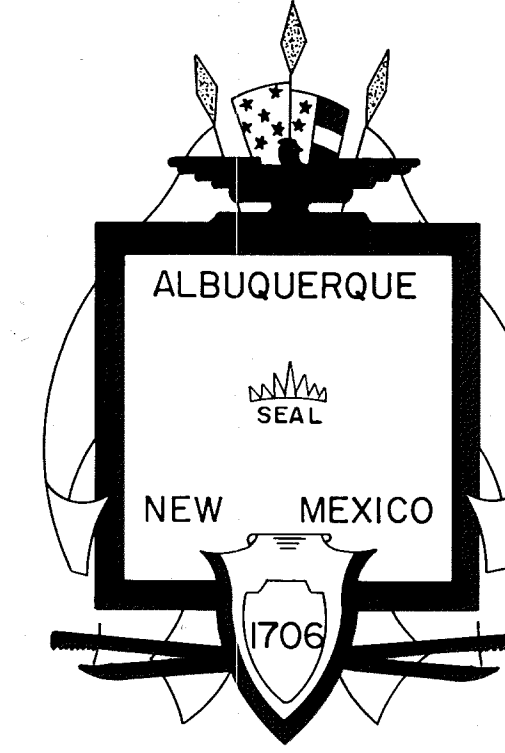




CITY OF ALBUQUERQUE, NEW MEXICO
MUNICIPAL DEVELOPMENT DEPARTMENT

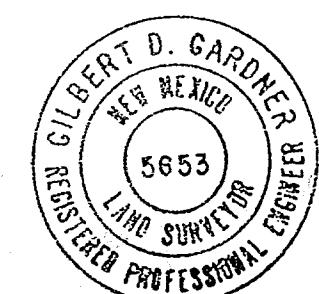
INDEX

DESCRIPTION	SHEET No.
TITLE SHEET	1
QUANTITIES & GENERAL NOTES	2
LOCATION MAP & LEGEND	3
PLAN & PROFILE SHEETS	4-19
DETAIL SHEETS	20-22
PREFABRICATED BRIDGE DETAIL	23-24
RETAINING WALL ELEVATIONS	25
CROSS SECTIONS	26-30

EMBUDO / PIEDRA LISA RECREATIONAL TRAIL

1 2 3 4 5 6 7 8 9 10 11 12
06 09 11 10 18 4

APPROVAL OF AS BUILT DRAWINGS
ASST. CITY ENGINEER - FIELD
W. J. McNamara
DATE 3/1/84



AS BUILT

GARDNER, MASON & ASSOC. INC.
ALBUQUERQUE, NEW MEXICO

SET No. _____
DATE _____

SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT OF MEASURE	GRAND TOTAL	
			ESTIMATE	FINAL
1	Clearing & Grubbing	L.S.	L.S.	100%
2	Grading	S.Y.	55517	55705
3	Removal of Trees 4" to 10" dia.	Ea.	12	12
4	Removal of Trees greater than 10" dia.	Ea.	10	10
5	Trimming of Trees	Ea.	8	26
6	Removal of Asphalt Pavement	S.Y.	85	155
7	Removal of Curb & Gutter	L.F.	190	126
8	Removal of Sidewalk	S.Y.	75	155
9	Removal of Chain Link Fence	L.F.	253	253
10	Relocate Exist. 12' Chain Link Gates	Ea.	5	Deleted
11	Remove Exist. Bike Gates	Ea.	14	22
12	Remove 4"x4" Guard Posts	Ea.	48	28
13	Removal of Concrete Channel Lining	C.Y.	20	10
14	Reinforced Concrete Retaining Wall	C.Y.	90	90
15	Unreinforced, Pneumatically applied Concrete	S.F.	1500	1529
16	Process & Compact Exist. Material	S.Y.	19265	20212
17	Remove & Replace any "in place" Material	S.Y.	2000	2000
18	Prime Coat	S.Y.	-0-	20467
19	Asphaltic Concrete Surface Course	S.Y.	19265	18243
20	Concrete Driveway - 6" thick	S.F.	691	1512
21	Concrete Curb & Gutter	L.F.	160	333
22	Concrete Median Curb & Gutter	L.F.	360	55
23	Adjust Manhole Frame to Grade	Ea.	1	2
24	Reconstruct Manhole	Ea.	1	Deleted
25	4" 1800lb. Hot Mix for Patch Paving	S.Y.	50	28
26	Mass Arm Foundation, Type I	Ea.	10	10
27	Mass Arm Pedestal, 25'	Ea.	7	7
28	Mass Arm Pedestal, 20'	Ea.	2	2
29	Installation of Standard Traffic Signs	S.F.	519	527.5
30	Steel Posts for Traffic Signs	L.F.	256	286
31	Thermoplastic Pavement Marking	L.F.	625	630
32	4" Thermoplastic Pavement Marking	L.F.	1867	1967
33	Installation of Bollards (Removable)	Ea.	26	28
34	Installation of Bollards (Stationary)	Ea.	26	27
35	Prefabricated Steel Bridge (8'x50')	L.S.	1	1
36	Installation of Hand Rail	L.F.	460	460
37	Reconstruction of Exist. Planter	L.S.	1	1
38	Reflectors	Ea.	7	7
39	Installation of 12" C.M.P.	L.S.	-0-	1
40	6" Concrete w/Reinforcing Steel	S.F.	-0-	1389
41	Replace Sign Post Location	Ea.	-0-	11
42	Trash & Dirt Removal (Juan Tabo/Manuel)	L.S.	-0-	100%
43	Concrete Safety Anchors	Ea.	-0-	69
AA-1-1	Grading to any Depth	S.Y.	1389	1389
AA-1-2	Remove Exist. Bike Gates	Ea.	1	1
AA-1-3	Reinforced Concrete Retaining Wall	C.Y.	63	88
AA-1-4	Process & Compact Exist. Material	S.Y.	337	583
AA-1-5	Asphaltic Concrete Surface Course	S.Y.	337	550
AA-1-6	Thermoplastic Pavement Marking	L.F.	28	40
AA-1-7	Installations of Bollards (Removable)	Ea.	1	2
AA-1-8	6" Concrete w/Reinforced Wire Mesh	S.F.	1100	1166
AA-1-9	Prime Coat	S.Y.	-0-	583
AA-2-1	4' High Chain Link Fence	L.F.	510	533
AA-2-2	6' High Chain Link Fence	L.F.	694	454
AA-2-3A	5' High Chain Link Fence	L.F.	2564	2549
AA-2-4A	10' Special Gate	Ea.	1	1
AA-2-5A	12' Special Gates	Ea.	6	19
AA-2-6	4" Gate Posts	Ea.	-0-	23
AA-3-1	Standard Traffic Signs	S.F.	520	60
AA-3-2	Steel Posts for Traffic Signs	L.F.	624	680
AA-4-1	Prefabricated Steel Bridge (6'x80')	L.S.	1	1

NOTICE TO CONTRACTORS:

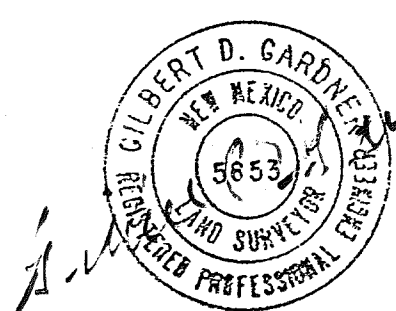
1. New Mexico Standard Specifications for Public Works Construction - 1979 Edition will be referred to hereon as the "Standard Specification".
2. All work detailed on these plans to be performed under contract shall be constructed in accordance with the contract documents of which these are a part.
3. Three (3) working days prior to any excavation, Contractor must contact Line Locating Service, 765-1234, for location of existing utilities.
4. Prior to construction, the Contractor shall excavate and verify the horizontal and vertical locations of all obstructions. Should a conflict exist, the Contractor shall notify the Engineer so that the conflict can be resolved with a minimum amount of delay.
5. A disposal site for all excess excavation material, asphaltic paving, concrete, etc. shall be provided by the Contractor. All costs incurred in obtaining a disposal site and haul thereto shall be considered incidental to construction and no direct payment will be made therefore.
6. All clearing and grubbing, removal of stumps, or shrubs, removal of minor underground structures, pipe, service lines, etc. shall be considered part of clearing and grubbing.
7. The Contractor shall maintain access to adjacent properties during construction except during paving operations.
8. Testing, Right-of-Way surveys and construction staking shall be provided by the Engineer.
9. Gas, sewer and underground telephone utilities shall remain in existing locations and necessary adjustments made by others. Utility poles to be relocated by owners. It shall be the contractors responsibility to request the relocation of poles and/or risers.
10. All ties to existing pavements on cross-streets and connections shall be a neat line saw cut joint. This work shall be considered incidental to construction and no direct payment will be made therefore.
11. Fifty (50) ton roller operation shall not be used on this project where underground utilities are present. The required compaction at these locations shall be effected by means of other types of rolling available.
12. When directed by the Engineer, existing sidewalks and concrete driveways, asphaltic driveways, shall be sawed in a neat line to match new construction. This work shall be considered as a part of the unit bid price for sidewalks and or driveways.
13. The City of Albuquerque's Traffic Engineering Department shall remove all existing above ground traffic signs deemed salvagable by the City.
14. All radii of curb returns and dimensions are shown to Back of Curb.
15. The Contractor shall plan his daily surfacing operations on a schedule which will result in a minimum length of exposed longitudinal joints at the end of each day's operations. All transverse joints and all longitudinal joints left exposed to traffic at the end of each day's overlay operation shall be tapered a minimum of one foot.
16. Grading Operations shall be confined to within the limits of construction as shown on the Typical Sections except as directed by the Engineer.
17. Construction operation through landscaped areas of the parks shall be confined to the width of the bikeway plus four feet on one side and four feet on the other side. Upon completion of each section through the parks, the contractor shall fine grade the construction area and leave it in a condition suitable for the placement of sod.
18. The Contractor will be required to confine his work within the construction limits and or ROW to preserve existing vegetation and private property. Overnight parking of construction equipment shall not obstruct driveway openings onto private property.

EROSION CONTROL NOTES:

- A. ERODIBLE SURFACE AREA
1. The contractor shall open this project in accordance with the requirements of construction.
- B. TEMPORARY MEASURES
1. Top of subgrade, bottom of excavation, or top of embankment shall be watered or otherwise kept dust free. The Contractor, at the direction of the Engineer, shall use his watering equipment for dust pollution abatement. This operation shall be given priority over any other operation where the water equipment might be required. Watering as required shall be considered incidental to construction and no measurement or payment will be made therefore.
 2. As directed by the Engineer, roadway slopes which are exposed during construction and will be subject to erosion are to be treated by watering to prevent erosion. Watering shall be considered incidental, and no measurement or payment will be made therefore.
 3. If construction operations need to be suspended for a period of time longer than two weeks, the Engineer shall request the Contractor to treat all exposed areas with a temporary soil stabilant. No measurement or payment will be made therefore.
 4. All areas occupied by the Contractor in connection with the work, shall be kept free of dust. This work shall be considered incidental, and no measurement or payment will be made therefore.

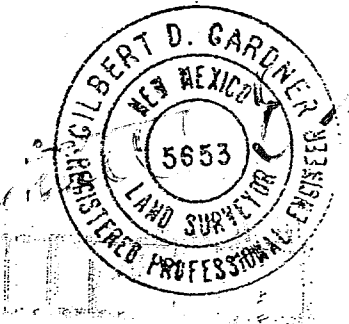
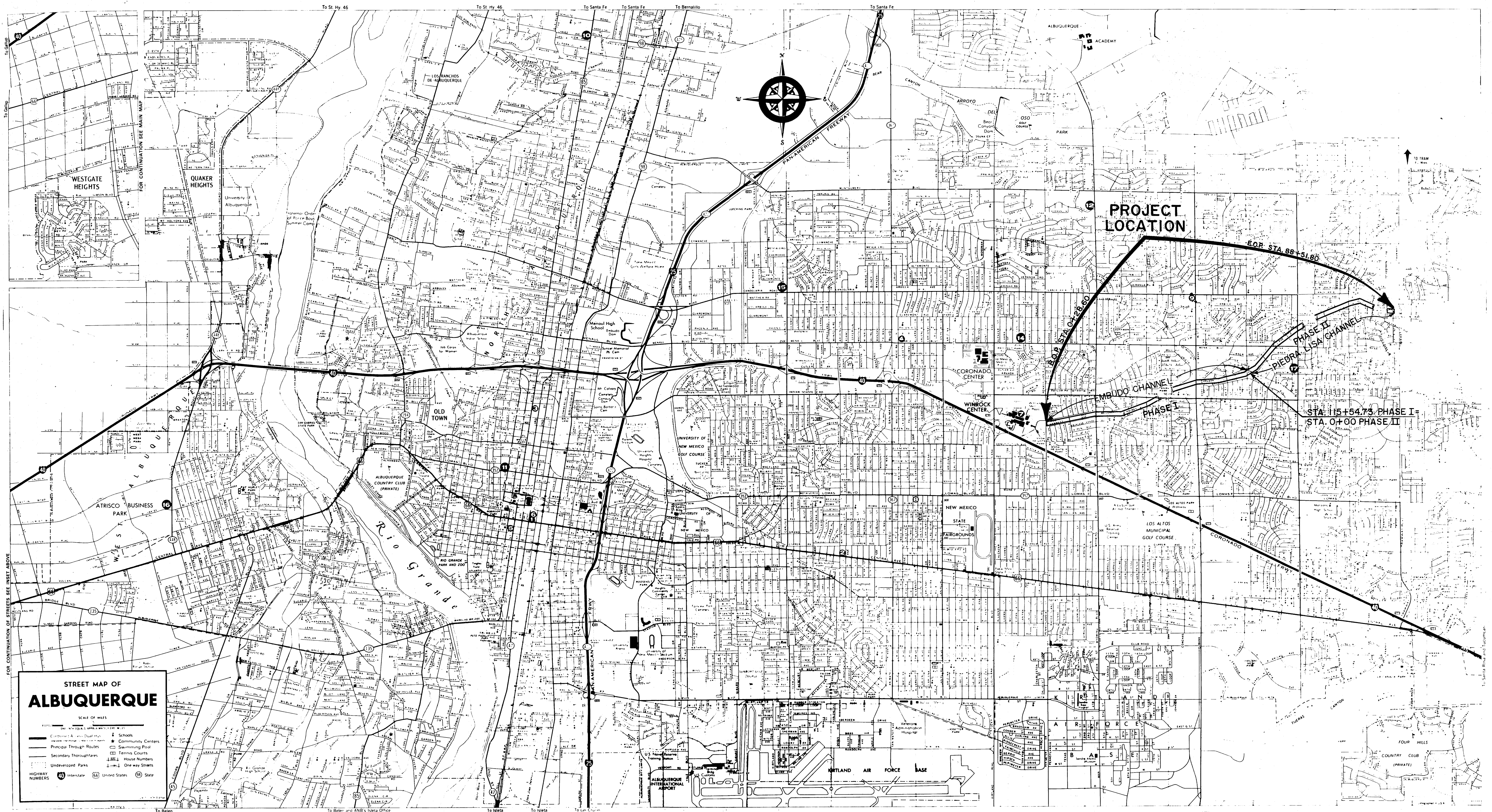
TRAFFIC CONTROL AND SAFETY:

1. The Contractor is cautioned that traffic must be carried through construction. This shall conform with the Sequence of Work as provided in the Sequence of Construction and Detour Plan to be provided by the Contractor in accordance with the specifications. The safe and efficient movement of this traffic is a prime responsibility of the Contractor. Preparation of the Construction Signing and Detour Plan by the Contractor shall be considered incidental to construction.
2. All construction signing for all roadways, premissible detours, open excavations and other incidental work for the completion of this project shall be in accordance with the Manual of Uniform Traffic Control Devices for Streets and Highways, 1978 Edition.
3. Signing and barricading shall include adequate protection against excavation and other hazards to pedestrian traffic.
4. The Contractor shall be required to keep the public apprised through the local news media for the life of this project, of the various construction operations involving street or lane closures or any other pertinent information relating to traffic movement.



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CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE EMBUDO/PIEDRA LISA RECREATIONAL TRAIL					
QUANTITIES & GENERAL NOTES					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		
DRAWING NO.			SHEET 2 OF 25		



AS BUILT

06 0011 03.04

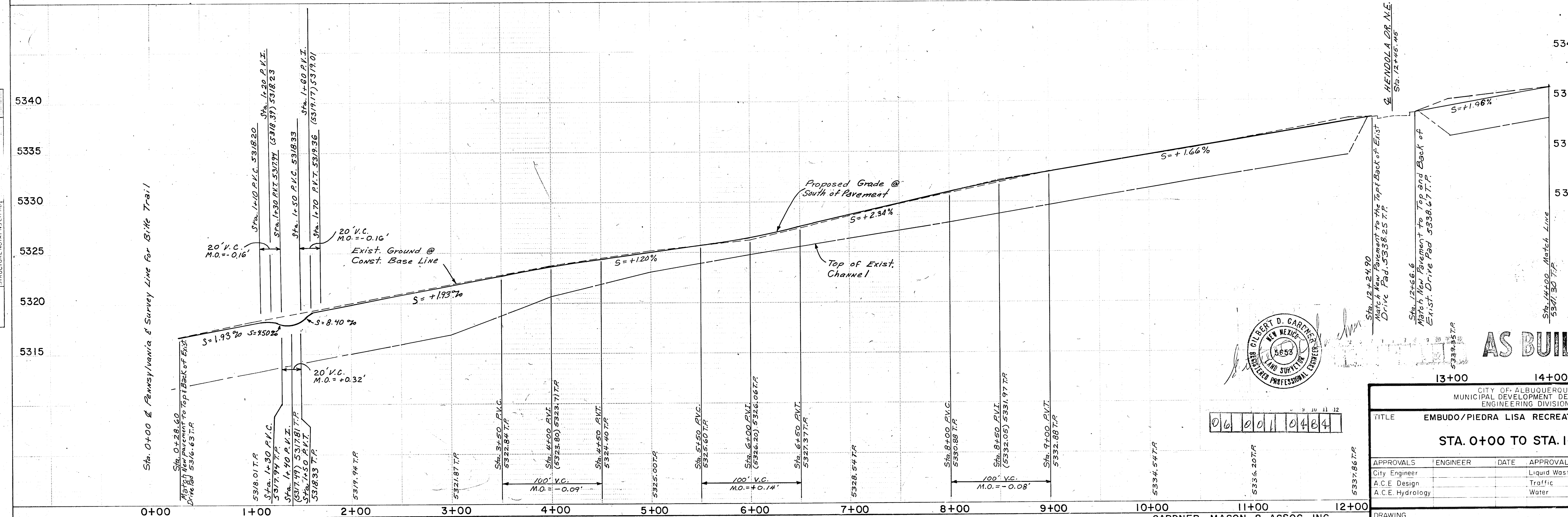
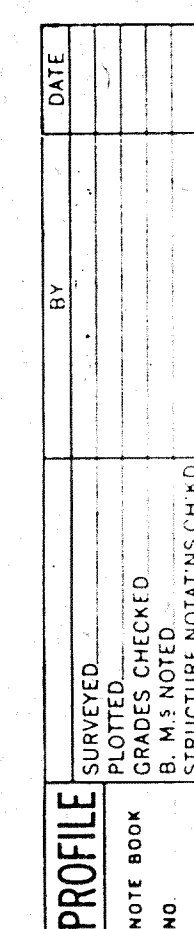
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: EMBUDO/PIEDRA LISA RECREATIONAL TRAIL
LOCATION MAP & LEGEND

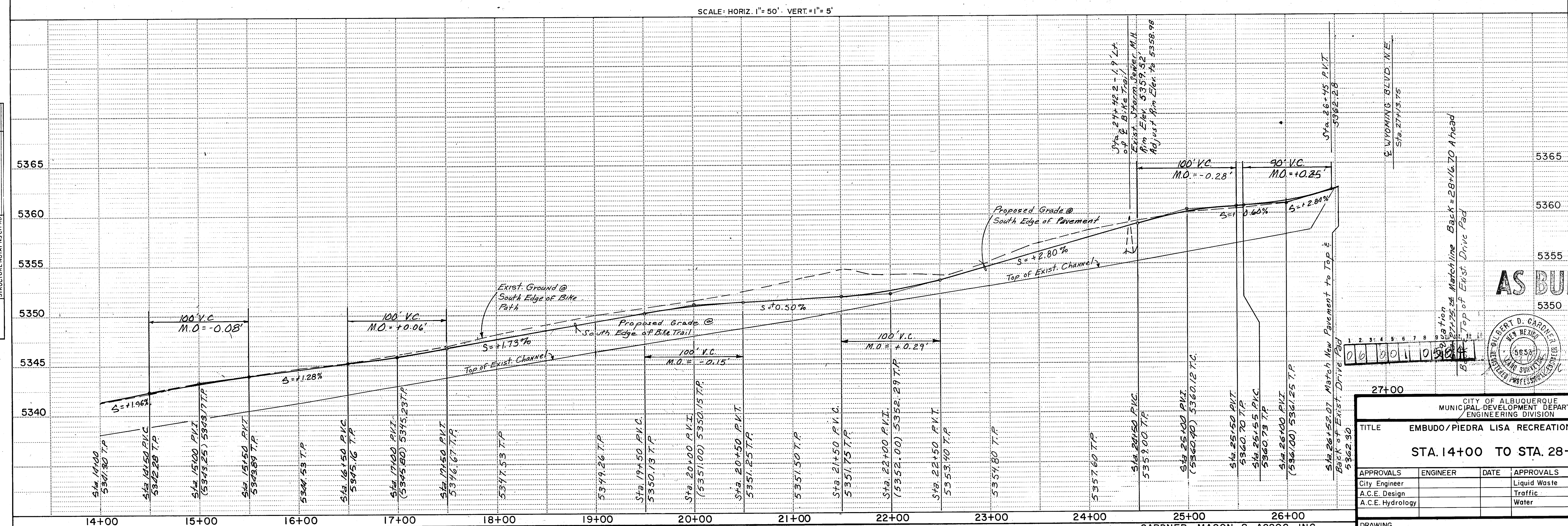
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		

