BY PJC DATE 4/02		REVISIONS DESIGN		NO. DATE			
SI-C-116		3/4/02		SME		BY		DATE			
100300 Smith Engineering Company A Full Service Engineering Company 6000 Olympic Boulevard, N.E. Suite 200B Albuquerque, New Mexico 87113		CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM		TITLE: WEST SIDE TRANSIT FACILITY DAYTONA RD UTILITY P&P: STA 32+50 TO STA 35+12.07		DESIGNED BY PJC DATE 4/02 DRAWN BY EAD DATE 4/02 CHECKED BY PJC DATE 4/02		REVISIONS DESIGN			
Design Review Committee		City Engineer Approval		Last Design Update		No. / Day / Yr.		No. / Day / Yr.			
City Project No.		Zone Map No.		Sheet		Of		17			
5658.01		J-9-Z		17		61		3/4/02			



KEYED NOTES:

1. NEW 8" PVC SANITARY SEWER LINE - SEE UTILITY PLANS.
2. NEW 12" PVC WATERLINE - SEE UTILITY PLANS.
3. NEW 8" HIGH PRESSURE GAS LINE TO BE INSTALLED BY PNM GAS. MINIMUM OF 3' OF COVER.
4. NOT USED.
5. INSTALL 110 LF OF TWIN 30" RCP CLASS IV SEE CULVERT P&P SHEET.
6. INSTALL 64 LF 48" CLASS IV RCP @ S=0.020 FT/FT. 48" INVERT AT CAP.=5177.97
7. CONCRETE HEADWALL 'C', SEE DETAIL ON SHEET 39.
8. INSTALL 7.5 CY OF RIP-RAP PER DETAIL ON SHEET 39.
9. CULVERT HEADWALL AND RIP-RAP. SEE SHEET 39.
10. NOT USED.
11. STA. 26+41.00 RT. INSTALL 1-TYPE "A" C.O.A. STORM DRAIN INLET PER C.O.A. STANDARD DRAWING 2201 GRATE ELEV.=5185.23 : E 357.375.04 18" INV = 5176.82
12. INSTALL 24 LF 18" CLASS IV RCP
13. DUMPED RIP-RAP, TYPE M, 2'-0" THICK, SEE DETAIL SHEET 38.
14. CONSTRUCT 6" THICK, 10'-0" WIDE LOW FLOW CHANNEL. SLOPE TO BE DETERMINED IN FIELD COORDINATE WITH ENGINEER. CONNECT CHANNEL TO EXISTING CHANNEL. (EXISTING CHANNEL NOT SHOWN)



DWL ARCHITECTS
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VOICE (505) 242-8202
E-MAIL DWL@DWL66.COM

Smith Engineering Company
A Full Service Engineering Company
6000 Uptown Southwest, N.E. Suite 8000 Albuquerque, New Mexico 87110

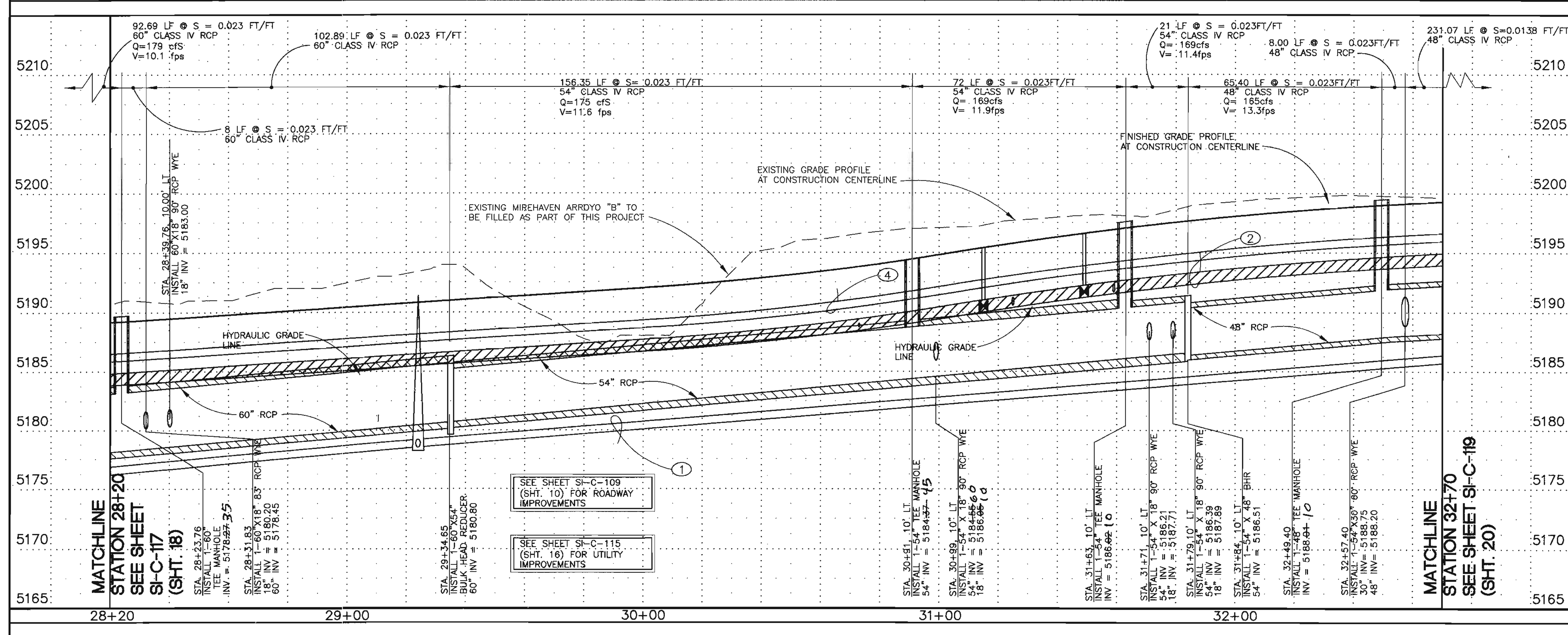
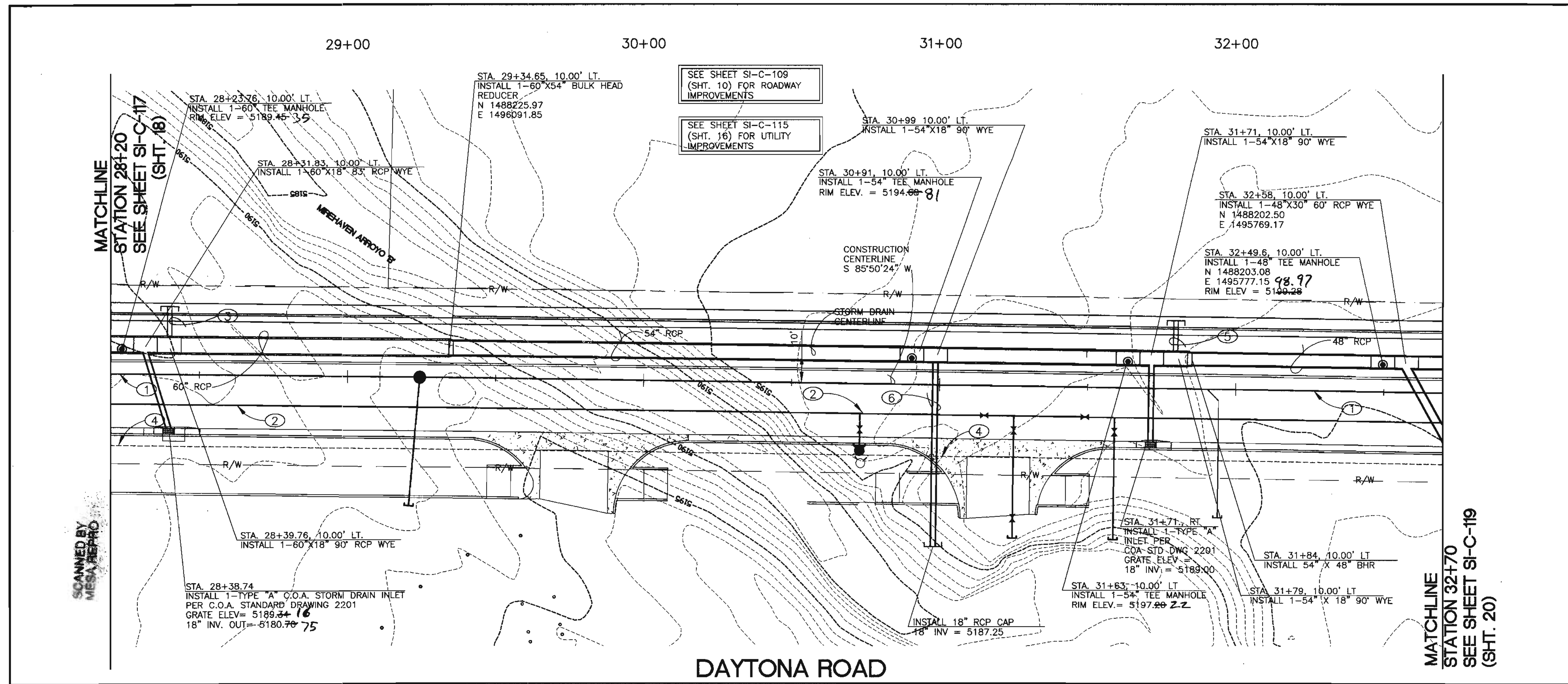
CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
TITLE: **WEST SIDE TRANSIT FACILITY**
DAYTONA RD SD P&P: STA 23+60 TO STA 28+20

NO.	DATE	REVISIONS
1	4/02	DESIGN
2	4/02	
3	4/02	

DESIGNED BY	PIC	DATE
DRWN BY	EAD	4/02
CHECKED BY	PIC	4/02

Design Review Committee	City Engineer Approval
Last Design Update	No. / Day / Yr.

City Project No. **5658.01** Zone Map No. **J-9-Z** Sheet **18** Of **61**



KEYED NOTES:

1. NEW 8" PVC SANITARY SEWER LINE - SEE UTILITY PLANS.
2. NEW 12" PVC WATERLINE - SEE UTILITY PLANS.
3. INSTALL 8 LF OF 18" RCP (IV) AT S=0.020 FT/FT. INSTALL RCP CAP AT END OF PIPE.
4. NEW 8" HIGH PRESSURE GAS LINE TO BE INSTALLED BY PNM GAS. MINIMUM OF 3' OF COVER.
5. INSTALL 8 LF OF 18" RCP (IV) AT S=0.020 FT/FT. INSTALL RCP CAP AT END OF PIPE.
6. INSTALL 60 LF OF 18" RCP (IV) AT S=0.020 FT/FT.

AS BUILT INFORMATION

CONTRACTOR	C.C.M. INC.
DATE	11/15/99
REVISION	
DATE	
REVISION	
DATE	
REVISION	
DATE	
REVISION	
DATE	
REVISION	
DATE	
REVISION	

BENCH MARKS

A.C.S. CONTROL MONUMENT "10-K10"	ELEV. (NGVD 29) = 5142.79'
3-1/4" AL. CAP IN CONC. CURB	S.W. COR. UNSER & LOS VOLCANES
N 1,487,056.22 ; E 357,375.04	DELTA ALPHA = -016.27'
COMBINED FACTOR = 0.999675701 (PROJECT)	

SURVEY INFORMATION

NO.	11599
DATE	2000
BY	STEVE TOLER
NO.	
DATE	
BY	
NO.	
DATE	
BY	
NO.	
DATE	
BY	

ENGINEERS SEAL

PAUL J. CONLEY
REGISTERED PROFESSIONAL ENGINEER
NEW MEXICO
10141
3/22/03

REVISIONS

NO.	DATE	REVISIONS
1	4/02	DESIGN
2	4/02	DESIGN
3	4/02	DESIGN

**CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM**

TITLE: **WEST SIDE TRANSIT FACILITY
DAYTONA RD SD P&P: STA 28+20 TO STA 32+50**

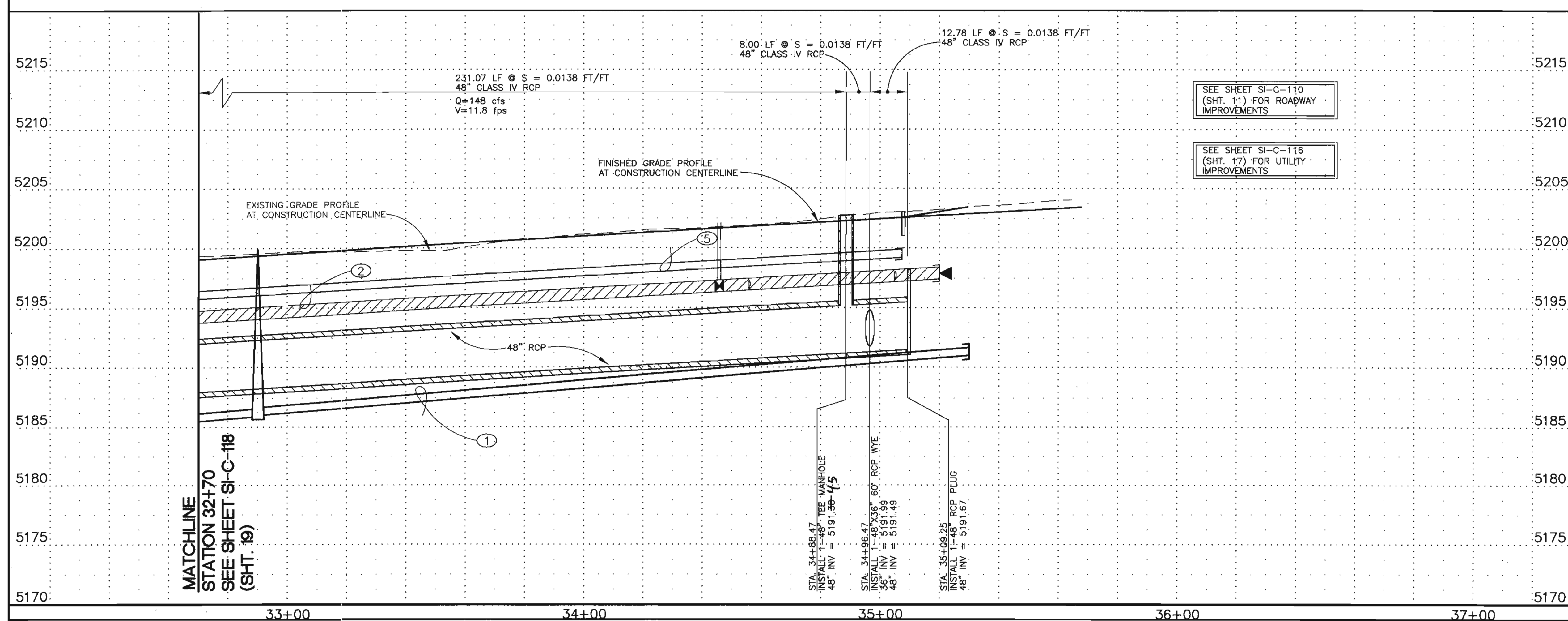
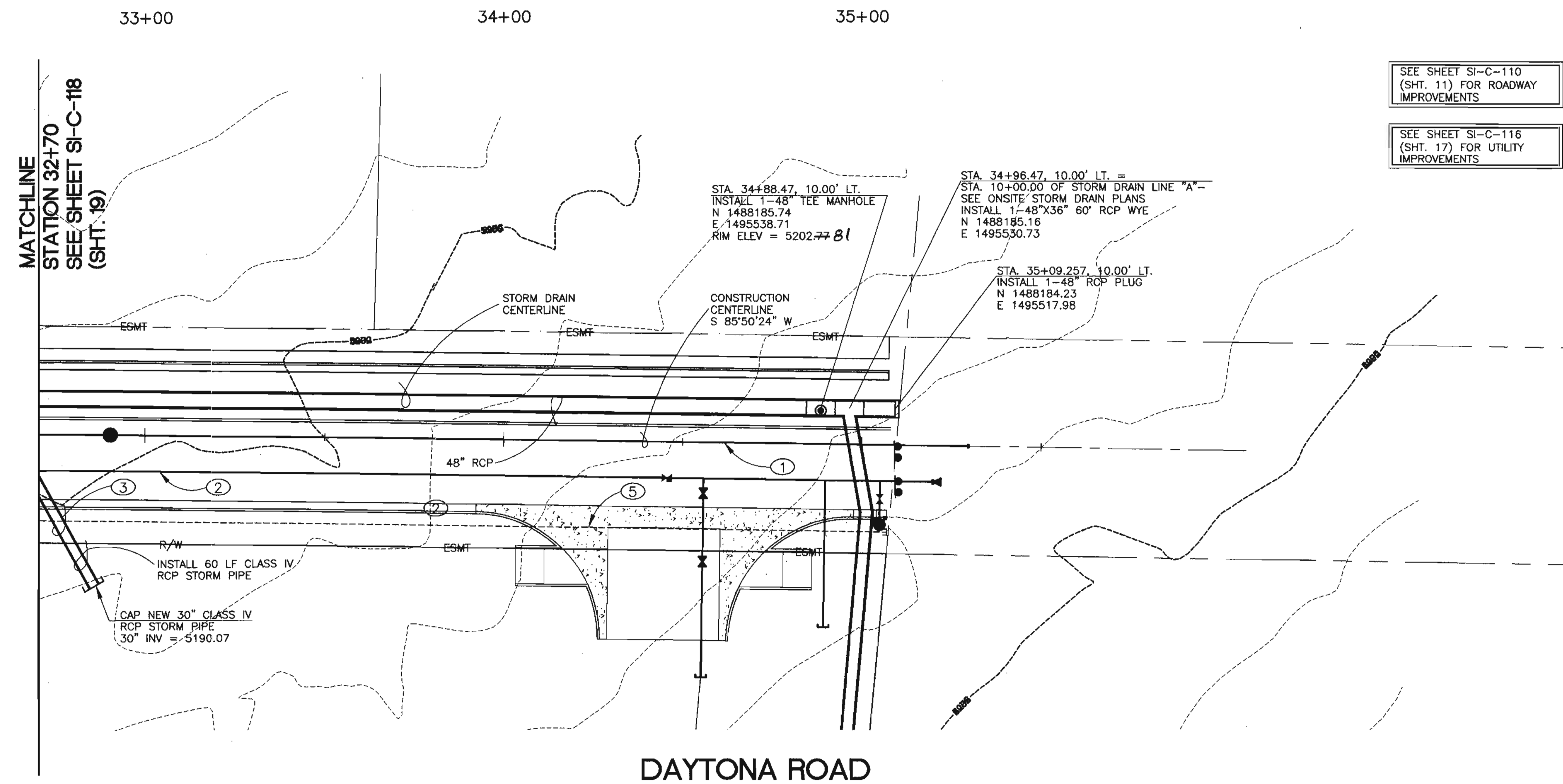
Design Review Committee

Design Review Committee	City Engineer Approval
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City Project No. 5658.01

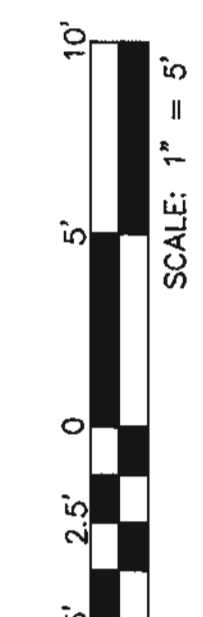
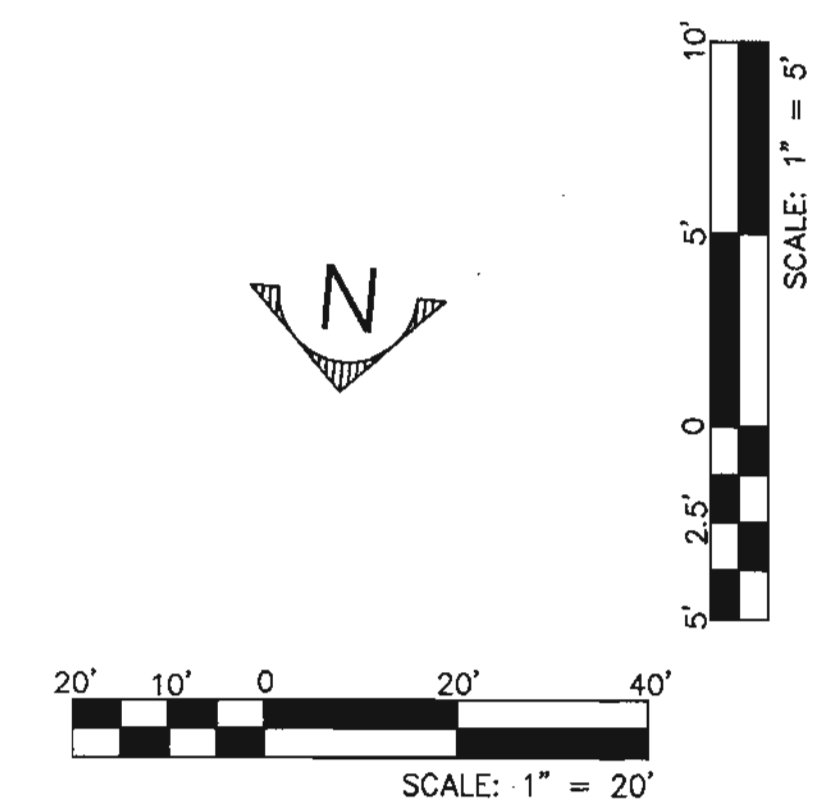
Zone Map No. J-9-Z

Sheet 19 **Of** 61



○ KEYED NOTES:

1. NEW 8" PVC SANITARY SEWER LINE - SEE UTILITY PLANS.
2. NEW 12" PVC WATERLINE - SEE UTILITY PLANS.
3. INSTALL 56' LF 30" CL IV RCP STORM DRAIN @ S= 0.020 FT/FT
4. NOT USED.
5. NEW 8" HIGH PRESSURE GAS LINE TO BE INSTALLED BY PNM GAS. MINIMUM OF 3' OF COVER.



DWL
ARCHITECTS

**DWL ARCHITECTS
& PLANNERS, INC.**
OF NEW MEXICO

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Smith Engineering Company
A Full Service Engineering Company
9400 Uptown Boulevard, N.E. Suite 0008 Albuquerque, New Mexico 87110

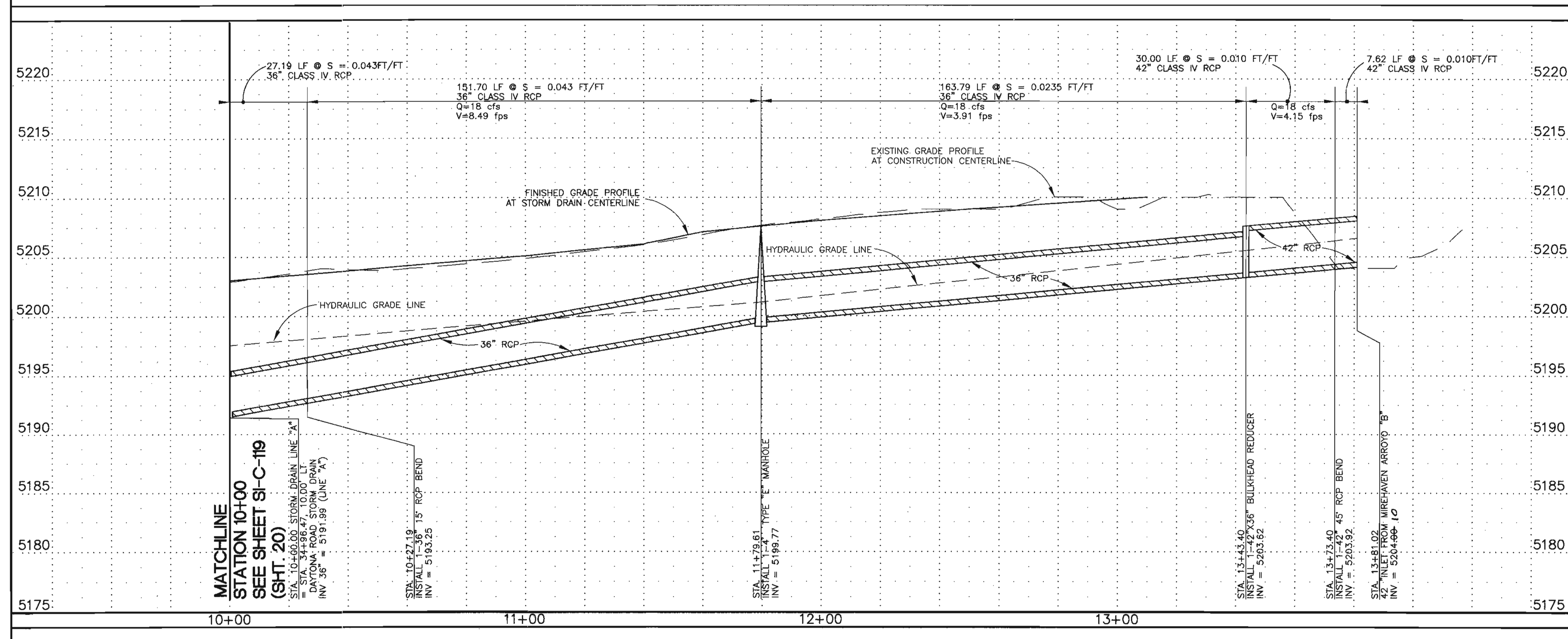
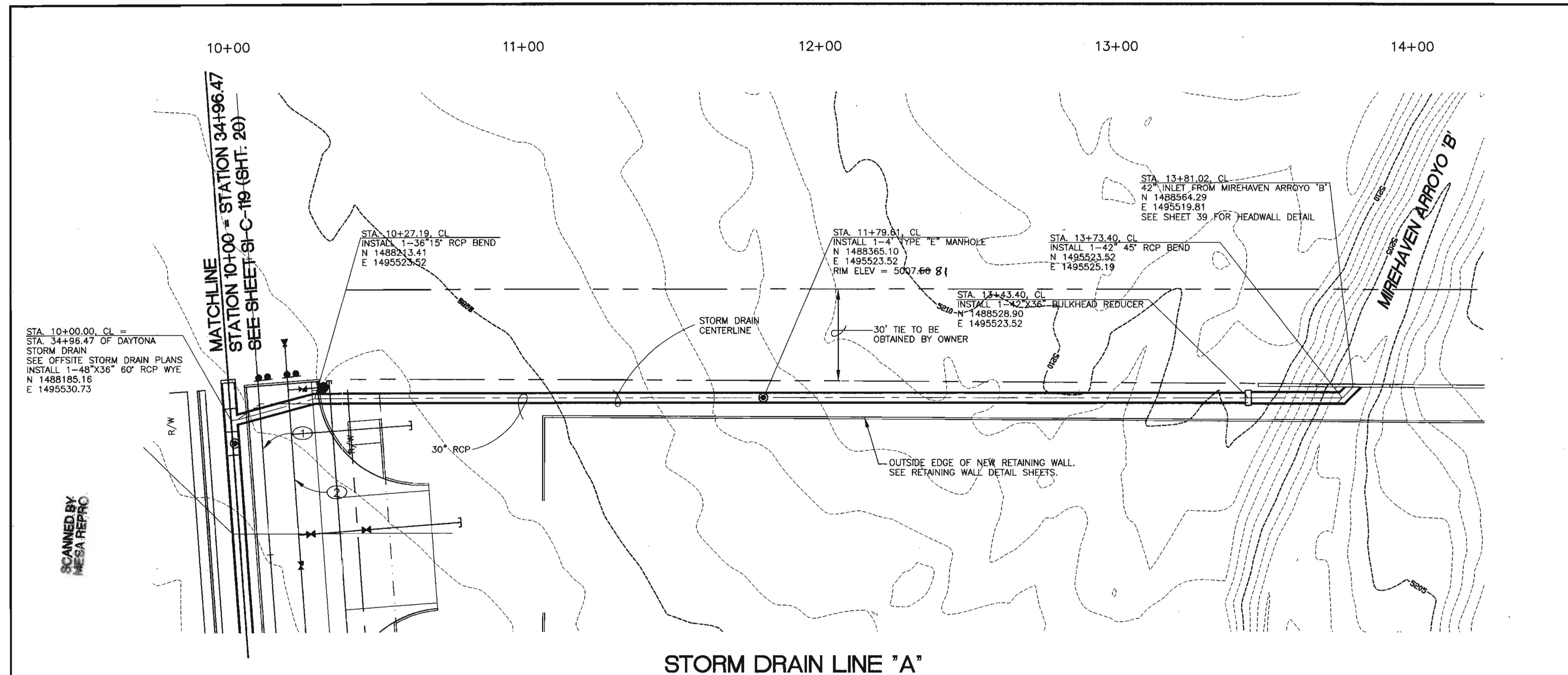


CITY OF ALBUQUERQUE									
CAPITAL IMPLEMENTATION PROGRAM									
TITLE:		WEST SIDE TRANSIT FACILITY							
		DAYTONA RD SD P&P: STA 32+50 TO STA 35+07.77							

DAYTONA RD SD P&P: STA 32+50 TO STA 35+07.77

Design Review Committee	City Engineer Approval	Least Design Update	No. / Day / Yr.	No. / Day / Yr.
			0.1	0.2
			0.2	0.3
			0.3	0.4
			0.4	0.5
City Project No.	5658.01	Zone Map No. J-9-Z	Sheet 20	Of 61

City Project No.	5658.01	Zone Map No.	J-9-Z	Sheet	20	Of	61
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KEYED NOTES:

1. NEW 8" PVC SANITARY SEWER LINE--SEE UTILITY PLANS.
2. NEW 12" PVC WATERLINE--SEE UTILITY PLANS.

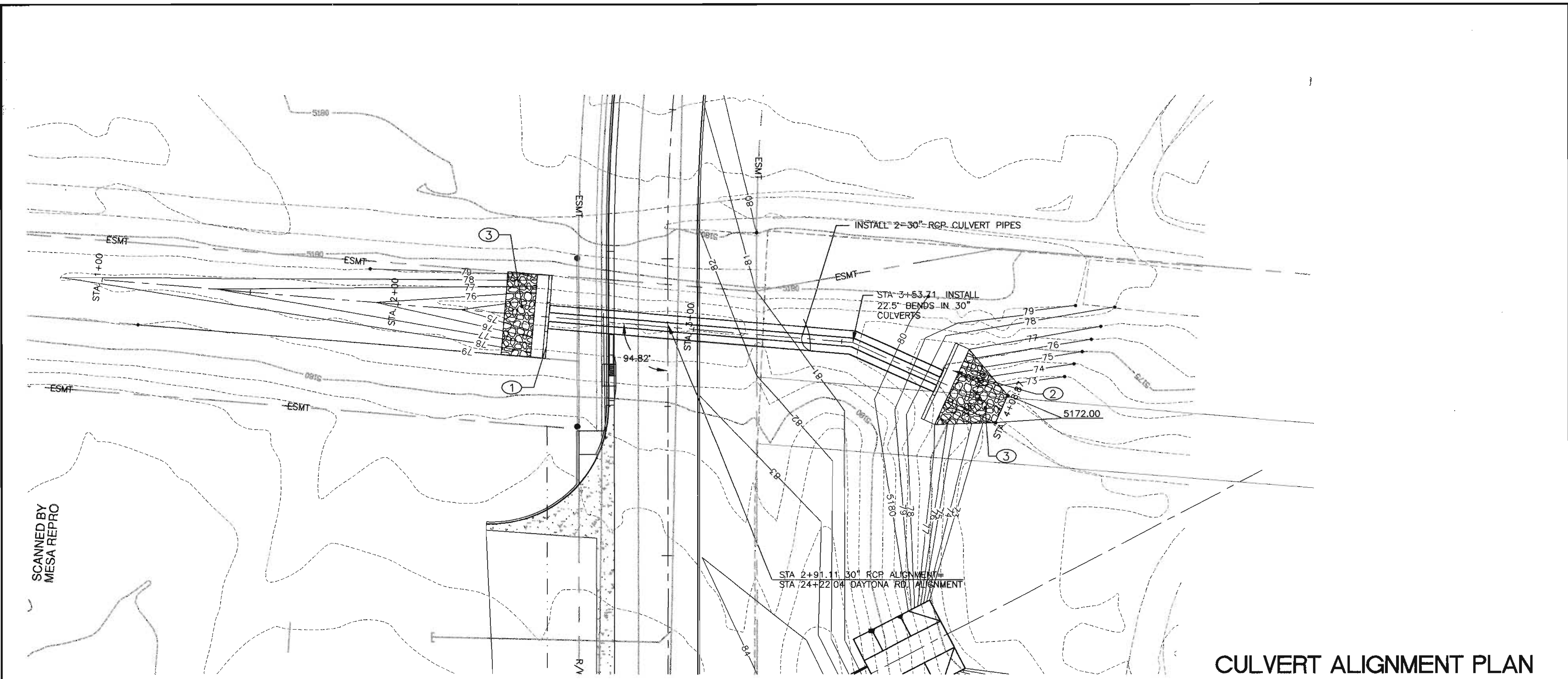
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CONTRACTOR	DATE	A.C.S. CONTROL MONUMENT "10-K10"	DATE	NO.	BY	PATRICIA J. CONLEY REGISTERED PROFESSIONAL ENGINEER NO. 10141 EXPIRATION 3/24/03	REVISIONS
WORKED BY	DATE	ELEV. (NGVD 29) = 5,142.79'	DATE	11599	STEVE TOLER		
INSPECTOR'S	DATE	3-1/4" AL. CAP IN CONC. CURB	DATE				
ACCEPTANCE BY	DATE	S.W. COR. UNSER & LOS VOLCANES	DATE				
VERIFICATION BY	DATE	N 1,487,056.22 ; E 357,375.04	DATE				
DRAWINGS	DATE	DELTA ALPHA = -0'16"27"	DATE				
REVISIONS	DATE	COMBINED FACTOR=0.999675701 (PROJECT)	DATE				
RECORDED BY	DATE						
NO.							

City Project No. 5658.01

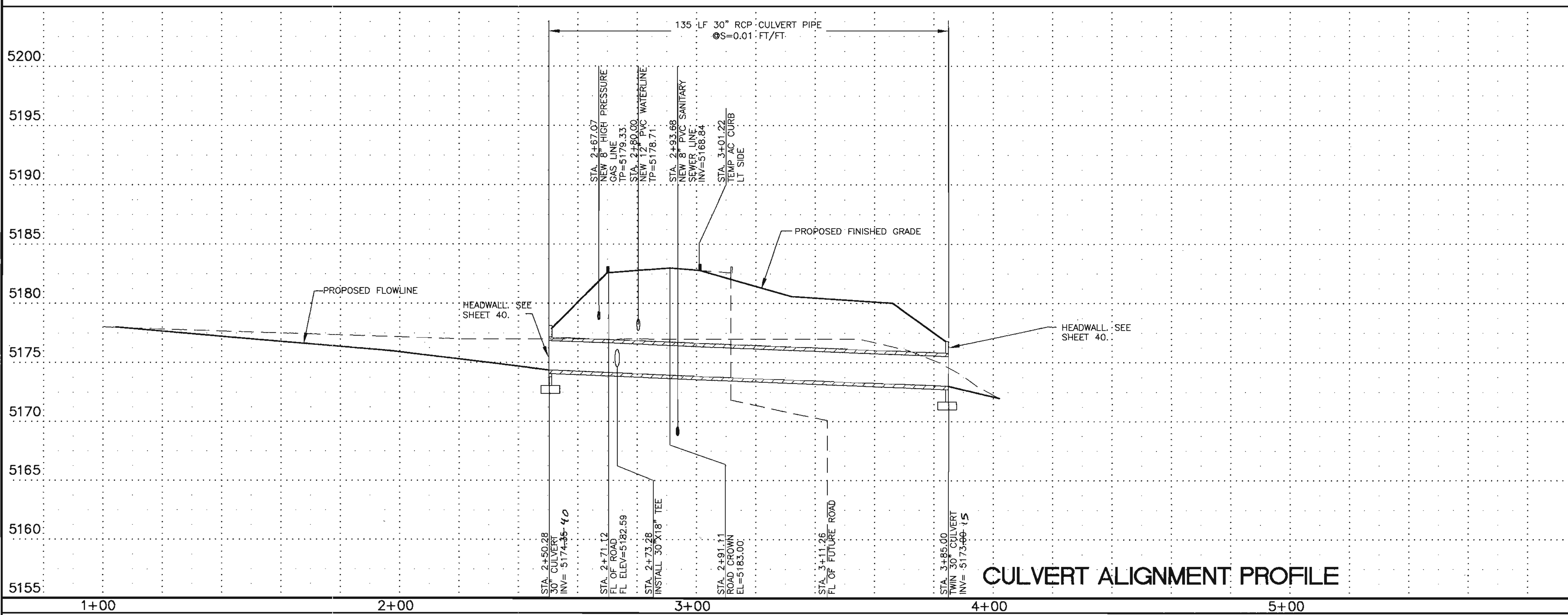
Zone Map No. J-9-Z

Sheet 21 of 61

Z:\Civ_Cadd\100300 West Side Transit Facility\Option1-Design Document\121-sc-pnp.dwg Thu May 23 16:16:46 2002



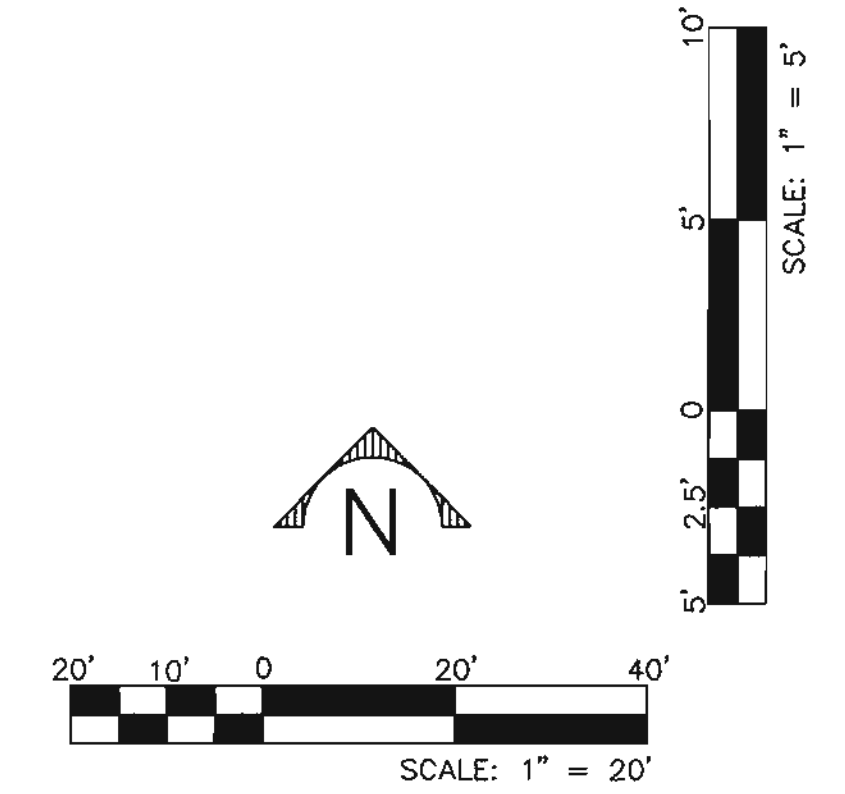
CULVERT ALIGNMENT PLAN

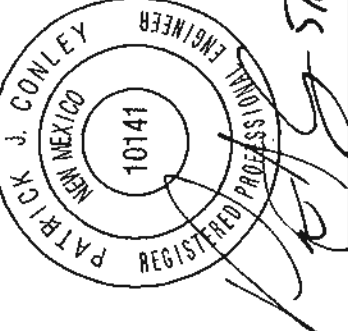


CULVERT ALIGNMENT PROFILE

KEYED NOTES:

1. CONSTRUCT UPSTREAM HEADWALL. SEE SHEET 40.
2. CONSTRUCT DOWNSTREAM HEADWALL. SEE SHEET 40.
3. DUMPED TYPE M RIP-RAP. SEE SHEET 40.



AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEERS SEAL		
CONTRACTOR	DATE	BY	A.C.S. CONTROL MONUMENT	ELEV.	NGVD 29	NO.	BY	DATE			
INSPECTOR'S	DATE	BY	3-1/4\"	5,142.79		11599	STEVE TOLER	2000			
FIELD CHECK	DATE	BY	S.W. COR. UNSER & LOS VOLCANES								
VERIFICATION	DATE	BY	N 1,487,056.22 : E 357,375.04								
CORRECTED BY	DATE		DELTA ALPHA = -0'16.27"								
MICRO-FILM INFORMATION			COMBINED FACTOR=0.999675701 (PROJECT)								
RECORDED BY	DATE										
NO.											

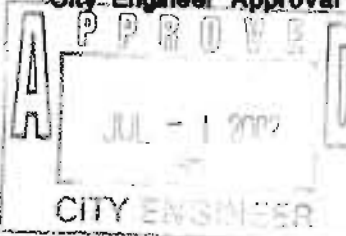
NO.	DATE	REMARKS	BY
		DESIGN	
	4/02	DESIGN	
DESIGNED BY	PJC		
DRAWN BY	EAD		
CHECKED BY	PJC		

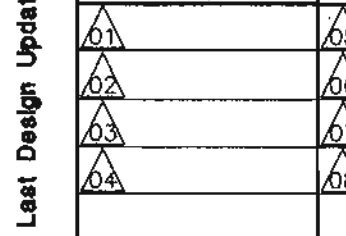


CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM

TITLE: **WEST SIDE TRANSIT FACILITY**
CULVERT UTILITY P&P: STA 1+00 TO STA 4+54.07

Design Review Committee


City Engineer Approval


Least Design Update


City Project No.	Zone Map No.	Sheet	of
5658.01	J-9-Z	22	61

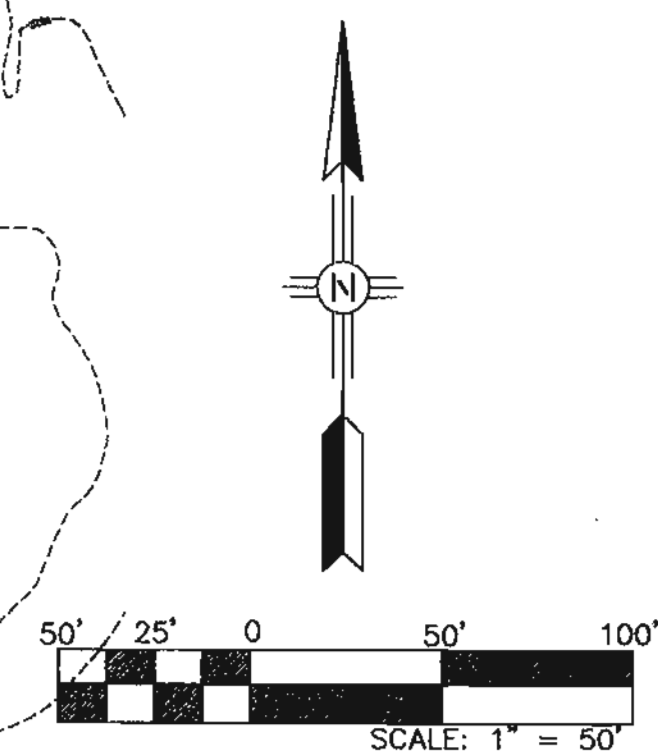


1. WORK FOR THE PERIMETER WALLS AND THE INTERIOR WALLS SHALL BE PERFORMED IN ACCORDANCE WITH THE PLAN SHEETS SHOWING THE WALLS, C.O.A. STANDARD SPECIFICATIONS (LATEST EDITION), AND SUPPLEMENTAL TECHNICAL SPECIFICATIONS.
2. SEE THE ROAD PLAN AND PROFILE SHEETS FOR THE PROPOSED GRADES AT THE EDGE OF THE ROADWAY IMPROVEMENTS.

GENERAL NOTES:

1. THE SITE EARTHWORK SHALL BE PERFORMED IN ACCORDANCE WITH THE C.O.A. STANDARD SPECIFICATIONS (LATEST EDITION) FOR SUBGRADE PREPARATION AND FILL, SUPPLEMENTAL TECHNICAL SPECIFICATIONS, AND RECOMMENDATIONS IN THE GEOTECHNICAL REPORT.

NOTE: BUILDING OUTLINES SHOWN
FOR INFORMATION ONLY

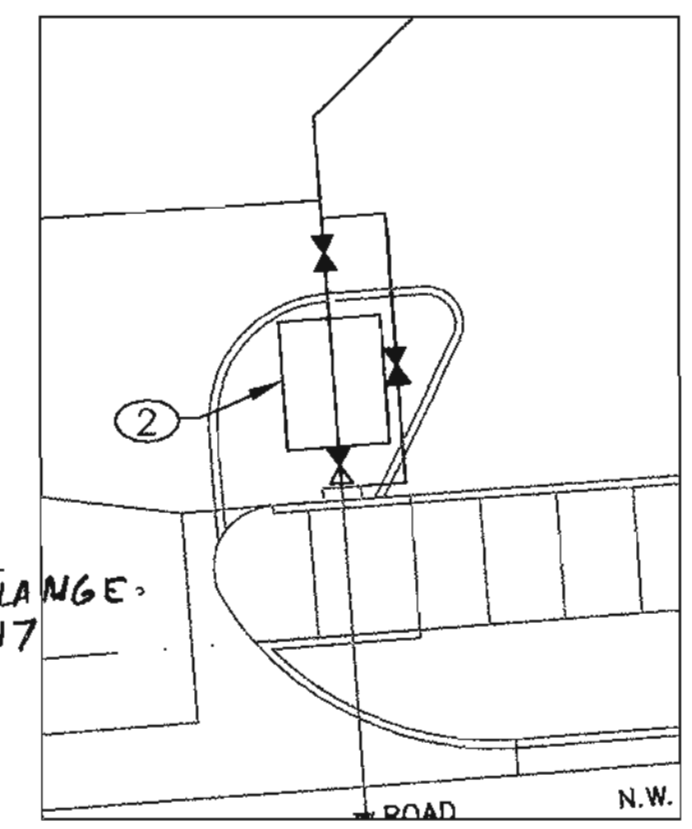
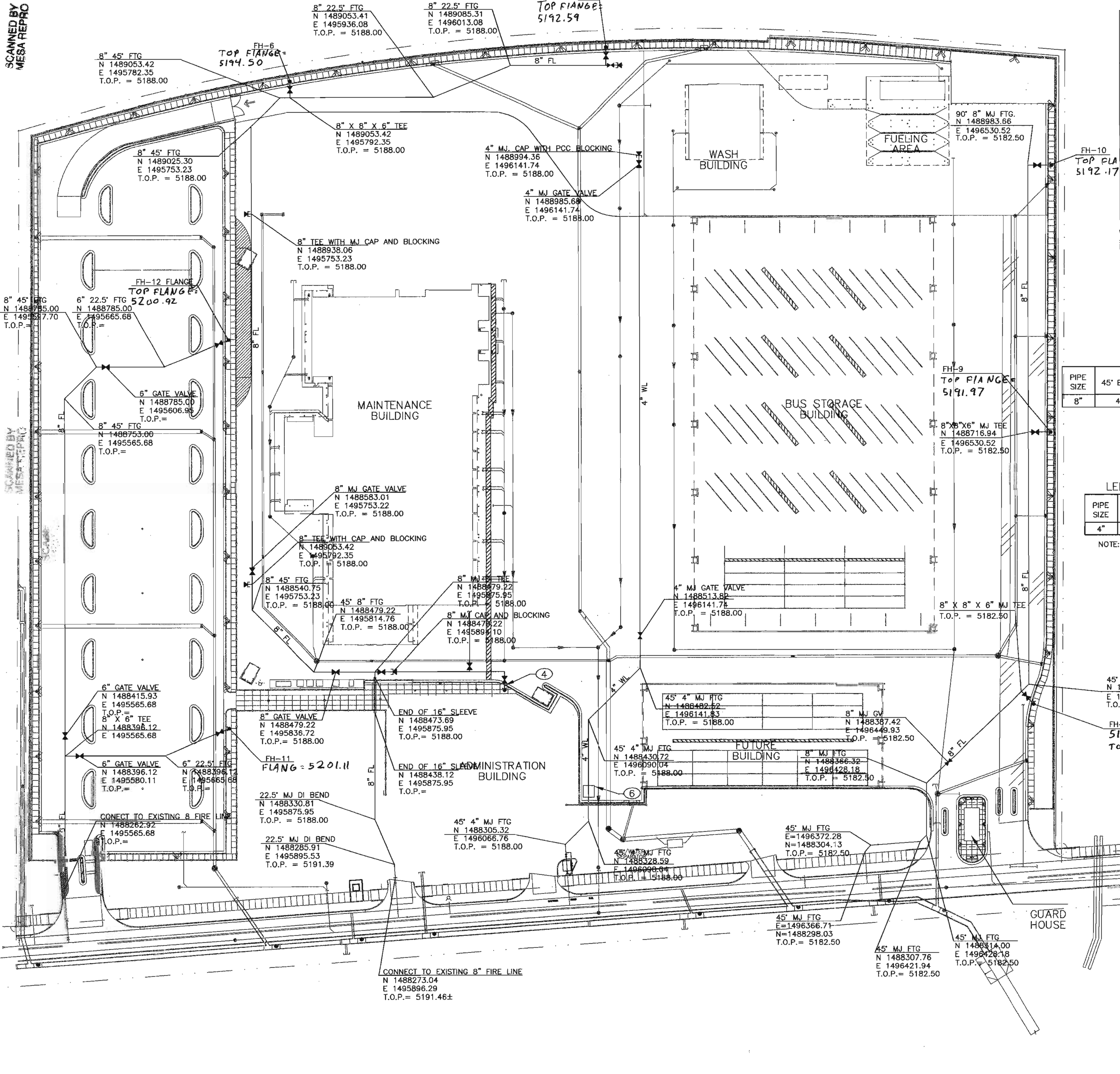


 100300
Smith Engineering Company
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	CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM			
	TITLE: WEST SIDE TRANSIT FACILITY GRADING PLAN			
Design Review Committee	City Engineer Approval	Last Design Update	Mo. / Day / Yr.	Mo. / Day / Yr.
			01	05
			02	06
			03	07
			04	08
City Project No.	5658.01	Zone Map No. J-9-Z	Sheet 23	Of 61

SCANNED BY
MESA REPRO

SCANNED BY
MESA REPRO



WATER VALVE VAULT LAYOUT
N.T.S.

LENGTH OF RESTRAINED PIPE (LF) IF MJ FITTINGS ARE TO BE USED

PIPE SIZE	45° BEND	22.5° HORIZONTAL BEND	90° HORIZONTAL BEND	TEE (8"X8"X8" BRANCH)	TEE (8"X8"X6" BRANCH)	VALVE ALL SIZES	CAP ALL SIZES
8"	40	20	40	60 FOR BRANCH	40 FOR BRANCH	80 EACH SIDE	80

NOTE: IF MJ FITTINGS ARE TO BE USED, RESTRAINING GLANDS SHALL BE USED AT ALL FITTINGS AND THE CONNECTING PIPE SHALL BE RESTRAINED WITH HARNESSES AS PER TABLE. ALL SERVICE CONNECTIONS AND FIRE HYDRANTS SERVICE CONNECTIONS SHALL BE FULLY RESTRAINED FOR THE ENTIRE LENGTH BETWEEN THE MAIN AND THE HYDRANT. A MINIMUM OF 5' LENGTH OF PIPE SHALL BE USED FOR THE RUN LENGTH ON EACH SIDE OF TEES AT 90° FITTINGS. RESTRAIN ONE JOINT FOR EACH LEG OF RUN EACH SIDE OF TEE FOR 90° FITTINGS.

LENGTH OF RESTRAINED PIPE (LF) IF MJ FITTINGS ARE TO BE USED

PIPE SIZE	45° BEND	22.5° HORIZONTAL BEND	90° HORIZONTAL BEND	TEE (4"X4"X4" BRANCH)	VALVE ALL SIZES	CAP ALL SIZES
4"	20	20	30	20 FOR BRANCH	60 EACH SIDE	60

NOTE: IF MJ FITTINGS ARE TO BE USED, RESTRAINING GLANDS SHALL BE USED AT ALL FITTINGS AND THE CONNECTING PIPE SHALL BE RESTRAINED WITH HARNESSES AS PER TABLE. A MINIMUM OF 5' LENGTH OF PIPE SHALL BE USED FOR THE RUN LENGTH ON EACH SIDE OF TEES AT 90° FITTINGS. RESTRAIN ONE JOINT FOR EACH LEG OF RUN EACH SIDE OF TEE FOR 90° FITTINGS.

GENERAL NOTES:

- ALL ON-SITE WATERLINE 4" AND GREATER SHALL BE DUCTILE IRON WATER LINE.
- ALL VALVES ARE MJ GATE VALVES WITH TYPE "A" VALVE BOXES.
- ALL FITTINGS ARE MJ FITTINGS UNLESS OTHERWISE NOTED.
- WATERLINE 3" OR SMALLER SHALL BE TYPE "K" COPPER.
- SET FLANGES OF FIRE HYDRANTS AT 5' ABOVE EXISTING TOP OF CURB

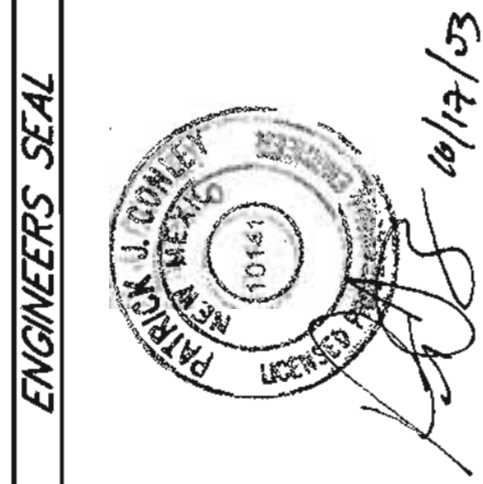
KEYED NOTES:

- INSTALL FIRE HYDRANT PER C.O.A. STD. DRAWING 2340. SET CL OF HYDRANT AT 1'-6" FROM BACK OF CURB.
- CONSTRUCT WATER METER VAULT PER SKETCH 061603.
- NOT USED.
- NOT USED.
- INSTALL 16" STEEL SLEEVE AND SPACERS PER FIELD DIRECTIVE
- INSTALL 4" REDUCED PRESSURE PRICIPLE BACKFLOW PREVENTION ASSEMBLY (PPBA) PER COA STD. DWG. 2385. INSTALL TYPE "B" "HOT BOX" WITH REQUIRED POWER PER COA STD. DWG. 2389. CONTRACTOR TO PROVIDE SUBMITTALS FOR EACH ASSEMBLY PRIOR TO CONSTRUCTION.

AS-BUILT INFORMATION			
CONTRACTOR	C.C.H., Inc.	DATE	
INSPECTOR	C.C.H., Inc.	DATE	
FIELD VERIFICATION BY	SEC	DATE	
FIELD VERIFICATION BY	COA	DATE	
FIELD VERIFICATION BY	TPD	DATE	
FIELD VERIFICATION BY	MICRO-FILM INFORMATION	DATE	

BENCH MARKS			
A.C.S. CONTROL MONUMENT "10-K10"	ELEV. (NGVD 29) = 5,142.79'	DATE	
3-1/4" AL. CAP IN CONC. CURB		DATE	
S.W. COR. UNSER & LOS VOLCANES	N. 1,487,056.22 ; E. 357,375.04	DATE	
DELTA ALPHA = -0'16'27"		DATE	
COMBINED FACTOR=0.999675701 (PROJECT)		DATE	

SURVEY INFORMATION			
FIELD NOTES	DATE	BY	
NO.			



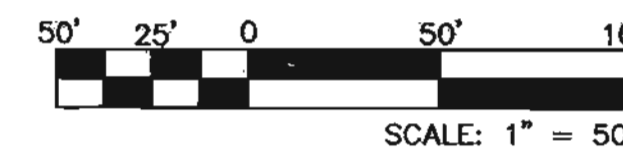
ENGINEERS SEAL			
REMARKS	BY	DATE	
DESIGN		01/18/02	
REVISIONS		01/18/02	
NO.	DATE	DESIGNED BY	PJC
		DRAWN BY	EAD
		CHECKED BY	PJC

NOTICE OF EXTENDED PAYMENT PROVISION: THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OR AN UNDISPUTED REQUEST FOR PAYMENT.



CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM	
TITLE: WEST SIDE TRANSIT FACILITY PHASE I CHANGE ORDER - WATER	
Design Review Committee	City Engineer Approval
City Project No. 5658.03	Zone Map No. J-9-Z
Sheet 23A	Of 61

7: Projects\100300(1) - West Side Transit Facility Phase 1-A\SHT2-SAS DWG

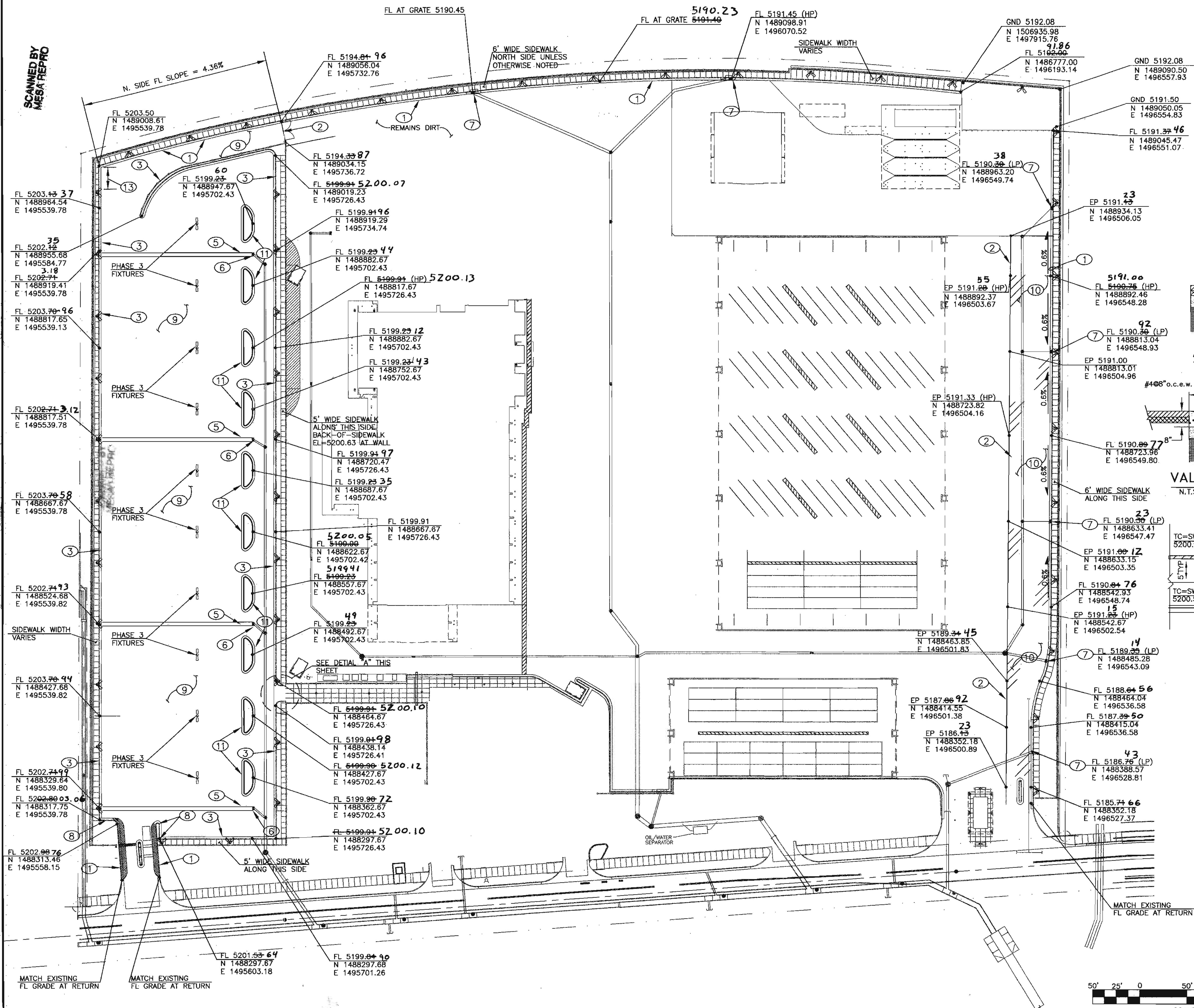


Design Review Committee	City Engineer Approval	Last Design Update	Mo. / Day / Yr.	Mo. / Day / Yr.
			01	02
			03	04
			05	06
			07	08
			09	10
City Project No.		Zone Map No.	Sheet	Of
5658.03		J-9-Z	23B 14A	61

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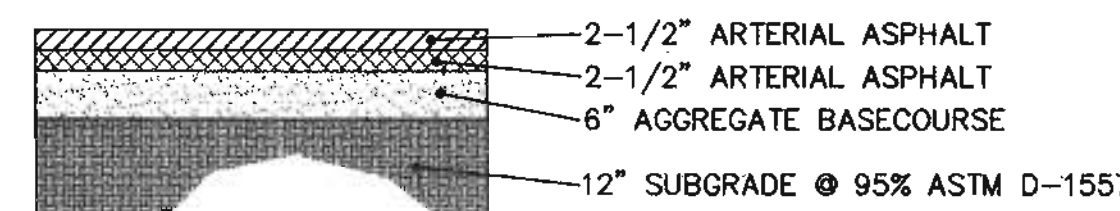
Z:\PROJECTS\100300(J) - West Side Transit Facility Phase 1-A\ON-SITE PAVING_C.O.DWG

SCANNED BY
MESA REPRO



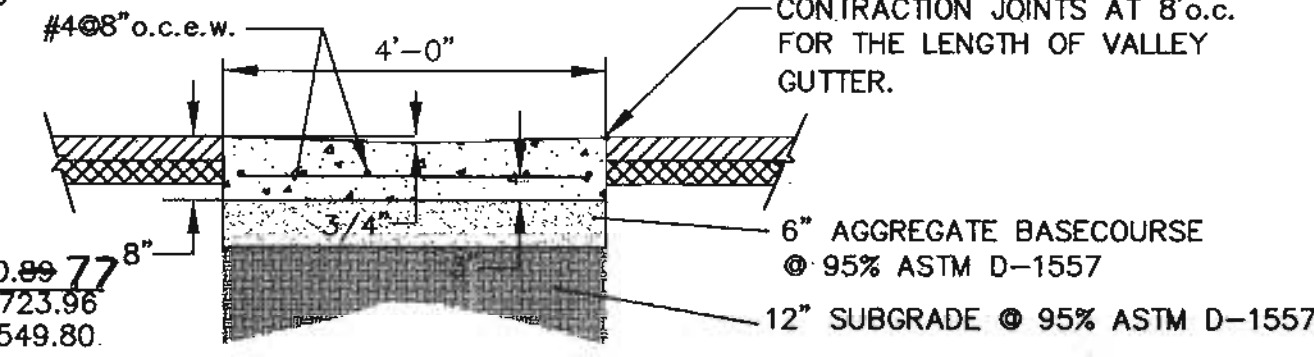
KEYED NOTES:

1. CONSTRUCT 8" STANDARD CURB & GUTTER PER COA STANDARD DRAWING 2415
2. EDGE OF PAVING.
3. CONSTRUCT 6" HIGH MEDIAN CURB & GUTTER WITH DEPRESSION PAN AT 2% GRADE.
5. CONSTRUCT 4" WIDE VALLEY GUTTER PER DETAIL THIS SHEET
6. TRANSITION VALLEY GUTTER TO MATCH CATCH BASIN ELEVATION AT INTERFACE.
7. CONSTRUCT COA TYPE "C" CATCH BASIN SEE STORM DRAIN DRAWINGS
8. TRANSITION FROM 8" STANDARD CURB & GUTTER TO 6" MEDIAN CURB & GUTTER.
9. CONSTRUCT 5" PAVING SECTION THIS AREA. SEE DETAIL THIS SHEET.
10. CONSTRUCT 7-1/2" PAVING SECTION THIS AREA PER ROAD PAVING SECTION.
11. CONSTRUCT ISLAND. SEE ARCHITECTURAL FOR DIMENSIONS
12. CONSTRUCT PCC SIDEWALK PER COA STD. DWGS. USE 1/2" EXPANSION JOINT AND ELASTOMERK SEALANT AT BACK OF CURB WHEN CURB PLACED AGAINST BLOCK WALL
13. TRANSITION FROM 6" DEPRESSION CURB ON SOUTH TO 8" STANDARD CURB AT CORNER



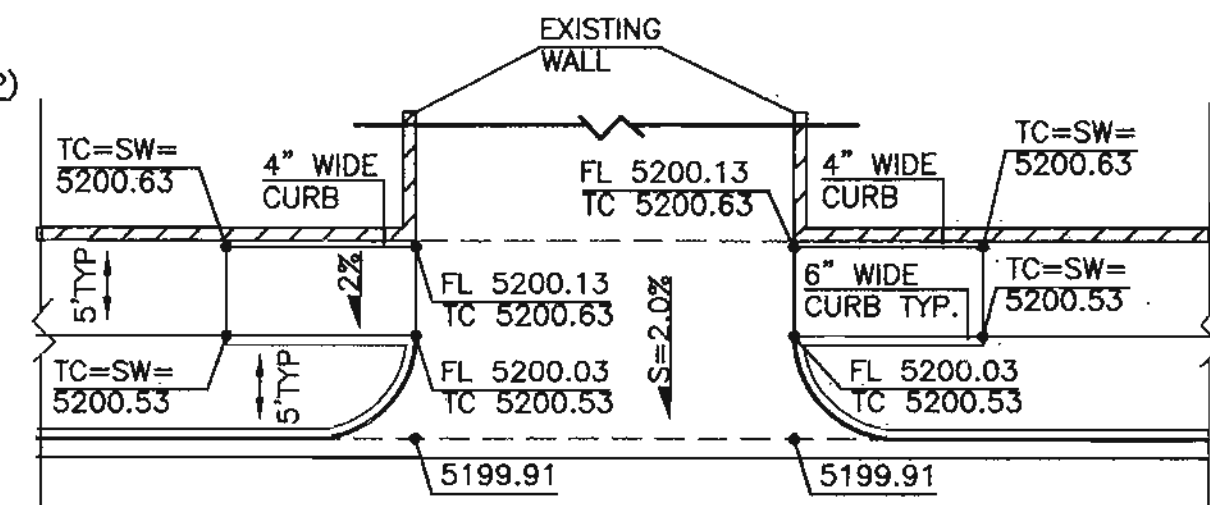
ASPHALT SECTION

FOR EMPLOYEE PARKING AREA
N.T.S.



VALLEY GUTTER

N.T.S.



DETAIL "A"

N.T.S.



DWL ARCHITECTS
& PLANNERS, INC.
OF NEW MEXICO

202 CENTRAL AVE. S.E.
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ALBUQUERQUE, NEW MEXICO
87102
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VOICE (505) 242-8202
E-MAIL DWL@DWL.COM

NOTICE OF EXTENDED
PAYMENT PROVISION: THIS
CONTRACT ALLOWS THE OWNER
TO MAKE PAYMENT WITHIN 45
DAYS AFTER SUBMISSION OR
AN UNDISPUTED REQUEST FOR
PAYMENT.



CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM

TITLE: WEST SIDE TRANSIT FACILITY
ON-SITE PAVING C.O.

