

GENERAL NOTES

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 1986
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE & VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM DELAY.
3. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE @ 260-1990 FOR LOCATION OF EXISTING UTILITIES.
4. WATER SYSTEMS SHALL BE CONTACTED @ 857-8200, 3 WORKING DAYS PRIOR TO ANY SHUT-OFFS. ALL SHUT-OFFS SHALL BE AS PER SECTION 18.3 OF THE GENERAL CONDITIONS.
5. CONTRACTOR SHALL SUPPORT ALL EXISTING, UNDERGROUND UTILITY LINES WHICH BECOME EXPOSED DURING CONSTRUCTION. PAYMENT FOR SUPPORTING WORK SHALL BE INCIDENTAL TO WATERLINE AND/OR SEWERLINE COSTS.
6. ALL SANITARY SEWER MANHOLES SHALL BE 4 FEET IN DIAMETER UNLESS OTHERWISE NOTED.
7. CONTRACTOR SHALL NOTIFY THE BERNALILLO COUNTY PUBLIC WORKS, SHERIFF, AND FIRE DEPARTMENTS IN WRITING, A MINIMUM OF 5 WORKING DAYS PRIOR TO BEGINNING ANY WORK WITHIN COUNTY ROW. SEE ADDITIONAL NOTES ON SHEETS 15 & 17.
8. ALL WORK TO BE PERFORMED WITHIN AMAFCA PROPERTY SHALL BE ACCOMPLISHED TO THEIR COMPLETE SATISFACTION. AMAFCA STAFF AND PERSONNEL SHALL AT ALL TIMES BE PROVIDED ACCESS TO THE SITE FOR INSPECTION AND SHALL HAVE COMPLETE AUTHORITY TO REJECT ANY WORK NOT IN COMPLIANCE WITH SECTION 620 (AN ADDED SECTION TO THE TECHNICAL SPECIFICATIONS OF THE STANDARD SPECIFICATIONS). ALL WORK WITHIN THE AMAFCA PROPERTY SHALL BE PERFORMED BETWEEN OCTOBER 15 AND MAY 15. NO WORK SHALL BE ACCEPTED UNTIL ORIGINAL LINES AND GRADES HAVE BEEN RESTORED AND AMAFCA APPROVAL HAS BEEN GIVEN. SEE ADDITIONAL AMAFCA NOTES ON SHEET 9.
9. RESTRAINED JOINT FITTINGS SHALL BE PROVIDED AT ALL TEES, CROSSES, REDUCERS, BENDS, CAPS, PLUGS, AND VALVES SO THAT THE WATERLINE IS FULLY RESTRAINED IN ANY ONE GIVEN DIRECTION. PIPELINE JOINTS SHALL ALSO BE RESTRAINED WITHIN 20 FEET EACH SIDE OF EVERY FITTING CAP, PLUG, AND VALVE, UNLESS INDICATED OTHERWISE ON THE PLAN. CONCRETE THRUST BLOCKS WILL ONLY BE ALLOWED WHEN APPROVED IN WRITING BY THE PROJECT ENGINEER.
10. THIS PROJECT IS SUBJECT TO THE TERMS AND CONDITIONS OF THE MASTER UTILITY EASEMENT AND RIGHT-OF-WAY AGREEMENT ENTERED INTO BETWEEN THE COUNTY OF BERNALILLO AND THE CITY OF ALBUQUERQUE, EFFECTIVE DATE 8-20-1990.

WARNING - EXISTING UTILITY LINE LOCATIONS ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. THE LOCATION OF ANY SUCH EXISTING LINES IS BASED UPON INFORMATION PROVIDED BY THE UTILITY COMPANY, THE OWNER, OR BY OTHERS, AND THE INFORMATION MAY BE INCOMPLETE OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES.

THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY AND ALL EXISTING UTILITIES. THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES, IN PLANNING AND CONDUCTING EXCAVATION, WHETHER BY CALLING OR NOTIFYING THE UTILITIES, COMPLYING WITH "BLUE STAKES" PROCEDURES, OR OTHERWISE.

PASEO DEL NORTE

& LA ORILLA

WATERLINES

CONSTRUCTION PLANS

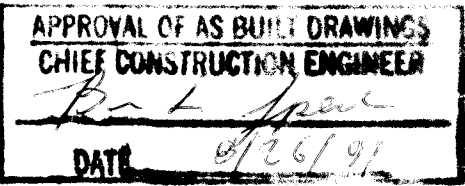
FOR

PUBLIC WORKS DEPARTMENT

CITY OF ALBUQUERQUE

INDEX OF SHEETS

SHEET NO.	TITLE
1	TITLE SHEET
2	LOCATION MAP & WATER VALVE SHUT-OFF PLAN
3-4	LA URILLA PLAN & PROFILE SHEETS
5-8	PASEO DEL NORTE P & P SHEETS
9-10	EAGLE RANCH ROAD P & P SHEETS
11	SURVEY CONTROL MAP FOR BID LOT B
12-14	BID LOT B P & P SHEETS
15	DETAILS
16	PRV STATION LAYOUT & DETAILS
17	TRAFFIC CONTROL PLAN



SCANNED BY
BY LASON

WARNING
This is not a record document. Record documents are those submitted by others. Engineers cannot assume responsibility for the accuracy of record documents. Record documents are cautioned and advised to obtain independent verification of actual conditions.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 40321900191

REV.	SHEETS	CITY ENGR.	DATE	USER DEPT.	DATE	USER DEPT.	DATE
APPROVAL OF REVISIONS							

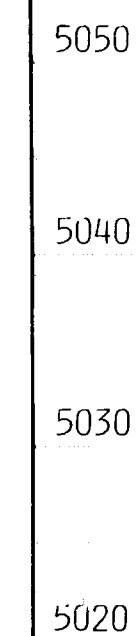
APPROVAL OF AS BUILD DRAWINGS
CHIEF CONSTRUCTION ENGINEER
DATE 8-8-90

Isaacson & Arfman, P.A.
CONSULTING ENGINEERING ASSOCIATES
Albuquerque, New Mexico

APPROVED FOR CONSTRUCTION
[Signature]
10-1-90

PROJECT NO. 4032,90

SHEET 1 OF 17



SCALES
HOR: 1"=50'
VER: 1"=10'

1. PAVEMENT REPLACEMENT ON LA ORILLA RD NW FROM STA. 3+50 TO STA. 11+50 SHALL BE A MINIMUM OF 24 FEET WIDE PER COUNTY OF BERNALILLO PAVEMENT CUT DETAIL ON SHEET 15.
2. REMOVAL AND REPLACEMENT OF THE EXISTING 36" CMP CULVERT AT STA. 2+78, IF REQUIRED, SHALL BE CONSIDERED INCIDENTAL TO THE WATER-LINE CONSTRUCTION AND NO SEPARATE PAYMENT WILL BE MADE THEREFOR.
3. CROSS HATCHED AREA SHOWN IS APPROXIMATE LIMIT OF ASPHALT PAVEMENT REMOVAL. SEE NOTE 1 FOR PAVEMENT REPLACEMENT.
4. THE EXISTING TELEPHONE LINE SHALL BE EITHER SUPPORTED DURING CONSTRUCTION OR REMOVED & REPLACED. UTILITY RELOCATIONS SHALL BE REIMBURSED PER SECTION 9 OF THE SPECIFICATIONS.

SCANNED BY
BY LASON

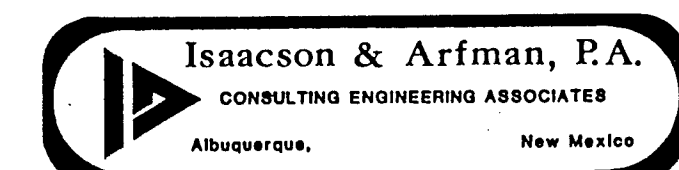
RECORD DRAWING

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APPROVED FOR CONSTRUCTION

Bernalillo County Public Works Dept.
Boles A. Romero 8/28/90
DATE



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **PASEO DEL NORTE & LA ORILLA WATERLINES**

LA ORILLA-STA. 0+00 to 10+00

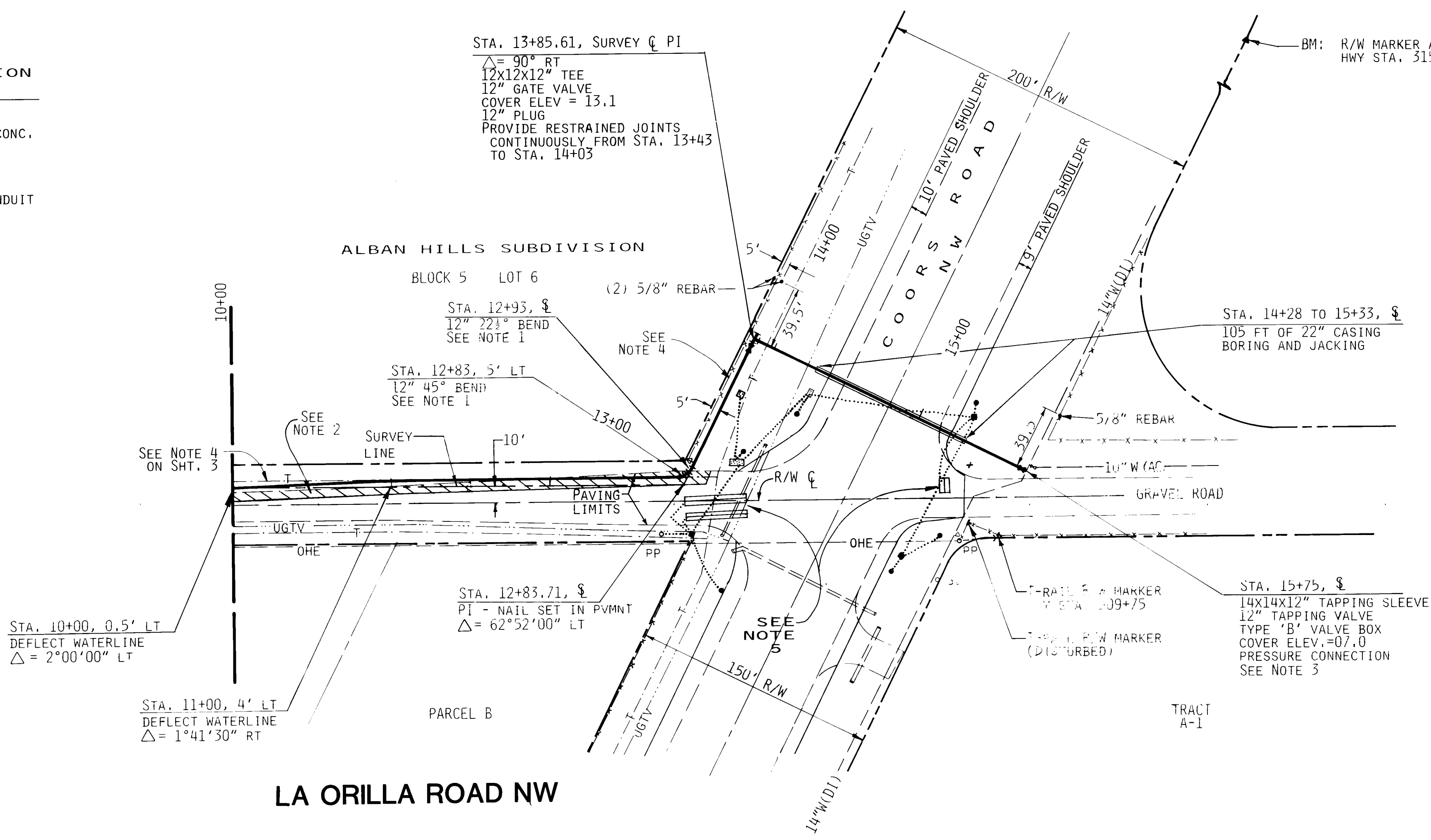
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C Chair			Water	R.W. Kane	8-31-80
Trans. Dev	<i>P. Smith</i>	9-26-80	Waste Water	R.W. Kane	8-31-80
Hydrology	<i>P. Smith</i>	9-26-80			