DRAWING NO. SHEET 3 OF 30

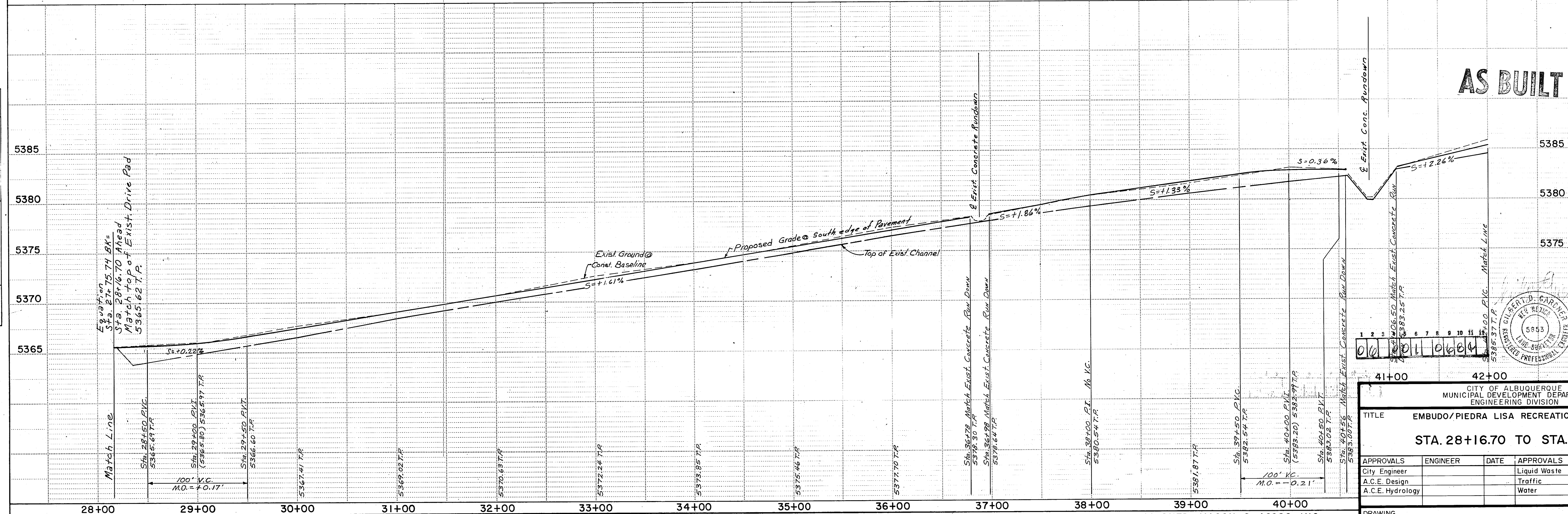
GARDNER, MASON & ASSOC. INC.
ALBUQUERQUE, NEW MEXICO

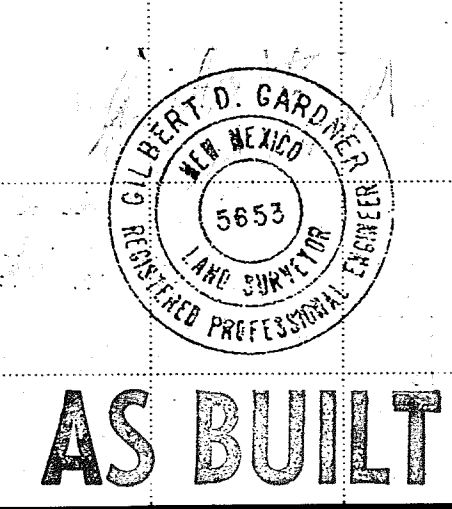
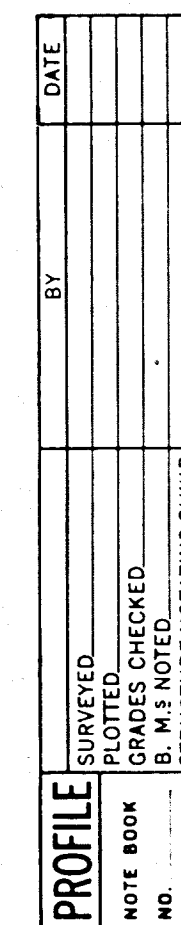
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PROFILE NOTE BOOK NO. _____ © 1988 - 1990	SURVEYED _____		BY _____	DATE _____
	PLOTTED _____			
	GRADES CHECKED _____			
	B. M.'S NOTED _____			
	STRUCTURE NOTATIONS CHECKED _____			

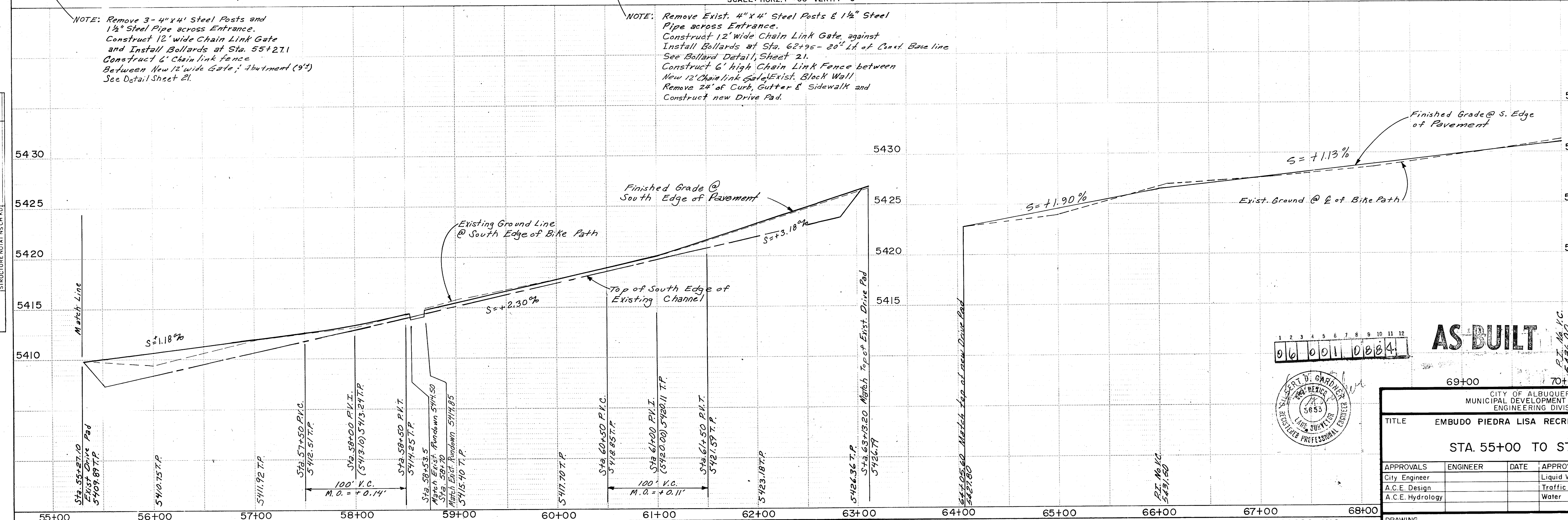
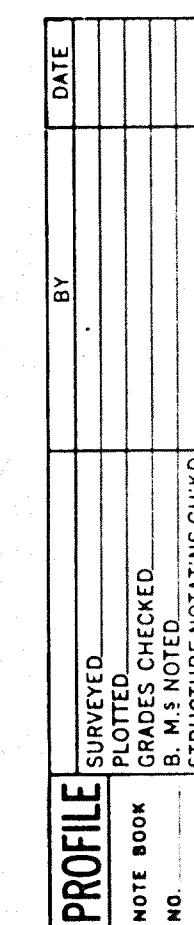
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PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	B. M.'S NOTED		
NO. _____	STATIONING NOTATION: CHW		

[illegible]



SHEET 7 OF 30		DATE	ENGINEER
5+27.10			
ADDITIONAL TRAIL			
DEPARTMENT			
REVISIONS		AS-BUILT INFORMATION	
REFERENCES		BENCH MARKS	
J-20-Z		CONTRACTOR <i>Guyard Brothers</i>	
MAP NO.		DATE	
EST NO.		BY	
W.O. NO.		NO.	
BY		REMARKS	
NO.		DATE	
DESIGNED BY		DRAWN BY	
C.C.		JAN. 1981	
R.R. & P.L.B.		JAN. 1981	
CHECKED BY		DATE	
NO.		RECORDED BY	
MICRO - FILM INFORMATION		DATE	
DRAWING		NO.	
ACCEPTED BY		DATE	
G.D.G.		3/30/83	
CORRECTED BY		DATE	
R.L.B.		3/30/83	
E.K.V. 5394.29		DATE	
REBAR w/cap N Side of		DATE	
Channel Sta. 45+73		DATE	
JAN 81		DATE	
DATE		DATE	



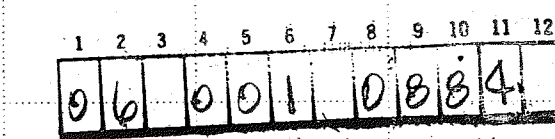
SNOW PARK SPRINKLER LOCATIONS		
STA.	RT.	LT.
64 + 76.10		22.0'
64 + 98.60		7.0'
66 + 86.41	8.2'	
67 + 12.01		4.0'
67 + 39.00		12.0'
67 + 96.00		14.0'
68 + 51.00		12.8'
69 + 07.20		14.3'
69 + 35.20		13.8'
69 + 63.40		12.2'
69 + 91.80		11.7'
70 + 20.00		11.2'
70 + 49.00		10.9'
70 + 77.50		10.0'
71 + 06.30		9.2'
71 + 35.10		7.5'
71 + 63.80	1.5'	

NOTE: Alternate #4 Prefabricated Bridge.
Final Location of Bridge will be
determined by Parks & Recreation Dept.

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

NOTE: Remove 3-4"x4' Steel Posts and
1 1/2" Steel Pipe across Entrance.
Construct 12' wide Chain Link Gate
and Install Bollards at Sta. 55+27.1
Construct 6' Chain link fence
Between New 12' wide Gate; & Abutment (9')
See Detail Sheet 21.

NOTE: Remove Exist. 4"X4" Steel Posts & 1 1/2" Steel Pipe across Entrance.
Construct 12' wide Chain Link Gate against
Install Ballards at Sta. 62+95 - 20' Lt. of Const. Base line
See Ballard Detail, Sheet 21.
Construct 6' high Chain Link Fence between
New 12' Chain Link Gate & Exist. Block Wall
Remove 24" of Curb, Gutter & Sidewalk and
Construct new Drive Pad.



AS-BUILT

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

STA. 55+00 TO STA. 70+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		

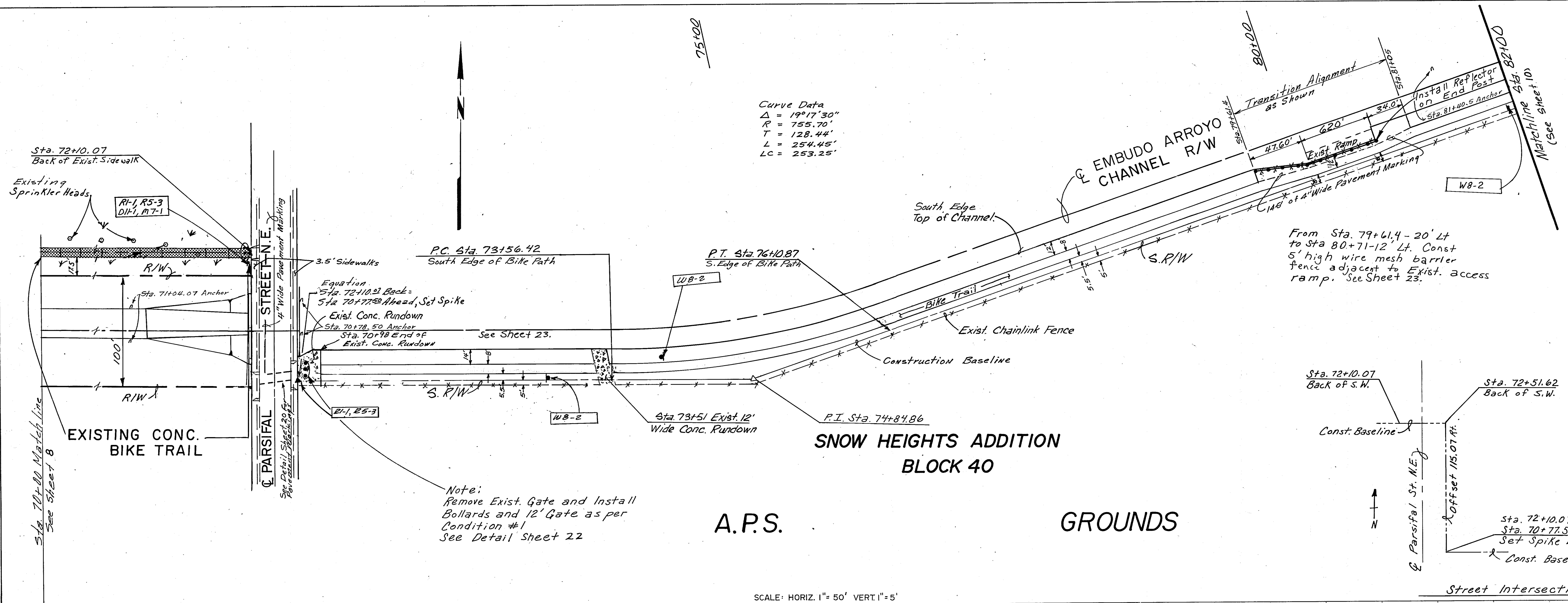
00	DRAWING NO.	SHEET 8 OF ²⁵ 30
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SHEET 8 OF ²⁵~~30~~

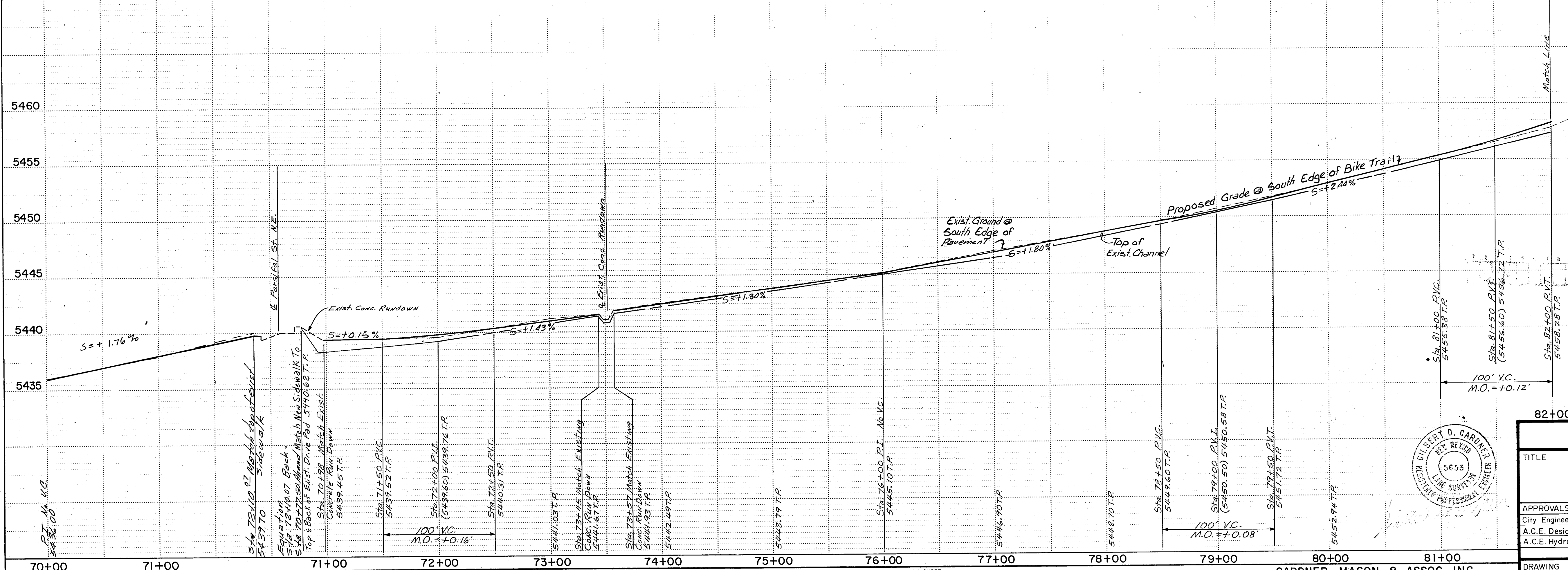
GARDNER, MASON & ASSOC., INC.
ALBUQUERQUE, NEW MEXICO

PLAN	DATE	BY
SURVEYED		
NOTED		
ALIGNED		
CHECKED		
RT. OF WAY		

PROFILE	DATE	BY
SURVEYED		
NOTED		
ALIGNED		
CHECKED		
RT. OF WAY		

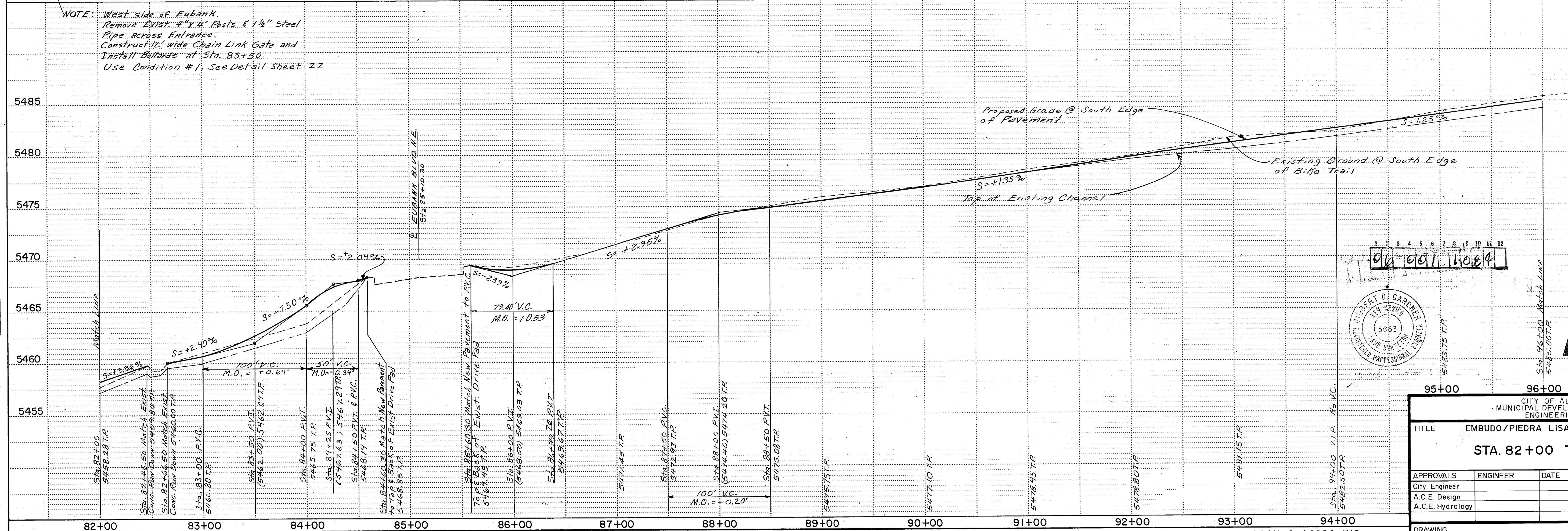
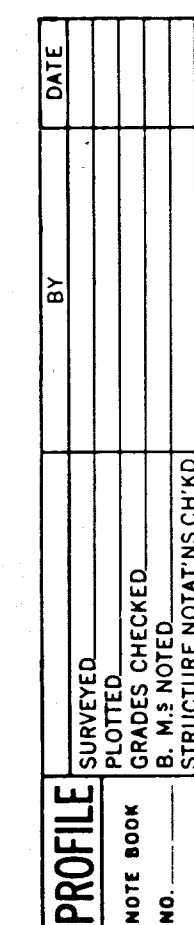


SCALE: HORIZ. 1" = 50' VERT. 1" = 5'



CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE EMBUDO/PIEDRA LISA RECREATIONAL TRAIL					
STA. 69+00 TO STA. 82+00					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		
DRAWING NO.			SHEET 9 OF 25		

