

CITY OF ALBUQUERQUE
NEW MEXICO



DIP SECTION
CROSSING REPLACEMENT
MOJAVE STREET AT MARIPOSA ARROYO

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1)	COVER SHEET
2)	TYPICAL CHANNEL SECTIONS & DETAILS
3)	TYPICAL ROADWAY SECTION & MISC. DETAILS
4)	MARIPOSA CHANNEL PLAN & PROFILE
5)	MOJAVE STREET PLAN & PROFILE
6)	MOJAVE STREET UTILITY RELOCATIONS
7)	STORM DRAIN PLAN & PROFILE
8)	BRIDGE GENERAL NOTES & ESTIMATED QUANTITIES
9)	BRIDGE PLAN & PROFILE
10)	TYPICAL BRIDGE SECTIONS
11)	SUPERSTRUCTURE BEAM DETAILS
12)	ABUTMENT & WINGWALL DETAILS
13)	CHANNEL CROSS SECTIONS
14)	ROADWAY CROSS SECTIONS

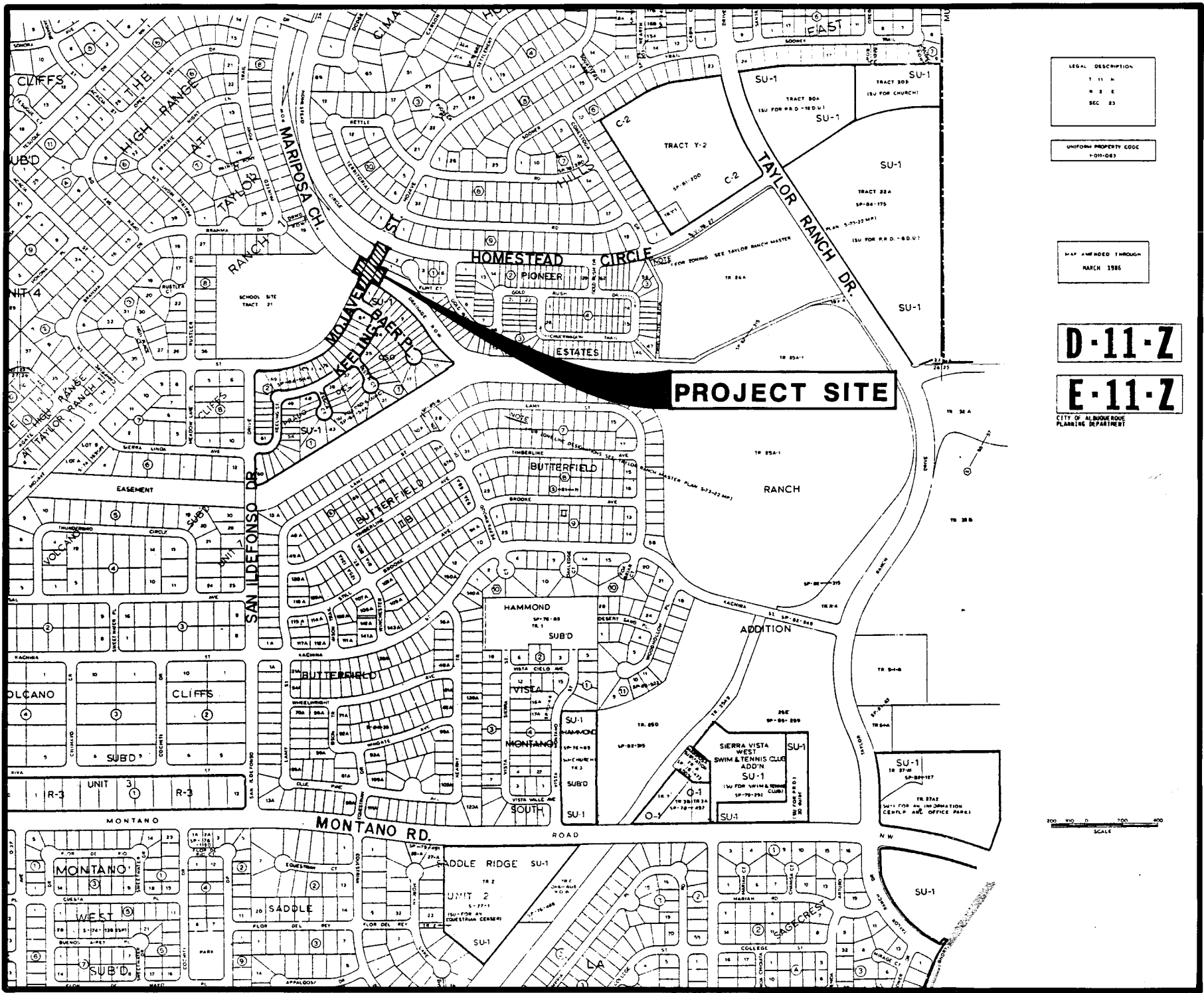
I HEREBY CERTIFY THAT THIS PROJECT WAS CONSTRUCTED IN GENERAL CONFORMANCE WITH THE PLANS AND SPECIFICATIONS SHOWN HEREON AND THAT THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION PROVIDED BY THE CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT.

James V. Domenick
JAMES V. DOMENICK P.E. No. 7643 10/18/90
DATE

GENERAL NOTES CONT.

- IF CURB IS DEPRESSED FOR A DRIVE PAD OR A HANDICAP RAMP, THE DRIVE PAD OR RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF THE CURB AND GUTTER.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.
- THE CONTRACTOR WILL BE REQUIRED TO CONFINE HIS WORK WITHIN THE CONSTRUCTION LIMITS AND/OR PUBLIC RIGHT-OF-WAY TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES.
- A DISPOSAL SITE FOR ALL EXCESS EXCAVATED MATERIAL, ASPHALTIC PAVING, CONCRETE CURBS AND SIDEWALKS, ETC., SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE PROJECT ENGINEER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
James V. Domenick
DATE 11/15/90



LOCATION MAP
ZONE ATLAS MAP D-11-Z

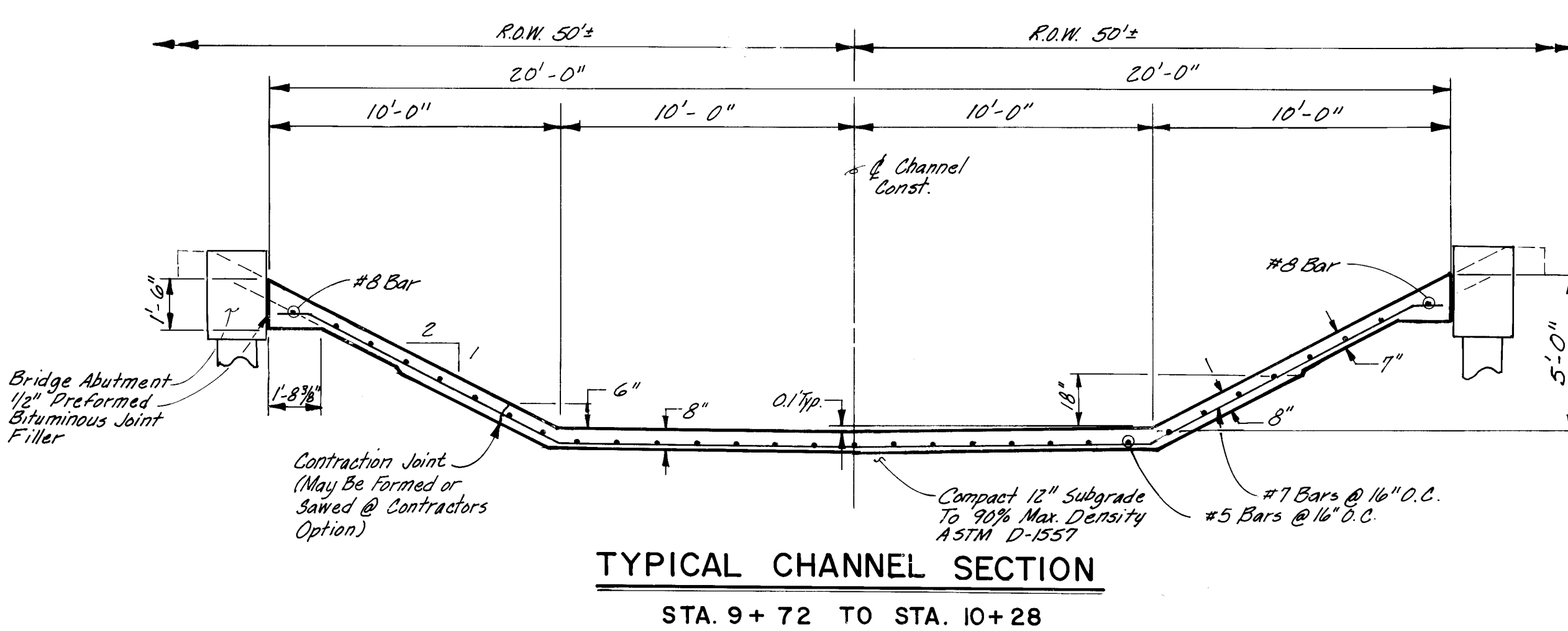
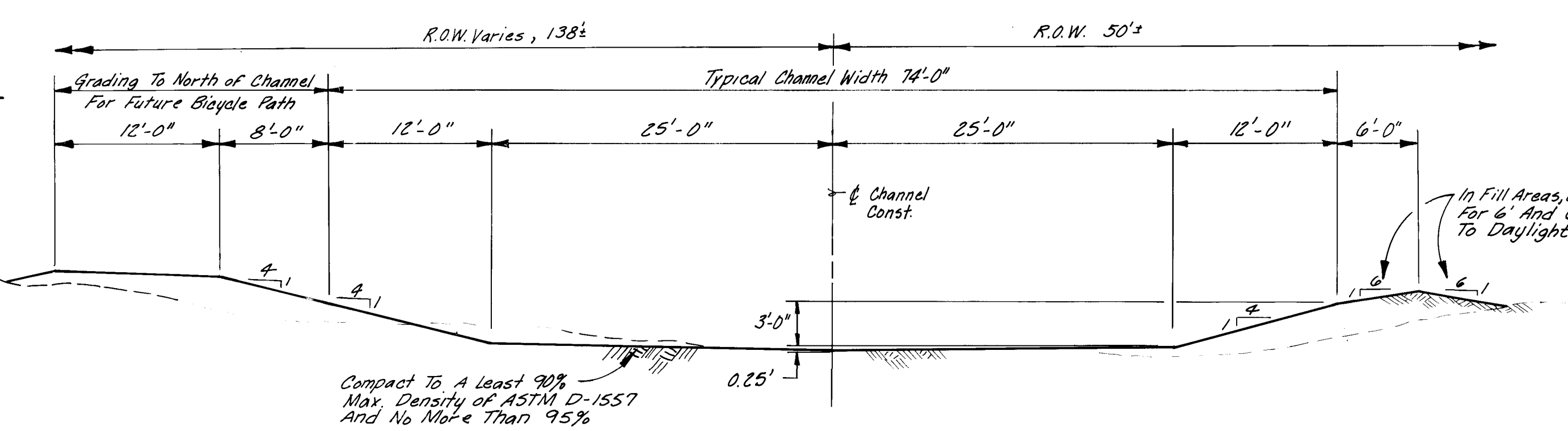
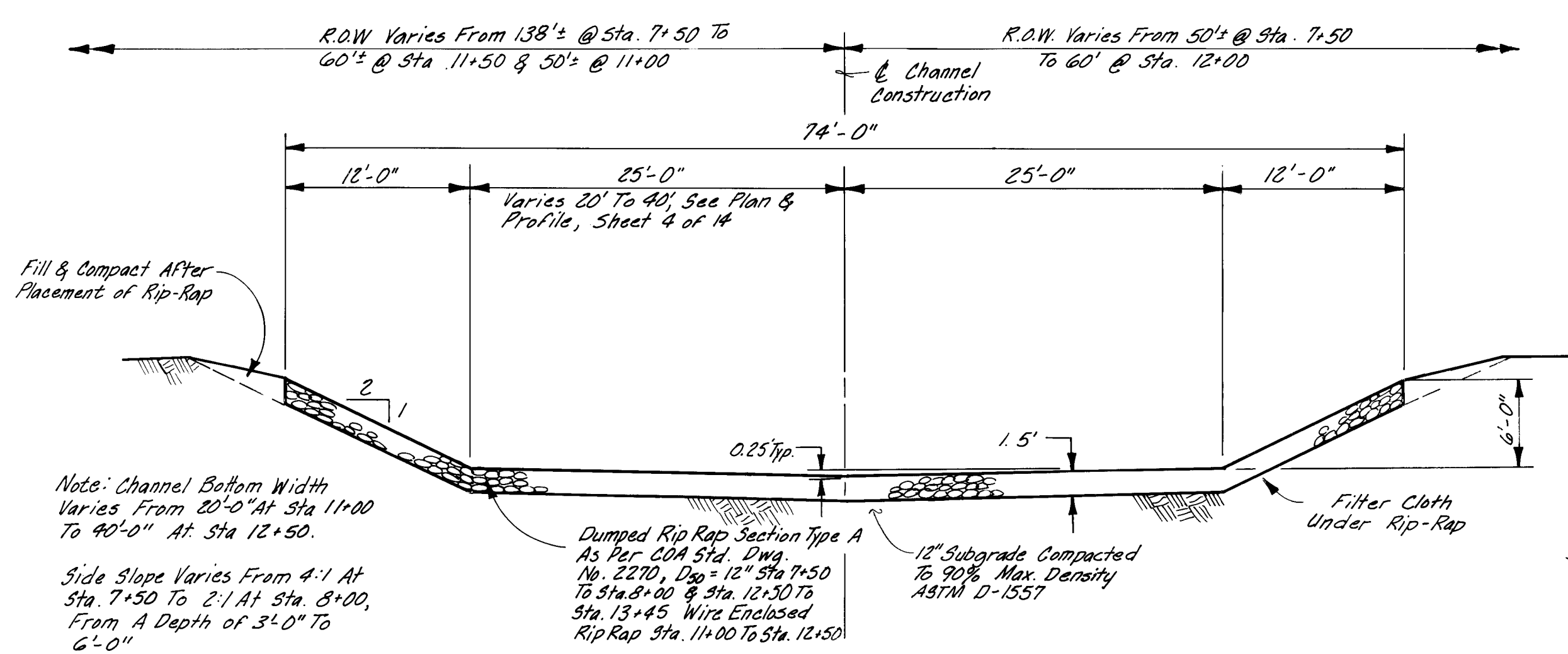
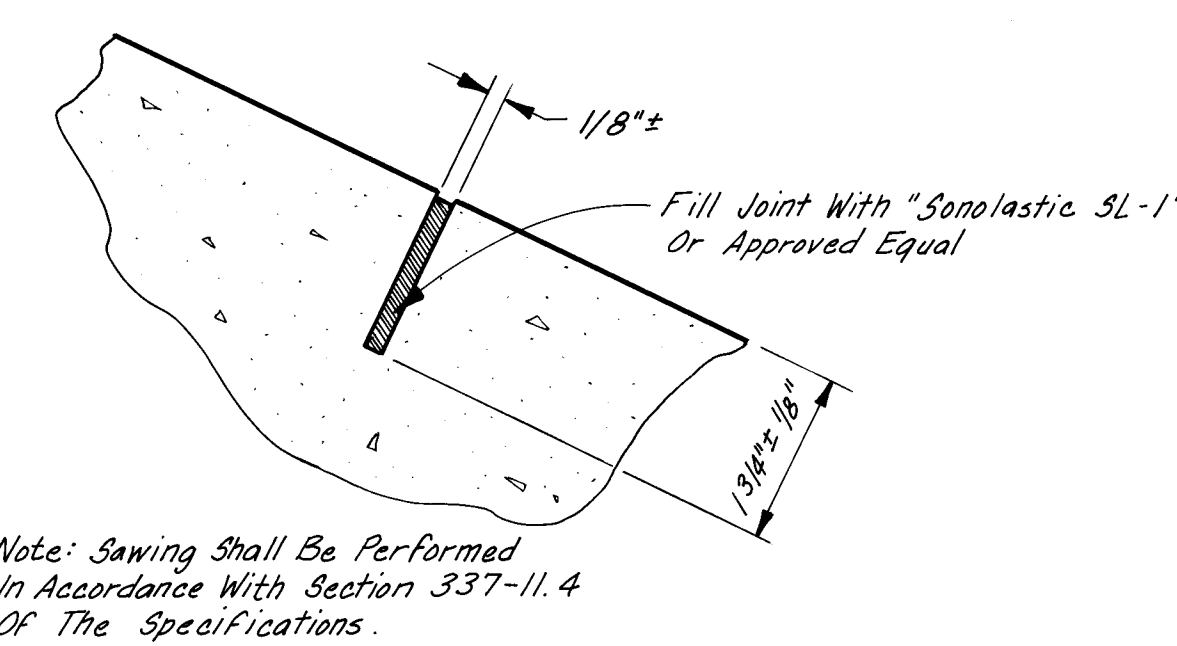
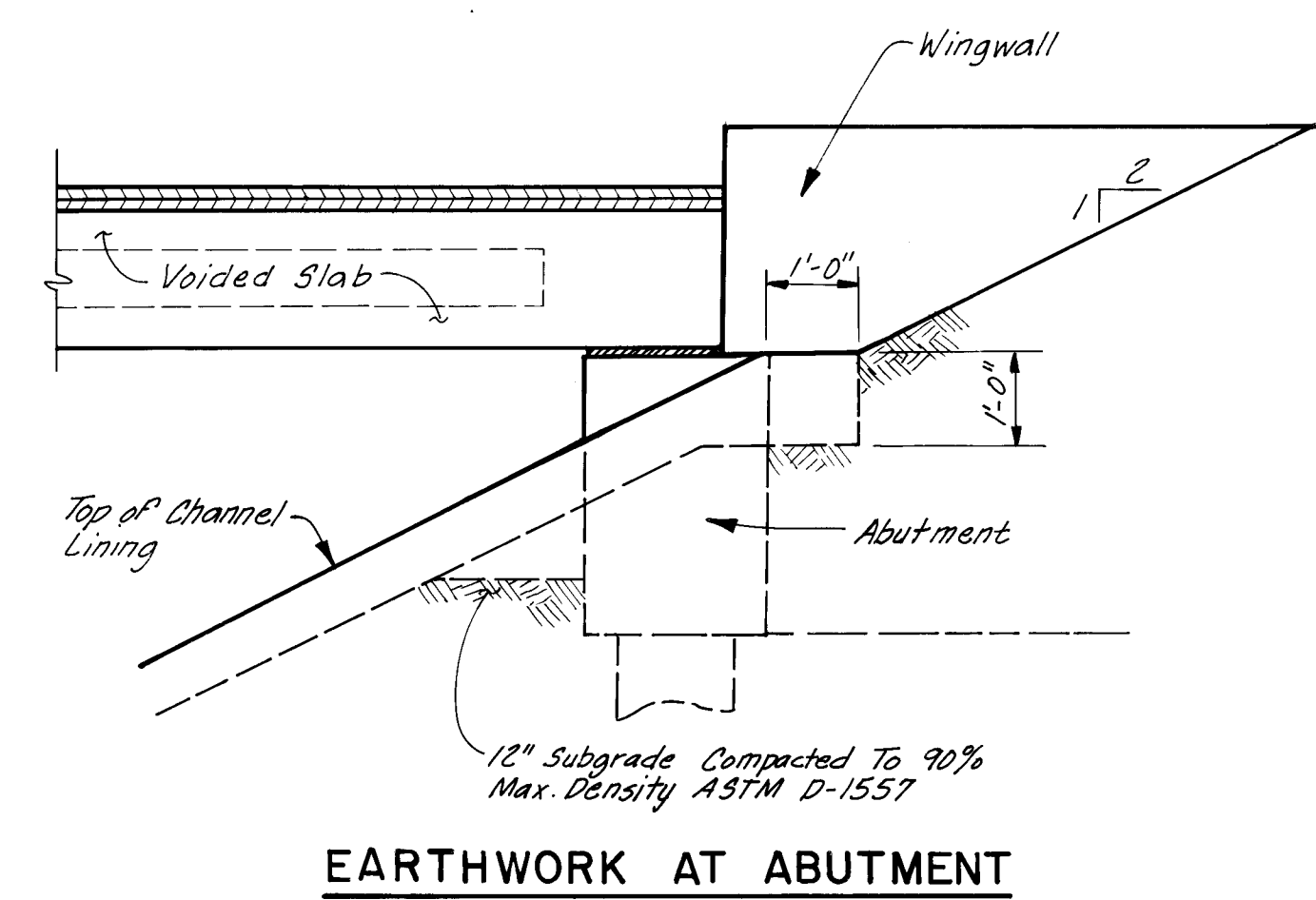
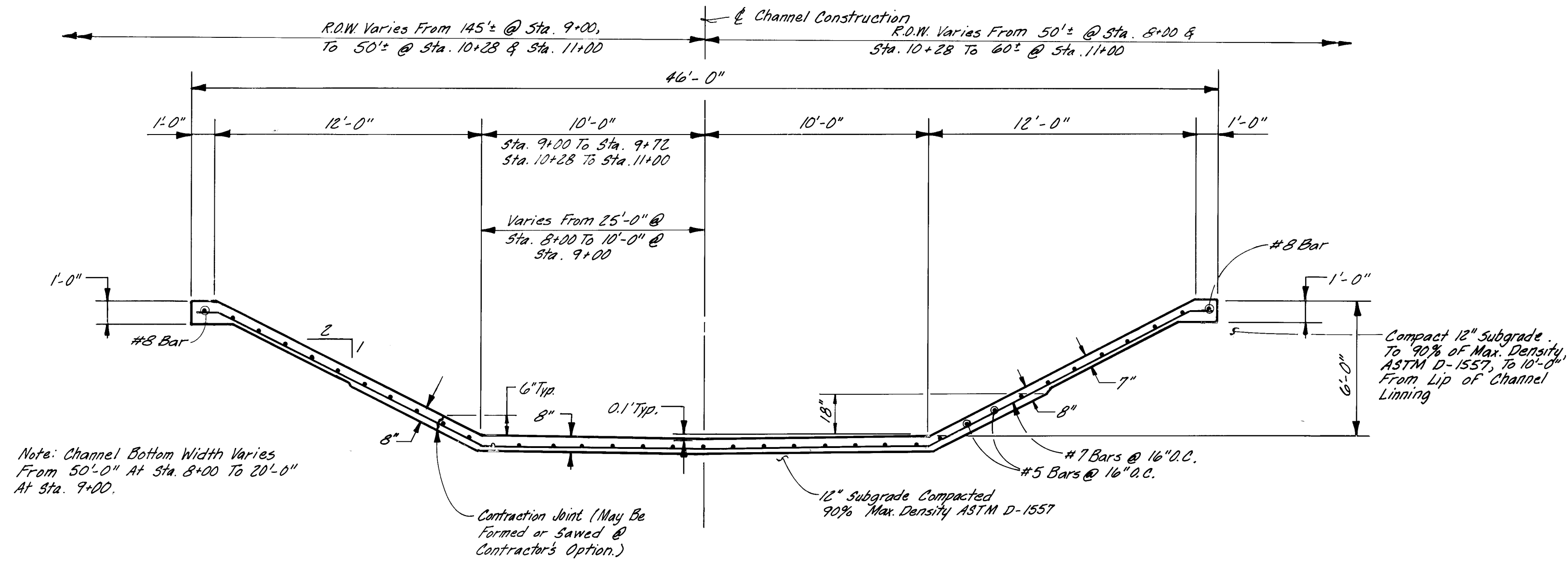
GENERAL NOTES

