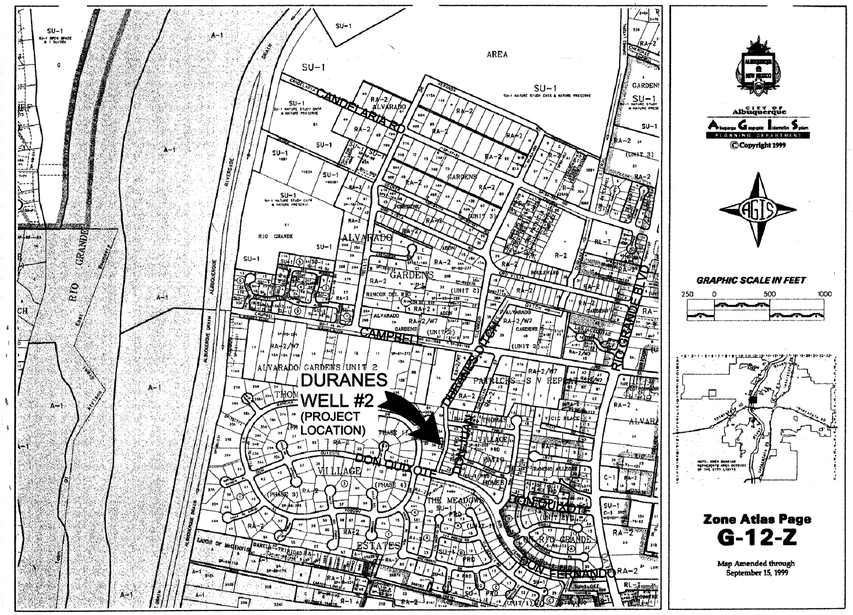
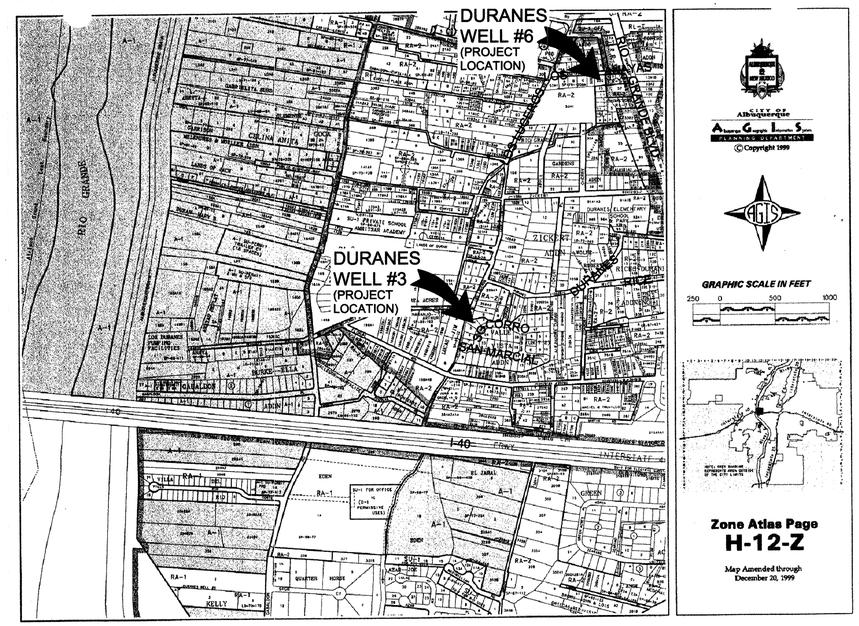
Albuquerque Bernalillo County
Water Utility Authority

DURANES WELLS 2, 3 AND 6 WASHLINE MODIFICATIONS

RECORD DRAWINGS
Revisions Drawn by EJA Date 07/2007
THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE RECORD DRAWINGS.



VICINITY MAP



VICINITY MAP

APPROVAL OF RECORD DRAWINGS
PROJECT ENGINEER
DATE July - 14 - 2007

UTILITY CONTACTS

CITY OF ALBUQUERQUE
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ROYAL HARRISON
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EMAIL: ROYAL.HARRISON@TWTELECOM.COM

INDEX OF DRAWINGS

SHEET NO.	DRAWING NO.	TITLE OF SHEET
1	0-G-1	COVER / INDEX SHEET
2	0-G-2	GENERAL ABBREVIATIONS LEGENDS & NOTES
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3	1-C-1	DURANES WELL #2 SITE PIPING / DEMOLITION PLAN
4	1-PP-1	DURANES WELL #2 WASH LINE - STA. 17+40 TO STA. 19+67
5	1-PP-2	DURANES WELL #2 WASH LINE - STA. 15+00 TO STA. 17+40
6	1-PP-3	DURANES WELL #2 WASH LINE - STA. 12+50 TO STA. 15+00
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11	2-PP-2	DURANES WELL #3 WASH LINE - STA. 12+40 TO STA. 14+40
12	2-PP-3	DURANES WELL #3 WASH LINE - STA. 10+40 TO STA. 12+40
13	2-PP-4	DURANES WELL #3 WASH LINE - STA. 9+50 TO STA. 10+40
DURANES WELL #6		
14	3-C-1	DURANES WELL #6 SITE PIPING / DEMOLITION PLAN
DETAIL SHEETS		
15	4-M-1	MISCELLANEOUS DETAILS - AIR GAP CHAMBER
16	4-M-2	MISCELLANEOUS DETAILS - TRENCH SECTIONS

CH2MHILL
6001 Indian School Rd, N.E., SUITE 350
Albuquerque, New Mexico 87110
(505) 884-5600

REV	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

ENGINEERS STAMP & SIGNATURE: MICHAEL A. BREWER, NEW MEXICO, 14226, PROFESSIONAL ENGINEER — 9/26/06

APPROVALS	ENGINEER	DATE
DRC Chairman		9-26-06
Transportation	N/A	
Water/Wastewater	William J. Parks	9-26-06
Hydrology	N/A	
Water Resources		
Const.Coord.		
Water Utility Div.	James Chavez	9-26-06

City Project No. 7279-03

****
APPROVED FOR CONSTRUCTION
City Engineer Date 9-26-06

Sheet 1 Of 16
DRAWING NO. 0-G-1

323454.B0.DP
323454_BO_G-01.DWG
1=1
09/19/2006

ABBREVIATIONS

AB	ANCHOR BOLT	M-4	MECHANICAL DRAWING 4TH SHEET
AFF	ABOVE FINISH FLOOR	MAX	MAXIMUM
AL	ALUMINUM	MB	MACHINE BOLT
ALTN	ALTERNATE	MECH	MECHANICAL
APPROX	APPROXIMATELY	MH	MANHOLE
ARCH	ARCHITECTURAL	MJ	MECHANICAL JOINT
BFV	BUTTERFLY VALVE	MIN	MINIMUM
BLDG	BUILDING	NO	NUMBER
BOF	BOTTOM OF FOOTING	NTS	NOT TO SCALE
BOT	BOTTOM	OC	ON CENTER
BF	BOTTOM FACE	OD	OUTSIDE DIAMETER, OVERFLOW DRAIN
BM	BEAM, BENCHMARK	OF	OUTSIDE FACE
BRG	BEARING	PC	POINT OF CURVATURE
C-2	CIVIL DRAWING 2ND SHEET	PE	PLAIN END
CCP	CONCRETE CYLINDER PIPE	PI	POINT OF INTERSECTION
CI	CAST IRON	PL, ℄	PLATE
CJ	CONSTRUCTION JOINT	PP	POWER POLE
C, CL	CENTER LINE	PP-2	PLAN AND PROFILE DRAWING 2nd SHEET
CLR	CLEAR, CLEARANCE	PSI	POUNDS PER SQUARE INCH
CONC	CONCRETE	PT	POINT OF TANGENT
CONT	CONTINUOUS	PVC	POLYVINYL CHLORIDE
CPLG	COUPLING	RCP	REINFORCED CONCRETE PIPE
CTR	CENTER	RDCR	REDUCER
CTRD	CENTERED	REINF	REINFORCED
DI OR DIP	DUCTILE IRON PIPE	REQ'D	REQUIRED
DIA	DIAMETER	RT	RIGHT
DWG	DRAWING	R/W, R.O.W.	RIGHT-OF-WAY
EF	EACH FACE	SAS	SANITARY SEWER
EL OR ELEV	ELEVATION	S-3	STRUCTURAL DRAWING 3RD SHEET
EQ	EQUAL	SCHD	SCHEDULE
EW	EACH WAY	SD	STORM DRAIN/SEWER
EWEF	EACH WAY EACH FACE	SHT	SHEET
EXIST,EXST,EXTG	EXISTING	SIM	SIMILAR
FF	FINISH FLOOR	SPA	SPACING
FG	FINISHED GRADE	SQ	SQUARE
FH	FIRE HYDRANT	SS OR SST	STAINLESS STEEL
FL, ℄	FLOW LINE	STA	STATION
FLG	FLANGE	STD	STANDARD
FT	FOOT (FEET)	TBM	TEMPORARY BENCH MARK
G-1	GENERAL DRAWING 1ST SHEET	T&B	TOP AND BOTTOM
GA	GAUGE	TC	TOP OF CURB/CONCRETE
GALV	GALVANIZED (HOT DIP)	TF	TOP FACE
GV	GATE VALVE	TG	TOP OF GRADE
HORIZ	HORIZONTAL	T.O.P.	TOP OF PIPE
HT	HEIGHT	T.O.	TOP OF
ID	INSIDE DIAMETER	TYP	TYPICAL
IF	INSIDE FACE	VERT	VERTICAL
JT	JOINT	WM	WATER METER
LF	LINEAR FEET	WS	WELDED STEEL, WATERSTOP OR WATER SURFACE
LT	LEFT		
		WV	WATER VALVE

MIDDLE RIO GRANDE CONSERVANCY DISTRICT (M.R.G.C.D.)
GENERAL CONSTRUCTION NOTES:

1. ANY WORK TO BE PERFORMED WITHIN THE MIDDLE RIO GRANDE CONSERVANCY DISTRICT (M.R.G.C.D.) RIGHT-OF-WAY SHALL BE CLOSELY COORDINATED WITH THE M.R.G.C.D. ENGINEERING DEPARTMENT AND APPROPRIATE FIELD OFFICE. PHONE: (505) 247-0234.
2. NO WORK IS TO BE DONE ON FACILITIES OR STRUCTUES BELONGING TO, OR OPERATED BY THE M.R.G.C.D. BETWEEN MARCH 1 AND OCTOBER 31 INCLUSIVE. HOWEVER, WORK MAY BE PERMITTED BY THE M.R.G.C.D. IF IT CAN BE SHOWN THAT THE WORK WILL NOT INTERFERE WITH OPPERATIONS OF THE M.R.G.C.D. FACILITY. ALL WORK TO BE DONE WITHIN THE M.R.G.C.D. FACILITIES MUST BE APPROVED BY THE M.R.G.C.D. ENGINEERING PRIOR TO COMMENCING WORK.
3. THE CONTRACTOR SHALL NOT STORE EQUIPMENT, NEW MATERIALS, OR DEBRIS WITHIN DISTRICT RIGHT-OF-WAY WHICH MAY INTERFERE WITH OPERATIONS AND MAINTENANCE OF THE M.R.G.C.D. FACILITY.
4. THE CONTRACTOR SHALL NOT SERVICE VEHICLES OR EQUIPMENT WITHIN M.G.R.C.D. RIGHT-OF-WAY.
5. SEEDING OF DISTURBED AREAS WITHIN M.G.R.C.D. RIGHT-OF-WAY IS REQUIRED PER THE M.G.R.C.D. SEEDING SPECIFICATIONS.
6. THE CONTRACTOR MUST MAINTAIN A MINIMUM COVER OF 3' OVER ALL CULVERT CROSSINGS USED FOR ACCESS TO THE PROJECT SITE.
7. THE CONTRACTOR IS RESPOSIBLE FOR REPAIRING AND OR REPLACEMENT OF ANY STRUCTURES REMOVED AND OR DAMAGED DUE TO THE CONTRACTORS ACTIVITIES WITHIN THE DISTRICTS RIGHT-OF-WAY. SHOULD ANY TURNOUTS, CULVERT PIPES AND OR STRUCTURES REQUIRE REPLACEMENT DUE TO LEAKAGE AND OR DAMAGE BY THE CONTRACTOR, NEW TURNOUTS, AND NEW CULVERT PIPES AND OR NEW STRUCTURES SHALL REPLACE THE DAMAGED ITEM. REPAIRS AND OR REPLACEMENTS WITHIN THE DISTRICTS RIGHT-OF-WAY MUST COMPLY WITH THE DISTRICTS SPECIFICATIONS.
8. ALL DAMAGED CULVERT CROSSINGS AND CULVERT CROSSING REMOVED AND OR DISTRUBED MUST BE RESTORED AND / OR REPLACED TO THE SATISFACTION OF THE M.R.G.C.D. AND COMPLY WITH M.R.G.C.D. SPECIFICATIONS.
9. ALL SALVAGABLE CULVERTS, IRRIGATION GATES, ETC. MUST BE RETURNED TO THE M.R.G.C.D..
10. THE CONTRACTOR IS RESPONSIBLE FOR EXECUTING A "SPECIAL USE LICENSE AGREEMENT" WITH THE M.R.G.C.D. PRIOR TO CONSTRUCTION.

CIVIL LEGEND

Symbol	Description	Symbol	Description
39.42	FINISH GRADE		LIGHT POLE
	TEMPORARY BENCH MARK	GM	GAS METER
	CHAIN LINK FENCE	WM	WATER METER
	EXISTING CONTOURS		
5000	PROPOSED CONTOURS		
	DEMOLITION (TO BE REMOVED)		EXISTING SANITARY MANHOLE
	DRAINAGE SWALE		EXISTING STORM DRAIN MANHOLE
	PROPERTY LINE OR RIGHT-OF-WAY		NEW MANHOLE
	PROPOSED PIPE		FIRE HYDRANT
----SAS----	EXIST SANITARY SEWER		POWER POLE
----W-----	EXIST WATER LINE		ANCHOR
----G-----	EXIST GAS LINE	E	TREE (EVERGREEN)
---COM----	EXIST UNDERGROUND TELEPHONE		TREE (DECIDUOUS)
----UE-----	EXIST UNDERGROUND ELECTRIC	DI	DROP INLET
----SD-----	EXIST STORM SEWER		OVERHEAD POWER LINE
---CATV----	EXIST UNDERGROUND CABLE TELEVISION	S=0.005	PIPE SLOPE IN FT/FT
----FO-----	EXIST FIBER OPTIC		EDGE OF PAVEMENT
TC / FL	TOP OF CURB/FLOW LINE		EXISTING WATER LINE VALVE (GATE VALVE OR BUTTERFLY VALVE)
TW	TOP OF WALL		
TA	TOP OF ASPHALT		
CON / NG	CONCRETE/NATURAL GROUND		

RECORD DRAWINGS

Revisions Drawn by EJA Date 07/2007

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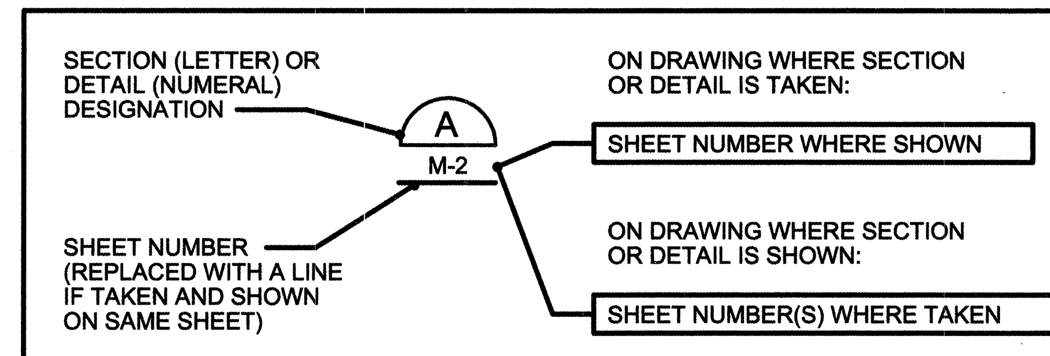
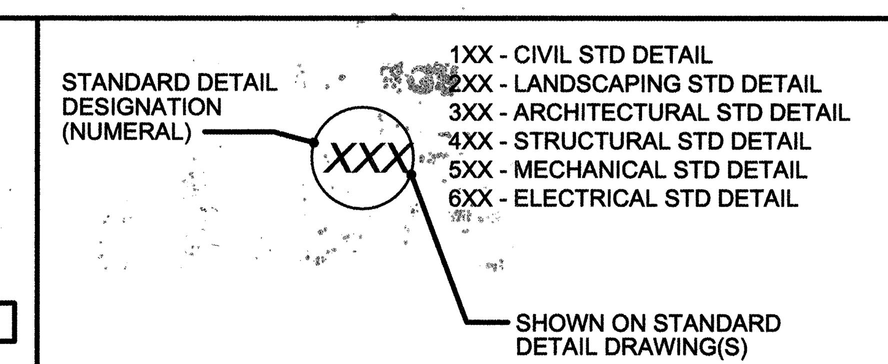
GENERAL CONSTRUCTION NOTES:

1. CITY OF ALBUQUERQUE SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS AMENDED THROUGH UPDATE NO. 7 DATED JULY 2003 AND AMENDMENT No.1 DATED AUGUST 2005, WILL BE REFERRED TO HEREIN AS THE "STANDARD SPECIFICATIONS".
2. REFERENCES MADE HEREIN TO CITY STD DWG REFER TO THE CURRENT STANDARD DETAIL DRAWINGS, AS SHOWN IN THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986, AS AMENDED THROUGH UPDATE NO. 7, DATED JULY 2003 AND AMENDMENT No. 1 DATED AUGUST 2005.
3. HORIZONTAL AND VERTICAL LOCATION, DIAMETER, AND MATERIAL OF EXISTING PIPING AND UTILITIES ARE APPROXIMATE AND SHALL BE VERIFIED BY CONTRACTOR.
4. CONTRACTOR SHALL MAKE NECESSARY PROVISIONS FOR THE DISPOSAL OF WATER TO BE DRAINED FROM EXISTING WATERLINES. CONTRACTOR SHALL PROVIDE SANITARY, TEMPORARY CAP ON EXISTING PIPELINES UNTIL READY TO MAKE FINAL CONNECTION. PRIOR TO THE START OF WORK THE CONTRACTOR SHALL SUBMIT PROPOSED METHODS AND PROCEDURES FOR DRAINING OF PIPELINES, INCLUDING DISPOSAL LOCATIONS, TO THE ENGINEER AND OWNER FOR REVIEW AND APPROVAL.
5. CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY. THIS SHALL BE ACHIEVED BY CONSTRUCTION OF TEMPORARY BERMS AT PROPERTY LINES AND/OR WETTING SOIL TO KEEP IT FROM BLOWING.
6. THE CONTRACTOR SHALL PROMPTLY CLEAN UP AND REMOVE FROM THE SITE ALL EXCAVATED MATERIAL SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED AWAY OR CREATE BLOWING DUST.
7. CONTRACTOR SHALL MAINTAIN DUST CONTROL AT ALL TIMES. PRIOR TO THE START OF WORK THE CONTRACTOR SHALL OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DEPARTMENT, AIR POLLUTION CONTROL DIVISION.
8. FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION, A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY THE BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION OR RIGHT-OF- WAY. SEE SECTION 19 OF THE STANDARD SPECIFICATIONS.
9. PERMANENT PAVEMENT STRIPING AND MARKINGS WILL BE PLACED BY THE CONTRACTOR. THE ROAD SHALL NOT BE OPENED TO TRAFFIC UNTILL IT IS STRIPED. ALL STRIPING, PAVEMENT MARKINGS INCLUDING CROSSWALKS, ARROWS AND LINE MARKINGS ARE TO BE CONSTRUCTED OF HOT PLASTIC OR COLD PLASTIC IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
10. CONTRACTOR SHALL REPLACE AND/OR RESTORE ALL PAVEMENT, CURBS, SIDEWALK, ROCK SURFACING, LANDSCAPING, AND OTHER SITE FIXTURES DAMAGED DIRECTLY OR INDIRECTLY BY CONTRACTOR TO SAME LOCATION AND IN KIND AS EXISTING OR AS SHOWN IN THIS PLANSET.
11. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR OWNER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
12. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL CONTACT THE NEW MEXICO ONE CALL SYSTEM (260-1990) AND DETERMINE LOCATION OF EXISTING UTILITIES.
13. CONTRACTOR SHALL NOT OPERATE VALVES OR ISOLATE ANY PORTION OF THE WATER DISTRIBUTION, COLLECTOR, OR TRANSMISSION SYSTEM. SEVEN (7) WORKING DAYS PRIOR TO ANY WORK ON THE EXISTING PUBLIC WATER UTILITIES, THE CONTRACTOR SHALL CONTACT THE WATER UTILITY DIVISION AND SUBMIT A PERMIT FOR A WATER SHUT-OFF OR TURN-ON. SEE SECTION 18 OF THE "STANDARD SPECIFICATIONS".
14. ALL UTILITIES SHOWN AND ANY OTHER UTILITIES THAT ARE NOT SHOWN ON THE PLANS BUT ARE WITHIN THE CONSTRUCTION AREA SHALL BE LOCATED, IDENTIFIED, AND PROTECTED AT ALL TIMES DURING CONSTRUCTION BY THE CONTRACTOR. SERVICE LATERALS ARE NOT SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL LATERALS AND SHALL REINSTALL, REPAIR, OR REPLACE LATERALS AS NECESSARY FOR PIPELINE INSTALLATION. REPLACEMENT OF ALL SERVICE LATERALS REQUIRED FOR THIS CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS".
15. THE CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
16. THE CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
17. CONTRACTOR SHALL PROVIDE AND INSTALL SHEETING, SHORING, TRENCH BOX, OR OTHER MEANS NECESSARY TO LIMIT THE TRENCH WIDTH TO WITHIN THE LIMITS SHOWN ON THE PLANS.
18. CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK TO CONSTRUCT THE FACILITIES SHOWN ON THE DRAWINGS. ALL TRENCHING, EXCAVATION, AND SHORING ACTIVITIES SHALL BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
19. FOR STORM DRAIN CONSTRUCTION, RCP PIPE JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.
20. ELECTRONIC MARKER DISKS (EMD) WILL BE PLACED ACCORDING TO SECTION 170 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #7.
21. THE CONTRACTOR WILL BE RESPONSIBLE FOR DISPOSING OF ALL DEBRIS, INCLUDING, NOT LIMITED TO HAZARDOUS WASTE AT DISPOSAL SITES APPROVED BY GOVERNMENTAL AGENCIES REGULATING THE DISPOSAL OF SUCH MATERIALS.
22. ALL WATER VALVE BOXES AND MANHOLES IN THE STREET CONSTRUCTION ARE TO BE ADJUSTED TO FINISH GRADE AND WILL BE MEASURED AND PAID PER EACH.
23. CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNING UNTIL PROJECT HAS BEEN ACCEPED BY THE CITY.



