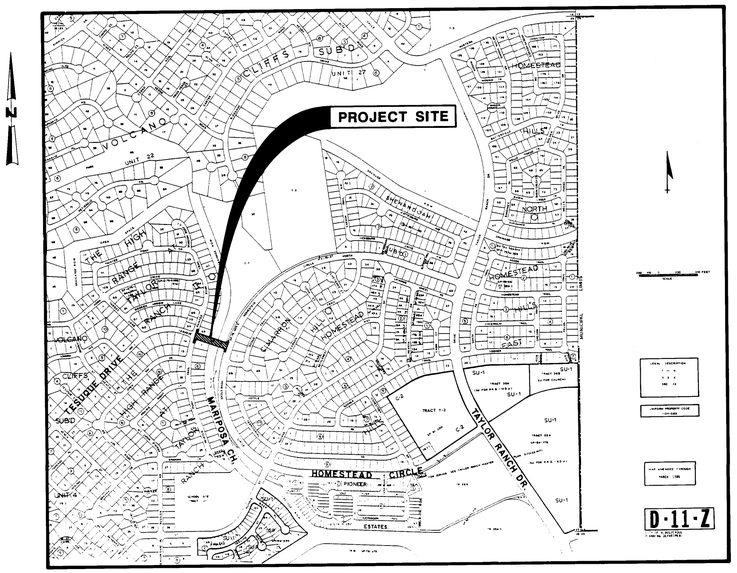
CITY OF ALBUQUERQUE

NEW MEXICO

DIP SECTION CROSSING REPLACEMENT

TESUQUE DRIVE AT MARIPOSA ARROYO



LOCATION MAP

ZONE ATLAS MAP D-11-Z

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1)	COVER SHEET
2)	TYPICAL CHANNEL SECTIONS
3)	TYPICAL ROADWAY SECTIONS
4)	MARIPOSA CHANNEL PLAN & PROFILE
5)	TESUQUE DRIVE PLAN & PROFILE
6)	STORM DRAIN PLAN & PROFILE
7)	TESUQUE DRIVE UTILITY RELOCATIONS
8)	BRIDGE GENERAL NOTES & ESTIMATED QUANTITIES
9)	BRIDGE PLAN & PROFILE
10)	TYPICAL BRIDGE SECTIONS
11)	CONCRETE BRIDGE DECK DETAILS
12)	SUPERSTRUCTURE BEAM DETAILS
13)	ABUTMENT & WINGWALL DETAILS
14)	PIER DETAILS
15)	UPSTREAM CHANNEL HEADWALL DETAILS
16) - 17)	IMPACT STILLING BASIN DETAILS
18)	ROADWAY CROSS SECTIONS

SCANNED BY BY LASON

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 Domenick P — 6/10/91

JAMES V. DOMENICK, P.E. No. 7643 — DATE

C of A PWD Maps & Records
2/6/90 03801991

GENERAL NOTES

1. 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 18, GENERAL NOTES, FOR BRIDGE SPECIFICATIONS.
2. CONTRACTOR WILL BE ALLOWED TO CLOSE TESUQUE DRIVE AT PAINTED PONY TRAIL AND AT HOMESTEAD CIRCLE UPON DEVELOPING AN APPROVED TRAFFIC CONTROL PLAN THAT INCLUDES A DETOUR WITH APPROPRIATE SIGNING. THIS PLAN IS TO BE APPROVED BY THE CONSTRUCTION COORDINATOR.
3. CONTRACTOR SHALL COORDINATE WITH THE WATER SYSTEMS DIVISION THREE (3) WORKING DAYS PRIOR TO INITIATING ANY WORK AFFECTING EXISTING PUBLIC WATER UTILITIES.
4. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE-CALL SYSTEM, (505)260-1990, 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.
5. 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.
6. 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.
7. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND MAINTAIN IN SERVICE ALL EXISTING UTILITIES.
8. BACKFILL COMPACTION IN STREET AREAS SHALL BE ACCORDING TO SPECIFIED STREET USE.
9. ALL TRENCH BACKFILL OUTSIDE OF STREET AREAS SHALL BE COMPACTED TO A MINIMUM OF 90% MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557.
10. 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.
11. TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE PROJECT ENGINEER.
12. 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.

GENERAL NOTES CONT.

13. 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.
14. 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.
15. CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.
16. 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.
17. 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.

SEE SHEET 2 FOR CONTINUATION OF GENERAL NOTES.

AS-BUILT DRAWINGS
CONSTRUCTION ENGINEER

REV.	SHEETS	CITY ENGINEER	DATE	USER	DEPT.	DATE	USER	DEPT.	DATE

APPROVAL OF REVISIONS

PLANS PREPARED UNDER DIRECTION OF: James Domenick

DATE: 10/23/90

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

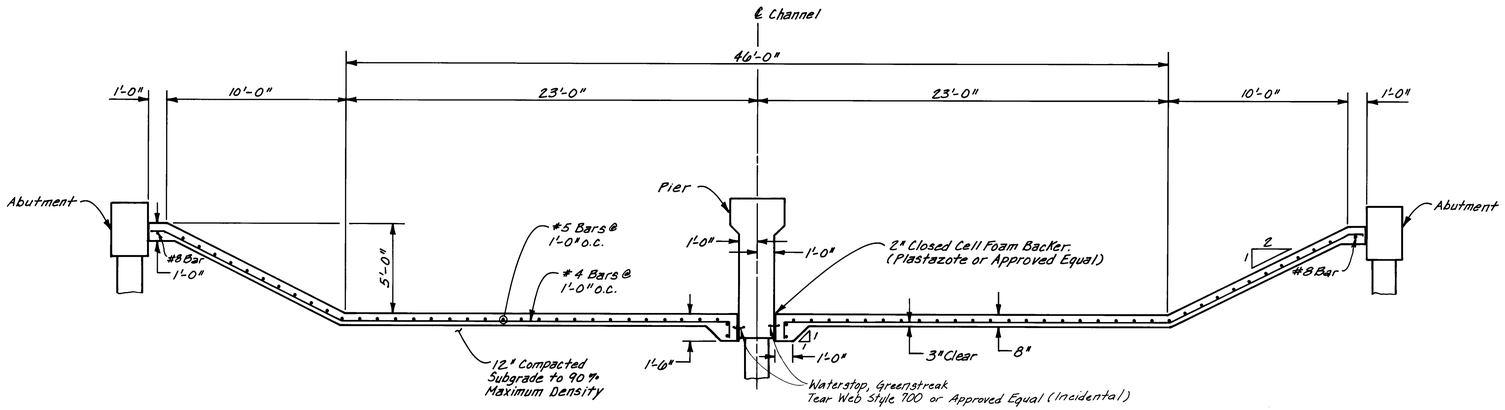
PROJECT NO. 4038

APPROVED FOR CONSTRUCTION

Russell B. Fisher 11-2-90
CITY ENGINEER

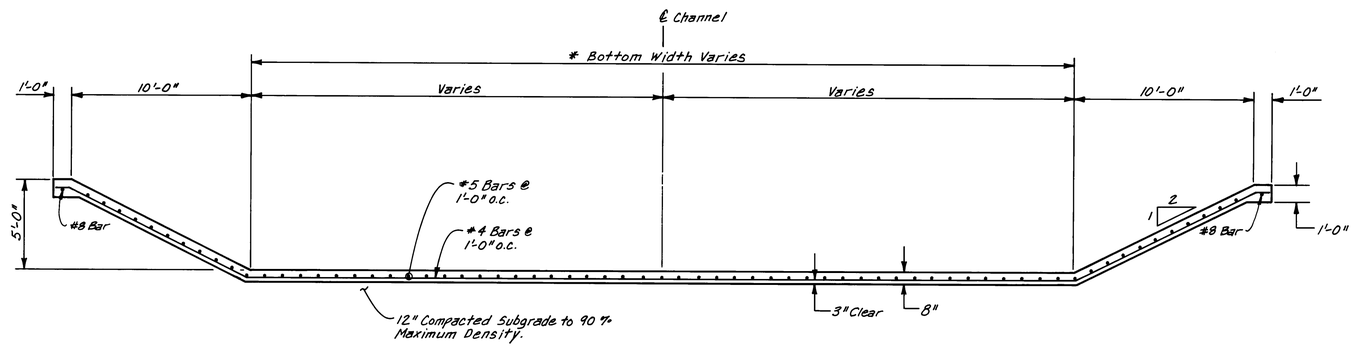
SHEET 1 OF 18

RECORD DRAWING



TYPICAL CHANNEL SECTION

STA. 9+75.00 TO STA. 10+25.00



TYPICAL CHANNEL SECTION

STA. 10+25.00 TO 10+43.00

* 46'-0" Bottom Width From Sta. 10+25.00 to Sta. 10+28.00
* 40'-0" Bottom Width At Sta. 10+43.00

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.

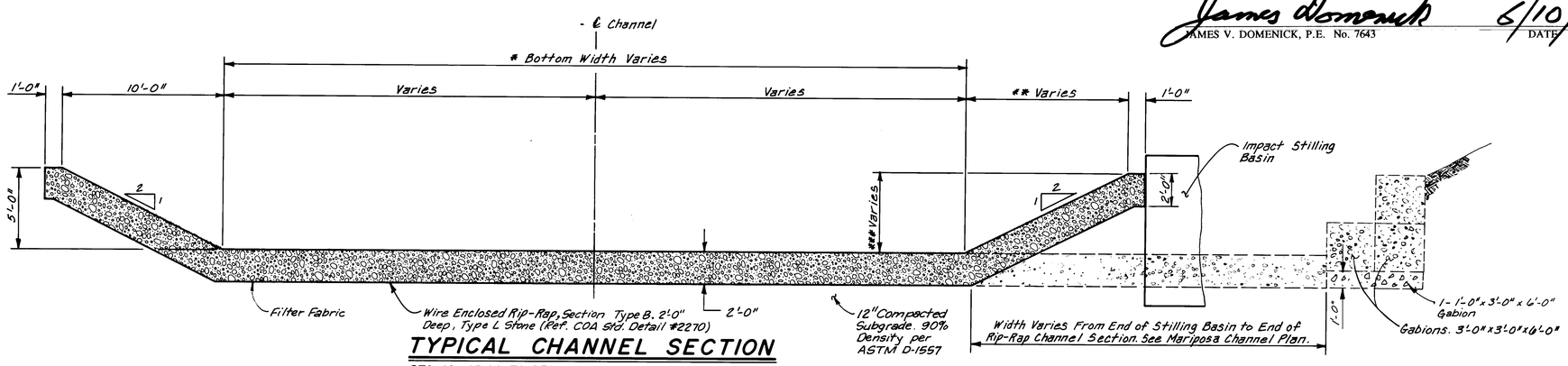
James Domenick 6/10/91

JAMES V. DOMENICK, P.E. No. 7643 DATE

SCANNED BY BY LASON

C of A PWD Maps & Records

1	2	3	4	5	6	7	8	9	10	11	12
2	6		4	0	3	8	0	2	9	1	



TYPICAL CHANNEL SECTION

STA. 10+43.00 TO STA. 11+18.00

* 40'-0" Bottom Width At Sta. 10+43.00
* 30'-0" Bottom Width At Sta. 11+18.00
** Width Varies From 10'-0" At beginning of Stilling Basin to 0'-0" At End of Stilling Basin.
*** Height Varies From 5'-0" At Beginning of Stilling Basin to 0'-0" At End of Stilling Basin.

GENERAL NOTES (CONTINUED)

18. THE CONTRACTOR SHALL PROVIDE A TEMPORARY FENCE AROUND THE ENTIRE PROJECT LIMITS THROUGHOUT THE PERIOD OF CONSTRUCTION. THE PROJECT LIMITS SHALL EXTEND NO MORE THAN 50 FEET NORTH OF THE ROAD RIGHT-OF-WAY, INTO THE FUTURE PETROGLYPH PARK. EQUIPMENT SHALL BE STORED IN THE DRAINAGE RIGHT-OF-WAY SOUTHEAST OF THE NEW BRIDGE, DURING NON-WORKING HOURS.

19. THE CONTRACTOR SHALL MINIMIZE DISTURBANCE WITHIN THE AREA OF THE FUTURE PETROGLYPH PARK. FOLLOWING CONSTRUCTION, THE CONTRACTOR SHALL RETURN THE PARK LAND TO ITS EXISTING GRADE, EXCEPT WHERE NEW FINISHED CONTOURS ARE SHOWN IN THE PLANS. THE EXISTING BOULDERS NEAR THE DIP-SECTION SHALL BE REMOVED. THE CONTRACTOR SHALL ALSO PROVIDE SEEDING OF DISTURBED GROUND WITH NATIVE GRASSES AS DIRECTED BY THE CITY'S PROJECT MANAGER, FOLLOWING COMPLETION OF CONSTRUCTION. SEEDING SHALL BE IN ACCORDANCE WITH THE SUPPLEMENTARY TECHNICAL SPECIFICATIONS.

20. CONSTRUCTION OF THE 60" STORM DRAIN MAY REQUIRE THAT THE CONTRACTOR PROVIDE SHORING OF EITHER THE TRENCH OR THE EXISTING BLOCK WALL AT THE SOUTHWEST CORNER OF THE NEW BRIDGE TO COMPLETE THE CONSTRUCTION. SHORING REQUIREMENTS SHALL BE DETERMINED BY THE CITY'S PROJECT MANAGER. IF SHORING IS REQUIRED, ITS COST SHALL BE INCIDENTAL TO THE CONTRACTOR'S PAYMENT FOR TRENCH AND BACKFILL FOR THE STORM DRAIN.

21. THE PAINT COLOR FOR BRIDGE RAIL SHALL BE "INDIA TAN" AS MANUFACTURED BY WELLBORN PAINT COMPANY (COLOR NUMBER Q5-3811), OR APPROVED EQUAL.

22. THE CONTRACTOR SHALL COORDINATE WITH THE CITY CONSTRUCTION COORDINATOR AND THE CONTRACTOR ON CITY PROJECT NUMBER 3358 (SPECIAL ASSESSMENT DISTRICT #219) TO MAINTAIN ACCESS TO RESIDENCES ON PAINTED PONY DRIVE AT ALL TIMES.

23. NATIVE SEEDING SHALL BE DRYLAND BLEND #G1020 AS AVAILABLE FROM PLANTS OF THE SOUTHWEST, APPLIED AT A RATE OF 30 POUNDS/ACRE. HAY MULCH SHALL BE USED.
THE ENTIRE AREA WITHIN CONSTRUCTION FENCING NEEDS TO BE RESEEDED.

AS BUILT INFORMATION
CONTRACTOR Moore & Conart Const.
WORK STAKED BY C.O.A. DATE
INSPECTORS ACCEPTANCE BY C.O.A. DATE 5/91
FIELD VERIFICATION BY C.O.A. DATE 5/91
DRAWINGS CORRECTED BY AVID Eng. DATE 5/91
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
James Domenick 10/23/90

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN
DESIGNED BY CP DATE 7/90
DRAWN BY RL DATE 7/90
CHECKED BY JD DATE 9/90

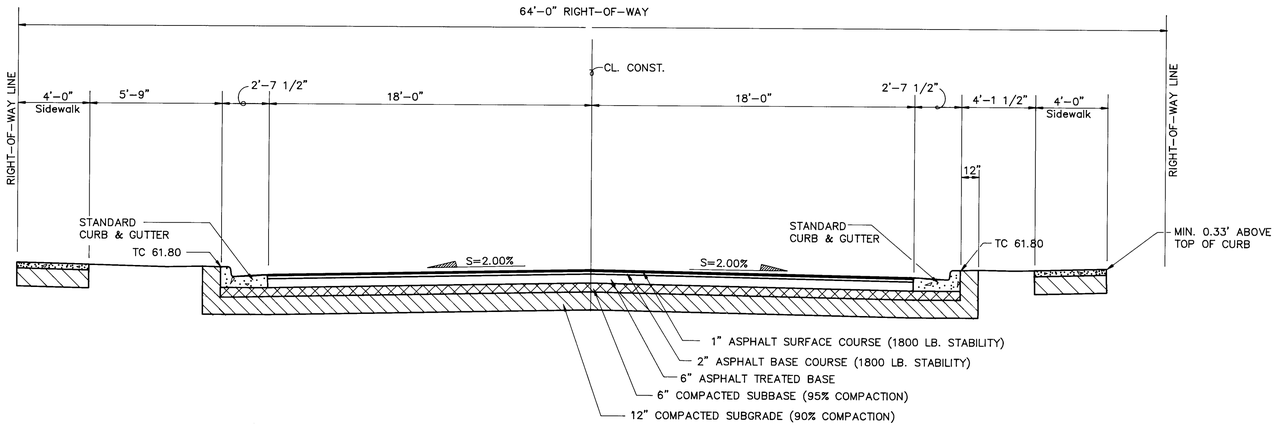
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:
TESUQUE DRIVE AT MARIPOSA ARROYO
TYPICAL CHANNEL SECTIONS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	[illegible]	11/1/90	Water	R.W. Kane	10-19-90
Trans. Dev.	[illegible]	10-19-90	Waste Water	R.W. Kane	10-19-90
~~Utility Dev.~~			Parks & Rec.	D. Sena	11-19-90
Hydrology	[illegible]	11-01-90			

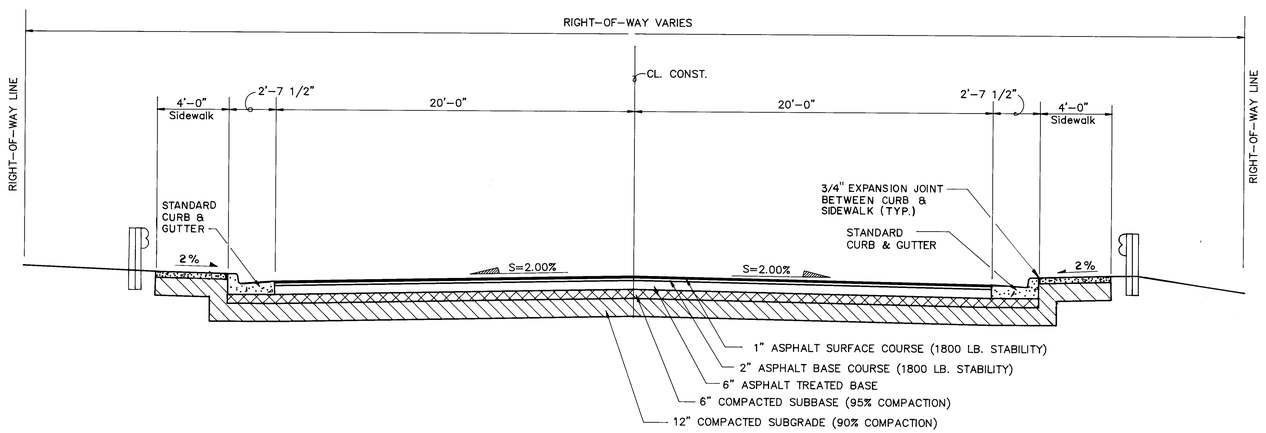
DRAWING NO. 4038 MAP NO. D-11 SHEET 2 OF 18

