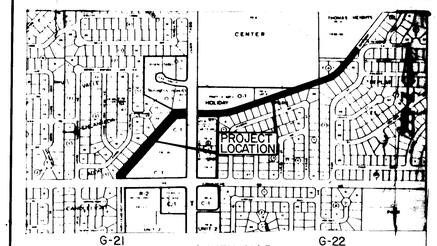
CITY OF ALBUQUERQUE

CONSTRUCTION PLANS
FOR
EMBUDITO ARROYO IMPROVEMENTS
COMANCHE ROAD TO TRACY STREET



VICINITY MAP
NOT TO SCALE

SHEET NO.	DESCRIPTION
1.	TITLE PAGE
2.	PLAN & PROFILE-STA. 88+80.12 TO STA. 96+00.00
3.	PLAN & PROFILE-STA. 96+00.00 TO STA. 108+00.00
4.	PLAN & PROFILE- STA. 108+00.00 TO STA. 117+49.00
5.	COMANCHE TRANSITION-SECTIONS & DETAILS
6.	JUAN TABO TRANSITION-SECTIONS & DETAILS
7.	CHANNEL INLET DETAILS
8.	MISCELLANE~~OUS~~ CONSTRUCTION DETAILS
9.	TYPICAL CHANNEL SECTIONS & DETAILS
10.	MAINTENANCE VEHICLE RAMP DETAILS
11.-16.	CROSS-SECTIONS

GENERAL NOTES

NOTICE TO CONTRACTORS

1. NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION-1979 EDITION WILL BE REFERRED TO HEREON AS THE "STANDARD SPECIFICATION."
2. STOCKPILING OF EXISTING CONCRETE, RIPRAP, ETC., AS SHOWN ON THE PLANS, SHALL BE PAID FOR UNDER BID ITEM "REMOVAL OF STRUCTURES AND OBSTRUCTIONS."
3. TWO 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 OR SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. NO CONSTRUCTION WILL BE ALLOWED IN THE EMBUDITO ARROYO DURING THE MONTHS OF JULY, AUGUST OR SEPTEMBER, UNLESS THE CONTRACTOR PROVIDES AND OBTAINS APPROVAL OF AN EROSION CONTROL PLAN AND A PLAN FOR THE SAFE PASSAGE OF THE 10 YEAR DESIGN STORM.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- [ ] ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- [ ] BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- [ ] TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- [ ] SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- [ ] IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- [ ] ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- [x] THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.

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

W. F. McNamara
DATE 12-23-85

REV	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE
			11-26-85	As Built			
△	4 of 16	A. Chavez for CDS	7-31-85	Change Curve Data			

APPROVAL OF REVISIONS

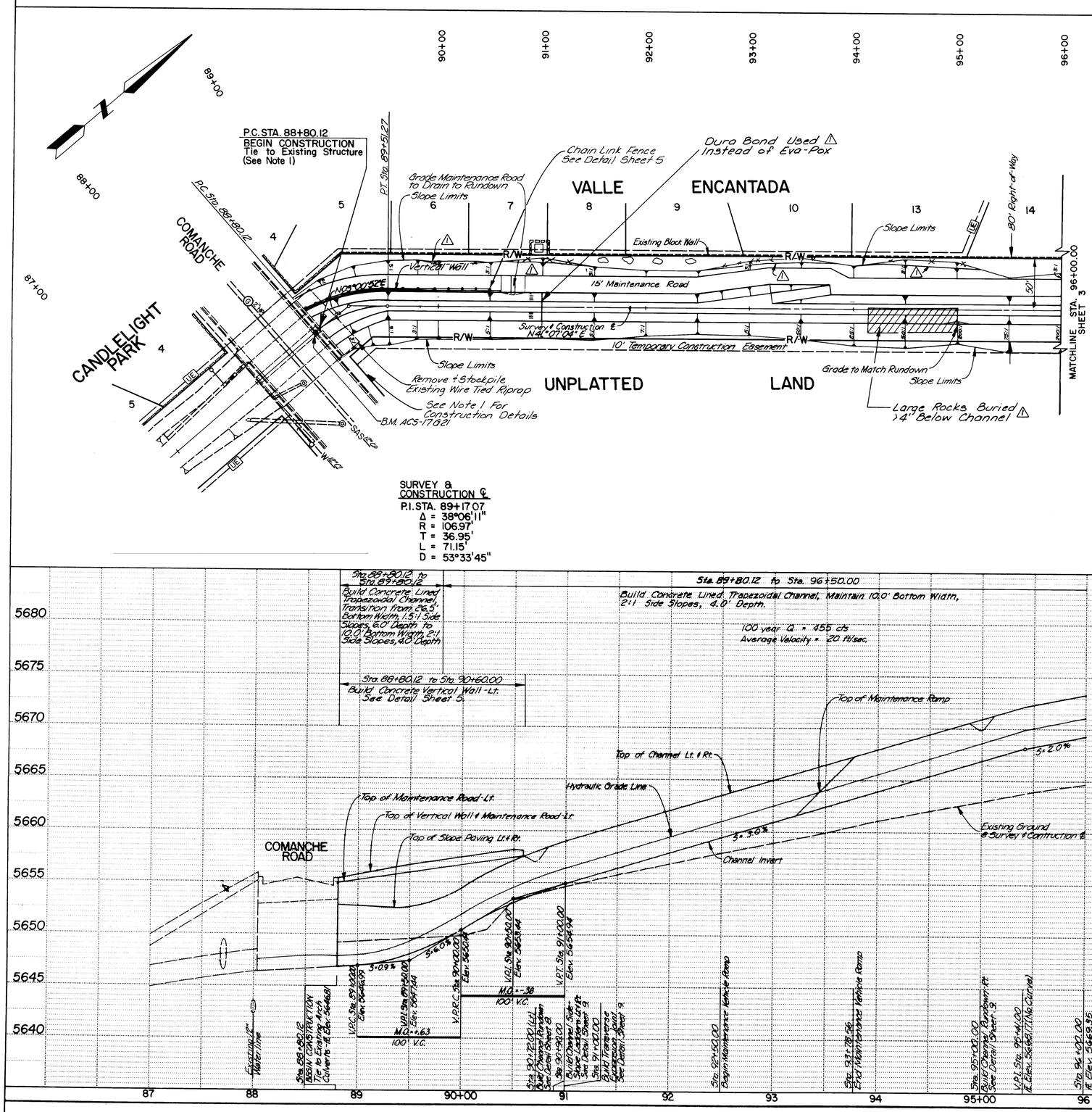
BOHANNAN · HUSTON INC.
ALBUQUERQUE · SANTA FE · EL PASO
ENGINEERS PLANNERS PHOTOGRAMMETRISTS

APPROVED FOR CONSTRUCTION
C.A. Chavez 8/20/85 C.E.

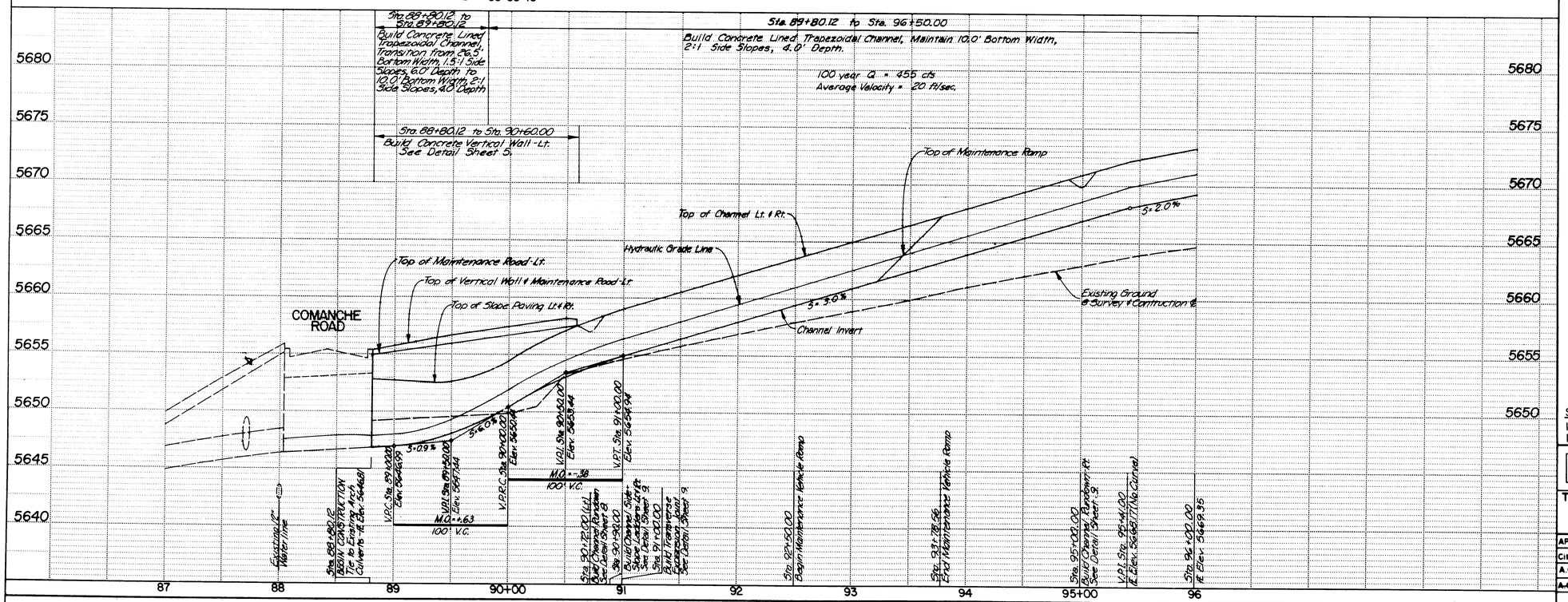
PROJECT NUMBER
2296

SHEET 1 OF 16

RECORD DRAWINGS
DATE 12/5/85



SURVEY ℄ CONSTRUCTION ℄
P.I. STA. 89+17.07
Δ = 38°06'11"
R = 106.97'
T = 36.95'
L = 71.15'
D = 53°33'45"



JOB NO. 43080

NOTES:
1. For Survey & Construction ℄ Location at Comanche Structure and Additional Details, See Sheet 5.
2. For Maintenance Vehicle Ramp Details, See Sheet 10.
3. For Typical Channel Details, See Sheet 9.
4. For Channel Rundown Details, See Sheet 9.

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTOR'S FIELD ACCEPTANCE BY
DATE
VERIFICATION BY
VERIFIED, CORRECTED BY
DATE
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

BENCH MARKS
B.M. ACS 17-G21 Elev. 5655.34
ACS Brass cap stamped "17-G21 1978", set in top of a concrete post flush with ground, 34'± north of Comanche Rd. centerline and 725'± west of Juan Tabo Blvd. centerline.

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	11-26-85	As Built	

REVISIONS

DESIGN		
DESIGNED BY	T.L.H., K.R.J.	DATE 2-85
DRAWN BY	N.A.W.	DATE 2-85
CHECKED BY	H.C.S.	DATE 2-85

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

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: STA. 88+80.12 TO STA. 96+00.00
EMBUDITO ARROYO IMPROVEMENTS
COMANCHE ROAD TO TRACY STREET

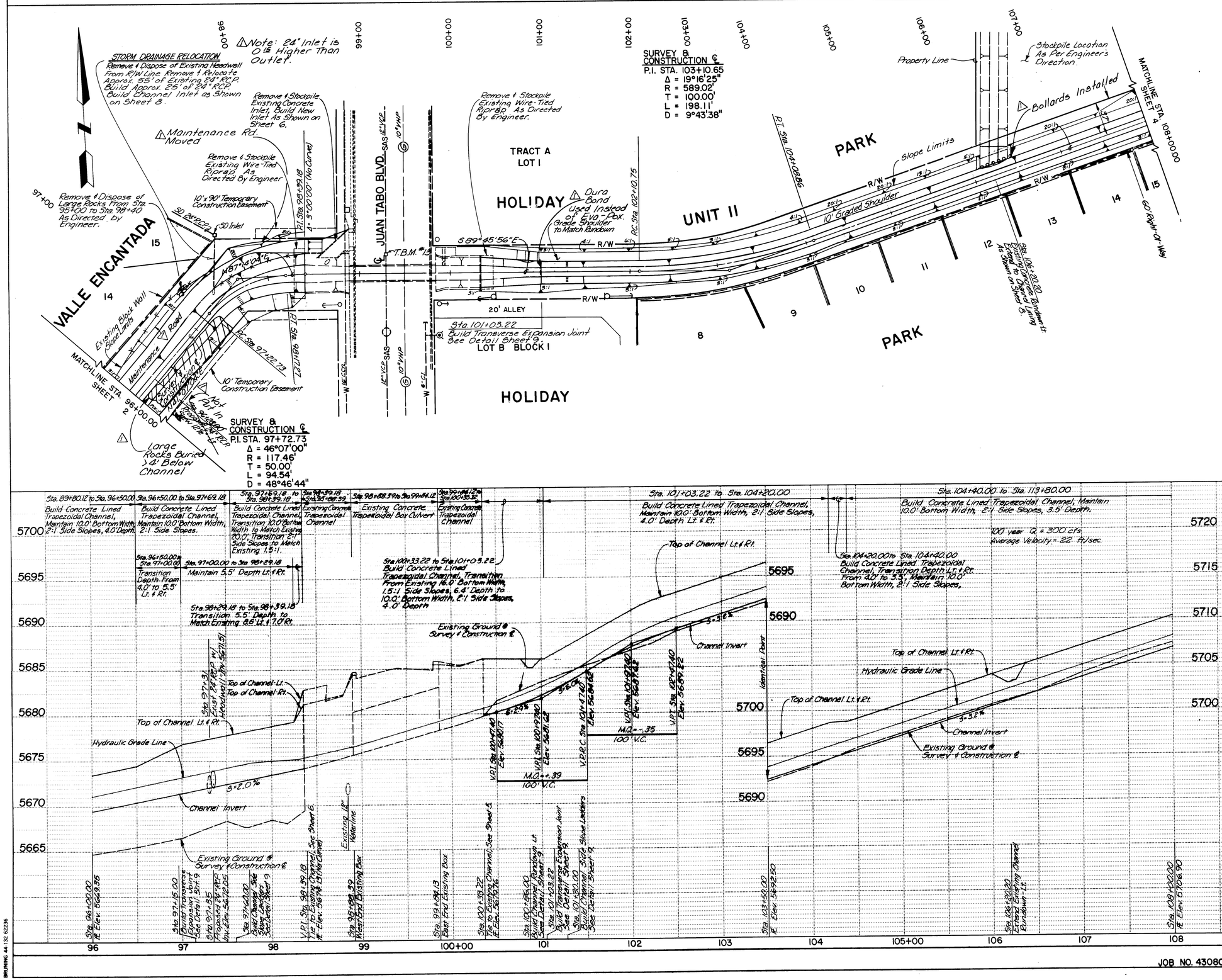
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		3/13/85
A.C.E.-Design			Traffic	DATE DWH	3/13/85
A.C.E.-Hydrology		3/13/85	Water		3/13/85

DRAWING NO. 2296 | MAP NO. G-21 & G-22 | SHEET 2 OF 16

RECORD DRAWINGS
DATE 12/20/85

BRUNING 44-132 62236

NOTES:
1. For Juan Tabo Structure Details, See Sheet 6.
2. For Channel Rundown Details, See Sheet 9.
3. For Typical Channel Section & Details, See Sheet 9.