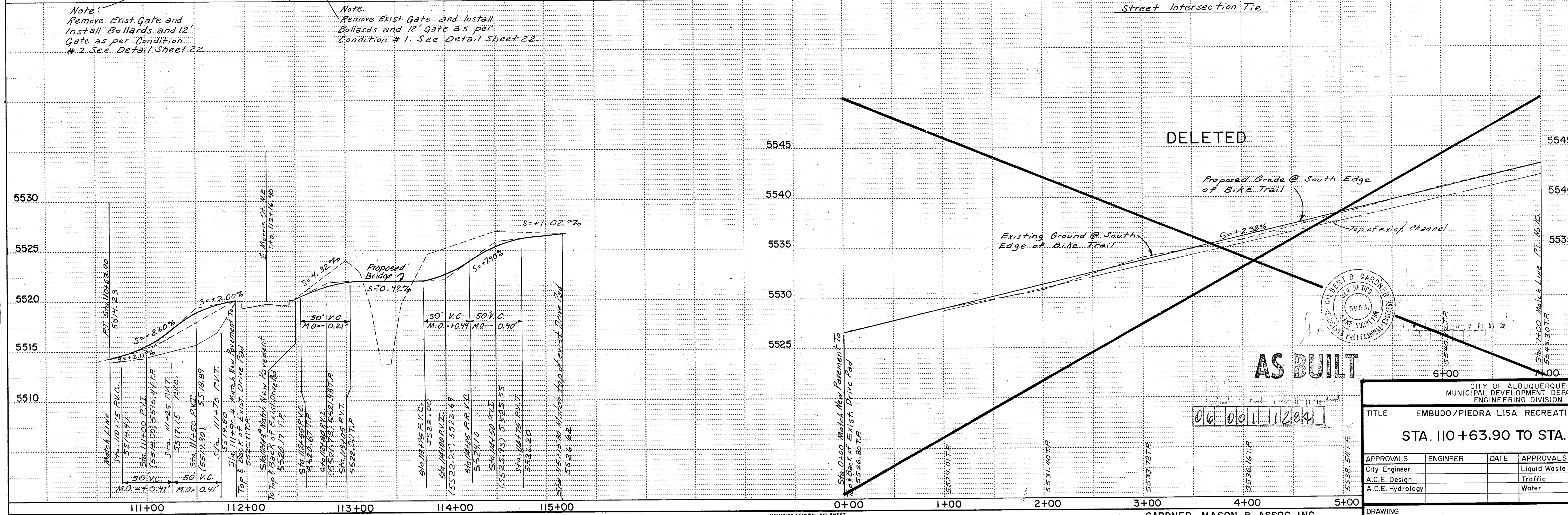
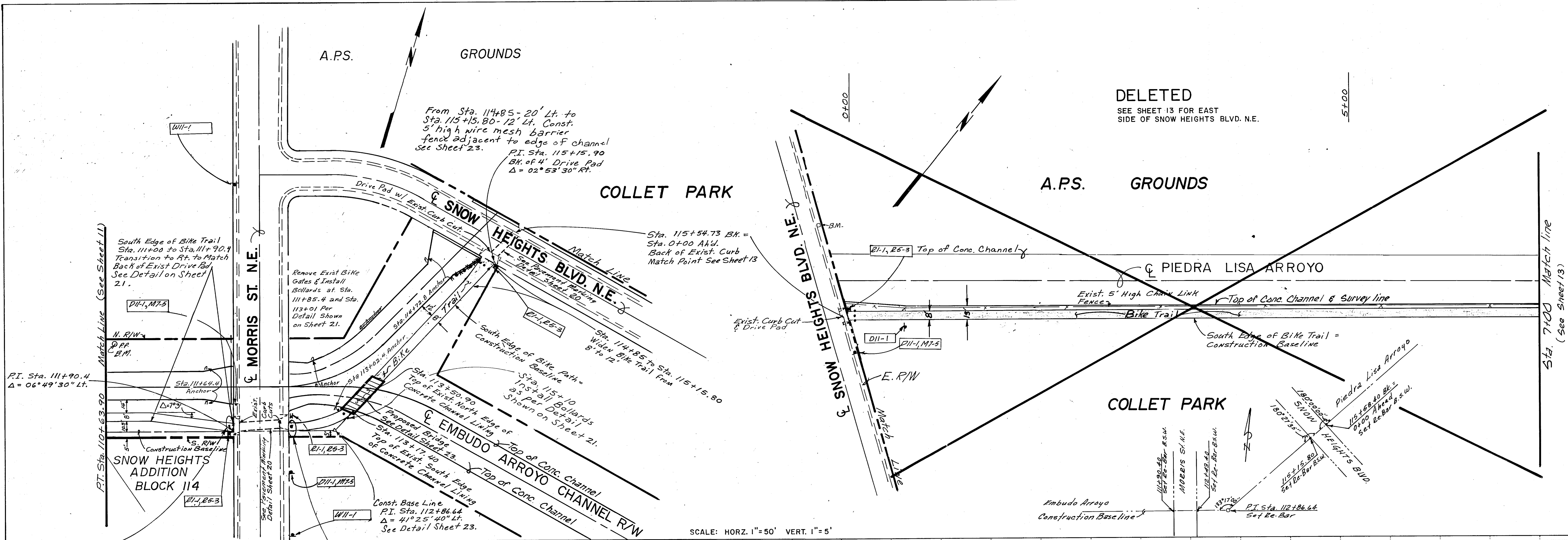
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CONTRACTOR Gardner Brothers	DATE 8/30/83	DATE 8/30/83	MAP NO. H-20-2	NO.
Work Accepted By G.D.G.	DATE 8/30/83	DATE 8/30/83	EST. NO.	NO.
Drawing By RLB	DATE 8/30/83	DATE 8/30/83	W.O. NO.	NO.
CHECKED BY RLB	DATE 8/30/83	DATE 8/30/83		NO.
RECORDED BY RLB	DATE 8/30/83	DATE 8/30/83		NO.
NO.				NO.



REVISIONS			REFERENCES			SURVEY INFORMATION			BENCH MARKS		AS-BUILT INFORMATION	
			MAP NO.	EST NO.	W.O. NO.	NO.	DATE	BY			CONTRACTOR <i>Gaylord Brothers</i>	
											Work Accepted By	<i>G. D. G.</i> Date <i>3/30/83</i>
								<i>R.H.</i>			Drawing Corrected By	<i>R.L.B.</i> Date <i>3/30/83</i>
											MICRO-FILM INFORMATION	
											Recorded By	Date
											No.	
								</				

PLAN	DATE	BY	DATE
SURVEYED			
ALIGNED			
CHECKED			
RT OF WAY CHECKED			
NO.			

PROFILE	DATE	BY	DATE
SURVEYED			
PLOTTED			
CHECKED			
NO.			



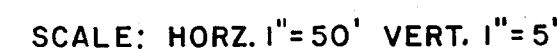
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CONTRACTOR	DATE	BY	MAP NO.	EST NO.	W.O. NO.	MAP NO.	EST NO.	W.O. NO.	NO.	DATE	BY
Gaylord Brothers	3/30/83	Accepted By									
Accepted By	3/30/83	Drawn By									
Drawn By	3/30/83	Checked By									
Checked By	3/30/83	Recorded By									
Recorded By	3/30/83	Design									
Design	3/30/83	Date									
Date	3/30/83	Drawn By									
Drawn By	3/30/83	Checked By									
Checked By	3/30/83										

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE					
EMBUDO/PIEDRA LISA RECREATIONAL TRAIL					
STA. 110+63.90 TO STA. 115+54.73					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		
DRAWING NO.	SHEET 12 OF 25				

PLATE 1-SINGLE PLAN AND PROFILE-FULL DOT
PRINTED IN U.S.A.

GARDNER, MASON & ASSOC. INC.
ALBUQUERQUE, NEW MEXICO

NOTE: Remove Exist. Pipe Barriers
in Channel Bottom on West
side of Martha St.



APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		

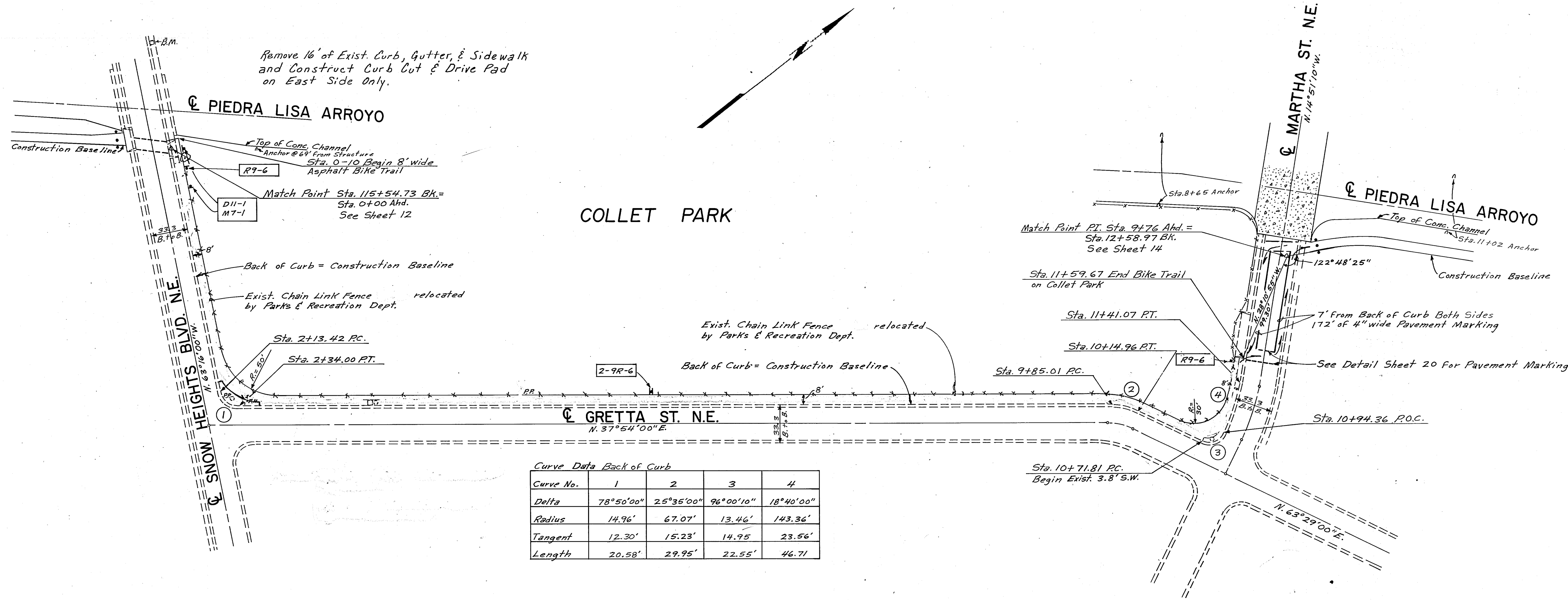
DRAWING NO.	SHEET 14 OF ²⁵ 30
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REVISIONS		REFERENCES			SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
NO.	DATE	BY	DESIGN	REMARKS	NO.	W.O. NO.	DATE	CONTRACTOR	DATE	BY
1	Jan. 1981							Top S.E. Corner of South	3/30/83	
2	Jan. 1981							Accepting By G.D.G.		
3	Jan. 1981							Corrected By R.L.B.		
4	Jan. 1981							Drawing By R.L.B.		
5	Jan. 1981							Recorded By		
6	Jan. 1981							No.		
7	Jan. 1981							DATE		
8	Jan. 1981							DATE		
9	Jan. 1981							DATE		
10	Jan. 1981							DATE		
11	Jan. 1981							DATE		
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40	Jan. 1981							DATE		
41	Jan. 1981							DATE		
42	Jan. 1981							DATE		
43	Jan. 1981							DATE		
44	Jan. 1981							DATE		
45	Jan. 1981							DATE		
46	Jan. 1981							DATE		
47	Jan. 1981							DATE		
48	Jan. 1981							DATE		
49	Jan. 1981							DATE		
50	Jan. 1981							DATE		
51	Jan. 1981							DATE		
52	Jan. 1981							DATE		

AS BUILT

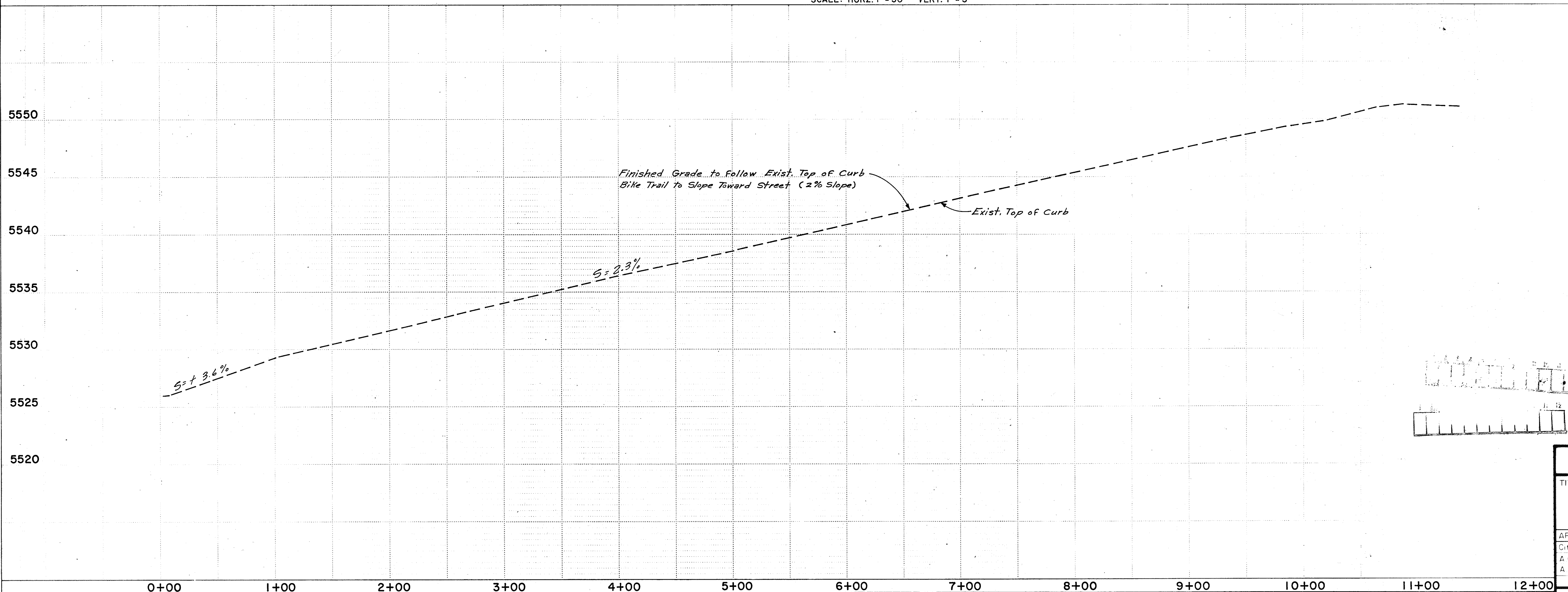
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	NO		
NOTE BOOK	NOTED	BY	DATE
	NO		

PROFILE	NOTED	BY	DATE
	NO		
NOTE BOOK	NOTED	BY	DATE
	NO		



Curve Data Back of Curb				
Curve No.	1	2	3	4
Delta	78°50'00"	25°35'00"	96°00'10"	18°40'00"
Radius	14.96'	67.07'	13.46'	143.36'
Tangent	12.30'	15.23'	14.95'	23.56'
Length	20.58'	29.95'	22.55'	46.71'

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

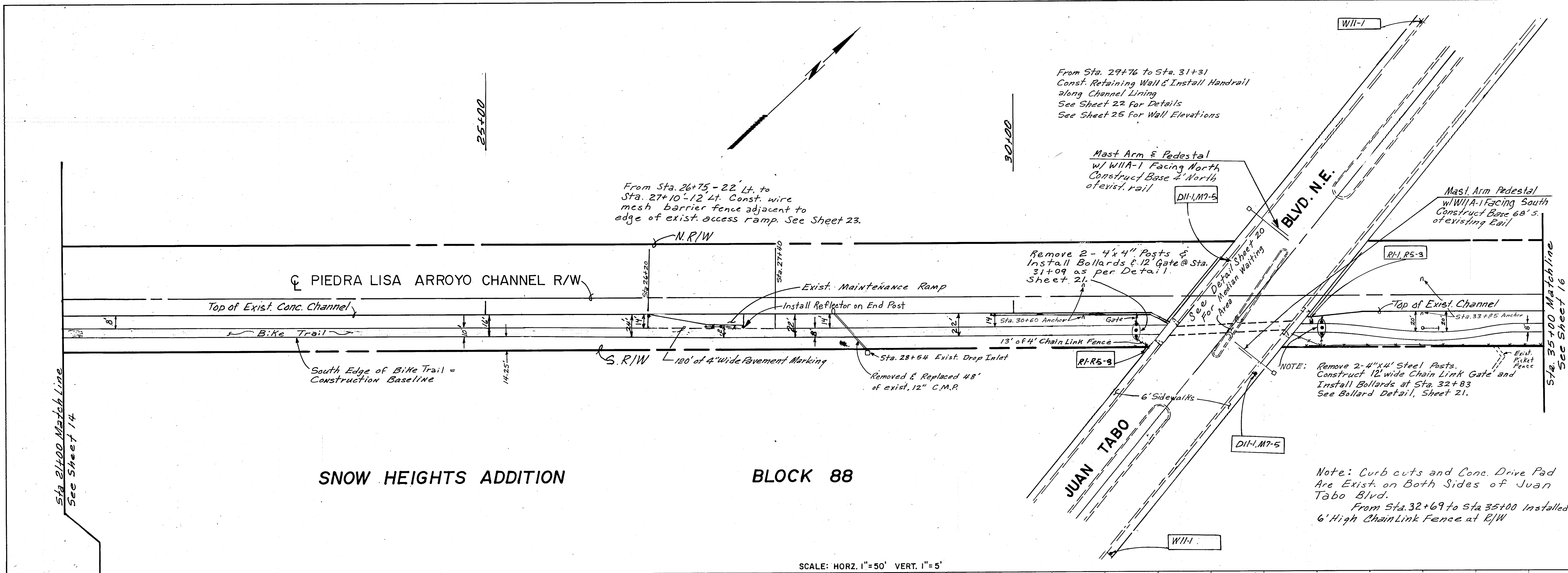


06 00 1304
AS BUILT

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE EMBUDO/PIEDRA LISA RECREATIONAL TRAIL STA. 0+00 TO STA. 12+58.97					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		
DESIGNED BY	C.C.	DATE	4/1/82		
DRAWN BY	R.B.	DATE	4/5/82		
CHECKED BY					

PLAN	DATE
SURVEYED	BY
PLOTTED	BY
CHECKED	BY
NOTED	BY
RT OF WAY CHECKED	BY

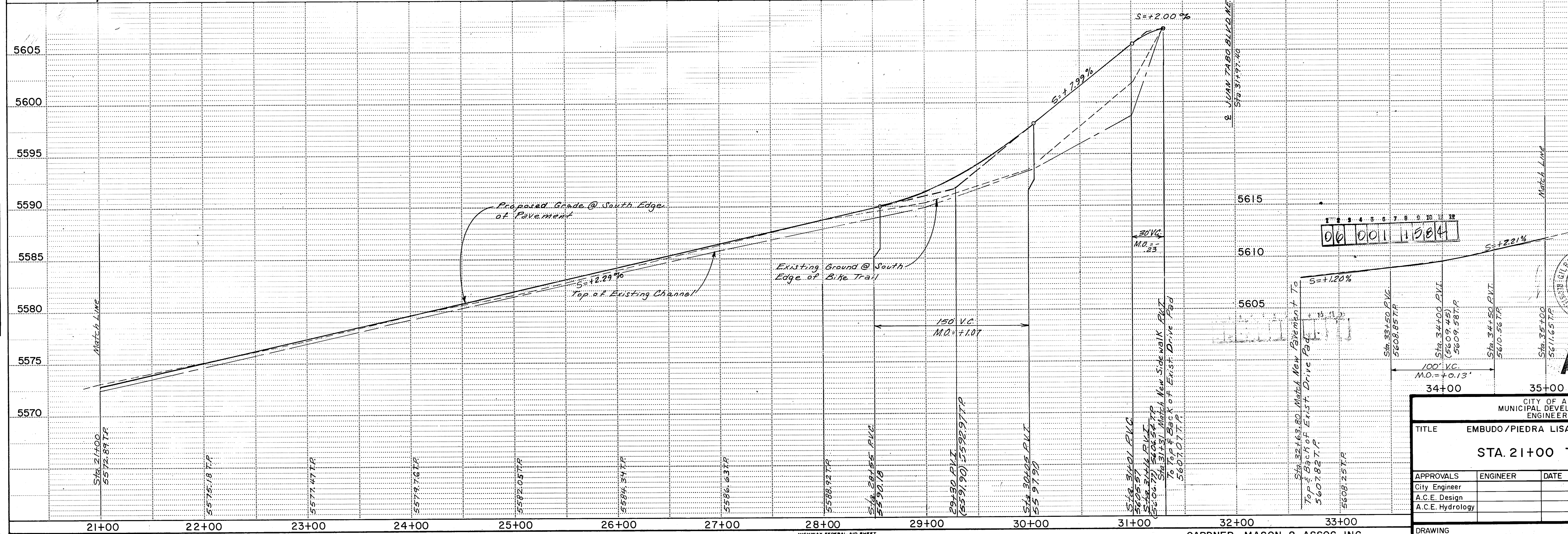
PROFILE	DATE
SURVEYED	BY
PLOTTED	BY
CHECKED	BY
NOTED	BY
STRUCTURE NOTATION CHECKED	BY