PROJECT NO.	4032.90	MAP NO.	D-12	SHEET	3	OF	17
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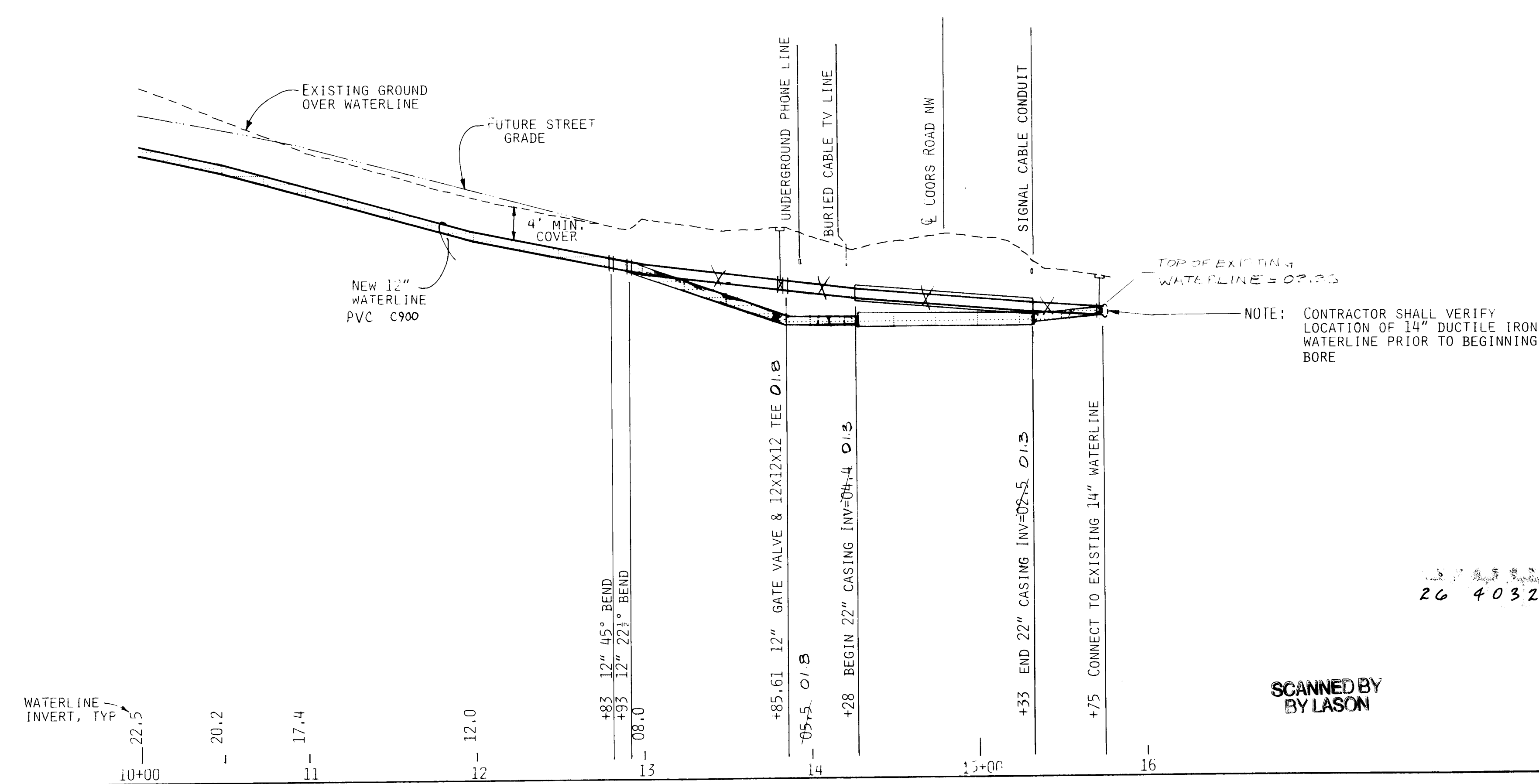
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SIGNALIZED INTERSECTION
LEGEND

- CONTROL BOX IN CONC. PAD
- VEHICLE SENSOR
- SIGNAL CABLE CONDUIT
- PULLBOX
- TELEPHONE BOX
- TRAFFIC SIGNAL



LA ORILLA ROAD NW



NOTES

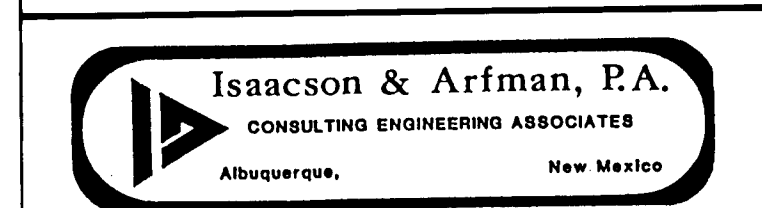
- THE CONTRACTOR SHALL PROVIDE RESTRAINED JOINTS AND ACCOMPLISH THE ADDITIONAL REQUIRED DEFLECTION OF 4°38'00" TO THE RIGHT, BETWEEN STA. 12+58 & STA. 13+18.
- CROSSHATCHED AREA SHOWN REPRESENTS APPROXIMATE LIMIT OF ASPHALT PAVEMENT REMOVAL. SEE NOTE 1 (SHT.3) FOR REPLACEMENT.
- FOR PAYMENT PURPOSES, THE TAPPING VALVE SHALL BE CONSIDERED AS A 12" GATE VALVE.
- REMOVE & REPLACE EXISTING FENCE AS NEEDED--THIS WORK IS INCIDENTAL TO THE WATERLINE CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REINSTALLING ANY VEHICLE SENSORS OR SIGNAL CABLE CONDUIT THAT IS DISTURBED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.

CAUTION

BOTH THE UNDERGROUND TELEPHONE LINE (FIBER OPTIC CABLE) AND THE CABLE TELEVISION LINE ARE TRUNK FACILITIES. THE CONTRACTOR SHALL NOTIFY REPRESENTATIVES OF THESE UTILITIES PRIOR TO CONSTRUCTING THE BORE PIT IN COORS ROAD NW. ALL TRAFFIC CONTROL WORK REQUIRED FOR THE BORE SHALL BE PAID FOR UNDER THE LUMP SUM BID ITEM NO. 28.

WARNING
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APPROVED FOR CONSTRUCTION
Bolado A. Romero 8/23/90
BERNALILLO COUNTY
PUBLIC WORKS DEPT.

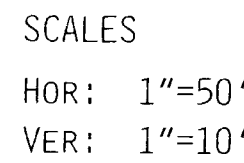


CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **PASEO DEL NORTE & LA ORILLA WATERLINES
LA ORILLA-STA. 10+00 to END**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair					
Trans. Dev.	<i>R. B. B.</i>	9-26-90			
Utility Dev.	<i>H. W. Kane</i>	8-31-90			
Hydrology	<i>R. M. M.</i>	9-26-90			

DRAWING NO. **4032.90** MAP NO. **D-12** SHEET **4** OF **17**



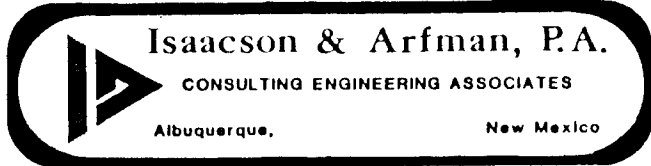
1. CONTRACTOR SHALL INSTALL THE WATERLINE ON A CURVED ALIGNMENT AS SHOWN FROM STA. 2+76.20 TO STA. 8+85.56 BY DEFLECTING THE PIPE 0°43'15" PER JOINT.
2. WATERLINE CURVE DATA IS GIVEN ON THE NEXT SHEET FOR THE CURVE BEGINNING AT STA. 11+85.56.
3. AIR & VACUUM VALVES SHALL BE CONSTRUCTED PER CITY STD. DWG. #2350.

SCANNED BY
BY LASON

26. 403.2.900591

RECORD DRAWING

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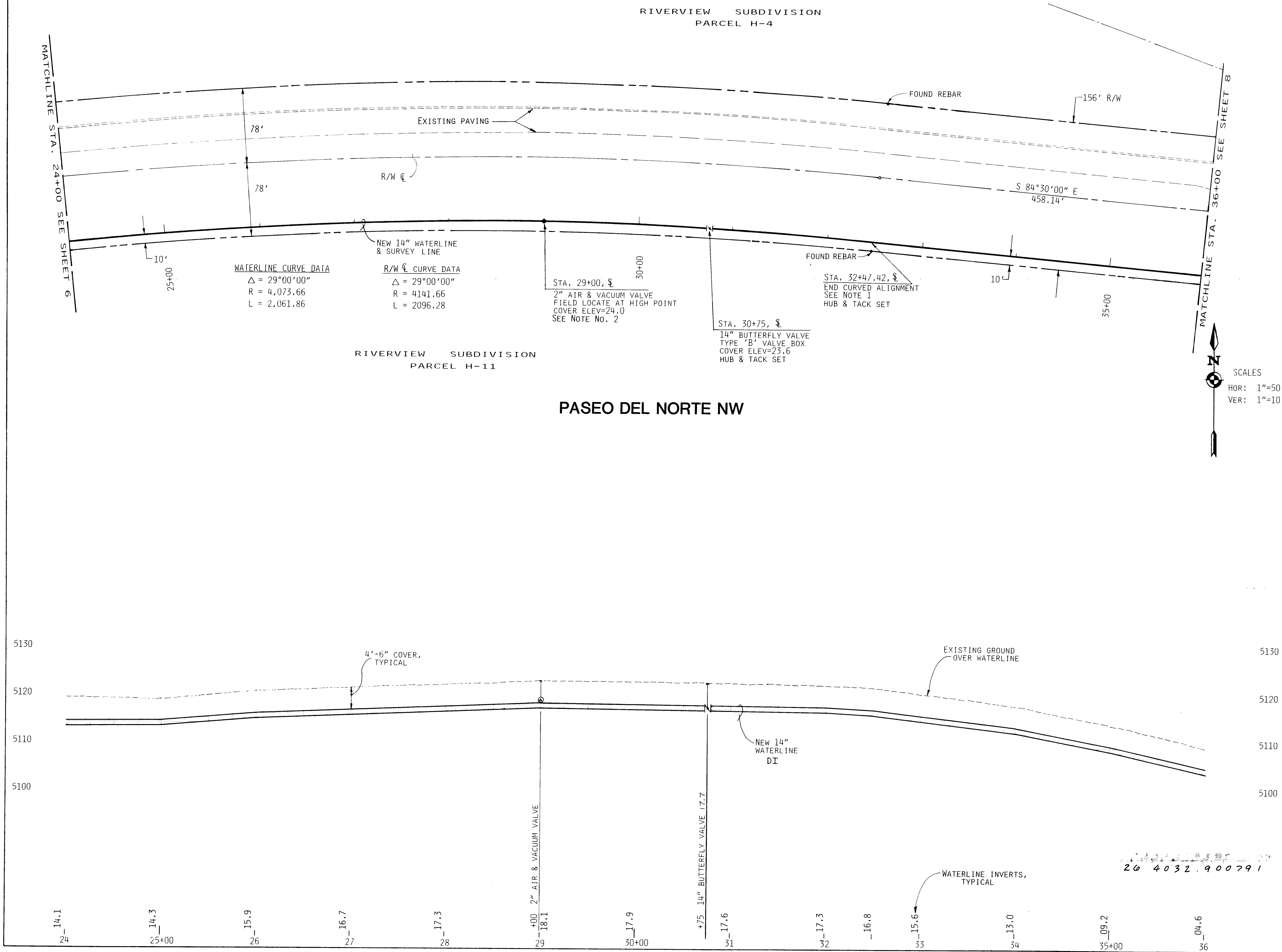
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **PASEO DEL NORTE & LA ORILLA WATERLINES**
PASEO DEL NORTE-STA. 0+00 to 12+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D R C Chair					
Trans Dev	<i>R. Pank</i>	<i>9-26-90</i>			
Utility Dev	<i>R. W. Kane</i>	<i>8-7-90</i>			
<i>Hyp. Div</i>	<i>J. R. Ming</i>	<i>9-26-90</i>			

DRAWING NO. 4032.90	MAP NO. C-12	SHEET 5 OF 17
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10000



- NOTES
1. CONTRACTOR SHALL INSTALL THE WATERLINE ON THE CURVED ALIGNMENT SHOWN TO STA. 32+47.42 BY DEFLECTING THE PIPE 0°15'10" PER JOINT.
 2. AIR & VACUUM VALVES SHALL BE CONSTRUCTED PER CITY STD. DWG. #2350.

AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL			REVISIONS			DESIGNED BY			DRAWN BY			CHECKED BY		
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	4-90	W.P.																					
CONTRACTOR: C.C.M.			WORK BY: GEO. CURVE'S DATE: 5/91			INSPECTOR'S: ACCEPTANCE BY: F. ARELLANO DATE: 5/91			VERIFICATION BY: J. A. DATE: 5/91			DRAWING BY: J. A. DATE: 5/91			RECORDED BY: DATE: 5/91			ELEVATION = 5058.25			NO.		
ACS BM "R", ALAMEDA B. NO. 2, "A" METAL TABLET SET IN A CONCRETE POST LOCATED 600 FT WEST OF COORS RD WITHIN THE 100' WIDE PNM EASEMENT AND 187 FT SW OF THE POWER POLE STAMPED #NR36.																							