Design Review Committee

City Engineer Approval

Last Design Update

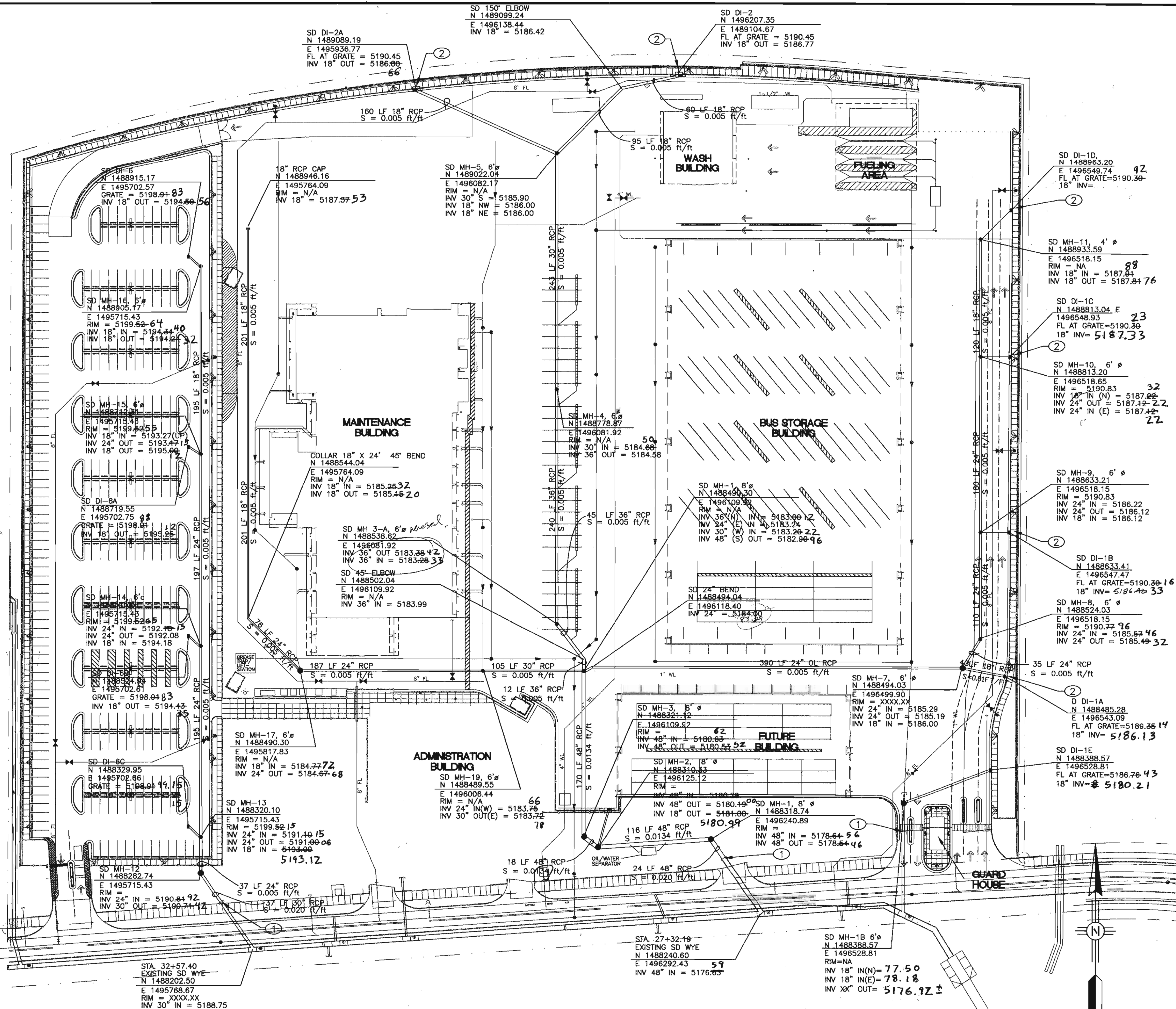
City Project No. 5658.03

Zone Map No. J-9-Z

Sheet 23C

Of 61

SCANNED BY
MESA REPRO

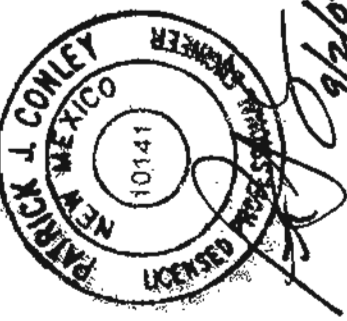


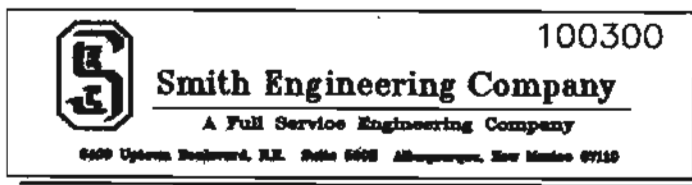
GENERAL NOTES:

- ALL MANHOLES ARE TYPE "C" PER COA STD DWG. 2102.
- WHERE RIM IS GIVEN AS "N/A", CONTRACTOR SHALL CONSTRUCT PARTIAL MANHOLE PER DETAIL ON SAS SHEET.
- ALL RCP SHALL BE CLASS III PIPE.

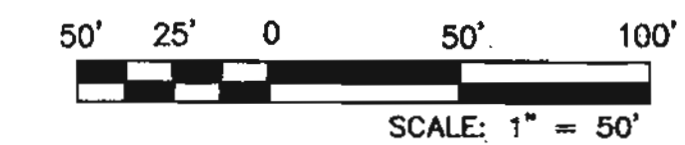
KEYED NOTES:

- REMOVE AND DISPOSE OF EXISTING RCP CAP.
- CONSTRUCT TYPE "C" CATCH BASIN PER COA STD. DWG.
- CONSTRUCT TYPE "D" CATCH BASIN PER COA STD. DWG.

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEERS SEAL		REVISIONS		DESIGN	
CONTRACTOR	DATE	CONTRACTOR	DATE	NO.	DATE			NO.	DATE	DESIGNED BY	DATE
INSPECTOR	DATE	INSPECTOR	DATE	BY	BY			REVISIONS	DATE	EAD	DATE
DATE	DATE	DATE	DATE							PJC	DATE



CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM		DESIGN	
TITLE: WEST SIDE TRANSIT FACILITY PHASE I CHANGE ORDER - STORM DRAIN			
Design Review Committee	City Engineer Approval		
City Project No. 5658.03	Zone Map No. J-9-Z	Sheet 23D	Of 61



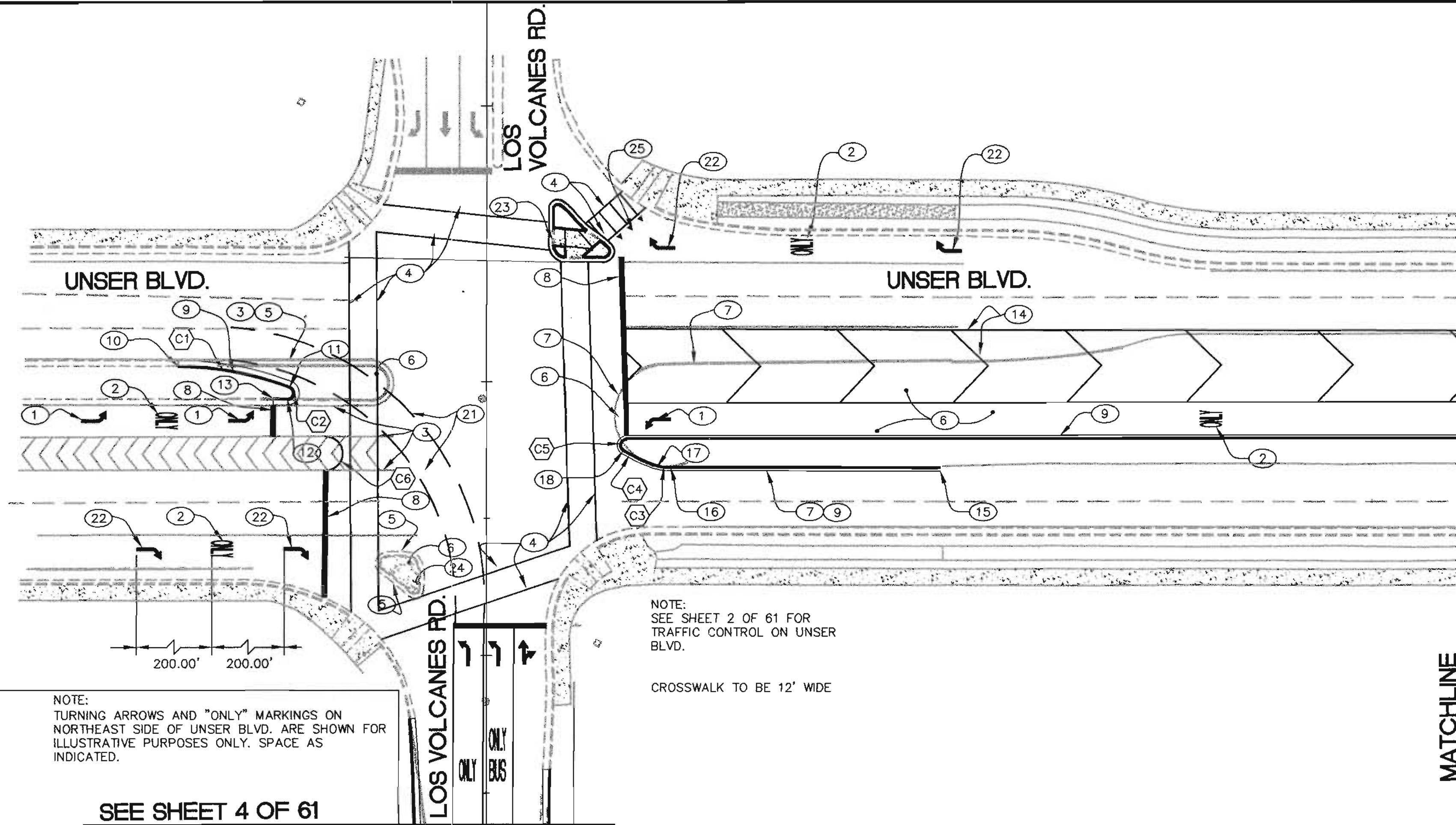
Smith Engineering Company
 A Full Service Engineering Company
 6600 Uptown Boulevard, N.E. Suite 600 Atlanta, Georgia, New Mexico 87110

CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM	
TITLE:	WEST SIDE TRANSIT FACILITY NEW INTERIOR WALL LOCATION SKETCH 061103

Design Review Committee	City Engineer Approval	Lost Design Update	Yes / Day / Yr.	No / Day / Yr.
			01	05
			02	06
			03	07
			04	08
City Project No. 5658.01		Zone Map No. J-9-Z	Sheet 23F	Of 61

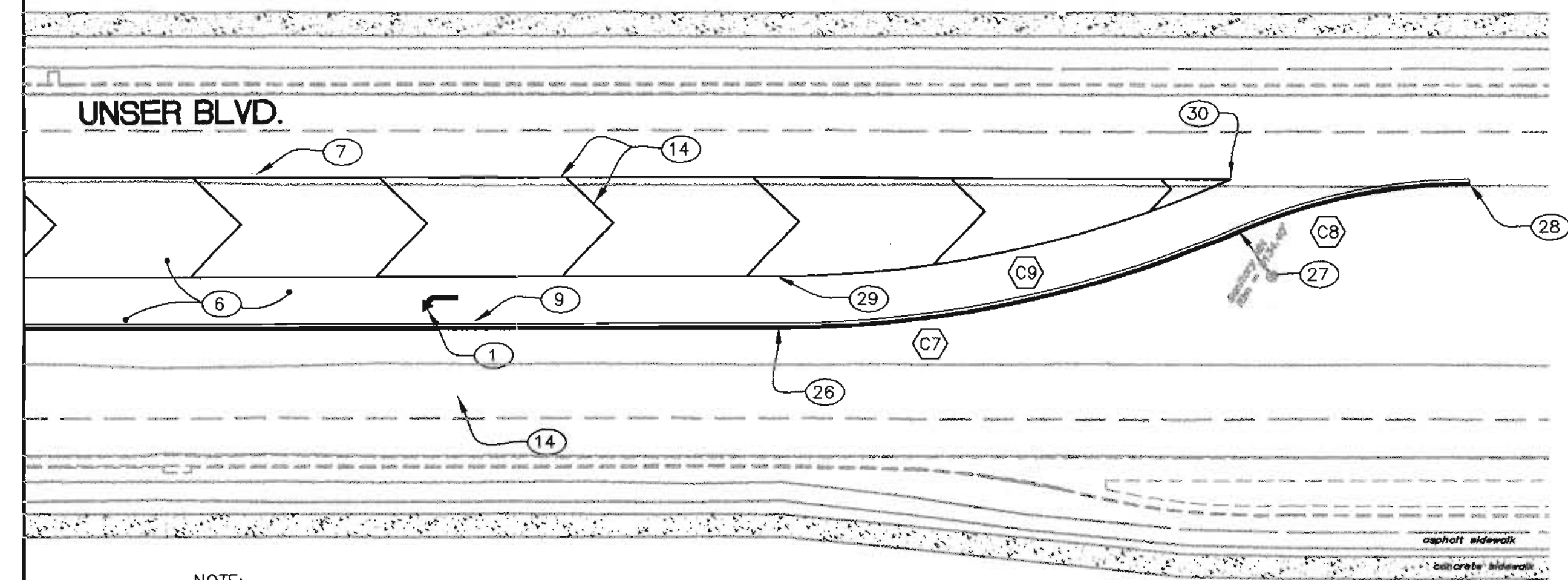
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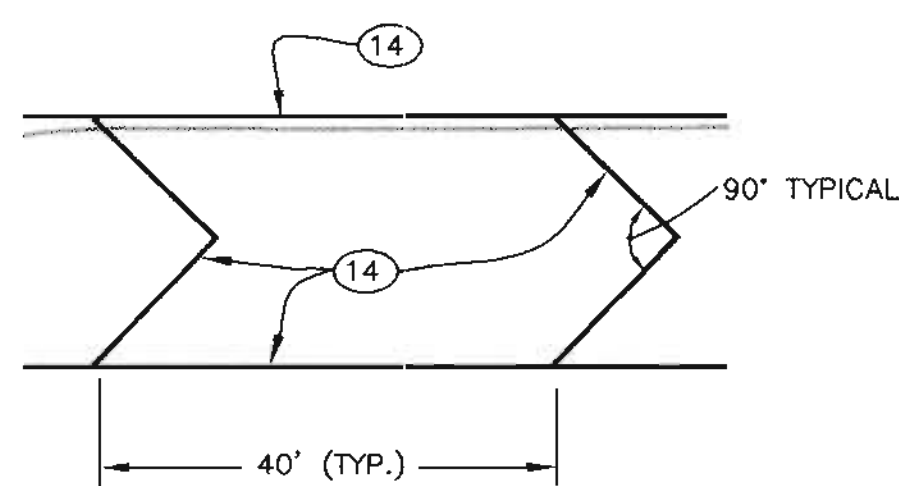


SEE SHEET 4 OF 61
FOR CONTINUATION AND STRIPING PLAN FOR
LOS VOLCANES ROAD

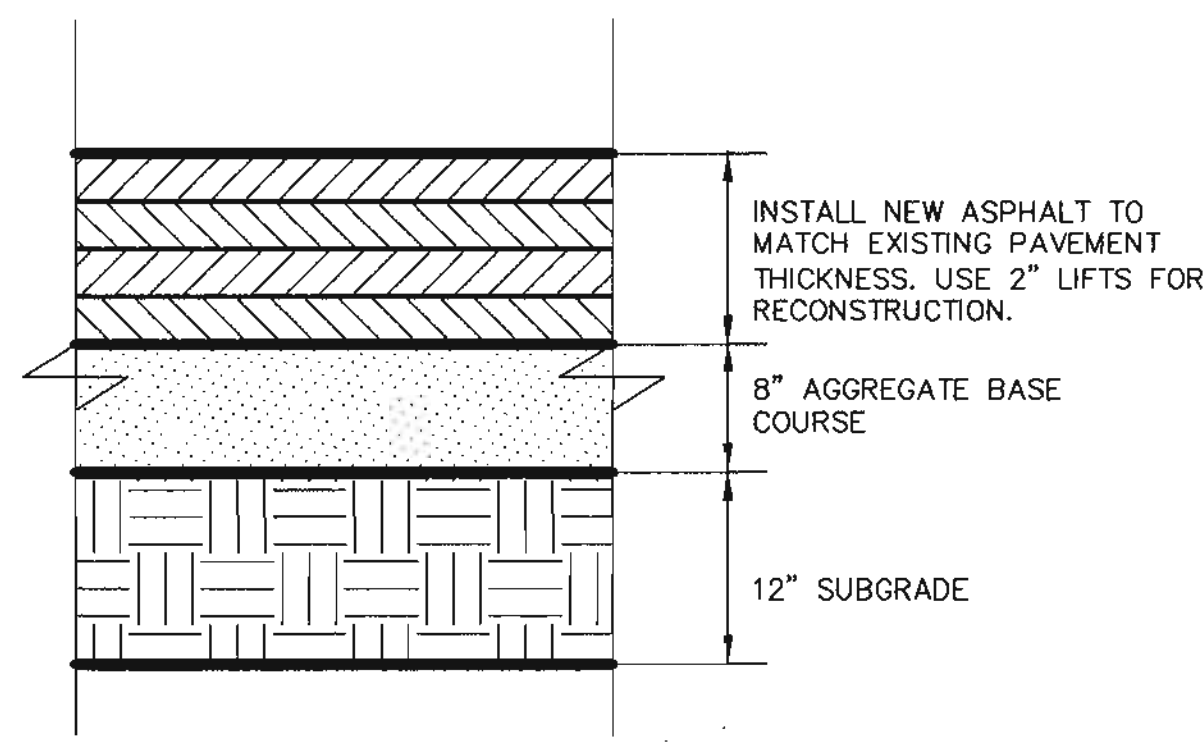
MATCHLINE
SEE THIS SHEET
(BELOW)



NOTE:
SEE SHEET 2 OF 61 FOR
TRAFFIC CONTROL ON UNSER
BLVD.



GORE MARKING DETAIL
NTS



ASPHALT PAVING SECTION
NTS

CURVE DATA *

NO.	DELTA	RADIUS	LEN.	TAN.
C1	20°27'51"	115.41	41.22	20.83
C2	160°08'37"	2.50	6.99	14.28
C3	21°10'01"	20.50	7.57	3.83
C4	09°01'33"	69.00	10.87	5.45
C5	149°41'14"	2.50	6.53	9.23
C6	180°12'09"	6.13	-	19.27
C7	23°19'14"	300.00	122.11	61.91
C8	23°25'43"	150.00	61.34	31.10

CURVE DATA *

NO.	DELTA	RADIUS	LEN.	TAN.
C9	24°01'31"	287.00	120.26	61.03
C10	122°20'15"	1.77	3.78	3.22
C11	19°17'18"	18.50	6.23	3.14
C12	12°25'28"	33.08	7.17	3.60
C13	80°50'43"	25.50	3.94	1.97
C14	80°44'10"	2.10	2.96	1.79
C15	53°54'06"	3.20	3.01	1.63
C16	89°14'25"	4.50	7.01	4.44

* ALL CURVE DATA TO FLOW LINE

POINT TABLE

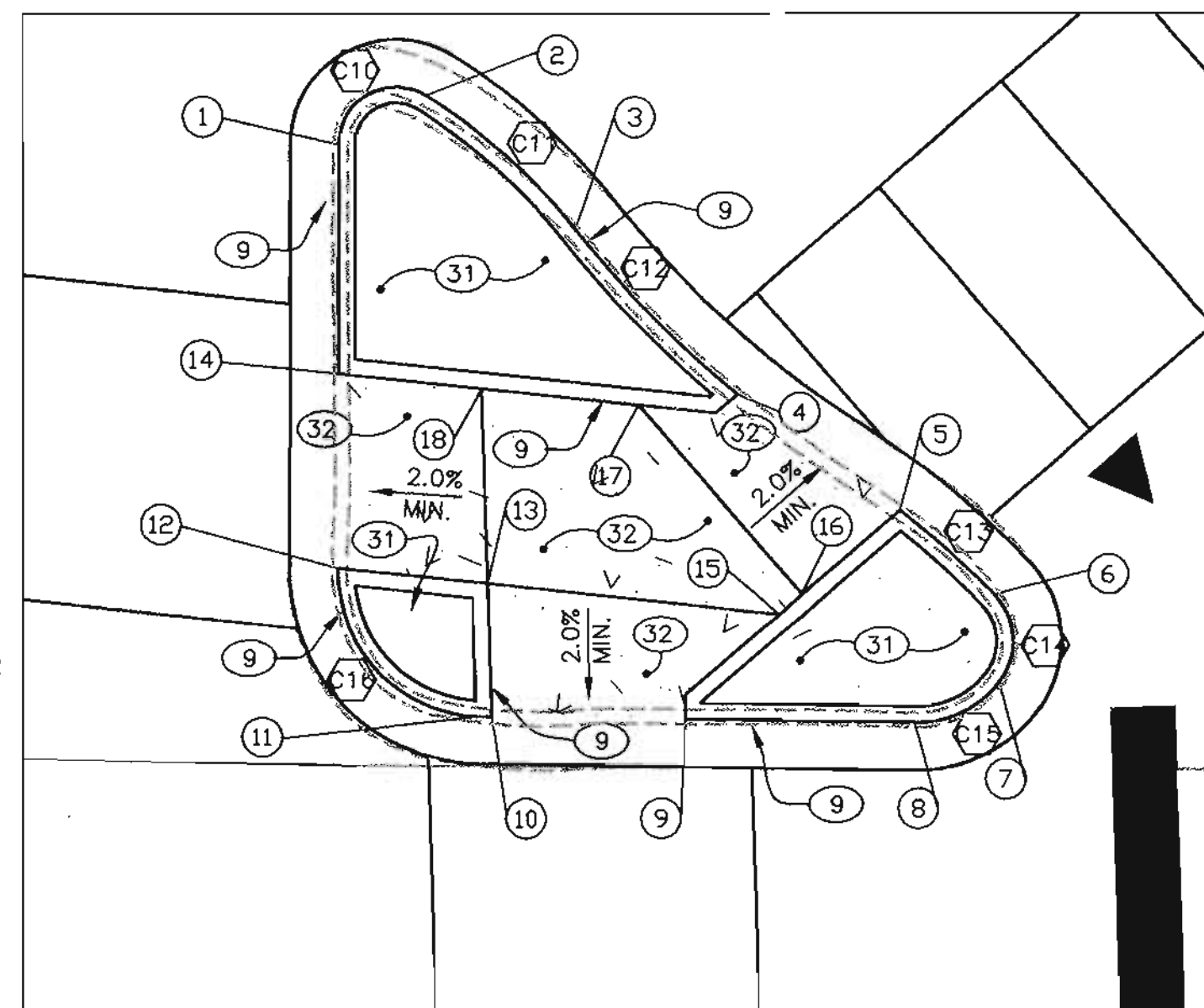
PT	NORTHING	EASTING	ELEVATION
1	1487626.64	1498109.56	-
2	1487625.04	1498112.22	-
3	1487618.98	1498110.94	-
4	1487612.07	1498109.04	5142.12
5	1487605.93	1498108.45	5142.12
6	1487602.08	1498107.63	-
7	1487600.59	1498105.36	-
8	1487602.21	1498102.96	-
9	1487608.39	1498099.49	5142.31
10	1487613.63	1498096.55	5142.40
11	1487613.90	1498096.40	-
12	1487620.00	1498098.07	5142.43
13	1487615.82	1498100.07	5142.52
14	1487623.08	1498103.40	5142.35
15	1487607.54	1498103.77	5142.25
16	1487607.23	1498104.67	5142.20
17	1487614.57	1498107.20	5142.16
18	1487619.01	1498105.22	5142.44

KEYED NOTES CONT:

- STA. 17+80.26, 550.74' RT
PC MEDIAN CURB AND GUTTER
FLOW ELEV=MATCH EXISTING
- STA. 18+05.06, 669.44' RT
PT MEDIAN CURB AND GUTTER
FLOW ELEV=MATCH EXISTING
- STA. 18+17.47, 729.08' RT
PC MEDIAN CURB AND GUTTER
FLOW ELEV=MATCH EXISTING
- STA. 17+93.26, 550.71' RT
PC PAVEMENT STRIPING
FLOW ELEV=MATCH EXISTING
- STA. 18+18.38, 667.42' RT
PT PAVEMENT STRIPING
FLOW ELEV=MATCH EXISTING
- INSTALL PATTERNED AND COLORED
CONCRETE PER C.O.A. STANDARD.
- INSTALLED CONCRETE SURFACE PER
C.O.A. STANDARD.

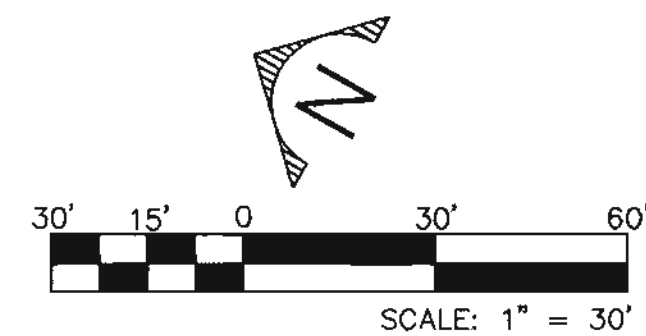
KEYED NOTES:

- INSTALL COA STANDARD "LEFT TURN"
REFLECTORIZED PLASTIC PAVEMENT MARKINGS.
- INSTALL COA STANDARD "ONLY" REFLECTORIZED
PLASTIC PAVEMENT MARKING
- REMOVE AND DISPOSE EXISTING PAVEMENT
MARKINGS.
- INSTALL 12" SOLID WHITE REFLECTORIZED PLASTIC
PAVEMENT MARKINGS.
- REMOVE AND DISPOSE EXISTING MEDIAN CURB &
GUTTER.
- INSTALL ASPHALT PAVING PER DETAIL THIS SHEET.
- REMOVE AND DISPOSE EXISTING CURB AND GUTTER.
- INSTALL 65 LF 24" SOLID WHITE REFLECTORIZED
PLASTIC PAVEMENT STOP BAR.
- INSTALL MEDIAN CURB & GUTTER.
- STA 18+05.46, 112.48' LT.
BEGIN NEW MEDIAN CURB & GUTTER.
- STA 17+98.10, 71.83' LT.
PT MEDIAN CURB & GUTTER
FLOW ELEV=MATCH EXISTING
- STA 17+93.26, 72.73' LT.
PC MEDIAN CURB & GUTTER
- STA 17+93.32, 77.88' LT.
END MEDIAN CURB & GUTTER
- INSTALL 8" SOLID WHITE REFLECTORIZED PLASTIC
PAVEMENT MARKINGS FOR GORE. SEE DETAIL THIS
SHEET.
- STA 17+68.31, 165.40±' RT.
BEGIN MEDIAN CURB & GUTTER
FLOW ELEV=MATCH EXISTING
- STA 17+68.27, 67.04' RT.
PT MEDIAN CURB & GUTTER
FLOW ELEV=MATCH EXISTING
- STA 17+69.65, 59.63' RT.
PC MEDIAN CURB & GUTTER
FLOW ELEV=MATCH EXISTING
- STA 17+74.35, 49.85' RT.
PT MEDIAN CURB & GUTTER
FLOW ELEV=MATCH EXISTING
- STA 17+79.00, 51.10' RT.
PC MEDIAN CURB & GUTTER
FLOW ELEV=MATCH EXISTING
- INSTALL COA STANDARD PLASTIC PAVEMENT
"THROUGH ARROW" MARKING.
- INSTALL 4" WIDE x 3' LONG SOLID WHITE
REFLECTORIZED PLASTIC PAVEMENT MARKINGS WITH
7' GAPS FOR TURN GUIDES.
- NOT USED.
- ISLAND "A" (EXISTING). RECONSTRUCT PER
DETAIL THIS SHEET.
- ISLAND "B" (EXISTING). REMOVE AND DISPOSE.
- INSTALL SOLID WHITE "YIELD" MARKINGS PER
M.U.T.C.D.



ISLAND "A"
SCALE: 1"=5'

NOTE
INSTALL MEDIAN CURB PER COA STD DWG 2415,
EXCEPT PAN SHOULD BE 1.5' WIDE THROUGHOUT.

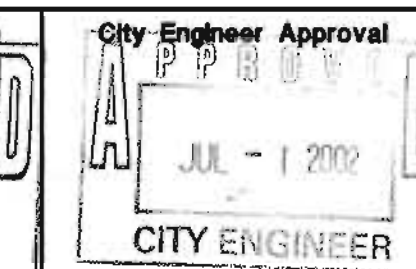


SI-C-123

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A Full Service Engineering Company
6400 Optima Boulevard, N.E. Suite 2000 Albuquerque, New Mexico 87110
100300
FAX (505) 242-4159
VOICE (505) 242-6202
E-MAIL DWLNM@RT66.COM



CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
TITLE:
WEST SIDE TRANSIT FACILITY
INTERSECTION PLAN: UNSER & LOS VOLCANES



DESIGN-REVIEW COMMITTEE	CITY ENGINEER	NO.	DATE
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4

City Project No. **5658.01** Zone Map No. **J-9-Z** Sheet **24** Of **61**

SIGNAL NOTES

1. 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 THIRD DRAFT SPECIFICATIONS (JUNE 1994).
2. 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 AMERICANS WITH DISABILITIES ACT. THE CONTRACTOR SHALL MEET WITH THE 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.
3. THE CONTRACTOR IS WARNED THAT EXISTING CONDUITS MAY CONTAIN AC POWER AND CAUTION SHALL BE EXERCISED IN INTERCEPTING OR INSTALLING CABLE IN EXISTING CONDUIT.
4. THE CONTRACTOR SHALL BORE, DRILL, OR PUSH WHEN CROSSING EXISTING 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.
5. SPLICING OF COMMUNICATIONS CABLE WILL NOT BE PERMITTED IN PULL BOXES. SPLICING OF COMMUNICATIONS CABLE (CONNECTIONS) WILL BE PERMITTED ONLY AT SPLICE CABINETS OR CONTROLLER CABINETS WITH SPLICE BARS. SPLICING OF TRAFFIC SIGNALS 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.
6. ALL VIDEO DETECTION COAXIAL AND POWER CABLES SHALL BE TAGGED AT THE CONTROL CABINET TO IDENTIFY EACH CABLE BY CAMERA NUMBER AND LOCATION. ALL OPTICAL DETECTOR CABLE SHALL BE TAGGED AT THE CONTROL CABINET TO IDENTIFY EACH BY DIRECTION AND LOCATION.
7. ALL PULL BOXES SHALL BE REINFORCED POLYMER MORTAR HEAVY DUTY TYPE WITH REINFORCED POLYMER MORTAR HEAVY DUTY COVERS. CONCRETE COVERS, STEEL COVERS, AND CONCRETE PULL BOXES WILL NOT BE ACCEPTABLE.
8. 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. TRAFFIC ENGINEERING OPERATIONS PERSONNEL WILL ASSIST THE CONTRACTOR IN 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 TRAFFIC SIGNAL CONTROL DOOR IS OPENED.

THE CONTRACTOR SHALL NOTIFY PUBLIC SERVICE COMPANY 30 DAYS IN ADVANCE OF ANTICIPATED POWER SERVICE CONNECTIONS. THE CONTRACTOR SHALL COORDINATE WITH PUBLIC SERVICE COMPANY TO ESTABLISH ELECTRICAL SERVICE IN THE CITY'S NAME. THE CONTRACTOR SHALL PAY PNM ALL COSTS TO PROVIDE ELECTRICAL SERVICE. THIS WORK WILL BE CONSIDERED INCIDENTAL TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT PNM AT LEAST 48 HOURS IN ADVANCE OF ANTICIPATED CONNECTIONS INTO PNM EQUIPMENT. CALL GARY ZEDALIS AT (505)241-3409.

10. THE CONTRACTOR SHALL REMOVE ALL CONFLICTING SIGNING AND DELIVER TO THE CITY TRAFFIC ENGINEERING YARDS WHEN TRAFFIC SIGNALS ARE PUT INTO OPERATION.
11. 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. UNUSED CONDUCTORS SHALL BE WATERPROOFED USING CRIMPED NYLON WIRE CAPS.
12. 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.
13. FOR CONDUITS CONTAINING ONLY LOW VOLTAGE COMMUNICATIONS CABLES, THE REQUIREMENTS FOR A SINGLE CONDUCTOR BARE COPPER #8 AWG MAY BE WAIVED WHERE PERMITTED BY THE NATIONAL ELECTRIC CODE.
14. THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS PERSONNEL WILL PROVIDE TRAFFIC SIGNAL TIMING PLANS AND WILL PROGRAM TRAFFIC SIGNAL CONTROLLERS.
15. EXISTING CONDUITS TO BE REMOVED OR ABANDONED SHALL HAVE ALL WIRING REMOVED.
16. EXISTING CONDUITS SHALL BE REPAIRED, ADJUSTED, OR REPLACED AS DIRECTED BY THE PROJECT MANAGER WHERE ELECTRICAL PULLBOXES OR TRAFFIC MANHOLES ARE INSTALLED OR REPLACED.
17. THE CONTRACTOR SHALL ARRANGE TO HAVE OFF-DUTY POLICE OFFICERS DIRECT TRAFFIC WHEN SIGNALS ARE TURNED OFF.
18. 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 UTILITY LINES INCLUDING EXPLORATORY TRENCHING WILL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.

INCIDENTAL ITEMS *

1. REMOVAL OF EXISTING PULL BOXES, CONDUITS, OR OTHER SIGNAL EQUIPMENT FOR INSTALLATION OF NEW SIGNAL EQUIPMENT.
2. CABLE TESTING AND DIAGRAMS.
3. BORING, DRILLING, PUSHING, AND TRENCHING, INCLUDING REMOVAL AND REPLACEMENT OF PAVEMENT, SIDEWALKS, DRIVEPADS, 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 EQUIPMENT TO THE CITY TRAFFIC ENGINEERING OPERATIONS YARD.
9. LEAN FILL FOR CONDUIT TRENCHES.
10. PULL BOX ADJUSTMENT 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 FOUNDATIONS.
13. COST FOR PUBLIC SERVICE COMPANY TO PROVIDE ELECTRICAL SERVICE.

* 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 EQUIPMENT REQUIREMENTS

1. THE CONTRACTOR SHALL FURNISH AND INSTALL THE FOLLOWING:
- A. ALL TRAFFIC SIGNAL CONTROLLERS SUPPLIED FOR THIS PROJECT SHALL BE 2/2100 ECONOLITE.
- B. ALL TRAFFIC SIGNAL CONTROLLER CABINETS SUPPLIED FOR THIS PROJECT SHALL BE ONE RING R-TYPE ECONOLITE CABINET.
2. EMERGENCY VEHICLE PRE-EMPT EQUIPMENT SHALL BE 3M "OPTICOM" MODEL 562 PHASE SELECTORS MOUNTED ON 3M "OPTICOM" MODEL 560 RACKS, OR APPROVED EQUAL. ALL RACKS SHALL BE CAPABLE OF PROVIDING FOUR CHANNELS OF DETECTION. PHASE SELECTOR MODULES SHALL BE CAPABLE OF TWO CHANNELS OF DETECTION EACH. OPTICAL DETECTORS SHALL BE 3M "OPTICOM" MODEL 511, 1 CHANNEL, 1 DIRECTION OR APPROVED EQUAL. OPTICAL DETECTOR CABLE SHALL BE 3M "OPTICOM" MODEL 138 OR EQUAL. OPTICAL EMITTERS SHALL BE 3M "OPTICOM" MODEL 592 WITH POWER SUPPLY, CABLE, AND SWITCHES, OR APPROVED EQUAL. A MANUFACTURERS REPRESENTATIVE SHALL ASSIST THE CONTRACTOR IN THE FIELD AS WORK PROGRESSES TO COMPLETE THE INSTALLATION OF ALL PRE-EMPTION EQUIPMENT AND ASSIST IN SETTING UP, TURNING ON, PROGRAMMING AND FIELD TESTING PREEMPTION EQUIPMENT INCLUDING EMITTERS TO INSURE THAT THE EQUIPMENT IS OPERATIONAL.
3. THIS PROJECT INVOLVES THE INSTALLATION OF A MACHINE VISION VEHICLE DETECTION SYSTEM. THEREFORE THE CONTRACTOR SHALL FURNISH AND INSTALL THE FOLLOWING:
- A. SITE SURVEY CERTIFICATE FROM MANUFACTURER INCLUDED WITH SUBMITTAL.
- B. EITHER AN "AUTOSCOPE" SOLO, TRAFICOM OR ITERIS MACHINE VISION VEHICLE DETECTION SYSTEM UNIT, ALL NECESSARY CABLES, HARNESSSES, MATERIALS, FITTINGS, AND MISCELLANEOUS COMPONENTS NECESSARY TO PROVIDE A COMPLETE AND OPERATING SYSTEM AT ONE (1) SIGNALIZED INTERSECTION.
- C. FIVE (5) ZOOM LENS VIDEO CAMERAS, ONE (1) ADDITIONAL VIDEO PROCESSING BOARD AND ONE (1) ADDITIONAL CPU BOARD.
- D. MODEMS AND CABLES SHALL BE FURNISHED AND INSTALLED TO ALLOW REMOTE DETECTOR SET UP AND RETRIEVAL OF DATA IN THE VEHICLE DETECTION UNIT.
- E. COMPUTER SOFTWARE AND HARNESSSES TO CONNECT AND OPERATE THE NEW SYSTEM.
- F. REMOTE ACCESS UNIT AND VIDEO MONITOR UNIT IF REQUIRED TO OPERATE SYSTEM.
- G. VIDEO POWER CABLE SHALL BE A THREE CONDUCTOR #12 AWG TWISTED POWER SERVICE CABLE.
4. THE CONTRACTOR SHALL FURNISH TRAINING FOR THE MACHINE VISION VEHICLE DETECTION EQUIPMENT (1 DAYS), THE VIDEO HARDWARE SYSTEM. THIS TRAINING SHALL BE THIS PERFORMED WHEN THE EQUIPMENT IS FULLY OPERATIONAL. MANUFACTURER'S REPRESENTATIVES SHALL CONDUCT THE TRAINING IN ALBUQUERQUE FOR APPROXIMATELY 10 CITY TRAFFIC ENGINEERING PERSONNEL.
5. ALL SIGNAL ASSEMBLIES, PEDESTRIAN SIGNALS, PEDESTRIAN PUSH BUTTONS, CABINETS, AND FITTINGS SHALL COMPLY WITH THE CITY OF ALBUQUERQUE TYPE AND COLOR REQUIREMENTS. ALL SIGNALS SHALL BE LED, PEDESTRIAN SIGNALS ARE FULL COUNTDOWN LED TYPE.

TRAFFIC SIGNAL LEGEND

NEW	EXISTING	ITEM
		PULL BOX
		SERVICE POLE
		METER PEDESTAL
		CONTROLLER CABINET
		CONDUIT RUN (SIGNALS)
		CONDUIT RUN (INTERCONNECT)
		LOOP DETECTOR
		TRAFFIC SIGNAL PEDESTAL POLE
		CONDUIT RUN NUMBER (SIGNAL)
		CONDUIT RUN NUMBER (POWER SERVICE)
		CONDUIT RUN NUMBER (INTERCONNECT)
		CONDUIT RUN NUMBER (WARNING BEACON)
		TYPE III STANDARD WITH MASTARM, TRAFFIC SIGNAL, BACKPLATE, AND OPTICAL DETECTOR
		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 INDICATED)
		SPLICE CABINET
		TRAFFIC MANHOLE
		VIDEO CAMERA

DEFINITIONS

1. "ENGINEER" - FOR THE PURPOSES OF THIS PROJECT, THE TERM "ENGINEER" IS SYNONYMOUS WITH THE TERM "PROJECT MANAGER".

SCANNED BY: MESA REPRO

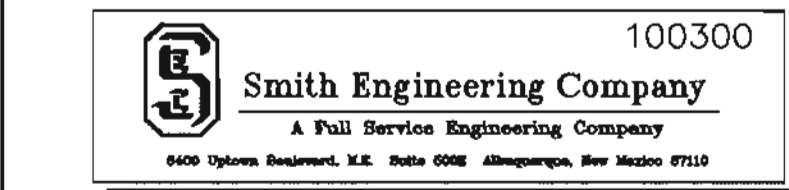
AS-BUILT INFORMATION		CONTRACTOR: CEM, Inc.		DATE: 10/1/01	
STAKE: 100300		INSPECTOR'S SIGNATURE: [Signature]		DATE: 10/1/01	
SEC. 101		VERIFICATION BY: CDA		DATE: 10/1/01	
SEC. 101		CORRECTED BY: SEC.		DATE: 10/1/01	
MICRO-FILM INFORMATION		RECORDED BY:		DATE:	
NO.		NO.		NO.	

BENCH MARKS		A.C.S. CONTROL MONUMENT "10-K10"		ELEV. (NGVD 29) = 5,142.79'	
3-1/4" AL. CAP IN CONC. CURB		S.W. COR. UNSER & LOS VOLCANES		N 1,487,056.22 : E 357,375.04	
DELTA ALPHA = -016°27"		COMBINED FACTOR=0.999675701 (PROJECT)			

SURVEY INFORMATION		FIELD NOTES		DATE: 2000	
BY: STEVE TOLER		NO. 11999			

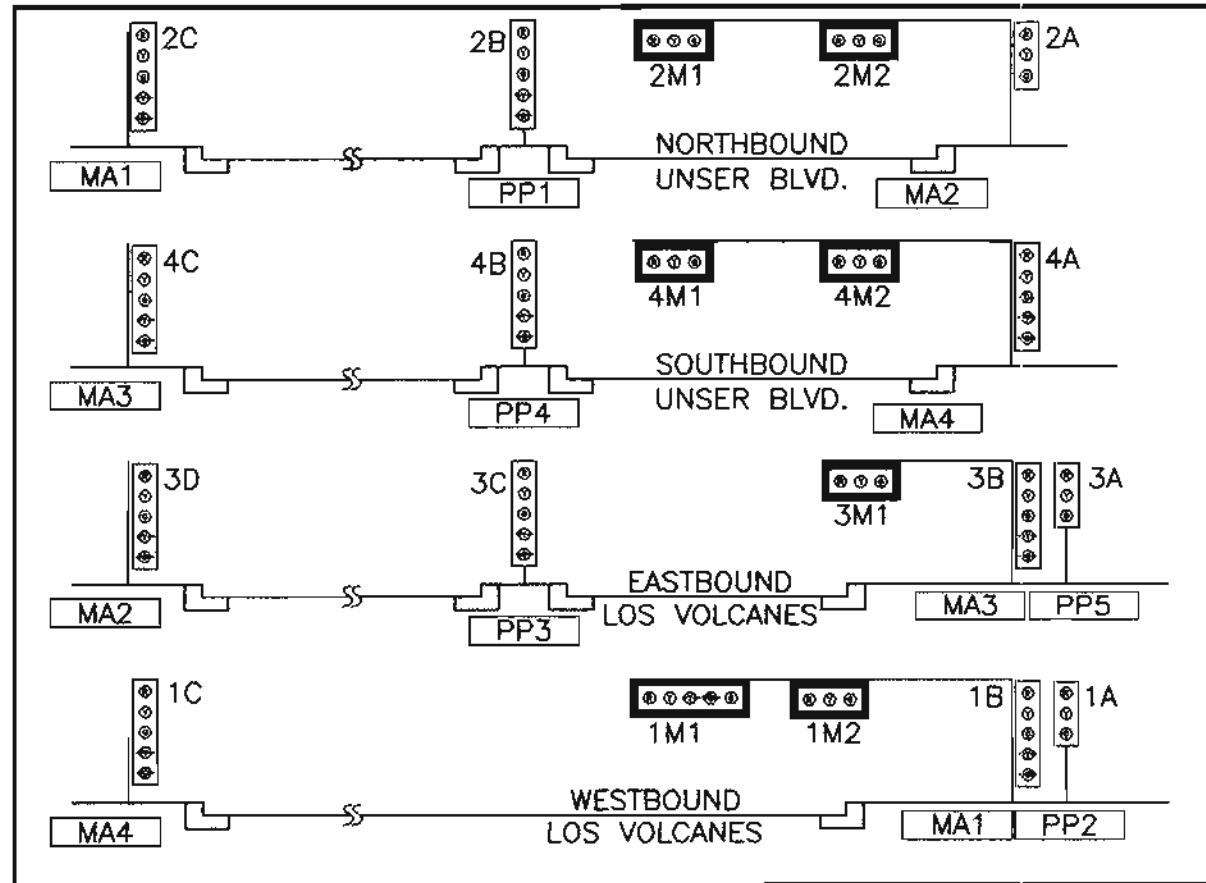
ENGINEERS SEAL		REVISIONS		DESIGN	
P. J. CONLEY		10141		10/1/01	

REMARKS		BY		DATE	
DESIGNED BY: PJC		DATE: 4/02			
DRAWN BY: EAD		DATE: 4/02			
CHECKED BY: PJC		DATE: 4/02			



	CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM			
	TITLE: WEST SIDE TRANSIT FACILITY TRAFFIC SIGNAL GENERAL NOTES			
Design-Review-Committee APPROVE JUL - 1 2002 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVE JUL - 1 2002 CITY ENGINEER	Least Design Update [Signature]	No. / Day / Yr. [Signature]	No. / Day / Yr. [Signature]
City Project No. 5658.01	Zone Map No. J-9-Z	Sheet 25	Of 61	

TRAFFIC SIGNAL CONFIGURATION BY APPROACH



CONTRACTOR TO COORDINATE CONNECTION OF SIGNAL POWER AND METER LOCATION WITH FNM.

OPTICAL DETECTOR CABLE

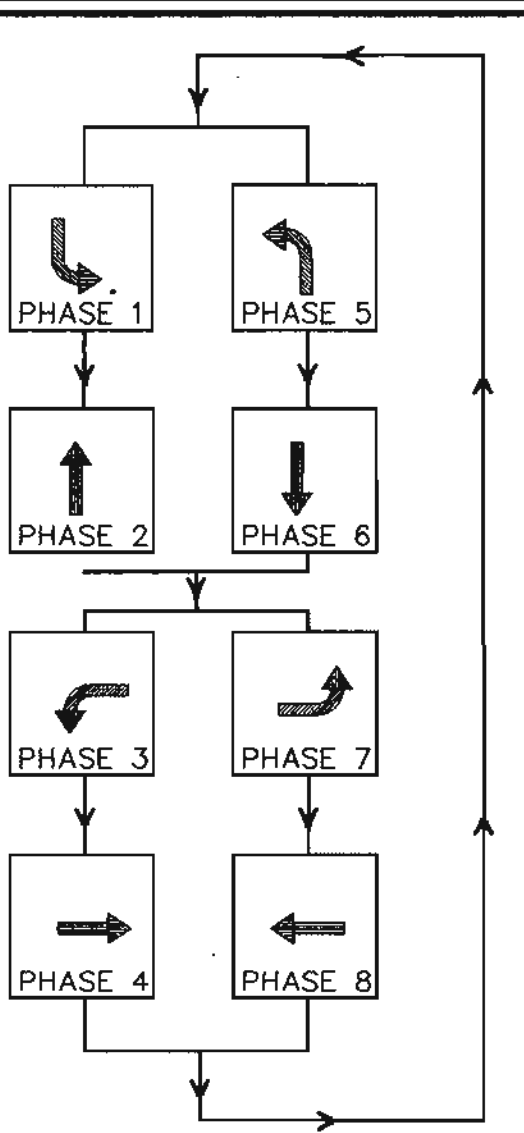
FROM	TO	CONDUIT TRACE	NO PAIR x LENGTH	TOTAL LENGTH
MA2	CC	MA2-8-7-5-2	1 @ 265'	265'
MA4	CC	MA4-26-23-25-2	1 @ 280'	280'
TOTAL				545'

VIDEO DETECTOR CABLE*

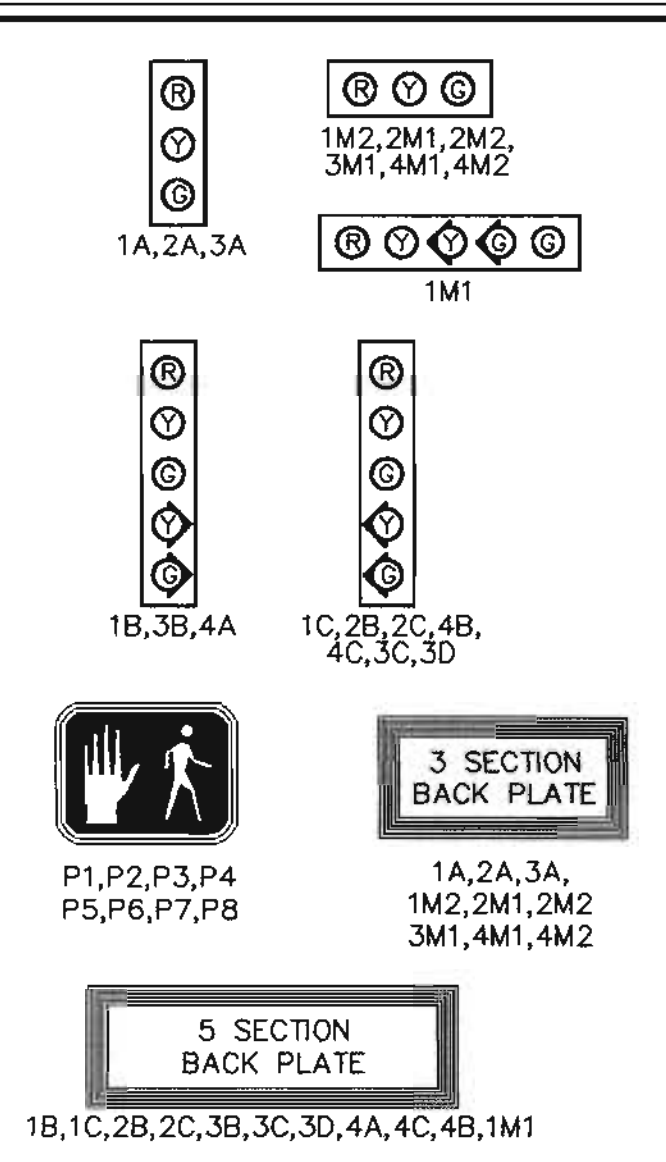
FROM	TO	CONDUIT TRACE	NO PAIR x LENGTH	TOTAL LENGTH
MA1	CC	MA1-25-2	1 @ 155'	155'
MA2	CC	MA2-8-7-5-2	1 @ 270'	270'
MA3	CC	MA3-16-13-11-9-7-5-2	1 @ 435'	435'
MA4	CC	MA4-26-23-25-2	1 @ 285'	285'
TOTAL				1145'

* VIDEO COAXIAL CABLE AND POWER CABLE

SIGNAL PHASING



TYPICAL SIGNAL FACE LENS ARRANGEMENTS



LIGHTING CABLE

FROM	TO	CONDUIT TRACE	TOTAL LENGTH
MA1	CC	MA1-L10-L1	155'
MA2	CC	MA2-L11-L3-L2-L1	270'
MA3	CC	MA3-L12-L6-L5-L4-L3-L2-L1	435'
MA4	CC	MA4-L9-L8-L7-L1	285'
TOTAL			1145'

STREET LIGHTING CONDUIT LENGTHS

ID#	3" CONDUIT LENGTH(FT)
L1	20
L2	85
L3	55
L4	70
L5	45
L6	35
L7	65
L8	75
L9	50
L10	65
L11	35
L12	35

MASTARMS AND PED POLES

ID#	TYPE	STATION	OFFSET	NORTHING	EASTING
MA1	MASTARM - TYPE III - 30'	16+96.55	43.68' LT.	1487602.25	1497931.90
MA2	MASTARM - TYPE III - 30'	18+54.65	53.25' LT.	1487689.67	1498063.98
MA3	MASTARM - TYPE III - 15'	18+55.99	27.40' RT.	1487620.52	1498105.50
MA4	MASTARM - TYPE III - 30'	17+33.00	46.62' RT.	1487542.33	1498008.66
PP1	PED POLE - TYPE 1 - 15'	17+96.65	78.69' LT.	1487682.66	1498001.04
PP2	PED POLE - TYPE 1 - 13'	19+02.20	36.25' LT.	1487698.76	1498113.66
PP3	PED POLE - TYPE 1 - 15'	18+82.45	4.00' RT.	1487654.03	1498116.70
PP4	PED POLE - TYPE 1 - 15'	17+75.48	57.32' RT.	1487554.33	1498050.78
PP5	PED POLE - TYPE 1 - 13'	16+79.10	27.88' RT.	1487531.58	1497952.61

NOTE:
ALL LOCATION INFORMATION SHOWN IS APPROXIMATE ONLY.
FIELD VERIFY AS TO AVOID CONFLICTS WITH EXISTING UTILITIES.

ABBREVIATIONS

MA1	MASTARM NUMBER
PP1	PEDESTAL POLE NUMBER
CC1	CONTROL CABINET NUMBER
SC1	SPLICE CABINET NUMBER
PB1	PULL BOX NUMBER (SIGNALS)
PBS1	PULL BOX NUMBER (POWER)
3A	SIGNAL HEAD NUMBER
P1	PEDESTRIAN SIGNAL NUMBER
BP	BACK PLATE

SYMBOL KEY

MA1	SIGNAL & CABINET ID
3A	CONDUIT RUN ID
S1	CONDUIT RUN ID (POWER SERVICE)

FLASH CONDITION *

RED HEADS	1A,1B,1C,1M1,1M2
RED HEADS	3A,3B,3C,3D,3M1,3M2
RED HEADS	2A,2B,2C,2M1,2M2
RED HEADS	4A,4B,4C,4M1,4M2

INITIALIZATION

ALL RED, THEN PHASE 2 AND 6 GREEN

NOTES

1. PULL BOXES ARE LARGE SIZE

DWL ARCHITECTS
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OF NEW MEXICO
202 CENTRAL AVE. S.E.
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FAX (505) 242-4159
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EMAIL DWL@DWL6.COM

Smith Engineering Company
A Full Service Engineering Company
6000 Optima, Brentwood, N.E. Suite 6000 Albuquerque, New Mexico 87112
100300

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
TITLE: WEST SIDE TRANSIT FACILITY
SIGNALIZATION PLAN FOR UNSER AND LOS VOLCANES

Design Review Committee
City Engineer Approval
Last Design Update
City Project No. 5658.01
Zone Map No. J-9-Z
Sheet 26 of 61

AS BUILT INFORMATION
CONTRACTOR: COM, INC.
START DATE: 10/01/01
COMPLETION DATE: 04/01/02
INSPECTOR'S VERIFICATION BY: DATE: 04/01/02
FIELD VERIFICATION BY: DATE: 04/01/02
CORRECTED BY: DATE: 04/01/02
MICRO-FILM INFORMATION
RECORDED BY: DATE: 04/01/02
NO.

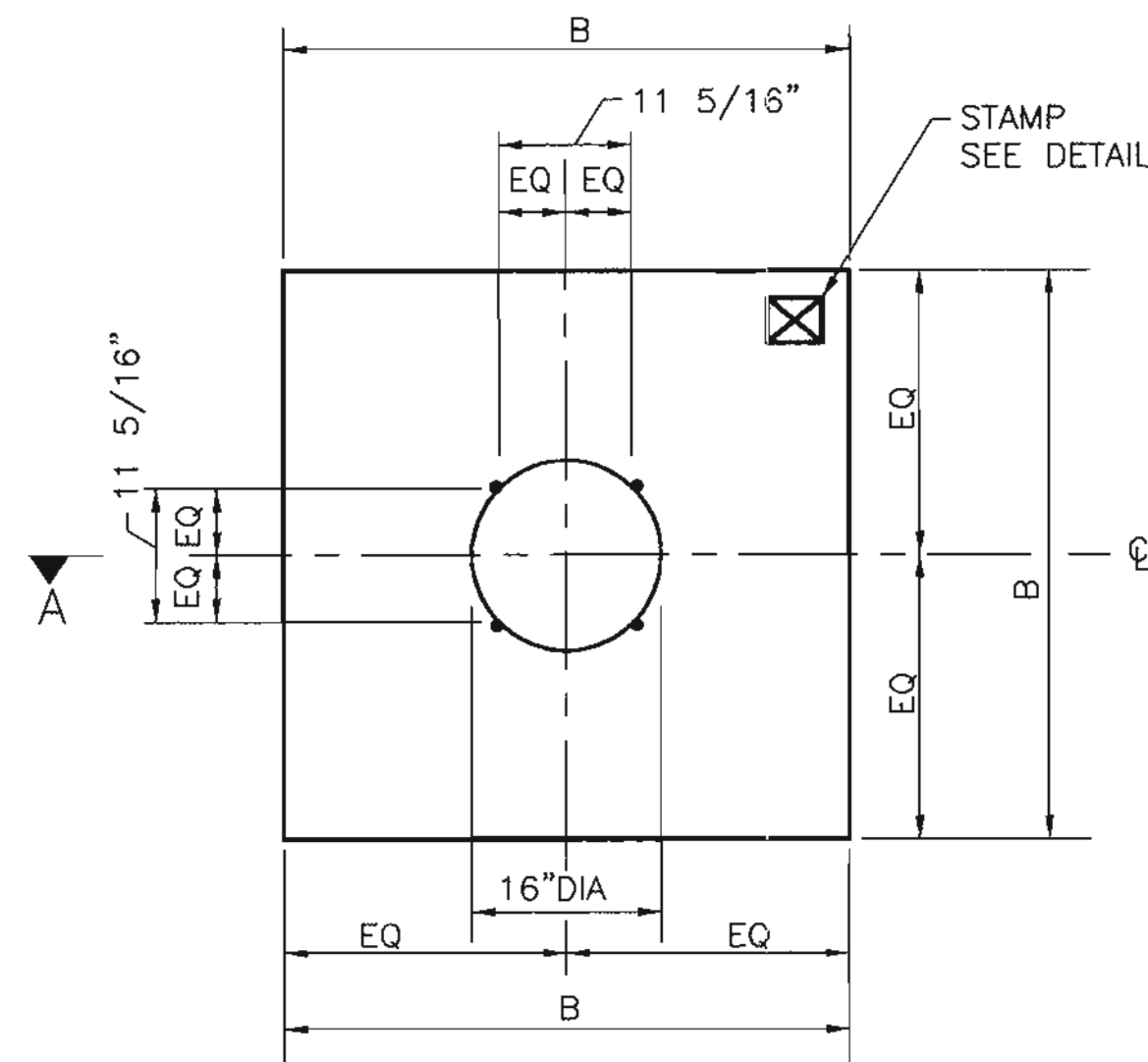
BENCH MARKS
A.C.S. CONTROL MONUMENT "10-K10"
ELEV. (NGVD 29) = 5,142.79'
3-1/4" AL. CAP IN CONC. CURB
S.W. COR. UNSER & LOS VOLCANES
N 1,487,056.22 : E 357,375.04
DELTA ALPHA = -0°16'27"
COMBINED FACTOR = 0.999675701 (PROJECT)

SURVEY INFORMATION
FIELD NOTES
DATE: 2000
BY: STEVE TOLER
NO. 11599

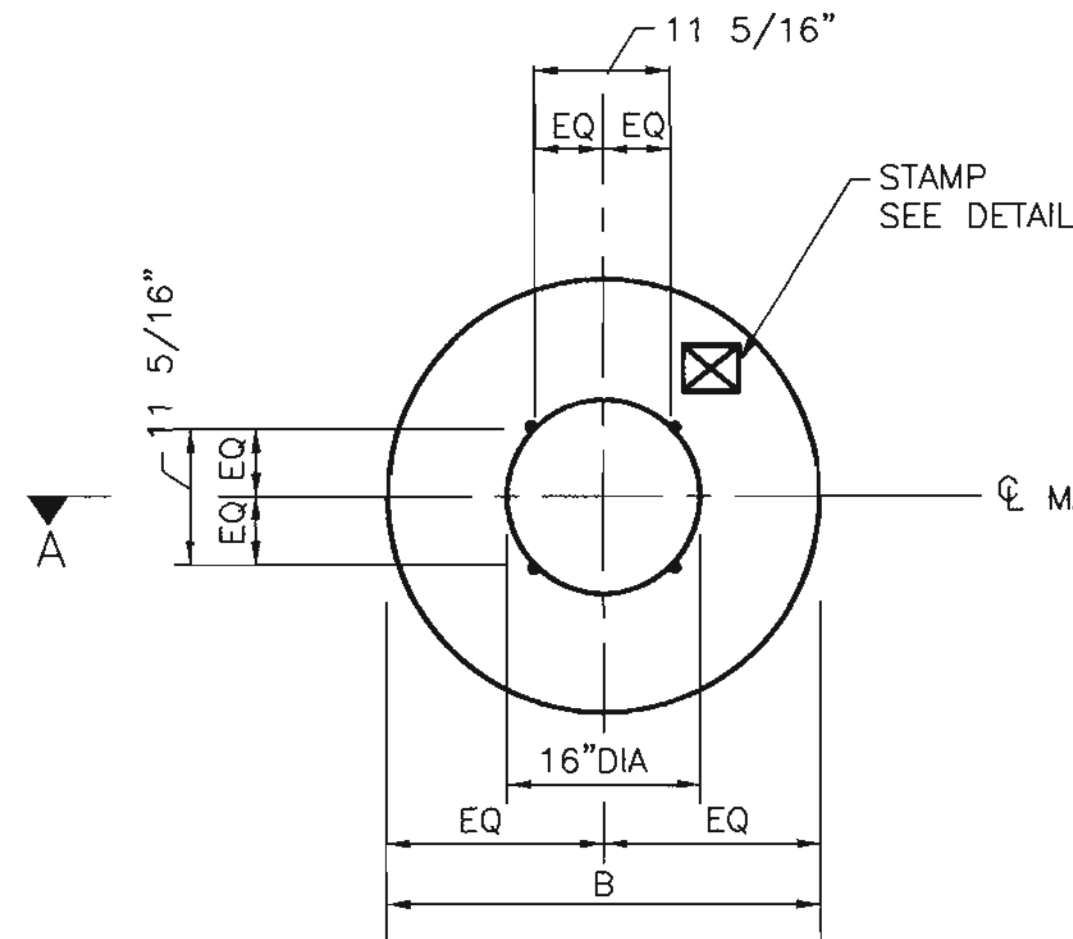
ENGINEERS SEAL
J. CONLEY
REGISTERED PROFESSIONAL ENGINEER
10141
5/18/02

REMARKS
REVISIONS
DESIGN
NO. DATE
BY PUC
DATE 4/02
EAD
DATE 4/02
PUC
DATE 4/02

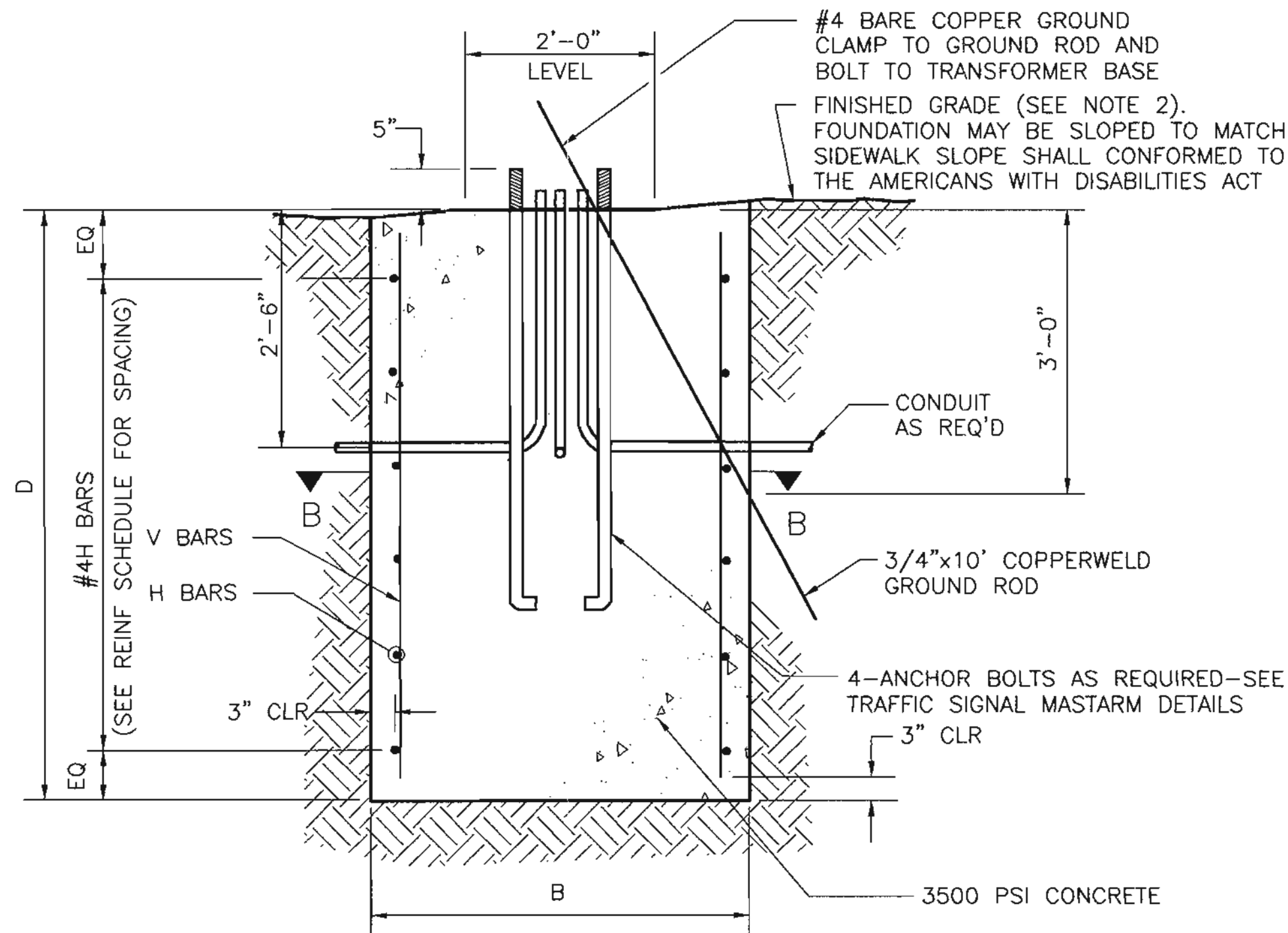
SCANNED BY
MESA REPRO



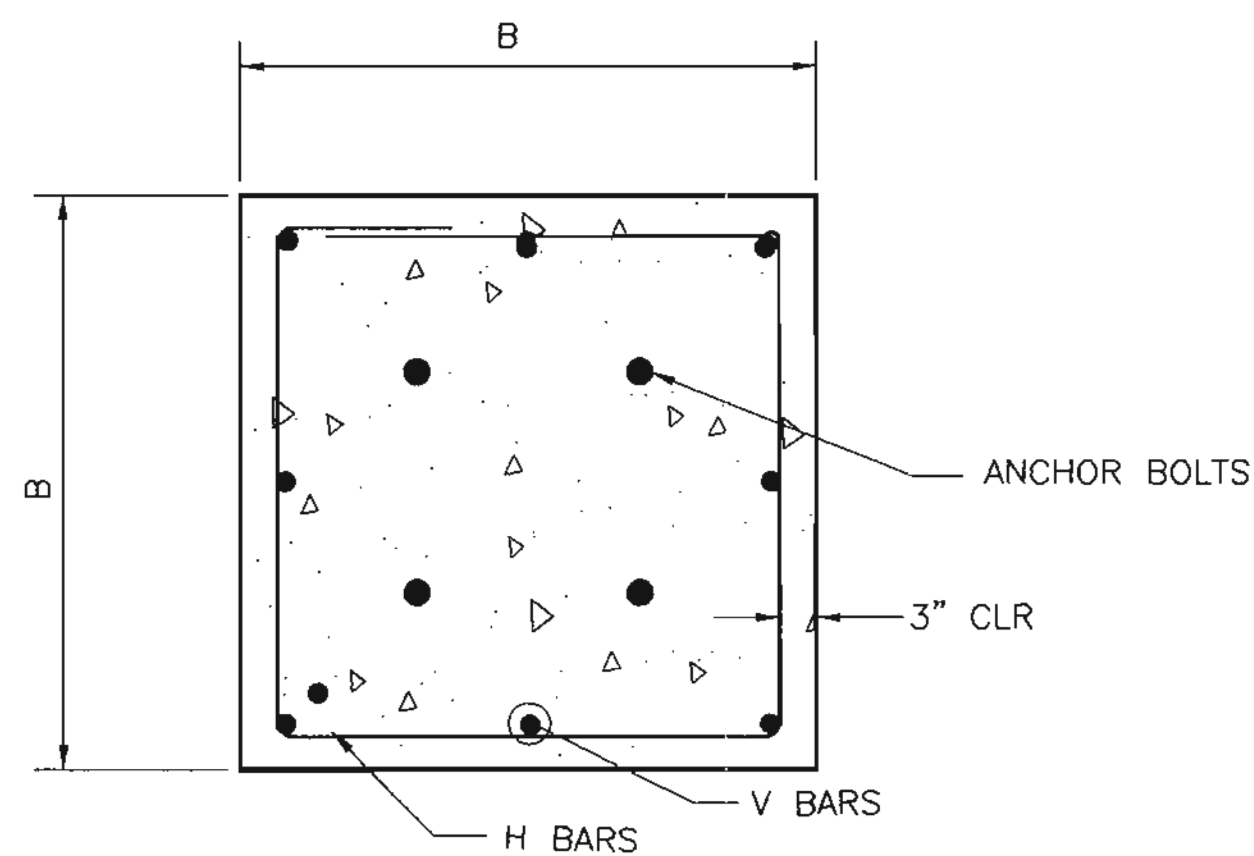
PLAN VIEW (SQUARE)
NO SCALE



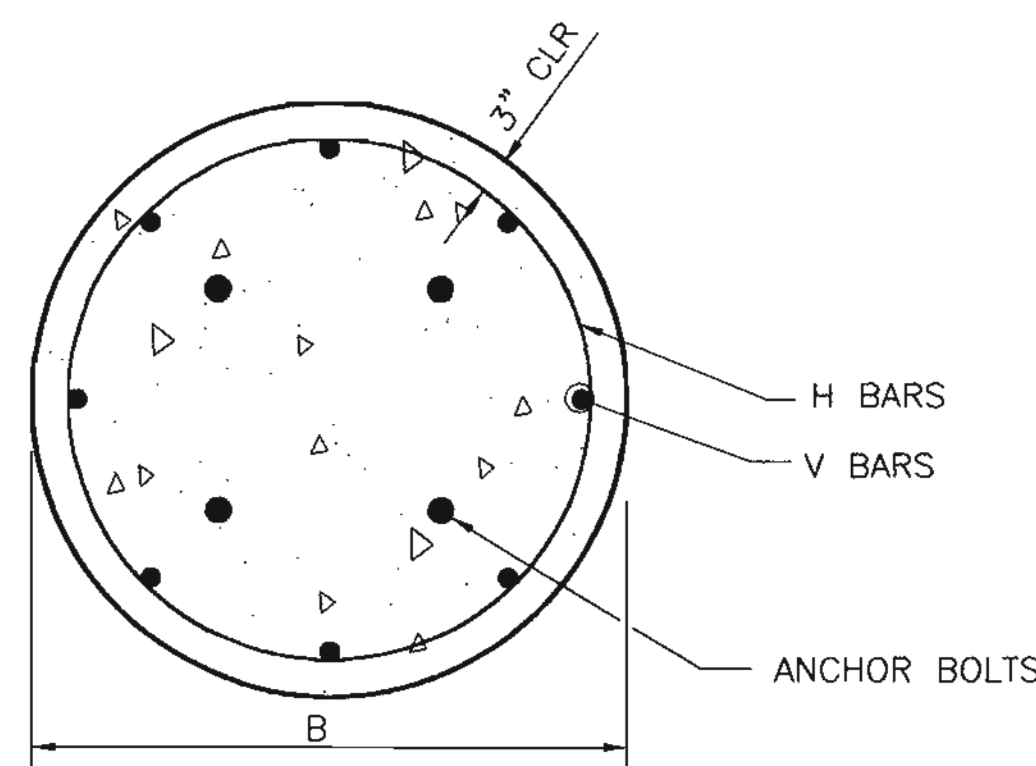
PLAN VIEW (ROUND)
NO SCALE



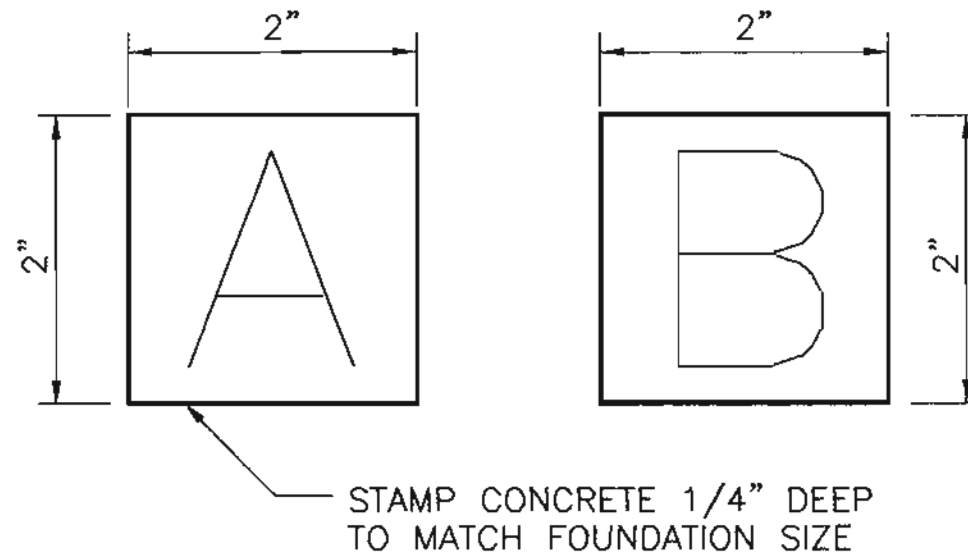
SECTION A-A (ROUND OR SQUARE)
NO SCALE



SECTION B-B (SQUARE)
NO SCALE



SECTION B-B (ROUND)
NO SCALE



STAMP DETAIL
NO SCALE

TRAFFIC SIGNAL MASTARM FOUNDATION NOTES

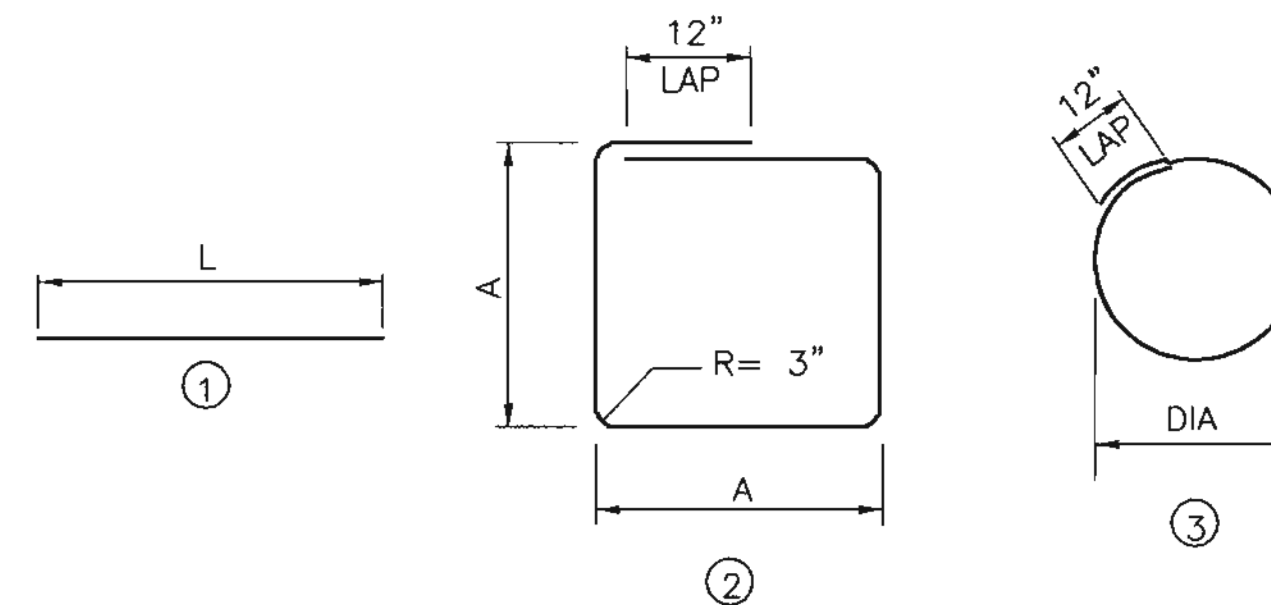
- REFER TO THE PLANS FOR LOCATIONS OF TRAFIC SIGNAL MASTARM FOUNDATIONS.
- FINISHED GRADE FOR THE FOUNDATIONS SHALL BE ESTABLISHED IN THE FIELD BY THE PROJECT MANAGER.
- THE FOUNDATIONS SHOWN HERE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT REVISION.
- CONCRETE SHALL BE 3500 PSI FOR EXTERIOR STRUCTURES. REFER TO TABLE 101.C OF THE SPECIFICATIONS.
- REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 60.
- 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 LINES MAY BE CAST AGAINST THE EARTH.
- THE CONCRETE SHALL GAIN 80% OF THE DESIGN STRENGTH PRIOR TO INSTALLING THE TRAFFIC SIGNAL MASTARM.
- 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.
- ALL FOUNDATIONS SHALL BE STAMPED EITHER "A" OR "B" TO SHOW TYPE CONSTRUCTED (SEE STAMP DETAIL).