DETAIL AND SECTION DESIGNATION



STANDARD DETAIL DESIGNATION

CENTERLINE OF SURVEY NOTES:

1. ALL BEARINGS AND DISTANCES SHOWN ON THE DRAWINGS ARE BASED ON NEW MEXICO STATE PLANE COORDINATE SYSTEM CENTRAL ZONE:
   HORIZONTAL DATUM: NAD 27
   VERTICAL DATUM: SLD 29
   GROUND TO GRID SCALE FACTOR: 0.9996813
2. CENTERLINE SURVEY BEARINGS AND DISTANCES SHOWN ON THE DRAWINGS ARE MEASURED FROM POINT OF INTERSECTION TO POINT OF INTERSECTION.

AS BUILT INFORMATION
CONTRACTOR N.M.U.C. INC.
WORK STAKED BY TERRA LAND SUR. DATE 04/07
INSPECTOR'S ACCEPTANCE BY CH2MHILL DATE 08/07
FIELD VERIFICATION BY CH2MHILL DATE 08/07
DRAWINGS CORRECTED BY CH2MHILL DATE 08/07
MICRO FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
MICHAEL A. BREWER, NEW MEXICO, 16220, REGISTERED PROFESSIONAL ENGINEER
9/20/06

NO.	DATE	REVISIONS	REMARKS	BY

DESIGN		
DESIGNED BY	EKH	DATE 05/11/2005
DRAWN BY	EJA	DATE 06/03/2005
CHECKED BY	MAB	DATE 04/29/2006

CH2MHILL
6001 Indian School Rd, N.E., SUITE 350
Albuquerque, New Mexico 87110
(505) 884-5600

Albuquerque Bernalillo County
Water Utility Authority

TITLE: DURANES WELLS 2, 3 AND 6 WASHLINE MODIFICATIONS
GENERAL ABBREVIATIONS LEGEND & NOTES

Design Review Committee: APPROVED SEP 26 2006 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED SEP 26 2006 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

CITY PROJECT NO. 7279-03 | Zone Map No - | SHEET 2 OF 16 DRAWING NO. 0-G-2

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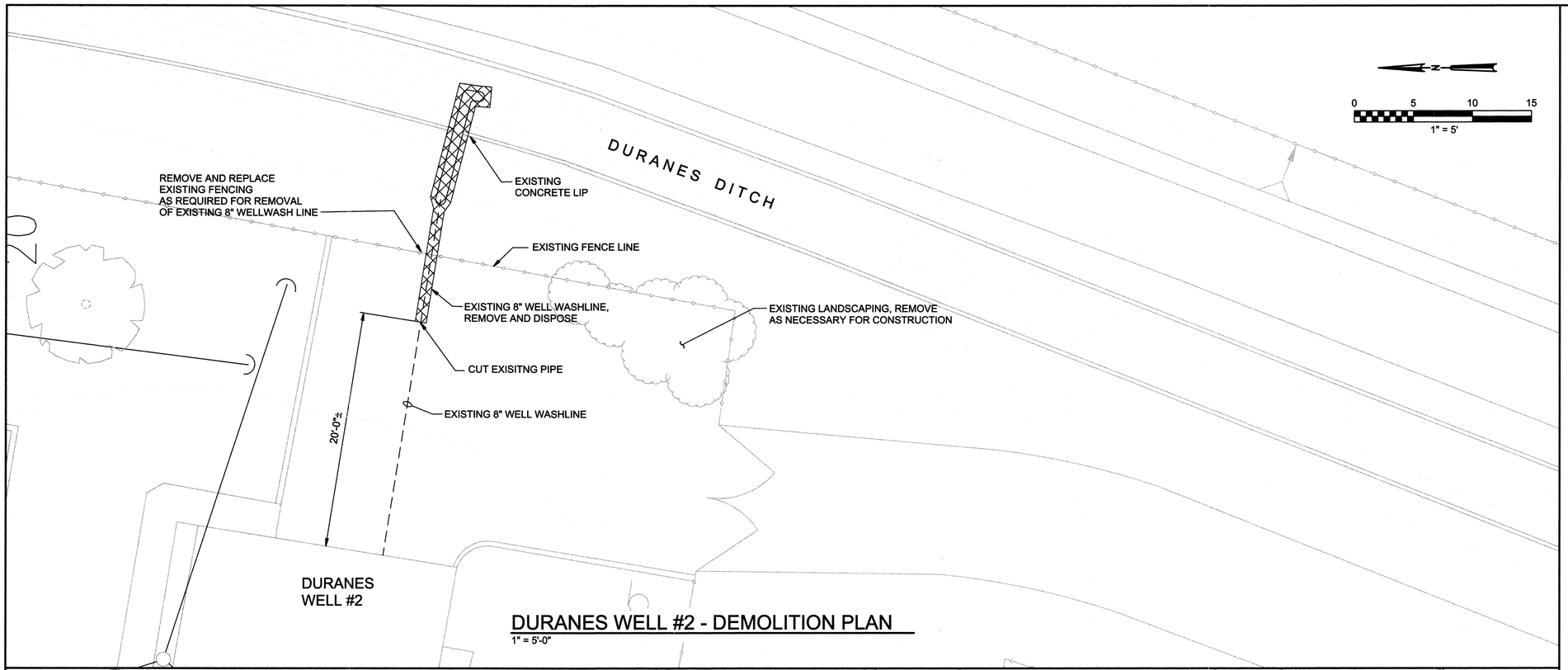
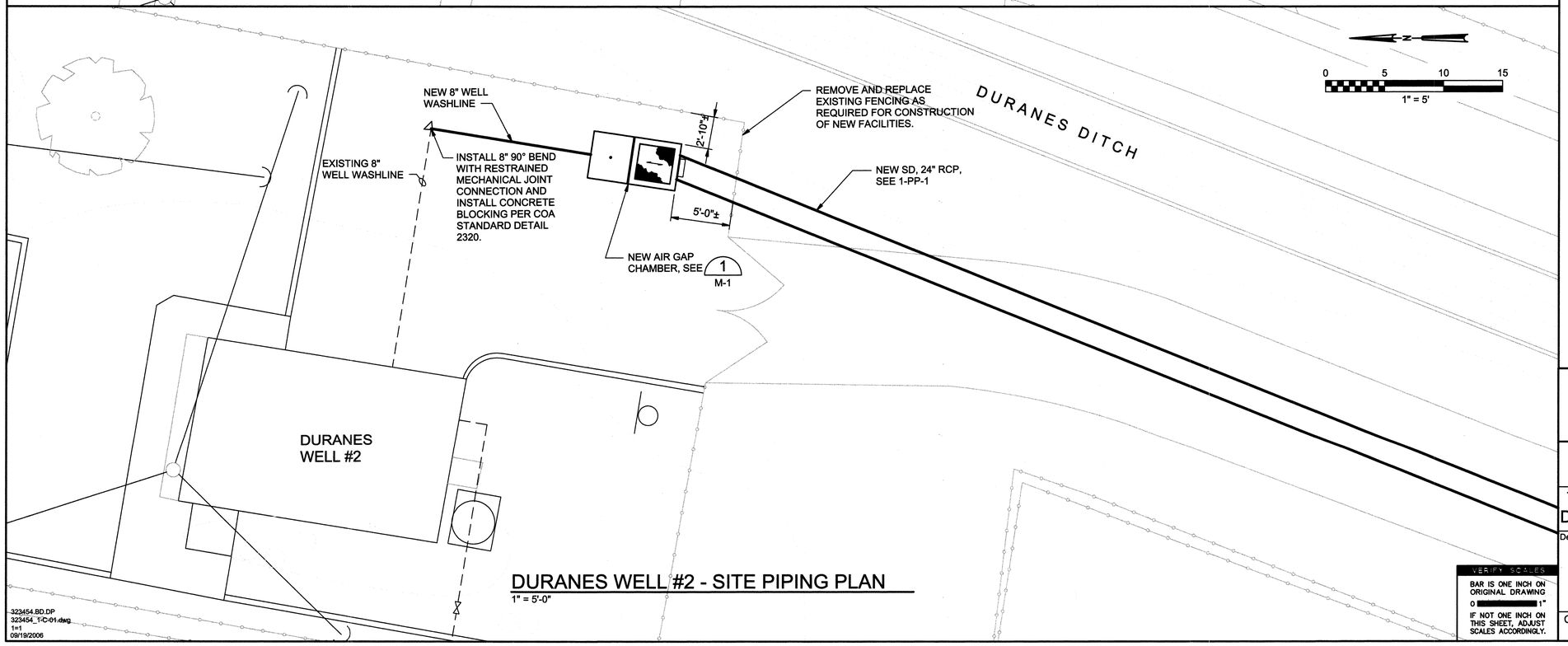
09/19/2006



DURANES WELL #2 - DEMOLITION PLAN

1" = 5'-0"



DURANES WELL #2 - SITE PIPING PLAN

1" = 5'-0"

323454.BD.DP
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1=1
09/19/2006

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

CONSTRUCTION NOTES:

A. REPLACE ALL FENCING, LANDSCAPING, AND OTHER OBJECTS DISTURBED DURING CONSTRUCTION.

B. LANDSCAPING IRRIGATION IS PRESENT IN THE AREA OF CONSTRUCTION. REPAIR AND/OR REPLACE IRRIGATION IF DAMAGED DURING CONSTRUCTION.

C. ALL WORK PERFORMED WITHIN THE MIDDLE RIO GRANDE CONSERVANCY DISTRICT (M.R.G.C.D.) RIGHT-OF-WAY SHALL COMPLY WITH THE M.R.G.C.D. GENERAL CONSTRUCTION NOTES ON THE GENERAL ABBREVIATIONS LEGENDS & NOTES SHEET 2 OF 18.

THIS SHEET SUPERSEDED BY SIMILAR SHEET MARKED "RECORD DRAWING"

AS BUILT INFORMATION

CONTRACTOR: NEW MEXICO UNDERGROUND CONTRACTORS, INC.
WORK STAKED BY: FERRAL LAND SURVEYS LLC. DATE 04/20/2007
WORK INSPECTED & ACCEPTANCE BY: CH2MHILL DATE 08/20/2007
FIELD VERIFICATION BY: CH2MHILL DATE 08/20/2007
DRAWINGS CORRECTED BY: CH2MHILL DATE 08/20/2007
MICRO FILM INFORMATION
RECORDED BY: DATE
NO.

BENCH MARKS

BM#1 LOCATED AT THE INTERSECTION OF RIO GRANDE BLVD. N.W. AND MATTHEW AVE. N.W.
STATION IS AN ACS BRASS TABLET, STAMPED "3-G12".
X=373,008.3079 Y=1,499,083.8586 EL.=4,963.29.
BM#2 LOCATED NEAR THE END OF THE CUL-DE-SAC ON SHERIDAN ST. STATION IS USC&GS BRASS TABLET STAMPED "998-C,NO. 1, ALBUQUERQUE DISTRICT, 1950"
X=371,825.0808 Y=1,499,849.6127 EL.=4,967.32
HORIZ: NAD 27, VERT: SLD 29

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

MICHAEL A. BREMER
NEW MEXICO
14220
REGISTERED PROFESSIONAL ENGINEER
9/26/06

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

		DATE
DESIGNED BY	EKH	05/11/2005
DRAWN BY	EJA	06/03/2005
CHECKED BY	MAB	04/29/2006

CH2MHILL
6001 Indian School Rd, N.E., SUITE 350
Albuquerque, New Mexico 87110
(505) 884-5600

Albuquerque Bernalillo County
Water Utility Authority

TITLE: DURANES WELLS 2, 3 AND 6 WASHLINE MODIFICATIONS

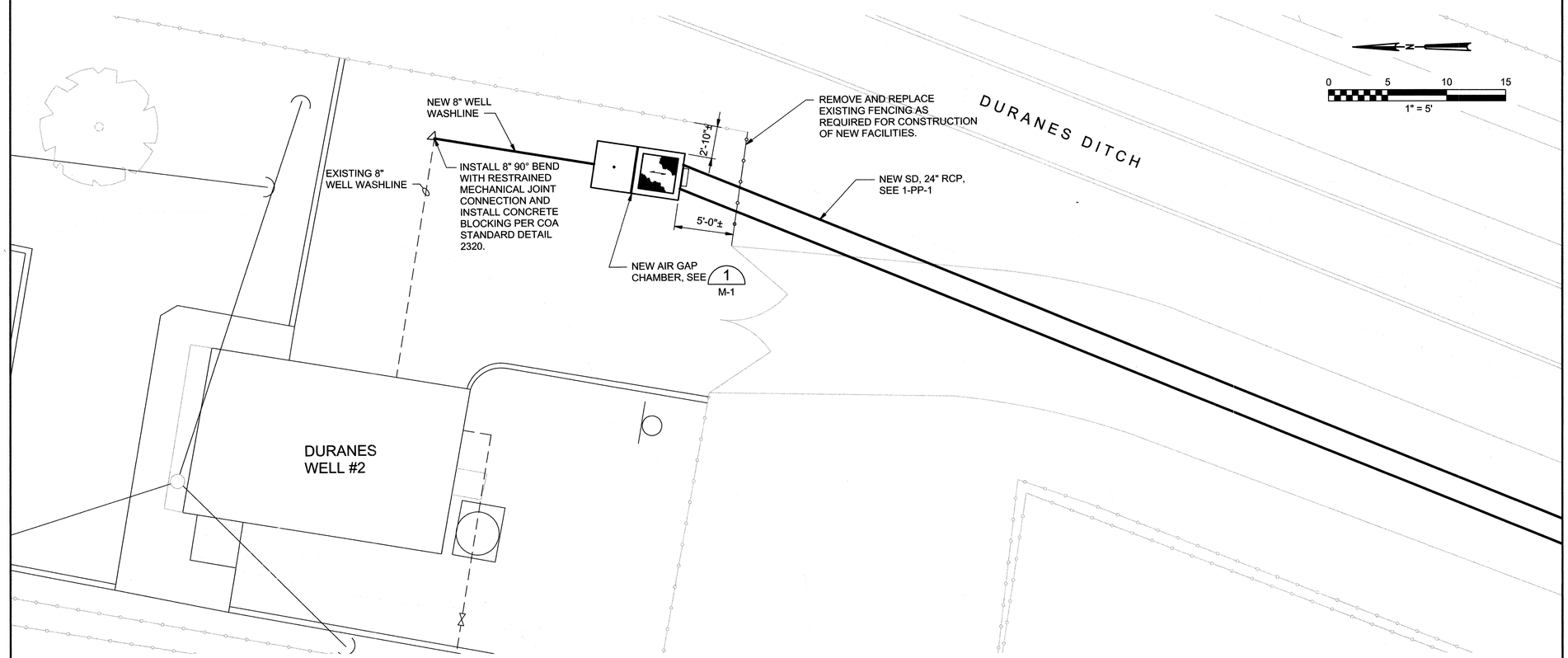
DURANES WELL #2 SITE PIPING / DEMOLITION PLAN

Design Review Committee: APPROVED SEP 26 2006 DESIGN REVIEW COMMITTEE

City Engineer Approval: APPROVED SEP 26 2006 CITY ENGINEER

Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

CITY PROJECT NO.	Zone Map No.	SHEET 3 OF 16
7279-03	G-12	DRAWING NO. 1-C-1



DURANES WELL #2 - SITE PIPING PLAN

1" = 5'-0"

CONSTRUCTION NOTES:

A. REPLACE ALL FENCING, LANDSCAPING, AND OTHER OBJECTS DISTURBED DURING CONSTRUCTION.

B. LANDSCAPING IRRIGATION IS PRESENT IN THE AREA OF CONSTRUCTION. REPAIR AND/OR REPLACE IRRIGATION IF DAMAGED DURING CONSTRUCTION.

C. ALL WORK PERFORMED WITHIN THE MIDDLE RIO GRANDE CONSERVANCY DISTRICT (M.R.G.C.D.) RIGHT-OF-WAY SHALL COMPLY WITH THE M.R.G.C.D. GENERAL CONSTRUCTION NOTES ON THE GENERAL ABBREVIATIONS LEGENDS & NOTES SHEET 2 OF 18.

AS BUILT INFORMATION

CONTRACTOR	NEW MEXICO UNDERGROUND CONTRACTORS INC.	
WORK STAKED BY	TERRA LAND SURVEYS LLC.	DATE 04/20/2007
WORK CONFORMANCE ACCEPTANCE BY	CH2MHILL	DATE 08/20/2007
FIELD VERIFICATION BY	CH2MHILL	DATE 08/20/2007
DRAWINGS CORRECTED BY	CH2MHILL	DATE 08/20/2007
RECORDED BY	MICRO FILM INFORMATION	
DATE		
NO.		

BENCH MARKS

BM#1 LOCATED AT THE INTERSECTION OF RIO GRANDE BLVD. N.W. AND MATTHEW AVE. N.W. STATION IS AN ACS BRASS TABLET, STAMPED "3-G12". X=373,008.3079 Y=1,499,083.8586 EL.=4,963.29.

BM#2 LOCATED NEAR THE END OF THE CUL-DE-SAC ON SHERIDAN ST. STATION IS USC&GS BRASS TABLET STAMPED "898-C,NO. 1, ALBUQUERQUE DISTRICT, 1950". X=371,825.0808 Y=1,499,849.6127 EL.=4,967.32

HORIZ.: NAD 27, VERT.: SLD 29

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

THESE DRAWINGS WERE MODIFIED USING AUTOCAD AND REPLOTTED FOR RECORD PURPOSES AND THEREFORE DO NOT HAVE THE ENGINEER'S STAMP OR OTHER SIGNATURES THAT APPEAR ON THE ORIGINAL CONTRACT DRAWINGS.

RECORD DRAWINGS

Revisions Drawn by EJA Date 07/2007

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE RECORD DRAWINGS.

NO.	DATE	REVISIONS REMARKS	BY

		DATE
DESIGN		
DESIGNED BY	EKH	05/11/2005
DRAWN BY	EJA	06/03/2005
CHECKED BY	MAB	04/29/2006

CH2MHILL
6001 Indian School Rd, N.E., SUITE 350
Albuquerque, New Mexico 87110
(505) 884-5600

Albuquerque Bernalillo County
Water Utility Authority

TITLE: DURANES WELLS 2, 3 AND 6 WASHLINE MODIFICATIONS

DURANES WELL #2 SITE PIPING / DEMOLITION PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

CITY PROJECT NO.	Zone Map No.	SHEET	OF
7279-03	G-12	3	16
		DRAWING NO.	1-C-1

VERIFY SCALES

BAR IS ONE INCH ON ORIGINAL DRAWING

0 1"

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

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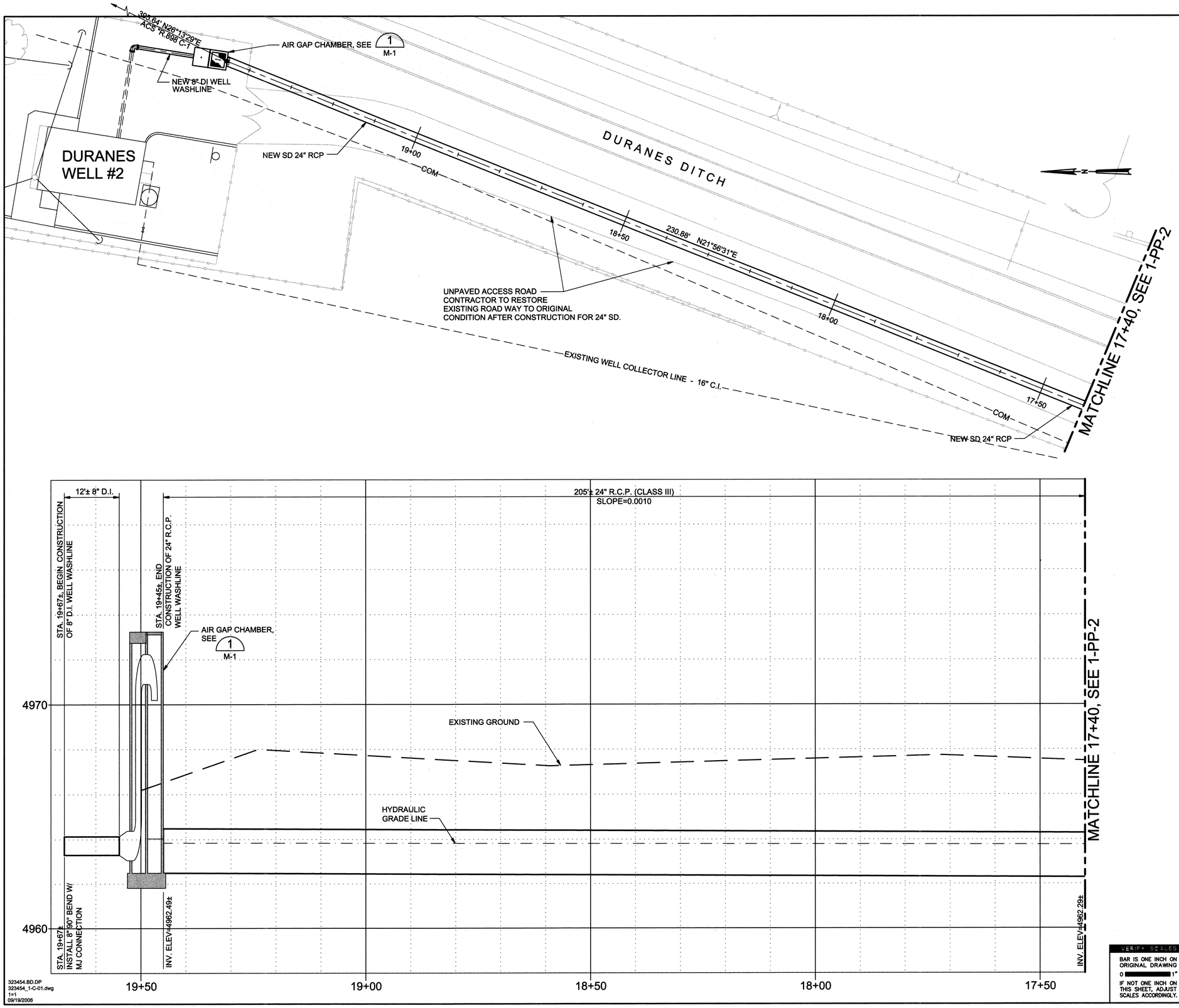
06/06/2007



323454.BD.DP
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1=1
09/19/2006

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

RECORD DRAWINGS

Revisions Drawn by EJA Date 07/2007

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SCALE: HORIZONTAL: 1"=10'
VERTICAL 1"=2'

CH2MHILL
6001 Indian School Rd, N.E., SUITE 350
Albuquerque, New Mexico 87110
(505) 884-5600

Albuquerque Bernalillo County
Water Utility Authority

TITLE: DURANES WELLS 2, 3 AND 6 WASHLINE MODIFICATIONS
DURANES WELL #2 WASHLINE - STA. 17+40 TO STA. 19+67

Design Review Committee: APPROVED SEP 26 2006 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED SEP 26 2006 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

CITY PROJECT NO. 7279-03 | Zone Map No. G-12 | SHEET 4 OF 16 | DRAWING NO. 1-PP-1

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY EKH DATE 05/11/2005
DRAWN BY EJA DATE 06/03/2005
CHECKED BY MAB DATE 04/29/2006