- ALL WORK DETAILED ON THESE PLANS, EXCEPT BRIDGE WORK, TO BE PERFORMED UNDER CONTRACT, UNLESS STATED OTHERWISE OR PROVIDED FOR HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS, PUBLIC WORKS CONSTRUCTION, 1986 (REFERRED TO HEREIN AS "STANDARD SPECIFICATIONS"). SEE SHEET 8 OF 14, GENERAL NOTES, FOR BRIDGE SPECIFICATIONS.
- THE CONTRACTOR MUST SUBMIT A CONSTRUCTION SIGNING AND BARRICADING PLAN TO CONSTRUCTION COORDINATOR A MINIMUM OF THREE (3) WORKING DAYS PRIOR TO CONSTRUCTION TO RECEIVE A BARRICADING PERMIT, 768-2551.
- CONTRACTOR SHALL COORDINATE WITH THE WATER SYSTEMS DIVISION THREE (3) WORKING DAYS PRIOR TO INITIATING ANY WORK AFFECTING EXISTING PUBLIC WATER UTILITIES.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE-CALL SYSTEM, (505)260-1980, FOR LOCATION OF EXISTING UTILITIES. THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. IT IS CONTRACTOR'S RESPONSIBILITY TO CONTACT THE LINE LOCATING SERVICE FOR EXACT LINE LOCATION.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM DELAY.
- ALL GAS, ELECTRIC, TELEPHONE LINES, CABLE, AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE RELOCATED BY THE RESPONSIBLE UTILITY COMPANY. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND MAINTAIN IN SERVICE ALL EXISTING UTILITIES.
- BACKFILL COMPACTION IN STREET AREAS SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ALL TRENCH BACKFILL OUTSIDE OF STREET AREAS SHALL BE COMPACTED TO A MINIMUM OF 90% MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557.
- WHEN ABUTTING NEW PAVEMENT TO EXISTING, SAWCUT EXISTING PAVEMENT TO A STRAIGHT EDGE AND AT A RIGHT ANGLE, OR AS APPROVED BY THE PROJECT ENGINEER, TO REMOVE ANY BROKEN OR CRACKED PAVEMENT.
- TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE PROJECT ENGINEER.
- SIDEWALKS AND WHEELCHAIR RAMPS SHALL BE CONSTRUCTED WITHIN THE CURB RETURNS WHEREVER A NEW CURB RETURN IS CONSTRUCTED FOR ALL DRIVES INTERSECTING PUBLIC RIGHT-OF-WAY.

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

PLANS PREPARED UNDER DIRECTION OF: <i>James V. Domenick</i> 5/29/90 DATE: _____	AVID ENGINEERING, INC. Civil • Structural • Transportation 6100 Seagull Street NE • Suite 102 Albuquerque, NM 87109 • (505) 881-5357	APPROVED FOR CONSTRUCTION <i>Russell B. Linder</i> CITY ENGINEER 6470
PROJECT NO. 3841		SHEET 1 OF 14

0 of A PWD Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
26 38 41 01 90



I HEREBY CERTIFY THAT THIS PROJECT WAS CONSTRUCTED IN GENERAL CONFORMANCE WITH THE PLANS AND SPECIFICATIONS SHOWN HEREON AND THAT THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION PROVIDED BY THE CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT.

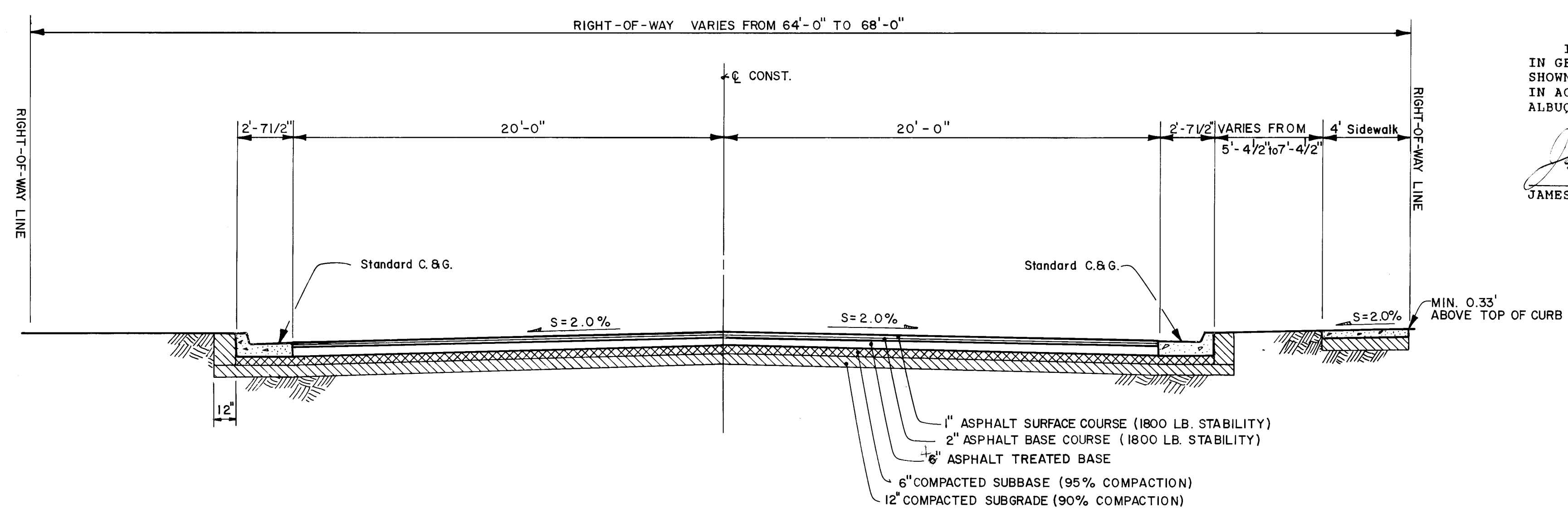
James V. Domenick P.E. No. 7643

10/12/90

AVID ENGINEERING, INC.
Civil • Structural • Transportation
6100 Seagull Street NE • Suite 102
Albuquerque, NM 87109 • (505) 881-5357

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: MOJAVE STREET AT MARIPOSA ARROYO TYPICAL CHANNEL SECTIONS & DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R. Chair	James V. Domenick	6-1-90	Water	N/A RWK	5-31-90
Transportation	James V. Domenick	5-31-90	Waste Water	N/A RWK	6-31-90
Hydrology	James V. Domenick	5-31-90			
Parke & Pac	James V. Domenick	5-31-90			
DRAWING NO.	3841	MAP NO.	D-11	SHEET	2 OF 14

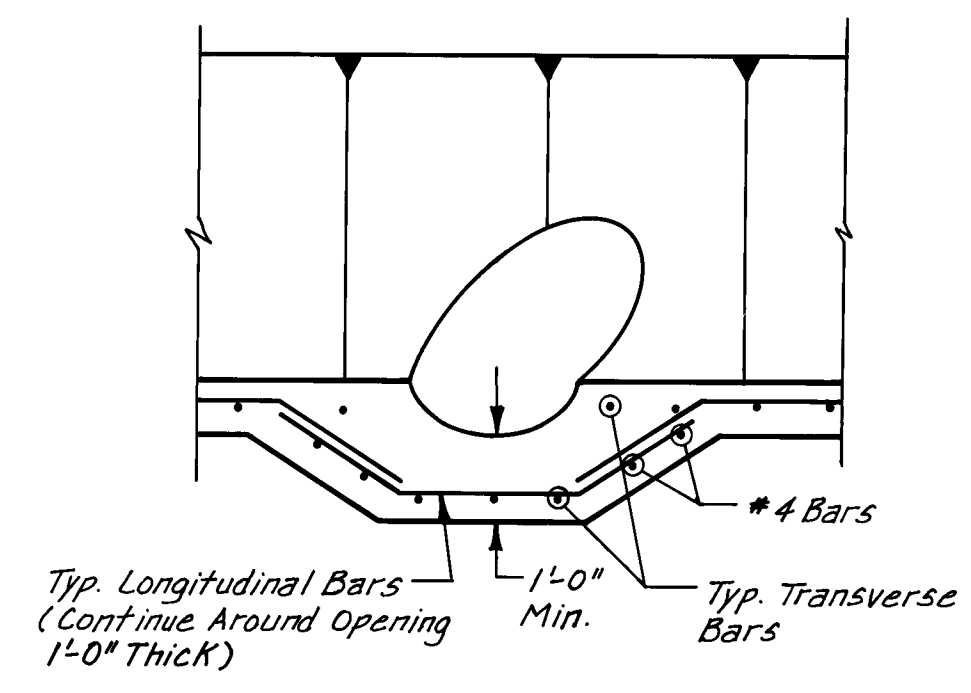
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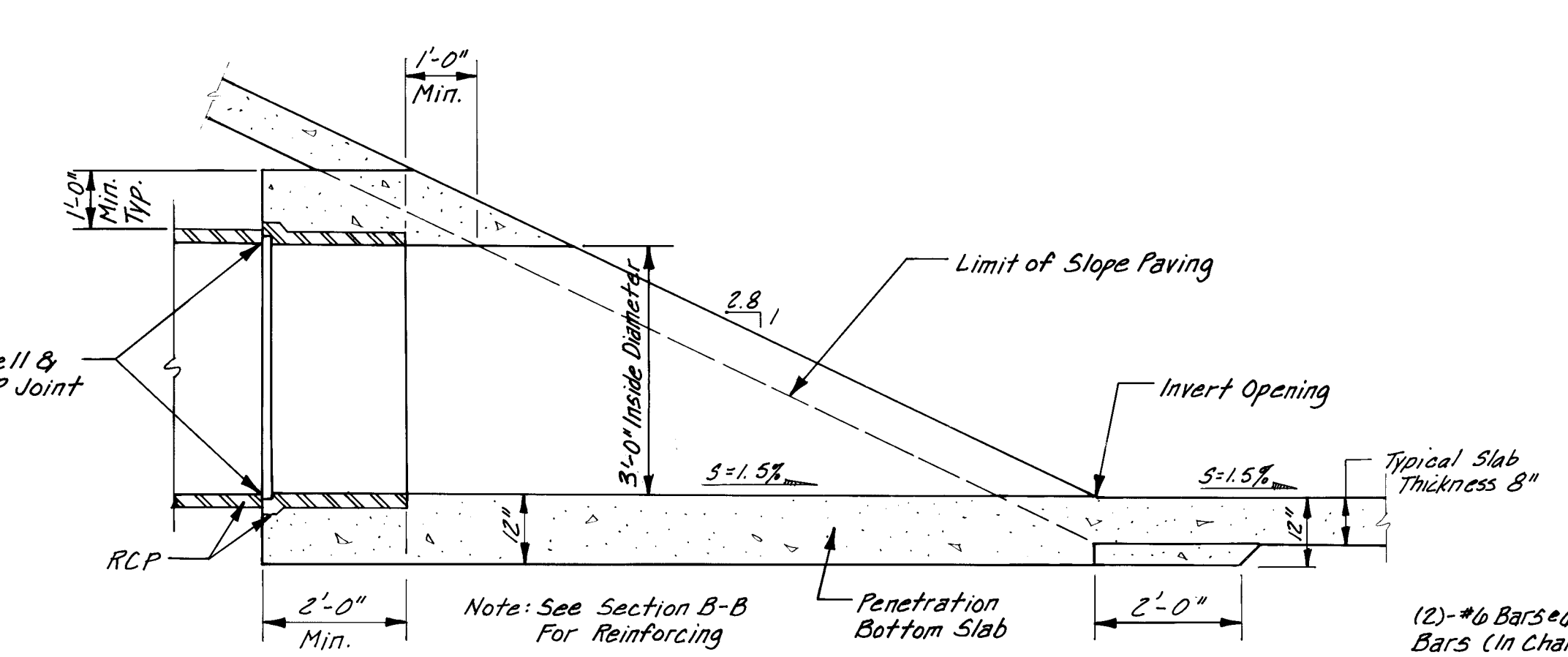
TYPICAL ROADWAY SECTION