SNOW HEIGHTS ADDITION

BLOCK 88

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

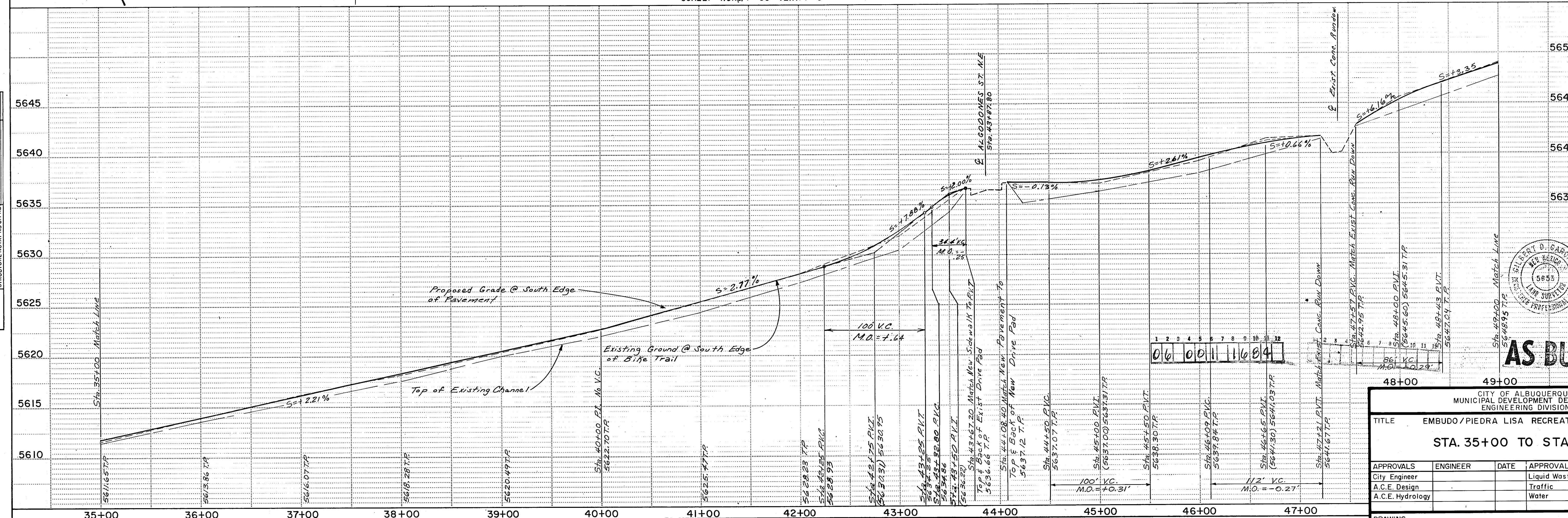


AS BUILT

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: EMBUDO/PIEDRA LISA RECREATIONAL TRAIL					
STA. 21+00 TO STA. 35+00					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		
DRAWING NO.			SHEET 15 OF 30		

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		REFERENCES		REVISIONS		REMARKS	
CONTRACTOR	Gardner Brothers	Work	Accented By	DATE	BY	MAP NO.	EST NO.	NO.	W.O. NO.	NO.	DATE
Work	3/30/83	DATE	3/30/83	DATE	3/30/83						
Drawn By	RRB	DATE	3/30/83	DATE	3/30/83						
Recorded By	RRB	DATE	3/30/83	DATE	3/30/83						
Checked By	RRB	DATE	3/30/83	DATE	3/30/83						

PROFILE NOTE BOOK NO. _____	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
	GRADES CHECKED _____		
	B. M.'S NOTED _____		
	STRUCTURE NOTATIONS CHECKED _____		

[illegible]

PLAN	DATE	BY
SURVEYED		
PLANNED		
NOTED		
RT OF WAY CHECKED		
NO.		

PROFILE	DATE	BY
SURVEYED		
PLANNED		
NOTED		
STRUCTURE NOTATIONS		
NO.		

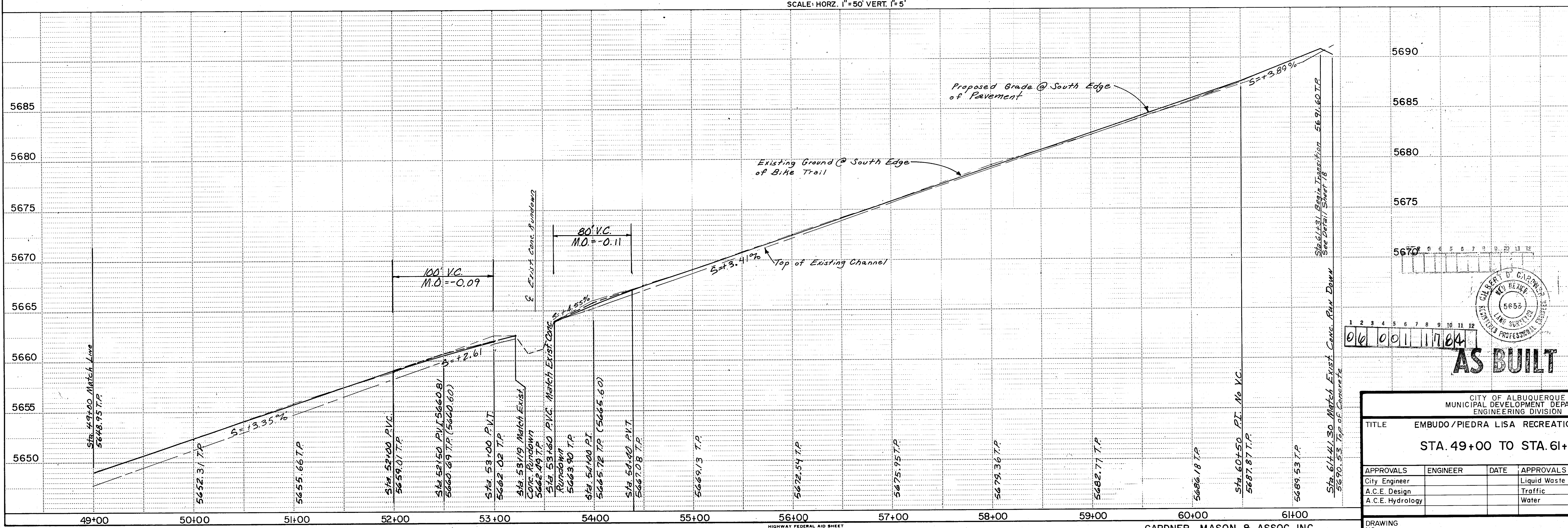
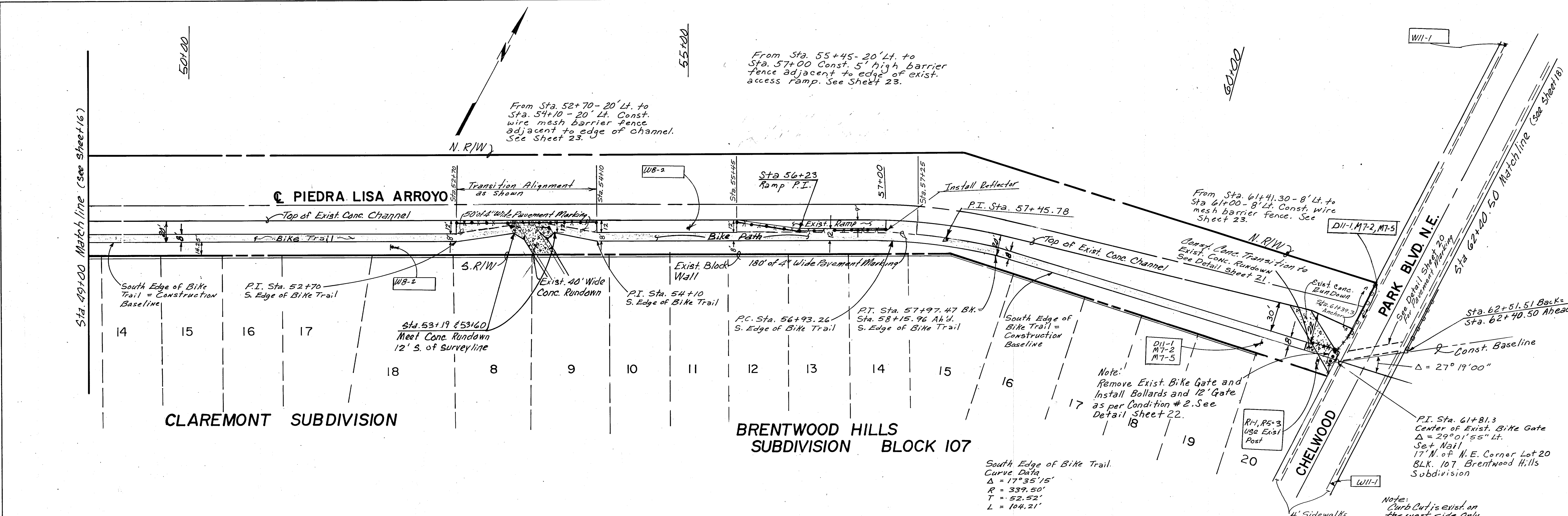
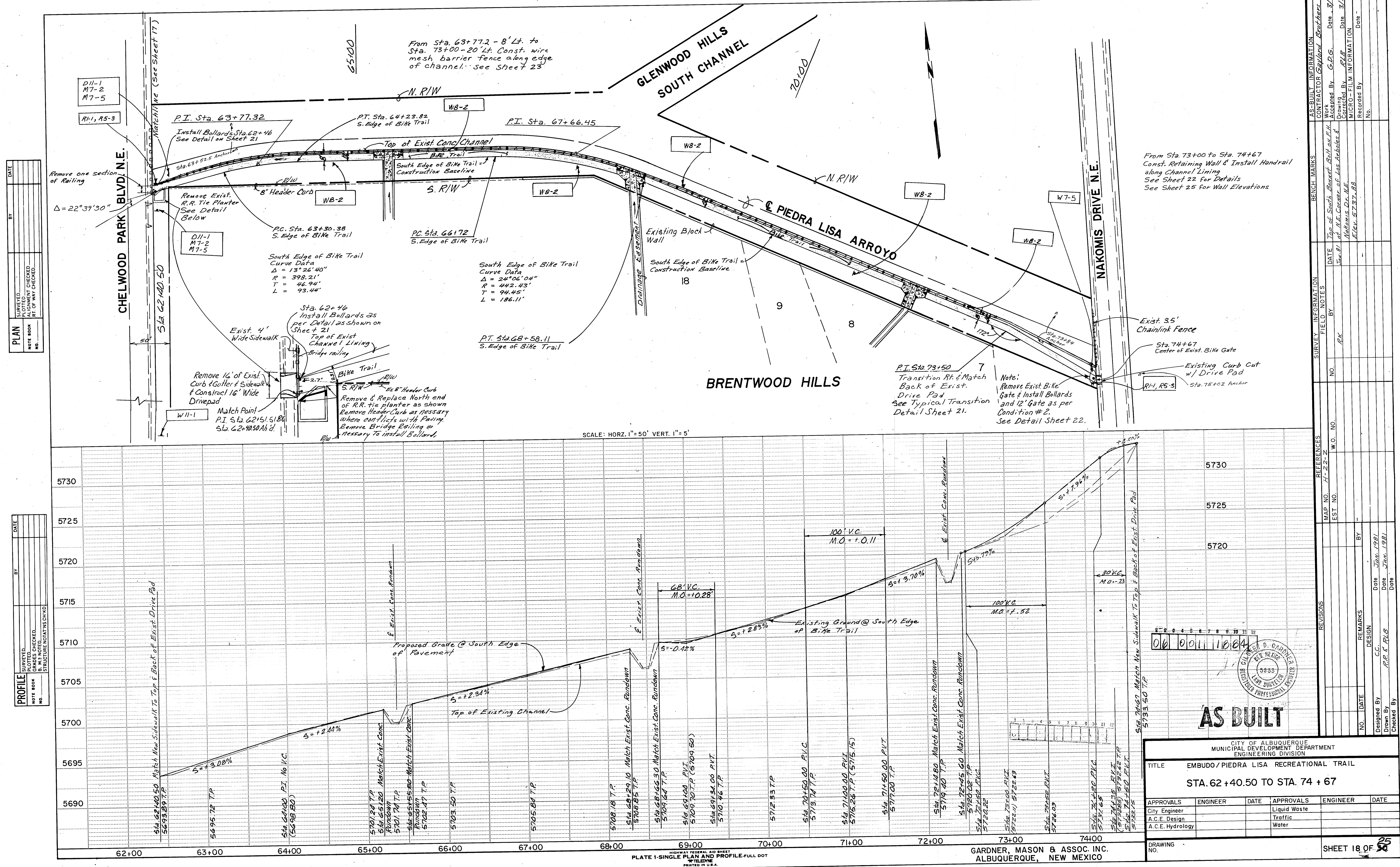


PLATE 1-SINGLE PLAN AND PROFILE-FULL DOT
PRINTED IN U.S.A.

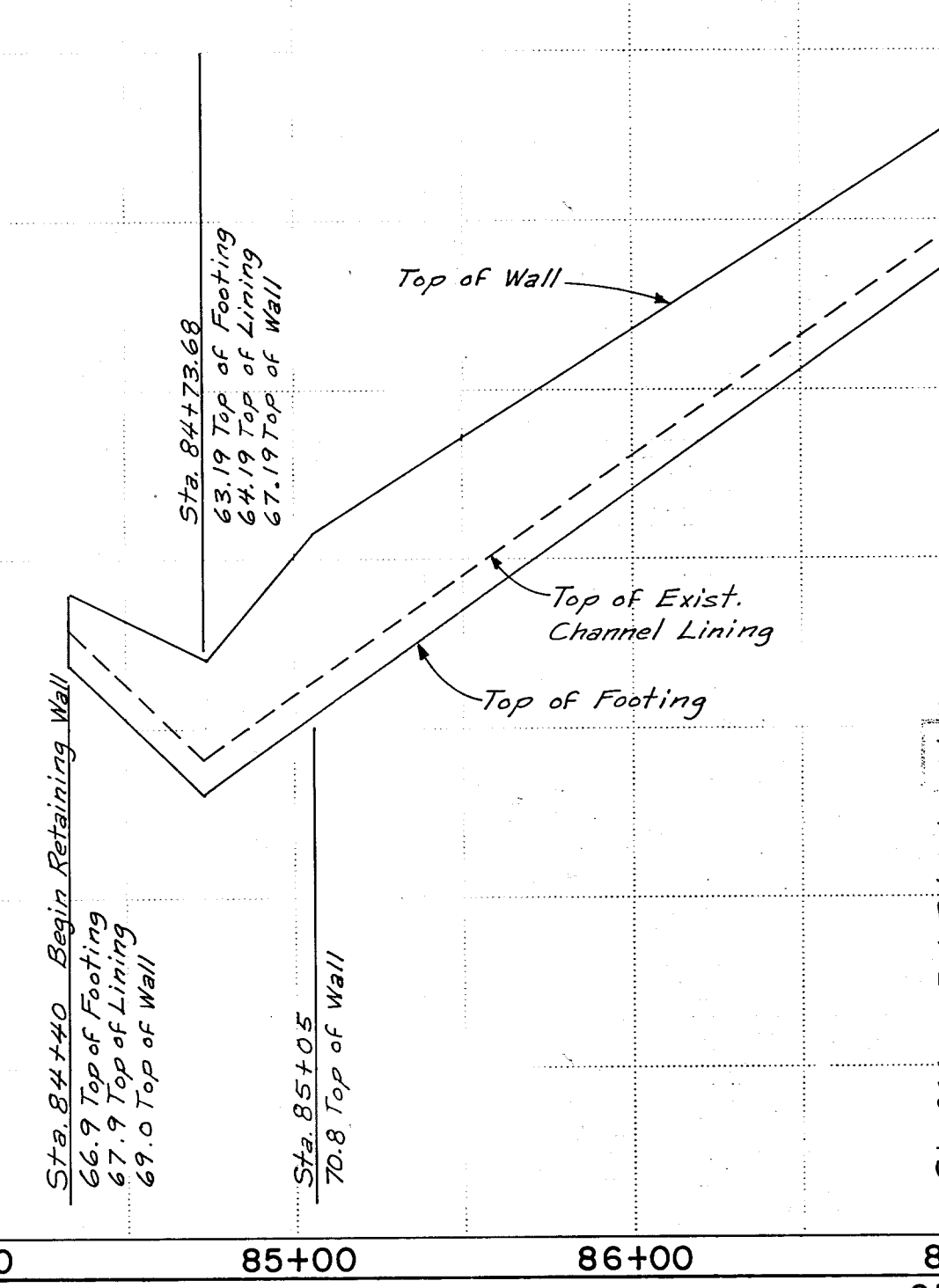
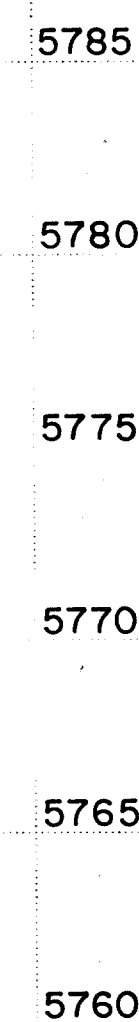
GARDNER, MASON & ASSOC. INC.
ALBUQUERQUE, NEW MEXICO

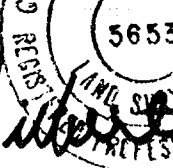
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TITLE: EMBUDO/PIEDRA LISA RECREATIONAL TRAIL					
STA. 49+00 TO STA. 61+61.30					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic Waste		
A.C.E. Hydrology			Water		
DRAWING NO.			SHEET 17 OF 30		

AS-BUILT INFORMATION	BENCH MARKS	SURVEY INFORMATION	REFERENCES	REVISIONS
CONTRACTOR: Gardner, Mason & Assoc. Inc.	Checked: [] or []	FIELD NOTES	MAP NO. H-22-2	
Work Accepted By: G.D.G.	DATE: 3/30/83	BY: R.H.	EST. NO.	
Drawing: []	DATE: 3/30/83			
Corrected By: []	DATE: []			
MICRO-FILM INFORMATION				
Recorded By: []				
No.				