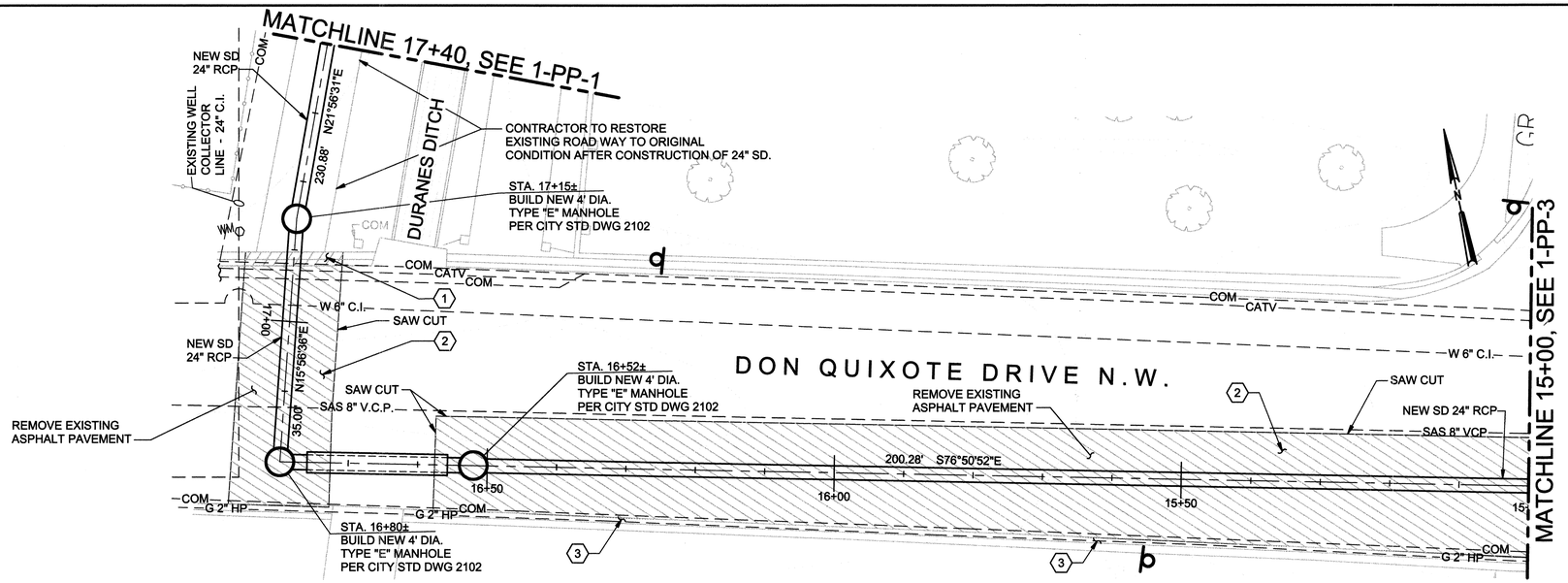
ENGINEER'S SEAL
MICHAEL A. BREWER NEW MEXICO 14280 REGISTERED PROFESSIONAL ENGINEER
9/19/06

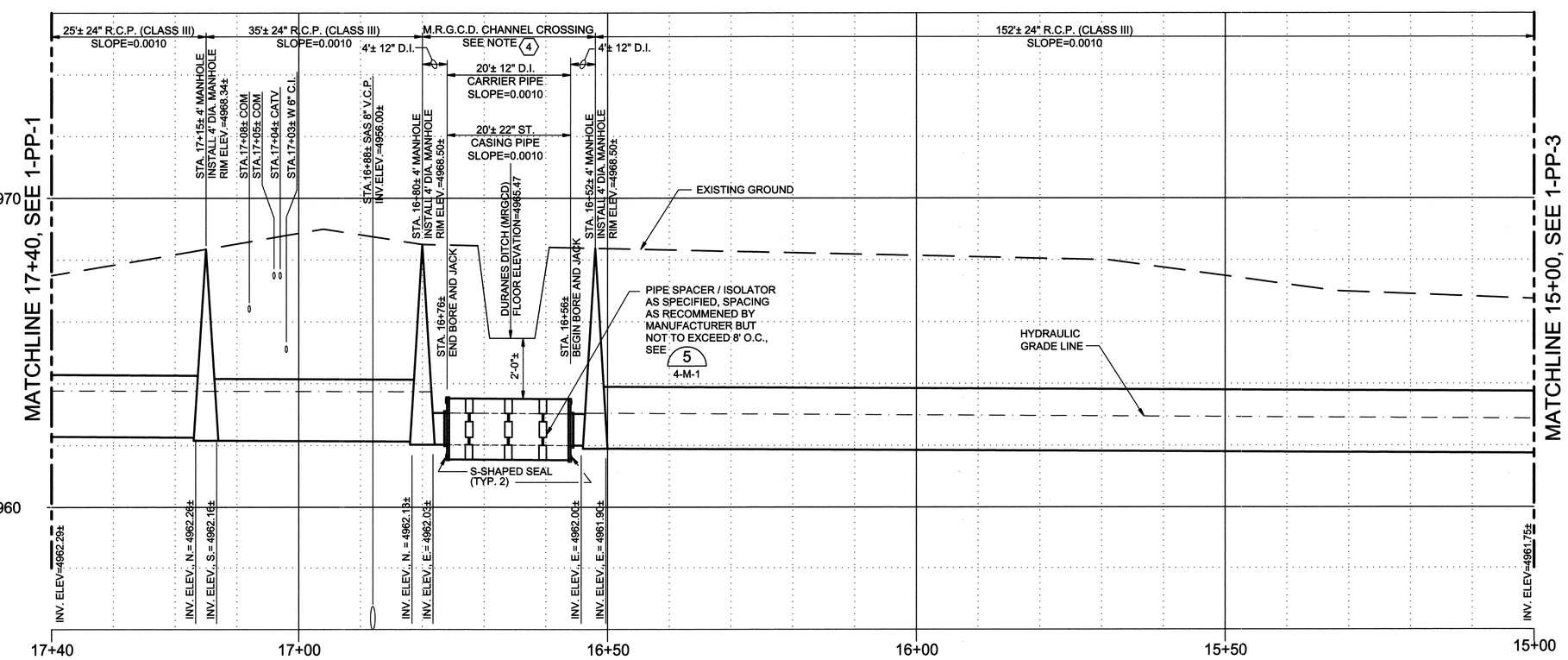
SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
BM#1 LOCATED AT THE INTERSECTION OF RIO GRANDE BLVD. N.W. AND MATTHEW AVE. N.W. STATION IS AN ACS BRASS TABLET, STAMPED "3-G12". X=373,008.3079 Y=1,499,083.8586 EL.=4,963.29.
BM#2 LOCATED NEAR THE END OF THE CUL-DE-SAC ON SHERIDAN ST. STATION IS USC&GS BRASS TABLET STAMPED "898-C,NO. 1, ALBUQUERQUE DISTRICT, 1950" X=371,825.0808 Y=1,499,849.6127 EL.=4,967.32
HORIZ.: NAD 27, VERT.: SLD 29

AS BUILT INFORMATION
CONTRACTOR: NEW MEXICO UNDERGROUND CONTRACTORS, INC.
WORK STAKED BY: TERRA LAND SURVEYS LLC. DATE 04/2007
WORK INSPECTED FOR ACCEPTANCE BY: CH2MHILL DATE 08/2007
FIELD VERIFICATION BY: CH2MHILL DATE 08/2007
DRAWINGS CORRECTED BY: CH2MHILL DATE 08/2007
MICRO FILM INFORMATION
RECORDED BY: DATE
NO.





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1=1
09/16/2006

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

KEYED NOTES

1. REMOVE AND REPLACE MOUNTABLE CURB AND GUTTER TO MATCH EXISTING, PER COA STD DWG 2415.
2. REMOVE AND REPLACE ASPHALT PAVEMENT PER COA STD DWG 2465. PAVEMENT CUTS MUST BE ORTHOGONAL TO FLOW OF TRAFFIC.
3. EXISTING MOUNTABLE CURB AND GUTTER TO REMAIN.
4. ALL WORK PERFORMED WITHIN THE MIDDLE RIO GRANDE CONSERVANCY DISTRICT (M.R.G.C.D.) RIGHT-OF-WAY SHALL COMPLY WITH THE M.R.G.C.D. GENERAL CONSTRUCTION NOTES ON THE GENERAL ABBREVIATIONS LEGENDS & NOTES SHEET 2 OF 18.

AS BUILT INFORMATION

CONTRACTOR:	NEW MEXICO UNDERGROUND CONTRACTORS, INC.
WORK STAKED BY:	TIERRA LAND SURVEYS LLC. DATE: 04/2007
WORK CHECKED & ACCEPTANCE BY:	CH2MHILL DATE: 08/2007
FIELD VERIFICATION BY:	CH2MHILL DATE: 08/2007
DRAWINGS CORRECTED BY:	CH2MHILL DATE: 08/2007
MICRO FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS

BM#1 LOCATED AT THE INTERSECTION OF RIO GRANDE BLVD. N.W. AND MATTHEW AVE. N.W.
STATION IS AN ACS BRASS TABLET, STAMPED "3-G12"
X=373,008.3079 Y=1,499,083.8586 EL.=4,963.29.
BM#2 LOCATED NEAR THE END OF THE CUL-DE-SAC ON SHERIDAN ST. STATION IS USC&GS BRASS TABLET STAMPED "898-C,NO. 1, ALBUQUERQUE DISTRICT, 1950"
X=371,825.0908 Y=1,499,849.6127 EL.=4,967.32
HORIZ.: NAD 27, VERT: SLD 29

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

MICHAEL A. BREWER, NEW MEXICO, 14225, REGISTERED PROFESSIONAL ENGINEER
9/26/06

RECORD DRAWINGS
Revisions Drawn by EJA Date 5/2007
THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE RECORD DRAWINGS.

NO.	DATE	REMARKS	BY

REVISIONS
DESIGN
DESIGNED BY EKH DATE 05/11/2005
DRAWN BY EJA DATE 06/03/2005
CHECKED BY MAB DATE 04/29/2006

SCALE: HORIZONTAL: 1"=10'
VERTICAL 1"=2'

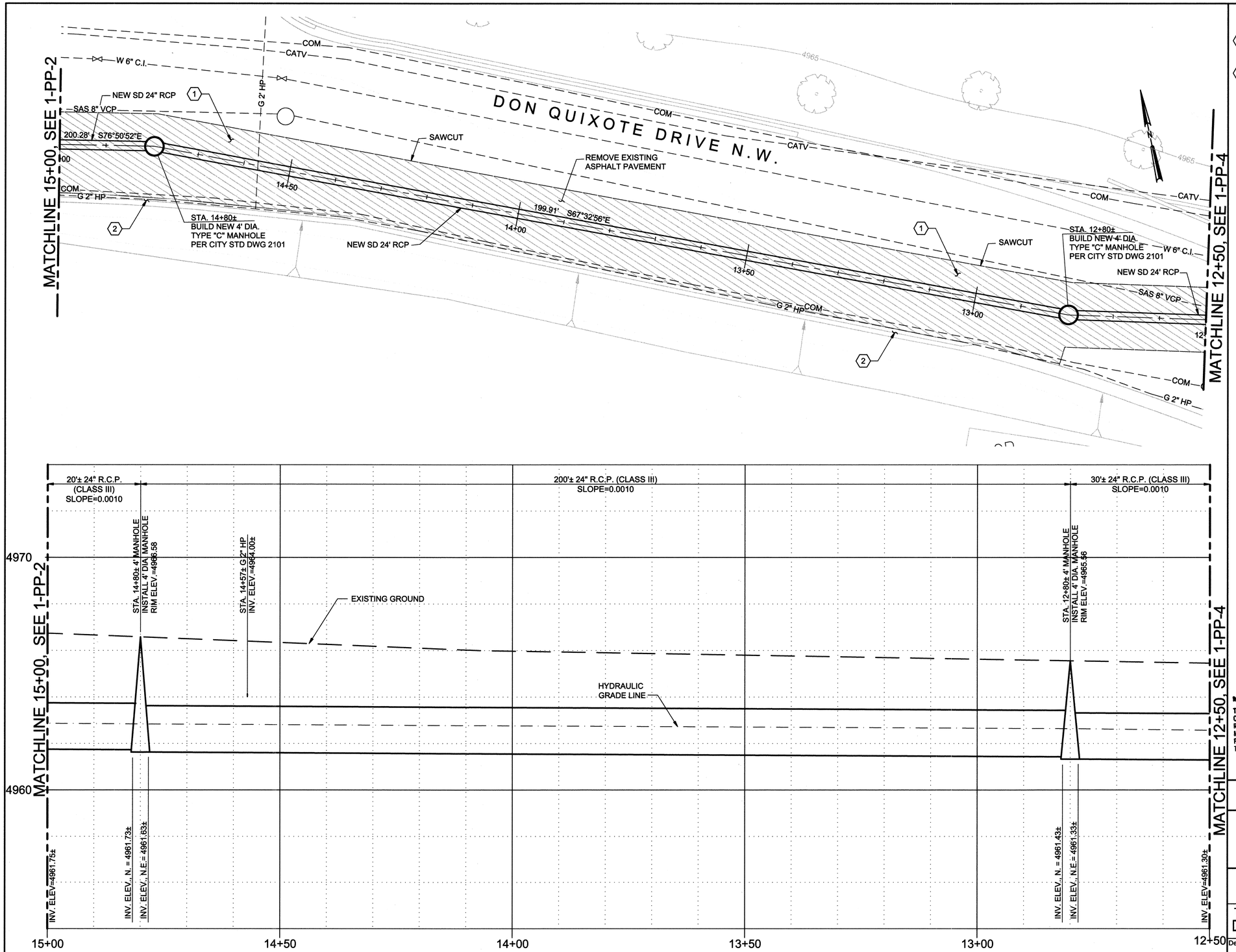
CH2MHILL
6001 Indian School Rd, N.E., SUITE 350
Albuquerque, New Mexico 87110
(505) 884-5600

Albuquerque Bernalillo County
Water Utility Authority

TITLE: DURANES WELLS 2, 3 AND 6 WASHLINE MODIFICATIONS
DURANES WELL #2 WASHLINE - STA. 15+00 TO STA. 17+40

Design Review Committee: APPROVED SEP 26 2006 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED SEP 26 2006 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

CITY PROJECT NO. 7279-03
Zone Map No. G-12
SHEET 5 OF 16
DRAWING NO. 1-PP-2



KEYED NOTES

1. REMOVE AND REPLACE ASPHALT PAVEMENT PER COA STD DWG 2465. PAVEMENT CUTS MUST BE ORTHOGONAL TO FLOW OF TRAFFIC.
2. EXISTING MOUNTABLE CURB AND GUTTER TO REMAIN.

AS BUILT INFORMATION

CONTRACTOR: NEW MEXICO UNDERGROUND CONTRACTORS INC. DATE
WORK STAKED BY: TERRA LAND SURVEYS LLC. DATE 04/2007
INSPECTOR'S ACCEPTANCE BY: CH2MHILL DATE 08/2007
FIELD VERIFICATION BY: CH2MHILL DATE 08/2007
DRAWINGS CORRECTED BY: CH2MHILL DATE 08/2007
MICRO FILM INFORMATION
RECORDED BY: DATE
NO.

BENCH MARKS

BM#1 LOCATED AT THE INTERSECTION OF RIO GRANDE BLVD. N.W. AND MATTHEW AVE. N.W. STATION IS AN ACS BRASS TABLET, STAMPED "3-G12". X=373,008.3079 Y=1,499,083.8586 EL.=4,963.29.
BM#2 LOCATED NEAR THE END OF THE CUL-DE-SAC ON SHERIDAN ST. STATION IS USC&GS BRASS TABLET STAMPED "698-C,NO. 1, ALBUQUERQUE DISTRICT, 1950" X=371,825.0808 Y=1,499,849.6127 EL.=4,967.32
HORIZ: NAD 27, VERT: SLD 29

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

MICHAEL A. BRENER NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 14228 9/26/06

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

		DATE
DESIGNED BY	EKH	05/11/2005
DRAWN BY	EJA	06/03/2005
CHECKED BY	MAB	04/29/2006

RECORD DRAWINGS

Revisions Drawn by EJA Date 07/2007

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SCALE: HORIZONTAL: 1"=10'
VERTICAL 1"=2'

CH2MHILL
6001 Indian School Rd, N.E., SUITE 350
Albuquerque, New Mexico 87110
(505) 884-5600

Albuquerque Bernalillo County
Water Utility Authority

TITLE: DURANES WELLS 2, 3 AND 6 WASHLINE MODIFICATIONS

DURANES WELL #2 WASHLINE - STA. 12+50 TO STA. 15+00

Design Review Committee: APPROVED SEP 26 2006 DESIGN REVIEW COMMITTEE

City Engineer Approval: APPROVED SEP 26 2006 CITY ENGINEER

Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

CITY PROJECT NO. 7279-03 | Zone Map No. G-12 | SHEET 6 OF 16 | DRAWING NO. 1-PP-3

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
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IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

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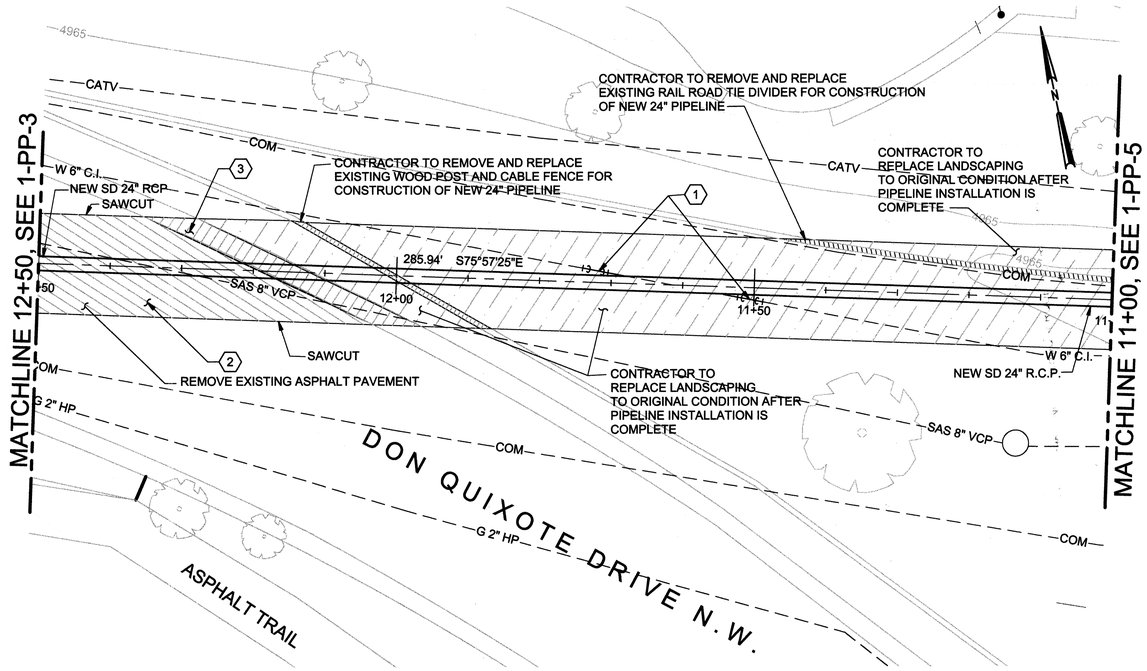
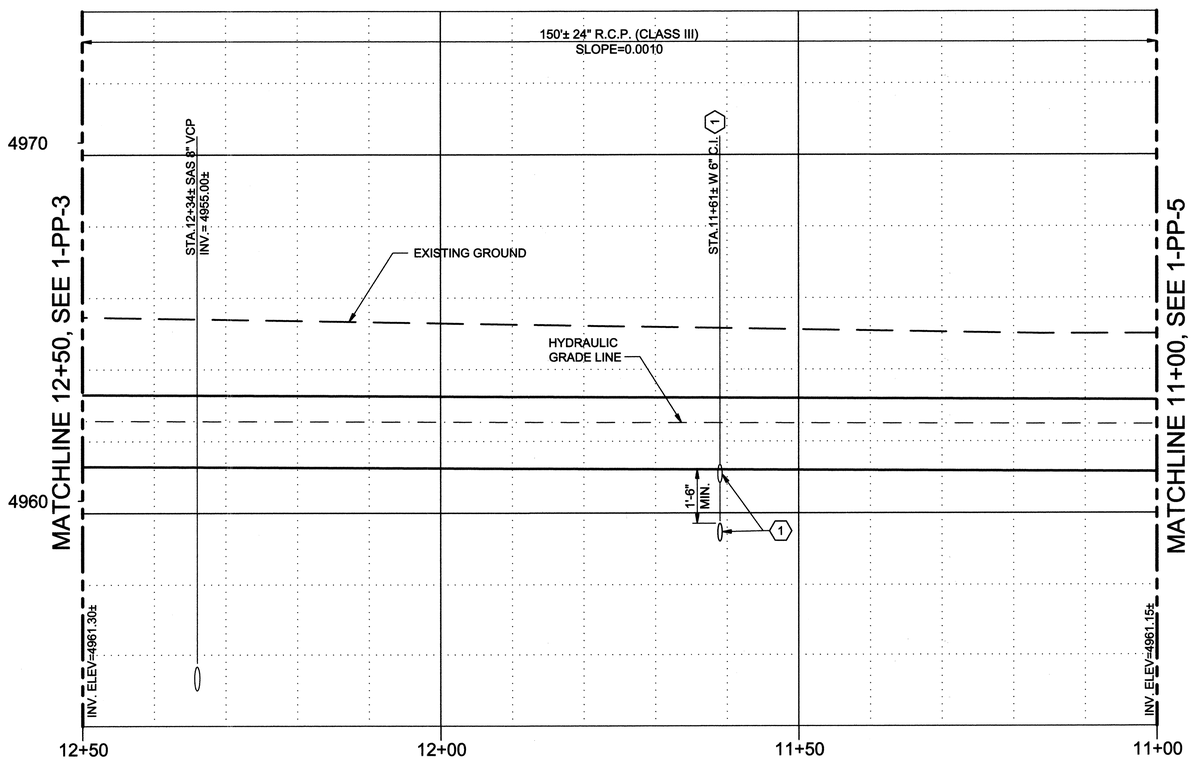
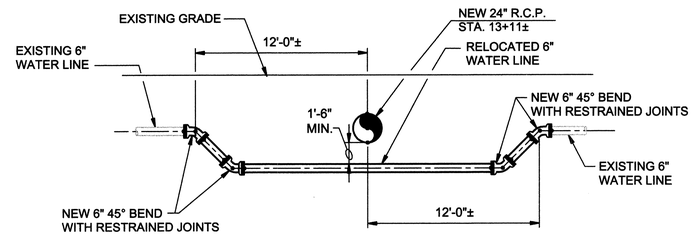
09/16/2006





KEYED NOTES

1. LOWER EXISTING 6" WATER LINE, SEE 1
2. REMOVE AND REPLACE ASPHALT PAVEMENT PER COA STD DWG 2465. PAVEMENT CUTS MUST BE ORTHOGONAL TO FLOW OF TRAFFIC.
3. REPLACE MOUNTABLE CURB AND GUTTER TO MATCH EXISTING, PER COA STD DWG 2415.