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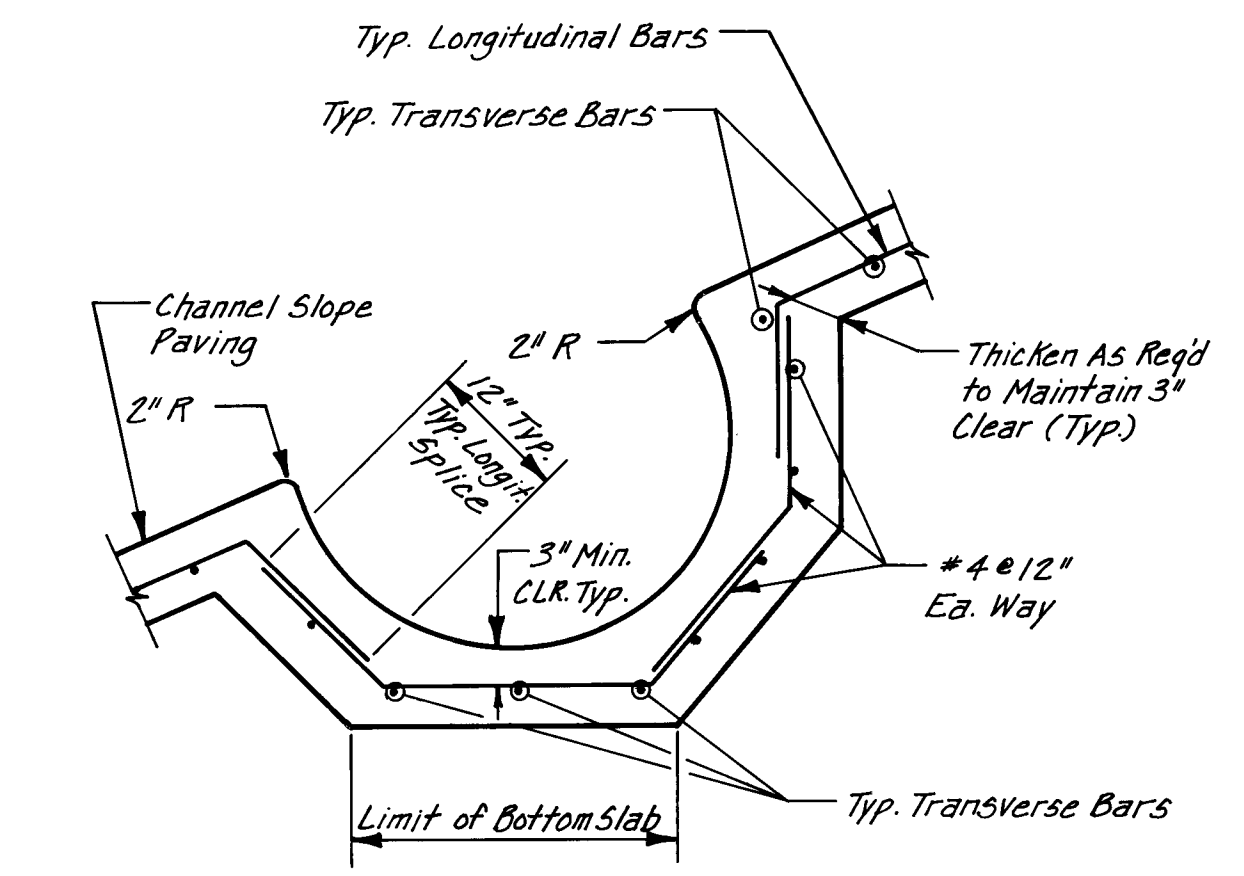
James V. Domenick 10/13/90
 JAMES V. DOMENICK P.E. No. 7643 DATE



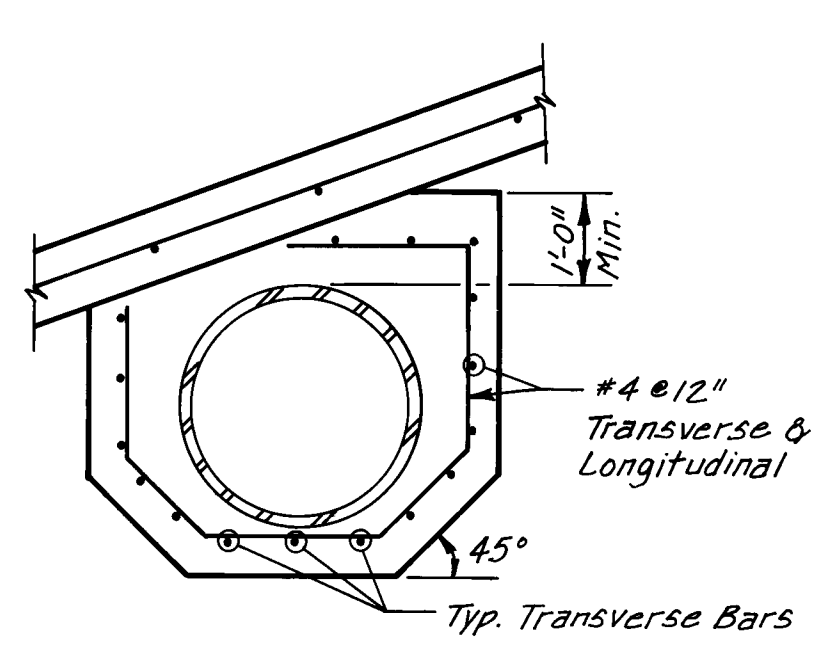
SECTION C-C
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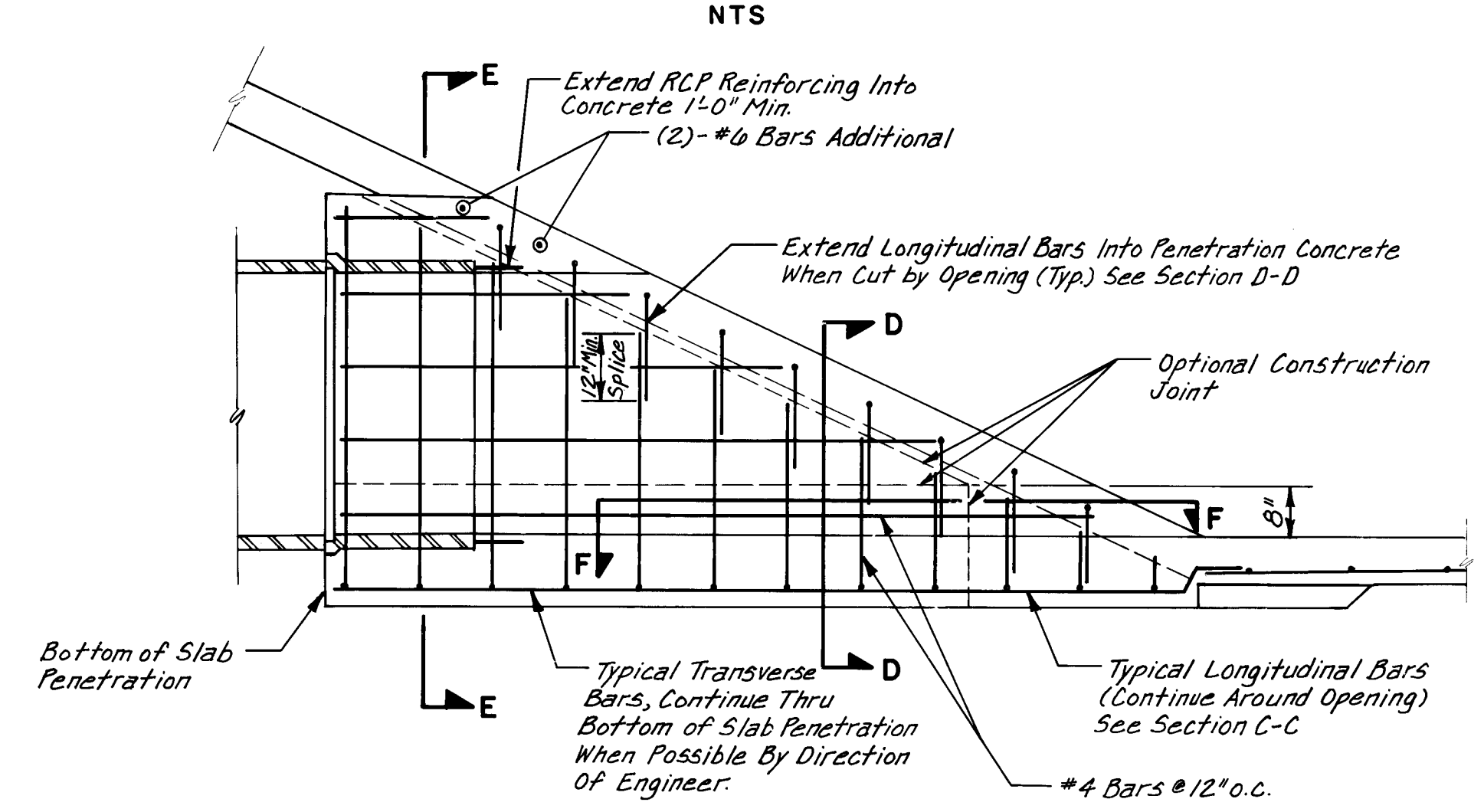
SECTION A-A
NTS