SCANNED BY BY LASON

RECORD DRAWING

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Isaacson & Arfman, P.A.
CONSULTING ENGINEERING ASSOCIATES
Albuquerque, New Mexico

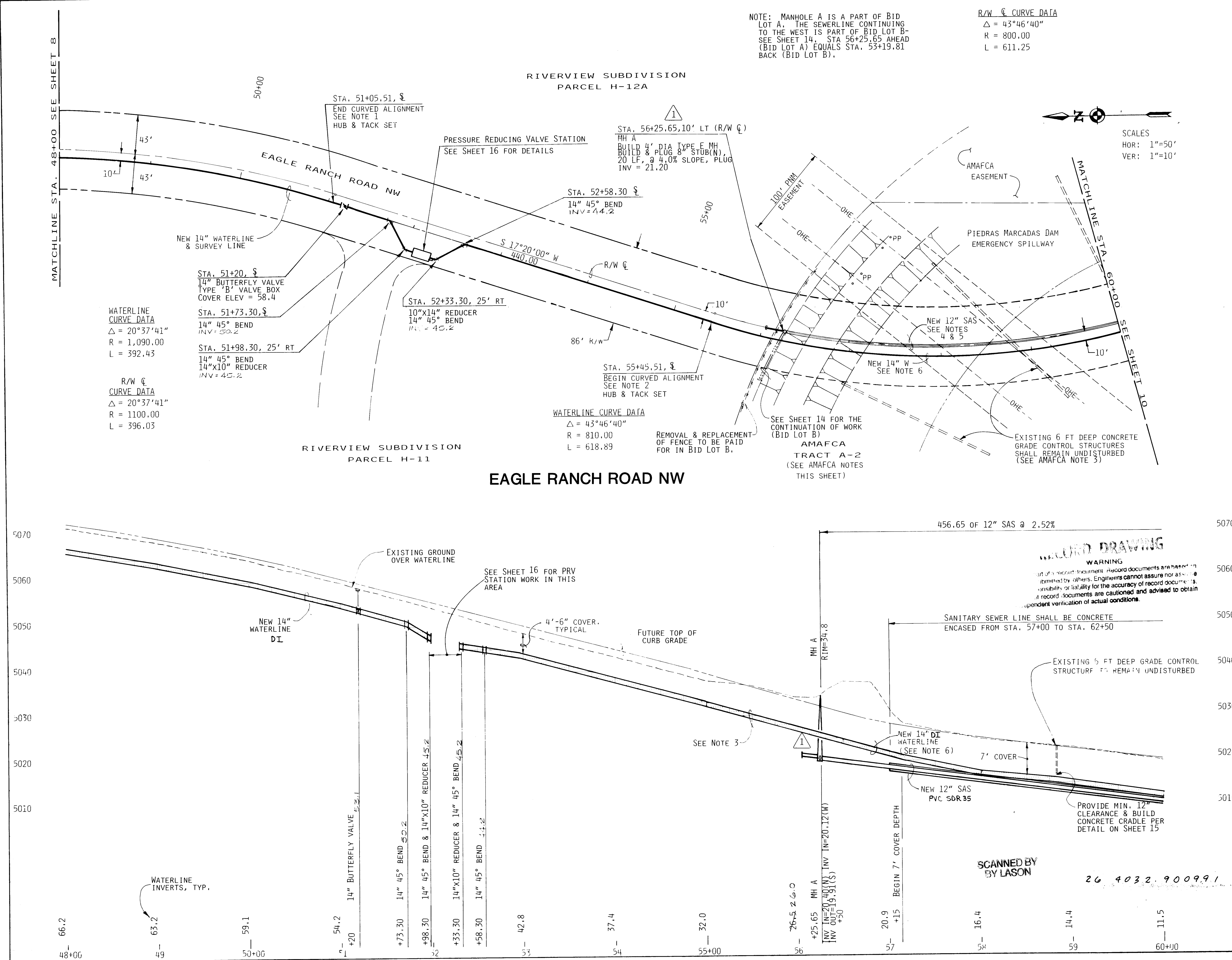
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: PASEO DEL NORTE & LA ORILLA WATERLINES
PASEO DEL NORTE-STA. 24+00 to 36+00

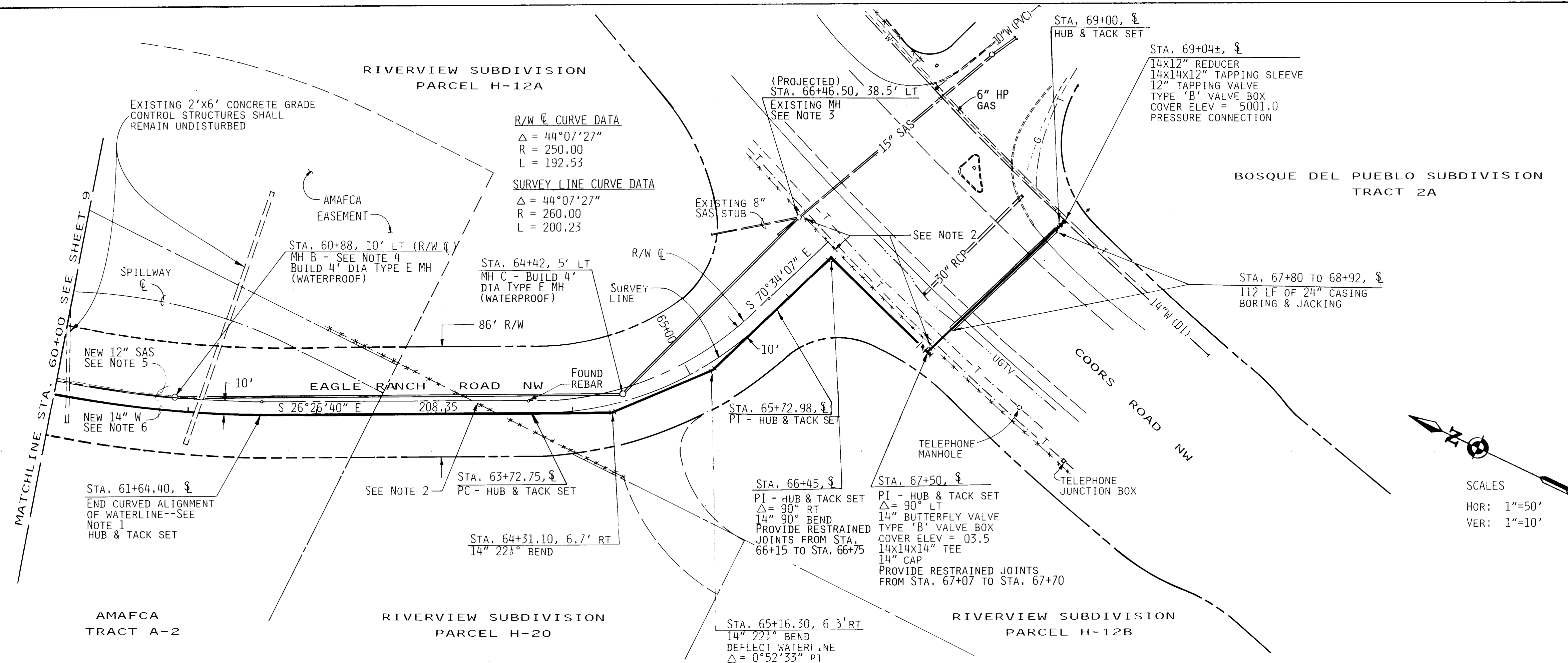
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
ORC Chair					
Trans. Dev	R.W. Kane	8-26-90			
Utility Dev	R.W. Kane	8-31-90			
Hyd. Dev	R.W. Kane	9-14-90			

DRAWING NO. 4032.90 MAP NO. C-12 SHEET 7 OF 17

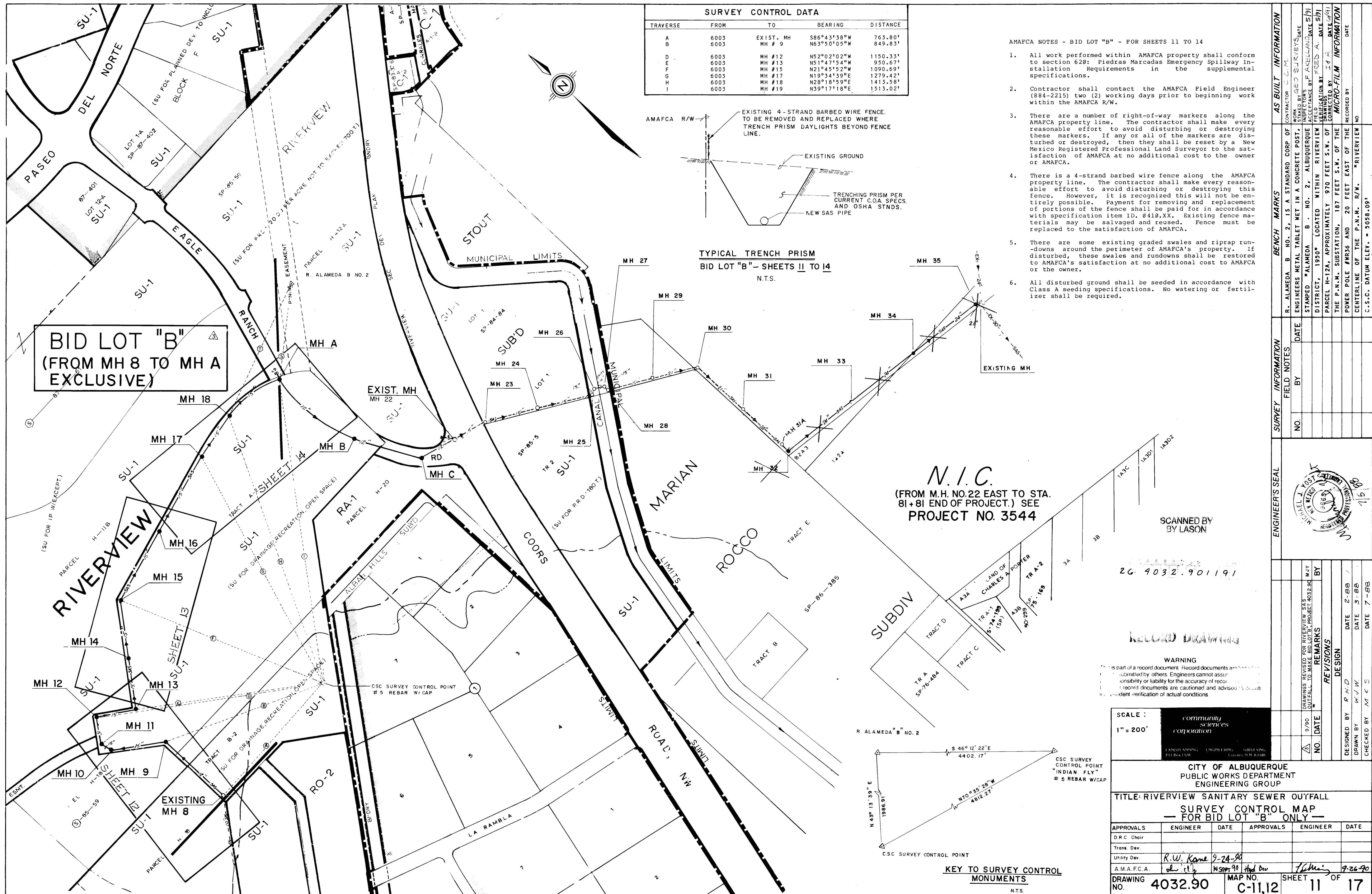
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NOTES		
1. CONTRACTOR SHALL INSTALL THE WATERLINE ON THE CURVED ALIGNMENT SHOWN TO STA. 51+05.51 BY DEFLECTING THE PIPE 0°56'20" PER JOINT.		
2. CONTRACTOR SHALL INSTALL THE WATERLINE ON THE CURVED ALIGNMENT SHOWN BEGINNING AT STA. 55+45.51 BY DEFLECTING THE PIPE 1°17'15" PER JOINT.		
3. CONTRACTOR SHALL MAKE A SMOOTH TRANSITION IN THE WATERLINE FROM TYPICAL 4'-6" COVER TO 7'-0" COVER. THE 7' COVER SHALL BE PROVIDED BETWEEN STA. 56+25 AND STA. 62+50.		
4. CONTRACTOR SHALL INSTALL THE SANITARY SEWER LINE ON THE CURVED ALIGNMENT SHOWN BY DEFLECTING THE PIPE 1°26'20" PER 20' LENGTH.		
5. FROM STA. 57+00 TO STA. 62+50, THE 12" SANITARY SEWER LINE SHALL BE CONCRETE ENCASED PER STD. DWG. NO. 2140.		
6. FROM STA. 56+00 TO STA. 62+50, THE 14" WATERLINE SHALL BE DUCTILE IRON PIPE--THICKNESS CLASS 53.		
AMAFCA NOTES		
1. ALL WORK PERFORMED WITHIN THE AMAFCA PROPERTY SHALL CONFORM TO SECTION 620: PIEDRAS MARCADAS DAM PROPERTY INSTALLATION REQUIREMENTS IN THE SUPPLEMENTAL TECHNICAL SPECIFICATIONS.		
2. CONTRACTOR SHALL CONTACT THE AMAFCA FIELD ENGINEER (884-2215) TWO (2) WORKING DAYS PRIOR TO BEGINNING WORK WITHIN THE AMAFCA R.O.W.		
3. AMAFCA SHALL INSPECT THE GRADE CONTROL STRUCTURES PRIOR TO THE POURING OF THE CONCRETE CRADLES AS SHOWN ON PAGE 15. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE GRADE CONTROL STRUCTURE AND SHALL REPAIR SAME TO THE COMPLETE SATISFACTION OF AMAFCA AT NO ADDITIONAL COST TO EITHER THE OWNER OR AMAFCA.		
APPROVED FOR CONSTRUCTION John Kelly A.M.A.F.C.A. 8 AUG 90 DATE		
Isaacson & Arfman, P.A. CONSULTING ENGINEERING ASSOCIATES Albuquerque, New Mexico		
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP		
TITLE: PASEO DEL NORTE & LA ORILLA WATERLINES EAGLE RANCH ROAD-STA. 48+00 TO 60+00		
APPROVALS	ENGINEER	DATE
D.R.C. Chair		
Trans. Dev		
Utility Dev		
Hyd. Dev		
DRAWING NO.	4032.90	MAP NO. C-12
SHEET 9 OF 17		



APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chair					
Trans Dev	<i>R. Rame</i>	9-26-90			
Utility Dev	<i>R.W. Rame</i>	8-31-90			
Hyd Div.	<i>P. Rame</i>	9-26-90			



SURVEY CONTROL DATA				
TRAVERSE	FROM	TO	BEARING	DISTANCE
A	6003	EXIST. MH	S86°43'38"W	763.80'
B	6003	MH # 9	N63°50'05"W	849.83'
D	6003	MH #12	N52°02'02"W	1150.33'
E	6003	MH #13	N51°47'54"W	950.67'
F	6003	MH #15	N21°45'52"W	1090.69'
G	6003	MH #17	N19°34'39"E	1279.42'
H	6003	MH #18	N28°18'59"E	1413.58'
I	6003	MH #19	N39°17'18"E	1513.02'

- AMAFCA NOTES - BID LOT "B" - FOR SHEETS 11 TO 14
- All work performed within AMAFCA property shall conform to section 620: Piedras Marcadas Emergency Spillway Installation Requirements in the supplemental specifications.
 - Contractor shall contact the AMAFCA Field Engineer (884-2215) two (2) working days prior to beginning work within the AMAFCA R/W.
 - There are a number of right-of-way markers along the AMAFCA property line. The contractor shall make every reasonable effort to avoid disturbing or destroying these markers. If any or all of the markers are disturbed or destroyed, then they shall be reset by a New Mexico Registered Professional Land Surveyor to the satisfaction of AMAFCA at no additional cost to the owner or AMAFCA.
 - There is a 4-strand barbed wire fence along the AMAFCA property line. The contractor shall make every reasonable effort to avoid disturbing or destroying this fence. However, it is recognized this will not be entirely possible. Payment for removing and replacement of portions of the fence shall be paid for in accordance with specification item ID. 0410.XX. Existing fence materials may be salvaged and reused. Fence must be replaced to the satisfaction of AMAFCA.
 - There are some existing graded swales and riprap run-downs around the perimeter of AMAFCA's property. If disturbed, these swales and run-downs shall be restored to AMAFCA's satisfaction at no additional cost to AMAFCA or the owner.
 - All disturbed ground shall be seeded in accordance with Class A seeding specifications. No watering or fertilizer shall be required.

