ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

CONSTRUCTION PLANS FOR NORTH AND SOUTH LA CUEVA ARROYO AND ASSOCIATED IMPROVEMENTS

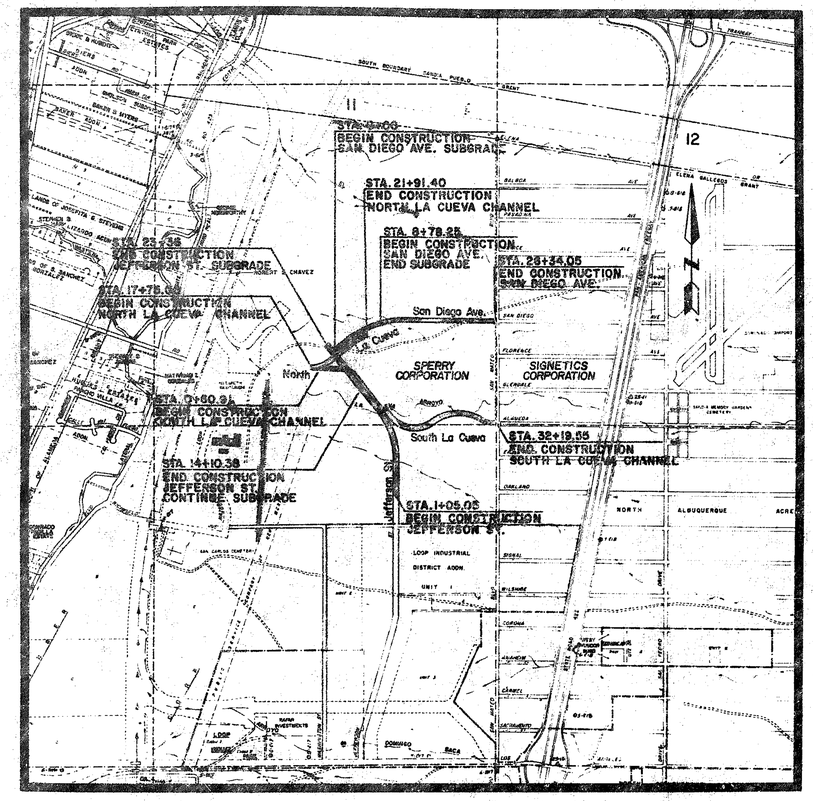
BOHANNAN HUSTON INC.

REV	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE
⚠	12 of 71			Water Resources	12/16/96		

APPROVAL OF REVISIONS

1 2 3 4 5 6 7 8 9 10 11 12
26 2455 0186

APPROVED FOR CONSTRUCTION
A.M.A.F.C.A. - EXECUTIVE ENGINEER
CITY ENGINEER



VICINITY MAP
SCALE: 1" = 1000'

LEGEND

DESCRIPTION	NEW	EXISTING	FUTURE
SANITARY SEWER LINE	SAS	SAS	SAS
SANITARY SEWER MANHOLE			
SAS SERVICE CONNECTION			
STORM DRAIN LINE	SD	SD	SD
STORM DRAIN MANHOLE			
STORM DRAIN INLET			
WATERLINE	W	W	W
GATE VALVE			
FIRE HYDRANT			
CURB & GUTTER			
SIDEWALK			
CHAIN LINK FENCE			
FIELD FENCE			
CONTOUR LINE	5150	5150	
SIDE SLOPE			
PROPERTY LINE			
RIGHT OF WAY LINE			
CENTER LINE			
PUBLIC EASEMENT			

BRUNING 44-132 62236

INDEX

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1.	TITLE SHEET
2.	INDEX, VICINITY MAP & GENERAL NOTES
	NORTH LA CUEVA-PLAN & PROFILES
3.	TEMPORARY EARTHEN CHANNEL-STA. 17+75.00 TO STA. 20+70.00
4.	STA. 20+70.00 TO STA. 25+00.00
5.	STA. 25+00.00 TO STA. 29+91.40
	SOUTH LA CUEVA-PLAN & PROFILES
6.	STA. 0+60.91 TO STA. 11+00.00
7.	STA. 11+00.00 TO STA. 22+00.00
8.	STA. 22+00.00 TO STA. 32+19.55
	SAN DIEGO AVENUE-PLAN & PROFILES
9.	STA. 0+00.00 TO STA. 11+00.00
10.	STA. 11+00.00 TO STA. 22+00.00
11	STA. 22+00.00 TO STA. 26+34.05
	SAN MATEO WATERLINE-STA. 0+00 TO STA. 2+42
	JEFFERSON STREET-PLAN & PROFILES
12.	STA. 1+05.05 TO STA. 12+00.00
13.	STA. 12+00.00 TO STA. 23+36.00
14.	STA. 24+00.00 TO STA. 28+00.00
14A.	TEMPORARY ROAD-STA. 0+00.00 TO STA. 9+62.76
15.	SAN MATEO BLVD. & SAN MATEO STORM DRAIN
16.	WILDFLOWER TRAINING DIKE
17.	TYPICAL CHANNEL SECTIONS & DETAILS
18.	PARK SECTION & MISCELLANEOUS DETAILS
19.	MAINTENANCE VEHICLE RAMP DETAILS
20.	MISCELLANEOUS CHANNEL DETAILS
21.	N. & S. LA CUEVA CHANNEL CONFLUENCE
22.	WILDFLOWER PARK GRADING PLAN
23-26.	SPERRY PARKING LOT GRADING PLANS
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28.	JEFFERSON BRIDGE-BRIDGE PLAN
29.	JEFFERSON BRIDGE-DECK PLAN
30.	JEFFERSON BRIDGE-NORTH ABUTMENT DETAILS
31.	JEFFERSON BRIDGE-SOUTH ABUTMENT DETAILS
32.	N.M.S.H.D.-METAL BRIDGE RAILING TYPE C
33.	N.M.S.H.D.-METAL BRIDGE RAILING GENERAL NOTES & TYPICAL DETAIL
34.	UNDERGROUND CONDUIT INLET-PLAN & PROFILE
35.	UNDERGROUND CONDUIT INLET TRANSITION SECTIONS
36.	UNDERGROUND CONDUIT INLET TRANSITION SECTIONS
37.	UNDERGROUND CONDUIT INLET TRANSITION SECTIONS
38.	UNDERGROUND CONDUIT OUTLET-HEADWALL DETAILS
39.	N.M.S.H.D.-FILL HEIGHTS & BEDDING DETAILS
40.	ENERGY DISSIPATOR
41.	CONSTRUCTION SCHEMATIC
42.	MASS DIAGRAM
43	STOCKPILE 'A' LOCATION
44-45.	SISTERS OF ST. DOMINIC PLATS
46.	SPERRY PLATS
47.	WILDFLOWER PARK PLAT
48-52.	NORTH LA CUEVA CROSS SECTIONS
53-59.	SOUTH LA CUEVA CROSS SECTIONS
60-64.	SAN DIEGO ROADWAY CROSS SECTIONS
65-70.	JEFFERSON ROADWAY CROSS SECTIONS

GENERAL NOTES

1. THE REFERENCE SPECIFICATION FOR ROADWAY EXCAVATION CHANNEL, BRIDGE AND CULVERT PIPE CONSTRUCTION IS THE NEW MEXICO STATE HIGHWAY DEPARTMENT, "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," EDITION OF 1969 AND ALL MODIFICATIONS THERETO.
2. THE REFERENCE SPECIFICATION FOR ROADWAY SANITARY SEWER AND WATERLINE CONSTRUCTION IS THE NEW MEXICO "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION," EDITION OF 1979, AND ALL MODIFICATIONS THERETO.
3. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING STRUCTURES AND OBSTRUCTIONS, RIPRAP, BROKEN CONCRETE, AND OTHER LIKE MATERIAL NOT PERMITTED TO REMAIN AS DESIGNATED ON THE PLANS OR BY THE ENGINEER. THIS WORK SHALL BE PAID FOR UNDER THE BID ITEM: "CLEARING AND GRUBBING"
4. THE CONTRACTOR WILL BE EXPECTED TO PRESERVE ALL SURVEY CONTROL POINTS INCLUDING CUT STAKES, MONUMENTS, REFERENCE POINTS, ETC. DELAYS ARISING OUT OF INADVERTENT DISTURBANCE OF SUCH POINTS WILL NOT SERVE AS JUSTIFICATION FOR TIME EXTENSIONS.
5. FOR ALL BRIDGE CONSTRUCTION THE CONCRETE SHALL BE 4,000 PSI 28 DAY STRENGTH, ALL REMAINING CONCRETE SHALL BE 3,000 PSI 28 DAY STRENGTH.
6. ALL REINFORCING STEEL SHALL BE GRADE 60 DEFORMED BARS UNLESS SHOWN OTHERWISE.
7. THE FOLLOWING ITEMS SHALL BE INCIDENTAL AND WILL BE SUBSIDIARY OBLIGATION OF THE CONTRACTOR UNDER OTHER CONTRACT ITEMS: STERNAFLEX SEALANT; FILLER; EXPANSION JOINT FILLER; EXCAVATION AND BACKFILL FOR CULVERTS AND MINOR STRUCTURES; MYLAR SHEETING; EXPANSION CAPS; AND STEEL SUPPORT CHAIRS.
8. THE PORTLAND CEMENT CONCRETE AND BAR REINFORCEMENT FOR CONCRETE SLOPE PAVING WILL BE PAID UNDER SECTION 516 OF THE NEW MEXICO STATE HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS.
9. THE PORTLAND CEMENT CONCRETE AND BAR REINFORCEMENT FOR BRIDGES WILL BE PAID UNDER SECTION 509 OF THE NEW MEXICO STATE HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS AS MODIFIED IN THE SUPPLEMENTAL TECHNICAL SPECIFICATIONS.
10. CONTRACTOR SHALL SUPPLY SHOP DRAWINGS TO THE ENGINEER FOR ALL FABRICATED MATERIALS TO BE FURNISHED AND INSTALLED IN THIS PROJECT.
11. THE SIX INCHES OF GRAVEL FOR THE MAINTENANCE ROAD SHALL BE CLASS I-B BASE COURSE.
12. SEE CITY OF ALBUQUERQUE, DEVELOPMENT PROCESS MANUAL, VOLUME 2, CHAPTER 27, SECTION 2, PAGE 5 THROUGH 8 FOR LEGEND OF LINE SYMBOLIZATION ON THESE DRAWINGS.
13. SEE TYPICAL CHANNEL SECTIONS AND MISCELLANEOUS DETAILS SHEETS 17, 18, 19, AND 20.
14. THE CONTRACTOR SHALL PROVIDE AND OBTAIN APPROVAL OF AN EROSION CONTROL PLAN AND A PLAN FOR SAFE PASSAGE OF THE 10-YEAR DESIGN STORM BEFORE BEGINNING CONSTRUCTION.
15. SHEET 39 - N.M.S.H.D. FILL HEIGHTS AND BEDDING DETAILS SHALL BE USED FOR BEDDING DETAILS ONLY.
16. ELECTRONIC MARKER DISCS SHALL BE PLACED AT ALL WATER AND SEWER STUBOUTS (SEE CITY STD. DWG. S-9).
17. ALL WATER AND SEWER STUBOUTS SHALL BE MARKED ON THE CURB WITH A "W" (FOR WATER) AND AN "S" (FOR SEWER).

1 2 3 4 5 6 7 8 9 10 11 12
26 24550286

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY — DATE
WORK INSPECTED BY — DATE
ACCEPTANCE BY — DATE
AS BUILT BY
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
Richard C. Bussell 11/85

William D. Wade 11/22/86

REFERENCES
1. NORTHEAST HEIGHTS MASTER DRAINAGE STUDY, APRIL 1975.
2. DRAINAGE MANAGEMENT STUDY LA CUEVA AND EL CAMINO ARROYOS, SEPTEMBER, 1983.
3. THE INTERSTATE 25 FRONTAGE ROADS DRAINAGE STRUCTURE ANALYSIS APRIL, 1982.

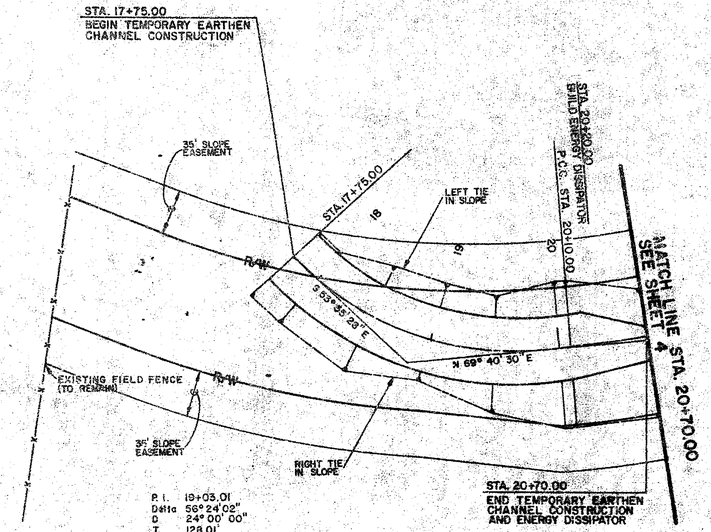
NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DATE 5-85
DESIGNED BY	T.L.H., M.H.D.		
DRAWN BY	N.A.W.		DATE 5-85
CHECKED BY	M.D.L.		DATE 5-85

CITY OF ALBUQUERQUE
ALBUQ. METRO. ARROYO FLOOD CONTROL AUTHORITY

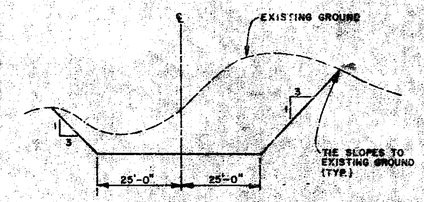
TITLE: INDEX, VICINITY MAP & GENERAL NOTES
N. & S. L.A CUEVA CHANNEL PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		5/15/85	Liquid Waste		5/15/85
A C E - Design		5/14/85	Traffic		5/14/85
A C E - Hydrology		5/14/85	Water		5/15/85

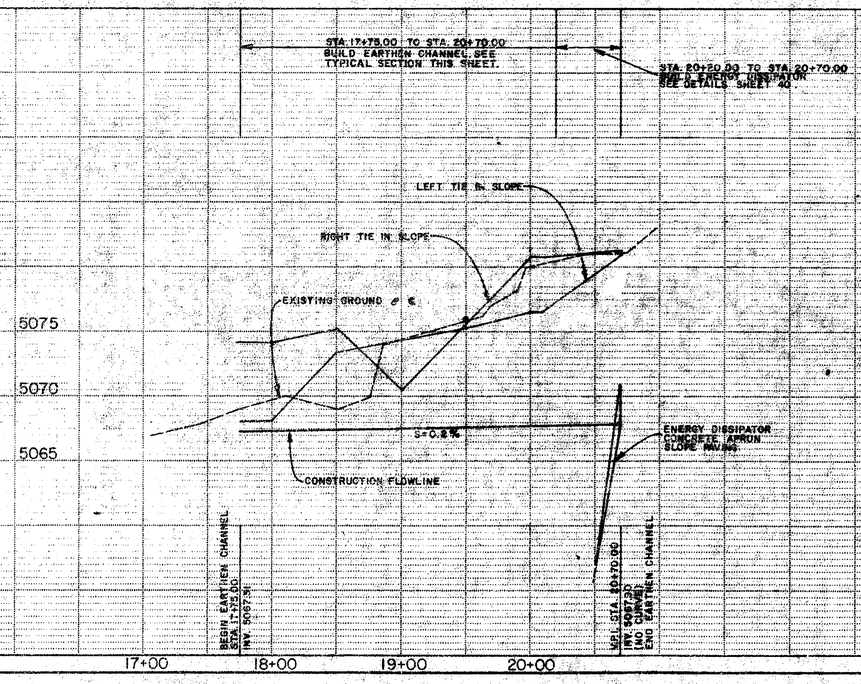
DRAWING NO. 2455 | MAP NO. | SHEET 2 OF 71



NOTES:
1. See Sheet 40 For Energy Dissipator Details.
2. See Sheet 4 For All Existing Information Pertaining To The Temporary Earthen Channel.