JOB NO. 43080

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

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: STA. 96+00.00 TO STA. 108+00.00
EMBUDITO ARROYO IMPROVEMENTS
COMANCHE ROAD TO TRACY STREET

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		3/13/85	Liquid Waste	P.B. Vellemure	3/13/85
A.C.E.-Design		3/13/85	Traffic		3/13/85
A.C.E.-Hydrology		3/13/85	Water	P.B. Vellemure	3/13/85

DRAWING NO.	MAP NO.	SHEET	OF
2296	G-21 & G-22	3	16

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
INSPECTORS
ACCEPTANCE BY
FIELD LOCATION BY
DRAWINGS CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
NO.
DATE

BENCH MARKS
B.M. - ACS 17-G21 Elev. 5655.34
ACS Brass cap stamped "17-G21 1978", set in top of a concrete post flush with ground, 34'± north of Comanche Rd. centerline and 725'± west of Juan Tabo Blvd. centerline.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	11-28-85	As Built	

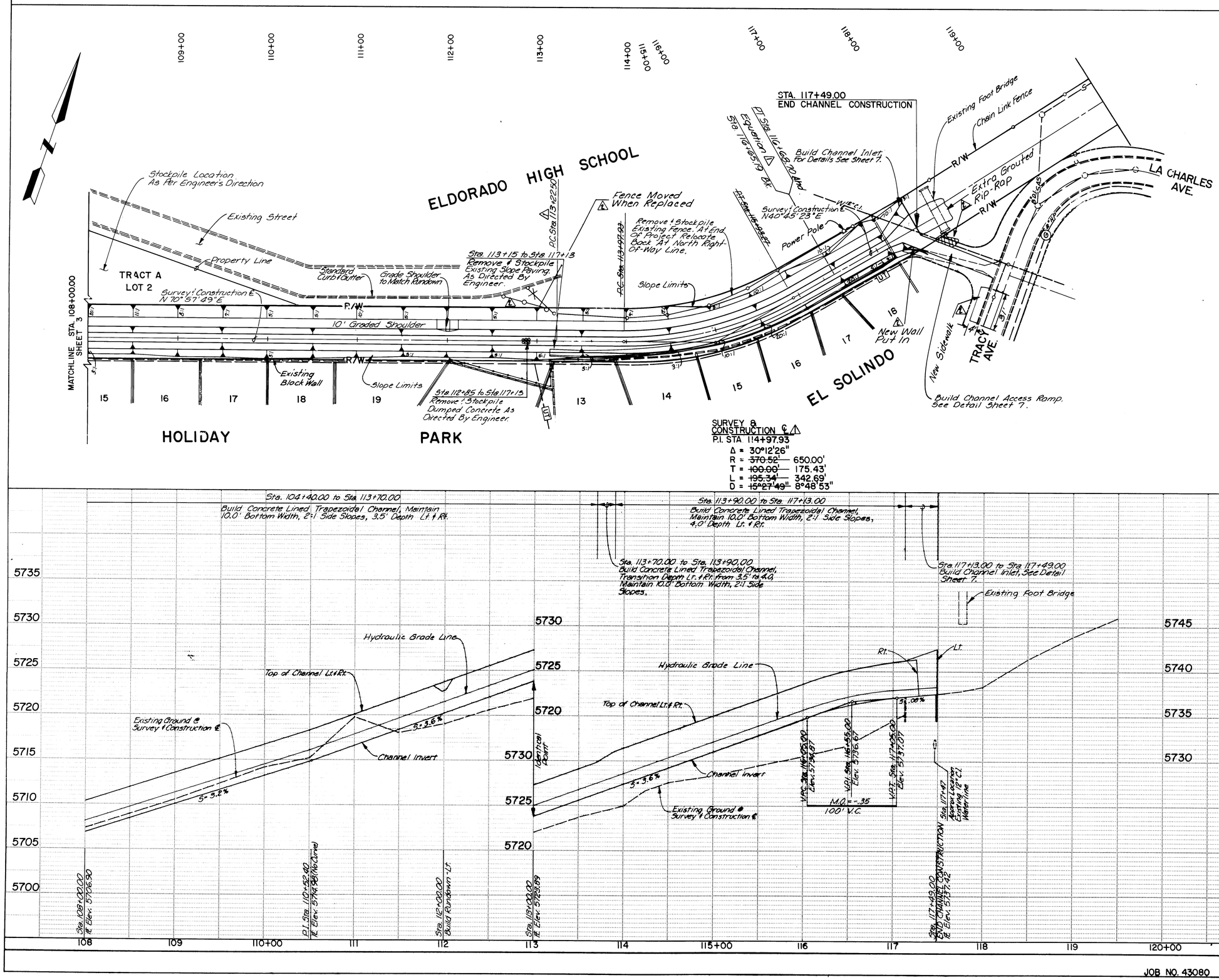
REVISIONS

DESIGNED BY	T.L.H., K.R.J.	DATE 2-85
DRAWN BY	N.A.W.	DATE 2-85
CHECKED BY	H.C.S.	DATE 2-85

RECORD DRAWINGS
DATE 12/5/85

BRUNING 44-132 62236

NOTES:
1. See Sheet 9 For Typical Channel Section Details, Typical Channel Rundown Details And Channel Side Slope Ladder Details.



JOB NO. 43080

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

NO.	DATE	REMARKS	BY
1	11-26-85	As Built	
2	7-31-85	Change Curve Data	HCS

REVISIONS

		DATE
DESIGNED BY	T.L.H., K.R.J.	DATE 2-85
DRAWN BY	N.A.W.	DATE 2-85
CHECKED BY	H.C.S.	DATE 2-85

ENGINEER'S SEAL

SURVEY INFORMATION

NO.	BY	DATE	FIELD NOTES

BENCH MARKS
B.M.-ACS. 17-G21 Elev. 5655.34
ACS Brass cap stamped "17-G21 1978" set in top of a concrete post flush with ground, 34'± north of Comanche Rd. centerline and 725'± west of Juan Tabo Blvd. centerline.

AS BUILT INFORMATION

		DATE
CONTRACTOR		
STAKED BY		
INSPECTOR'S		
ACCEPTANCE BY		DATE
FIELD		
VERIFICATION		
CHANGES		DATE
CORRECTED BY		

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO	

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: STA. 108+00.00 TO STA. 117+49.00
EMBUDITO ARROYO IMPROVEMENTS
COMANCHE ROAD TO TRACY STREET

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		3/13/85
A.C.E.-Design		3/13/85	Traffic		3/13/85
A.C.E.-Hydrology		3/13/85	Water		3/13/85

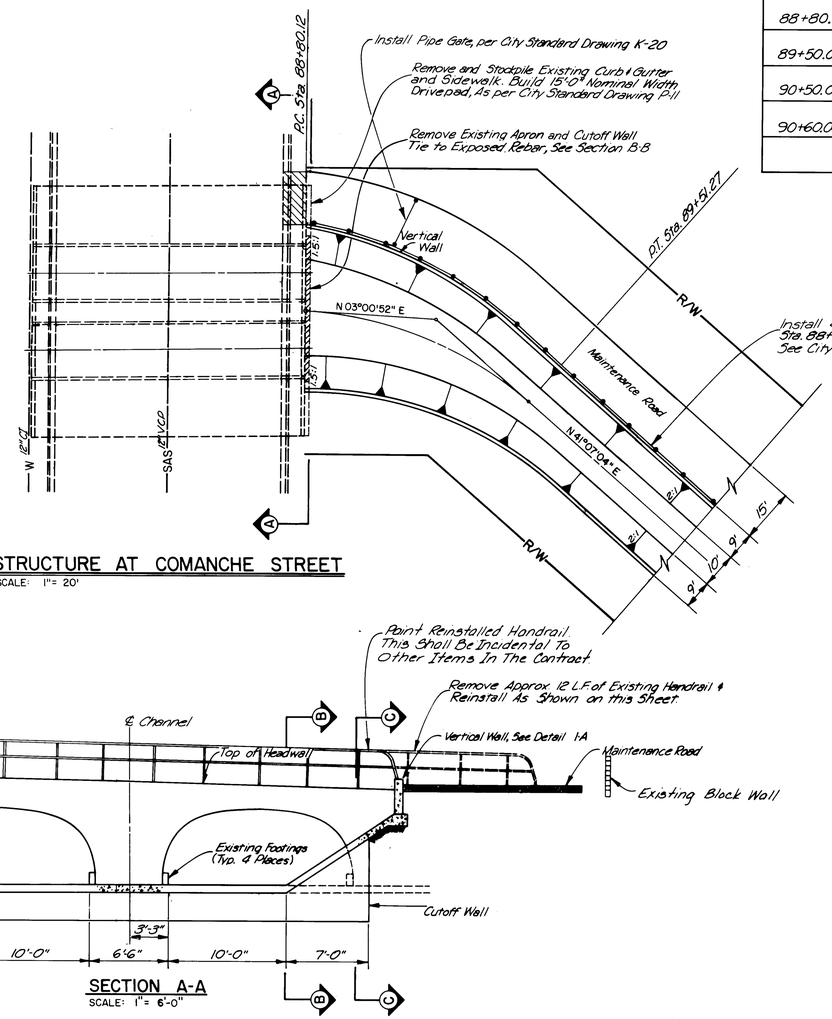
DRAWING NO.	MAP NO.	SHEET	OF
2296	G-21 & G-22	4	16

RECORD DRAWINGS
12/5/85

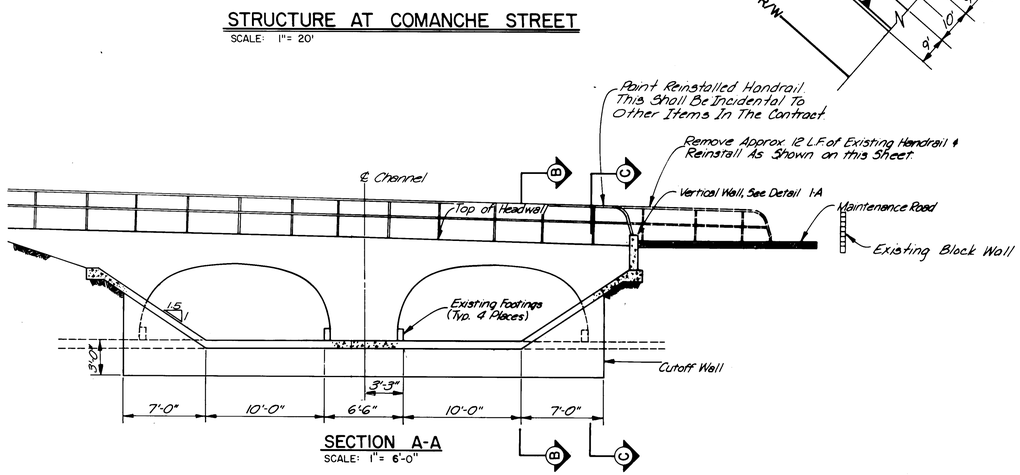
BRUNING 44 132 62236

VERTICAL WALL HEIGHTS-TABLE 1

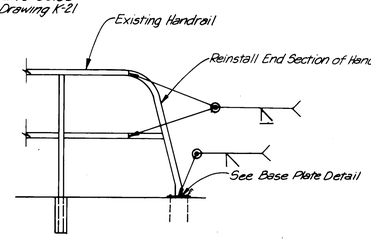
STATION	H	COMMENTS	W
88+80.12-Lt.	3'-0"	Begin Vertical Wall @ Comanche Structure	2'-3"
89+50.00-Lt.	4'-0"		3'-0"
90+50.00-Lt.	1'-0"		0'-9"
90+60.00-Lt.	0'-6"	End Vertical Wall	0'-6"