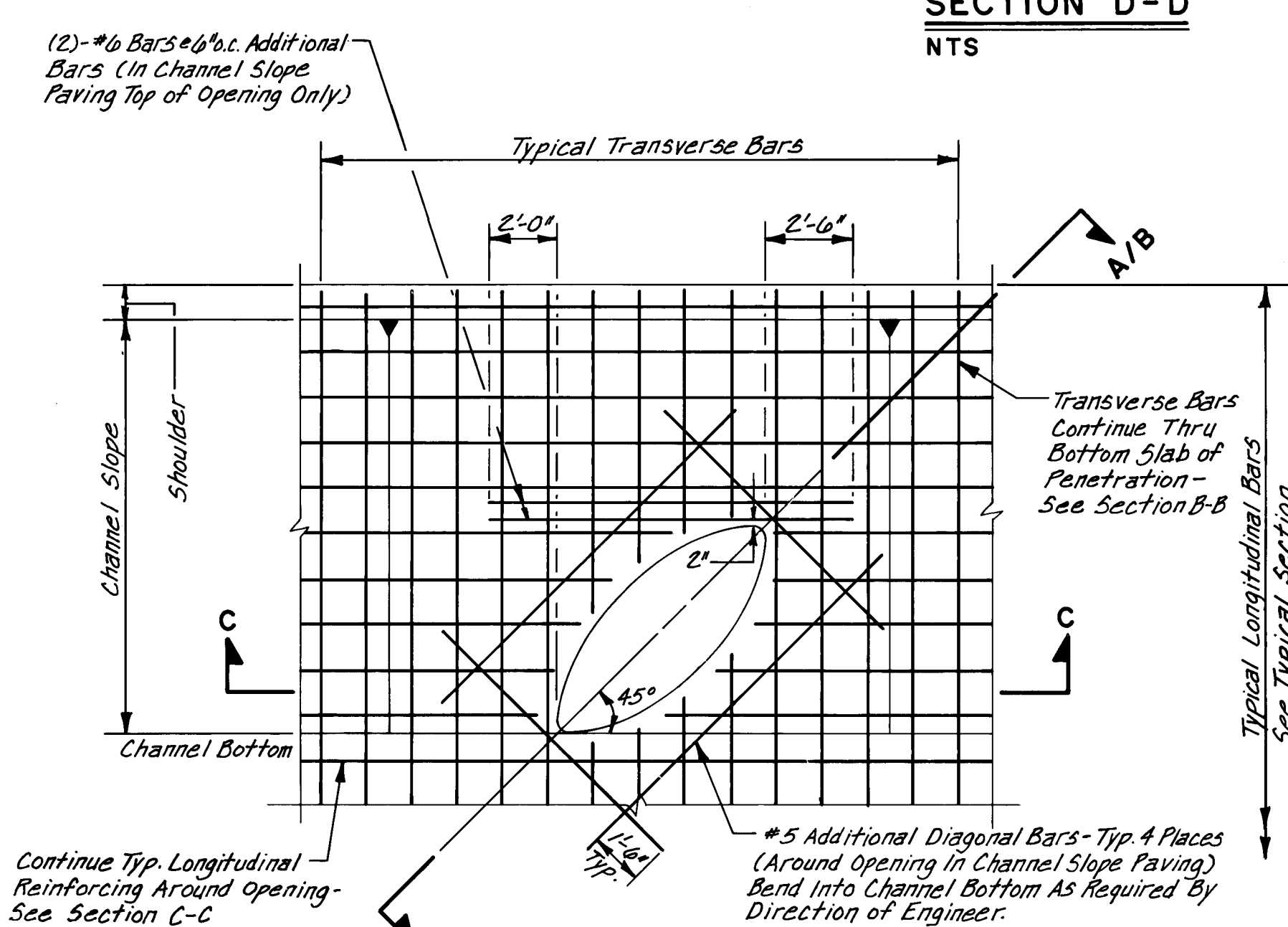
SECTION D-D
NTS



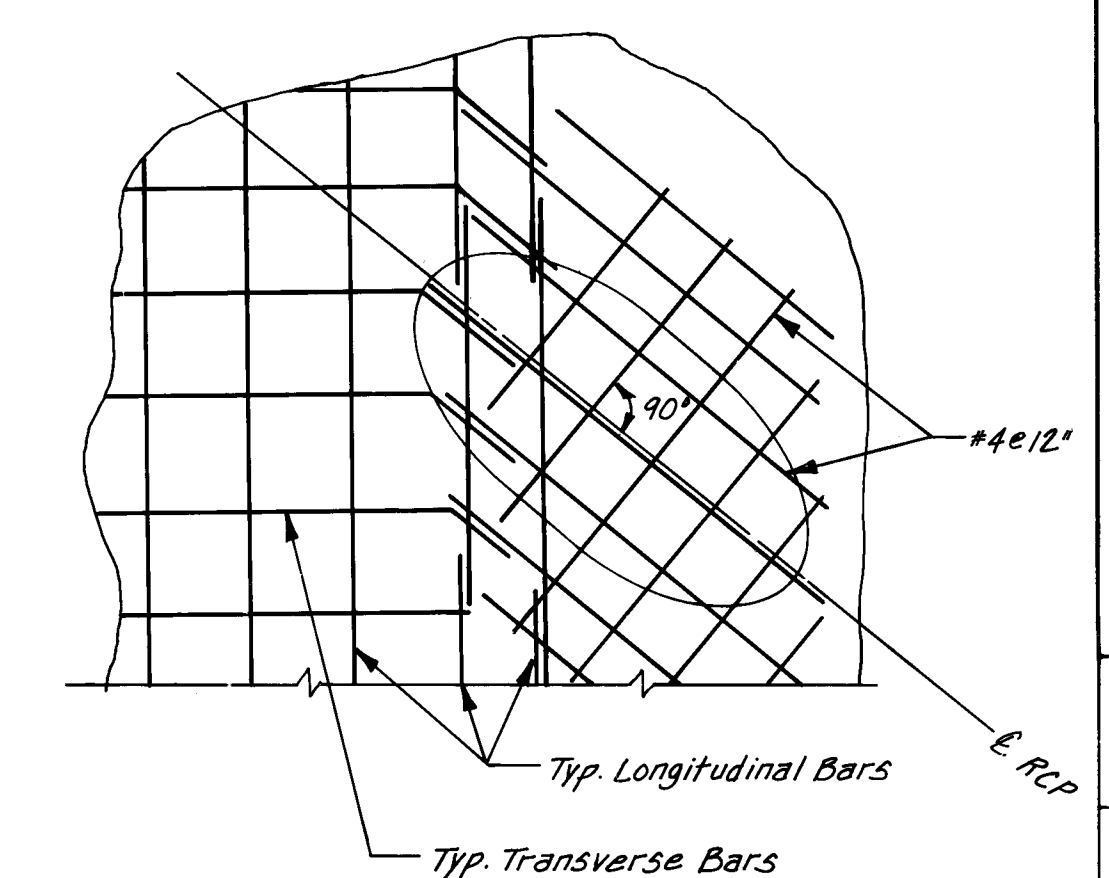
SECTION E-E
NTS



SECTION B-B
NTS



PLAN VIEW
TYPICAL PIPE PENETRATION
NTS



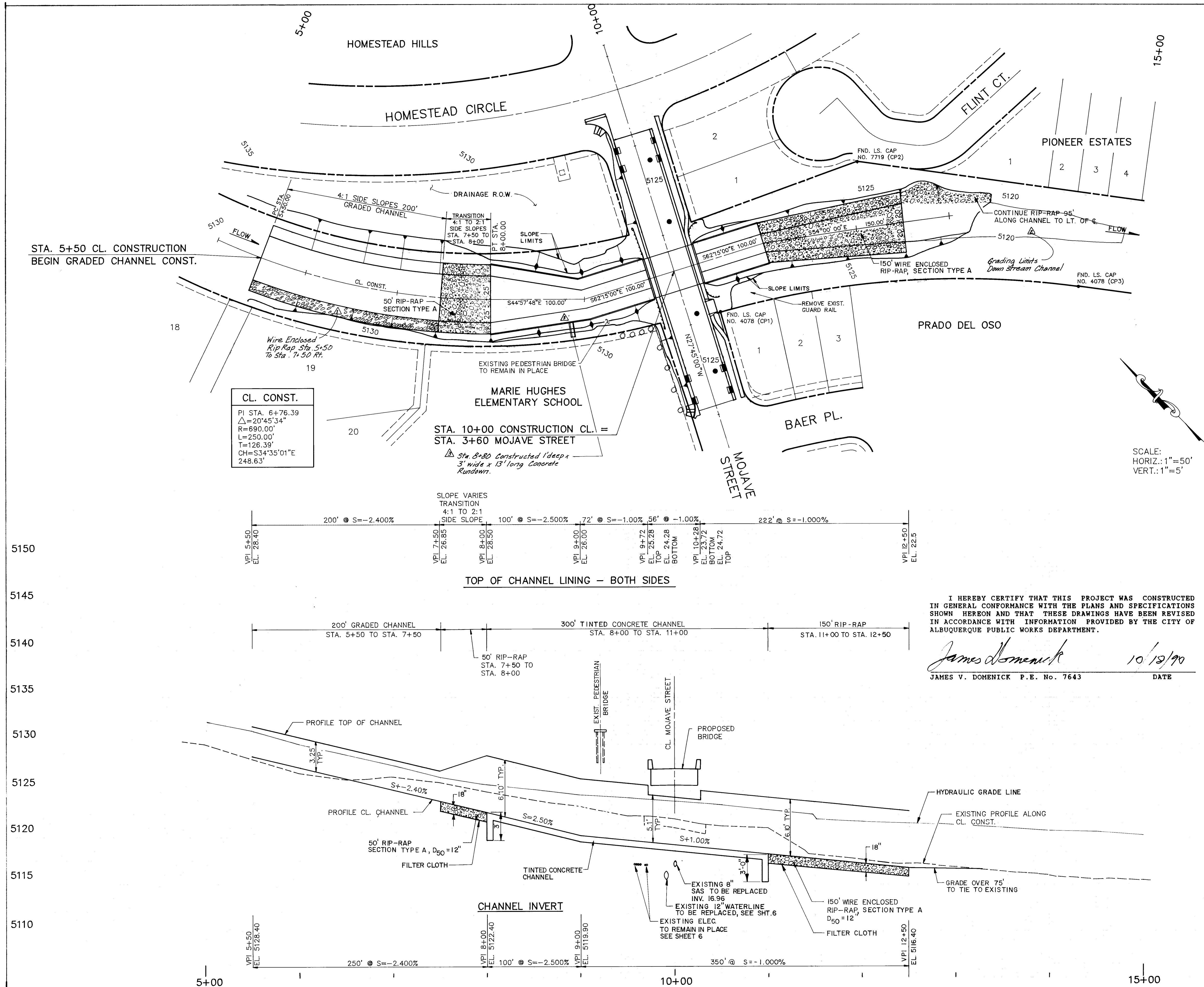
SECTION F-F
NTS

AS BUILT INFORMATION			
CONTRACTOR	MOORE & CONNOR	DATE	10/13/90
WORK	CONTRACT	DATE	10/13/90
STANDARD	C.O.A.	DATE	10/13/90
ACCEPTANCE	C.O.A.	DATE	10/13/90
FIELD	C.O.A.	DATE	10/13/90
REVISIONS	C.O.A.	DATE	10/13/90
CORRECTIONS	C.O.A.	DATE	10/13/90
RECORDED BY	JVD	DATE	10/13/90
NO.	3841	DATE	10/13/90

261318411031910

AVID ENGINEERING, INC.
 Civil • Structural • Transportation
 6100 Seagull Street NE • Suite 102
 Albuquerque, NM 87109 • (505) 881-5357

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
APPROVALS	ENGINEER	DATE	APPROVALS
D.R. Chair	R. J. J. J.	6-1-90	Water
Transportation	R. J. J. J.	5-31-90	Waste Water
Hydrology	R. J. J. J.	5-31-90	
DESIGNED BY	JVD	DATE	1/90, 4/90
DRAWN BY	RB, RL	DATE	1/90, 4/90
CHECKED BY	JVD	DATE	4/90
TITLE	MOJAVE STREET AT MARIPOSA ARROYO TYPICAL ROADWAY SECTION & MISC. DETAILS		
DRAWING NO.	3841	MAP NO.	D-II
SHEET	3	OF	14



SURVEY CONTROL POINTS

LOCAL COORDINATE SYSTEM

CP1 - LS CAP NO. 4078
N. 10,253.306
E. 10,172.493

CP2 - LS CAP NO. 7719
N. 10,263.023
E. 10,388.582

CP3 - LS CAP NO. 4078
N. 10,001.549
E. 10,460.760

STA. 5+50 CL. CONSTRUCTION
N. 10,640.617
E. 9,867.325

STA. 10+00 CHANNEL CONST. CL.
N. 10,318.596
E. 10,167.622

NOTES:

- 1) 100 YEAR DESIGN FLOW = 748 CFS
- 2) CHANNEL CONCRETE TINT COLOR SHALL BE SPECIFIED BY THE CITY PROJECT MANAGER.
- 3) EXISTING RIP RAP & GABION ROCK WITHIN THE PROJECT LIMITS MAY BE USED AS PART OF THE ROCK FOR THE WIRE-ENCLOSED RIP RAP REQUIRED FOR THIS PROJECT.
- 4) REMOVE EXISTING RIP RAP & GABIONS WITHIN PROPOSED CHANNEL AREA.

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James V. Domenick 10/18/90
JAMES V. DOMENICK P.E. No. 7643 DATE

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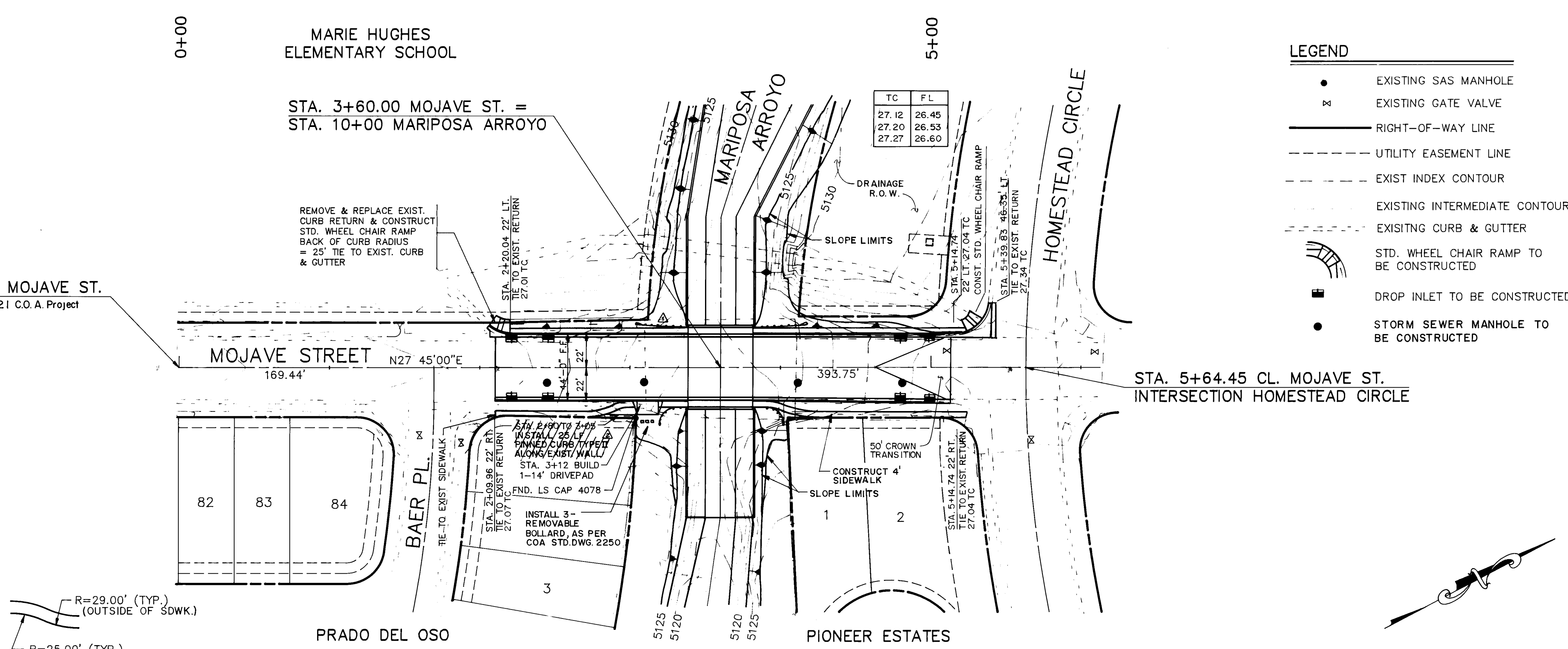
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE
MOJAVE STREET AT MARIPOSA ARROYO
MARIPOSA CHANNEL PLAN & PROFILE

APPROVAL	ENGINEER	DATE	APPROVAL	ENGINEER	DATE
D.R.C. Check	<i>Robert J. ...</i>	6-1-90	Water	<i>U/A RWK</i>	5-31-90
Transportation	<i>...</i>	5-31-90	Waste Water	<i>U/A RWK</i>	5-31-90
Hydrology	<i>...</i>	5/31/90			
Drawn by	<i>...</i>	5/31/90			

DRAWING NO. 3841 MAP NO. D-11 SHEET 4 OF 14

SIDEWALK CURVE DATA	
1	PC STA. 2+75.56 29.13' RT. Δ = 29° 34' 30" R=25.00' (INSIDE OF SDWK.) T= 6.60' L= 12.90' PT/PT STA. 2+87.96 26.12' RT. Δ = 28° 25' 45" R=29.00' (OUTSIDE OF SDWK.) T= 7.35' L= 14.39' PT STA. 3+01.77 22.63' RT.
2	PC STA. 3+90.66 22.63' RT. Δ = 28° 57' 54" R= 29.00' (OUTSIDE OF SDWK.) T= 7.49' L= 14.66' PT/PC STA. 4+04.65 26.25' RT. Δ = 28° 57' 54" R= 25.00' (INSIDE OF SDWK.) T= 6.46' L= 12.64' PT STA. 4+16.46 29.38' RT.



- LEGEND**
- EXISTING SAS MANHOLE
 - ⊗ EXISTING GATE VALVE
 - RIGHT-OF-WAY LINE
 - UTILITY EASEMENT LINE
 - - - EXIST INDEX CONTOUR
 - - - EXISTING INTERMEDIATE CONTOUR
 - - - EXISTING CURB & GUTTER
 - STD. WHEEL CHAIR RAMP TO BE CONSTRUCTED
 - DROPPED INLET TO BE CONSTRUCTED
 - STORM SEWER MANHOLE TO BE CONSTRUCTED

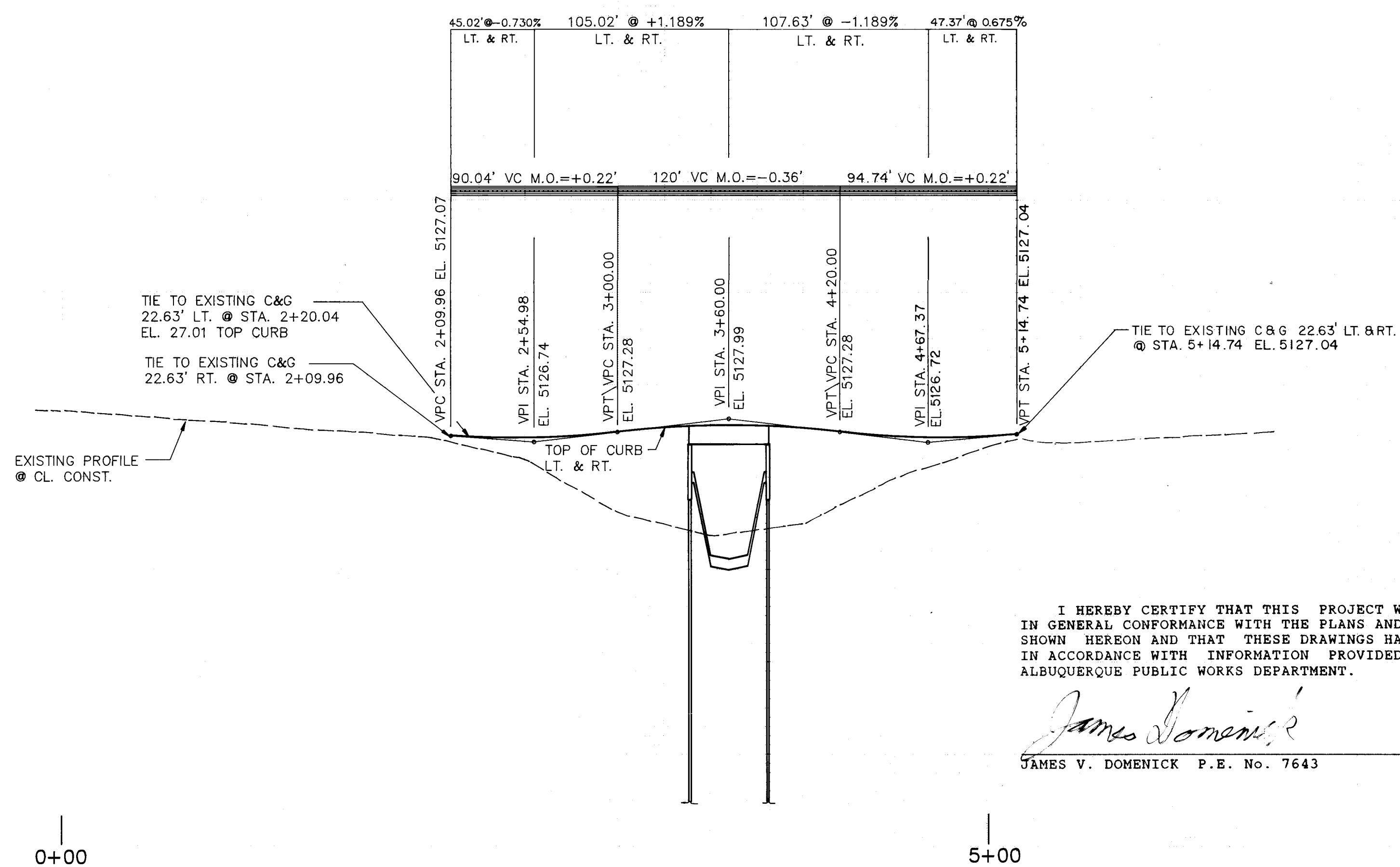
SURVEY CONTROL POINTS
LOCAL COORDINATE SYSTEM

CP1 - LS CAP NO. 4078
N. 10,253.306
E. 10,172.493

STA. 0+00 CL. MOJAVE ST.
N. 10,000.000
E. 10,000.000

STA. 3+60 CL. MOJAVE ST.
N. 10,318.597
E. 10,167.622

- NOTES:**
- 1) REMOVE EXISTING CURB & GUTTER STA. 2+09.96 TO STA. 3+10± & STA. 4+10± TO STA. 5+14.74 RT., STA. 2+20.04 TO STA. 3+10± & STA. 4+10± TO STA. 5+39.83 LT.
 - 2) REMOVE EXISTING SIDEWALK STA. 2+09.96 TO STA. 3+10± & STA. 4+10± TO STA. 5+14.74 LT.
 - 3) REMOVE EXISTING CONCRETE DIP SECTION.