DETAIL 1
1"=5'-0"

RECORD DRAWINGS

Revisions Drawn by EJA Date 07/2005

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SCALE: HORIZONTAL: 1"=10'
VERTICAL 1"=2'

CH2MHILL
6001 Indian School Rd, N.E., SUITE 350
Albuquerque, New Mexico 87110
(505) 884-5600

Albuquerque Bernalillo County
Water Utility Authority

TITLE: DURANES WELLS 2, 3 AND 6 WASHLINE MODIFICATIONS

DURANES WELL #2 WASHLINE - STA. 11+00 TO STA. 12+50

Design Review Committee: APPROVED SEP 26 2006 DESIGN REVIEW COMMITTEE

City Engineer Approval: APPROVED SEP 26 2006 CITY ENGINEER

Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

CITY PROJECT NO. 7279-03 | Zone Map No. G-12 | SHEET 7 OF 16 | DRAWING NO. 1-PP-4

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

AS BUILT INFORMATION
CONTRACTOR: NEW MEXICO UNDERGROUND CONTRACTORS, INC.
WORK STAKED BY: TERRA LAND SURVEYS LLC. DATE: 04/2007
WORK INSPECTED & ACCEPT'ANCE BY: CH2MHILL DATE: 08/2007
FIELD VERIFICATION BY: CH2MHILL DATE: 08/2007
DRAWINGS CORRECTED BY: CH2MHILL DATE: 08/2007
MICRO FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
BM#1 LOCATED AT THE INTERSECTION OF RIO GRANDE BLVD. N.W. AND MATTHEW AVE. N.W. STATION IS AN ACS BRASS TABLET, STAMPED "3-G12" X=373,008.3079 Y=1,499,083.8586 EL.=4,963.29.
BM#2 LOCATED NEAR THE END OF THE CUL-DE-SAC ON SHERIDAN ST. STATION IS USC&GS BRASS TABLET STAMPED "898-C,NO. 1, ALBUQUERQUE DISTRICT, 1950" X=371,825.0808 Y=1,499,849.6127 EL.=4,967.32
HORIZ.: NAD 27, VERT.: SLD 29

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
MICHAEL A. BREWER NEW MEXICO 14828 REGISTERED PROFESSIONAL ENGINEER
9/26/06

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY EKH DATE 05/11/2005
DRAWN BY EJA DATE 06/03/2005
CHECKED BY MAB DATE 04/29/2006

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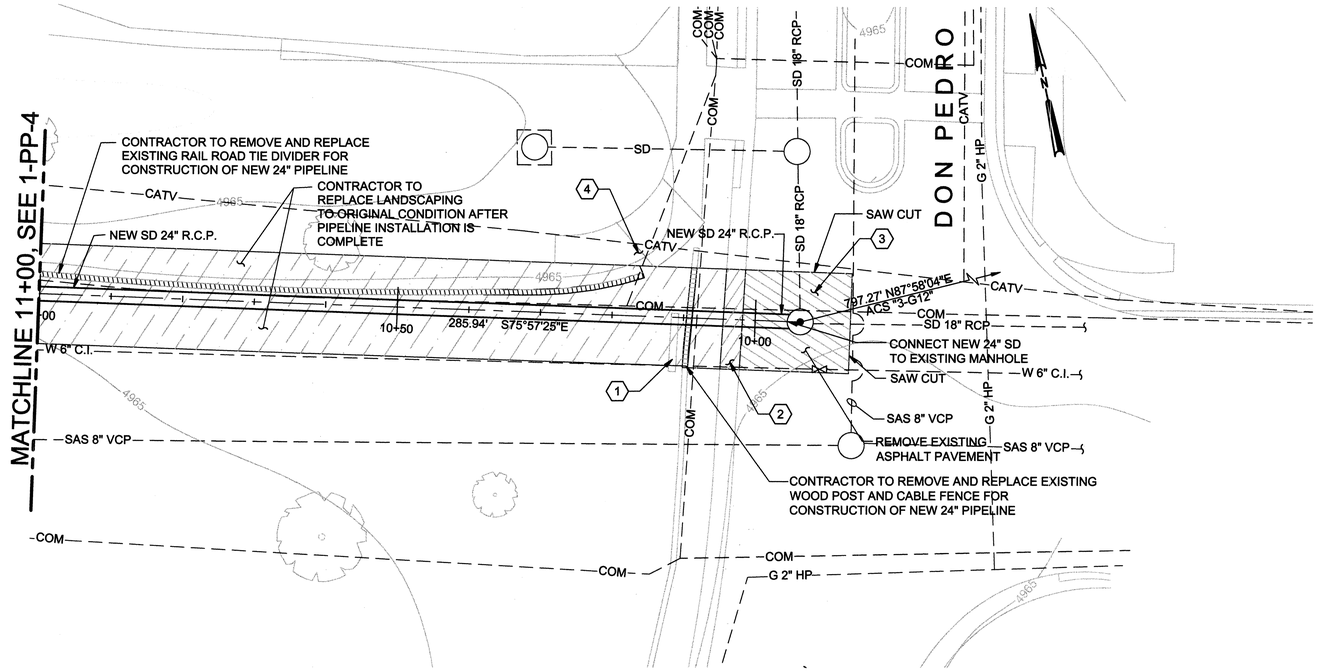
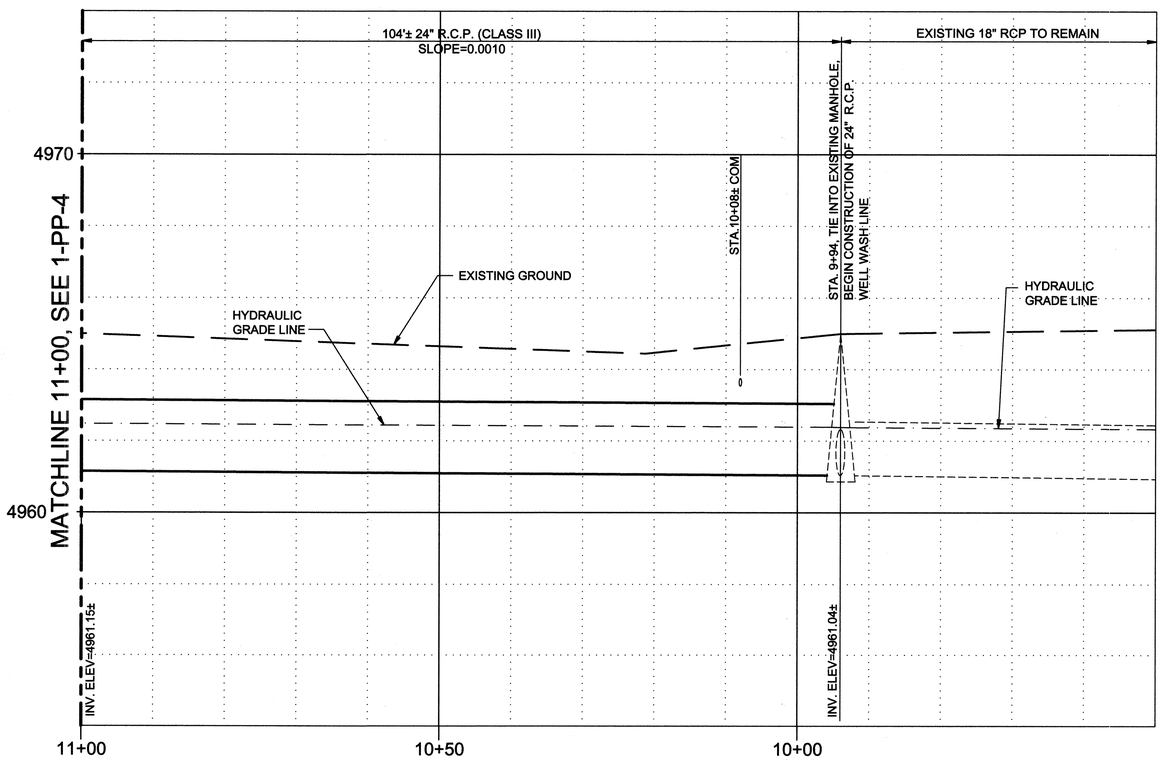
09/19/2006





KEYED NOTES

1. REMOVE, SALVAGE, AND REPLACE WOODEN "THOMAS VILLAGE" SIGN IN AS GOOD OR BETTER CONDITION THAN EXISTING.
2. REPLACE MOUNTABLE CURB AND GUTTER TO MATCH EXISTING, PER COA STD DWG 2415.
3. REMOVE AND REPLACE ASPHALT PAVEMENT PER COA STD DWG 2465. PAVEMENT CUTS MUST BE ORTHOGONAL TO FLOW OF TRAFFIC.
4. PROTECT CONCRETE SIDEWALK DURING CONSTRUCTION.

RECORD DRAWINGS

Revisions Drawn by EJA Date 07/2007

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SCALE: HORIZONTAL: 1"=10'
VERTICAL 1"=2'

CH2MHILL
6001 Indian School Rd, N.E., SUITE 350
Albuquerque, New Mexico 87110
(505) 884-5600

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY EKH DATE 05/11/2005
DRAWN BY EJA DATE 06/03/2005
CHECKED BY MAB DATE 04/29/2006

AS BUILT INFORMATION
CONTRACTOR NEW MEXICO UNDERGROUND CONTRACTORS INC.
WORK STAKED BY TERRA LAND SURVEYS LLC. DATE 04/2007
INSPECTORS NOTES CHANGES BY CH2MHILL DATE 08/2007
FIELD VERIFICATION BY CH2MHILL DATE 08/2007
CORRECTED BY CH2MHILL DATE 08/2007
MICRO FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
BM#1 LOCATED AT THE INTERSECTION OF RIO GRANDE BLVD. N.W. AND MATTHEW AVE. N.W. STATION IS AN ACS BRASS TABLET, STAMPED "3-G12". X=373,008.3079 Y=1,499,083.8586 EL.=4,963.29.
BM#2 LOCATED NEAR THE END OF THE CUL-DE-SAC ON SHERIDAN ST. STATION IS USC&GS BRASS TABLET STAMPED "898-C,NO. 1, ALBUQUERQUE DISTRICT, 1950" X=371,825.0808 Y=1,499,849.6127 EL.=4,967.32
HORIZ: NAD 27, VERT: SLD 29

ENGINEER'S SEAL
MICHAEL A. BREMER NEW MEXICO 14228 REGISTERED PROFESSIONAL ENGINEER
4/26/06

Albuquerque Bernalillo County
Water Utility Authority

TITLE: DURANES WELLS 2, 3 AND 6 WASHLINE MODIFICATIONS
DURANES WELL #2 WASHLINE - STA. 9+50 TO STA. 11+00

Design Review Committee: APPROVED SEP 26 2006 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED SEP 26 2006 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

CITY PROJECT NO. 7279-03
Zone Map No. G-12
SHEET 8 OF 16
DRAWING NO. 1-PP-5

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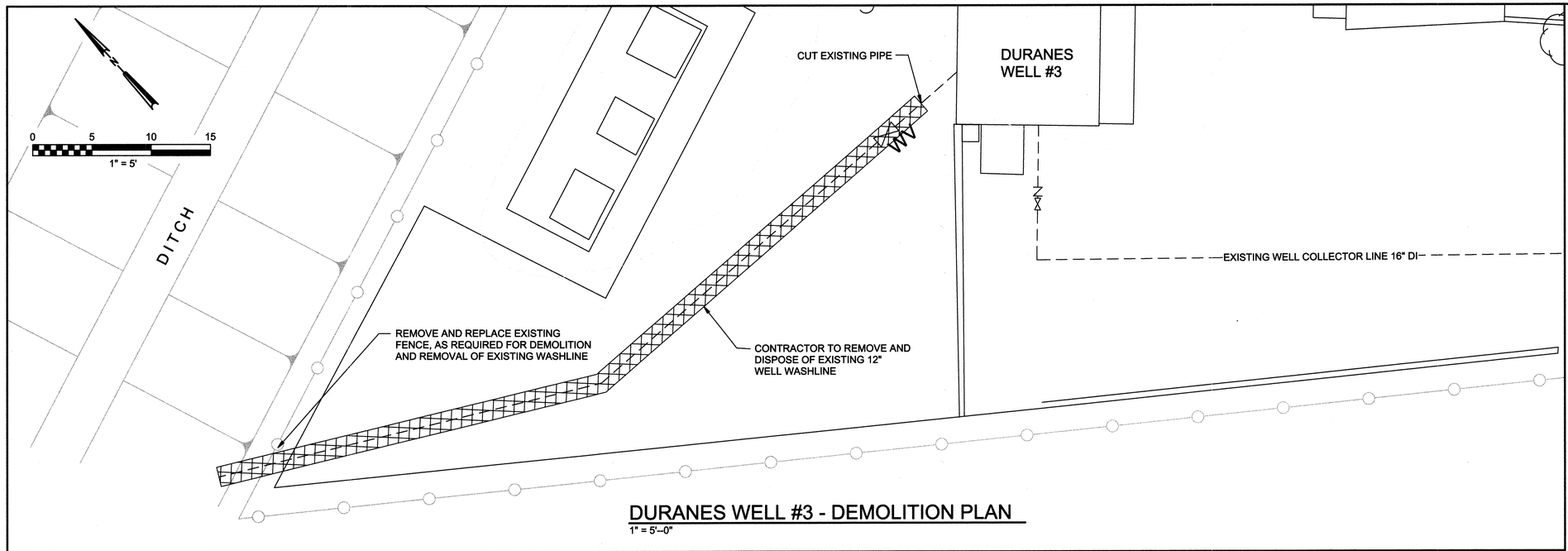
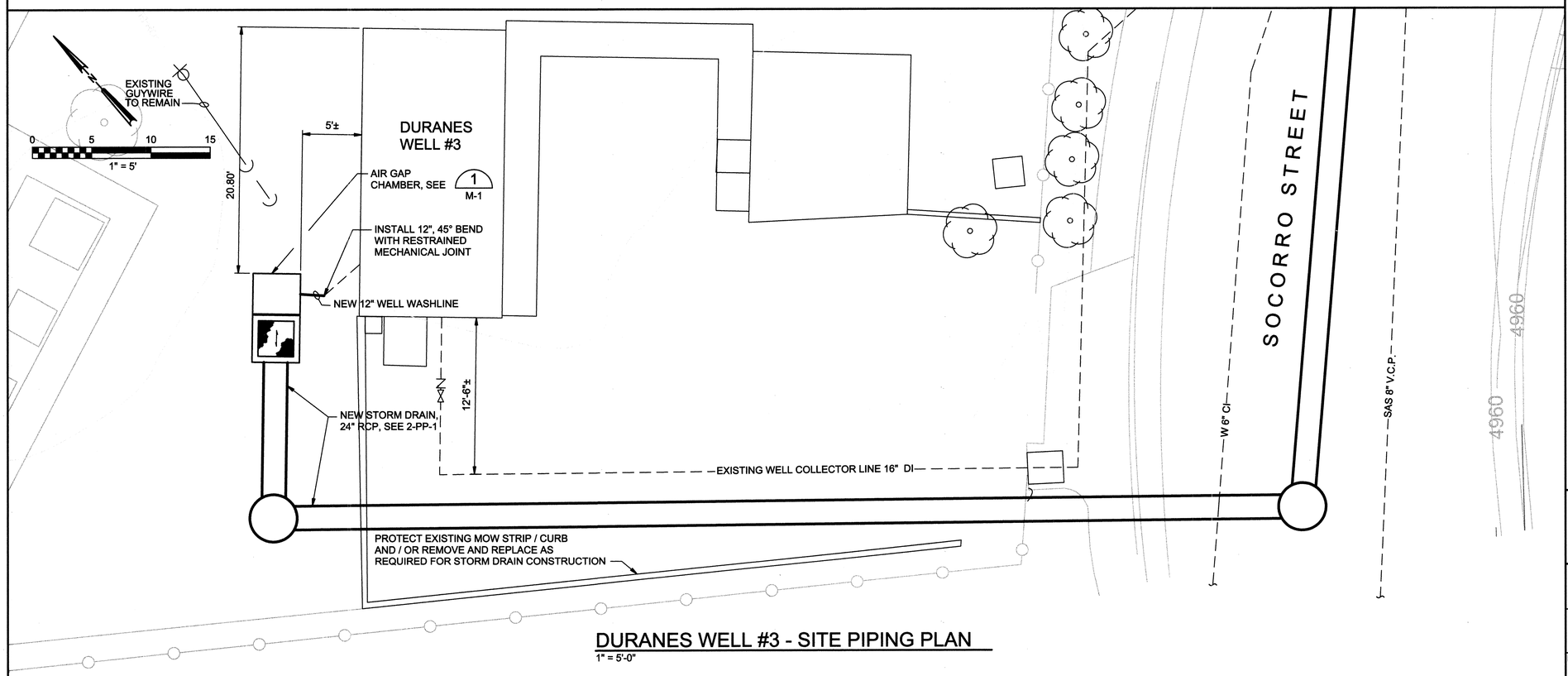
09/19/2006



DURANES WELL #3 - DEMOLITION PLAN

1" = 5'-0"



DURANES WELL #3 - SITE PIPING PLAN

1" = 5'-0"

CONSTRUCTION NOTES:

A. REPLACE ALL FENCING, LANDSCAPING, AND OTHER OBJECTS DISTURBED DURING CONSTRUCTION.

B. LANDSCAPE IRRIGATION IS PRESENT IN THE AREA OF CONSTRUCTION. REPAIR AND/OR REPLACE IRRIGATION IF DAMAGED.

C. PROTECT WELL BUILDING TO PREVENT UNDERMINING OF FOUNDATION SLAB DURING DEMOLITION AND CONSTRUCTION.

D. POWER POLES, OVERHEAD ELECTRICAL LINES AND GUYWIRES EXISTING IN THE PROJECT AREA AND SHOULD BE PROTECTED DURING DEMOLITION AND CONSTRUCTION.

E. ALL WORK PERFORMED WITHIN THE MIDDLE RIO GRANDE CONSERVANCY DISTRICT (M.R.G.C.D.) RIGHT-OF-WAY SHALL COMPLY WITH THE M.R.G.C.D. GENERAL CONSTRUCTION NOTES ON THE GENERAL ABBREVIATIONS LEGENDS & NOTES SHEET 2 OF 18.

AS BUILT INFORMATION

CONTRACTOR: NEW MEXICO UNDERGROUND CONTRACTORS, INC. DATE: 08/2007
WORK STAKED BY: FERRA LAND SURVEYS LLC. DATE: 04/2007
INSPECTIONS BY: CH2MHILL DATE: 08/2007
FIELD VERIFICATION BY: CH2MHILL DATE: 08/2007
DRAWINGS CORRECTED BY: CH2MHILL DATE: 08/2007
MICRO FILM INFORMATION
RECORDED BY: DATE
NO.

BENCH MARKS

BM#1 LOCATED AT THE INTERSECTION OF RIO GRANDE BLVD. N.W. AND INDIAN SCHOOL RD. N.W. STATION IS AN ACS BRASS TABLET, STAMPED "7-H13". X=373,826.5787 Y=1,496,192.2271 EL.=4,961.72.

BM#2 LOCATED AT THE INTERSECTION OF CENTRAL AVENUE AND RIO GRANDE BLVD. N.W. STATION IS AN ACS ALUMINUM CAP STAMPED "8-H13, 1985". X=374,221.8747 Y=1,495,472.4277 EL.=4,960.53. HORIZ: NAD 27, VERT: SLD 29

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

MICHAEL A. BREMER NEW MEXICO 14326 REGISTERED PROFESSIONAL ENGINEER
9/20/06

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

		DATE
DESIGNED BY	EKH	05/11/2005
DRAWN BY	EJA	06/03/2005
CHECKED BY	MAB	04/29/2006

THIS SHEET SUPERSEDED BY SIMILAR SHEET MARKED "RECORD DRAWING"

CH2MHILL
6001 Indian School Rd, N.E., SUITE 350
Albuquerque, New Mexico 87110
(505) 884-5600

Albuquerque Bernalillo County
Water Utility Authority

TITLE: DURANES WELLS 2, 3 AND 6 WASHLINE MODIFICATIONS

DURANES WELL #3 SITE PIPING / DEMOLITION PLAN

Design Review Committee: APPROVE SEP 26 2006 DESIGN REVIEW COMMITTEE

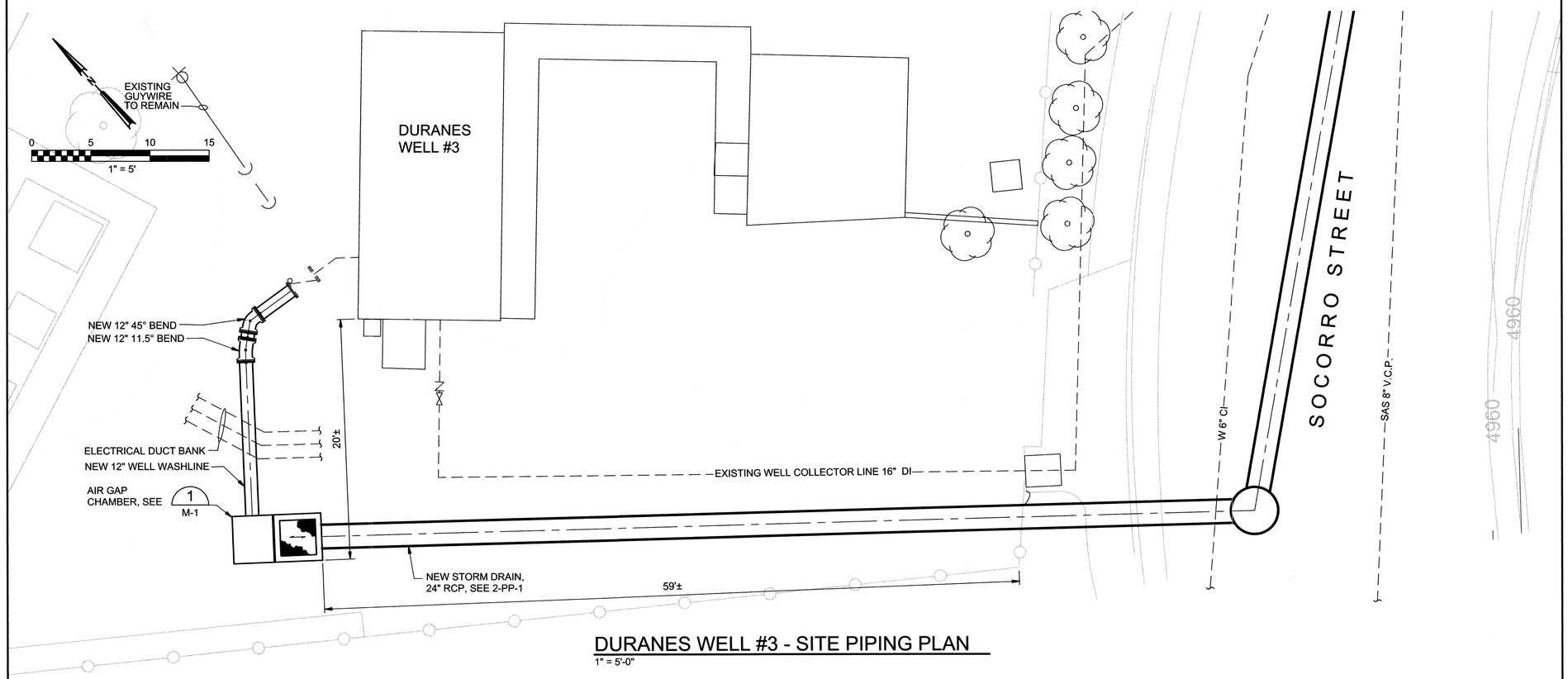
City Engineer Approval: APPROVE SEP 26 2006 CITY ENGINEER

Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

CITY PROJECT NO.	Zone Map No.	SHEET 9 OF 16
7279-03	H-12	DRAWING NO. 2-C-1

323454.BD.DP
323454_2-C-01.dwg
1=1
09/19/2006



DURANES WELL #3 - SITE PIPING PLAN

1" = 5'-0"

CONSTRUCTION NOTES:

A. REPLACE ALL FENCING, LANDSCAPING, AND OTHER OBJECTS DISTURBED DURING CONSTRUCTION.

B. LANDSCAPE IRRIGATION IS PRESENT IN THE AREA OF CONSTRUCTION. REPAIR AND/OR REPLACE IRRIGATION IF DAMAGED.

C. PROTECT WELL BUILDING TO PREVENT UNDERMINING OF FOUNDATION SLAB DURING DEMOLITION AND CONSTRUCTION.

D. POWER POLES, OVERHEAD ELECTRICAL LINES AND GUYWIRES EXISTING IN THE PROJECT AREA AND SHOULD BE PROTECTED DURING DEMOLITION AND CONSTRUCTION.