RECORD DRAWING



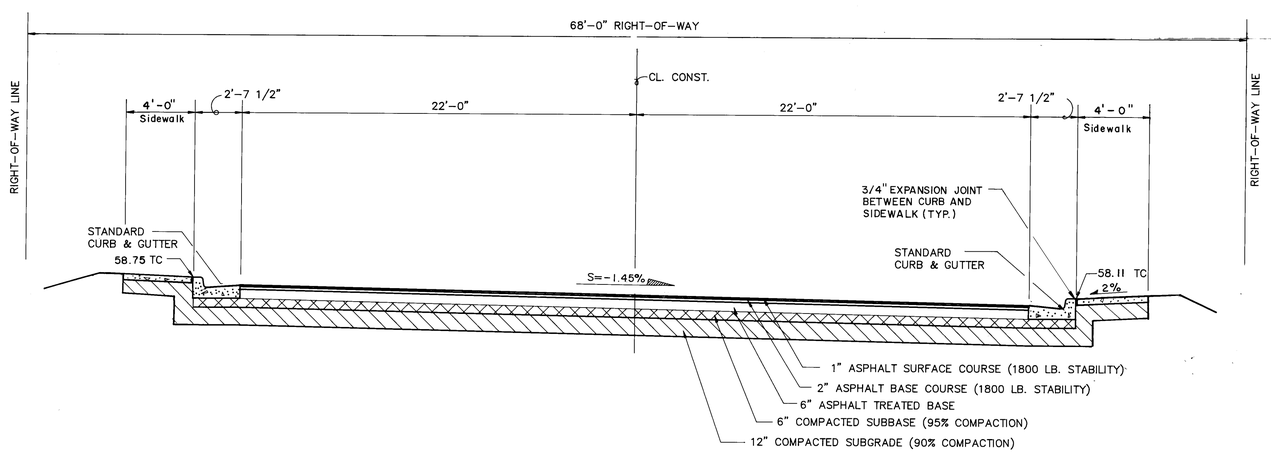
TYPICAL ROADWAY SECTION

STA. 13+19.50



TYPICAL ROADWAY SECTION

STA. 14+17.50 TO STA. 14+32.00 & STA. 15+03.00 TO STA. 15+17.50



TYPICAL ROADWAY SECTION

STA. 16+05.46

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James V. Domenick 6/10/91

JAMES V. DOMENICK, P.E. No. 7643 DATE

SCANNED BY BY LASON

PWD Maps & Records
2 3 4 5 6 7 8 9 10 11 12
2 6 9 0 3 8 0 3 9 1

AS BUILT INFORMATION
CONTRACTOR Moore & Cowart Contr.
WORK STAKED BY C.O.A. DATE
INSPECTOR'S FIELD TOLERANCE BY C.O.A. DATE 5/91
VERIFICATION BY C.O.A. DATE 5/91
DRAWINGS CORRECTED BY AVID Eng. DATE 5/91
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

NO.	BY	DATE	
			ACS BRASS CAP "4-D-11". LOCATED APPX. 700' SOUTH WEST OF RADIUS POINT OF CUL-DE-SAC AT END OF RIDGEWAY DR. STA. IS A 3/4" ALUM. CAP SET FLUSH IN LAVA OUTCROP STAMPED "4-D-11, 1986". TRIG. EL. 5261.00

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
1	EXIST. CONDITIONS SURVEY BY: HUGG SURVEYING INC.	7/90

ENGINEER'S SEAL
James Domenick 10-3-90

NO.	DATE	REMARKS	BY

DESIGN
DESIGNED BY JVD DATE 7/90
DRAWN BY RB DATE 7/90
CHECKED BY CP DATE 9/90

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

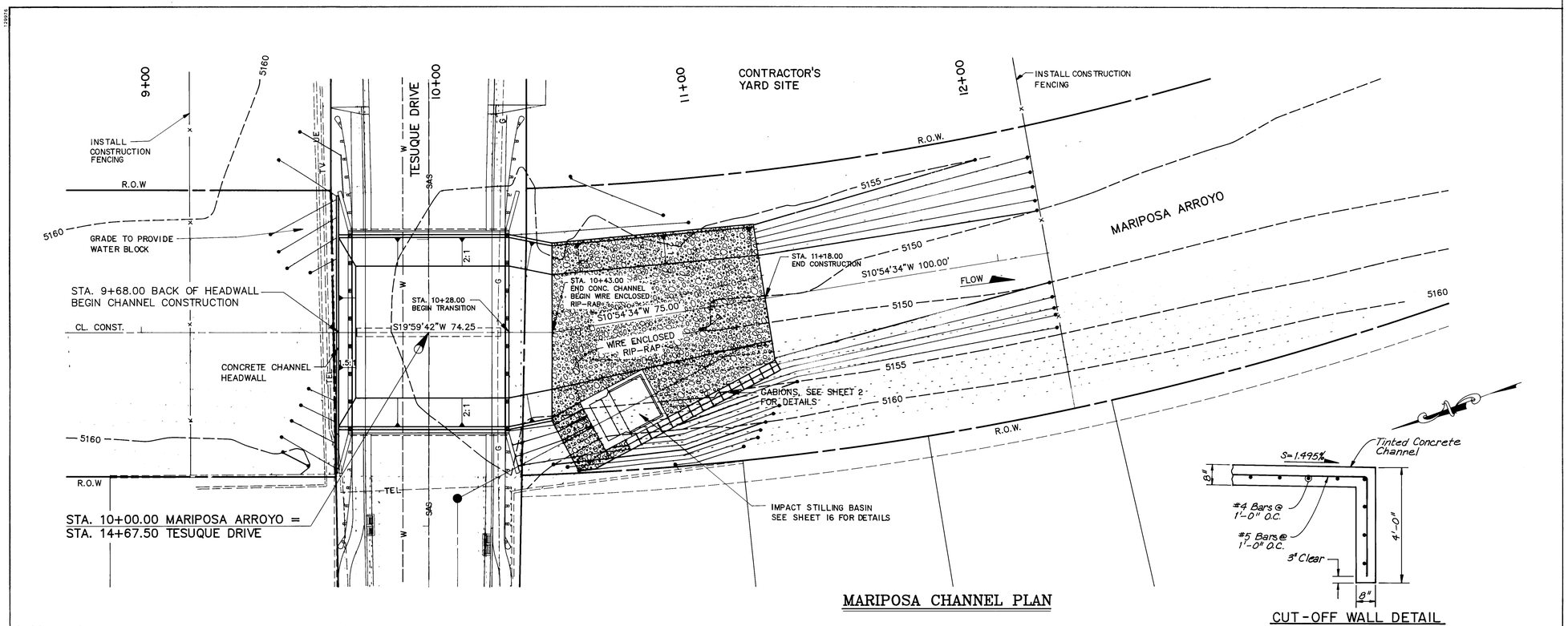
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TESUQUE DRIVE AT MARIPOSA ARROYO
TYPICAL ROADWAY SECTIONS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Roger L. Green	11-1-90	Water	R.W. Kane	10-19-90
Transportation	[illegible]	10-19-90	Waste Water	R.W. Kane	10-19-90
Hydrology	[illegible]	11-01-90	Parks & Rec.	D. Selna	10-19-90

DRAWING NO. 4038 | MAP NO. D-11 | SHEET 3 OF 18

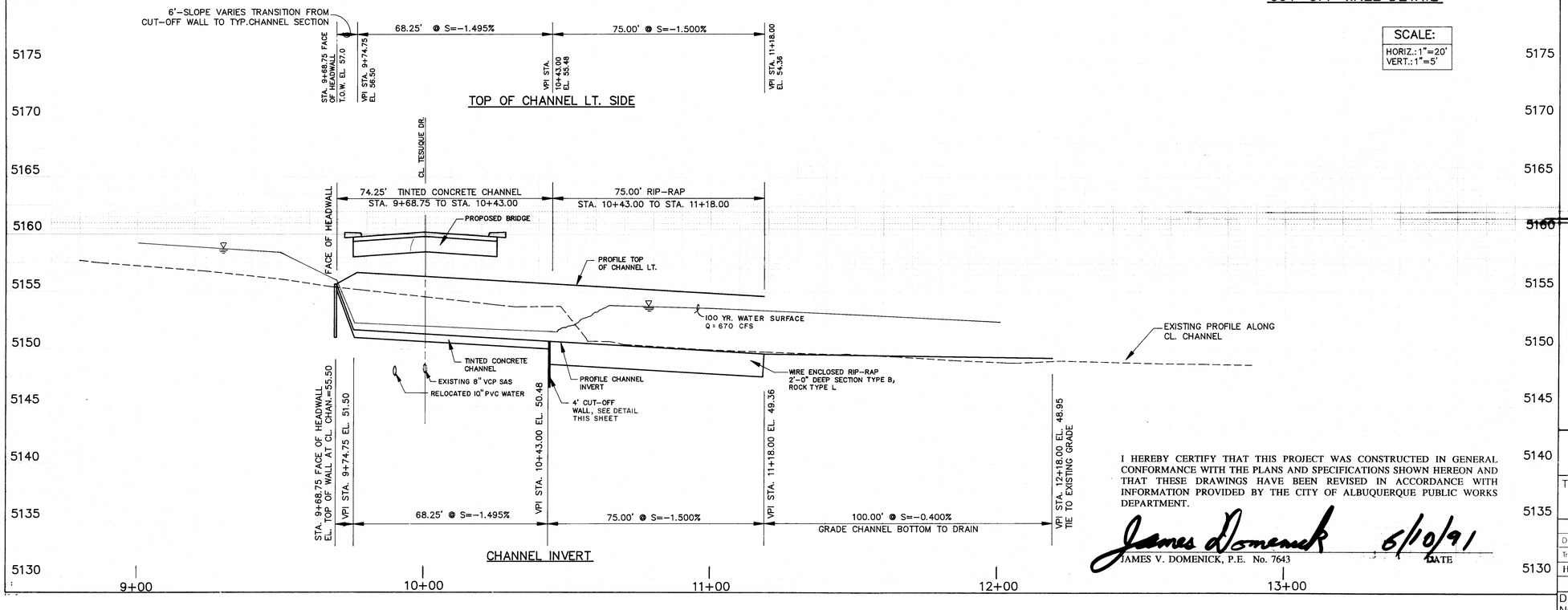
RECORD DRAWING



MARIPOSA CHANNEL PLAN

CUT-OFF WALL DETAIL

SCALE:
HORIZ.: 1"=20'
VERT.: 1"=5'



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James V. Domenick 6/10/91

JAMES V. DOMENICK, P.E. No. 7643 DATE

SCANNED BY BY LASON

C of A PWD Maps & Records
26 4038 0991

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

AS BUILT INFORMATION
DATA FROM Moore & Cowart Const.
A. BY C.O.A. DATE 5/91
INSPECTED BY C.O.A. DATE 5/91
FIELD AS-BUILT ON BY C.O.A. DATE 5/91
DRAWINGS CORRECTED BY AVID Eng. DATE 5/91
MICRO-FILM INFORMATION
MICROFILMED BY DATE
NO.

BENCH MARKS
ACS BRASS CAP "4-D-11". LOCATED APPX. 700' SOUTH WEST OF RADIUS POINT OF CUL-DE-SAC AT END OF RIDGEWAY DR. STA. IS A 3/4" ALUM. CAP SET FLUSH IN LAVA OUTCROP STAMPED "4-D-11, 1986".
TRIG. EL. 5261.00

SURVEY INFORMATION
FIELD NOTES

NO	BY	DATE
1	EXIST. CONDITIONS SURVEY BY HUGG SURVEYING INC.	7/90

ENGINEER'S SEAL
James V. Domenick 10/23/90

NO	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY CP DATE 7/90
DRAWN BY RB DATE 7/90
CHECKED BY JVD DATE 9/90

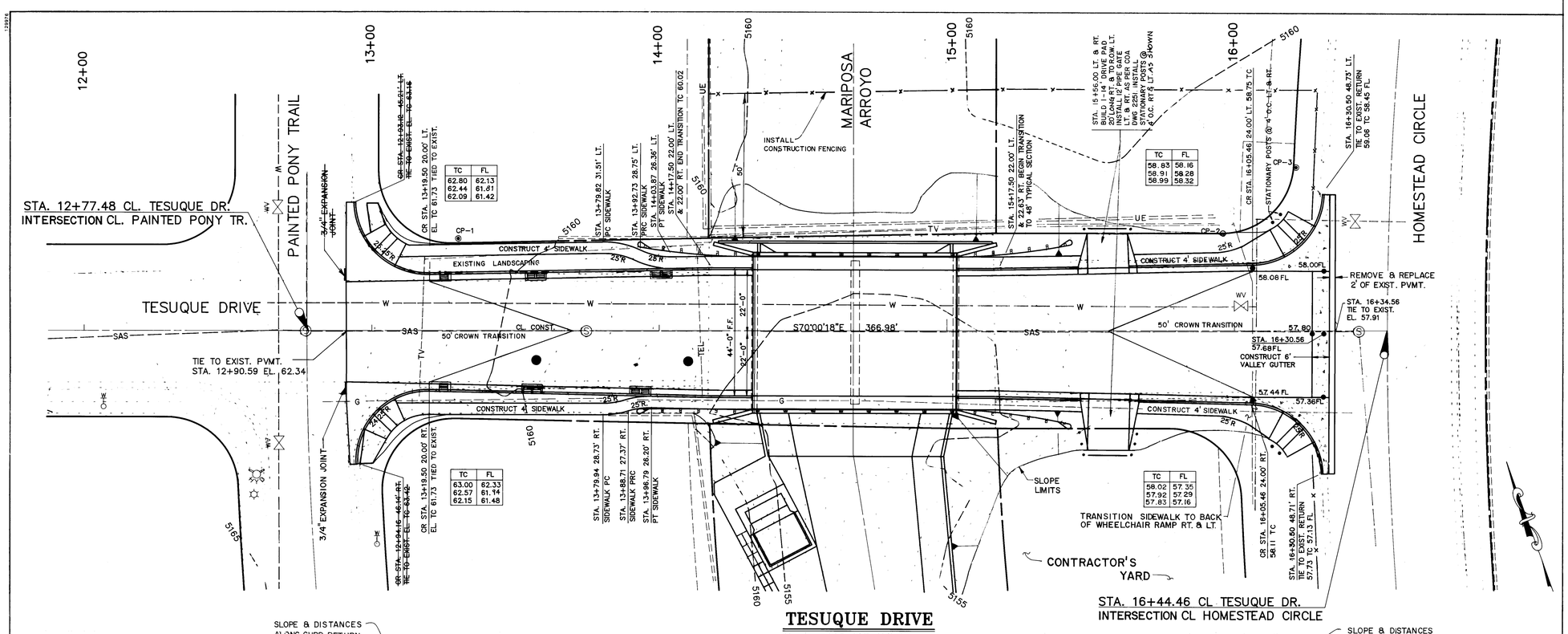
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TESUQUE DRIVE AT MARIPOSA ARROYO
MARIPOSA CHANNEL PLAN & PROFILE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chair	Roger Where	11-1-90	Water	R.W. Kane	10-19-90
Trans. Dev	R. Boyd	10-19-90	Waste Water	R.W. Kane	10-19-90
Hydrology	D. Oleby	10-01-90	Parks & Rec.	D. Glenn	10-19-90

DRAWING NO.	MAP NO.	SHEET	OF
4038	D-11	4	18

RECORD DRAWING



LEGEND

- INDEX CONTOUR
- INTERMEDIATE CONTOUR
- RIGHT-OF-WAY LINE
- EXISTING UTILITY EASEMENT LINE
- EXISITING CURB & GUTTER
- EXISITING RETAINING WALL
- EXISTING SAS MANHOLE
- EXISTING GATE VALVE
- EXISITNG FIRE HYDRANT
- EXISITNG WATER METER
- EXISTING LIGHT POLE
- 59.06 PROPOSED SPOT ELEVATION
- STANDARD WHEELCHAIR RAMP TO BE CONSTRUCTED
- PROPOSED STORM DRAIN MH
- DROP INLET TO BE CONSTRUCTED
- VALLEY GUTTER

SURVEY CONTROL POINTS

CP1 – CAP LS NO. 7002
N. 10,099.89
E. 9,811.83

CP2 – CAP LS NO. 5817
N. 10,010.30
E. 10,062.55

CP3 – CAP LS NO. 5817
N, 10,024.22
E. 10,094.27

STA. 14+67.50 TESUQUE DR.
(CENTER OF BRIDGE)
N. 10,022.20
E. 9,930.53

STA. 12+77.48 TESUQUE DR.
(INTERSECTION W/ PAINTED PONY TR.)
N. 10,087.18
E. 9,751.96

NOTES

1.) REMOVE EXISTING C& G AND SIDEWALK STA. 12+93.74 45.22' LT. TO STA. 16+29.98 48.21' LT. & STA. 12+94.69 46.11' RT. TO STA. 16+29.85 48.11' RT.

2.) REMOVE EXISTING CONCRETE DIP SECTION

3.) TRANSITION FLOWLINE OF CURB & GUTTER 0.09' UP TO MATCH BRIDGE GUTTER FLOWLINE. TRANSITION LENGTH TO BE 30 LINEAR FEET ON EITHER SIDE OF THE BRIDGE. TRANSITION ELEVATIONS ARE AS FOLLOWS:

STATION		TC	FL	℄
14+02.00		60.20	59.53	60.05
14+08.00		60.15	59.48	59.98
14+14.00		60.10	59.43	59.92
14+20.00		60.06	59.39	59.86
14+26.00		60.01	59.34	59.79
14+32.00		59.96	59.29	59.73
15+03.00	RT.	59.24	58.57	59.01
	LT.	59.24	58.57	59.01
15+09.00	RT.	59.17	58.50	58.95
	LT.	59.17	58.51	58.95
15+15.00	RT.	59.09	58.42	58.90
	LT.	59.09	58.45	58.90
15+21.00	RT.	58.98	58.31	58.83
	LT.	59.01	58.34	58.83
15+27.00	RT.	58.92	58.25	58.80
	LT.	58.99	58.32	58.80
15+33.00	RT.	58.86	58.19	58.76
	LT.	58.97	58.30	58.76

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James Domenick 6/10/91
JAMES V. DOMENICK, P.E. No. 7643 DATE

AS BUILT INFORMATION
ACTUAL TIE INFO. FROM Moore & Conart Const.
ACTUAL STAKING BY C.O.A. DATE 5/91
AS BUILT DRAWINGS CORRECTED BY C.O.A. DATE 5/91
DRAWINGS CORRECTED BY AVID Eng. DATE 5/91
MICRO-FILM INFORMATION DATE
RE-LABELED BY
NO.