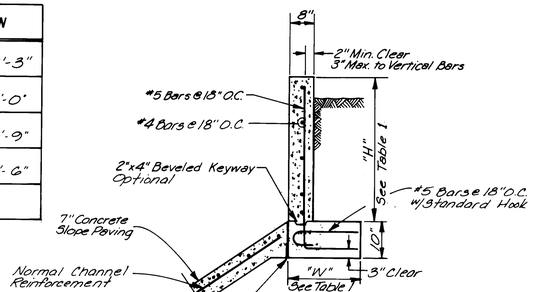
STRUCTURE AT COMANCHE STREET
SCALE: 1" = 20'



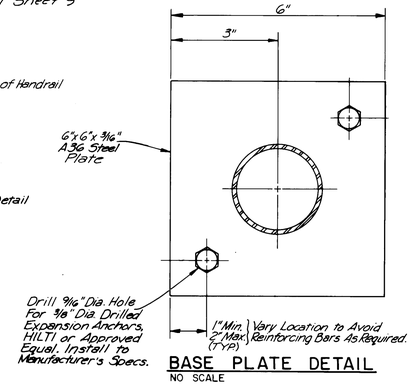
SECTION A-A
SCALE: 1" = 6'-0"



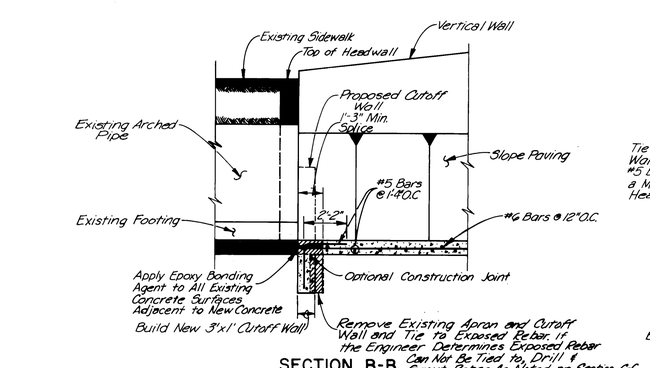
REINSTALLATION OF HANDRAIL
NO SCALE



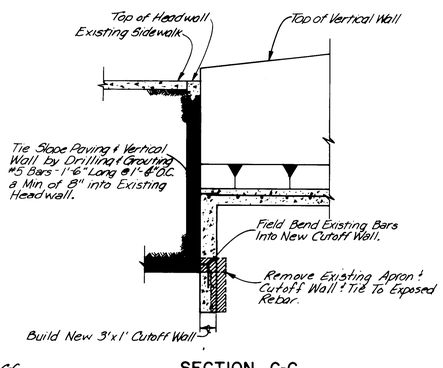
DETAIL 1-A
VERTICAL WALL
SCALE: 1" = 2'-0"



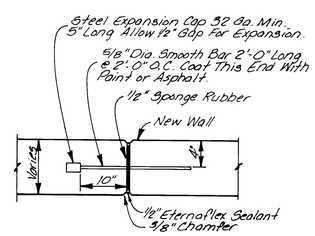
BASE PLATE DETAIL
NO SCALE



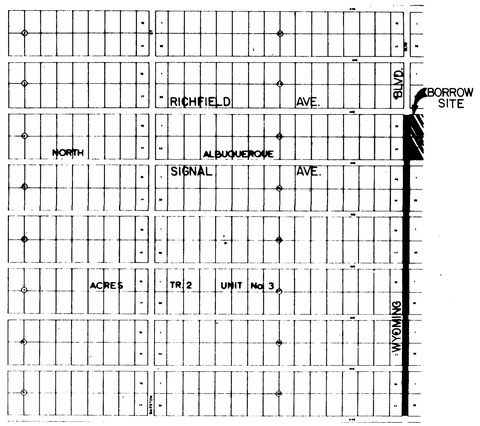
SECTION B-B
SCALE: 1" = 4'-0"



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



TYPICAL 1/2" EXPANSION JOINT
NO SCALE
For Floor, No Eternaflex or Chamfer is Required on Bottom.



BORROW SITE △1
HAUL ROUTE DIAGRAM
NO SCALE

JOB NO. 43080

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL

NO.	DATE	REVISIONS REMARKS	BY
△1	4-9-85	Change Location of Borrow Site	HCS

DESIGNED BY T.L.H., K.R.J. — DATE 2-85
DRAWN BY N.A.W. — DATE 2-85
CHECKED BY H.C.S. — DATE 2-85

SCALE: AS SHOWN

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

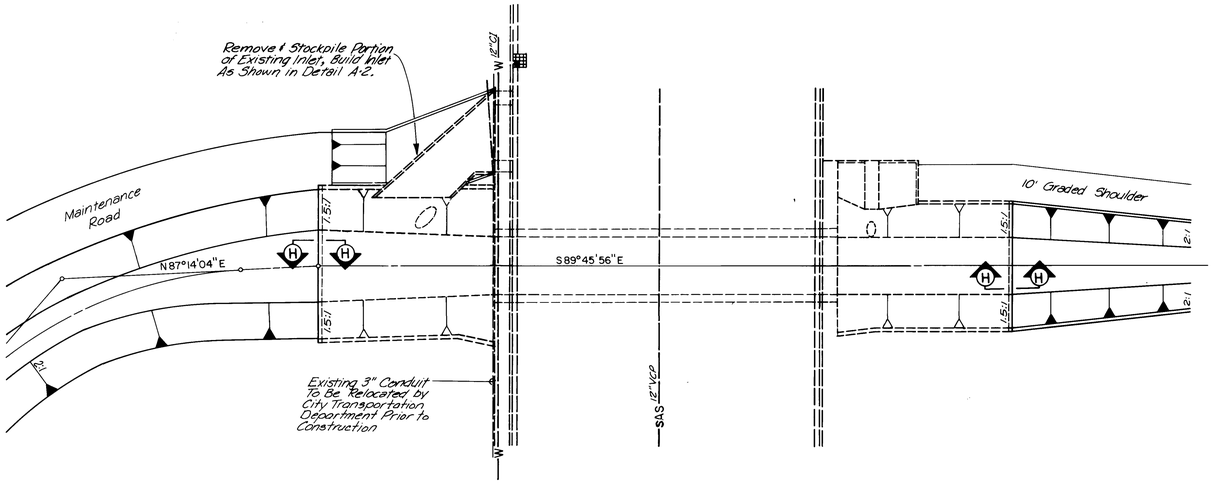
TITLE: COMANCHE TRANSITION-SECTIONS & DETAILS
EMBUDITO ARROYO IMPROVEMENTS
COMANCHE ROAD TO TRACY STREET

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[illegible]	3/13/85	Liquid Waste	P.B. Vedamuthu	3/13/85
A C E - Design	[illegible]	3/13/85	Traffic	N.A. Duth	3/13/85
A-C E - Hydrology	[illegible]	3/13/85	Water	P.B. Vedamuthu	3/13/85

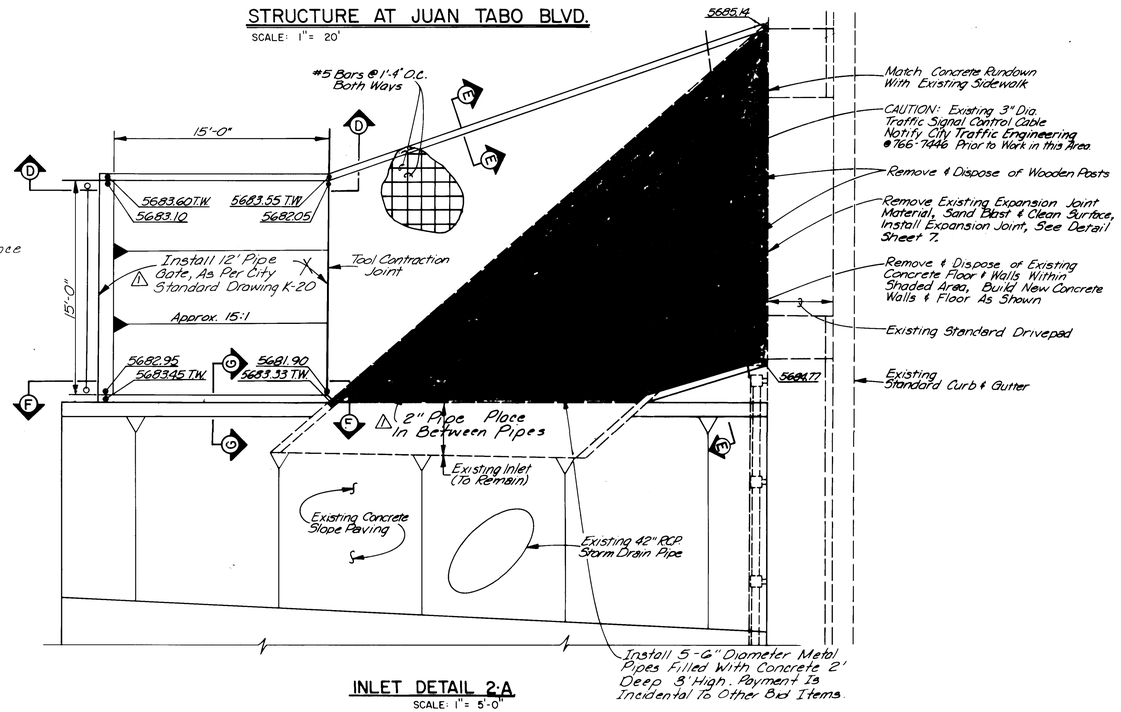
DRAWING NO. 2296 | MAP NO. | SHEET 5 OF 16

RECORD DRAWINGS
12/5/85

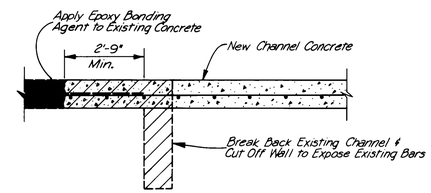
BRUNING 44-132 62236



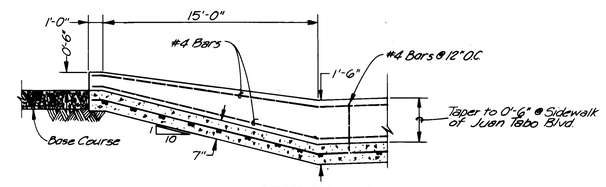
STRUCTURE AT JUAN TABO BLVD.
SCALE: 1" = 20'



INLET DETAIL 2-A
SCALE: 1" = 5'-0"



SECTION H-H
SCALE: 1" = 2'-0"



SECTION D-D
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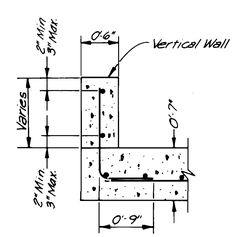

SECTION E-E
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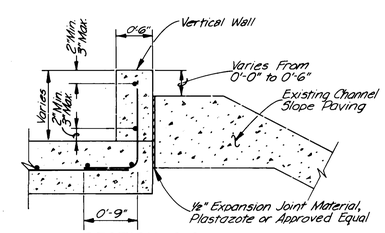
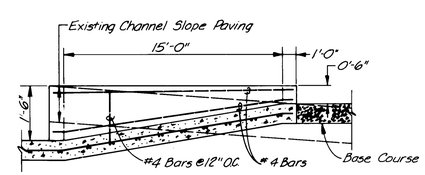


SECTION G-G
NO SCALE



SECTION F-F
NO SCALE

NOTES:
1. Reconstruction of Existing Rundown Will Be Payed For Under Bid Items "Portland Cement Fly Ash-Concrete Channel Lining (7" Thick With Thickened Edges)," And "Structural Concrete For Vertical Walls (3000 psi) Including Reinforcing Steel."

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD VERIFICATION BY — DATE
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
BY — DATE
NO.

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	11-28-85	As Built	

REVISIONS

		DATE
DESIGNED BY	T.L.H., K.R.J.	2-85
DRAWN BY	N.A.W.	2-85
CHECKED BY	H.C.S.	2-85

SCALE: AS SHOWN

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: JUAN TABO TRANSITION-SECTIONS & DETAILS
EMBUDITO ARROYO IMPROVEMENTS
COMANCHE ROAD TO TRACY STREET