E. ALL WORK PERFORMED WITHIN THE MIDDLE RIO GRANDE CONSERVANCY DISTRICT (M.R.G.C.D.) RIGHT-OF-WAY SHALL COMPLY WITH THE M.R.G.C.D. GENERAL CONSTRUCTION NOTES ON THE GENERAL ABBREVIATIONS LEGENDS & NOTES SHEET 2 OF 18.

AS BUILT INFORMATION

CONTRACTOR NEW MEXICO UNDERGROUND CONTRACTORS INC.
WORK STAKED BY TERRA LAND SURVEYS LLC. DATE 04/2007
INSPECTOR ACCEPTANCE BY CH2MHILL DATE 08/2007
FIELD VERIFICATION BY CH2MHILL DATE 08/2007
DRAWINGS CORRECTED BY CH2MHILL DATE 08/2007
MICRO FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

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HORIZ: NAD 27, VERT: SLD 29

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

THESE DRAWINGS WERE MODIFIED USING AUTOCAD AND REPLOTTED FOR REPRODUCTIONS. THE ENGINEER'S STAMP OR OTHER SIGNATURES THAT APPEAR ON THE ORIGINAL CONTRACT DRAWINGS.

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

		DATE
DESIGNED BY	EKH	05/11/2005
DRAWN BY	EJA	06/03/2005
CHECKED BY	MAB	04/29/2006

RECORD DRAWINGS

Revisions Drawn by EJA Date 07/2007

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CH2MHILL
6001 Indian School Rd, N.E., SUITE 350
Albuquerque, New Mexico 87110
(505) 884-5600

Albuquerque Bernalillo County
Water Utility Authority

TITLE: DURANES WELLS 2, 3 AND 6 WASHLINE MODIFICATIONS

DURANES WELL #3 SITE PIPING / DEMOLITION PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

VERIFY SCALES
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0 1"
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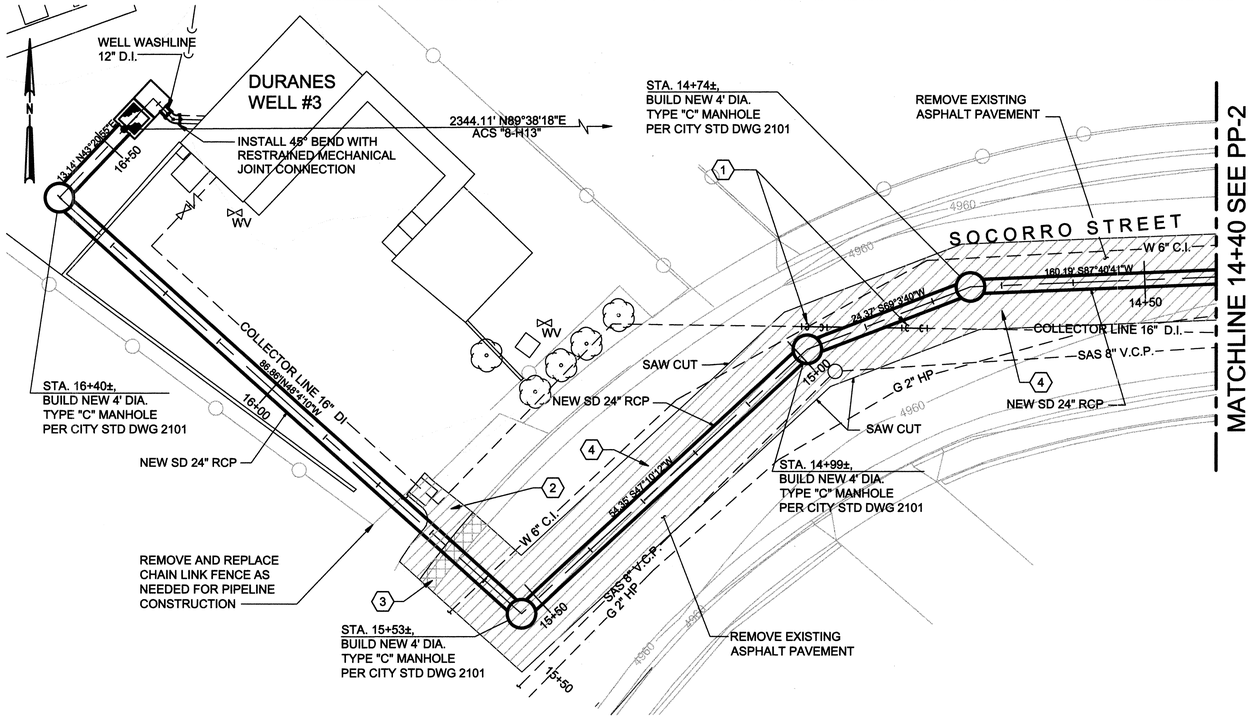
CITY PROJECT NO.	Zone Map No.	SHEET 9 OF 16
7279-03	H-12	DRAWING NO. 2-C-1

323454.BD.DP
323454_3-C-01.dwg
1=1
06/06/2007

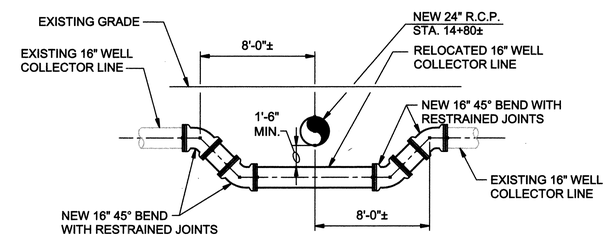


CONSTRUCTION NOTES:

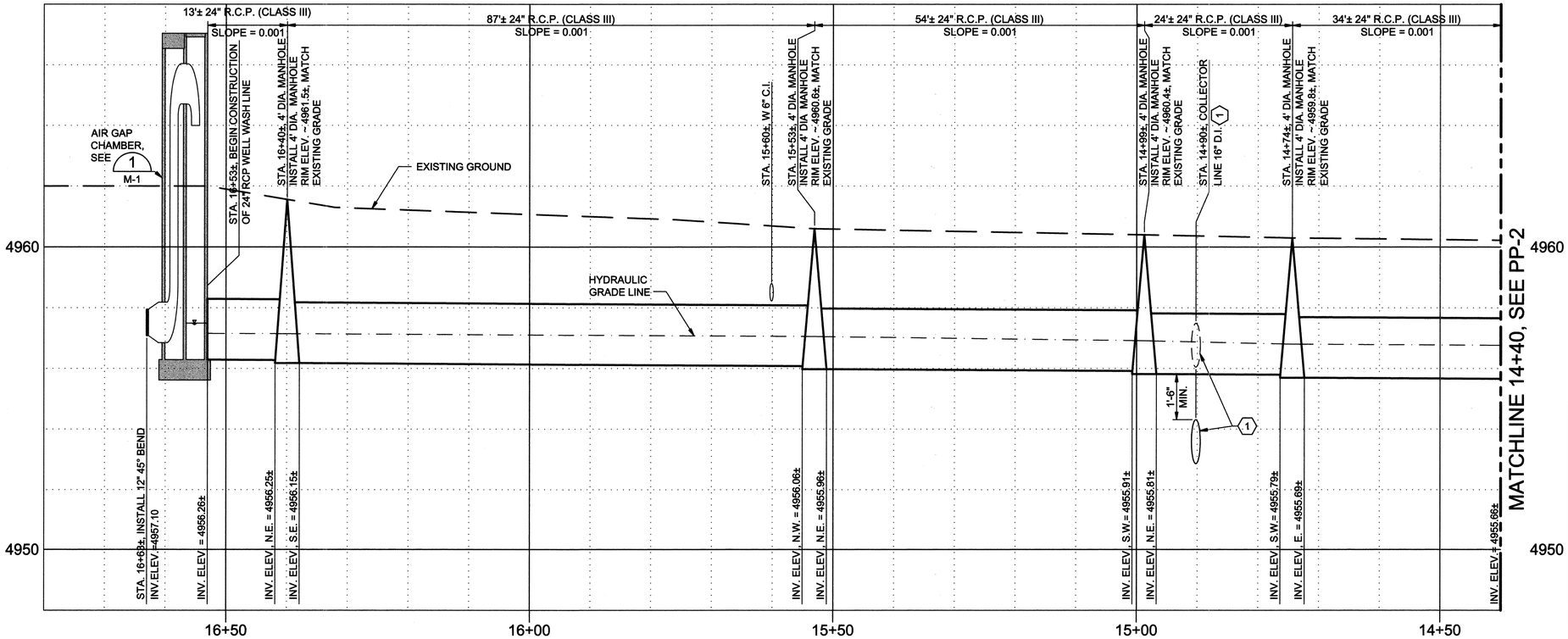
A. CONTACT UTILITY OWNERS IF UTILITIES MUST BE MOVED FOR CONSTRUCTION.

KEYED NOTES

1. LOWER EXISTING 16" COLLECTOR LINE, SEE 1
2. REMOVE AND REPLACE DRIVEPAD AND SIDEWALK TO MATCH EXISTING.
3. REMOVE AND REPLACE CURB AND GUTTER TO MATCH EXISTING, PER COA STD DWG 2415.
4. REMOVE AND REPLACE ASPHALT PAVEMENT PER COA STD DWG 2465. PAVEMENT CUTS MUST BE ORTHOGONAL TO FLOW OF TRAFFIC.



DETAIL 1
1"=5'-0"



THIS SHEET SUPERSEDED BY SIMILAR SHEET MARKED "RECORD DRAWING"

SCALE: HORIZONTAL: 1"=10'
VERTICAL 1"=2'

CH2MHILL
6001 Indian School Rd, N.E., SUITE 350
Albuquerque, New Mexico 87110
(505) 884-5600

Albuquerque Bernalillo County
Water Utility Authority

TITLE: DURANES WELLS 2, 3 AND 6 WASHLINE MODIFICATIONS
DURANES WELL #3 WASH LINE - STA. 14+40 TO STA. 16+63

Design Review Committee: APPROVED SEP 26 2006 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED SEP 26 2006 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

VERIFY SCALES
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0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

CITY PROJECT NO. 7279-03 | Zone Map No. H-12 | SHEET 10 OF 16 | DRAWING NO. 2-PP-1

323454.BD.DP
323454_2-C-01.dwg
1=1
09/19/2006

AS BUILT INFORMATION
CONTRACTOR: NEW MEXICO UNDERGROUND CONTRACTORS INC. WORK STAKED BY: TERRA LAND SURVEYS LLC. DATE 04/2007
INSPECTORS CONFIRMED BY: CH2MHILL DATE 08/2007
FIELD CONFIRMED BY: CH2MHILL DATE 08/2007
DRAWINGS CORRECTED BY: CH2MHILL DATE 08/2007
MICRO FILM INFORMATION
RECORDED BY: DATE
NO.

BENCH MARKS
BM#1 LOCATED AT THE INTERSECTION OF RIO GRANDE BLVD. N.W. AND INDIAN SCHOOL RD. N.W.
STATION IS AN ACS BRASS TABLET, STAMPED "7-H13".
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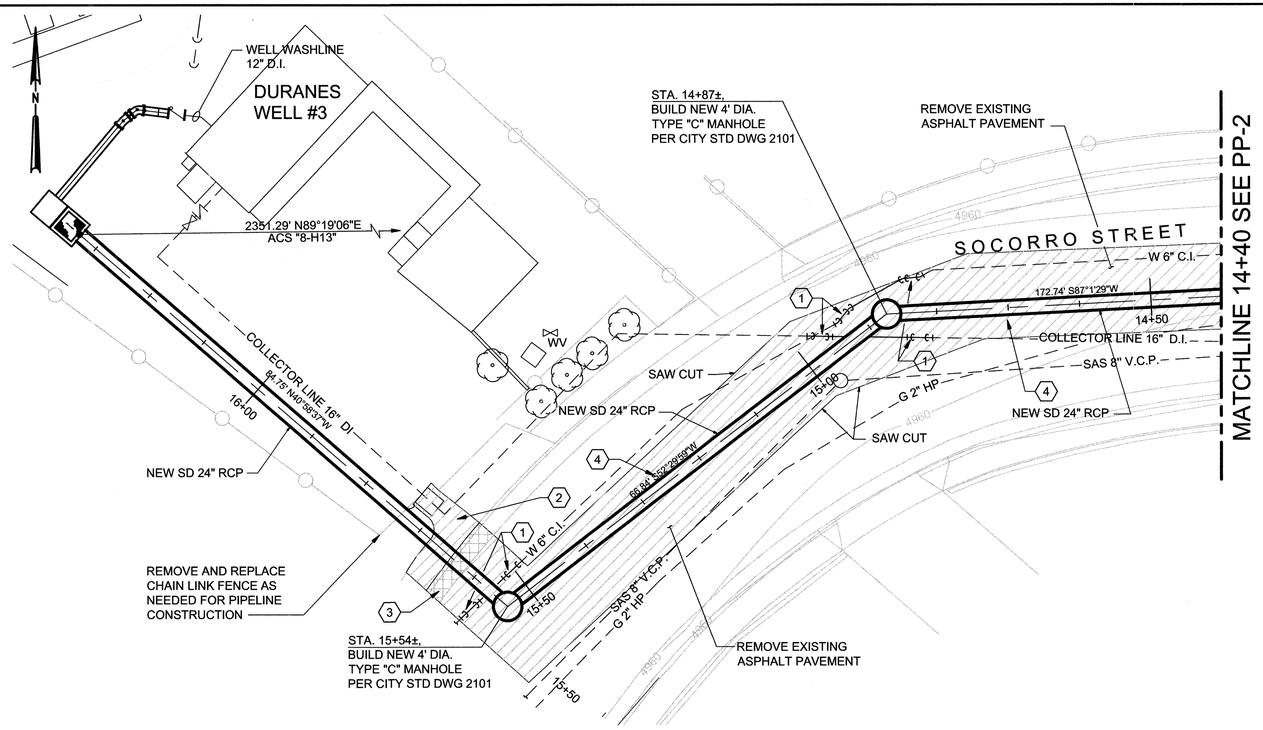
BM#2 LOCATED AT THE INTERSECTION OF CENTRAL AVENUE AND RIO GRANDE BLVD. N.W. STATION IS AN ACS ALUMINUM CAP STAMPED "8-H13, 1985".
X=374,221.8747 Y=1,495,472.4277 EL.=4,960.53.
HORIZ: NAD 27, VERT: SLD 29

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
MICHAEL A. BREMER NEW MEXICO 14238 REGISTERED PROFESSIONAL ENGINEER
10/19/06

NO.	DATE	REVISIONS	BY
		REMARKS	

DESIGN
DESIGNED BY LH DATE 05/11/2005
DRAWN BY EJA DATE 06/03/2005
CHECKED BY MAB DATE 04/29/2006

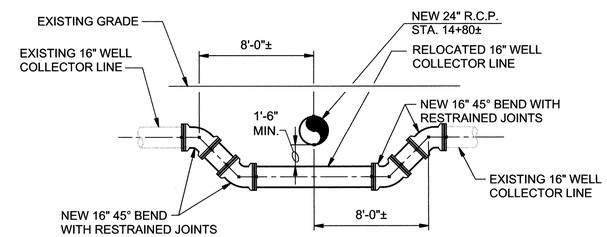


CONSTRUCTION NOTES:

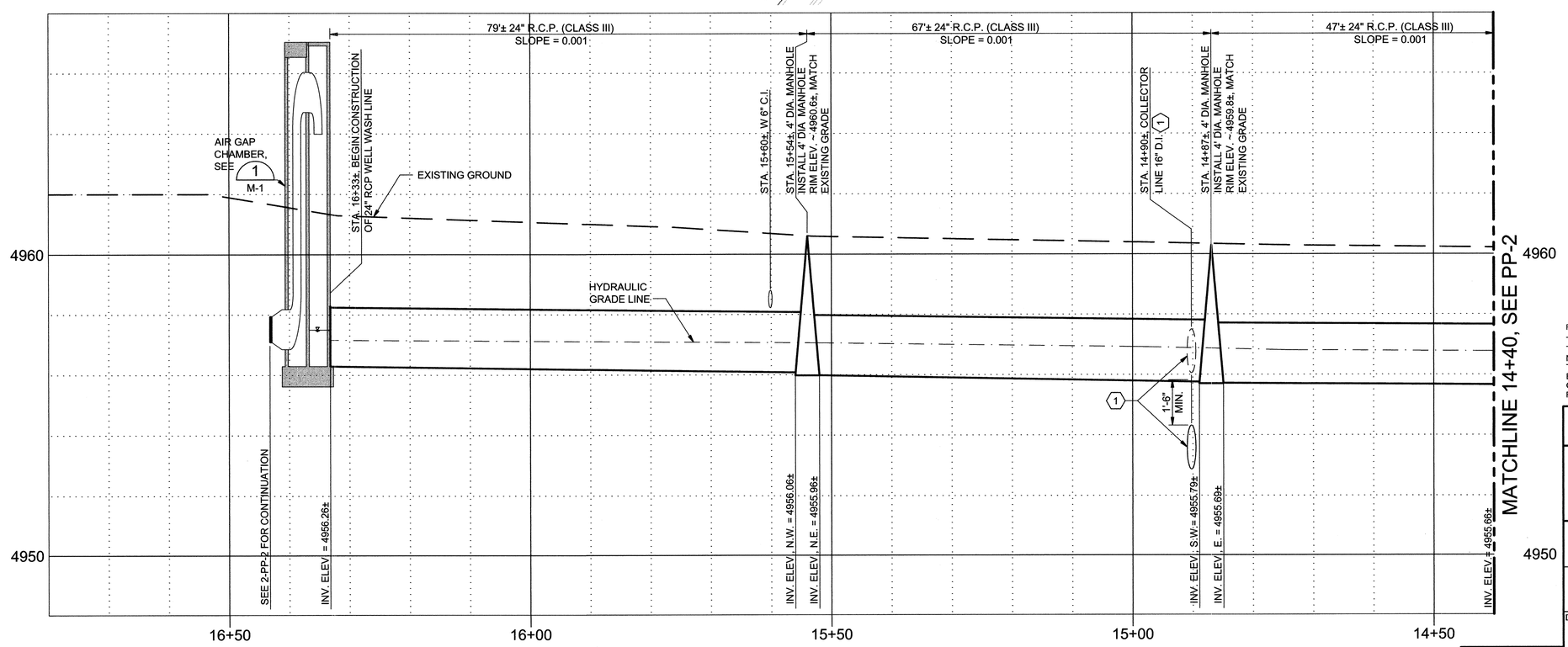
A. CONTACT UTILITY OWNERS IF UTILITIES MUST BE MOVED FOR CONSTRUCTION.

KEYED NOTES

1. LOWER EXISTING 16" COLLECTOR LINE, SEE 1
2. REMOVE AND REPLACE DRIVEPAD AND SIDEWALK TO MATCH EXISTING.
3. REMOVE AND REPLACE CURB AND GUTTER TO MATCH EXISTING, PER COA STD DWG 2415.
4. REMOVE AND REPLACE ASPHALT PAVEMENT PER COA STD DWG 2465. PAVEMENT CUTS MUST BE ORTHOGONAL TO FLOW OF TRAFFIC.



DETAIL 1
1"=5'-0"



VERIFY SCALES
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0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

RECORD DRAWINGS

Revisions Drawn by EJA Date 07/2007

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SCALE: HORIZONTAL: 1"=10'
VERTICAL 1"=2'

CH2MHILL
6001 Indian School Rd, N.E., SUITE 350
Albuquerque, New Mexico 87110
(505) 884-5600

Albuquerque Bernalillo County
Water Utility Authority

TITLE: DURANES WELLS 2, 3 AND 6 WASHLINE MODIFICATIONS
DURANES WELL #3 WASH LINE - STA. 14+40 TO STA. 16+63

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

CITY PROJECT NO. 7279-03 | Zone Map No. H-12 | SHEET 10 OF 16 | DRAWING NO. 2-PP-1

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN		DATE
DESIGNED BY	LH	05/11/2005
DRAWN BY	EJA	06/03/2005
CHECKED BY	MAB	04/29/2006

ENGINEER'S SEAL

THESE DRAWINGS WERE MODIFIED USING AUTOCAD AND REPLOTTED FOR RECORD PURPOSES AND THEREFORE DO NOT HAVE THE OWNER'S SEAL, STAMP OR OTHER SIGNATURES THAT APPEAR ON THE ORIGINAL CONTRACT DRAWINGS.

SURVEY INFORMATION

NO.	FIELD NOTES	BY	DATE

BENCH MARKS

BM#1 LOCATED AT THE INTERSECTION OF RIO GRANDE BLVD. N.W. AND INDIAN SCHOOL RD. N.W. STATION IS AN ACS BRASS TABLET, STAMPED "7-H13" X=373,826.5787 Y=1,496,192.2271 EL.=4,961.72.
BM#2 LOCATED AT THE INTERSECTION OF CENTRAL AVENUE AND RIO GRANDE BLVD. N.W. STATION IS AN ACS ALUMINUM CAP STAMPED "8-H13, 1985". X=374,221.8747 Y=1,495,472.4277 EL.=4,960.53.
HORIZ.: NAD 27, VERT.: SLD 29

AS BUILT INFORMATION

CONTRACTOR	NEW MEXICO UNDERGROUND CONTRACTORS INC.		
WORK STAKED BY	TERRA LAND SURVEYS LLC.	DATE	04/2007
INSPECTOR'S ACCEPTANCE BY	CH2MHILL	DATE	08/2007
FIELD VERIFICATION BY	CH2MHILL	DATE	08/2007
DRAWINGS CORRECTED BY	CH2MHILL	DATE	08/2007

MICRO FILM INFORMATION

RECORDED BY DATE
NO.