BENCH MARKS
ACS BRASS CAP "4-D-11". LOCATED APPX. 700' SOUTH WEST OF RADIUS POINT OF CUL-DE-SAC AT END OF RIDGEWAY DR. STA. IS A 3/4" ALUM. CAP SET FLUSH IN LAVA OUTCROP STAMPED "4-D-11, 1986".
TRIG. EL. 5261.00

SURVEY INFORMATION

NO	FIELD NOTES BY	DATE
1	EXIST. CONDITIONS SURVEY BY HUGG SURVEYING INC.	7/90

ENGINEER'S SEAL
James Domenick

NO	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY RB, CP DATE 7/90
DRAWN BY RB DATE 7/90
CHECKED BY JVD DATE 9/90

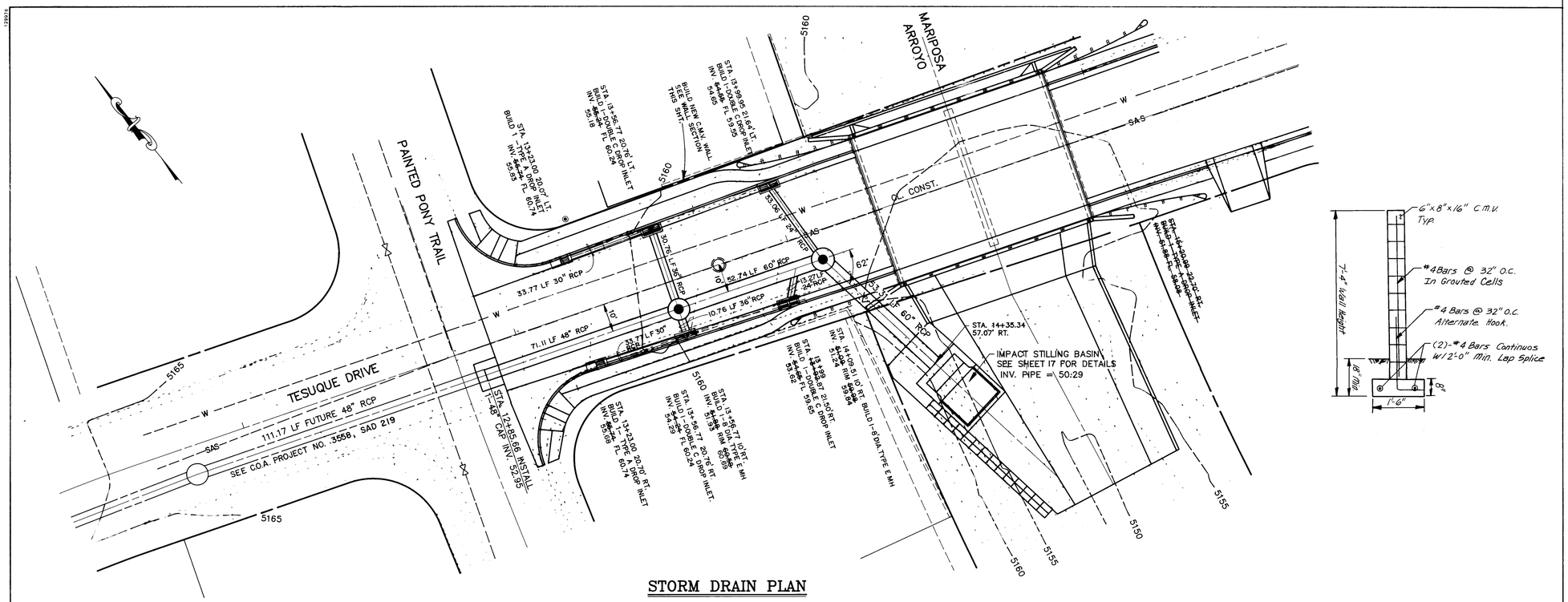
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TESUQUE DRIVE AT MARIPOSA ARROYO
TESUQUE DRIVE PLAN & PROFILE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Roger Kane	11-1-90	Water	R.W. Kane	10-19-90
Trans. Dev	[illegible]	10-19-90	Waste Water	R.W. Kane	10-19-90
Hydrology	[illegible]	10-01-90	Parks & Rec.	[illegible]	10-19-90

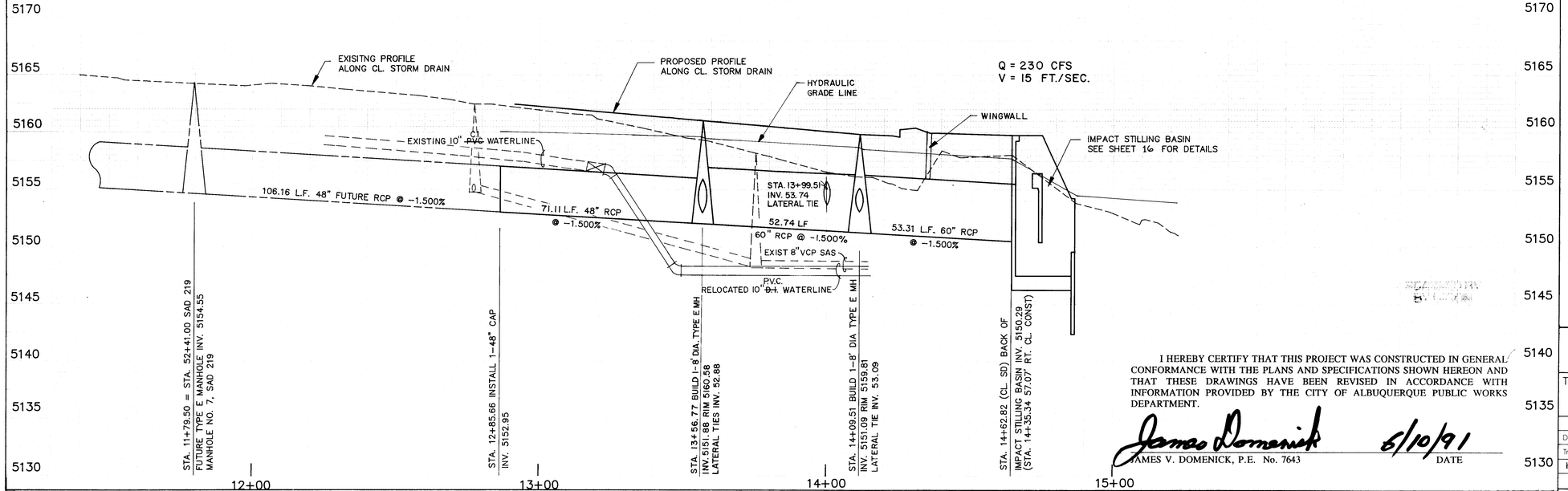
DRAWING NO. 4038 MAP NO. SHEET 5 OF 18

RECORD DRAWING



STORM DRAIN PLAN

SCALE:
HORIZ.: 1"=20'
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 Domenick 6/10/91
JAMES V. DOMENICK, P.E. No. 7643 DATE

LEGEND

- PROPOSED DROP INLET
- PROPOSED STORM DRAIN MANHOLE
- PROPOSED STORM DRAIN

NOTES

1) BEDDING TO BE TYPE B. THE TRENCH SIDES SHALL BE SLOPED TO PROVIDE NOT LESS THAN O.D. OF PIPE PLUS 16" AT INVERT OF PIPE.
2) STATIONS AND OFFSETS SHOWN FOR DROP INLETS ARE CENTER OF DROP INLET AT FACE OF CURB CL. CONST.
3) USE 3/4" PLYWOOD CAP ON 48" RCP AT STA. 12+85.66. CAP IS INCIDENTAL TO THE PIPE FOR PAYMENT.
4) ALL RCP IS TO BE CLASS III
5) CONNECTION OF 24" RCP LATERAL TO 60" RCP TO BE INCIDENTAL TO COST OF PIPE.

C of A PWD Maps & Records
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Albuquerque, NM 87109 – (505) 881-5357

NO	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY RB DATE 7/90
DRAWN BY RB DATE 7/90
CHECKED BY JVD DATE 9/90

ENGINEER'S SEAL: James Domenick 10/23/90

AS BUILT INFORMATION
NTSA Inc. Moore & Cowart Contr.
A. GIS INSPT. BY C.O.A. DATE
AS BUILT PLANS BY C.O.A. DATE 5/91
FIELD VERIFICATION BY C.O.A. DATE 5/91
DRAWINGS COMPILED BY AVID Eng. DATE 5/91
MICRO-FILM INFORMATION
MICROFILMED BY DATE
NO.

BENCH MARKS
ACS BRASS CAP "4-D-11", LOCATED APPX. 700' SOUTH WEST OF RADIUS POINT OF CUL-DE-SAC AT END OF RIDGEWAY DR. STA. IS A 3/4" ALUM. CAP SET FLUSH IN LAVA OUTCROP STAMPED "4-D-11, 1986". TRIG. EL. 5261.00

SURVEY INFORMATION
FIELD NOTES

NO	BY	DATE
1	EXIST. CONDITIONS SURVEY BY HUGG SURVEYING INC.	7/90

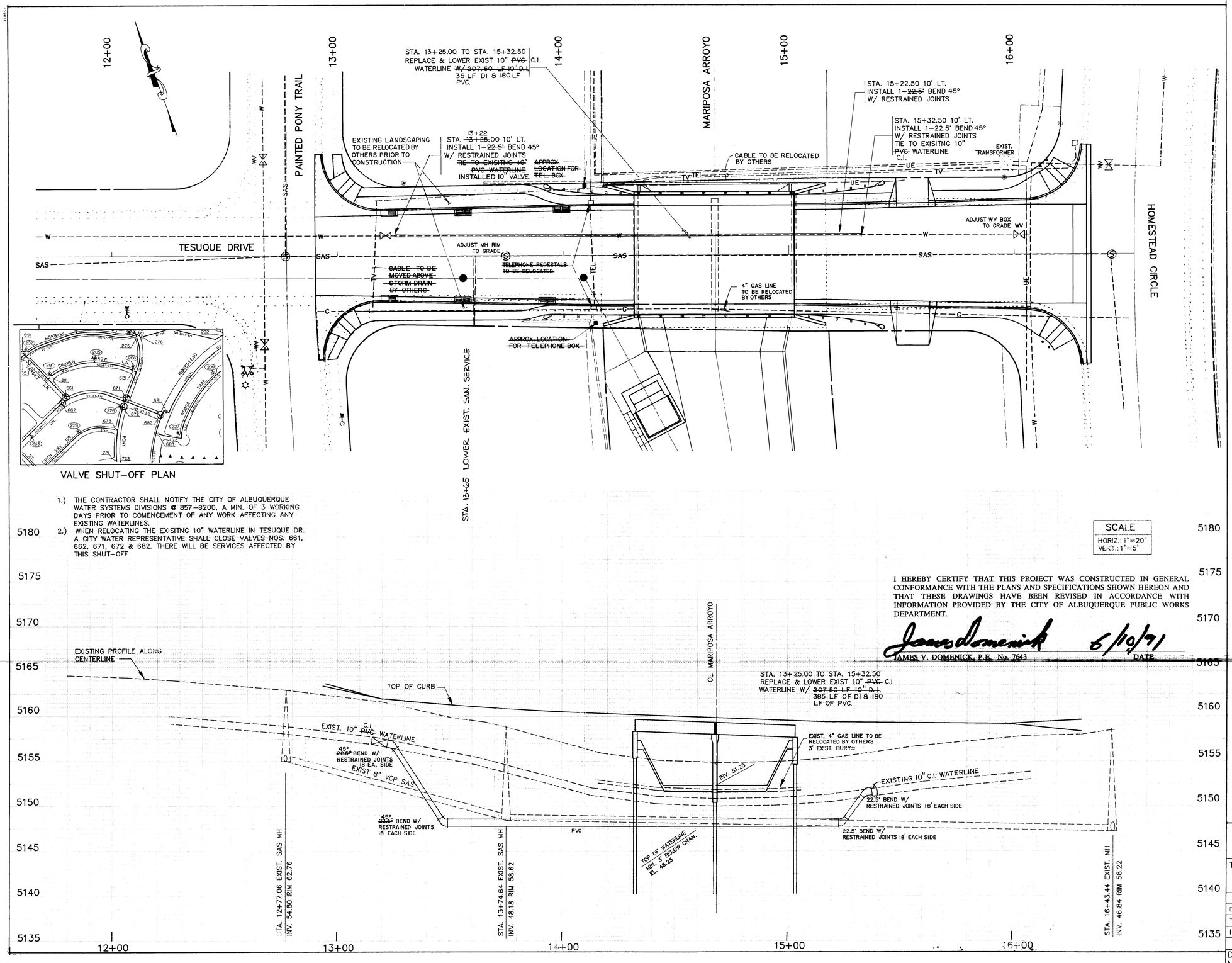
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TESUQUE DRIVE AT MARIPOSA ARROYO STORM DRAIN PLAN & PROFILE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Roger Wilson	11-1-90	Water	R.W. Kane	10-19-90
Trans. Dev	[illegible]	10-19-90	Waste Water	R.W. Kane	10-19-90
Hydrology	[illegible]	10-01-90	Parks & Rec.	D. Selna	10-19-90

DRAWING NO.	MAP NO.	SHEET	OF
4038	D-11	6	18

RECORD DRAWING



LEGEND

- SAS — EXISTING SANITARY SEWER
- W — EXISTING WATER LINE
- G — EXISTING GAS LINE
- T — EXISTING TELEPHONE LINE
- UE — EXISTING UNDERGROUND ELECTRICAL LINE
- TV — EXISTING CABLE TV LINE
- EXISTING SAS MANHOLE
- WV — EXISTING GATE VALVE
- EXISTING FIRE HYDRANT
- EXISTING WATER METER

NOTES

1.) THE LOCATION OF UNDERGROUND UTILITY LINES IS APPROXIMATE ONLY. IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT NEW MEXICO ONE CALL SYSTEM (505) 260-1990 TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION.
2.) THE RELOCATION OF EXISTING UTILITIES BESIDES WATER AND SANITARY SEWER IS THE RESPONSIBILITY OF THE RESPECTIVE UTILITY COMPANIES.
3.) THE CONTRACTOR WILL COORDINATE WITH USWEST FOR THE TIMING OF THE CABLE AND BOX RELOCATION. CONTACT PERSON: BECKY OLESON (505) 245-6694
4.) CABLE TV LINE IN EXISITNG CHANNEL TO BE RELOCATED BY JONES INTERCABLE. CONTRACTOR SHALL COORDINATE THE RELOCATION.
5.) THE PUBLIC SERVICE COMPANY SHALL BE CONTACTED PRIOR TO ANY EXCAVATION IN THE VICINITY OF THE TWO POWER LINES TO NORTH OF THE EXISTING DIP SECTION. CONTACT PERSON: JIM VANN (505) 848-3426. BASED ON AVAILABLE INFORMATION, THE UNDERGROUND ELECTRIC LINES NORTH OF THE BRIDGE ARE AT LEAST 10' DEEP, AND THEREFORE SHOULD NOT CONFLICT WITH THE CHANNEL, THE LINE LOCATED APPROX. 18" WITHIN NORTH EDGE OF EXIST. CONC. IS AT LEAST 9' DEEP BUT MAY CONFLICT WITH THE HEADWALL.

AS BUILT INFORMATION

CONTRACTOR Moore & Conart Const. DATE
WORK STAKED BY C.O.A. DATE
INSPECTIONS
ACCEPTANCE BY C.O.A. DATE 5/91
VERIFICATION BY C.O.A. DATE 5/91
DRAWINGS CORRECTED BY AVID Eng. DATE 5/91
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

ACS BRASS CAP "4-D-11" LOCATED APPX. 700' SOUTH WEST OF RADIUS POINT OF CUL-DE-SAC AT END OF RIDGEWAY DR. STA. IS A 3/4" ALUM. CAP SET FLUSH IN LAVA OUTCROP STAMPED "4-D-11, 1986".
TRIG. EL. 5261.06

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
1	EXIST. CONDIT. & SURVEY BY HUGG SURVEYING	7/90

ENGINEER'S SEAL

James Domenick 10/23/90

NO.	DATE	REMARKS	BY

REVISIONS

DESIGNED BY RB DATE 7/90
DRAWN BY RB DATE 7/90
CHECKED BY JVD DATE 9/90

SCANNED BY BY LASON

C of A PWD Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
2 6 4 0 3 8 0 7 9 1

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TESUQUE DRIVE AT MARIPOSA ARROYO
TESUQUE DRIVE UTILITY RELOCATIONS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Roger Kane	10-1-90	Water	R.W. Kane	10-12-90
Trans. Dev	[illegible]	10-12-90	Waste Water	R.W. Kane	10-12-90
Hydrology	[illegible]	10-01-90	Parks & Rec.	[illegible]	10-12-90

DRAWING NO.	MAP NO.	SHEET	OF
4038	D-11	7	18

RECORD DRAWING

DRAWINGS REQUIRED

	SHEET NO.
BRIDGE GENERAL NOTES & ESTIMATED QUANTITIES	8
BRIDGE PLAN & PROFILE	9
TYPICAL BRIDGE SECTIONS	10
CONCRETE BRIDGE DECK DETAILS	11
SUPERSTRUCTURE BEAM DETAILS	12
ABUTMENT & WINGWALL DETAILS	13
PIER DETAILS	14

METAL RAILING TYPE D CITY OF ALBUQUERQUE DWG. 2604

METAL BARRIER MATERIALS AND PLACEMENT PROCEDURES
CITY OF ALBUQUERQUE DWG. 2610

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

DESIGN DATA

DESIGN IS IN ACCORDANCE WITH AASHTO SPECIFICATIONS 1989 EDITION AND CURRENT INTERIMS.

DESIGN STRESSES: STRUCTURAL STEEL–AASHTO M–183, FS=20,000. PSI FY=36,000 PSI

REINFORCED CONCRETE:
SUPERSTRUCTURE: F'C=4,000. PSI AT 28 DAYS
FC=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: 30 LBS./CU. FT. EQUIVALENT FLUID PRESSURE AND 2 FT. SURCHARGE.

WIND VELOCITY: 80 MPH

MAXIMUM COMPUTED PILE LOAD.

ABUT. NO. 1 27.1 TONS
PIER NO. 1 37.1 TONS
ABUT. NO. 2 27.1 TONS

PRESTRESSED CONCRETE:
BEAMS: FCI (MIN. COMP. STRENGTH OF CONCRETE AT TIME OF INITIAL PRESTRESS) =4,750 P.S.I.
F'C=5,500 P.S.I.
N=7, 1/2" DIA. HIGH TENSILE STRENGTH 7 WIRE STRANDS
INITIAL PRESTRESS=28,910 LBS/STRAND
F'S=41,300 LBS/STRAND, FY=35,100 LBS/STRAND
FSE=23,170 LBS/STRAND, PRESTRESS LOSS=5,750 LBS/STRAND

ESTIMATED QUANTITIES

ITEM NO.	ITEM	UNIT	SUPER STRUCT.	SUB STRUCTURE ABUT. NO. 1	SUB STRUCTURE PIER	SUB STRUCTURE ABUT. NO. 2		TOTAL
	PRECAST/PRESTRESSED BEAM UNITS–16"X60"	LIN. FT.	703					703
	SUPERSTRUCTURE CONCRETE CLASS A	CU. YDS.	75					75
	METAL RAILING TYPE D	LIN. FT.	142					142
	AUGERED CAST–IN–PLACE CONCRETE PILES	LIN. FT.		240	350	240		830
	SUBSTRUCTURE CONCRETE, CLASS A	CU. YDS.		21	41	21		83
	METAL BARRIER	LIN. FT.		75		75		150
	METAL BARRIER TYPE "C" END ANCHORAGE	EACH		2		2		4

GENERAL NOTES

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 SHOWN ON THE PLANS ARE FOR DESIGNERS ONLY. THE ENGINEER IS NOT RESPONSIBLE FOR ANY INTERPRETATIONS OR ASSUMPTIONS MADE BY THE CONTRACTOR BASED ON THIS INFORMATION.
6. CONTRACTOR SHALL VERIFY IN THE FIELD ALL DIMENSIONS, ELEVATIONS AND DETAILS PERTAINING TO ANY EXISTING STRUCTURES 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 THEREFORE.
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 AASHTO M–70, TYPE 1, CLASS B. PAINT COLOR SAMPLES SHALL BE SUBMITTED TO THE CITY FOR APPROVAL.
9. BEAMS SHALL CONFORM TO CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS SECTION 512, PRECAST PRESTRESSED CONCRETE MEMBERS.
10. DECK SLAB SURFACE TEXTURE SHALL CONSIST OF A BROOMED FINISH APPLIED TO THE PLASTIC CONCRETE FOLLOWED BY GROOVING OF THE HARDENED CONCRETE. GROOVING SHALL BE DONE IN ACCORDANCE WITH THE NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS AS MODIFIED BY APPROPRIATE SUPPLEMENTAL SPECIFICATIONS OR SPECIAL PROVISIONS, EXCEPT THAT THE LINSEED OIL AND MINERAL SPIRITS MIXTURE SHALL NOT BE APPLIED TO THE GROOVED SURFACE. GROOVING OF HARDENED CONCRETE SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO DIRECT PAYMENT WILL BE MADE THEREFORE.

SUPPLEMENTAL SPECIFICATIONS

SPECIFICATION FOR AUGER–PRESSURE GROUTED PILING INSTALLATION

INCIDENTAL ITEMS

1. ELASTOMERIC BEARING PAD
2. NON–SHRINK GROUT FOR VOIDED SLAB
3. PREFORMED BITUMINOUS JOINT FILLER
4. EMBEDDED AND ATTACHED STRUCTURAL STEEL (INCLUDING LATERAL TIE BOLTS)
5. SIDEWALK CULVERTS

NOTE:
1.) 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.

2.) STEEL PLATE COVERS ON SIDEWALK CULVERTS TO BE PAINTED THE SAME COLOR AS THE BRIDGE RAILING. "INDIA TAN" WELLBORN Q5-38T OR APPROVED EQUAL.