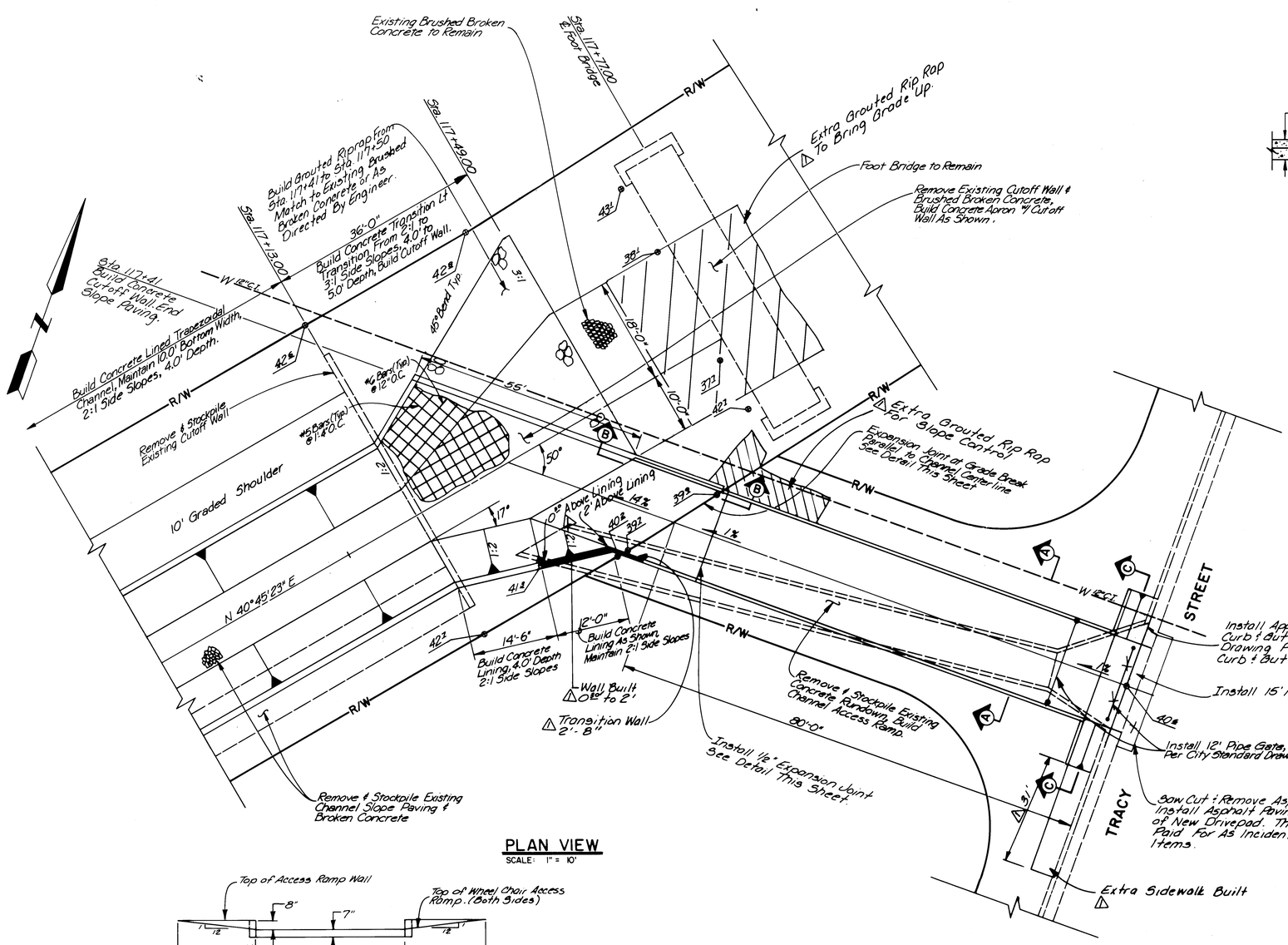
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[illegible]	3/12/85	Liquid Waste	P.B. Vedmore	3/12/85
A C E - Design	[illegible]	3/12/85	Traffic	NA DWH	3/13/85
~~A C E~~ - Hydrology	[illegible]	3/12/85	Water	P.B. Vedmore	3/12/85

DRAWING NO. 2296 | MAP NO. | SHEET 6 OF 16

JOB NO. 43080

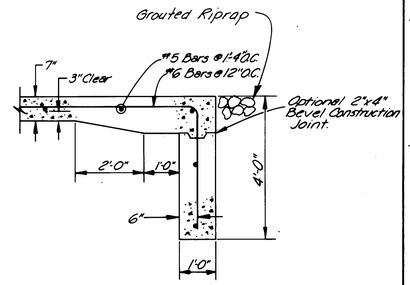
RECORD DRAWINGS
DATE 12/5/85

BRUNING 44 132 62236



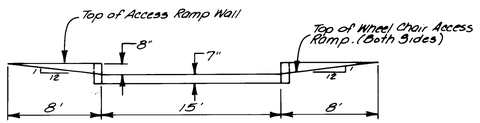
PLAN VIEW

SCALE: 1" = 10'



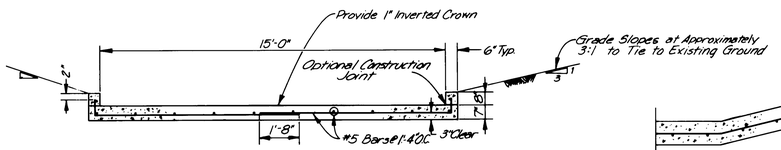
CUTOFF WALL DETAIL

NO SCALE



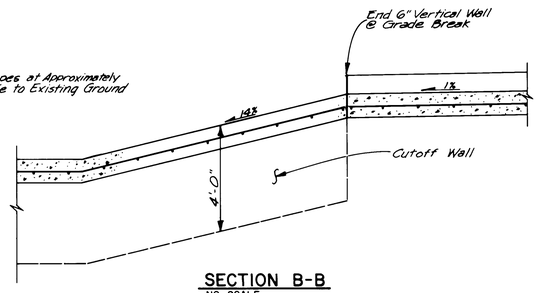
SECTION C-C

NO SCALE



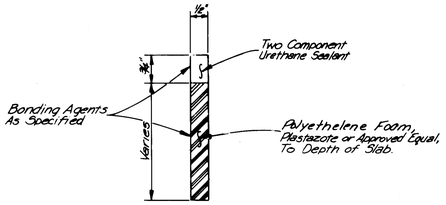
SECTION A-A

NO SCALE



SECTION B-B

NO SCALE



DRAINAGE INLET EXPANSION JOINT DETAIL

NO SCALE

NOTES:

1. Field Verify Location of Existing 12" Waterline. Concrete Cutoff Wall Must Be Constructed Downstream Of 12" Waterline.
2. Channel Access Ramp Construction Will Be Payed For Under Bid Items "Portland Cement Fly Ash-Concrete Channel Lining (7" Thick With Thickened Edges)" and "Structural Concrete For Vertical Wall (3000 psi) Including Reinforcing Steel."
3. Wheel Chair Access Ramp Shall Be Payed For Under The Bid Item 4' Sidewalk.

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY
DATE
INSPECTOR'S ACCEPTANCE BY
DATE
FIELD VERIFICATION BY
DATE
DRAWINGS CORRECTED BY
DATE
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

BENCH MARKS

ENGINEER'S SEAL

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

NO.	DATE	REMARKS	BY
1	11-22-85	As Built	

REVISIONS

DESIGNED BY	K.R.J.	DATE	2-85
DRAWN BY	N.A.W.	DATE	2-85
CHECKED BY	H.C.S.	DATE	2-85

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

SCALE: AS SHOWN

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: CHANNEL INLET DETAILS
EMBUDITO ARROYO IMPROVEMENTS
COMANCHE ROAD TO TRACY STREET

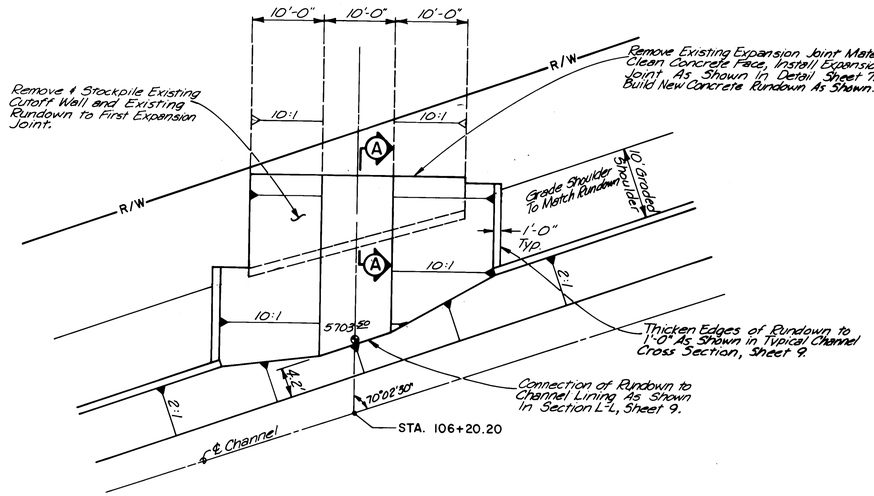
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		3/12/85	Liquid Waste		3/12/85
A.C.E.-Design		3/12/85	Traffic		3/12/85
A.C.E.-Hydrology		3/12/85	Water		3/12/85

DRAWING NO.	MAP NO.	SHEET	OF
2296		7	16

JOB NO. 43080

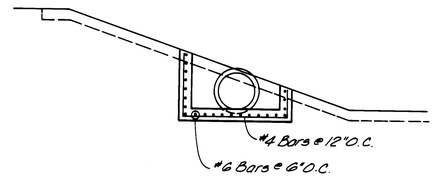
RECORD DRAWINGS
DATE 12/5/85

BRUNING 44-132 62236



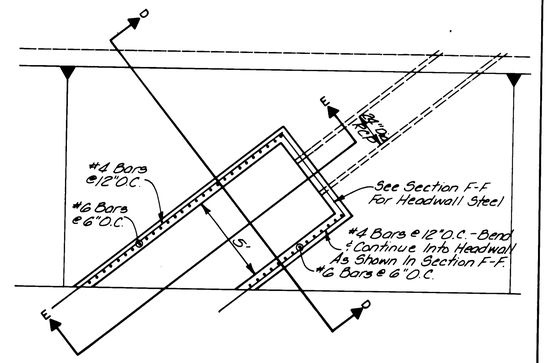
EXISTING RUNDOWN EXTENSION TO CHANNEL LINING

SCALE: 1" = 10' PLAN VIEW



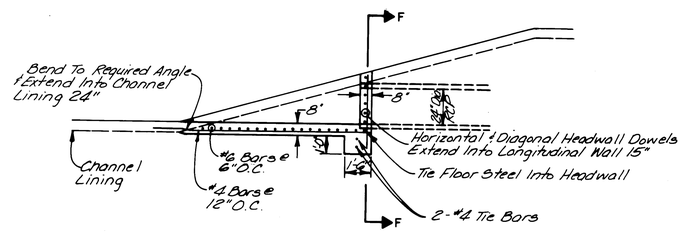
SECTION D-D

SCALE: 1" = 4'



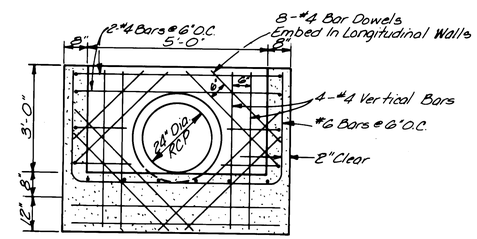
STORM DRAINAGE RELOCATION DETAILS

SCALE: 1" = 4' PLAN VIEW



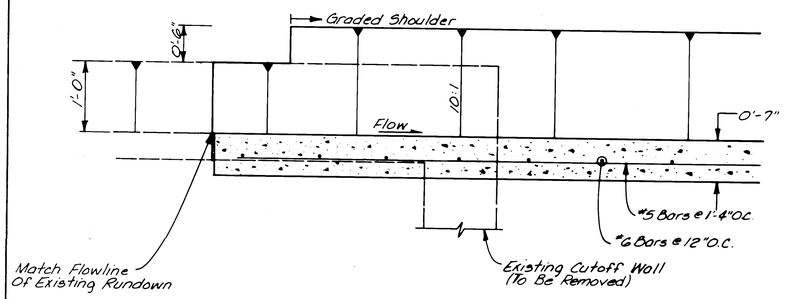
SECTION E-E

SCALE: 1" = 4'



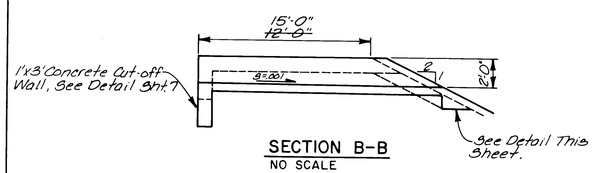
SECTION F-F

SCALE: 1" = 2'



SECTION A-A

NO SCALE



SECTION B-B

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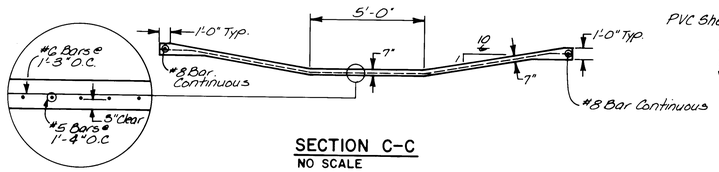
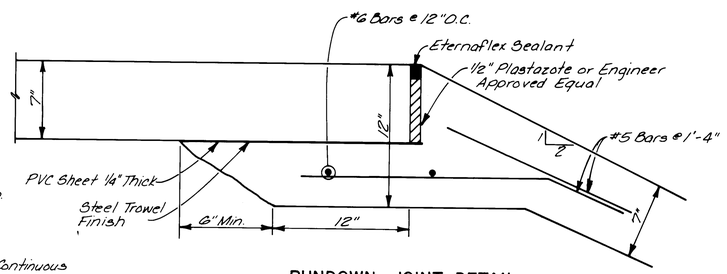


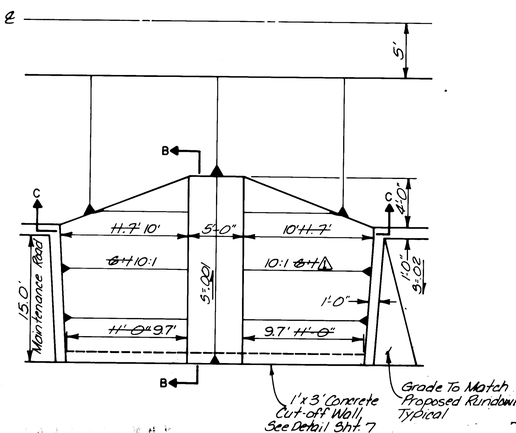
SECTION C-C

NO SCALE



RUNDOWN JOINT DETAIL

NO SCALE



RUNDOWN ACROSS MAINTENANCE ROAD

NO SCALE

BRUNING 44-132 62236

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY
INSPECTORS
FIELD FINANCE BY
VERIFICATION BY
CORRECTED BY
DATE

MICRO-FILM INFORMATION
RECORDED BY
DATE
NO

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
1	4-9-85	Changed Slope Paving on Rundown	H.C.S.