TEMPORARY EARTHEN CHANNEL
TYPICAL SECTION
NO SCALE



BRUNING 44-132 62136

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

AS BUILT INFORMATION
CONTRACTOR
STAKING BY
INSPECTORS
FIELD FENCE BY
GRADING CONTROL BY
CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO

BENCH MARKS
BH-27 - Set 3-1/4" Aluminum Cap on 3/0" Rod with Caltrans Collar, Marked "BH-27, 1994, ELEV. 5092.93"

NO.	DATE	REMARKS

DESIGN
DESIGNED BY T.L.H DATE 5-85
DRAWN BY P.M.T. DATE 5-85
CHECKED BY M.H.D. DATE 5-85

ENGINEER'S SEAL

RECORD DRAWING
DATE 11/24/96

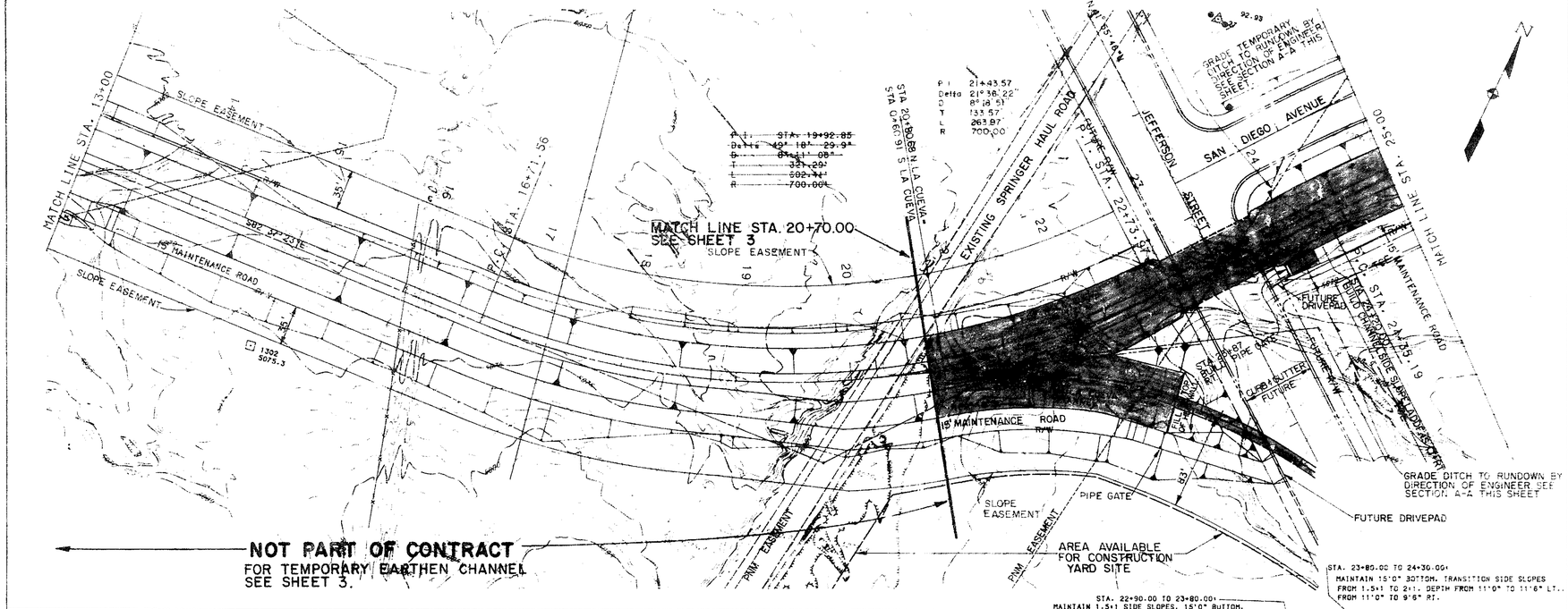
SCALE:
1"=50' HORIZ.
1"=5' VERT.

CITY OF ALBUQUERQUE
ALBUQ. METRO. ARROYO FLOOD CONTROL AUTHORITY

TITLE: TEMPORARY EARTHEN CHANNEL STA 17+75.00 TO STA 20+70.00
N. & S. LA CUEVA CHANNEL PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		5/15/95
A.C.E.-Design		5/15/95	Traffic		5/15/95
A.C.E.-Hydrology		5/15/95	Water		5/15/95

DRAWING NO. 2455 | MAP NO. B-17 | SHEET 3 OF 71



STA. 23+80.00 TO 24+30.00: MAINTAIN 15'0" BOTTOM. TRANSITION SIDE SLOPES FROM 1.5:1 TO 2:1. DEPTH FROM 11'0" TO 11'6" LT.. FROM 11'0" TO 9'6" RT.

STA. 13+10.00 TO 18+00.00: MAINTAIN 2:1 SIDE SLOPES. 15'0" BOTTOM WIDTH. 10'6" DEPTH LT. & RT.

STA. 12+90.00 TO 13+10.00: MAINTAIN 2:1 SIDE SLOPES. 15'0" BOTTOM WIDTH. 10'6" DEPTH LT.. TRANSITION DEPTH FROM 11'9" TO 10'6" RT.

STA. 18+00.00 TO 18+20.00: MAINTAIN 2:1 SIDE SLOPES. 15'0" BOTTOM WIDTH. TRANSITION DEPTH FROM 10'6" TO 11'9" LT. & RT.

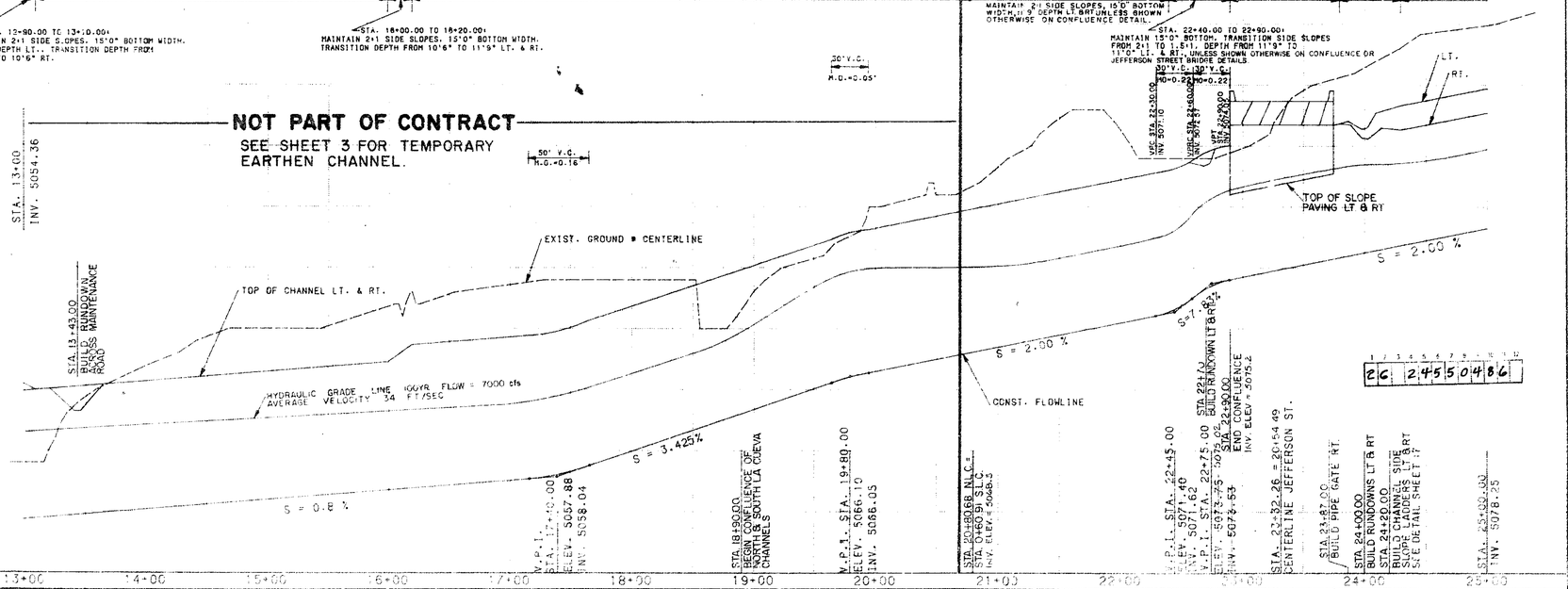
STA. 18+20.00 TO 22+40.00: MAINTAIN 2:1 SIDE SLOPES. 15'0" BOTTOM WIDTH. 11'9" DEPTH LT. & RT. . UNLESS SHOWN OTHERWISE ON CONFLUENCE DETAIL.

STA. 22+90.00 TO 23+80.00: MAINTAIN 1.5:1 SIDE SLOPES. 15'0" BOTTOM. 11'0" DEPTH LT. & RT.. UNLESS SHOWN OTHERWISE ON JEFFERSON ST. BRIDGE DETAILS.

STA 20+70.00 TO STA. 22+40.00: MAINTAIN 2:1 SIDE SLOPES, 15'0" BOTTOM WIDTH, 11'9" DEPTH LT. & RT. UNLESS SHOWN OTHERWISE ON CONFLUENCE DETAIL.

STA. 22+40.00 TO 22+90.00: MAINTAIN 15'0" BOTTOM, TRANSITION SIDE SLOPES FROM 2:1 TO 1.5:1, DEPTH FROM 11'9" TO 11'0" LT. & RT., UNLESS SHOWN OTHERWISE ON CONFLUENCE OR JEFFERSON STREET BRIDGE DETAILS.

STA. 24+30.00 TO 29+60.00: MAINTAIN 2:1 SIDE SLOPES. 15'0" BOTTOM. 11'6" DEPTH LT.. 9'6" DEPTH RT.



NOTES

1. For Typical Channel Details See Sheet 17
2. For Typical Rundown Details See Sheet 19
3. See Sheet 21 For North / South La Cueva Confluence Details.
4. See Sheet 6 For South La Cueva Channel
5. See Sheet 69 for Jefferson Street Bridge Details
6. See Sheet 40 For Energy Dissipator Details.
7. See City Standard Drawing X-8 For Pipe Gate Details.

AS BUILT INFORMATION

DATE
DATE
DATE
MICRO FILM INFORMATION
DATE

BENCH MARKS

BH. 27 - Set 3-1/4" Aluminum Cap on 30" Rod with Concrete Collar, Marked "BH-27, 1984" ELEV. 5092.93

SURVEY INFORMATION

FIELD NOTES BY DATE

NO.

ENGINEER'S SEAL

S/15/85

SECTION A-A

William L. Trick

RECOMMENDED

DATE 11/26/85

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

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DESIGNED BY T.L.H., MHD, H.C.S. DATE 5-85
			DRAWN BY T.L.H., MHD, N.A.W. DATE 5-85
			CHECKED BY DATE