SCANNED BY
BY LASON

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Albuquerque, NM 87109 – (505) 881-5357

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James Domenick 6/10/91
JAMES V. DOMENICK, P.E. No. 7643 DATE

AS BUILT INFORMATION
CONTRACTOR Moore & Cowart Contr.
WORK STAKED BY C.O.A. DATE 5/91
AS-BUILTS ACCEPTANCE BY C.O.A. DATE 5/91
FIELD VERIFICATION BY C.O.A. DATE 5/91
DRAWINGS CORRECTED BY AVID Eng. DATE 5/91
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
James V. Domenick 10-23-90

NO.	DATE	REMARKS	BY

DESIGN
DESIGNED BY CP DATE 7/90
DRAWN BY RL DATE 7/90
CHECKED BY DW DATE 9/90

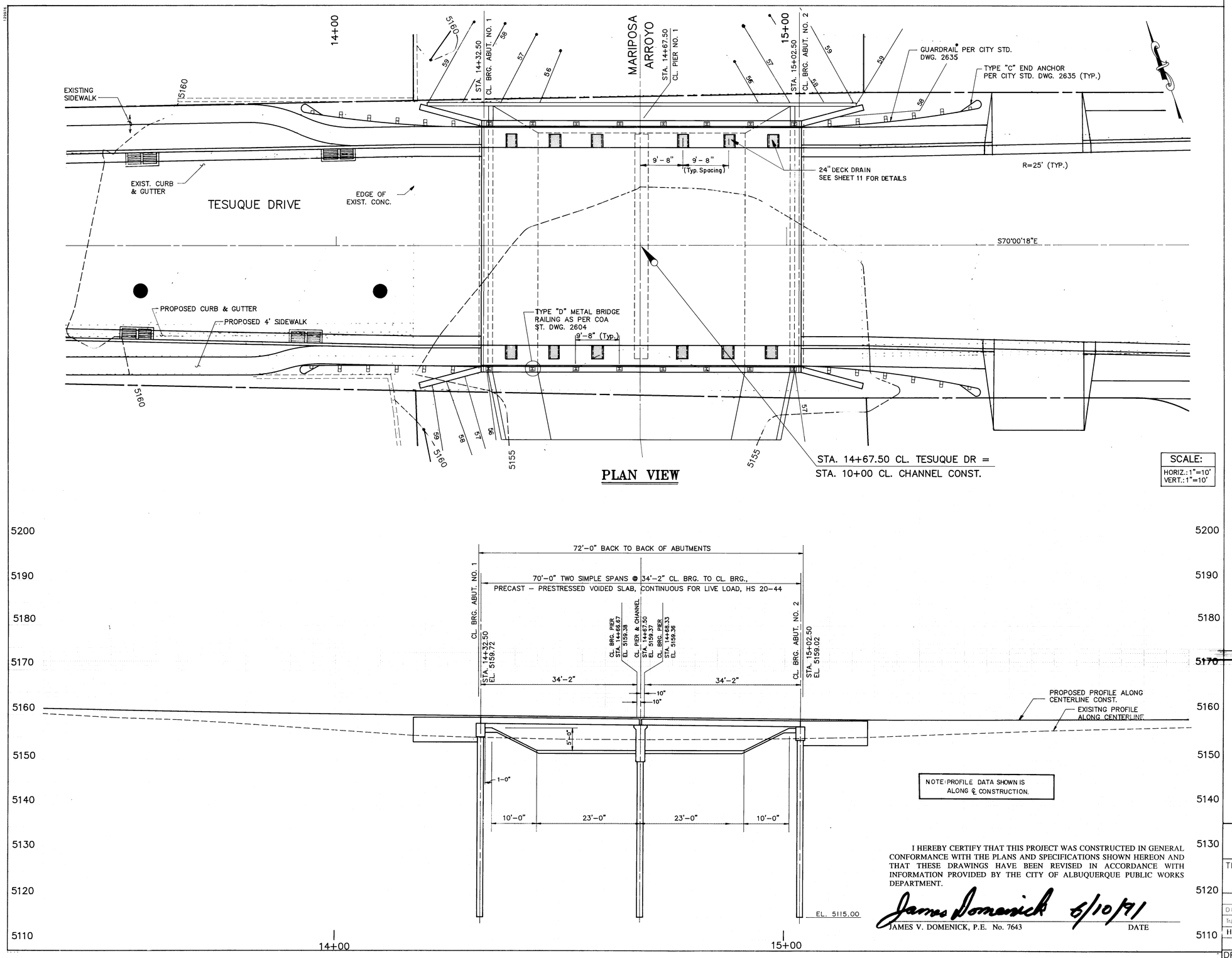
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TESUQUE DRIVE AT MARIPOSA ARROYO
BRIDGE GENERAL NOTES & ESTIMATED QUANTITIES

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Roger Nelson	11-1-90	Water	R.W. Kane	10-19-90
Transportation	[illegible]	10-19-90	Waste Water	R.W. Kane	10-19-90
Hydrology	[illegible]	10-01-90	Parks & Rec.	D. Silva	10-19-90

DRAWING NO. 4038 MAP NO. D-11 SHEET NO. 8 NO. 18

RECORD DRAWING



PLAN VIEW

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

NOTE: PROFILE DATA SHOWN IS ALONG ℄ CONSTRUCTION.

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 Domenick 6/10/91

JAMES V. DOMENICK, P.E. No. 7643 — DATE

AS BUILT INFORMATION
Moore & Cowart Contr.
C.O.A. DATE 5/91
C.O.A. DATE 5/91
AVID Eng. DATE 5/91
MICRO-FILM INFORMATION

BENCH MARKS
ACS BRASS CAP "4-D-11", LOCATED APPX. 700' SOUTH WEST OF RADIUS POINT OF CUL-DE-SAC AT END OF RIDGEWAY DR. STA. IS A 3/4" ALUM. CAP SET FLUSH IN LAVA OUTCROP STAMPED "4-D-11, 1986".
TRIG. EL. 5261.00

SURVEY INFORMATION

NO	FIELD NOTES	BY	DATE
1	EXIST. CONDITIONS SURVEY	BY HUGG SURVEYING INC.	7/90

ENGINEER'S SEAL
James Domenick 10/23/90

NO	DATE	REMARKS	BY
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SCANNED BY BY LASON

C of A PWD Maps & Records
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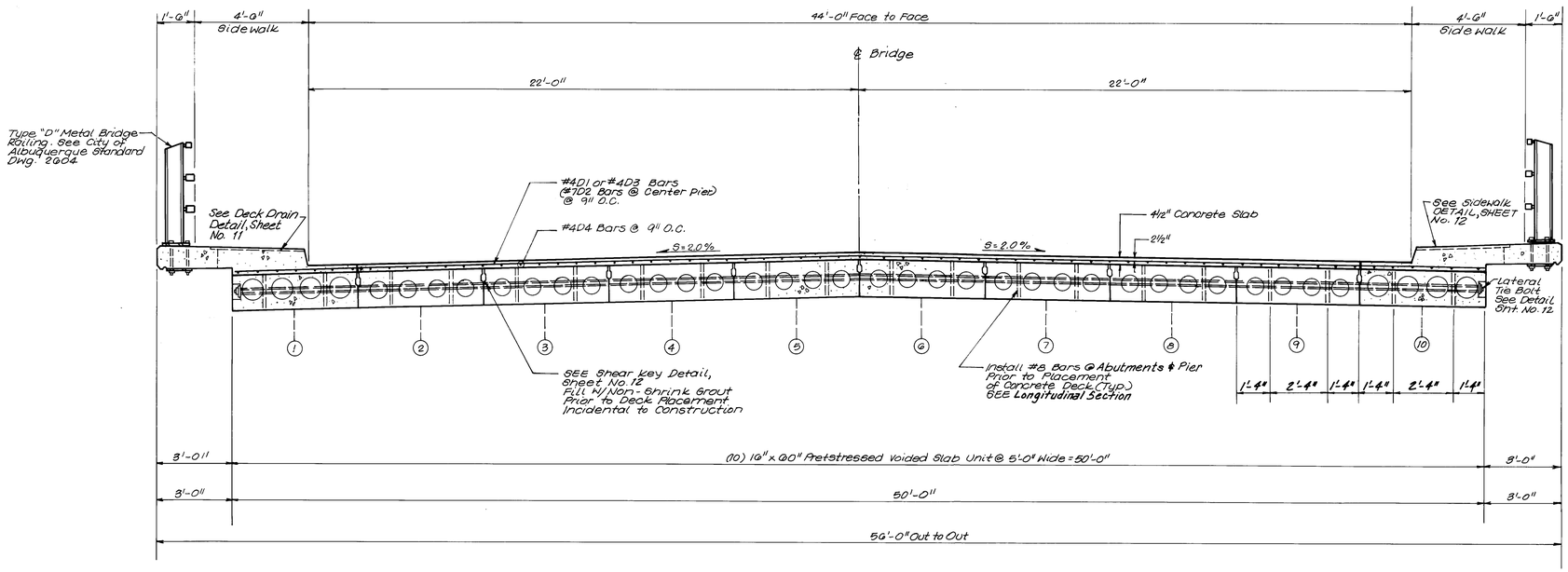
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TESUQUE DRIVE AT MARIPOSA ARROYO
BRIDGE PLAN & PROFILE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC Chair	Roger Green	11-1-90	Water	R.W. Kane	10-19-90
Trans Dev	R. L. Smith	10-19-90	Waste Water	R.W. Kane	10-19-90
Hydrology	D. Alley	10-01-90	Parks & Rec.	Dolina	10-19-90

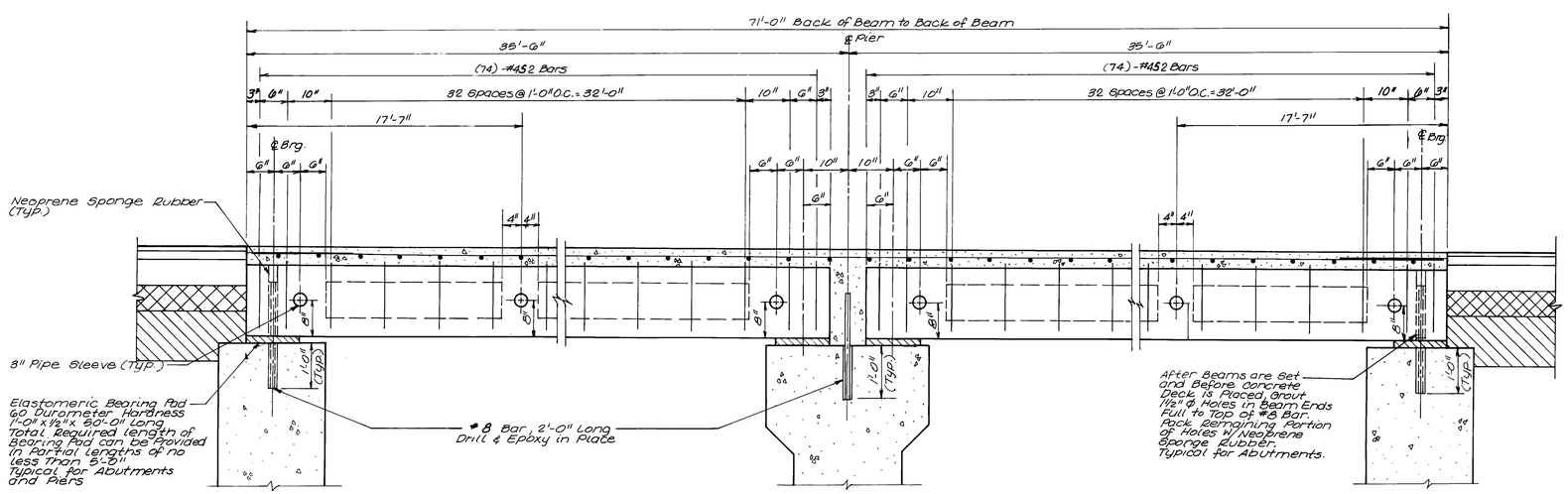
DRAWING NO.	MAP NO.	SHEET	OF
4038	D-11	9	18

RECORD DRAWING



TRANVERSE SECTION

No Scale



LONGITUDINAL SECTION

No Scale

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James Domenick 6/10/91

JAMES V. DOMENICK, P.E. No. 7643 DATE

AS BUILT INFORMATION

CONTRACTOR Moore & Cowart Contr.
WORK STAKED BY C.O.A. DATE
INSPECTOR'S ACCEPTANCE BY C.O.A. DATE 5/91
FIELD VERIFICATION BY C.O.A. DATE 5/91
DRAWINGS CORRECTED BY AVID Eng. DATE 5/91
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

James Domenick 10/23/90

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY CP DATE 7/90
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CHECKED BY DW DATE 9/90

SCANNED BY BY LASON

City of Albuquerque Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
2 6 4 0 3 8 1 0 9 1 1

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Albuquerque, NM 87109 • (505) 881-5357

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:
TESUQUE DRIVE AT MARIPOSA ARROYO
TYPICAL BRIDGE SECTIONS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Roger L. Brown	11-1-90	Water	R.W. Kane	10-19-90
Trans. Dev	R. Wade	10-19-90	Waste Water	R.W. Kane	10-19-90
~~Utility Dev.~~	R. Alley	10-01-90	Parks & Rec.	D. Sellers	10-19-90
Hydrology					

DRAWING NO.	MAP NO.	SHEET	OF
4038	D-11	10	18

RECORD DRAWING

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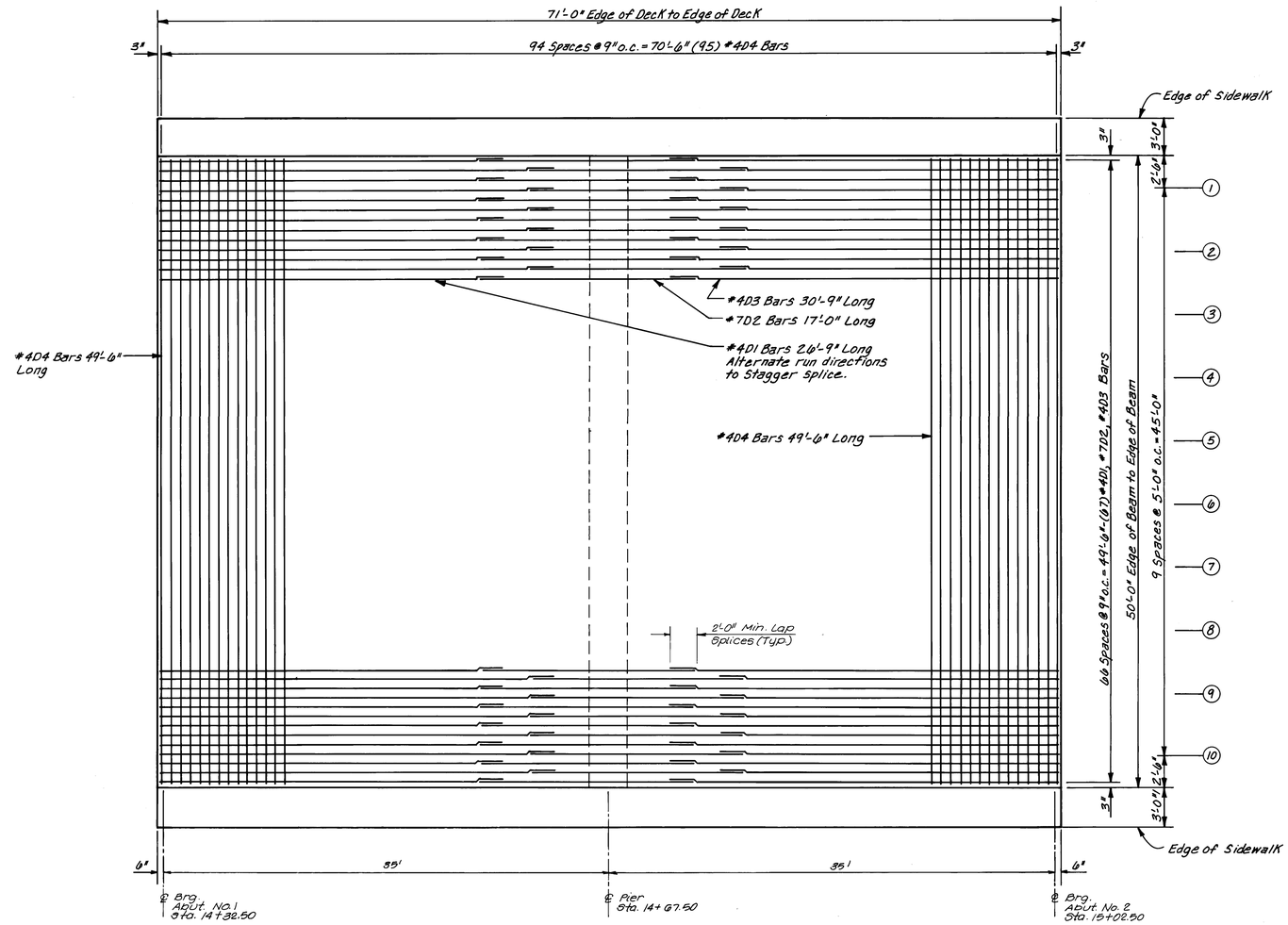
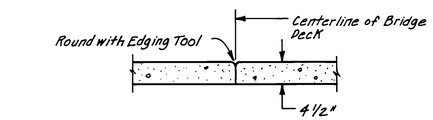
James V. Domenick 6/10/91

JAMES V. DOMENICK, P.E. No. 7643 DATE

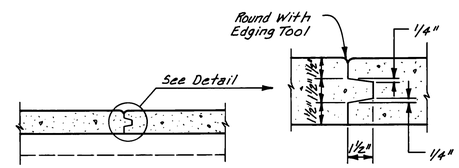


DECK REINFORCMENT PLAN

NO SCALE



PERMISSIBLE LONGITUDINAL CONSTRUCTION JOINT

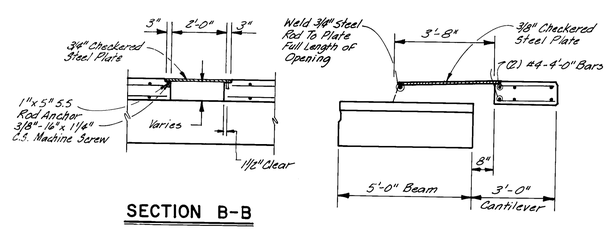


TRANSVERSE CONSTRUCTION JOINT

EPOXY COATED GRADE 60 BARS				
BAR	TYPE	SIZE	LENGTH	NO. REQ.
#4D1	1	4	26'-9"	67
#7D2	1	7	17'-0"	67
#4D3	1	4	30'-9"	67
#4D4	1	4	40'-0"	95

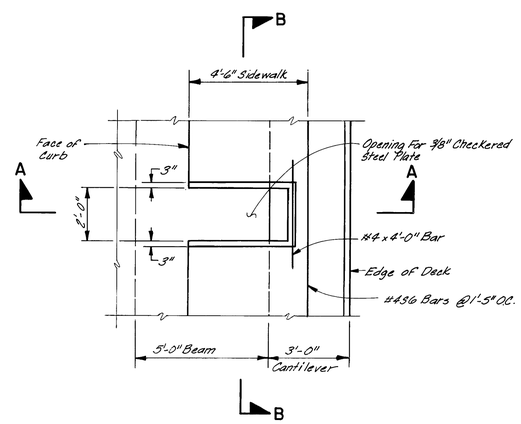
Length

①



SECTION B-B

SECTION A-A



PLAN 24" DECK DRAIN AT SIDEWALK

SCANNED BY LASON

CONTRACT NUMBER

2	6	4	0	3	8	1	1	9	1	

AVID ENGINEERING, INC.
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RECORDED BY DATE
NO

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

DESIGNED BY CP	DATE 7/90	
DRAWN BY RL	DATE 7/90	
CHECKED BY DW	DATE 9/90	

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:
TESUQUE DRIVE AT MARIPOSA ARROYO
CONCRETE BRIDGE DECK DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Roger Nelson	11-1-90	Water	R.W. Kane	10-19-90
Trans. Dev.	R. Louck	10-18-90	Waste Water	R.W. Kane	10-19-90
~~Utility Dev.~~			Parks & Rec.	D. Serna	10-19-90
Hydrology	H. Ahlen	10-01-90			

DRAWING NO.	MAP NO.	SHEET	OF
4038	D-11	11	18

RECORD DRAWING

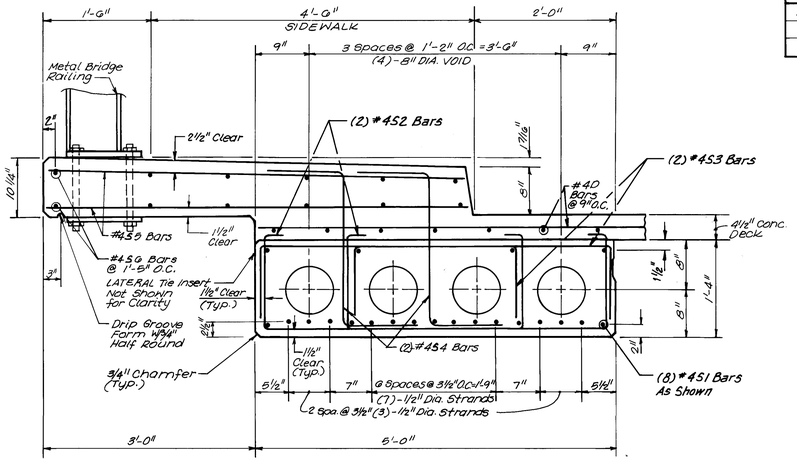
* ESTIMATED QUANTITIES FOR ONE EXTERIOR BEAM AND BEAM DATA								
BEAM TYPE	CONCRETE	REINFORCING STEEL		EMBEDDED STRUCT. STEEL**	WEIGHT	CAMBER	DEAD LOAD DEFLECTION	REMARKS
		1/2" STRAND	REBAR					
16" x 60"	6.9 CY	238 LBS	2992 LBS	110 LBS	15.64 TONS	1/4"	1/4"	