REVISIONS

DESIGN
DESIGNED BY K.R.J. DATE
DRAWN BY P.M.T. DATE
CHECKED BY H.C.S. DATE

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

SCALE: AS SHOWN

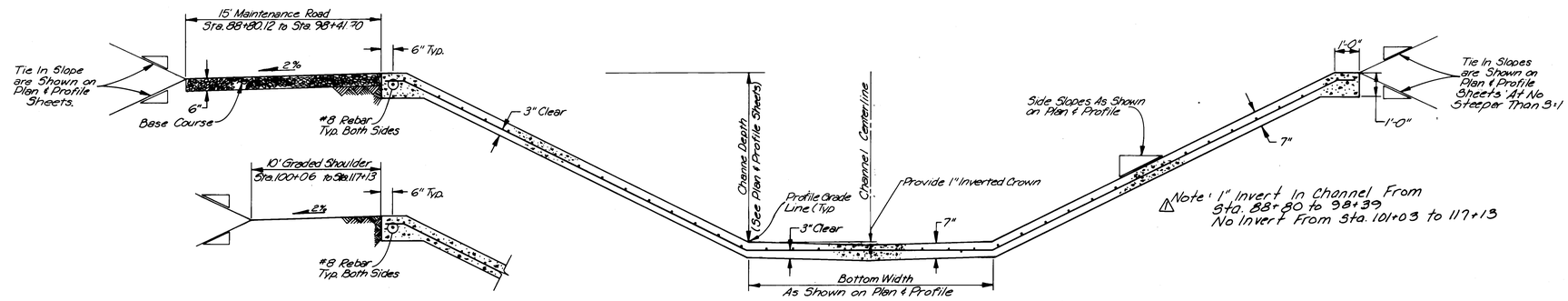
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: MISCELLANEOUS CONSTRUCTION DETAILS
EMBUDITO ARROYO IMPROVEMENTS
COMANCHE ROAD TO TRACY STREET

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		3/13/85
A.C.E.-Design		3/13/85	Traffic		3/13/85
A.C.E.-Hydrology		3/13/85	Water		3/13/85

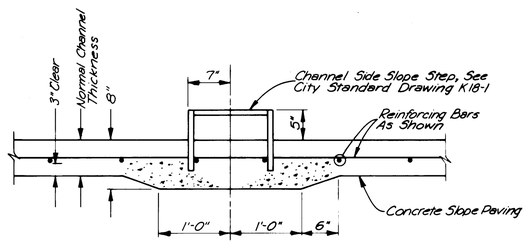
DRAWING NO. 2296 MAP NO. SHEET 8 OF 16

RECORD DRAWINGS

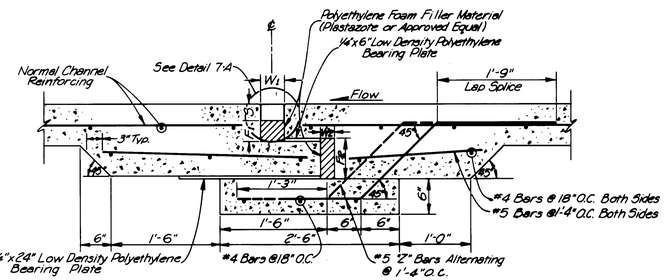


TYPICAL CHANNEL CROSS SECTION

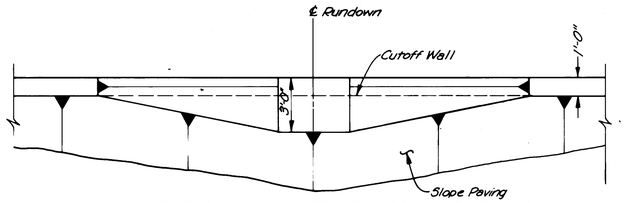
NOTE: Reinforce with #5 Bars @ 1'-4" O.C. Transverse and #6 Bars @ 1'-0" O.C. Longitudinal. (Parallel to Channel Centerline)



DETAIL 3-A

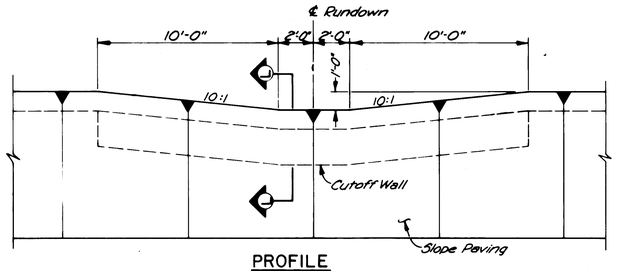


TYPICAL TRANSVERSE EXPANSION JOINT

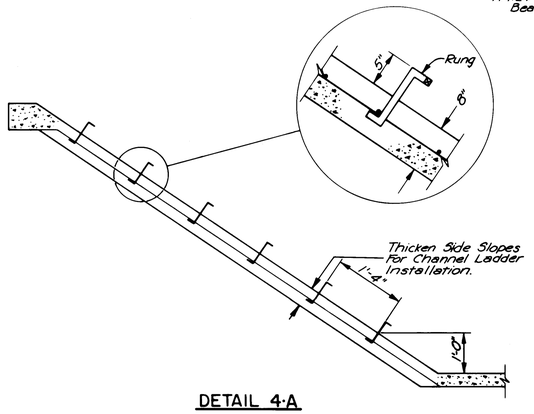


TYPICAL CHANNEL RUNDOWN DETAILS

PLAN

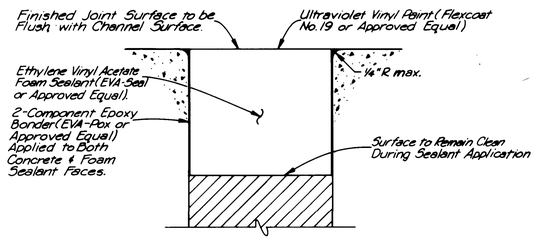


PROFILE

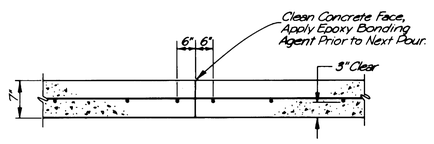


DETAIL 4-A

CHANNEL SIDESLOPE LADDER DETAILS



DETAIL 7-A



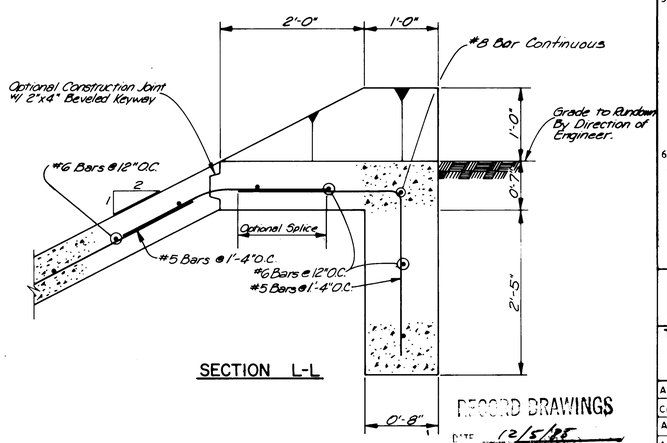
CONSTRUCTION JOINT DETAIL

AS REQUIRED BY CHANNEL CONSTRUCTION

EXPANSION JOINT FILLERS & SEALANT DIMENSIONS (in inches)

W1	W2	S	F1	F2	
2	1	2	4¼	6	
3	2	2½	3¾	6	
					THIS PROJECT
5	4	4	2¼	6	
6	5	4	2¼	6	
7	6	4	2¼	6	

NOTE: Order Width For Foam Filler Material Shall Be 25% Greater Than Dimensions of W1 & W2. Sealant △



SECTION L-L

RECORD DRAWINGS
DATE 12/5/85

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

JOB NO. 43080

NOTE:
1. Concrete Shall be 3000 P.S.I. 28 Day Strength with maximum Aggregate Size as Stated in the Specifications.
2. All Reinforcing Steel Shall be Grade 60 Deformed Bars, Unless Otherwise Shown.
3. Splices in Rebar in Typical Channel Section Shall be 1'-0" or Greater for No. 3 and No. 4 Bars, 1'-3" for No. 5 Bars, 2'-3" for No. 6 Bars and 4'-0" for No. 8 Bars, Unless Otherwise Shown.
4. All Steel Spacing are given to the Centerline of the Bar, U.O.S.
5. All Exposed Edges Shall have a ¾" Chamfer, Unless Noted Otherwise.
6. Channel Rebar Shall be Supported on 3½" Sand Chairs at a Maximum Spacing of 5' Perpendicular to the Channel Centerline.
7. Place Ladder Steps as Shown on Plan and Profile Sheets on Both Sides of Channel.
8. Maintenance Road Shall be Surfaced with 6" Class I Crushed Gravel Base as Stated in the Specifications.
9. Minimum Subgrade Compaction Shall be 90% per ASTM D 1557.
10. Bar Inside Diameter Bend is 6 Times the Bar Diameter.

EXPANSION JOINT CONSTRUCTION NOTES

1. Compact sleeper subgrade to 90% per ASTM D 1557.
2. Pour sleeper with Z-bar reinforcement extending above slab. Steel trowel bearing plate surface only.
3. Compact subgrade and form downstream portion of joint. Construction joints may be installed a min. of 5 feet upstream and downstream of joint centerline. Place lower bearing plate and downstream reinforcing and make downstream pour. Steel trowel upper bearing plate surface.
4. Compact subgrade and form upstream portion of joint. Place reinforcing steel, upper bearing plate, and upper and lower foam filler material. Upper bearing plate must be parallel to lower bearing plate. Do not anchor foam filler material with nails or bonding agent, but keep flush with poured downstream section. Block out foam sealant notch, clean exposed sleeper surface and make upstream pour.
5. When upstream and downstream concrete has reached a min. of 80% design strength or after a minimum of seven days has elapsed since concrete was poured, remove sealant notch form, sand blast vertical surfaces and blow all debris from notch. Apply Epoxy bonder to both vertical concrete faces and to both sides of foam sealant material. Immediately compress foam sealant into notch. Remove bonder from top surface of sealant material, but do not clean bonder bead along edges.
6. If sealant material extends from 0" to 1/8" above channel flowline, apply ultraviolet paint as specified. If sealant material extends from 1/8" to 1/2" above channel flowline, power sand material flush with channel flowline under the direction of the Engineer prior to application of ultra violet paint.

NOT TO SCALE

AS BUILT INFORMATION
CONTRACTOR — DATE
WORK STAKED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
VERIFICATION BY — DATE
CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
MARVIN C. STAMM
6999
REGISTERED PROFESSIONAL ENGINEER

REVISIONS
NO. DATE REMARKS BY
△1 11-26-85 As Built

DESIGNED BY T.L.H., K.R.J. DESIGN DATE 2-85
DRAWN BY N.A.W. DATE 2-85
CHECKED BY H.C.S. DATE 2-85

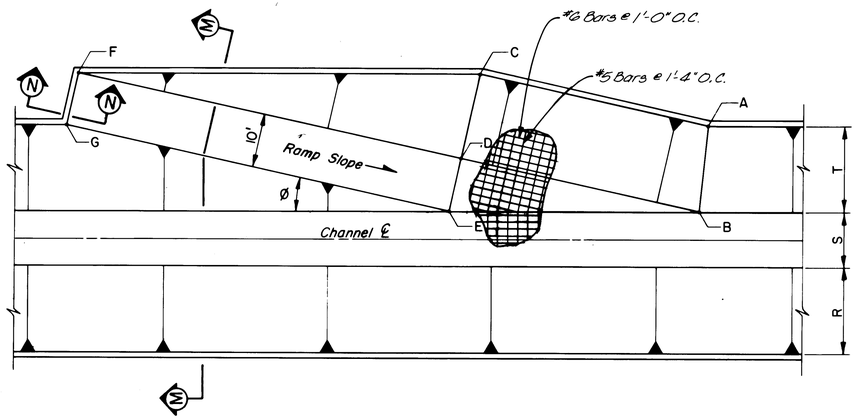
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: TYPICAL CHANNEL SECTIONS AND DETAILS
EMBUDITO ARROYO IMPROVEMENTS
COMANCHE ROAD TO TRACY STREET

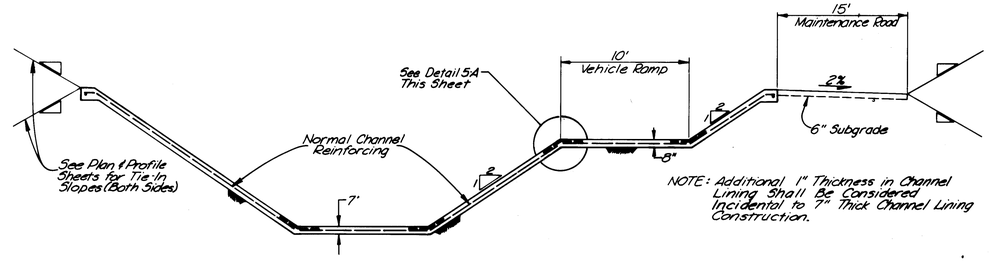
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[illegible]	3/20/85	Liquid Waste	B. Vedamuthu	3/13/85
A.C.E. - Design	[illegible]	3/13/85	Traffic	D.A. Duff	3/13/85
~~A.C.E.~~ - Hydrology	[illegible]	3/13/85	Water	P.B. Vedamuthu	3/13/85