323454.BD.DP
323454_3-PP-01.dwg
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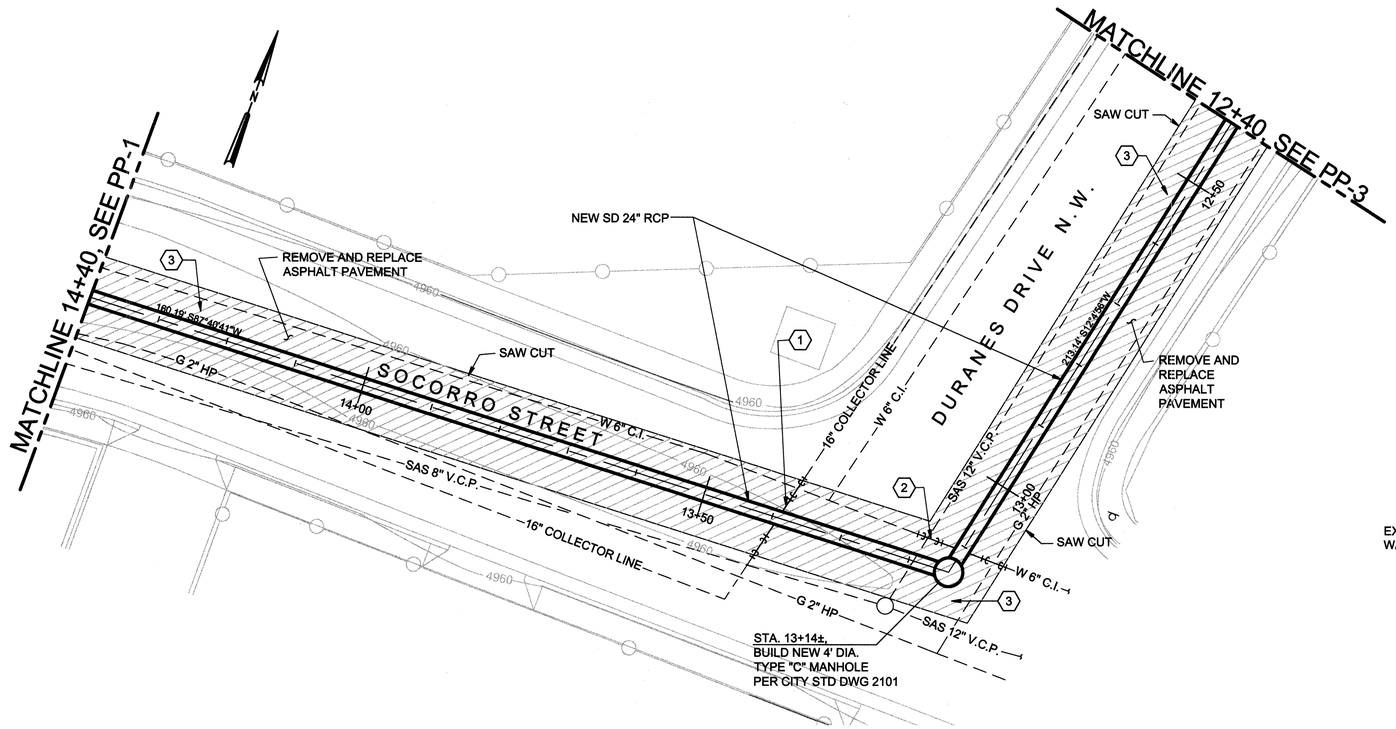
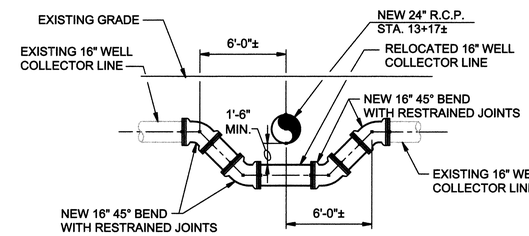
06/06/2007

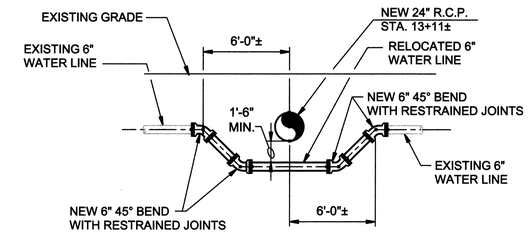


KEYED NOTES

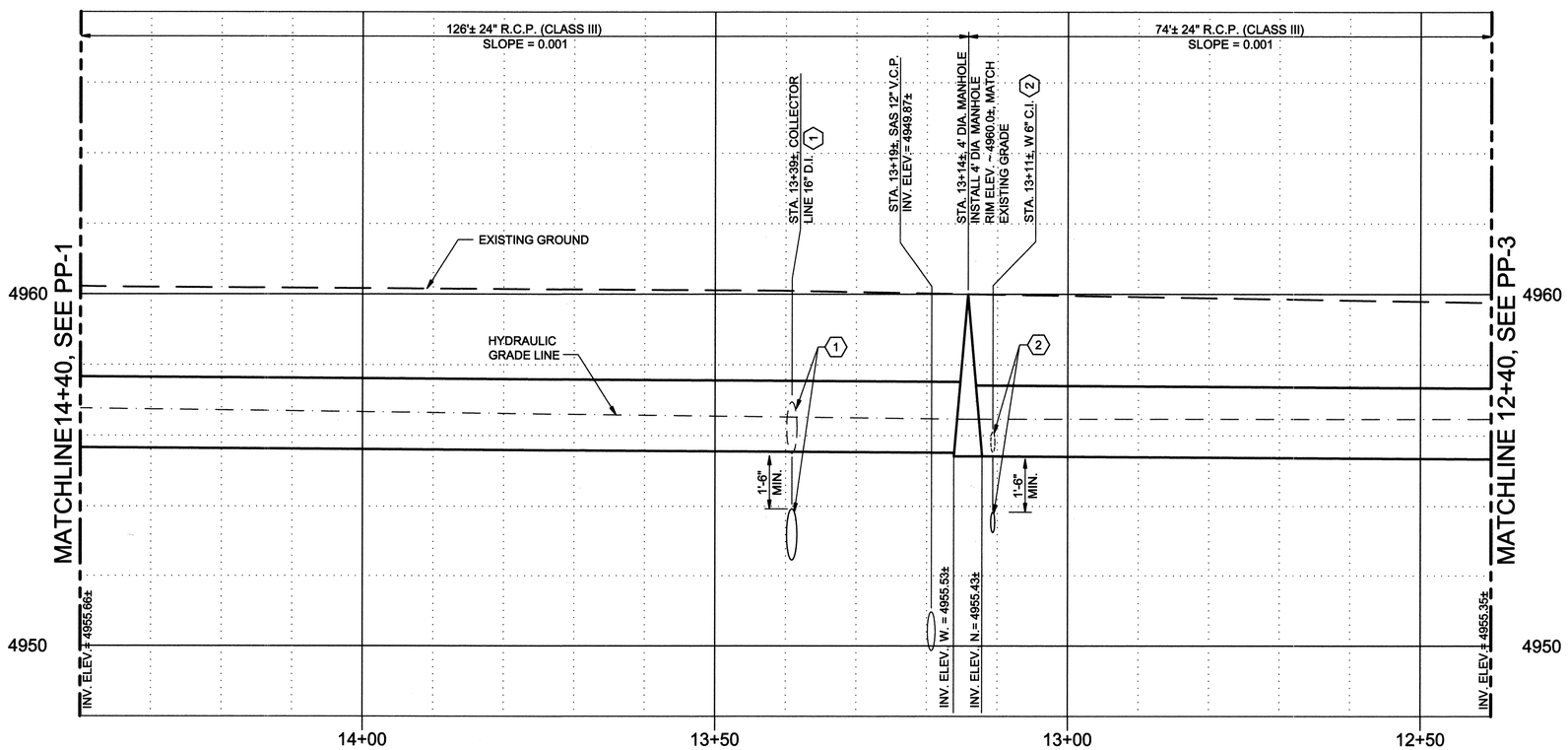
1. LOWER EXISTING 16" COLLECTOR LINE, SEE 1
2. LOWER EXISTING 6" WATER LINE, SEE 2
3. REMOVE AND REPLACE ASPHALT PAVEMENT PER COA STD DWG 2465. PAVEMENT CUTS MUST BE ORTHOGONAL TO FLOW OF TRAFFIC.



DETAIL 1
1"=5'-0"



DETAIL 2
1"=5'-0"



THIS SHEET SUPERSEDED BY SIMILAR SHEET MARKED "RECORD DRAWING"

AS BUILT INFORMATION

CONTRACTOR: NEW MEXICO UNDERGROUND CONTRACTORS, INC.
WORK STAKED BY: TERRA LAND SURVEYS, L.L.C. DATE: 04/2007
INSPECTOR'S ACCEPTANCE BY: CH2MHILL DATE: 08/2007
FIELD DESIGN ACCEPTED BY: CH2MHILL DATE: 08/2007
DRAWINGS CORRECTED BY: CH2MHILL DATE: 08/2007

BENCH MARKS

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MICRO FILM INFORMATION

RECORDED BY: DATE:
NO.:

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

MICHAEL A. BREHER, NEW MEXICO, 14228, REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

		DATE
DESIGNED BY	LH	05/11/2005
DRAWN BY	EJA	06/03/2005
CHECKED BY	MAB	04/29/2006

SCALE: HORIZONTAL: 1"=10'
VERTICAL 1"=2'

CH2MHILL
6001 Indian School Rd, N.E., SUITE 350
Albuquerque, New Mexico 87110
(505) 884-5600

Albuquerque Bernalillo County
Water Utility Authority

TITLE: DURANES WELLS 2, 3 AND 6 WASHLINE MODIFICATIONS

DURANES WELL #3 WASH LINE - STA. 12+40 TO STA. 14+40

Design Review Committee: APPROVED SEP. 26 2006 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED SEP 26 2006 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
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CITY PROJECT NO. 7279-03 | Zone Map No. H-12 | SHEET 11 OF 16 | DRAWING NO. 2-PP-2

323454.BD.DP
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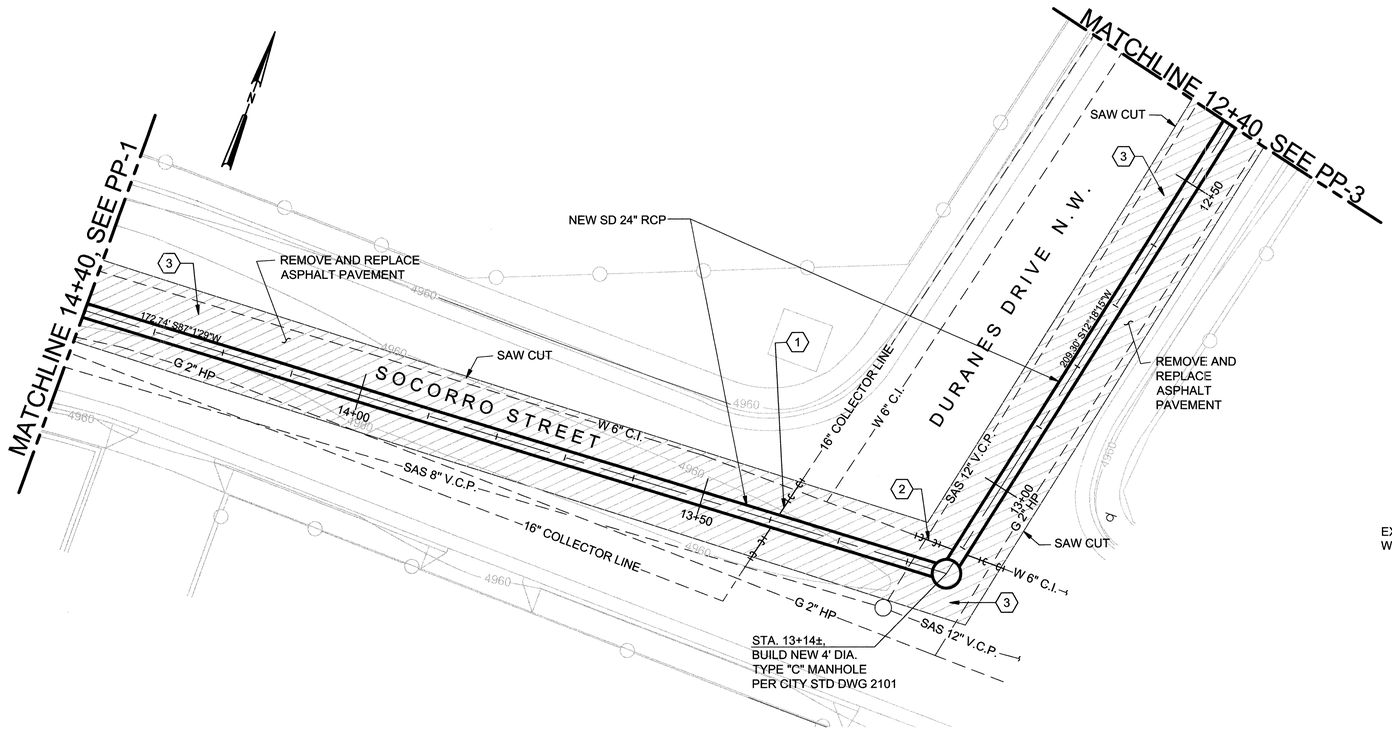
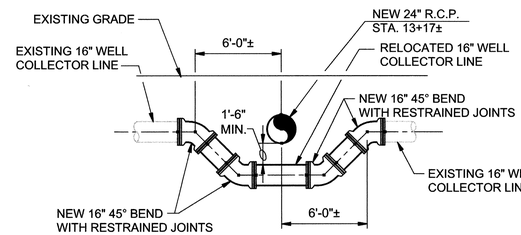
1=1
09/19/2006

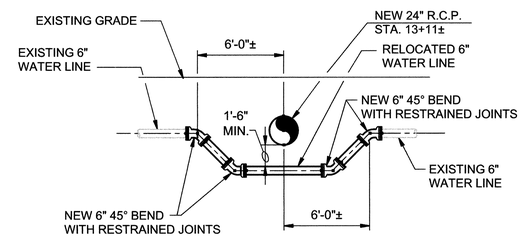


KEYED NOTES

1. LOWER EXISTING 16" COLLECTOR LINE, SEE 1
2. LOWER EXISTING 6" WATER LINE, SEE 2
3. REMOVE AND REPLACE ASPHALT PAVEMENT PER COA STD DWG 2465. PAVEMENT CUTS MUST BE ORTHOGONAL TO FLOW OF TRAFFIC.



DETAIL 1
1"=5'-0"



DETAIL 2
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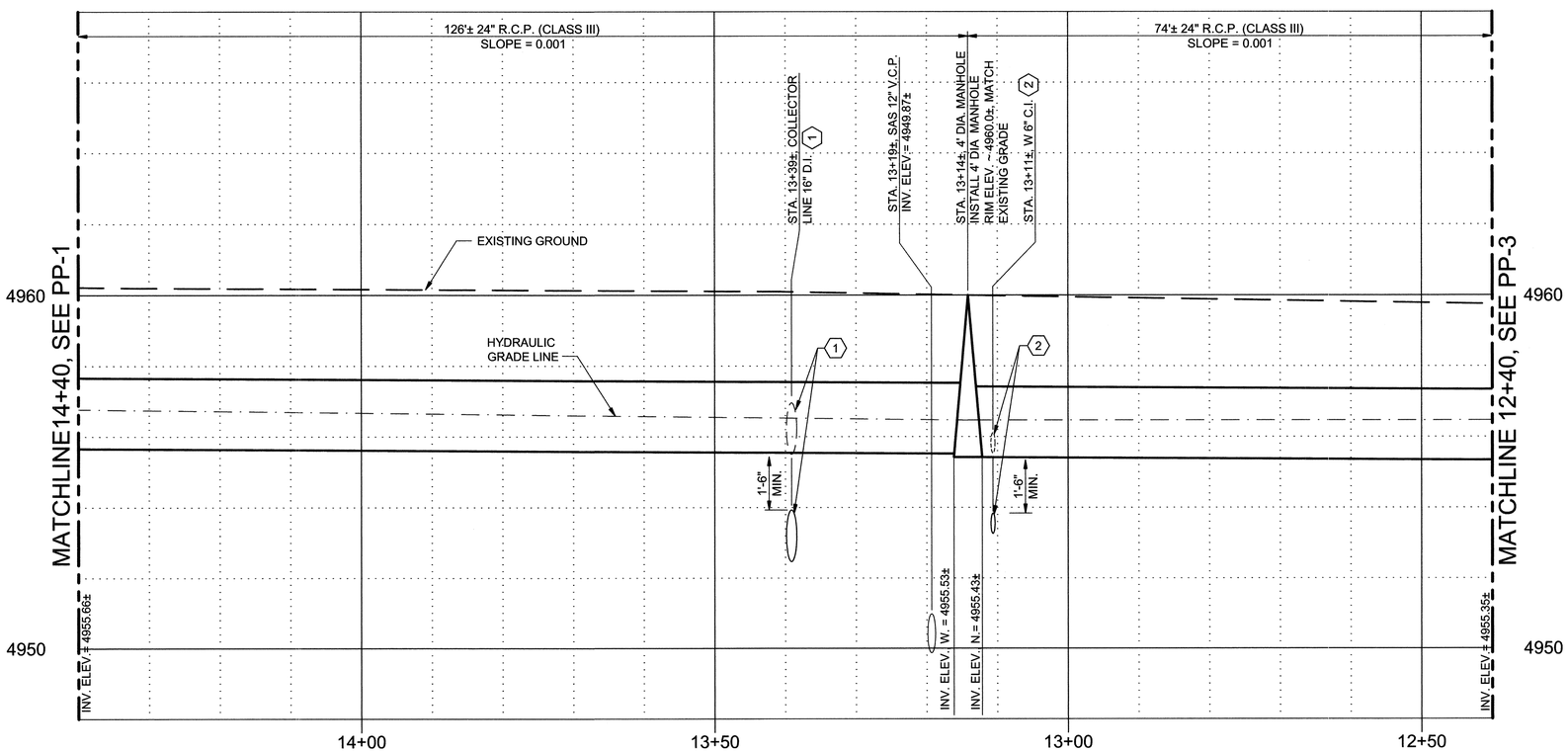

RECORD DRAWINGS

Revisions Drawn by EJA Date 07/2007

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CH2MHILL
6001 Indian School Rd, N.E., SUITE 350
Albuquerque, New Mexico 87110
(505) 884-5600

Albuquerque Bernalillo County
Water Utility Authority

TITLE: DURANES WELLS 2, 3 AND 6 WASHLINE MODIFICATIONS

DURANES WELL #3 WASH LINE - STA. 12+40 TO STA. 14+40

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

CITY PROJECT NO. 7279-03 | Zone Map No. H-12 | SHEET 11 OF 16 | DRAWING NO. 2-PP-2

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

AS BUILT INFORMATION
CONTRACTOR: NEW MEXICO UNDERGROUND CONTRACTORS INC
WORK STAKED BY: TERRA LAND SURVEYS LLC. DATE 04/2007
INSPECTORS ACCEPTANCE BY: CH2MHILL DATE 08/2007
FIELD VERIFICATION BY: CH2MHILL DATE 08/2007
DRAWINGS CORRECTED BY: CH2MHILL DATE 08/2007
MICRO FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
B.M.#1 LOCATED AT THE INTERSECTION OF RIO GRANDE BLVD. N.W. AND INDIAN SCHOOL RD. N.W.
STATION IS AN ACS BRASS TABLET, STAMPED "7-H13".
X=373,826.5787 Y=1,496,192.2271 EL.=4,961.72.
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HORIZ: NAD 27. VERT: SLD 29