* Quantities are for Exterior Beam only And do Not Include Quantities for Concrete Deck & Sidewalk. (4)-Required

** Incidental to Construction.

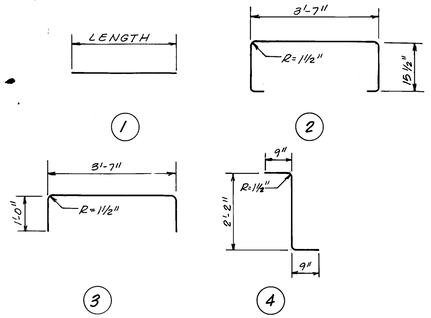
REINFORCING STEEL REQUIRED FOR ONE EXTERIOR BEAM						
BAR	TYPE	SIZE	LENGTH	NUMBER		
451	1	4	34'-8"	16		
452	2	4	6'-8"	148		
453	3	4	5'-7"	148		
454	4	4	3'-8"	148		
455	1	4	5'-8"	148		
456	1	4	36'-6"	20		

(4)-Required

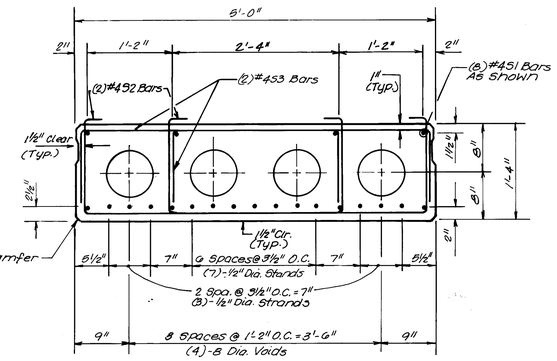


SIDEWALK & EXTERIOR BEAM DETAILS

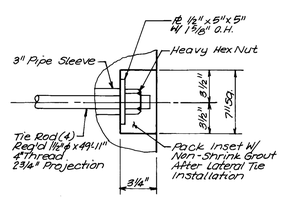
No Scale



BAR BENDING DIAGRAM

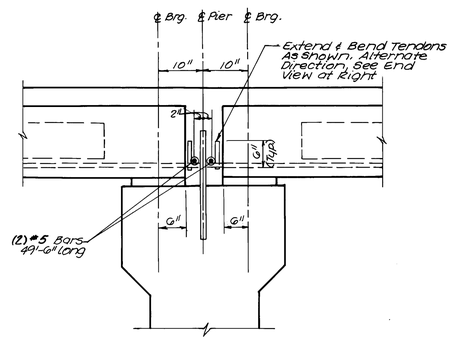


TYPICAL INTERIOR BEAM DETAIL

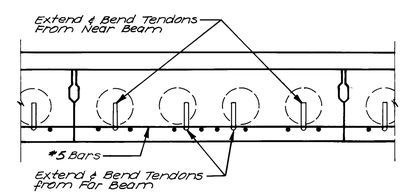


LATERAL TIE & INSET

No Scale



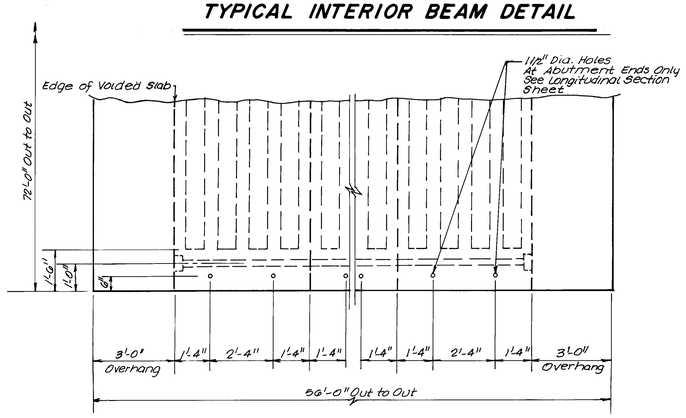
ELEVATION



END VIEW

PIER CONNECTION DETAIL

No Scale



PLAN VIEW

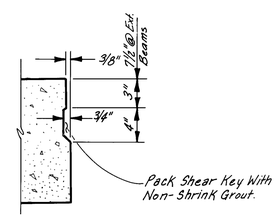
No Scale

ESTIMATED QUANTITIES FOR ONE INTERIOR BEAM AND BEAM DATA								
BEAM TYPE	CONCRETE	REINFORCING STEEL		EMBEDDED STRUCT. STEEL	WEIGHT	CAMBER	DEAD LOAD DEFLECTION	REMARKS
		1/2" STRAND	REBAR					
16" x 60"	6.9 CY.	238 LBS.	1582 LBS.	102 LB.	14.93 TONS	1/4"	1/4"	

(16)-Required

REINFORCING STEEL REQUIRED FOR ONE INTERIOR BEAM						
BAR	TYPE	SIZE	LENGTH	NUMBER		
451	1	4	34'-8"	16		
452	2	4	6'-8"	148		
453	3	4	5'-7"	148		

(16) Required



SHEAR KEY DETAIL

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 6/10/91

JAMES V. DOMENICK, P.E. No. 7643 DATE

AS BUILT INFORMATION
CONTRACTOR Moore & Comart Contr.
WORK STAKED BY C.O.A. DATE
INSPECTOR'S ACCEPTANCE BY C.O.A. DATE 5/91
FIELD VERIFICATION BY C.O.A. DATE 5/91
DRAWINGS CORRECTED BY AVID Eng. DATE 5/91
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY CP DATE 7/90
DRAWN BY RL DATE 7/90
CHECKED BY DW DATE 9/90

SCANNED BY BY LASON

2/6 4 0 1 3 8 1 2 9 1

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:
TESUQUE DRIVE AT MARIPOSA ARROYO
SUPERSTRUCTURE BEAM DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair		11-1-90	Water	R.W. Kane	10-19-90
Trans. Dev.		10-19-90	Waste Water	R.W. Kane	10-19-90
~~Utility Dev.~~			Parks & Rec.	D. Gilmer	10-19-90
Hydrology		11-01-90			

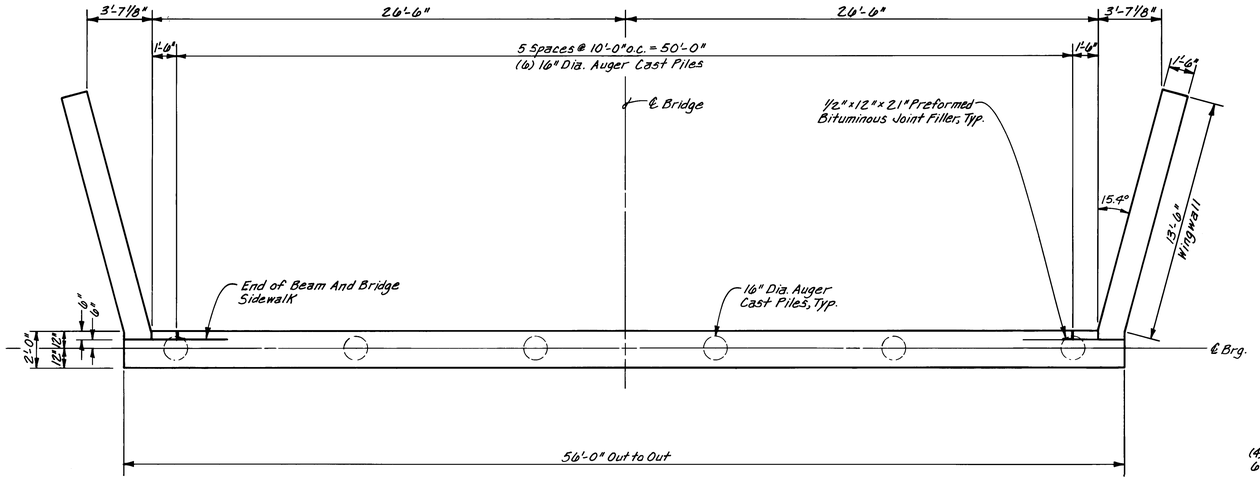
DRAWING NO. 4038 MAP NO. D-11 SHEET 12 OF 18

RECORD DRAWING

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.

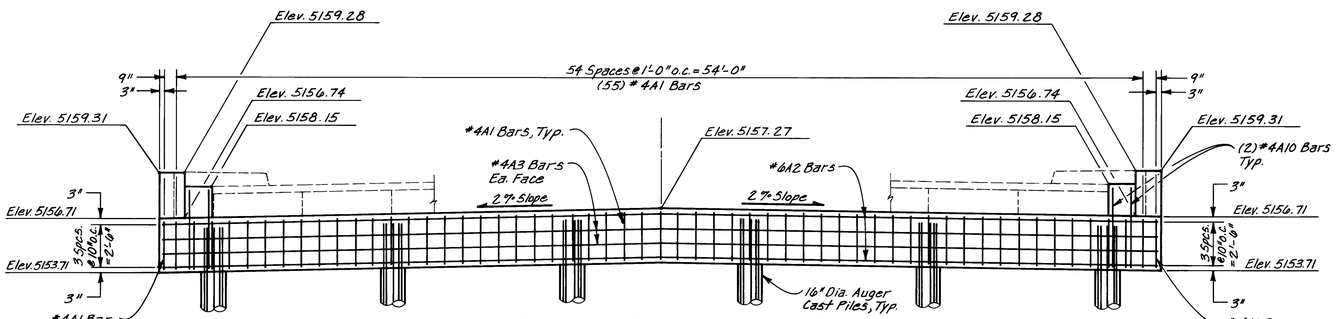
James Domenick 6/10/91

JAMES V. DOMENICK, P.E. No. 7643 DATE



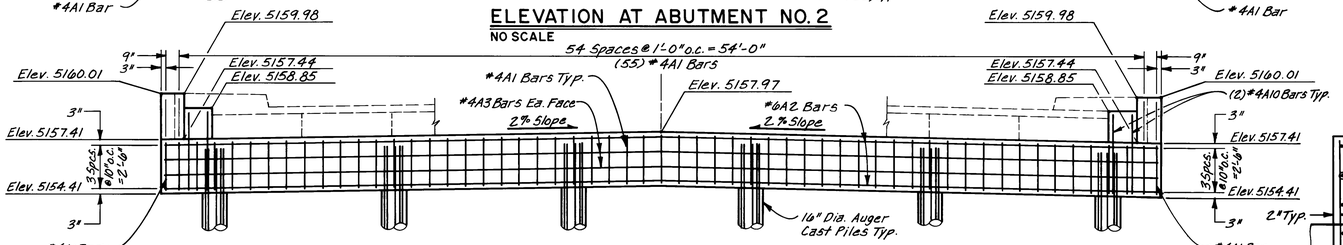
PLAN AT ABUTMENT NO. 2

NO SCALE



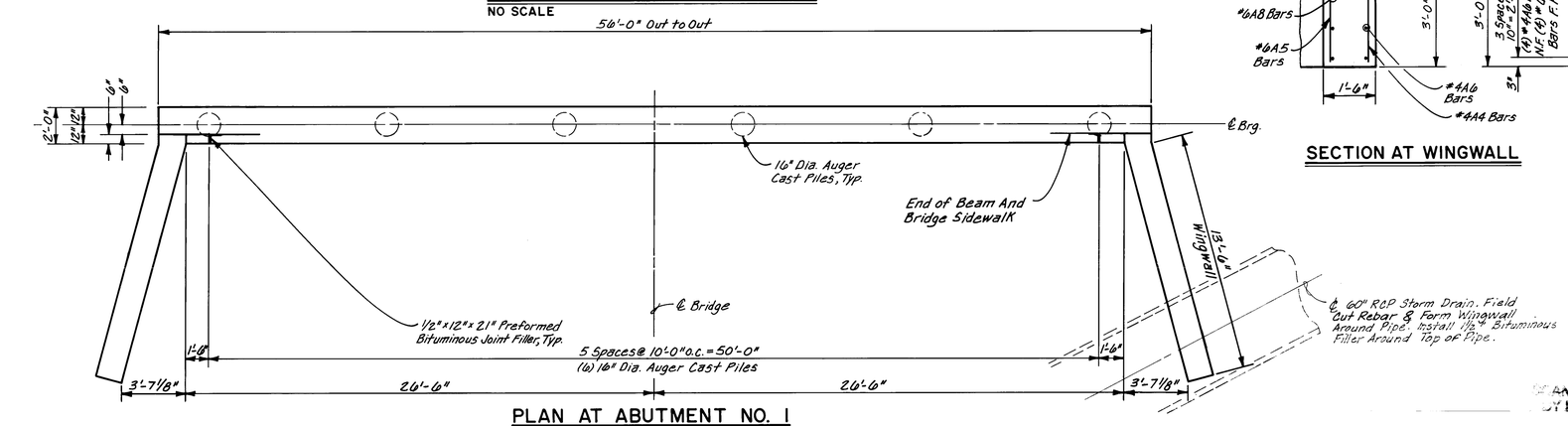
ELEVATION AT ABUTMENT NO. 2

NO SCALE



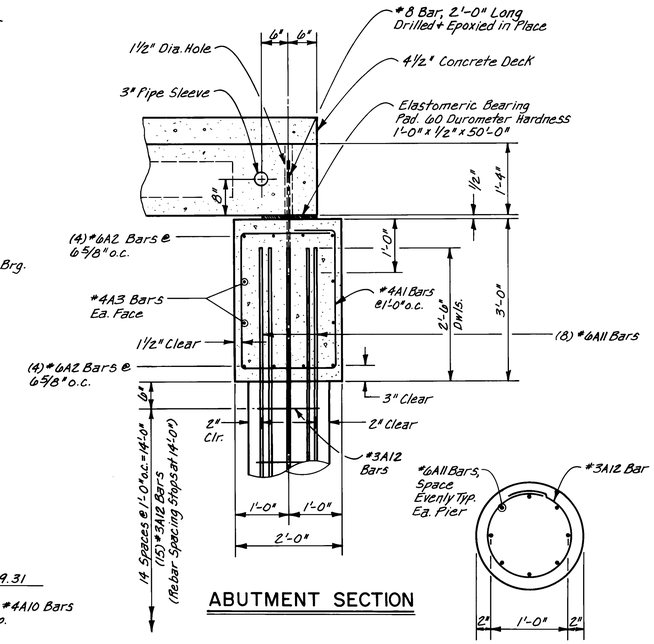
ELEVATION AT ABUTMENT NO. 1

NO SCALE



PLAN AT ABUTMENT NO. 1

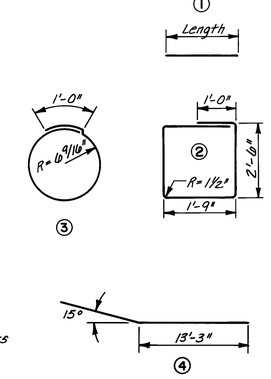
NO SCALE



ABUTMENT SECTION

PLAN VIEW OF PILE

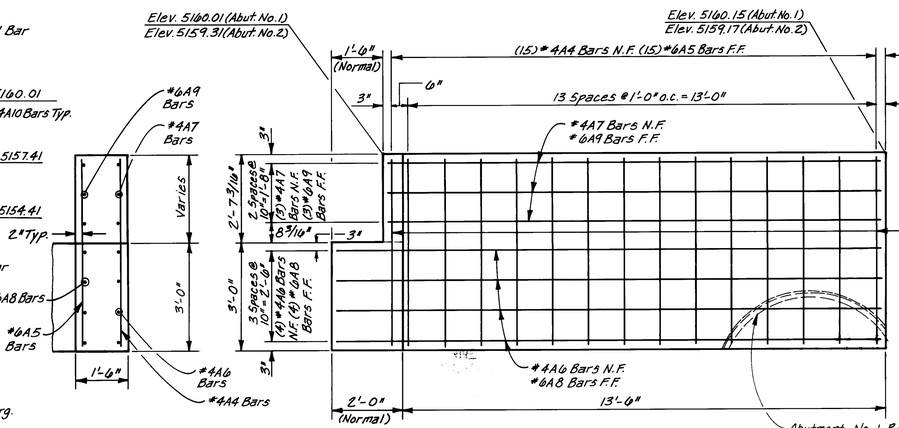
* Note: Extend (2) #6A11 Bars Full Depth as template Bars.



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"	114
#6A2	1	6	55'-9"	16
#4A3	1	4	55'-9"	8
#4A4	1	4	5'-3"	60
#6A5	1	6	5'-3"	60
#4A6	4	4	15'-3"	16
#4A7	4	4	13'-9"	12
#6A8	4	6	15'-3"	16
#6A9	4	6	13'-9"	12
#4A10	1	4	4'-6"	8
#6A11	1	6	*17'-0"	96
#3A12	3	3	4'-5"	180



SECTION AT WINGWALL

ELEVATION AT WINGWALLS

NOTE: DIMENSIONS SHOWN ARE ALONG SKEW.

AS BUILT INFORMATION

CONTRACTOR Moore & Conort Const.

