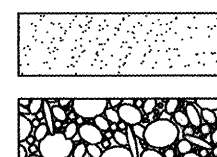


LEGEND

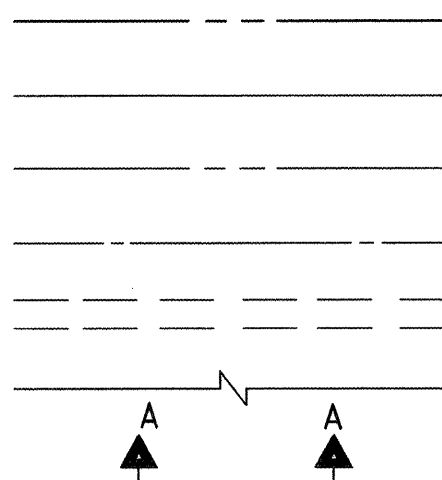
MATERIALS

CONCRETE
RIP-RAP



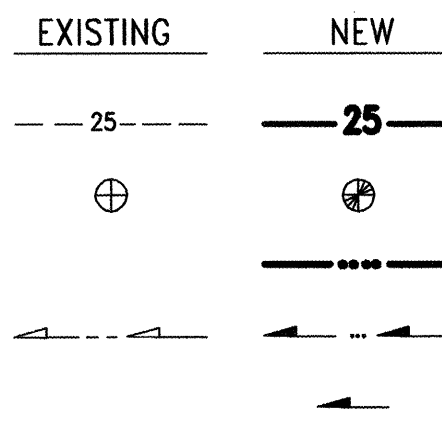
LINES

SUBDIVISION BOUNDARY
PROPERTY LINE (PLAN)
PROPERTY LINE (SECTION)
CENTERLINE
EASEMENT LINE
MATCH LINE
SECTION CUT LINE



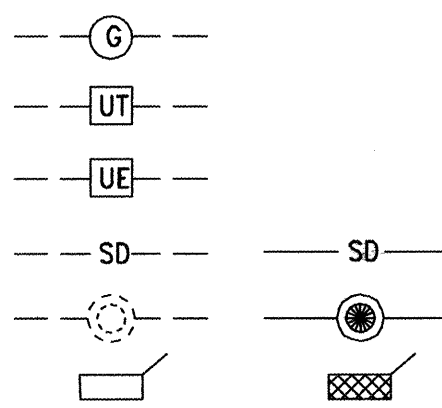
EARTHWORK

CONTOUR LINE
SPOT ELEVATION
PROJECT / PHASE BOUNDARY
FLOWLINE
DIRECTION OF FLOW



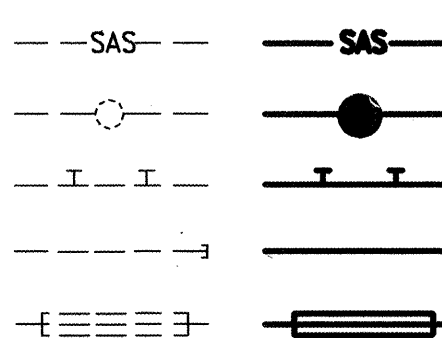
MISCELLANEOUS UTILITIES

GAS LINE
UNDERGROUND TELEPHONE
UNDERGROUND ELECTRICAL
STORM DRAIN
STORM DRAIN MANHOLE
STORM DRAIN INLET



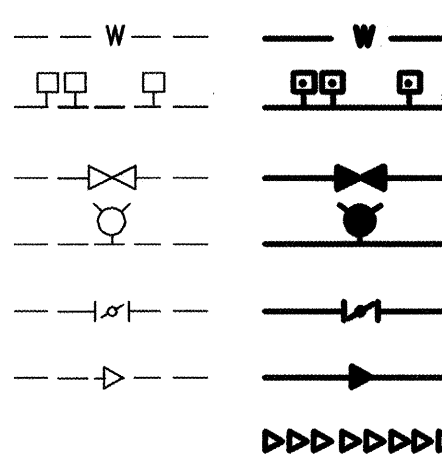
SANITARY SEWER

SANITARY SEWER LINE
SANITARY SEWER MANHOLE
SAS SERVICE CONNECTIONS
SAS CAP OR PLUG
ENCASEMENT



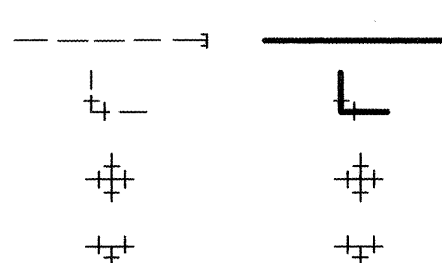
WATER

WATER LINE
WATER SERVICE CONNECTIONS
GATE VALVE
FIRE HYDRANT
BUTTERFLY VALVE
REDUCER
WATER PRESSURE ZONE BOUNDARY



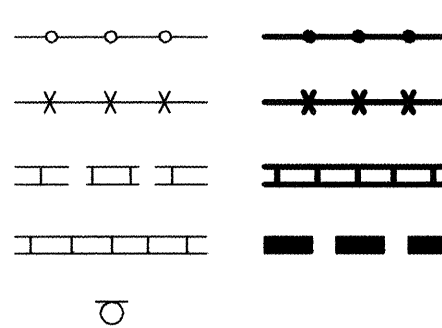
WATER FITTINGS

CAPS AND PLUGS
ELBOW
CROSS
TEE



MISCELLANEOUS

CHAINLINK FENCE
FIELD FENCE
COMMON YARD WALL
RETAINING WALL
POWER OR TELEPHONE POLE

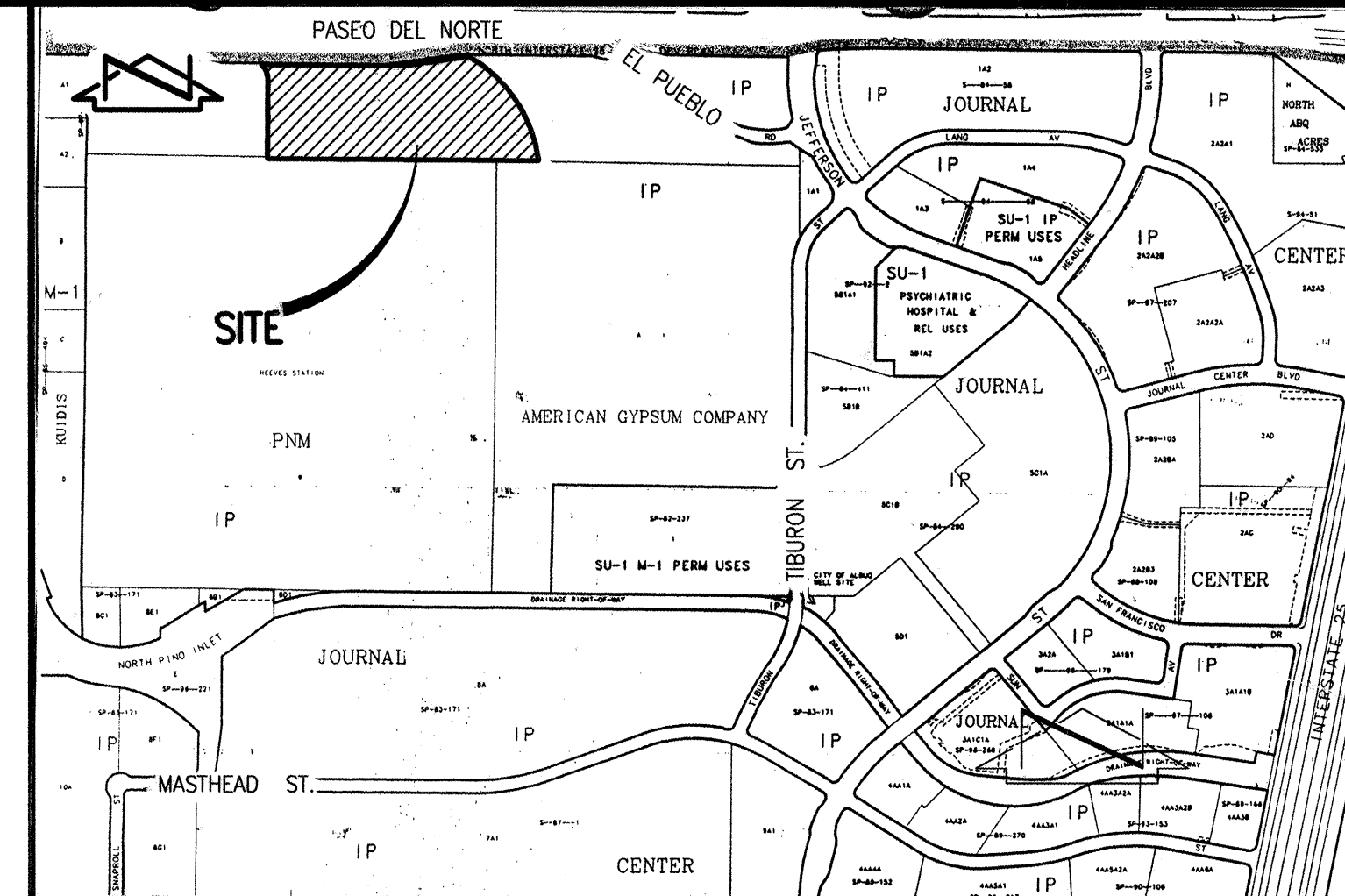


RECORD DRAWING

CONSTRUCTION PLANS
for
PASEO DEL NORTE
INDUSTRIAL PARK
ALBUQUERQUE, NEW MEXICO
FEBRUARY, 1999

INDEX OF DRAWINGS

SHEET	DESCRIPTION
1	COVER SHEET, VICINITY MAP, GENERAL NOTES, LEGEND AND INDEX OF DRAWINGS
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4	GRADING AND DRAINAGE PLAN
5	COMPOSITE SITE PLAN, WATER VALVE SHUTOFF PLAN
PAVING AND STORM DRAIN IMPROVEMENTS	
6, 7	SECTIONS AND DETAILS
8	PARCELS "A" AND "D" STORM DRAIN IMPROVEMENTS PLAN AND PROFILE
9	LORRAINE COURT N.E. PAVING AND STORM DRAIN IMPROVEMENTS PLAN AND PROFILE
10	40' PRIVATE ACCESS ROAD PAVING AND STORM DRAIN IMPROVEMENTS PLAN AND PROFILE
WATER AND SANITARY SEWER LINE EXTENSIONS	
11	PASEO DEL NORTE FRONTAGE ROAD WATER AND SANITARY SEWER LINE EXTENSIONS PLAN AND PROFILE
12	LORRAINE COURT N.E. WATER AND SANITARY SEWER LINE EXTENSIONS PLAN AND PROFILE
13	40' PRIVATE ACCESS ROAD WATER AND SANITARY SEWER LINE EXTENSIONS PLAN AND PROFILE
TRAFFIC CONTROL	
14	SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS
15	TYPICAL TRAFFIC CONTROL AND SIGNING EXAMPLES (REF. M.U.T.C.D.)
16	PASEO DEL NORTE FRONTAGE ROAD (EL PUEBLO ROAD) TRAFFIC CONTROL PLAN

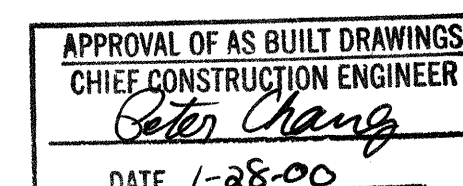


VICINITY MAP
SCALE: 1" = 750' (APPROX)

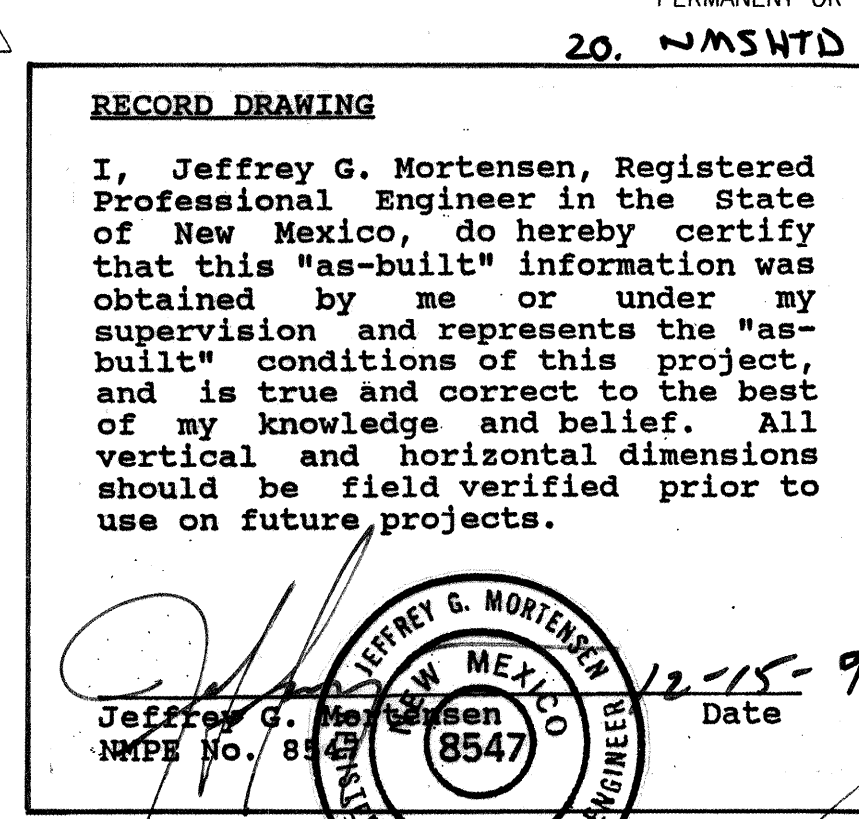
D-17

GENERAL NOTES

- 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-PUBLIC WORKS CONSTRUCTION-1986-UPDATE NO. 6, EXCEPT FOR WORK WITHIN NMSHTD R.O.W. WHICH SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, 1994 EDITION. SHOULD A CONFLICT ARISE, THE MORE STRINGENT SPECIFICATION SHALL APPLY.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 260-1990, (ALBUQUERQUE AREA) 1-800-321-ALERT (2537) (STATEWIDE) FOR LOCATION OF EXISTING UTILITIES.
- IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS INVESTIGATION IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND 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, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
- SHOULD A CONFLICT EXIST BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY FOR ALL PARTIES.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING SAFETY AND HEALTH.
- ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- TACK COAT REQUIREMENTS SHALL BE DETERMINED DURING CONSTRUCTION BY THE PROJECT ENGINEER.
- SIDEWALKS AND WHEELCHAIR RAMP WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- IF CURB IS DEPRESSED FOR A DRIVEPAD OR A HANDICAP RAMP, THE DRIVEPAD OR RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF THE CURB AND GUTTER.
- ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- CONTRACTOR SHALL COORDINATE WITH THE WATER SYSTEM DIVISION FOR THE EXECUTION OF THE VALVE SHUT OFF PLAN, NOT LESS THAN FIVE (5) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT THE EXISTING PUBLIC WATER UTILITIES. ONLY WATER SYSTEM DIVISION PERSONNEL SHALL OPERATE EXISTING VALVES. REFER TO SECTION 18 OF THE SPECIFICATION. THE WATER SYSTEM DIVISION PHONE NUMBER IS 857-8200.
- CONTRACTOR SHALL NOTIFY THE CITY SURVEYOR NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR 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 IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE SPECIFICATIONS.
- FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION CO-ORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION CO-ORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRIAGE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. CONTRACTOR MUST REFER TO SECTION 19 OF THE STANDARD SPECIFICATION FOR TRAFFIC CONTROL.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED STRIPING BY CONTRACTOR TO EXISTING LOCATION OR AS INDICATED BY THIS PLAN SET.
- CAUTION: THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.
- ANY WORK OCCURRING WITHIN AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
- NMSHTD IS REQUIRED TO ISSUE ACCESS PERMIT PRIOR TO WORK WITHIN STATE R.O.W.



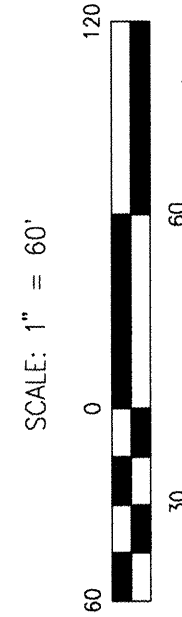
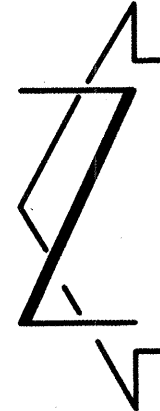
COA INSPECTOR: BOBBY SMITH



DRB 98-208

RECORD DRAWING		280388 980386			
I, Jeffrey G. Mortensen, Registered Professional Engineer in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents the "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.		Date 12-15-99		City Project No. 605781	
REV.	SHEETS	CITY ENGINEER	DATE	USER	DEPARTMENT
1	16		07/99		
ENGINEERS STAMP & SIGNATURE		APPROVALS		DATE	
Jeffrey G. Mortensen		DRC Chairman		3-1-99	
		Transportation		2-22-99	
		Water/Wastewater		2-22-99	
		Hydrology		2-22-99	
		C.I.P.		2-22-99	
		Const. Mngmt.		2-19-99	
		Const. Coord.		2-19-99	
City Engineer		Date		APPROVED FOR CONSTRUCTION	
SHEET 1 OF 16					

SP #98-10-28-08:00-0057



SUBDIVISION PLAT OF
PARCELS A THRU H
PASEO DEL NORTE INDUSTRIAL PARK
ALBUQUERQUE, NEW MEXICO
FEBRUARY, 1999

COUNTY CLERK FILING DATA

BOUNDARY TABLES

LINE	DIRECTION	DISTANCE
L1	S 07°24'08" W	2.80'
(L1)	S 00°02'41" E	2.73'
L2	N 00°23'58" E	10.00'
CL1	N 08°14'19" W	23.05'

- EASEMENT KEYED NOTES
- 10' PUBLIC UTILITY EASEMENT GRANTED BY THIS PLAT
 - ORIGINAL 50' P.A.M. RIGHT-OF-WAY EASEMENT (RAILROAD SPUR) GRANTED BY DOCUMENT FILED 08-10-1956, BOOK D359, PAGES 285-286, DOC. #3175
 - AMENDED 50' P.A.M. RIGHT-OF-WAY EASEMENT (RAILROAD SPUR) GRANTED BY DOCUMENT FILED 10-15-1956, BOOK D363, PAGES 363-366, DOC. #3158
 - AMENDED 50' P.A.M. RIGHT-OF-WAY EASEMENT (RAILROAD SPUR) GRANTED BY DOCUMENT FILED 05-28-1957, BOOK D387, PAGES 397-399, DOC. #30315
 - ORIGINAL 40' P.A.M. RIGHT-OF-WAY EASEMENT (ROADWAY) GRANTED BY DOCUMENT FILED 05-28-1957, BOOK D357, PAGES 101-102, DOC. #30316
 - EASEMENT MAINTENANCE AGREEMENT AND DESCRIPTION (TENTATIVE A, B, & C) GRANTED BY DOCUMENT FILED 03-17-1986, BOOK MSC. 331A, PAGES 499-517, DOC. #86 22721
 - APPROXIMATE LOCATION 10'x20' P.A.M. AND M.S.I.&T. EASEMENT GRANTED BY DOCUMENT FILED 09-16-1988, BOOK MSC. 644A, PAGE 976, DOC. #88 84225 (BASED ON POLE LOCATION), VACATED BY V-59-4
 - PUBLIC WATERLINE, PUBLIC SANITARY SEWER, PRIVATE DRAINAGE AND PRIVATE ACCESS EASEMENT GRANTED BY THIS PLAT. MAINTENANCE OF THE PRIVATE ACCESS EASEMENT SHALL BE DETERMINED IN ACCORDANCE WITH THE PRIVATE ACCESS EASEMENT GRANTED BY THIS PLAT. MAINTENANCE OF THE PRIVATE DRAINAGE EASEMENT SHALL BE SHARED EQUALLY BY THE OWNERS OF PARCELS A, B AND C.
 - 10' PRIVATE DRAINAGE EASEMENT GRANTED BY THIS PLAT TO SERVE PARCELS A, B AND C. MAINTENANCE SHALL BE SHARED EQUALLY BY THE OWNERS OF PARCELS A, B AND C.
 - 20' PRIVATE DRAINAGE EASEMENT GRANTED BY THIS PLAT TO SERVE PARCELS A, B AND C. MAINTENANCE SHALL BE SHARED EQUALLY BY THE OWNERS OF PARCELS A, B AND C.
 - 10' PRIVATE DRAINAGE EASEMENT GRANTED BY THIS PLAT TO SERVE PARCEL D. MAINTENANCE SHALL BE SHARED EQUALLY BY THE OWNERS OF PARCELS D, E AND F.
 - 10' PRIVATE DRAINAGE EASEMENT GRANTED BY THIS PLAT TO SERVE PARCEL E. MAINTENANCE SHALL BE SHARED EQUALLY BY THE OWNERS OF PARCELS E AND F.
 - 10' PRIVATE DRAINAGE EASEMENT GRANTED BY THIS PLAT TO SERVE PARCEL F. MAINTENANCE SHALL BE SHARED EQUALLY BY THE OWNERS OF PARCELS F AND G.
 - 10' PRIVATE DRAINAGE EASEMENT GRANTED BY THIS PLAT TO SERVE PARCEL G. MAINTENANCE SHALL BE SHARED EQUALLY BY THE OWNERS OF PARCELS G AND H.
 - 10' PRIVATE DRAINAGE EASEMENT GRANTED BY THIS PLAT TO SERVE PARCEL H. MAINTENANCE SHALL BE SHARED EQUALLY BY THE OWNERS OF PARCELS H AND I.