TYPICAL TRENCH PRISM
BID LOT "B" - SHEETS 11 TO 14
N.T.S.

N.I.C.
(FROM M.H. NO. 22 EAST TO STA. 81+81 END OF PROJECT.) SEE PROJECT NO. 3544

SCANNED BY
BY LASON

26. 4032.901191

RECORD DRAWING

WARNING
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SCALE :
1" = 200'

community sciences corporation

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: RIVERVIEW SANITARY SEWER OUTFALL
SURVEY CONTROL MAP
- FOR BID LOT "B" ONLY -

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair					
Trans. Dev.					
Utility Dev.	R.W. Kane	9-24-90			
A.M.A.F.C.A.	John R. Kane	9-24-90	Had Div	John R. Kane	9-26-90
DRAWING NO.	4032.90	MAP NO.	C-11,12	SHEET	11 OF 17

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	C.C.M.	R. ALAMEDA	B. NO. 2, IS A STANDARD CORP OF ENGINEERS METAL TABLET SET IN A CONCRETE POST, STAMPED "ALAMEDA B. NO. 2, ALBUQUERQUE DISTRICT, 1950" LOCATED WITHIN RIVERVIEW PARCEL H-12A, APPROXIMATELY 970 FEET S.W. OF THE P.N.M. SUBSTATION, 187 FEET S.W. OF THE POWER POLE #B36 AND 20 FEET EAST OF THE CENTERLINE OF THE P.N.M. R/W. "RIVERVIEW" C.S.C. DATUM ELEV. = 5058.09'	NO.	DATE	NO.	DATE
INSPECTORS	DATE	DATE	DATE	DATE	DATE	DATE	DATE
DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE

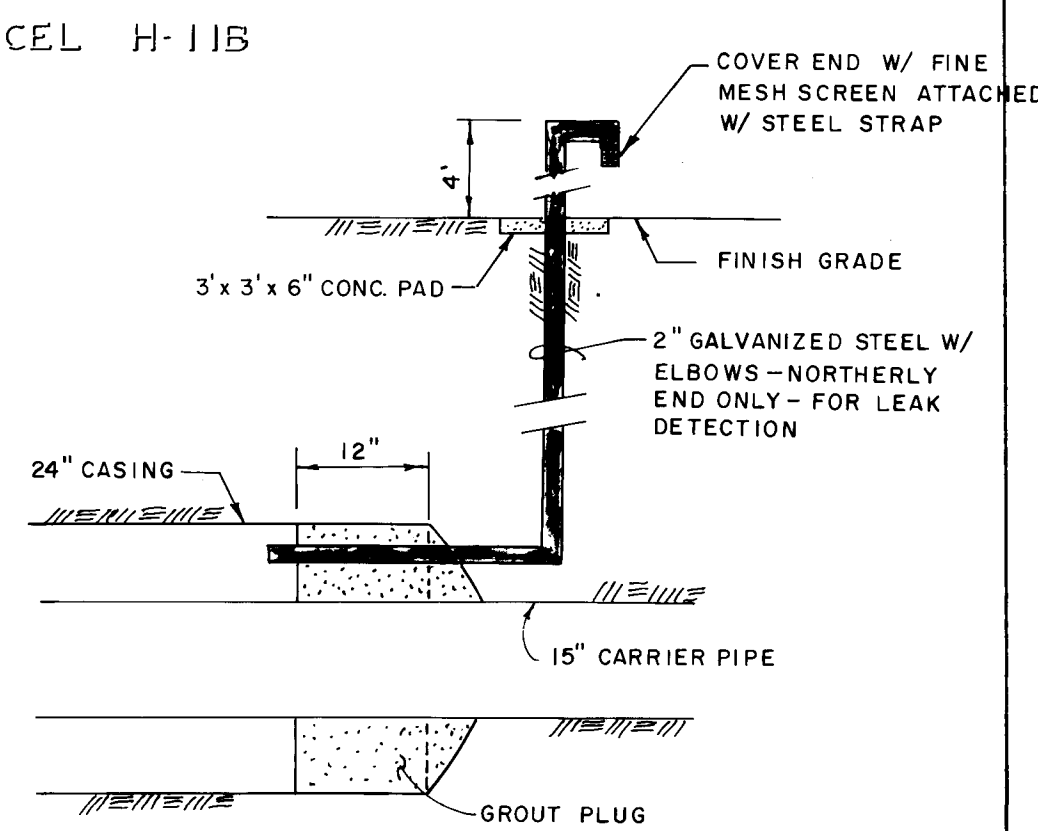
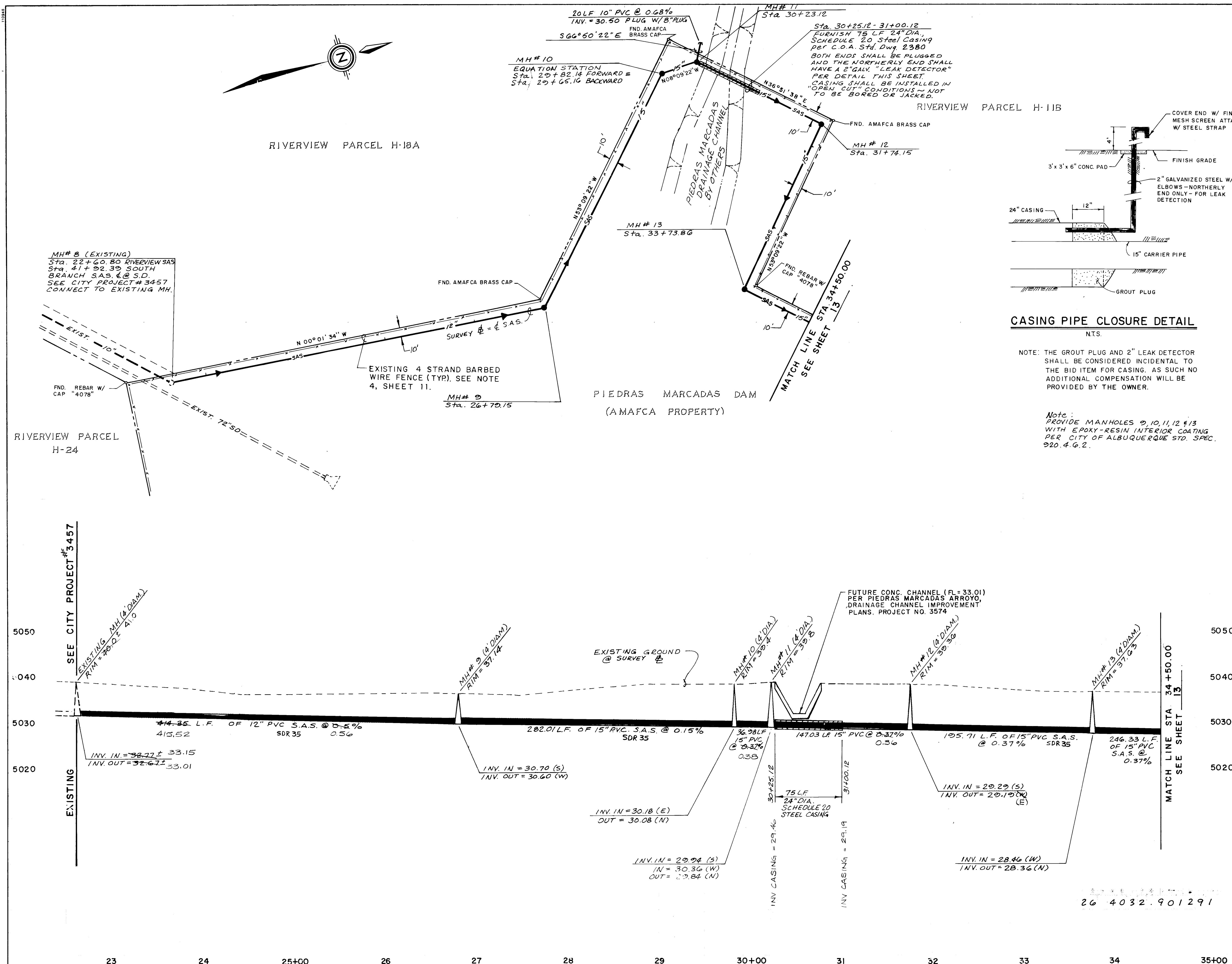
FIELD NOTES	BY	DATE
NO.	DATE	DATE
DATE	DATE	DATE
DATE	DATE	DATE

ENGINEER'S SEAL	REVISIONS
NO.	DATE
DATE	DATE
DATE	DATE

REVISIONS	DESIGN
NO.	DATE
DATE	DATE
DATE	DATE

DESIGNED BY	R.H.D.	DATE	2-88
DRAWN BY	W.J.W.	DATE	3-88
CHECKED BY	M.E.S.	DATE	7-88

110948



CASING PIPE CLOSURE DETAIL

NOTE: THE GROUT PLUG AND 2\"/>

Note:
PROVIDE MANHOLES 9, 10, 11, 12 & 13
WITH EPOXY-RESIN INTERIOR COATING
PER CITY OF ALBUQUERQUE STD. SPEC.
920.4.G.2.

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BY LASON

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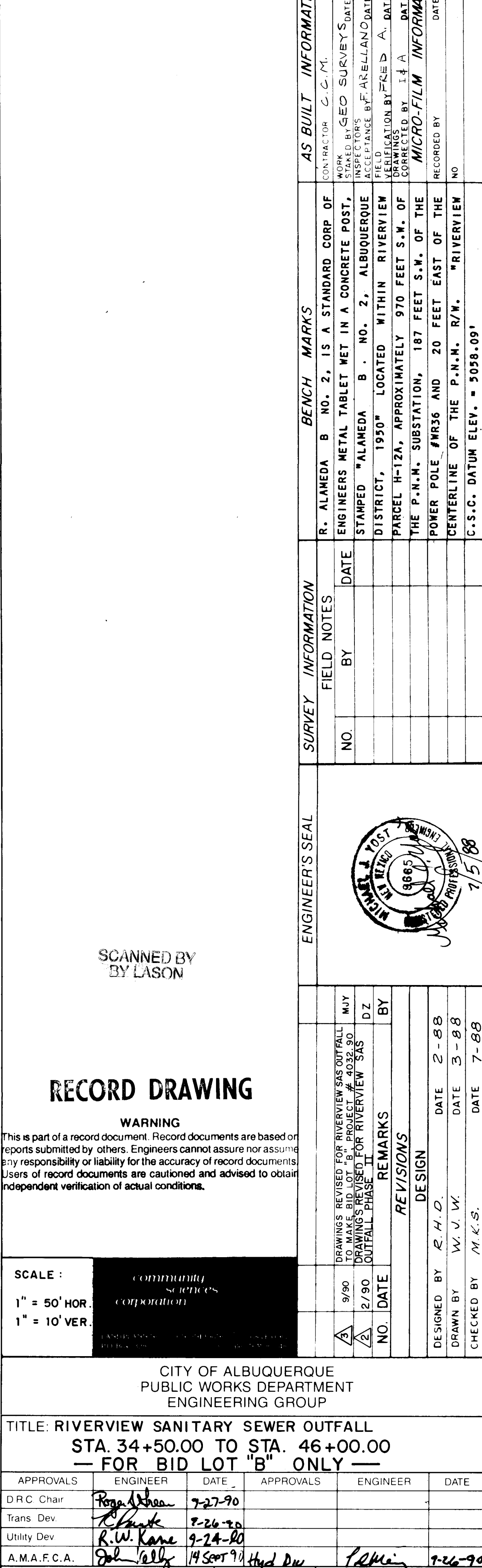
SCALE :
1\"/>

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: RIVERVIEW SANITARY SEWER OUTFALL
STA. 22+60.80 TO STA. 34+50.00
— FOR BID LOT "B" ONLY —

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>Roy L. Hagan</i>	9-27-90			
Trans. Dev.	<i>R. W. Kane</i>	9-26-90			
Utility Dev.	<i>R. W. Kane</i>	9-24-90			
A.M.A.F.C.A.	<i>R. W. Kane</i>	9-26-90			
DRAWING NO.	4032.90	MAP NO.	C, D-12	SHEET	12 OF 17

BENCH MARKS		AS BUILT INFORMATION	
R. ALAMEDA	B NO. 2, IS A STANDARD CORP OF ENGINEERS METAL TABLE SET IN A CONCRETE POST, STAMPED "ALAMEDA B. NO. 2, ALBUQUERQUE DISTRICT, 1950" LOCATED WITHIN RIVERVIEW PARCEL H-12A, APPROXIMATELY 970 FEET S.W. OF THE P.N.M. SUBSTATION, 187 FEET S.W. OF THE POWER POLE #WRS36 AND 20 FEET EAST OF THE CENTERLINE OF THE P.N.M. R/W. "RIVERVIEW" C.S.C. DATUM ELEV. = 5038.09'	CONTRACTOR	C.C.M.
SURVEY INFORMATION		FIELD NOTES	
NO.	BY	NO.	BY
DATE		DATE	
ENGINEER'S SEAL		REVISIONS	
		NO.	DATE
		BY	DATE
DESIGNED BY R.H.O.		DATE	2-88
DRAWN BY W.J.W.		DATE	3-88
CHECKED BY M.K.S.		DATE	7-88



WARNING
This is part of a record document. Record documents are based on reports submitted by others. Engineers cannot assure nor assume any responsibility or liability for the accuracy of record documents. Users of record documents are cautioned and advised to obtain independent verification of actual conditions.