DRAWING NO 2296 | MAP NO. | SHEET 9 OF 16

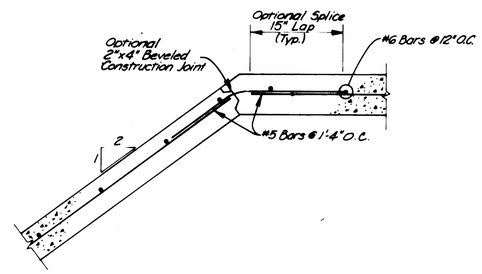
BRUNING 44 132 62236



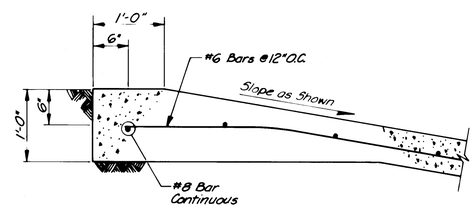
MAINTENANCE VEHICLE RAMP
PLAN VIEW



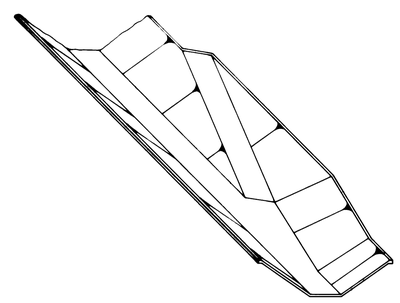
SECTION M-M



DETAIL 5-A



SECTION N-N



ISOMETRIC VIEW

SITE DESCRIPTION	CHANNEL SIDE SLOPE	SLOPE (%)		Ø	DIMENSIONS			POINT							
		CHANNEL	RAMP		R	S	T	DESCRIPTION	A	B	C	D	E	F	G
Embudito Arroyo Sta. 92+50.00 to Sta. 93+78.56	2:1	3.00%	10.0%	8°02'54"	8'	10'	8	STATION	92+50.00	92+50.56	93+20.01	93+20.58	93+21.98	93+77.16	93+78.56
								ELEVATION	5663.44	5659.46	5665.54	5661.56	5661.60	5667.25	5667.29
								OFFSET FROM CHANNEL ℄	13.00'	5.00'	22.90	14.90'	5.00'	22.90	13.00'
								STATION							
								ELEVATION							
								OFFSET FROM CHANNEL ℄							
								STATION							
								ELEVATION							
								OFFSET FROM CHANNEL ℄							
								STATION							
								ELEVATION							
								OFFSET FROM CHANNEL ℄							
								STATION							
								ELEVATION							
								OFFSET FROM CHANNEL ℄							
								STATION							
								ELEVATION							
								OFFSET FROM CHANNEL ℄							
								STATION							
								ELEVATION							
								OFFSET FROM CHANNEL ℄							

RECORD DRAWINGS
12/5/85

JOB NO: 43080

GENERAL NOTES:
1. Maintenance Ramp may be located on side other than that illustrated in Plan View Diagram. See Plan & Profile Sheets for Actual location.
2. For Typical Channel Sections, See Sheet 9.

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTOR'S FIELD NOTES BY — DATE
FABRICATION BY — DATE
CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
NEW MEXICO U.S.A. — 6008 — REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

REVISIONS

		DATE
DESIGNED BY	T.L.H., K.R.J.	2-85
DRAWN BY	N.A.W.	2-85
CHECKED BY	H.C.S.	2-85

26 2296 10 8 5

NOT TO SCALE

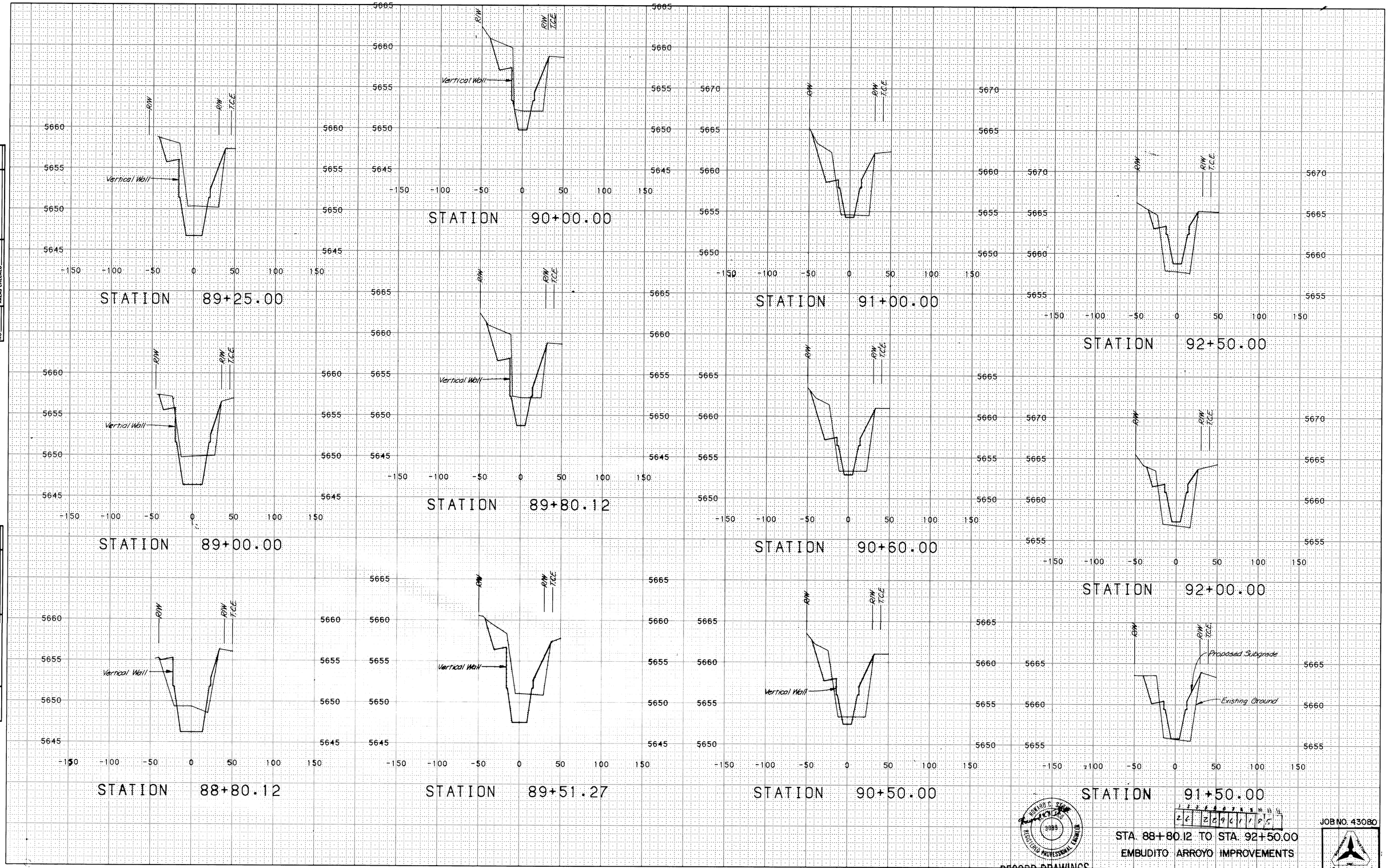
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: MAINTENANCE VEHICLE RAMP DETAILS
EMBUDITO ARROYO IMPROVEMENTS
COMANCHE ROAD TO TRACY STREET

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[illegible]	[illegible]	Liquid Waste	P.B. Nedmark	3/13/85
A C E - Design	[illegible]	3/13/85	Traffic	[illegible]	3/13/85
~~A C E~~ - Hydrology	[illegible]	3/13/85	Water	P.B. Nedmark	3/13/85

DRAWING NO. 2296 | MAP NO. | SHEET 10 OF 16

BRUNING 44 132 62236



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

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

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

RECORD DRAWINGS
DATE 12/5/85

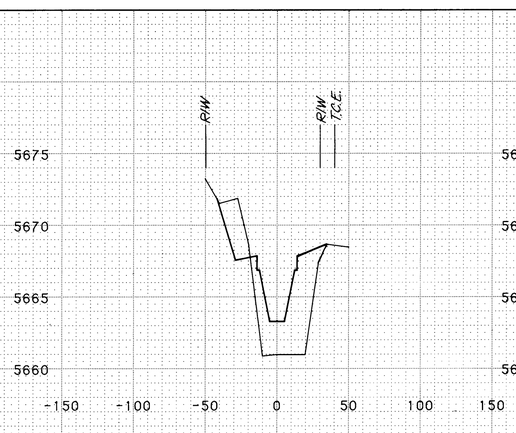
RICHARD C. SWAN
NEW MEXICO
3089
REGISTERED PROFESSIONAL ENGINEER

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

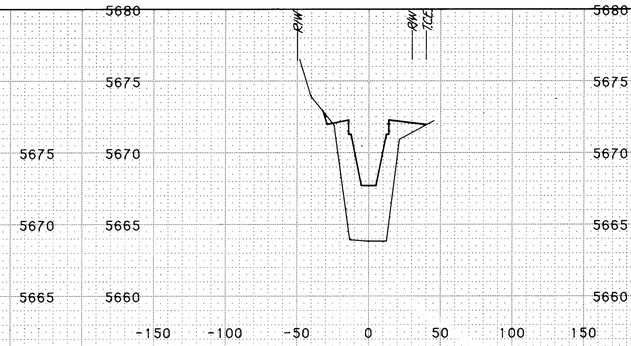
STA. 88+80.12 TO STA. 92+50.00
EMBUDITO ARROYO IMPROVEMENTS

JOB NO. 43080

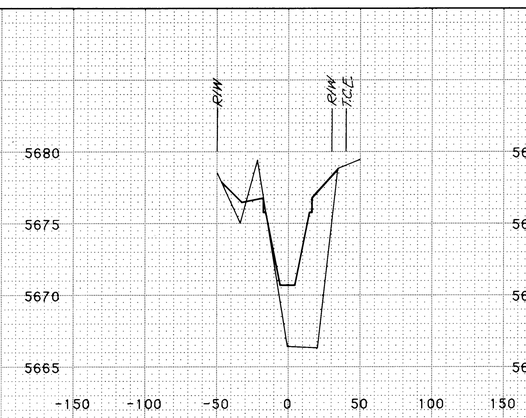
Sheet 11 of 16



STATION 94+00.00



STATION 95+50.00



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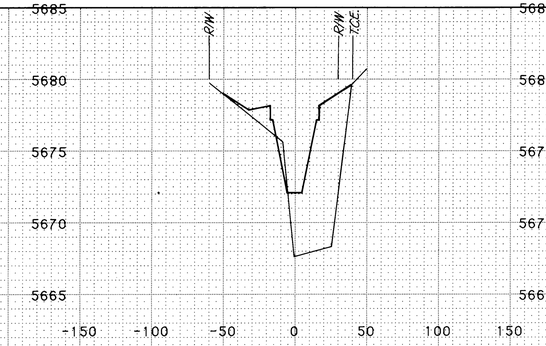

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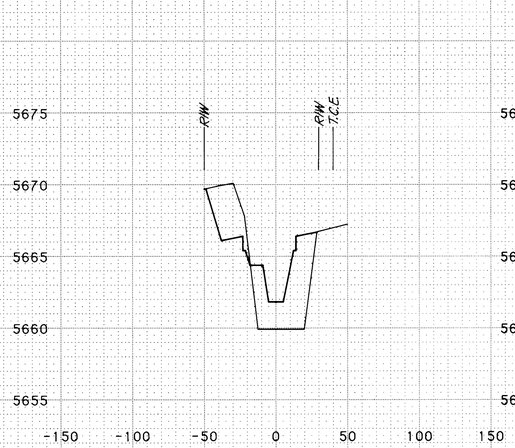

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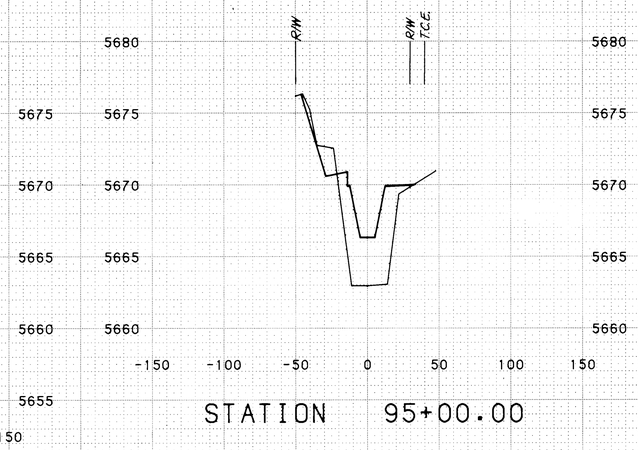

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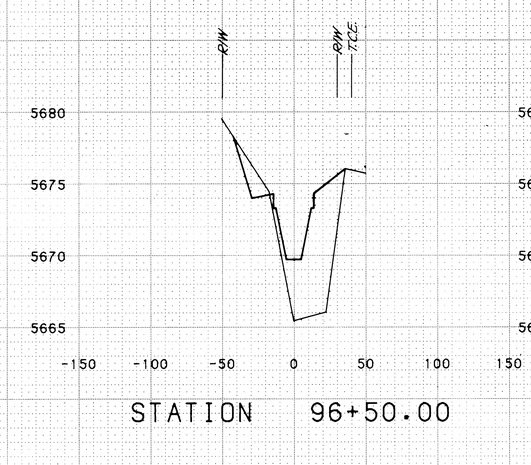

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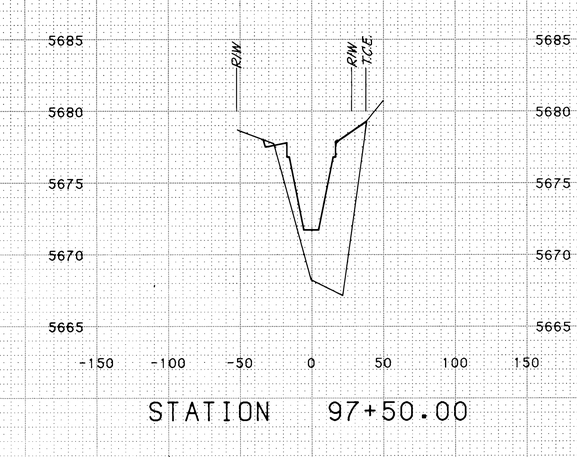