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James V. Domenick 10/18/90
JAMES V. DOMENICK P.E. No. 7643 DATE

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Civil • Structural • Transportation
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Albuquerque, NM 87109 • (505) 881-5357

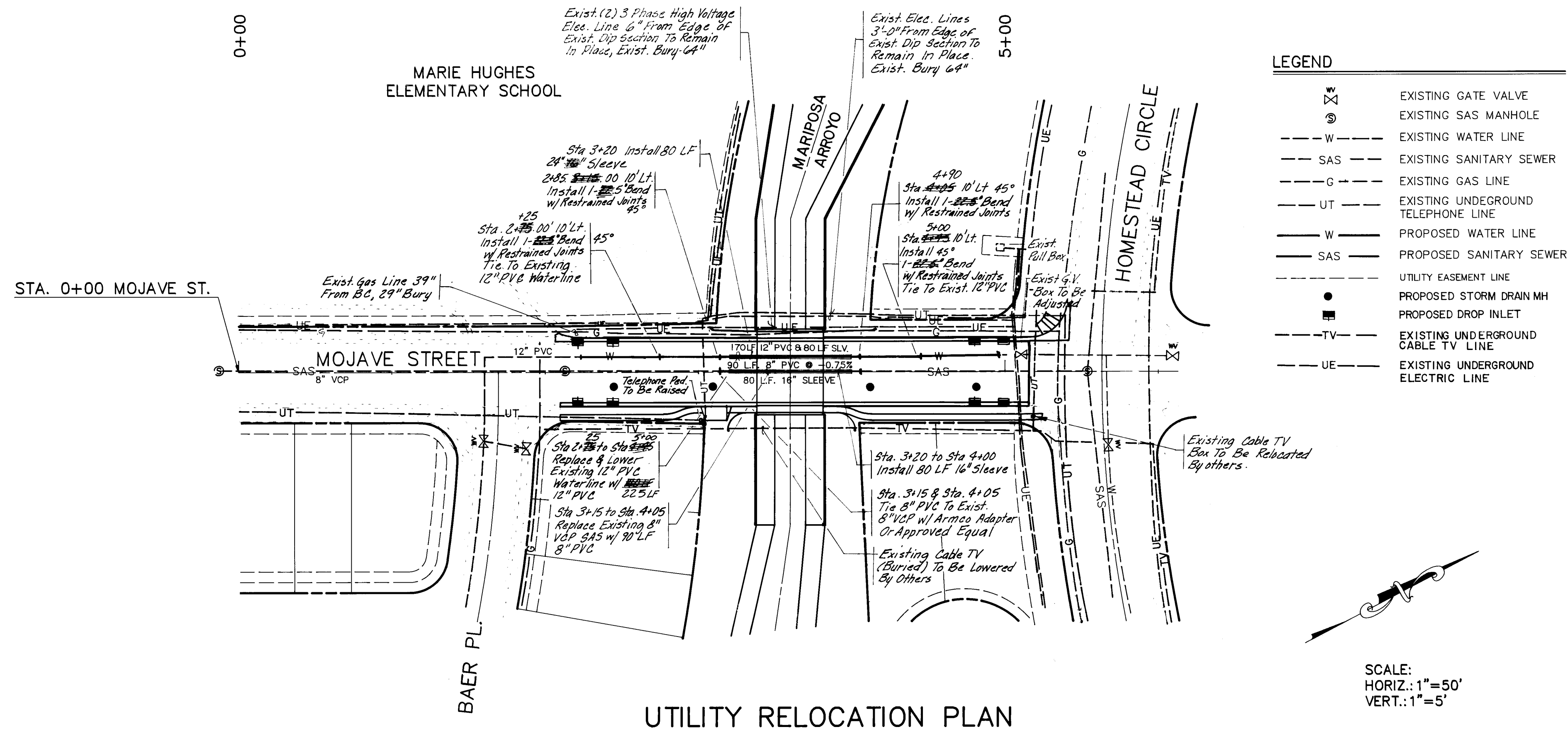
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE MOJAVE STREET AT MARIPOSA ARROYO MOJAVE STREET PLAN & PROFILE			
APPROVALS	ENGINEER	DATE	APPROVALS
U.R.C. Chair	<i>Roger A. Rivera</i>	6-1-90	Water
Transportation	<i>R. Rivera</i>	5-31-90	Waste Water
Hydrology	<i>R. Rivera</i>	5/31/90	
DRAWING NO. 3841		MAP NO. D-11	SHEET 5 OF 14

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
LOCAL COORDINATE SYSTEM		A CHISELED "X" IN TOP OF CURB ON WEST SIDE OF EAST ENTRANCE TO MARIE HUGHES ELEMENTARY SCHOOL. BASED ON N 1/4 CORNER SECTION 26, T11N, R2E, N1/4M. BRASS CAP, EL. 5119.78.		FIELD NOTES			
CP1 - LS CAP NO. 4078		DATE		NO.		REMARKS	
N. 10,253.306 E. 10,172.493		10/89		1		DESIGN	
STA. 0+00 CL. MOJAVE ST.		Marquez Surveying Co.				DESIGNED BY JVD	
N. 10,000.000 E. 10,000.000		(Existing Conditions Survey)				DRAWN BY RB	
STA. 3+60 CL. MOJAVE ST.						CHECKED BY JVD	
N. 10,318.597 E. 10,167.622						DATE 1/90	
						DATE 1/90	
						DATE 4/90	

RECORD DRAWING



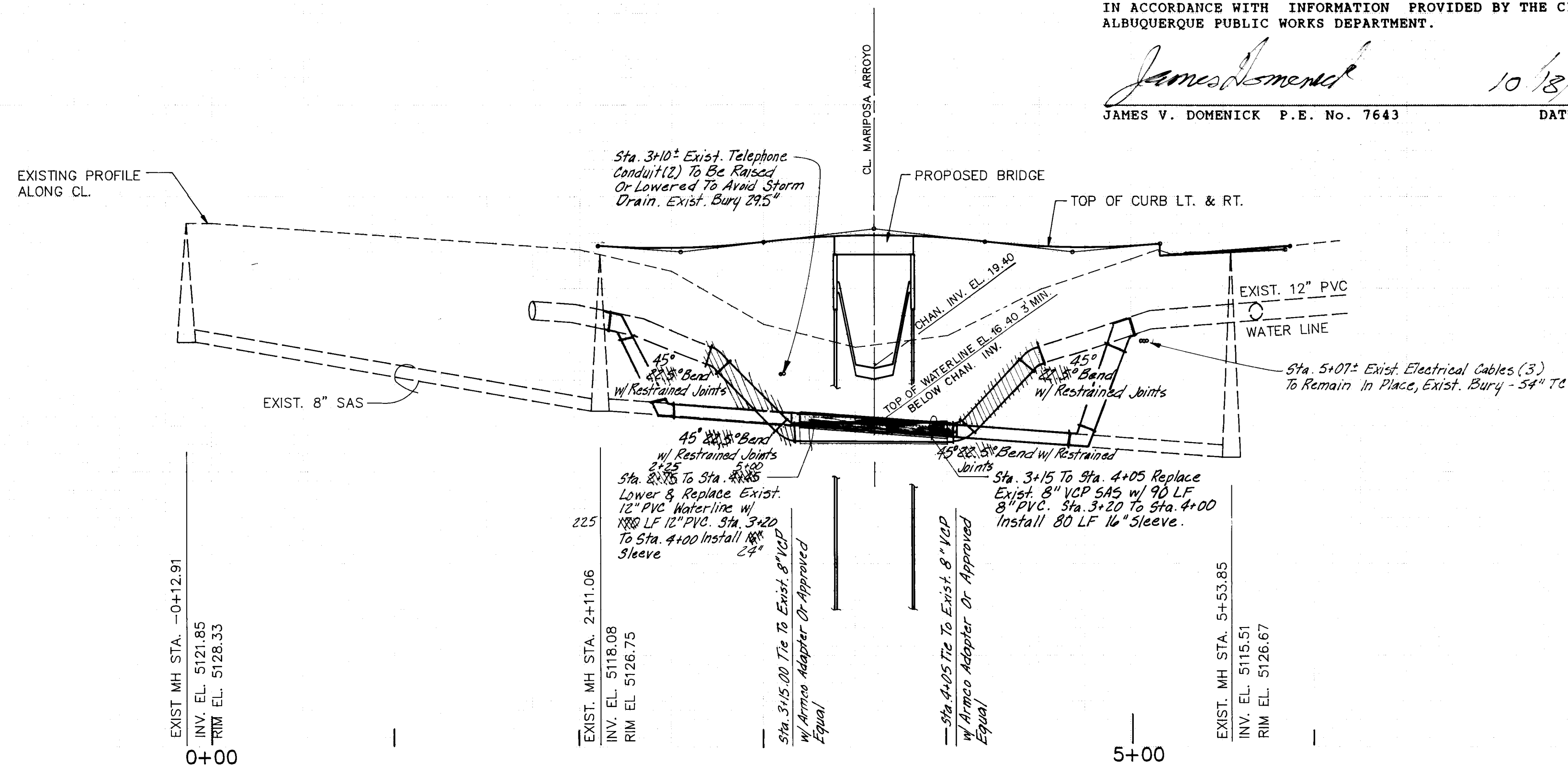
- 1) The Contractor Shall Notify The City of Albuquerque Water Systems Division @ 823-4200, A Min. of 3 Working Days Prior To Commencement of Any Work Affecting Any Existing Waterlines.
- 2) When Relocating The Existing 12" PVC Waterline In Move 3rd. A City Water Representative Shall Close Valves No. 831, 841, & 881. There Should Be No Services Affected By This Shut-Off.



SCALE:
HORIZ.: 1"=50'
VERT.: 1"=5'

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James V. Domenick 10/18/90
JAMES V. DOMENICK P.E. No. 7643 DATE



NOTES:

- 1) The Location of Underground Utility Lines is Subject to Approximation. Only the Contractors Responsibility to Contact New Mexico One Call System (505)240-1980 Two (2) Working Days Prior To Any Excavation.
- 2) The Relocation of Existing Utilities Besides Water & Sanitary Sewer is the Responsibility of The Respective Utility Company.
- 3) The Public Service Company of New Mexico Shall be Contacted Prior To Any Excavation In The Vicinity of The Existing High Voltage Electrical Lines To The West of The Existing Dip Section. Contact Person: Jim Yarn (505) 848-3426
- 4) The Contractor Will Coordinate With US WEST For The Timing Of The Cable And Gas Relocation.
Contact Person: Becky Olson (505) 245-6694
- 5) Cable TV Line In Existing Channel & Sanitary Sewer Connections Shall Move To Be Relocated By Jnts Interable. Contractor shall Chordinate The Relocation.

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		A CHISELED "X" IN TOP OF CURB ON WEST SIDE OF EAST ENTRANCE TO MARIE HUGHES ELEMENTARY SCHOOL.		CONTRACTOR: Moore & Conant Contr.	
		NO	BY	DATE	BY	DATE	
		1.	Marquez Surveying Co. (Existing Conditions Survey)	10/89	INSPECTED BY: C.O.A.	DATE: 10/90	
		REMARKS	T.I.N., R.2E., N.M.P.M. BRASS CAP, EL. 5119.78.				
		REVISIONS	FIELD MEASURED BY: C.O.A. DATE: 10/90				
		DESIGN	CORRECTED BY: AND Eng. DATE: 10/90				
DESIGNED BY JVD		MICRO-FILM INFORMATION					
DRAWN BY RB		RECORDED BY					
CHECKED BY JVD		NO					
DATE 1/90							
DATE 1/90							
DATE 4/90							