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

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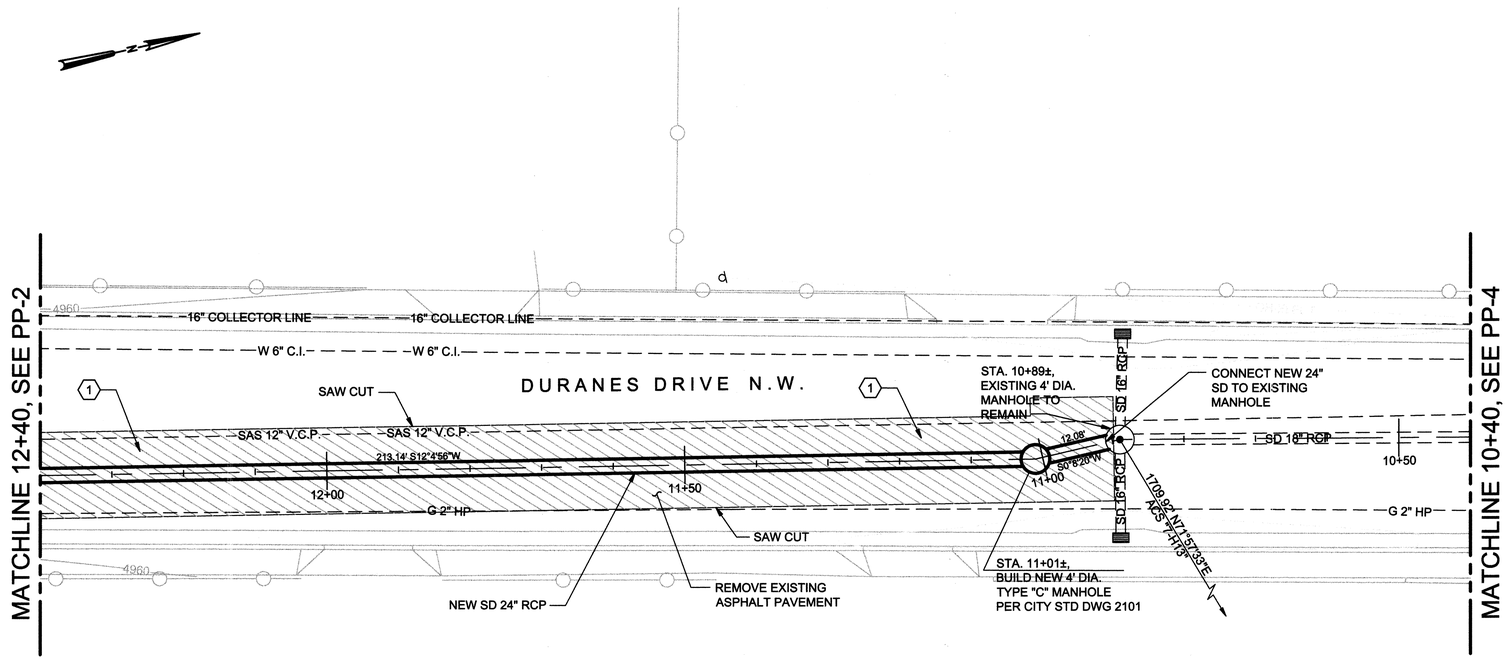
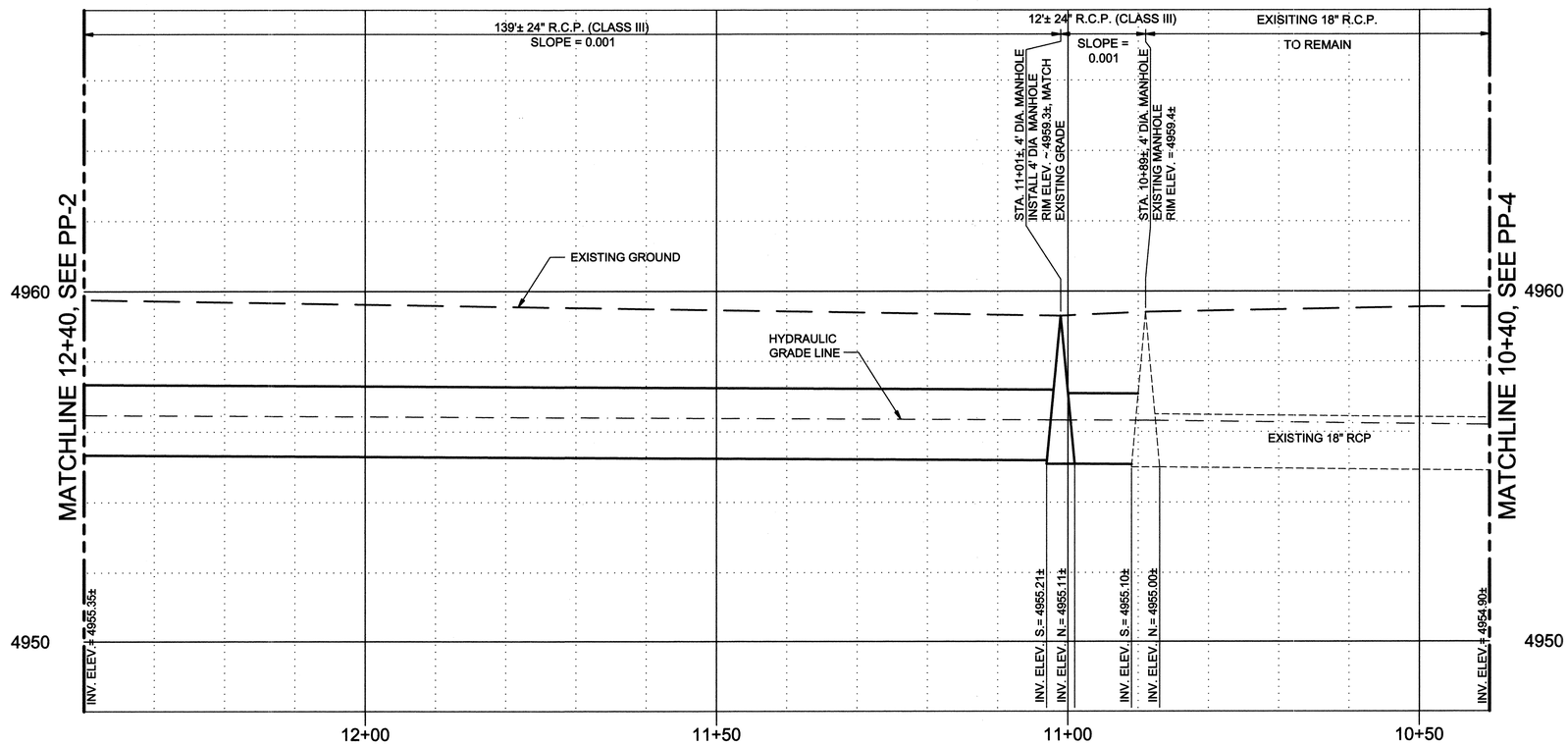
NO.	DATE	REMARKS	BY

REVISIONS
DESIGN

		DATE
DESIGNED BY	LH	05/11/2005
DRAWN BY	EJA	06/03/2005
CHECKED BY	MAB	04/29/2006

323454.BD.DP
323454_3-PP-02.dwg
1=1
06/06/2007





KEYED NOTES

1. REMOVE AND REPLACE ASPHALT PAVEMENT PER COA STD DWG 2465. PAVEMENT CUTS MUST BE ORTHOGONAL TO FLOW OF TRAFFIC.

THIS SHEET SUPERSEDED BY SIMILAR SHEET MARKED "RECORD DRAWING"

SCALE: HORIZONTAL: 1"=10'
VERTICAL 1"=2'

CH2MHILL
6001 Indian School Rd, N.E., SUITE 350
Albuquerque, New Mexico 87110
(505) 884-5600

Albuquerque Bernalillo County
Water Utility Authority

TITLE: DURANES WELLS 2, 3 AND 6 WASHLINE MODIFICATIONS
DURANES WELL #3 WASH LINE - STA. 10+40 TO STA. 12+40

Design Review Committee: APPROVED SEP 26 2006 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED SEP 26 2006 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

CITY PROJECT NO. 7279-03 | Zone Map No. H-12 | SHEET 12 OF 16 | DRAWING NO. 2-PP-3

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

323454.BD.DP
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1=1
09/19/2006

AS BUILT INFORMATION
CONTRACTOR: NEW MEXICO UNDERGROUND CONTRACTORS, INC. DATE: 04/2007
WORK STAKED BY: TERRA LAND SURVEYS LLC. DATE: 04/2007
MARKS FOUND ACCEPTANCE BY: CH2MHILL DATE: 08/2007
FIELD VERIFICATION BY: CH2MHILL DATE: 08/2007
DRAWINGS CORRECTED BY: CH2MHILL DATE: 08/2007
MICRO FILM INFORMATION
RECORDED BY: DATE
NO.

BENCH MARKS
BM#1 LOCATED AT THE INTERSECTION OF RIO GRANDE BLVD. N.W. AND INDIAN SCHOOL RD. N.W. STATION IS AN ACS BRASS TABLET, STAMPED "7-H13". X=373,826.5787 Y=1,496,192.2271 EL.=4,961.72.
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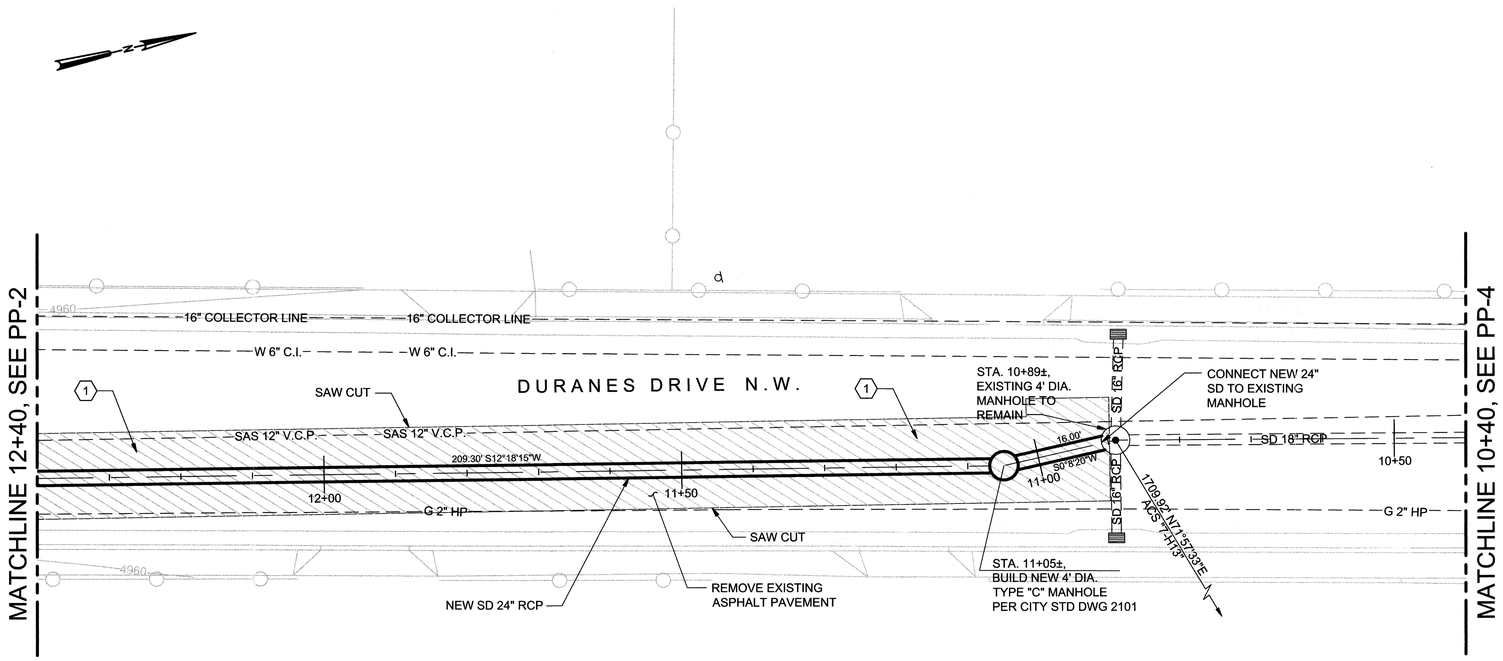
HORIZ: NAD 27, VERT: SLD 29

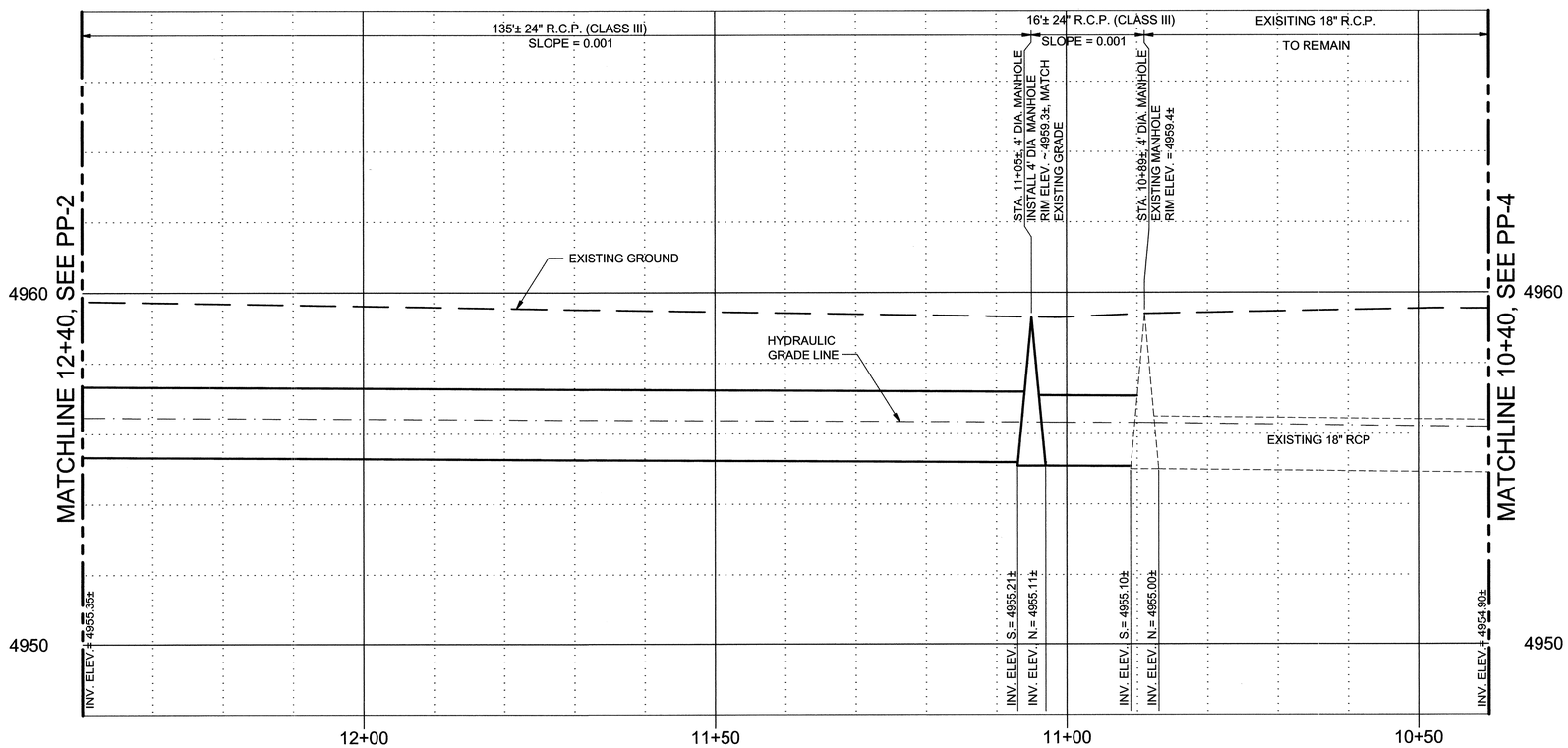
SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
MICHAEL A. BREMER NEW MEXICO 14328 REGISTERED PROFESSIONAL ENGINEER
9/20/06

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

		DATE
DESIGNED BY	LH	05/11/2005
DRAWN BY	EJA	06/03/2005
CHECKED BY	MAB	04/29/2006





KEYED NOTES

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WORK STAKED BY: TERRA LAND SURVEYS LLC. DATE 04/20/07
INSPECTOR'S ACCEPTANCE BY: CH2MHILL DATE 08/20/07
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MICRO FILM INFORMATION

RECORDED BY: DATE
NO.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

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NO.	DATE	REVISIONS	BY

REMARKS	DATE
DESIGN	05/11/2005
	06/03/2005
	04/29/2006

DESIGNED BY LH
DRAWN BY EJA
CHECKED BY MAB

RECORD DRAWINGS

Revisions Drawn by EJA Date 07/2007

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CH2MHILL
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Albuquerque Bernalillo County
Water Utility Authority

TITLE: DURANES WELLS 2, 3 AND 6 WASHLINE MODIFICATIONS

DURANES WELL #3 WASH LINE - STA. 10+40 TO STA. 12+40

Design Review Committee | City Engineer Approval | Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

VERIFY SCALES
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0 1"
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CITY PROJECT NO. 7279-03 | Zone Map No. H-12 | SHEET 12 OF 16 | DRAWING NO. 2-PP-3

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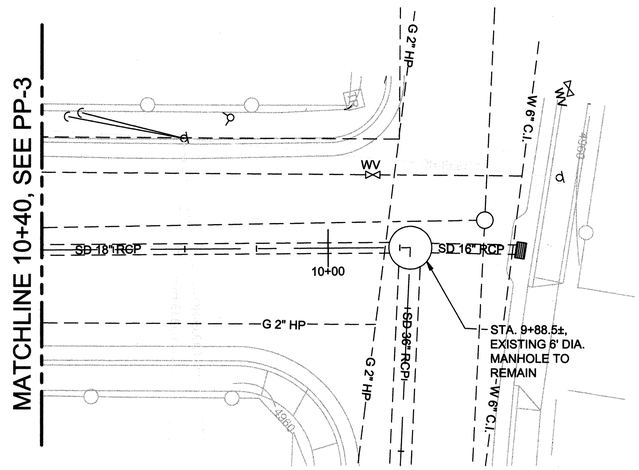
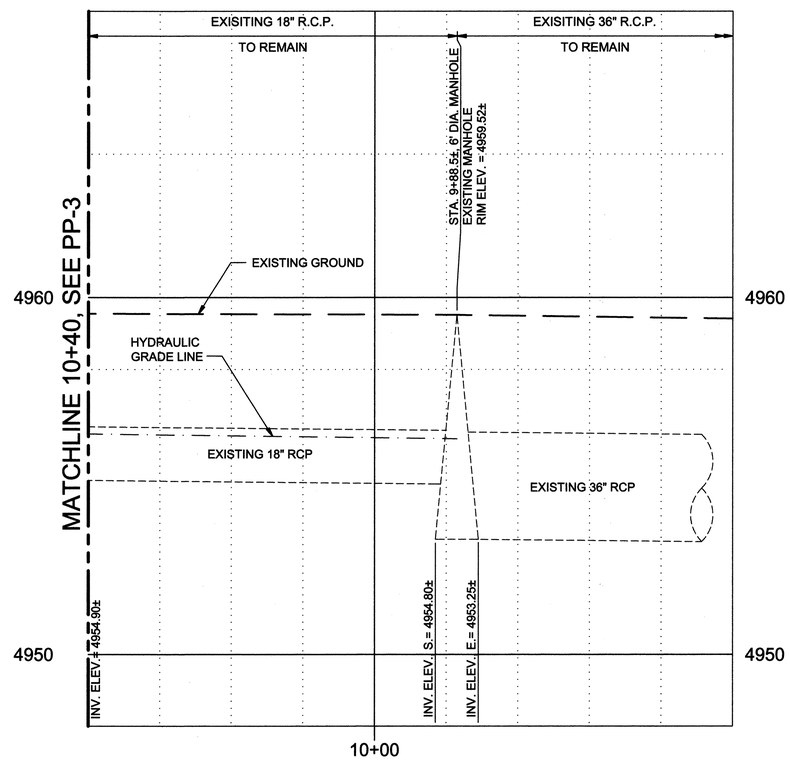
06/06/2007





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Albuquerque, New Mexico 87110
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Albuquerque Bernalillo County
Water Utility Authority

TITLE: DURANES WELLS 2, 3 AND 6 WASHLINE MODIFICATIONS
DURANES WELL #3 WASH LINE - STA. 9+50 TO STA. 10+40

Design Review Committee: APPROVED SEP 26 2006 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED SEP 26 2006 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

CITY PROJECT NO. 7279-03 | Zone Map No. H-12 | SHEET 13 OF 16 | DRAWING NO. 2-PP-4

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY LH DATE 05/11/2005
DRAWN BY EJA DATE 06/03/2005
CHECKED BY MAB DATE 04/29/2006

ENGINEER'S SEAL
MICHAEL A. BREMER NEW MEXICO 14280 REGISTERED PROFESSIONAL ENGINEER
9/26/06

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
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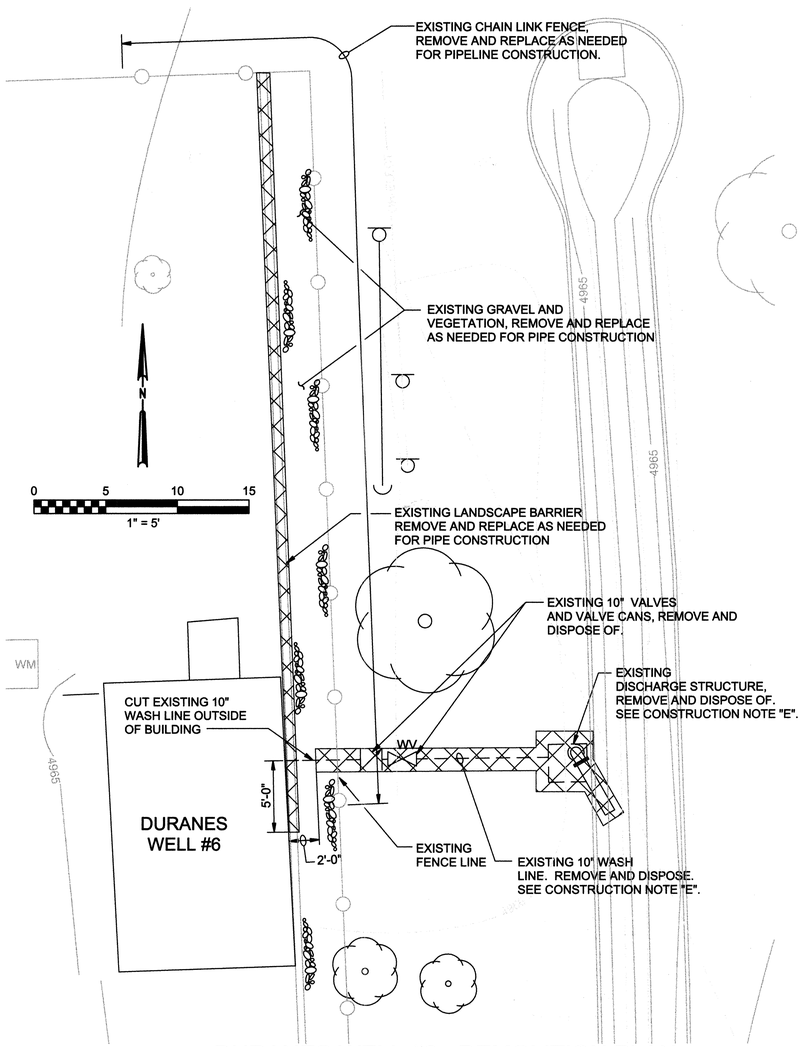
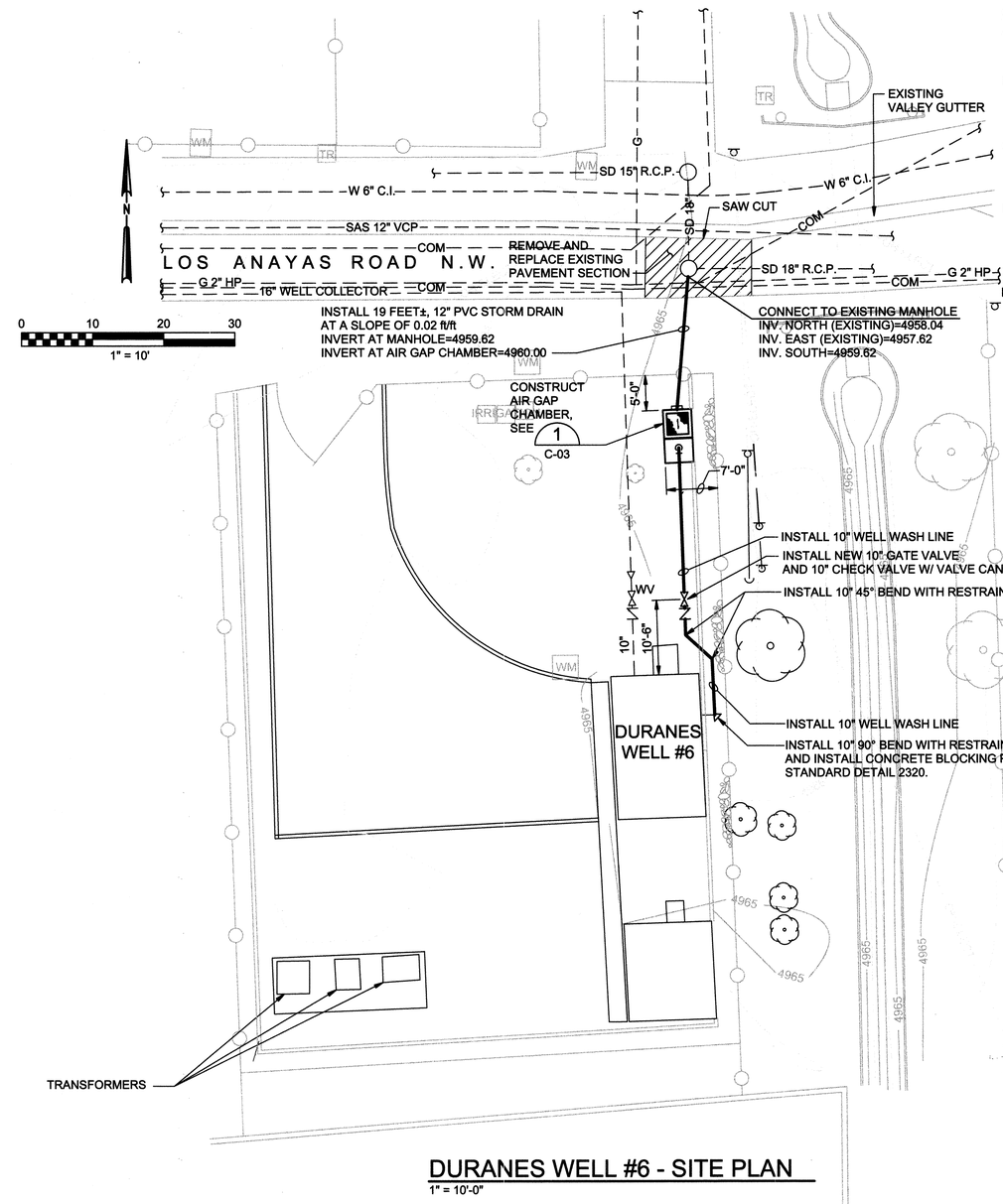
HORIZ. NAD 27, VERT: SLD 29

AS BUILT INFORMATION
CONTRACTOR NEW MEXICO UNDERGROUND CONTRACTORS INC.
WORK STAKED BY TERRA LAND SURVEYS LLC. DATE 04/2007
WORK INSPECTED BY CH2MHILL DATE 08/2007
ACCEPTANCE BY
FIELD VERIFICATION BY CH2MHILL DATE 08/2007
DRAWINGS CORRECTED BY CH2MHILL DATE 08/2007
MICRO FILM INFORMATION
RECORDED BY DATE
NO.