SCALE :

1" = 50' HOR

1" = 10' VER

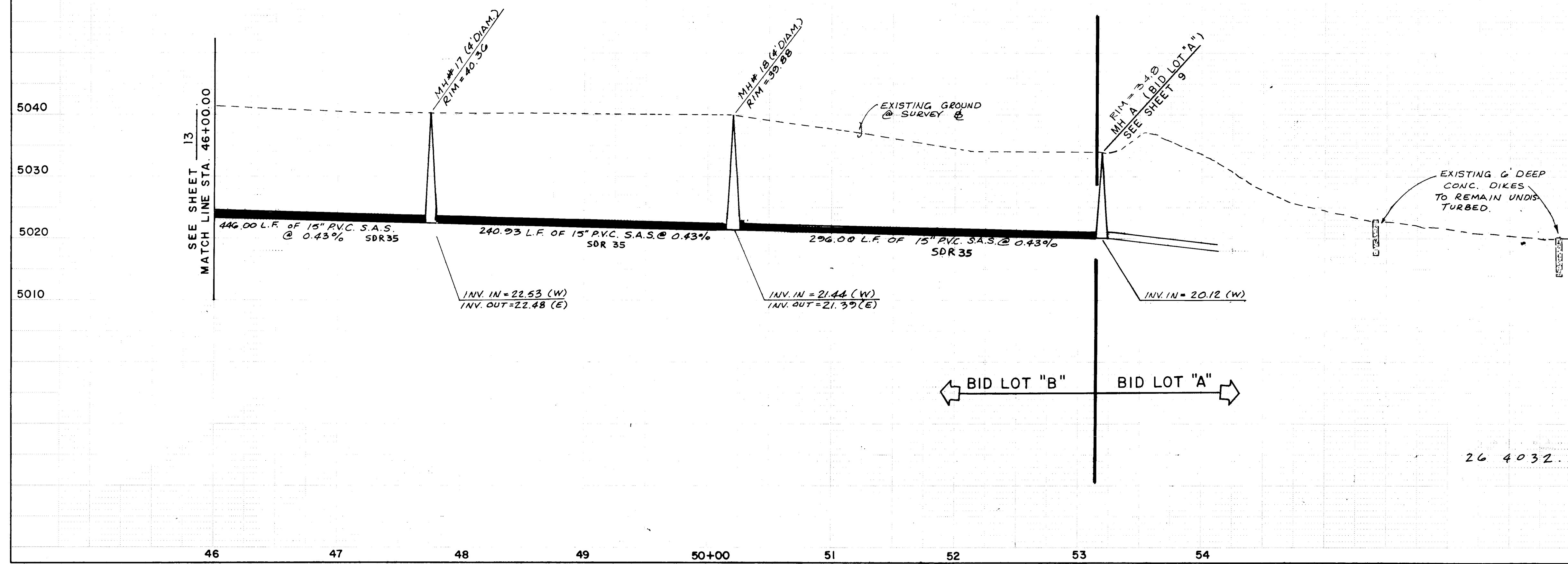
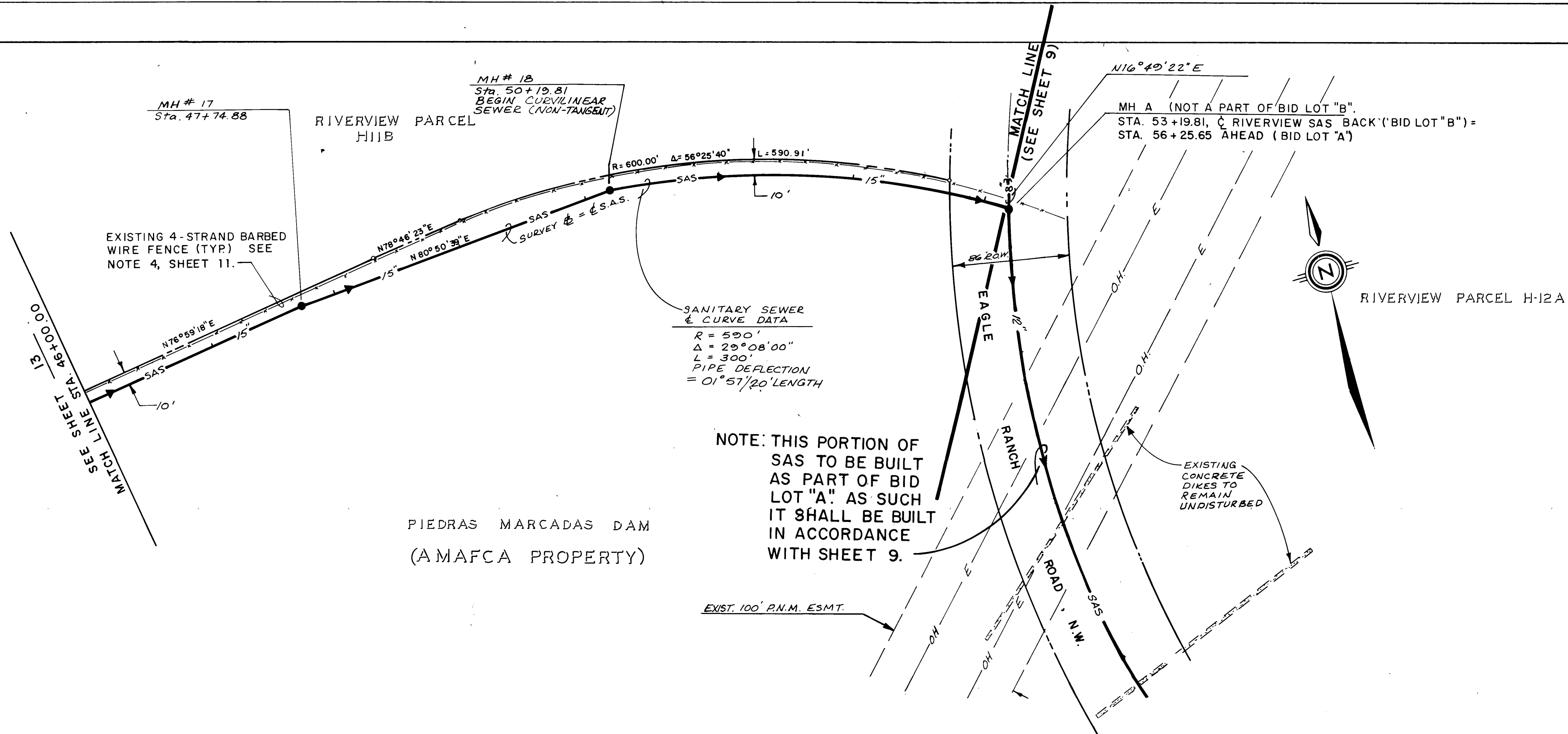
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: RIVERVIEW SANITARY SEWER OUTFALL
STA. 34+50.00 TO STA. 46+00.00
— FOR BID LOT "B" ONLY —

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>P. W. Kane</i>	7-27-90			
Trans. Dev.	<i>R. W. Kane</i>	7-26-90			
Utility Dev.	<i>R. W. Kane</i>	9-24-90			
A.M.A.F.C.A.	<i>John Kelly</i>	14 Sept 91	<i>Hand Rev</i>	<i>P. W. Kane</i>	7-26-90

DRAWING NO.	4032.90	MAP NO.	C-12	SHEET	13	OF	17
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110944