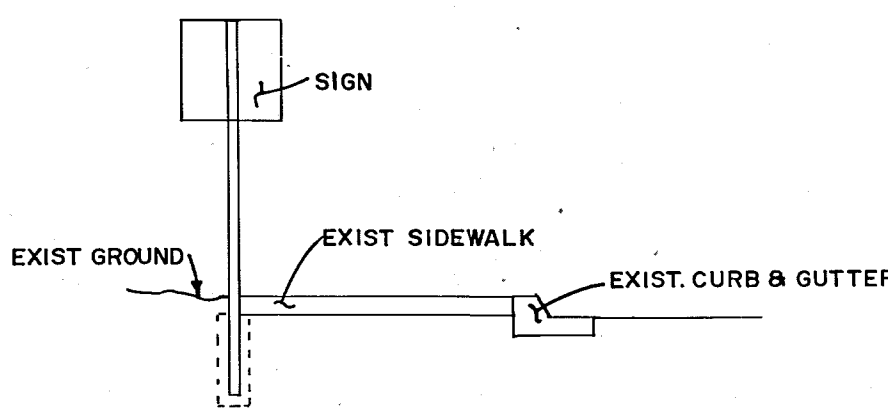
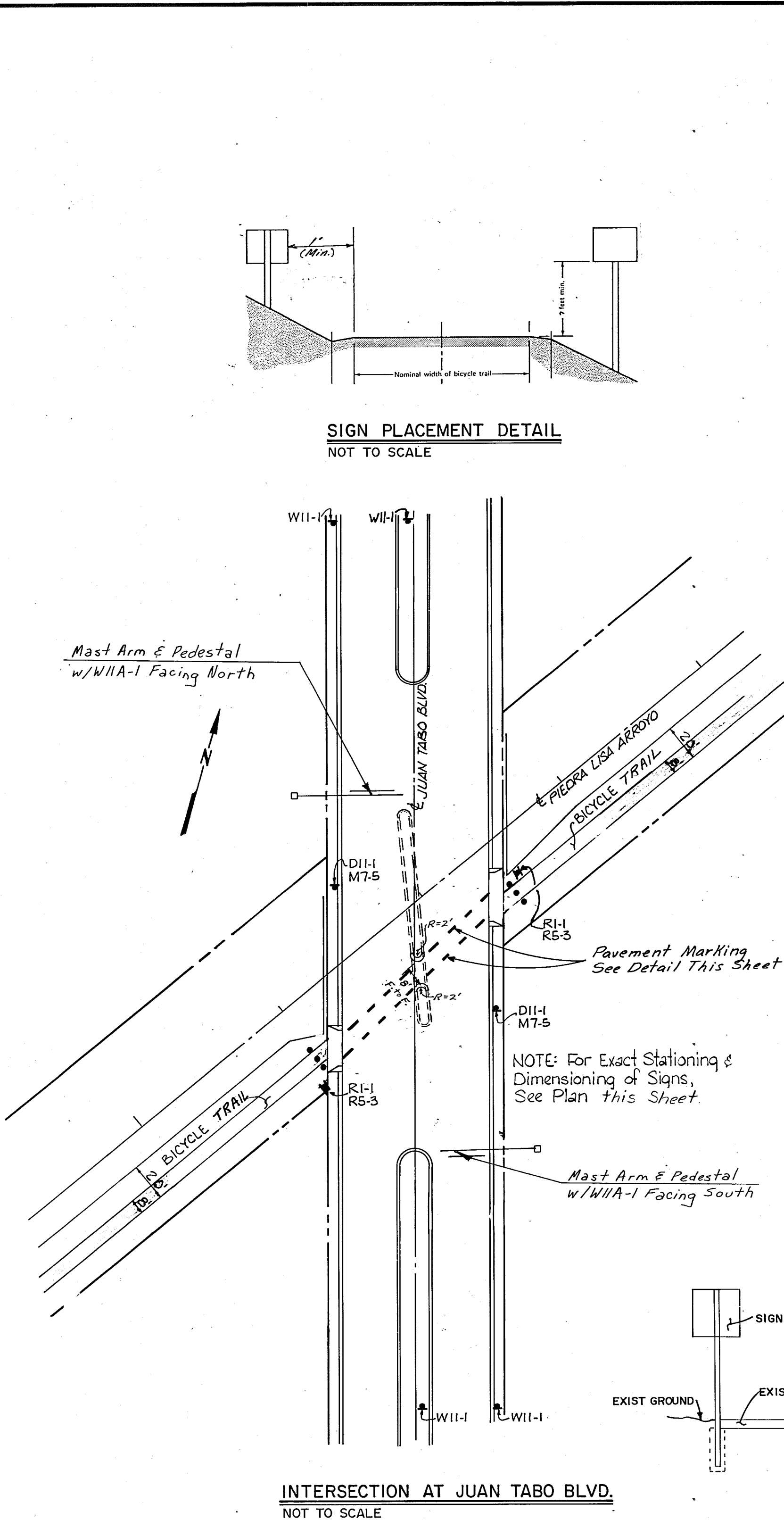


PROFILE	SURVEYED _____	BY _____	DATE _____
NOTE BOOK _____	PLOTTED _____		
NO. _____	GRADES CHECKED _____		
	B. M.'S NOTED _____		
	CONSIDERED SUFFICIENTLY ALLOWED _____		

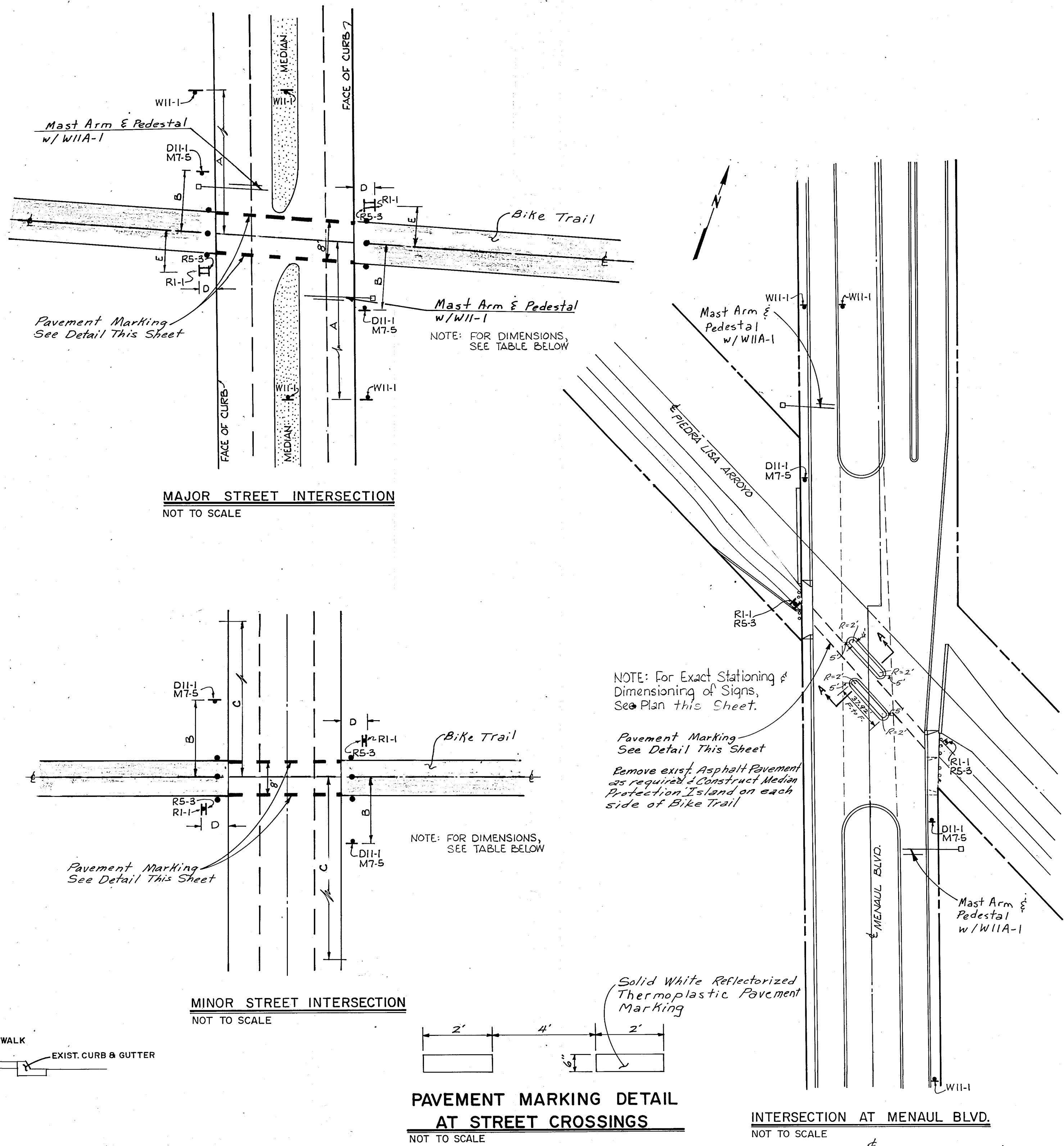


 <i>Gilbert D. Gardner</i>	AS BUILT	NO. DATE	DESIGNED BY C.C.	DRAWN BY A.H.	CHECKED BY
CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE EMBUDO / PIEDRA LISA RECREATIONAL TRAIL					
STA. 84+33.88 TO STA. 88+51.80 ADDITIVE ALTERNATE #4					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		
DRAWING NO.			SHEET 19 OF 25		

FEDERAL HWY. ADMINISTRATION SIGN NUMBER	SIZE	COLOR	APPEARANCE
LOCATION			
R1-1 @ All Street Crossings with Limited Sight Distance	18" x 18"	Red with White Letters	
R1-2 At Crossings where Sight Distance Permits Visibility of Vehicular Traffic	24" x 24" x 24"	Red with White Letters	
R5-3 @ All Locations where Motor Vehicles have Ready Access to Bike Trail	24" x 24"	White with Black Letters	
W1-1 No Less than 50' Prior to Change in Alignment	18" x 18"	Yellow w/ Black Letters	
W1-2	"	"	
W1-4	"	"	
W2-1 150' - 200' Before Each Street Crossing	"	"	
W2-4	"	"	
W3-1 100' Before Any Intersection where Stop Signs are not Clearly Visible	"	"	
W5-4 50' Before Gates	"	"	
W7-5 At Locations where Grades are excessive	"	"	
W8-10 Where Conditions Exist that are Likely to cause Loss of Control	"	"	
W11-1 On Roadways	36" x 30" Antennals	"	
W11A-1 On Mast Arm	30" x 30" Collector Residential	"	
W8-2 50' in Advance of any Dip	18" x 18"	"	
R9-6 Off the Edge of Sidewalk, where Bicycles are Required to Cross or Share Footcrossover Facilities	12" x 18"	White with Black Letters	
R7-9 Where Necessary to Restrict Parking in a Designated Bicycle Crossing	6" x 18"	Red w/ White	
W11-1	30" x 30"	Yellow w/ Black	



FHWA SIGN NO.	LOCATION	SIZE	COLOR	APPEARANCE
D11-1	To be placed at Intervals and Changes of Route	24" x 18"	Green w/ White	
M7-5	In advance of Bike Route Crossing	12" x 9"	Green w/ White	
M7-2	In advance of Change in Route Direction	12" x 9"	Green w/ White	
M7-6	To be used w/ Route Marker	12" x 9"	Green w/ White	
M7-1		12" x 9"	Green w/ White	



PAVEMENT MARKING DETAIL
AT STREET CROSSINGS
NOT TO SCALE

INTERSECTION AT MENAUL BLVD.
NOT TO SCALE

DIMENSION LABEL	DIMENSIONING FROM	TO	FHWA TYP. DIMENSION
A	Path to Sign	to Sign	500'
B	"	"	25'
C	Path to Sign	to Sign	250'
D	"	"	5'
E	Path to Sign	to Sign	5' to 7'

NOTE:
Traffic Signs to be placed along the Streets are included in the Base Bid. Traffic Signs along the Bike Trail are included in the Additive Alternate No. 2.

GARDNER, MASON & ASSOC. INC.
ALBUQUERQUE, NEW MEXICO

AS BUILT

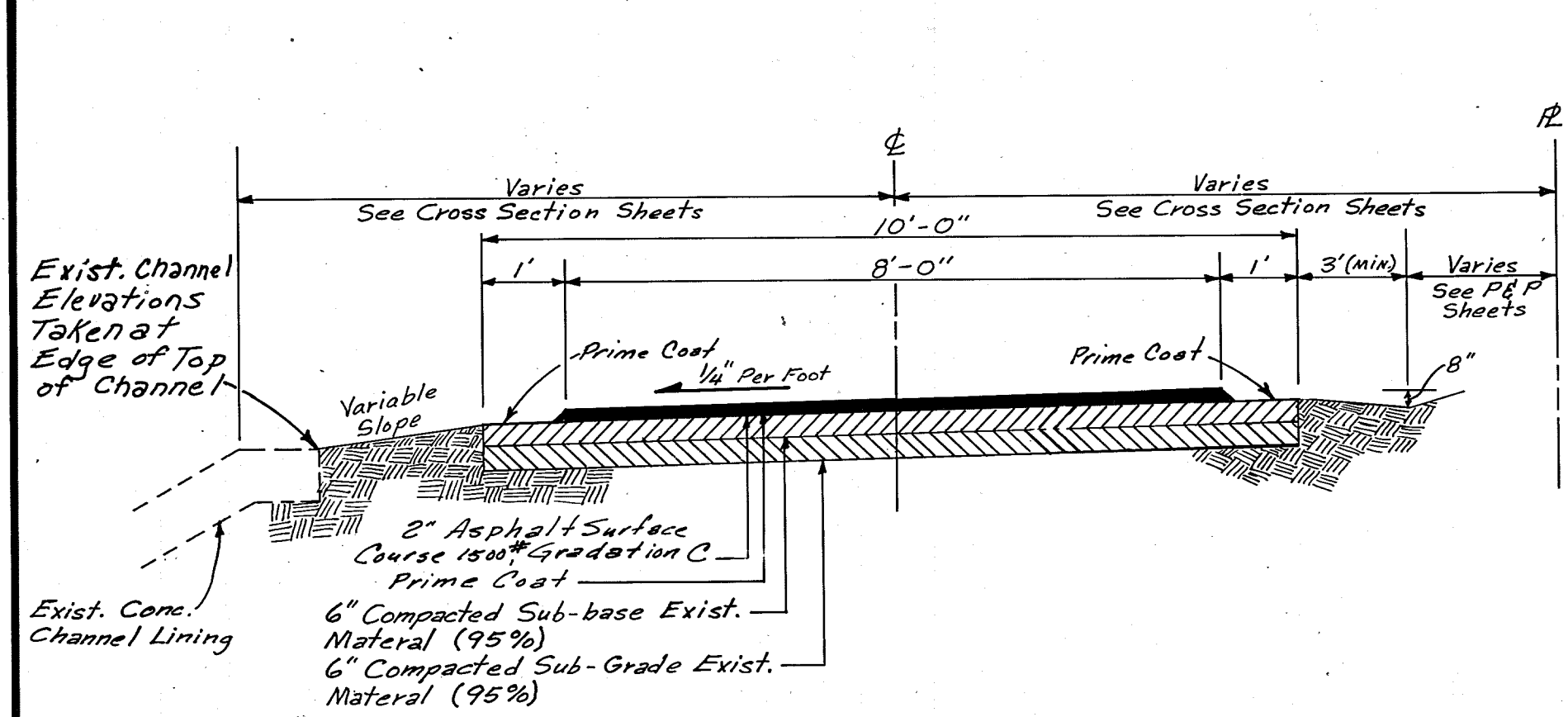
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: EMBUDO/PIEDRA LISA RECREATIONAL TRAIL

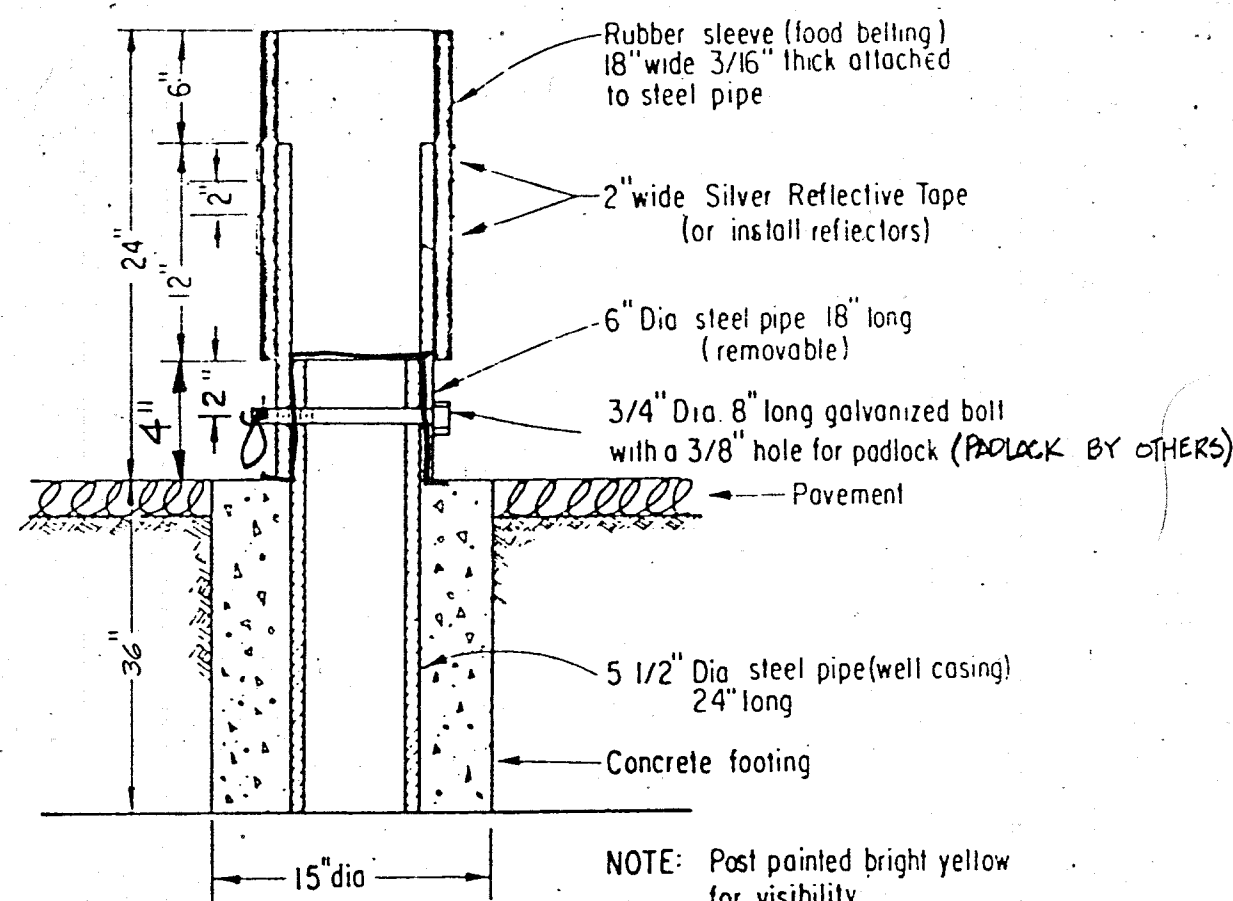
DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		