FOUNDATION DIMENSIONS AND QUANTITIES

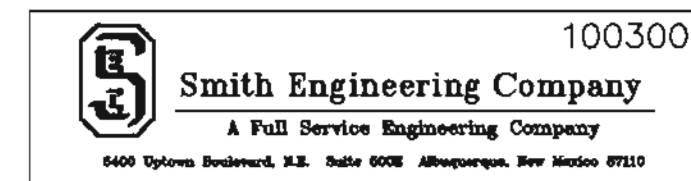
FOUNDATION TYPE	SIGNAL ARM SPAN(FT)	DIMENSION		REINFORCING		REBAR POUNDS	3500 PSI CONCRETE CUBIC YARDS	NOTES
		B (WIDTH)	D (DEPTH)	V BARS MARK	H BARS MARK			
TYPE A (SQUARE)	15	3'-6"	5'-0"	#4V2	#3H2	49.1	2.27	
	20	"	"	"	"	"	"	
	25	"	"	"	"	"	"	
TYPE B (SQUARE)	30	4'-0"	6'-3"	#5V1	#3H1	82.6	3.70	
	35	"	"	"	"	"	"	
	40	"	"	"	"	"	"	
TYPE A (ROUND)	15	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.
	20	"	"	"	"	"	"	
	25	"	"	"	"	"	"	
TYPE B (ROUND)	30	3'-0"	11'-9"	#7V3	#3H3	179.7	3.08	
	35	"	"	"	"	"	"	
	40	"	"	"	"	"	"	

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



BAR BENDING DIAGRAM



CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
TITLE: WEST SIDE TRANSIT FACILITY
TRAFFIC SIGNAL FOUNDATION DETAILS

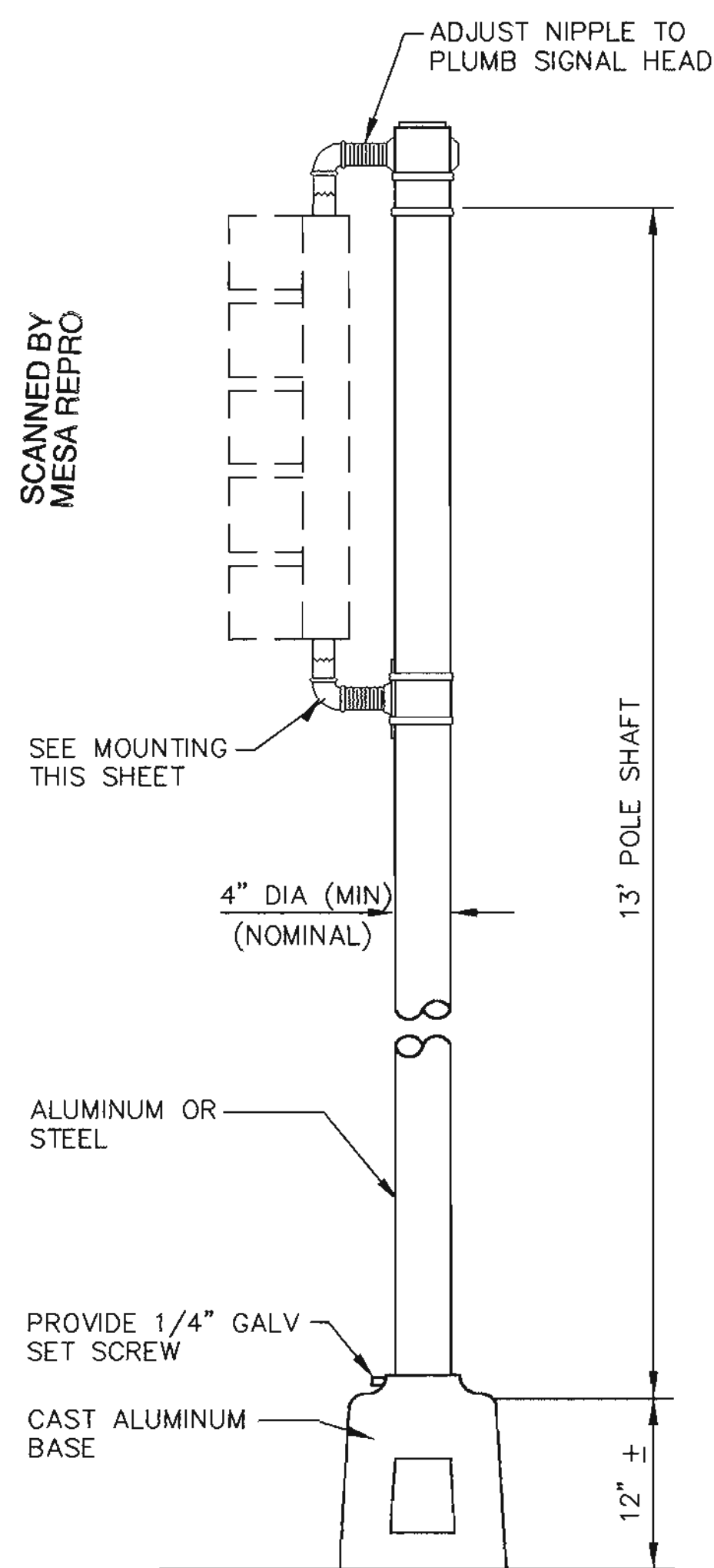
Design Review Committee	City Engineer Approval	Last Design Update	No. / Day / Yr.	No. / Day / Yr.
C.O.A.	STD.			

City Project No. 5658.01 Zone Map No. J-9-Z Sheet 28 of 61

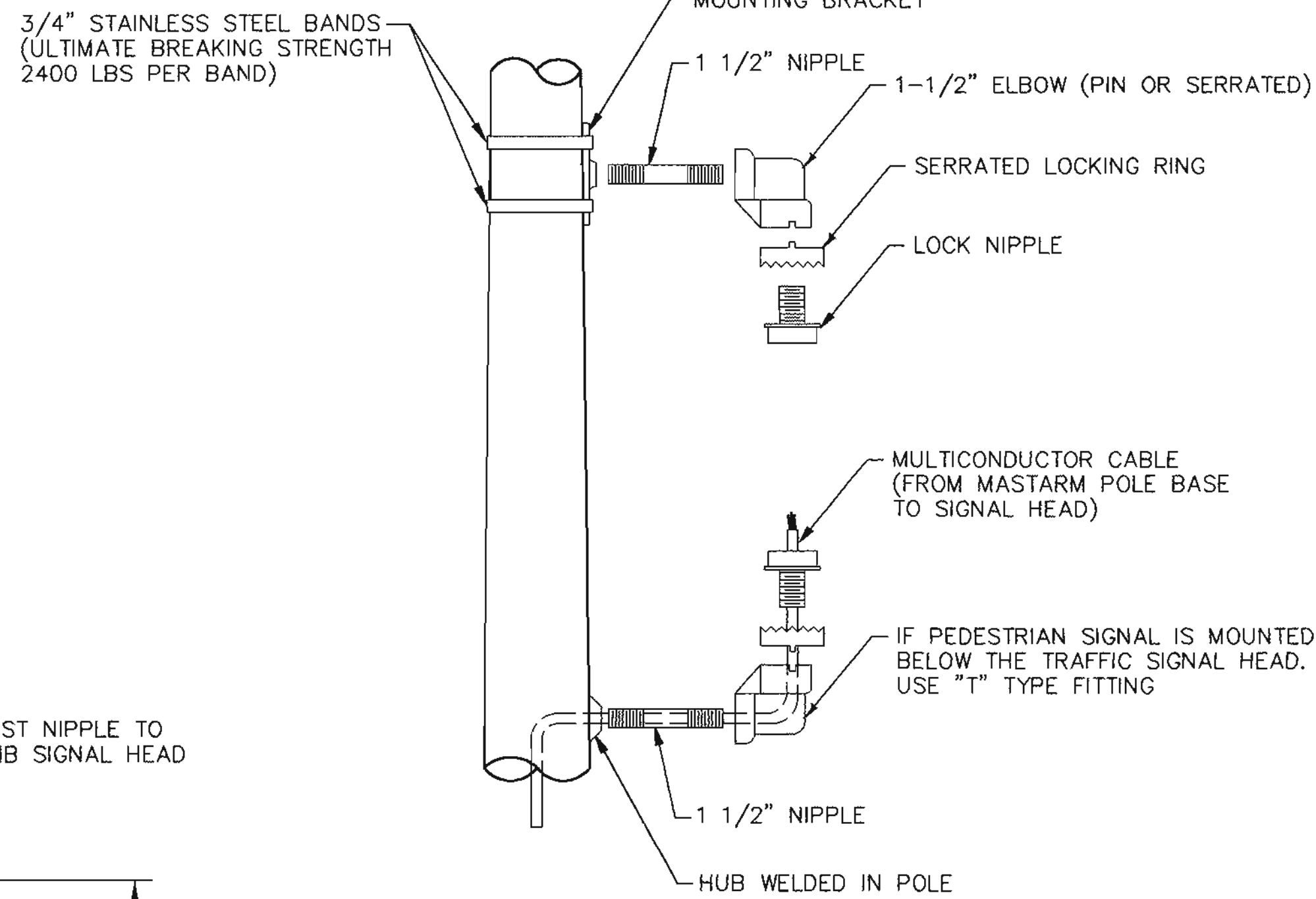
AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEERS SEAL	
CONTRACTOR	DATE	INSPECTOR	DATE	FIELD BY	DATE	REMARKS	BY
CM, Inc.	04/04/02	SEC	04/04/02	NO.			
INSPECTOR	DATE	FIELD BY	DATE				
SEC	04/04/02	NO.					
VERIFICATION BY	DATE						
COA	04/04/02						
VERIFICATION BY	DATE						
SEC	04/04/02						
VERIFICATION BY	DATE						
SEC	04/04/02						
RECORDED BY	DATE						
NO.							

C.O.A.
STD.

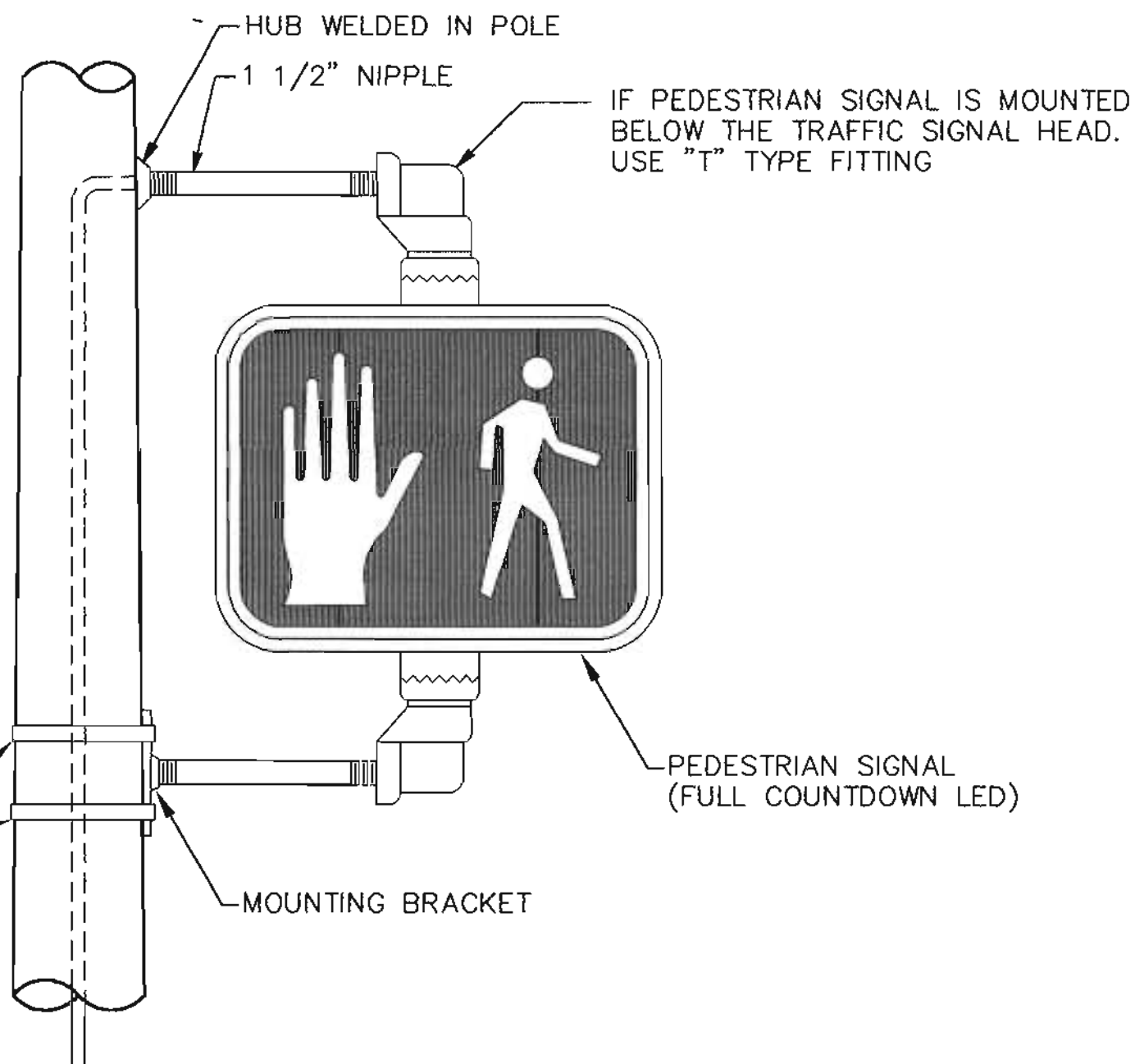
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MESA REPRO



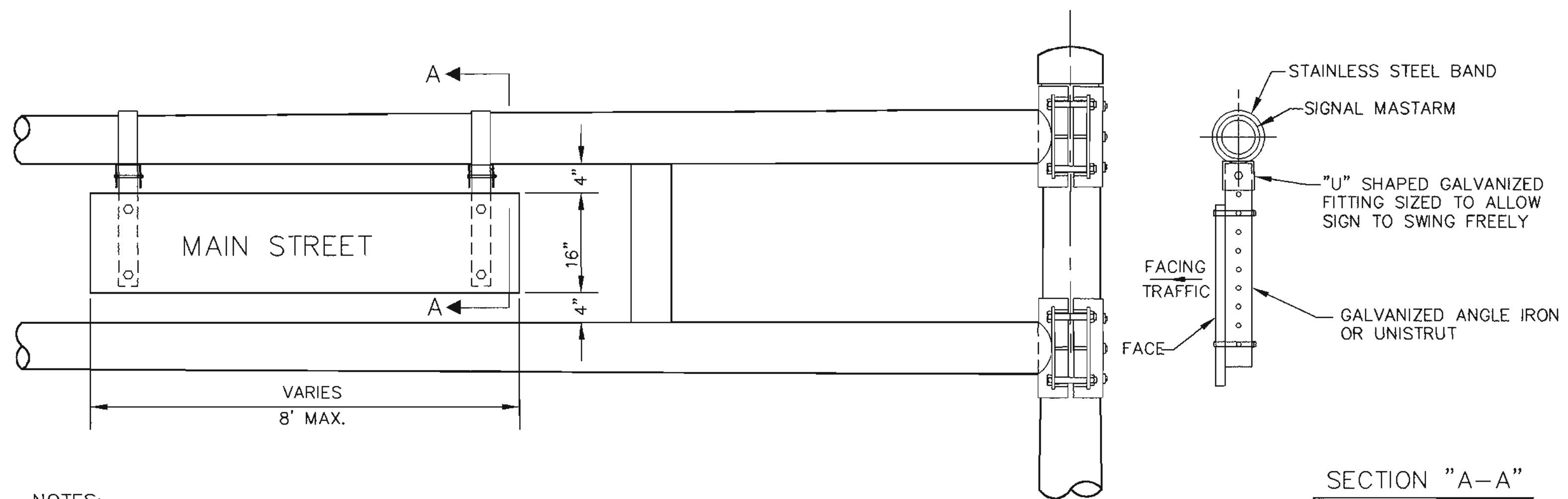
NOTE:
14' MINIMUM FROM
BOTTOM OF BASE
(ASSEMBLED LENGTH)



3/4" STAINLESS STEEL BANDS
(ULTIMATE BREAKING STRENGTH
2400 LBS PER BAND)



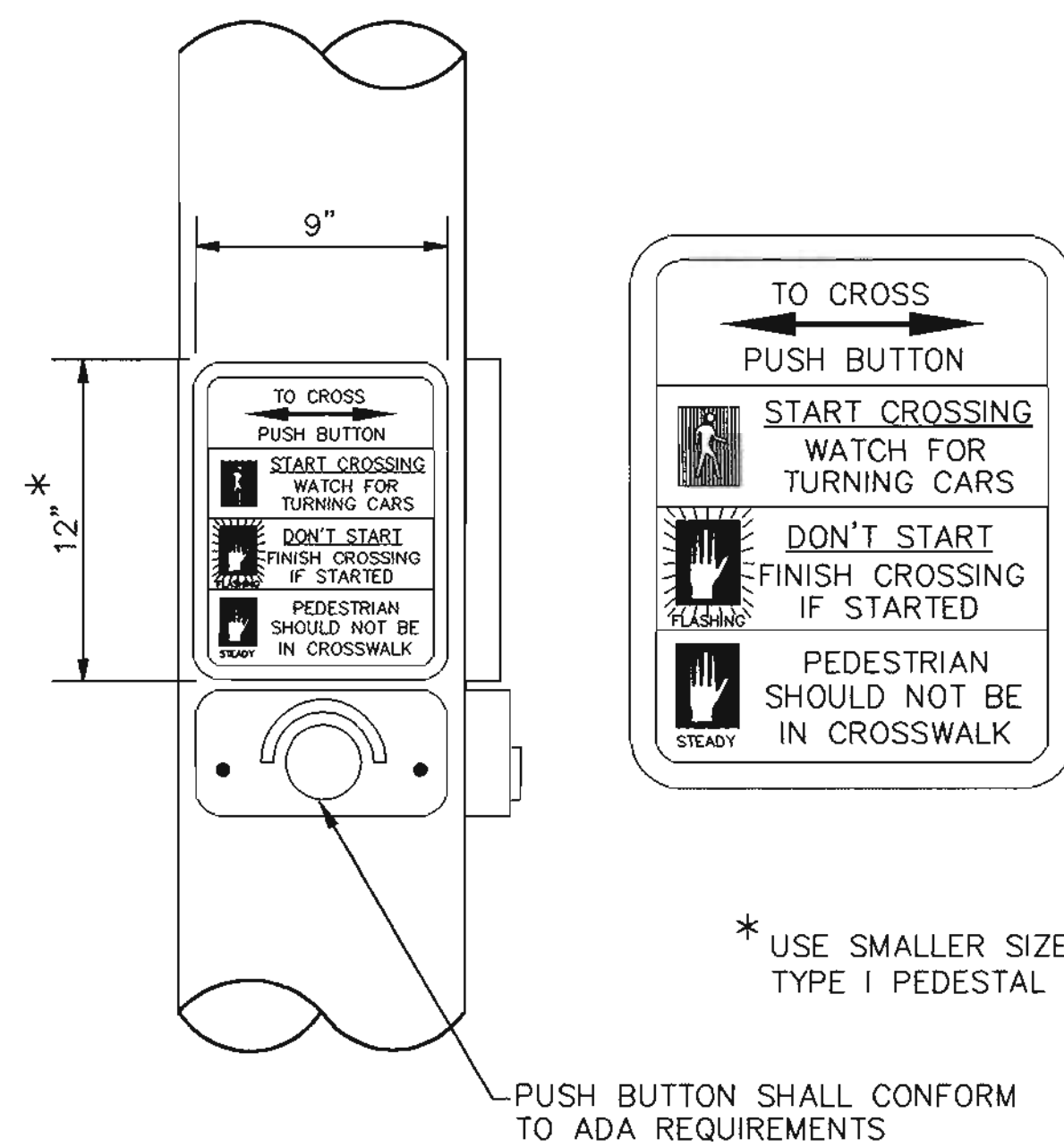
PEDESTRIAN SIGNAL DETAILS



NOTES:

1. CONTRACTOR TO CONFIRM STREET SIGN LAYOUT WITH CITY OF ALBUQUERQUE. CONTACT EDWARD TOLEDO AT 857-8004.
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.
3. SIGN SHALL SHOW STREET DESIGNATION, CITY QUADRANT AND CITY BLOCK NUMBER.

STREET NAME SIGN 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 FORWARD 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.



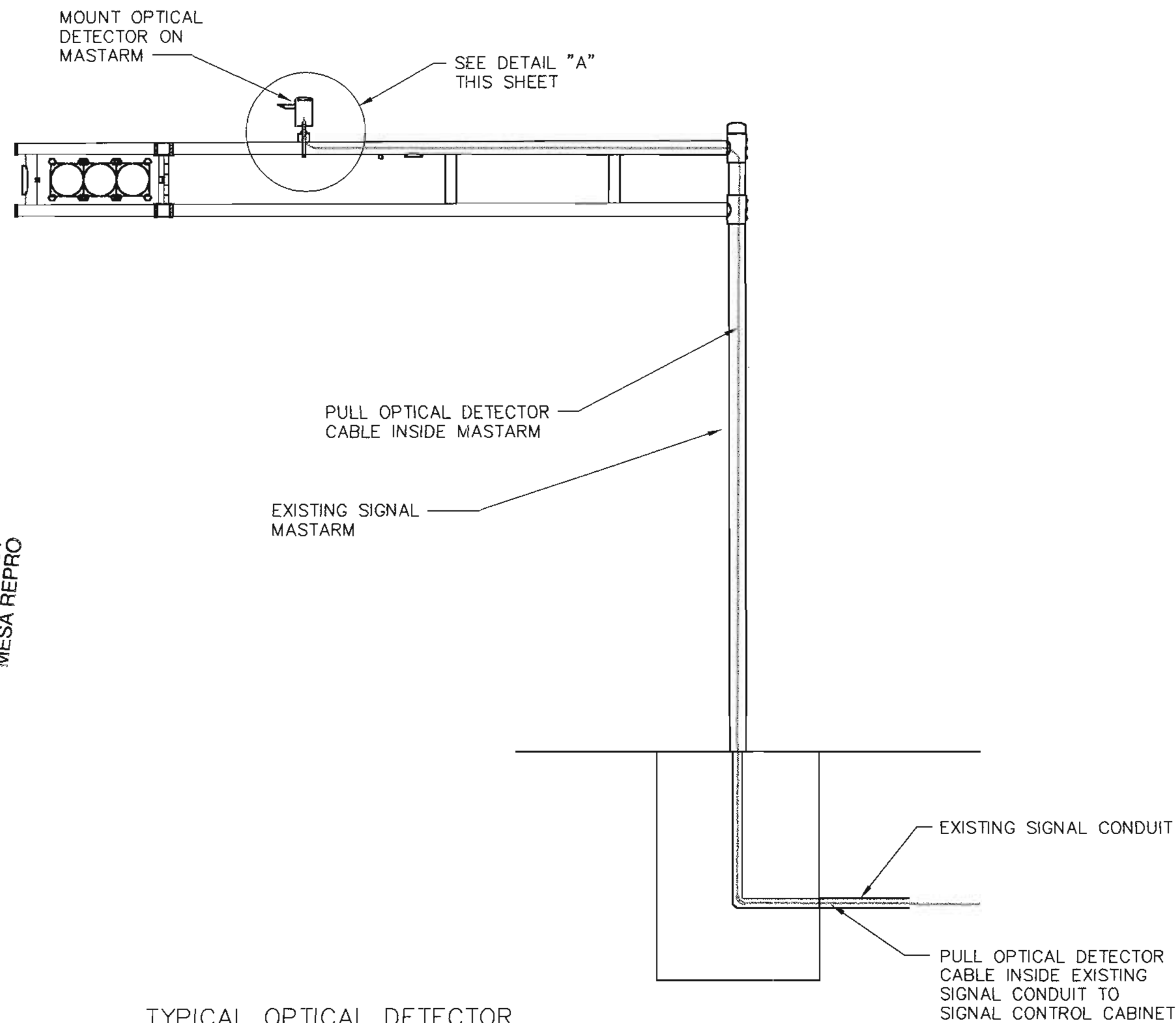
100300 Smith Engineering Company A Full Service Engineering Company 6400 Olympus Boulevard, N.E. Suite 8000 Albuquerque, New Mexico 87112	
CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM	
TITLE: WEST SIDE TRANSIT FACILITY TRAFFIC SIGNAL MISCELLANEOUS DETAILS	
Design Review Committee	City Engineer Approval
C.O.A.	STD.
City Project No. 5658.01	Zone Map No. J-9-Z
Sheet 29	Of 61

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEERS SEAL	
CONTRACTOR	DATE	NO.	DATE	NO.	DATE	NO.	DATE
INSPECTOR	DATE	NO.	DATE	NO.	DATE	NO.	DATE
VERIFICATION BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE
CORRECTED BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE
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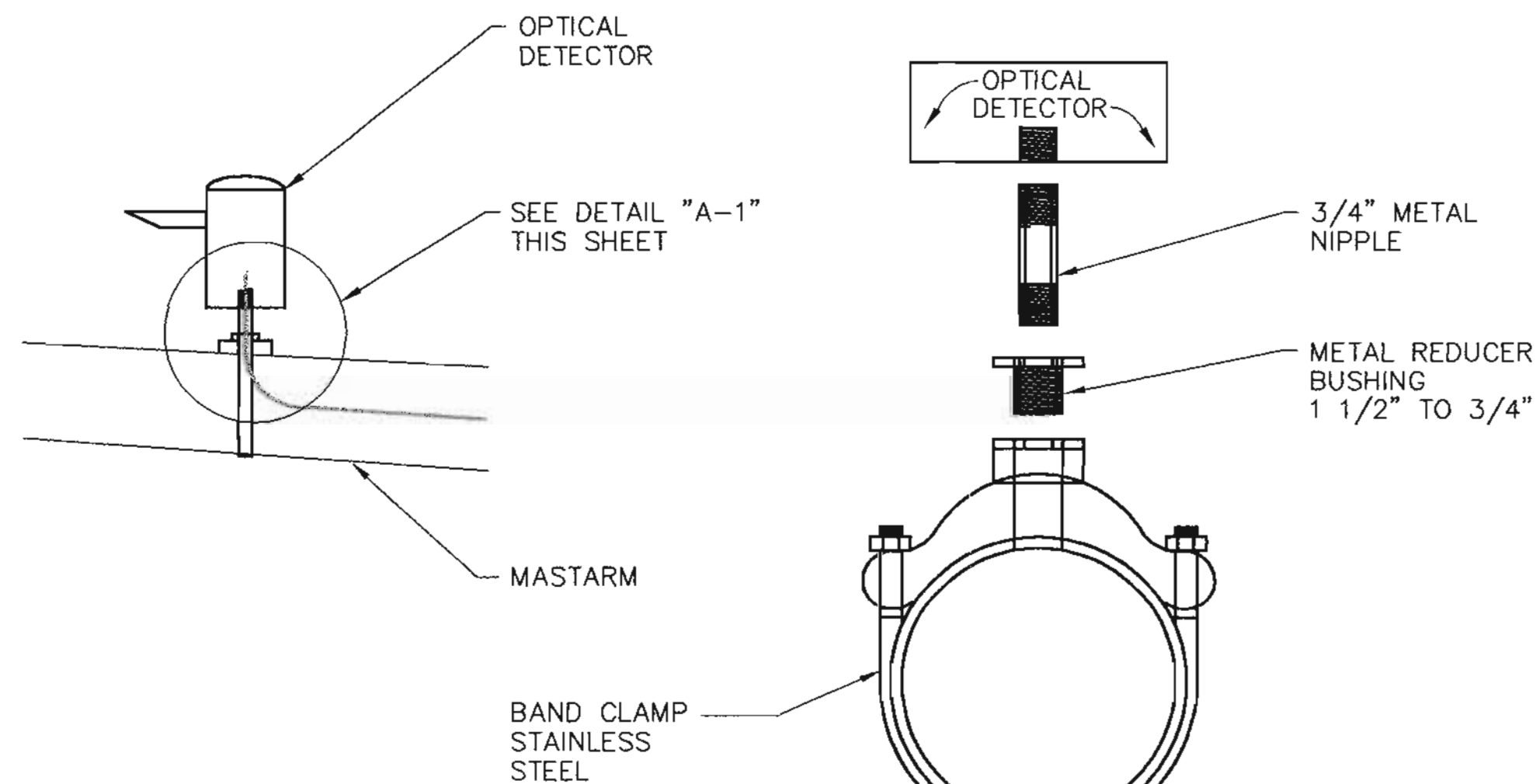
C.O.A.
STD.

REVISIONS	BY	DATE
DESIGN	PJC	4/02
EAD	4/02	
PJC	4/02	

SCANNED BY
MESA REPRO

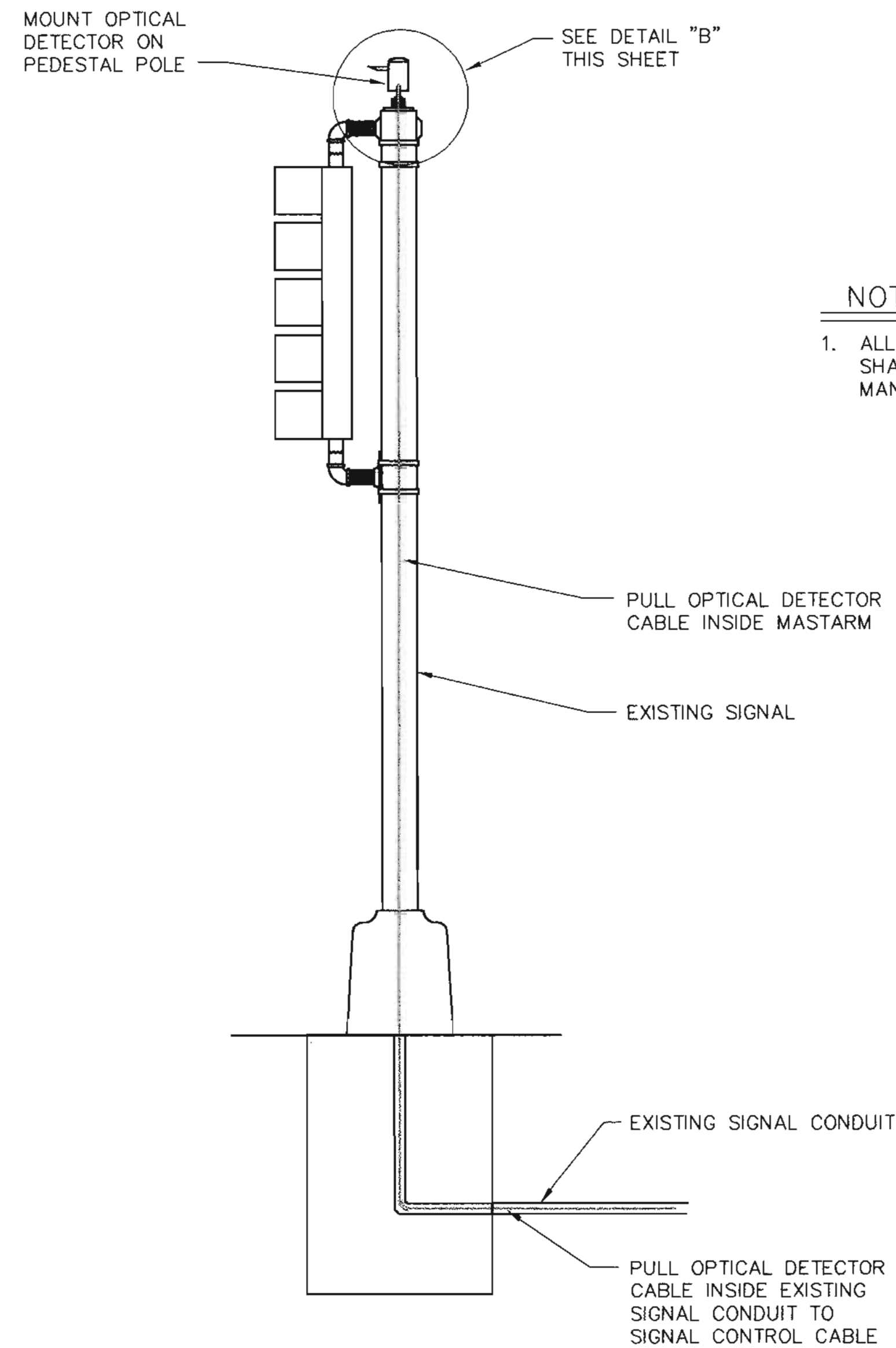


TYPICAL OPTICAL DETECTOR
INSTALLATION - MASTARM



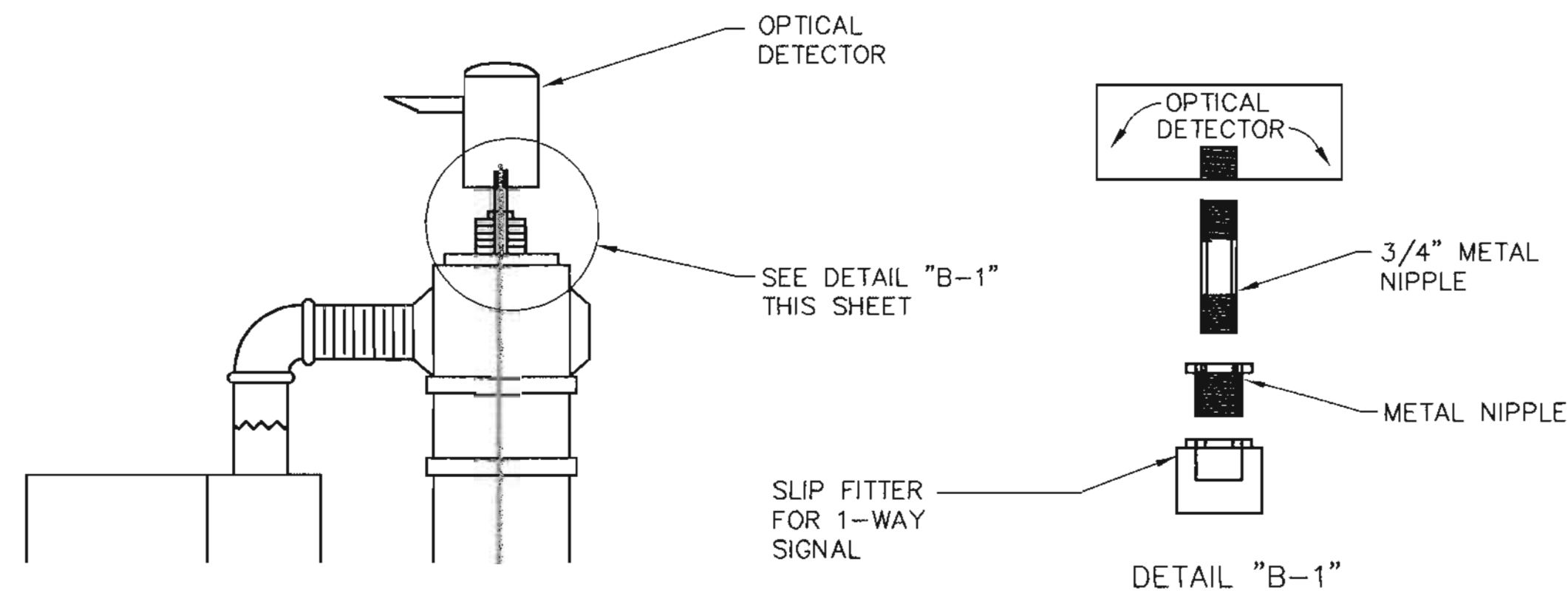
OPTICAL DETECTOR
MOUNTING - DETAIL "A"

DETAIL "A-1"



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"

NOTES:

1. ALL OPTICAL DETECTOR MOUNTING HARDWARE SHALL CONFORM TO OPTICAL DETECTOR MANUFACTURER'S REQUIREMENTS.



CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM	
TITLE: WEST SIDE TRANSIT FACILITY OPTICAL DETECTOR INSTALLATION DETAILS	
Design Review Committee	City Engineer Approval
C.O.A. STD.	C.O.A. STD.
City Project No.	Zone Map No.
5658.01	J-9-Z
Sheet	Of
30	61

REVISIONS	DATE	BY
DESIGN	4/02	
DESIGNED BY	PUC	
DRAWN BY	EAD	
CHECKED BY	PUC	

AS BUILT INFORMATION	CONTRACTOR	DATE
	C.M., Inc.	

SURVEY INFORMATION	FIELD NOTES	DATE

ENGINEERS SEAL	C.O.A. STD.

Z:\Civ_Cadd\100300 West Side Transit Facility\Options\Design Document\131-Mast- det112.dwg Thu May 23 15:00:16 2002

SCANNED BY
MESA REPRO

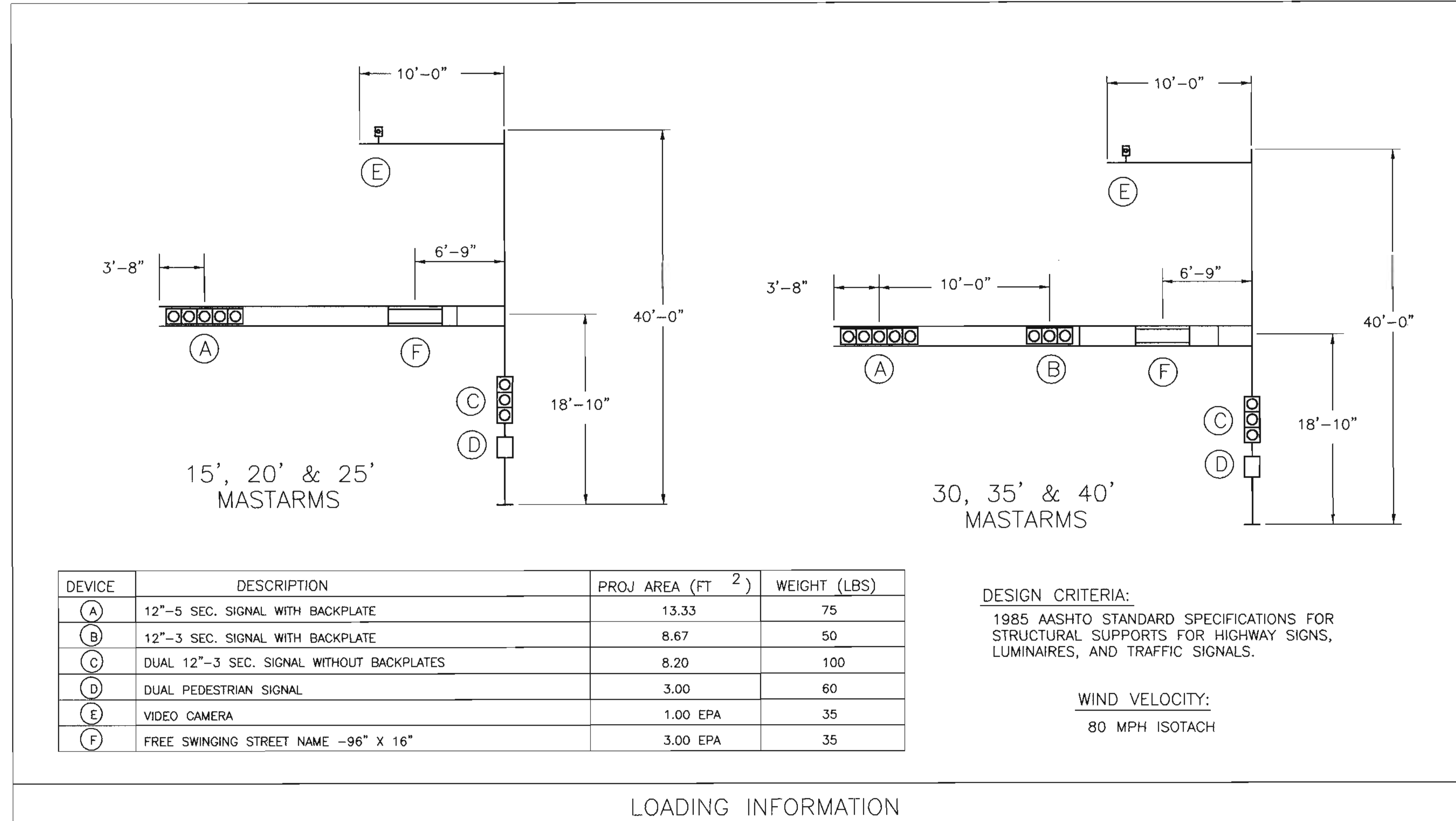
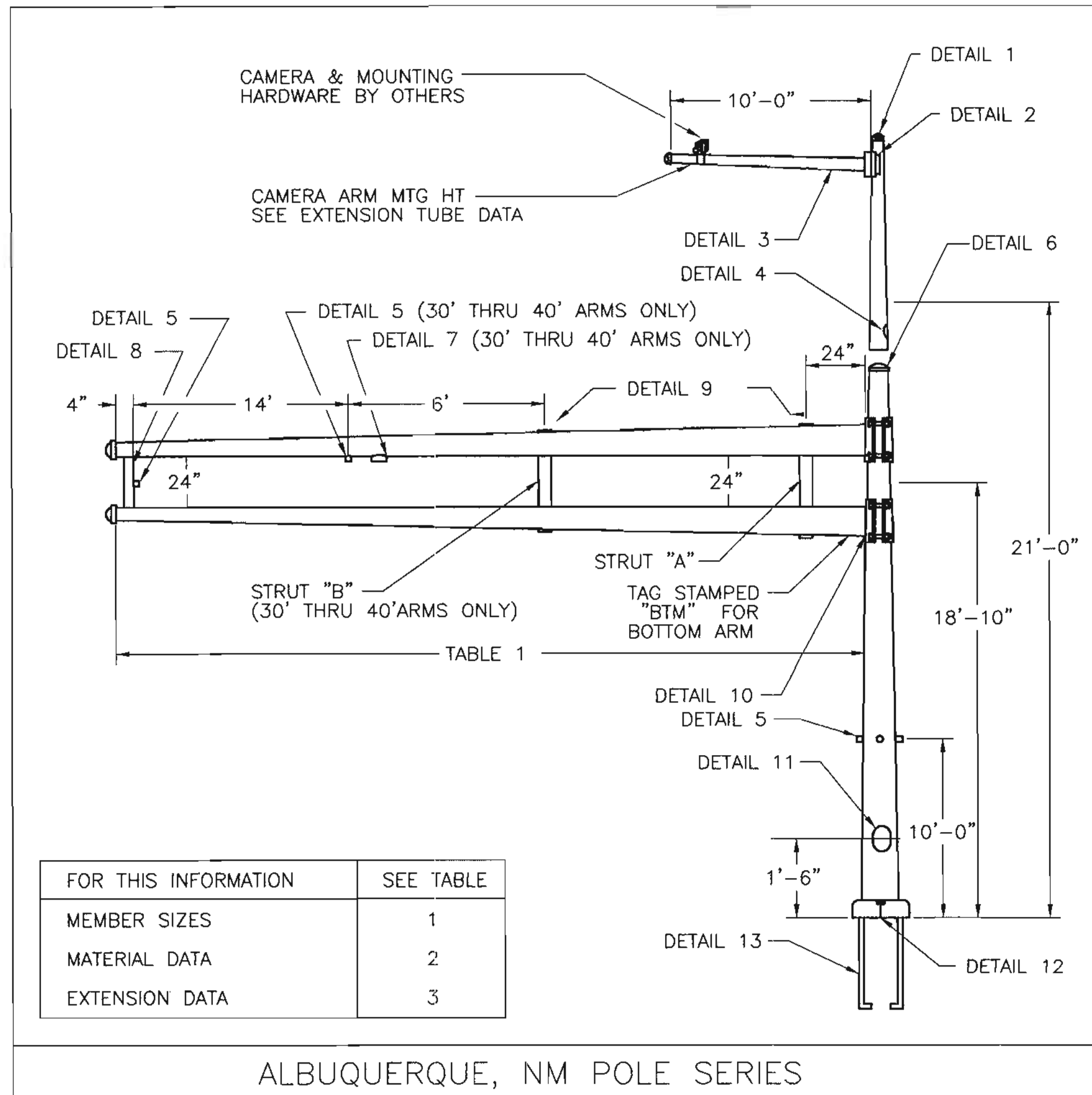
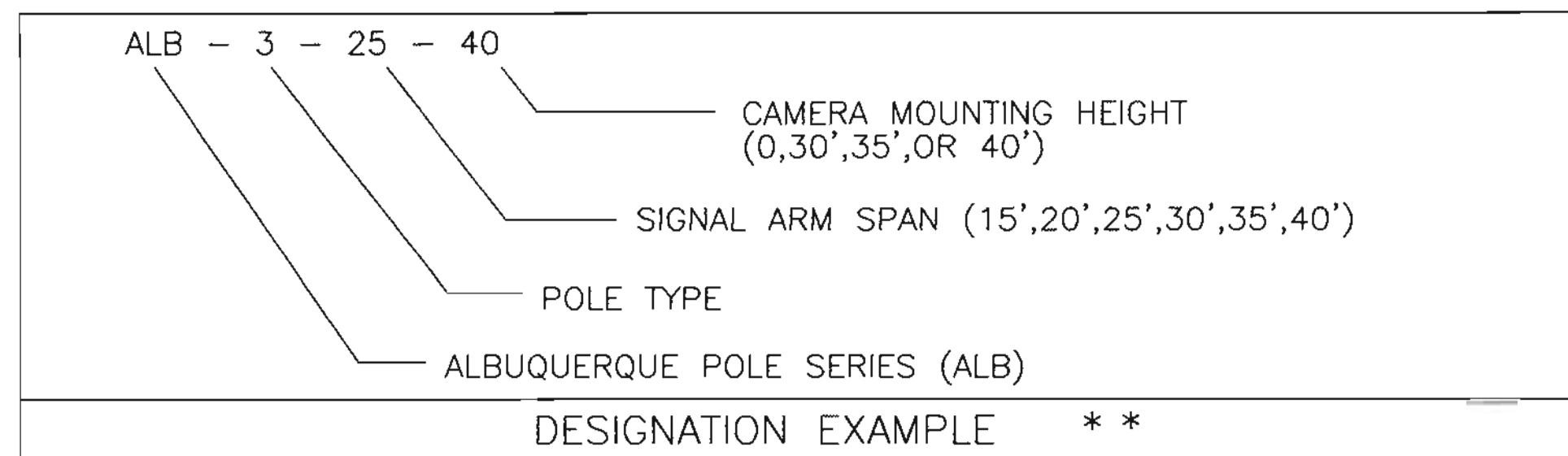


TABLE 1: POLE AND MASTARM SCHEDULE																									
DESIGNATION (SEE EXAMPLE ABOVE)				POLE DATA				BASE PLATE DATA				ANCHOR BOLT DATA				MASTARM DATA				ARM ATTACHMENT DATA					
POLE SERIES	POLE TYPE	SIGNAL ARM SPAN (FT)	CAMERA MOUNTING HEIGHT 0=NO CAMERA	BASE DIA	TOP DIA	LENGTH	GA	CIRCLE "C"	THK "G"	BC RANGE		BOLT CIRCLE	DIAMETER "K"	LENGTH "J"	HOOK "H"	FIXED END DIA	FREE END DIA	GA	LENGTH (FT)	"A"	"B"	"C"	"D"	"E"	
										BC1	BC2														
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"	

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					



** POLE SHAFTS SHALL BE MARKED "ALB" "15-25" OR "30-40", AND DATE OF FABRICATION (MONTH/YEAR).

TABLE 3: EXTENSION TUBE DATA					
MASTARM LENGTH (FT)	CAMERA MTG HT (FT)	EXTENSION TUBE			
		BASE DIA	TOP DIA	LENGTH (FT)	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

AS BUILT INFORMATION		CONTRACTOR		DATE	
INSPECTOR'S		DATE		DATE	
FIELD		DATE		DATE	
VERIFICATION BY		DATE		DATE	
CORRECTED BY		DATE		DATE	
MICRO-FILM INFORMATION		RECORDED BY		DATE	
NO.		NO.		NO.	
BENCH MARKS		DATE		DATE	
SURVEY INFORMATION		FIELD NOTES		DATE	
NO.		BY		DATE	
ENGINEERS SEAL		C.O.A. STD.		DATE	
REMARKS		BY		DATE	
DESIGN		DATE		DATE	
NO.		DATE		DATE	
DESIGNED BY		PJC		4/02	
DRAWN BY		EAD		4/02	
CHECKED BY		PJC		4/02	

DWL ARCHITECTS
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OF NEW MEXICO
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ALBUQUERQUE, NEW MEXICO 87102
FAX (505) 242-4159
VOICE (505) 242-6302
E-MAIL DWL@RTG6.COM

Smith Engineering Company
A Full Service Engineering Company
100300
6400 Uptown Development, N.E. Suite 1000 Albuquerque, New Mexico 87110

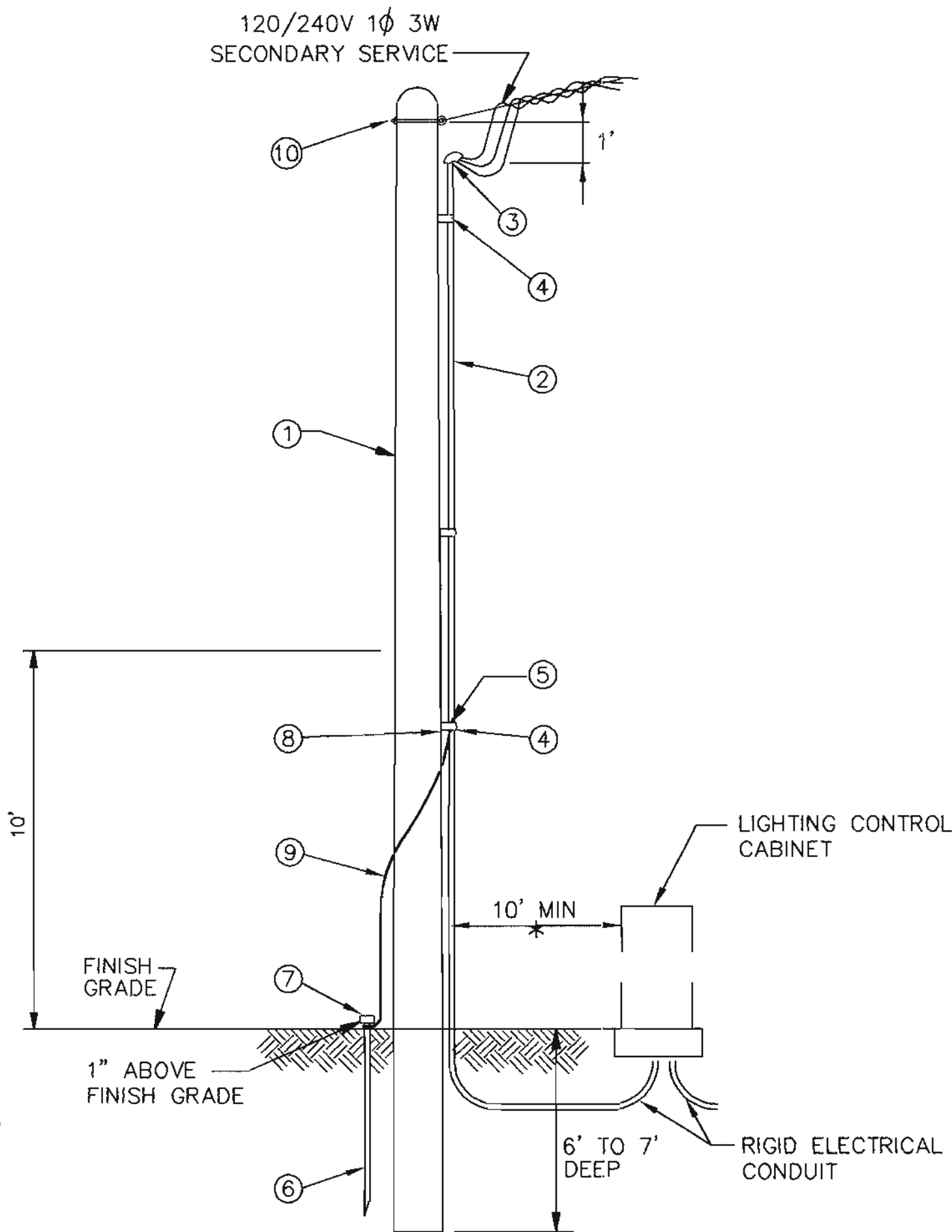
CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
TITLE: WEST SIDE TRANSIT FACILITY
MASTARM DETAILS TYPE III STANDARD

Design Review Committee
C.O.A. STD.

City Engineer Approval
C.O.A. STD.

City Project No. 5658.01
Zone Map No. J-9-Z
Sheet 32 of 61

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MESA REPRO



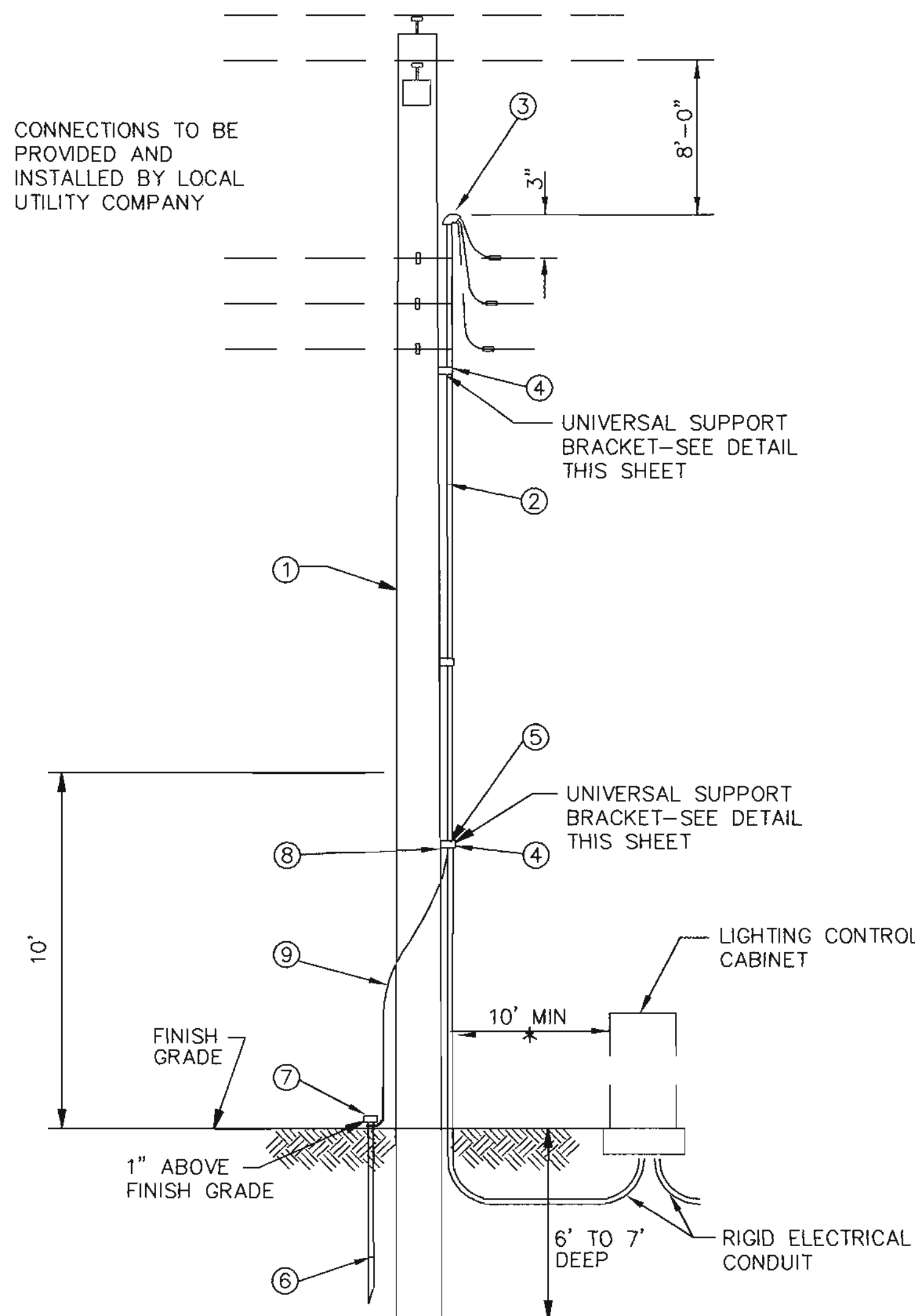
MATERIAL LIST

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	COPPERWELD 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'	1/C #2 THW BLACK
	40'	1/C #2 THW WHITE
	40'	1/C #2 THW RED

SERVICE POLE (LIGHTING)

* CONDUIT AND WIRE EXTENDING MORE THAN 10' FROM POLE WILL BE MEASURED AND PAID PER ACTUAL FOOTAGE USED.