PASEO DEL NORTE N.E.
(R.O.W. VARIES)

CURVE	RADIUS	LENGTH	CHORD	BEARING	DELTA
C1	523.22'	552.32'	527.03'	S 30°08'05" E	60°28'56"
(C1)	523.22'	552.31'	527.02'	S 30°07'35" E	60°28'53"
C2	60.00'	56.76'	54.66'	N 26°39'28" W	54°12'03"
(C2)	60.00'	56.76'	54.66'	N 26°39'28" W	54°11'57"
C3	30.00'	43.43'	39.73'	S 48°07'51" E	82°56'23"
(C3)	30.00'	43.43'	39.73'	S 48°07'51" E	82°56'23"
C4	270.00'	33.27'	33.25'	S 03°07'51" E	07°03'37"
(C4)	270.00'	33.27'	33.25'	S 03°07'51" E	07°03'37"
C5	30.00'	23.61'	23.01'	S 22°56'56" W	45°05'56"
(C5)	30.00'	23.61'	23.01'	S 22°56'56" W	45°05'56"
C6	55.00'	43.07'	41.98'	S 23°03'50" W	44°52'09"
(C6)	55.00'	43.07'	41.98'	S 23°03'50" W	44°52'09"
C7	35.00'	86.81'	77.34'	S 44°29'00" E	90°13'48"
(C7)	35.00'	86.81'	77.34'	S 44°29'00" E	90°13'48"
C8	30.00'	23.61'	23.01'	N 22°09'01" W	135°05'57"
(C8)	30.00'	23.61'	23.01'	N 22°09'01" W	135°05'57"
C9	330.00'	43.38'	43.35'	N 03°22'00" W	07°31'56"
(C9)	330.00'	43.38'	43.35'	N 03°22'00" W	07°31'56"
C10	30.00'	46.54'	42.02'	N 37°19'51" E	88°53'39"
(C10)	30.00'	46.54'	42.02'	N 37°19'51" E	88°53'39"
C11	523.22'	338.44'	312.39'	S 11°36'15" E	23°25'16"
(C11)	523.22'	338.44'	312.39'	S 11°36'15" E	23°25'16"
C12	300.00'	45.23'	45.19'	N 03°55'11" W	08°38'17"
(C12)	300.00'	45.23'	45.19'	N 03°55'11" W	08°38'17"

NEW MEXICO CENTRAL ZONE-NAD 1927
R.A.S. 512.914
X=394,134.18
Y=1,519,711.30
COMBINED FACTOR=0.9997037
DELTA ALPHA=-00°12'15"

UNPLATTED LANDS OF PUBLIC SERVICE COMPANY OF NEW MEXICO
FILED 05-28-1982, DOC. #82 28340 AND
CONVEYED BY WARRANTY DEED
FILED 04-16-1986, DOC. #86 32874

UNPLATTED LANDS OF AMERICAN GYPSUM COMPANY
CONVEYED BY DEED
FILED 07-12-1972 AND
FILED 08-13-1972 AND
FILED 08-13-1972 AND
CONVEYED BY SPECIAL WARRANTY DEED
FILED 07-08-1973

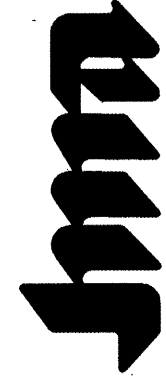
MONUMENT KEYED NOTES

- FOUND #5 REBAR W/CAP STAMPED "WEAVER LS 6544", TAGGED W/WASHER STAMPED "NMP5 11184"
- FOUND #5 REBAR W/CAP STAMPED "LS 9241", TAGGED W/WASHER STAMPED "NMP5 11184"
- FOUND P.K. NAIL & WASHER STAMPED "WEAVER LS 6544"

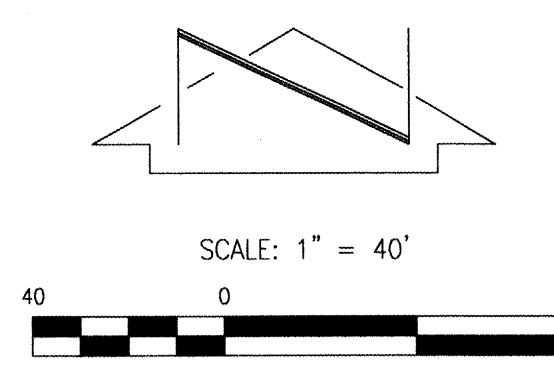
UNPLATTED LANDS OF PUBLIC SERVICE COMPANY OF NEW MEXICO
REKES STATION
CONVEYED BY WARRANTY DEED
FILED 04-16-1986, DOC. #86 3173

UNPLATTED LANDS OF AMERICAN GYPSUM COMPANY
CONVEYED BY DEED
FILED 07-07-1964, DOC. #5904

JEFF MORTENSEN & ASSOCIATES, INC.
600 P. MIDWAY PARK BLVD., N.E.
ALBUQUERQUE, NEW MEXICO 87109
ENGINEERS SURVEYORS (505) 345-4250
JOB #990384



RECORD DRAWING

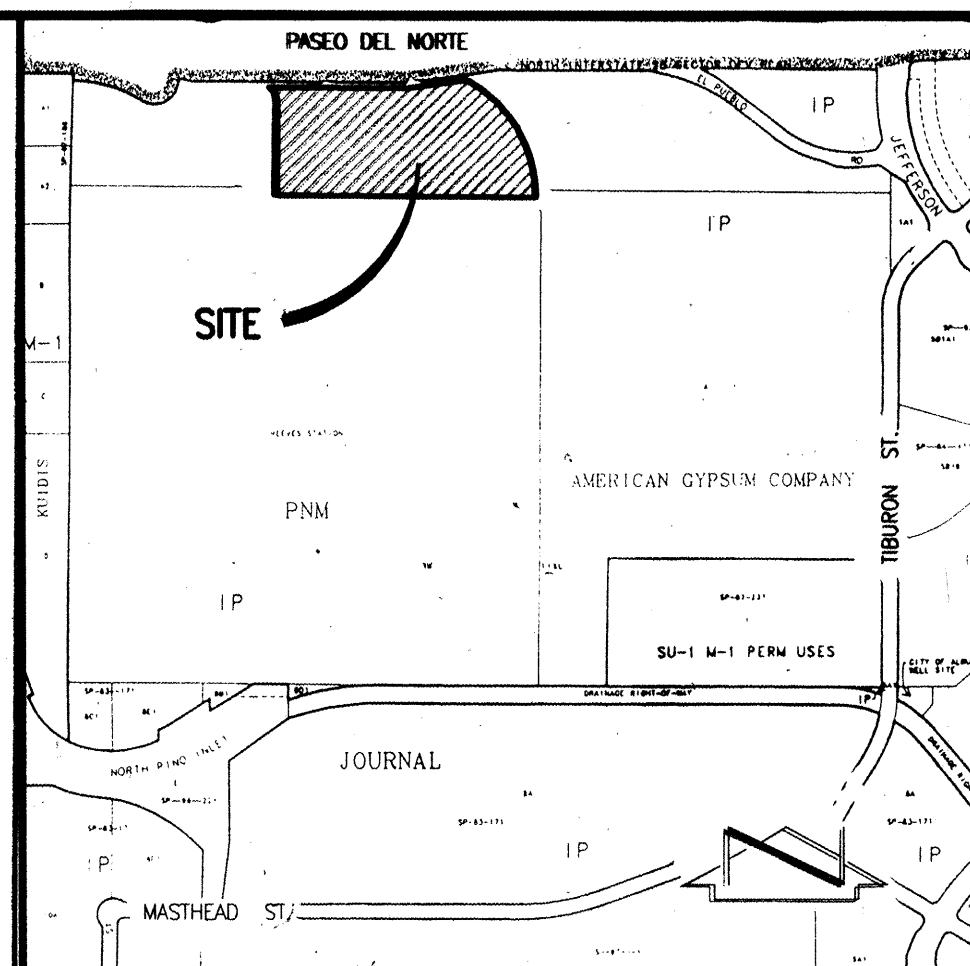


CURVE TABLE					
CURVE	RADIUS	LENGTH	CHORD	BEARING	DELTA
C1	60.00'	56.76'	54.66'	N 26°39'28" W	54°12'03"
C2	523.22'	523.22'	527.03'	S 30°08'05" E	60°28'56"

PROJECT BENCHMARK
STATION IS A STANDARD BRASS TABLET (AMAFCA RIGHT-OF-WAY MARKER) STAMPED, NAA-9, SET IN CONCRETE PROJECTING 0.3 FEET. THE STATION IS LOCATED AT THE INTERSECTION OF LOS ANGELES BLVD. N.E. AND THE NORTH DIVERSION CHANNEL IN THE SOUTHEAST QUADRANT OF THE CROSSING.
ELEVATION = 5089.27 FEET (M.S.L.D.)

T.B.M. #1
A 1" CHISELED ON TOP OF THE CURB NEAR THE NORTHWEST CORNER OF THE PROPERTY AS SHOWN ON THE DRAWING.
ELEVATION = 5081.01 FEET (M.S.L.D.)

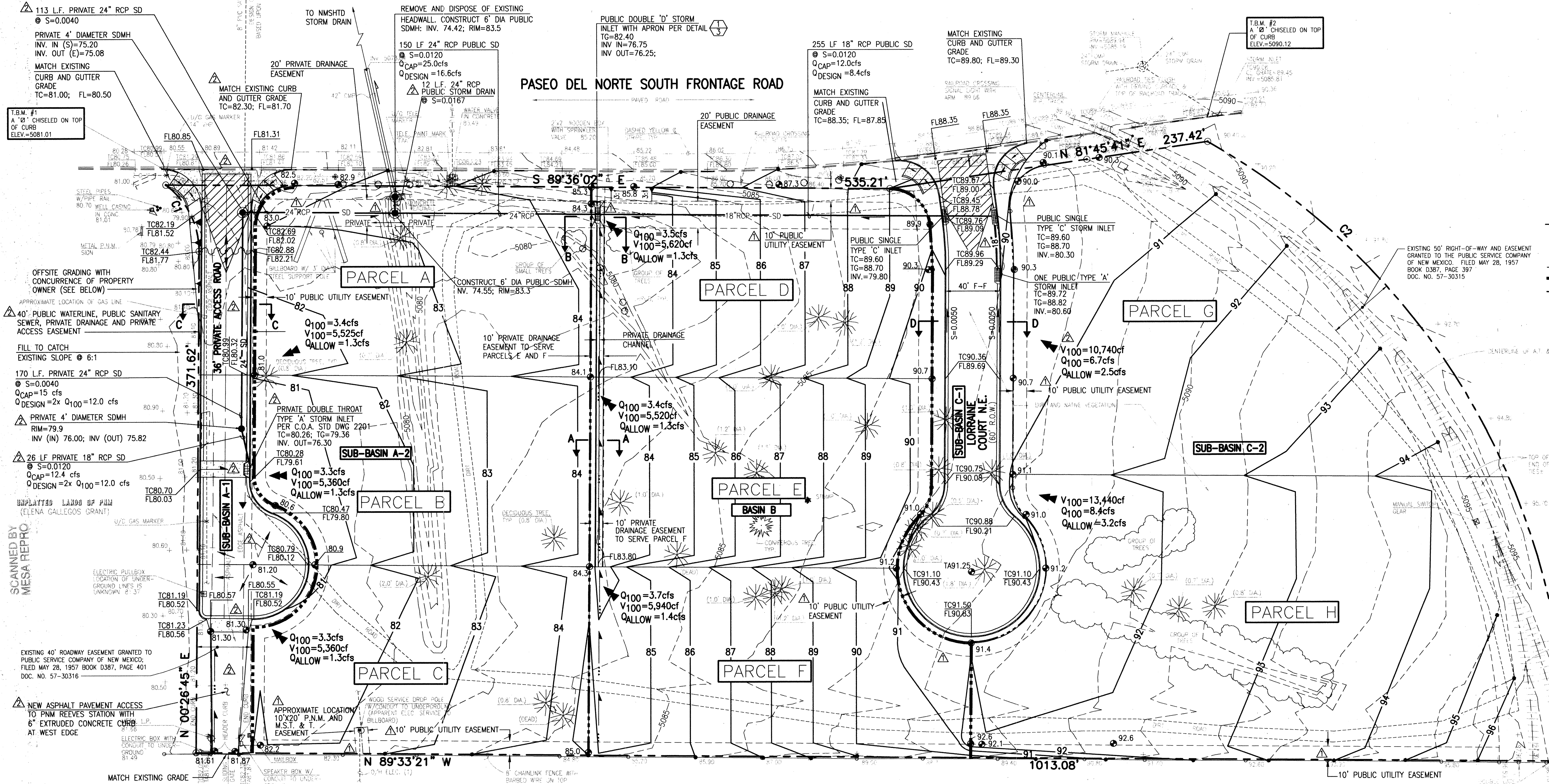
T.B.M. #2
A 1" CHISELED ON TOP OF THE CURB NEAR THE NORTHEAST CORNER OF THE PROPERTY AS SHOWN ON THE DRAWING.
ELEVATION = 5090.12 FEET (M.S.L.D.)



VICINITY MAP
SCALE: 1" = 750'

LEGAL DESCRIPTION
EXISTING: EXISTING UNPLATTED LANDS OF THE ALBUQUERQUE ACADEMY
PROPOSED: PARCELS A-H, PASEO DEL NORTE INDUSTRIAL PARK.
(ORB 98 - 208)

- LEGEND**
- TC: TOP OF CURB
 - FL: FLOWLINE
 - TA: TOP OF ASPHALT
 - EA: E/A
 - TO: TOP OF CONCRETE
 - SV: SPRINKLER VALVE
 - U/G: UNDERGROUND
 - ELC: ELECTRIC
 - TELE: TELEPHONE
 - O/H ELEC. (1): OVERHEAD ELECTRIC LINE (NO. OF LINES)
 - U/G T: UNDERGROUND TELEPHONE LINE(S)
 - EXISTING SPOT ELEVATION
 - EXISTING CONTOUR
 - EXISTING CONIFEROUS TREE
 - EXISTING DECIDUOUS TREE (WITH CALIPER SIZE)
 - EXISTING SHRUB
 - EXISTING TREE LINE
 - EXISTING RAILROAD SPUR
 - PROPOSED FLOWLINE
 - PROPOSED CONTOUR
 - PROPOSED SPOT ELEVATION
 - PROPOSED TOP OF CURB
 - PROPOSED FLOWLINE ELEVATION
 - PROPOSED STORM DRAIN
 - PROPOSED BASIN BOUNDARY
 - PROPOSED SUB-BASIN BOUNDARY
 - HIGH POINT (WATERBLOCK)



NOTE:
THIS IS NOT A BOUNDARY SURVEY. APPARENT PROPERTY CORNERS ARE SHOWN FOR ORIENTATION ONLY. BOUNDARY DATA SHOWN HEREON IS FROM THE BOUNDARY AND TOPOGRAPHIC SURVEY PREPARED BY JEFF MORTENSEN AND ASSOC., INC. DATED SEPTEMBER, 1998.

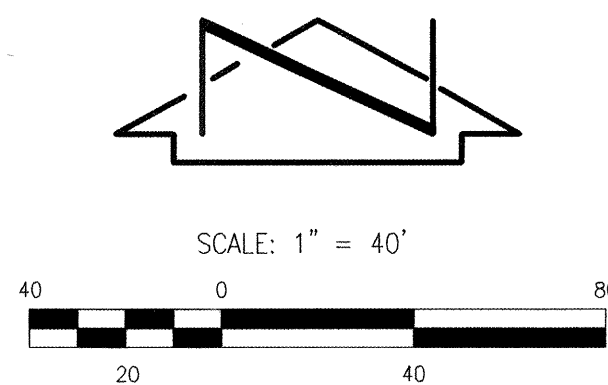
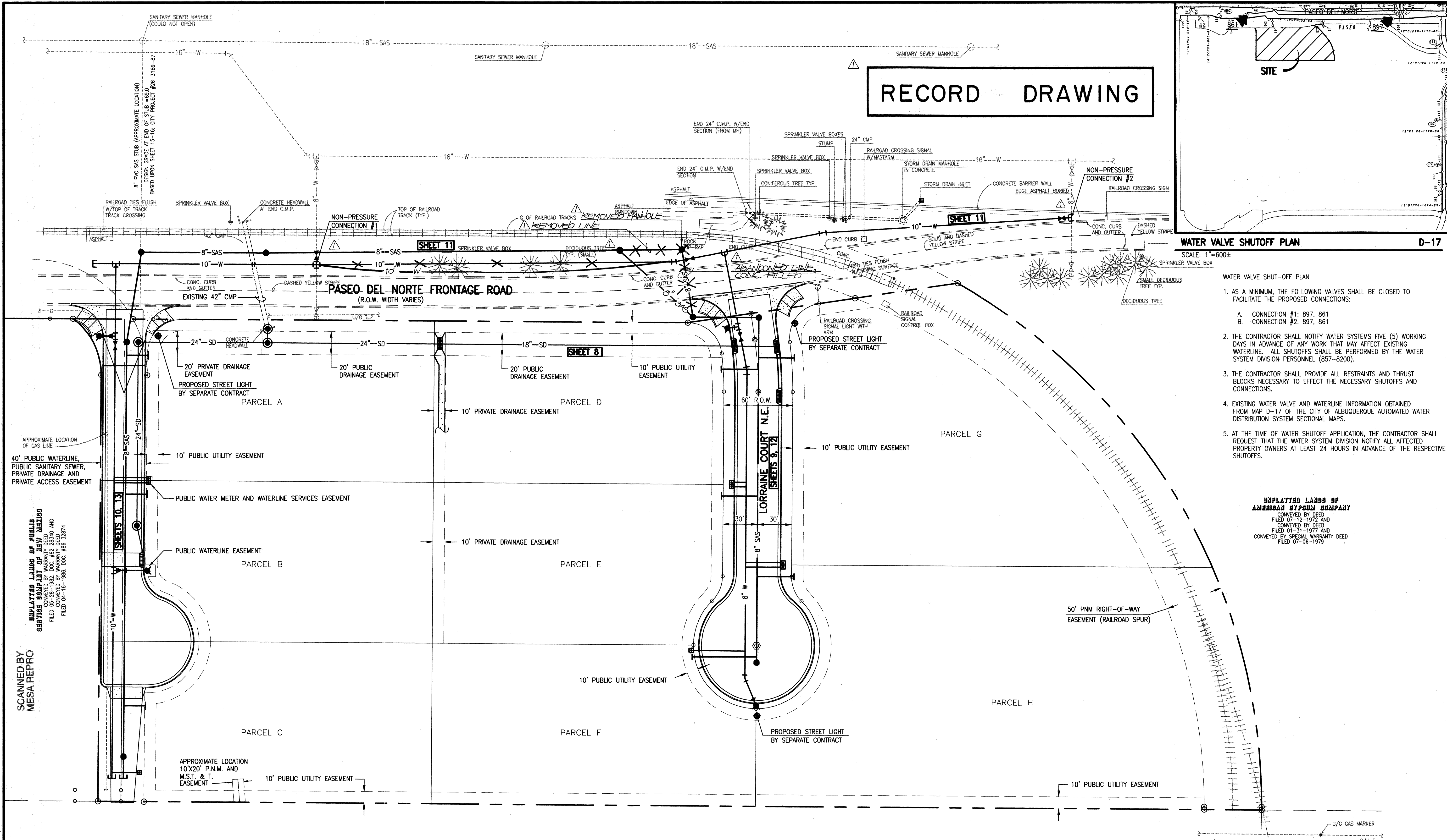
RECORD DRAWING

11-18-96
01-07-99
01-28-99
980388
990031
01-1999
X OF X

JEFF MORTENSEN & ASSOCIATES, INC. 6800-B MIDWAY PARK BLVD. N.E. ALBUQUERQUE, N.M. 87109 ENGINEERS SURVEYORS (505) 345-4250	APPROVED FOR OFFSITE GRADING: <i>[Signature]</i> 2-25-99 RIGHT-OF-WAY DIRECTOR, UNPLATTED LANDS OF PNM	MASTER DRAINAGE PLAN PASEO DEL NORTE INDUSTRIAL PARK	APPROVED FOR ROUGH GRADING: <i>[Signature]</i> 2/22/99 C.O.A.-P.W.D., HYDROLOGY SECTION	DESIGNED BY: G.R.B. DRAWN BY: S.G.H./J.Y.R. APPROVED BY: J.G.M.	NO. DATE BY 1/99 G.M. SHOW EASEMENTS, REVISED STORM DRAIN LOCATION, CHANGE TITLE 1/99 G.M. REVISE PRIVATE ROADWAY LOCATION	JOB NO. 990031 DATE 01-1999 SHEET X OF X
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SCANNED BY
MESA REPRO

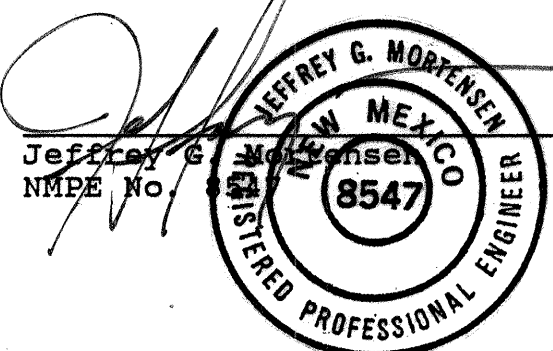
UNPLATTED LANDS OF PUBLIC
AMERICAN STEEL COMPANY
CONVEYED BY WARRANTY DEED
FILED 05-28-1982, DOC. #2 28340 AND
CONVEYED BY WARRANTY DEED
FILED 07-16-1984, DOC. #8 32374



UNPLATTED LANDS OF PUBLIC
AMERICAN STEEL COMPANY
REEVES STATION
CONVEYED BY WARRANTY DEED
FILED 08-10-1996, DOC. #3173

RECORD DRAWING

I, Jeffrey G. Mortensen, Registered Professional Engineer in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents the "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.