WORK STAKED BY C.O.A. DATE

INSPECTORS

ACCEPTANCE BY C.O.A. DATE 5/91

FIELD VERIFICATION BY C.O.A. DATE 5/91

DRAWINGS CORRECTED BY AVID Eng. DATE 5/91

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO. BY DATE

ENGINEER'S SEAL

James V. Domenick 10/23/90

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY CP DATE 7/90

DRAWN BY RL DATE 7/90

CHECKED BY DW DATE 9/90

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:

TESUQUE DRIVE AT MARIPOSA ARROYO
ABUTMENT & WINGWALL DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Roger A. Green	11-1-90	Water	R.W. Kane	10-19-90
Trans. Dev	R.L. Smith	10-19-90	Waste Water	R.W. Kane	10-19-90
~~Utility Dev.~~			Parks & Rec.	D. Selna	10-19-90
Hydrology	G. Alsby	11-01-90			

DRAWING NO. 4038 MAP NO. D-11 SHEET 13 OF 18

HIGHWAY & RECORDS
216 4 0 3 8 / 3 9 1 1

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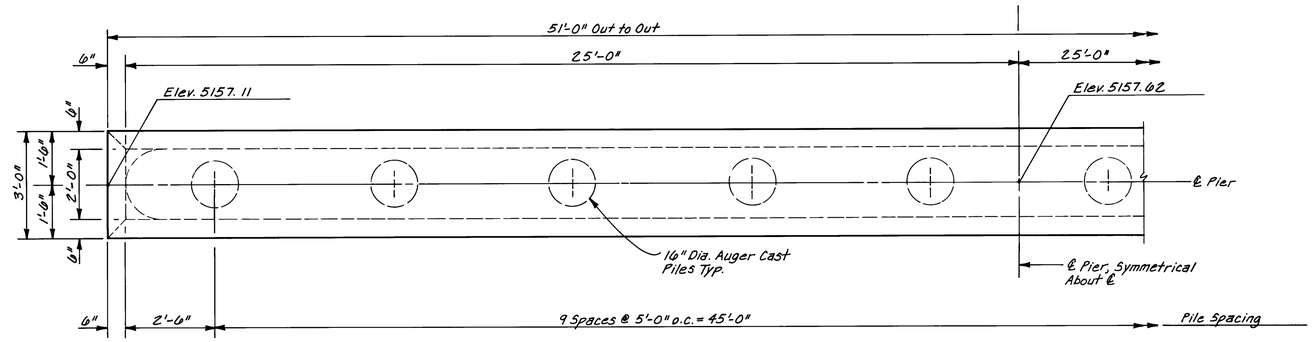
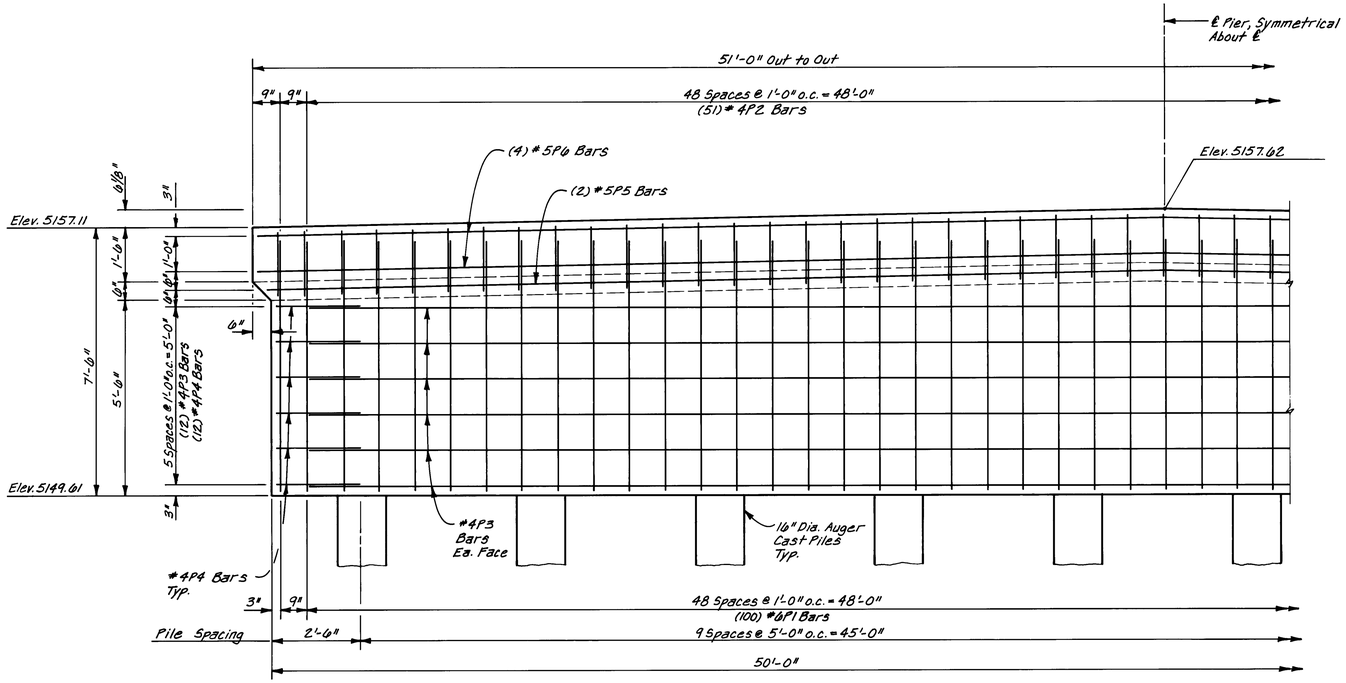
Civil • Structural • Transportation
6100 Seagull Street NE • Suite 102
Albuquerque, NM 87109 • (505) 881-5357

DRAWN BY LASON

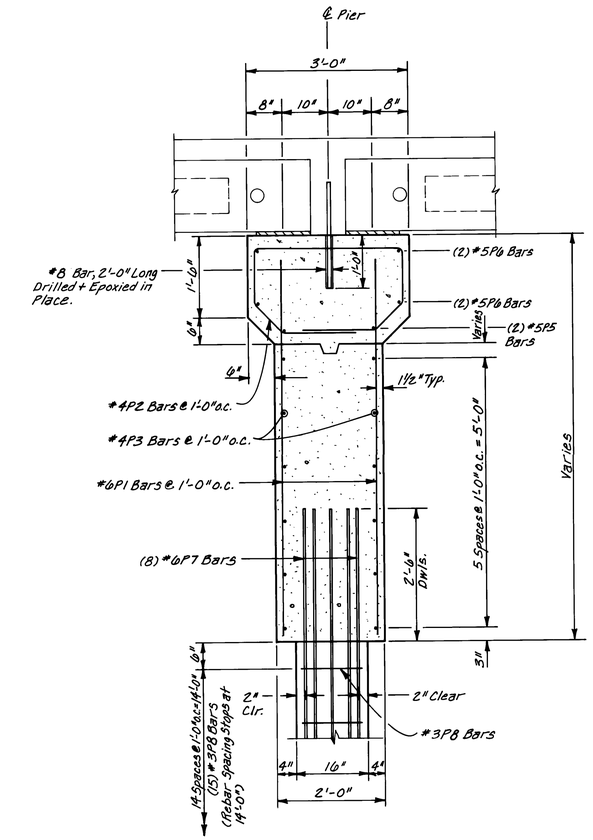
RECORD DRAWING



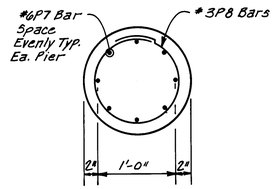
PIER PLAN



PIER ELEVATION

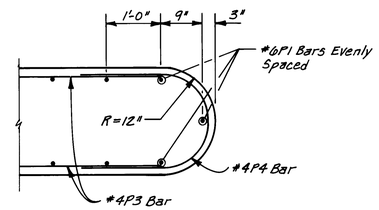


SECTION AT PIER

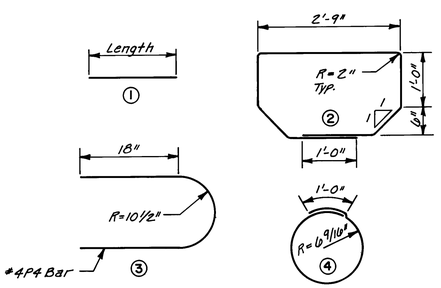


PLAN VIEW OF PILE

* Note: Extend (2) #6P7 Bars Full Depth as template Bars.



DETAIL "A"



REINFORCING STEEL FOR PIER

REGULAR GRADE 60 BARS

BAR	TYPE	SIZE	LENGTH	NO. REQ'D
#6P1	1	6	7'-0"	100
#4P2	2	4	9'-0"	51
#4P3	1	4	48'-0"	12
#4P4	3	4	5'-9"	12
#5P5	1	5	50'-0"	2
#5P6	1	5	50'-8"	4
#6P7	1	6	* 17'-0"	80
#3P8	4	3	4'-5"	150

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 6/10/91

JAMES V. DOMENICK, P.E. No. 7643 DATE

SCANNED BY BY LASON

Scanned Map Record: 2 6 1 9 0 3 8 1 4 9 1

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

AS BUILT INFORMATION

CONTRACTOR	Moore & Cowart Const.	
WORK STAKED BY	C.D.A.	DATE
INSPECTOR'S ACCEPTANCE BY	C.D.A.	DATE 5/91
FIELD VERIFICATION BY	C.D.A.	DATE 5/91
DRAWINGS CORRECTED BY	AVID Eng.	DATE 5/91

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO	

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

REVISIONS

DESIGNED BY CP DATE 7/90
DRAWN BY RL DATE 7/90
CHECKED BY DW DATE 9/90

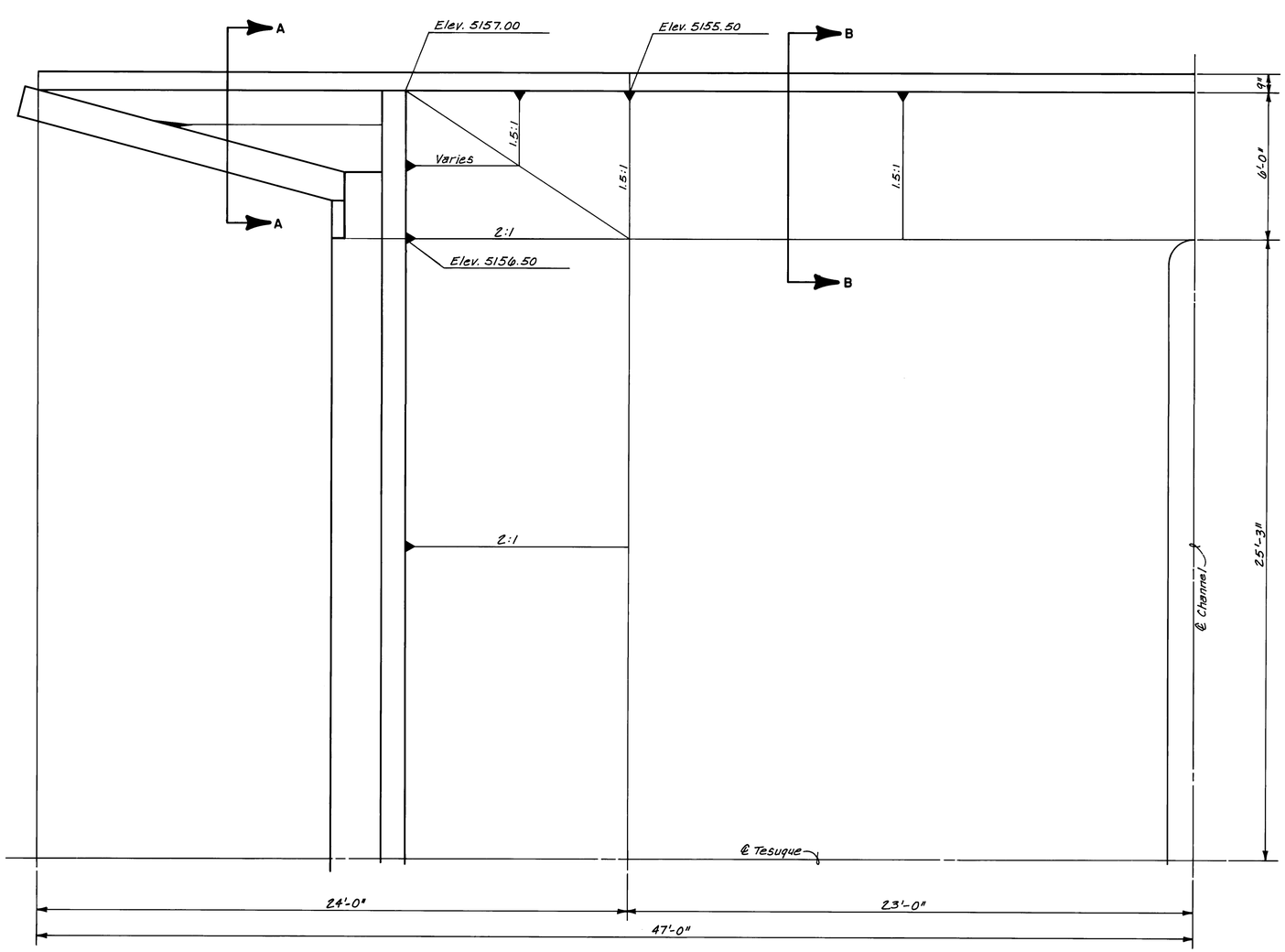
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TESUQUE DRIVE AT MARIPOSA ARROYO
PIER DETAILS

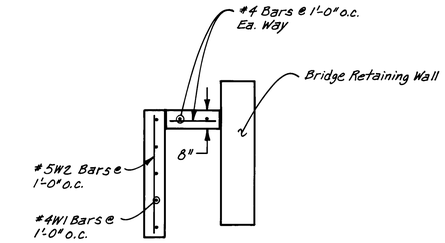
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Roger L. Anson	11-1-90	Water	R.W. Kane	10-19-90
Trans. Dev.	R. Dourte	10-19-90	Waste Water	R.W. Kane	10-19-90
~~Utility Dev.~~			Parks & Rec.	D. Selna	10-19-90
Hydrology	H. Oberg	11-01-90			

DRAWING NO.	MAP NO.	SHEET	OF
4038	D-11	14	18

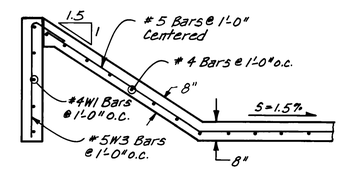
RECORD DRAWING



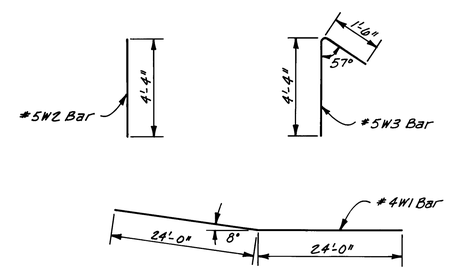
PLAN



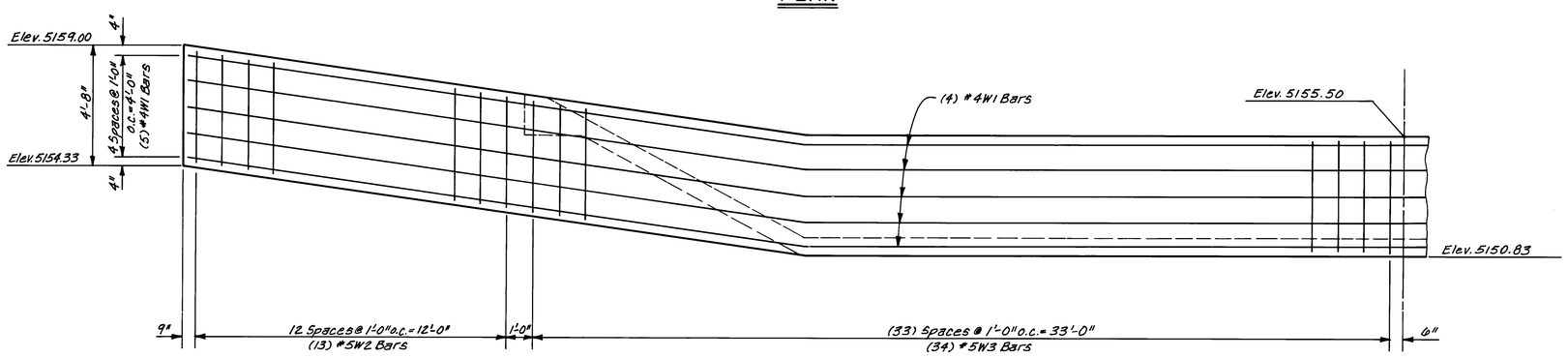
SECTION A-A



SECTION B-B



BAR BENDING DIAGRAM



ELEVATION

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 Domenick 6/10/91

JAMES V. DOMENICK, P.E. No. 7643 DATE

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

SCANNED BY
BY LASON

Cut # ... ...ons
2 6 1 4 0 3 8 1 5 9 1

AS BUILT INFORMATION
CONTRACTOR Moore & Comart Contr.
WORK STAKED BY C.O.A. DATE
INSPECTOR'S ACCEPTANCE BY C.O.A. DATE 5/91
FIELD VERIFICATION BY C.O.A. DATE 5/91
DRAWINGS CORRECTED BY AVID Eng. DATE 5/91
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
James Domenick 10/23/90

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN
DESIGNED BY CP DATE 7/90
DRAWN BY RL DATE 7/90
CHECKED BY DW DATE 9/90

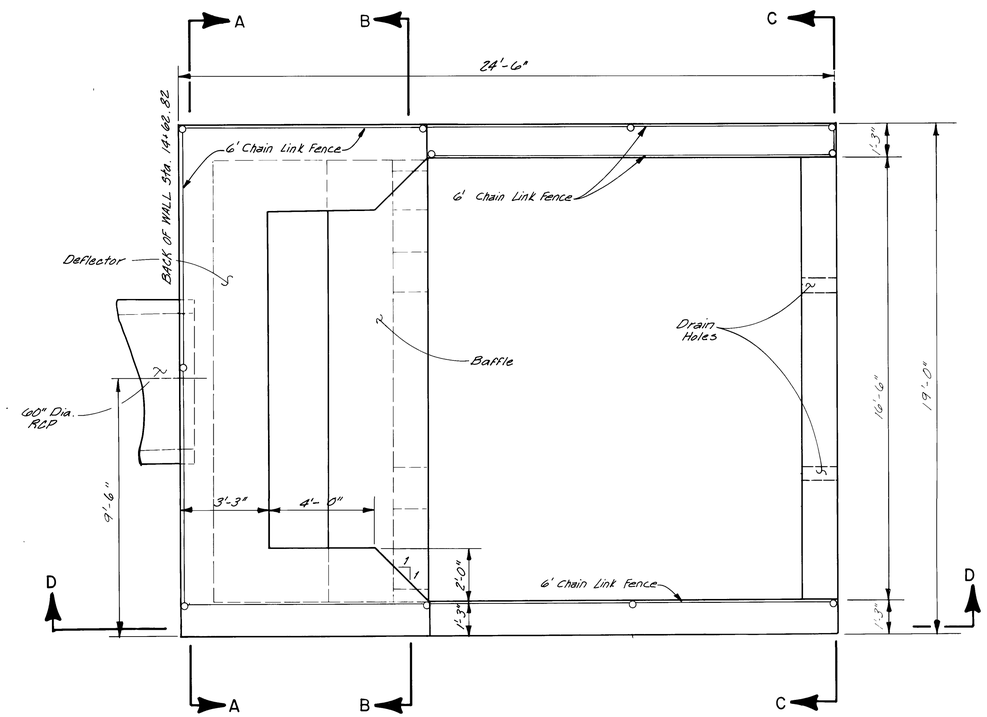
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:
TESUQUE DRIVE AT MARIPOSA ARROYO
UPSTREAM CHANNEL HEADWALL

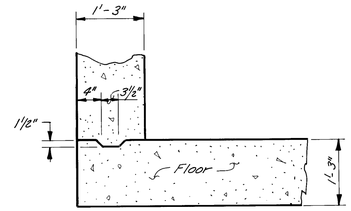
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Roger Green	11-1-90	Waste	R.W. Kane	10-19-90
Trans. Dev.	R. Dourte	10-19-90	Waste Water	R.W. Kane	10-19-90
~~Utility Dev.~~			Parks & Rec.	D. Sena	10-19-90
Hydrology	M. Alley	11-01-90			