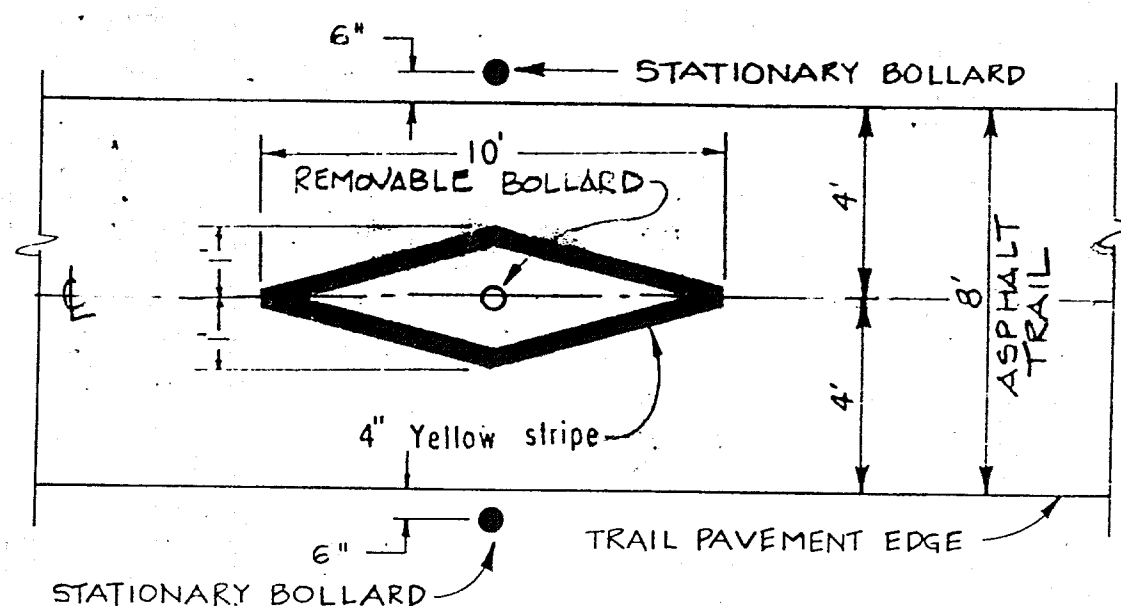
DRAWING NO. SHEET 20 OF 36



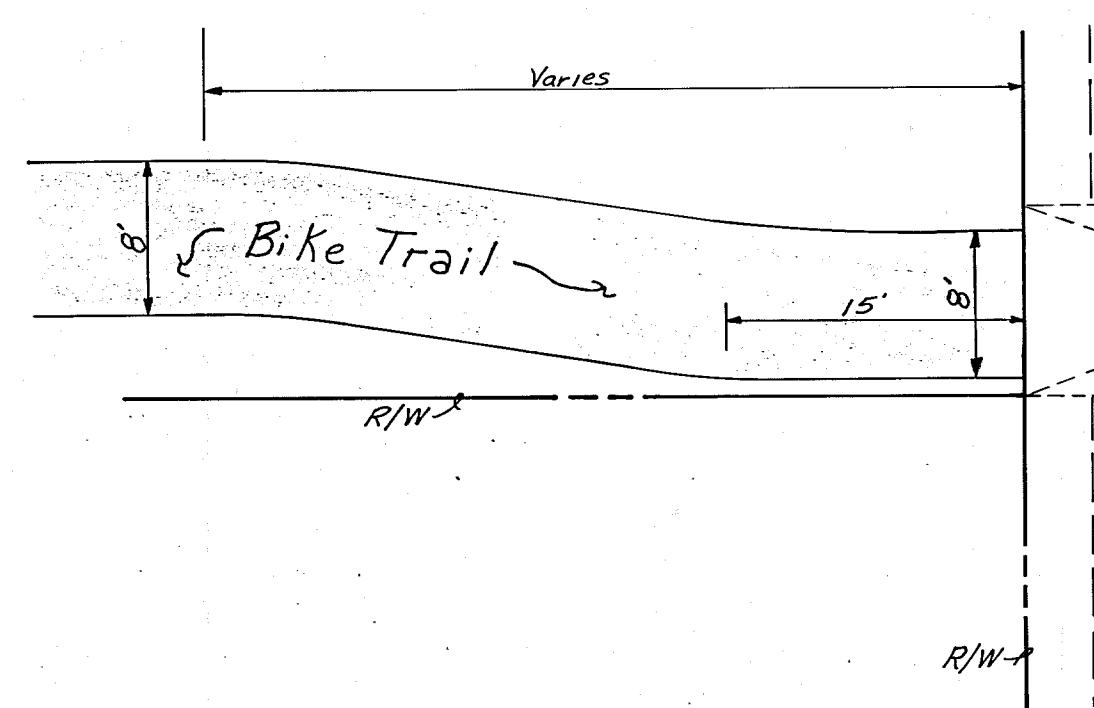
TYPICAL BIKE TRAIL SECTION
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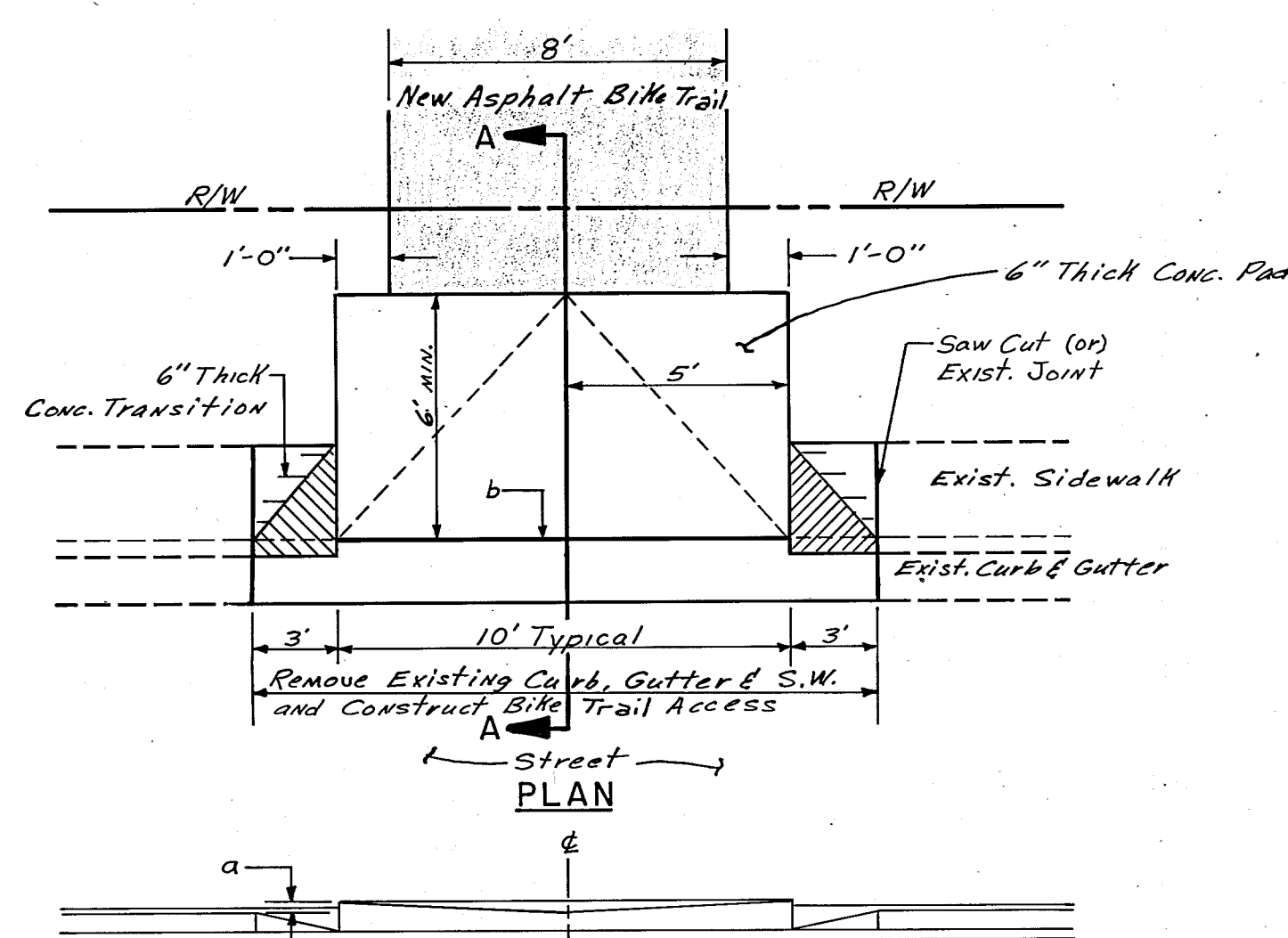
SECTION REMOVABLE BOLLARD DETAIL



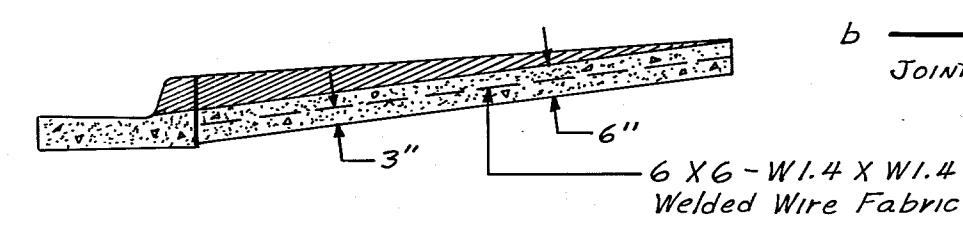
PLAN VIEW TYPICAL BOLLARD LOCATION



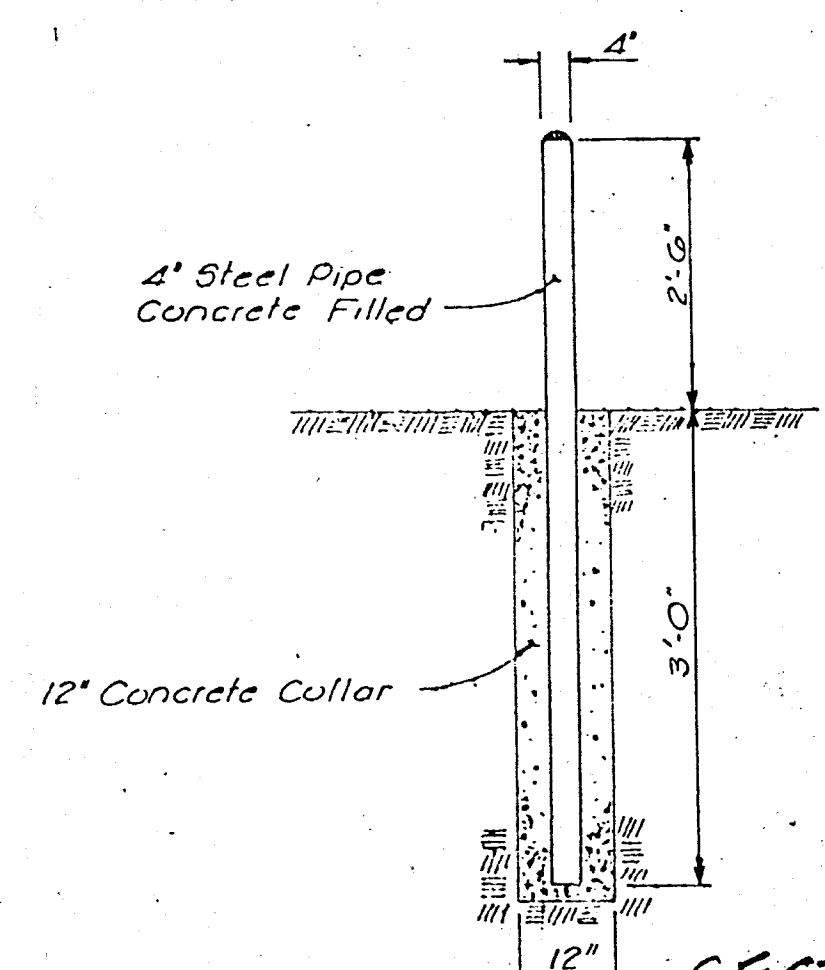
TYPICAL TRANSITION DETAIL
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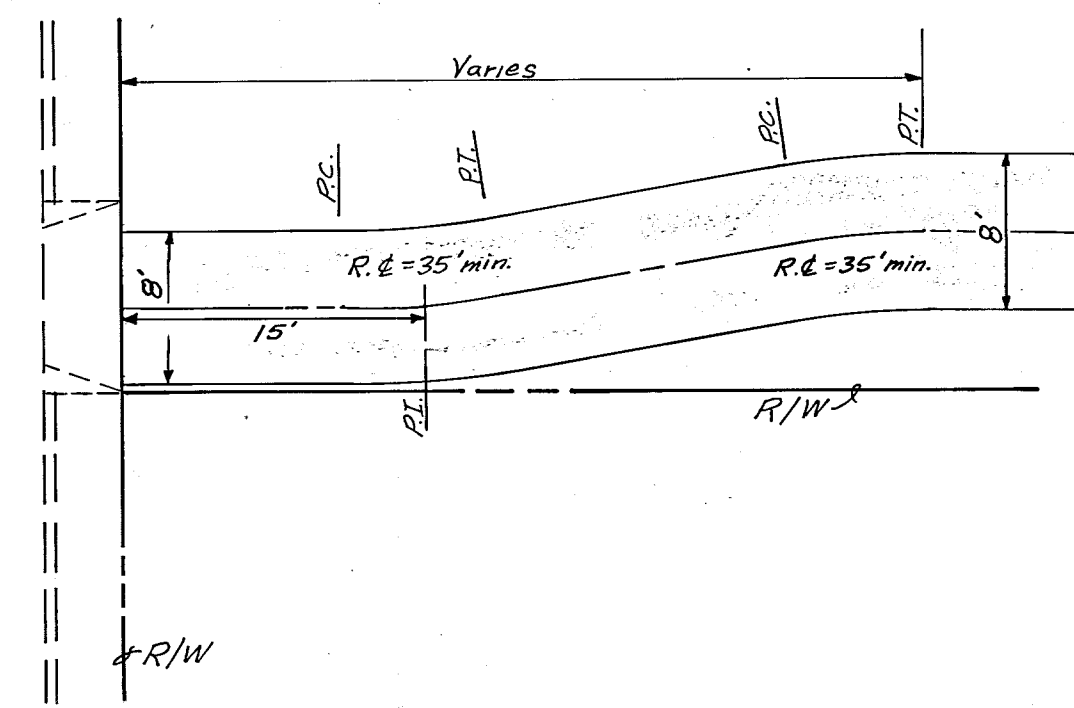
FRONT VIEW
NOT TO SCALE



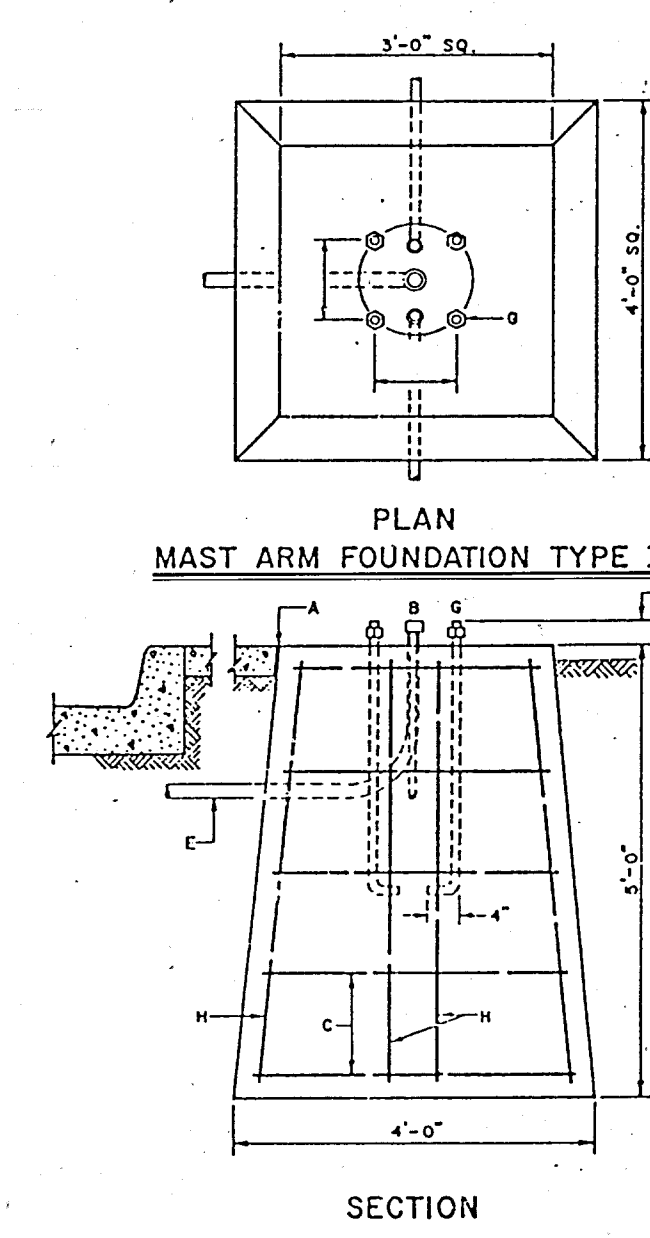
SECTION A-A
CURB CUT AT BIKE TRAIL CROSSING
NOT TO SCALE



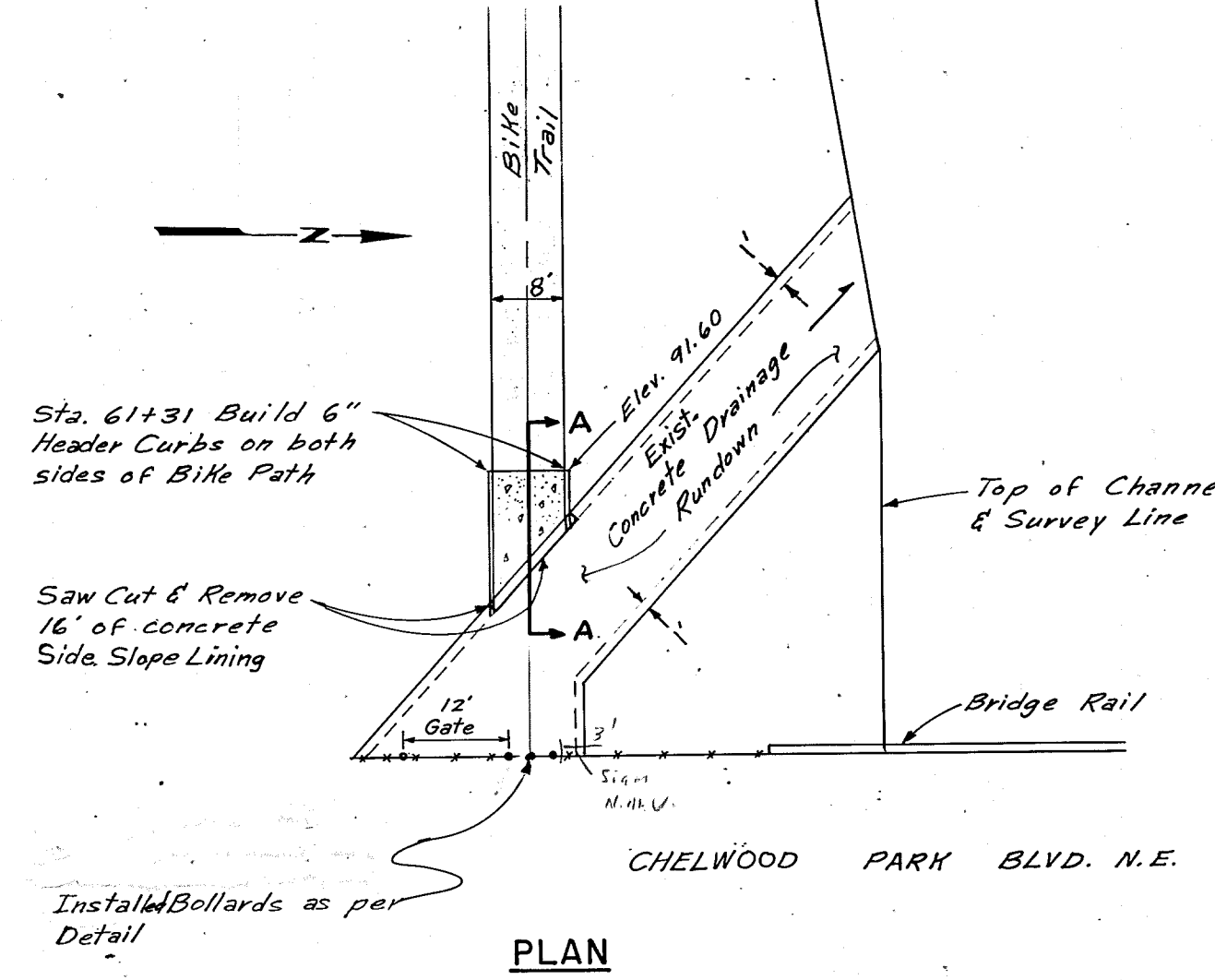
SECTION BOLLARD DETAIL



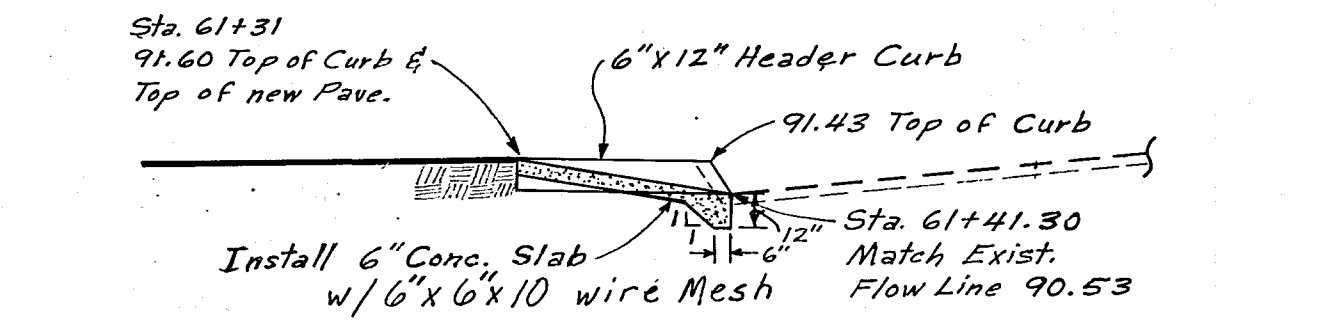
TRANSITION DETAIL AT CHELWOOD PARK BLVD.
NOT TO SCALE See Sheet 17