CONNECTIONS TO BE
PROVIDED AND
INSTALLED BY LOCAL
UTILITY COMPANY

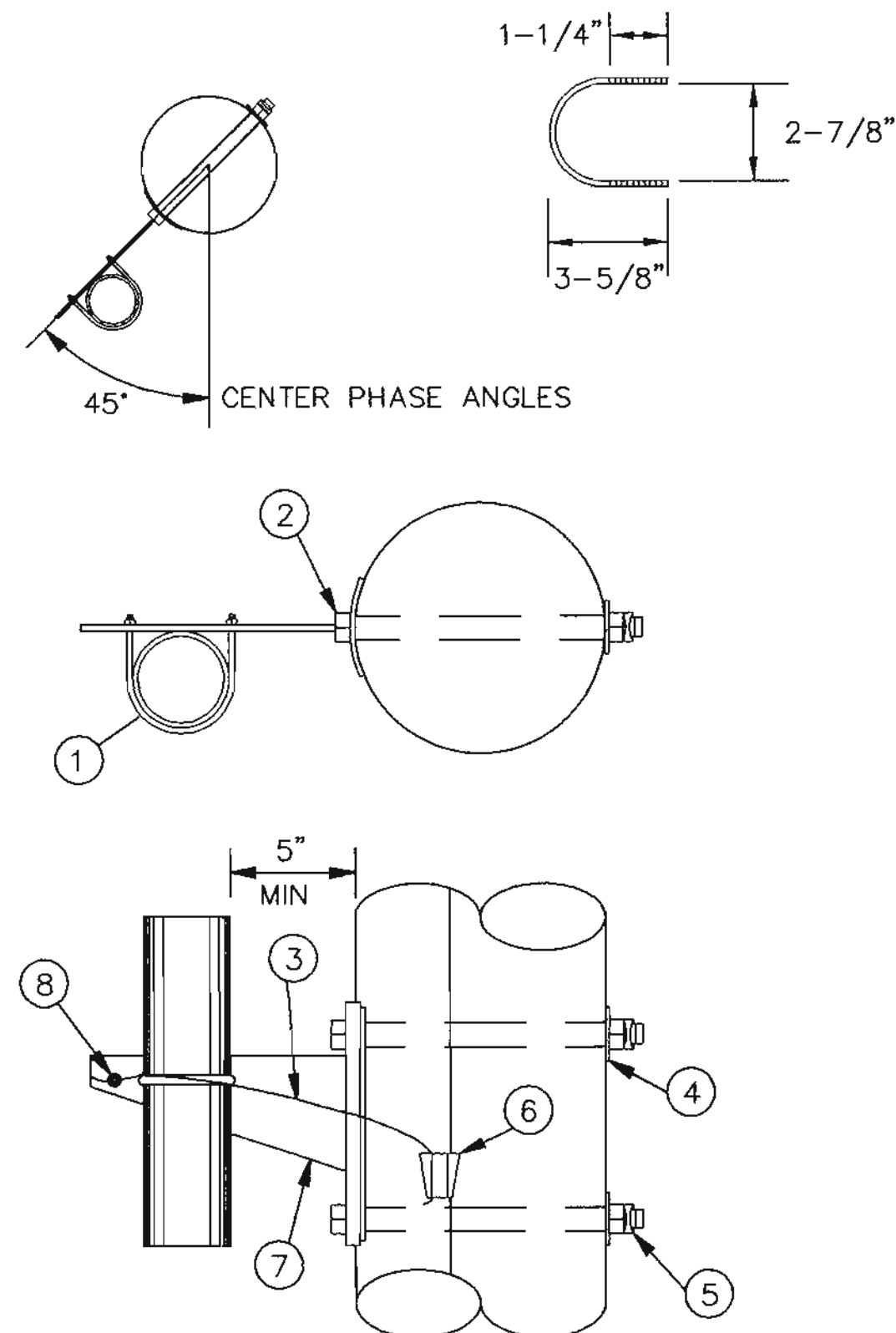


MATERIAL LIST

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	COPPERWELD 3/4"x10'-0" GROUND ROD
⑦	1	GROUND ROD CLAMP
⑧	1	GROUND LUG
⑨	10'	#6 BARE COPPER GROUND WIRE
	50'	1/C #2 THW BLACK
	50'	1/C #2 THW WHITE
	50'	1/C #2 THW RED

SERVICE RISER (LIGHTING)

* CONDUIT AND WIRE EXTENDING MORE THAN 10' FROM POLE WILL BE MEASURED AND PAID PER ACTUAL FOOTAGE USED.



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

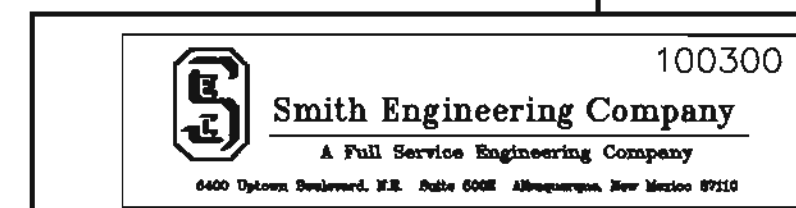
UNIVERSAL SUPPORT BRACKETS NOTES:

- BRACKET TO BE FASTENED TO POLE WITH 5/8" GALVANIZED MACHINE BOLTS.
- BRACKET SUITABLE FOR TWO 2" CONDUITS.
- 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.

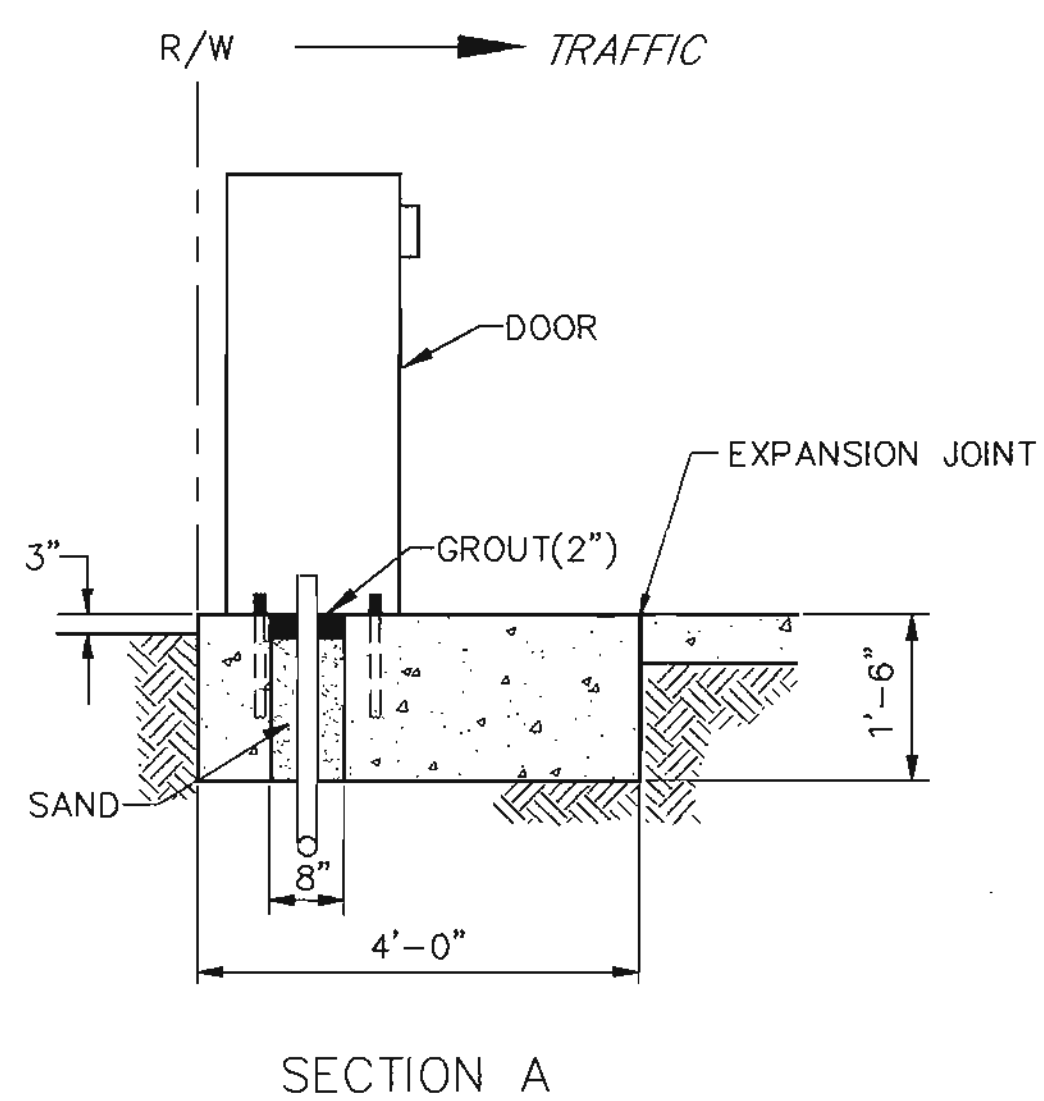
UNIVERSAL SUPPORT BRACKETS

LIGHTING ELECTRICAL SERVICE NOTES

- ALL SERVICE DETAILS, MATERIALS, & INSTALLATION SHALL CONFORM TO THE LOCAL POWER COMPANY REQUIREMENTS.
- CONTACT LOCAL POWER COMPANY CUSTOMER SERVICES FOR POLE QUADRANT FOR RISERS.
- ALL ABOVE GRADE CONDUIT SHALL BE GALVANIZED.
- RISER BRACKET ASSEMBLY MUST BE GROUNDED PER LOCAL POWER COMPANY REQUIREMENTS.
- CONDUIT AND WIRE EXTENDING MORE THAN 10' FROM POLE WILL BE MEASURED AND PAID PER ACTUAL FOOTAGE USED.
- UNIVERSAL SUPPORT BRACKETS WILL BE CONSIDERED INCIDENTAL TO THE SERVICE RISER.
- DRILLING HOLES IN EXISTING STEEL POLES FOR UNIVERSAL SUPPORT BRACKETS WILL NOT BE PERMITTED UNLESS OTHERWISE APPROVED BY THE LOCAL POWER COMPANY. BRACKETS SHALL BE MOUNTED ON STEEL POLES WITH STAINLESS STEEL BANDS.



		CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM	
TITLE:		WEST SIDE TRANSIT FACILITY ELECTRICAL SERVICE DETAILS	
Design Review Committee	City Engineer Approval	Last Design Update	
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City Project No.	Zone Map No.	Sheet	Of
5658.01	J-9-Z	33	61



Technical drawing of a transformer base showing a cross-section and a plan view.

Cross-section details:

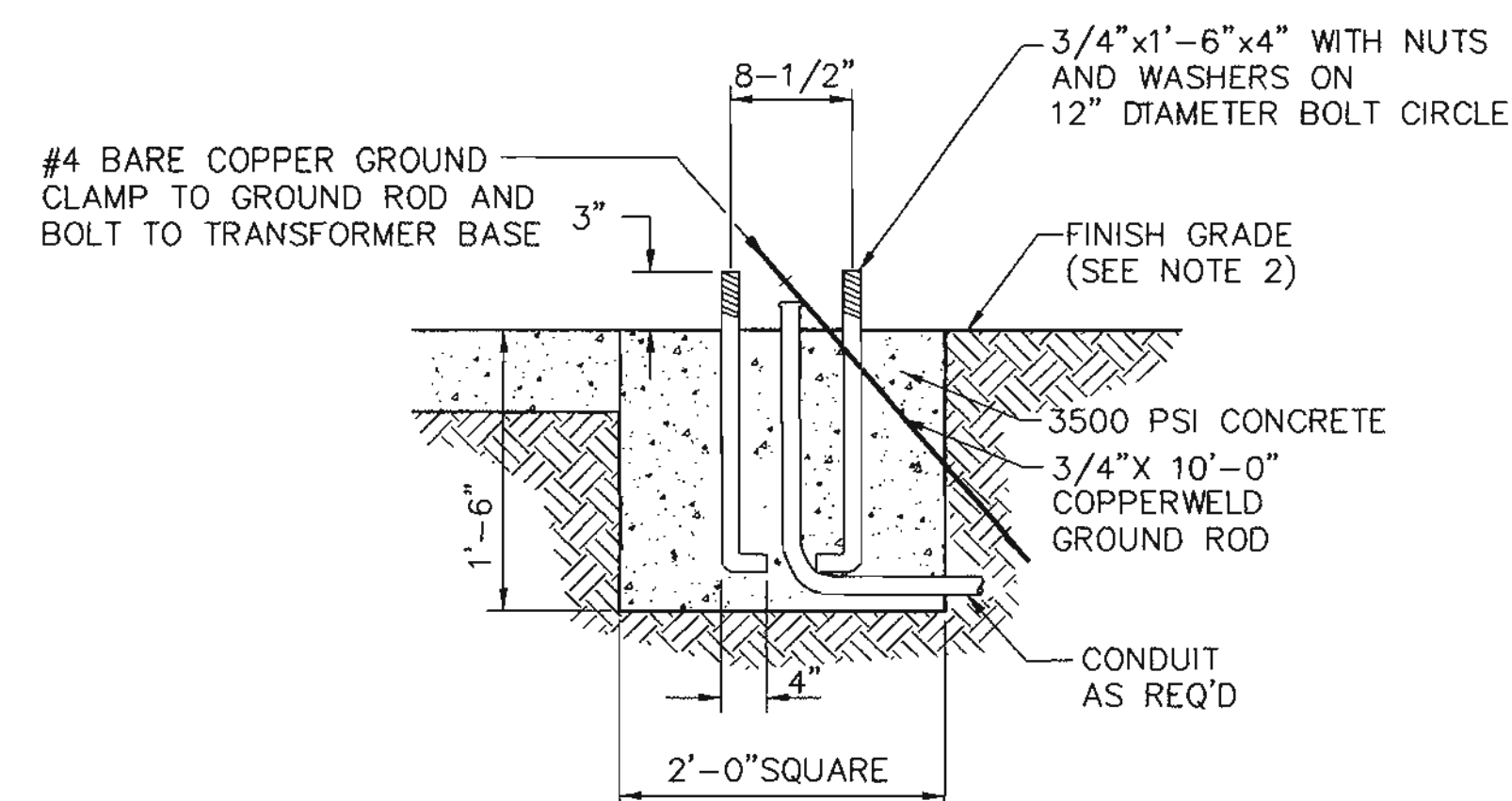
- Overall width: 3'-0"
- Overall height: 3'-6"
- Base width: 2'-0" SQUARE
- Concrete: 3500 PSI CONCRETE
- Reinforcing steel: #3H BAR, #4V BAR
- Ground rod: 3/4" X 1'-6" X 4" COPPERWELD GROUND ROD
- Conduit: CONDUIT AS REQ'D
- Finish grade: FINISH GRADE (SEE NOTE 2)
- Notes: #4 BARE COPPER GROUND CLAMP TO GROUND ROD AND BOLT TO TRANSFORMER BASE; 3/4" X 1'-6" X 4" WITH NUTS AND WASHERS ON 12" DIAMETER BOLT CIRCLE

Plan view details:

- Overall width: 1'-9"
- Overall height: 1'-9"
- Reinforcing steel: #3H BAR (3 REQ'D), #4V BAR (4 REQ'D)
- Minimum lap: (8)-1/2" MIN LAP

REINFORCING STEEL

PEDESTAL FOUNDATION DETAIL



SPLICE CABINET FOUNDATION DETAIL

TRAFFIC SIGNAL FOUNDATION NOTES

1. ALL FOUNDATIONS SHALL INCLUDE COPPERWELD GROUND RODS. ALL GROUND RODS SHALL BE 3/4"x0'10"-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.

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	--

(FOR CONTRACTORS INFORMATION ONLY)

[illegible]

DWL
ARCHITECTS

**DWL ARCHITECTS
& PLANNERS, INC.**
OF NEW MEXICO

202 CENTRAL AVE. S
WEST COURTYARD
ALBUQUERQUE, NEW MEXICO 87111

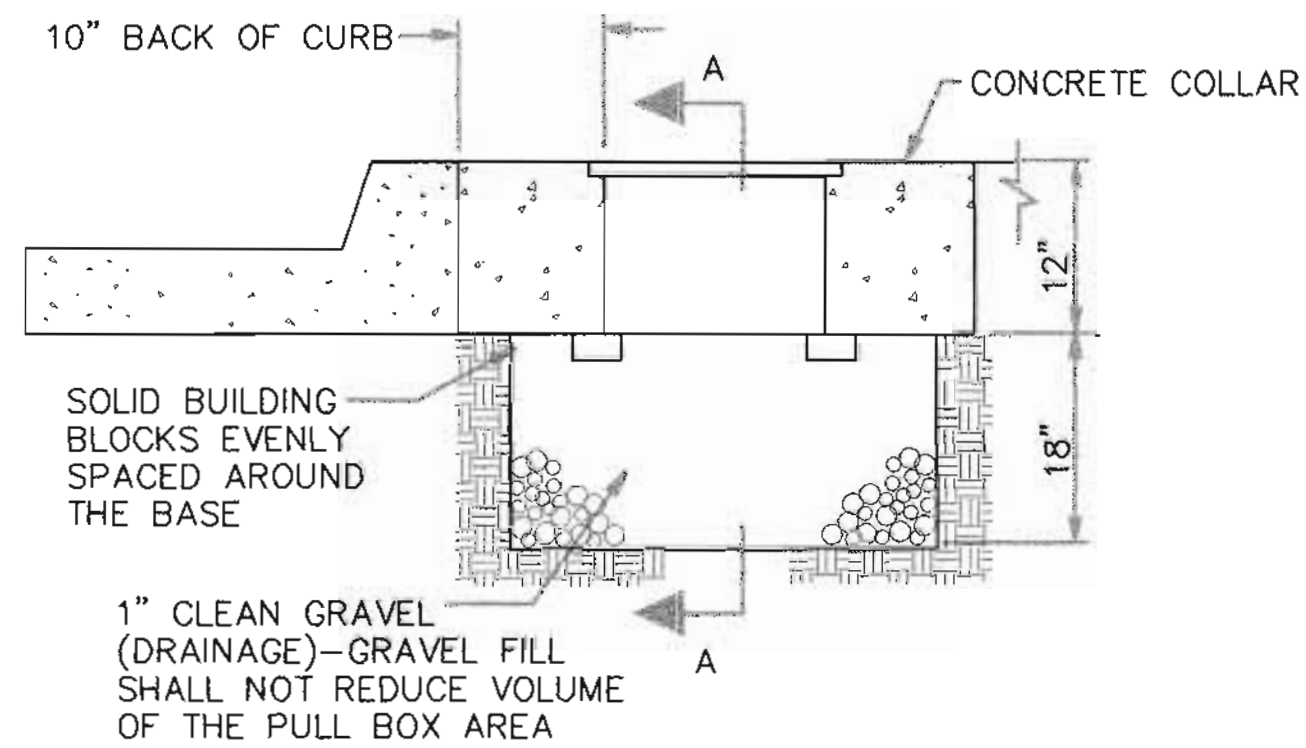
FAX (505) 242-4111
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100300

 **Smith Engineering Company**
A Full Service Engineering Company

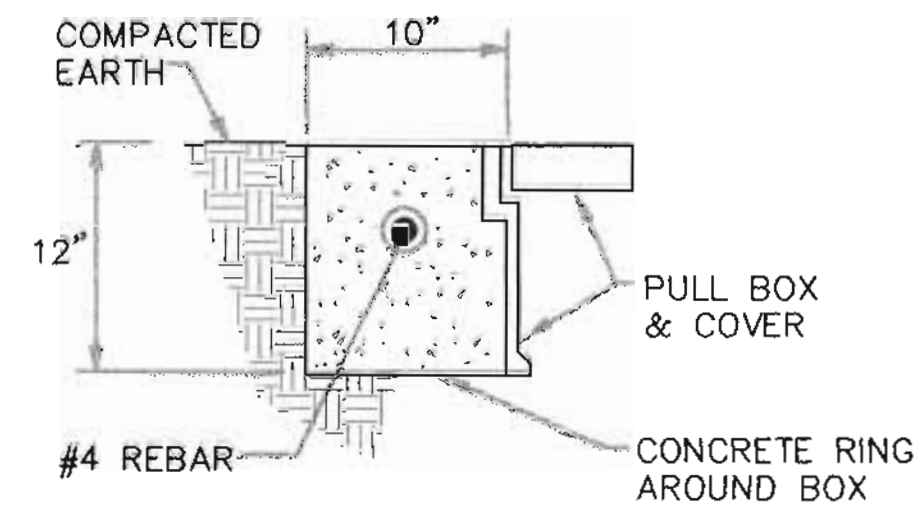
6400 Uptown Boulevard, N.E. Suite 608E Albuquerque, New Mexico 87110

	CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM			
	TITLE: WEST SIDE TRANSIT FACILITY CABINET AND PEDESTAL FOUNDATION DETAILS			
Design Review Committee	City Engineer Approval	Last Design Update ▲ ▲ ▲ ▲	No. / Day / Yr. ▲ ▲ ▲ ▲	No. / Day / Yr. ▲ ▲ ▲ ▲
C.O.A.	STD.			
City Project No.	5658.01	Zone Map No. J-9-Z	Sheet 34	Of 61

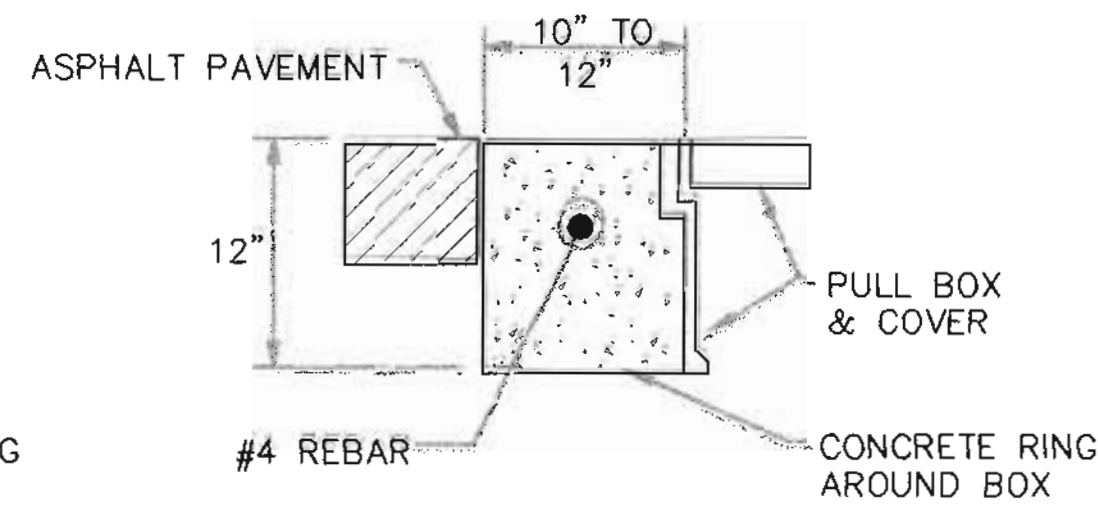


TYPICAL PULLBOX INSTALLATION

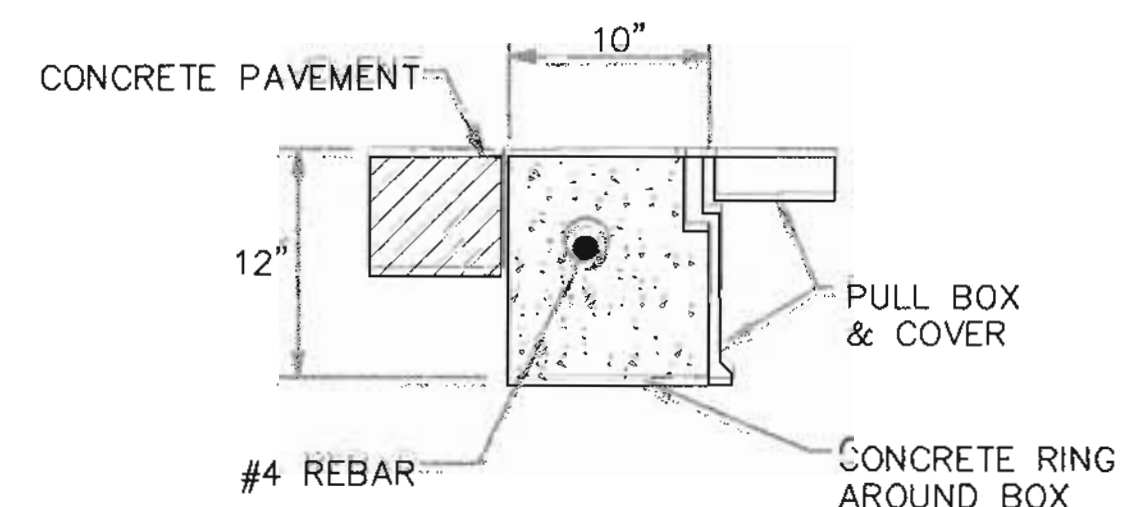
NOTE: SEE "CONCRETE COLLAR DETAIL"



IN COMPACTED EARTH



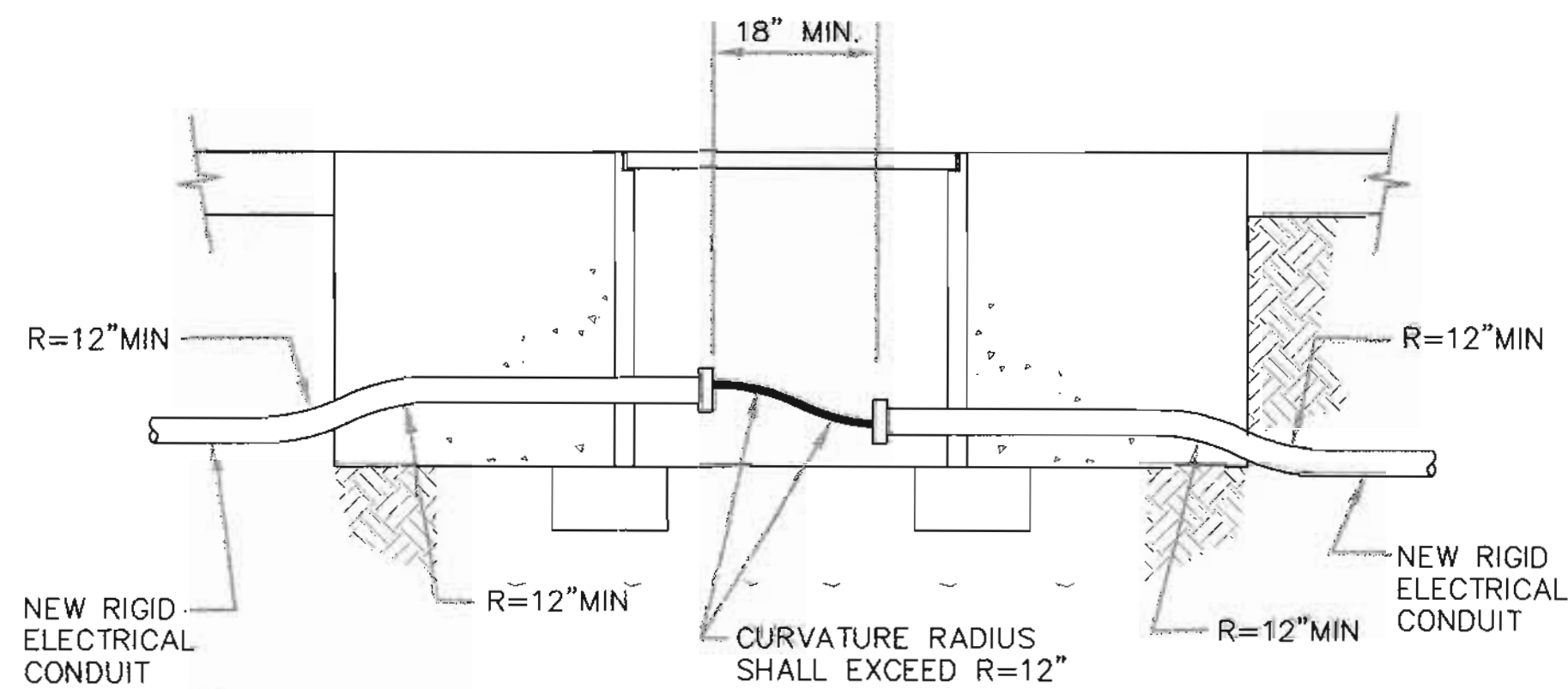
IN ASPHALT PAVEMENTS



IN CONCRETE PAVEMENTS

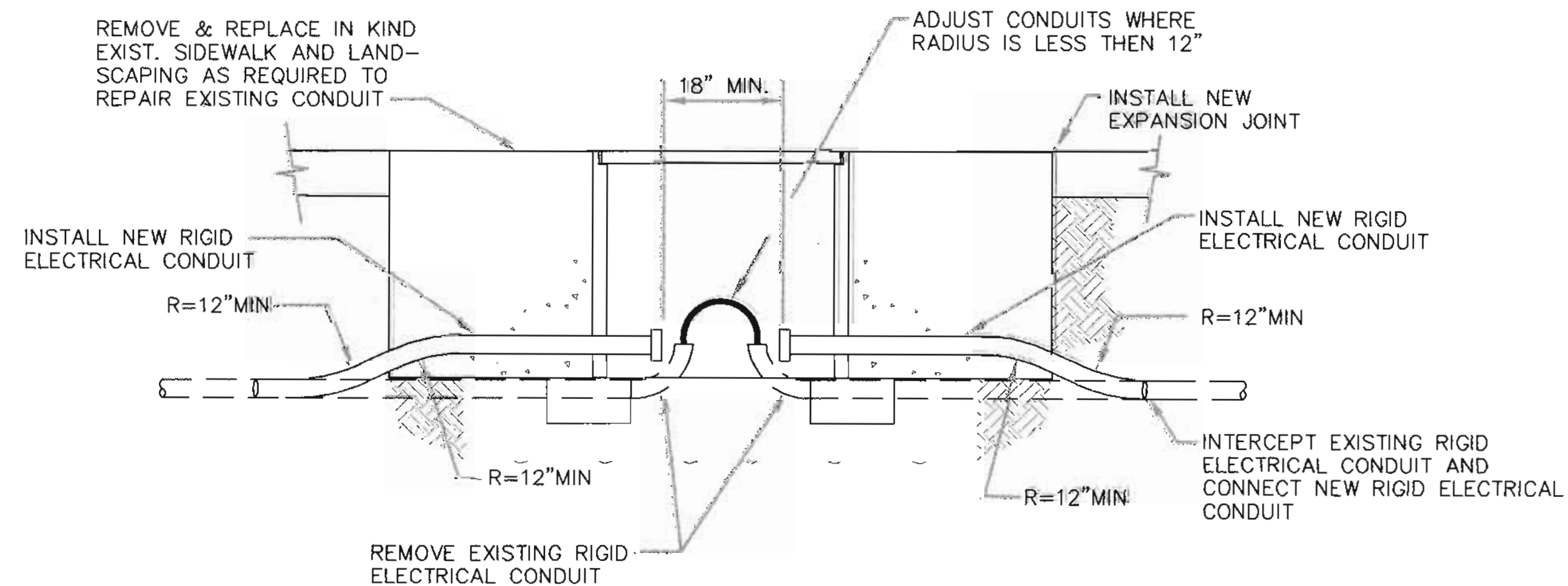
CONCRETE COLLAR DETAILS

NOTE: THE CONCRETE COLLAR FOR THE PULL BOXES WILL BE CONSIDERED INCIDENTAL TO THE PULL BOX BID ITEMS



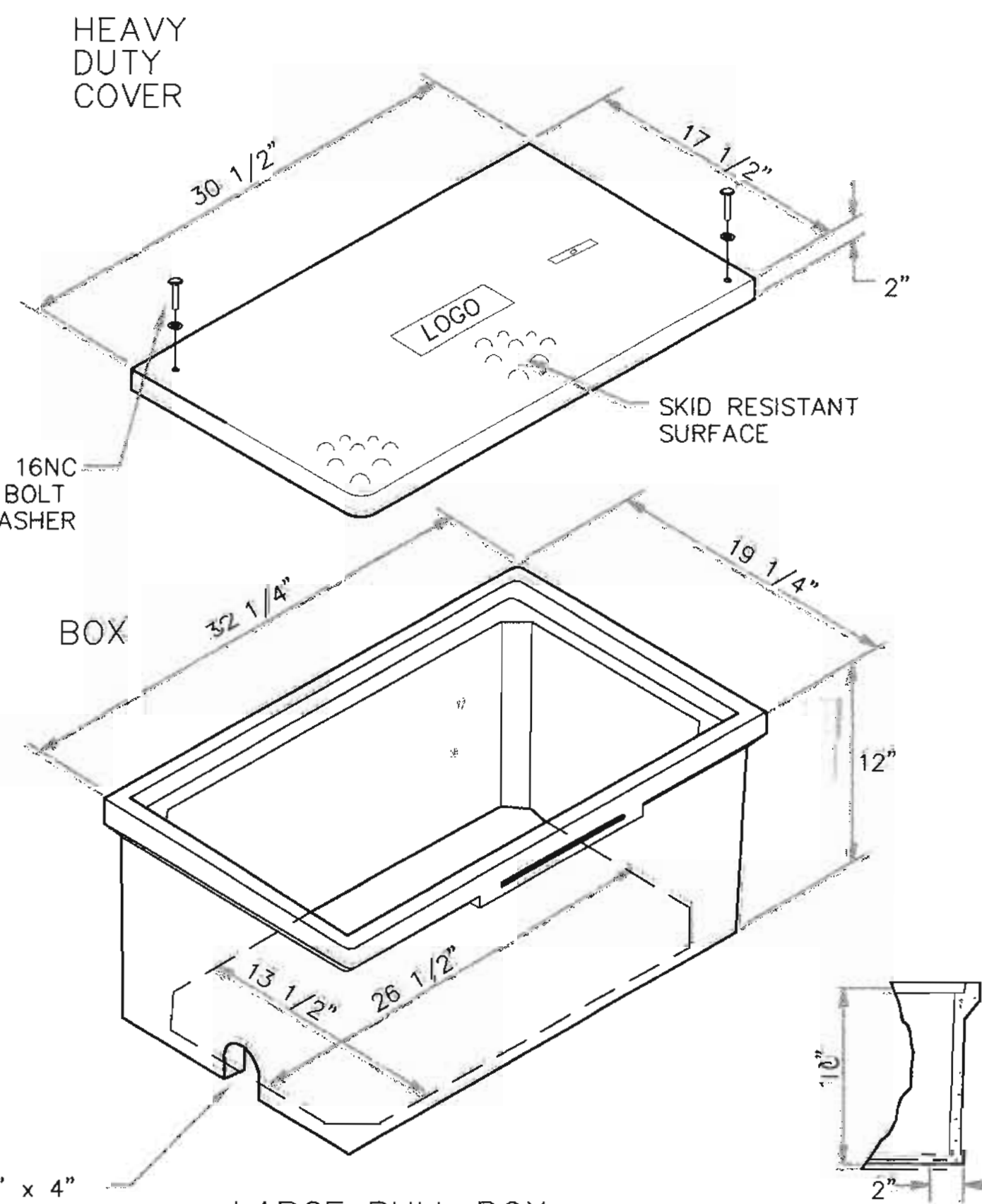
TRAFFIC SIGNAL PULL BOX (TYPICAL)

NEW CONDUIT INSTALLATION

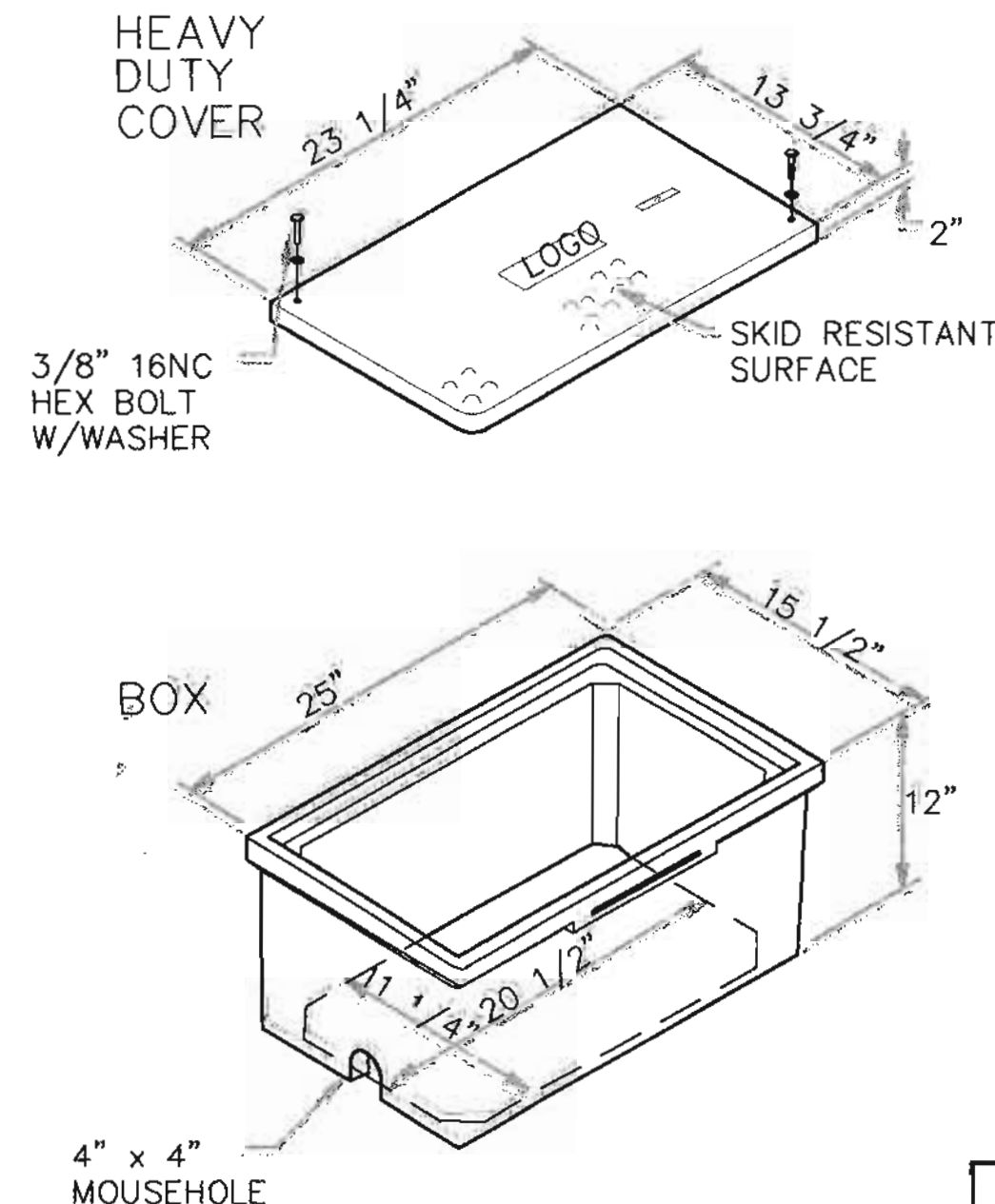


TRAFFIC SIGNAL PULL BOX (TYPICAL)

RETROFIT INSTALLATION



LARGE PULL BOX



STANDARD PULL BOX

PULL BOX DETAILS

NOTES FOR HEAVY DUTY REINFORCED POLYMER MORTAR PULL BOX AND COVERS

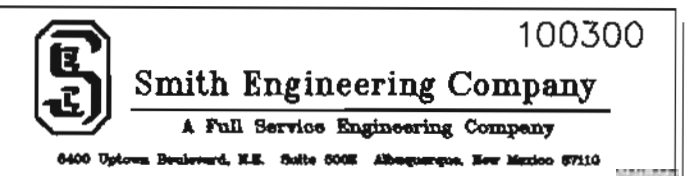
1. MATERIAL TO BE AN AGGREGATE CONSISTING OF SAND AND GRAVEL BOUND TOGETHER WITH A POLYMER AND REINFORCED WITH CONTINUOUS WOVEN GLASS STRANDS. THE MATERIAL MUST HAVE THE FOLLOWING MECHANICAL PROPERTIES: COMPRESSIVE STRENGTH - 11,000 PSI, TENSILE STRENGTH - 1,700 PSI, FLEXURAL STRENGTH - 7,500 PSI.
2. 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 RECOMMENDATIONS. 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".



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OF NEW MEXICO

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VHGE (505) 242-6202
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CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM

TITLE: WEST SIDE TRANSIT FACILITY
ELECTRICAL PULL BOX DETAILS

Design Review Committee

City Engineer Approval

C.O.A.

STD.

City Project No.

5658.01

Zone Map No.

J-9-Z

Sheet

Of

35 61

AS-BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEERS SEAL			
CONTRACTOR	C.M., Inc.	DATE	DATE	A.C.S. CONTROL MONUMENT	"10-K10"	ELEV. (NGVD 29)	= 5,142.79'	NO.	11599	DATE	2000	BY	STEVE TOLER	NO.	11599
INSPECTOR	STATE OF NEW MEXICO	DATE	DATE	FIELD DISTANCE BY SEC.	3-1/4" AL. CAP IN CONC. CURB	S.W. COR. UNSEER & LOS VOLCANES	N 1,487,056.22 ; E 357,375.04	NO.		DATE		BY		NO.	
VERIFICATION BY	SEC.	DATE	DATE	DELTA ALPHA	= -016'27"	COMBINED FACTOR	= 0.999675701 (PROJECT)	NO.		DATE		BY		NO.	
RECORDED BY		DATE													

C.O.A.
STD.

REVISIONS

DESIGN

DATE 4/02

DATE 4/02

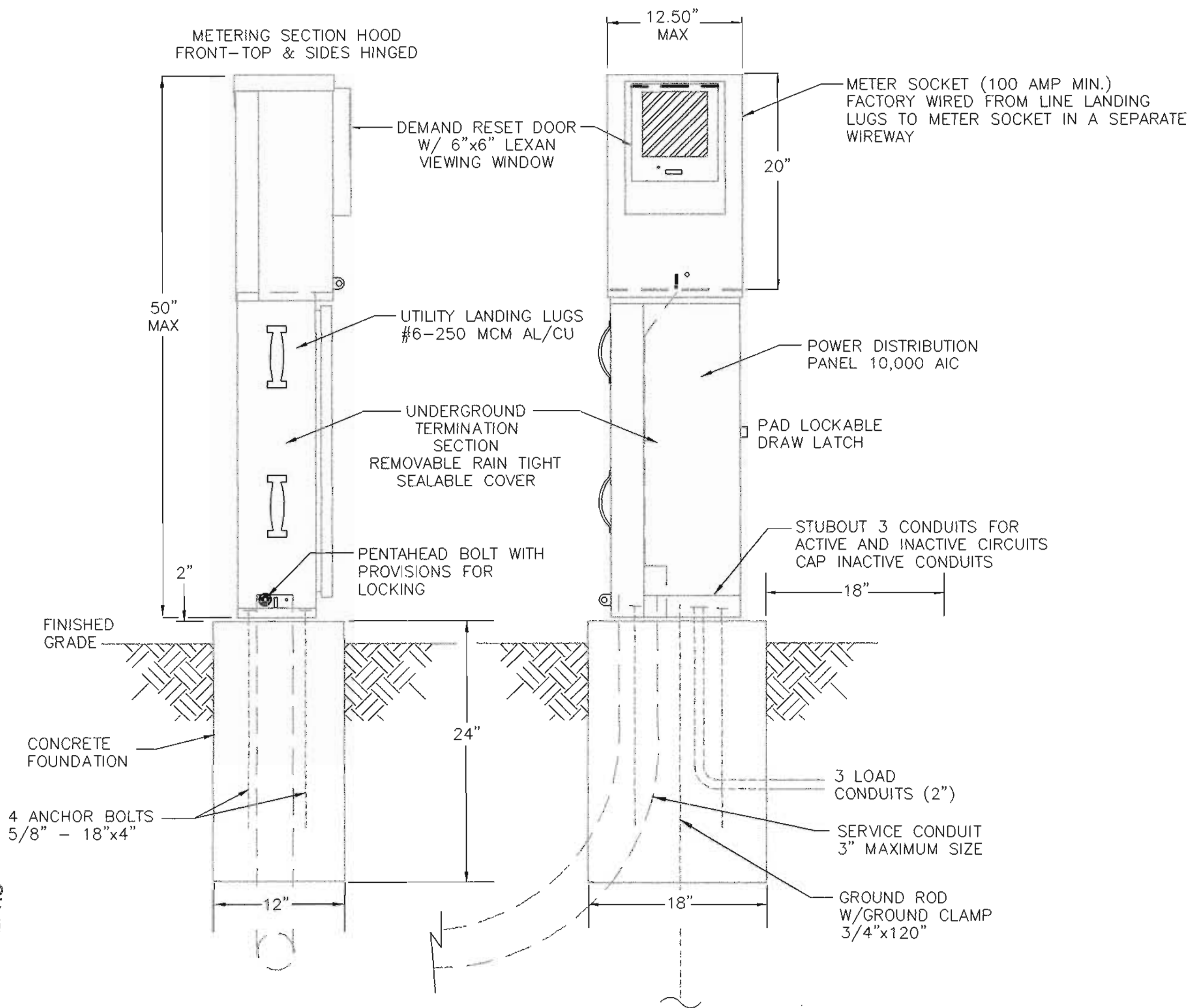
DATE 4/02

DESIGNED BY PJC

DRAWN BY EAD

CHECKED BY PJC

SCANNED BY
MESA REPRO



LEFT SIDE

SCALE: NONE

FRONT VIEW

SCALE: NONE

CONSTRUCTION MATERIALS AND FINISH

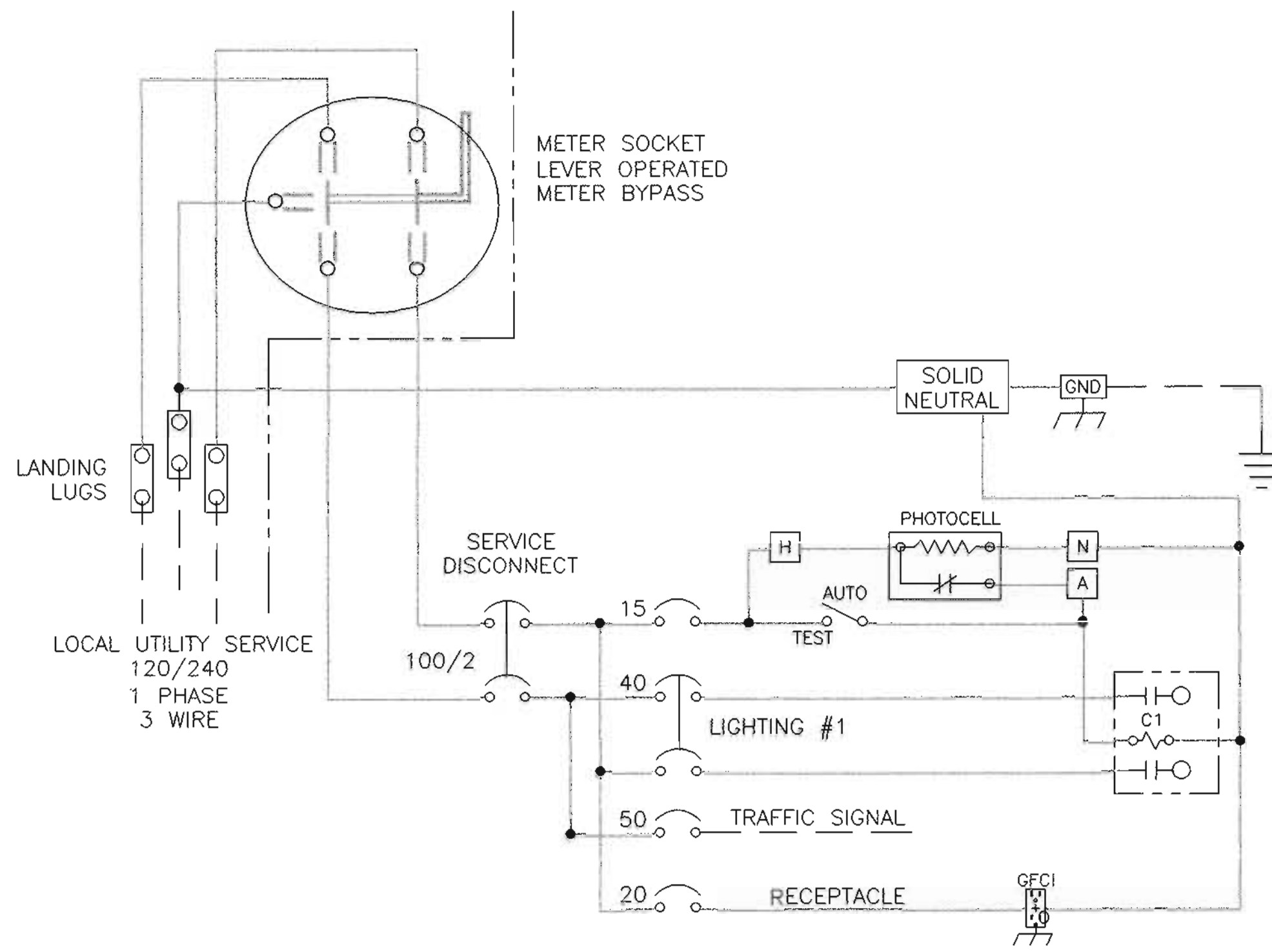
☒	12 GA HD GALVANIZED STEEL
☐	POWDER COATED
☐	14 GA #304 STAINLESS STEEL SHEET
☐	POWDER COATED COLOR
☐	NATURAL
☐	0.125" ALUMINUM SHEET
☐	POWDER COATED COLOR
☐	NATURAL
☐	ANODIZED

POWDER COAT COLORS

☒ WHITE	☐ RANCH GREEN
☐ MINT GREEN	☐ OTHER
☐ CAMEL	

PHOTO ELECTRIC CELL

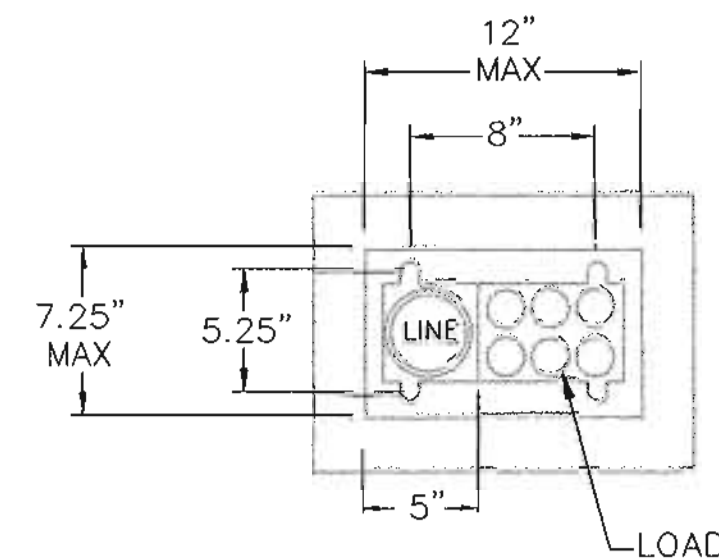
☒ ON LIGHT POLE
☐ IN SERVICE CABINET



SERVICE EQUIPMENT
WIRING DIAGRAM "B"

METER PEDESTAL CONSTRUCTION NOTES

- METER PEDESTAL SHALL BE UL LISTED "INDUSTRIAL CONTROL PANEL" PER UL 508.
- METER PEDESTAL SHALL MEET THE ELECTRIC UTILITY SERVICE EQUIPMENT REQUIREMENTS COMMITTEE (EUSERC) GUIDELINES.
- CONSTRUCTION SHALL BE NEMA 3R AND 12, RAIN TIGHT AND DUST TIGHT. ELECTRICALLY WELDED AND REINFORCED WHERE REQUIRED.
- ALL NUTS, BOLTS, SCREWS AND HINGES SHALL BE STAINLESS STEEL.
- NUTS, BOLTS, AND SCREWS SHALL NOT BE VISIBLE FROM OUTSIDE OF METER PEDESTAL.
- PHENOLIC NAME PLATES SHALL BE PROVIDED AS REQUIRED.
- CIRCUIT BREAKERS SHALL BE CABLE IN-CABLE OUT WITH LINE ON TOP & LOAD ON THE BOTTOM. HANDLE POSITION UP="ON", MIDDLE="TRIPPED", DOWN="OFF".
- A PLASTIC COVERED WIRING DIAGRAM SHALL BE ATTACHED TO THE INSIDE OF THE FRONT DOOR.
- METER PEDESTAL SHALL BE FACTORY WIRED AND CONFORM TO REQUIRED NEMA STANDARDS.
- ALL POWDER COATED METER PEDESTAL SHALL HAVE A CORROSION RESISTANT COATING WHICH INCLUDES A FIVE STEP DIP TANK METAL PREPARATION PROCESS:
A. ALKALINE CLEANER 160° F.
B. CLEAR WATER RINSE.
C. IRON PHOSPHATE APPLICATION 150° F.
D. CLEAR WATER RINSE.
E. INHIBITIVE RINSE TO SEAL PHOSPHATED SURFACES 120° F.
FINISHED WITH AN ELECTROSTATIC ALLY APPLIED DRY POLYESTER POWDER COATING THEN BAKED @ 380° F TO CURE.
- CONCRETE FOUNDATIONS INCLUDING EXCAVATION AND BACKFILL, CONCRETE, AND ANCHOR BOLTS, COMPLETE-IN PLACE, WILL BE CONSIDERED INCIDENTAL TO THE METER PEDESTAL.



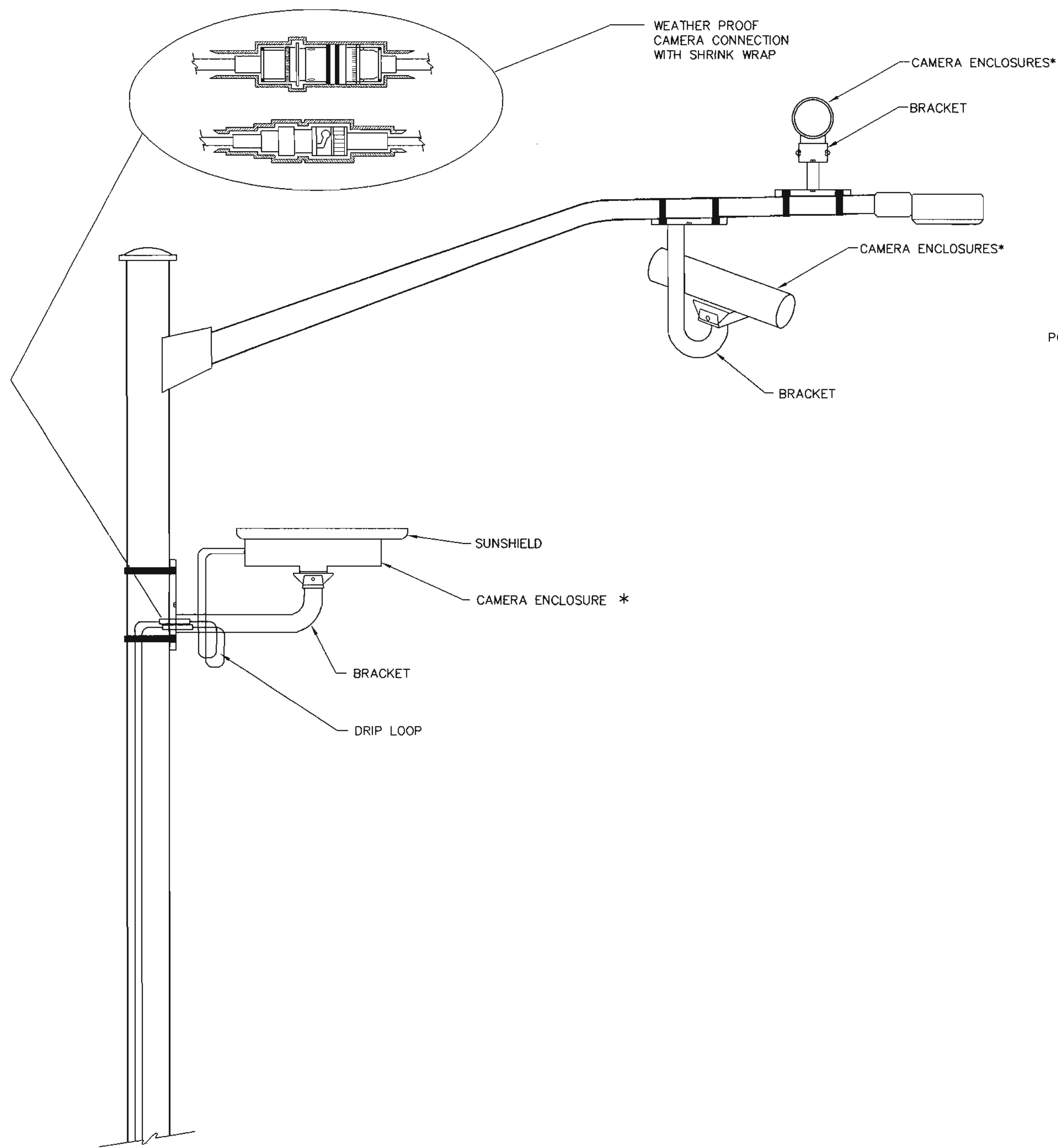
BASE PLAN

SCALE: NONE

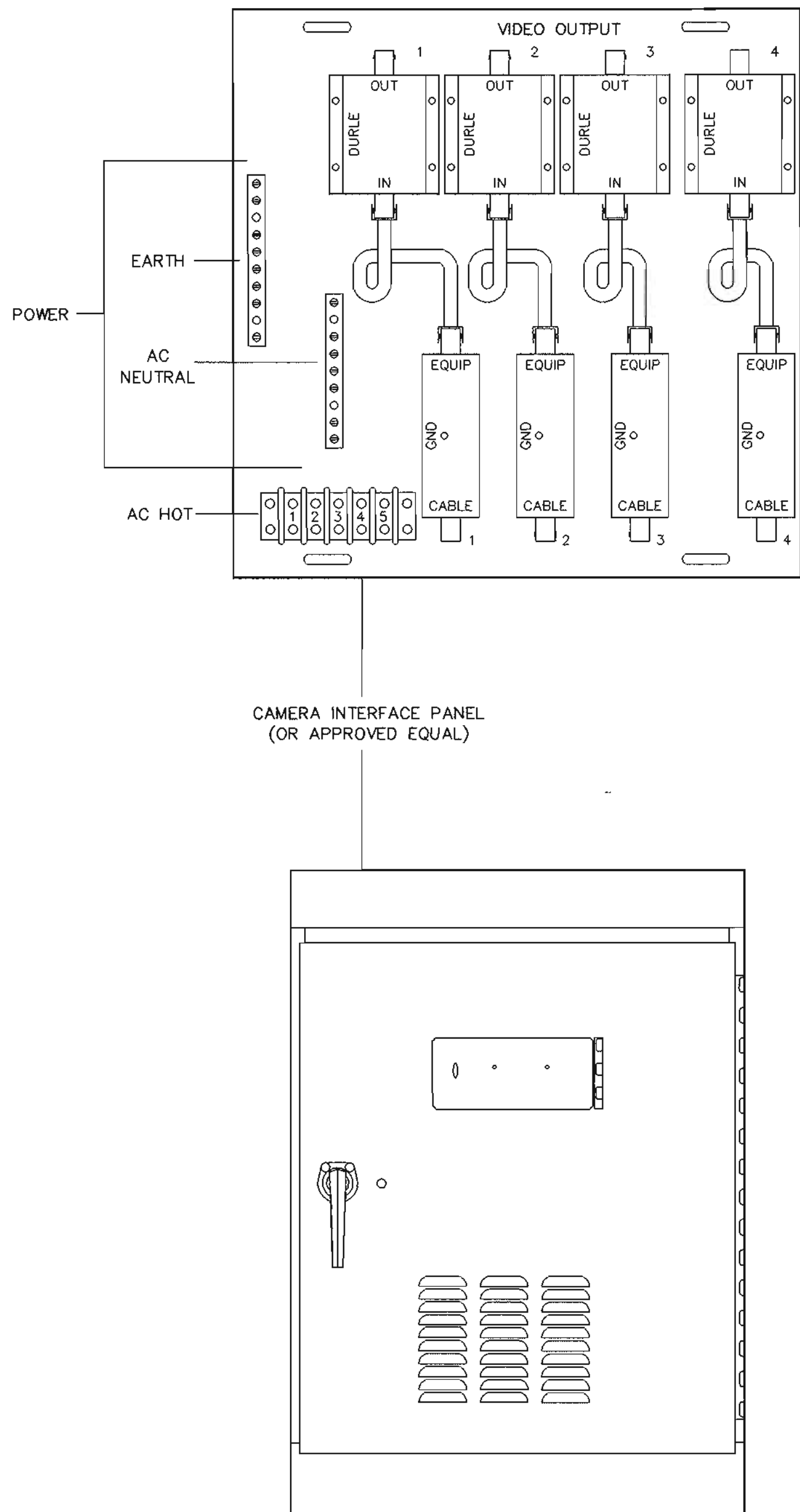


Smith Engineering Company A Full Service Engineering Company 6400 Skyway Southwest, N.E. Suite 1000 Albuquerque, New Mexico 87120	
100300	
CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM	
TITLE: WEST SIDE TRANSIT FACILITY COMBINATION SIGNAL + LIGHTING METER COMBINATION	
Design Review Committee	City Engineer Approval
C.O.A.	STD.
City Project No.	Zone Map No.
5658.01	J-9-Z
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36	61

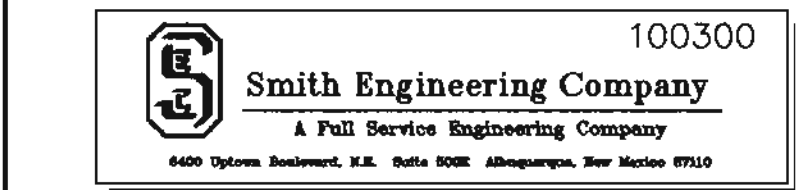
AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEERS SEAL	
CONTRACTOR CITY, INC.	DATE 4/14	INSPECTOR'S SIGNATURE	DATE 4/14	FIELD BY	DATE	C.O.A. STD.	
STANDARD BY	DATE 4/14	FIELD BY	DATE 4/14	NO.	BY		
VERIFICATION BY	DATE 4/14	NO.	BY	REMARKS	DESIGN		
CORRECTED BY	DATE 4/14	NO.	BY	NO.	DATE		
MICRO-FILM INFORMATION		RECORDED BY		DESIGNED BY		PJC	
		NO.		DRAWN BY		EAD	
		DATE		CHECKED BY		PJC	



* CAMERA SHALL BE ROTATED INSIDE THE ENCLOSURE AFTER INSTALLATION, TO ALIGN HORIZON AT HORIZONTAL PLANE.



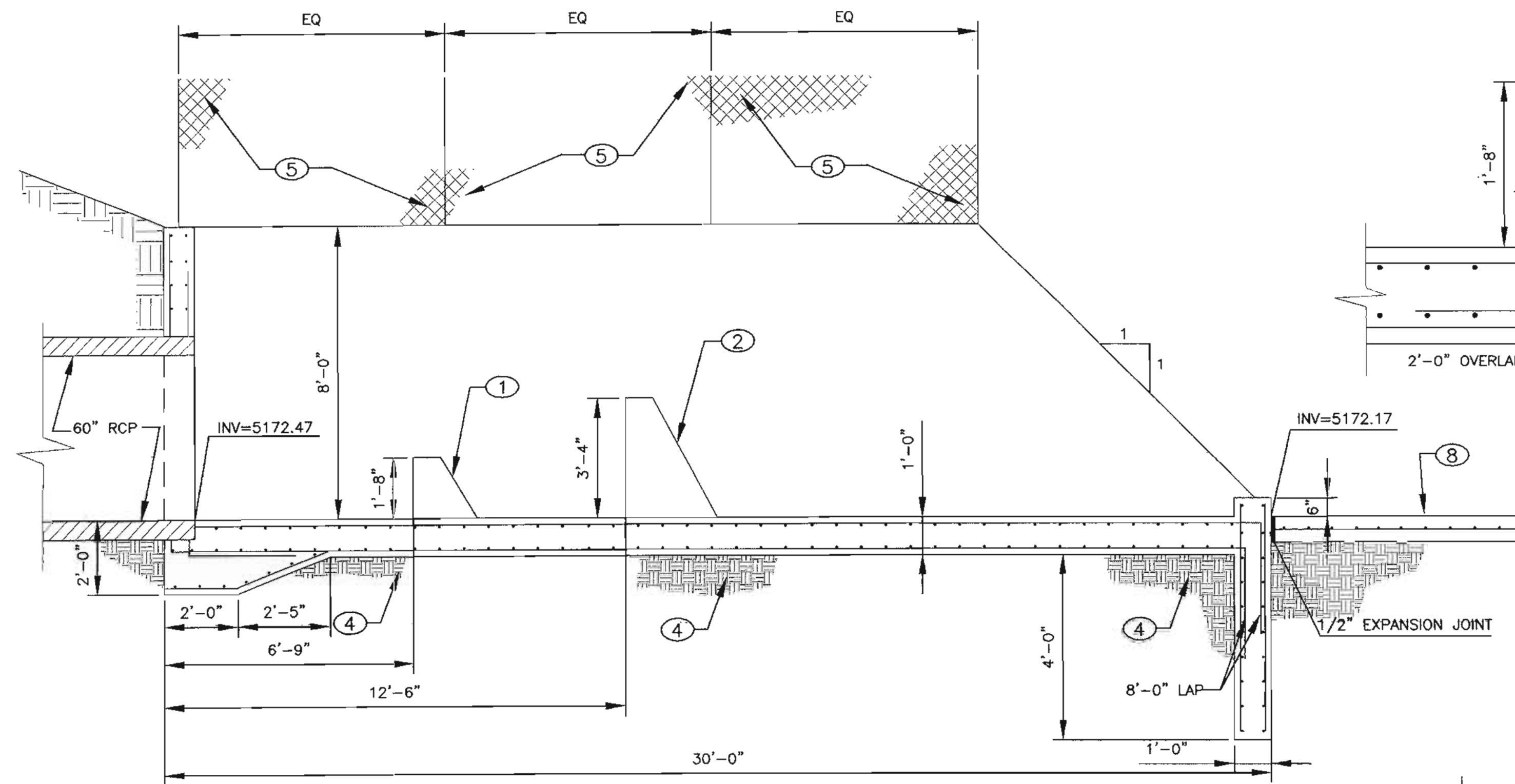
* TRANSIENT VOLTAGE SURGE PROTECTOR REQUIRED.
USE SURGE PROTECTOR MANUFACTURED BY I.T.
MODEL COAX-F-1.5GHz-SAT.



		CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM	
TITLE:		WEST SIDE TRANSIT FACILITY VIDEO DETECTION SYSTEMS	
Design Review Committee	City Engineer Approval	Least Design Update	
C.O.A.	STD.		
City Project No.	Zone Map No.	Sheet	Of
5658.01	J-9-Z	37	61

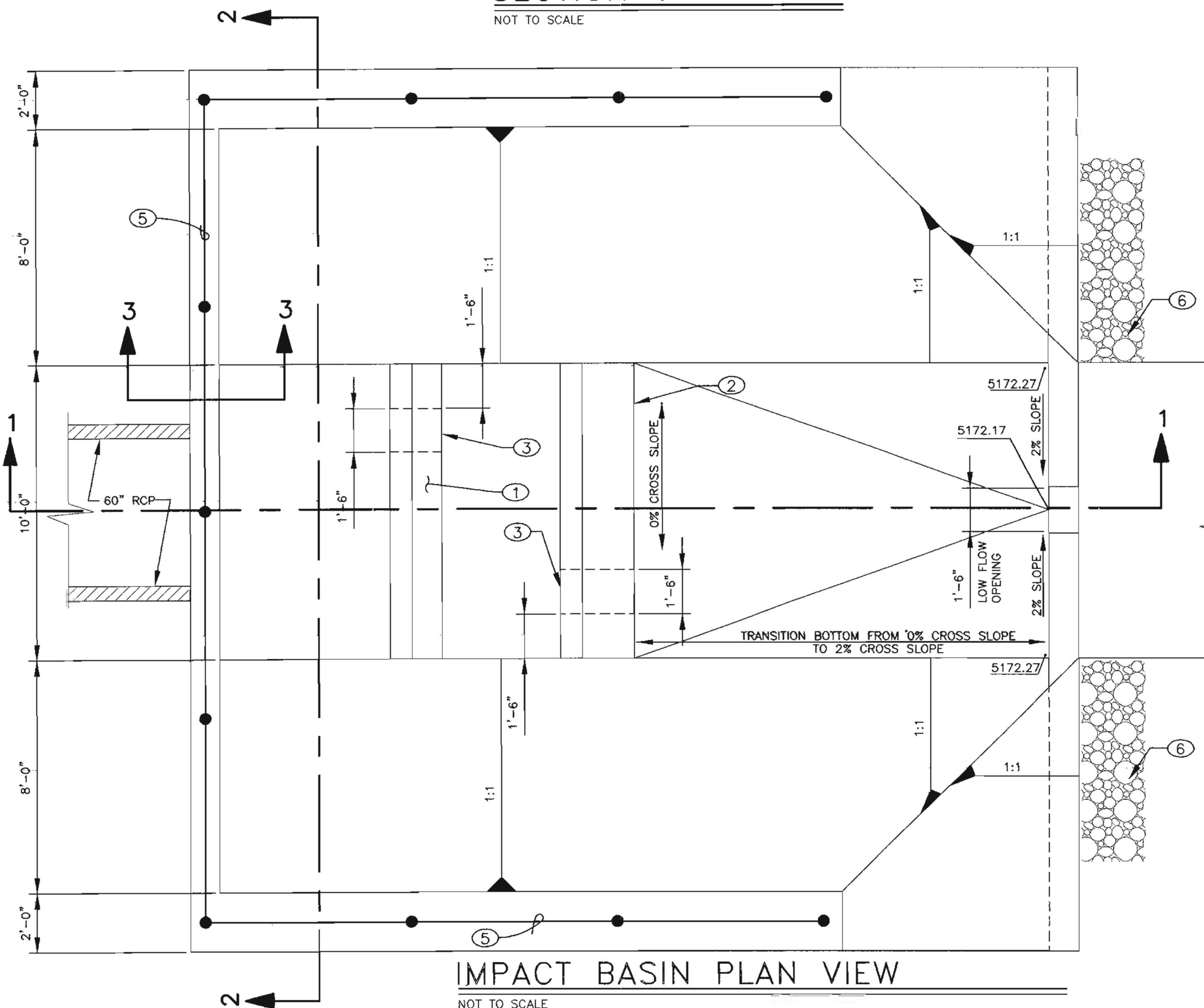
ENGINEERS SEAL				SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
C.O.A. STD.				FIELD NOTES					
				NO.	BY	DATE			CONTRACTOR
									DWL, Inc.
									STANDARD INSPECTION
NO.	DATE	REMARKS	BY						DATE
		DESIGN							DATE
		REVISIONS							DATE
DESIGNED BY	PJC	DATE	4/02						DATE
DRAWN BY	EAD	DATE	4/02						DATE
CHECKED BY	PJC	DATE	4/02						DATE
								MICRO-FILM INFORMATION	
								RECORDED BY	
								NO.	

SCANNED BY
MESA REPRO

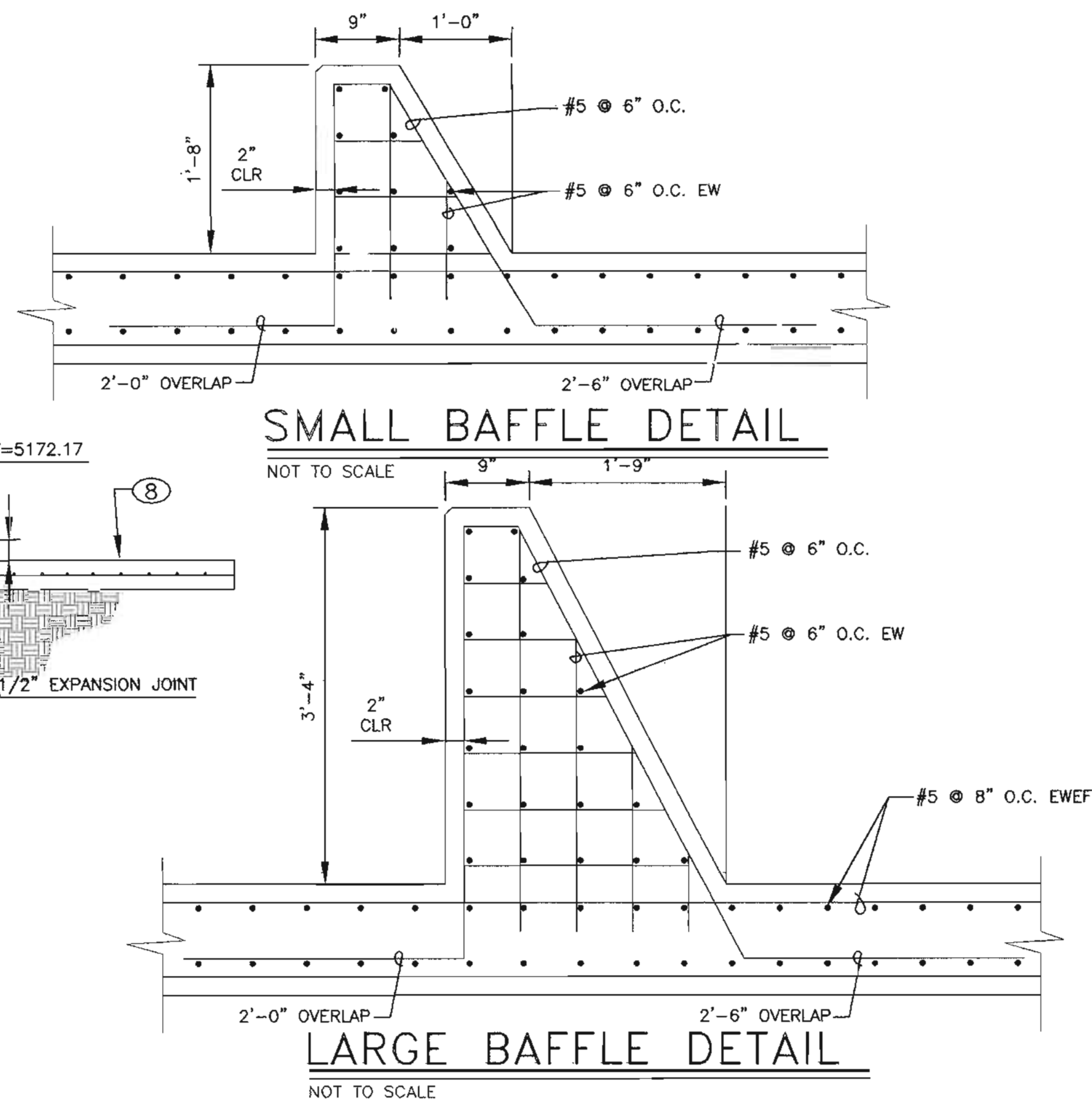


SECTION 1

NOT TO SCALE

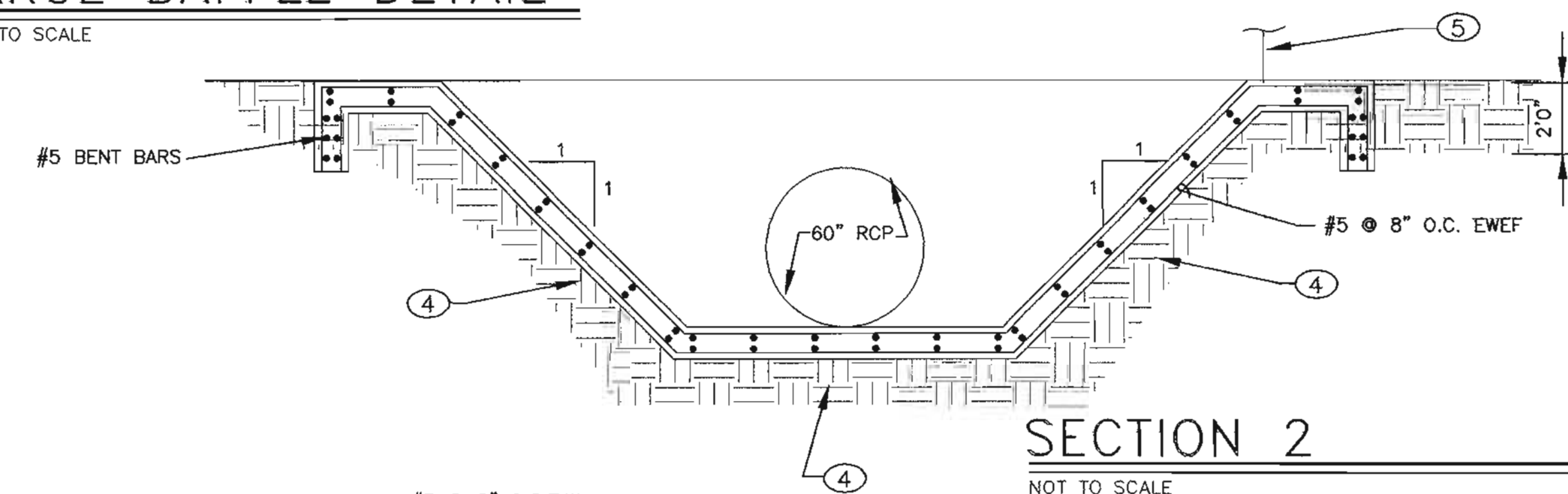


IMPACT BASIN PLAN VIEW



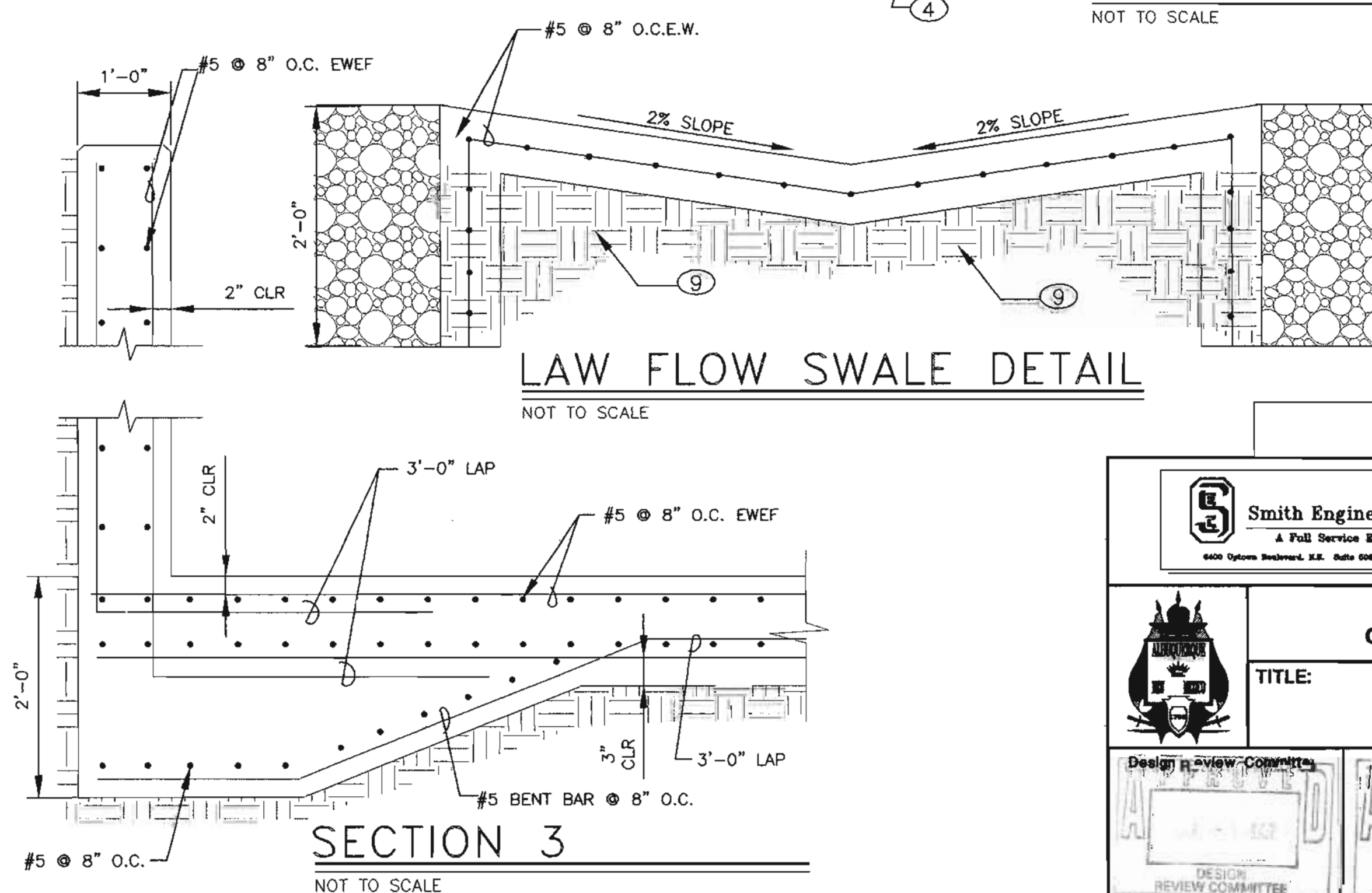
SMALL BAFFLE DETAIL

LARGE BAFFLE DETAIL



SECTION 2

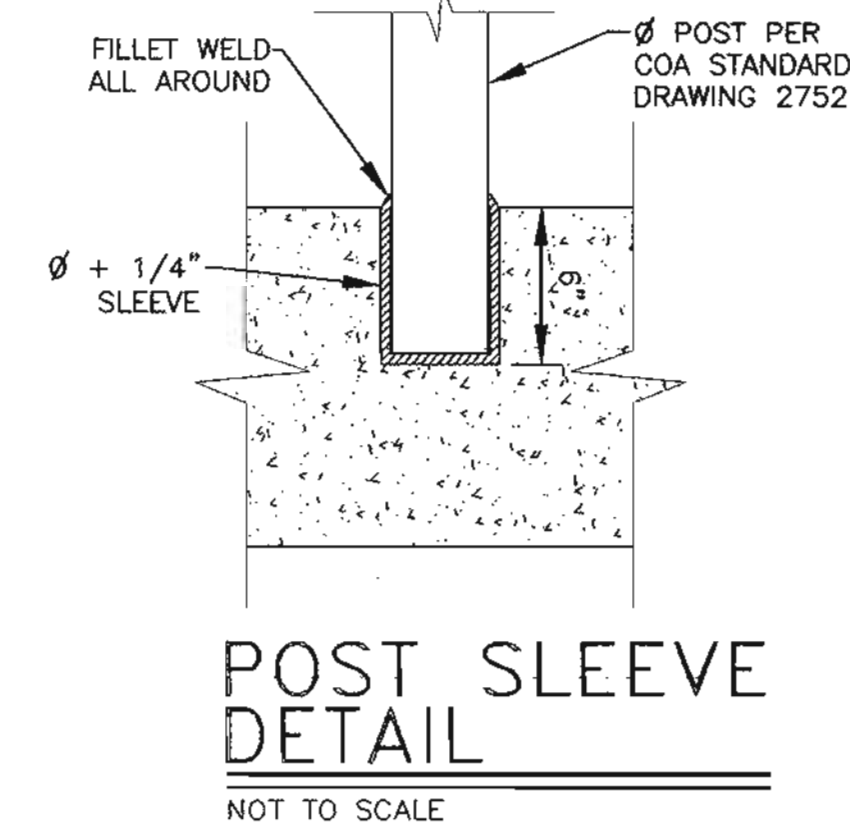
NOT TO SCALE



SECTION 3

○ KEYED NOTES:

1. SMALL BAFFLE. SEE DETAIL THIS SHEET.
2. LARGE BAFFLE. SEE DETAIL THIS SHEET.
3. 1'-6" WIDE X 8" HIGH BLOCKOUT.
4. 3'-0" STRUCTURAL FILL UNDER IMPACT BASIN TO 95% ASTM D-1557 IN 8" LOOSE LIFTS.
5. 6' HIGH CHAINLINK FENCE AROUND PERIMETER OF IMPACT BASIN PER COA STD DWG 2252.
6. 2'-0" TYPE M DUMPED RIP-RAP.
7. FILTER FABRIC FOR RIP-RAP.
8. LOW FLOW SWALE. SEE DETAIL THIS SHEET
9. 12" SUBGRADE COMPACTED TO 95% ASTM D-1557.



POST SLEEVE DETAIL

NOT TO SCALE



202 CENTRAL AVE. S.
WEST COURTYARD
ALBUQUERQUE, NEW MEXICO 87102
87102

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100300

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A Full Service Engineering Company

6400 Optima Boulevard, N.E. Suite 600E Albuquerque, New Mexico 87110

Smith Engineering Company

TITLE

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM

WEST SIDE TRANSIT FACILITY IMPACT BASIN DETAILS

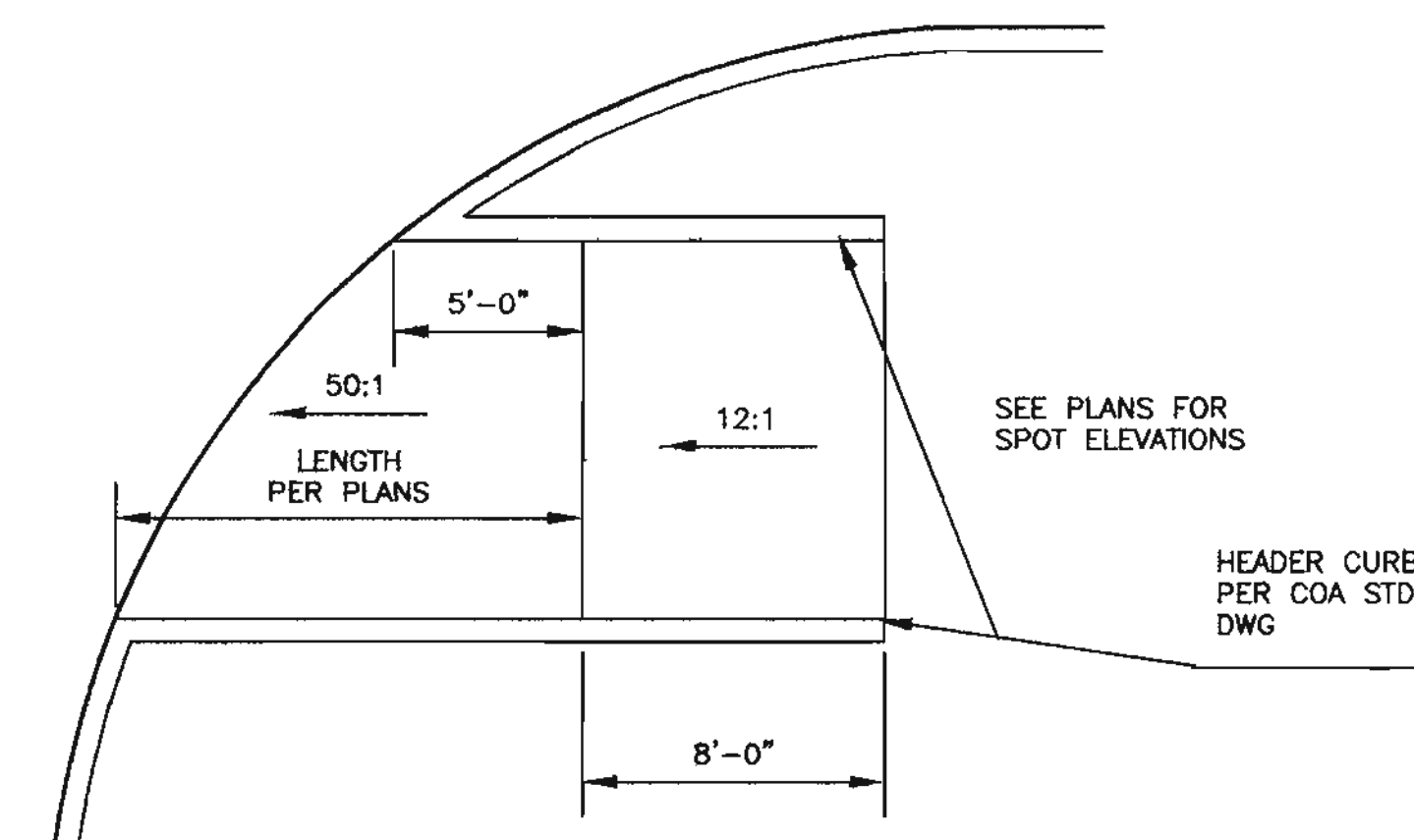
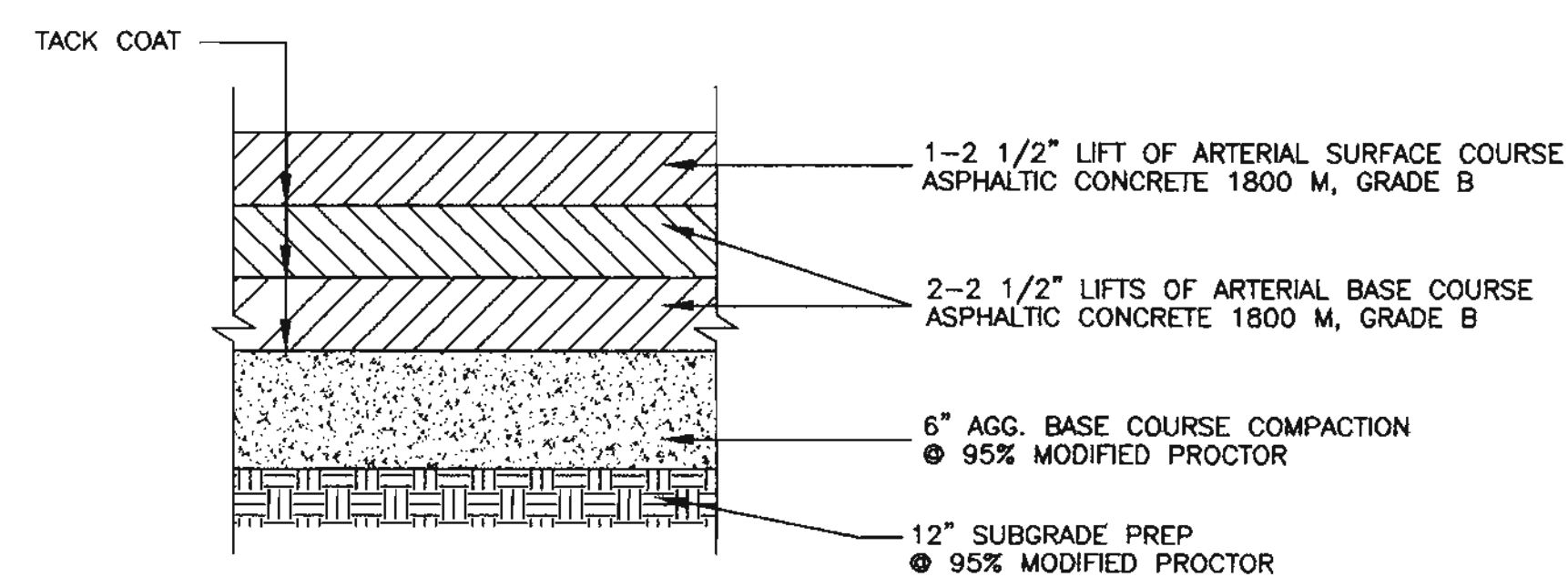
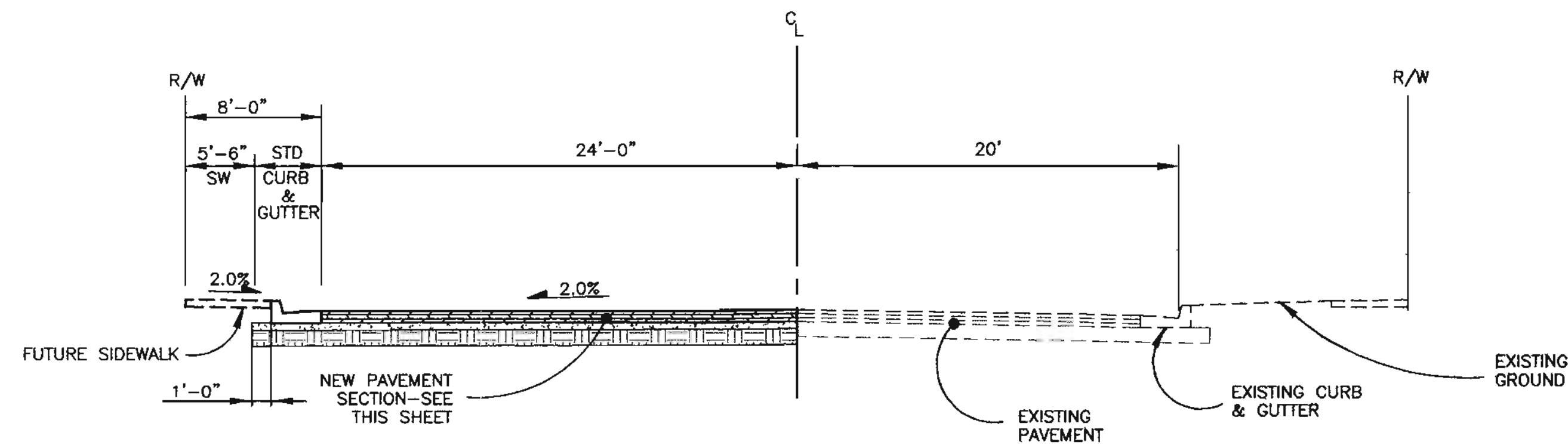
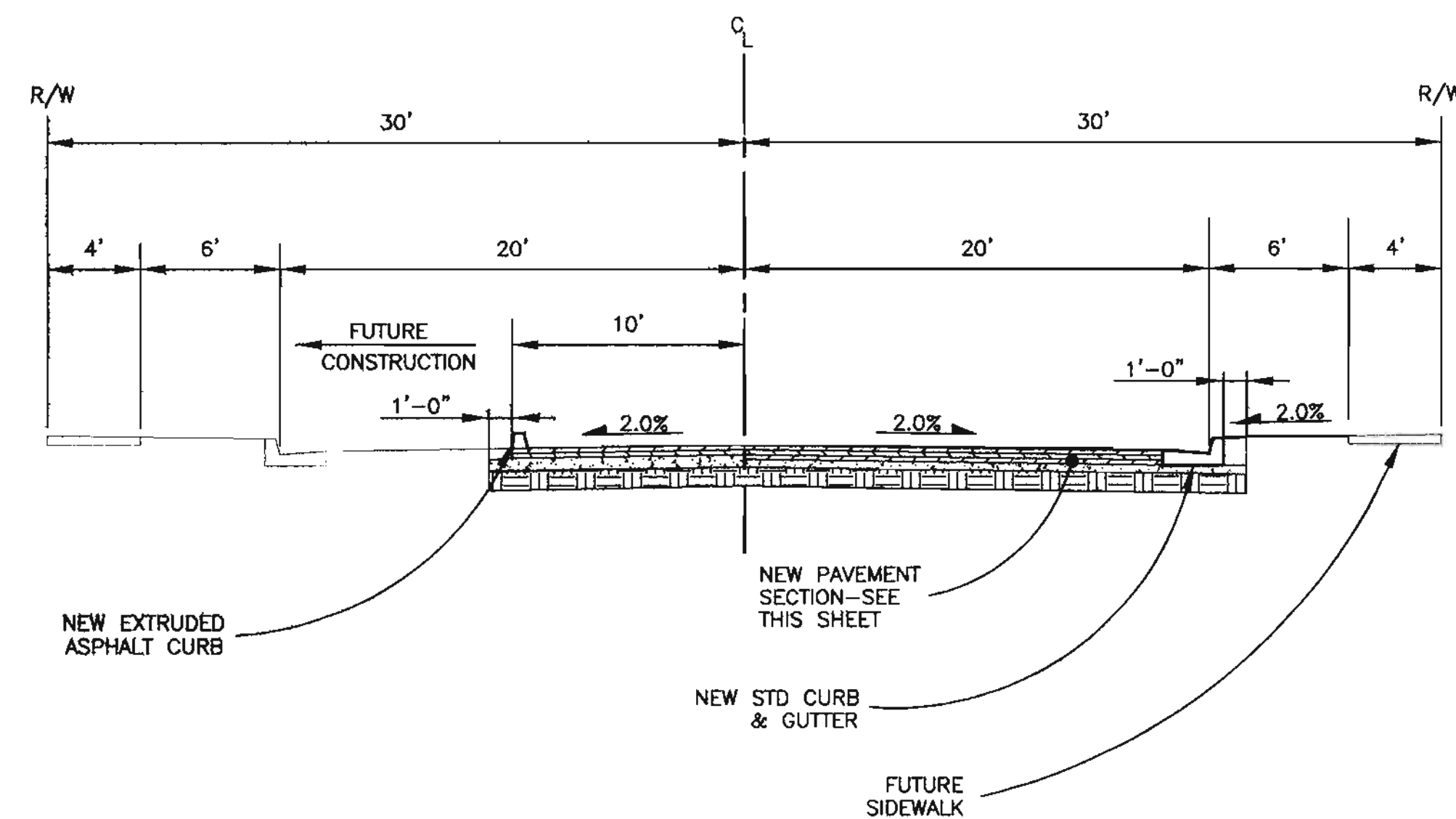
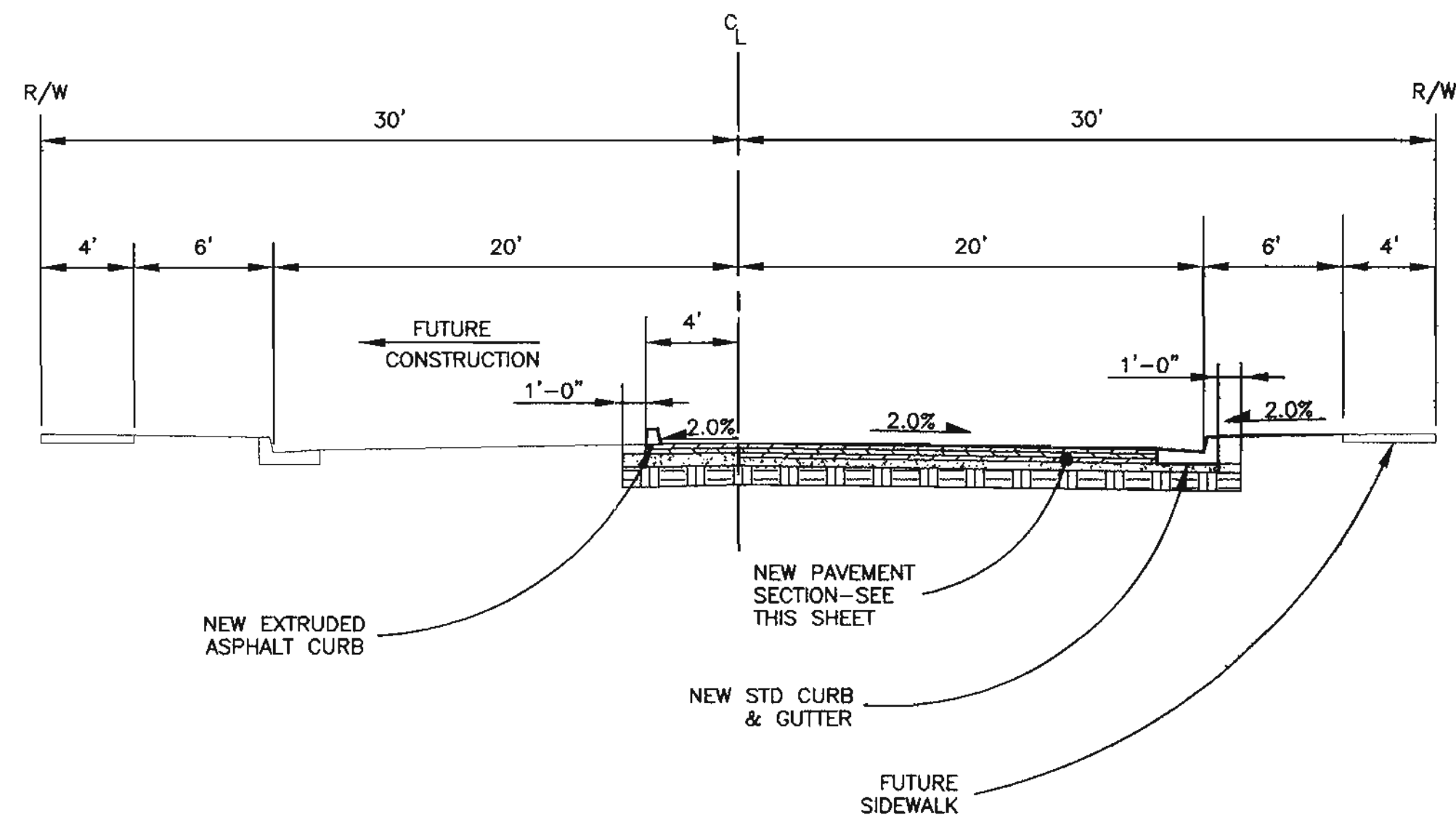
CITY ENGINEER APPROVAL

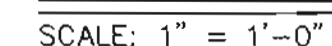
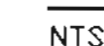
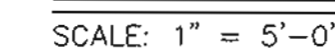
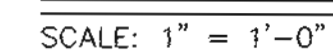
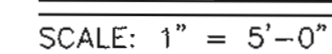
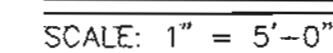
APR - 1971

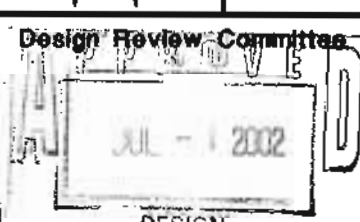
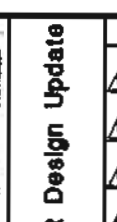
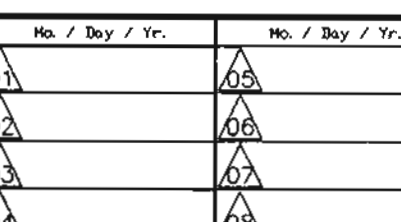
CITY ENGINEER

	Mo. / Day / Yr.	Mo. / Day / Yr.
01	05	
02	06	
03	07	
04	08	

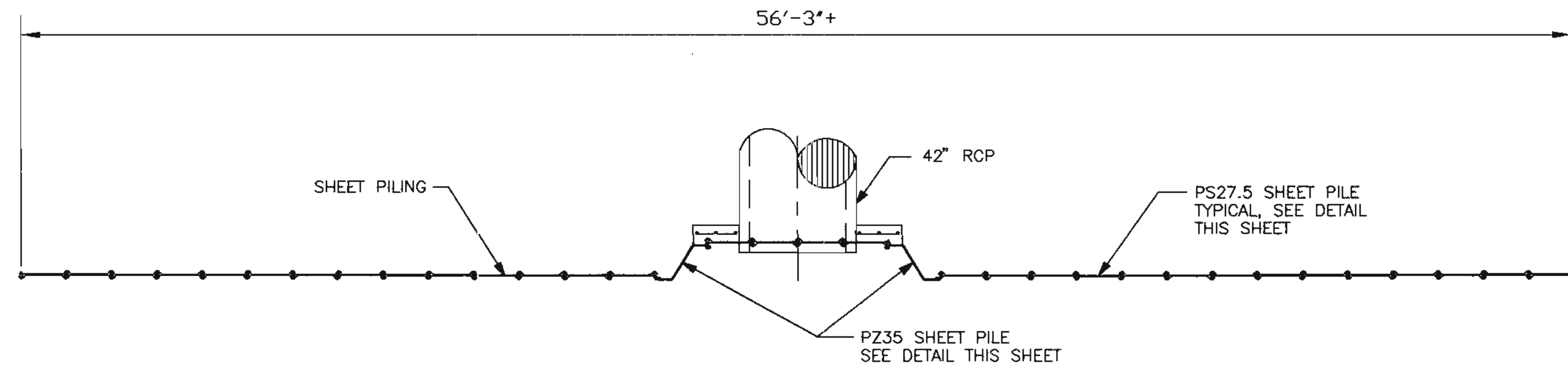
City Project No.	5658.01	Zone Map No.	J-9-Z	Sheet	38	Of	61
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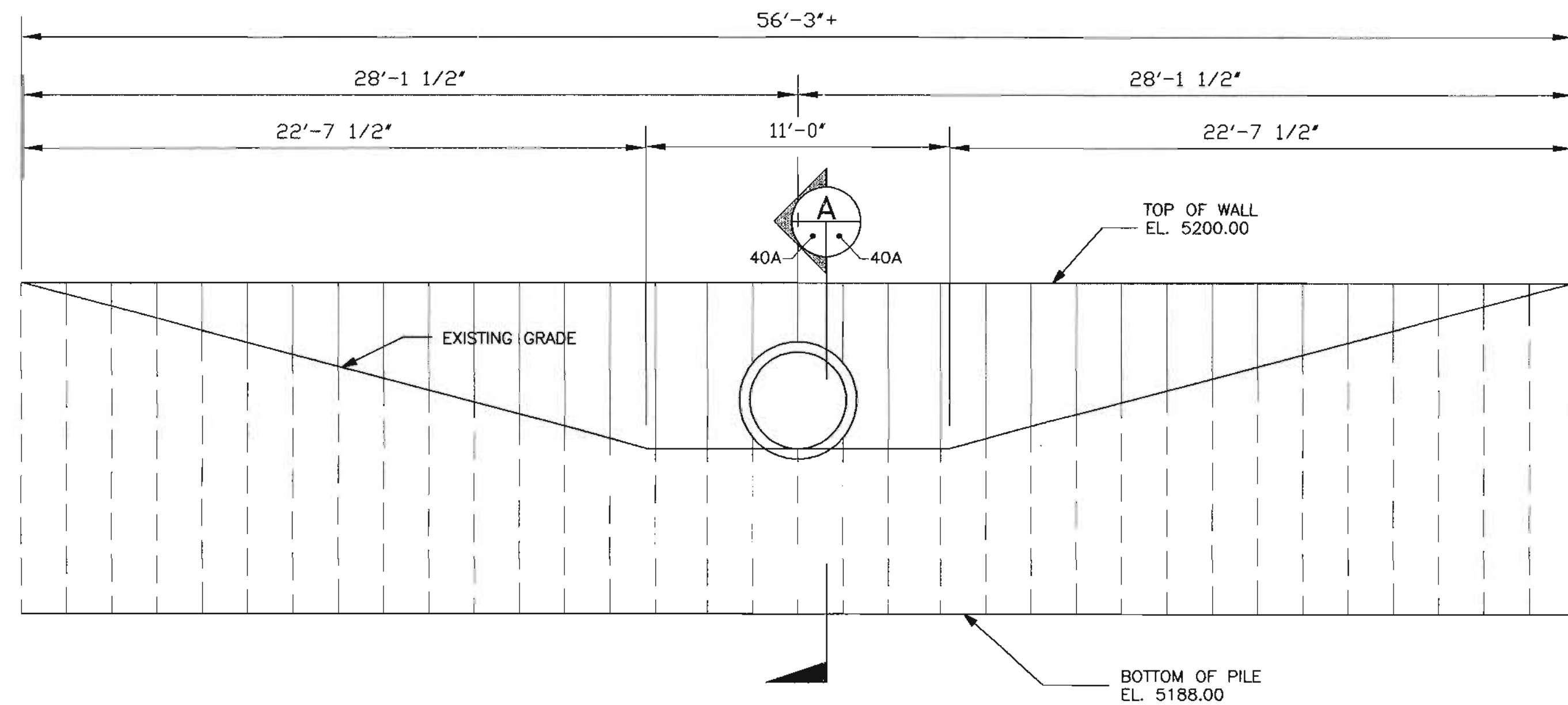
		CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM	
TITLE:		WEST SIDE TRANSIT FACILITY HEADWALL DETAILS	
Design Review Committee 	City Engineer Approval 	Last Design Update 	
City Project No.	5658.01	Zone Map No. J-9-Z	Sheet 40 Of 61

SCANNED BY
MESA REPRO



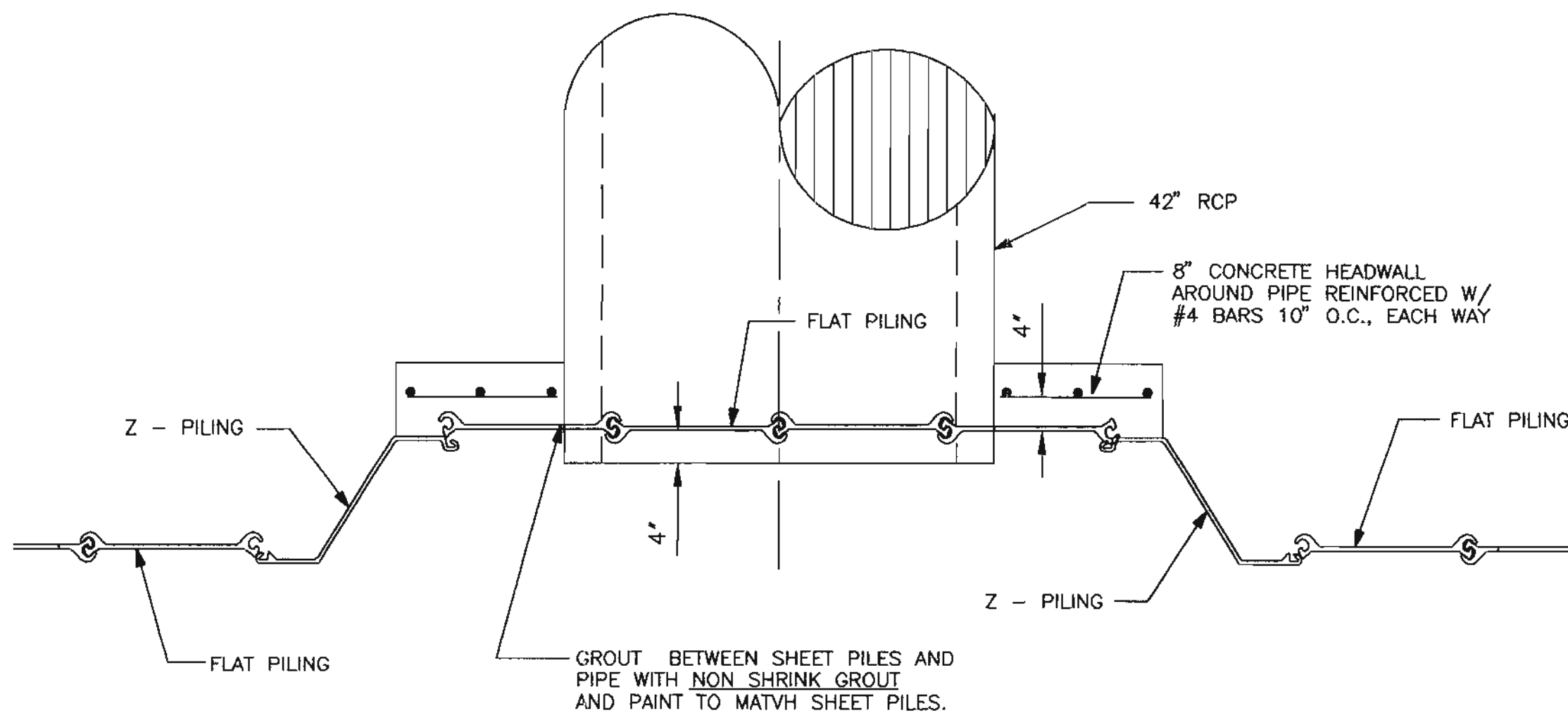
HEADWALL - PLAN VIEW

SCALE: 1/4"=1'-0"



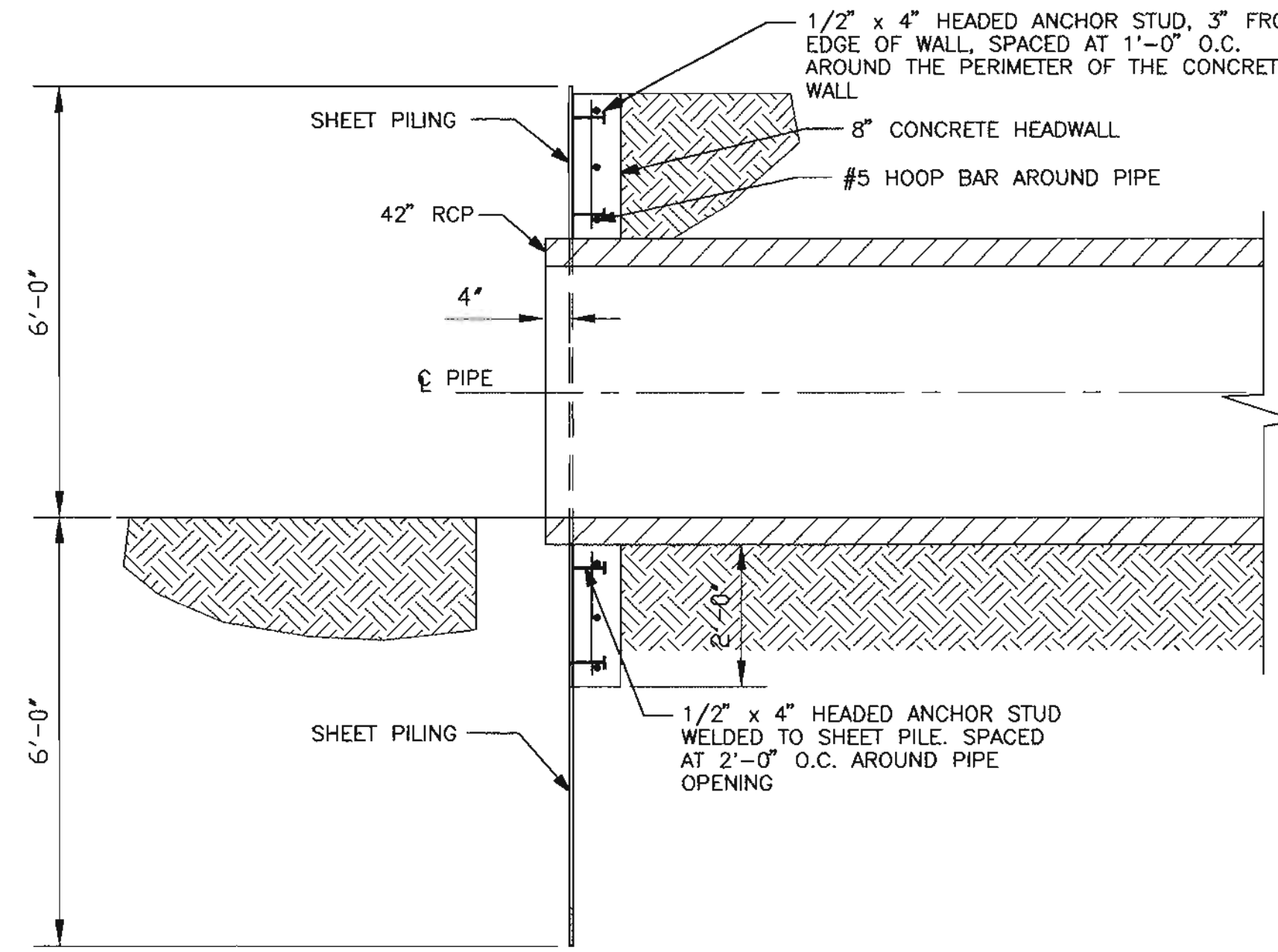
ELEVATION -- HEADWALL

SCALE: 1/4"=1'-0"



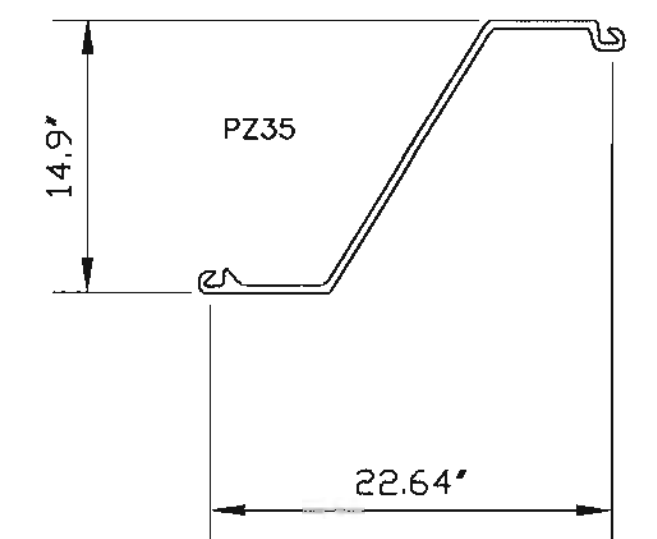
ENLARGED PLAN - HEADWALL

SCALE: 3/4"=1'-0"



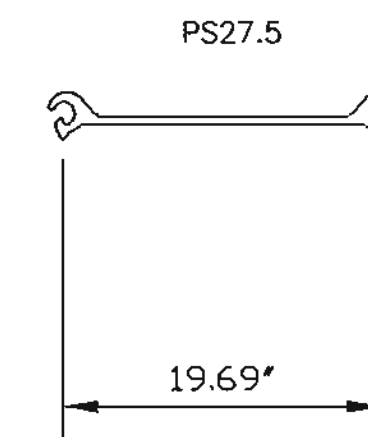
SECTION 'A' - NEW HEADWALL

SCALE: 1/2"=1'-0"



Z SHEET - PILING

SCALE: NO SCALE



FLAT SHEET - PILING

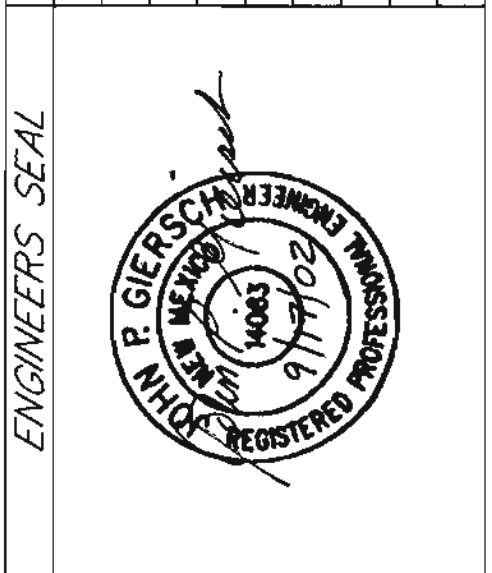
SCALE: NO SCALE

GENERAL NOTES:

- ALL STEEL PILES SHALL BE FABRICATED FROM STEEL IN ACCORDANCE WITH ASTM A572, GRADE 50 OR 60.
- EXPOSED SURFACES OF STEEL PILES SHALL BE PAINTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS USING FOLIAGE GREEN BRIDGE PAINT.
- ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60.

AS BUILT INFORMATION			
CONTRACTOR	C.M.E., Inc.	DATE	4/02
INSPECTOR	STEVE TOLIER	DATE	4/02
FIELD VERIFICATION BY	SEC	DATE	4/02
CORRECTED BY	COA	DATE	4/02
MICRO-FILM INFORMATION			
RECORDED BY		DATE	
NO.			

SURVEY INFORMATION			
BENCH MARKS			
A.C.S. CONTROL MONUMENT "10-K10"			
ELEV. (NGVD 29) = 5142.79'			
3-1/4" AL. CAP IN CONC. CURB			
S.W. COR. UNSER & LOS VOLCANES			
N 1,487,056.22 ; E 357,375.04			
DELTA ALPHA = -0°16'27"			
COMBINED FACTOR=0.999675701 (PROJECT)			
NO.			



ENGINEERS SEAL			
NO.	11599	DATE	2000
BY	STEVE TOLIER	DATE	2000
REMARKS	REVISIONS		
NO.	DATE	DESIGNED BY	PJC
DATE	4/02	DRAWN BY	EAD
DATE	4/02	CHECKED BY	PJC

CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM	
TITLE: WEST SIDE TRANSIT FACILITY STRUCTURAL PLANS AND DETAILS	
City Project No. 5658.01	Zone Map No. J-9-Z
Sheet 40A	Of 61

City Engineer Approval SEP 17 2002	City Engineer Update SEP 17 2002
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No. / Day / Yr.	No. / Day / Yr.
▲	▲
▲	▲
▲	▲
▲	▲

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.

2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.

3. THESE 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.

4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.

5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.

6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO 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 CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP 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.

8. 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.

9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.

10. ALL BARRICADES 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 CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.

11. ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24-HOUR PER DAY BASIS UNTIL COMPLETED.

12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.

13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELLED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.

15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.

16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.

17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.

18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

19. 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.

20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. 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. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.

23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.

25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

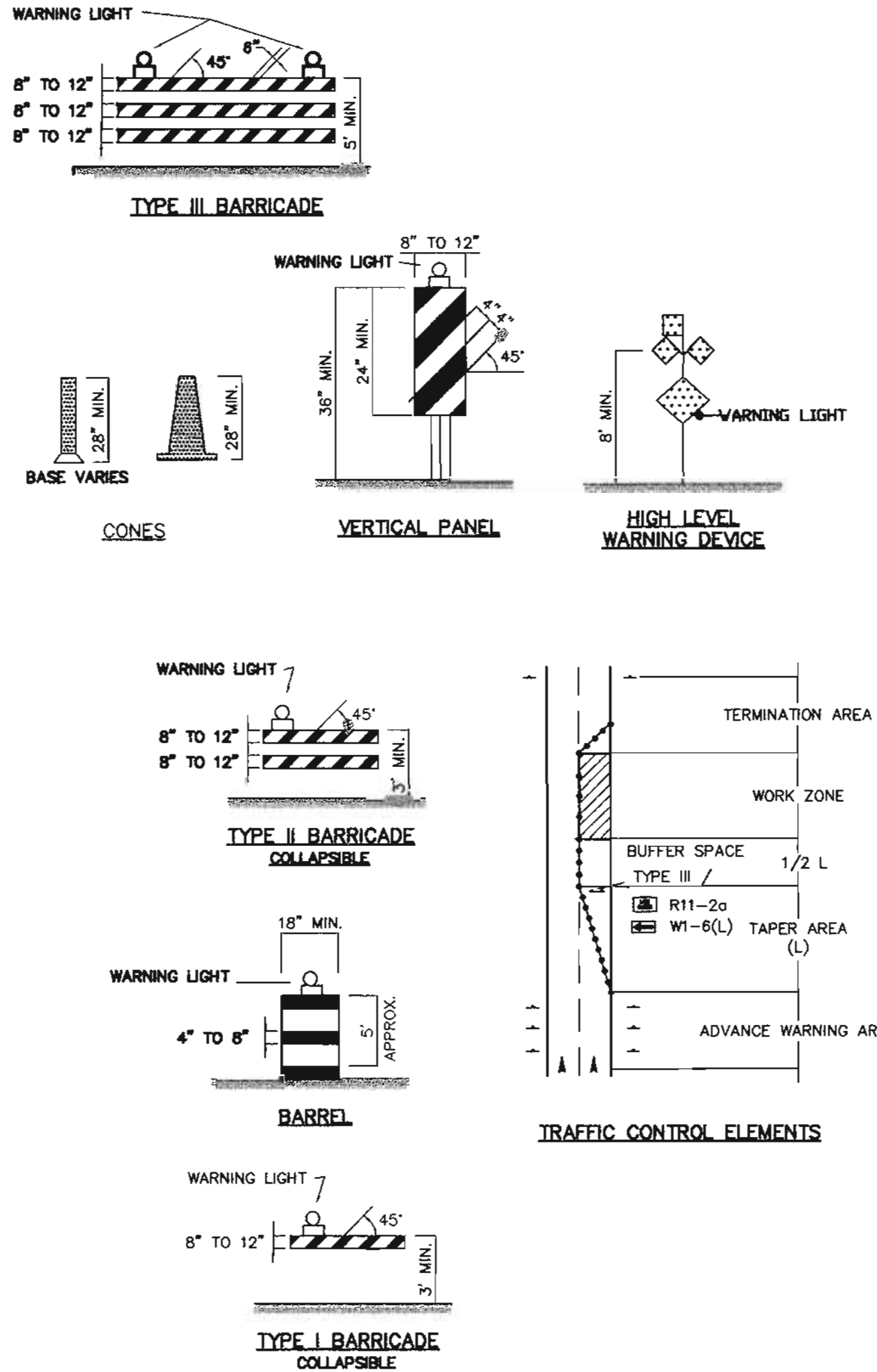
26. ADVANCE WARNING SIGNS SHALL BE 36"x36" WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48-INCH SIGN AS INDICATED IN THE MUTCD.

27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.

28. ALL CONDUIT CROSSINGS OF UNSER BOULEVARD SHALL BE PUSHED OR BORED. NO OPEN TRENCHES ARE ALLOWED ACROSS UNSER BOULEVARD.

29. THE CONTRACTOR IS REQUIRED TO MAINTAIN TWO LANES OPEN TO TRAFFIC IN EACH DIRECTION ON UNSER BOULEVARD FROM 6:00 A.M. TO 9:00 A.M. AND FROM 3:00 P.M. TO 6:00 P.M., MONDAY THROUGH FRIDAYS. CONTRACTOR MUST MAINTAIN AT LEAST ONE LANE IN EACH DIRECTION ON UNSER BOULEVARD WITH ALLOWABLE TURNS ONTO LOS VOLCANES ROAD AT ALL OTHER TIMES.

30. ALL UTILITY WORK AFFECTING EXISTING LANES OF TRAFFIC ON LOS VOLCANES ROAD MUST BE COORDINATED AND CONSTRUCTED DURING TIMES WHEN JIMMY CARTER JUNIOR HIGH SCHOOL IS NOT IN SESSION, OR ON WEEKENDS.



LEGEND:

- TRAFFIC FLOW
- TRAFFIC CONTROL WARNING SIGN
- TRAFFIC CONTROL BARREL
- TRAFFIC CONTROL TYPE III BARRICADE
- EXISTING CURB-AND-GUTTER
- EXISTING STRIPING
- ONSITE CONSTRUCTION ZONE
- VERTICAL PANEL SIGN W/ SUPPORT
- ARROW BOARD

TAPER REQUIREMENTS

SPEED LIMIT (MPH)	TAPER LENGTH (L) (FEET)			MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET	
	10' LANE	11' LANE	12' LANE		ALONG TAPER	AFTER TAPER
20	70	75	80	5	20	20
25	105	115	125	6	25	25
30	150	165	180	7	30	30
35	205	225	245	8	35	35
40	270	295	320	9	40	40
45	450	495	540	13	45	45
50	500	550	600	13	50	50
55	550	605	660	13	55	55

RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

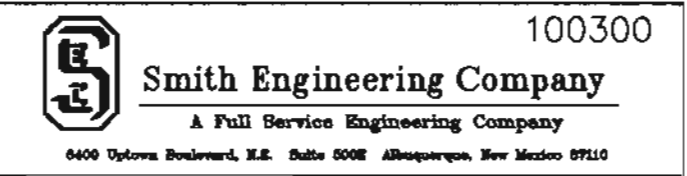
SPEED MILES PER HOUR	MINIMUM DISTANCE BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

TAPER CRITERIA

TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTEAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED LIMIT	
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 MPH OR GREATER	$L = W \times S$
L = TAPER LENGTH W = WIDTH OF OFFSET IN FEET S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH	



CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM

TITLE: WEST SIDE TRANSIT FACILITY
SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

Design Review Committee

City Engineer Approval

C.O.A. STD.

City Project No.

5658.01

Zone Map No.