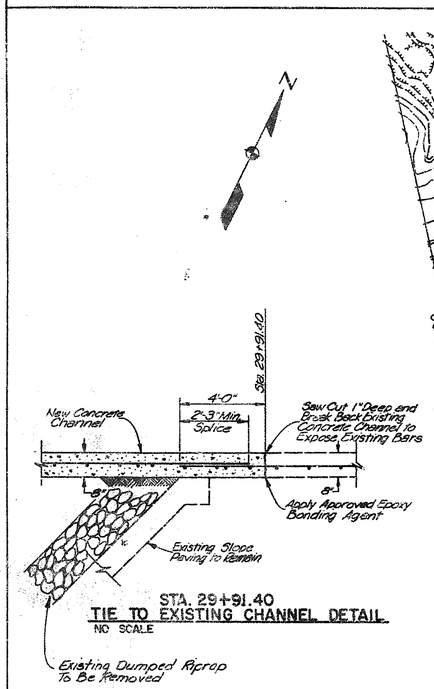
CITY OF ALBUQUERQUE
ALBUQ. METRO. ARROYO FLOOD CONTROL AUTHORITY

TITLE: NORTH LA CUEVA CHANNEL STA. 20+70 TO 25+00
N. & S. LA CUEVA CHANNEL PROJECT

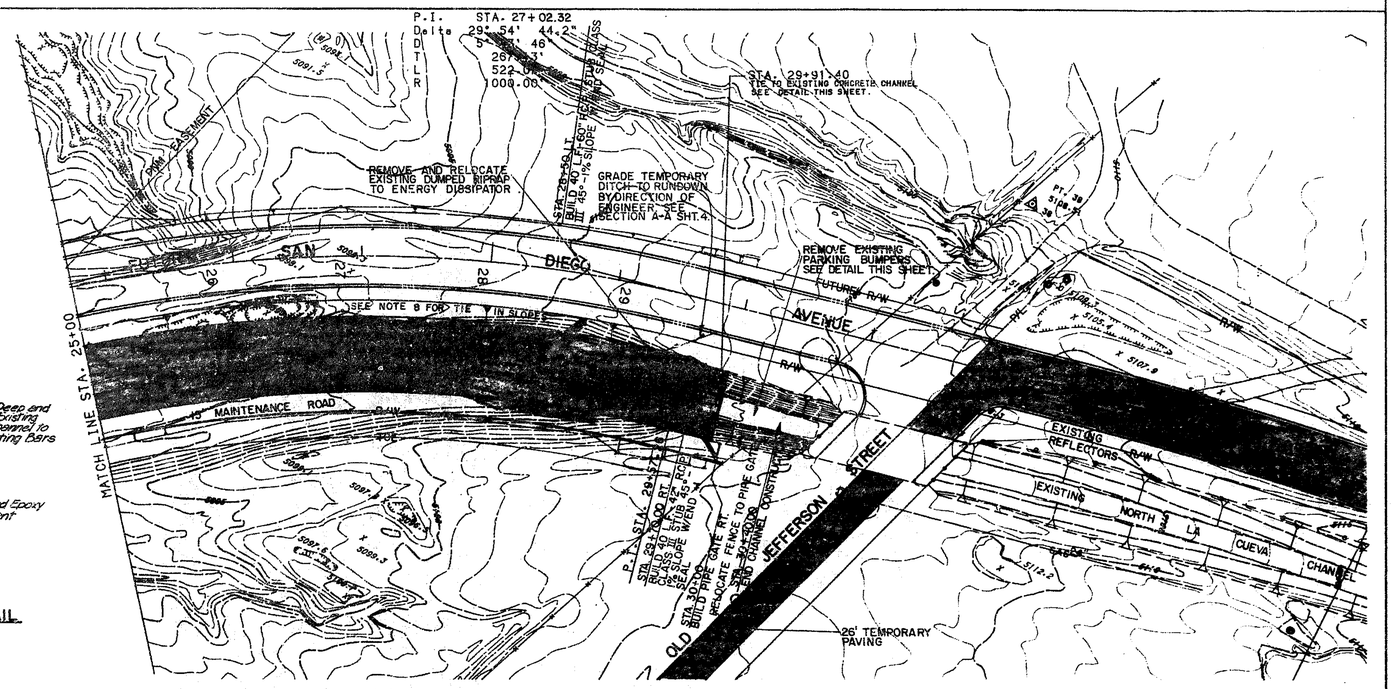
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		5/15/85	Liquid Waste		5/15/85
A.C.E - Design		5/15/85	Traffic		5/15/85
- Hydrology		5/15/85	Water		5/15/85

DRAWING NO 2455 | MAP NO D-17 | SHEET 4 | 71

BRUNING 44-10 62716

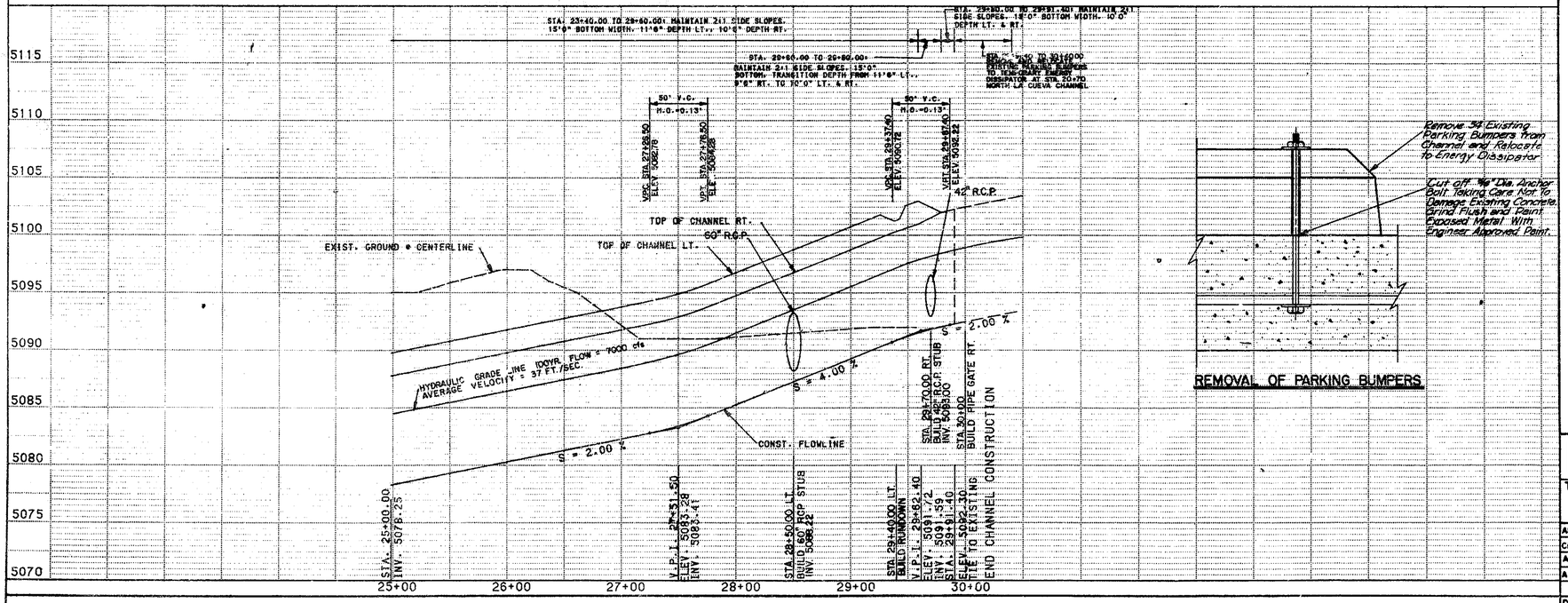


STA. 29+91.40
TIE TO EXISTING CHANNEL DETAIL
NO SCALE



NOTES:

1. This Sheet is for the Construction of North La Cueva Channel Only. For the Construction of San Diego Avenue See Sheets 9 thru 11.
2. For Pipe Penetration Details, See Sheet 20.
3. For Typical Channel Section and Details, See Sheet 17.
4. For RCP Stub End Seal Detail, See Sheet 18.
5. See City Standard Drawing K-20 for Pipe Gate Detail.
6. For Energy Dissipator Details, See Sheet 19.
7. Tie In Slopes Between Top Of Channel And San Diego Right Of Way Vary From San Diego Subgrade Elevation At Right Of Way To Top Of Channel Elevation
8. See Sheet 14A For Old Jefferson Construction.



REMOVAL OF PARKING BUMPERS

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS
BH-27 - Set 3-1/4" Aluminium Cap on 30" Rod with Concrete Collar, Marked "BH-27, 1984" ELEV. 5092.93

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY
INSPECTOR'S DATE
FIELD CHANGES BY
FIELD DATE
AS BUILTED BY
CORRECTED BY
RECORDED BY
NO

MICRO-FILM INFORMATION
DATE

ENGINEER'S SEAL
William L. Fincke
REGISTERED PROFESSIONAL ENGINEER
NEW MEXICO 6033

LOCO DRAWINGS
DATE 11/26/86

NO.	DATE	REVISIONS	BY
		DESIGN	
		REMARKS	

DESIGNED BY T.L.H., M.H.D., H.C.S. DATE 5-85
DRAWN BY T.L.H., M.H.D., N.A.W. DATE 5-85
CHECKED BY M.D.L. DATE 5-85

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

2G 2455050586

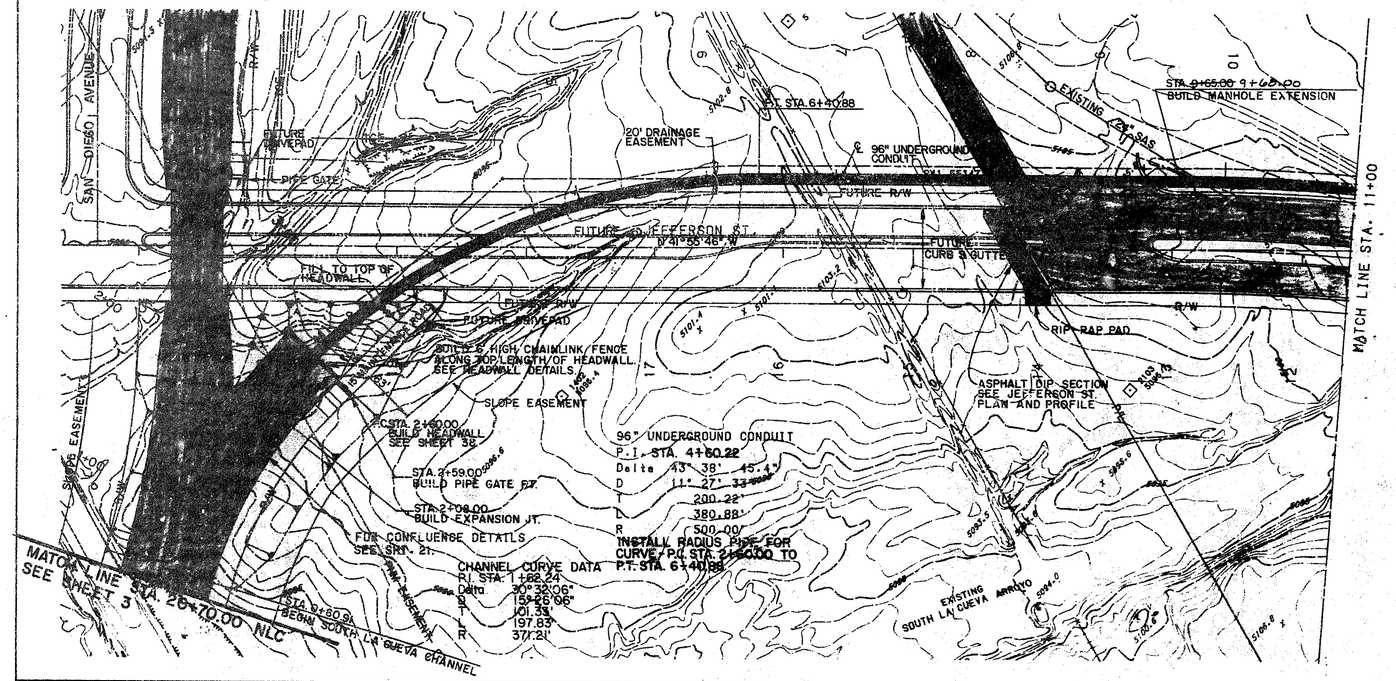
CITY OF ALBUQUERQUE
ALBUQ. METRO. ARROYO FLOOD CONTROL AUTHORITY

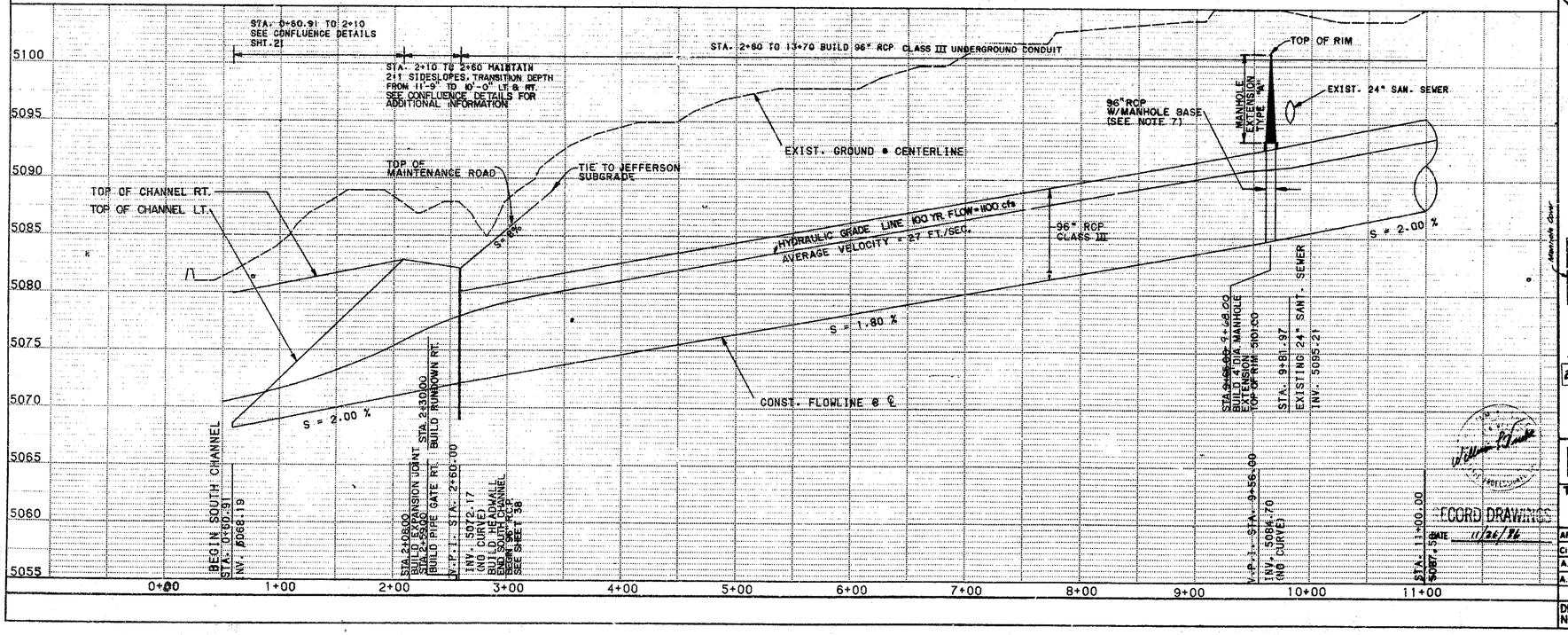
TITLE: N. LA CUEVA CHAN. STA. 25+00 TO STA. 29+91.4
N. & S. LA CUEVA CHANNEL PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		6/86	Liquid Waste	NA 3498	5/15/85
A.C.E.-Design		6/86	Traffic		6/15/85
A.C.E.-Hydrology		7/11/85	Water	NA 3498	5/15/85

DRAWING NO. 2455 | MAP NO. B-17 | SHEET 5 OF 71

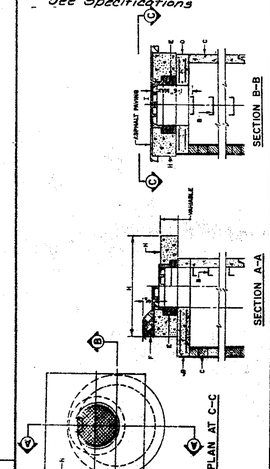
BRUNING 44-132 62250

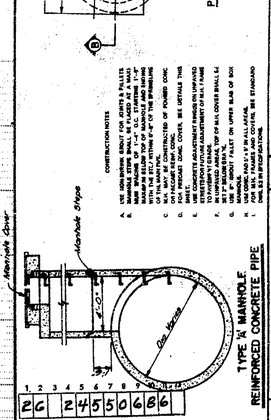




NOTES:

1. This Sheet is for the Construction of South La Cueva Channel Only, For the Construction of Jefferson Street See Sheets 12 thru 14.
2. For Confluence Details, See Sheet 21.
3. For Headwall Details, See Sheet 38.
4. For Underground Conduit Bedding Detail, See Concrete Pipe Culvert Details Sheet 39.
5. For Typical Channel Section and Details, See Sheet 17.
6. See City Standard Drawing K-20 for Pipe Gate Detail.
7. 96" RCP Pipe and 4' Dia. Manhole Base to be Purchased Under Separate Contract - See Specifications





SURVEY INFORMATION			
FIELD NOTES			
NO.	BY	DATE	

AS BUILT INFORMATION	
BENCH MARKS	
BH-27 - Set 3-1/4" Aluminum Cap on 30" Rod with Concrete Collar, Marked "BH-27, 1984" ELEV. 5092.93	
CONTRACTOR	DATE
WORK STARTED BY	
WORK ACCEPTANCE	DATE
AS BUILT INFORMATION BY	DATE
FIELD CHECKED BY	DATE
DRAWINGS CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY T.L.H. M.H.D. H.C.S. DATE 5-85
DRAWN BY T.L.H. M.H.D. N.A.W. DATE 5-85
CHECKED BY M.D.L. DATE 5-85

RECORD DRAWINGS
DATE 11/26/96

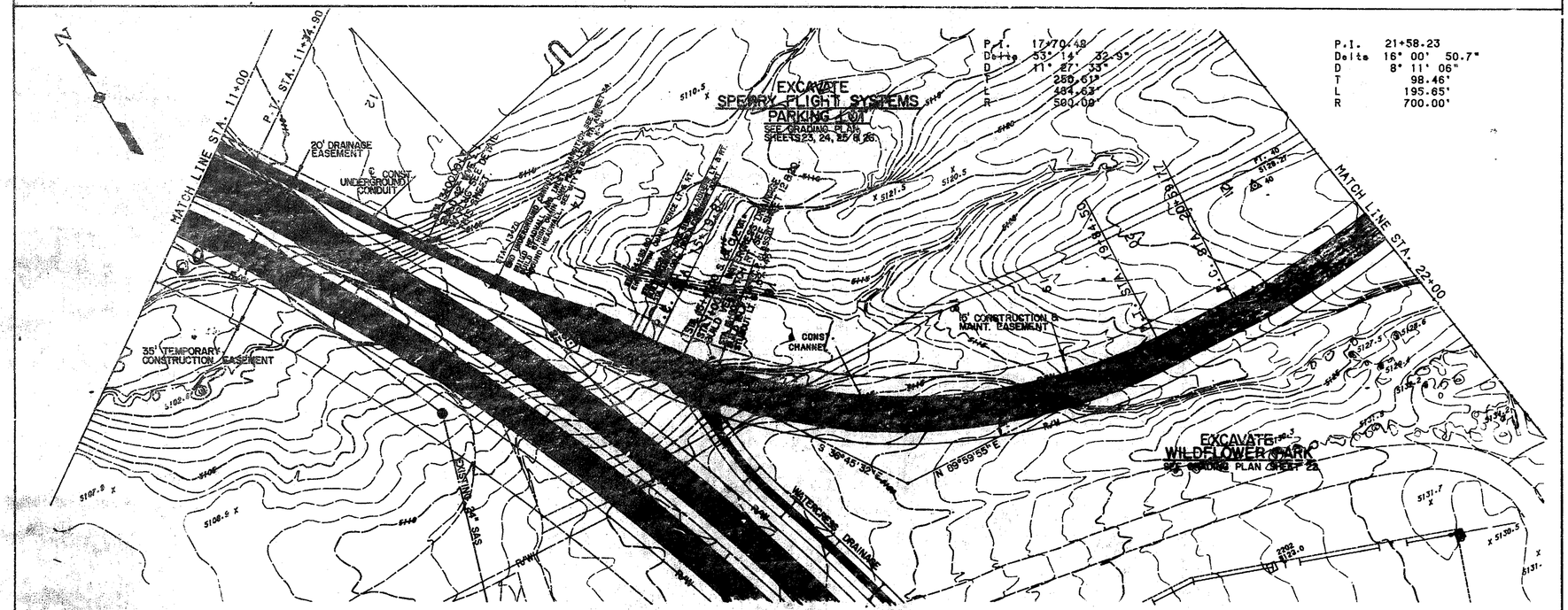
CITY OF ALBUQUERQUE
ALBUQ. METRO. ARROYO FLOOD CONTROL AUTHORITY

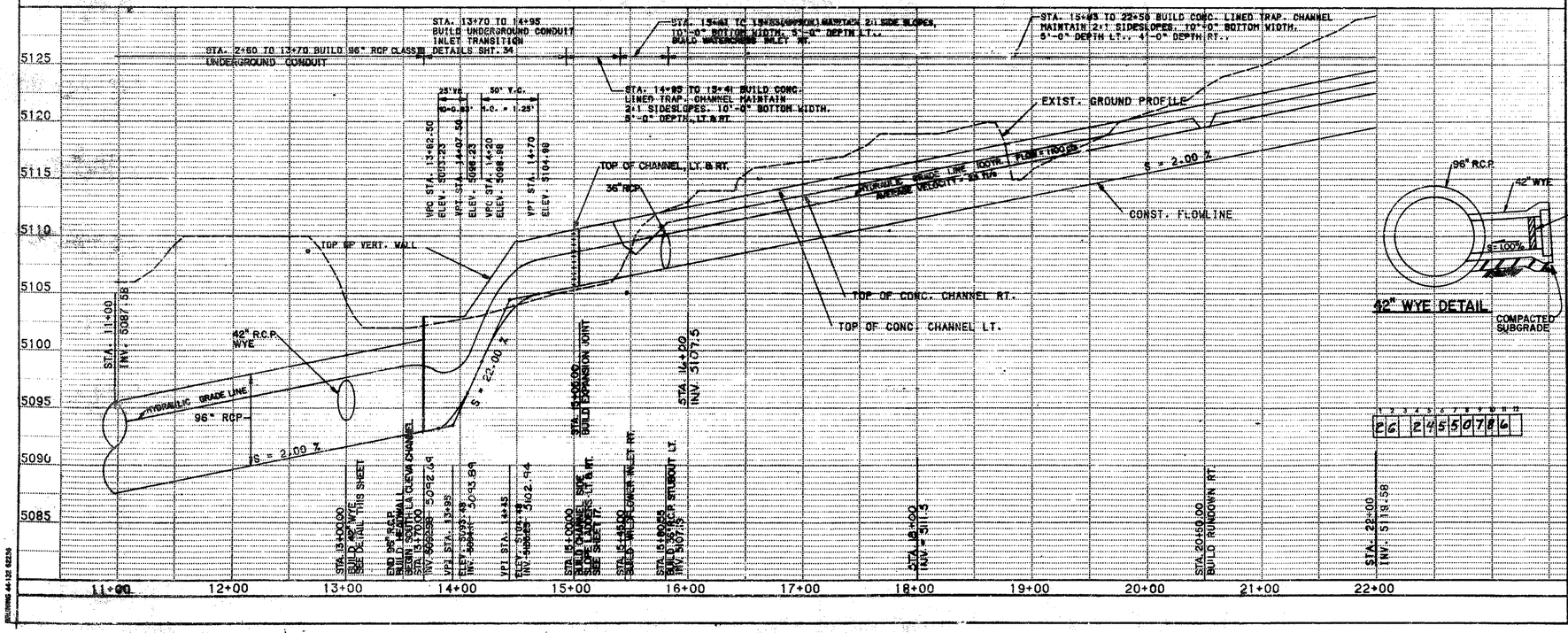
TITLE: S. LA CUEVA CHAN. STA. 0+60.91 TO STA. 11+00
N. & S. LA CUEVA CHANNEL PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		5/15/85
A.C.E.-Design		5/15/85	Traffic		5/15/85
A.C.E.-Hydrology		5/15/85	Water		5/15/85

DRAWING NO. 2455 | MAP NO. B-17 | SHEET 6 OF 71

6RUNNG 44-192 6236





NOTES:

1. For Underground Conduit Inlet Transition, See Sheet 34
2. For Typical Park Channel Section & Details, See Sheet 18.
3. For Watercress Drainage Details, See Sheet 12 & 18
4. For Pipe Penetration Details, See Sheet 20.
5. 96" R.C.P. Pipe and 96" R.C.P. x 42" Wye shall be purchased under seperate contract. See Specifications
6. See Sperry Parking Lot and Wildflower Park Grading Plans for Tie In Slopes to channel.
7. South La Cueva Channel Sta. 18+70 to 32+19.55 shall be tinted concrete. See specifications.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
BH-28 - Sta. 3-1/4" Aluminum Cap in Concrete at the Centerline of Jefferson Street Pavement, Marked "BH-28, 1984" ELEV. 5121.06

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
AS-BUILTED BY — DATE
FIELD LOCATION BY — DATE
DRAWINGS BY — DATE
CHECKED BY — DATE
MICRO-FILM INFORMATION
MICROFILM BY — DATE

ENGINEER'S SEAL
William P. Wernette
REGISTERED
11/21/96
RECORD DRAWING
DATE 11/21/96

NO.	DATE	REMARKS
		REVISIONS
		DESIGN

DESIGNED BY T.L.H., M.H.D.-H.C.S. DATE 5-85
DRAWN BY T.L.H., M.H.D., N.A.M. DATE 5-85
CHK. BY DATE

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

26 24 50 78 6

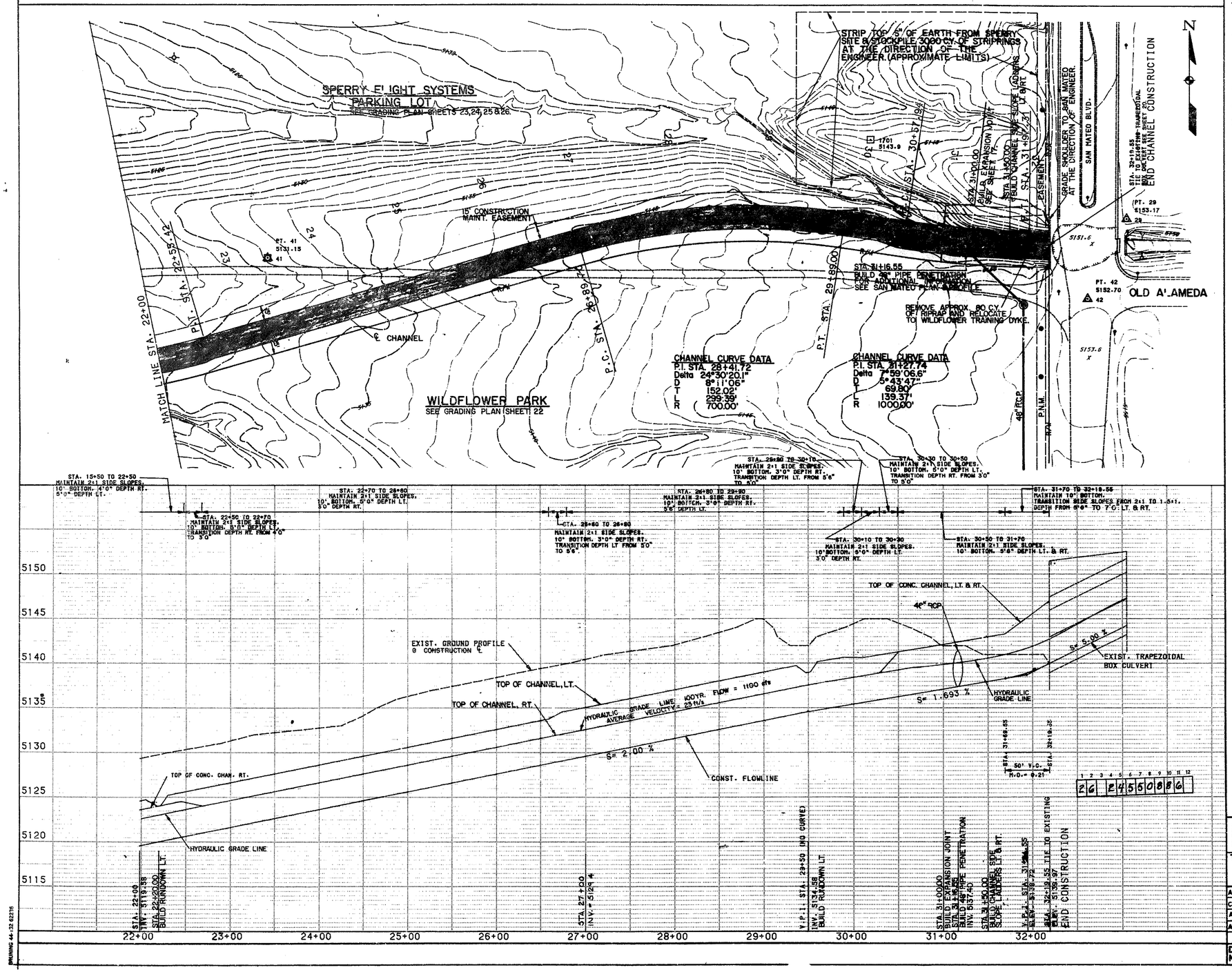
CITY OF ALBUQUERQUE
ALBUQ. METRO. ARROYO FLOOD CONTROL AUTHORITY

TITLE: S. LA CUEVA CHAN, STA. 11+00 TO STA. 22+00
N. & S. LA CUEVA CHANNEL PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	NA Mgr	5/15/97
A.C.E.- Design		5/15/97	Traffic		5/12/97
A.C.E.-Hydrology		5/15/97	Water	NA Mgr	5/15/97

DRAWING NO. 2455
MAP NO. B-17
SHEET 7 OF 71

PRINTING 44-132 62236



NOTES:

1. For Typical Park Channel Sections and Details, See Sheet 18.
2. For Wildflower Training Dike See Sheet 16.
3. For San Mateo Pipe Details See Sheet 15.
4. For Pipe Penetration Details See Sheet 20.
5. For Wildflower Park Grading Plan See Sheet 22.
6. For Sperry Site Grading Plan See Sheets 23, 24, 25 and 26.
7. South La Cueva Channel Sta. 19+70 to 32+19.55 shall be tinted concrete. See specifications.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