Date 12-15-99



JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD., N.E.
ALBUQUERQUE, NEW MEXICO 87109
ENGINEERS & SURVEYORS (505) 345-4250

980386

980388

WATER VALVE SHUTOFF PLAN

D-17

WATER VALVE SHUT-OFF PLAN

- AS A MINIMUM, THE FOLLOWING VALVES SHALL BE CLOSED TO FACILITATE THE PROPOSED CONNECTIONS:
 - CONNECTION #1: 897, 861
 - CONNECTION #2: 897, 861
- THE CONTRACTOR SHALL NOTIFY WATER SYSTEMS FIVE (5) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING WATERLINE. ALL SHUTOFFS SHALL BE PERFORMED BY THE WATER SYSTEM DIVISION PERSONNEL (857-8200).
- THE CONTRACTOR SHALL PROVIDE ALL RESTRAINTS AND THRUST BLOCKS NECESSARY TO EFFECT THE NECESSARY SHUTOFFS AND CONNECTIONS.
- EXISTING WATER VALVE AND WATERLINE INFORMATION OBTAINED FROM MAP D-17 OF THE CITY OF ALBUQUERQUE AUTOMATED WATER DISTRIBUTION SYSTEM SECTIONAL MAPS.
- AT THE TIME OF WATER SHUTOFF APPLICATION, THE CONTRACTOR SHALL REQUEST THAT THE WATER SYSTEM DIVISION NOTIFY ALL AFFECTED PROPERTY OWNERS AT LEAST 24 HOURS IN ADVANCE OF THE RESPECTIVE SHUTOFFS.

UNPLATTED LANDS OF
AMERICAN STEEL COMPANY
CONVEYED BY DEED
FILED 07-12-1972 AND
CONVEYED BY DEED
FILED 01-31-1977 AND
CONVEYED BY SPECIAL WARRANTY DEED
FILED 07-06-1979

UNPLATTED LANDS OF
AMERICAN STEEL COMPANY
CONVEYED BY WARRANTY DEED
FILED 07-07-1964, DOC. #5904

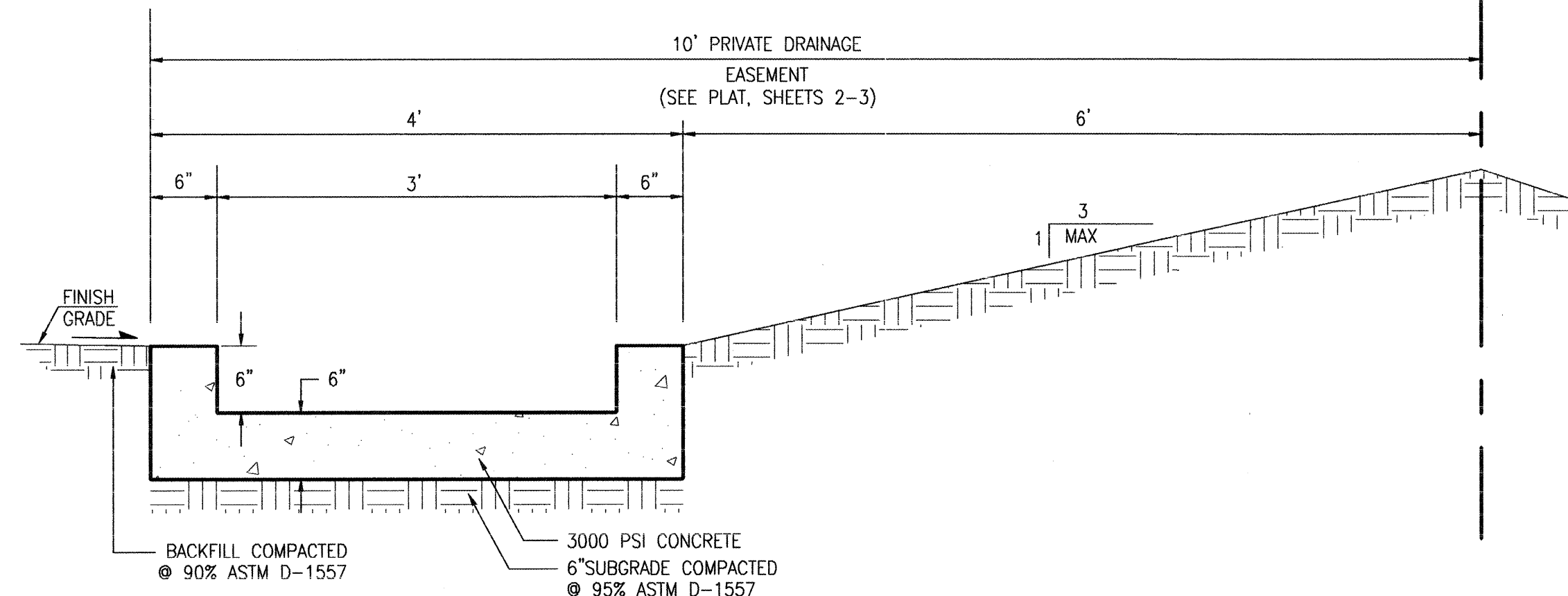
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: PASEO DEL NORTE INDUSTRIAL PARK COMPOSITE SITE PLAN AND WATER VALVE SHUTOFF PLAN	
Design Review Committee APPROVED MAR - 1 1999 DESIGN REVIEW COMMITTEE	City Engineer Approval Last Design Update
City Project No. 605781	Zone Map No. D-17
Sheet 5	Of 16

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS	
CONTRACTOR C.C.H.	DATE 06/99	STATION 10+00	DATE 07/99	NO.	DATE	NO.	DATE	NO.	DATE
INSPECTOR M.D.S./B.S./T.S.	DATE 07/99	STATION 10+00	DATE 07/99	380392	9/98				
VERIFIER J.M.A./M.D.S.	DATE 07/99								
CONVEYED BY J.M.A.	DATE 07/99								
RECORDED BY	DATE								

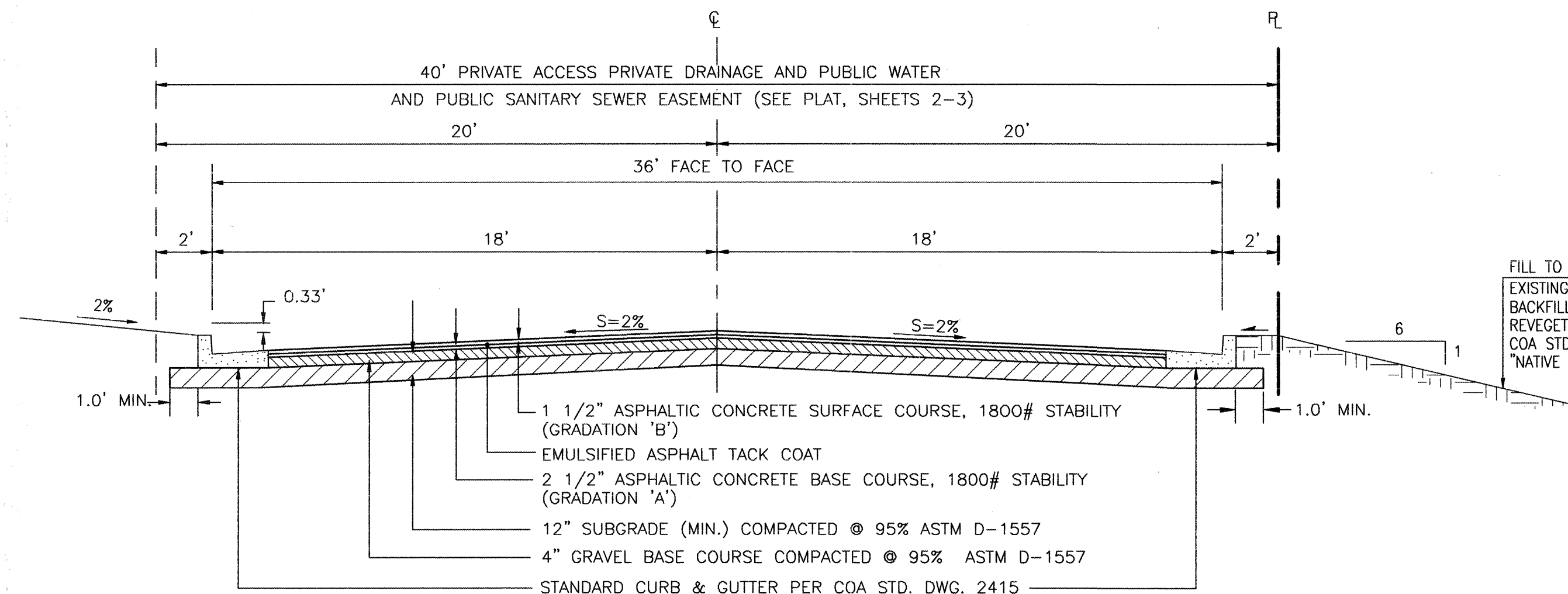
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Plot Time: 3:08 pm

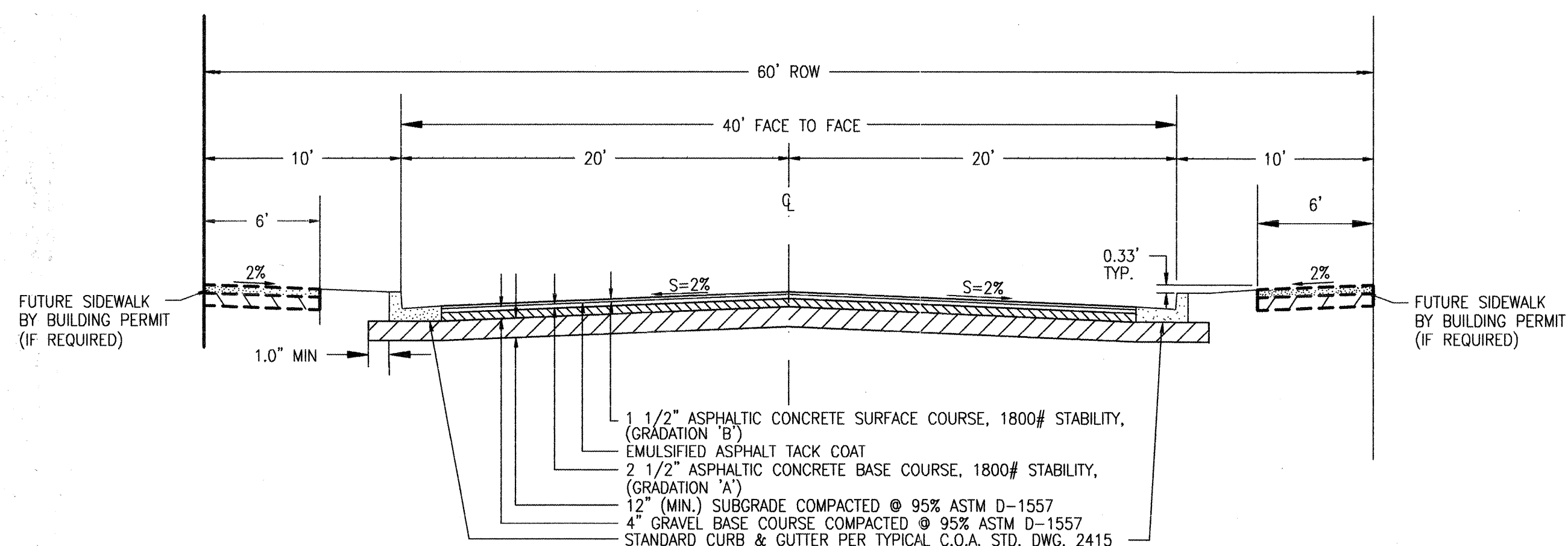
SCANNED BY
MESA REPRO



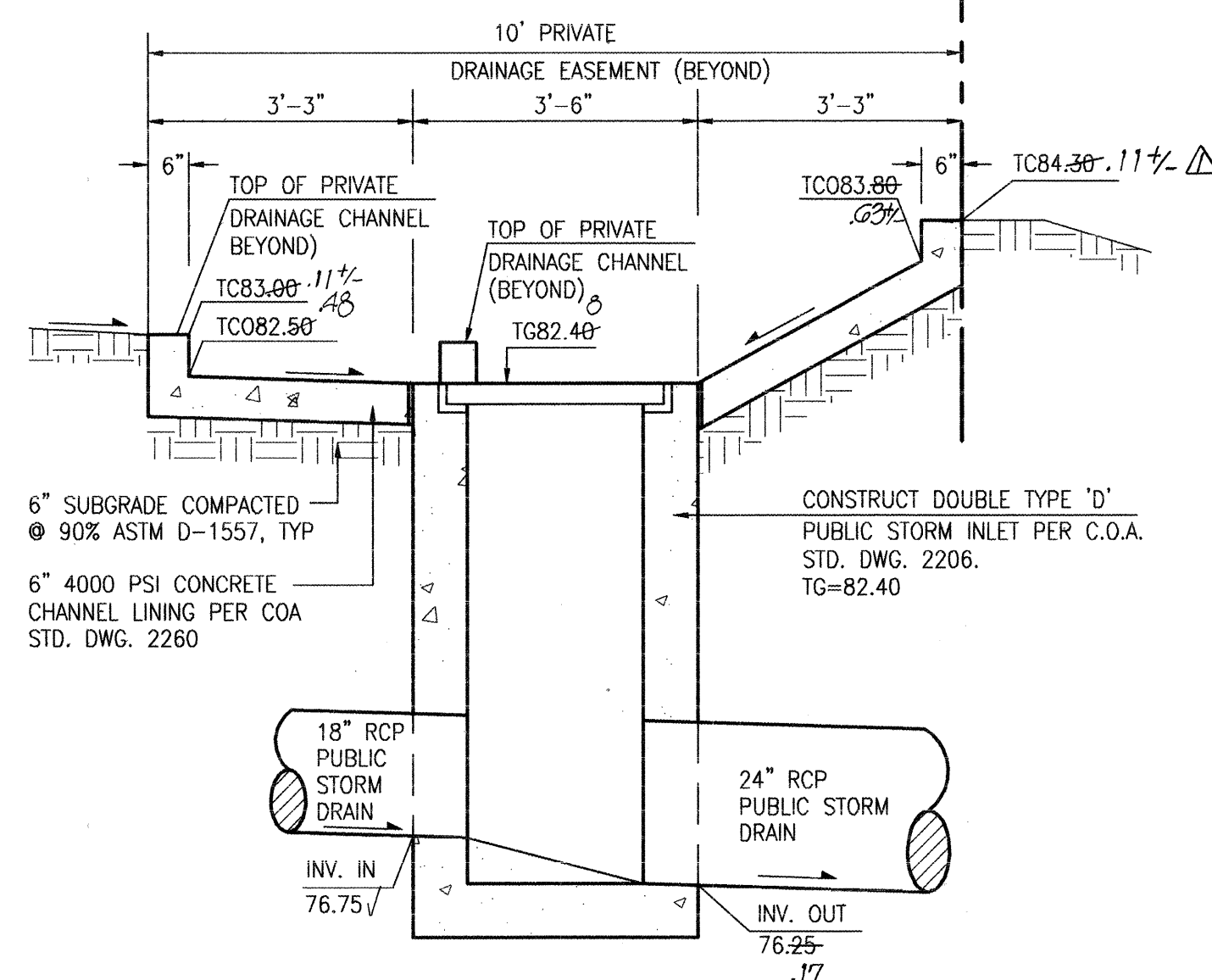
SECTION A-A (FOR INFORMATION ONLY-N.I.C.)
SCALE: 1" = 1'



SECTION C-C
SCALE: 1" = 4'-0"



SECTION D-D
SCALE: 1" = 6'
LORRAINE COURT N.E.



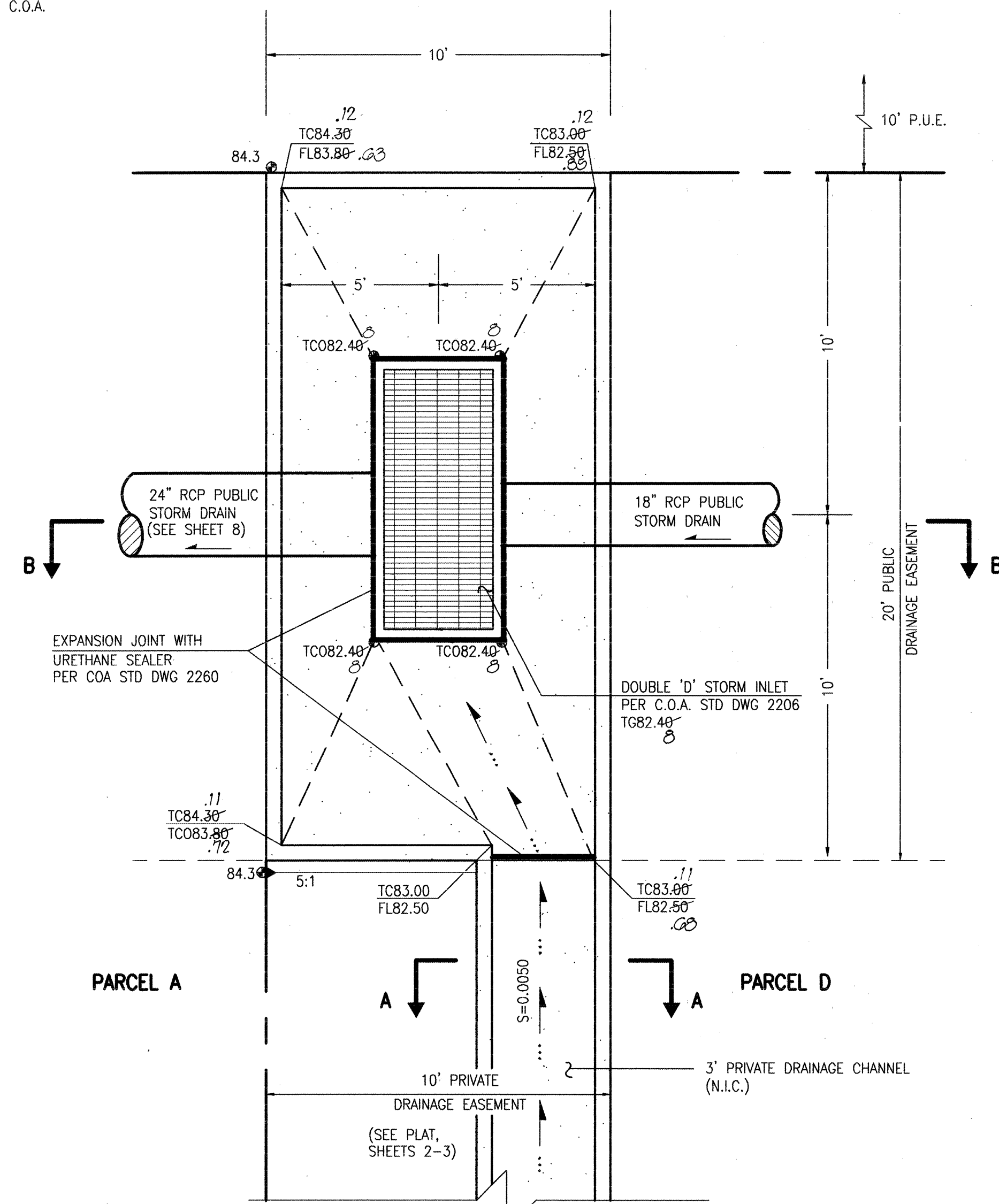
SECTION B-B
SCALE: 1" = 2'

FILL TO CATCH
EXISTING GRADE, COMPACT
BACKFILL @ 90% ASTM D-1557
REVEGETATE BACKFILL PER
COA STD. SPECIFICATION 1012,
"NATIVE GRASS SEEDING".