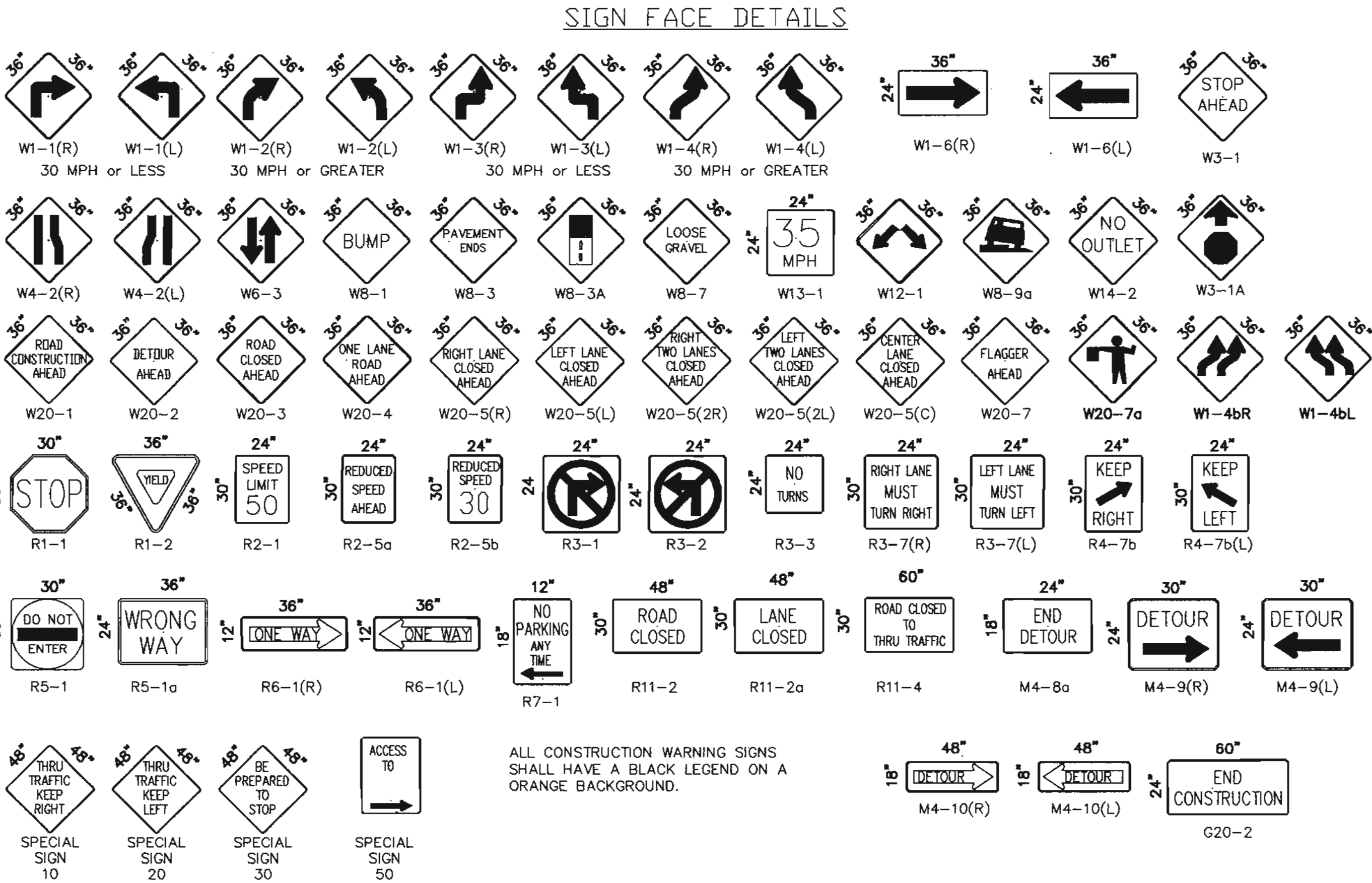
J-9-Z

Sheet

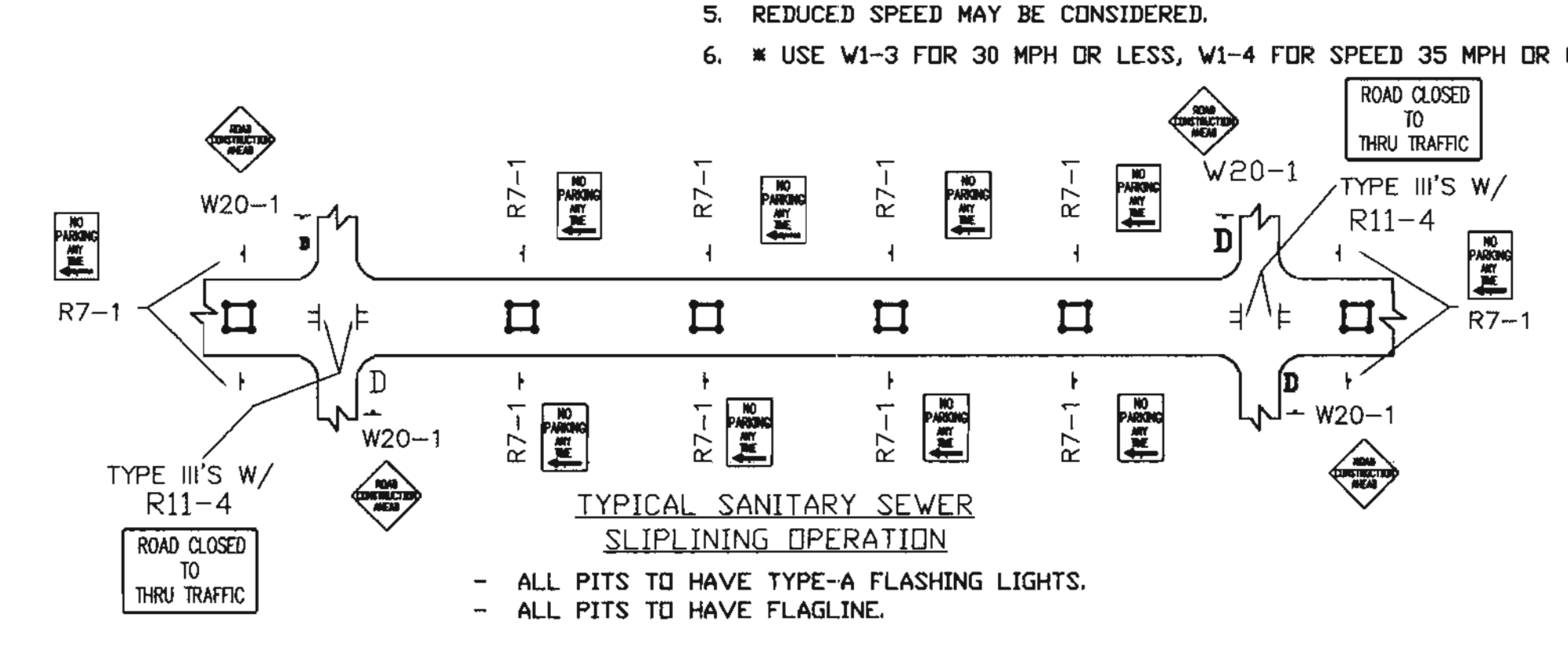
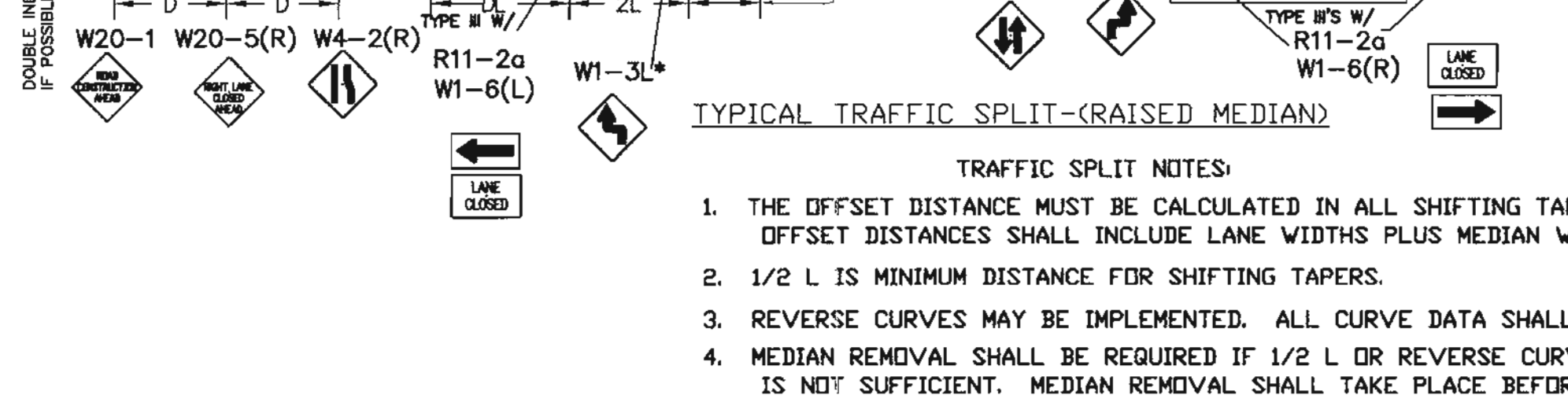
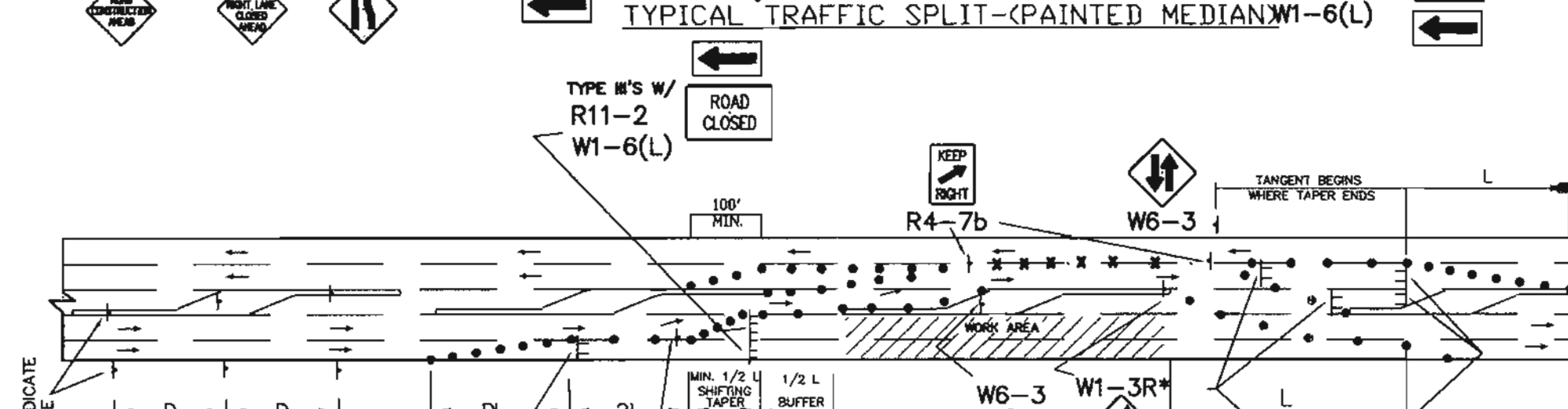
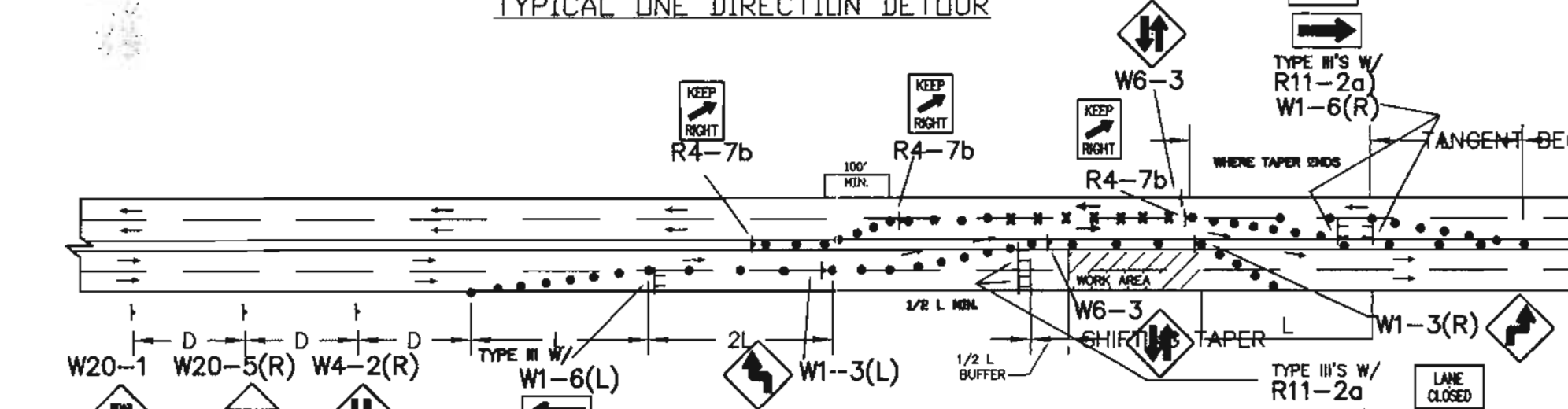
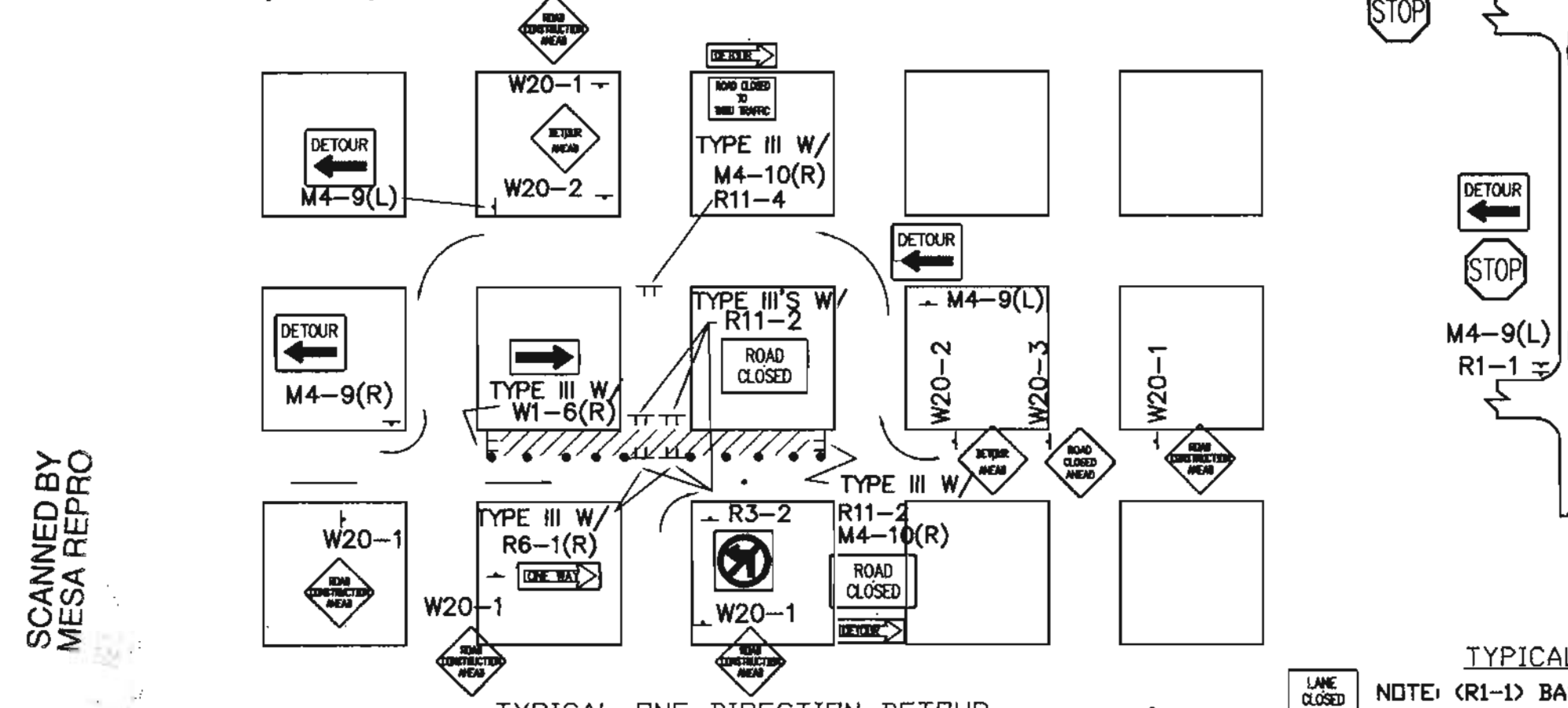
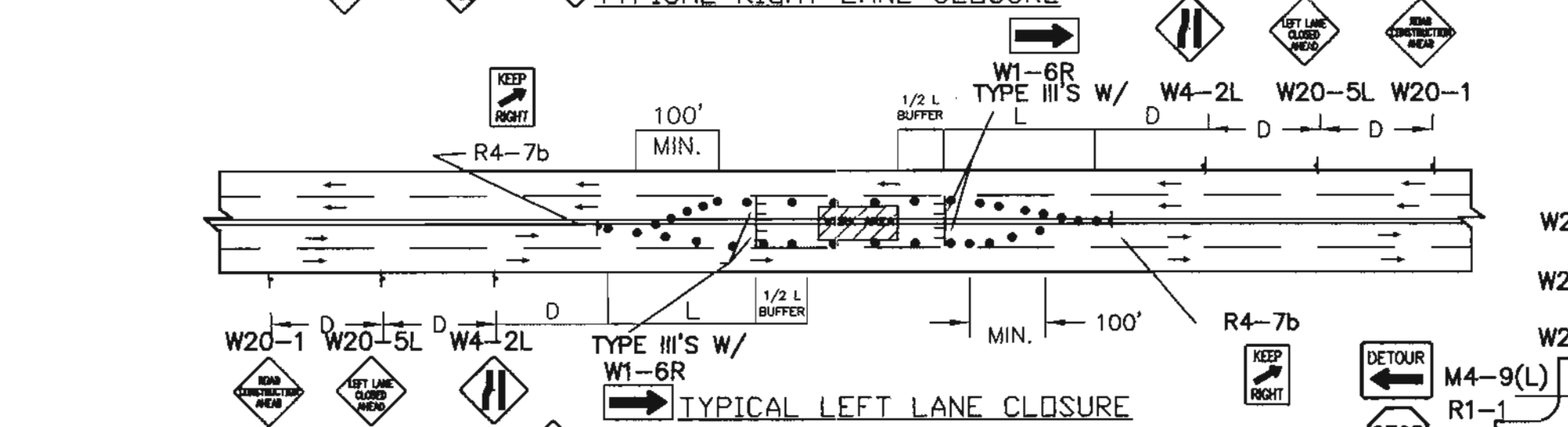
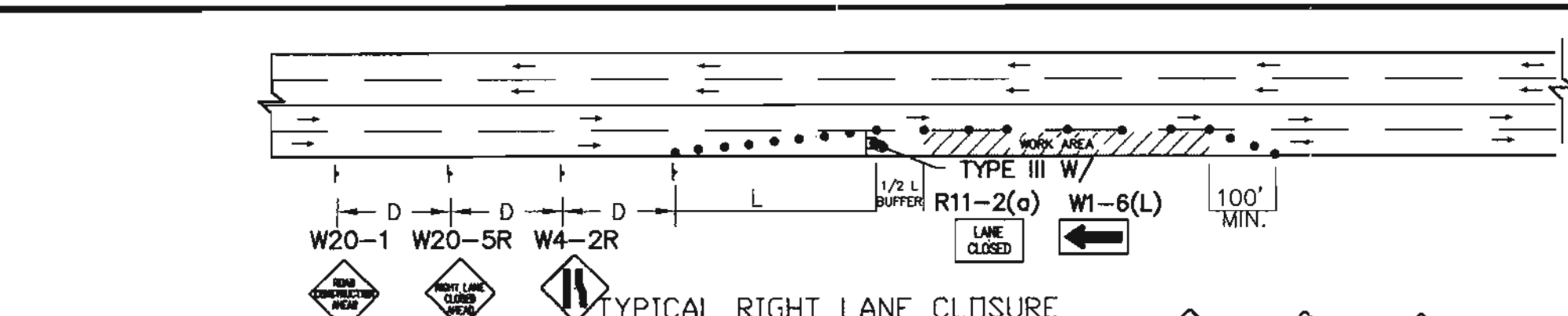
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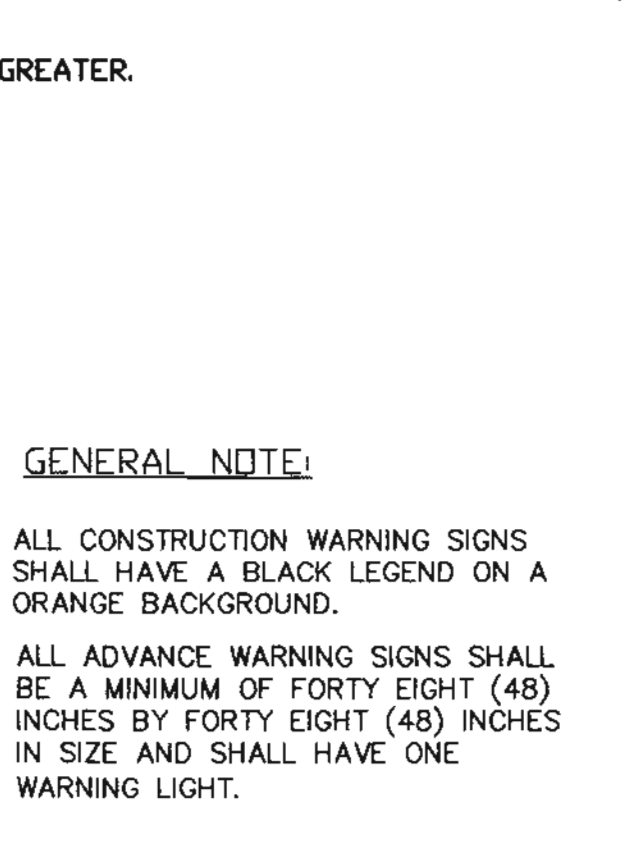
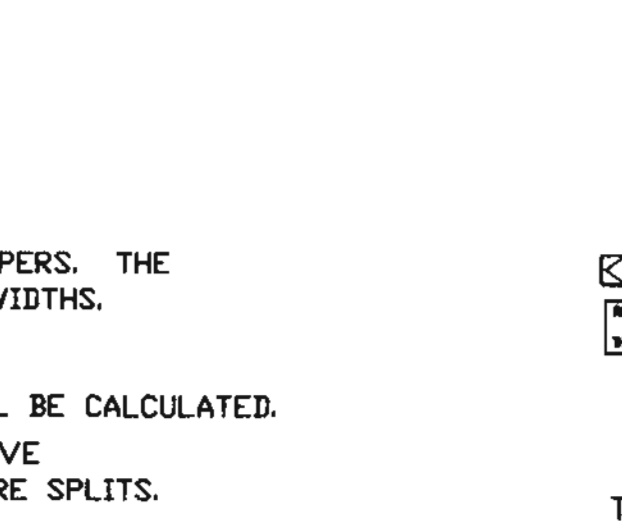
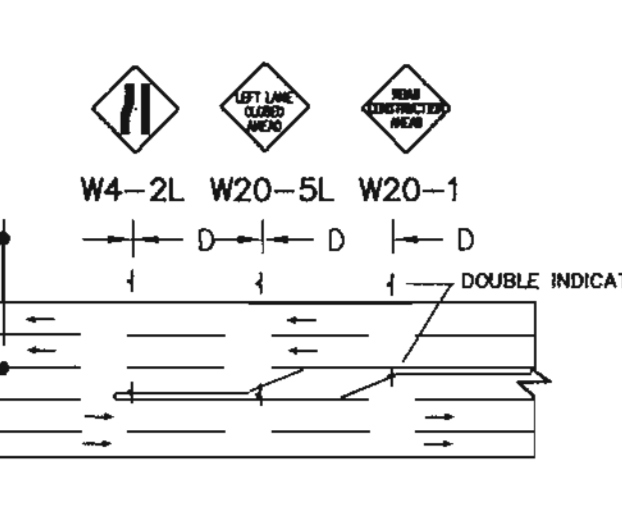
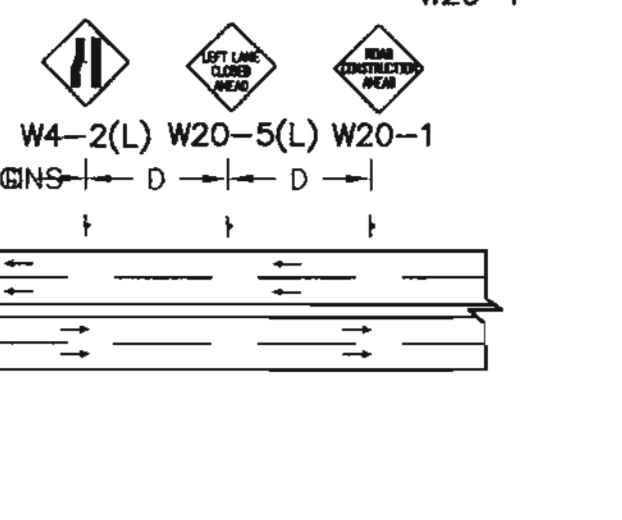
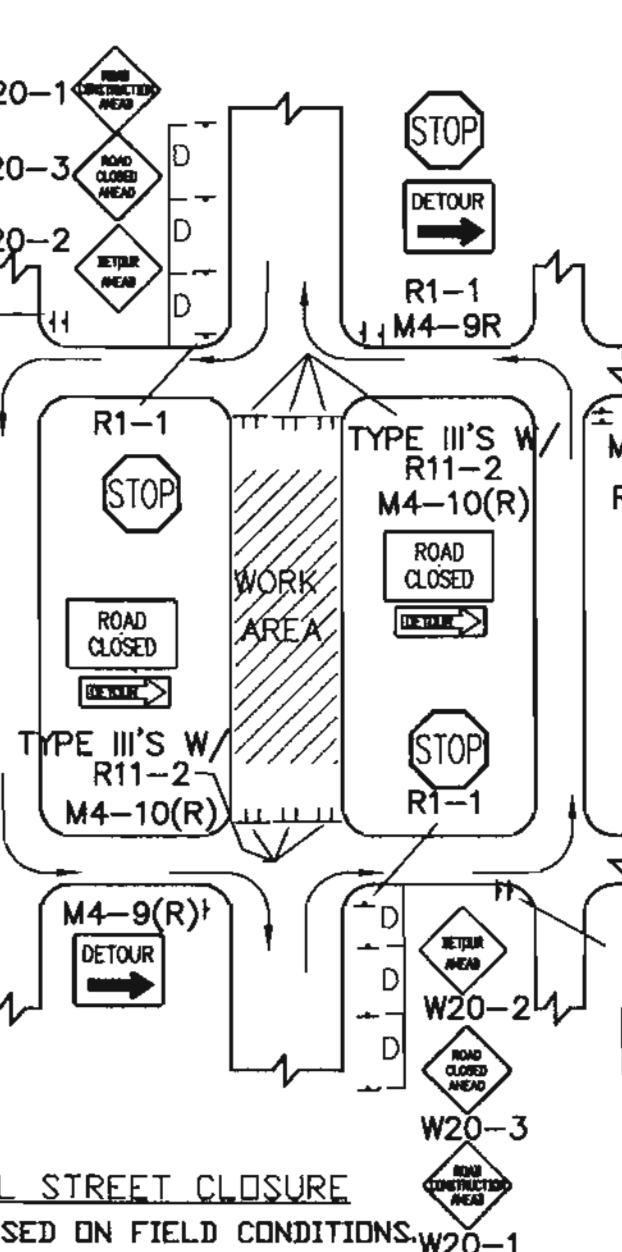
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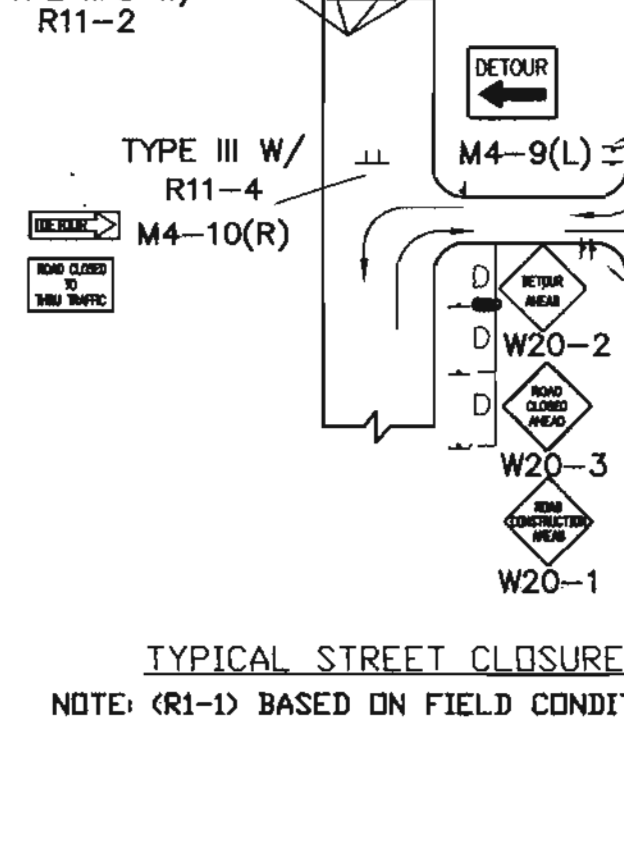
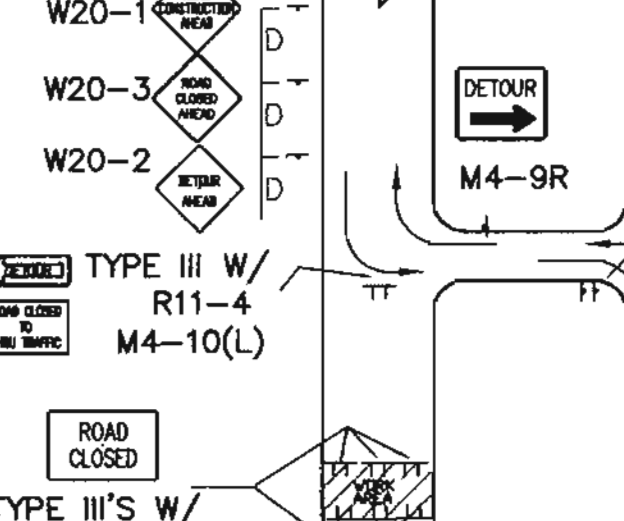
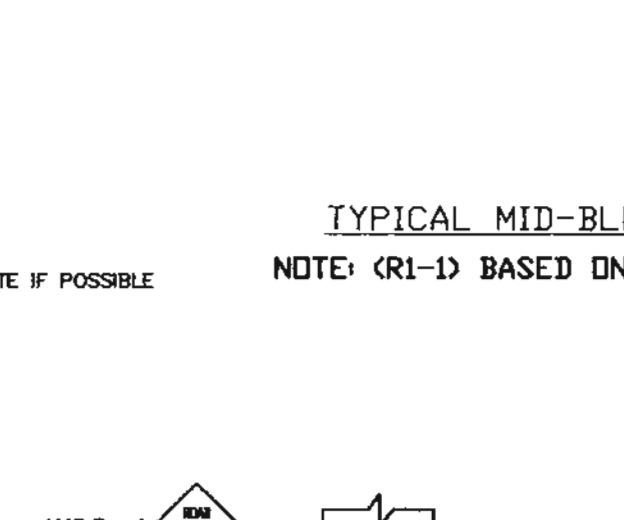
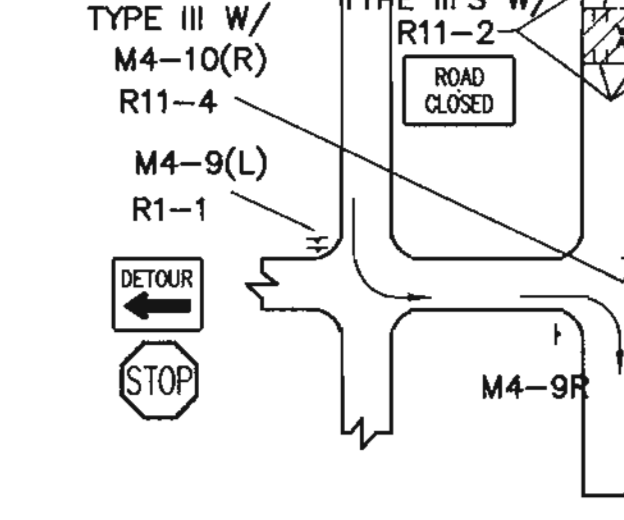
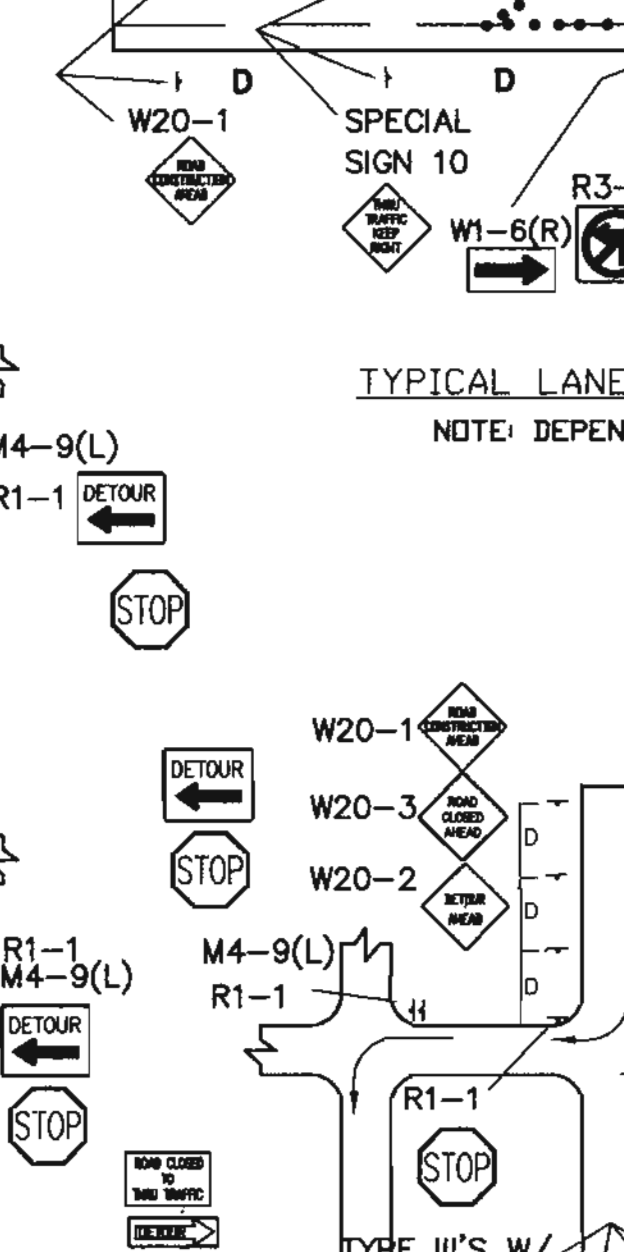
ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.



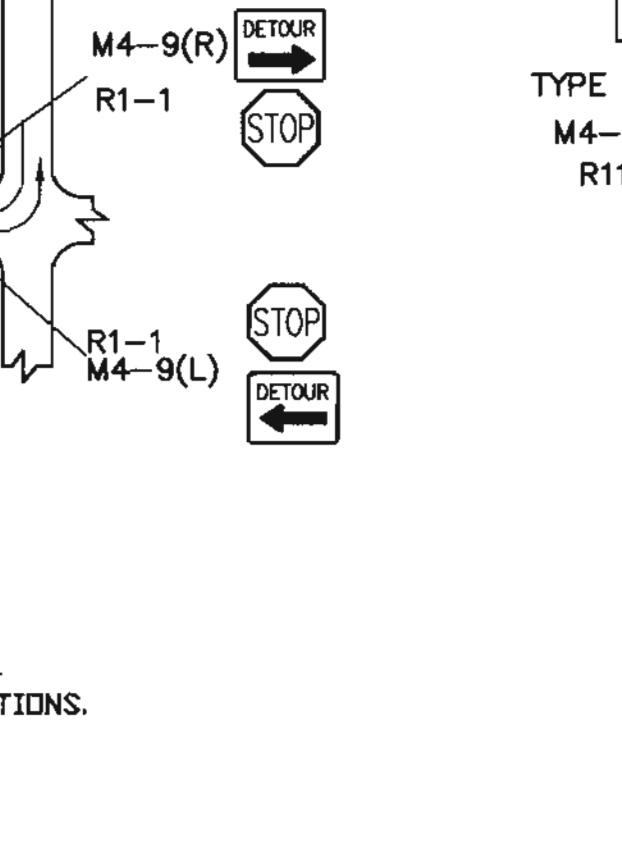
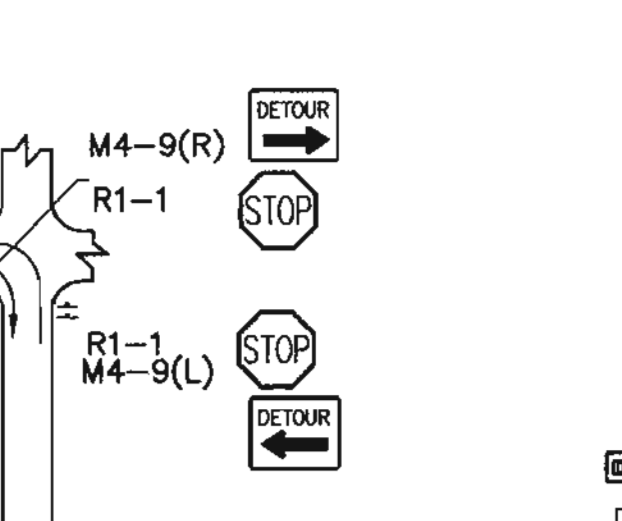
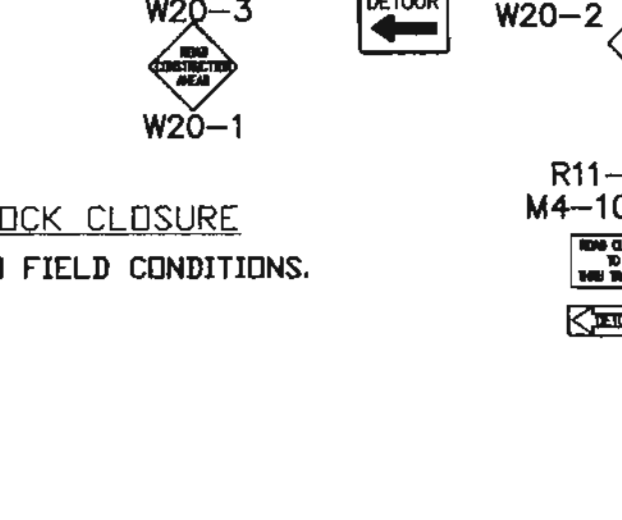
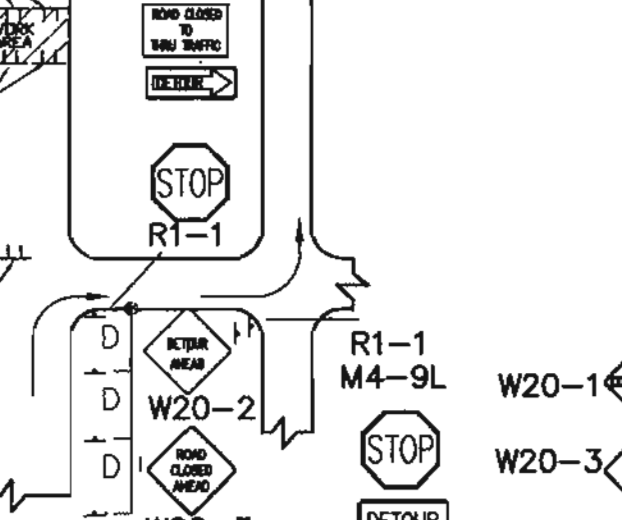
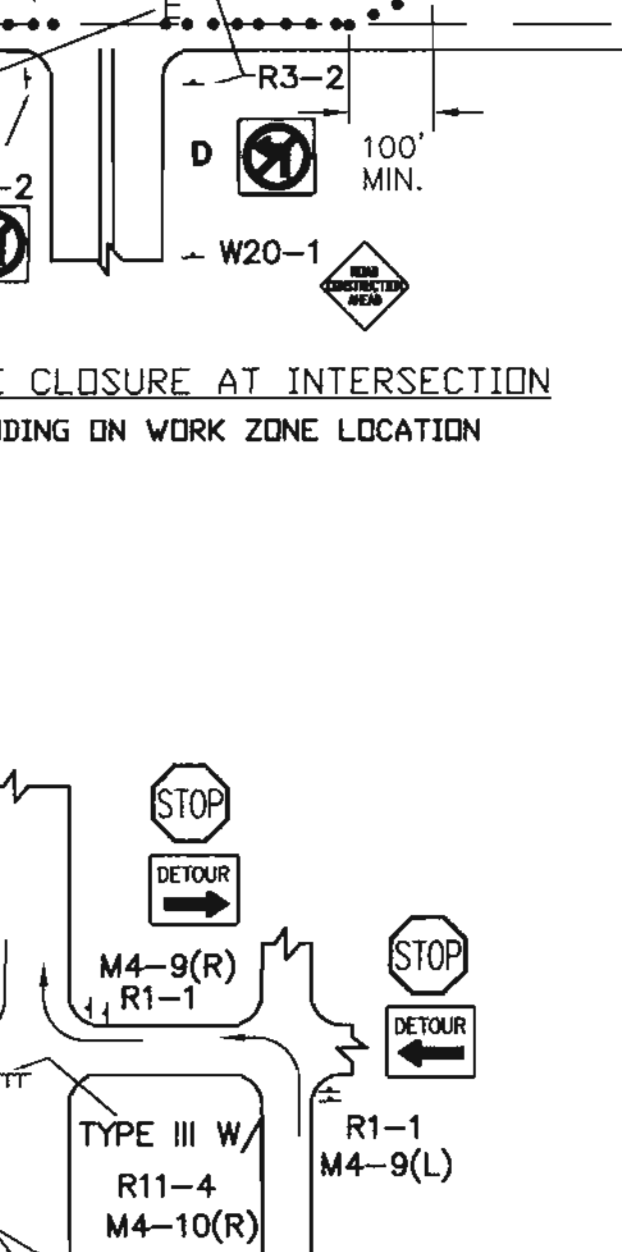
NOTE: MAY REQUIRE LEFT LANE CLOSURE DEPENDING ON FIELD CONDITIONS.



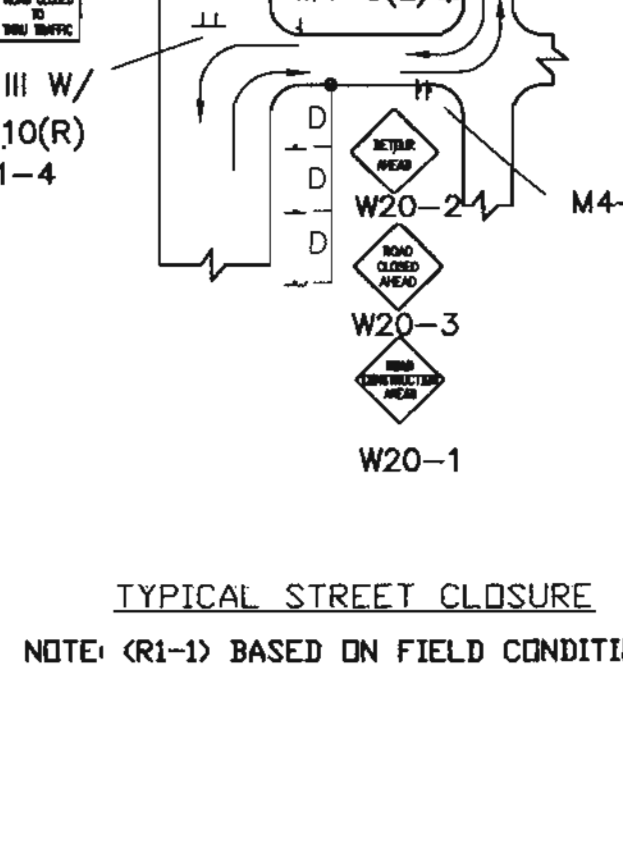
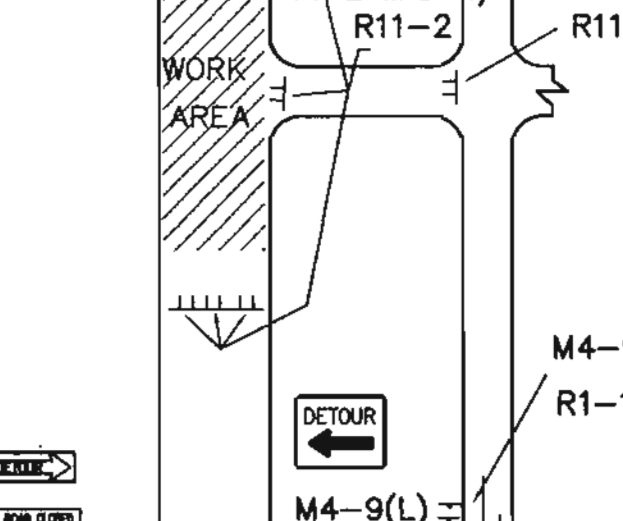
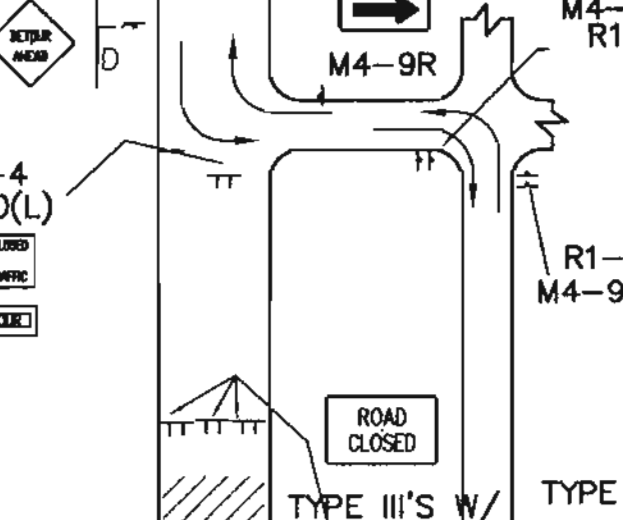
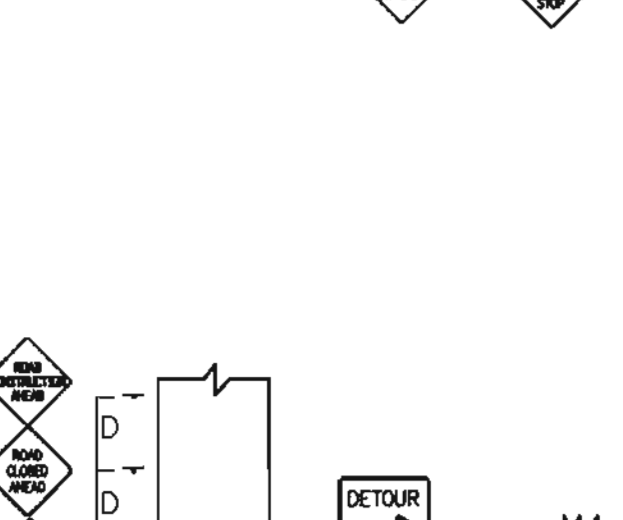
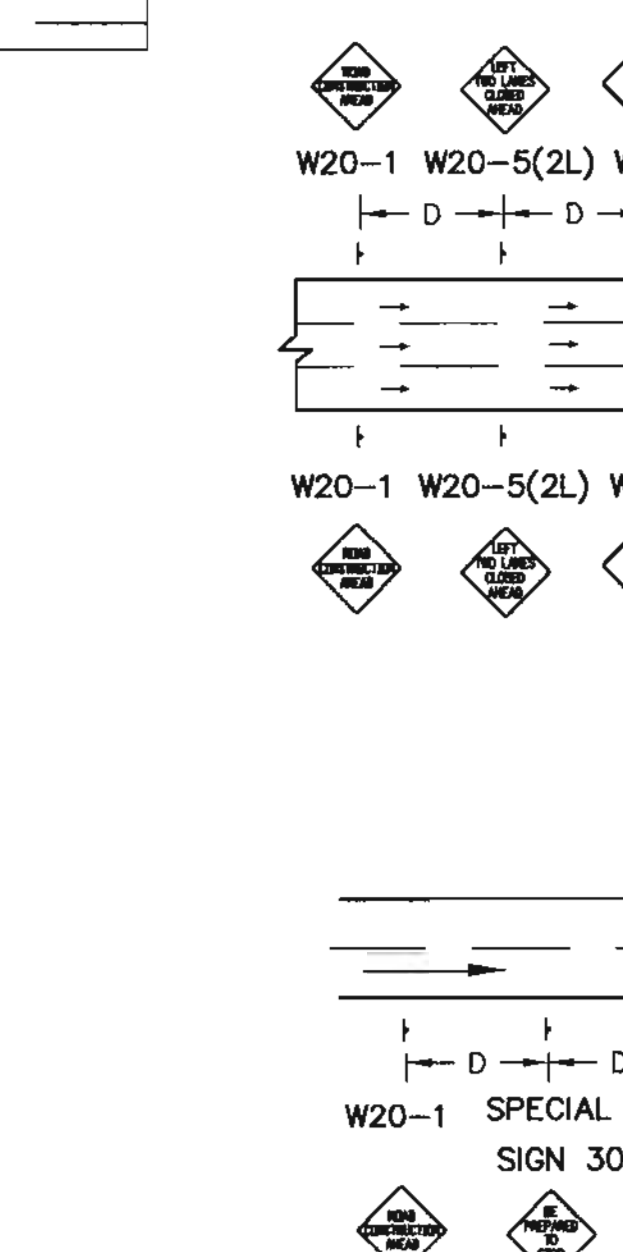
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



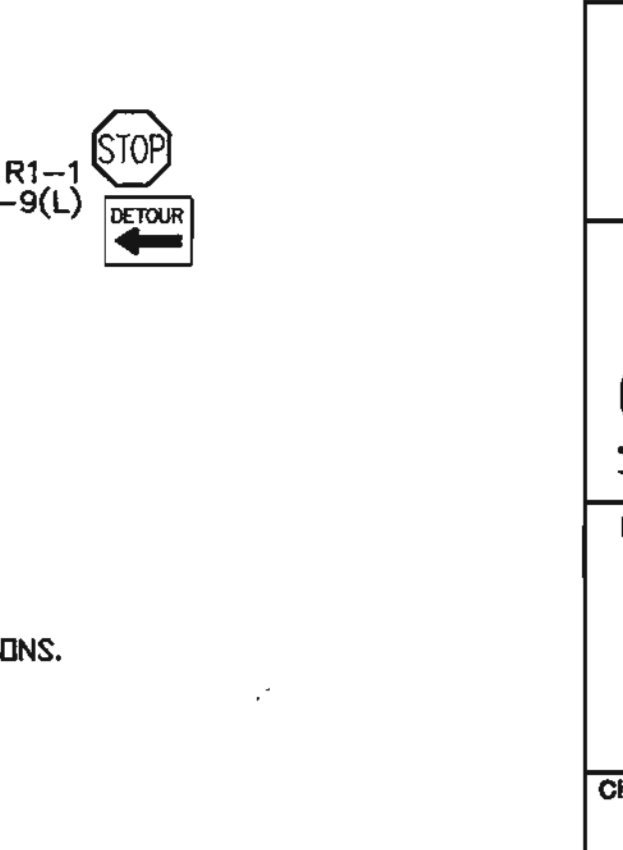
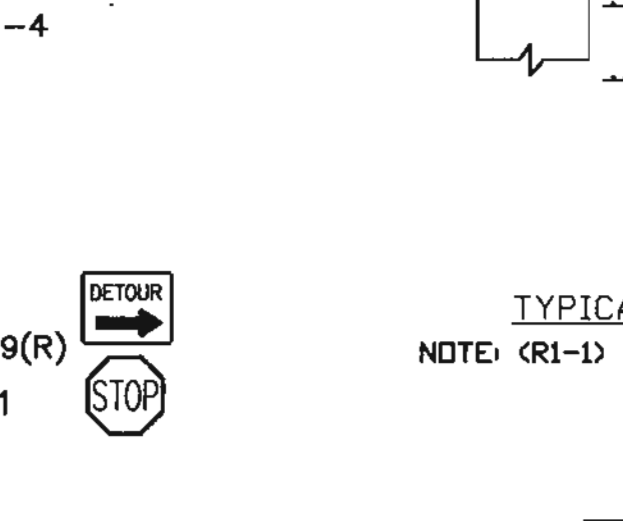
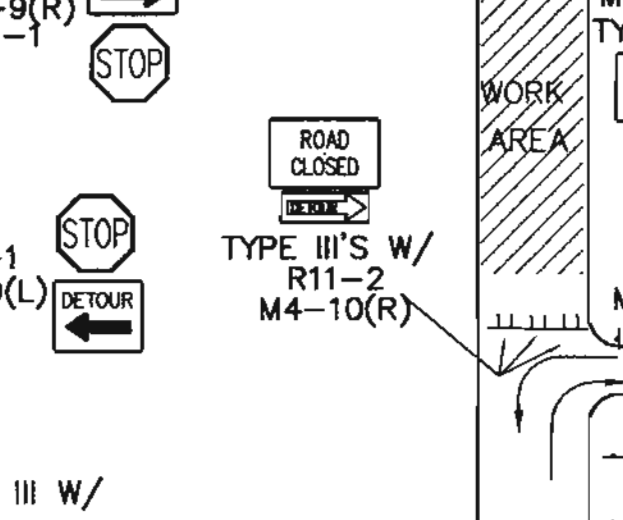
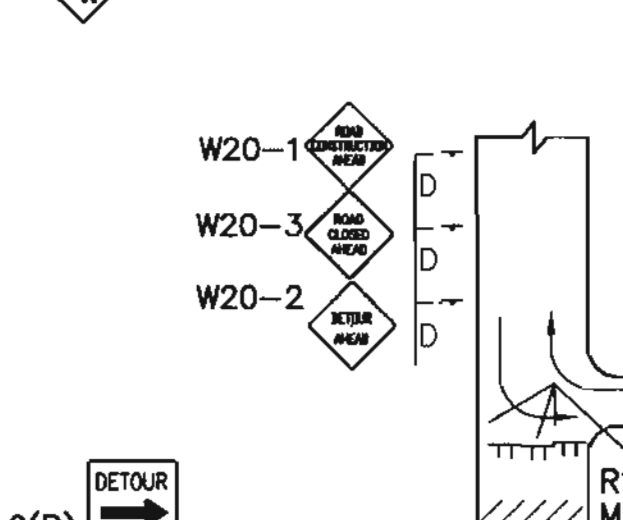
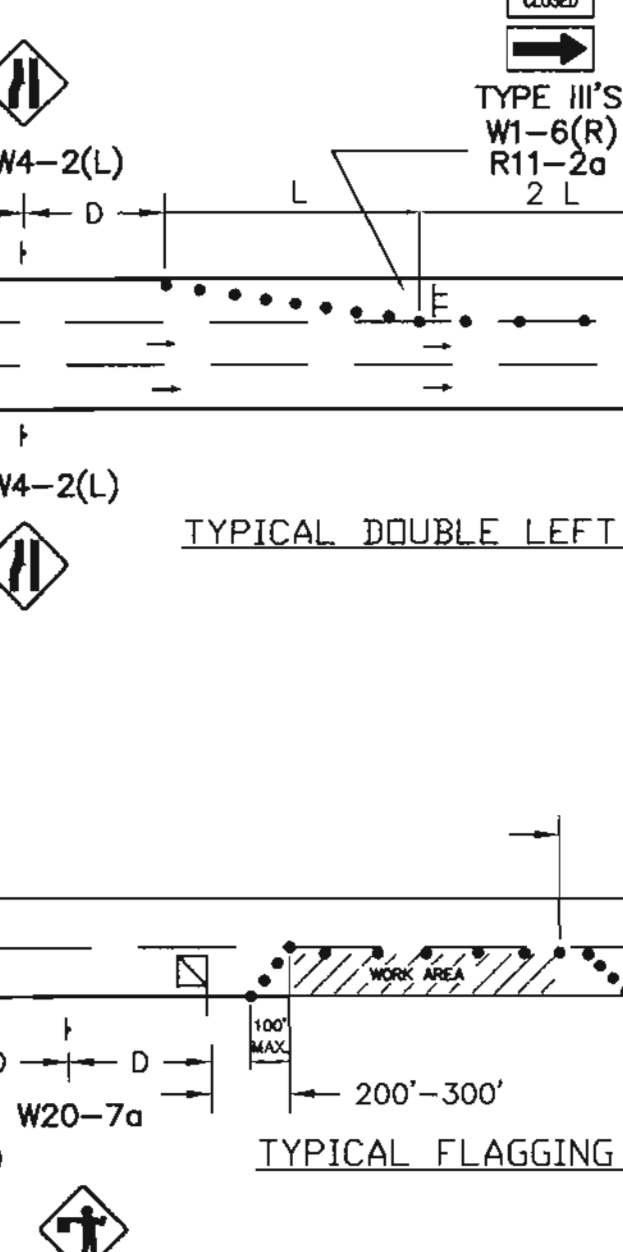
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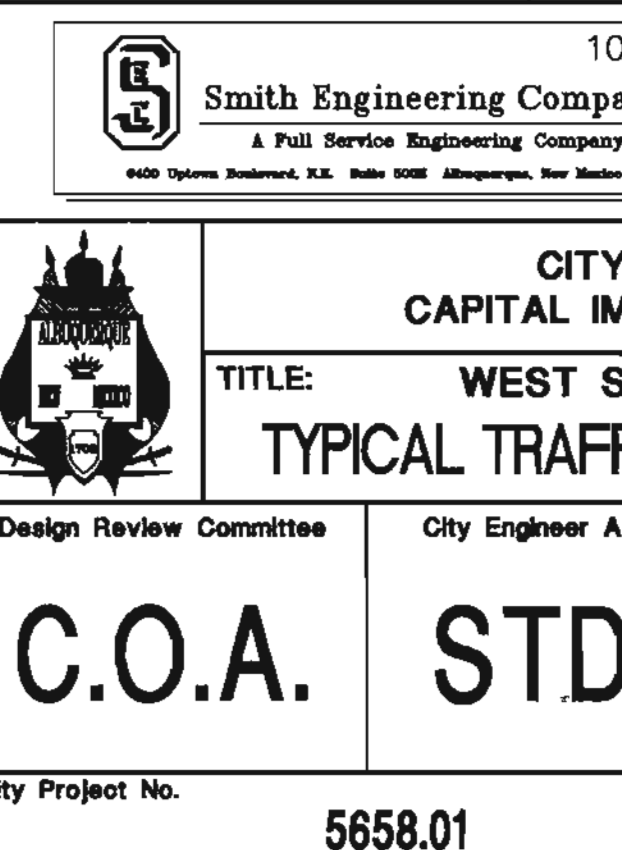
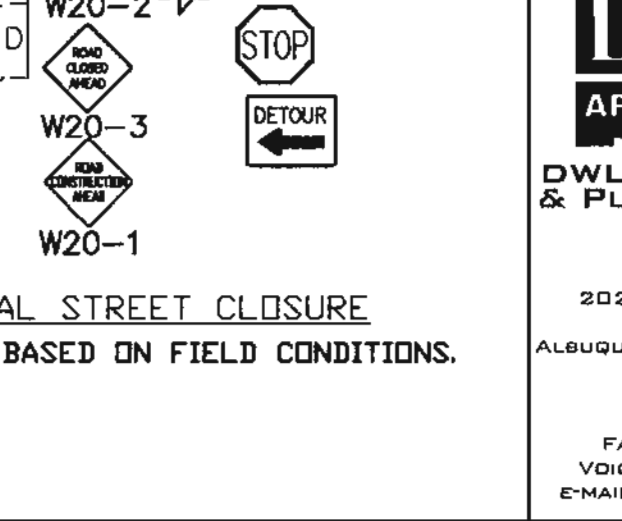
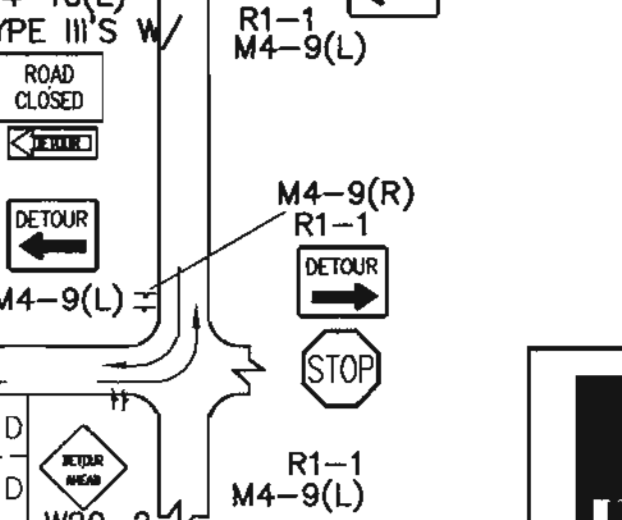
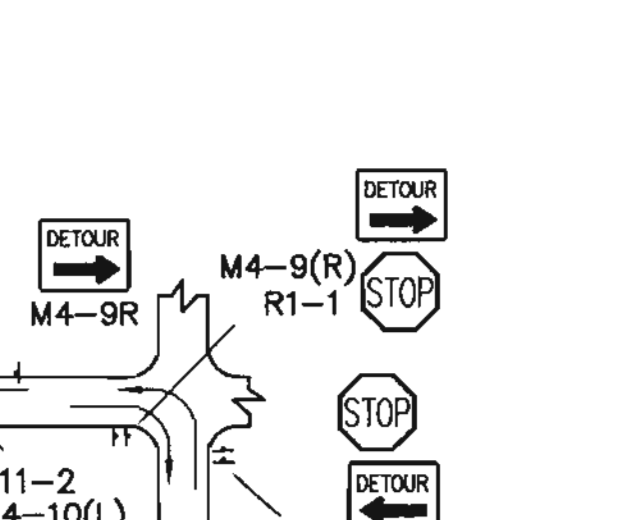
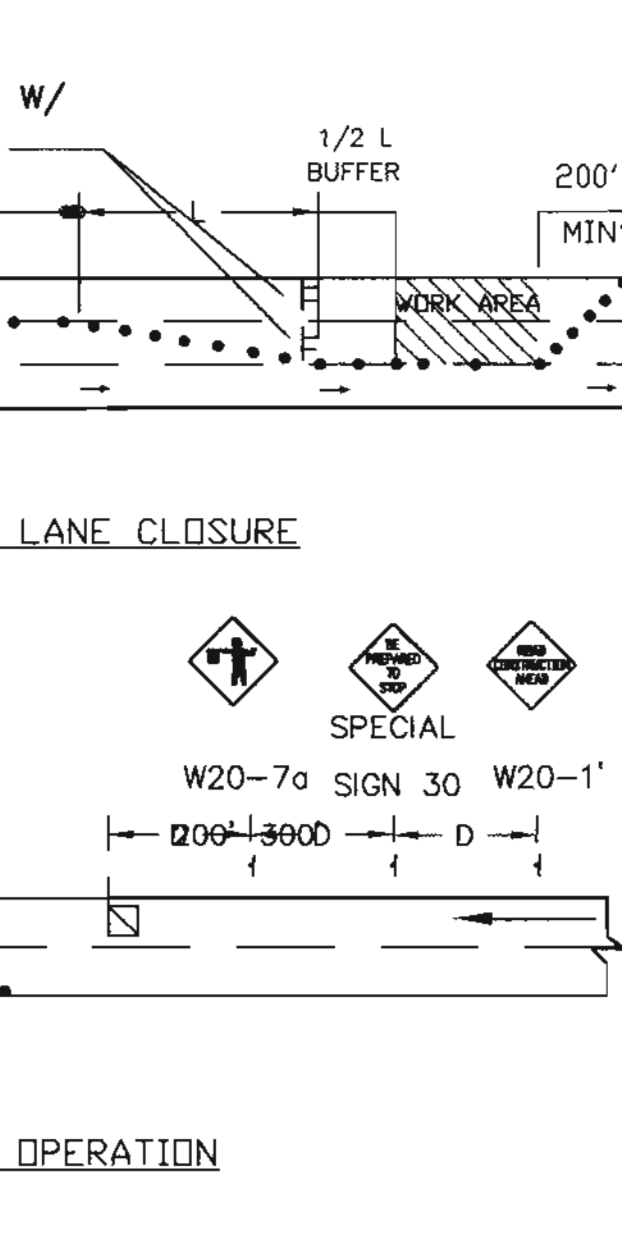
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



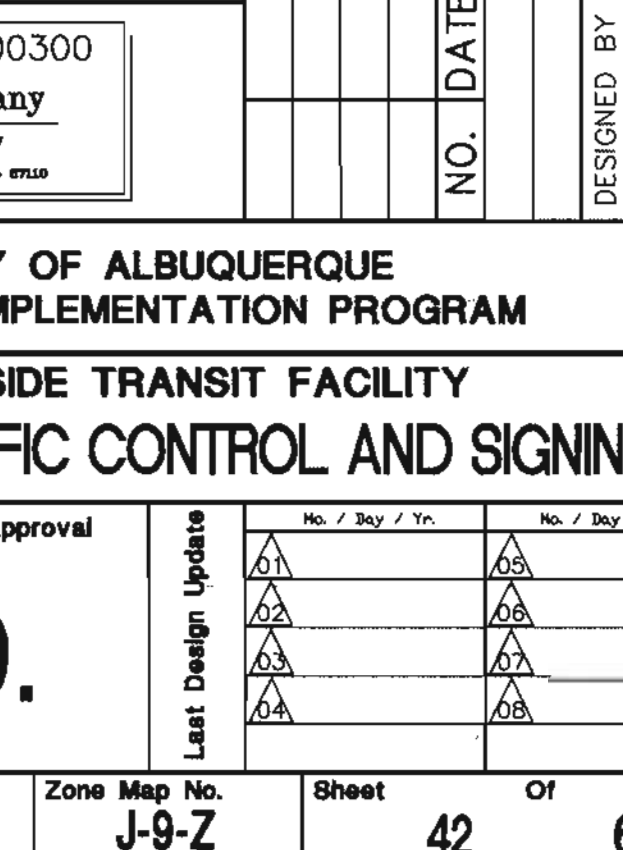
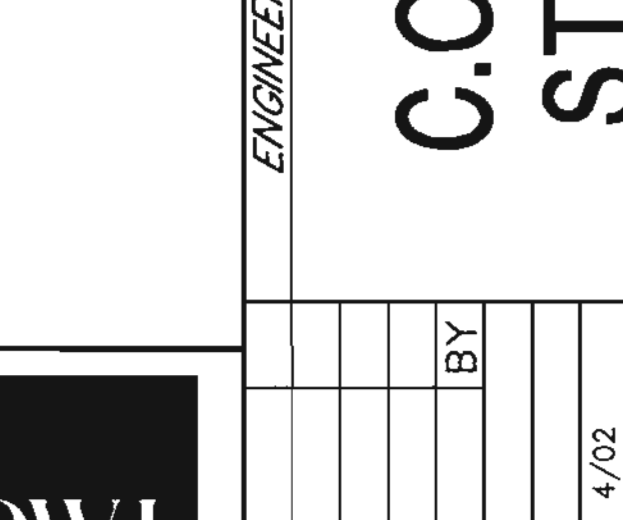
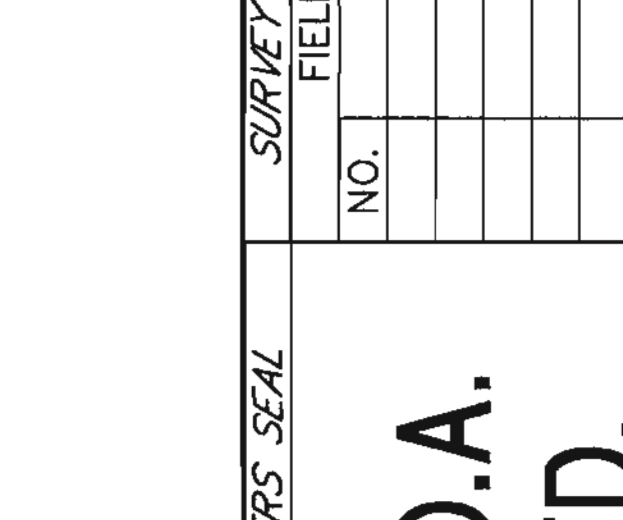
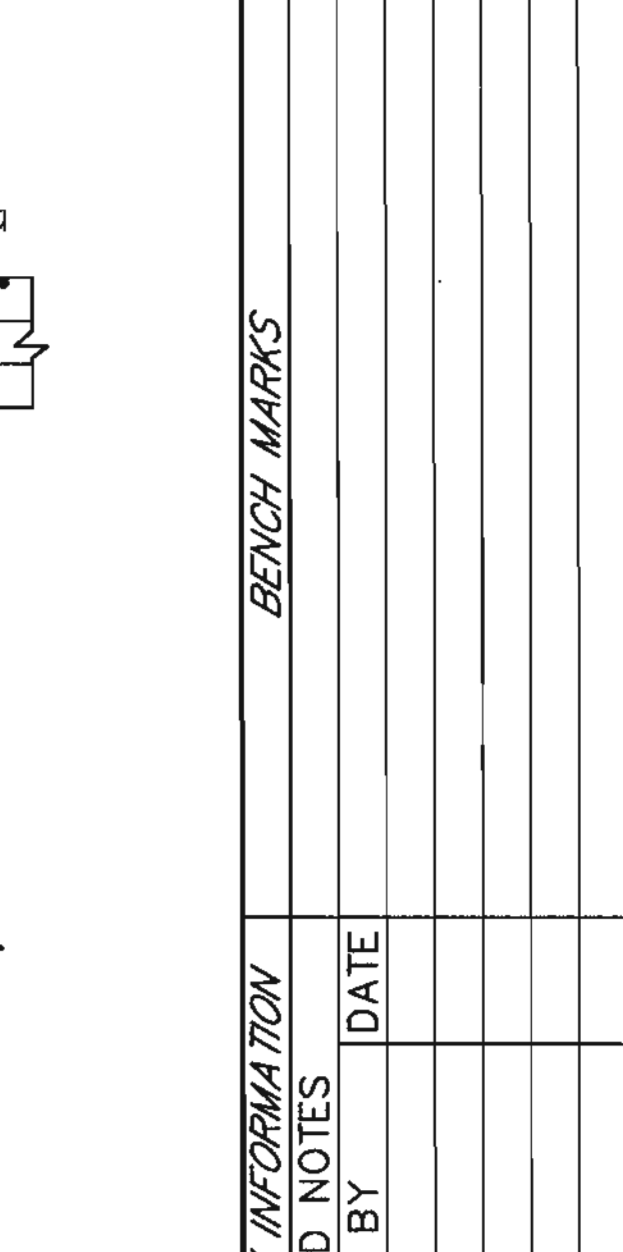
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



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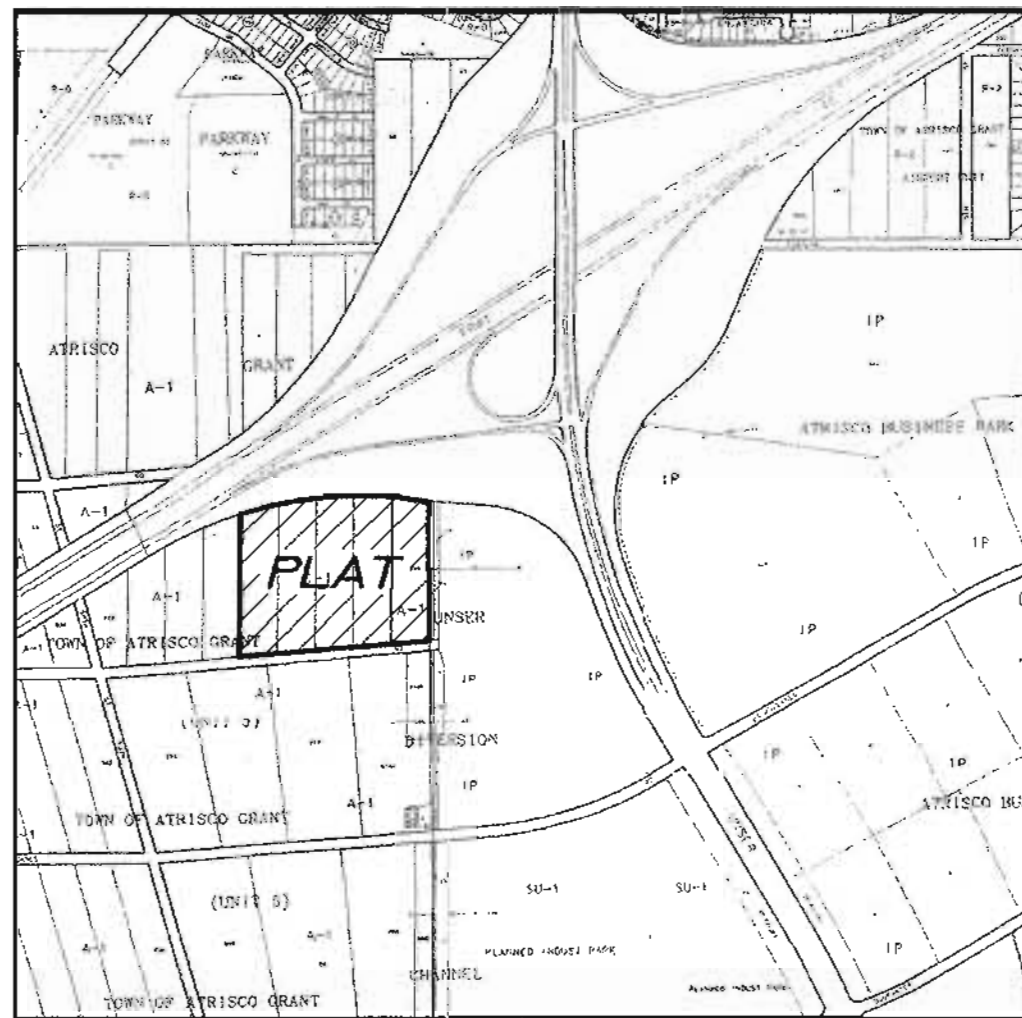


GENERAL NOTE:
ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.
ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF FORTY EIGHT (48) INCHES BY FORTY EIGHT (48) INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.