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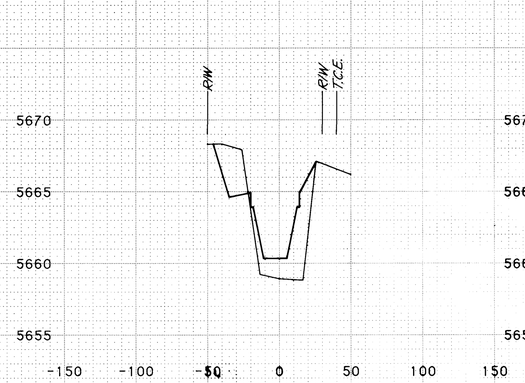

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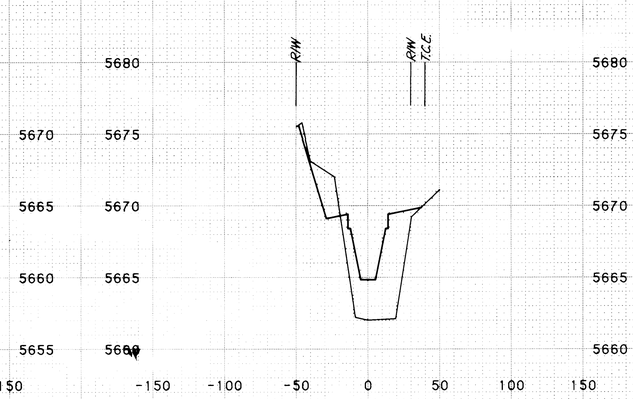

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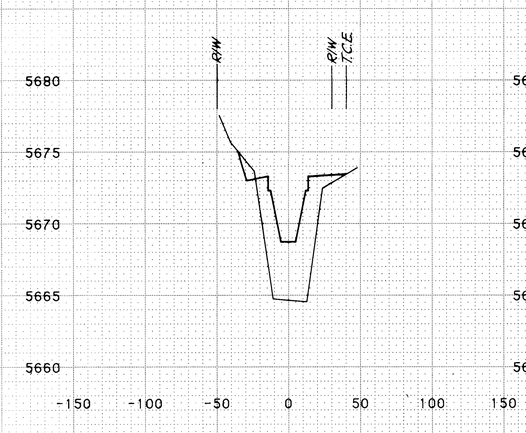

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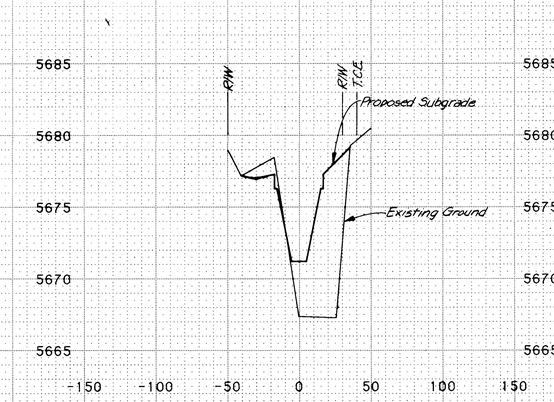

STATION 97+22.73

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

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

HOWARD C. STOCKTON 3089 REGISTERED PROFESSIONAL ENGINEER

RECORD DRAWINGS
DATE 12/5/85

STA. 93+00.00 TO STA. 97+69.18
EMBUDITO ARROYO IMPROVEMENTS

JOB NO. 43090

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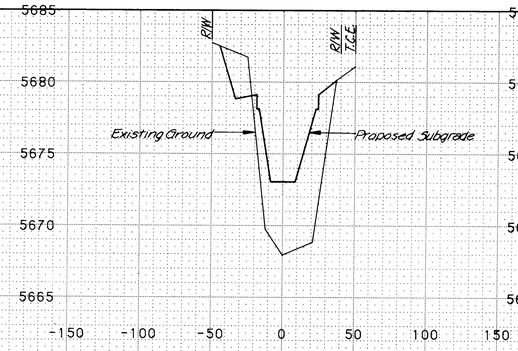
PLATE 3 CROSS SECTION - DOTTED
CHARLES BRUNING COMPANY
MADE IN U.S.A.



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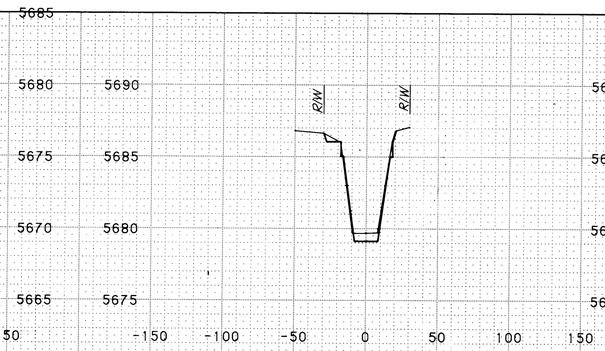

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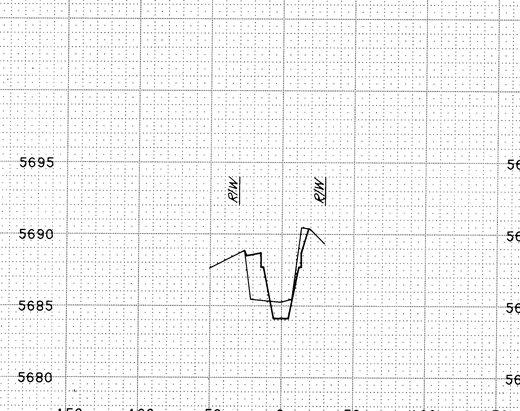

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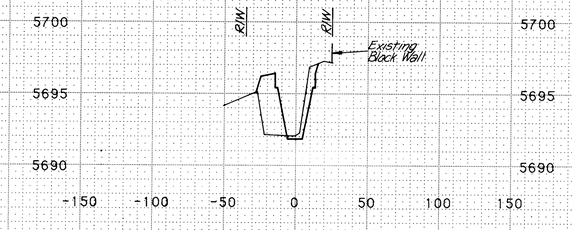

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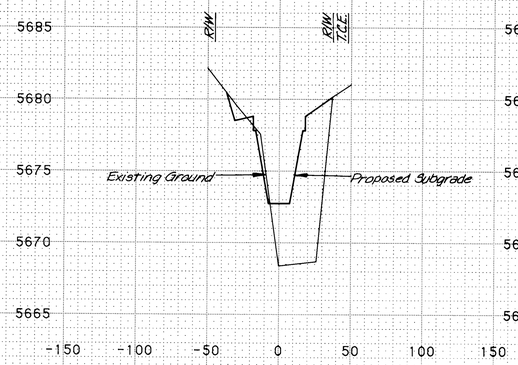
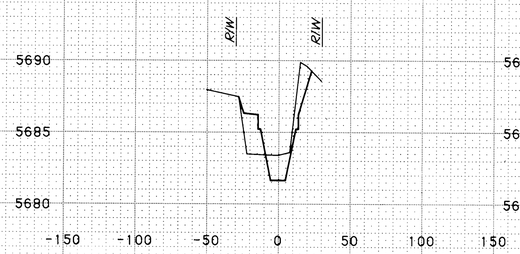


STATION 98+00.00

STATION 98+39.18



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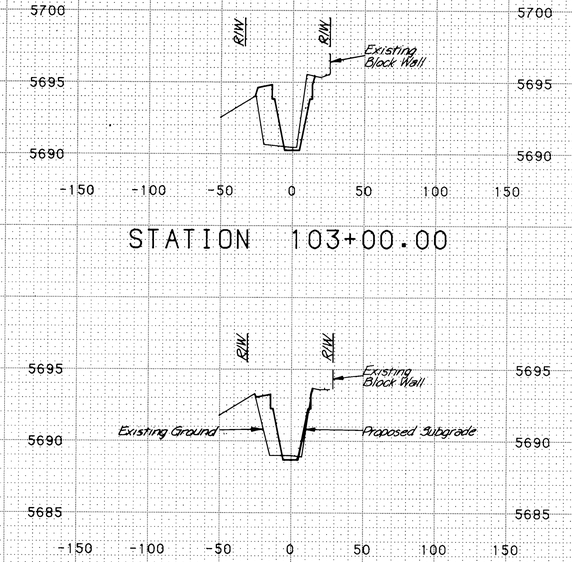
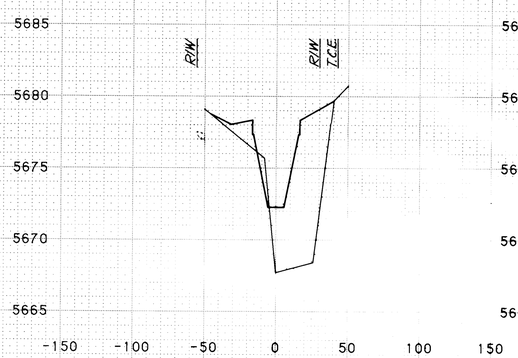
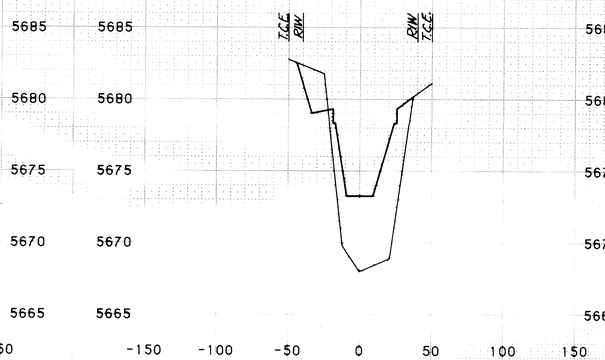


STATION 103+00.00

STATION 102+50.00

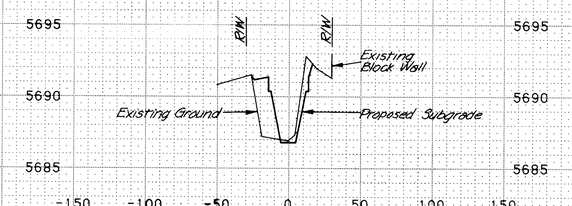


STATION 97+75.00



STATION 98+25.25

STATION 100+50.00



STATION 102+00.00

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

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

HOWARD C. STUART
9099
REGISTERED PROFESSIONAL ENGINEER

26 229 6138 5

STA. 97+75.00 TO STA. 103+50.00

EMBUDITO ARROYO IMPROVEMENTS

JOB NO. 43080

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

RECORD DRAWINGS

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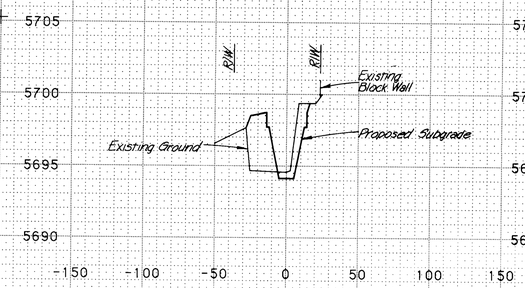
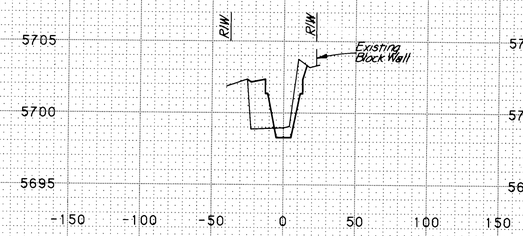
FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

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



STATION 104+20.00



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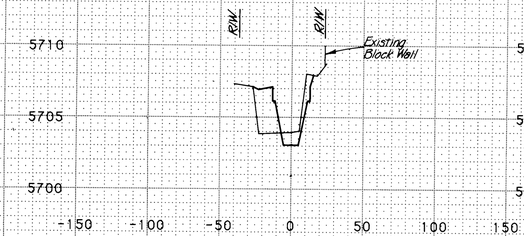
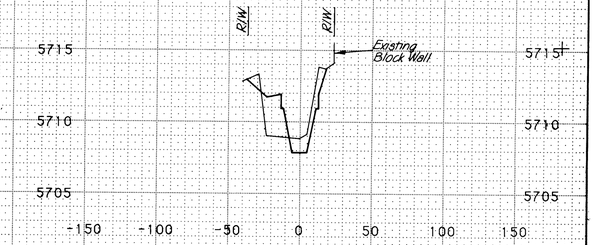


STATION 107+00.00



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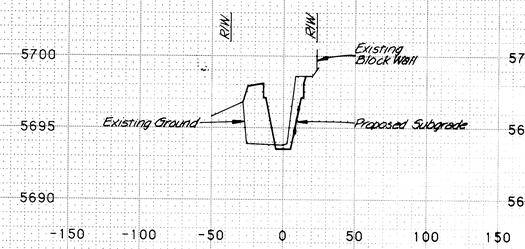

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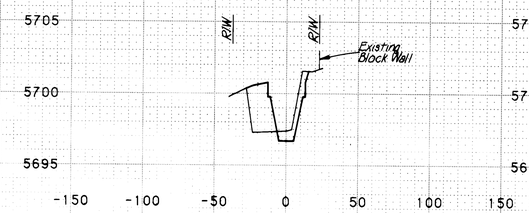