BM. NO. 6 - Signetics Control Monument, Marked NO. 6. WPL, 1983' ELEV. 5153.17

AS BUILT INFORMATION

CONTRACTOR

WORK STARTED BY: DATE
WORK FINISHED BY: DATE
ACCEPTANCE BY: DATE
VERIFICATION BY: DATE
DRAWINGS PREPARED BY:

MICRO-FILM INFORMATION

RECORDED BY: DATE
NO

ENGINEER'S SEAL

William P. Vuuk
DATE 11/26/86

NO.	DATE	REMARKS
		REVISIONS
		DESIGNED BY T.L.H., M.H.D., H.C.S. DATE 5-85
		DRAWN BY T.L.H., M.H.D., N.A.W. DATE 5-85
		CHECKED BY M.D.L. DATE 5-85

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

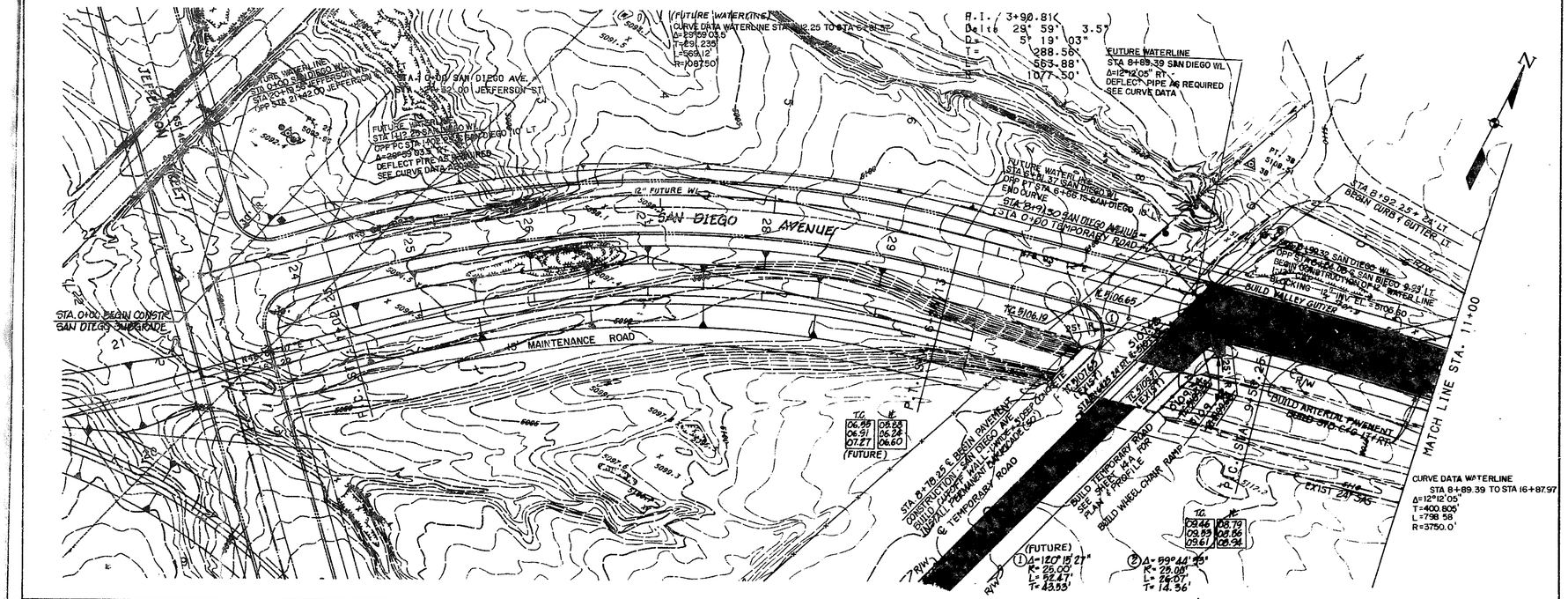
CITY OF ALBUQUERQUE
ALBUQ. METRO. ARROYO FLOOD CONTROL AUTHORITY

TITLE: S. LA CUEVA CHAN. STA. 22+00 TO STA. 32+19.55
N. & S. LA CUEVA CHANNEL PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		5/15/85
A.C.E.- Design			Traffic		5/15/85
A.C.E.-Hydrology		5/15/85	Water		5/15/85

DRAWING NO. 2455 | MAP NO. B-17 | SHEET 8 OF 71

DRAWING 44-32 82315



NOTES:

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
BH-27 - Set 3-1/4" Aluminum Cap on 30" Rod with Concrete Collar, Marked 'BH-27, 1984'
ELEV. 5092.93

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED FOR NOTICE TO PROCEED DATE
ACCEPTANCE BY DATE
VERIFICATION BY DATE
CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER
STATE OF NEW MEXICO
William P. Trunke
DATE 4/22/86

NO.	DATE	REMARKS
		REVISIONS
		DESIGN

DESIGNED BY C.T., M.H.L. DATE 5-85
DRAWN BY T.L.H., M.H.D. DATE 5-85
CHECKED BY M.D.L. DATE 5-85

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

1 2 3 4 5 6 7 8 9 10 11 12
2G 2455098 6

CITY OF ALBUQUERQUE
ALBUQ. METRO. ARROYO FLOOD CONTROL AUTHORITY

TITLE: SAN DIEGO AVE. STA. 0+00 TO STA. 11+00
M. & S. LA CUEVA CHANNEL PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		6/6/86	Liquid Waste		5/15/86
A.C.E.-Design		5/15/86	Traffic		
A.C.E.-Hydrology		5/15/86	Water		5/15/86

DRAWING NO. 2455
MAP NO. B-17
SHEET 9 OF 71

BRUNING 44-132 62236

CURVE DATA
Waterline Sta. 8+89.39 to Sta. 16+87.97
Delta 12°12'05"
T= 400.805'
L= 798.58'
R= 3750.00'
D= 1°31'40"

STA. 13+23.09 SAN DIEGO WL
OPP. STA. 13+07.03 ℄ 6.37' LT.
1-12"x12"x6" TEE
1-12" GATE VALVE W/BOX, TYPE "A"
1-6" GATE VALVE W/BOX, TYPE "A"
14'-6" WATERLINE
1-FIRE HYDRANT
BLOCKING

STA. 13+62.17 SAN DIEGO WL
OPP. STA. 13+46.03 ℄ 5.96' LT.
1-12"x12"x8" TEE
23'-8" WATERLINE
1-8" CAP
BLOCKING

STA. 13+85.± EXIST. SAS MH
STUB 33"-21" SANITARY SEWER LINE-NORTH W/PLUG
MH INV. = 5105.83
S = .0014
CAP

STA. 14+21.29 SAN DIEGO WL
OPP. STA. 14+05.03 ℄ 5.82' LT.
1-12"x12"x6" TEE
1-12" GATE VALVE W/BOX, TYPE "A"
1-6" GATE VALVE W/BOX, TYPE "A"
14'-6" WATERLINE
1-FIRE HYDRANT
BLOCKING

STA. 15+66.55 SAN DIEGO WL
OPP. STA. 15+64.03 ℄ 8.60' LT.
1-1 1/2" SERVICE
1-12" GATE VALVE W/BOX, TYPE "A"
17.4'-1 1/2" SERVICE LINE

STA. 16+87.97 SAN DIEGO WL
OPP. STA. 16+71.20 ℄ 10' LT.
END CURVE

STA. 17+49.03 ℄ 3.5' LT.
1-4" SANITARY SEWER SERVICE
30.5'-4" SERVICE LINE W/PLUG
INV. @ ℄ = 5122.30

STA. 19+00.80 SAN DIEGO WL
OPP. STA. 18+84.03 ℄ 10' LT.
1-1 1/2" SERVICE
16'-1 1/2" SERVICE LINE

STA. 20+45.80 SAN DIEGO WL
OPP. STA. 20+29.03 ℄ 10' LT.
1-12"x12"x6" TEE
1-6" GATE VALVE W/BOX, TYPE "A"
14'-6" WATERLINE
1-FIRE HYDRANT
BLOCKING

STA. 20+39.01 ℄
1-4" SANITARY SEWER SERVICE
34'-4" SERVICE LINE W/PLUG
INV. @ ℄ = 5130.00

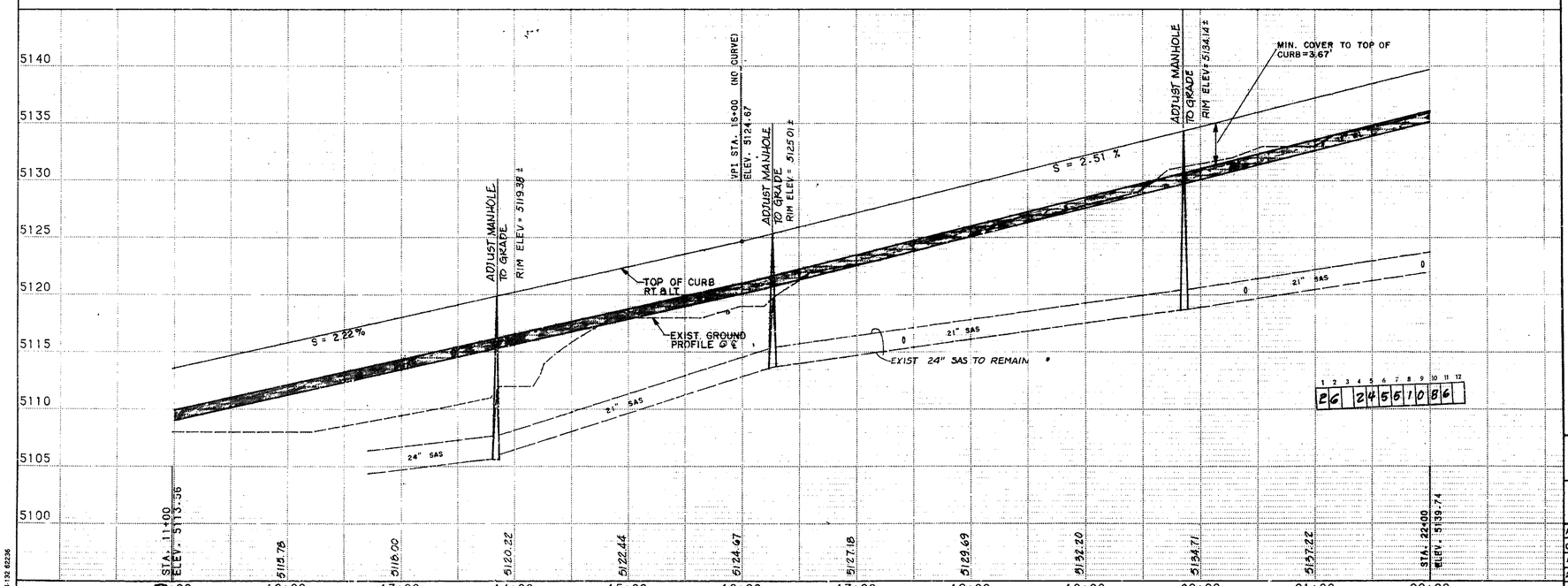
STA. 21+23.30 SAN DIEGO WL
OPP. STA. 21+06.45 ℄ 10' LT.
1-1 1/2" SERVICE
16'-1 1/2" SERVICE LINE

STA. 21+94.03 ℄
1-4" SANITARY SEWER SERVICE
34'-4" SERVICE LINE W/PLUG
INV. @ ℄ = 5134.00

45° MJ. BENDS

P.I. 12+73.89
Delta 12° 12' 05"
D= 1° 54' 36"
T= 320.64'
L= 638.86'
R= 3000.00'

MATCH LINE STA. 11+00
MATCH LINE STA. 22+00
SAN DIEGO AVE.
BUILD ARTERIAL PAVEMENT
BUILD STD C-16 LT + RT
EXISTING NORTH LA CUEVA CHANNEL
EXIST 24" SAS
ADJUST MANHOLE TO GRADE RIM ELEV = 5117.04±
PT STA. 15+92.24
R/W
SBW 44°43'E



NOTES:

1. Area between San Diego and existing North La Cueva Channel to be graded to existing rundowns by direction of engineer.

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS
BM NO. 3 - Sigmetics Control Monument, Marked
NO. 3, North PC, 1980' ELEV. 5152.09

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
WORK INSPECTED BY AT CLEARANCE BY
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
CORRECTIONS ENTERED ON MICRO-FILM
INFORMATION
RECORDED BY
NO.