DWL
ARCHITECTS
DWL ARCHITECTS & PLANNERS, INC.
OF NEW MEXICO
202 CENTRAL AVE. S.E.
WEST COURTYARD
ALBUQUERQUE, NEW MEXICO 87102
FAX (505) 242-4159
VOICE (505) 242-6202
E-MAIL DWL@RT66.COM

100300
Smith Engineering Company
A Full Service Engineering Company
6000 Optima Southwest, N.E. Suite 1000 Albuquerque, New Mexico 87109

CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM	
TITLE: WEST SIDE TRANSIT FACILITY	
TYPICAL TRAFFIC CONTROL AND SIGNING	
Design Review Committee	City Engineer Approval
C.O.A. STD.	C.O.A. STD.
City Project No. 5658.01	Zone Map No. J-9-Z
Sheet 42	Of 61



VICINITY MAP
ALBUQUERQUE ZONE ATLAS J-9, J-10, K-9 & K-10

LEGAL DESCRIPTION

A certain tract of land lying within projected Section 16, Township 10 North, Range 2 East, New Mexico Principal Meridian, Town of Atrisco Grant, City of Albuquerque, Bernalillo County, New Mexico and comprising all of Tracts B-15, B-16, B-17, B-18 and B-19, Unit No. 5, Town of Atrisco Grant, as the same are designated and shown on the plat entitled "Plat Showing a Portion of Tracts Allotted From Town of Atrisco Grant in School District 28, Bernalillo County, New Mexico" filed in the Office of the County Clerk of Bernalillo County, New Mexico on December 5, 1944 in volume D, folio 117, excepting therefrom those portions of said tracts conveyed to the New Mexico State Highway Commission for Interstate 40 Right of Way by Project No. I-040-3(28)148, said tract being more particularly described by New Mexico State Plane Coordinate System grid bearings (Central Zone, NAD 27) and ground distances as follows:

Beginning at the Northwest corner of the tract herein described, said corner also being the Northeast corner of Tract B-20, Unit No. 5, Town of Atrisco Grant and being a point on the Southerly Right of Way of Interstate 40 (New Mexico State Highway Commission Project No. I-040-3(28)148), said corner being a 5/8" rebar & plastic cap marked "DTMA PELS 1967" found in place, and from which the City of Albuquerque Control Monument "I-40-21A" bears N51°57'04"W a distance of 369.28 feet, said control monument being a 3" standard New Mexico State Highway Commission brass cap in concrete stamped "I-40-21A";

Thence, northeasterly on a curve to the right a distance of 875.73 feet along said Southerly Right of Way of Interstate 40, said curve having a radius of 2291.83 feet, a central angle of 21°53'36", a chord bearing N83°52'30"E a distance of 870.42 feet to a point of curvature, said point of curvature being a 3" standard New Mexico State Highway Commission brass cap in concrete stamped "Sta. 1164+66.56";

Thence, S85°16'20"E a distance of 182.61 feet along said Southerly Right of Way of Interstate 40 to the Northeast corner of the tract herein described, said corner also being the Northwest corner of Tract T-3, Unser Diversion Channel Corridor (filed 2/21/96 in vol. 96C, fol. 77), a 5/8" rebar & plastic cap marked "EH&A 7719" found in place, and from which the Northeast corner of said Tract T-3 bears S85°08'40"E a distance of 27.30', said Northeast corner being a 3" brass cap in concrete stamped "WDIC PROP COR";

Thence, S00°20'18"W a distance of 799.05 feet along the Westerly boundary of said Tract T-3 to the Southeast corner of the tract herein described, said corner being a point on the Northerly Right of Way line of Daytona Road N.W., said corner also being the Southwest corner of said Tract T-3, a 1" iron pipe found in place;

Thence, S85°50'24"W a distance of 1049.70 feet along said Northerly Right of Way of Daytona Road N.W. to the Southwest corner of the tract herein described, said corner also being the Southwest corner of said Tract B-20, a 5/8" rebar & plastic cap marked "DTMA PELS 1967" found in place;

Thence, N00°18'11"E a distance of 797.38 feet along the Easterly boundary of said Tract B-20 to the point and place of beginning, said tract containing 20.0811 acres, more or less.



00050

PURPOSE OF PLAT

To combine Tracts B-15, B-16, B-17, B-18 and B-19, Unit No. 5, Town of Atrisco Grant, into a single parcel designated as Tract A, West Side Transit Facility.

OWNER'S FREE CONSENT AND DEDICATION

The plat shown hereon is with the free consent and in accordance with the desires of the undersigned owner(s) and/or proprietor(s) and said owner(s) and/or proprietor(s) do hereby consent to all the foregoing and do hereby certify that this plat is their free act deed.

Jay Czar
Chief Administration Officer, City of Albuquerque

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) SS

This instrument was acknowledged before me on May 6, 2002.

Notary Public

APPROVED AND ACCEPTED SUBDIVISION CASE NO. 100837

PLAT NUMBER 02DRB-00205

PLANNING DIRECTOR, CITY OF ALBUQUERQUE, N.M. Date 5/29/02

Brad L. Biglan
CITY ENGINEER, CITY OF ALBUQUERQUE, N.M. Date 2-27-02

City Surveyor, City of Albuquerque, N.M. Date 2-22-02

Property Management, City of Albuquerque, N.M. Date 4-30-02

Chairman, Albuquerque/Bernalillo County Development Review Board Date 5/29/02

Albuquerque Metropolitan Arroyo Flood Control Authority Date 2-27-02

Traffic Division, City of Albuquerque, N.M. Date 2-27-02

Utility Development Dept., City of Albuquerque, N.M. Date 2-27-02

Parks and Recreation Dept., City of Albuquerque, N.M. Date 2/27/02

City of Albuquerque, N.M. Date 4/17/02

N.M. Electric and Gas Services Date 4-17-02

Comcast Cable Communications Date 3/6/02

**PLAT OF
TRACT A
WEST SIDE TRANSIT FACILITY**

BEING A REPLAT OF
TRACTS B-15, B-16, B-17, B-18 and B-19
UNIT No. 5, TOWN OF ATRISCO GRANT
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
FEBRUARY, 2002

SUBDIVISION DATA

- DRB Case No. 1000937
- Zone Atlas No. : J-9-Z
- Number of Tracts Created : 1
- Gross Acreage : 20.0811 Ac.
- Date of Survey : July-August, 2000
- Zoned SU-1 for Transit Facility and Day Care

GENERAL NOTES

- Bearings are referred to Grid North, New Mexico Coordinate System - Central Zone, NAD 27, and were derived using GPS relative positioning techniques.
- All distances shown are horizontal ground distances.

- Bearings and distances shown are as measured in the field. Record data shown in parenthesis and brackets was taken from the following plats and documents:

() - Plat of "Unser Diversion Channel Corridor" filed in the Bernalillo County Clerk's Office February 21, 1996, Volume 96C, Folio 77.

[(a)] - "Corrected Certificate of Survey of Blocks 16, 17, 18 and 19 of Unit 5, Town of Atrisco Grant" by Fred Denney, New Mexico P.E./L.S. #1967, Fred Denney & Associates, dated March 8, 1988. (Not filed)

[(b)] - Deed for Tract C-1-16, Document #67321 filed in the Bernalillo County Clerk's Office February 26, 1970, Book Misc. Volume 165, Folio 804-806 per "New Mexico State Highway Commission Right of Way Map Project No. I-040-3(28)148".

[(c)] - "Plat Showing a Portion of Tracts Allotted from Town of Atrisco Grant in School District 28, Bernalillo County, New Mexico" filed in the Bernalillo County Clerk's Office December 5, 1944, Volume D, Folio 117.

- Field work performed in July and August, 2000.

- This plat shows all easements both apparent and of record as provided in Rio Grande Title Company commitments #02000230 and #02000676, dated January 11, 2000.

SURVEYOR'S CERTIFICATION

I, Randolph C. Hewitt, New Mexico Professional Surveyor No. 14730, hereby certify that this Plat was prepared from an actual ground survey performed by me and/or under my direct supervision, that I am responsible for this survey, that this survey is true and correct to the best of my knowledge and belief, and that this Plat and the field survey upon which it is based meet the minimum requirements for monumentation and surveys of the Albuquerque Subdivision Ordinance, and further meet the Minimum Standards for Surveying in New Mexico as adopted by the State Board of Registration for Professional Engineers and Surveyors effective October 1, 2000.

RC Hewitt
Randolph C. Hewitt
N.M.P.S. No. 14730
Date 02-22-02

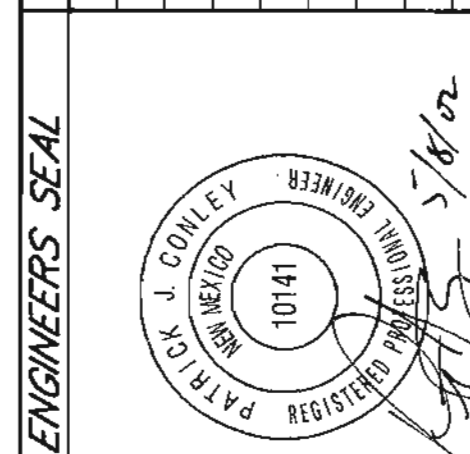


SHEET 1 OF 2

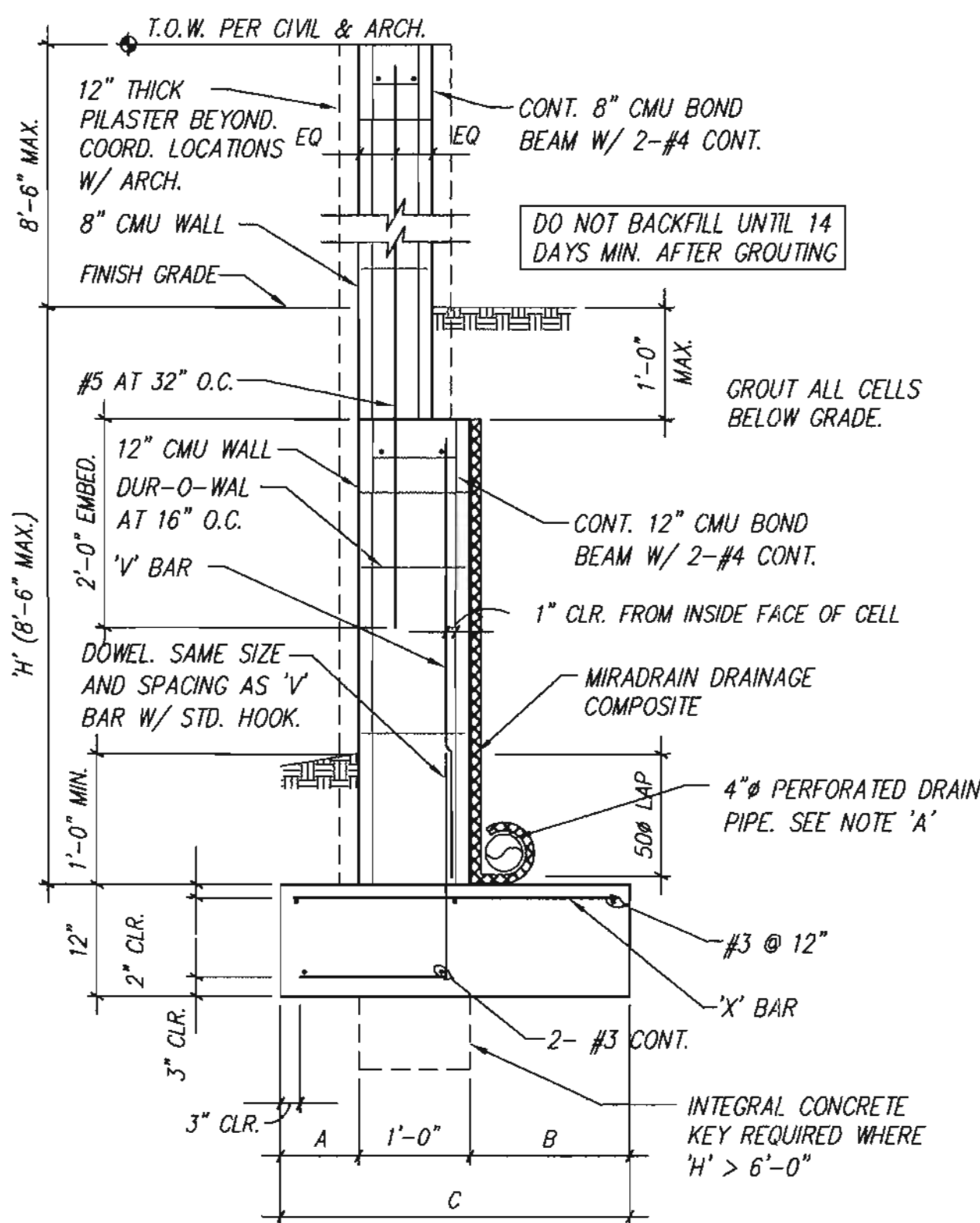
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STANDARD	DATE	STANDARD	DATE
INSPECTOR'S	DATE	INSPECTOR'S	DATE
FIELD	DATE	FIELD	DATE
VERIFICATION	DATE	VERIFICATION	DATE
CORRECTED	DATE	CORRECTED	DATE
MICRO-FILM INFORMATION			
RECORDED BY	DATE	RECORDED BY	DATE
NO.		NO.	

BENCH MARKS			
A.C.S. CONTROL MONUMENT "10-K10"	ELEV. (NGVD 29) = 5142.79	DATE	
3-1/4" AL. CAP IN CONC. CURB	S.W. COR. UNSER & LOS VOLCANES	DATE	
N 1.487.056.22 : E 357.375.04	DELTA ALPHA = -0°16'27"	DATE	
COMBINED FACTOR=0.999675701 (PROJECT)		DATE	

SURVEY INFORMATION			
FIELD NOTES	DATE	BY	
NO.	DATE	BY	
11599	2000	STEVE TOLER	



100300 Smith Engineering Company A Full Service Engineering Company 6400 Tipler Boulevard, N.E. Suite 1008 Albuquerque, New Mexico 87110	
CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM	
TITLE: WEST SIDE TRANSIT FACILITY PLAT	
Design Review Committee	City Engineer Approval
For Information Only	
City Project No. 5658.01	Zone Map No. J-9-Z
Sheet 43	Of 61

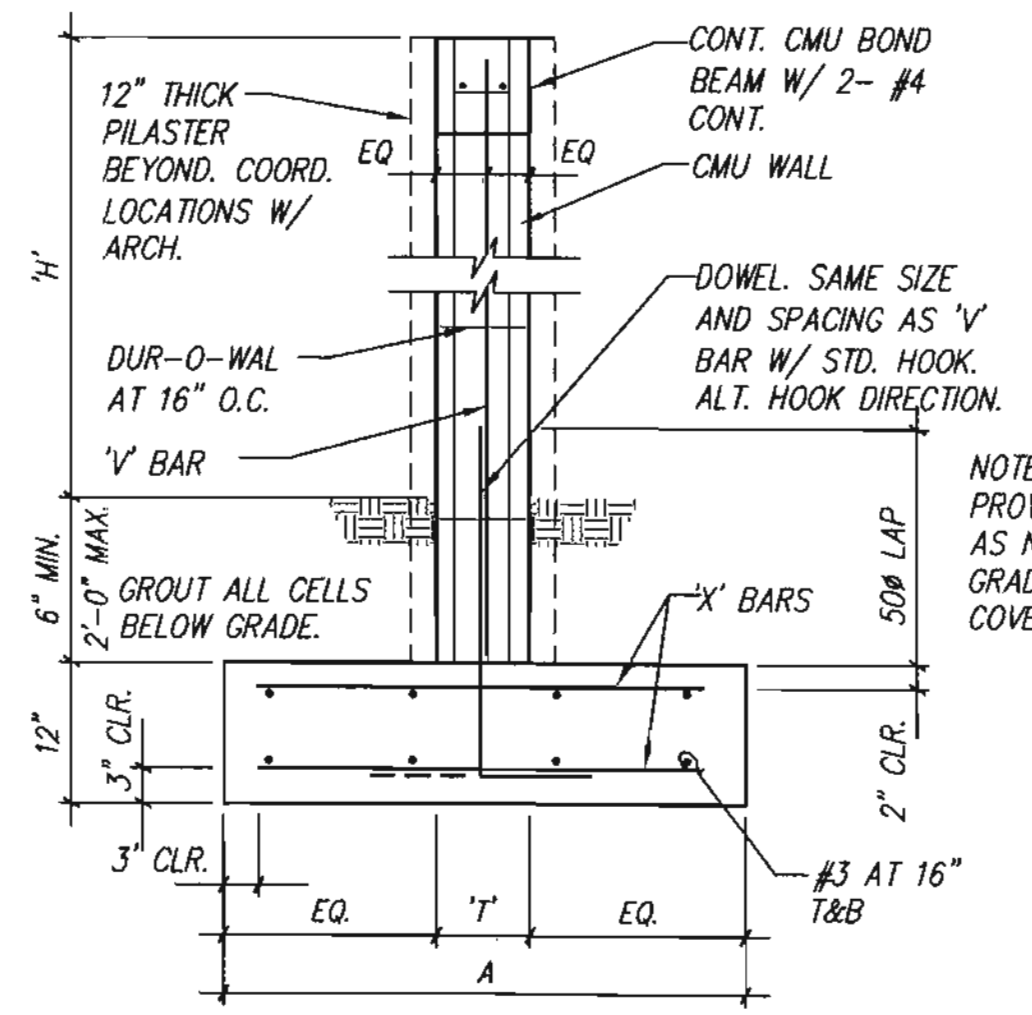


CMU RETAINING WALL
SCALE: 3/4" = 1'-0"
SIT-S-102

HEIGHT 'H'	A	B	C	'V' BARS	'X' BARS
< 4'-0"	10"	1'-2"	3'-0"	#5 AT 32"	#3 AT 32"
4'-0" TO 6'-0"	1'-4"	1'-8"	4'-0"	#5 AT 24"	#3 AT 24"
6'-0" TO 8'-0"	1'-6"	2'-8"	5'-2"	#7 AT 16"	#4 AT 16"

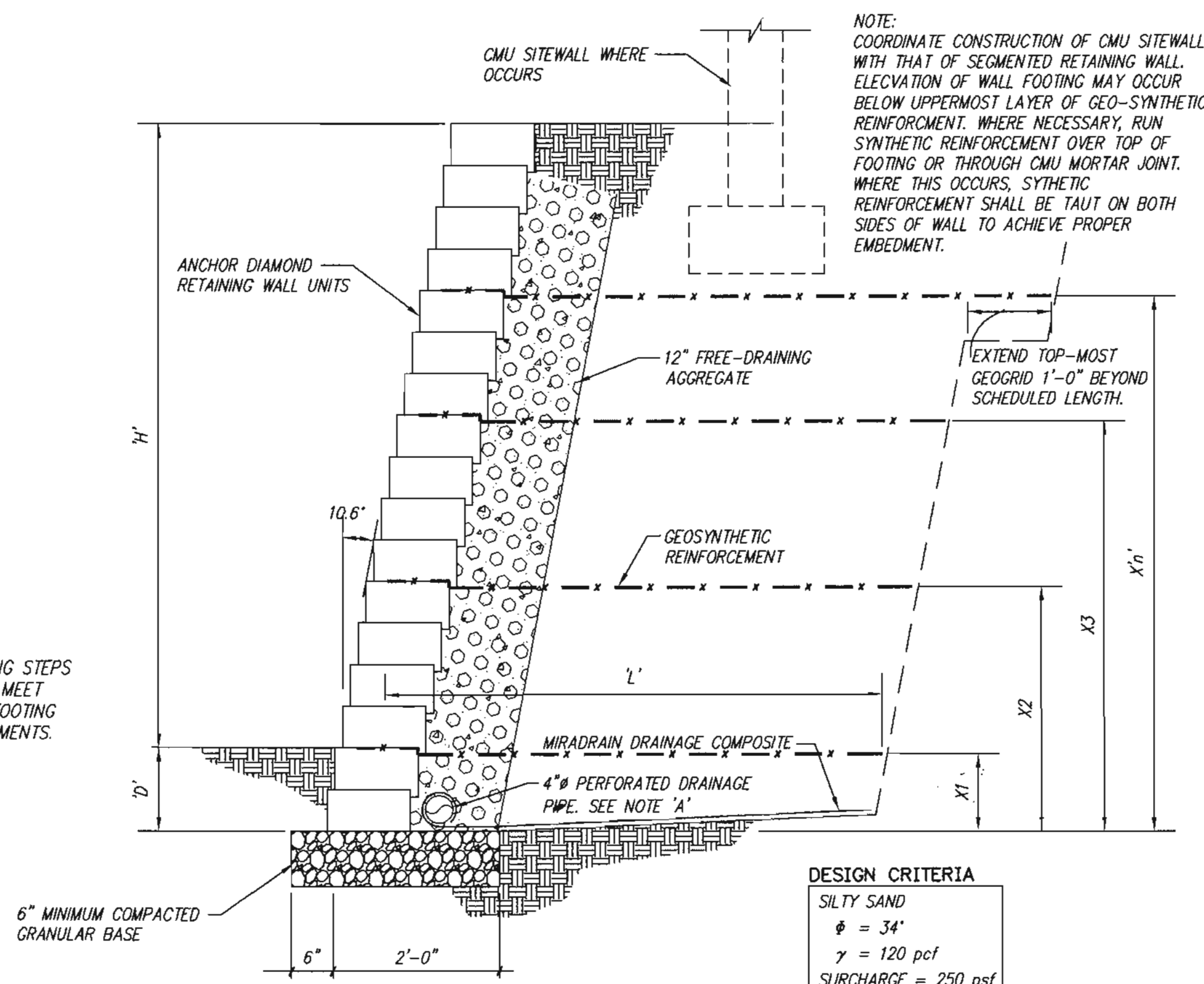
NOTE 'A' DRAIN SYSTEM SHALL BE INSTALLED AT THE LOWEST ELEVATION POSSIBLE TO MAINTAIN GRAVITY FLOW OF WATER TO OUTSIDE OF THE BACKFILL ZONE. THE DRAINAGE COLLECTION PIPE SHALL BE DAY-LIGHTED TO AN APPROPRIATE LOCATION AWAY FROM THE WALL SYSTEM AT EACH LOW POINT OR AT 50 FOOT INTERVALS ALONG THE WALL.

NOTE 'B' PROVIDE MASONRY CONTROL JOINT PER DETAILS THIS SHEET AT 32'-0" MAX. IN STRAIGHT RUN WALLS AND 16'-0" MAX. FROM WALL CORNERS AT ALL MORTAR JOINTED WALLS. COORDINATE MCJ LOCATIONS W/ ARCH.



CMU SITE WALL
SCALE: 3/4" = 1'-0"
SIT-S-102

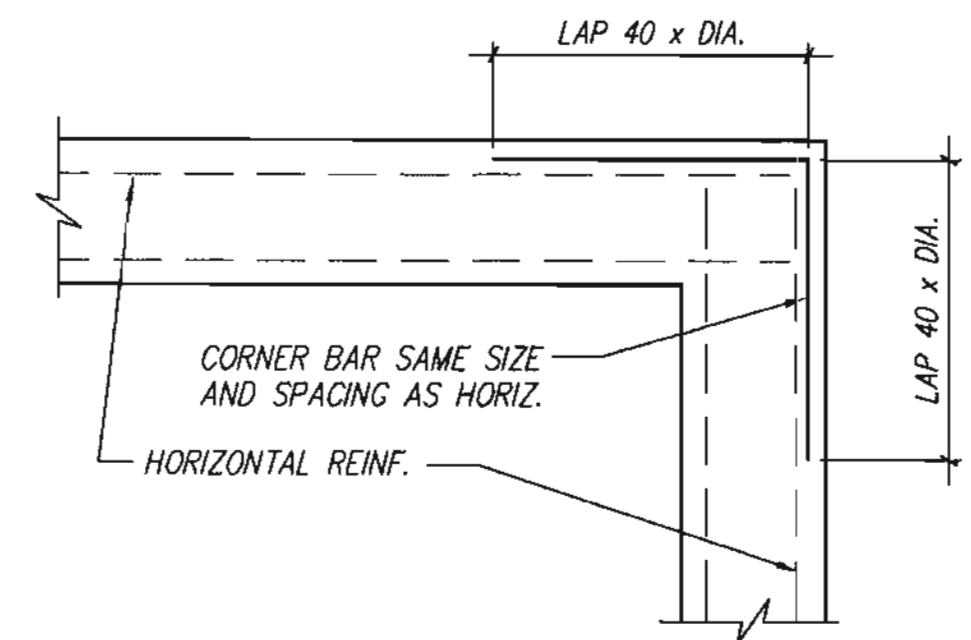
HEIGHT 'H'	THICKNESS 'T'	A	'V' BARS	'X' BARS
< 4'-0"	8"	1'-8"	#4 AT 48"	NOT REQUIRED
4'-0" TO 6'-0"	8"	2'-0"	#4 AT 48"	#3 AT 48"
6'-0" TO 8'-0"	8"	2'-6"	#5 AT 32"	#3 AT 32"
8'-0" TO 10'-0"	8"	3'-0"	#5 AT 16"	#3 AT 16"
10'-0" TO 13'-0"	12"	3'-8"	#6 AT 16"	#3 AT 16"



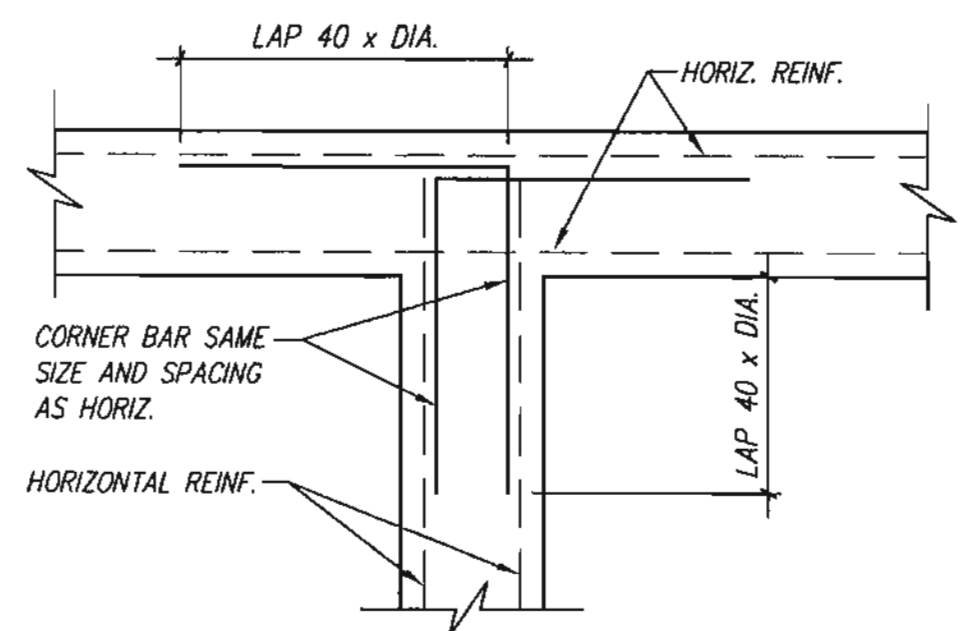
SEGMENTAL RETAINING WALL
SCALE: 3/4" = 1'-0"
SIT-S-102

SEGMENTAL RETAINING WALL SCHEDULE											
MAX. EXPOSED WALL HEIGHT	MIN. DEPTH BELOW GRADE	LENGTH	GEOSYNTHETIC REINFORCEMENT TYPE AND DISTANCE UP FROM WALL BASE								
			X1	X2	X3	X4	X5	X6	X7	X8	
'H'	'D'	'L'									
3'-0"	1'-0"	2'-9"	3XT 1'-0"	3XT 2'-6"							
5'-0"	1'-0"	3'-9"	3XT 1'-0"	3XT 3'-0"	3XT 4'-6"						
7'-0"	1'-0"	5'-0"	3XT 1'-0"	3XT 3'-0"	3XT 5'-0"	3XT 6'-6"					
9'-0"	1'-0"	6'-3"	8XT 1'-0"	3XT 3'-0"	3XT 5'-0"	3XT 7'-0"	3XT 8'-6"				
11'-0"	1'-0"	7'-3"	8XT 1'-0"	8XT 3'-0"	3XT 5'-0"	3XT 7'-0"	3XT 9'-0"	3XT 10'-6"			
13'-0"	1'-0"	8'-6"	8XT 1'-0"	8XT 3'-0"	3XT 5'-0"	3XT 7'-0"	3XT 9'-0"	3XT 11'-0"	3XT 12'-6"		
15'-0"	1'-0"	9'-9"	8XT 1'-0"	8XT 3'-0"	8XT 5'-0"	3XT 7'-0"	3XT 9'-0"	3XT 11'-0"	3XT 13'-0"	3XT 14'-6"	

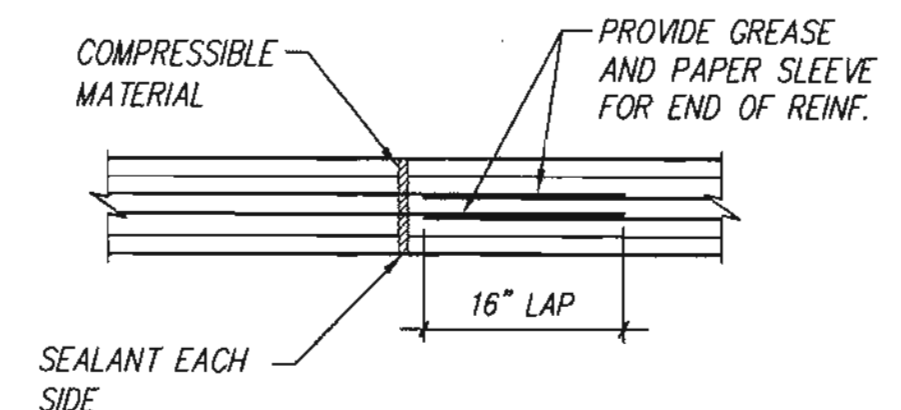
DESIGN PARAMETERS:
METHODOLOGY - NCMA SRW DESIGN MANUAL
GEOSYNTHETIC REINFORCEMENT - MIRAGRID 3XT AND 8XT AS NOTED



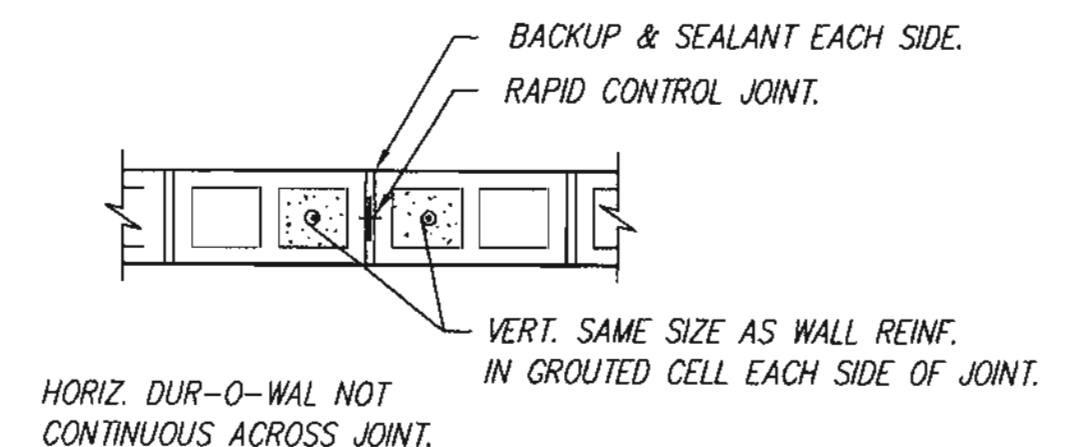
TYPICAL CORNER AT C.I.P. CONC. FOOTINGS AND WALLS



TYPICAL INTERSECTION AT C.I.P. CONCRETE FOOTINGS AND WALLS

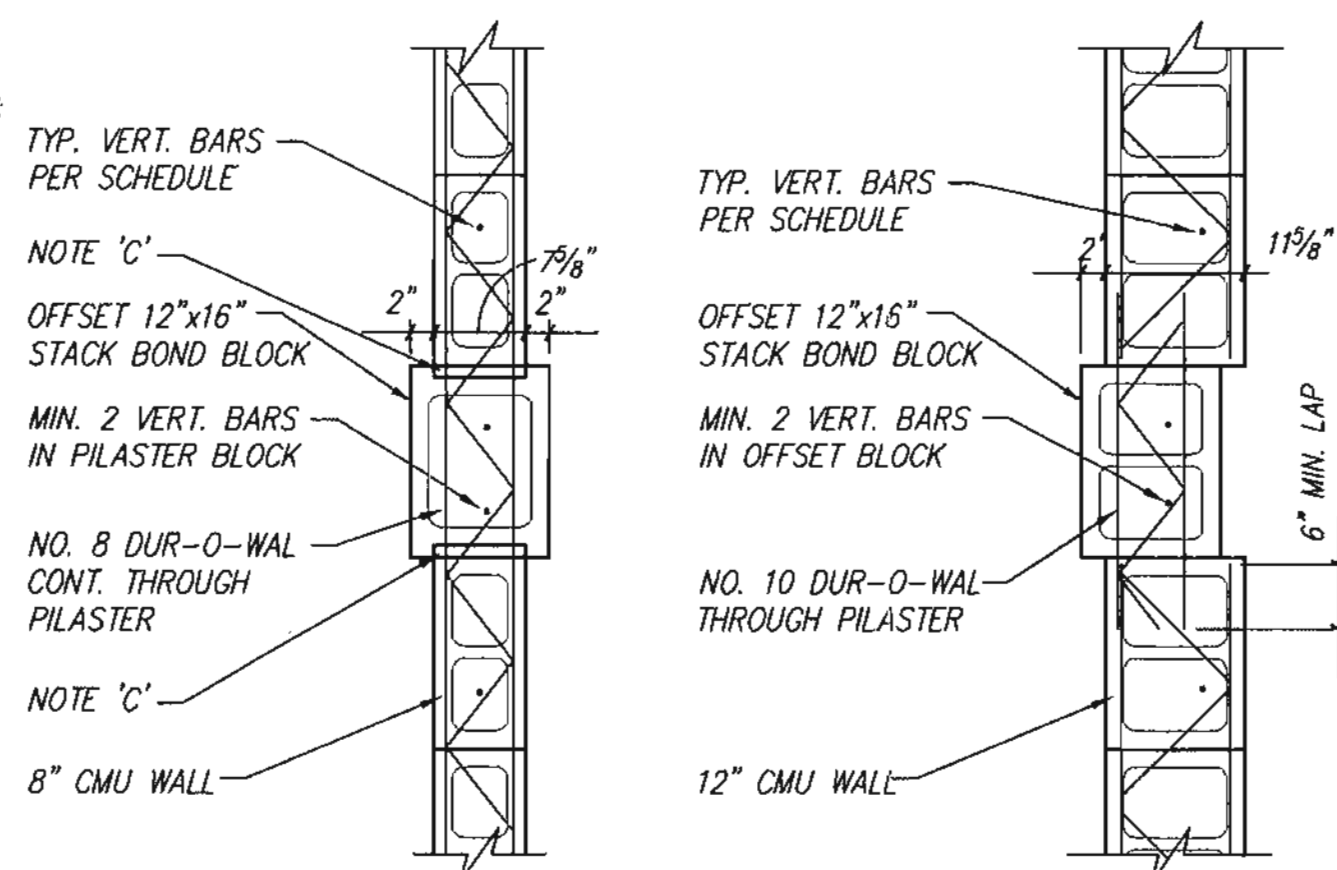


TYPICAL CONTROL JOINT AT BOND BEAM

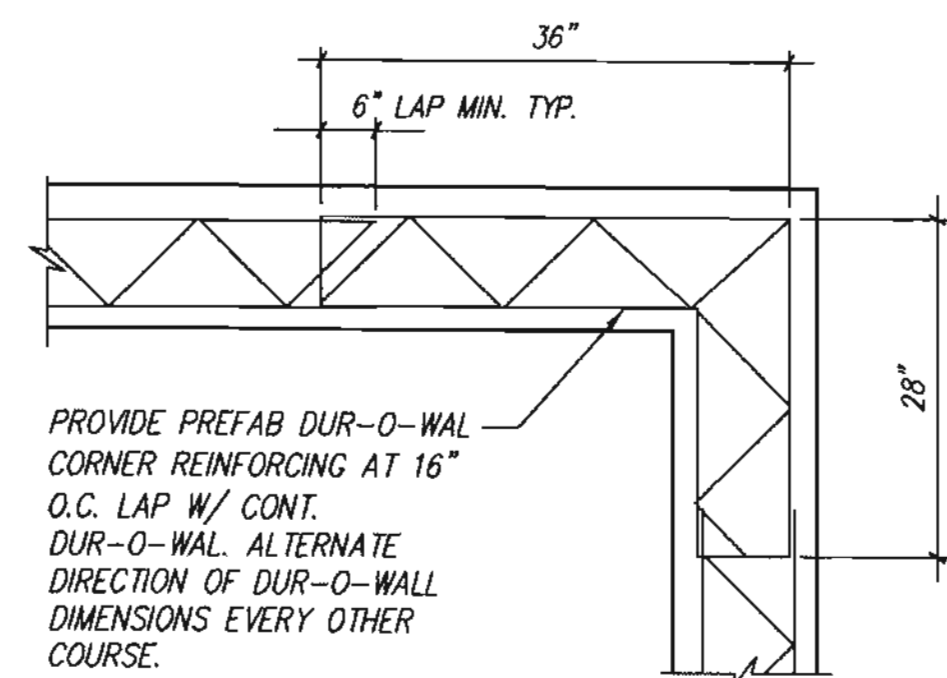


TYPICAL MASONRY WALL CONTROL JOINT (M.C.J.)

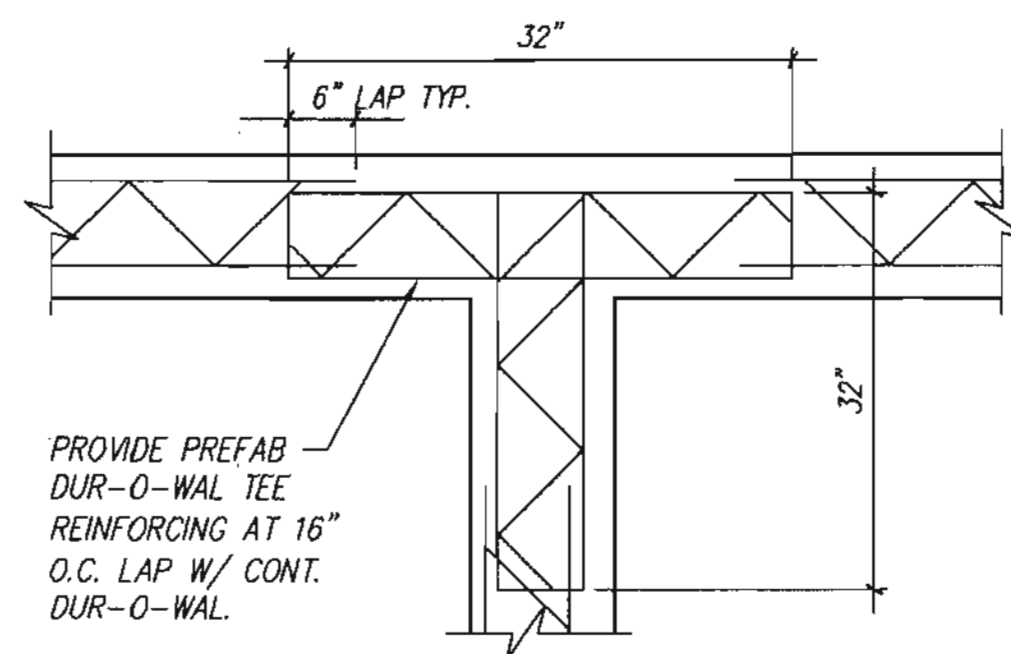
SCANNED BY MESA REPRO



CMU PILASTER DETAILS



TYPICAL DUR-O-WAL AT CORNER



TYP. INTERSECTION AT DUR-O-WAL

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ARCHITECT/ENGINEER SEAL		REMARKS	
CONTRACTOR: DWL ARCHITECTS & PLANNERS, INC.	DATE: 4/17/02			FIELD NOTES		NO. BY DATE		BY	
DESIGNED BY: J. KREIS	DATE: 4/17/02							REVISIONS	
CHECKED BY: J. KREIS	DATE: 4/17/02							DESIGN	
MICRO-FILM INFORMATION								DATE: 4/17/02	
RECORDED BY: J. KREIS								DATE: 4/17/02	
NO.								DATE: 4/17/02	

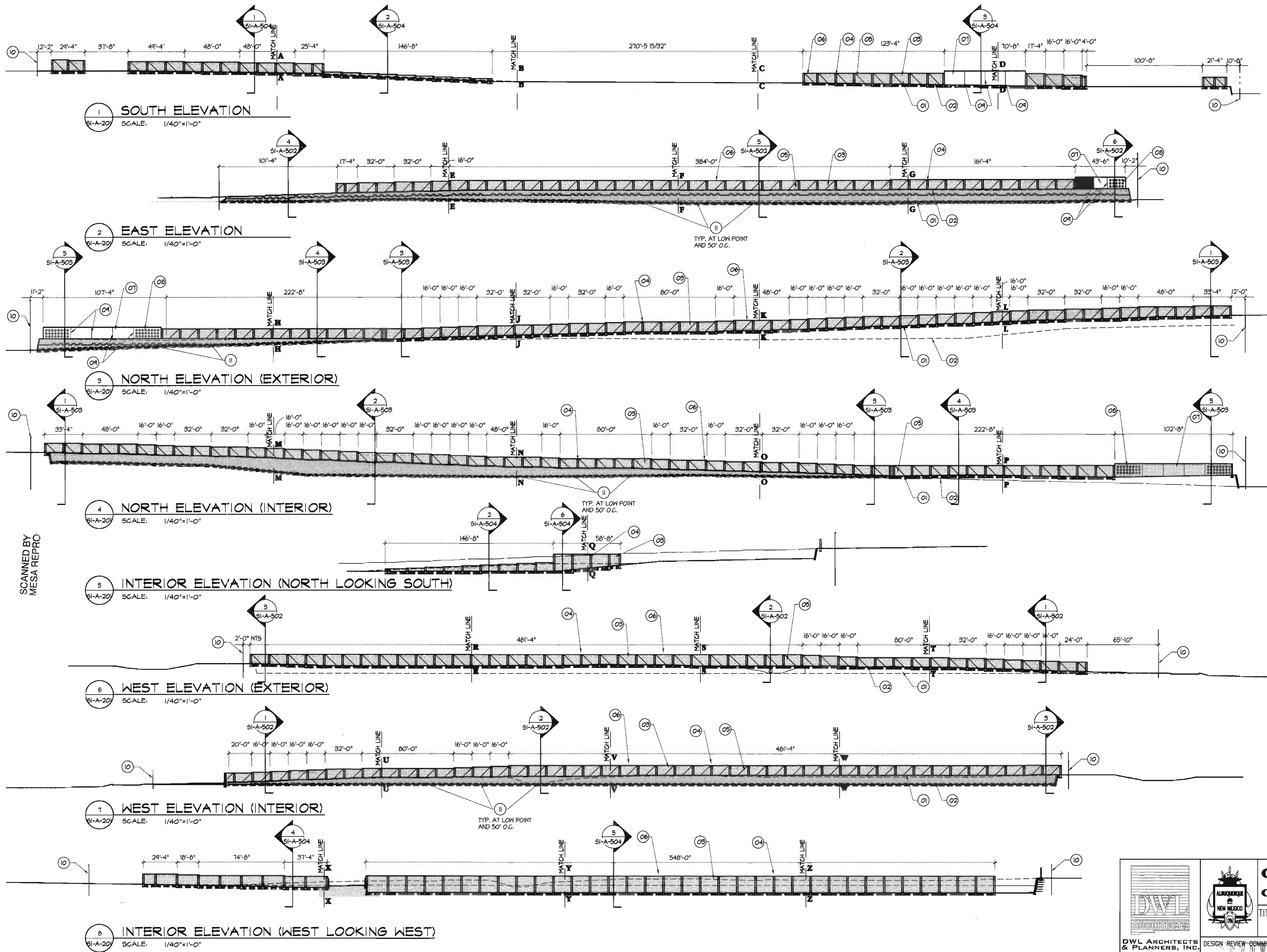
DWL ARCHITECTS & PLANNERS, INC.
302 CENTRAL AVE. S.E.
WEST COURTYARD
ALBUQUERQUE, NEW MEXICO 87102
FAX (505) 242-4159
VOICE (505) 242-6502
E-MAIL DWL@DWL.COM

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
TITLE: W.S.T.F. PHASE 1
RETAINING WALLS & SCHEDULES

DESIGN REVIEW COMMITTEE
CITY ENGINEER
CITY PROJECT NO. 5658.01
ZONE MAP NO. J-9-Z

NO. DATE
1 4/17/02
2 4/17/02
3 4/17/02
4 4/17/02
5 4/17/02
6 4/17/02
7 4/17/02
8 4/17/02
9 4/17/02
10 4/17/02

SIT-S-102
SHEET 45 OF 61

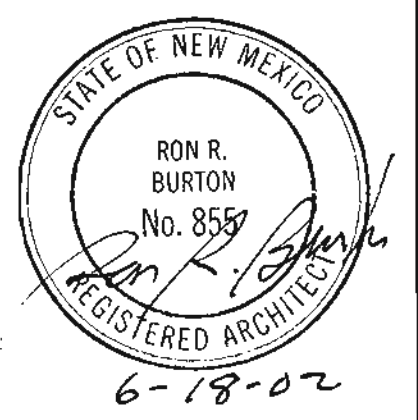


GENERAL NOTES:

- REFER TO STRUCTURAL 2/SIT-5-102 TYPICAL FOR ALL CMU SITE WALLS
- REFER TO STRUCTURAL 3/SIT-5-102 TYPICAL FOR ALL SEGMENTAL RETAINING WALLS
- REFER TO SI-A-201 THRU SI-A-204 FOR ENLARGED ELEVATIONS OF RETAINING WALLS AND CMU WALLS
- REFER TO SHEET SI-A-501 FOR TYPICAL ELEVATION OF SITE WALLS FOR CMU AND RETAINING WALL COLORS, AND BLOCK COURSING PATTERNS.

KEYED NOTES:

- 01 EXISTING EARTH CONTOUR
- 02 MODIFIED EARTH CONTOUR BEYOND PERIMETER WALL
- 03 8" X 8" X 16" SPLIT FACE CMU WALL 8' HIGH TYPICAL
- 04 12" X 8" X 16" SPLIT FACE CMU PILESTER UNITS - 4 #5 VERT. AND CONCRETE FILL TYPICAL
- 05 INDICATES TRIANGULAR SECTION OF ALTERNATING COLOR CMU. SEE TYPICAL ELEVATIONS ON SIT-A-501.
- 06 8" X 8" X 16" TRIANGULAR GAP BLOCK TYPICAL CAP ALL CMU WALLS
- 07 STUCCO ON EXTERIOR FACE OF STANDARD 8" X 8" X 16" CMU
- 08 BACK OF DECORATIVE CERAMIC GLAZED CMU
- 09 MET. STUCCO CONTROL JOINTS
- 10 PROPERTY LINE
- 11 4" DIAMETER PERFORATED DRAIN SYSTEM WITH COLLECTION PIPE THROUGH RETAINING WALL TO DAYLIGHT PER NOTE "A" SHEET SIT-5-102



AS-BUILT INFORMATION	
CONTRACTOR	DATE
DATE	DATE
DATE	DATE
DATE	DATE
DATE	DATE
DATE	DATE
DATE	DATE
DATE	DATE
DATE	DATE
DATE	DATE

BENCH MARKS	
NO.	DATE

SURVEY INFORMATION	
NO.	DATE

ARCHITECT/ENGINEER SEAL	
NO.	DATE

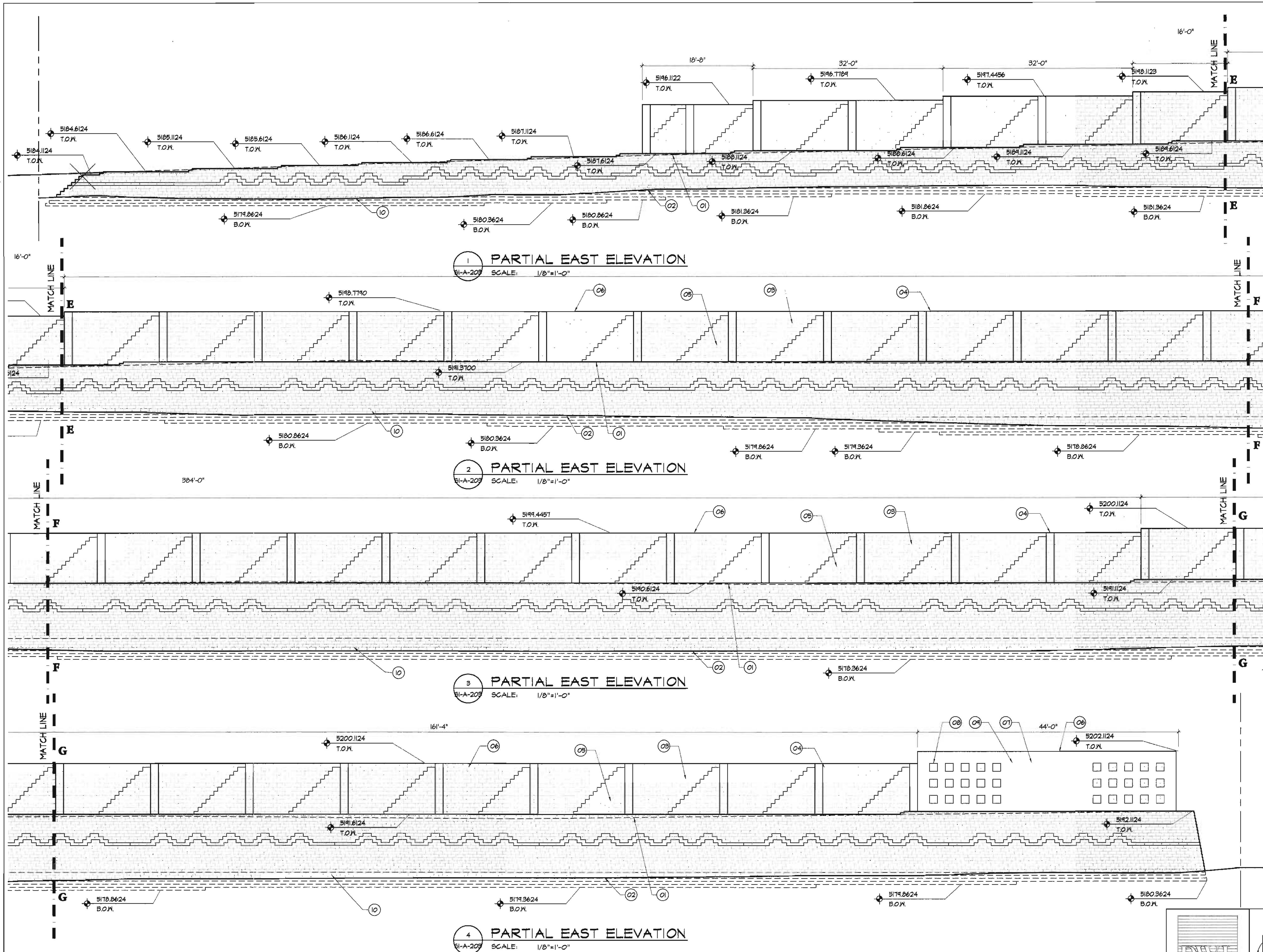
REVISIONS	
NO.	DATE

DESIGN REVISIONS	
NO.	DATE

DWL ARCHITECTS & PLANNERS, INC.
203 CENTRAL AVE. S.E.
WEST COURTYARD
ALBUQUERQUE, NEW MEXICO 87102
FAX (505) 242-4159
VOICE (505) 242-6202
E-MAIL DWL@DWL.COM

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM
TITLE: W.S.T.F. SITE ELEVATION & TYPICAL ELEV. SITE WALL & SIGN
DESIGN REVIEW COMMITTEE
CITY ENGINEER
CITY PROJECT NO. 5658.01
ZONE MAP NO. J-9-Z

APPROVE
JUL - 1 2002
JUL - 1 2002
LAST DESIGN UPDATE
SHEET 47 OF 61
SI-A-201



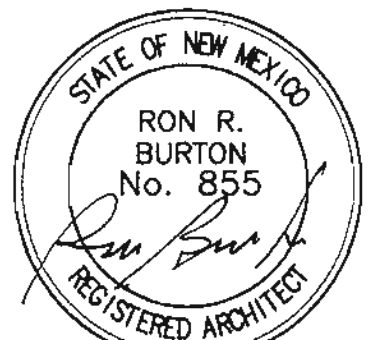
GENERAL NOTES:

-REFER TO STRUCTURAL 2/SIT-5-102 TYPICAL FOR ALL CMU SITE WALLS
 -REFER TO STRUCTURAL 3/SIT-5-102 TYPICAL FOR ALL SEGMENTAL RETAINING WALLS
 -REFER TO SHEET S1-A-501 FOR TYPICAL ALTERNATIVE COLOR PATTERN LAYOUT AT CMU & RETAINING WALL

KEYED NOTES:

- 01 EXISTING EARTH CONTOUR
- 02 MODIFIED EARTH CONTOUR BEYOND PERIMETER WALL
- 03 8" X 8" X 16" SPLIT FACE CMU WALL 8" HIGH TYPICAL
- 04 12" X 8" X 16" SPLIT FACE CMU PILASTER UNITS, 4 #5 VERT. AND CONCRETE FILL TYPICAL
- 05 INDICATES TRIANGULAR SECTION OF ALTERNATING COLOR CMU, SEE TYPICAL ELEVATIONS ON S1T-A-501
- 06 8" X 8" X 16" TRIANGULAR CAP BLOCK TYPICAL CAP ALL CMU WALLS
- 07 STUCCO ON STANDARD 8" X 8" X 16" CMU
- 08 DECORATIVE SCORED CERAMIC 8X8X16 GLAZED CMU
- 09 METAL STUCCO CONTROL JOINTS
- 10 4" PERFORATED PIPE DRAIN SYSTEM WITH COLLECTION PIPE THROUGH RETAINING WALL TO DAYLIGHT PER NOTE "A" SHEET S1T-5-102, TYPICAL

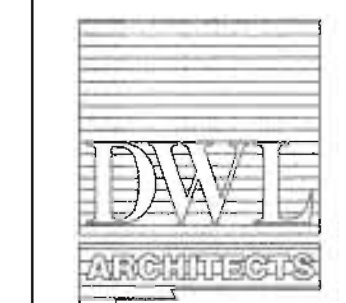
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INSPECTOR	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
ACCEPTANCE BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
VERIFICATION BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
COMMENTS	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
RECORDED BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
FINISHED FLOOR ELEVATION 100'-0" = 0000.00'											



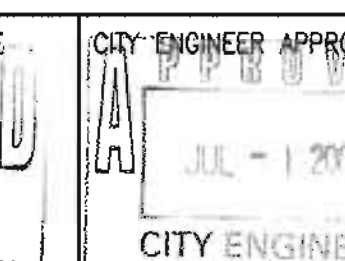
4-8-02

CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM

TITLE: W.S.T.F. SITE ELEVATION
 EAST ELEVATION

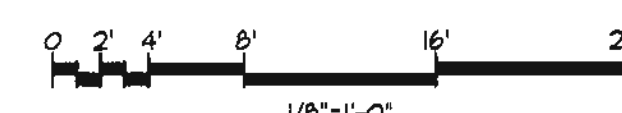


DWL ARCHITECTS & PLANNERS, INC.
 OF NEW MEXICO
 202 CENTRAL AVE. S.E.
 WEST COURTYARD
 ALBUQUERQUE, NEW MEXICO
 87102
 FAX (505) 242-4159
 VOICE (505) 242-6202
 E-MAIL DWLNM@RT66.COM

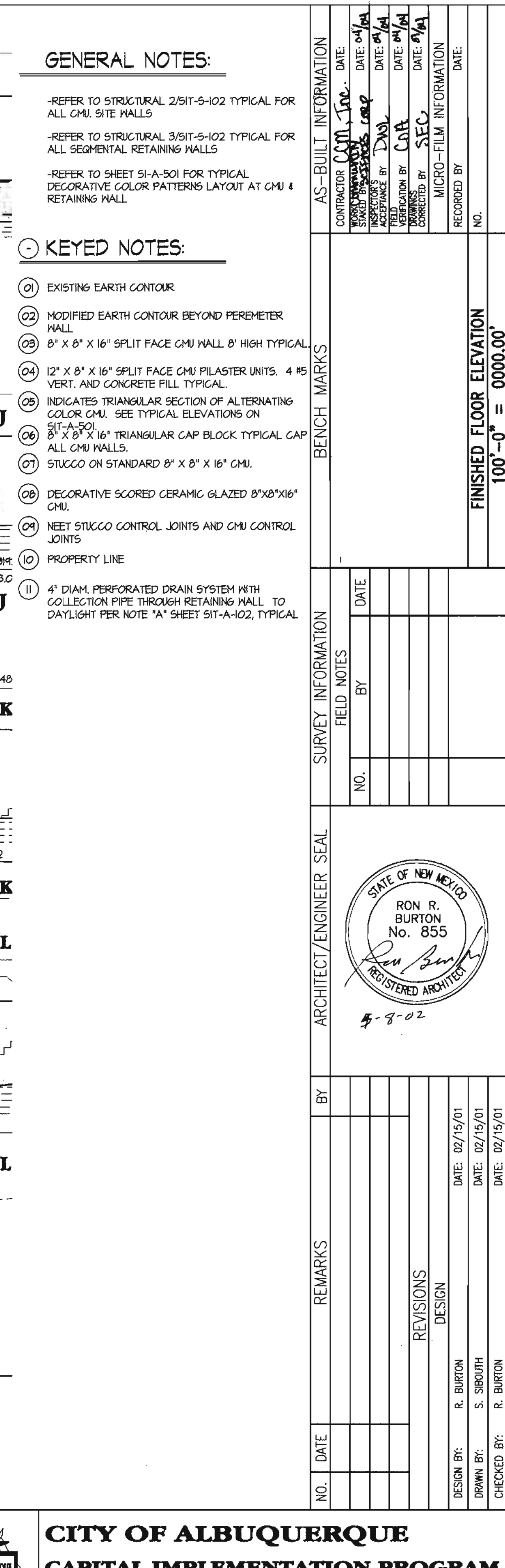


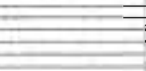
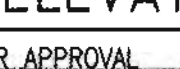
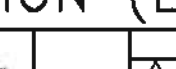
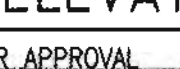
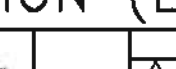
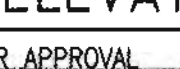
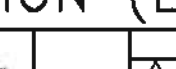
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2	02/15/01	DESIGN
3	02/15/01	DESIGN

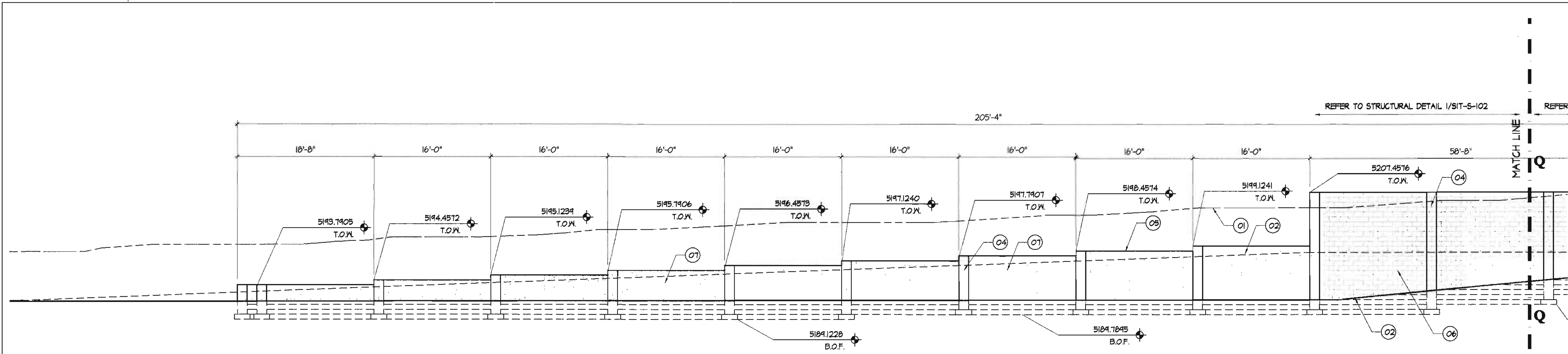
CITY PROJECT NO. 5658.01 ZONE MAP NO. J-9-Z
 SHEET 49 OF 61



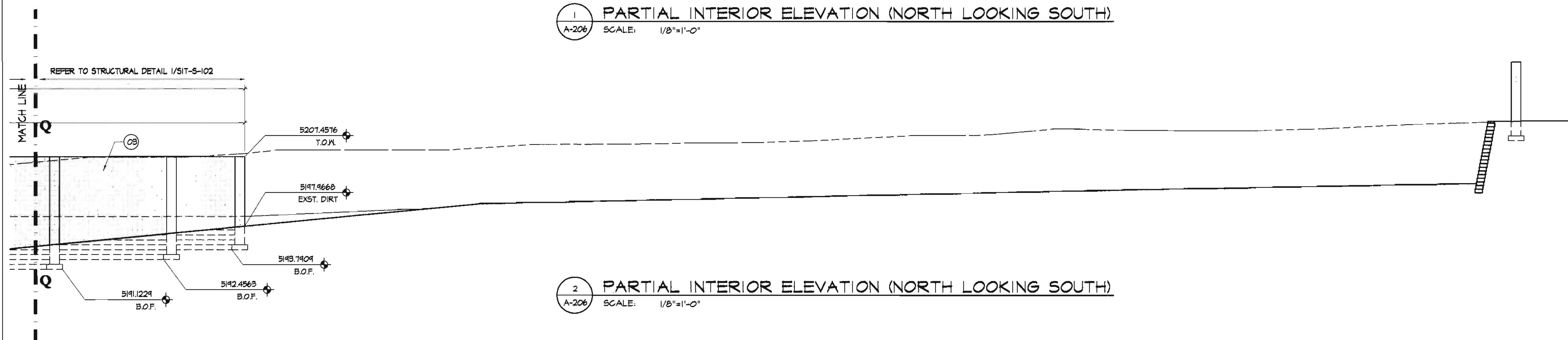
SCANNED BY
 MESA REPRO



		CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM								
TITLE: W.S.T.F. SITE ELEVATION NORTH ELEVATION (EXTERIOR)										
DWL ARCHITECTS & PLANNERS, INC. OF NEW MEXICO 202 CENTRAL AVE. S.E. WEST COURTYARD ALBUQUERQUE, NEW MEXICO 87102 FAX (505) 242-4159 VOICE (505) 242-6202 EMAIL DWL@N@RT66.COM	DESIGN REVIEW COMMITTEE  CITY ENGINEER APPROVAL 	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">MO./DAY/YR.</th> </tr> </thead> <tbody> <tr> <td style="width: 50%; text-align: center;">  </td> <td style="width: 50%; text-align: center;">  </td> </tr> <tr> <td style="text-align: center;">  </td> <td style="text-align: center;">  </td> </tr> <tr> <td style="text-align: center;">  </td> <td style="text-align: center;">  </td> </tr> </tbody> </table> LAST DESIGN UPDATE SIT-A-204 SHEET OF 50 61	MO./DAY/YR.							
MO./DAY/YR.										
										