RECORD DRAWING
I, Jeffrey G. Mortensen, Registered Professional Engineer in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents the "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

Jeffrey G. Mortensen
New Mexico
Professional Engineer
No. 8547
Date 12-15-99

RECORD DRAWING



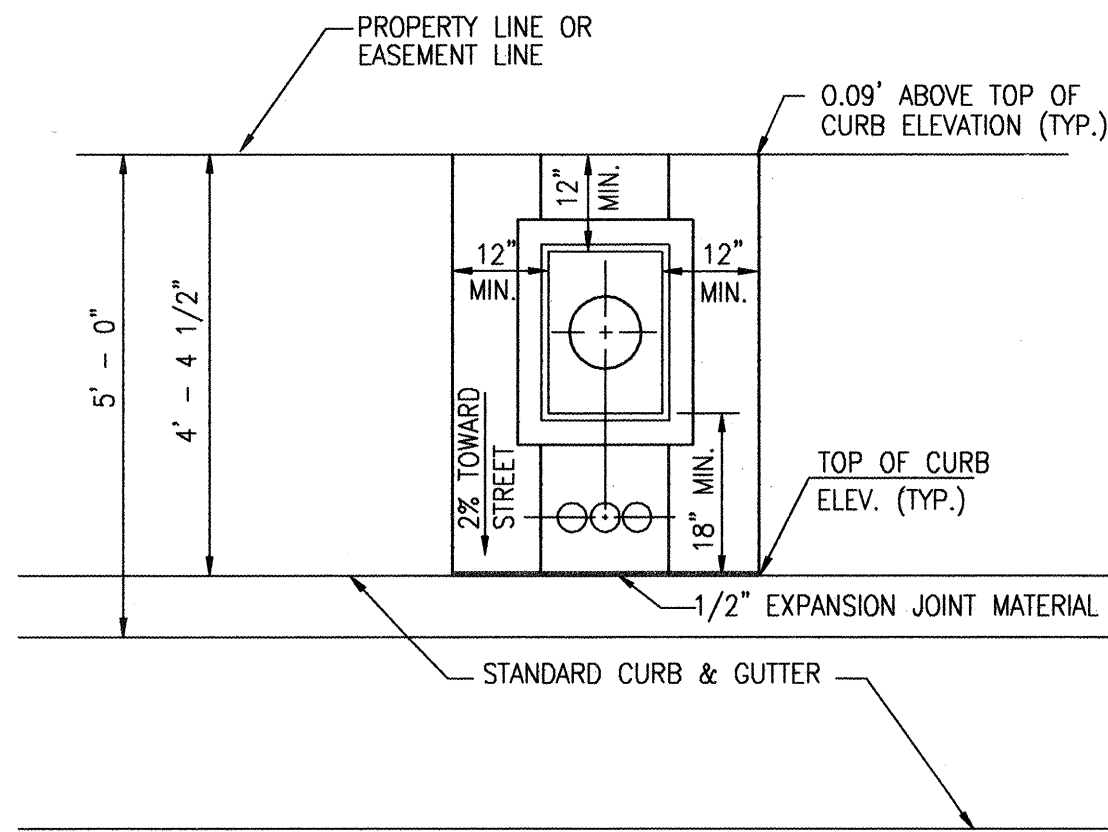
DETAIL 1
SCALE: 1" = 3'

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	STATION	DATE	NO.	DATE	NO.	DATE
C.M.A.	01/99	STATION IS A STANDARD BRASS TABLET (AMATEC RIGHT-OF-WAY MARKER)	01/99	980382	01/99	8547	01/99
INSPECTOR'S	DATE	STATION IS LOCATED AT THE INTERSECTION OF LOS ANGELES BLVD. N.E. AND THE NORTH DIVISION CHANNEL IN THE SOUTHEAST QUADRANT OF THE CROSSING.	01/99				
VERIFICATION BY	DATE						
CONTRACTOR	DATE						
RECORDED BY	DATE						
NO.							

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: PASEO DEL NORTE INDUSTRIAL PARK SECTIONS AND DETAILS	
APPROVED MAR - 1 1999 DESIGN REVIEW COMMITTEE	City Engineer Approval
City Project No. 605781	Zone Map No. D-17
Sheet 6	Of 16

980388
980386

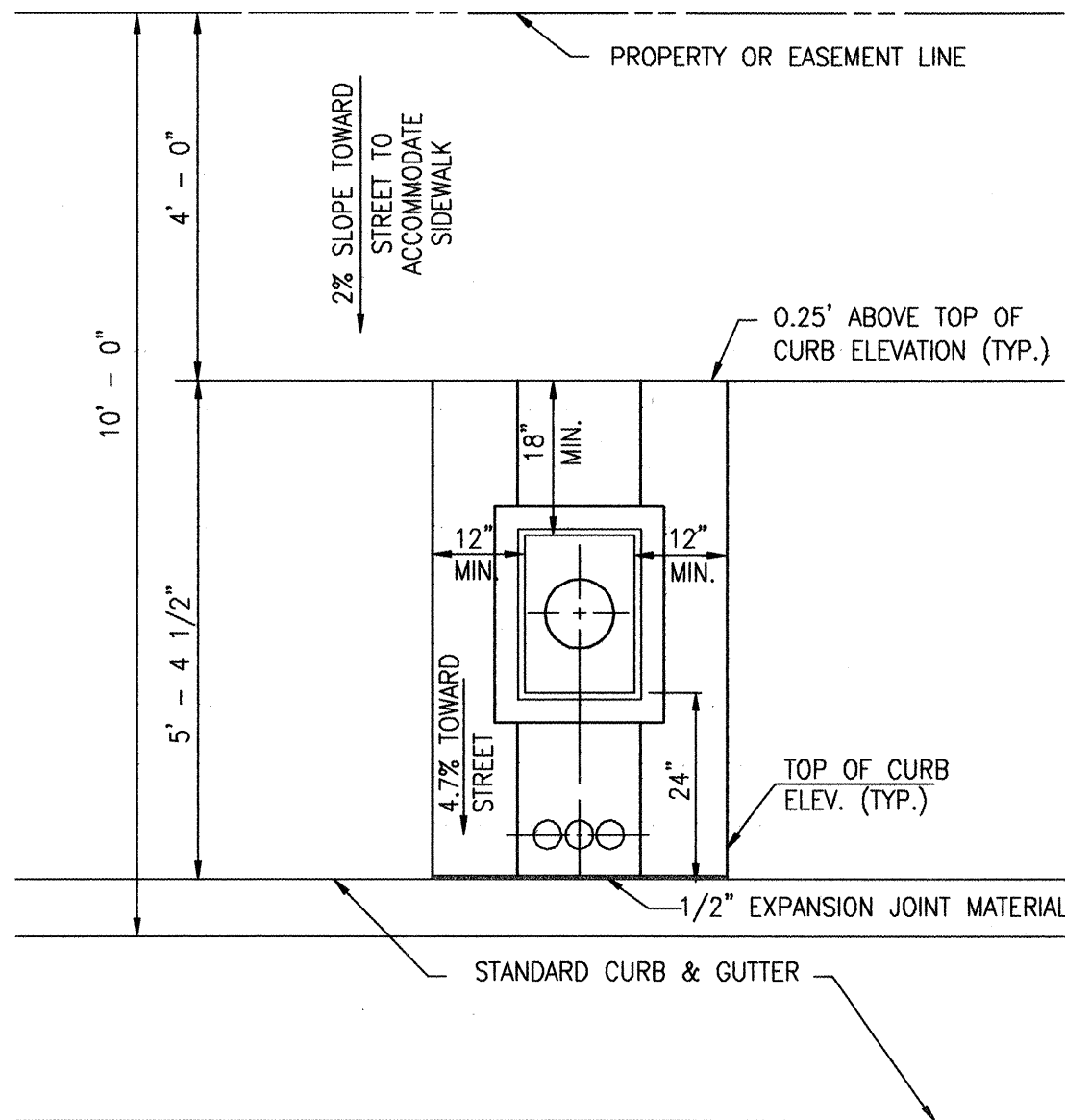
SCANNED BY
MESA REPRO



TYPICAL CUL-DE-SAC METER BOX INSTALLATION

SCALE: 1" = 2' - 0"

NOTE: FOR CONSTRUCTION DETAILS REFER TO C.O.A. STD.
DWGS. 2362 AND 2368

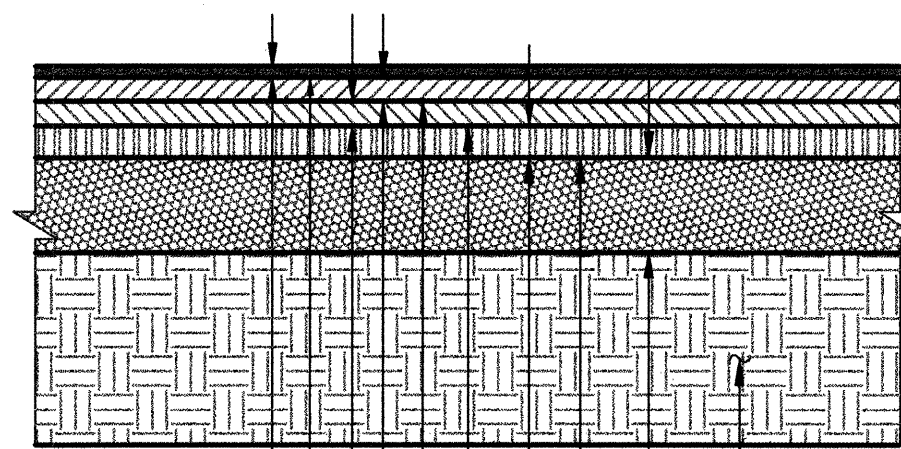


TYPICAL METER BOX INSTALLATION

SCALE: 1" = 2' - 0"

NOTE: FOR CONSTRUCTION DETAILS REFER TO C.O.A. STD.
DWGS. 2362 AND 2368

RECORD DRAWING



TYPICAL FRONTAGE ROAD PAVING SECTION

SCALE: 1" = 1'-0"

NOTE: THIS SECTION MATCHES THE SECTION SPECIFIED FOR
NMSHTD PROJECT SP(M)4054(204) - PASEO DEL NORTE

980388
980386



JETTY MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD., N.E.
ALBUQUERQUE, NEW MEXICO 87109
ENGINEERS SURVEYORS (SOS) 345-4250

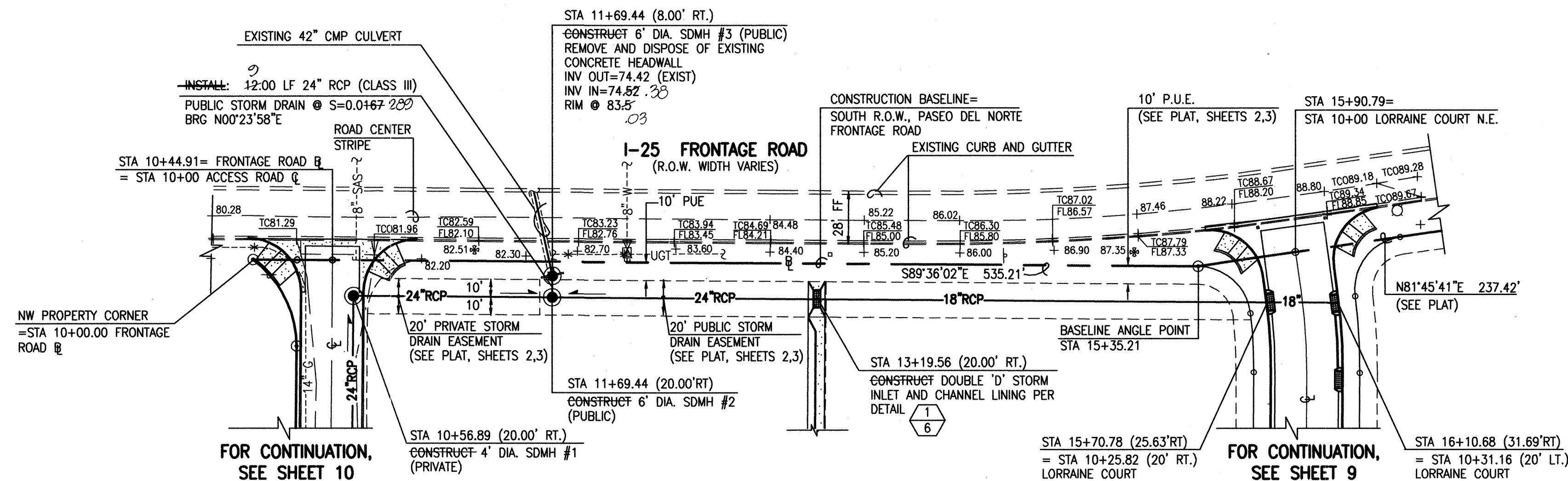
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: PASEO DEL NORTE INDUSTRIAL PARK SECTIONS AND DETAILS			
Design Review Committee APPROVED MAR - 1 1999 DESIGN REVIEW COMMITTEE	City Engineer Approval	Ms./Day/Yr.	Ms./Day/Yr.
City Project No. 605781	Zone Map No. D-17	Sheet 7	Of 16

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
FIELD NOTES					
NO.	DATE	BY	DATE	CONTRACTOR	DATE
980382	9/98	JMA	9/98	JMA	06/99
				STATION IS A STANDARD BRASS TABLET (AMATEA RIGHT-OF-WAY MARKER)	DATE 06/99
				STATION IS LOCATED AT THE INTERSECTION OF LOS ANGELES BLVD. N.E. AND THE NORTH DIVERSION CHANNEL IN THE SOUTHEAST QUADRANT OF THE CROSSING.	DATE 06/99
				ELEVATION = 5065.27 FEET (M.S.L.D.)	DATE 07/99
				RECORDED BY	DATE
				NO.	DATE

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Plot Date: 02-09-1999
File Name: 980386P3.DWG
Plot Time: 10:17 am

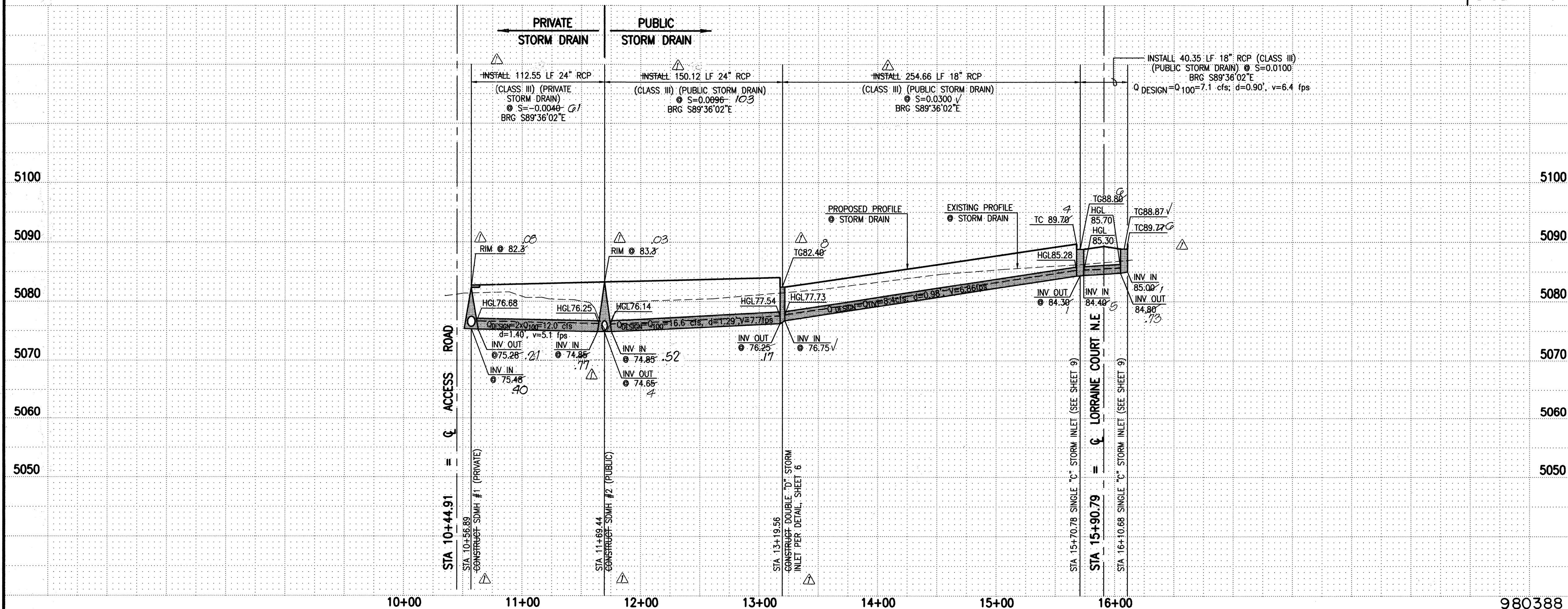
SCANNED BY
MESA REPRO

RECORD DRAWING



PASEO DEL NORTE SOUTH FRONTAGE ROAD

SCALE:
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 10'



STREET PAVING IMPROVEMENTS:

- ALL SLOPES AS SHOWN ON PROFILES ARE BASED ON CONSTRUCTION BASELINE STATIONING AS SHOWN AND DEFINED HEREON.
- WHERE REMOVAL OF EXISTING CURB AND GUTTER, SIDEWALK OR PAVEMENT IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. CURB AND GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
- ALL DIMENSIONS OF CURB AND CURB RETURNS ARE SHOWN TO FACE-OF-CURB.
- ALL SIDEWALKS SHOWN HEREON SHALL BE CONSIDERED UNDER SEPARATE PERMIT (BUILDING PERMIT).
- ALL WHEELCHAIR RAMPS MUST BE CONSTRUCTED UNDER THIS WORK ORDER.
- ALL CURB AND GUTTER SHOWN HEREON SHALL BE STANDARD CURB AND GUTTER PER CITY OF ALBUQUERQUE STANDARD DRAWING 2415 UNLESS OTHERWISE NOTED.
- UPON COMPLETION OF CONSTRUCTION, THE CITY OF ALBUQUERQUE WILL PROVIDE AND INSTALL ALL STREET SIGNS.
- STRIPING BY CONTRACTOR WILL BE REQUIRED PRIOR TO FINAL ACCEPTANCE.
- REFER TO SHEET 6 FOR STREET SECTIONS

STORM DRAIN NOTES:

- ALL STORM DRAIN TO BE CLASS III REINFORCED CONCRETE PIPE (RCP) UNLESS OTHERWISE NOTED.
- ALL MANHOLES SHALL BE 6' DIAMETER TYPE 'C' PER C.O.A. STANDARD DRAWING 2101 UNLESS OTHERWISE NOTED.
- ALL STATIONING IS BASED ON CONSTRUCTION BASELINE UNLESS OTHERWISE NOTED. SLOPES ARE BASED ON TRUE LENGTH OF PIPE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING APPROPRIATE MEANS AND METHODS TO EXCAVATE AND TRENCH AND INSTALL PIPE SO AS NOT TO EXCEED RIGHT-OF-WAY OR EASEMENT LIMITS, AND SO AS NOT TO INTERFERE WITH OTHER UTILITIES. THIS SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, SUPPORTING AND REPLACING, IF DAMAGED, ALL OTHER UTILITIES ENCOUNTERED DURING CONSTRUCTION. THIS SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.