DRAWING NO. 4038 | MAP NO. D-11 | SHEET 15 OF 18

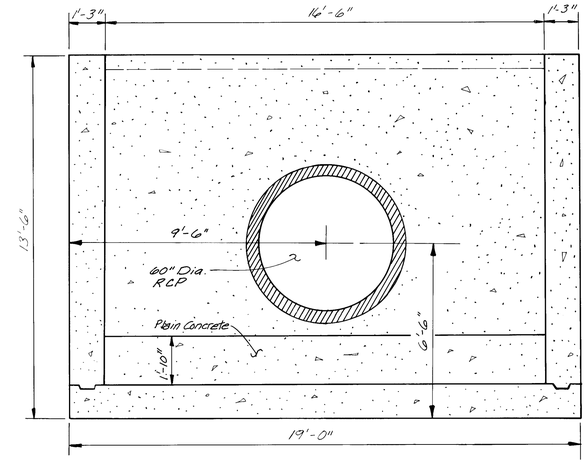
RECORD DRAWING



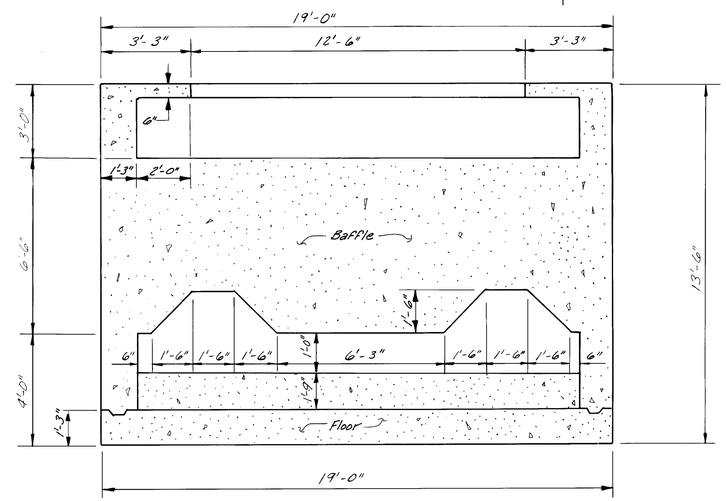
PLAN VIEW - IMPACT STILLING BASIN



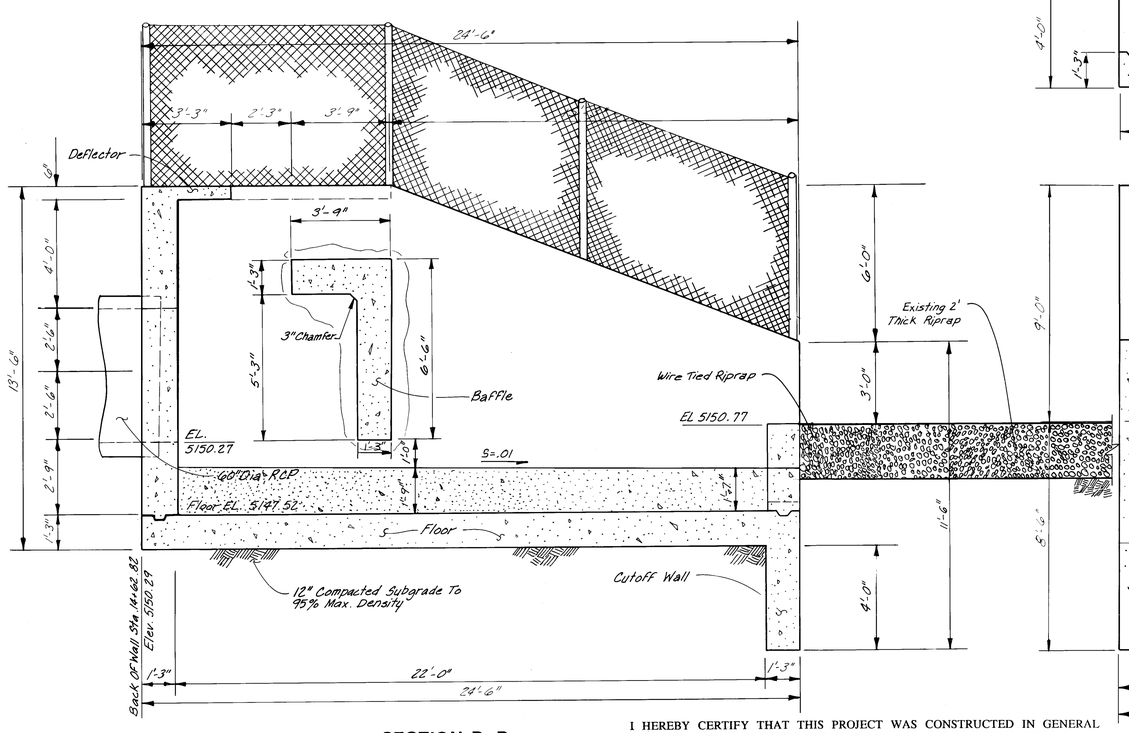
TYPICAL WALL TO FOUNDATION CONTRUCTION JOINT



SECTION A-A



SECTION B-B



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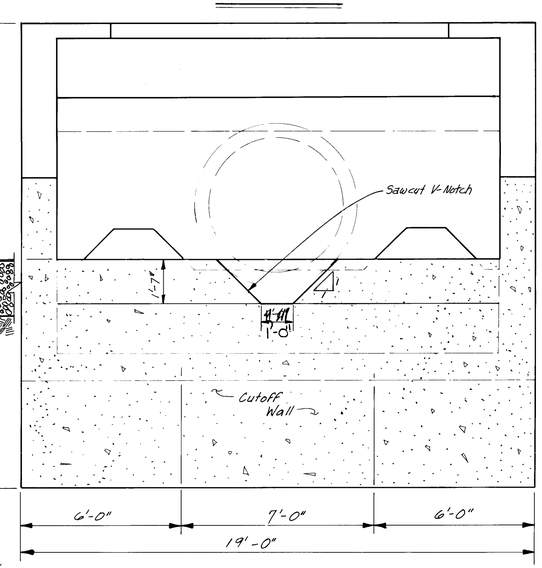

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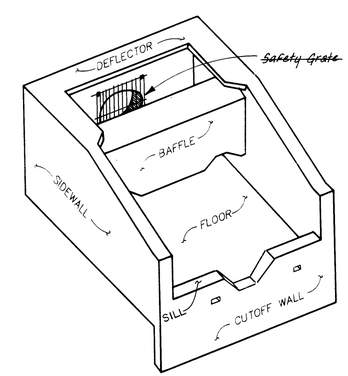


ISOMETRIC VIEW

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

SCANNED BY BY LASON

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 Domenick 6/27/91

JAMES V. DOMENICK, P.E. No. 7643 DATE

AS BUILT INFORMATION
CONTRACTOR Moore & Cowart Const. DATE
WORK STAKED BY C.O.A. DATE 5/91
INSPECTOR'S ACCEPTANCE BY C.O.A. DATE 5/91
FIELD VERIFICATION BY C.O.A. DATE 5/91
DRAWINGS CORRECTED BY AVID Eng. DATE 5/91
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS BRASS CAP "4-D-11" LOCATED APPX. 700' SOUTH WEST OF RADIUS POINT OF CUL-DE-SAC AT END OF RIDGEWAY DR. STA. IS A 3/4" ALUM. CAP SET FLUSH IN LAVA OUTCROP STAMPED "4-D-11, 1986"
TRIG. EL. 5261.00

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
1	EXIST. CONDITIONS SURVEY BY HUGG SURVEYING INC.	7/90

ENGINEER'S SEAL
James Domenick 06/30/90

NO.	DATE	REMARKS	BY

DESIGN
DESIGNED BY DW DATE 7/90
DRAWN BY RB DATE 7/90
CHECKED BY CP DATE 9/90

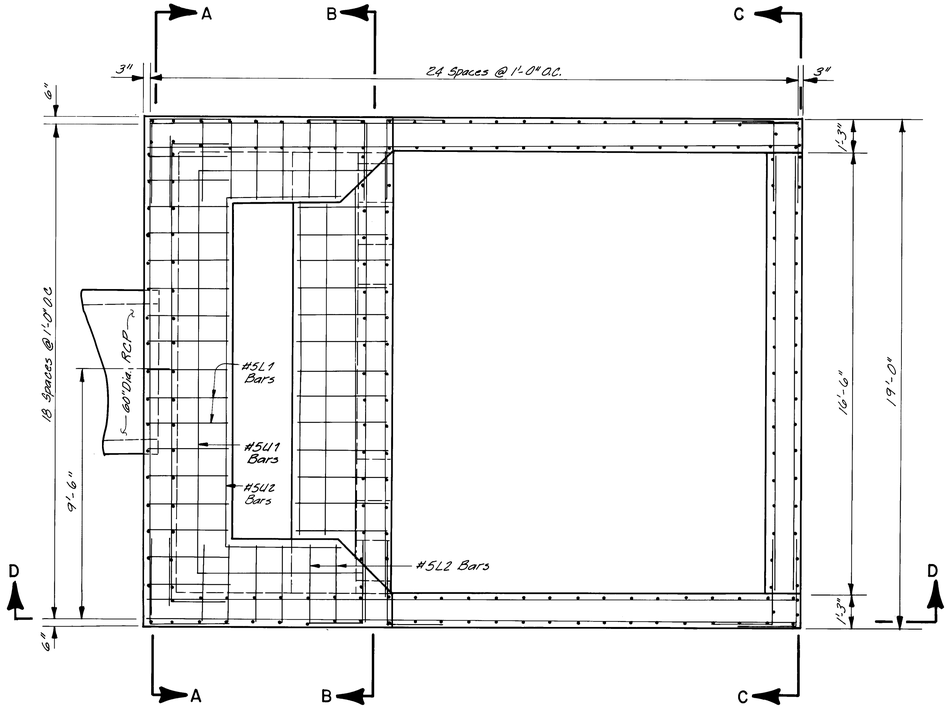
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TESUQUE DRIVE AT MARIPOSA ARROYO
IMPACT STILLING BASIN DETAILS

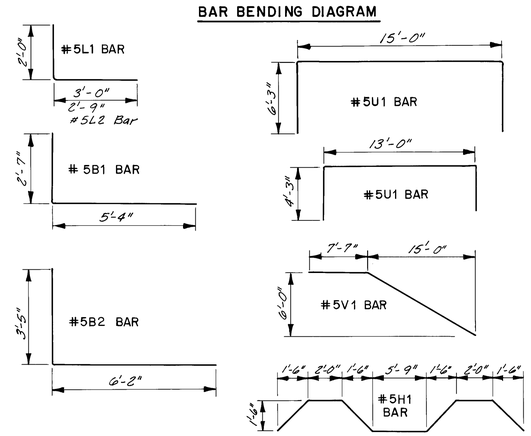
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engr.	Roger L. Brown	11-1-90	Water	R.W. Kane	10-19-90
Transportation	[illegible]	10-11-90	Waste Water	R.W. Kane	10-19-90
Hydrology	D. Oakley	11-01-90	Parks & Rec.	D. Selna	10-19-90

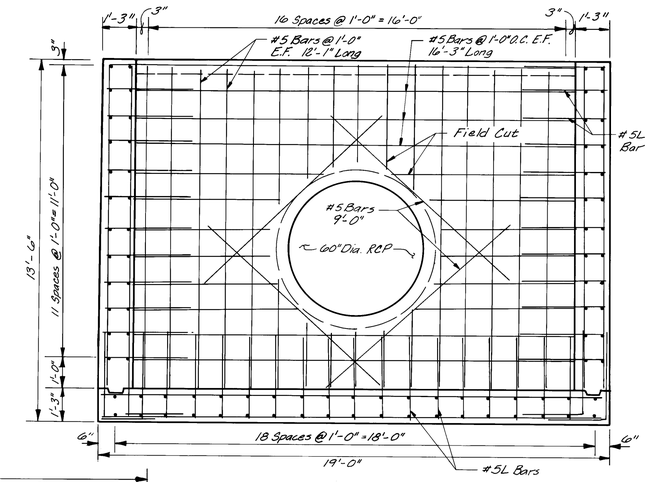
DRAWING NO. 4038 MAP NO. D-11 SHEET 16 OF 18

RECORD DRAWING



PLAN VIEW - IMPACT STILLING BASIN





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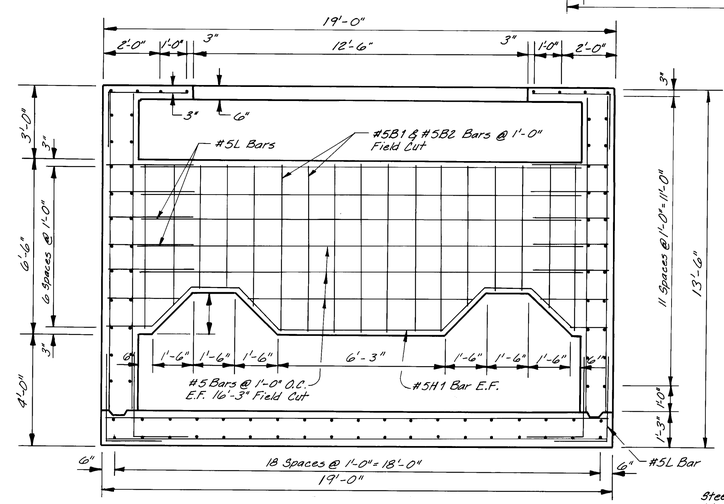

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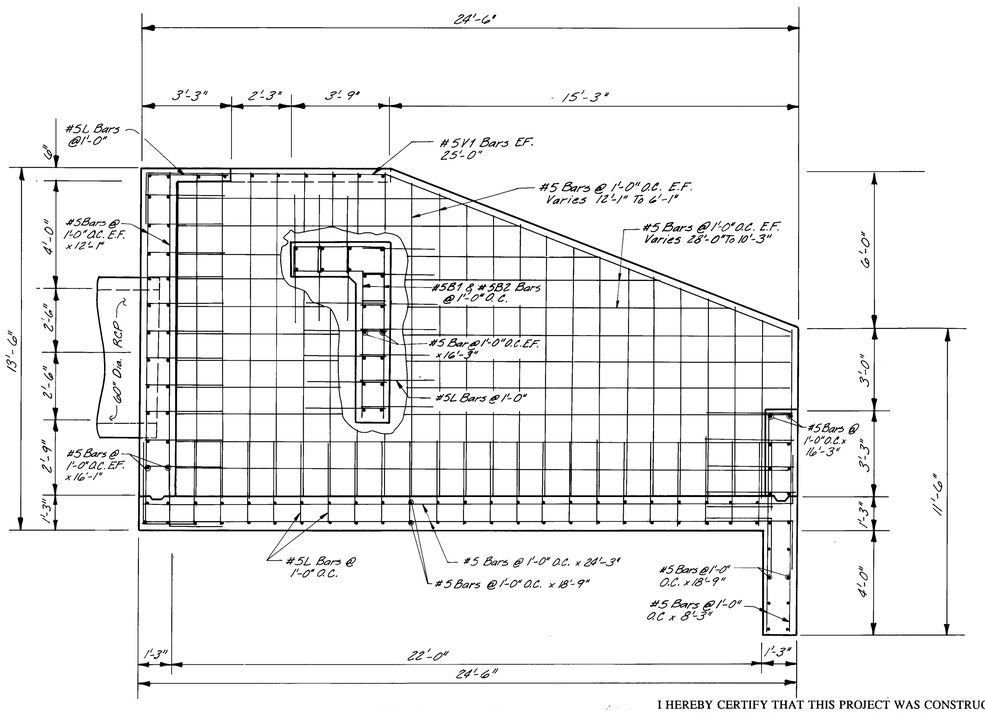
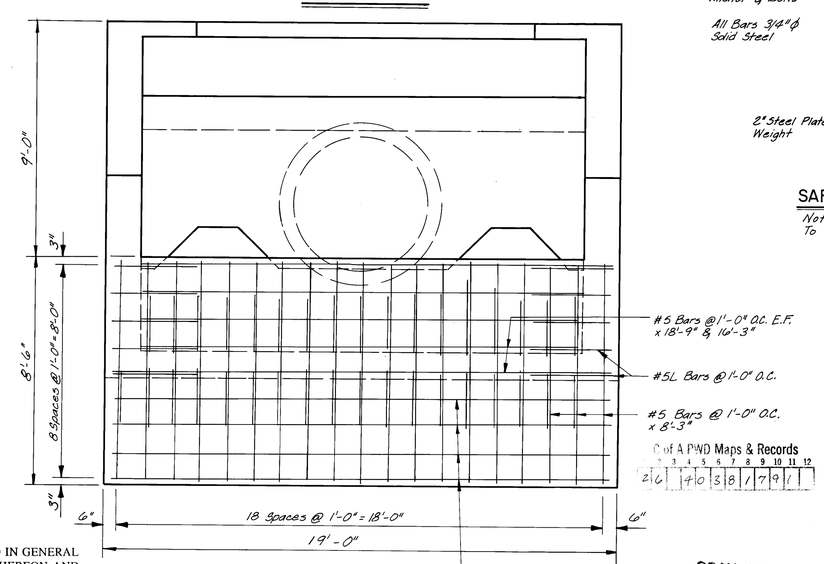
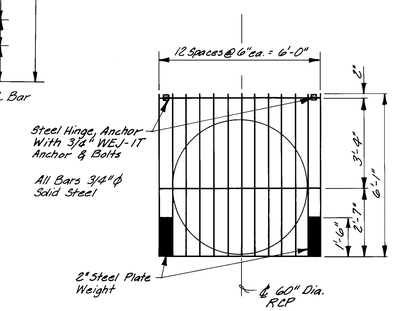


SECTION D-D



SECTION C-C



NOT IN THIS CONTRACT

SAFETY GRATE DETAIL

Note: Cost of Grate Is Incidental To The Concrete.

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 6/10/91

JAMES V. DOMENICK, P.E. No. 7643 — DATE

SCANNED BY BY LASON

C of A PWD Maps & Records

2	3	4	5	6	7	8	9	10	11	12
2	6	4	0	3	8	1	7	9		

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

AS BUILT INFORMATION

CONTRACTOR Moore & Conart Contr.
WORK STAKED BY C.O.A. DATE
ACCEPTANCE BY C.O.A. DATE 5/91
VERIFICATION BY C.O.A. DATE 5/91
DRAWINGS CORRECT AVID Eng. DATE 5/91
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

ACS BRASS CAP "4-D-11". LOCATED APPX. 700' SOUTH WEST OF RADIUS POINT OF CUL-DE-SAC AT END OF RIDGEWAY DR. STA. IS A 3/4" ALUM. CAP SET FLUSH IN LAVA OUTCROP STAMPED "4-D-11, 1986".
TRIG. EL. 5261.00

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
1	EXIST. CONDITIONS SURVEY BY HUGG SURVEYING INC.	7/90

ENGINEER'S SEAL

James Domenick 10-23-90

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY	DW	DATE 7/90
DRAWN BY	RB	DATE 7/90
CHECKED BY	CP	DATE 9/90

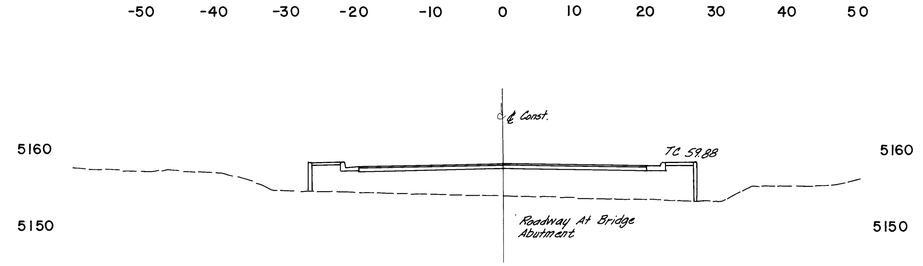
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TESUQUE DRIVE AT MARIPOSA ARROYO
IMPACT STILLING BASIN DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Roger L. Green	11-1-90	Water	R.W. Kane	10-19-90
Transportation	R.J. Dwyer	10-19-90	Waste Water	R.W. Kane	10-19-90
Hydrology	G. Oleby	11-01-90	Parks & Rec.	D. Sena	10-19-90

DRAWING NO. 4038 | MAP NO. D-11 | SHEET 17 OF 18

RECORD DRAWING



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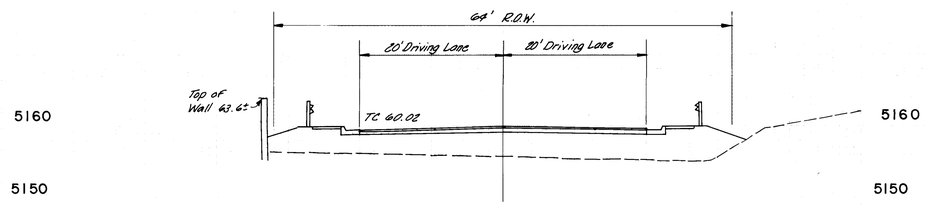

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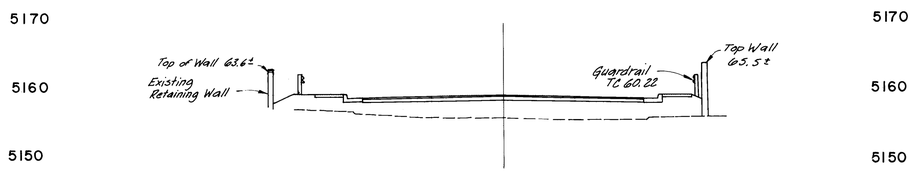

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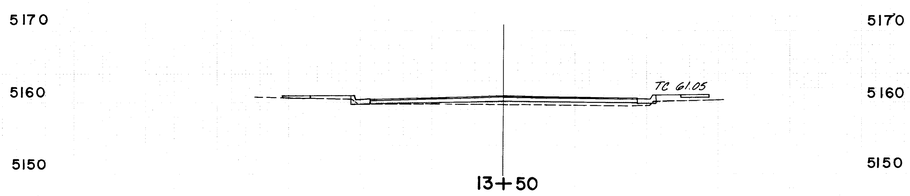