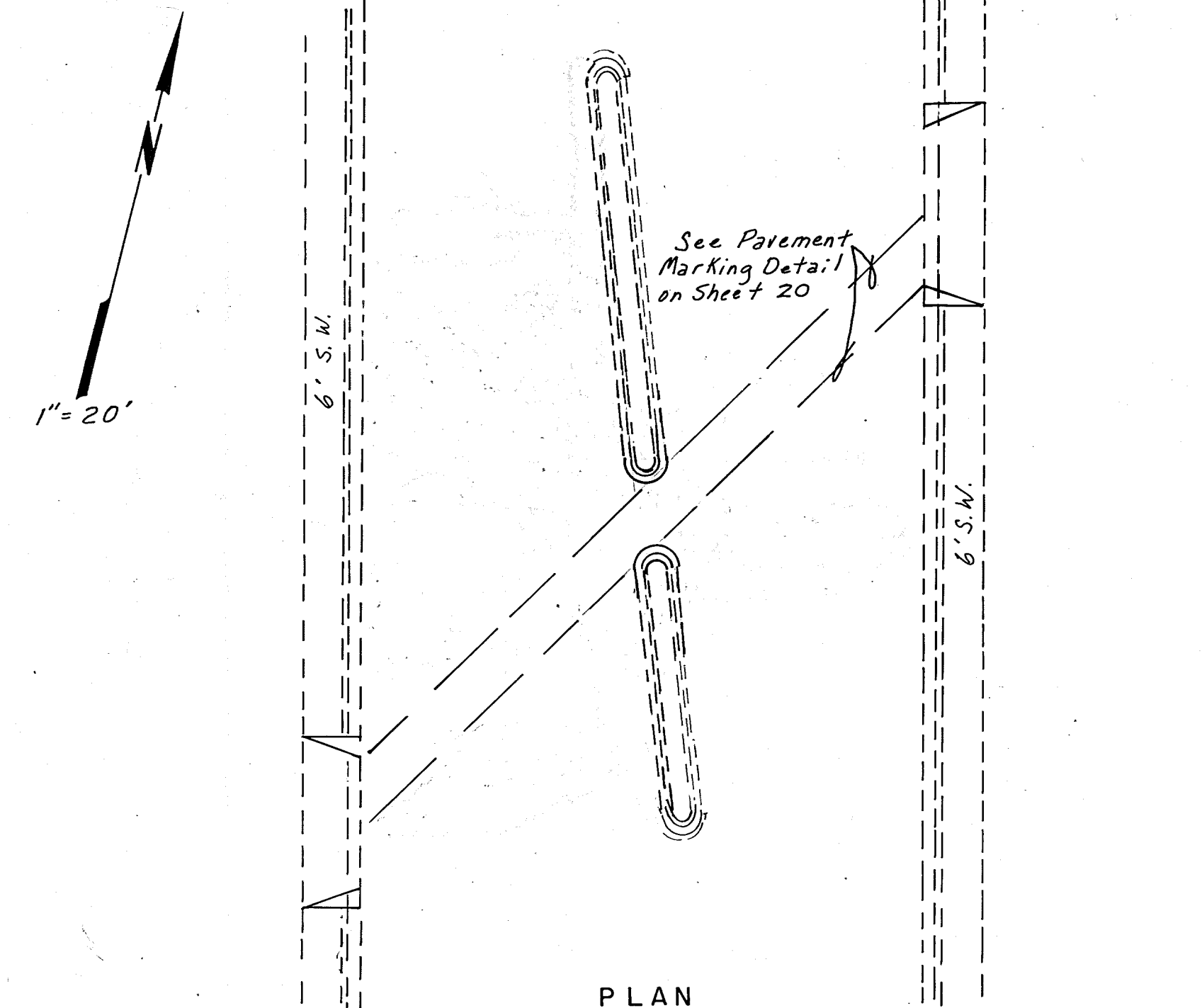
- GENERAL NOTES:**
1. THE TOP OF THE MAST ARM AND PEDESTAL FOUNDATIONS SHALL BE LEVEL. WHEN PLACED IN MEDIAN WHERE MEDIAN IS CONC., THE TOP OF THE FOUNDATION SHALL BE FLUSH WITH THE TOP OF THE CONC. SURFACE. WHERE THE MEDIAN IS ASPHALT, THE TOP OF THE FOUNDATION SHALL BE FLUSH WITH THE FUTURE CONC. SURFACE, AS CALCULATED BY THE CITY ENGINEERING DIVISION. WHEN LOCATED ON OR ADJACENT TO SIDEWALKS, THE TOP OF THE FOUNDATION SHALL BE LEVEL WITH SIDEWALK ALONG THE PROPERTY SIDE OF THE FOUNDATION.
 2. THE TOP OF THE MAST ARM AND PEDESTAL FOUNDATIONS SHALL BE LEVEL. WHEN PLACED IN MEDIAN WHERE MEDIAN IS CONC., THE TOP OF THE FOUNDATION SHALL BE FLUSH WITH THE TOP OF THE CONC. SURFACE. WHERE THE MEDIAN IS ASPHALT, THE TOP OF THE FOUNDATION SHALL BE FLUSH WITH THE FUTURE CONC. SURFACE, AS CALCULATED BY THE CITY ENGINEERING DIVISION. WHEN LOCATED ON OR ADJACENT TO SIDEWALKS, THE TOP OF THE FOUNDATION SHALL BE LEVEL WITH SIDEWALK ALONG THE PROPERTY SIDE OF THE FOUNDATION.
 3. THE TOP OF THE MAST ARM AND PEDESTAL FOUNDATIONS SHALL BE LEVEL. WHEN PLACED IN MEDIAN WHERE MEDIAN IS CONC., THE TOP OF THE FOUNDATION SHALL BE FLUSH WITH THE TOP OF THE CONC. SURFACE. WHERE THE MEDIAN IS ASPHALT, THE TOP OF THE FOUNDATION SHALL BE FLUSH WITH THE FUTURE CONC. SURFACE, AS CALCULATED BY THE CITY ENGINEERING DIVISION. WHEN LOCATED ON OR ADJACENT TO SIDEWALKS, THE TOP OF THE FOUNDATION SHALL BE LEVEL WITH SIDEWALK ALONG THE PROPERTY SIDE OF THE FOUNDATION.
 4. THE TOP OF THE MAST ARM AND PEDESTAL FOUNDATIONS SHALL BE LEVEL. WHEN PLACED IN MEDIAN WHERE MEDIAN IS CONC., THE TOP OF THE FOUNDATION SHALL BE FLUSH WITH THE TOP OF THE CONC. SURFACE. WHERE THE MEDIAN IS ASPHALT, THE TOP OF THE FOUNDATION SHALL BE FLUSH WITH THE FUTURE CONC. SURFACE, AS CALCULATED BY THE CITY ENGINEERING DIVISION. WHEN LOCATED ON OR ADJACENT TO SIDEWALKS, THE TOP OF THE FOUNDATION SHALL BE LEVEL WITH SIDEWALK ALONG THE PROPERTY SIDE OF THE FOUNDATION.
 5. THE TOP OF THE MAST ARM AND PEDESTAL FOUNDATIONS SHALL BE LEVEL. WHEN PLACED IN MEDIAN WHERE MEDIAN IS CONC., THE TOP OF THE FOUNDATION SHALL BE FLUSH WITH THE TOP OF THE CONC. SURFACE. WHERE THE MEDIAN IS ASPHALT, THE TOP OF THE FOUNDATION SHALL BE FLUSH WITH THE FUTURE CONC. SURFACE, AS CALCULATED BY THE CITY ENGINEERING DIVISION. WHEN LOCATED ON OR ADJACENT TO SIDEWALKS, THE TOP OF THE FOUNDATION SHALL BE LEVEL WITH SIDEWALK ALONG THE PROPERTY SIDE OF THE FOUNDATION.
 6. THE TOP OF THE MAST ARM AND PEDESTAL FOUNDATIONS SHALL BE LEVEL. WHEN PLACED IN MEDIAN WHERE MEDIAN IS CONC., THE TOP OF THE FOUNDATION SHALL BE FLUSH WITH THE TOP OF THE CONC. SURFACE. WHERE THE MEDIAN IS ASPHALT, THE TOP OF THE FOUNDATION SHALL BE FLUSH WITH THE FUTURE CONC. SURFACE, AS CALCULATED BY THE CITY ENGINEERING DIVISION. WHEN LOCATED ON OR ADJACENT TO SIDEWALKS, THE TOP OF THE FOUNDATION SHALL BE LEVEL WITH SIDEWALK ALONG THE PROPERTY SIDE OF THE FOUNDATION.
 7. THE TOP OF THE MAST ARM AND PEDESTAL FOUNDATIONS SHALL BE LEVEL. WHEN PLACED IN MEDIAN WHERE MEDIAN IS CONC., THE TOP OF THE FOUNDATION SHALL BE FLUSH WITH THE TOP OF THE CONC. SURFACE. WHERE THE MEDIAN IS ASPHALT, THE TOP OF THE FOUNDATION SHALL BE FLUSH WITH THE FUTURE CONC. SURFACE, AS CALCULATED BY THE CITY ENGINEERING DIVISION. WHEN LOCATED ON OR ADJACENT TO SIDEWALKS, THE TOP OF THE FOUNDATION SHALL BE LEVEL WITH SIDEWALK ALONG THE PROPERTY SIDE OF THE FOUNDATION.
 8. THE TOP OF THE MAST ARM AND PEDESTAL FOUNDATIONS SHALL BE LEVEL. WHEN PLACED IN MEDIAN WHERE MEDIAN IS CONC., THE TOP OF THE FOUNDATION SHALL BE FLUSH WITH THE TOP OF THE CONC. SURFACE. WHERE THE MEDIAN IS ASPHALT, THE TOP OF THE FOUNDATION SHALL BE FLUSH WITH THE FUTURE CONC. SURFACE, AS CALCULATED BY THE CITY ENGINEERING DIVISION. WHEN LOCATED ON OR ADJACENT TO SIDEWALKS, THE TOP OF THE FOUNDATION SHALL BE LEVEL WITH SIDEWALK ALONG THE PROPERTY SIDE OF THE FOUNDATION.
 9. THE TOP OF THE MAST ARM AND PEDESTAL FOUNDATIONS SHALL BE LEVEL. WHEN PLACED IN MEDIAN WHERE MEDIAN IS CONC., THE TOP OF THE FOUNDATION SHALL BE FLUSH WITH THE TOP OF THE CONC. SURFACE. WHERE THE MEDIAN IS ASPHALT, THE TOP OF THE FOUNDATION SHALL BE FLUSH WITH THE FUTURE CONC. SURFACE, AS CALCULATED BY THE CITY ENGINEERING DIVISION. WHEN LOCATED ON OR ADJACENT TO SIDEWALKS, THE TOP OF THE FOUNDATION SHALL BE LEVEL WITH SIDEWALK ALONG THE PROPERTY SIDE OF THE FOUNDATION.
 10. THE TOP OF THE MAST ARM AND PEDESTAL FOUNDATIONS SHALL BE LEVEL. WHEN PLACED IN MEDIAN WHERE MEDIAN IS CONC., THE TOP OF THE FOUNDATION SHALL BE FLUSH WITH THE TOP OF THE CONC. SURFACE. WHERE THE MEDIAN IS ASPHALT, THE TOP OF THE FOUNDATION SHALL BE FLUSH WITH THE FUTURE CONC. SURFACE, AS CALCULATED BY THE CITY ENGINEERING DIVISION. WHEN LOCATED ON OR ADJACENT TO SIDEWALKS, THE TOP OF THE FOUNDATION SHALL BE LEVEL WITH SIDEWALK ALONG THE PROPERTY SIDE OF THE FOUNDATION.
 11. THE TOP OF THE MAST ARM AND PEDESTAL FOUNDATIONS SHALL BE LEVEL. WHEN PLACED IN MEDIAN WHERE MEDIAN IS CONC., THE TOP OF THE FOUNDATION SHALL BE FLUSH WITH THE TOP OF THE CONC. SURFACE. WHERE THE MEDIAN IS ASPHALT, THE TOP OF THE FOUNDATION SHALL BE FLUSH WITH THE FUTURE CONC. SURFACE, AS CALCULATED BY THE CITY ENGINEERING DIVISION. WHEN LOCATED ON OR ADJACENT TO SIDEWALKS, THE TOP OF THE FOUNDATION SHALL BE LEVEL WITH SIDEWALK ALONG THE PROPERTY SIDE OF THE FOUNDATION.
 12. THE TOP OF THE MAST ARM AND PEDESTAL FOUNDATIONS SHALL BE LEVEL. WHEN PLACED IN MEDIAN WHERE MEDIAN IS CONC., THE TOP OF THE FOUNDATION SHALL BE FLUSH WITH THE TOP OF THE CONC. SURFACE. WHERE THE MEDIAN IS ASPHALT, THE TOP OF THE FOUNDATION SHALL BE FLUSH WITH THE FUTURE CONC. SURFACE, AS CALCULATED BY THE CITY ENGINEERING DIVISION. WHEN LOCATED ON OR ADJACENT TO SIDEWALKS, THE TOP OF THE FOUNDATION SHALL BE LEVEL WITH SIDEWALK ALONG THE PROPERTY SIDE OF THE FOUNDATION.
- CONSTRUCTION NOTES:**
- A. EXPANSION JOINT MATERIAL (TYPICAL).
 - B. WEATHER CAP.
 - C. NO. 4 TIES.
 - D. NO. 6 AT EACH CORNER.
 - E. RIGID CONDUIT.
 - F. 4- 1" X 3'-0" ANCHOR BOLTS, WITH NUTS AND LOCKWASHERS ON 15" DIA. BOLT CIRCLE.
 - G. SEE TRAFFIC ENGINEERING DIVISION FOR EXACT BOLT CIRCLE DIAMETER AND BOLT DIMENSIONS.
 - H. NO. 6 - 12 REQUIRED.
 - I. MAST ARM TO BE 25' EXCEPT AT INDIAN SCHOOL ROAD WHICH IS TO BE 20'.
 - J. MAST ARM & PEDESTAL WITH W11A-1 (2) SHOULD HAVE BREAK AWAY POLES.



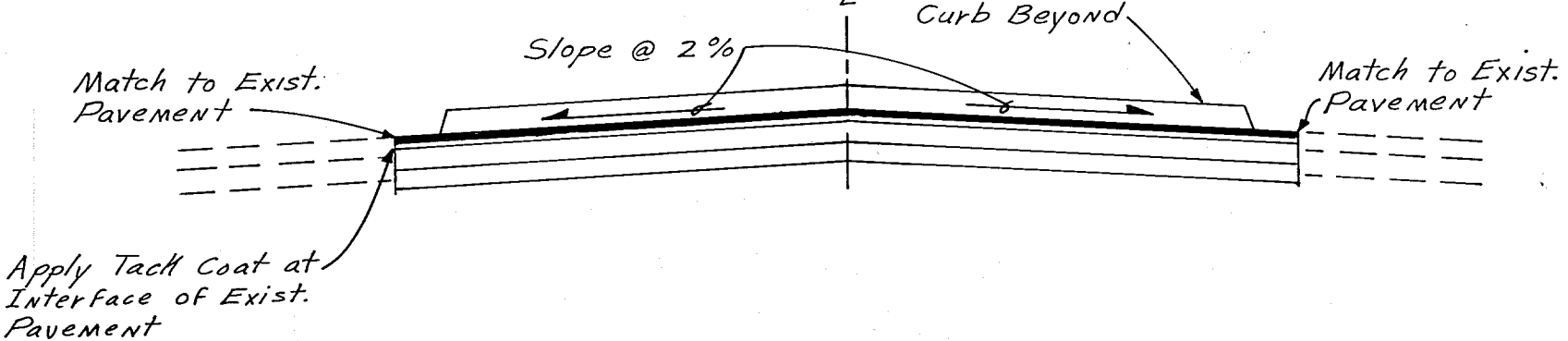
PLAN



SECTION A-A



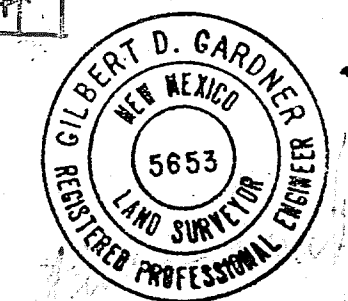
PLAN



SECTION A-A

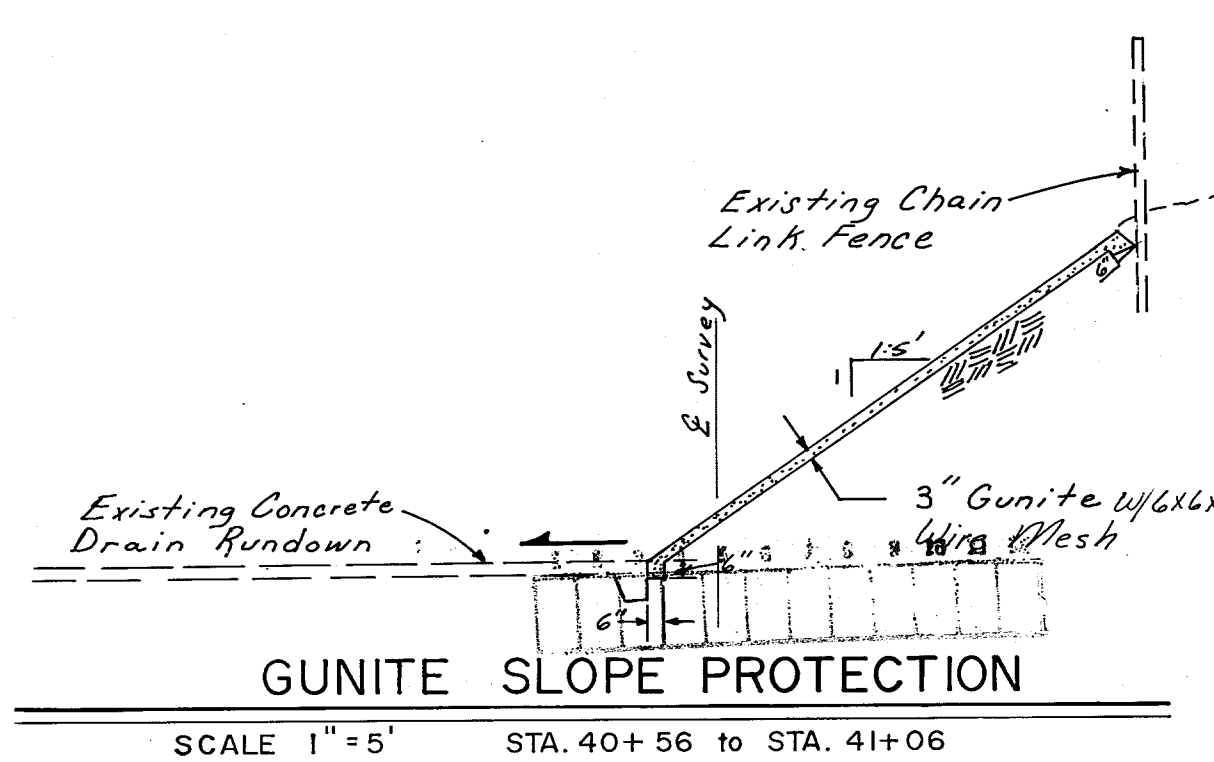
JUAN TABO BLVD. MEDIAN WAITING AREA
NOT TO SCALE See Sheet 15

000012184



AS BUILT

GARDNER, MASON & ASSOC. INC.
ALBUQUERQUE, NEW MEXICO



GUNITE SLOPE PROTECTION

SCALE 1"=5' STA. 40+56 TO STA. 41+06

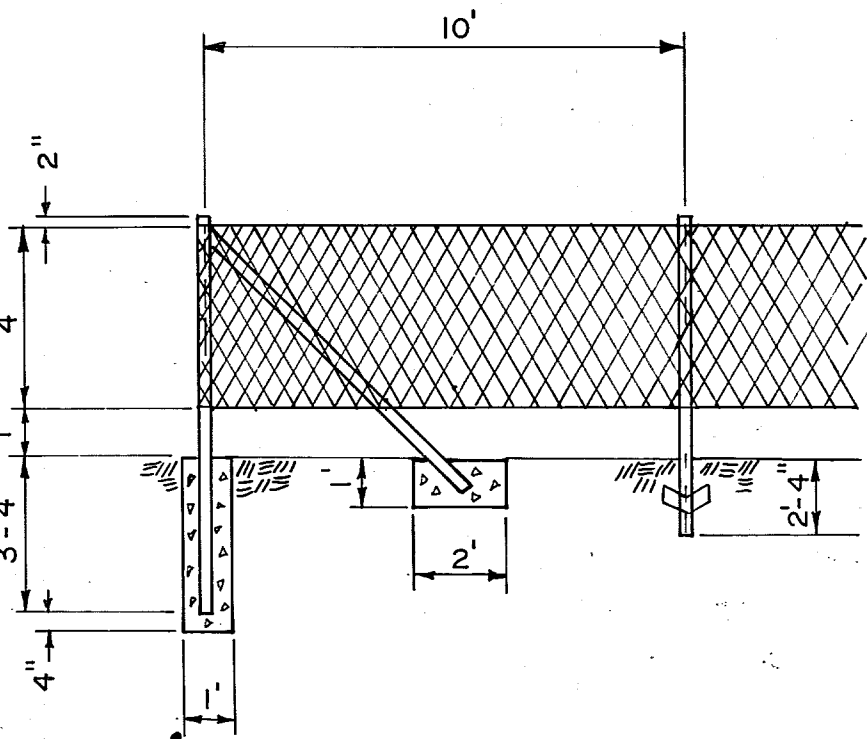
CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE EMBUDO/PIEDRA LISA RECREATIONAL TRAIL					
DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		
DRAWING NO.	SHEET 21 OF 36				

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		REFERENCES		REVISIONS	
CONTRACTOR	Booth	DATE	3/30/83	MAP NO.	EST. NO.	W.O. NO.	NO.	NO.	NO.
DESIGNED BY	GDG	DATE	3/30/83	DATE	BY	DATE	BY	DATE	BY
CHECKED BY	PLB	DATE	3/30/83	DATE	BY	DATE	BY	DATE	BY
RECORDED BY	PLB	DATE	3/30/83	DATE	BY	DATE	BY	DATE	BY
NO.		DATE		DATE	BY	DATE	BY	DATE	BY

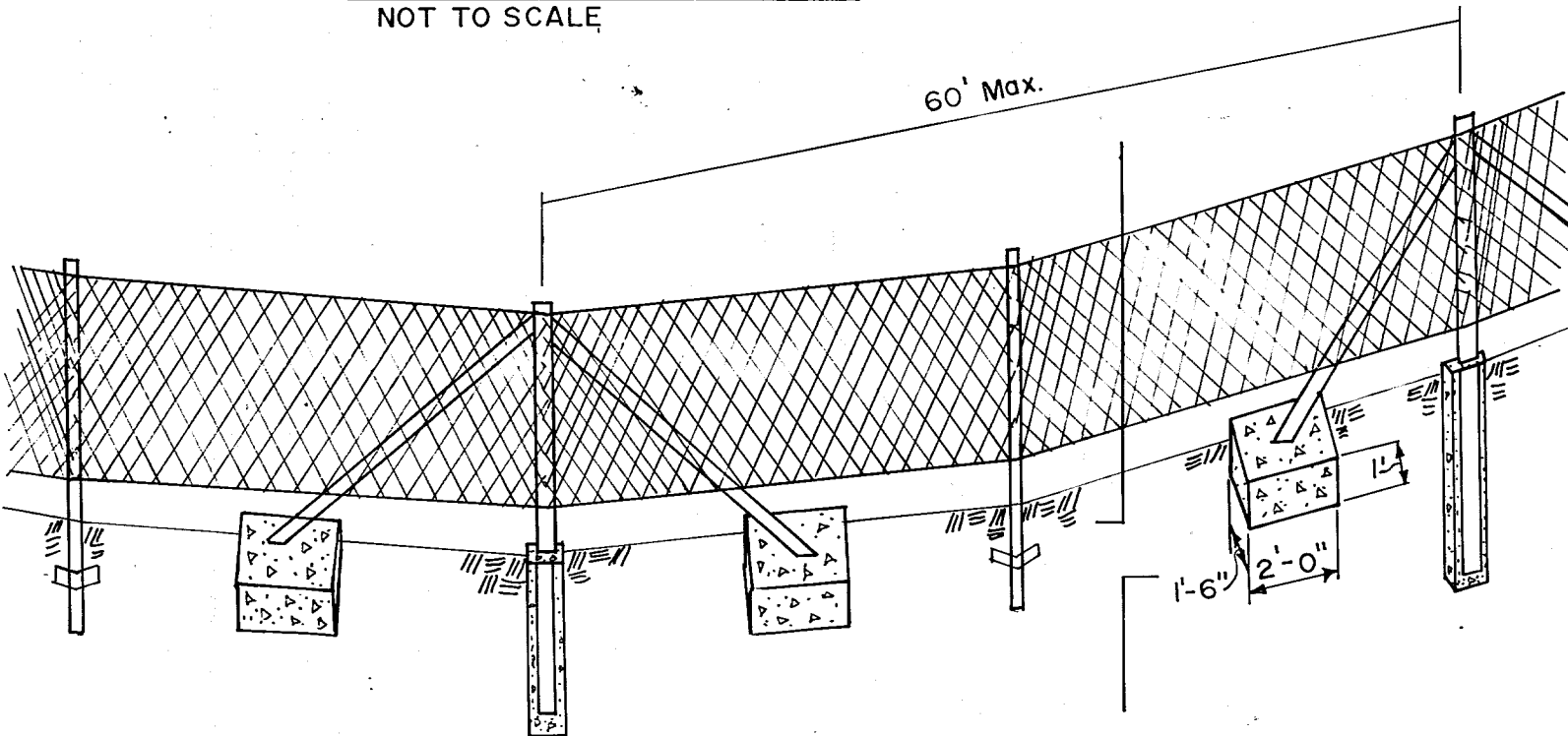
GENERAL NOTES

- Line posts within existing concrete rundowns shall be of sufficient length to maintain the top of the fence in a straight line.
- Line posts set in concrete with 2 braces shall be located a maximum of 60 feet apart.
- Woven wire to be V-mesh fence wire-galvanized. Min. 223# per 20' rod (320') roll. 14 1/2 gauge horizontal wire w/ 4' max. between wires; 16 gauge cross wires w/ 4' max. between wires at widest point.
- Metal posts & braces shall be rolled from rail steel or new billet steel conforming with any of the following ASTM designations, A-1, A-7, A-16, A107, or A120, and shall be galvanized or painted with one coat of aluminum paint of a type approved by the Engineer. Galvanized shall conform to ASTM designation A123 in lieu of tubular brace posts, angle brace posts may be used.
- Line posts — 11.30# each min.
- End posts — min. 66# with one brace.
- Corner post — min. 94# with two braces.
- All footings and bases shall consist of 3000 Lb. concrete with crown tops and of the dimensions indicated.
- Fence wire may be placed on the trail side of the posts except on the inside of curves.
- Unless otherwise provided, all posts shall be of the same type of material throughout the project.
- The furnishing and installing of all braces will be considered incidental to the completion of the work and no measurement will be made therefor.
- End and corner braces to be of the length recommended by the manufacturer.