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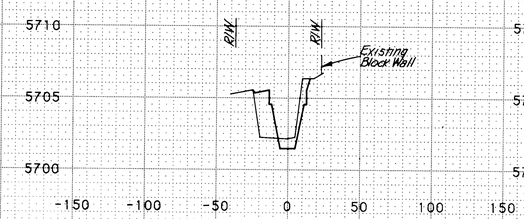

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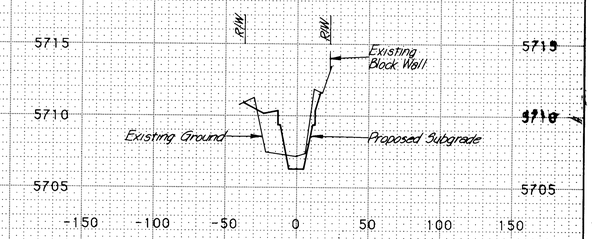

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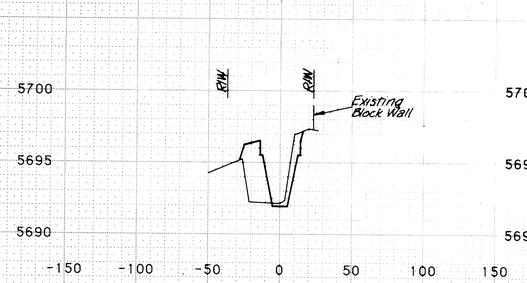

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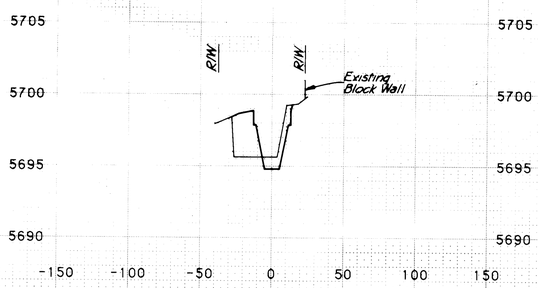

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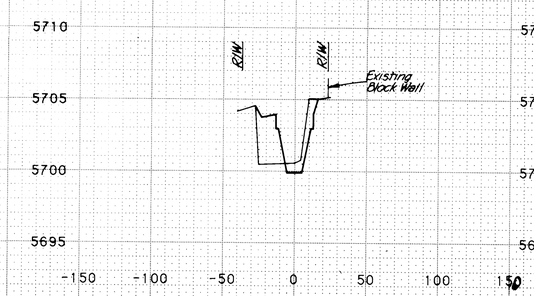
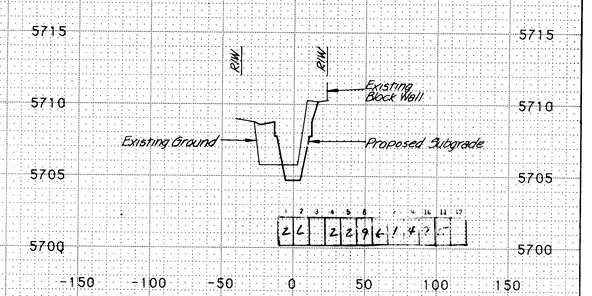


STATION 106+00.00



STATION 107+50.00

HOWARD C. STAUFFER
3080
REGISTERED PROFESSIONAL ENGINEER

STA. 103+50.00 TO STA. 108+50.00
EMBUDITO ARROYO IMPROVEMENTS

JOB NO. 43080

RECORD DRAWINGS

DATE 12/5/95

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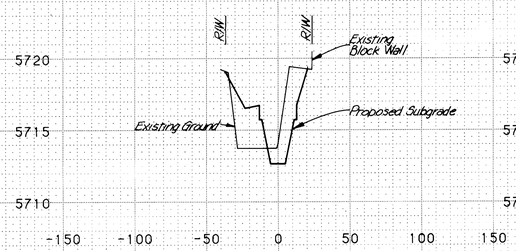
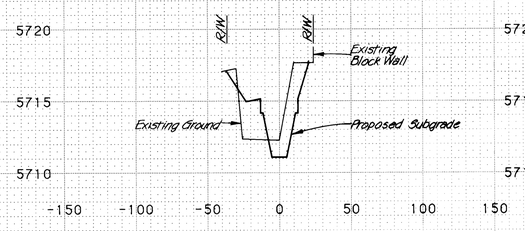
PLATE 3 CROSS SECTION - DOTTED
CHARLES BRUNING COMPANY
MADE IN U.S.A.

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

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



STATION 110+00.00



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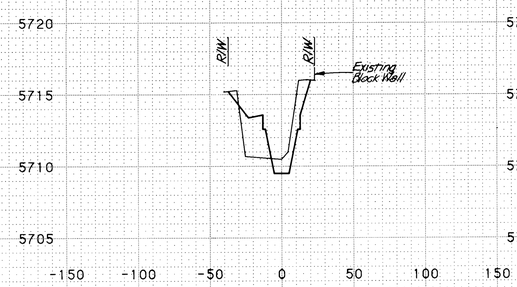

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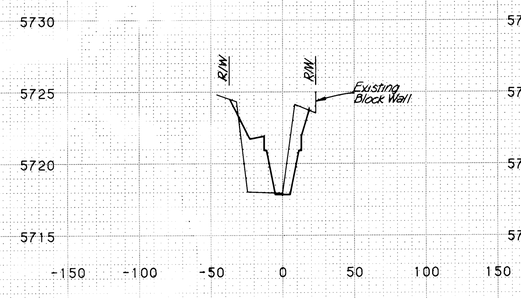
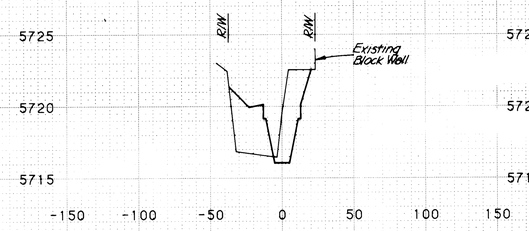
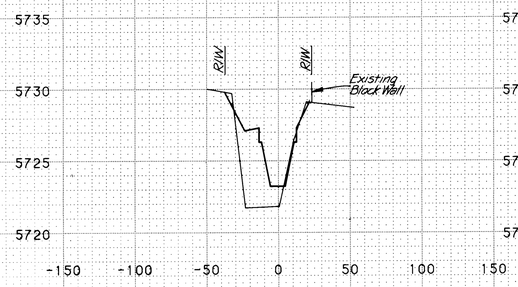


STATION 111+50.00



STATION 111+00.00

STATION 110+50.00



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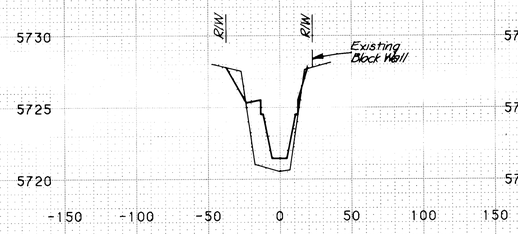

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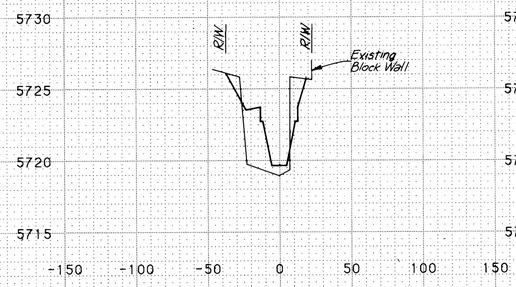

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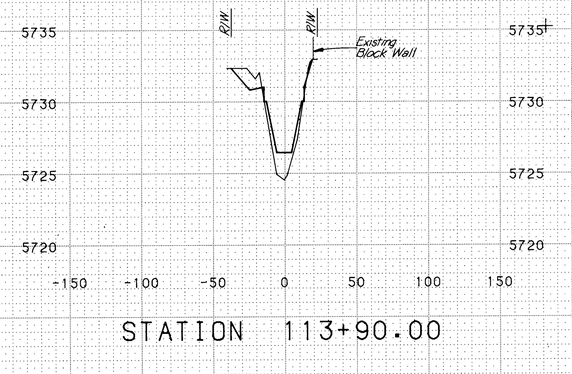
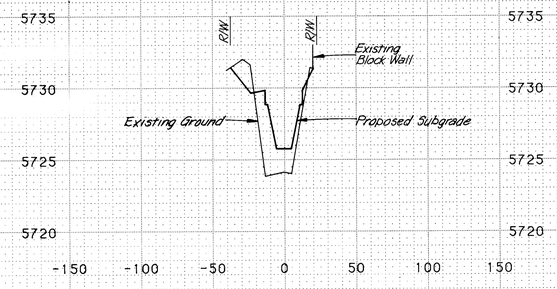
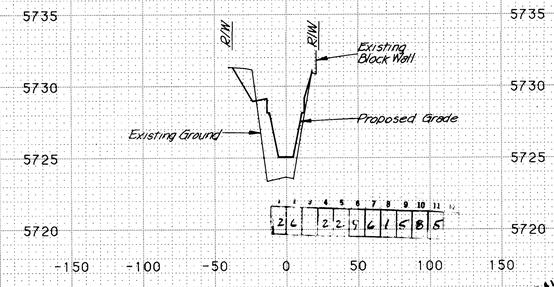


STATION 113+90.00



STATION 113+70.00



STATION 113+50.00

RECORD DRAWINGS
2/5/95

JOB NO. 43080

STA. 109+00.00 TO STA. 113+90.00
EMBUDITO ARROYO IMPROVEMENTS

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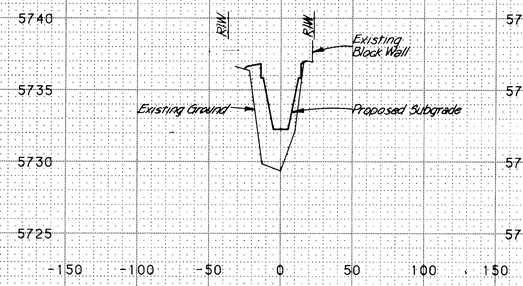
PLATE 3 CROSS SECTION - DOTTED
CHARLES BRUNING COMPANY
MADE IN U.S.A.

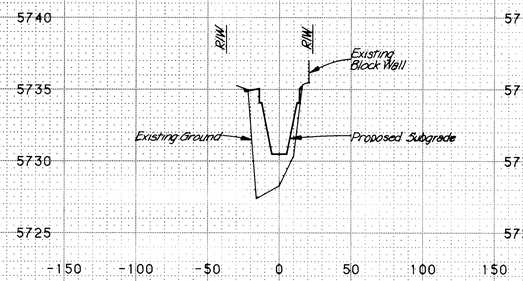
FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
HORIZ.		
VERT.		
AREAS		
AREAS CHECKED		
NOTE BOOK		
NO.		

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



STATION 115+50.00

STATION 117+00.00



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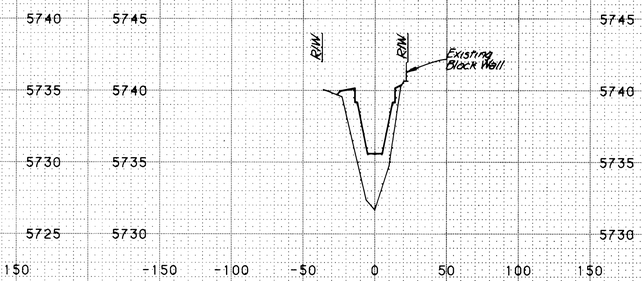
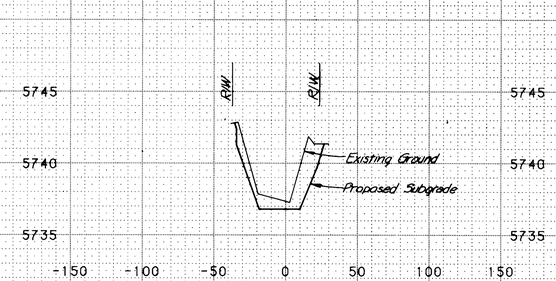


STATION 116+50.00



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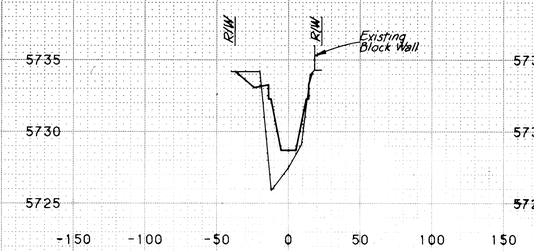

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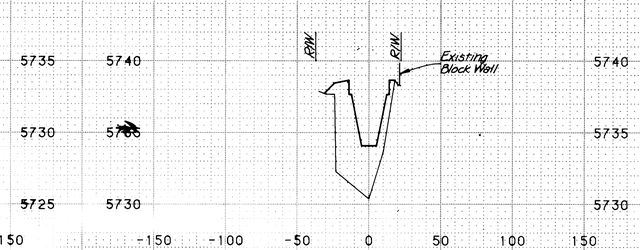

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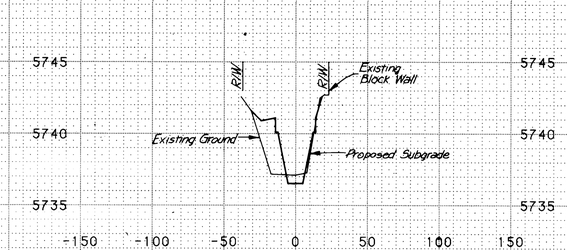

STATION 117+13.00

RECORD DRAWINGS

DATE 12/5/95

STA. 114+50.00 TO STA. 117+49.00

EMBUDITO ARROYO IMPROVEMENTS

JOB NO. 43080

Sheet 16 of 16

PLATE 3 CROSS SECTION - DOTTED

CHARLES BRUNING COMPANY

MADE IN U.S.A.