APPROVED BY: *[Signature]* DATE: *10/89*

REMARKS: *See above*

ENGINEER

Robert Kane

DATE

5-31-90

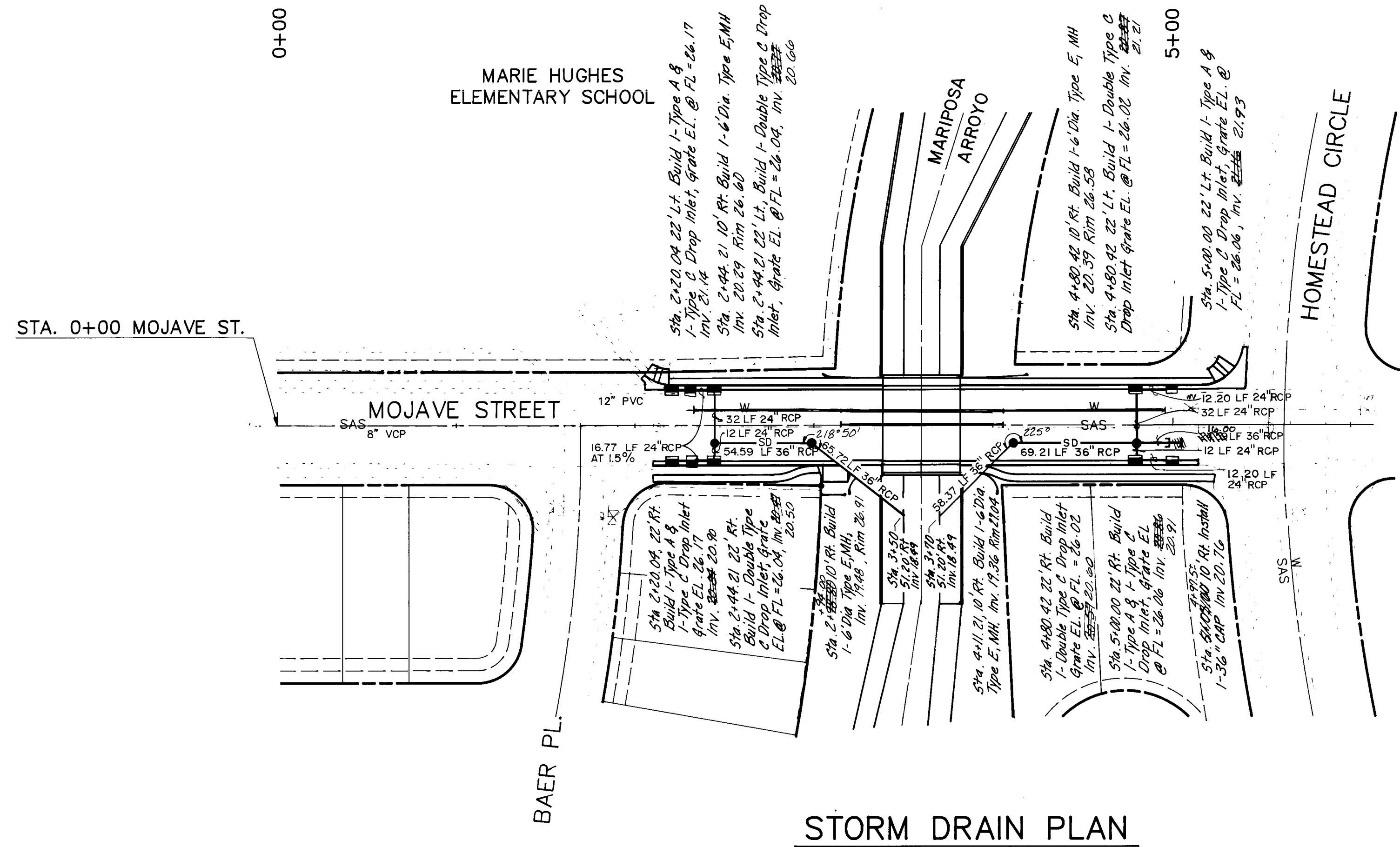
APPROVED BY: *Robert Kane*

DATE: *5-31-90*

SHEET 6 OF 14

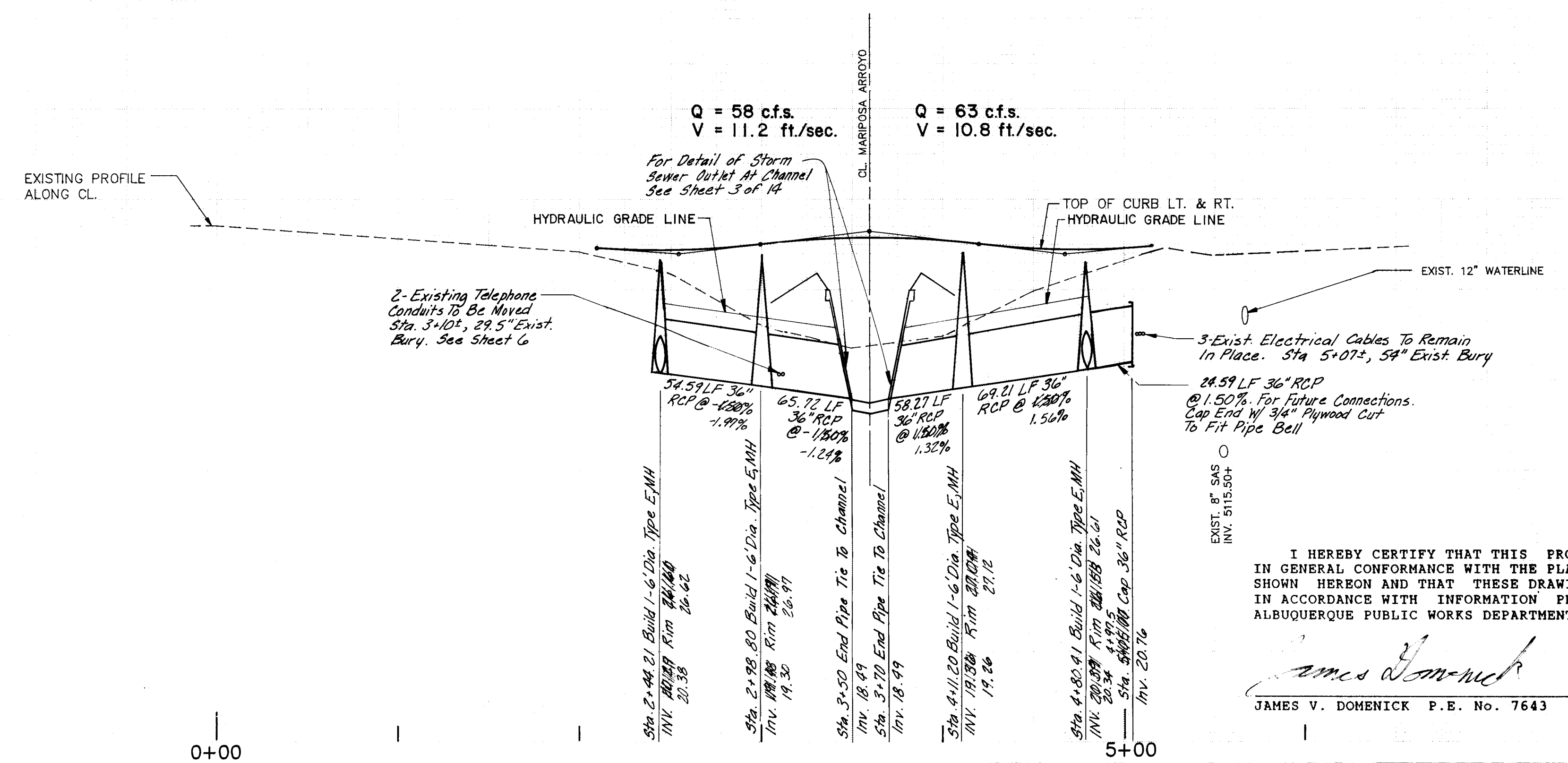
RECORD DRAWING

5145
5140
5135
5130
5125
5120
5115
5110
5105
5100



- LEGEND**
- EXISTING GATE VALVE
 - EXISTING SAS MANHOLE
 - EXISTING WATER LINE
 - EXISTING SANITARY SEWER
 - EXISTING GAS LINE
 - EXISTING UNDERGROUND TELEPHONE LINE
 - PROPOSED WATER LINE
 - PROPOSED SANITARY SEWER
 - UTILITY EASEMENT LINE
 - PROPOSE SD MANHOLE
 - PROPOSED DROP INLET
 - PROPOSED STORM SEWER

SCALE:
HORIZ.: 1"=50'
VERT.: 1"=5'



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James V. Domenick
JAMES V. DOMENICK P.E. No. 7643
DATE 1/18/90

NOTES

1.) For Combination Type "A" & "C" Inlets At Sta. 2+20.04 And Sta. 5+00.00, The Type "A" Inlet, Shall Be Located On The Side Nearest The Adjacent Curb Return (Upstream Side).

2.) All Storm Drain RCP To Be Class III, Bedding To Be Type B. The Trench Sides Shall Be Sloped To Provide Not Less Than 0.2 of Pipe Plus 16" At Invert of Pipe.

C of A PWD Maps & Plans
1 2 3 4 5 6 7 8 9 10
2 0 1 3 8 4 1 0 7 9 0

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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: MOJAVE STREET AT MARIPOSA ARROYO STORM DRAIN PLAN & PROFILE					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R. Chair	<i>Regina H...</i>	6-1-90	Water	<i>NIA RUK</i>	5-31-90
Transportation	<i>...</i>	5-21-90	Waste Water	<i>NIA RUK</i>	5-31-90
Hydrology	<i>...</i>	5/31/90			
<i>Baker & ...</i>	<i>Callum ...</i>	5/31/90			
DRAWING NO.	3841	MAP NO.	D-11	SHEET	7 OF 14

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		A CHISELED "X" IN TOP OF CURB ON WEST SIDE OF EAST ENTRANCE TO MARIE HUGHES ELEMENTARY SCHOOL.		CONTRACT FOR: <i>Meers & Covert Contr.</i>	
		NO.	BY	DATE		WORK	DATE
		1	Marquez Surveying Co. (Existing Conditions Survey)	10/89	EL. 5130.68 BASED ON N 1/4 CORNER SECTION 26, T.11N., R.2E., N.M.P.M. BRASS CAP, EL. 5119.78.	STANDARD BY: C.O.A.	
						FIELD ACCEPTANCE BY: C.O.A.	
NO.		DATE	REMARKS	BY		DATE	
		REVISONS					
		DESIGN					
DESIGNED BY		JVD	DATE	1/90			
DRAWN BY		RB	DATE	1/90			
CHECKED BY		JVD	DATE	4/90			
POSAR ARROYO PROFILE							
NO.		DATE	ENGINEER	DATE			
Water			<i>N/A RWK</i>	<i>5-31-90</i>			
			<i>N/A RWK</i>	<i>5-31-90</i>			
SHEET		7	OF		14		

DESIGN DATA

DESIGN IS IN ACCORDANCE WITH AASHTO SPECIFICATIONS 1988 EDITION &
CURRENT INTERIMS.

8 OF 14
9 OF 14
10 OF 14
11 OF 14
12 OF 14

METAL BARRIER (BREAKAWAY) TYPE "C" END ANCHORAGE
(WOOD POSTS) CITY OF ALBUQUERQUE DWG. 2635

DESIGN STRESSES: STRUCTURAL STEEL-AASHTO M-183, FS=20,000. PSI

REINFORCED CONCRETE:
SUPERSTRUCTURE: F'C=4,000. PSI AT 28 DAYS
F'C=1,200. PSI FS=24,000. PSI
SUBSTRUCTURE: F'C=4,000. PSI AT 28 DAYS
FC=1,200. PSI FS=24,000. PSI GRADE 60
N=9 FS=20,000. PSI GRADE 40

LIVE LOAD: HS-20-44

WEARING SURFACE: 30 PSF ALLOWANCE FOR FUTURE WEARING SURFACE.

HORIZONTAL EARTH PRESSURE: 36 LBS./CU. FT. EQUIVALENT FLUID PRESSURE AND 2 FT. SUBCHARGE.

WIND VELOCITY: 80 MPH

MAXIMUM COMPUTED PILE LOAD.
ABUT. NO. 1 : 85 KIPS
ABUT. NO. 2 : 85 KIPS

PRESTRESSED CONCRETE:

BEAMS: FCI (MIN. COMP. STRENGTH OF CONC. AT TIME OF INITIAL PRESTRESS) = 4750 PSI
FC-5500 PSI, N=7, 1/2" DIA. HIGH TENSILE STRENGTH 7 WIRE STRANDS:
INITIAL PRESTRESS = 28910. LBS/STRAND,
F'S = 41300. LBS/STRAND, F_Y = 35100. LBS/STRAND
INTERIOR BEAMS: FSE = 21940 LBS/STRAND, PRESTRESS LOSS = 6970 LBS/STRAND
EXTERIOR BEAMS: FSE = 21623 LBS/STRAND, PRESTRESS LOSS = 7287 LBS/STRAND
CONVENTIONAL REINFORCING STEEL: F_S = 20000. PSI, F_Y = 40000. PSI
ALLOWABLE FOR FUTURE WEARING SURFACE = 30. LBS/SQ. FT.
LIVE LOAD = HS-20-44

[illegible]

1. ELASTOMERIC BEARING PAD
2. WATERPROOFING MEMBRANE
3. PREFORMED BITUMINOUS JOINT FILLER

NOTE:

ITEMS LISTED ABOVE SHALL BE INCIDENTAL TO THE COST OF OTHER ITEMS FOR THE COMPLETION OF THE WORK AND NO DIRECT PAYMENT WILL BE MADE THEREFORE. THIS LIST DOES NOT INCLUDE ANY INCIDENTAL WORK OR MATERIAL REQUIRED BY STANDARD DRAWINGS, SUPPLEMENTAL SPECIFICATIONS, OR THE STANDARD SPECIFICATIONS.

SUPPLEMENTAL SPECIFICATION

1. WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 1989 EDITION.
2. CONCRETE FOR STRUCTURAL CAST-IN-PLACE CONCRETE USE CLASS A. CHAMFER ALL EXPOSED EDGES OF CONCRETE STRUCTURES 3/4 INCH UNLESS NOTED OTHERWISE ON THE DETAILS.
3. REINFORCING BARS. ALL REINFORCING BARS SHALL CONFORM TO AASHTO M-31, GRADE 60, UNLESS NOTED OTHERWISE ON THE DETAILS DIMENSIONS REFER TO CENTERLINE OF BAR UNLESS NOTED OTHERWISE ON THE DETAILS.
4. STRUCTURAL STEEL TO BE CARBON STEEL CONFORMING TO AASHTO SPECIFICATIONS M-183 UNLESS NOTED OTHERWISE ON THE DETAILS. SHOP PLANS MUST BE APPROVED BY THE ENGINEER BEFORE FABRICATION IS STARTED.
5. FOUNDATION DATA. FOUNDATION DATA SHOWN ON PLANS ARE FOR DESIGNERS ONLY. THE ENGINEER IS NOT RESPONSIBLE FOR ANY INTERPRETATION OR ASSUMPTIONS MADE BY THE CONTRACTORS BASED ON THIS INFORMATION.
6. CONTRACTOR SHALL VERIFY IN THE FIELD ALL DIMENSIONS, ELEVATIONS AND DETAILS PERTAINING TO THE EXISTING STRUCTURE WHICH WILL BE INVOLVED IN THE NEW CONSTRUCTION BEFORE PROCEEDING WITH THE NEW WORK.
7. ALL PREFORMED BITUMINOUS JOINT FILLER SHALL CONFORM TO AASHTO SPECIFICATION M-213. COST OF JOINT FILLER IS INCIDENTAL TO THE COMPLETION OF THE WORK AND NO DIRECT PAYMENT WILL BE MADE THEREFOR.
8. METAL BRIDGE RAILING POSTS AND TUBES SHALL RECEIVE ONE PRIME COAT OF RED LEAD IN CONFORMANCE WITH SECTION 615 OF THE STANDARD SPECIFICATIONS AND TWO COATS OF PAINT CONFORMING TO ASSHTO M-70, TYPE 1, CLASS B. PAINT SHALL BE TINTED COLOR SAMPLES SHALL BE SUBMITTED TO THE CITY FOR APPROVAL.
9. MEMBERS SHALL CONFORM TO CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS SECTION 512, PRECAST PRESTRESSED CONCRETE MEMBERS.
10. WATERPROOFING MEMBRANE SHALL CONSIST OF PAVING FABRIC ("PETRO MAT", "AMOPAVE", OR APPROVED EQUAL) WITH APPROXIMATELY 0.25 GAL./SQ. YD. OF HOT APPLIED ASPHALT CEMENT (AC-10), AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

* APPLICATION IS FOR PETRO MAT. IF ALTERNATE MATERIAL IS USED FABRIC TEST SECTIONS WILL BE REQUIRED

SPECIFICATION FOR AUGERED-PRESSURE GROUTED PILING INSTALLATION

C of A PWD Maps & Records

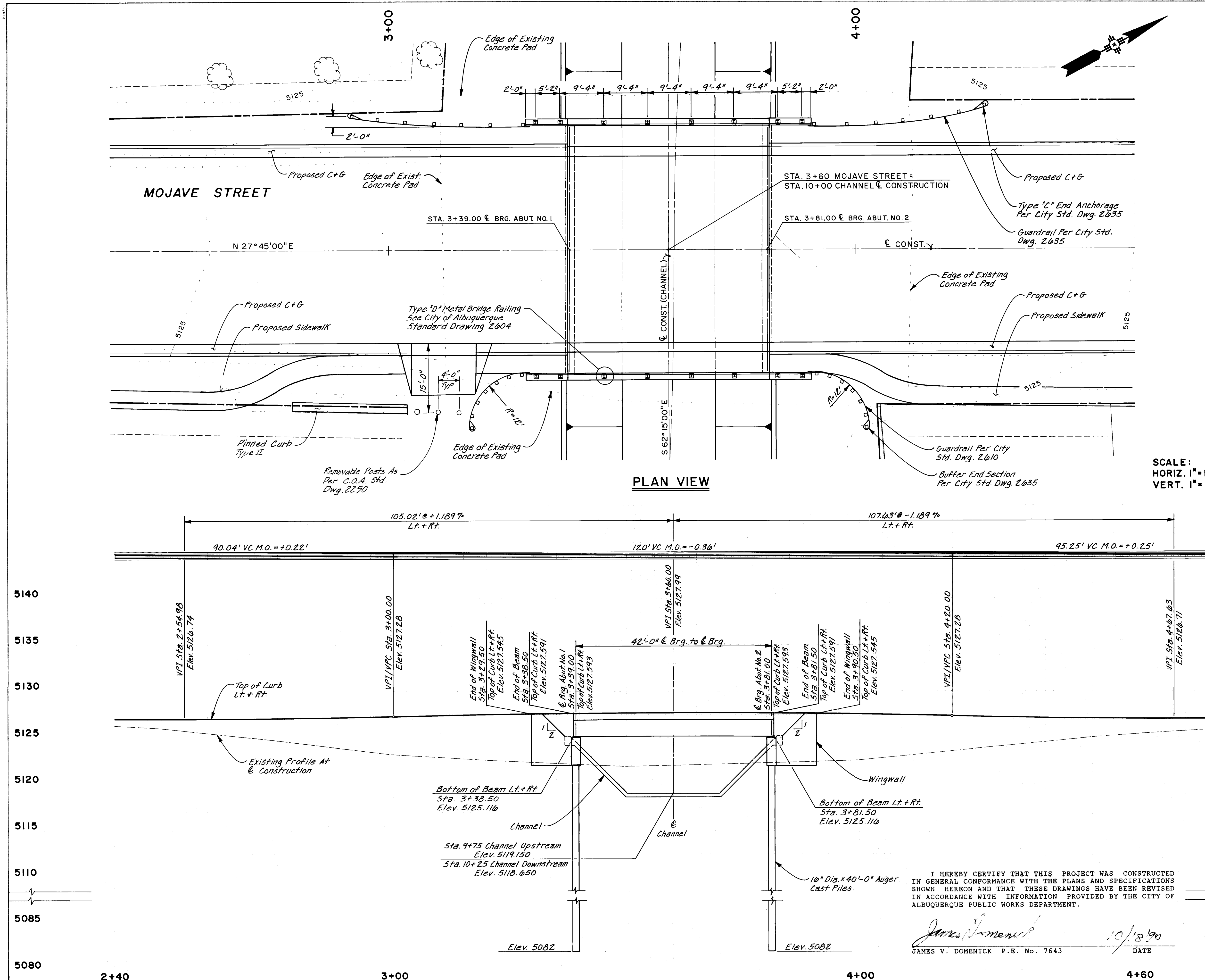
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Civil • Structural • Transportation
6100 Seagull Street NE • Suite 102
Albuquerque, NM 87109 • (505) 881-5357