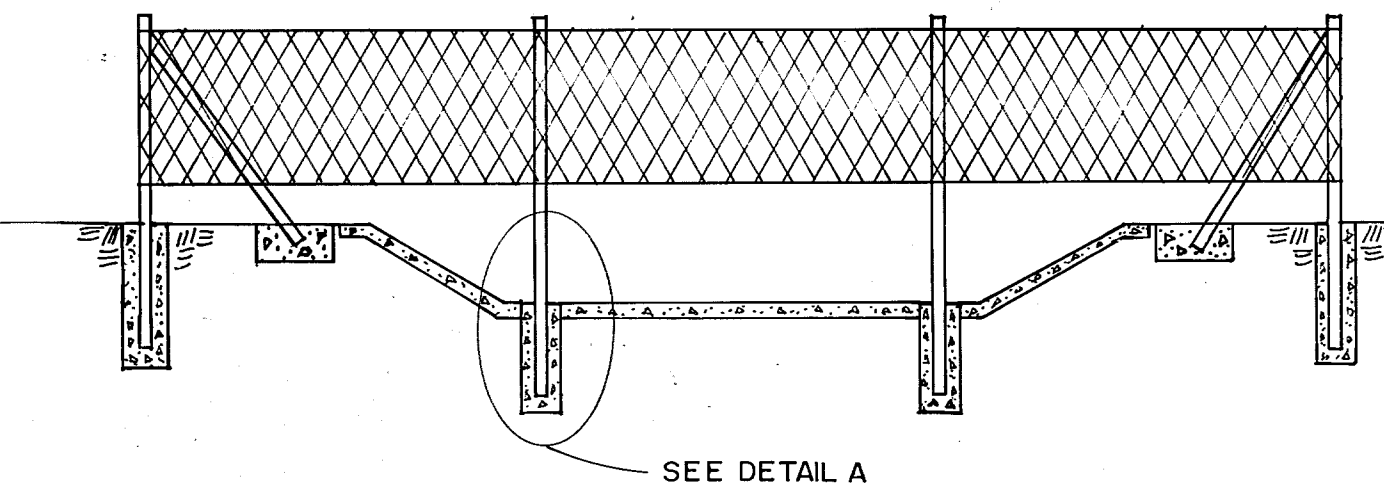
WOVEN WIRE FENCE WITH METAL POSTS



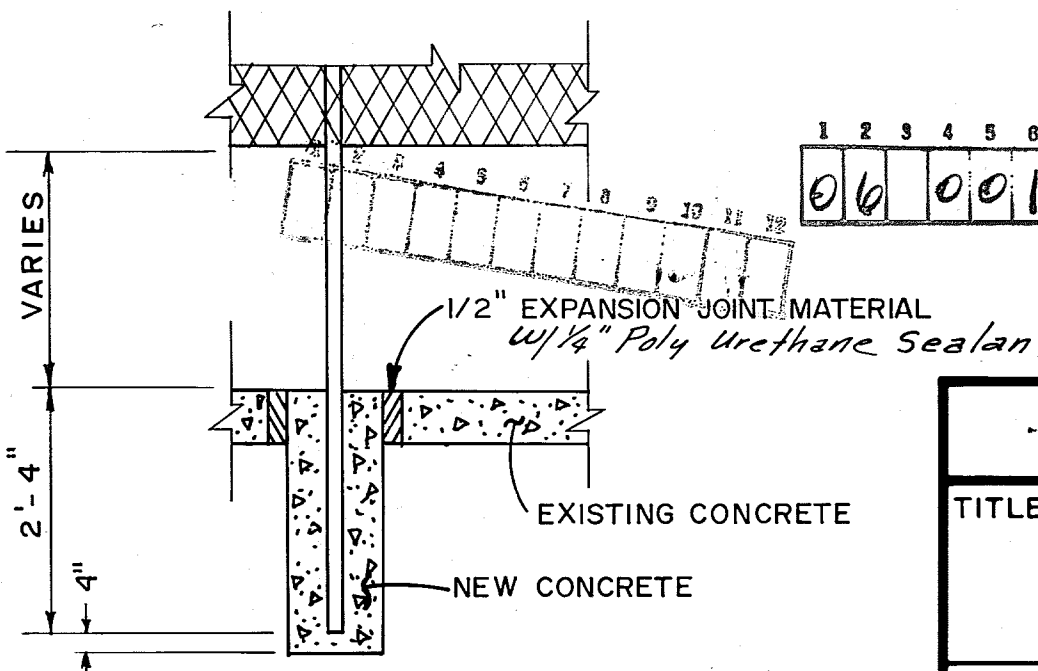
END POST DETAIL
NOT TO SCALE



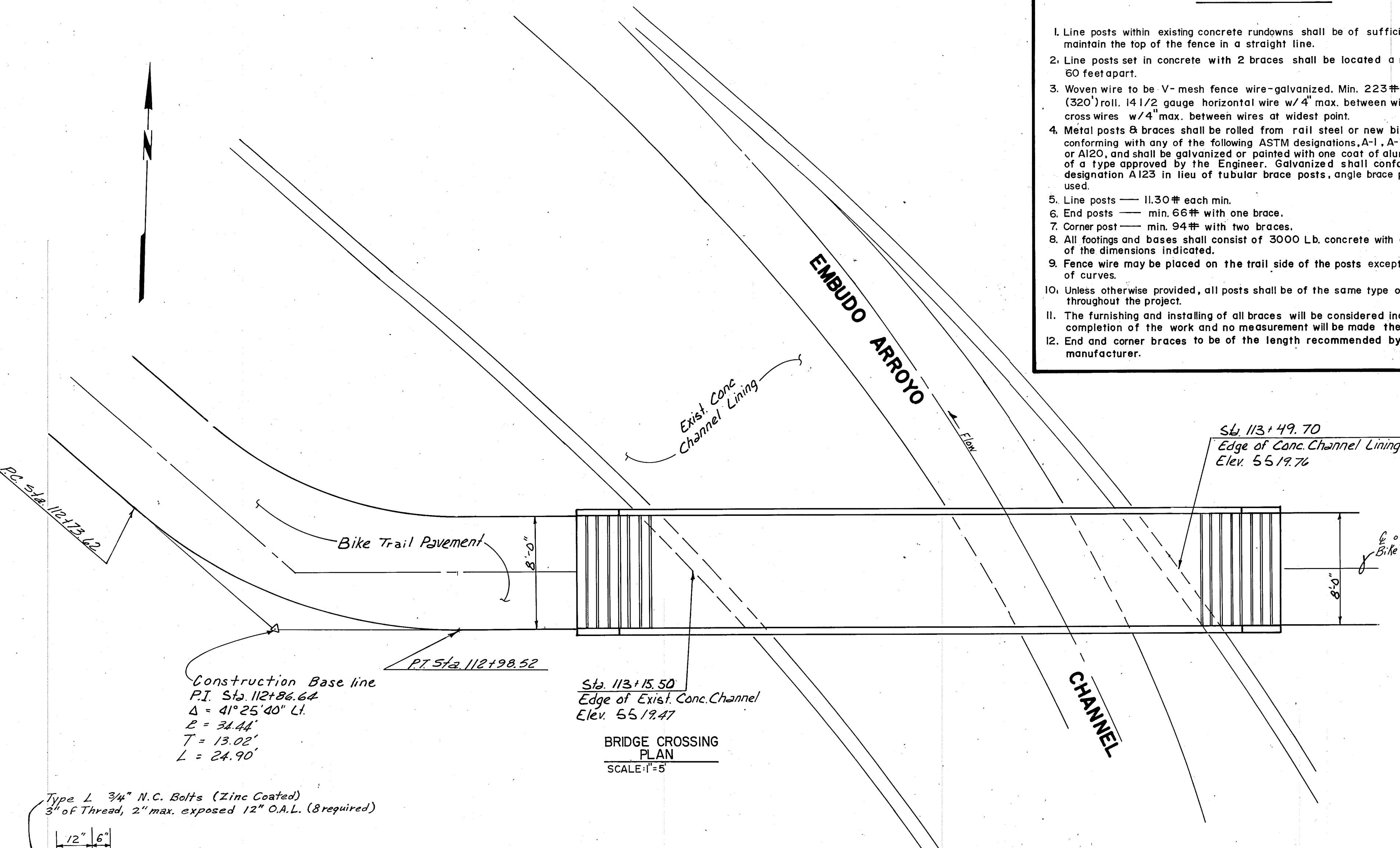
PERSPECTIVE
NOT TO SCALE



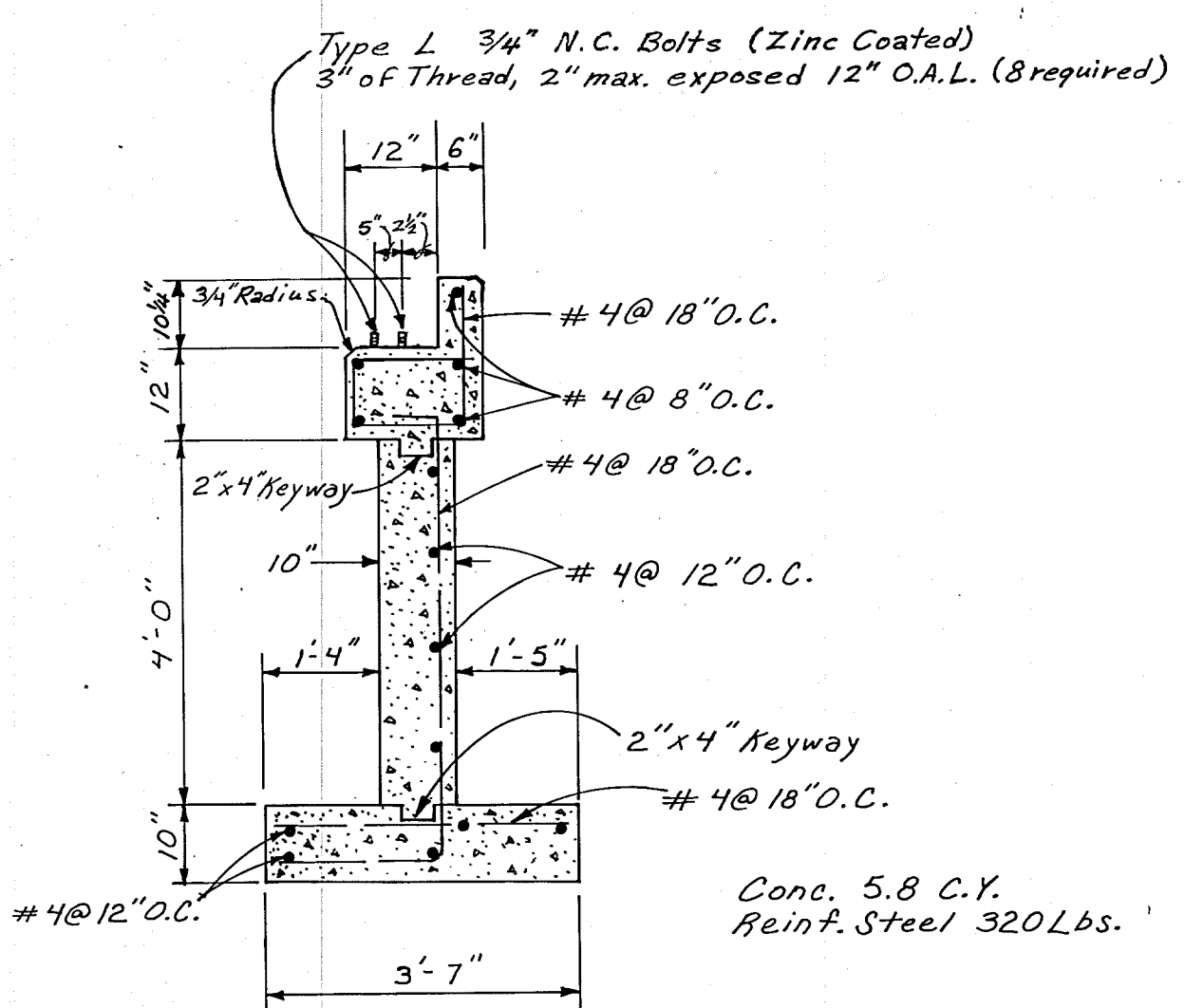
DRAINAGE RUNDOWN CROSSING
NOT TO SCALE



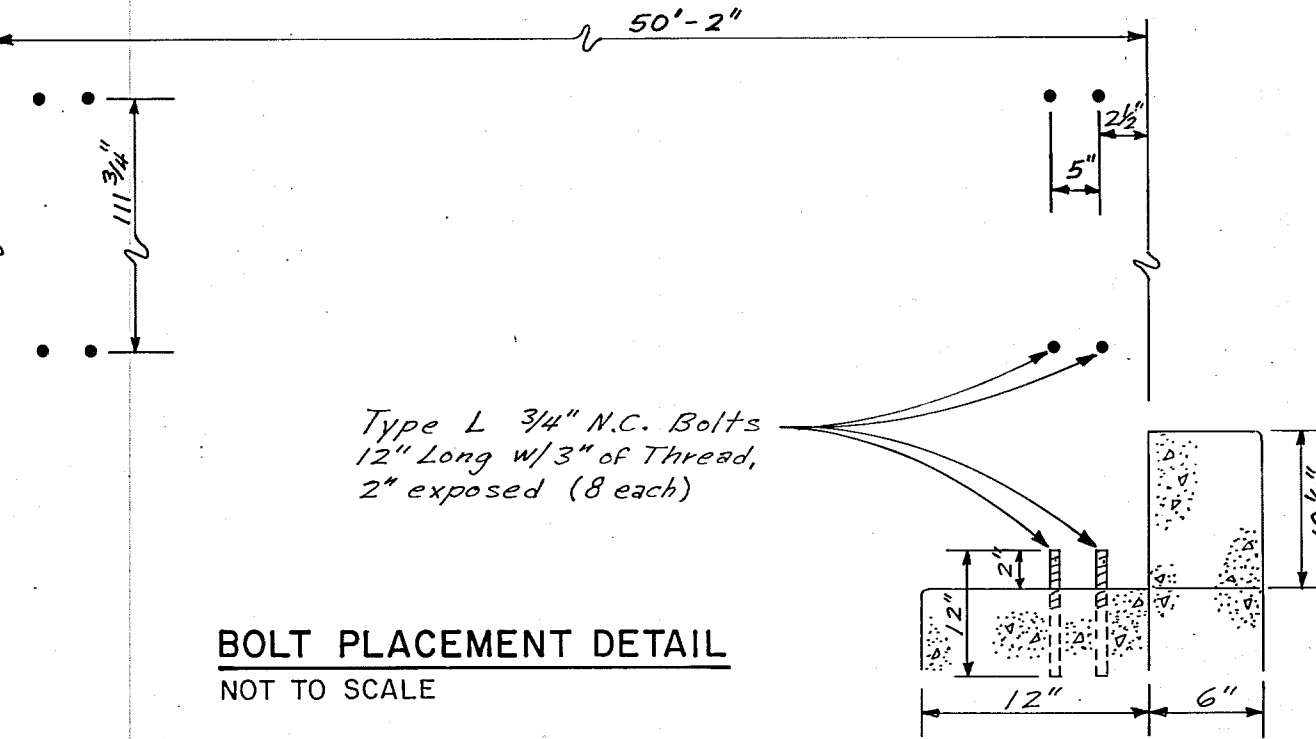
DETAIL A
NOT TO SCALE



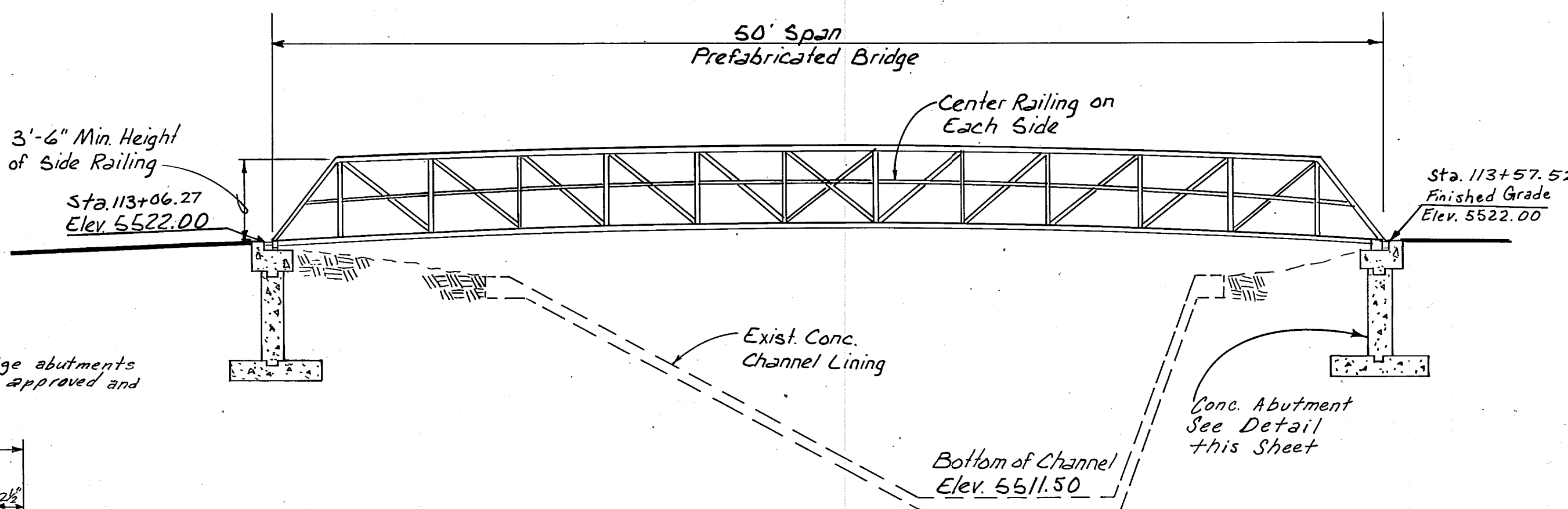
BRIDGE CROSSING
PLAN
SCALE: 1"=5'



ABUTMENT DETAIL
SCALE 1/2"=1'



BOLT PLACEMENT DETAIL
NOT TO SCALE



BRIDGE CROSSING
ELEVATION
SCALE: 1"=5'

NOTE: 1. Bridge shall be as manufactured by DeBough Manufacturing Co., Continental Custom Bridge Company or approved equal.
2. Elastomeric pads to be supplied by the bridge manufacturer.



AS BUILT

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE EMBUDO/PIEDRA LISA RECREATIONAL TRAIL					
PREFABRICATED BRIDGE DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		
DRAWING NO.	SHEET 23 OF 36				



PREFABRICATED BRIDGE DETAIL

SCALE: 1"=5'

SECTION A-A



SCALE: 3/4" = 1'

ABUTMENT DETAILS

SCALE: 3/4" = 1'

AS BUILT

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE EMBUDO/PIEDRA LISA RECREATIONAL TRAIL ALTERNATE # 4 - PREFABRICATED BRIDGE DETAILS FOR SNOW PARK					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		
DRAWING NO.			SHEET 24 OF 25		