RECORD DRAWING

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Jeffrey G. Mortensen
MPE No. 8547
12-15-99
Date

JMA
JEFF MORTENSEN & ASSOCIATES, INC.
1800-9 MONROE PARK BLVD. N.E.
ALBUQUERQUE, N.M. 87109
ENGINEERS & SURVEYORS (505) 345-4250

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: PASEO DEL NORTE INDUSTRIAL PARK
PARCELS A AND D STORM DRAIN IMPROVEMENTS PLAN AND PROFILE

APPROVED MAR - 1 1999 DESIGN REVIEW COMMITTEE	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
City Project No. 605781	Zone Map No. D-17	Sheet 8	Of 16

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	CCM	STATION IS A STANDARD BRASS TABLET (AMALCO RIGHT-OF-WAY MARKER)	DATE	NO.	BY		02-10-99
INSPECTOR'S	JMA	STATION IS LOCATED AT THE INTERSECTION OF LOS ANGELES BLVD. N.E. AND THE NORTH INVERSION CHANNEL IN THE SOUTHEAST QUADRANT OF THE CROSSING.	DATE	NO.	BY		
FIELD ENGINEER	M.D.G.	ELEVATION = 5068.27 FEET (M.S.L.D.)	DATE	NO.	BY		
RECORD BY	JMA		DATE	NO.	BY		

RECORD DRAWING

CURVE TABLE						
CURVE	RADIUS	ARC	CHORD	BEARING		DELTA
①	30.00'	47.21'	42.49'	S 36°50'32"	W	90°09'41"
②	30.00'	45.65'	41.37'	S 51°49'37"	E	87°10'35"
③	320.00'	48.24'	48.20'	S 03°55'11"	E	08°38'17"
④	300.00'	45.23'	45.19'	S 03°55'11"	E	08°38'17"
⑤	280.00'	42.21'	42.17'	N 03°55'11"	W	08°38'17"
⑥	30.00'	26.87'	25.98'	S 25°15'35"	E	51°19'04"
⑦	30.00'	26.87'	25.98'	N 26°03'30"	E	51°19'04"
⑧	50.00'	123.32'	94.36'	S 19°44'25"	W	141°19'04"
⑨	50.00'	123.32'	94.36'	N 18°56'30"	W	141°19'04"

STREET PAVING IMPROVEMENTS

1. ALL SLOPES AS SHOWN ON PROFILES ARE BASED ON STREET CENTERLINE STATIONING EXCEPT CUL-DE-SACS WHERE STATIONING IS ALONG FACE-OF-CURB.
2. WHERE REMOVAL OF EXISTING CURB AND GUTTER, SIDEWALK OR PAVEMENT IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. CURB AND GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
3. ALL DIMENSIONS OF CURB AND CURB RETURNS ARE SHOWN TO FACE-OF-CURB.
4. ALL SIDEWALKS SHOWN HEREON SHALL BE CONSIDERED UNDER SEPARATE PERMIT (BUILDING PERMIT).
5. ALL WHEELCHAIR RAMPS MUST BE CONSTRUCTED UNDER THIS WORK ORDER.
6. ALL CURB AND GUTTER SHOWN HEREON SHALL BE STANDARD CURB AND GUTTER PER CITY OF ALBUQUERQUE STANDARD DRAWING 2415 UNLESS OTHERWISE NOTED.
7. UPON COMPLETION OF CONSTRUCTION, THE CITY OF ALBUQUERQUE WILL PROVIDE AND INSTALL ALL STREET SIGNS.
8. STRIPING BY CONTRACTOR WILL BE REQUIRED PRIOR TO FINAL ACCEPTANCE.
9. REFER TO SHEET 6 FOR STREET SECTIONS

STORM DRAIN NOTES:

1. ALL STORM DRAIN TO BE CLASS III REINFORCED CONCRETE PIPE (RCP) UNLESS OTHERWISE NOTED.
2. ALL MANHOLES SHALL BE 6' DIAMETER TYPE "C" PER C.O.A. STANDARD DRAWING 2101 UNLESS OTHERWISE NOTED.
3. ALL STATIONING IS BASED ON STREET CENTERLINE UNLESS OTHERWISE NOTED. SLOPES ARE BASED ON TRUE LENGTH OF PIPE.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING APPROPRIATE MEANS AND METHODS TO EXCAVATE AND TRENCH AND INSTALL PIPE SO AS NOT TO EXCEED RIGHT-OF-WAY OR EASEMENT LIMITS, AND SO AS NOT TO INTERFERE WITH OTHER UTILITIES. THIS SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
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JEFFREY G. MORTENSEN
NEW MEXICO
12-15-
Date

TIME NO. 854

REGISTERED PROFESSIONAL ENGINEER

8547

1200

Jma

JEFF MORTESEN & ASSOCIATES, INC.
☐ 6010-B MIDWAY PARK BLVD. N.E.
☐ ALBUQUERQUE ☐ NEW MEXICO 87109
☐ ENGINEERS ☐ SURVEYORS (505) 345-4111

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT

LE: PASEO DEL NORTE INDUSTRIAL
LORRAINE COURT

APPROVE Public Review Committee City Engineer Approval	
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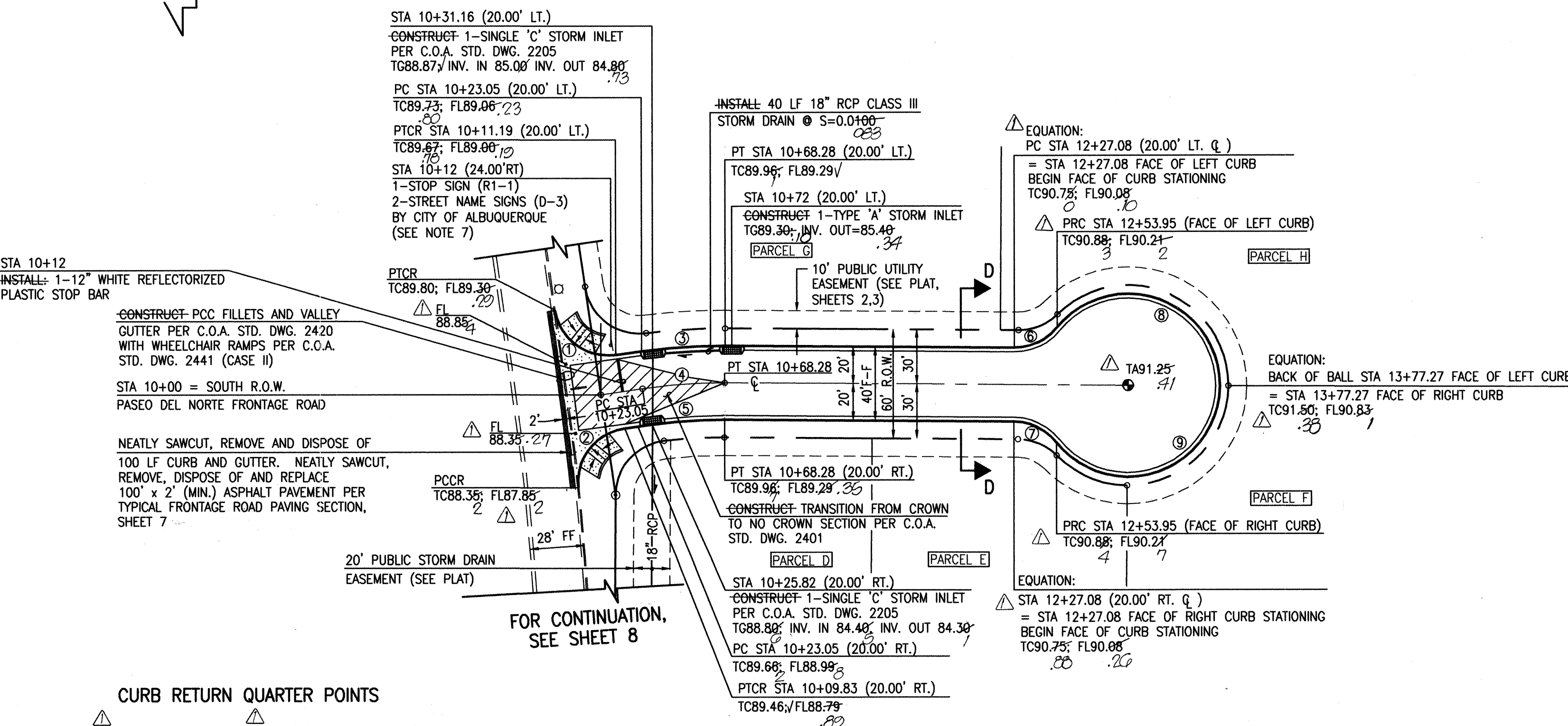
MAR - 1 1999

DESIGN
REVIEW COMMITTEE

Project No.	605781	Zone Map No.	D-17
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SCANNED BY
MESA REPRO



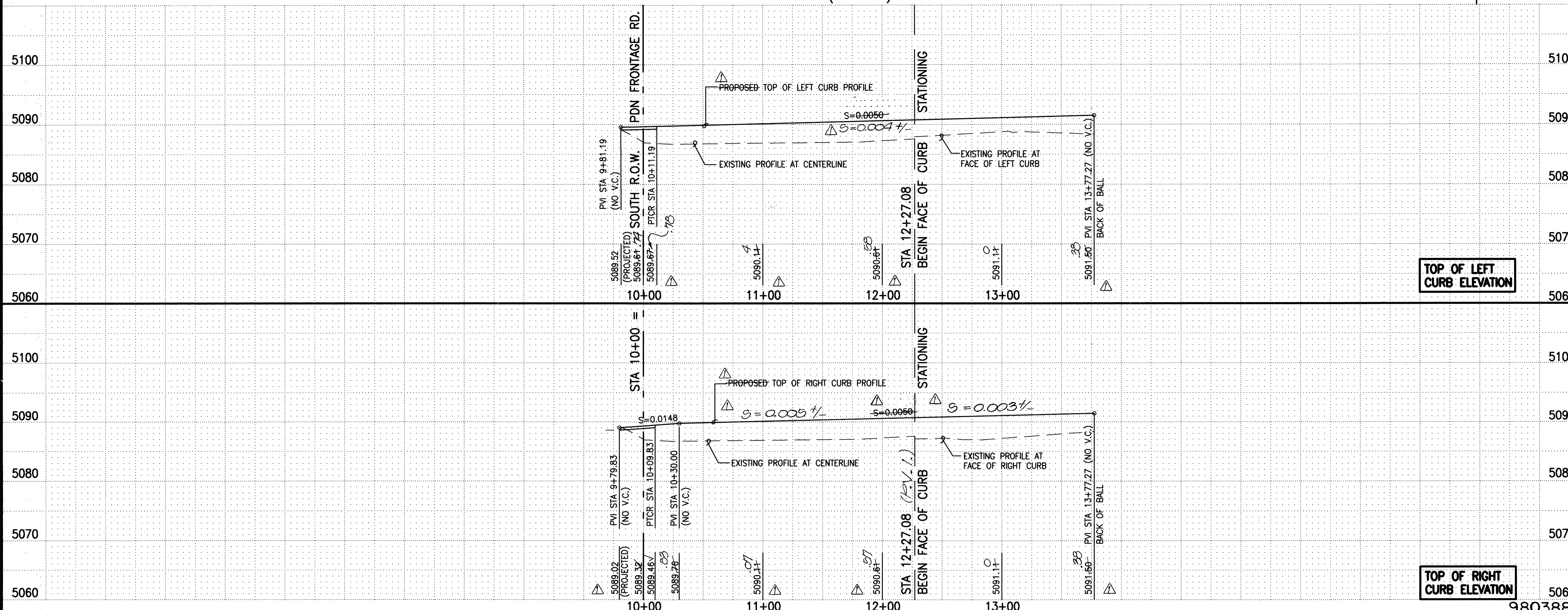
CURB RETURN QUARTER POINTS

①	TC	FL	②	TC	FL
1	89.75	89.08	1	89.37	88.70
2	-	89.15	2	-	88.60
3	89.72	89.22	3	88.73	88.23

NOTE: 4
CONTRACTOR SHALL CONSTRUCT TRANSITION
FROM 8" CURB TO 6" CURB ACROSS
WHEELCHAIR RAMP

LORRAINE COURT N.E.
(PUBLIC)

SCALE:
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 10'



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File Name:	980386P1.DWG	Plot Time:	10:19 am

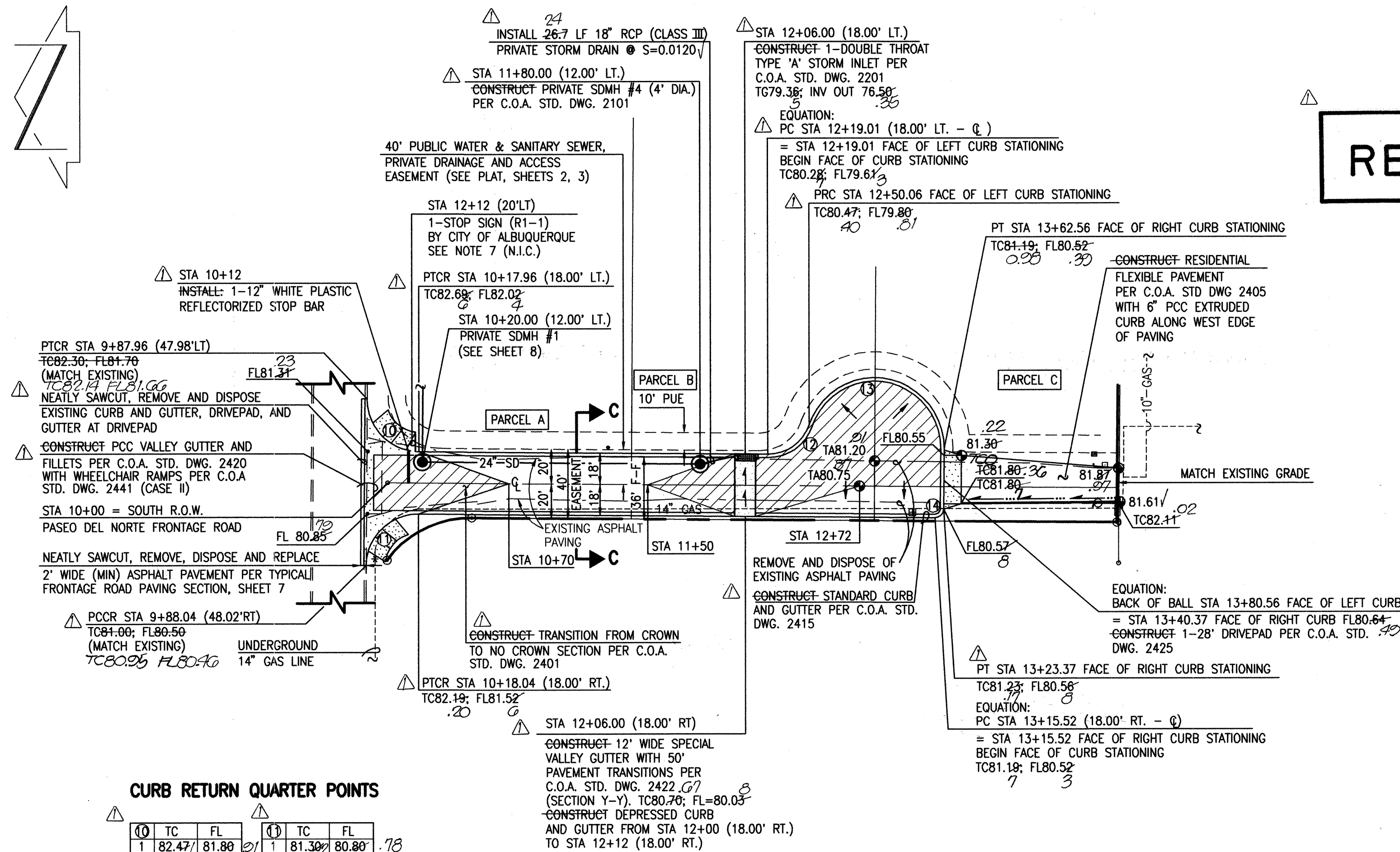
980388
~~980386~~

City Project No. 605781

Zone Map No.
D-17

Sheet 9 Of 16

SCANNED BY
MESA REPRO



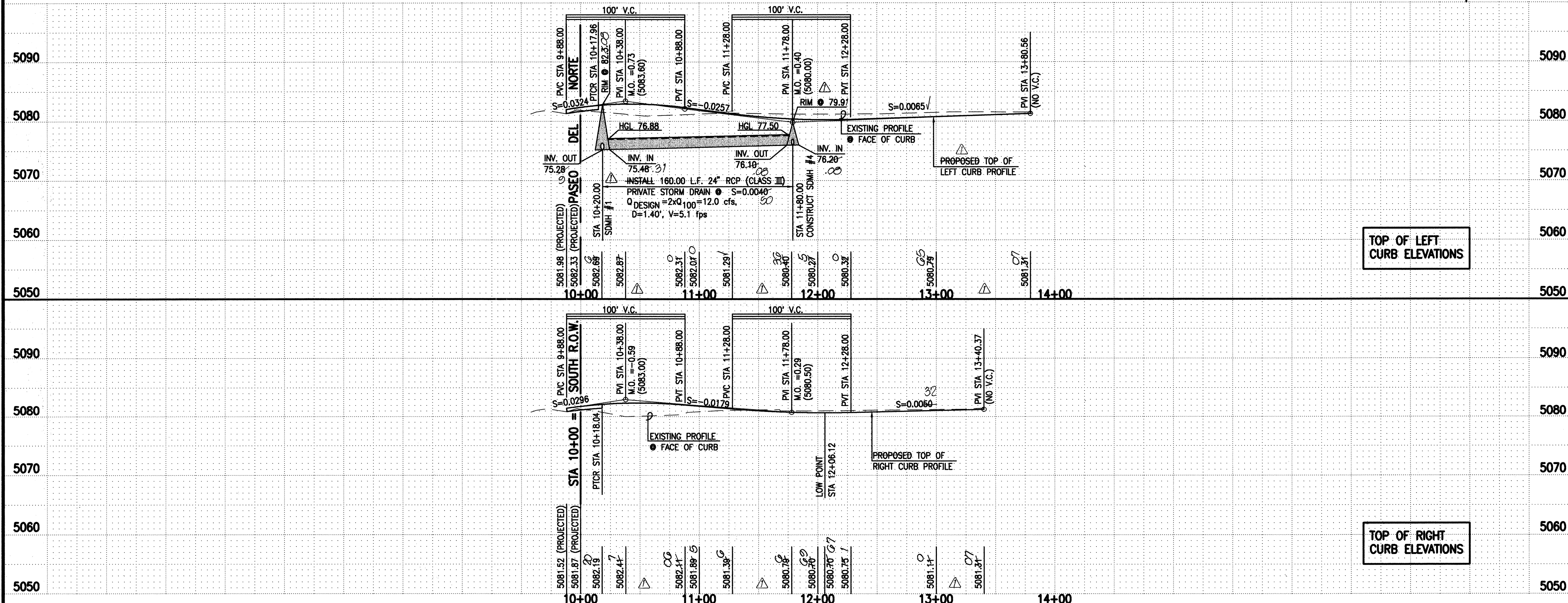
CURB RETURN QUARTER POINTS

TC	FL	TC	FL
1	82.47	1	81.30
2	81.60	2	81.40
3	82.15	3	81.97

NOTE:
CONTRACTOR SHALL CONSTRUCT TRANSITION FROM 8" CURB TO 6" CURB ACROSS WHEELCHAIR RAMP

40' PRIVATE ACCESS ROAD

SCALE:
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 10'



TOP OF LEFT CURB ELEVATIONS

TOP OF RIGHT CURB ELEVATIONS

RECORD DRAWING

CURVE	RADIUS	LENGTH	CHORD	BEARING	DELTA
1	30.00'	47.10'	42.41'	S 43°25'21" W	89°57'13"
2	30.00'	47.10'	42.41'	S 44°34'59" E	90°02'47"
3	25.00'	31.05'	29.09'	S 35°07'47" E	71°09'03"
4	40.00'	112.50'	78.92'	S 09°52'13" W	161°09'03"
5	5.00'	7.85'	7.07'	N 44°33'15" W	90°00'00"

STREET PAVING IMPROVEMENTS:

- ALL SLOPES AS SHOWN ON PROFILES ARE BASED ON STREET CENTERLINE STATIONING EXCEPT CUL-DE-SACS WHERE STATIONING IS ALONG FACE OF CURB.
- WHERE REMOVAL OF EXISTING CURB AND GUTTER, SIDEWALK OR PAVEMENT IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. CURB AND GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
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- UPON COMPLETION OF CONSTRUCTION, THE CITY OF ALBUQUERQUE WILL PROVIDE AND INSTALL ALL STREET SIGNS.
- STRIPING BY CONTRACTOR WILL BE REQUIRED PRIOR TO FINAL ACCEPTANCE.
- REFER TO SHEET 6 FOR STREET SECTIONS.