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: MOJAVE STREET AT MARIPOSA ARROYO							
BRIDGE GENERAL NOTES & ESTIMATED QUANTITIES							
APPROVALS		ENGINEER	DATE	APPROVALS		ENGINEER	DATE
D.R.C. Check		<i>Roger J. Shaw</i>	6-1-90	Water		<i>N/A RWK</i>	5-31-90
Transpiration		<i>R. Shaw</i>	5-31-90	Waste Water		<i>N/A RWK</i>	5-31-90
Hydrology		<i>Patricia G. De...</i>	5/31/90				
<i>Patricia G. De...</i>		<i>Patricia G. De...</i>	5/31/90				
DRAWING NO.		3841	MAP NO.		D-11	SHEET OF	
						8 14	

RECORD DRAWING



SCALE:
HORIZ. 1"=10'
VERT. 1"=5'

I HEREBY CERTIFY THAT THIS PROJECT WAS CONSTRUCTED IN GENERAL CONFORMANCE WITH THE PLANS AND SPECIFICATIONS SHOWN HEREON AND THAT THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION PROVIDED BY THE CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT.

James V. Domenick
JAMES V. DOMENICK P.E. No. 7643
DATE 10/18/90

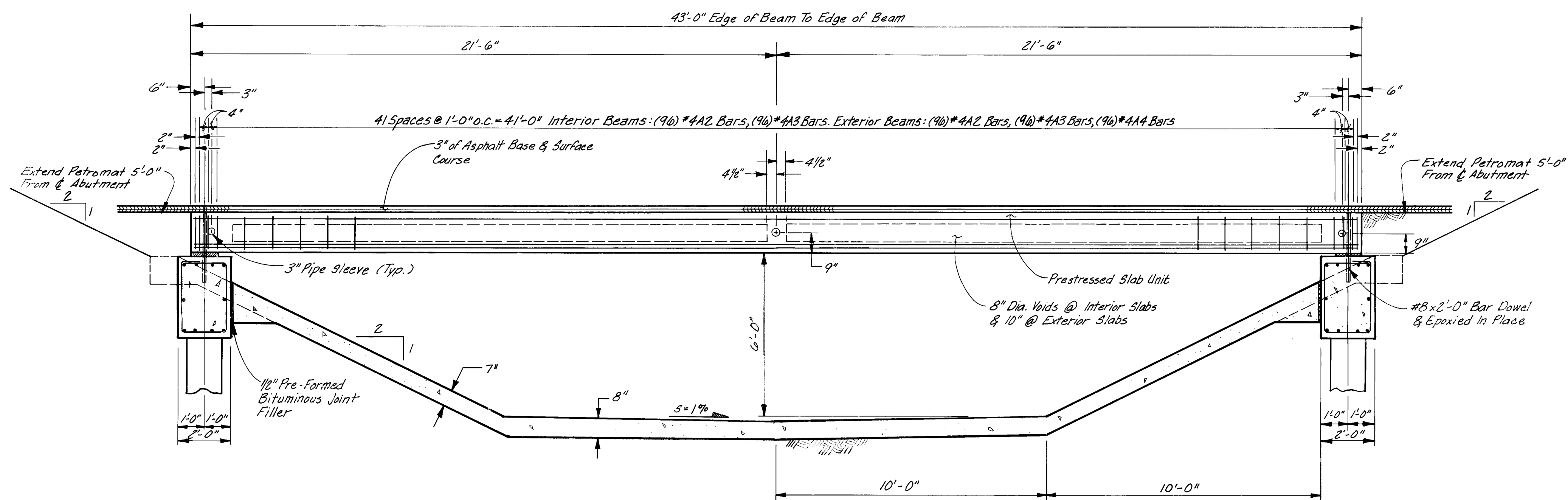
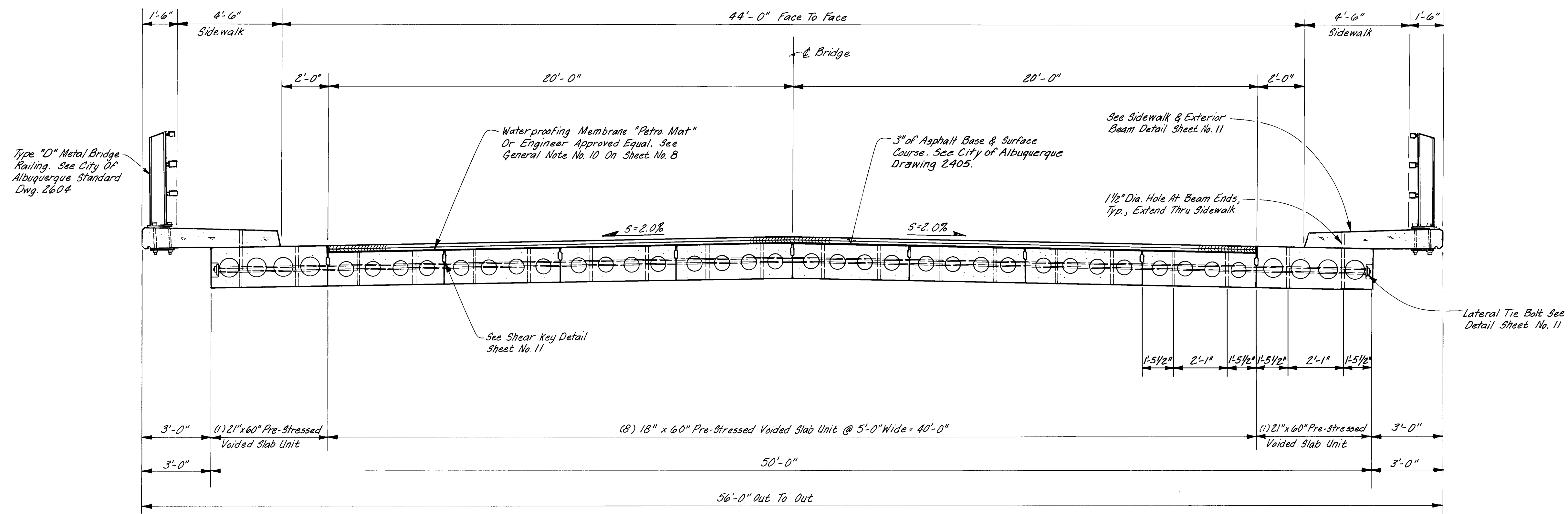
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE MOJAVE STREET AT MARIPOSA ARROYO BRIDGE PLAN & PROFILE					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>Roger A. Shaw</i>	6-1-90	Water	N/A RUK	5-31-90
Transportation	<i>R. Shaw</i>	5-31-90	Waste Water	N/A RUK	5-31-90
Hydrology	<i>Patricia A. Hall</i>	5/31/90			
DRAWING NO. 3841 MAP NO. D-11 SHEET 9 OF 14					

RECORD DRAWING

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	DATE	BY	FIELD NOTES	DATE	BY
1.	10/89	Marquez Surveying Co.	A CHISELED "X" IN TOP OF CURB ON WEST SIDE OF EAST ENTRANCE TO MARIE HUGHES ELEMENTARY SCHOOL. EL. 5130.68 BASED ON N.1/4 CORNER SECTION 26, T.11N., R.2E., N.M.P.M. BRASS CAP, EL. 5119.78.	DATE	BY
REVISIONS		DESIGN		MICRO-FILM INFORMATION	
NO.	DATE	BY	REMARKS	DATE	BY
1	1/90	RL		DATE	BY
2	4/90	DLW		DATE	BY



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James Domenick 10/18/90
JAMES V. DOMENICK P.E. No. 7643 DATE

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: MOJAVE STREET AT MARIPOSA ARROYO
TYPICAL BRIDGE SECTIONS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>Rogers & Rye</i>	6-1-90	Water	<i>M/A RWK</i>	5-31-90
Transportation	<i>Rogers</i>	5-31-90	Waste Water	<i>M/A RWK</i>	5-31-90
Hydrology	<i>Rogers & Rye</i>	5/31/90			
<i>Parks & Rec</i>	<i>Callum & Emery</i>	5/31/90			

RECORD DRAWING

James V. Domenick 10.18.90
JAMES V. DOMENICK P.E. No. 7643 DATE



REGULAR GRADE 40 BARS				
BAR	TYPE	SIZE	LENGTH	NO. REQ'D
#4A1	1	4	42'-9"	8
#4A2	2	4	7'-1"	96
#4A3	3	4	5'-5 1/2"	96
#4A4	4	4	3'-8"	96
#4A5	1	4	5'-8"	96
#4A6	1	4	42'-9"	10



REGULAR GRADE 40 BARS				
BAR	TYPE	SIZE	LENGTH	NO REQ'D
#4A1	1	4	42'-9"	8
#4A2	2	4	6'-7"	96
#4A3	3	4	5'-5 1/2"	96



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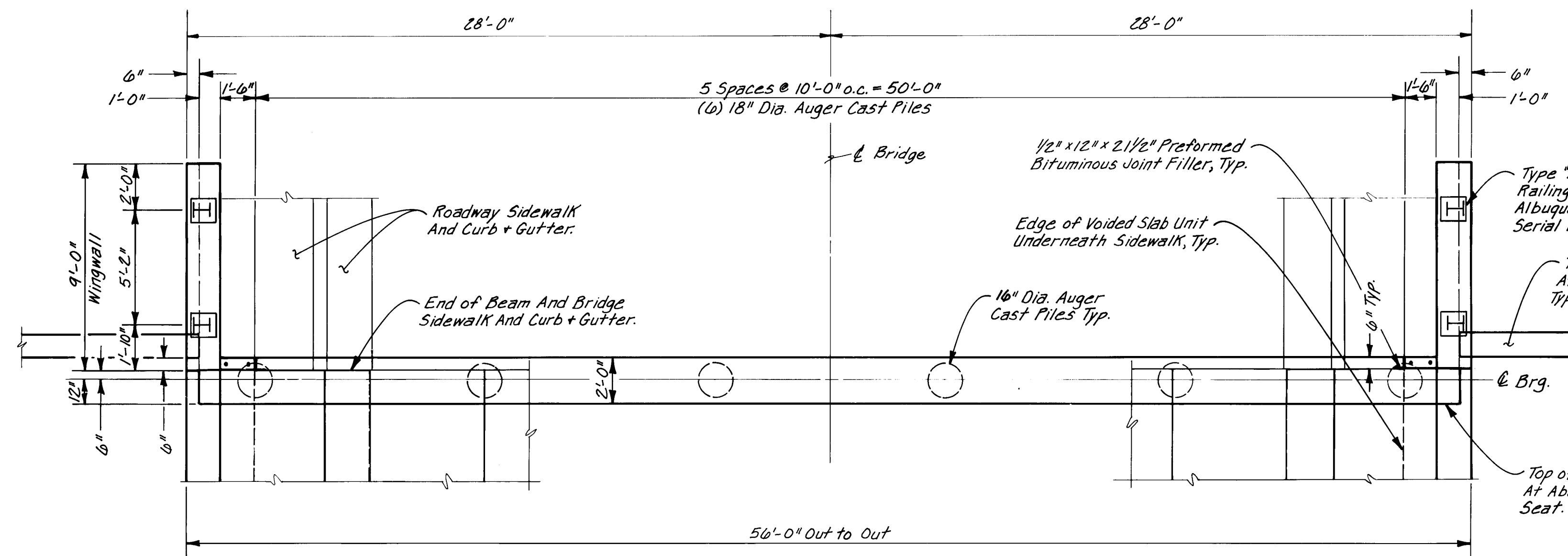
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: MOJAVE STREET AT MARIPOSA ARROYO
SUPERSTRUCTURE BEAM DETAILS

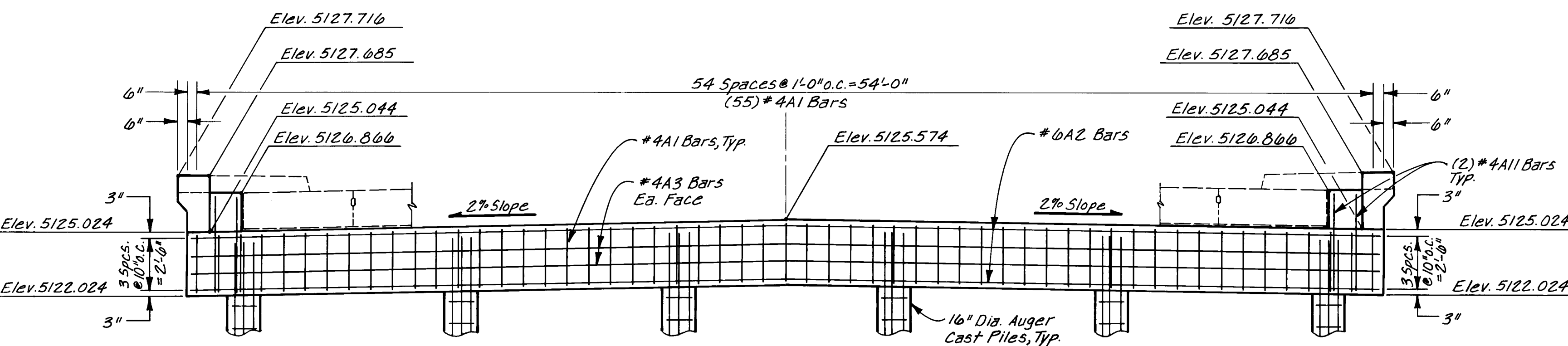
DRAWING NO.	3841	MAP NO.	D-11	SHEET	11	OF	14
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DRAWING NO.	3841	MAP NO.	D-11	SHEET	11	OF	14
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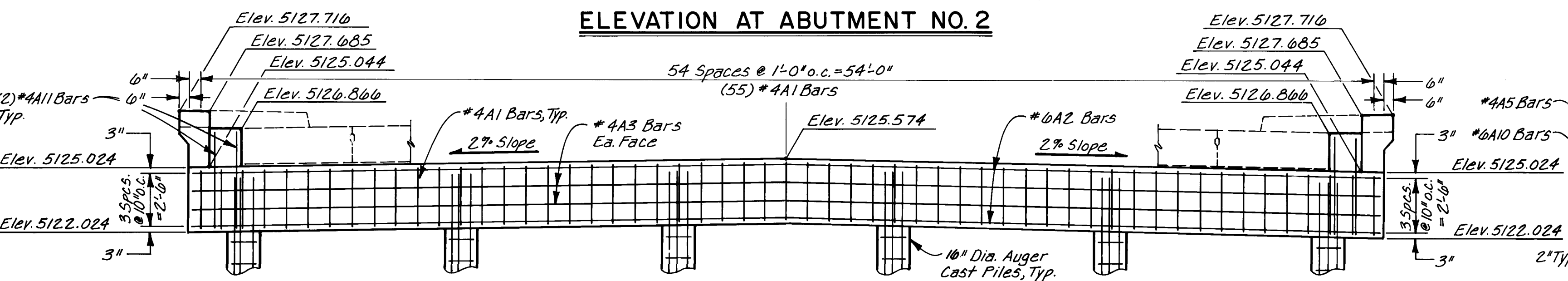
RECORD DRAWING