SCANNED BY
BY LASON

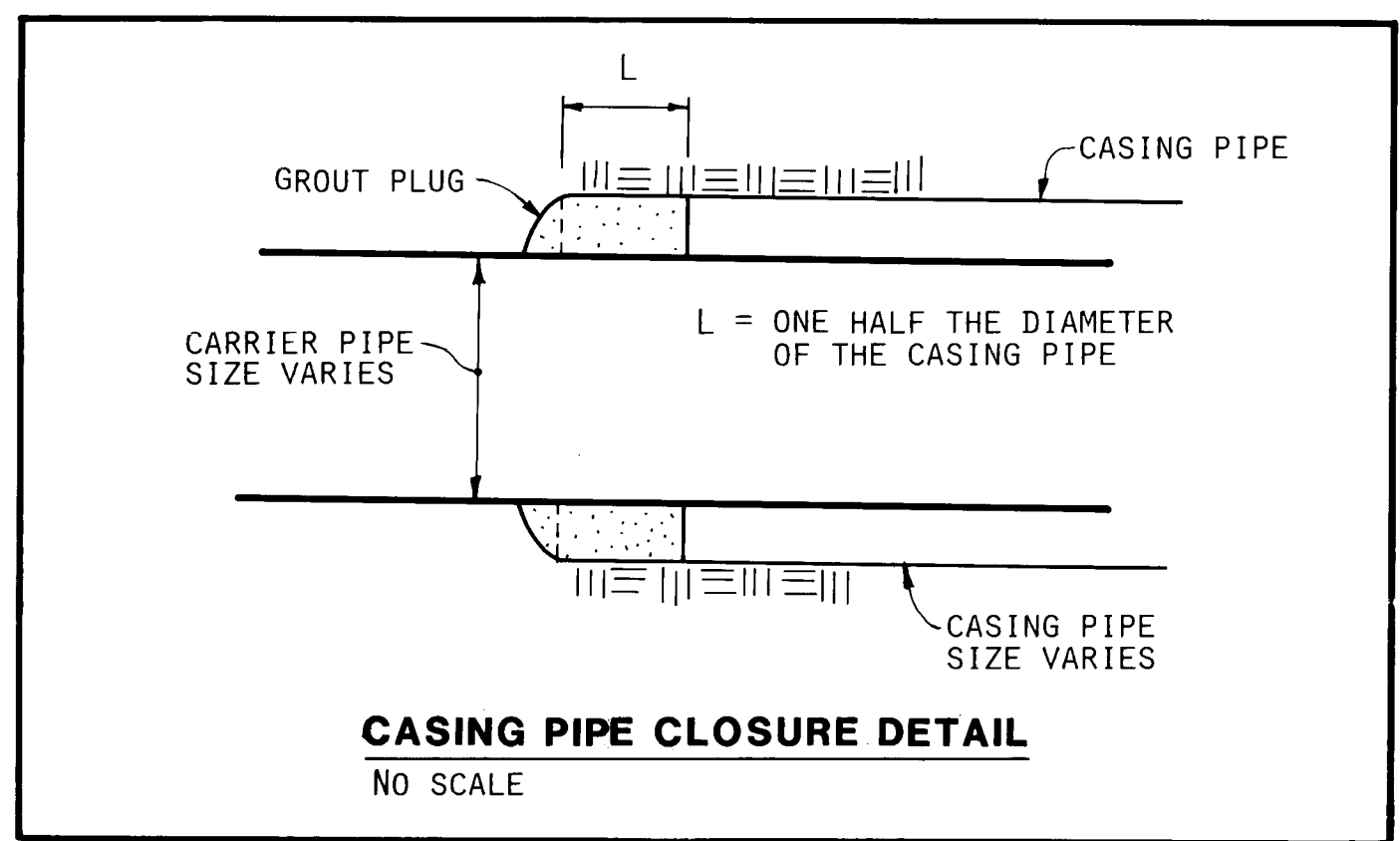
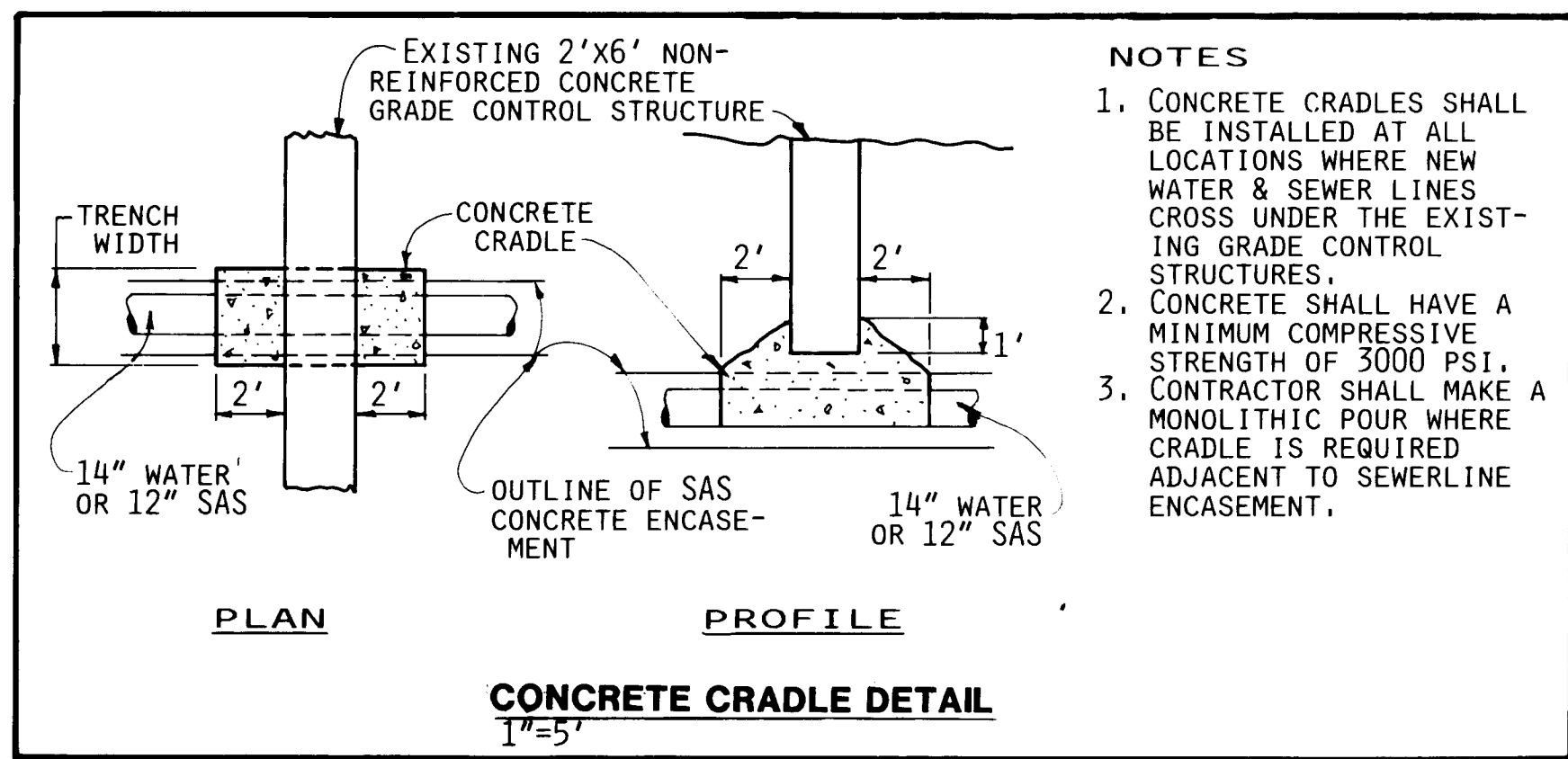
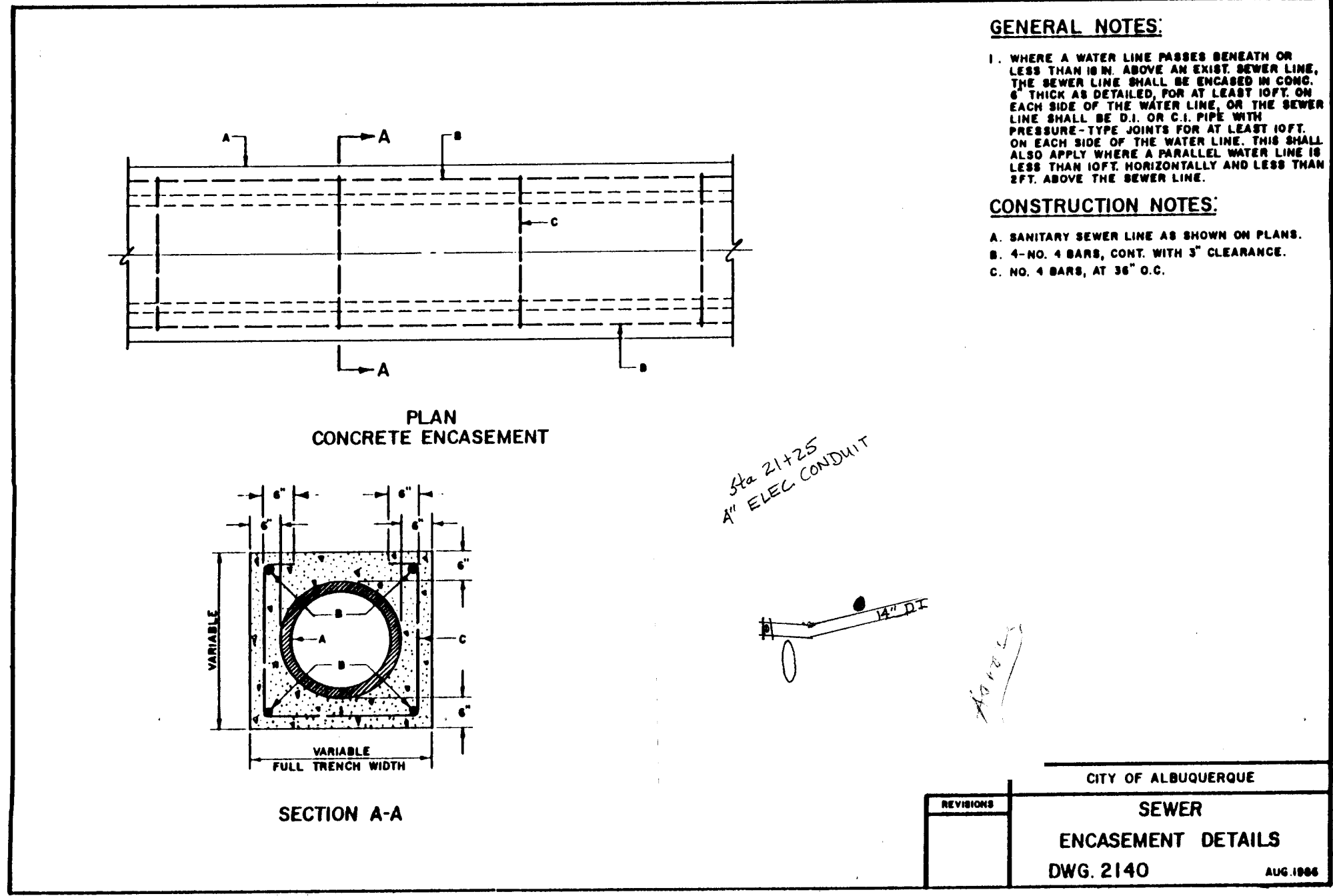
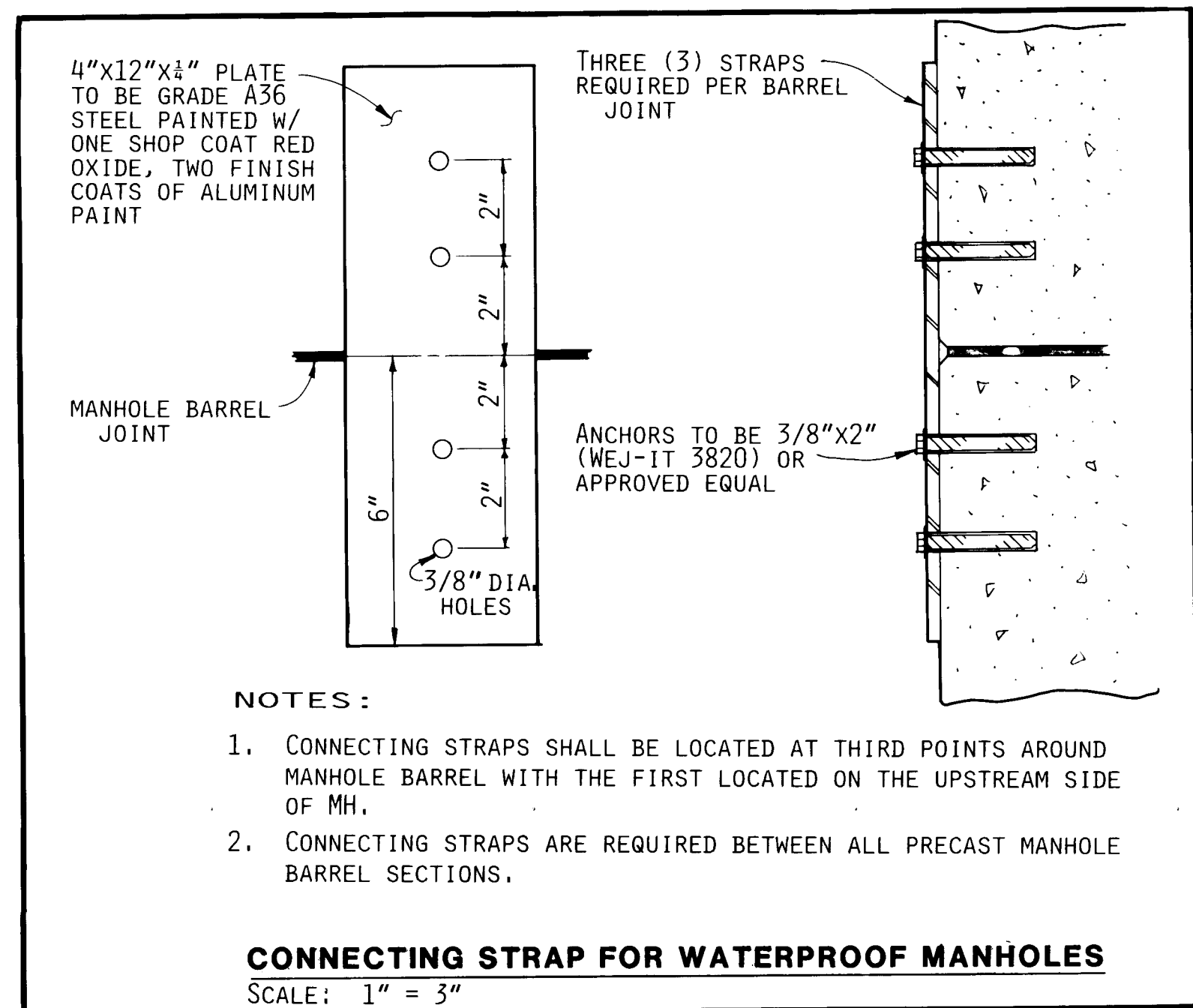
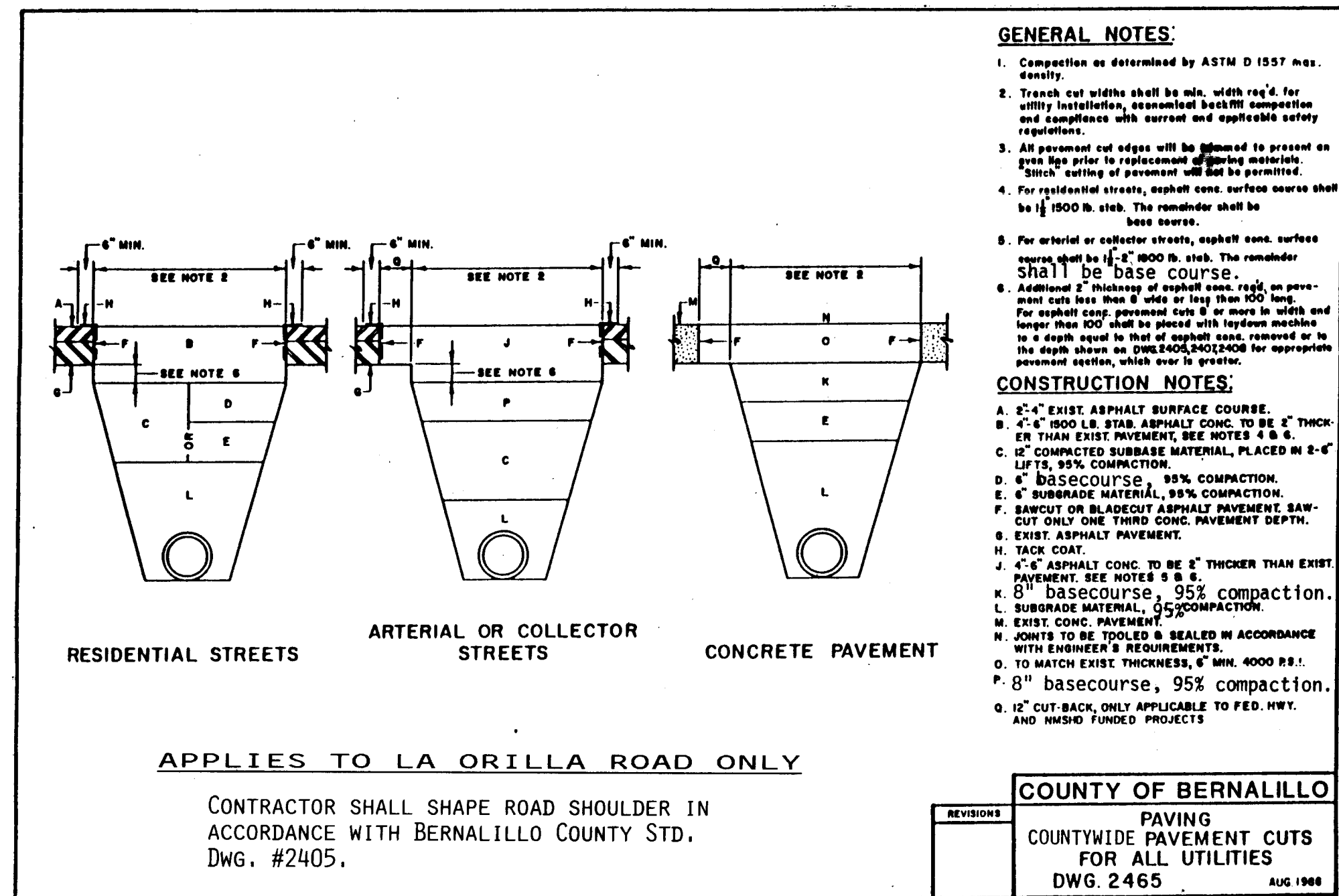
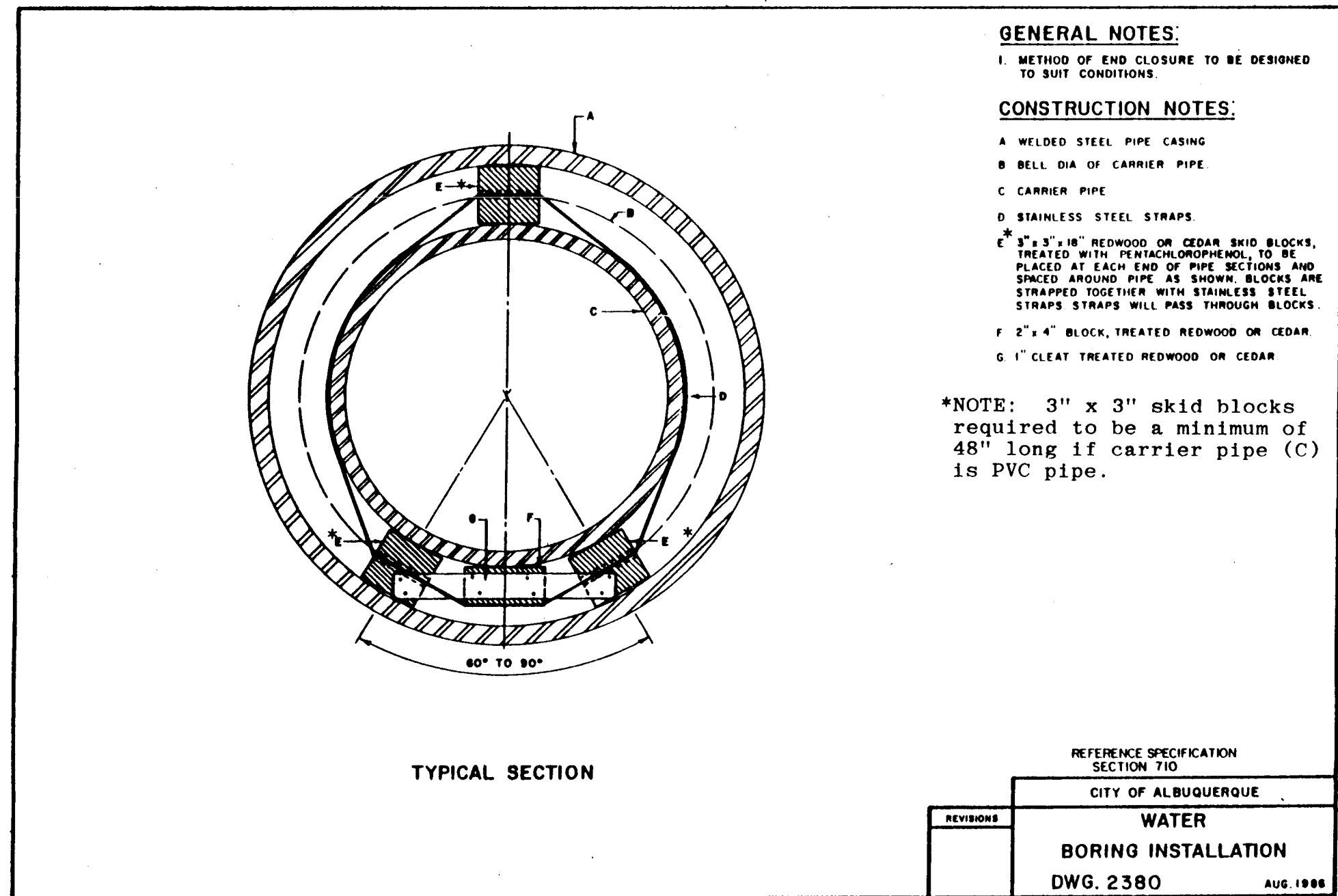
RECORD DRAWING