DURANES WELL #6 - DEMOLITION PLAN

1" = 5'-0"



DURANES WELL #6 - SITE PLAN

1" = 10'-0"

THIS SHEET SUPERSEDED BY SIMILAR SHEET MARKED "RECORD DRAWING"

CONSTRUCTION NOTES:

A. REPLACE ALL FENCING, LANDSCAPING, AND OTHER OBJECTS DISTURBED DURING CONSTRUCTION.

B. LANDSCAPE IRRIGATION IS PRESENT IN THE AREA OF CONSTRUCTION. REPAIR AND/OR REPLACE IRRIGATION IF DAMAGED.

C. PROTECT WELL BUILDING TO PREVENT UNDERMINING OF FOUNDATION SLAB DURING DEMOLITION AND CONSTRUCTION.

D. POWER POLES, OVERHEAD ELECTRICAL LINES AND GUYWIRES EXISTING IN THE PROJECT AREA AND SHOULD BE PROTECTED DURING DEMOLITION AND CONSTRUCTION.

E. ALL WORK PERFORMED WITHIN THE MIDDLE RIO GRANDE CONSERVANCY DISTRICT (M.R.G.C.D.) RIGHT-OF-WAY SHALL COMPLY WITH THE M.R.G.C.D. GENERAL CONSTRUCTION NOTES ON THE GENERAL ABBREVIATIONS LEGENDS & NOTES SHEET 2 OF 18.

AS BUILT INFORMATION
CONTRACTOR: NEW MEXICO UNDERGROUND CONTRACTORS INC. DATE 04/20/07
WORK STAKED BY: TERRA LAND SURVEYS LLC. DATE 04/20/07
WORK INSPECTED ACCEPTANCE BY: CH2MHILL DATE 08/20/07
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HORIZ: NAD 27 VERT: SLD 29

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
MICHAEL A. BREWER NEW MEXICO 14328 REGISTERED PROFESSIONAL ENGINEER
9/19/06

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

		DATE
DESIGNED BY	EKH	05/11/2005
DRAWN BY	EJA	06/03/2005
CHECKED BY	MAB	04/29/2006

CH2MHILL
6001 Indian School Rd, N.E., SUITE 350
Albuquerque, New Mexico 87110
(505) 884-5600

Albuquerque Bernalillo County
Water Utility Authority

TITLE: DURANES WELLS 2, 3 AND 6 WASHLINE MODIFICATIONS

DURANES WELL #6 SITE PIPING / DEMOLITION PLAN

Design Review Committee: APPROVED SEP 26 2006 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED SEP 26 2006 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

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CITY PROJECT NO. 7279-03 | Zone Map No. H-12 | SHEET 14 OF 16 | DRAWING NO. 3-C-1

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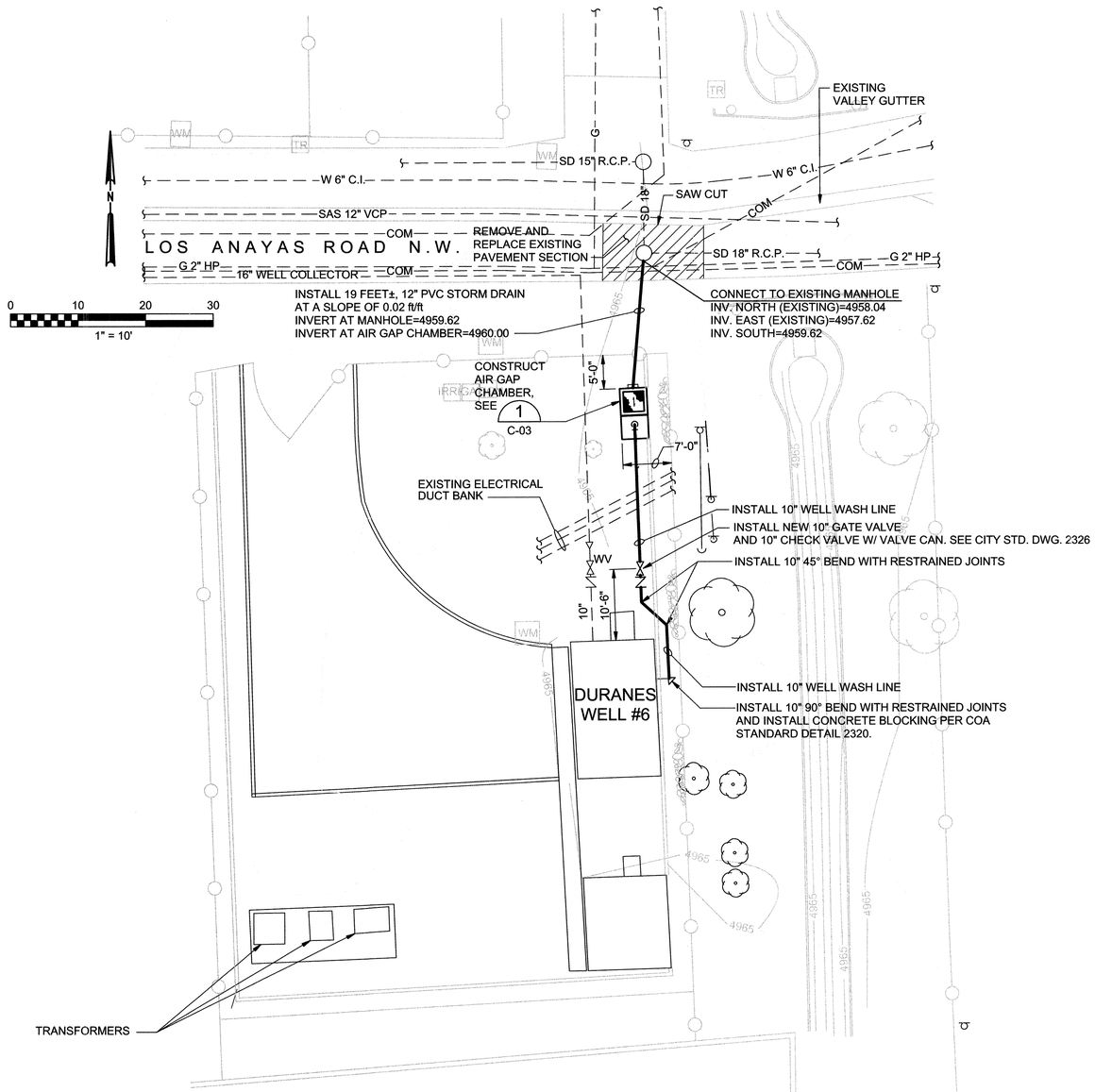
09/19/2006



DURANES WELL #6 - SITE PLAN

1" = 10'-0"

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INSPECTOR'S AUDIO/VISUAL BY: CH2MHILL DATE: 08/20/07
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REVISIONS

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	EKH	DATE 05/11/2005
DRAWN BY	EJA	DATE 06/03/2005
CHECKED BY	MAB	DATE 04/29/2006

RECORD DRAWINGS

Revisions Drawn by EJA Date 07/2007

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Albuquerque Bernalillo County
Water Utility Authority

TITLE: DURANES WELLS 2, 3 AND 6 WASHLINE MODIFICATIONS

DURANES WELL #6 SITE PIPING / DEMOLITION PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

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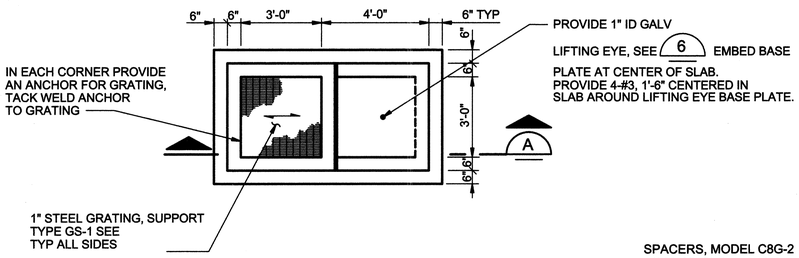
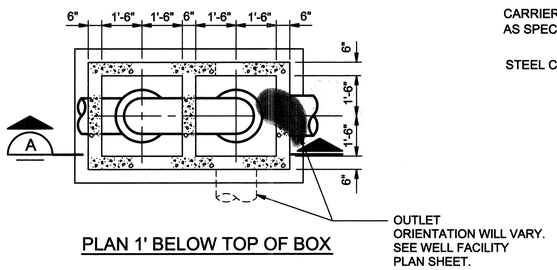


PLAN



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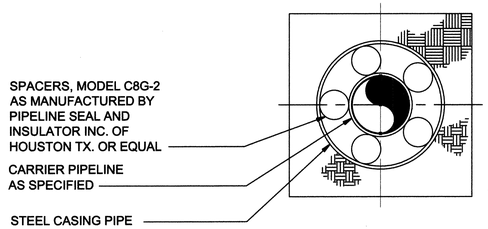
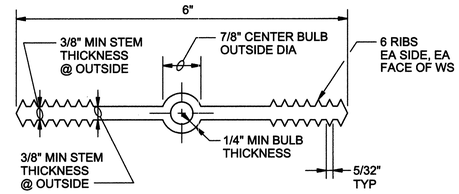


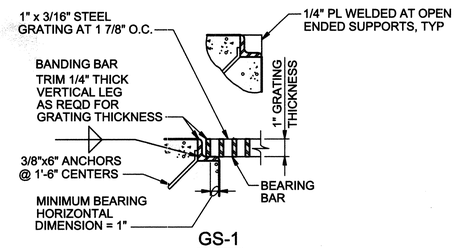
UNDERCROSSING SPACER DETAIL 5

N.T.S. 1-PP-2



PLASTIC WATERSTOP 2

NTS



GS-1

GRATING SUPPORT 3

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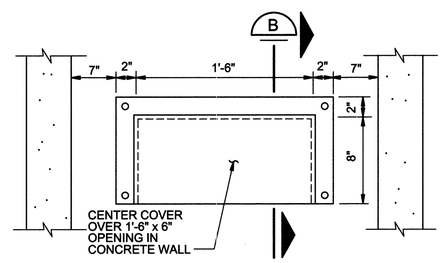
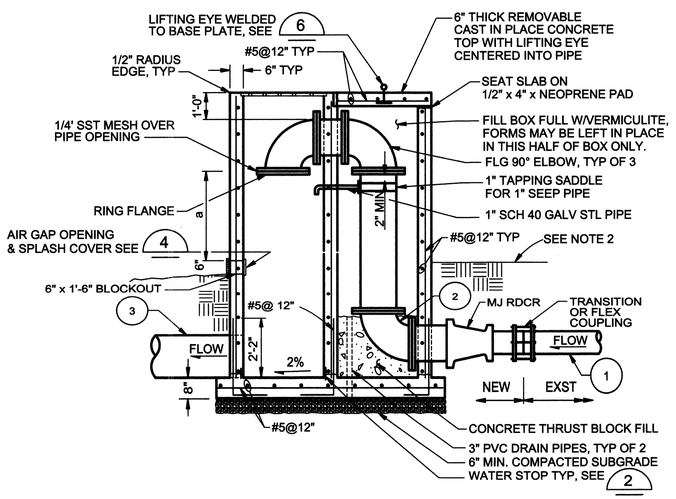




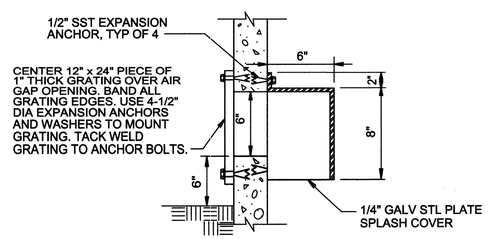
SECTION A

NOTES:

1. AT CONTRACTOR'S OPTION, AIR GAP CHAMBER PIPING MAY BE WELDED STL.
2. CHAMBER HEIGHT DEPENDENT ON OUTLET PIPE INVERT AND EXISTING GROUND ELEV. SEE WELL SITE PLAN AND PROFILE SHEETS FOR THESE ELEVATIONS.

AIR GAP CHAMBER 1

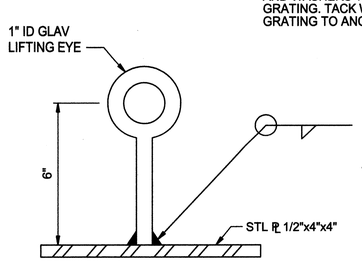
NTS



SECTION B

SPLASH COVER 4

NTS



LIFTING EYE DETAIL 6

N.T.S.

GRATING NOTES:

1. GRATING SPAN ←→ SEE PLAN.
   SHOP DRAWINGS BASED ON FIELD DIMENSIONS SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO FABRICATION. MATERIAL FOR METAL SUPPORTS OF STEEL SHALL BE GALVANIZED STEEL.
2. BEARING BAR THICKNESS FOR GRATING TO BE 3/16" MINIMUM.
3. BAND ALL EDGES WITH 3/16"x DEPTH OF BEARING BAR.
4. PROVIDE MISCELLANEOUS GRATING FASTENERS AS REQUIRED.
5. THE HORIZONTAL CLEARANCE BETWEEN THE GRATING AND GRATING SUPPORTS SHALL NOT BE LESS THAN 1/4" NOR GREATER THAN 1/2".
6. ALL GRATING SECTIONS, WHEN IN PLACE, SHALL ALWAYS BE FIRMLY ANCHORED TO THEIR SUPPORTS.

GENERAL STRUCTURAL NOTES:

1. MINIMUM CLEARANCE FOR REINFORCEMENT BARS, SHALL BE 3" WHEN PLACED ON GROUND, FOR SURFACES EXPOSED TO WATER OR WEATHER: 1 1/2" CLEARANCE FOR #5 BAR AND SMALLER AND 2" CLEARANCE FOR LARGER BARS: INTERIOR SLABS 3/4" CLEARANCE, INTERIOR BEAMS 1 1/2" CLEARANCE.
2. ALL WALL REINFORCEMENT BARS SHALL BE CONTINUOUS AROUND CORNERS AND THOUGH COLUMNS OR PILASTERS. REINFORCEMENT BARS SHALL BE EXTENDED INTO CONNECTING WALLS. VERTICAL WALL BARS SHALL BE LAPPED WITH DOWELS FROM BASE SLABS.
3. ALL REINFORCEMENT BENDS AND LAPS, UNLESS OTHERWISE NOTED SHALL SATISFY THE FOLLOWING MINIMUM REQUIREMENT:

REINFORCEMENT LAP DISTANCE (DIMENSIONS IN INCHES)										
	BAR SIZE	#3	#4	#5	#6	#7	#8	#9	#10	#11
SPACING < 6"	TOP BAR	21	29	36	46	62	82	104	132	163
	OTHER BAR	15	20	26	33	45	59	74	95	116
SPACING > 6"	TOP BAR	17	23	29	37	50	66	83	106	130
	OTHER BAR	12	16	20	26	36	47	60	76	93
HOOKS SHALL SATISFY AC1 318 83										

4. PROVIDE AND INSTALL 6" THICK OF COMPACTED SUBGRADE MATERIAL (95% COMPACTION) UNDER ALL SLABS.
5. ALL EMBEDDED PIPING, TUBING, ANCHOR BOLTS, AND OTHER EMBEDDED ITEMS SHALL BE SUPPORTED TO PROVIDE A MINIMUM OF 1" CLEARANCE FROM ALL REINFORCING.
6. ALL STRUCTURAL CONCRETE SHALL HAVE A MINIMUM COMPRESSION STRENGTH OF 4000 psi.
7. REINFORCING STEEL SHALL HAVE A YIELD STRENGTH OF 60,000 psi.

RECORD DRAWINGS

Revisions Drawn by EJA Date 6/1/2007

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE RECORD DRAWINGS.

AS BUILT INFORMATION

CONTRACTOR: NEW MEXICO UNDERGROUND CONTRACTORS INC. DATE 09/20/07
WORK STAKED BY: FEDRAL LAND SURVEYS LLC. DATE 04/20/07
WORK INSPECTED & ACCEPTANCE BY: CH2MHILL DATE 09/20/2007
FIELD VERIFICATION BY: CH2MHILL DATE 10/2/2007
DRAWINGS CORRECTED BY: CH2MHILL DATE 10/2/2007
MICRO FILM INFORMATION DATE 10/10/2007
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

MICHAEL A. BREWER NEW MEXICO 14338 REGISTERED PROFESSIONAL ENGINEER 9/26/06

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY EKH DATE 05/11/2005
DRAWN BY EJA DATE 06/03/2005
CHECKED BY MAB DATE 04/29/2006

CH2MHILL
6001 Indian School Rd, N.E., SUITE 350
Albuquerque, New Mexico 87110
(505) 884-5600

Albuquerque Bernalillo County
Water Utility Authority

TITLE: DURANES WELLS 2, 3 AND 6 WASHLINE MODIFICATIONS

MISCELLANEOUS DETAILS - AIR GAP CHAMBER

Design Review Committee: APPROVED SEP 26 2006 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED SEP 26 2006 CITY ENGINEER
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

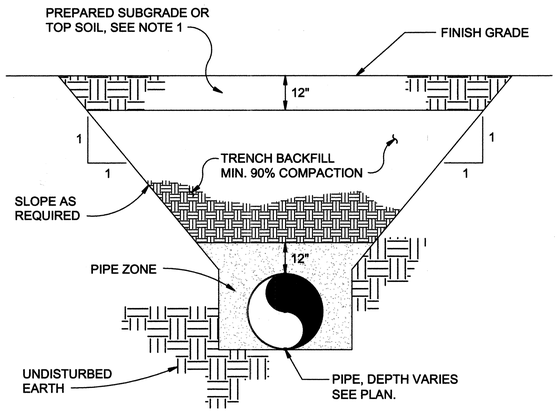
VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

CITY PROJECT NO. 7279-03
Zone Map No. -
SHEET 15 OF 16
DRAWING NO. 4-M-1

323454.BD.DP
323454_4-M-01.dwg
1=1
09/19/2006

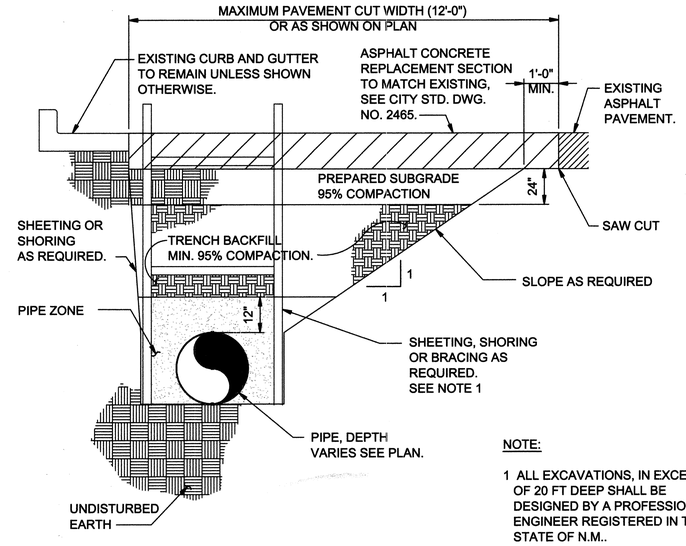
NOTES: 1. PROVIDE 12" PREPARED SUBGRADE, COMPACT TO 95% BENEATH SIDEWALKS OR BIKE PATHS.

2. ALL EXCAVATIONS, IN EXCESS OF 20 FT. DEEP SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF N.M.



TYPICAL TRENCH DETAIL OUTSIDE ROADWAY (1)

N.T.S.



NOTE:

1 ALL EXCAVATIONS, IN EXCESS OF 20 FT DEEP SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF N.M..

TYPICAL TRENCH DETAIL INSIDE ROADWAY (2)

N.T.S.

RECORD DRAWINGS

Revisions Drawn by EJA Date 5/1/2007

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NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

		DATE
DESIGNED BY	EKH	05/11/2005
DRAWN BY	EJA	06/03/2005
CHECKED BY	MAB	04/29/2006

AS BUILT INFORMATION

CONTRACTOR NEW MEXICO UNDERGROUND CONTRACTORS INC. WORK STAKED BY FEDRA LAND SURVEYS LLC. DATE 04/20/07
WORK INSPECTED BY CH2MHILL DATE 08/20/07
ACCEPTANCE BY CH2MHILL DATE 08/20/07
FIELD VERIFICATION BY CH2MHILL DATE 08/20/07
DRAWINGS CORRECTED BY CH2MHILL DATE 08/20/07
MICRO FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

MICHAEL A. BREMER NEW MEXICO 14288 REGISTERED PROFESSIONAL ENGINEER 7/26/06

CH2MHILL
6001 Indian School Rd, N.E., SUITE 350
Albuquerque, New Mexico 87110
(505) 884-5600

Albuquerque Bernalillo County
Water Utility Authority

TITLE: DURANES WELLS 2, 3 AND 6 WASHLINE MODIFICATIONS

MISCELLANEOUS DETAILS - TRENCH SECTIONS

Design Review Committee: APPROVED SEP 26 2006 DESIGN REVIEW COMMITTEE

City Engineer Approval: APPROVED SEP 26 2006 CITY ENGINEER

Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
0 1"
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CITY PROJECT NO. 7279-03

Zone Map No. -

SHEET 16 OF 16
DRAWING NO. 4-M-2

323454.BD.DP
323454_4-M-02.dwg
1=1
09/19/2006