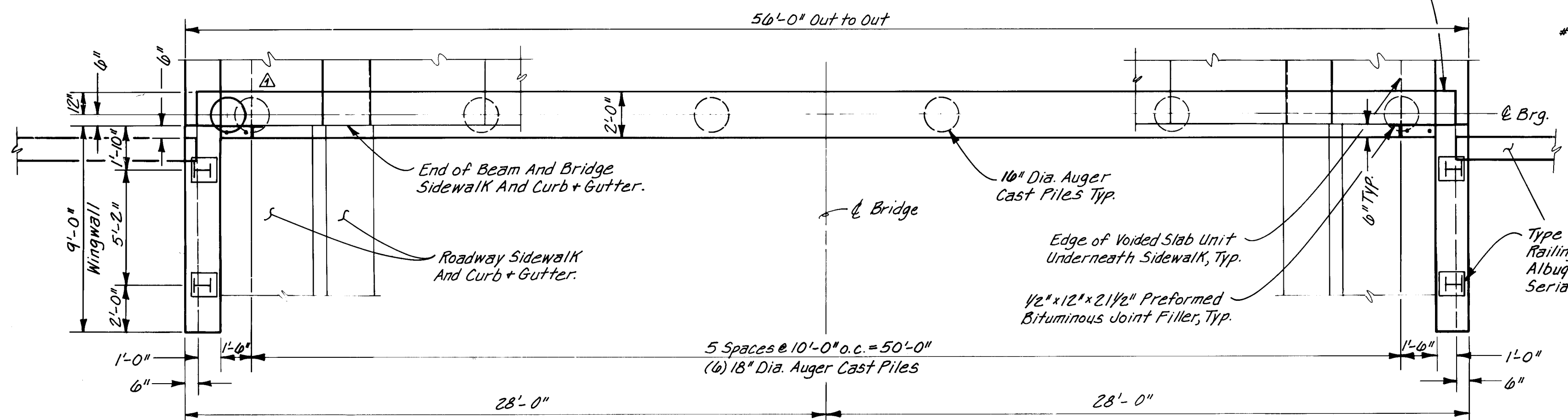
PLAN AT ABUTMENT NO. 2



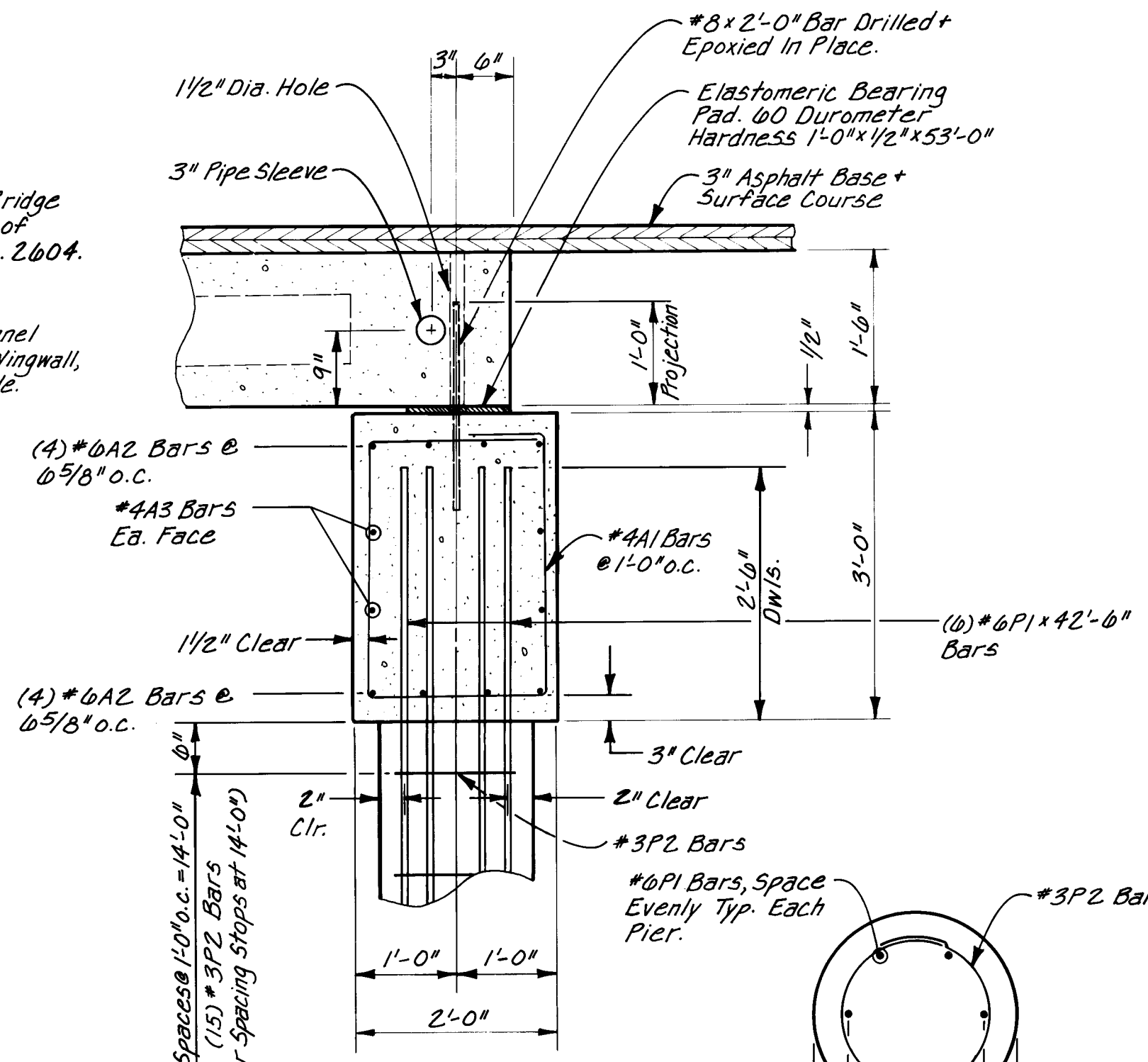
ELEVATION AT ABUTMENT NO. 2



ELEVATION AT ABUTMENT NO. 1



PLAN AT ABUTMENT NO. 1



ABUTMENT SECTION

PLAN VIEW OF PILE

REINFORCING STEEL FOR ABUT. NO. 1 & ABUT. NO. 2

REGULAR GRADE 60 BARS				
BAR	TYPE	SIZE	LENGTH	NO. REQ'D
#4A1	2	4	9'-6"	110
#4A2	1	6	54'-9"	16
#4A3	1	4	54'-9"	8
#4A4	1	4	5'-3"	40
#4A5	3	4	4'-3"	40
#4A6	1	6	5'-3"	40
#4A7	1	4	10'-3"	16
#4A8	1	4	8'-9"	12
#4A9	1	6	10'-3"	16
#4A10	1	6	8'-9"	12
#4A11	1	4	4'-0"	8
#4A12	1	6	42'-6"	72
#3P2	4	3	2'-9"	180

SECTION AT WINGWALL

ELEVATION AT WINGWALLS

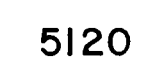
I HEREBY CERTIFY THAT THIS PROJECT WAS CONSTRUCTED IN GENERAL CONFORMANCE WITH THE PLANS AND SPECIFICATIONS SHOWN HEREON AND THAT THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION PROVIDED BY THE CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT.

James V. Domenick
JAMES V. DOMENICK P.E. No. 7643
DATE 10/18/90

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Albuquerque, NM 87109 • (505) 881-5357

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE: MOJAVE STREET AT MARIPOSA ARROYO ABUTMENT & WINGWALL DETAILS			
APPROVALS	ENGINEER	DATE	APPROVALS
D.R.C. Chair	Roger A. Doe	6-1-90	Water
Transportation	Roger A. Doe	5-31-90	Waste Water
Hydrology	Roger A. Doe	5-31-90	
DRAWING NO.	3841	MAP NO.	D-11
SHEET	12	OF	14

ORIGINAL	BY	DATE
RECEIVED		
PROCESSED		
TEMPERATURE		
REMARKS		
APPROVED		

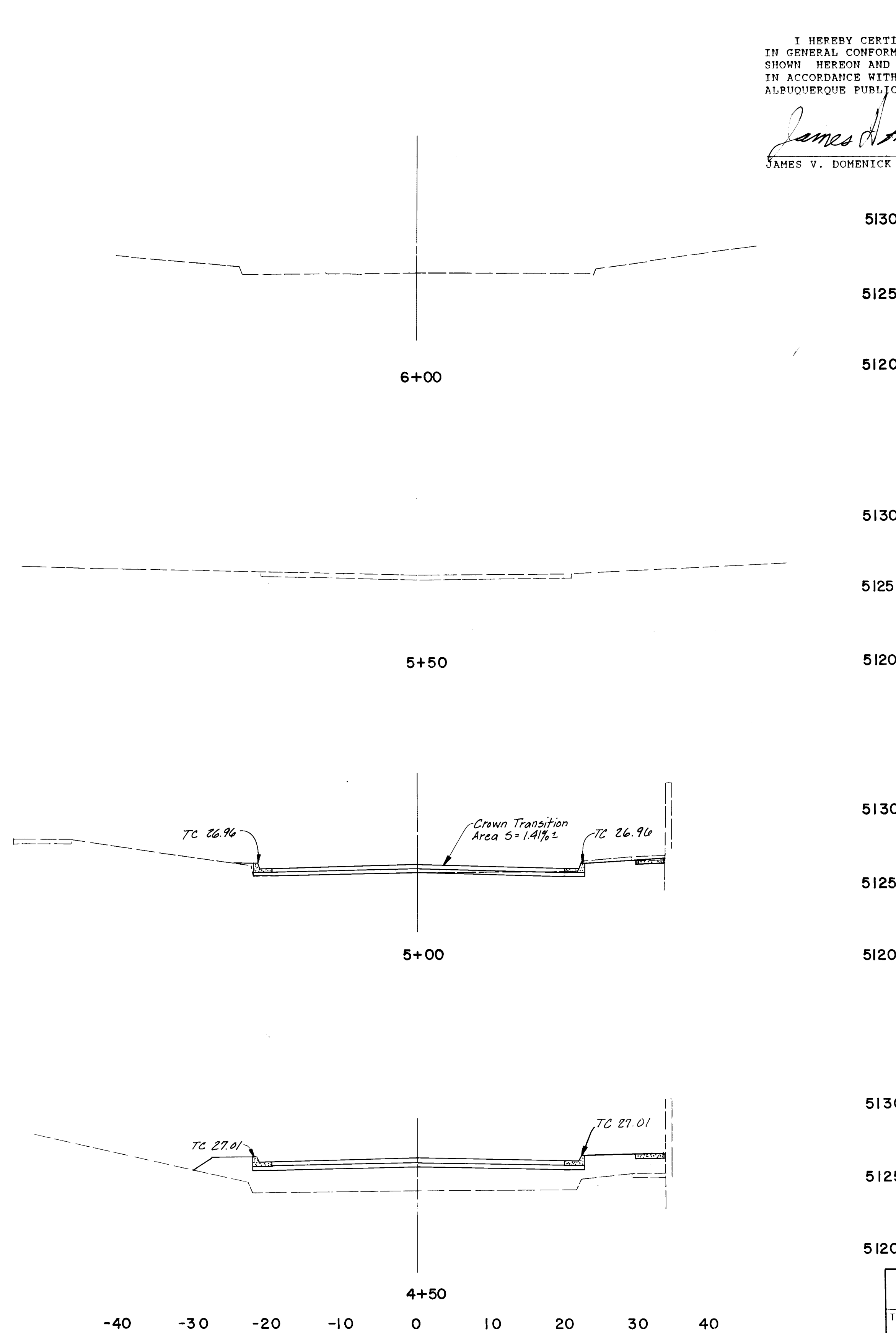
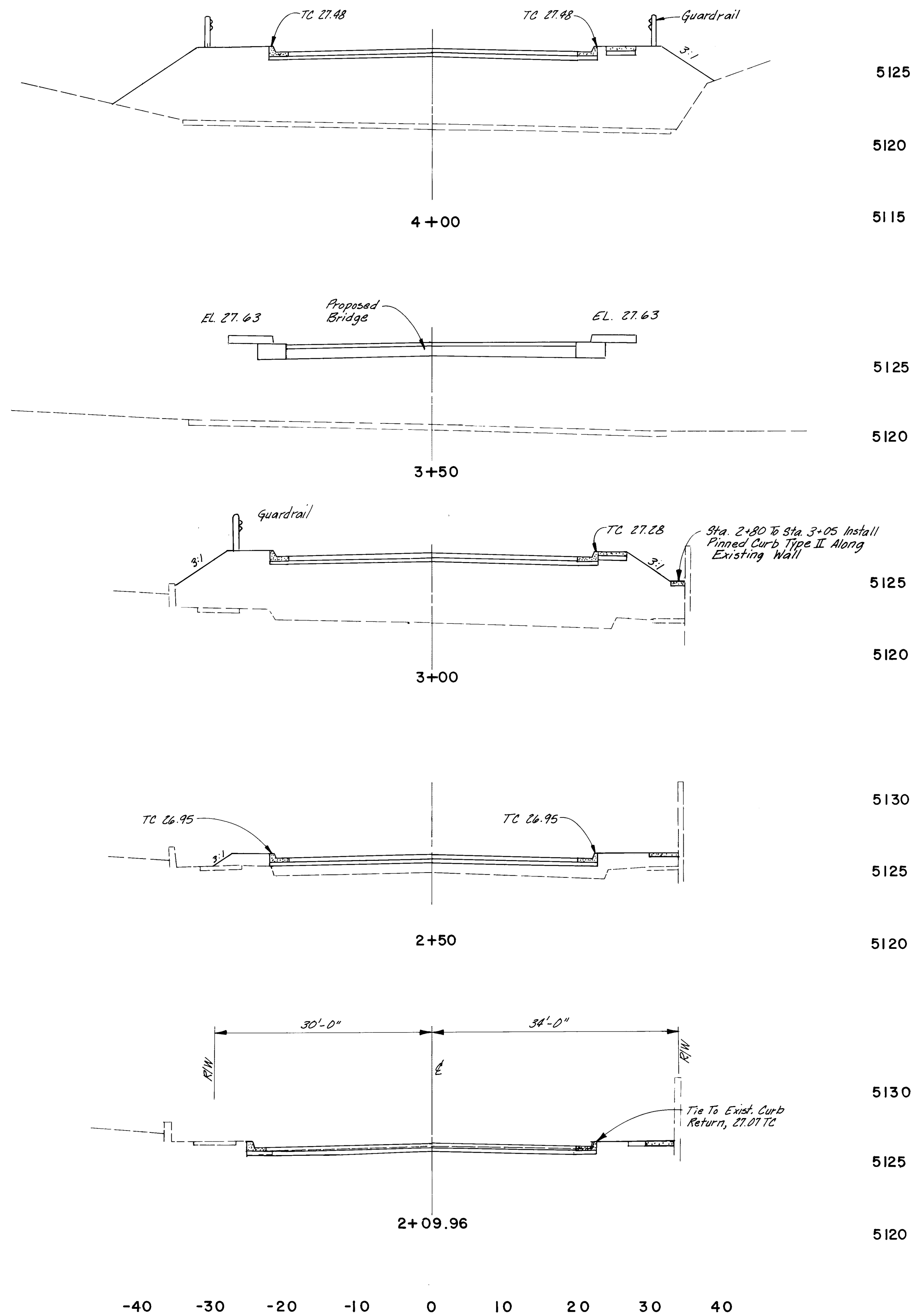


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RECORD DRAWING

FINAL	DATE
SURVEY	BY
NOTED	BY
NO	DATE

ORIGINAL	DATE
SURVEY	BY
NOTED	BY
NO	DATE



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James V. Domenick 10/18/90
 JAMES V. DOMENICK P.E. No. 7643 DATE

1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10

SCALE:
 Horiz.: 1" = 10'
 Vert.: 1" = 5'

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP									
TITLE: MOJAVE STREET AT MARIPOSA ARROYO ROADWAY CROSS-SECTIONS									
APPROVALS		ENGINEER	DATE	APPROVALS		ENGINEER	DATE	APPROVALS	
D.I.C. Chair	<i>[Signature]</i>	D. L. Lujan	6-1-90	Water	<i>[Signature]</i>	N/A	5-31-90	Transportation	<i>[Signature]</i>
Hydrology	<i>[Signature]</i>	D. L. Lujan	5-31-90	Waste Water	<i>[Signature]</i>	N/A	5-31-90	Transportation	<i>[Signature]</i>
DRAWING NO.	3841		MAP NO.	D-11		SHEET	14	OF	14

RECORD DRAWING