ENGINEER'S SEAL

REMARKS
REVISIONS
NO. | DATE | BY

DESIGNED BY C.T., MHD, JCT DATE 5-85
DRAWN BY T.L.H., MHD. DATE 5-85
CHECKED BY M.T.I. DATE 5-85

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

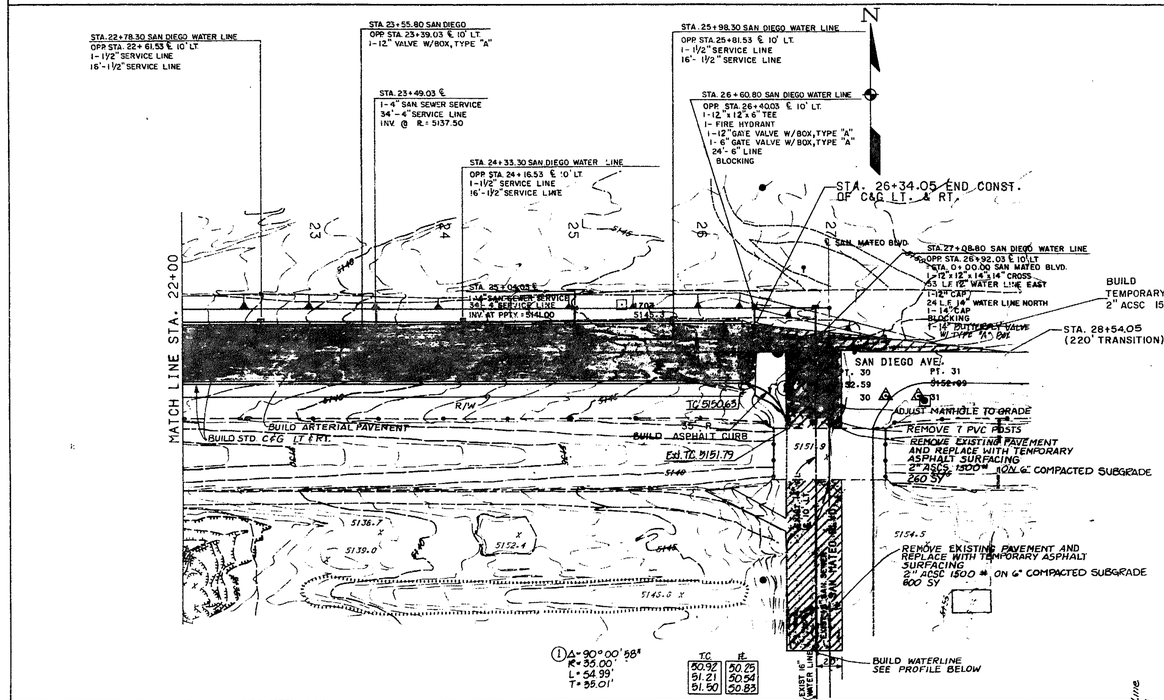
CITY OF ALBUQUERQUE
ALBUQ. METRO. ARROYO FLOOD CONTROL AUTHORITY

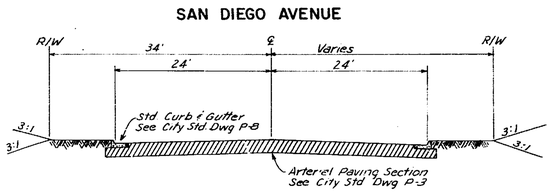
TITLE: SAN DIEGO AVE. STA. 11+00 TO STA. 22+00
N. & S. LA CUEVA CHANNEL PROJECT

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

DRAWING NO. 2455 | MAP NO. B-17 | SHEET 10 OF 71

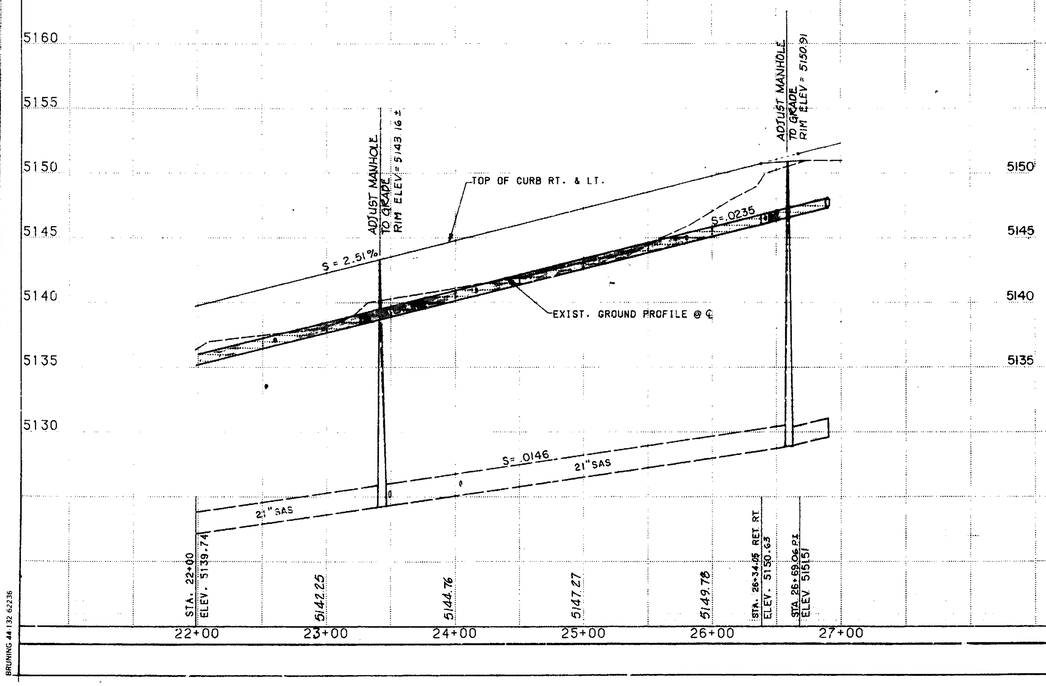
BRUNING 44-132 62236

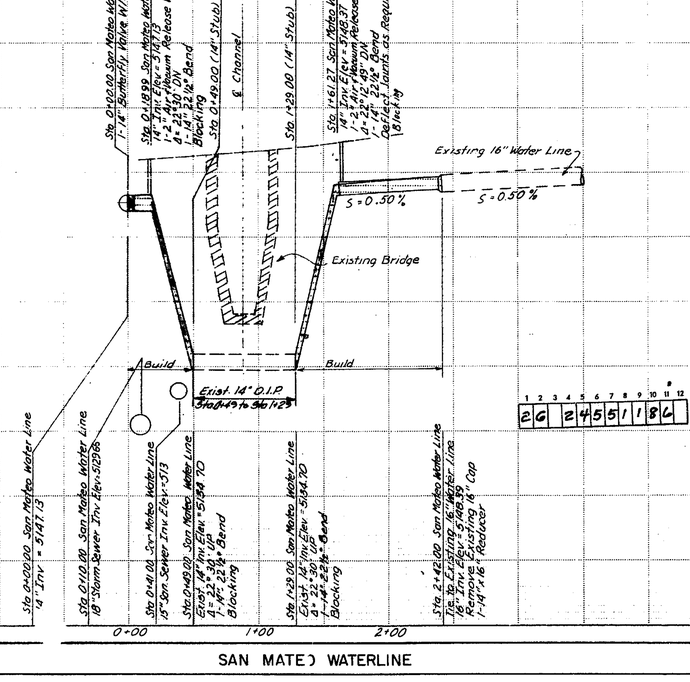




TYPICAL SECTION

Scale: 1"=10'





SAN MATEO WATERLINE

NOTES:

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

11/26/96

CITY OF ALBUQUERQUE
ALBUQ. METRO. ARROYO FLOOD CONTROL AUTHORITY

TITLE: SAN DIEGO AVE. STA. 22+00 TO 26+34.05
N. & S. LA CUEVA CHANNEL PROJECT

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

DRAWING NO. 2455 | MAP NO. B-17 | SHEET 11 OF 71

AS BUILT INFORMATION
CONTRACTOR
WORK INSPECTORS
AS-BUILTED BY
SURVEYED BY
DATE
MICRO FILM INFORMATION
DATE

BENCH MARKS
BM NO. 3 - Signetics Control Monument, Marked 'NO. 3, North PC, 1980' ELEV. 5152.09

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

REVISIONS
NO. DATE REMARKS
DESIGN BY

BRUNING 44-132-62.36

NOTES:

WATER LINE CURVE DATA
STA. 0+00 TO 2+59.07
DELTA= 14°-59'-37"
T= 130.28'
L= 259.07'
R= 990.0'

CONST. CENTERLINE
P.I. 2+41.79
Delta 15° 34' 20.6"
D = 5° 43' 46"
T = 136.74'
L = 271.79'
R = 1000.00'

CURB RETURN & MEDIAN CURB CURVE DATA
① R= 30' Delta= 95°-04'-23" L= 48.78' T= 32.78'
② R= 30' Delta= [illegible]-22" L= 41.85' T= 25.14'
③ R= 50' Delta= [illegible] L= 29.31' T= 15.09'
④ R=150' Delta= 17°-30'-41" L= 45.84' T= 23.10'
⑤ R=150' Delta= 15°-05'-46" L= 39.52' T= 19.88'
⑥ R= 4' Delta=144°-57'-54" L= 10.12' T= 12.67'

WATER LINE CURVE DATA
STA. 2+59.07 TO 11+92.46
DELTA= 26°-43'-48"
T= 472.80
L= 928.39'
R= 1990.0'

CONST. CENTERLINE
P.I. 8+52.02
Delta 26° 43' 48.4"
D = 2° 51' 53"
T = 475.18
L = 933.06
R = 2000.00'

⚠ 4' DIA TYPE "E" M.H.#3
BEGIN CURVILINEAR SEWER
R=1000'
Δ=1°09'20' LENGTH

CURVILINEAR SEWER
R=2000'
Δ=0°34'23"/20 LENGTH ⚠

⚠ STA. 8+78.35 3567 Lt. JEFFERSON ST.
CONNECT INTO EXISTING M.H.

STA. 0+00.00 JEFFERSON WL
OPP STA. 1+15.15 ℄ 10' LT.
TIE TO EXIST. 12" WL
REMOVE EXIST. 10" CAP
10" INV. ELEV.= 5117.00
DELTA= 14°-59'-37" LT.
DEFLECT PIPE AS REQ'D.
SEE CURVE DATA ABOVE
1-10"x14" REDUCER

1-14"x14"x8" TEE

STA. 3+59.07 JEFFERSON WL
OPP. PCC STA. 3+76.84 ℄ 10' LT.
DELTA= 26°-43'-48" LT.
DEFLECT JOINT AS REQ'D
SEE CURVE DATA ABOVE

STA. 5+70.86 JEFFERSON WL
OPP. STA. 6+90.00 ℄ 10' LT.
1 - 14" BUTTERFLY VALVE W/ BOX, TYPE "A"
1 - 6" GATE VALVE W/ BOX, TYPE "A"
1 - 14"X14"X6" TEE
25' - 6" WATERLINE
1 - FIRE HYDRANT
BLOCKING

⚠ STA 5+69.51 M.H.#4
4' DIA. TYPE "E"

BUILD PATTERNED CONC. MEDIAN PAVEMENT

BUILD PATTERNED CONC. MEDIAN PVMT

BUILD MEDIAN CURB & GUTTER

ADJUST MANHOLE TO GRADE

BUILD WIDENED VALLEY GUTTER SEE DETAIL SHT 13

MATCH LINE STA. 12+00

WATERCRESS DRAIN STA. 6+05.71-22 RT.
STA. 2+56.00 JEFFERSON ST

WATERCRESS DRAIN STA. 4+50.38-22 RT.
PCC STA. 3+76.84
JEFFERSON ST. ⑦

WATERCRESS DRAIN STA. 3+33.35-62 RT.

WATERCRESS DRAIN STA. 2+16.84 JEFFERSON ST

WATERCRESS DRAIN CURVE DATA
P.I. STA. 2+13.60
delta 13°57'13"
D 22°27'20"
T 31.22'
L 62.13'
R 255.13'

WATERCRESS DRAIN
PCC STA. 2+44.51-62 RT.
= STA. 6+00.00
JEFFERSON ST.
WATERCRESS DRAIN
P.C. STA. 1+82.38

REMOVE BARRICADE

BUILD VALLEY GUTTER & WHEELCHAIR RAMPS SEE DWG. P-9 ⑥

BUILD TYPE C INLET LT & RT

BUILD TYPE A INLET LT & RT

① 1+58.98 TC 21.20 FL 20.69

② 2+02.68 TC 20.79 FL 20.12

⚠ 1+74.71 INSTALL 25 L.F. 4" SEWER SERVICE INV. AT PLUG 5115.46

⚠ STA 1+57.20 INSTALL 25 L.F. 4" SEWER SER. INV. AT PLUG 5114.96

⚠ BUILD 126.68 L.F. OF 8" PVC AT 2.23% INSTALL PLUG AT STA. 2+28.68 INV. AT PLUG 5111.39
REF. MRD 2495

BUILD RESIDENTIAL PAVING SEE CITY STD. DWG. P-37

24" RCP

STA. 1+45.51 JEFFERSON ST.

STA. 1+00.00 WATERCRESS ST.

STA. 2+18.58 END CONST. BUILD CUT-OFF WALL

35'-8" WATERLINE
1-8" GATE VALVE & BOX TYPE A (RETHER)
1-8" CAP
BLOCKING

TC 20.26 19.93 19.59
FL 19.59 19.26 18.92

STA. 9+17 END 6' SIDEWALK RT.

STA. 8+78.35 M.H.#5
4' DIA. TYPE "E"

See Wildhorse Pipe Grading Plan For Tie In Slopes

See Sperry Parking Lot Grading Plan For Tie-In Slopes

S36°-45'-32"E

RIGHT TURN LANE CURB CURVE DATA:
⑦ R= 150.00' Delta= 15°-07'-08" L= 39.58' T= 19.91'
⑧ R= 150.00' Delta= 17°-29'-07" L= 45.78' T= 23.07'

P.C. STA. 1+05.05 BEGIN CONSTRUCTION

P.C. STA. 3+76.84

P.C. STA. 6+90.00

P.I. STA. 8+52.02

P.C. STA. 11+92.46

S LA CUEVA DR. N.E. VEE DITCH STA. 14+00

CONSTRUCT 2-SINGLE 'C' STORM INLETS, STA. 6+67

CONSTRUCT 2-TYPE 'A' STORM INLETS, STA. 6+94

CONSTRUCT DUAL 24" RCP

CONSTRUCT 30" R.C.P.

PROFILE FOR STORM DRAINAGE AND VEE DITCH
WATERCRESS STREET DRAIN
100 YR. DESIGN FLOW= 40cfs, VELOCITY= 10 fps

STA. 6+45.53
BUILD 4' DIA. MANHOLE TYPE 'C'
RIM ELEV.=5120.6 5119.14

CONSTRUCT VEE DITCH, 7" SLAB SEE DETAIL SHEET 18

CONSTRUCT RUNDOWN SEE DETAIL SHEET 20

HYDRAULIC GRADE LINE

TOP OF CURB

TOP OF DITCH

24" R.C.P. OUTLET INV. 5117.6

24" R.C.P. INLET INV. 5115.9
24" R.C.P. OUTLET INV. 5116.57
24" R.C.P. INV. 5116.61 5116.14
30" R.C.P. INV. 5115.8 5116.10

STA. 6+05.71
BUILD 4' DIA. MANHOLE TYPE 'C'
RIM ELEV. 5117.6
INV. (IN) 5113.76
INV. (IN) 5113.37(E)
INV. (OUT) 5113.21(S)
5115.03
5113.13

STA. 4+30.51
BUILD 4' DIA. MANHOLE TYPE 'C'
RIM ELEV. 5117.19
INV. (IN) 5114.69
INV. (OUT) 5114.54
5112.17

STA. 4+33.35
BUILD 4' DIA. MANHOLE TYPE 'C'
RIM ELEV. 5117.0
INV. (IN) 5114.4
INV. (OUT) 5111.61

STA. 4+22.00
BUILD 30" R.C.P. END SECTION
INV. OF PIPE & DITCH 5112.85
5112.09

DITCH INVERT

S LA CUEVA CHANNEL STA. 15+45

STORM DRAINAGE STATIONING

VPC STA. 1+25
ELEV. 5121.15
S = 0.527 %
VPT STA. 2+00
ELEV. 5120.75
VPT STA. 2+75
5119.33

4' DIA TYPE "E"

RIM ELEV. 5119.68

RIM ELEV. 5114.77

FINISHED GRADE IN MEDIAN

EXISTING GROUND PROFILE @ ℄

MIN. COVER TO TOP OF CURB = 3.67'

S = 1.843 %

RIM ELEV. 5108.93

RIM ELEV. 5106.96

ADJUST MANHOLE TO GRADE RIM ELEV.= 5102.77±

STA. 2+45.51 M.H.#3
INV. (IN) 5108.57
INV. (OUT) 5108.42

312.00 L.F. OF 8" PVC AT 2.23%

14" WATER LINE

STA. 5+69.51 M.H.#4

312.84 L.F. OF 8" PVC AT 2.23%
INV. (IN) 5101.46
INV. (OUT) 5101.36

EXIST 24" SAS TO REMAIN

5.67 L.F. OF 8" PVC AT 1.94%

INV. (IN) 8" S.A.S. 5193.38(E)
INV. (IN) 24" S.A.S. 5192.05(N)
INV. (OUT) 24" S.A.S. 5191.87(S)

INV. (IN) 5194.38
INV. (OUT) 5194.23

STA. 8+78.35 M.H.#5

STA. 9+26.02 EXISTING M.H. #34

EXISTING 4" SAS INV. = 5098.32

STA. 12+00
ELEV. 5102.32 LT
5101.65 (INV @ 33° RT)
5102.56 (TC @ 45° RT)

5104.17 LT
5103.50 (INV @ 33° RT.)
5104.41 (TC @ 45° RT)

BEGIN CONSTRUCTION STA. 1+05.05
MATCH TO EXISTING ROADWAY TO 5121.25

1+32.59 RET. RT.
ELEV. 5120.58
20.62
2+25.38
ELEV. 5120.18

STA. 2+45.51 ℄ WATERCRESS ST.