STORM DRAIN NOTES:

- ALL STORM DRAIN TO BE CLASS III REINFORCED CONCRETE PIPE (RCP) UNLESS OTHERWISE NOTED.
- ALL MANHOLES SHALL BE 6' DIAMETER TYPE 'C' PER C.O.A. STANDARD DRAWING 2101 UNLESS OTHERWISE NOTED.
- ALL STATIONING IS BASED ON CONSTRUCTION BASELINE UNLESS OTHERWISE NOTED. SLOPES ARE BASED ON TRUE LENGTH OF PIPE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING APPROPRIATE MEANS AND METHODS TO EXCAVATE AND TRENCH AND INSTALL PIPE SO AS NOT TO EXCEED RIGHT-OF-WAY OR EASEMENT LIMITS, AND SO AS NOT TO INTERFERE WITH OTHER UTILITIES. THIS SHALL BE CONSIDERED INCIDENTAL TO TRENCHING; THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
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Jeffrey G. Mortensen
Professional Engineer
No. 8547
Date 12-15-99

JMA

JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD., N.E.
ALBUQUERQUE, NM 87109
ENGINEERS SURVEYORS (505) 345-4250

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: PASEO DEL NORTE INDUSTRIAL PARK
40' PRIVATE ACCESS ROAD
PAVING AND STORM DRAIN IMPROVEMENTS PLAN & PROFILE

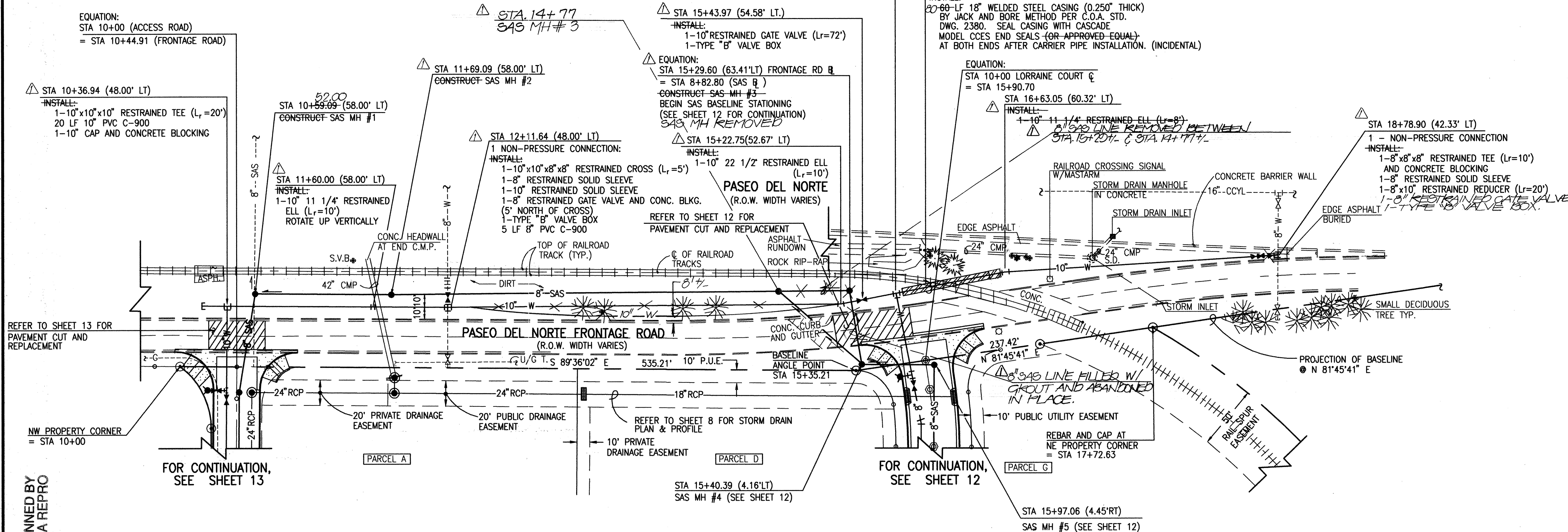
APPROVED
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DESIGN REVIEW COMMITTEE

City Engineer Approval
Last Design Update

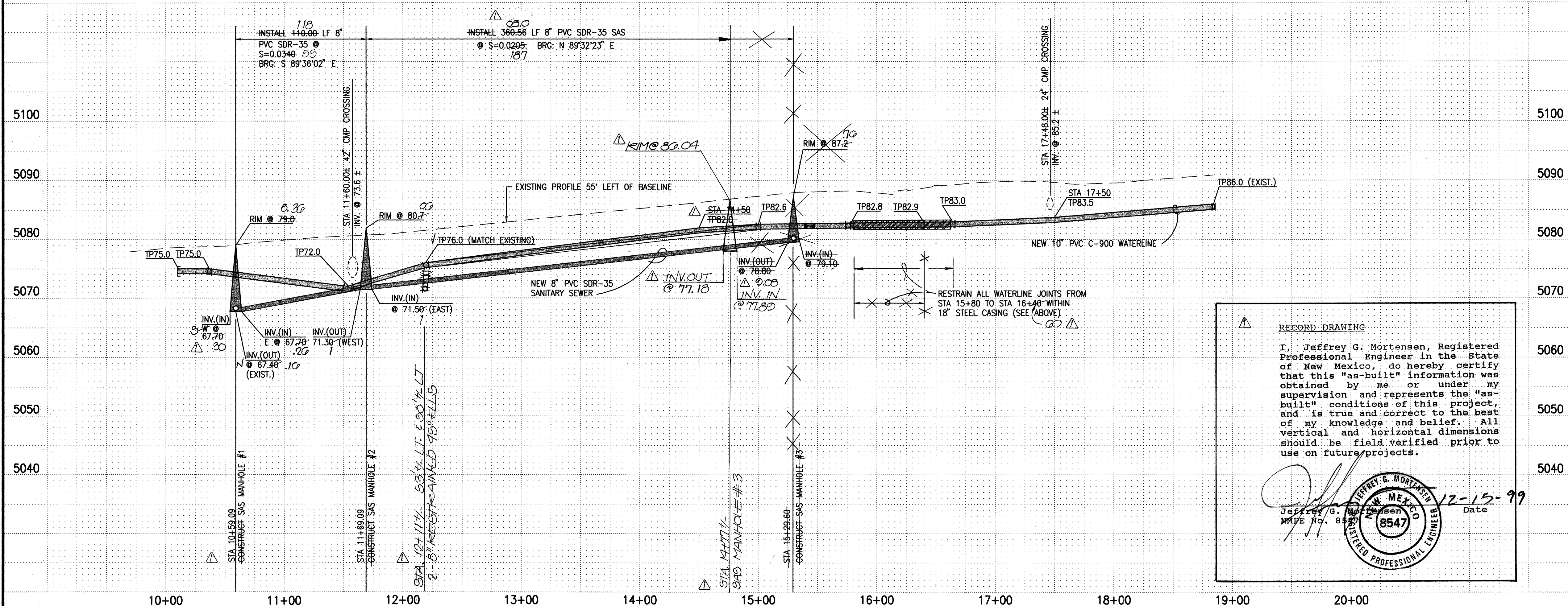
REVISIONS
NO. DATE BY

City Project No. 605781
Zone Map No. D-17
Sheet 10 of 16

RECORD DRAWING



PASEO DEL NORTE SOUTH FRONTAGE ROAD



SCALE:
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 10'

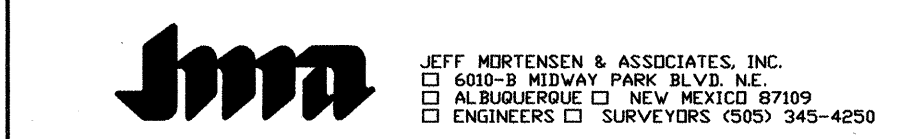
RECORD DRAWING

I, Jeffrey G. Mortensen, Registered Professional Engineer in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents the "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

Jeffrey G. Mortensen
Professional Engineer
No. 8547
Date 12-15-99

- WATERLINE CONSTRUCTION NOTES:
- ALL STATIONING IS BASED ON CONSTRUCTION BASELINE SHOWN HEREON UNLESS INDICATED OTHERWISE.
 - FOR ALL LINES 12" AND SMALLER, WATER MAIN SHALL BE PVC C-900 PIPE OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. DUCTILE IRON IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF PVC.
 - FOR ALL LINES 14" AND LARGER, WATER MAIN SHALL BE DUCTILE IRON OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. CONCRETE CYLINDER IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF DUCTILE IRON.
 - WATERLINE SHALL HAVE A MINIMUM COVER OF 4'0" (TO TOP OF CURB). EXTRA DEPTH TRENCHING, IF REQUIRED, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
 - ELECTRONIC MARKER DISCS (EMD) SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATION.
 - IN ACCORDANCE WITH SECTION 801 OF THE "STANDARD SPECIFICATIONS", METALIZED DETECTABLE WARNING TAPE SHALL BE INSTALLED 18" ABOVE ALL PVC PIPE INSTALLED ON THIS PROJECT.
 - VALVE STEM AND FIRE HYDRANT EXTENSIONS SHALL BE PROVIDED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. THE COST OF EACH EXTENSION SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION THEREFORE NO SEPARATE PAYMENT WILL BE MADE.
 - JOINT RESTRAINT SHALL BE CONSIDERED INCIDENTAL TO WATERLINE CONSTRUCTION THEREFORE NO SEPARATE PAYMENT WILL BE MADE.
 - JOINT RESTRAINT SHALL BE PROVIDED ON ALL JOINTS OF FIRE HYDRANT LEGS FROM TEE TO FIRE HYDRANT INCLUDING THE TEE AND FIRE HYDRANT.
 - FOR THE PURPOSES OF THIS PROJECT, ALL RESTRAINED JOINTS AND JOINT RESTRAINT SHALL BE MECHANICALLY RESTRAINED. JOINT RESTRAINT LENGTHS SPECIFIED HEREON ARE THE LENGTHS TO BE RESTRAINED EACH SIDE OF THE FITTING.
 - ALL WATER SERVICES SHALL INCLUDE A CHECK VALVE AS REQUIRED BY SECTION 802.3.13 OF THE SPECIFICATIONS (PRESSURE ZONE 2-E).
 - ALL FIRE HYDRANTS SHALL BE SECURELY WRAPPED IN BLACK PLASTIC UNTIL SUCH TIME AS THE NEW WATERLINE IS PUT INTO SERVICE BY WATER SYSTEM DIVISION PERSONNEL.

- SANITARY SEWER CONSTRUCTION NOTES:
- ALL STATIONING IS BASED ON CONSTRUCTION BASELINE SHOWN HEREON UNLESS INDICATED OTHERWISE.
 - ALL SEWER PIPE SHALL BE PVC (SDR-35), UNLESS OTHERWISE INDICATED.
 - SLOPES SHOWN ON THE PROFILES ARE BASED ON TRUE DISTANCES.
 - ALL MANHOLES SHALL BE FOUR-FOOT DIAMETER TYPE "E" AS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2102 UNLESS OTHERWISE NOTED. MANHOLE STEPS SHALL BE DELETED FROM THIS CONTRACT.
 - SEWER SERVICE LATERALS SHALL BE PROVIDED WITH ELECTRONIC MARKER DISCS (EMD) AS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2125. EMD SHALL BE PROVIDED IN ACCORDANCE WITH THE STANDARD SPECIFICATION.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING APPROPRIATE MEANS AND METHODS TO EXCAVATE AND TRENCH AND INSTALL PIPE SO AS TO NOT EXCEED RIGHT-OF-WAY OR EASEMENT LIMITS, AND SO AS NOT TO INTERFERE WITH OTHER UTILITIES. THIS SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, SUPPORTING AND REPLACING, IF DAMAGED, ALL OTHER UTILITIES ENCOUNTERED DURING CONSTRUCTION. THIS SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
 - WHERE WATER AND SANITARY SEWER LINES CROSS, THE SANITARY SEWER LINE SHALL BE INSTALLED AS PRESSURE PIPE BETWEEN MANHOLES IF 18 INCHES OF VERTICAL SEPARATION DOES NOT EXIST.



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: PASEO DEL NORTE INDUSTRIAL PARK
PASEO DEL NORTE FRONTAGE ROAD
WATER AND SANITARY SEWER LINE EXTENSIONS PLAN AND PROFILE

NO.	DATE	REMARKS
1	02-10-99	DESIGN
2	02-10-99	REVISIONS

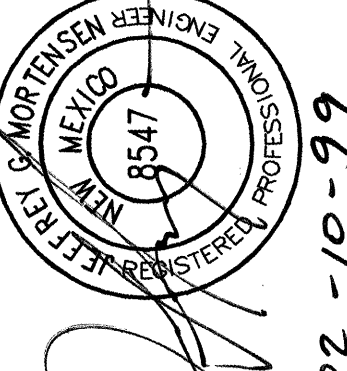
City Project No. 605781
Zone Map No. D-17
Sheet 11 of 16

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	CCM	STATION IS A STANDARD BRASS TABLET (AMERICAN RIGHT-OF-WAY MARKER)	STATION IS A STANDARD BRASS TABLET (AMERICAN RIGHT-OF-WAY MARKER)	FIELD NOTES	BY	NO.	DATE
DATE	02/10/99	STAMPED "N.A.-8", SET IN CONCRETE PROJECTING 0.3 FEET. THE	STATION IS LOCATED AT THE INTERSECTION OF LOS ANGELES BLVD. N.E.	DATE	J.M.A.	980382	09/1998
INSPECTOR'S	M.D.S.	FIELD VERIFICATION BY	DATE	DATE	DATE	DATE	DATE
VERIFIED BY	J.M.A.	DATE	DATE	DATE	DATE	DATE	DATE
CORRECTED BY	J.M.A.	DATE	DATE	DATE	DATE	DATE	DATE
RECORDED BY	J.M.A.	DATE	DATE	DATE	DATE	DATE	DATE
NO.		NO.		NO.		NO.	
DATE		DATE		DATE		DATE	
DESIGNED BY	G.M.	DATE	01-1999	DESIGNED BY	G.M.	DATE	01-1999
DRAWN BY	S.G.H./J.Y.R.	DATE	01-1999	DRAWN BY	S.G.H./J.Y.R.	DATE	01-1999
CHECKED BY	J.C.M.	DATE	02-1999	CHECKED BY	J.C.M.	DATE	02-1999

RECORD DRAWING

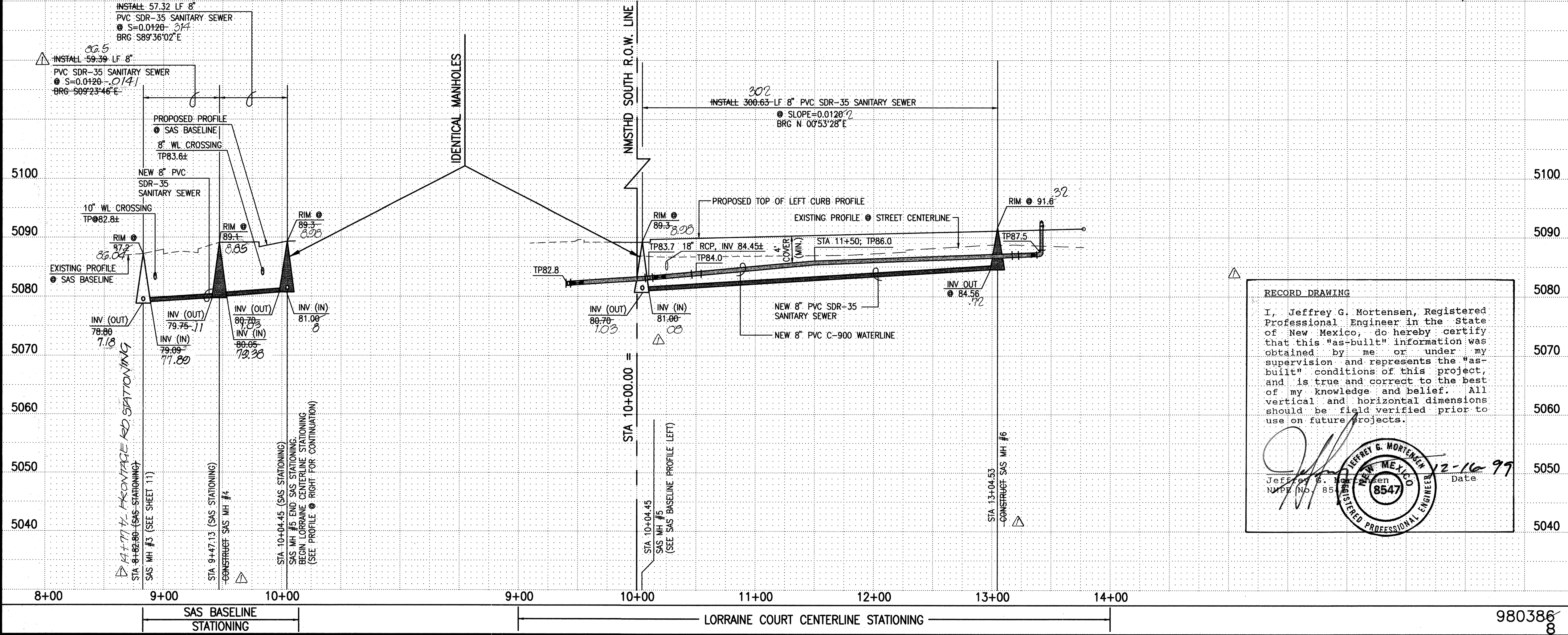
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 - ALL WATER SERVICES SHALL INCLUDE A CHECK VALVE AS REQUIRED BY SECTION 802.313 OF THE SPECIFICATIONS (PRESSURE ZONE 2-E).
 - ALL FIRE HYDRANTS SHALL BE SECURELY WRAPPED IN BLACK PLASTIC UNTIL SUCH TIME AS THE NEW WATERLINE IS PUT INTO SERVICE BY WATER SYSTEM DIVISION PERSONNEL.

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AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	CCM	STATION IS A STANDARD BRASS TABLET (AMATEC RIGHT-OF-WAY MARKER)	DATE	NO.	BY		02-10-99
DESIGNED BY	J.M.A.	STAMPED, "N.A.-9", SET IN CONCRETE PROJECTING 0.3 FEET. THE STATION IS LOCATED AT THE INTERSECTION OF LOS ANGELES BLVD. N.E. AND THE NORTH DIVISION CHANNEL IN THE SOUTHEAST QUADRANT OF THE CROSSING.	DATE	9/98	JMA		
INSPECTED BY	M.D.S.	THE CROSSING ELEVATION = 5069.27 FEET (M.S.L.D.)	DATE	01/99			
VERIFIED BY	J.M.A.		DATE	02/99			
MICRO-FILM INFORMATION							
RECORDED BY							
DATE							

REMARKS	
DESIGN	Revisions
NO.	DATE
1	01-1999
2	01-1999
3	02-1999
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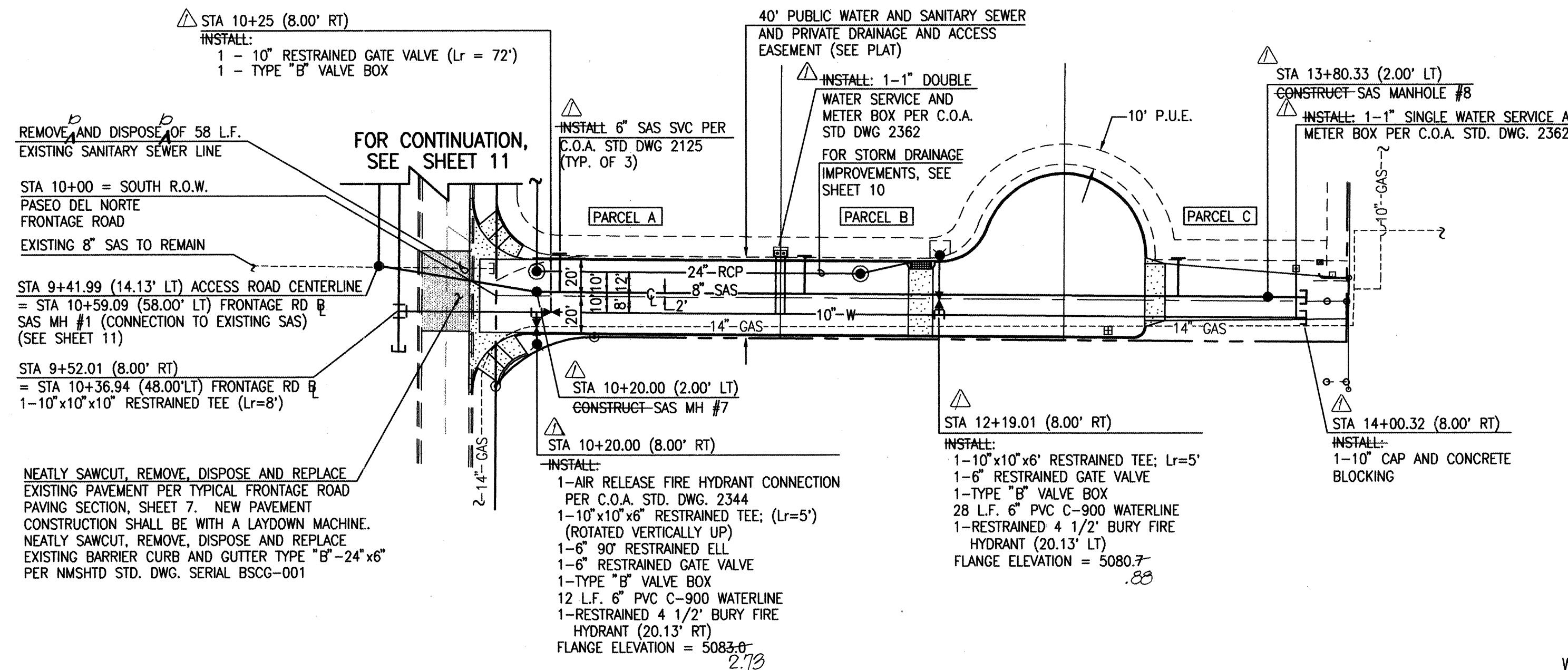
LORRAINE COURT N.E.