WARNING
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SCALE:
1" = 50' HOR.
1" = 10' VER.

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: RIVERVIEW SANITARY SEWER OUTFALL STA. 46+00.00 TO STA. 53+19.81 — FOR BID LOT "B" ONLY —					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
	R. H. H. H.	9-27-90			
	Trans. Dev.	9-26-90			
	Utility Dev.	9-24-90			
A MAFCA			J. W. Kane 9-24-90		
DRAWING NO. 4032.90			MAP NO. C-12,13		
			SHEET 14 OF 17		

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	DATE	NO.	DATE	NO.	DATE
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AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL		
CONTRACTOR	C.C.M.	DATE	NO.	BY	DATE	NO.	BY	DATE	NO.	BY	DATE
WORK BY	DATE										
FIELD	DATE										
ACCEPTANCE BY	DATE										
FIELD	DATE										
DRAWINGS	DATE										
CORRECTED BY	DATE										
RECORDED BY	DATE										
NO.											

SCANNED BY
BY LASON

26 4032.901591

APPROVED FOR CONSTRUCTION

John Kelly 8 AUG 90
A.M.A.F.C.A. DATE

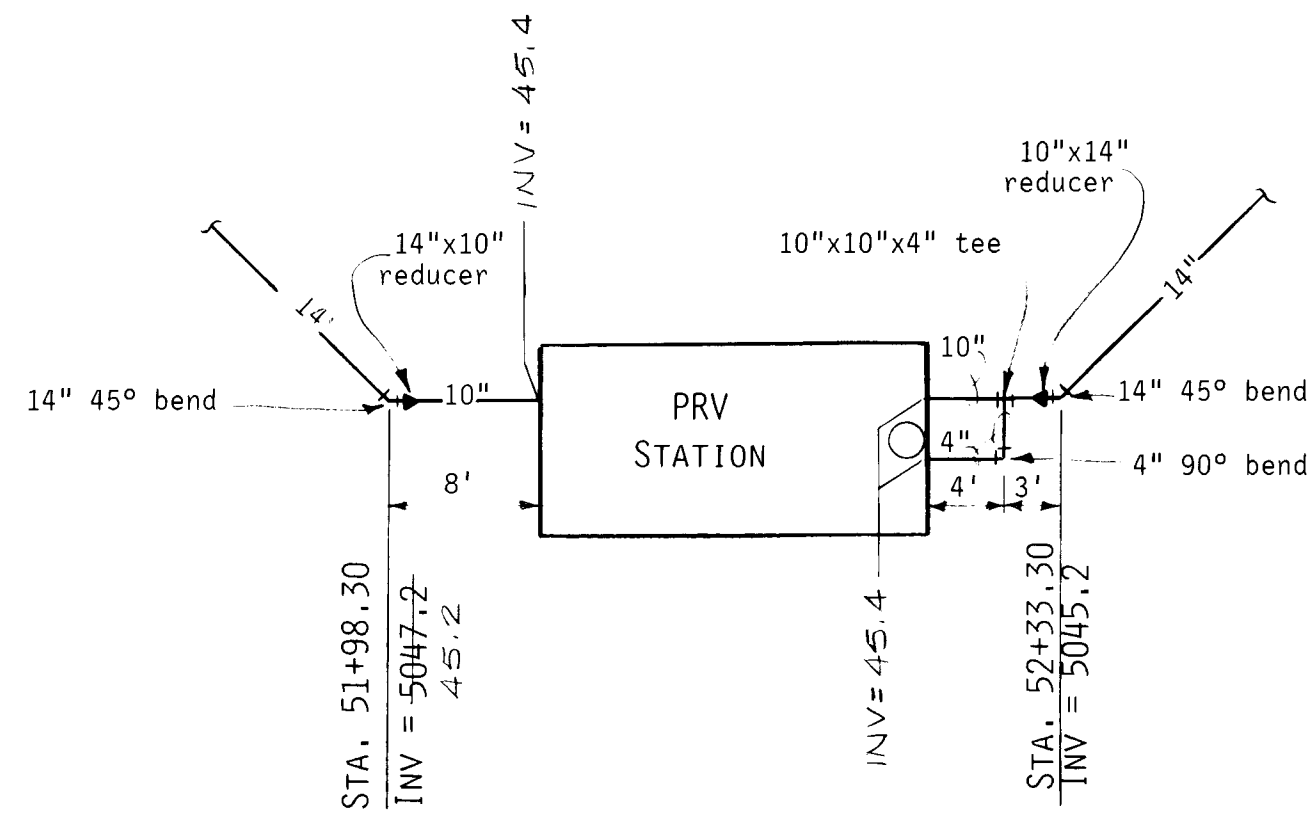
Isaacson & Arfman, P.A.
CONSULTING ENGINEERING ASSOCIATES
Albuquerque, New Mexico

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: PASEO DEL NORTE & LA ORILLA WATERLINES
DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	R.W. Kane	7-27-90	Water	R.W. Kane	8-7-90
Trans. Dev.	R.W. Kane	7-26-90	Waste Water	R.W. Kane	8-7-90
Hydrology	R.W. Kane	7-26-90			

PROJECT NO. 4032.90 MAP NO. C-13 SHEET 15 OF 17

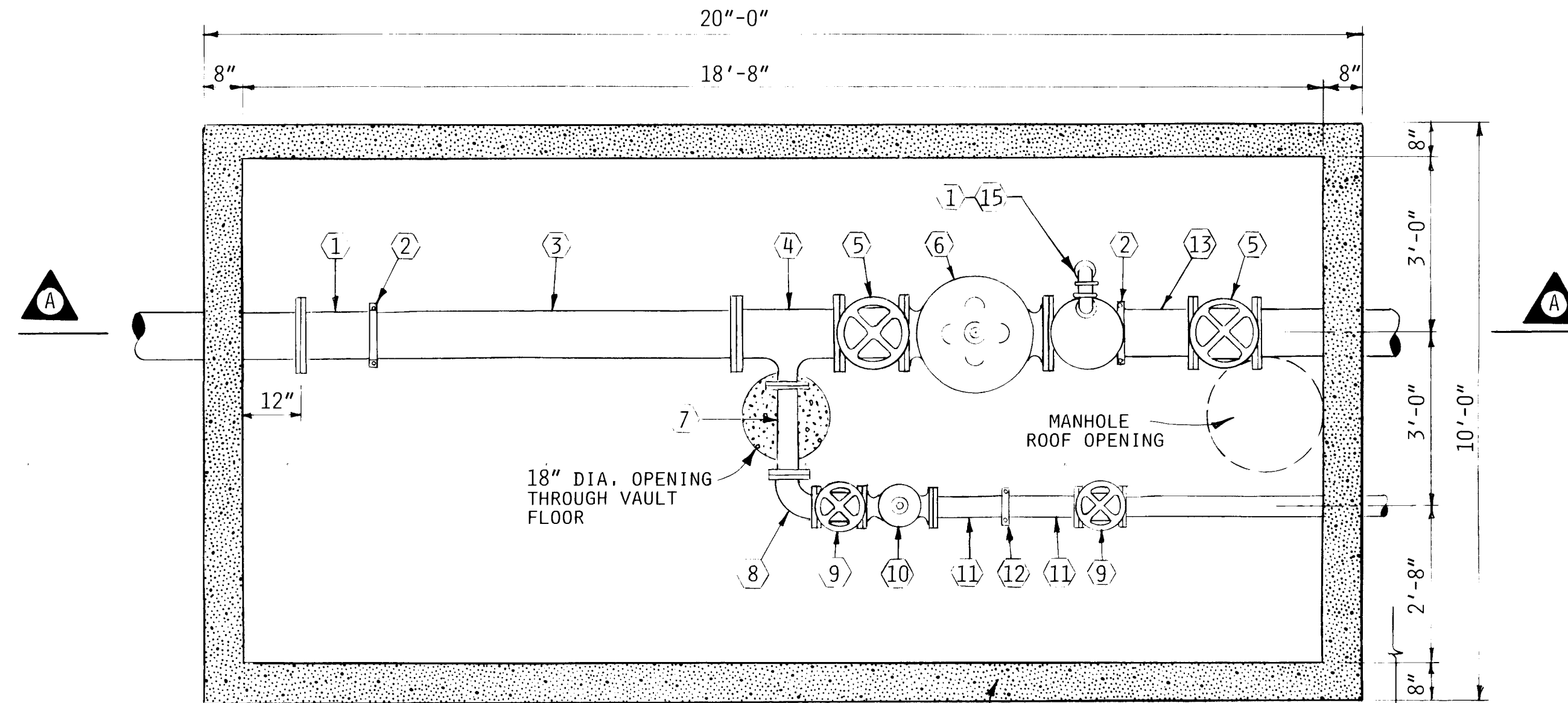


NOTES

- ALL FITTINGS & PIPELINE JOINTS SHALL BE RESTRAINED BETWEEN STA. 51+98.30 TO STA. 52+33.30.
- PAYMENT LIMITS FOR PRV STATION SHALL BE FROM STA. 51+98.30 TO STA. 52+33.30, TO INCLUDE ALL 10" PIPING, 14"x10" REDUCERS & 14" BENDS ARE NOT PART OF THIS PAY ITEM.