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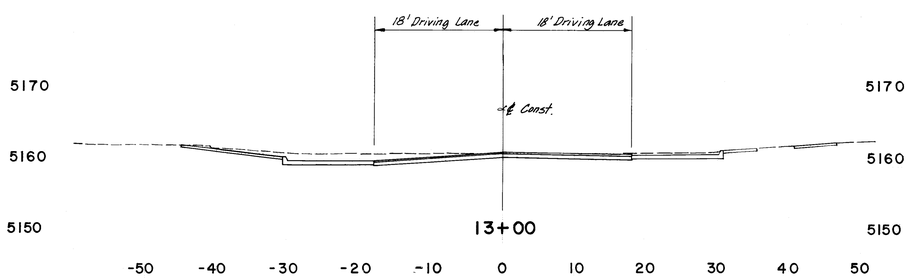

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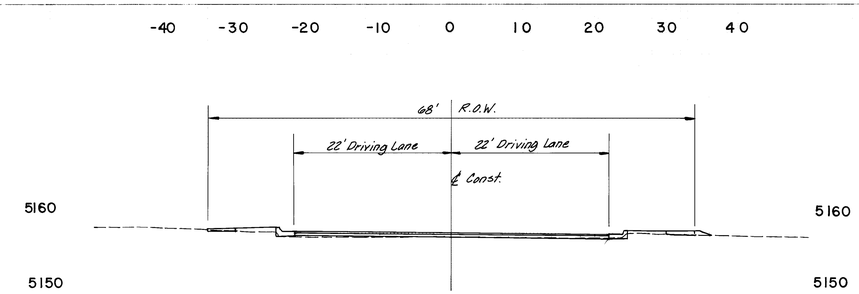

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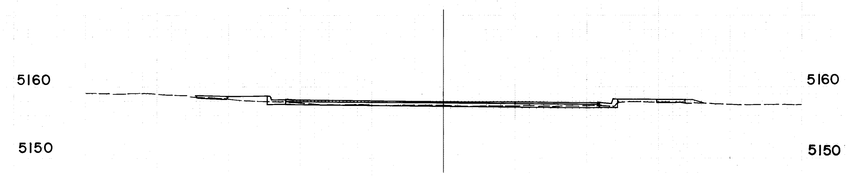

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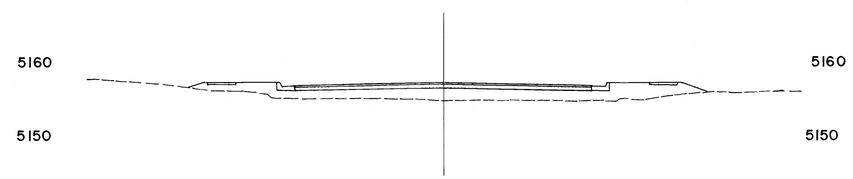

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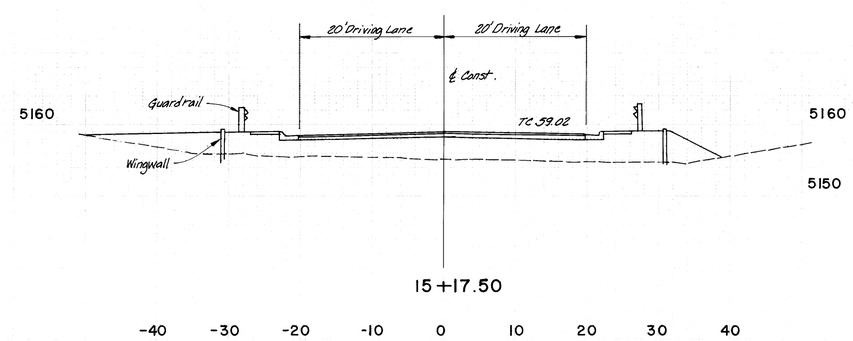


15 +17.50

FINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
NOTE BOOK	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
NOTE BOOK	AREAS		
NO.	AREAS CHECKED		

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 Domenick 8/10/91

JAMES V. DOMENICK, P.E. No. 7643 DATE

Scale:
Horiz: 1" = 10'
Vert.: 1" = 10'

SCANNED BY
BY LASON

Maps & Records
2 6 1 4 0 3 8 1 8 9 1

JAMES V. DOMENICK REGISTERED PROFESSIONAL ENGINEER No. 7643

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: TESUQUE DRIVE AT MARIPOSA ARROYO
ROADWAY CROSS-SECTIONS

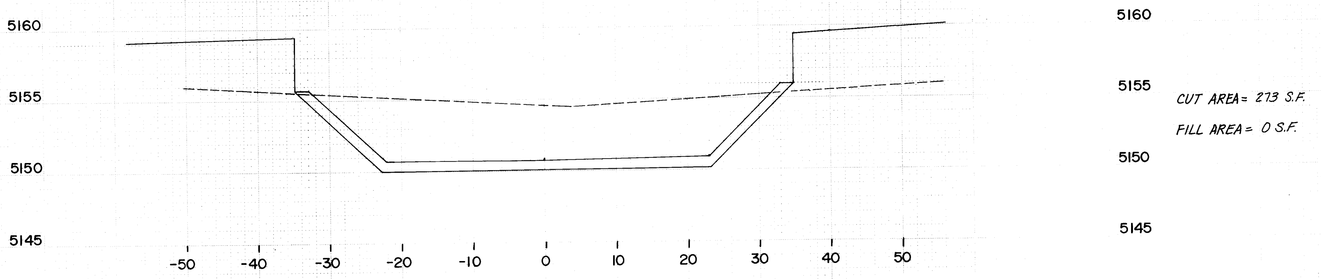
DRAWING NO.	MAP NO.	SHEET NO.
4038	D-11	18 / 18

RECORD DRAWING

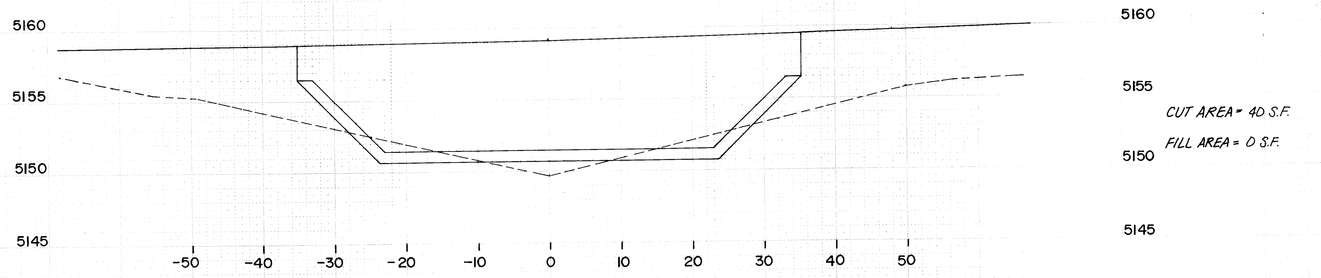
PLATE 3 CROSS SECTION - DOTTED
CHARLES BRUNING COMPANY
MADE IN U.S.A.

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

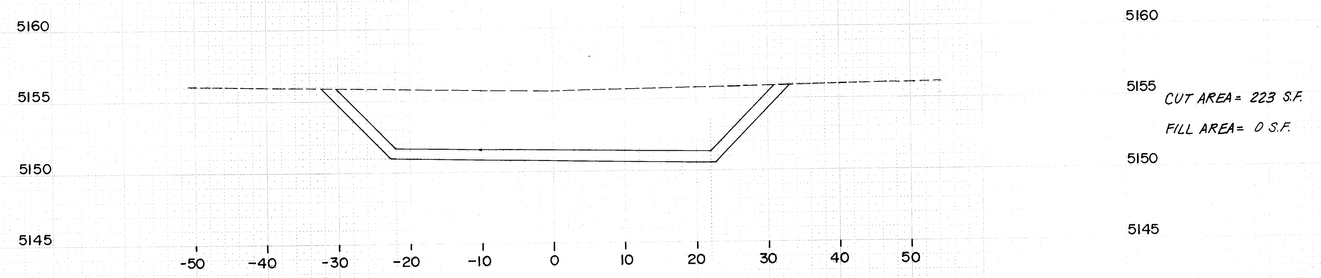
FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		



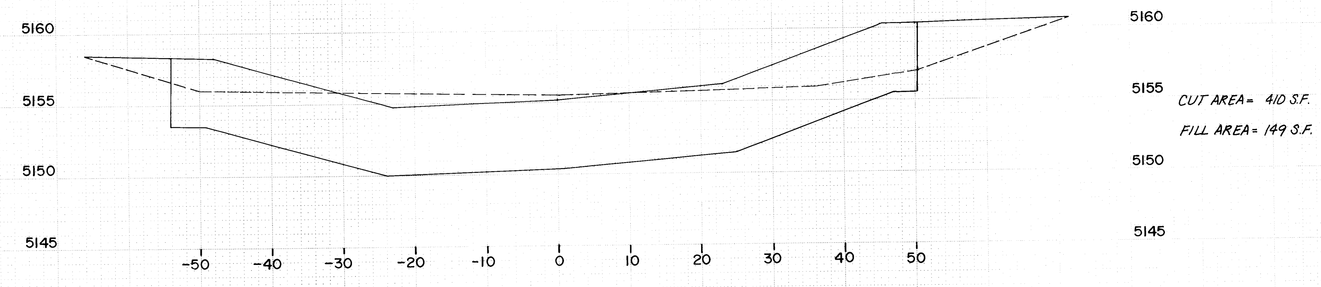
10+28



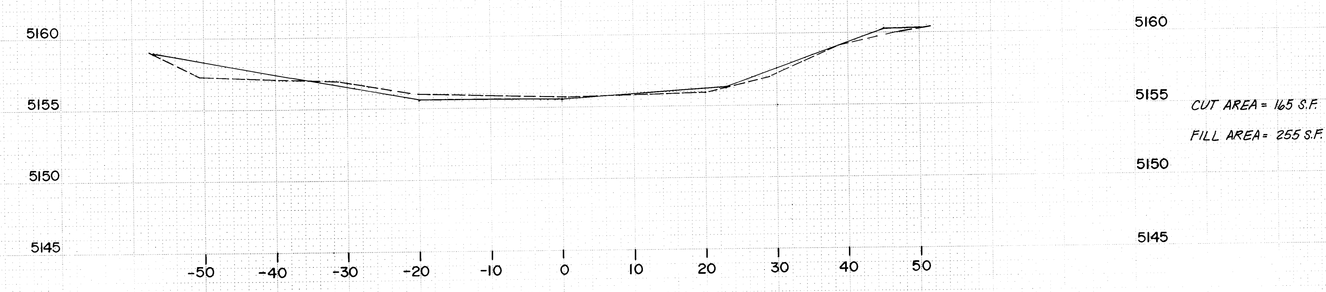
10+00



9+74.75



9+69



9+58

C of A PWD Maps & Records
1 2 3 4 5 6 7 8 9 10 11 12
26 14 10 3 8 1 19 7

SH 19

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 Domenick 6/27/91

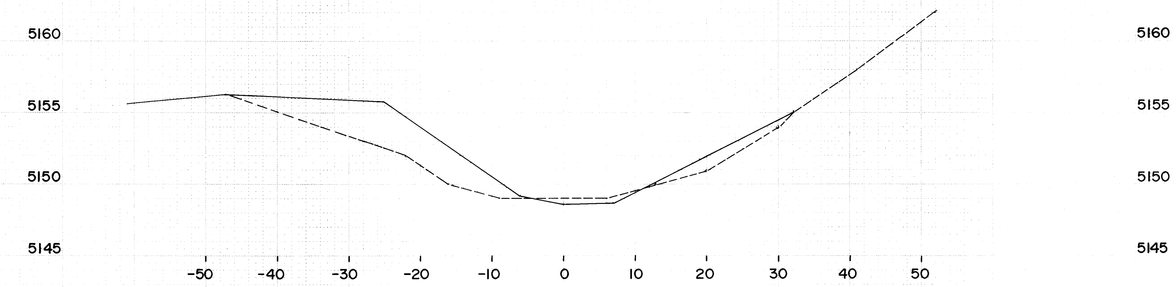
JAMES V. DOMENICK, P.E. No. 7643 DATE

PLATE 3 CROSS SECTION - DOTTED
JAMES G. BLUNTZ COMPANY
MADE IN U.S.A.

RECORD DRAWING

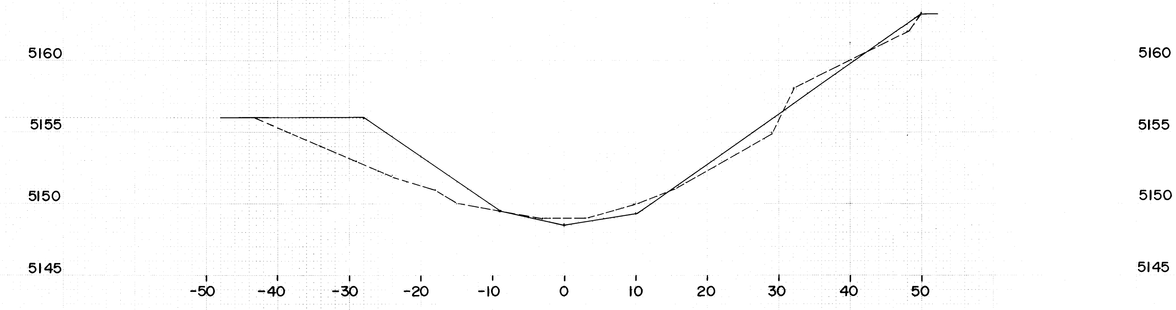
ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



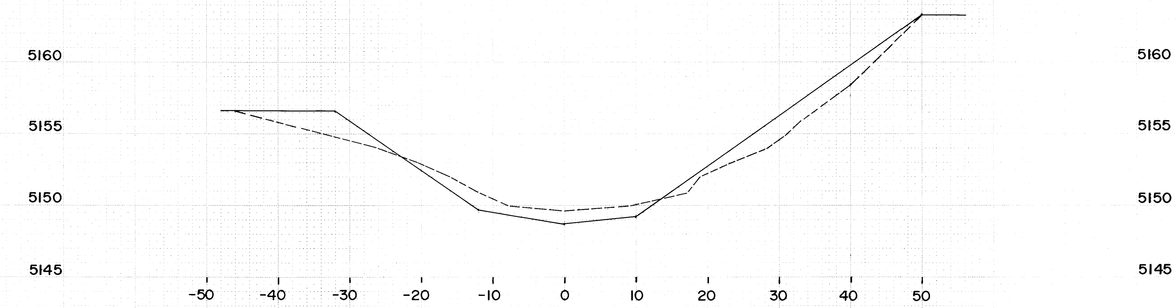
12+50

CUT AREA = 5 S.F.
FILL AREA = 90 S.F.



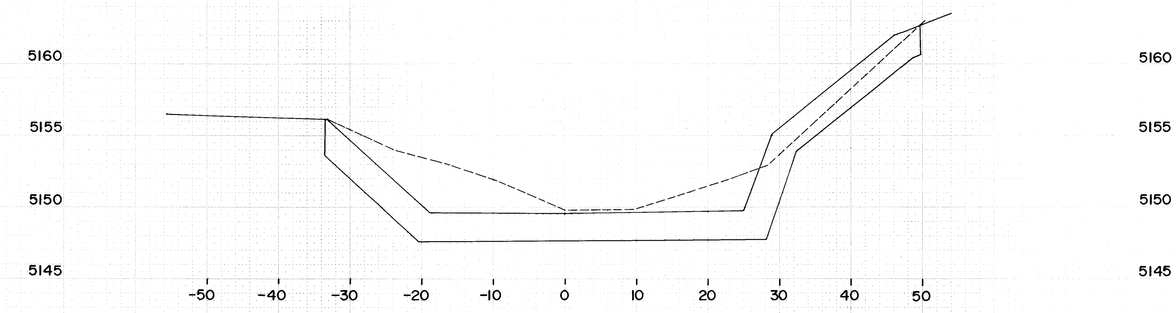
12+00

CUT AREA = 15 S.F.
FILL AREA = 81 S.F.



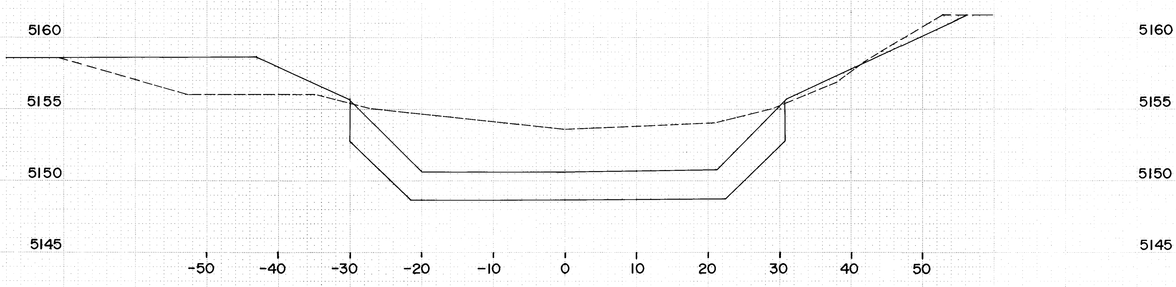
11+50

CUT AREA = 27 S.F.
FILL AREA = 65 S.F.



11+00

CUT AREA = 267 S.F.
FILL AREA = 28 S.F.



10+43

CUT AREA = 312 S.F.
FILL AREA = 68 S.F.

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 Domenick 6/27/91

JAMES V. DOMENICK, P.E. No. 7643 DATE

PLATE 3 CROSS SECTION - DOTTED

CHART PAPER COMPANY MADE IN U.S.A.

C of A PWD Mons & Pcons

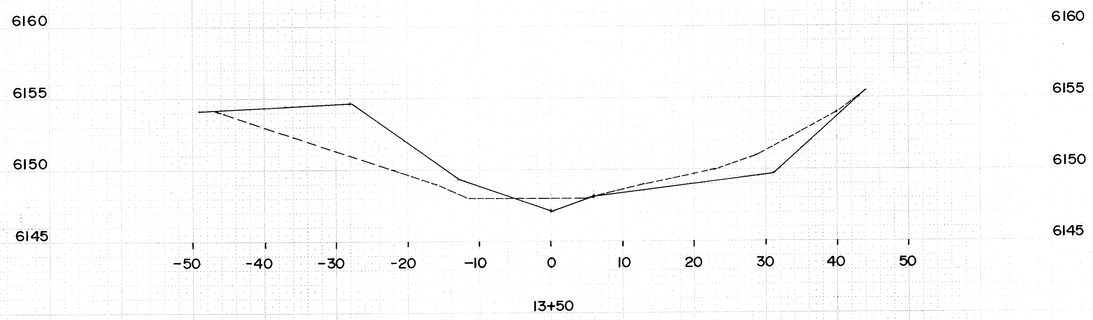
2 6 | 4 0 3 1 8 2 0 9 7 1

Sw 20

RECORD DRAWING

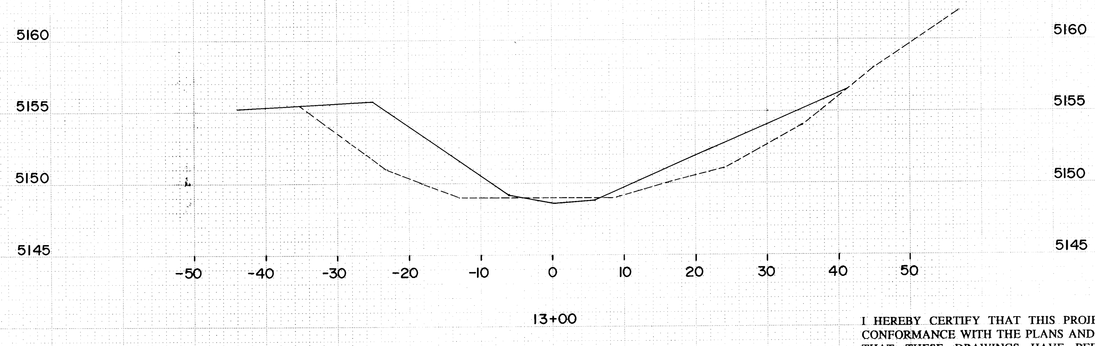
ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



CUT AREA = 36 S.F.

FILL AREA = 75 S.F.



CUT AREA = 2 S.F.

FILL AREA = 110 S.F.

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 Domenick 6/27/91

JAMES V. DOMENICK, P.E. No. 7643 DATE

PLATE 3 CROSS SECTION - DOTTED

CHARLES BRUNING COMPANY MADE IN U.S.A.

RECORD DRAWING