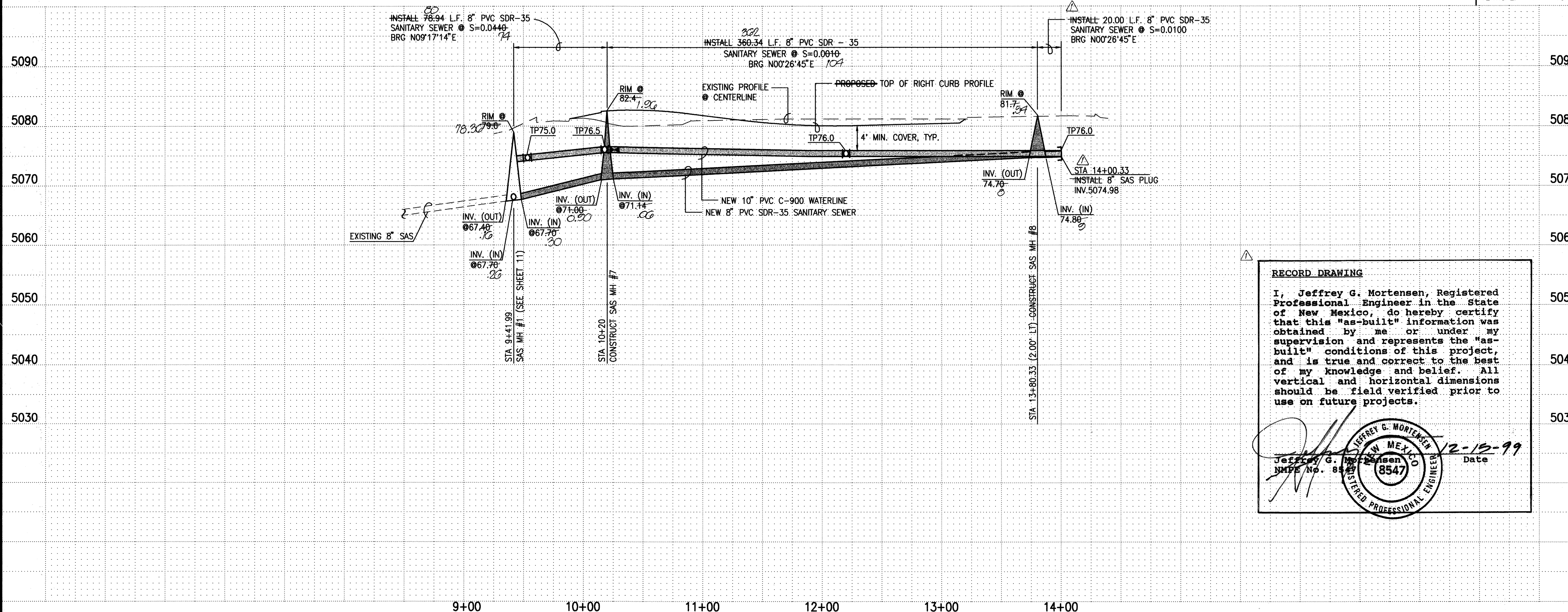
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File Name: 980386P4.DWG Plot Time: 12:20 pm

SCANNED BY
MESA REPRO

RECORD DRAWING



40' PRIVATE ACCESS ROAD



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Jmm

JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD., N.E.
ALBUQUERQUE, NM 87109
ENGINEERS/SURVEYORS (505) 345-4250

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:	
PASO DEL NORTE INDUSTRIAL PARK 40' PRIVATE ACCESS ROAD WATER AND SANITARY SEWER LINE EXTENSIONS PLAN & PROFILE	
DESIGNED BY	DATE
Drawn By	Date
Checked By	Date
City Engineer Approval	Zone Map No.
City Project No. 605781	D-17
Sheet 13	Of 16

SCANNED BY
MESA REPRO

- CTCSTND1.DWG

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- The diagram illustrates various traffic control devices used in road construction or maintenance. It includes the following components:
- TYPE III BARRICADE:** A diagram showing a barricade with a warning light on top. The warning light is labeled "WARNING LIGHT" and "8" TO 12". The barricade itself is labeled "8" TO 12" and "5' MIN.". The angle of the top surface is labeled "45°".
 - CONES:** Two diagrams of cones. The first is labeled "BASE VARIES" and "28" MIN.". The second is labeled "38" MIN."
 - VERTICAL PANEL:** A diagram showing a vertical panel with a warning light on top. The warning light is labeled "WARNING LIGHT" and "8" TO 12". The panel is labeled "36" MIN.", "24" MIN.", and "45°".
 - HIGH LEVEL WARNING DEVICE:** A diagram showing a high level warning device with a warning light on top. The warning light is labeled "WARNING LIGHT" and "8" MIN."
 - TYPE II BARRICADE (COLLAPSIBLE):** A diagram showing a collapsible barricade with a warning light on top. The warning light is labeled "WARNING LIGHT" and "8" TO 12". The barricade is labeled "8" TO 12" and "5' MIN.". The angle of the top surface is labeled "45°".
 - BARREL:** A diagram showing a barrel with a warning light on top. The warning light is labeled "WARNING LIGHT" and "18" MIN.". The barrel is labeled "4" TO 8" and "5' APPROX".
 - TYPE I BARRICADE (COLLAPSIBLE):** A diagram showing a collapsible barricade with a warning light on top. The warning light is labeled "WARNING LIGHT" and "8" TO 12". The barricade is labeled "8" TO 12" and "5' MIN.". The angle of the top surface is labeled "45°".
 - TRAFFIC CONTROL DEVICES:** A diagram showing the layout of traffic control devices. It includes a "TERMINATION AREA", "WORK ZONE", "BUFFER SPACE" (1/2 L), "TAPER AREA (L)", and "ADVANCE WARNING AREA". The devices are labeled "TYPE III / R11-2a" and "W1-6(L)".

 W1-1(R) 30 MPH or LESS	 W1-1(L) 30 MPH or LESS	 W1-2(R) 30 MPH or GREATER	 W1-2(L) 30 MPH or GREATER	 W1-3(R) 30 MPH or LESS	 W1-3(L) 30 MPH or LESS	 W1-4(R) 30 MPH or GREATER	 W1-4(L) 30 MPH or GREATER	 W1-6(R)	 W1-6(L)	 W3-1
 W4-2(R)	 W4-2(L)	 W6-3	 W8-1	 W8-3	 W8-3A	 W8-7	 W13-1	 W12-1	 W8-9a	 W14-2
 W3-1A	 W20-1	 W20-2	 W20-3	 W20-4	 W20-5(R)	 W20-5(L)	 W20-5(2R)	 W20-5(2L)	 W20-5(C)	 W20-7
 W20-7a	 W1-4bR	 W1-4bL	 R1-1	 R1-2	 R2-1	 R2-5a	 R2-5b	 R3-1	 R3-2	 R3-3
 R3-7(R)	 R3-7(L)	 R4-7b	 R4-7b(L)	 R5-1	 R5-1a	 R6-1(R)	 R6-1(L)	 R7-1	 R11-2	 R11-2a
 R11-4	 M4-8a	 M4-9(R)	 M4-9(L)	 M4-10(R)	 M4-10(L)	 G20-2				

	WORK AREA
●	BARRICADE - TYPE I, TYPE II, OR BARREL
⊥	BARRICADE - TYPE III
X	VERTICAL PANEL
⊥	WARNING SIGN
D	DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
	FLAGMAN POSITION
S	SPACING BETWEEN BARRICADES- A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET
L	TAPER LENGTH - SEE CHART BELOW

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

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

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

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

SPEED LIMIT

40 MPH OR LESS

45 MPH OR GREATER $L = W \times S$

L = TAPER LENGTH
 W = WIDTH OF OFFSET IN FEET
 S = POSTED SPEED OR OFF-PEAK
85-PERCENTILE SPEED IN MPH

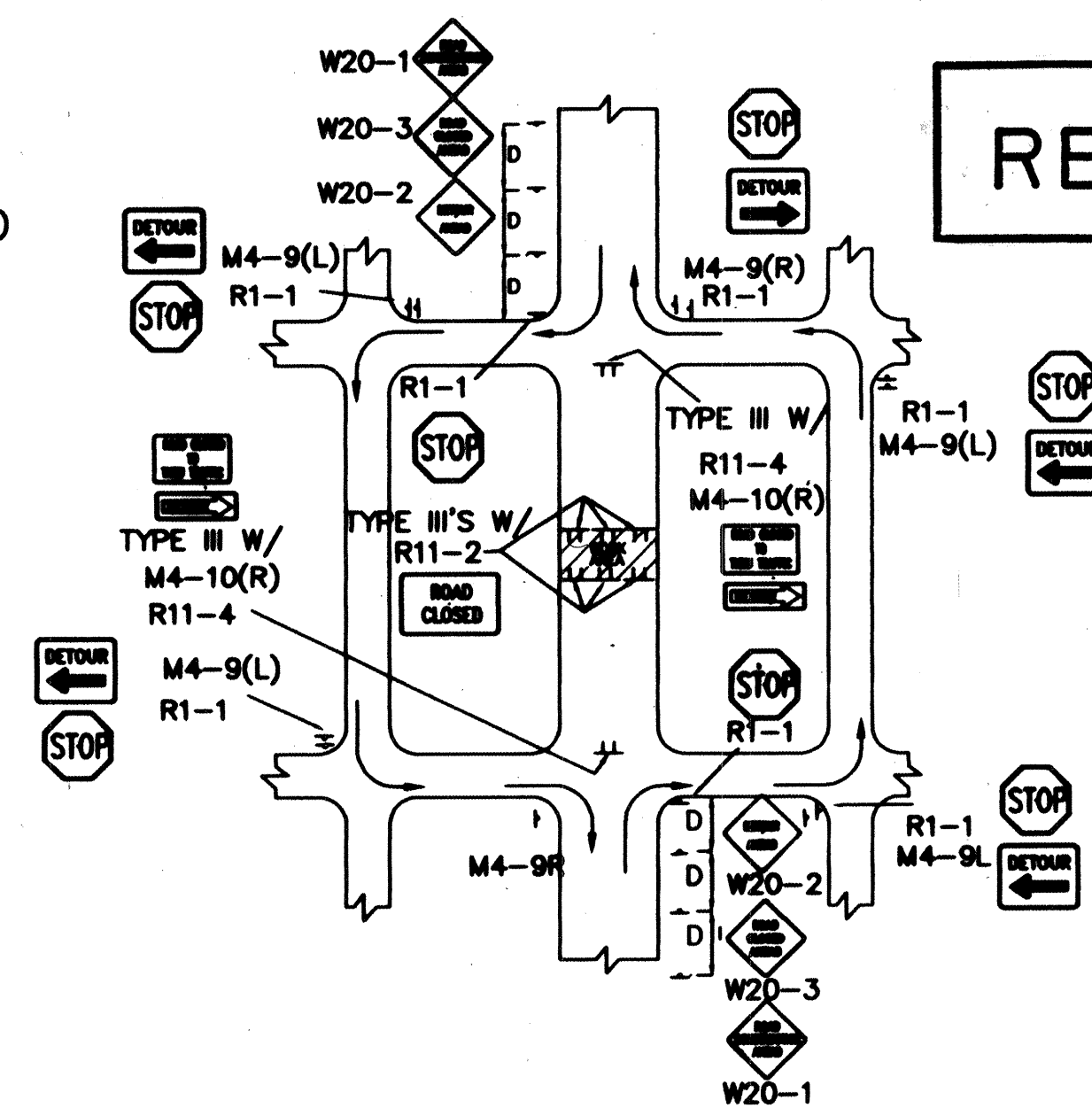
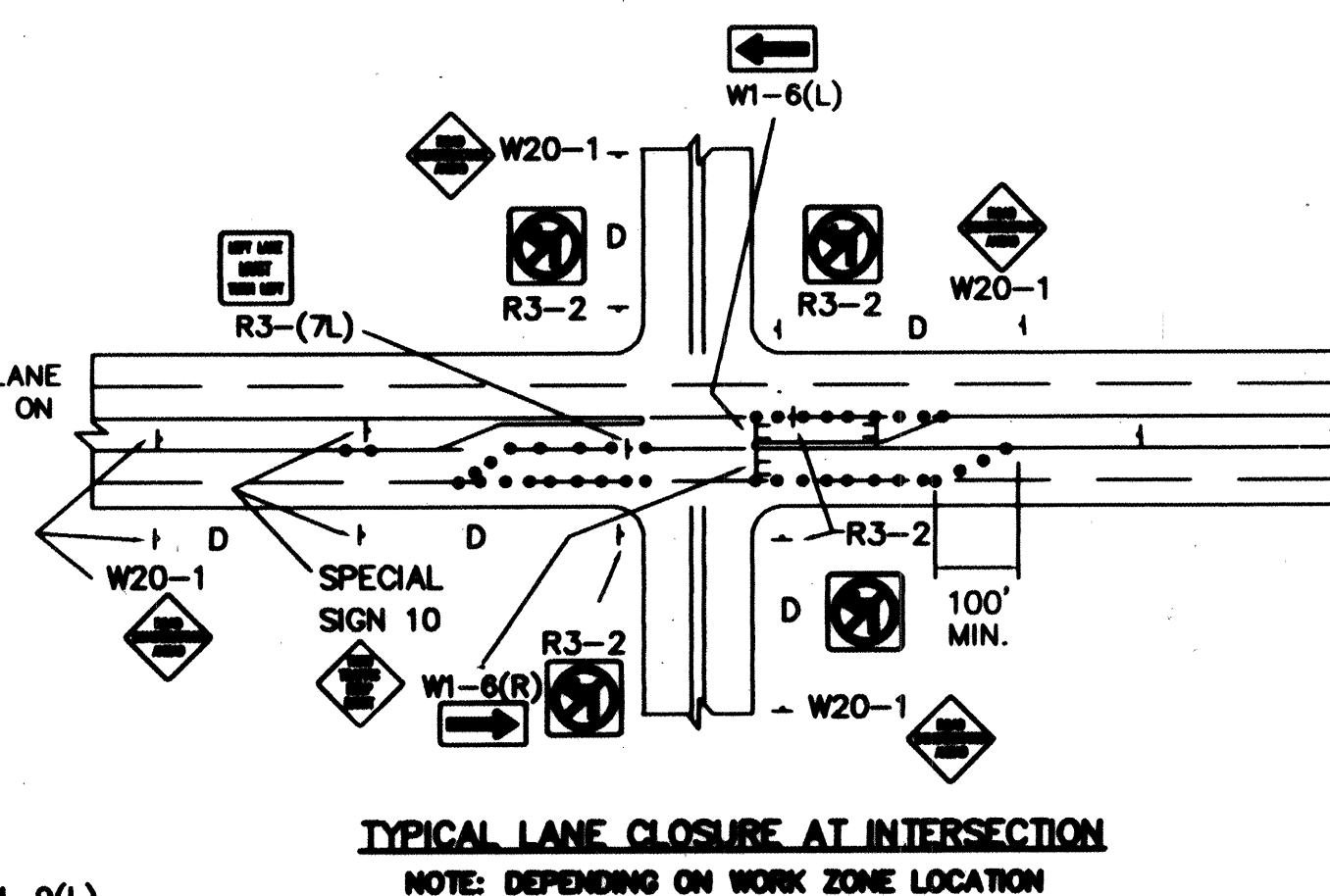
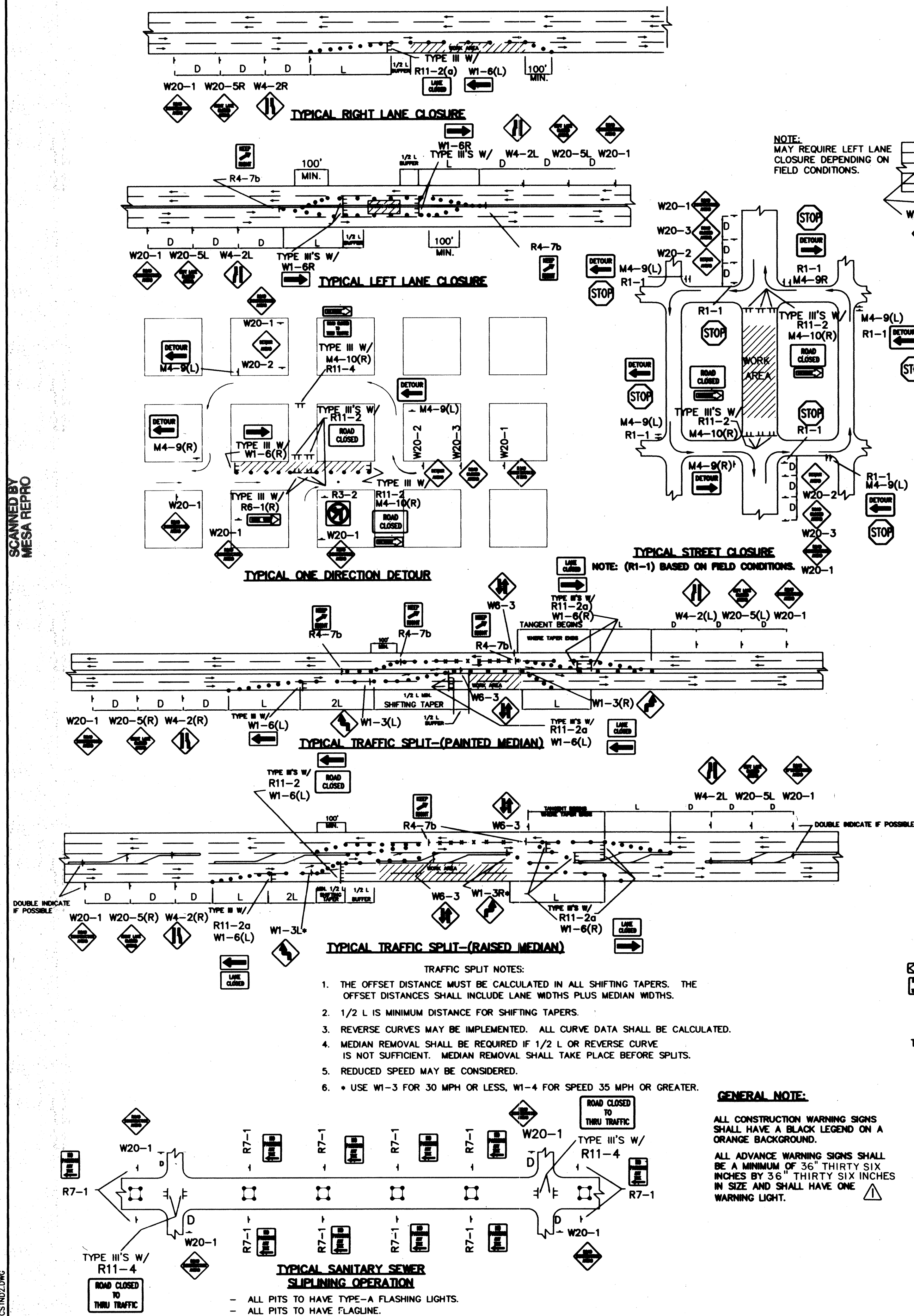
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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP															
TITLE: PASEO DEL NORTE INDUSTRIAL PARK SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS															
DESIGN REVIEW COMMITTEE 	CITY ENGINEER APPROVAL 	LAST UPDATE 	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="padding: 5px;">MO./DAY/yr</th> <th style="padding: 5px;">MO./DAY/yr</th> </tr> </thead> <tbody> <tr><td style="height: 20px;"></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td></tr> </tbody> </table>	MO./DAY/yr	MO./DAY/yr										
MO./DAY/yr	MO./DAY/yr														
PROJECT NO. 605781	MAP NO. D-17	SHEET 14 OF 16													