PRV SITE PLAN

1"=10'



PLAN

1/2"=1'-0"

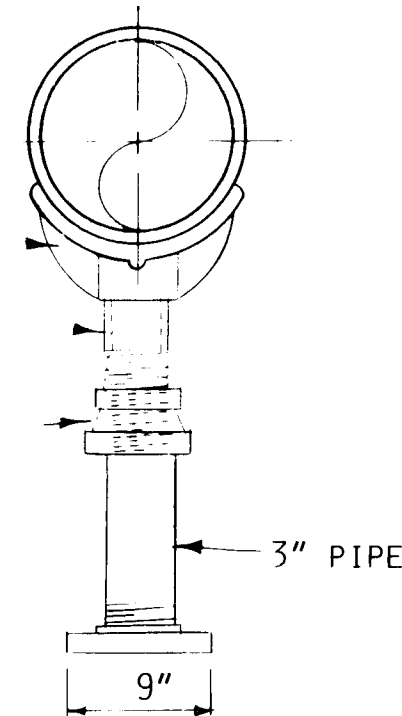
8" WALLS: REINFORCED CONCRETE W/#4 BARS @ 12" OC EACH WAY OR 8" CMU BLOCK W/#4 BARS @ 8" OC VERTICALLY AND DURO WALL MESH IN EACH COURSE. FILL ALL BLOCK CELLS W/CONCRETE USING PEA GRAVEL AGGREGATE AND HAVING A 3000 PSI 28 DAY COMPRESSIVE STRENGTH

RECORD DRAWING

WARNING

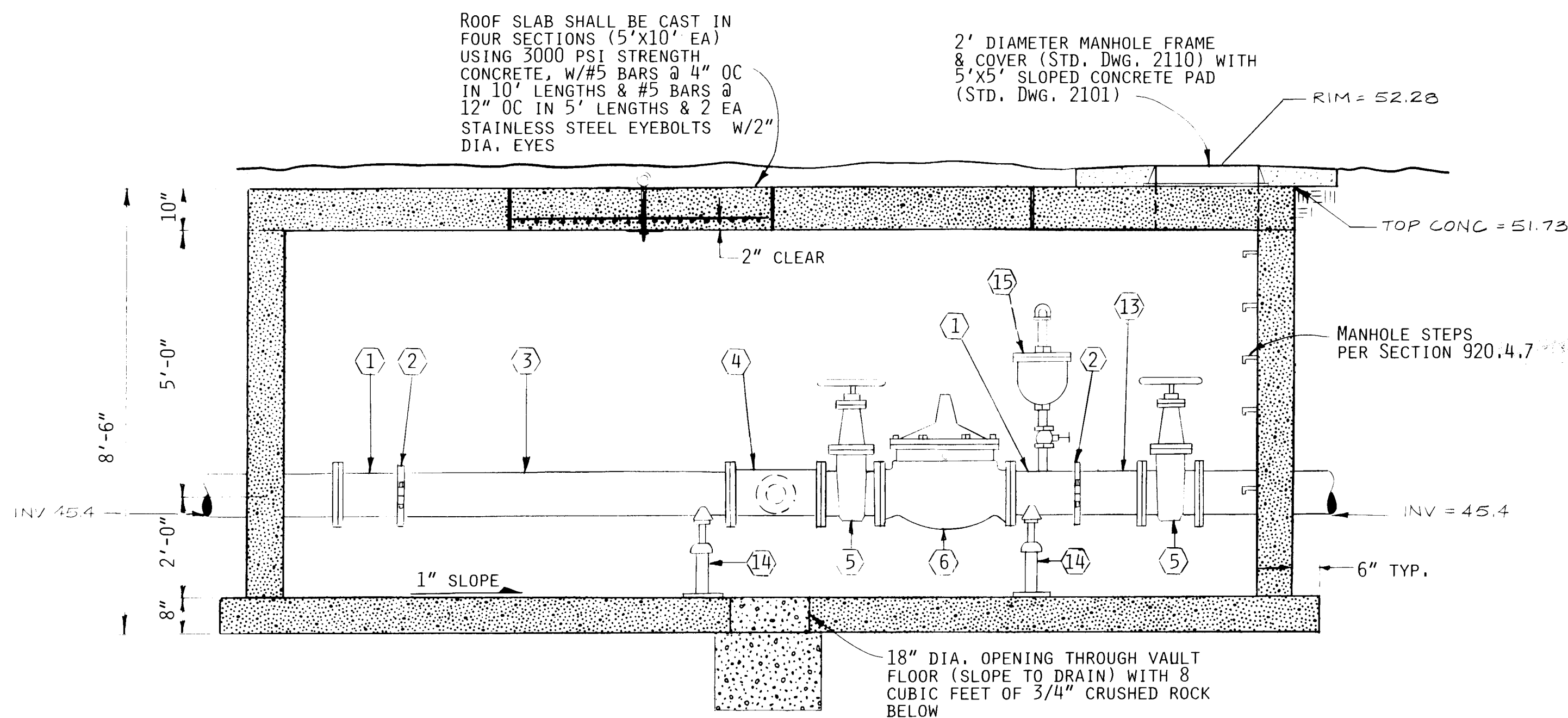
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PIPE SADDLE SUPPORT
2 1/2" LOCKNUT NIPPLE
SPECIAL CAST IRON REDUCER GRINNELL FIG. 264



ADJUSTABLE PIPE SADDLE STAND

NO SCALE



SECTION A-A

1/2"=1'-0"

FITTING & EQUIPMENT SCHEDULE

- 10" SPOOL X 15" LONG, FL X VICTAULIC GROOVED JOINT
- 10" GROOVED COUPLING, VICTAULIC STYLE 31
- 10" SPOOL X 6'-3" LONG, FL X VICTAULIC GROOVED JOINT
- 10"x10"x4" TEE, FL
- 10" GATE VALVE, FL, RISING STEM, HAND WHEEL
- 10" PRESSURE REDUCING VALVE, 125# CLASS FL ENDS, GLOBE PATTERN, CAST IRON MAIN BODY AND COVER, STAINLESS STEEL TRIM, SELF-CLEANING STRAINER, 15-75 PSI ADJUSTMENT RANGE, WITH PILOT CONTROL SYSTEM INCLUDING THREE (3) SHUTOFF COCKS, CLOSING SPEED CONTROL, OPENING SPEED CONTROL, & FLOW STABILIZER
- 4" SPOOL X 18 1/2" LONG, FL
- 4" 90° BEND, FL
- 4" GATE VALVE, FL, RISING STEM, HANDWHEEL
- 4" PRESSURE REDUCING VALVE - SEE SPECIFICATION UNDER NOTE (6) ABOVE.
- 4" SPOOL X 15" LONG, FL X VICTAULIC GROOVED JOINT
- 4" GROOVED COUPLING, VICTAULIC STYLE 31
- 10" SPOOL (CLOSURE PIECE @ 24" LONG) VICTAULIC GROOVED JOINT X PE, FIELD CUT AND FIT USING FL ADAPTER
- ADJUSTABLE PIPE SADDLE STAND, TWO (2) 10" SIZE & ONE (1) 4" SIZE REQUIRED - SEE DETAIL THIS SHEET
- 2" AIR & VACUUM VALVE WITH 2" NPT INLET AND OUTLET CONNECTIONS, CAST IRON BODY & COVER, STAINLESS STEEL TRIM & FLOAT, BUNA-N SEAT, 150 PSI WORKING PRESSURE APCO #144 OR APPROVED EQUAL.

AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL			
CONTRACTOR	DATE	BY	NO.	CONTRACTOR	DATE	BY	NO.	CONTRACTOR	DATE	BY	NO.	CONTRACTOR	DATE	BY	NO.
STAKED BY	DATE	BY	NO.	STAKED BY	DATE	BY	NO.	STAKED BY	DATE	BY	NO.	STAKED BY	DATE	BY	NO.
INSPECTOR'S	DATE	BY	NO.	INSPECTOR'S	DATE	BY	NO.	INSPECTOR'S	DATE	BY	NO.	INSPECTOR'S	DATE	BY	NO.
FIELD	DATE	BY	NO.	FIELD	DATE	BY	NO.	FIELD	DATE	BY	NO.	FIELD	DATE	BY	NO.
VERIFICATION BY	DATE	BY	NO.	VERIFICATION BY	DATE	BY	NO.	VERIFICATION BY	DATE	BY	NO.	VERIFICATION BY	DATE	BY	NO.
CONTRACTOR'S	DATE	BY	NO.	CONTRACTOR'S	DATE	BY	NO.	CONTRACTOR'S	DATE	BY	NO.	CONTRACTOR'S	DATE	BY	NO.
DESIGNED BY	DATE	BY	NO.	DESIGNED BY	DATE	BY	NO.	DESIGNED BY	DATE	BY	NO.	DESIGNED BY	DATE	BY	NO.
DRAWN BY	DATE	BY	NO.	DRAWN BY	DATE	BY	NO.	DRAWN BY	DATE	BY	NO.	DRAWN BY	DATE	BY	NO.
CHECKED BY	DATE	BY	NO.	CHECKED BY	DATE	BY	NO.	CHECKED BY	DATE	BY	NO.	CHECKED BY	DATE	BY	NO.

SCANNED BY
BY LASON

26 4032.901691

Isaacson & Arfman, P.A.
CONSULTING ENGINEERING ASSOCIATES
Albuquerque, New Mexico

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: PASEO DEL NORTE & LA ORILLA WATERLINES
PRV STATION LAYOUT & DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Rogel Arfman	9-27-90	Water	R.W. Kane	8-31-90
Trans. Dev.	Rogel Arfman	9-26-90	Waste Water	R.W. Kane	8-31-90
Hydrology	Rogel Arfman	9-26-90			

PROJECT NO. 4032.90 MAP NO. C-12 SHEET 16 OF 17



LEGEND

TAPER LENGTH-SEE CHART ABOVE

TANGENT LENGTH-IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET

1. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
2. ON COORS ROAD NW (STATE RD 45) THE RIGHT-OF-WAY & RIGHT-OF-WAY FENCING SHALL BE RESTORED TO ITS ORIGINAL CONDITION OR BETTER.
3. THE NEW MEXICO STATE HIGHWAY & TRANSPORTATION DEPARTMENT OFFICE WILL MAKE A FINAL INSPECTION AFTER THE WORK HAS BEEN COMPLETED WITHIN THE RIGHT-OF-WAY OF COORS ROAD NW (STATE RD 45).

1. CONTRACTOR SHALL NOTIFY BOTH THE SHERIFF & FIRE DEPARTMENTS PRIOR TO ANY ROAD CLOSURES.
2. CONTRACTOR SHALL OBTAIN NECESSARY BARRICADE PERMIT & EXCAVATION PERMIT FROM BERNALILLO COUNTY PUBLIC WORKS DEPARTMENT.

1. CONTRACTOR SHALL ADHERE TO SECTION 19 OF THE GENERAL CONDITIONS OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986.
2. ACCESS TO EACH PRIVATE RESIDENCE OR BUSINESS AFFECTED BY THE CONSTRUCTION OF THIS PROJECT SHALL BE MAINTAINED AT ALL TIMES.
3. CONTRACTOR'S HOURS OF OPERATION SHALL BE BETWEEN THE HOURS OF 8:30 AM AND 4:00 PM, SEVEN (7) DAYS A WEEK ON ALL COLLECTOR AND ARTERIAL ROADS.
4. CONTRACTOR MUST MAINTAIN TWO WAY TRAFFIC ON COLLECTOR AND ARTERIAL ROADS.
5. SECTION SP-3 OF THE CONTRACT GOVERNS CONSTRUCTION NOTICE REQUIREMENTS.
6. IF A TRAFFIC SPLIT IS REQUIRED, CONTRACTOR SHALL NOTIFY A TRAFFIC ENGINEER.
7. WHEN CROSSING A PAVED STREET, CONTRACTOR MUST NOTIFY BARRICADE ENGINEER @ 768-2551 AND PROVIDE FOR A TEMPORARY DETOUR WHILE ONLY TRAVERSING ONE LANE AT A TIME.
8. IF CONTRACTOR PLACES VEHICLE IN ROADWAY, VEHICLE WILL ONLY OCCUPY ONE LANE, BETWEEN THE HOURS OF 8:30 AM AND 4:00 PM FOR A MAXIMUM OF TWO (2) DAYS.
9. CONTRACTOR SHALL NOT OCCUPY ANY NON-SIGNALIZED INTERSECTION FOR MORE THAN THREE (3) DAYS.
10. AT NO TIME SHALL ANY RESIDENTIAL STREET OR COLLECTOR STREET BE CLOSED.
11. ON ALL RESIDENTIAL STREETS, ONE LANE OF TRAFFIC MUST BE MAINTAINED AT ALL TIMES.
12. TYPICAL TRAFFIC CONTROL PLANS SHOWN ON THIS SHEET ARE SCHEMATIC. ACTUAL PLANS SHALL BE PREPARED TO SATISFY THE FIELD CONDITION PRESENT AT THE PROJECT SITES, AND SHALL BE SUBMITTED FOR APPROVAL PRIOR TO CONSTRUCTION. THIS WORK SHALL BE PAID FOR BY THE BID ITEM "TRAFFIC CONTROL."



SCANNED BY
BY LASON

26 4032.901791

TITLE: **PASEO DEL NORTE & LA ORILLA WATERLINES
TRAFFIC CONTROL PLAN**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chair	<i>[Signature]</i>	9-22-90			
Trans. Dev	<i>[Signature]</i>	9-26-90			
Utility Dev	R.W. Kane	8-31-90			
Hyd. Dev	W.C. King	9-26-90			
DRAWING NO. 4032-90	MAP NO. C-13	SHEET 17 OF 17			