2+56.65
ELEV. 5119.70
2+81.22 RET. RT.
ELEV. 5119.35
5118.91

5117.07 5117.23 5113.38 5111.54 5109.70 5101.85 5106.01

1+00 2+00 3+00 4+00 5+00 6+00 7+00 8+00 9+00 10+00 11+00 12+00

5125 5120 5115 5110 5105 5100 5095

BRUNING 44-132 62136

AS BUILT INFORMATION
INITIAL FILM
MICRO FILM
DATE
BY
DATE
BY
DATE
BY
DATE
BY
RECORDED BY
DATE
NO.

BENCH MARKS
BH-28 - Set 3-1/4" Aluminum Cap in Concrete at the Centerline of Jefferson Street Pavement, Marked "BH-28, 1984" ELEV. 5121.06

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

William P. Trimble

11/26/86

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

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

REVISIONS
NO. DATE
1 9-10-85 ADDED 8" PVC, SAS
DESIGN
DESIGNED BY M.H.D., B.G., C.T. DATE 5-85
DRAWN BY M.H.D., N.A.W. DATE 5-85
CHECKED BY M.D.L. DATE 5-85
W.L.V. BY

CITY OF ALBUQUERQUE
ALBUQ. METRO. ARROYO FLOOD CONTROL AUTHORITY

TITLE: JEFFERSON STREET STA. 1+05.05 TO STA. 12+00
N. & S. LA CUEVA CHANNEL PROJECT

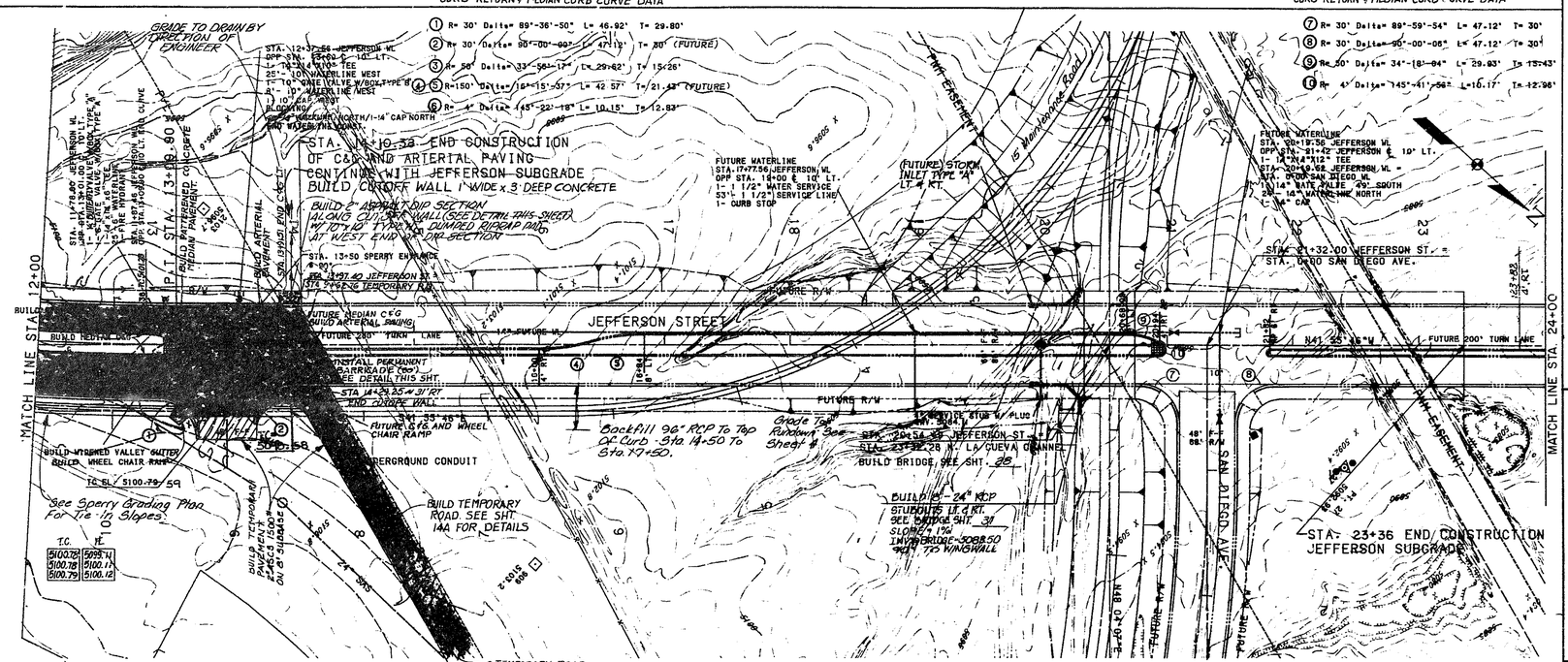
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[illegible]	5/15/87	Liquid Waste	William P. Trimble	5/15/87
A.C.E.-Design	[illegible]	5/15/87	Traffic	[illegible]	5/15/87
A.C.E.-Hydrology	[illegible]	5/15/87	Water	William P. Trimble	5/15/87

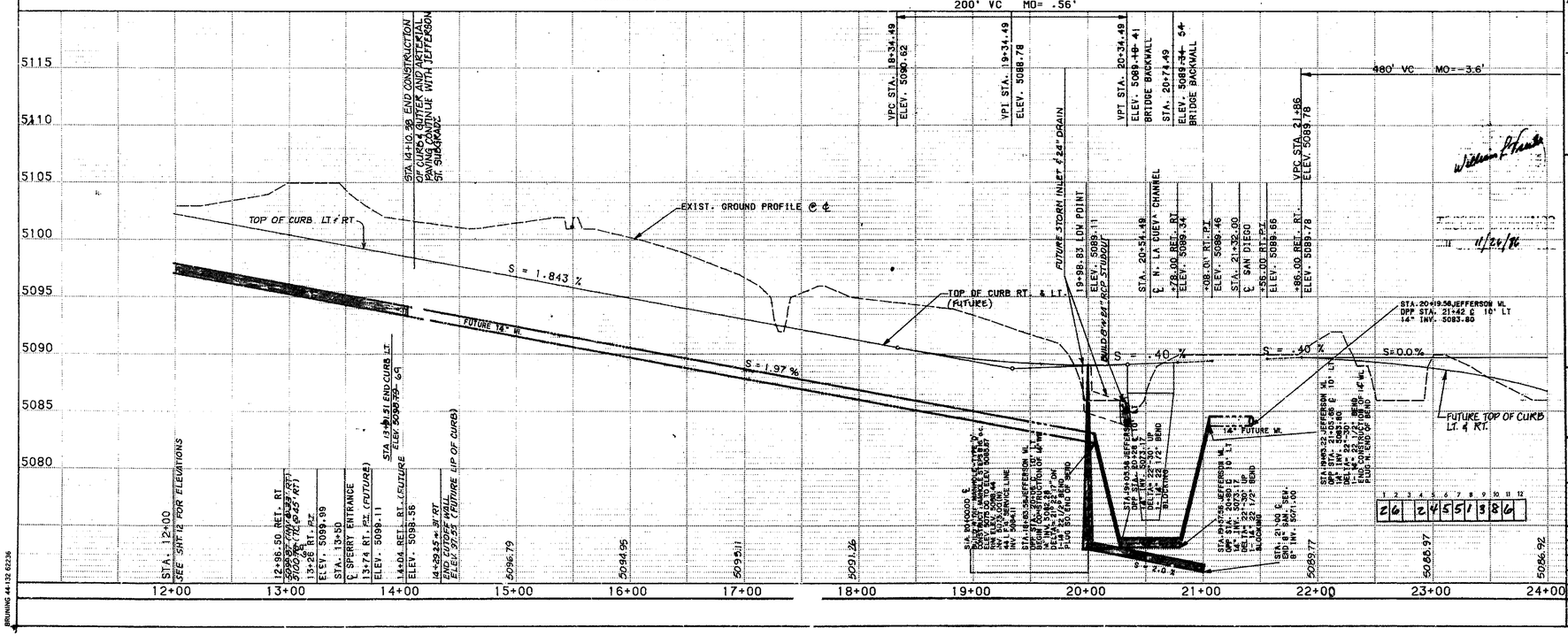
DRAWING NO. 2455
MAP NO. C-17
SHEET 12 OF 71

CURB RETURN & MEDIAN CURB CURVE DATA

(FUTURE) CURB RETURN & MEDIAN CURB CURVE DATA

① R= 30' Delta= 89°-36'-50" L= 46.92' T= 29.80'
② R= 30' Delta= 90°-00'-00" L= 47.12' T= 30' (FUTURE)
③ R= 50' Delta= 33°-56'-17" L= 29.62' T= 15.26'
④ ⑤ R=150' Delta= 16°-15'-07" L= 42.57' T= 21.43' (FUTURE)
⑥ R= 4' Delta= 145°-22'-18" L= 10.15' T= 12.83'
⑦ R= 30' Delta= 89°-59'-54" L= 47.12' T= 30'
⑧ R= 30' Delta= 90°-00'-06" L= 47.12' T= 30'
⑨ R= 50' Delta= 34°-18'-04" L= 29.93' T= 15.43'
⑩ R= 4' Delta= 145°-41'-56" L=10.17' T= 12.96'





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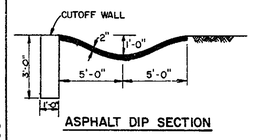
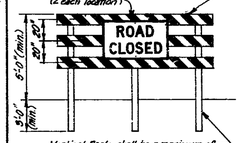


ASPHALT DIP SECTION

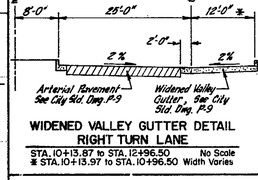
2"x10" or 4"x12" horizontal Rails with alternate red & white 6" Stripes @ 45°. Red & white stripes shall be reflectorized with enclosed lens sheeting (both sides)

2-U-2, 4#'s x 20" (2 each location)

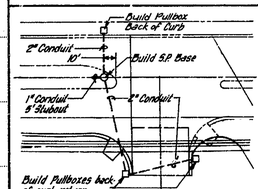


Vertical Posts shall be a maximum of 12'-0" O.C. They shall be 4"x 4" (nominal) or larger. Buried portion of posts shall be treated with creosote oil or approved equal to lessen deterioration.

PERMANENT BARRICADE DETAIL
No Scale



WIDENED VALLEY GUTTER DETAIL RIGHT TURN LANE
STA. 10+15.87 to STA. 12+96.50 No Scale
* STA. 10+15.97 to STA. 10+96.50 Width Varies



CONDUIT LAYOUT
JEFFERSON ST./SPERRY ENTRANCE
No Scale

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

AS BUILT INFORMATION
(CONTRACTOR)
STAKED BY
INSPECTED BY
ASSISTED BY
FIELD
DRAWING BY
CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO

BENCH MARKS
BH-27 - Set 3-1/4" Aluminium Cap on 30" Rod with Concrete Collar, Marked "BH-27, 1984" ELEV. 5092.93

SURVEY INFORMATION
FIELD NOTES:
NO. BY DATE

ENGINEER'S SEAL

REVISIONS
NO. DATE REMARKS BY
DESIGNED BY O.T., M.H.D., J.C.T DATE 5-85
DRAWN BY T.L.H., M.H.D. DATE 5-85
CHECKED BY M.D.L. DATE 5-85

CITY OF ALBUQUERQUE
ALBUQ. METRO. ARROYO FLOOD CONTROL AUTHORITY

TITLE: JEFFERSON ST. STA. 12+00 TO STA. 23+36
N. & S. LA CUEVA CHANNEL PROJECT

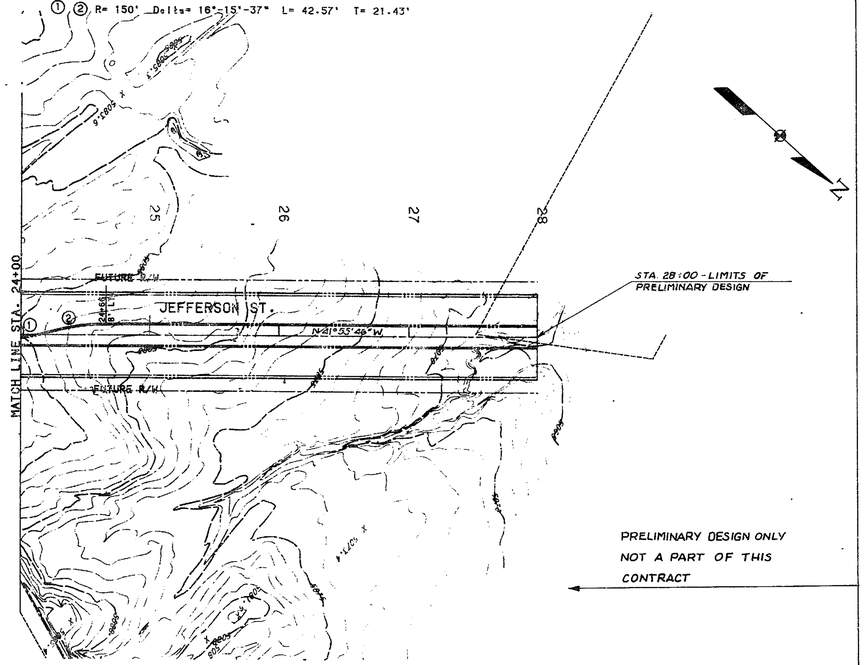
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		4/4/85	Liquid Waste		5/15/85
A.C.E.-Design		4/4/85	Traffic		5/15/85
A.C.E.-Hydrology		5/15/85	Water		5/15/85