										
										
CITY PROJECT NO. 5658.01		ZONE MAP NO. J-9-Z								



1 PARTIAL INTERIOR ELEVATION (NORTH LOOKING SOUTH)
A-206 SCALE: 1/8"=1'-0"



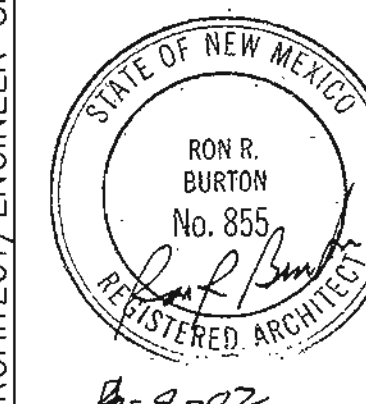
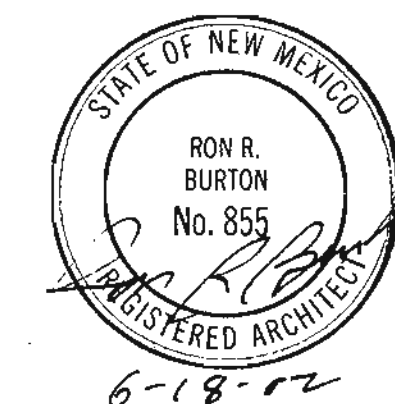
2 PARTIAL INTERIOR ELEVATION (NORTH LOOKING SOUTH)
A-206 SCALE: 1/8"=1'-0"

GENERAL NOTES:

- REFER TO STRUCTURAL 2/SIT-S-102 TYPICAL FOR ALL CMU SITE WALLS
- REFER TO STRUCTURAL 3/SIT-S-102 TYPICAL FOR ALL SEGMENTAL RETAINING WALLS

KEYED NOTES:

- 01 EXISTING EARTH CONTOUR
- 02 MODIFIED EARTH CONTOUR BEYOND PERIMETER WALL
- 03 8" X 8" X 16" SPLIT FACE CMU WALL 8' HIGH TYPICAL.
- 04 12" X 8" X 16" SPLIT FACE CMU PILASTER UNITS. 4 #5 VERT. AND CONCRETE FILL TYPICAL.
- 05 8" X 8" X 16" TRIANGULAR CAP BLOCK TYPICAL CAP ALL CMU WALLS.
- 06 12" X 8" X 16" SPLIT FACE CMU RETAINING WALL
- 07 8" X 8" X 16" SPLIT FACE CMU RETAINING WALL



AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ARCHITECT/ENGINEER SEAL		REVISIONS		DESIGN		CITY ENGINEER APPROVAL		LAST DESIGN UPDATE		SHEET		FINISHED FLOOR ELEVATION	
CONTRACTOR	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
WORK PREPARED BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
DESIGNED BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
CHECKED BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
RECORDED BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
100'-0" = 0000.00'																			

DWL ARCHITECTS & PLANNERS, INC.
OF NEW MEXICO

202 CENTRAL AVE. S.E.
WEST COURTYARD
ALBUQUERQUE, NEW MEXICO
87102

PHONE (505) 242-4159
FAX (505) 242-6202
E-MAIL DWL@ATT66.COM

CITY OF ALBUQUERQUE
CAPITAL IMPLEMENTATION PROGRAM

TITLE: W.S.T.F. SITE ELEVATION
INTERIOR ELEVATION

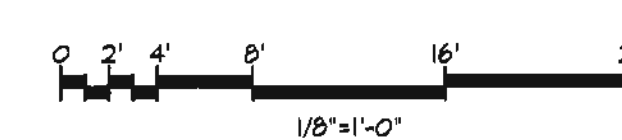
DESIGN REVIEW COMMITTEE
APPROVE
JUL - 1 2002

CITY ENGINEER APPROVAL
APPROVE
JUL - 1 2002

DESIGN REVIEW COMMITTEE
CITY PROJECT NO. 5658.01

ZONE MAP NO. J-9-Z

SHEET 52 OF 61



SCANNED BY
MESA REPRO

-REFER TO STRUCTURAL 2/SIT-5-102 TYPICAL FOR ALL CMU SITE WALLS

-REFER TO SHEET SI-A-501 FOR TYPICAL DECORATIVE COLOR PATTERN LAYOUT AT CMU WALLS AND RETAINING WALLS

① KEYED NOTES:

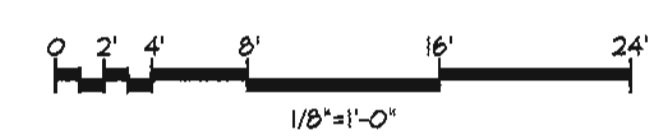
- (01) EXISTING EARTH CONTOUR
- (02) MODIFIED EARTH CONTOUR BEYOND PEREMETER WALL
- (03) 8" X 8" X 16" SPLIT FACE CMU WALL 8' HIGH TYPICAL.
- (04) 12" X 8" X 16" SPLIT FACE CMU PILASTER UNITS, 4 #5 VERT. AND CONCRETE FILL TYPICAL.
- (05) INDICATES TRIANGULAR SECTION OF ALTERNATING COLOR CMU. SEE TYPICAL ELEVATIONS ON SIT-A-501.
- (06) 8" X 8" X 16" TRIANGULAR GAP BLOCK TYPICAL GAP ALL CMU WALLS.
- (07) CONCRETE HEAD WALL, REFER TO CIVIL SIT-5-125
- (08) DRAINAGE SYSTEM

1
A-201 PARTIAL WEST ELEVATION (EXTERIOR)
SCALE: 1/8"=1'-0"

2 PARTIAL WEST ELEVATION (EXTERIOR)
A-207 SCALE: 1/8"=1'-0"

3 PARTIAL WEST ELEVATION (EXTERIOR)
A-207 SCALE: 1/8"=1'-0"

4 PARTIAL WEST ELEVATION (EXTERIOR)
A-207 SCALE: 1/8"=1'-0"



		CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM												
TITLE: W.S.T.F. SITE ELEVATION WEST ELEVATION (EXTERIOR)														
DWL ARCHITECTS & PLANNERS, INC. OF NEW MEXICO 302 CENTRAL AVE. S.E. WEST COURTHOUSE ALBUQUERQUE, NEW MEXICO 87102	DESIGN REVIEW COMMITTEE 	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center; vertical-align: middle;"> CITY ENGINEER APPROVAL  </td> <td style="width: 50%; text-align: center; vertical-align: middle;"> LAST DESIGN UPDATE <table border="1" style="margin-top: 10px;"> <thead> <tr> <th style="width: 50px;">MO./DAY/YR.</th> <th style="width: 50px;">MO./DAY/YR.</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">01</td><td style="text-align: center;">01</td></tr> <tr><td style="text-align: center;">02</td><td style="text-align: center;">02</td></tr> <tr><td style="text-align: center;">03</td><td style="text-align: center;">03</td></tr> <tr><td style="text-align: center;">04</td><td style="text-align: center;">04</td></tr> </tbody> </table> </td> </tr> </table>	CITY ENGINEER APPROVAL 	LAST DESIGN UPDATE <table border="1" style="margin-top: 10px;"> <thead> <tr> <th style="width: 50px;">MO./DAY/YR.</th> <th style="width: 50px;">MO./DAY/YR.</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">01</td><td style="text-align: center;">01</td></tr> <tr><td style="text-align: center;">02</td><td style="text-align: center;">02</td></tr> <tr><td style="text-align: center;">03</td><td style="text-align: center;">03</td></tr> <tr><td style="text-align: center;">04</td><td style="text-align: center;">04</td></tr> </tbody> </table>	MO./DAY/YR.	MO./DAY/YR.	01	01	02	02	03	03	04	04
CITY ENGINEER APPROVAL 	LAST DESIGN UPDATE <table border="1" style="margin-top: 10px;"> <thead> <tr> <th style="width: 50px;">MO./DAY/YR.</th> <th style="width: 50px;">MO./DAY/YR.</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">01</td><td style="text-align: center;">01</td></tr> <tr><td style="text-align: center;">02</td><td style="text-align: center;">02</td></tr> <tr><td style="text-align: center;">03</td><td style="text-align: center;">03</td></tr> <tr><td style="text-align: center;">04</td><td style="text-align: center;">04</td></tr> </tbody> </table>	MO./DAY/YR.	MO./DAY/YR.	01	01	02	02	03	03	04	04			
MO./DAY/YR.	MO./DAY/YR.													
01	01													
02	02													
03	03													
04	04													
FAX (505) 242-4159 VOICE (505) 242-6202 E-MAIL: DWLNM@RT66.COM REVIEW COMMITTEE CITY ENGINEER ZONE MAP NO. J-9-7														
CITY PROJECT NO. 5658.01 SIT-A-207 SHEET 53 OF 61														



- 01 12" X 8" X 16" SPLIT FACE CMU PILASTER UNITS, 4 #5 VERT. AND CONCRETE FILL TYPICAL.
- 02 8" X 8" X 16" SPLIT FACE CMU WALL 8' HIGH TYPICAL.
- 03 8" X 8" X 16" TRIANGULAR CAP BLOCK TYPICAL CAP ALL CMU WALLS.
- 04 STUCCO ON STANDARD 8" XB" X16" CMU
- 05 METAL STUCCO CONTROL JOINT ON CMU CONTROL JOINT



DWL ARCHITECTS & PLANNERS, INC.
OF NEW MEXICO

202 CENTRAL AVE. S.E.
WEST COURTYARD
ALBUQUERQUE, NEW MEXICO 87102

FAX (505) 242-4159
VOICE (505) 242-6302
EMAIL DWL@DWL66.COM



CITY OF ALBUQUERQUE

CAPITAL IMPLEMENTATION PROGRAM

TITLE: W.S.T.F. SITE ELEVATION & TYPICAL ELEV. SITE WALL & SIGN

DESIGN REVIEW COMMITTEE APPROVED JUL - 1 2002 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL APPROVED JUL - 1 2002 CITY ENGINEER	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
			01	03
			02	06
			03	07
			04	08

CITY PROJECT NO.

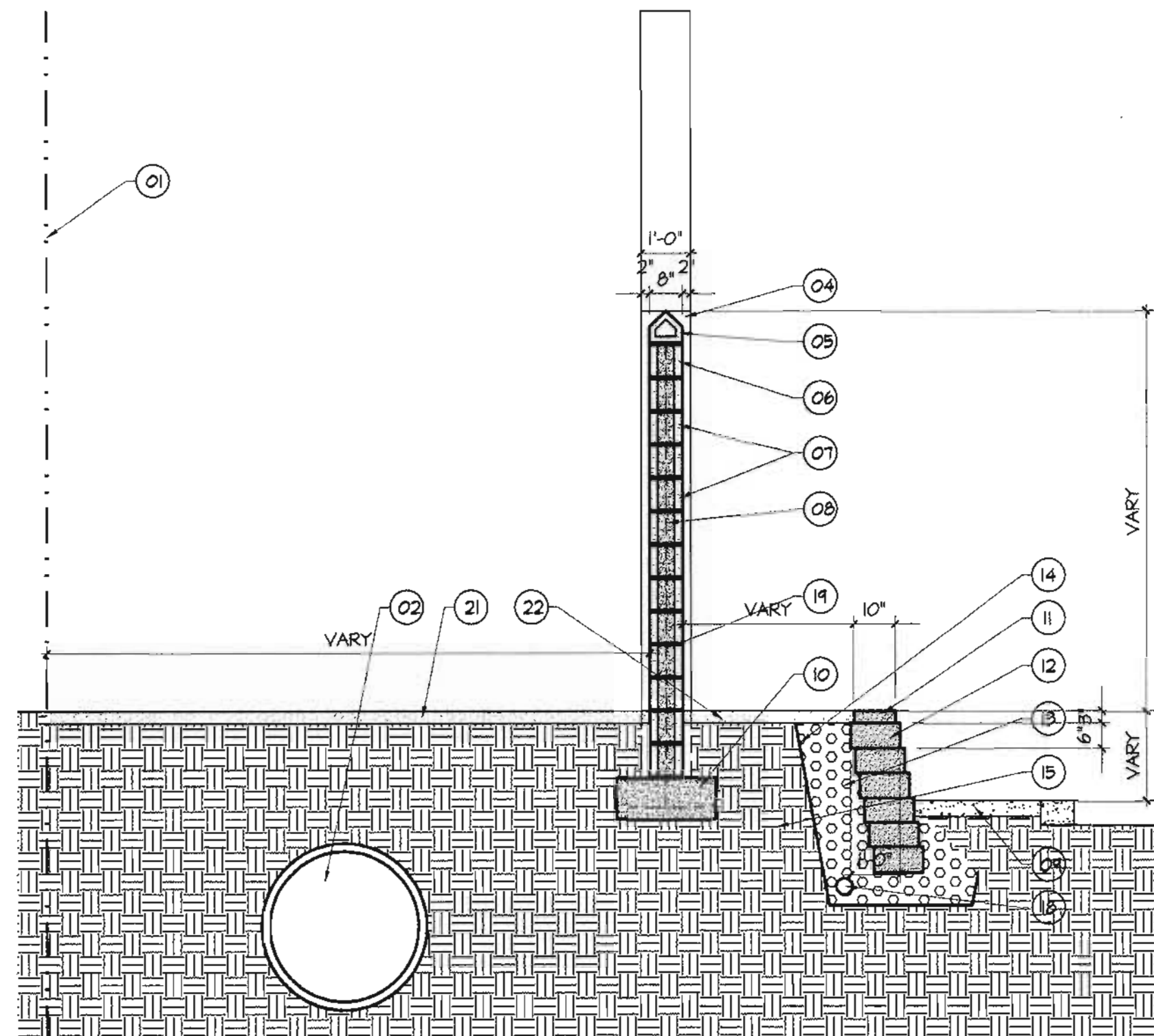
5658.01

ZONE MAP NO.

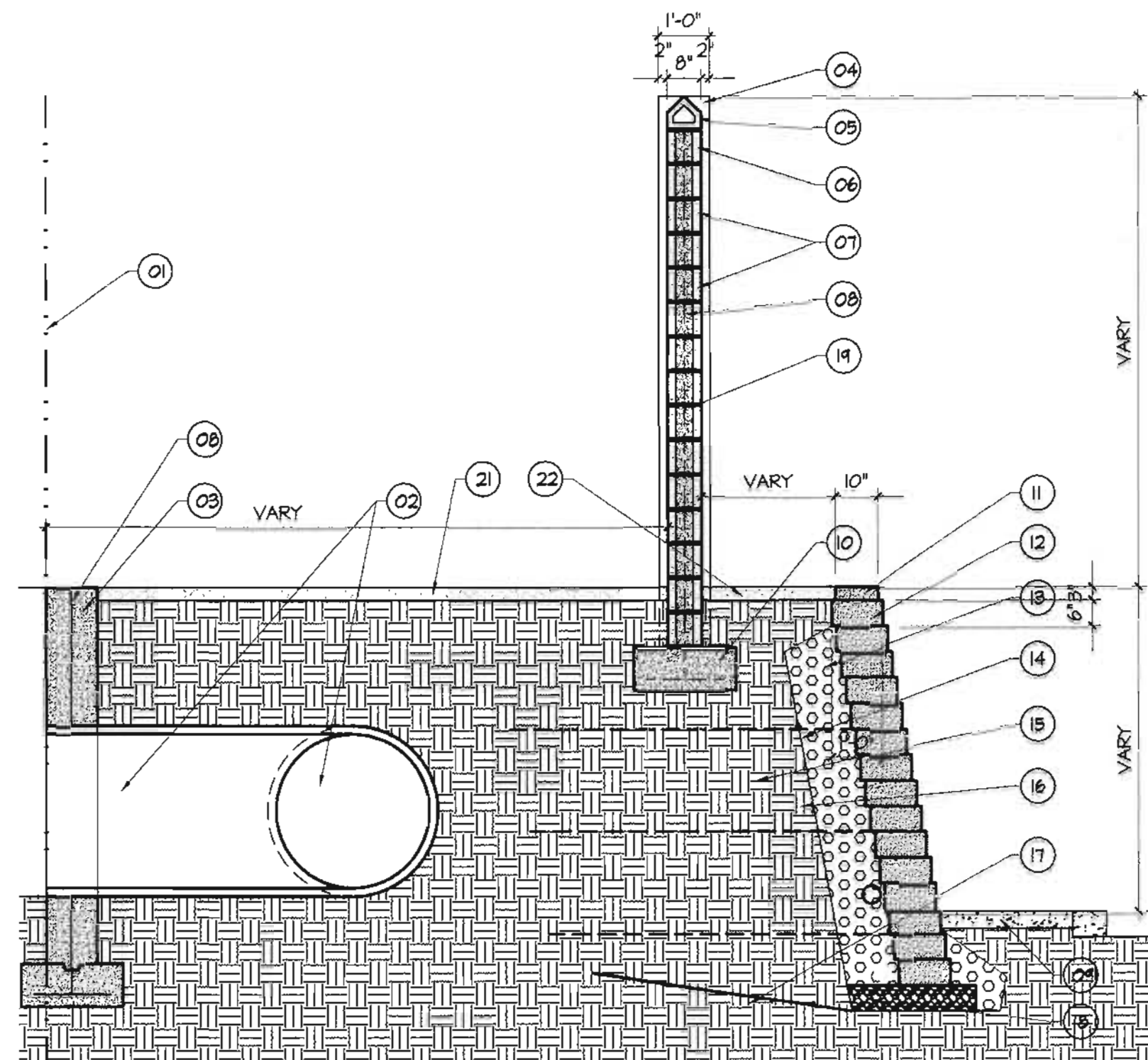
J-9-7

SI-A-501

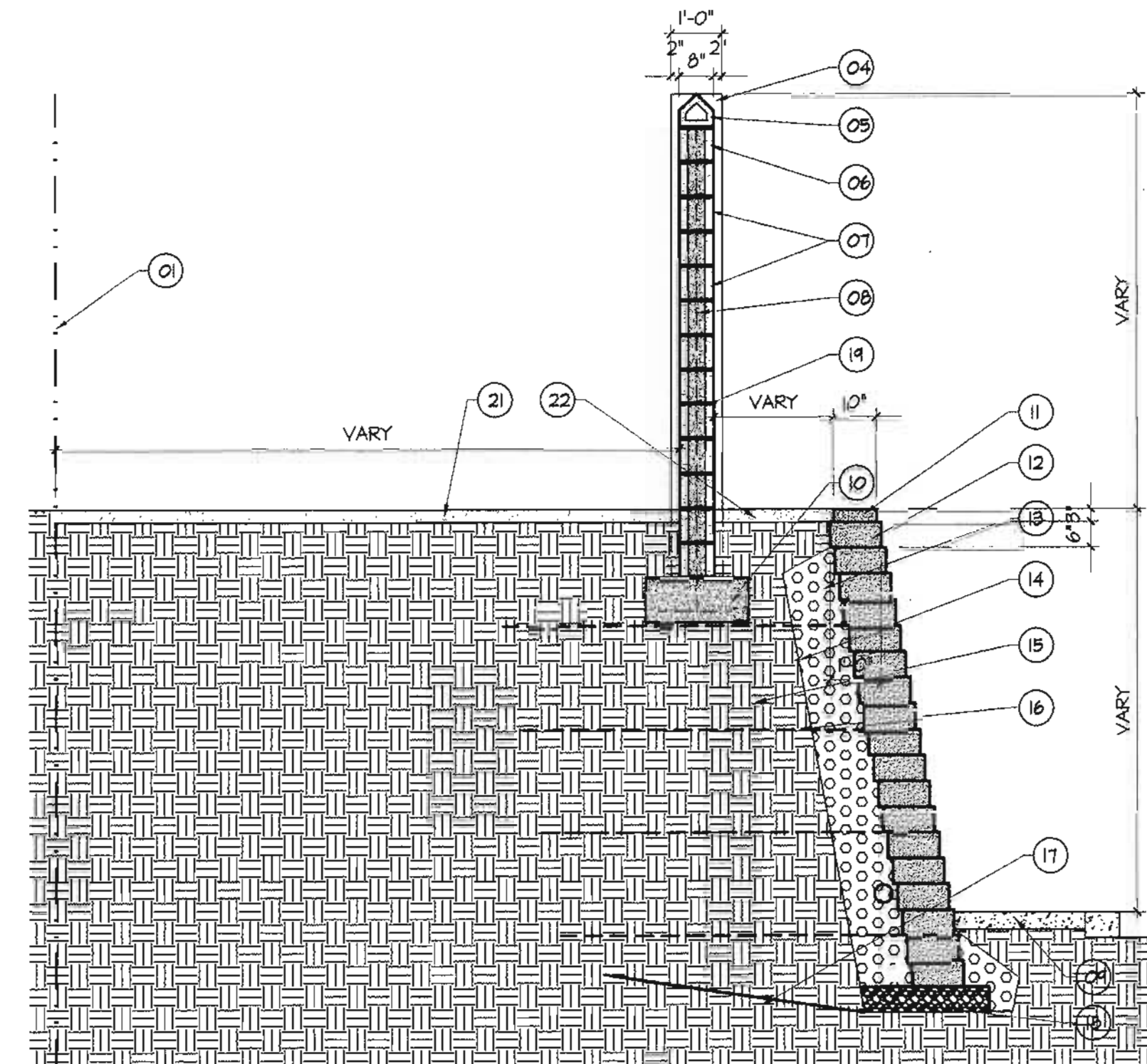
SHEET 56 OF 61



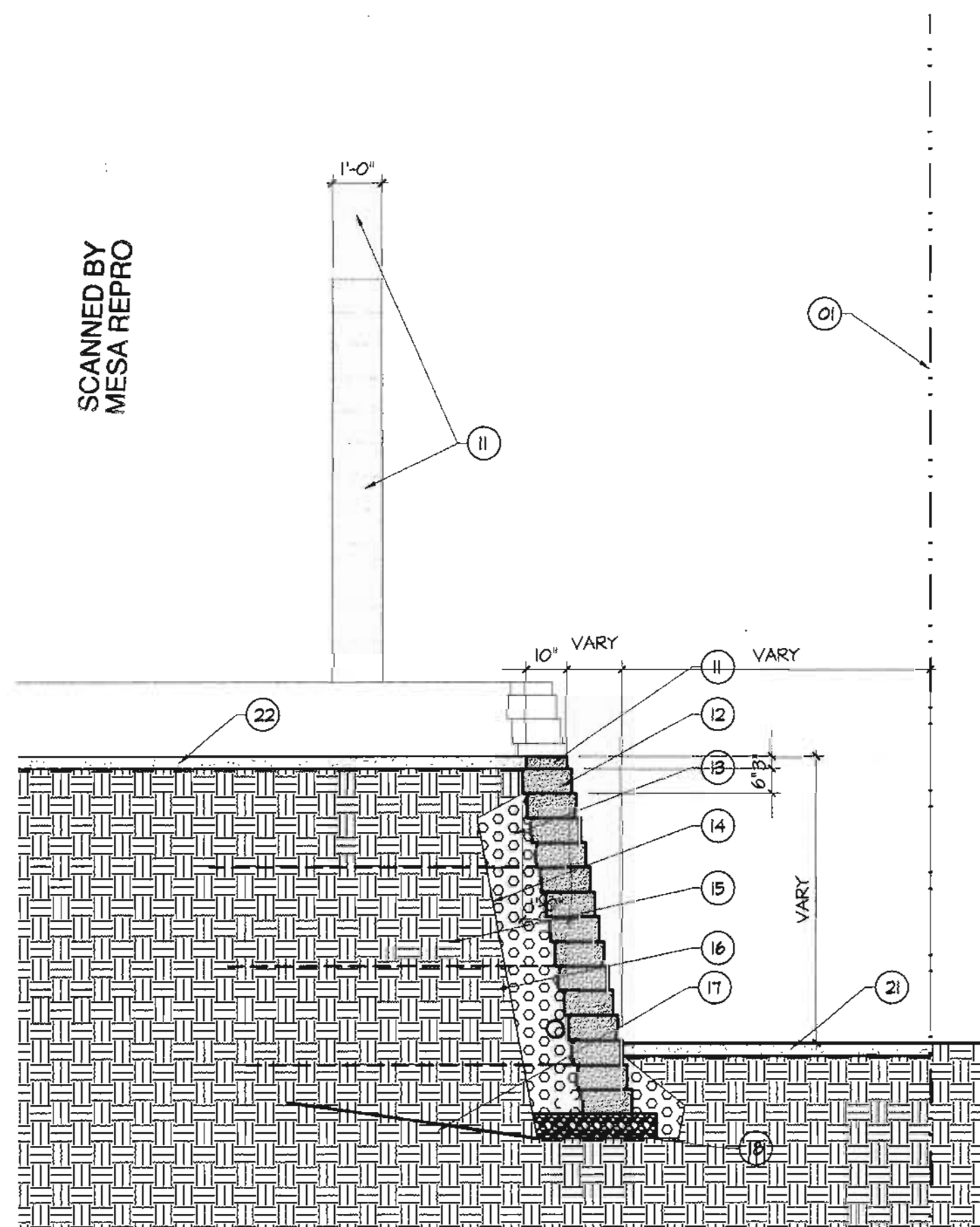
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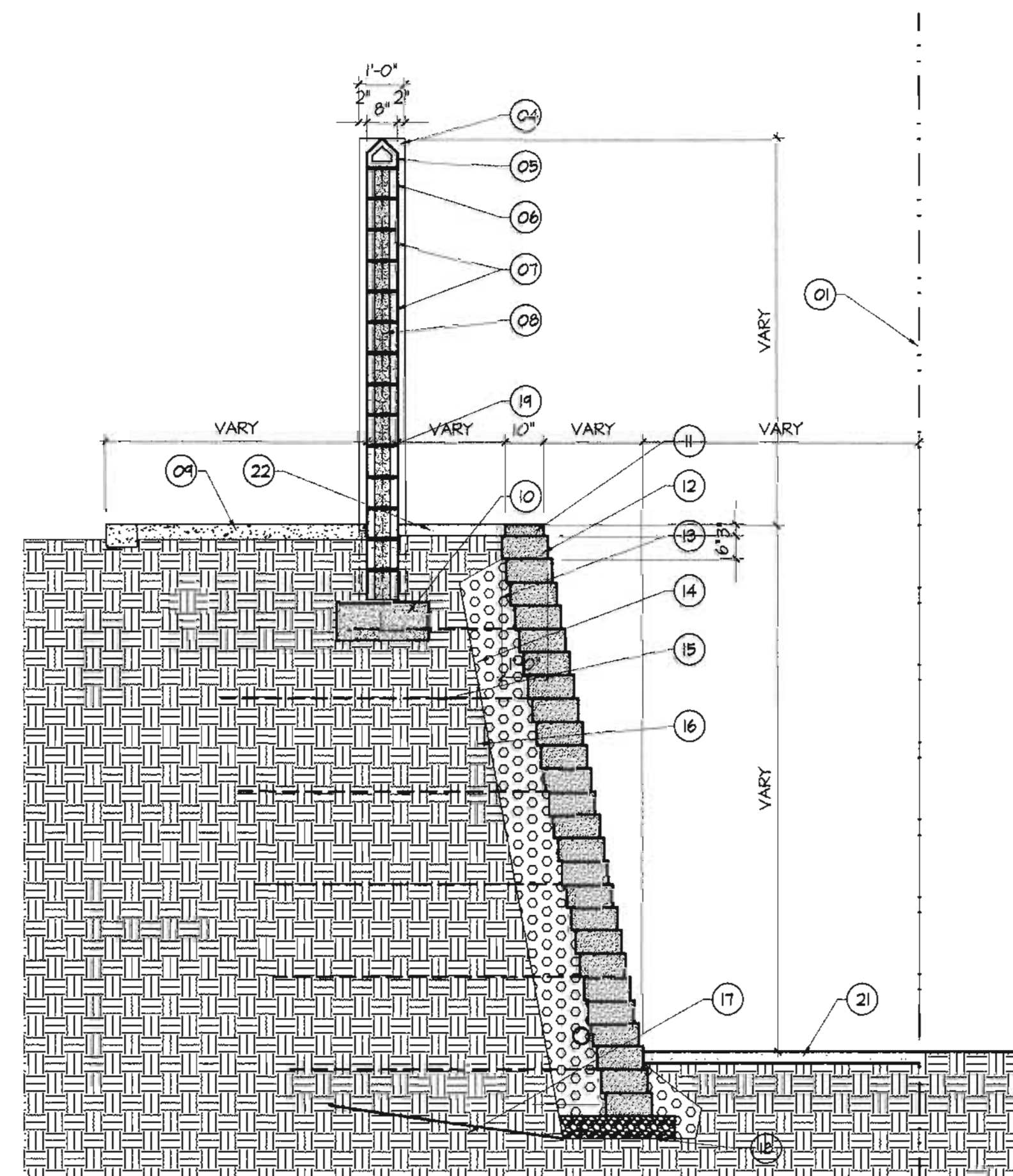
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SCALE: 3/8"=1'-0"



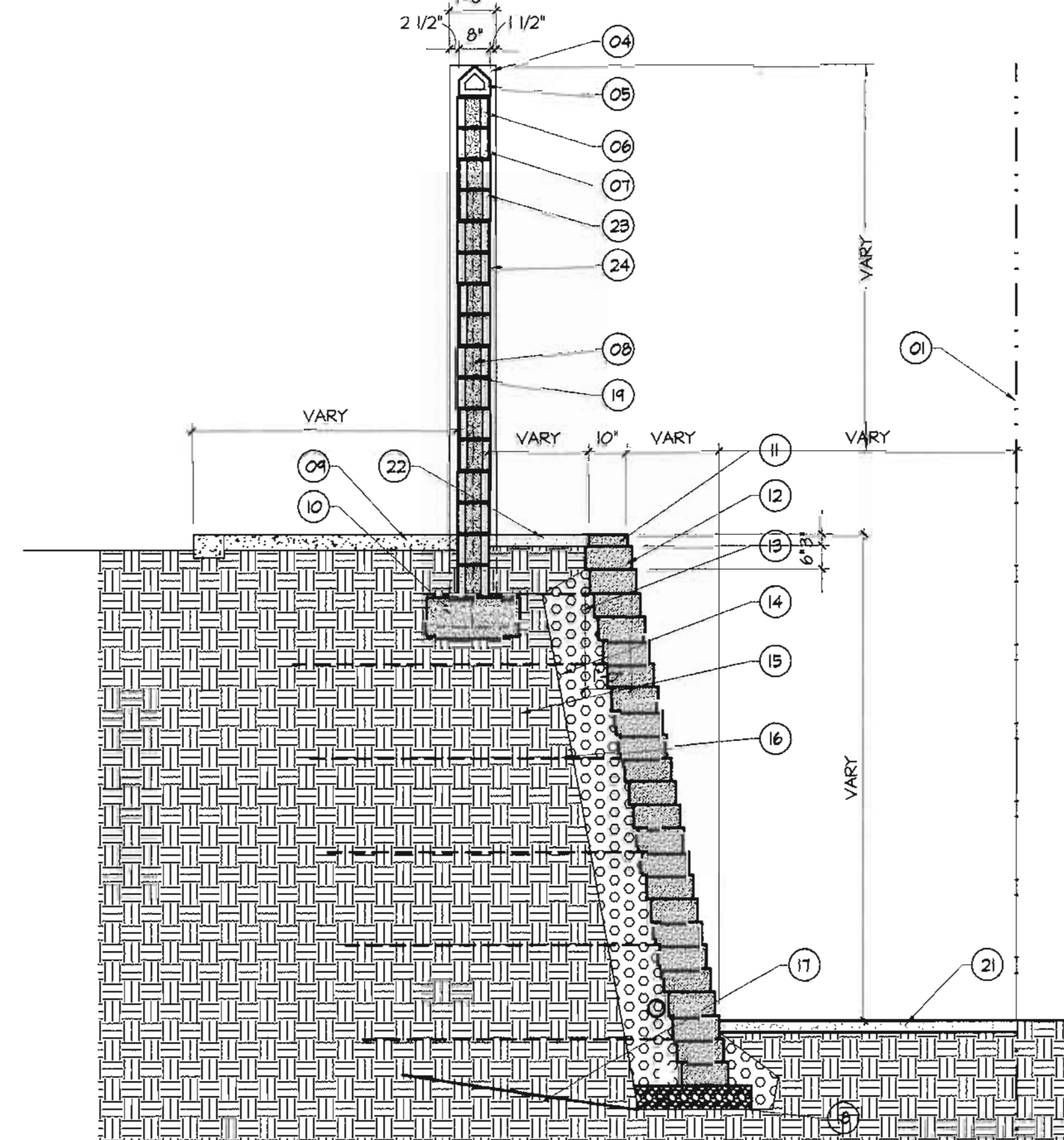
3 WALL SECTION
SCALE: 3/8"=1'-0"



4 WALL SECTION
SCALE: 3/8"=1'-0"



5 WALL SECTION
SCALE: 3/8"=1'-0"



6 WALL SECTION
SCALE: 3/8"=1'-0"

GENERAL NOTES:

- REFER TO STRUCTURAL 2/SIT-5-102 TYPICAL FOR ALL CMU SITE WALLS
- REFER TO STRUCTURAL 3/SIT-5-102 TYPICAL FOR ALL SEGMENTAL RETAINING WALLS

KEYED NOTES:

- 01 PROPERTY LINE
- 02 40" DIA. DRAINAGE SYSTEM, SEE CIVIL DRAWING
- 03 12" THICK CONCRETE RETAINING WALL, SEE CIVIL DRAWING
- 04 12" X 8" X 16" SPLIT FACE CMU PILASTER UNITS, 4 #5 VERT. AND CONCRETE FILL TYPICAL
- 05 8" X 8" X 16" TRIANGULAR CAP BLOCK TYPICAL CAP ALL CMU WALLS
- 06 8" X 8" X 16" KNOCK OUT BOND BEAM
- 07 8" X 8" X 16" SPLIT FACE CMU WALL 8' HIGH TYPICAL
- 08 #4 STEEL BAR VERTICAL REINFORCEMENT
- 09 CONCRETE SIDE WALK
- 10 CONCRETE FOOTING
- 11 3" X 11.25" X 10" CAP RETAINING WALL SYSTEM BY "ANCHOR DIAMOND", SEE WALL ELEVATION FOR T.O.M. ELEVATION AND B.O.M. ELEVATION
- 12 6" X 11.25" X 12" STRAIGHT FACE RETAINING WALL SYSTEM BY "ANCHOR DIAMOND", SEE WALL ELEVATION FOR T.O.M. ELEVATION AND B.O.M. ELEVATION
- 13 COMPACTED DRAINAGE FILL
- 14 MIRAFI FILTRATION GEOTEXTILE
- 15 COMPACTED NATIVE FILL
- 16 MIRAFI GEOSYNTHETIC REINFORCEMENTS, REFER TO STRUCTURAL 3/SIT-5-102 TYP.
- 17 BLANKET DRAIN (MIRAFI PREFABRICATED DRAINAGE COMPOSITE)
- 18 4" DIA. DRAINAGE PIPE
- 19 #4 STEEL BAR HORIZONTAL REINFORCEMENT
- 20 SPLIT FACE CMU WALL, SEE WALL ELEVATION FOR T.O.M. ELEVATION AND T.O.F. ELEVATION
- 21 3" THICK CRUSHER FINES ON COMPACTED EARTH
- 22 3" THICK, 3/4" DIA. SANTA FE BROWN ROCK ON FILTER FABRIC, NEED CONTROL
- 23 GLAZED 8" X 8" X 16" CMU
- 24 1/2" THICK STUCCO

AS-BUILT INFORMATION	
CONTRACTOR	CUM, INC.
DATE	04/09/02
DESIGNED BY	RON R. BURTON
DATE	04/09/02
CHECKED BY	RON R. BURTON
DATE	04/09/02
REVIEWED BY	RON R. BURTON
DATE	04/09/02
APPROVED BY	RON R. BURTON
DATE	04/09/02

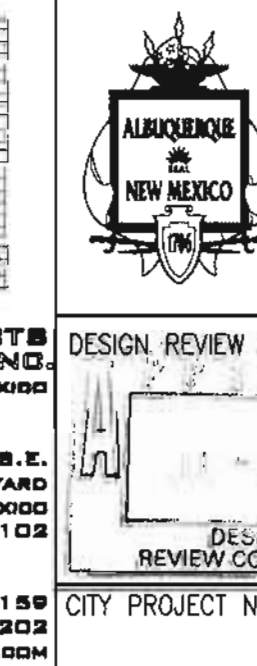
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NO.	DATE

SURVEY INFORMATION	
NO.	DATE

ARCHITECT/ENGINEER SEAL	
NO.	DATE

REVISIONS	
NO.	DATE

CITY OF ALBUQUERQUE	
CAPITAL IMPLEMENTATION PROGRAM	
TITLE: W.S.T.F. SITE CUT SECTIONS	
TYPICAL SECTIONS	
DESIGN BY:	R. BURTON
DRAWN BY:	S. SIBOUTH
CHECKED BY:	R. BURTON
DATE:	04/09/02
DATE:	04/09/02
DATE:	04/09/02



DESIGN REVIEW COMMITTEE	
NO.	DATE

CITY-ENGINEER APPROVAL	
NO.	DATE

LAST DESIGN UPDATE	
NO.	DATE

CITY PROJECT NO.	
NO.	DATE

ZONE MAP NO.	
NO.	DATE

SHEET	
NO.	DATE

SI-A-502	
NO.	DATE

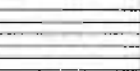
OF	
NO.	DATE

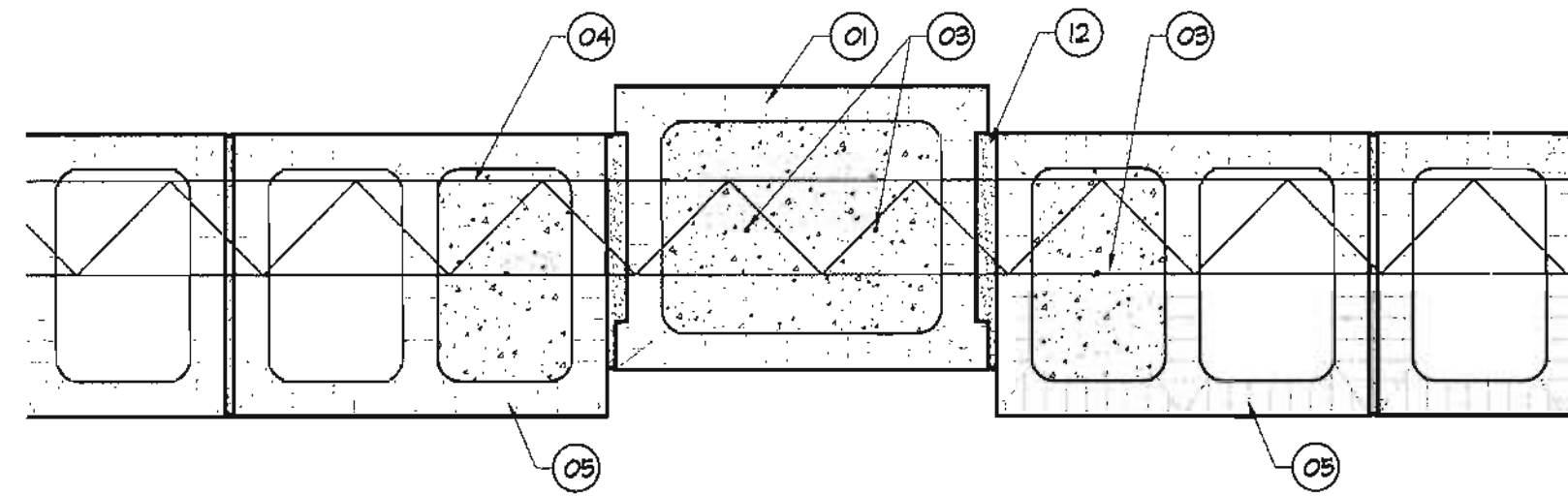
SCANNED BY
MESA REPRO



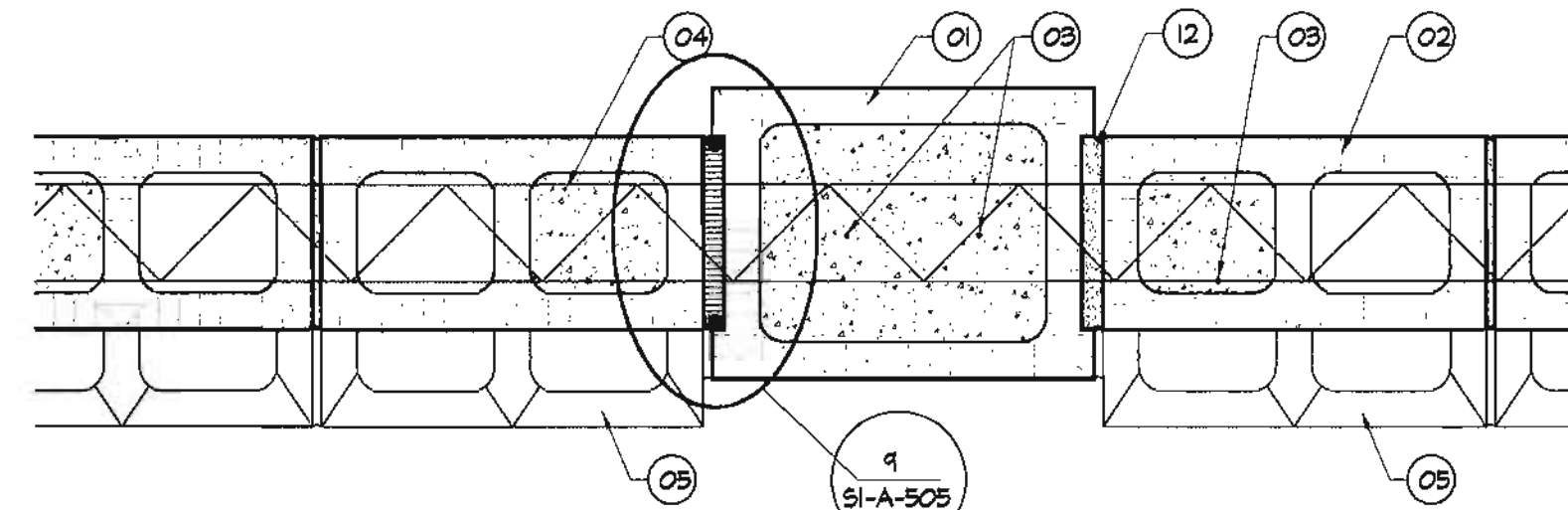
- (01) 12" x 8" x 16" SPLIT FACE CMU PILASTER UNITS. 4 #5 BARS. AND CONCRETE FILL TYPICAL.
- (02) 8" x 8" x 16" TRIANGULAR CAP BLOCK TYPICAL CAP ALL CMU WALLS.
- (03) 8" x 8" x 16" KNOCK OUT BOND BEAM
- (04) 8" x 8" x 16" SPLIT FACE CMU WALL 8" HIGH TYPICAL.
- (05) #4 STEEL BAR VERTICAL REINFORCEMENT, SEE STRUCTURAL DRAWING
- (06) CONCRETE SIDE WALK
- (07) CONCRETE FOOTING
- (08) #4 STEEL BAR HORIZONTAL REINFORCEMENT, SEE STRUCTURAL DRAWING
- (09) 12" x 8" x 16" SPLIT FACE CMU WALL

STATE OF NEW MEXICO
RON R. BURTON
No. 855
REGISTERED ARCHITECT
5-8-02

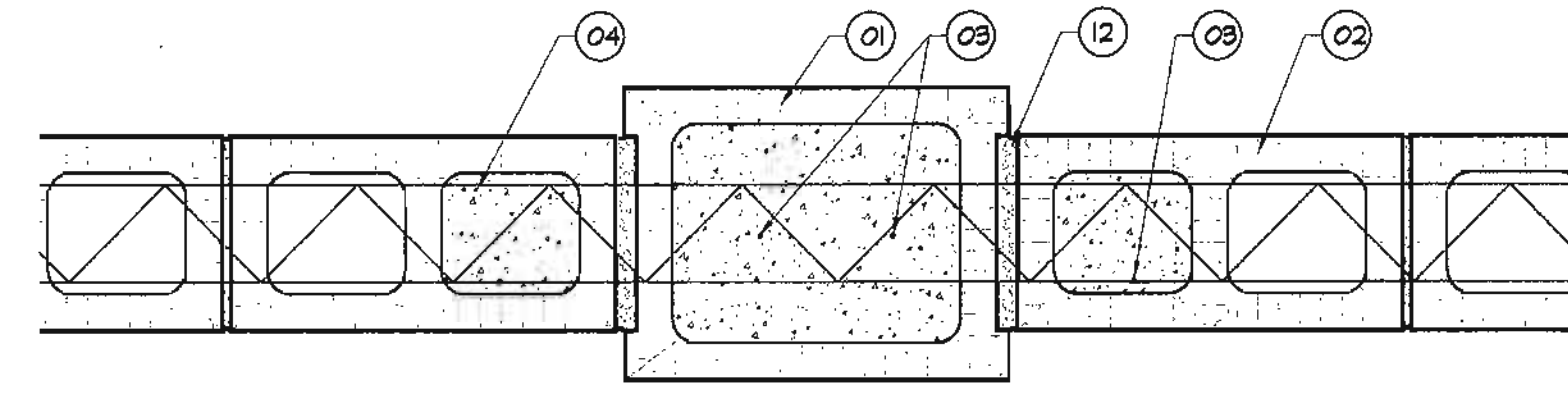
		CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM										
TITLE: W.S.T.F. SITE CUT SECTIONS TYPICAL SECTIONS												
DWL ARCHITECTS & PLANNERS, INC. of New Mexico 202 CENTRAL AVE. S.E. WEST COURTYARD ALBUQUERQUE, NEW MEXICO 87108 FAX (505) 242-4189 VOICE (505) 242-6028 E-MAIL DWL@DWL-NM.COM	DESIGN REVIEW COMMITTEE APPROVED 10 - 1 - 2002 DESIGN REVIEW COMMITTEE CITY PROJECT NO. 5658.01	CITY-ENGINEER APPROVAL APPROVED 11 - 1 - 2002 CITY ENGINEER ZONE MAP NO. J-9-7										
LAST DESIGN UPDATE <table border="1" style="border-collapse: collapse;"> <thead> <tr> <th>NO./DAY/YR.</th> <th>NO./DAY/YR.</th> </tr> </thead> <tbody> <tr><td>01</td><td>03</td></tr> <tr><td>02</td><td>06</td></tr> <tr><td>03</td><td>07</td></tr> <tr><td>04</td><td>08</td></tr> </tbody> </table> SI-A-504 SHEET 59 OF 61			NO./DAY/YR.	NO./DAY/YR.	01	03	02	06	03	07	04	08
NO./DAY/YR.	NO./DAY/YR.											
01	03											
02	06											
03	07											
04	08											



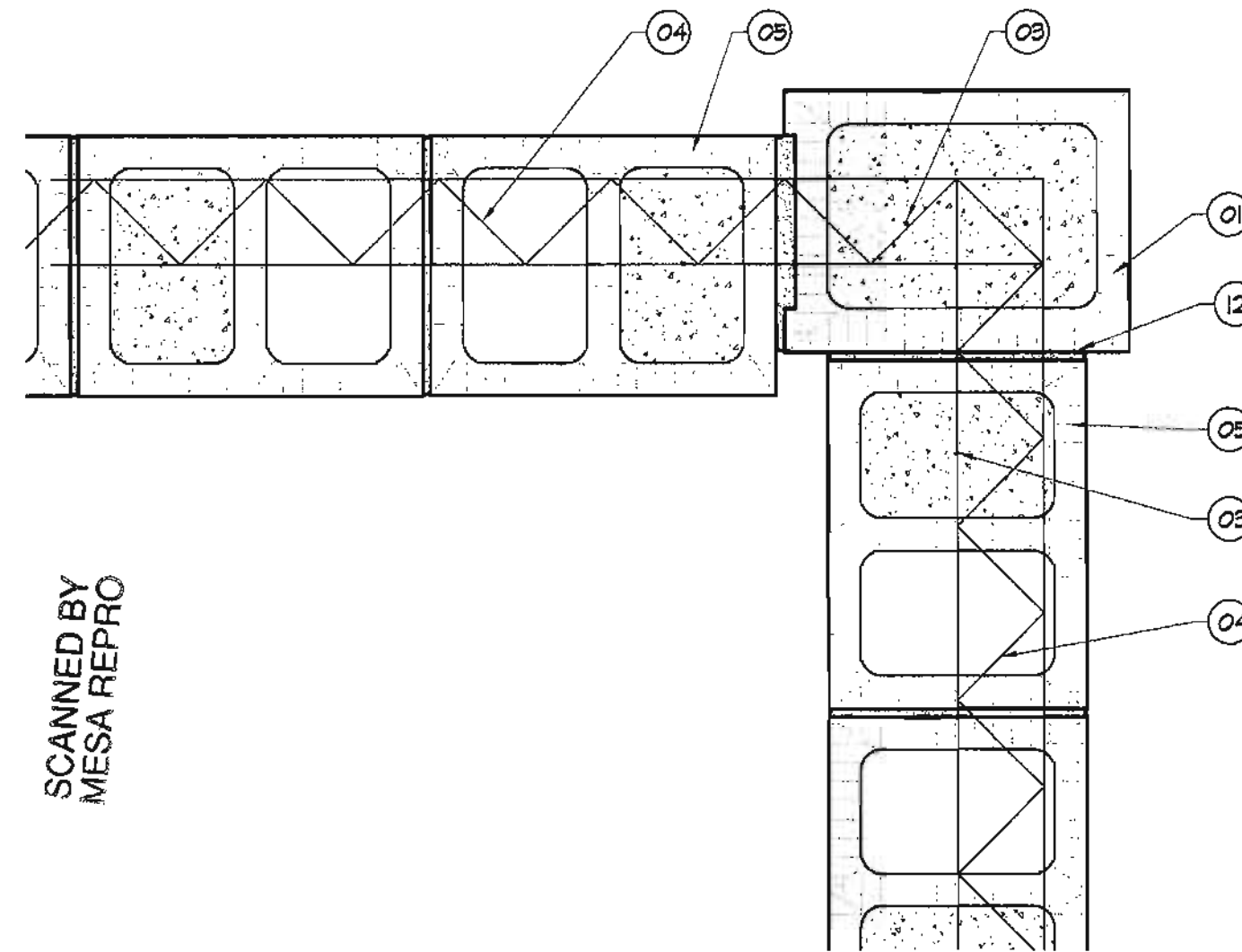
1 WALL DETAIL -TYP. @12" CMU WALL
SCALE: 3/8"=1'-0"



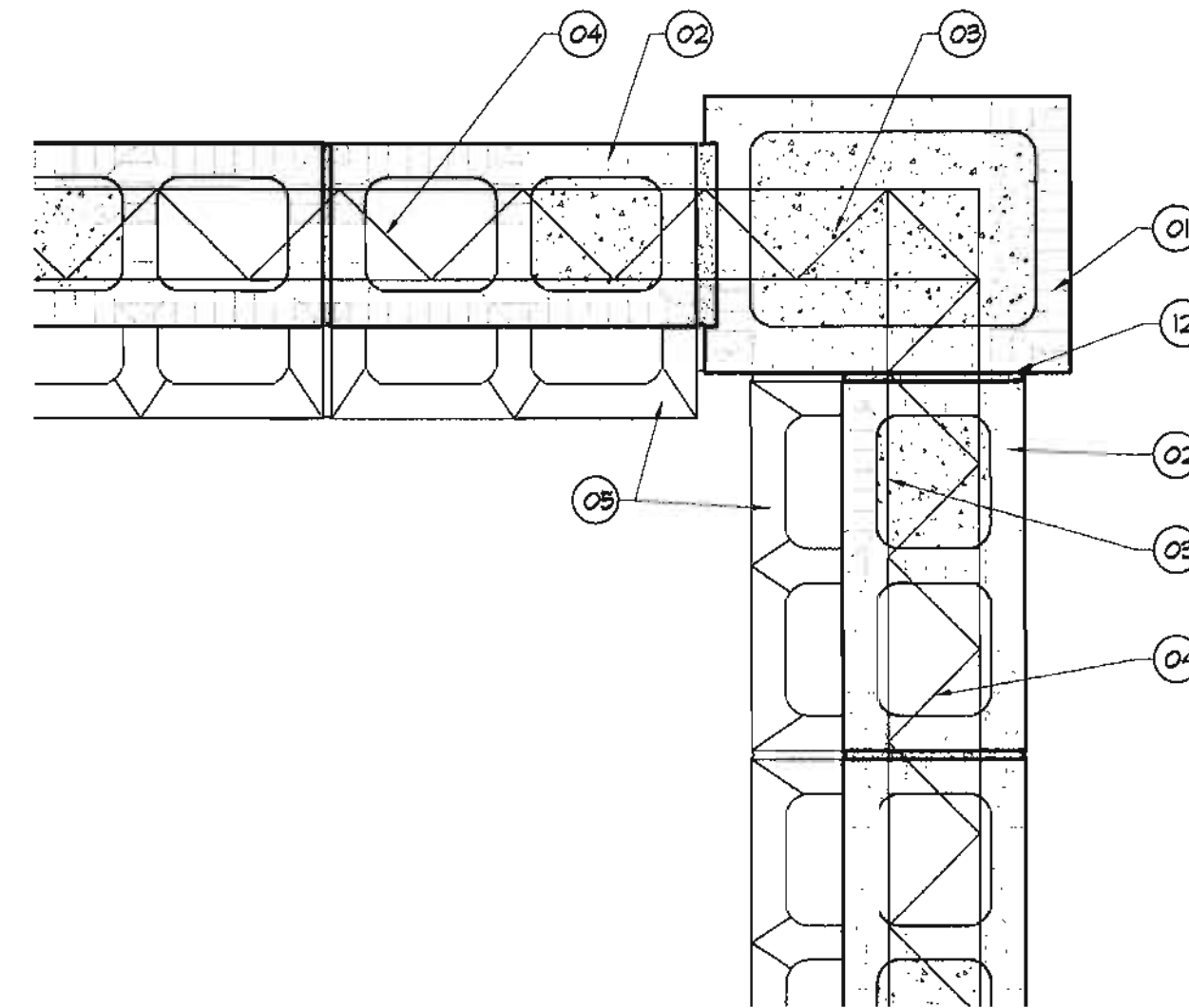
2 WALL DETAIL-TYP. AT CONTROL JOINT
(ONE SIDE OF ALTERNATE PILASTERS)
SCALE: 3/8"=1'-0"



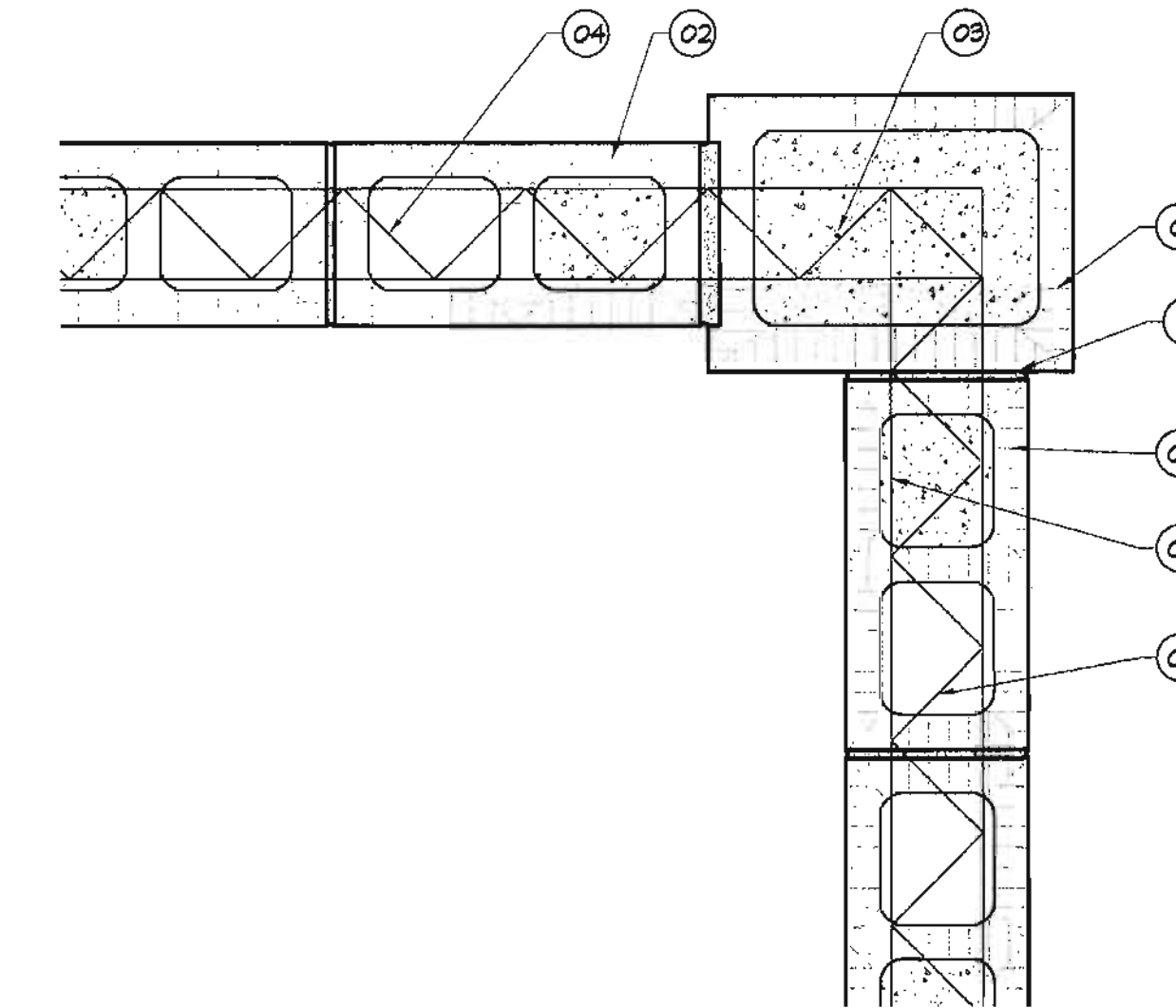
3 WALL DETAIL-TYPICAL AT PILASTERS
SCALE: 3/8"=1'-0"



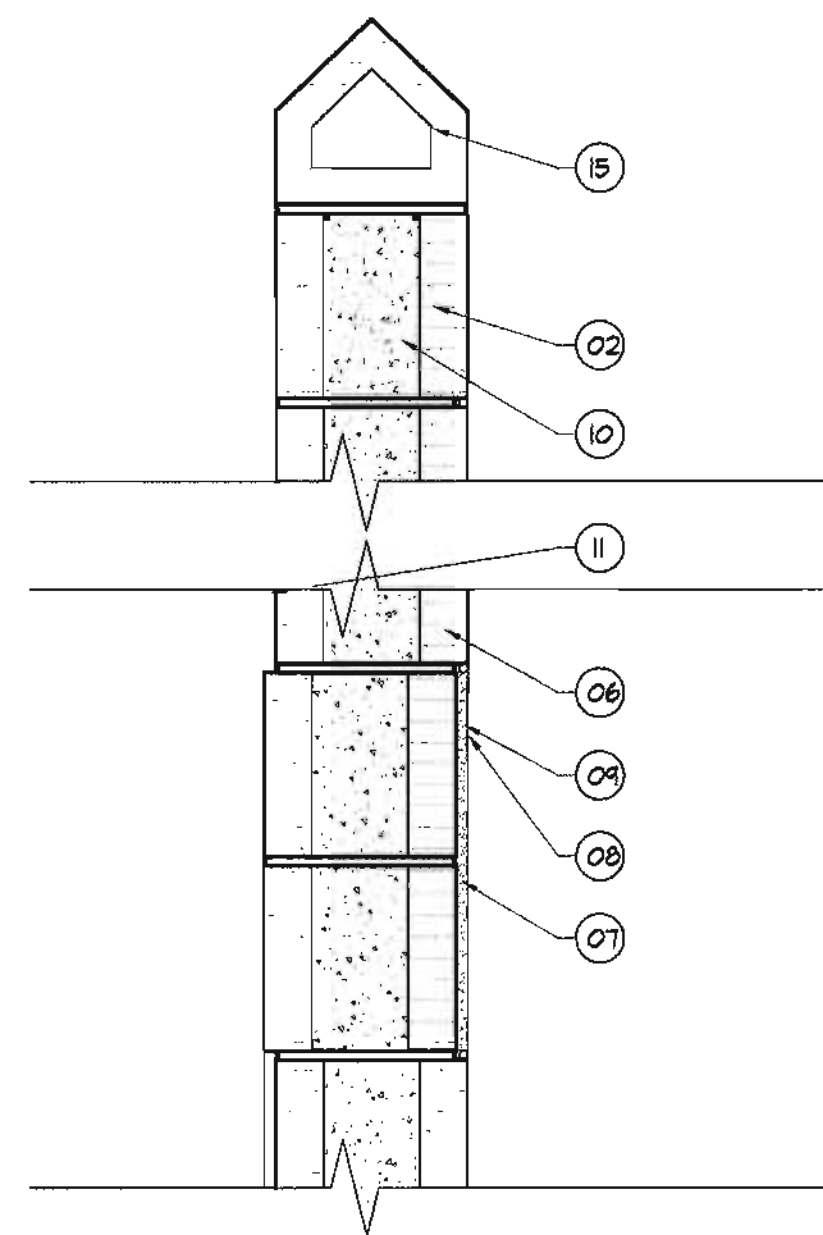
4 WALL DETAIL-TYP. CORNER AT 12" CMU WALL
SCALE: 3/8"=1'-0"



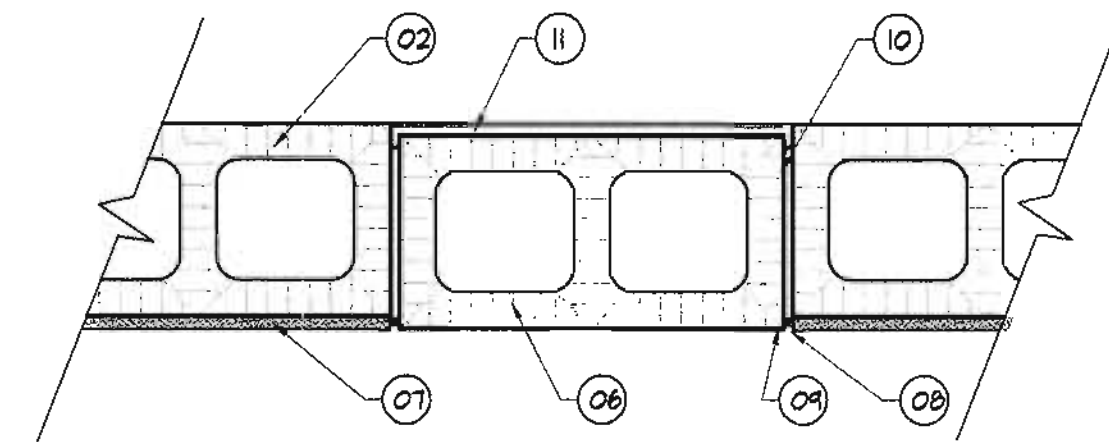
5 WALL DETAIL-TYP. @12" RETAINING & 8" CMU WALL
SCALE: 3/8"=1'-0"



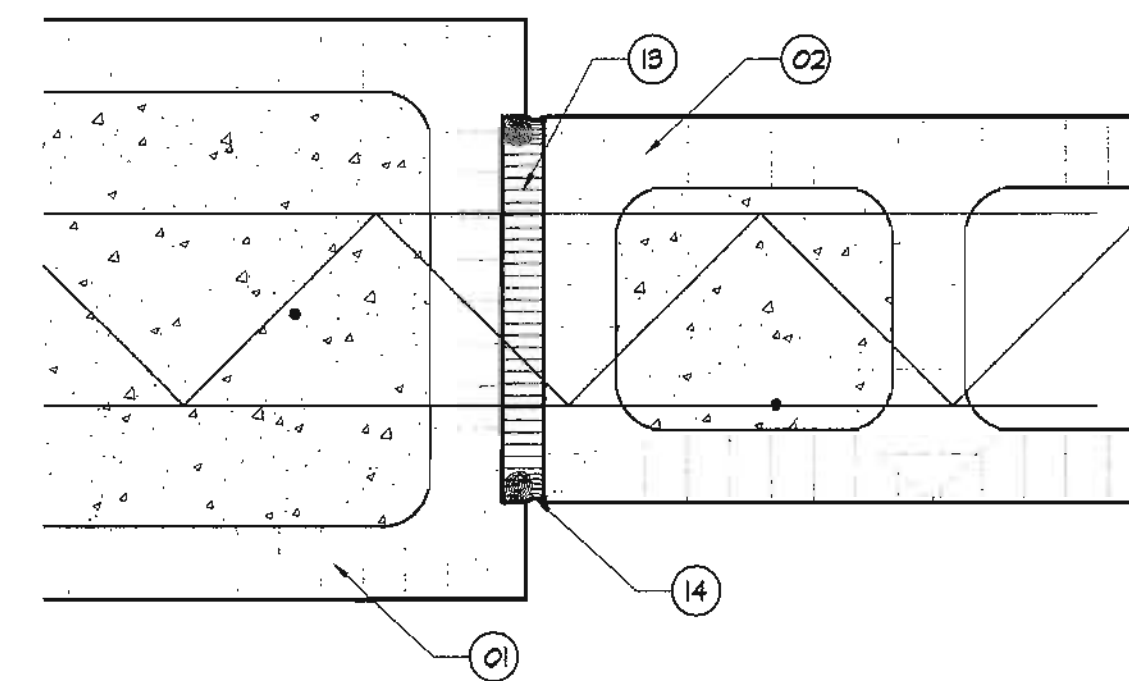
6 WALL DETAIL-TYP. CORNER 8" CMU
SCALE: 3/8"=1'-0"



7 TYP. VERTICAL WALL DETAIL
@ DECORATIVE CERAMIC GLAZED CMU
SCALE: 3/8"=1'-0"



8 TYP. HORIZONTAL WALL DETAIL
@ DECORATIVE CERAMIC GLAZED CMU
SCALE: 3/8"=1'-0"



9 CONTROL JOINT-TYP. AT ONE SIDE
OF ALTERNATE PILASTER LOCATION
SCALE: 3/8"=1'-0"

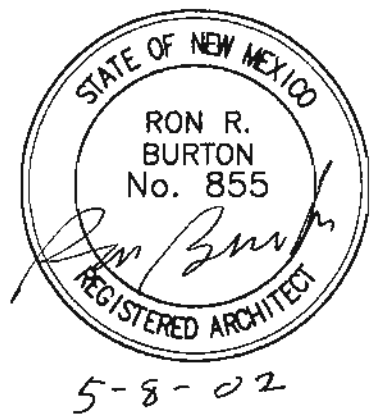
GENERAL NOTES:

- REFER TO STRUCTURAL 2/SIT-5-102 TYPICAL FOR ALL CMU SITE WALLS
- REFER TO STRUCTURAL 3/SIT-5-102 TYPICAL FOR ALL SEGMENTAL RETAINING WALLS

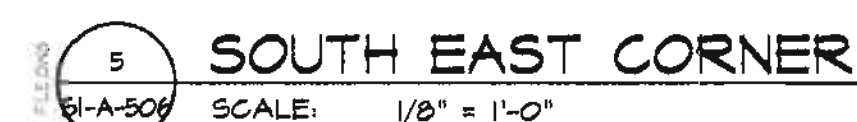
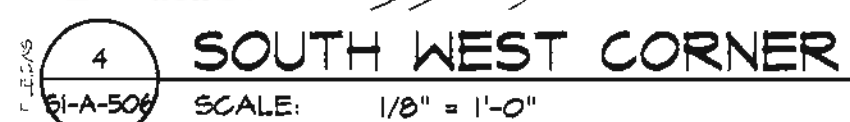
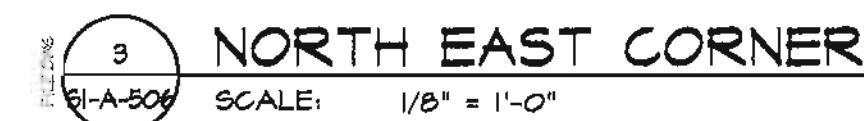
KEYED NOTES:

- 01 12" X 8" X 16" SPLIT FACE CMU PILASTER UNITS. 4 #5 VERT. AND CONCRETE FILL TYPICAL.
- 02 8" X 8" X 16" SPLIT FACE CMU WALL 8' HIGH TYPICAL.
- 03 #4 STEEL BAR VERTICAL REINFORCEMENT, SEE STRUCTURAL DRAWING
- 04 HORIZONTAL STEEL REINFORCEMENT, SEE STRUCTURAL DRAWING
- 05 12" X 8" X 16" CMU BLOCK WALL AT 12" CMU RETAINING WALL ONLY
- 06 GLAZED 8" X 8" X 16" CMU BLOCK SCORED
- 07 1/8" THICK STUCCO SYSTEM
- 08 METAL STUCCO EDGE
- 09 CONT. SEALANT
- 10 MASONRY MORTAR
- 11 1/8" OFFSET
- 12 CONTROL JOINTS, TYPICAL AT ONE SIDE OF ALTERNATE PILASTER LOCATIONS-SEE DETAIL 9/SI-A-505
- 13 EXPANSION JOINT FILLER
- 14 BACKER-ROD AND SEALANT EACH SIDE
- 15 8" X 8" X 16" TRIANGULAR CAP BLOCK TYPICAL CAP ALL CMU WALLS.
- 16 MORTAR JOINT TYP. EXCEPT AT CONTROL JOINT PER DET. 2/SI-A-505 (ALTERNATE PILASTERS).

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ARCHITECT/ENGINEER SEAL		REVISIONS		REMARKS		BY		DATE		NO.	
CONTRACTOR: CMU INC.		DATE: 04/09/02		FIELD NO.:		DATE: 04/09/02		NO.:		NO.:		NO.:		NO.:		NO.:	
DESIGNED BY: DWL		DATE: 04/04/02		CHECKED BY: SEC		DATE: 04/04/02		NO.:		NO.:		NO.:		NO.:		NO.:	
RECORDED BY: MICRO-FILM INFORMATION		DATE: 07/04/02		NO.:		NO.:		NO.:		NO.:		NO.:		NO.:		NO.:	
FINISHED FLOOR ELEVATION		100'-0" = 0000.00'		NO.:		NO.:		NO.:		NO.:		NO.:		NO.:		NO.:	



DWL ARCHITECTS & PLANNERS, INC. 202 CENTRAL AVE. S.E. WEST COURTYARD ALBUQUERQUE, NEW MEXICO 87102 FAX (505) 242-4155 VOICE (505) 242-6202 E-MAIL DWLNM@RTSS.COM		CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM TITLE: W.S.T.F. SITE WALL DETAILS TYPICAL DETAILS		DESIGN REVIEW COMMITTEE APPROVED DATE: 11-1-2002		CITY ENGINEER APPROVAL APPROVED DATE: 11-1-2002		LAST DESIGN UPDATE DATE: 11-1-2002		MO./DAY/YR. 04/09/02		MO./DAY/YR. 04/09/02		MO./DAY/YR. 04/09/02	
CITY PROJECT NO. 5658.01		ZONE MAP NO. J-9-Z		SHEET 60 OF 61		SI-A-505		DWL		DWL		DWL		DWL	



NO.	DATE	REMARKS	BY	ARCHITECT/ENGINEER SEAL	SURVEY INFORMATION	BENCH MARKS	AS-BUILT INFORMATION
				STATE OF NEW MEXICO RON R. BURTON No. 855 <i>R. R. Burton</i> REGISTERED ARCHITECT 5-8-02	FIELD NOTES		
					NO.	BY	DATE

		CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM
DWL ARCHITECTS & PLANNERS, INC. OF NEW MEXICO 202 CENTRAL AVE. S.E. WEST COURTYARD ALBUQUERQUE, NEW MEXICO 87102 FAX (505) 242-4189 VOICE (505) 242-8003 E-MAIL DWL@NM-RTSS.COM		TITLE: W.S.T.F. SITE PARTIAL SITE PLANS
DESIGN REVIEW COMMITTEE APPROVED JUL - 1 2002 DESIGN REVIEW COMMITTEE		CITY ENGINEER APPROVAL APPROVED JUL - 1 2002 CITY ENGINEER
CITY PROJECT NO. 5658.01		ZONE MAP NO. J-9-Z