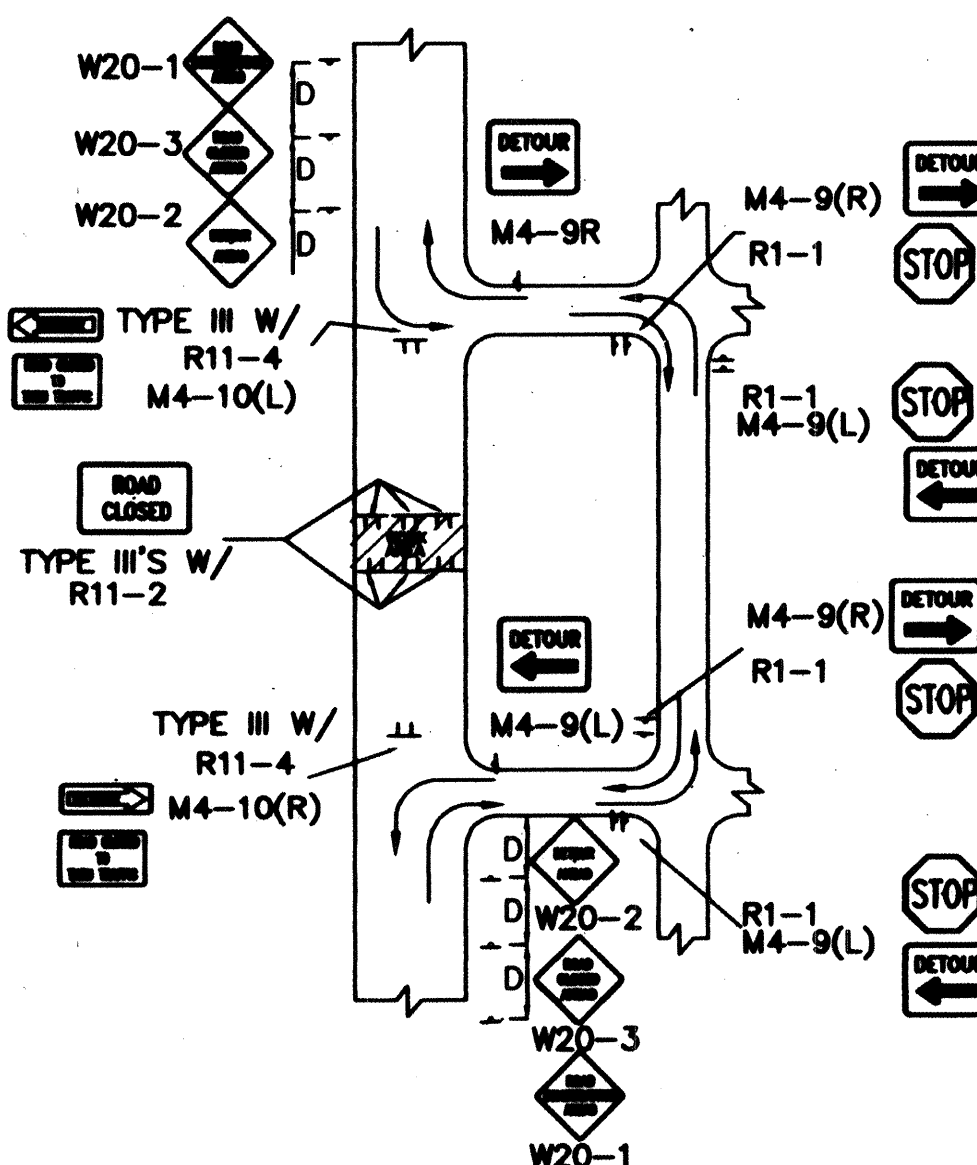
RECORD DRAWING

980388
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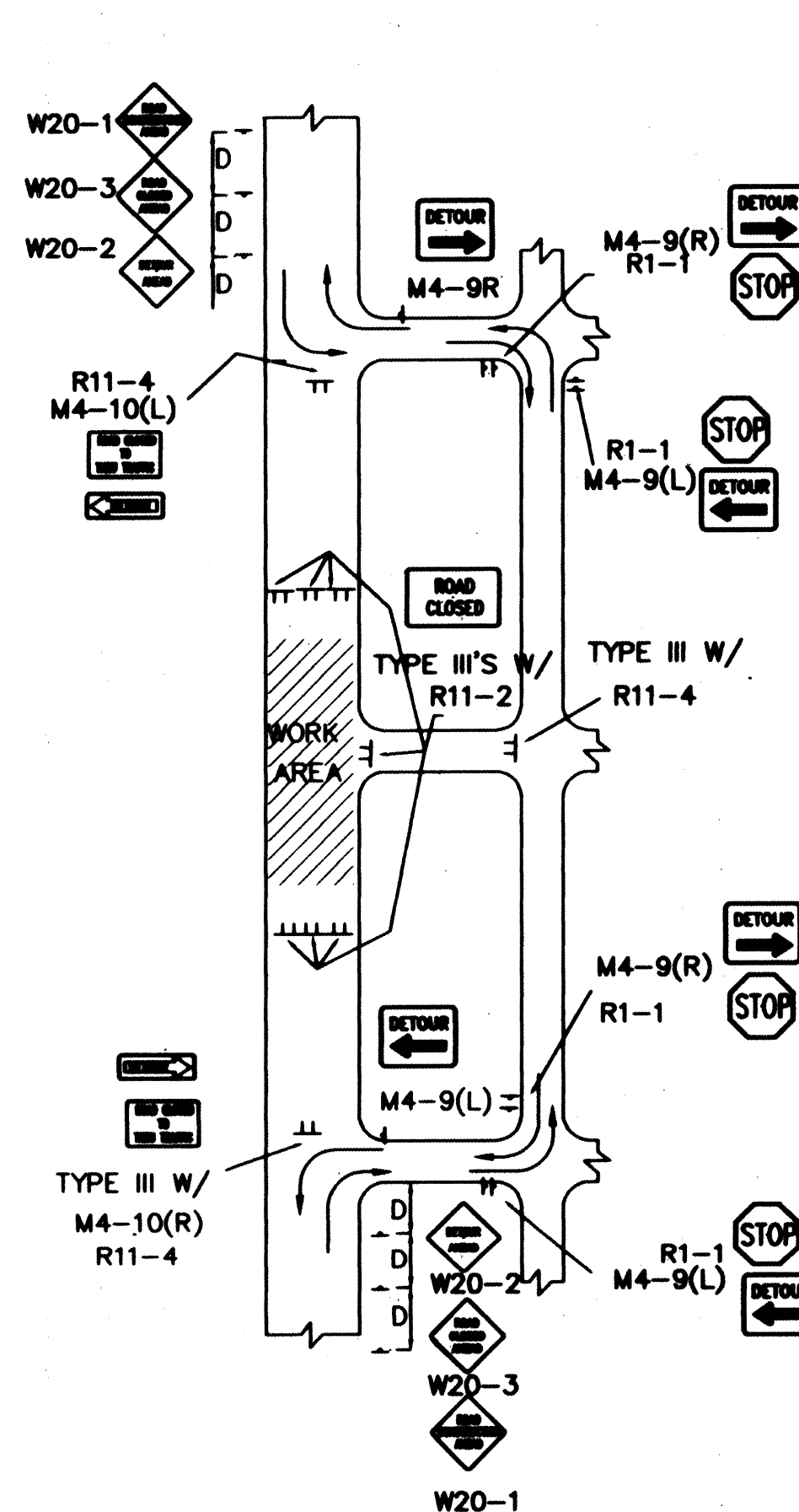
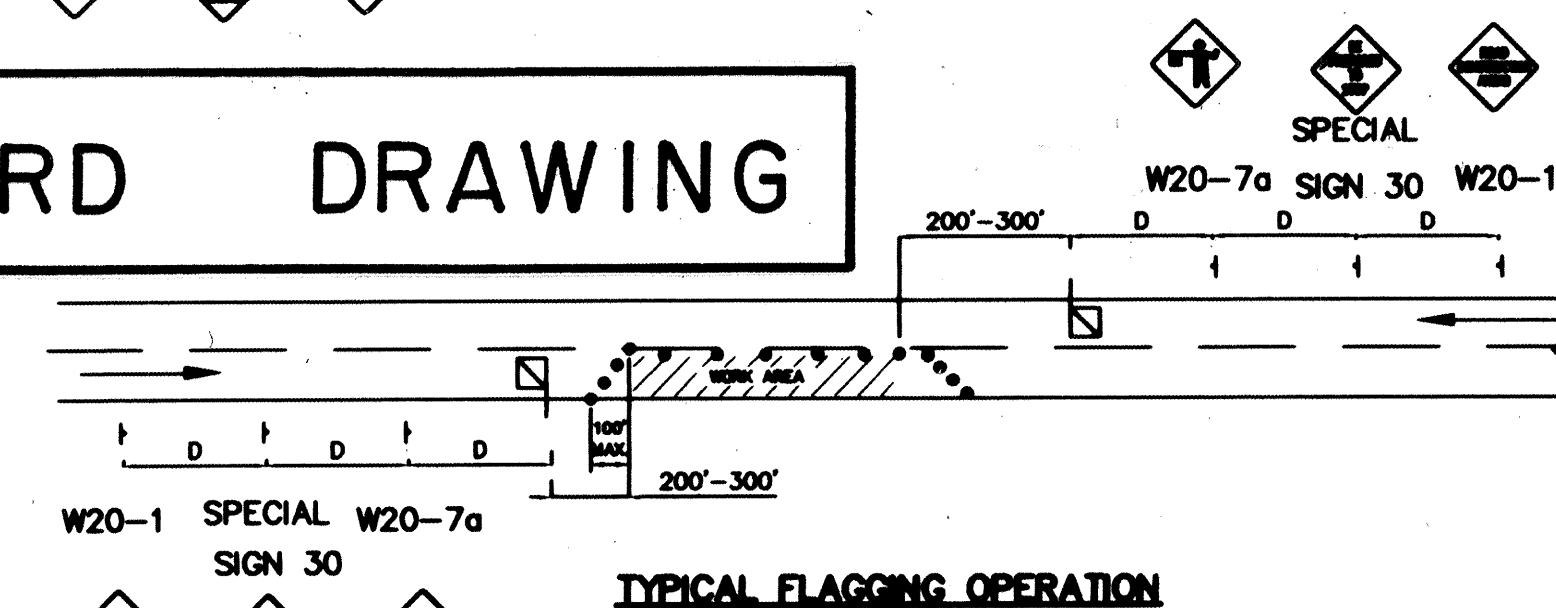
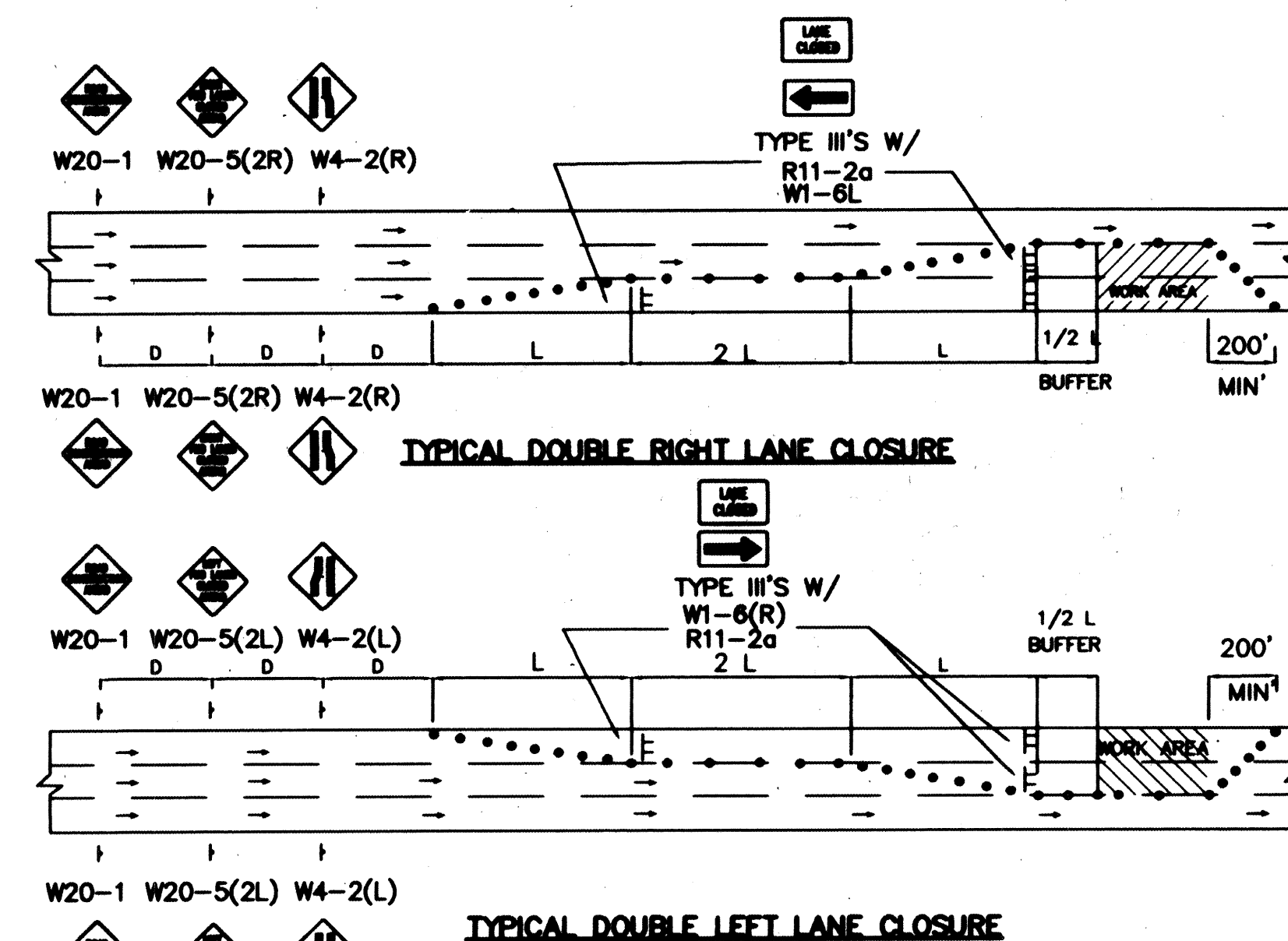
NOTE: THIS SHEET PROVIDED COURTESY OF CITY ENGINEER, PUBLIC WORKS DEPT., CITY OF ALBUQUERQUE



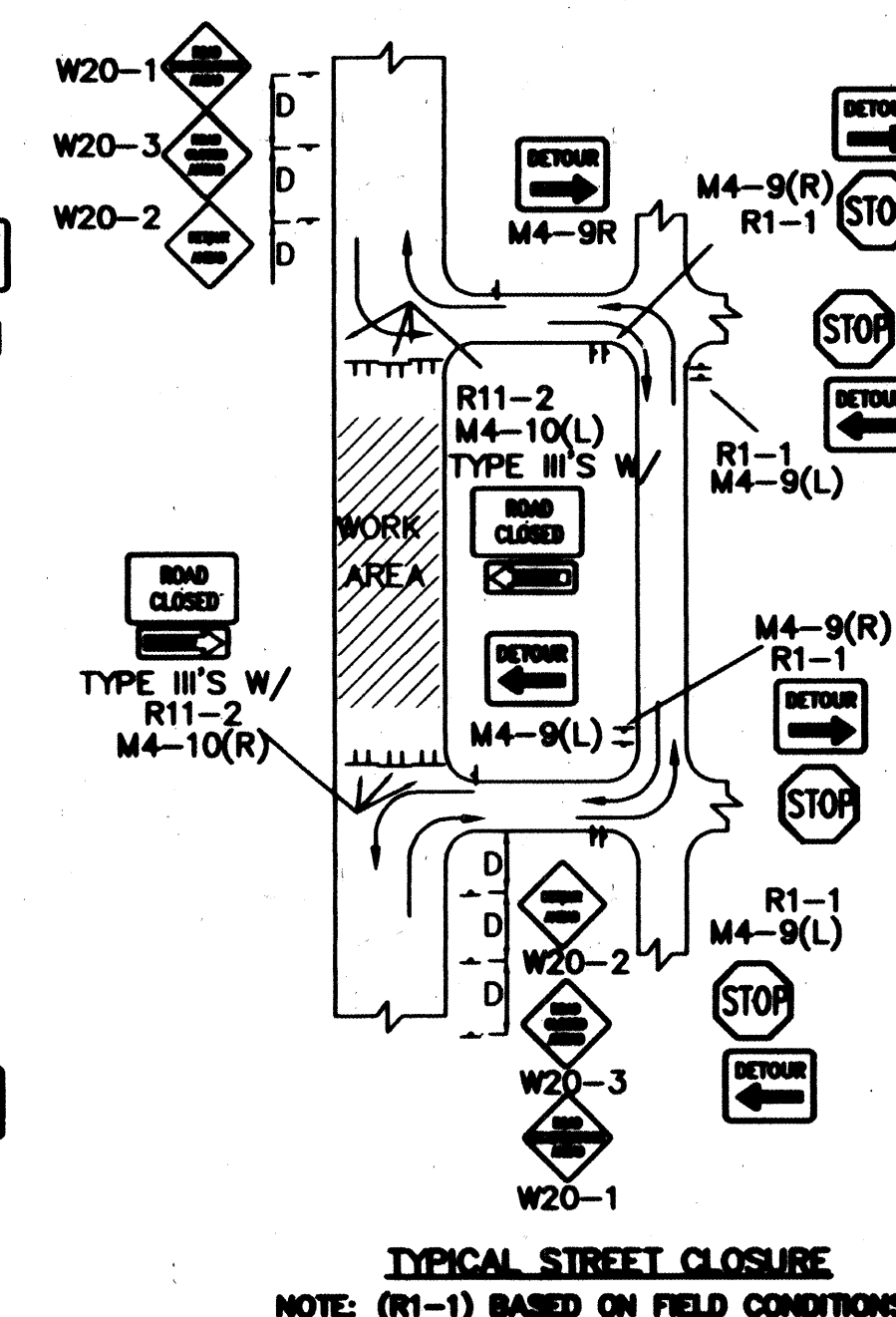
TYPICAL MID-BLOCK CLOSURE
NOTE: (R1-1) BASED ON FIELD CONDITIONS

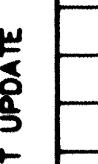


TYPICAL STREET CLOSURE
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



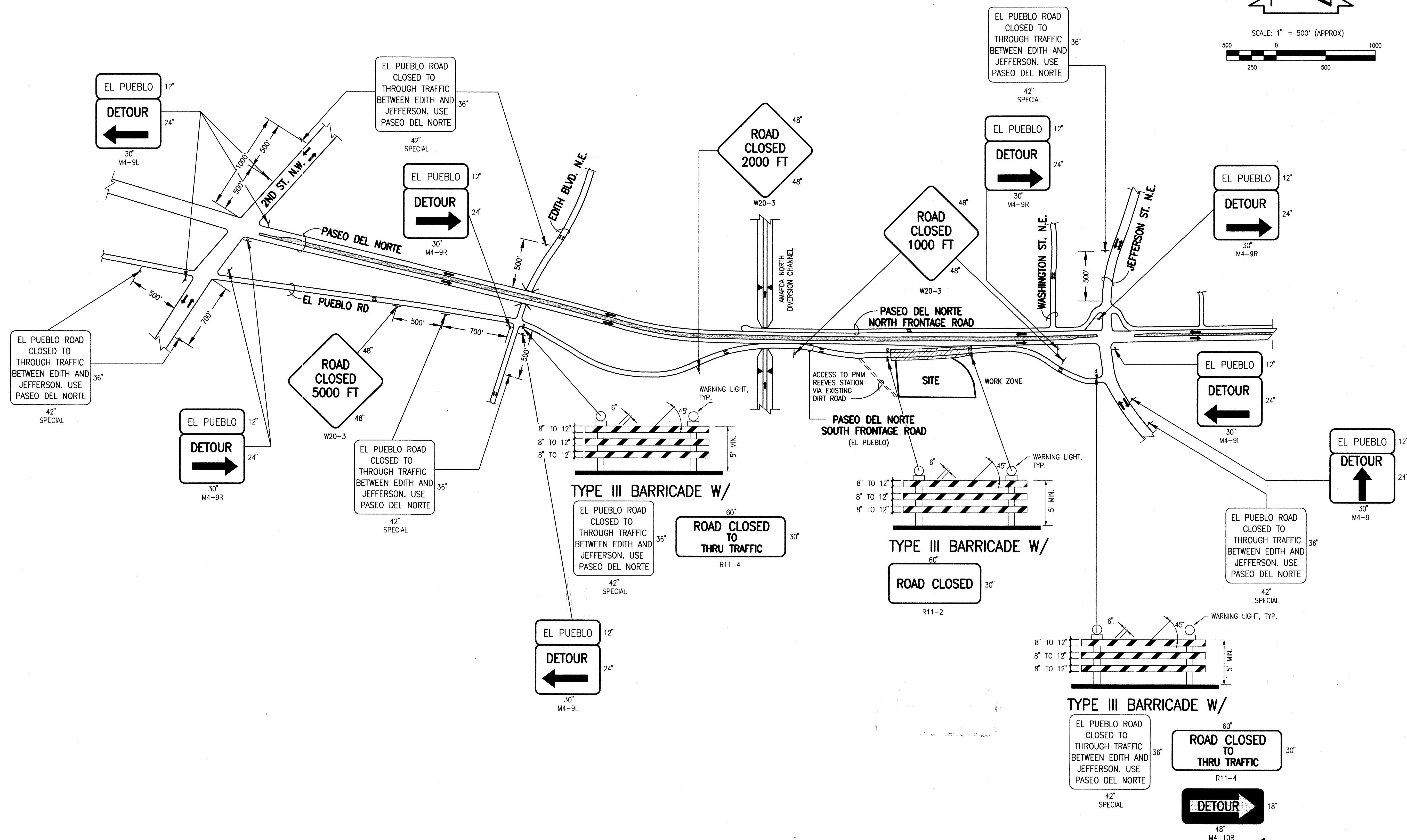
TYPICAL STREET CLOSURE
NOTE: (R1-1) BASED ON FIELD CONDITIONS



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP															
TITLE: PASO DEL NORTE INDUSTRIAL PARK TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)															
DESIGN REVIEW COMMITTEE 	CITY ENGINEER APPROVAL 	LAST UPDATE 	<table border="1"> <tr> <th>MO./DAY/YR</th> <th>MO./DAY/YR</th> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>	MO./DAY/YR	MO./DAY/YR										
MO./DAY/YR	MO./DAY/YR														
PROJECT NO. 60578/	MAP NO. D-17	SHEET 15 OF 16													

					ENGINEER'S SEAL	SURVEY INFORMATION	BENCH MARKS	AS BUILT INFORMATION
						FIELD NOTES		
						NO.	BY DATE	CONTRACTOR DATE
								WORK STARTED BY DATE
				J.D.L.				ACCEPTANCE BY DATE
				REMARKS				REDUCTION BY DATE
				REVISONS				CHECKED BY DATE
				DESIGN				MICRO-FILM INFORMATION
				DESIGNED BY C.O.A. STANDARDS				RECORDED BY DATE
				DRAWN BY				NO. DATE

RECORD DRAWING



TRAFFIC CONTROL NOTES

1. SIGNAGE, CHANNELIZING DEVICES AND TRAFFIC CONTROL IMPLEMENTATION SHALL CONFORM WITH PART VI OF THE M.U.T.C.D., LATEST EDITION.
2. CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.
3. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE STANDARDS AND REQUIREMENTS SET FORTH IN THE M.U.T.C.D. PART VI.
4. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION.
5. CONTRACTOR SHALL BE ALLOWED A MAXIMUM OF SEVEN (7) CALENDAR DAYS FOR ROAD CLOSURE.
6. REFER TO ADDITIONAL TRAFFIC CONTROL NOTES ON SHEET 14.
7. CONTRACTOR SHALL CONTACT PNM REEVES STATION AND ALL AFFECTED BUSINESS OWNERS A MINIMUM OF SEVEN (7) CALENDAR DAYS PRIOR TO ROAD CLOSURE.

INFORMATION SHOWN HEREON IS TAKEN
FROM CITY OF ALBUQUERQUE ZONE
ATLAS AND AERIAL PHOTOGRAPHY
DATED 2-24-94



JEFF MORTENSEN & ASSOCIATES, INC.
☐ 6010-B MIDWAY PARK BLVD. N.E.
☐ ALBUQUERQUE ☐ NEW MEXICO 87109
☐ ENGINEERS ☐ SURVEYORS (505) 345-4250

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE:	PASEO DEL NORTE INDUSTRIAL PARK PASEO DEL NORTE SOUTH FRONTAGE ROAD (EL PUEBLO ROAD) TRAFFIC CONTROL PLAN

Design Review Committee APPROVED MAR - 1 1999 DESIGN REVIEW COMMITTEE	City Engineer Approval	Mo./Day/Yr.	
		Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	605781	Zone Map No.	D-17	Sheet	16	Of	16
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File Path:	E:\DATA\ACAD\14\980386\	Plot Date:	02-09-1999
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