DRAWING NO. 2455 MAP NO. B-17 SHEET 13 OF 71

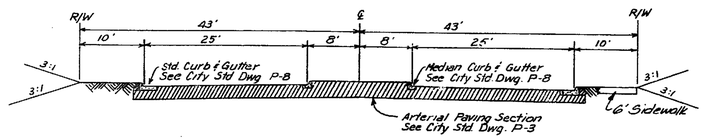
BRUNING 44-132 62236

MEDIAN CURB CURVE DATA (FUTURE)

① ② R= 150' Delta= 16°-15'-37" L= 42.57' T= 21.43'

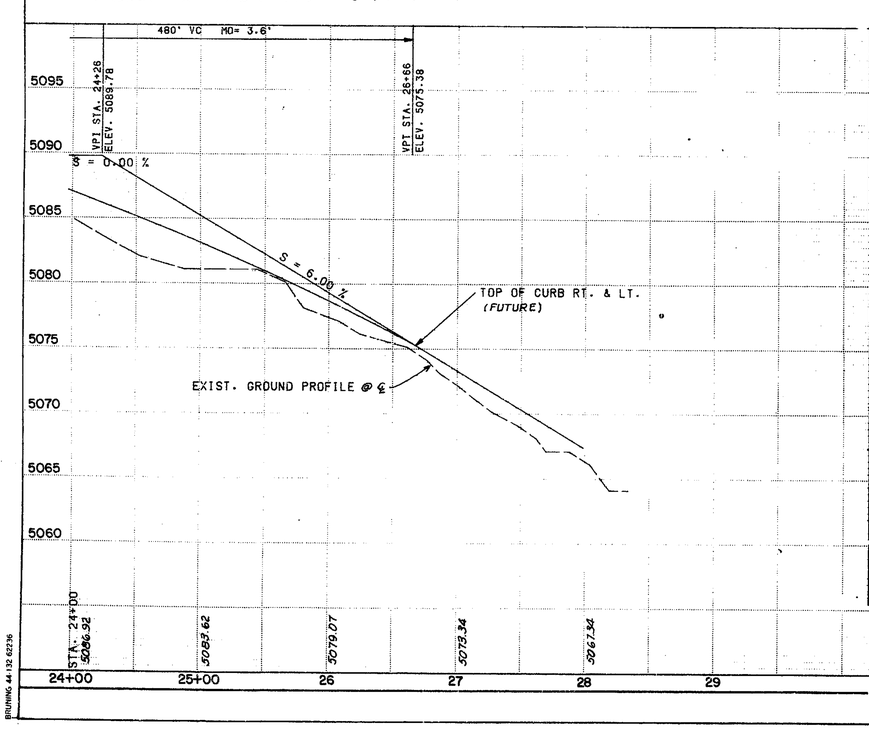


JEFFERSON STREET



TYPICAL SECTION

Scale: 1"=10'



ESTIMATED PAVING QUANTITIES

ITEM	UNIT	SAN DIEGO AVE. STA 24+78.25 ℄ TO STA 26+34.05 ℄	JEFFERSON ST. STA 1+05.05 LT TO STA 3+10.35 LT	JEFFERSON ST. STA 1+05.05 RT. TO STA 3+76.84 RT.	JEFFERSON ST. STA 3+10.35 LT & STA 3+76.84 RT. TO STA 6+82.35 ℄	JEFFERSON ST. STA 6+82.35 ℄ TO STA 14+10.38 ℄	TEMPORARY RD. STA 0+32.42 ℄ TO STA 9+27.05 ℄	TOTALS
STANDARD CURB AND GUTTER	LF	3495	200	255	615	1040	0	5605
MEDIAN CURB AND GUTTER	LF	0	110	315	615	1275	0	2315
EXTRUDED ASPHALT CURB	LF	55		0	0	0	0	55
ARTERIAL SURFACING								
COMPACTED SUBGRADE - 6"	SY	8585	605	780	1870	3780	0	15620
PROCESS AND COMPACT SUBBASE - 8"	SY	8585	605	780	1870	3780	0	15620
ASPHALT TREATED BASE COURSE - 4"	SY	8585	605	780	1870	3780	0	15620
ASPHALT CONCRETE BASE COURSE - 2 1/2" 1500#	SY	8585	605	780	1870	3780	0	15620
TACK COAT	SY	8585	605	780	1870	3780	0	15620
ASPHALT CONCRETE SURFACE COURSE	SY	8585	605	780	1870	3780	0	15620
RESIDENTIAL SURFACING								
PROCESS AND COMPACT SUBBASE - 6"	SY	0	0	250	0	0	0	250
ASPHALT TREATED BASE COURSE - 1 1/2" 1500#	SY	0	0	250	0	0	0	250
TACK COAT	SY	0	0	250	0	0	0	250
ASPHALT CONCRETE SURFACE COURSE - 1 1/2" 1500#	SY	0	0	250	0	0	0	250
TEMPORARY SURFACING								
ASPHALT CONCRETE SURFACE COURSE - 2" 1500#	SY	1330	0	0	0	0	2750	3980
COMPACTED SUBGRADE - 6"	SY	1330	0	0	0	0	2750	3980
PORTLAND CEMENT PATTERNED COLOR CONCRETE MEDIAN PAVEMENT	SF	0	15	375	0	90	0	480
PORTLAND CEMENT CONCRETE VALLEY GUTTER INCLUDING CURB	SF	350	0	870	0	3425	0	4645
PORTLAND CEMENT CONCRETE SIDEWALK - 4"	SF	145	0	1698	1872	1513	0	5128
PORTLAND CEMENT CONCRETE CUT-OFF WALL	LF	72	0	28	0	72	0	172
PERMANENT BARRICADE	LF	50	0	0	0	50	0	100
ADJUST MANHOLE TO GRADE	EA	7	0	2	3	2	3	12

NOTES:

AS BUILT INFORMATION

NO.	BY	DATE

SURVEY INFORMATION

FIELD NOTES

BENCH MARKS

BH-27 - Set 3-1/4" Aluminum Cap on 30" Rod with Concrete Collar, Marked BH-27, 1984' ELEV. 5092.93'

ENGINEER'S SEAL

William P. Trauba

11/26/86

NO.	DATE	REVISIONS	BY
		DESIGN	
		REMARKS	

DESIGNED BY C.T., MH.D., JCT
DRAWN BY T.H., W.H., J.C.T.
TRACED BY
CHECKED BY

DATE 5-85

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

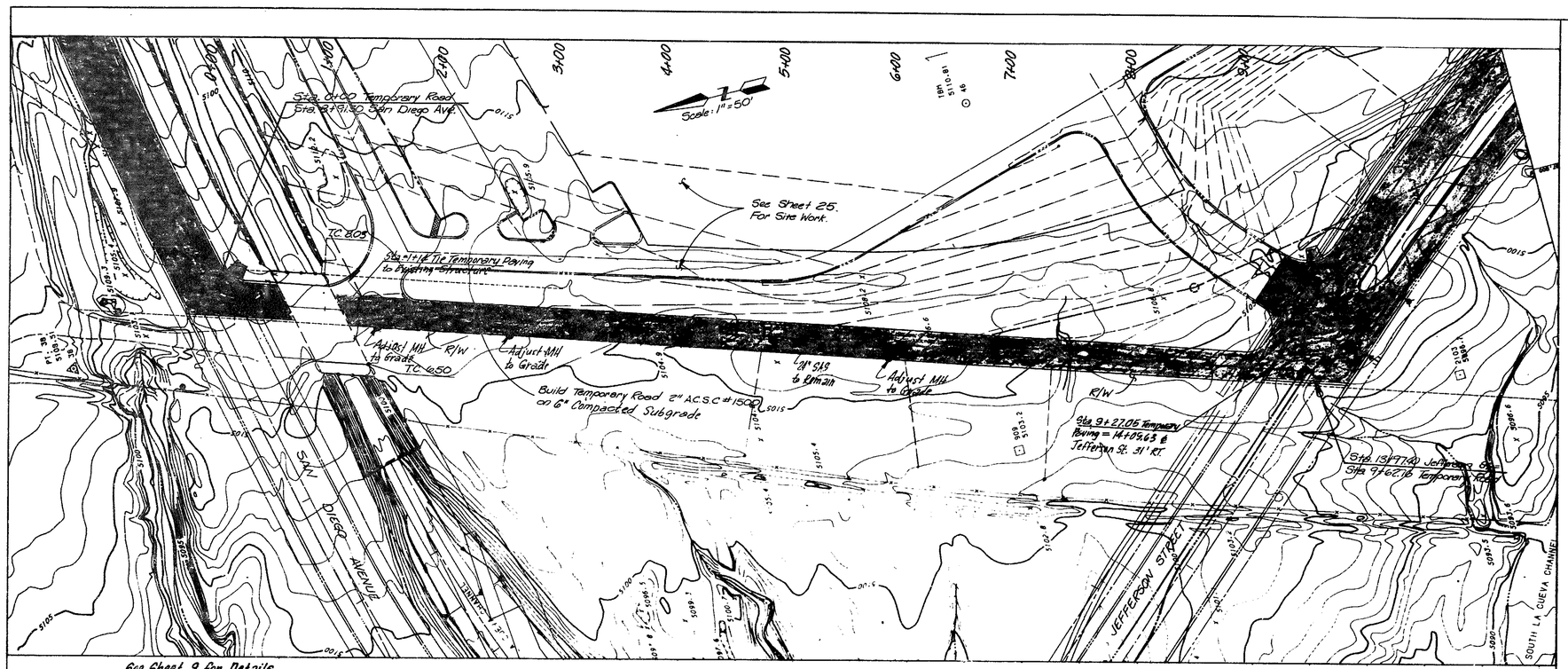
CITY OF ALBUQUERQUE
ALBUQ. METRO. ARROYO FLOOD CONTROL AUTHORITY

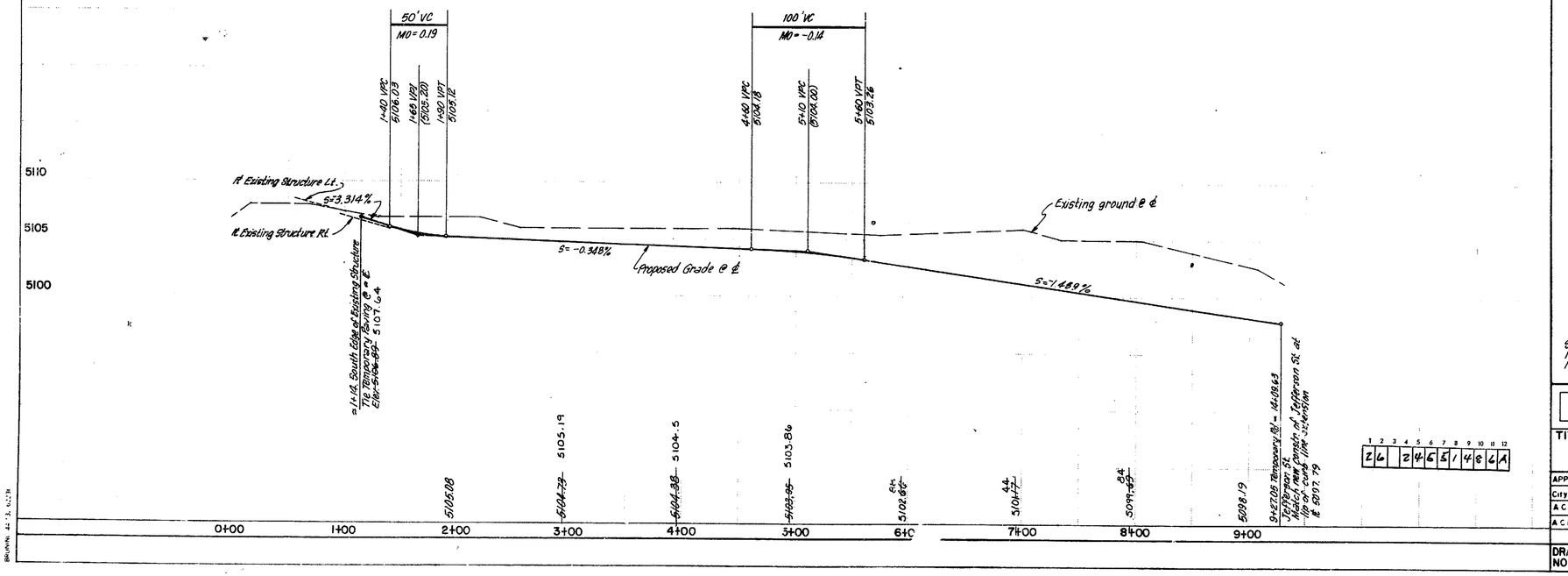
TITLE: JEFFERSON ST. STA. 24+00 TO 28+00
N. & S. LA CUEVA CHANNEL PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		6/6/86	Liquid Waste	VA MRGB	5/15/86
A.C.E.-Design		6/6/86	Traffic		5/15/86
A.C.E.-Hydrology		7/1/86	Water	NA MRGB	5/15/86

DRAWING NO. 2455 | MAP NO. B-17 | SHEET 14 OF 71

BRUNING 44-132-6236





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

2 6 2 4 6 5 1 4 8 6 A

BROWN 44-3-6278

AS BUILT INFORMATION

BENCH MARKS

BH-27 - Set 3-1/4" Aluminium Cap on 30"
Rod with Concrete Collar, Marked 'BH-27, 1984'
ELEV. 5092.93

SURVEY INFORMATION

FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

REVISIONS

NO DATE REMARKS BY

DESIGN C.T. MHD 5-85
DRAWN T.L.H. MHD 5-85
CHECKED C.T. MHD 5-85
QUANTITIES T.L.H. MHD 5-85

MICRO FILM INFORMATION

11/24/94

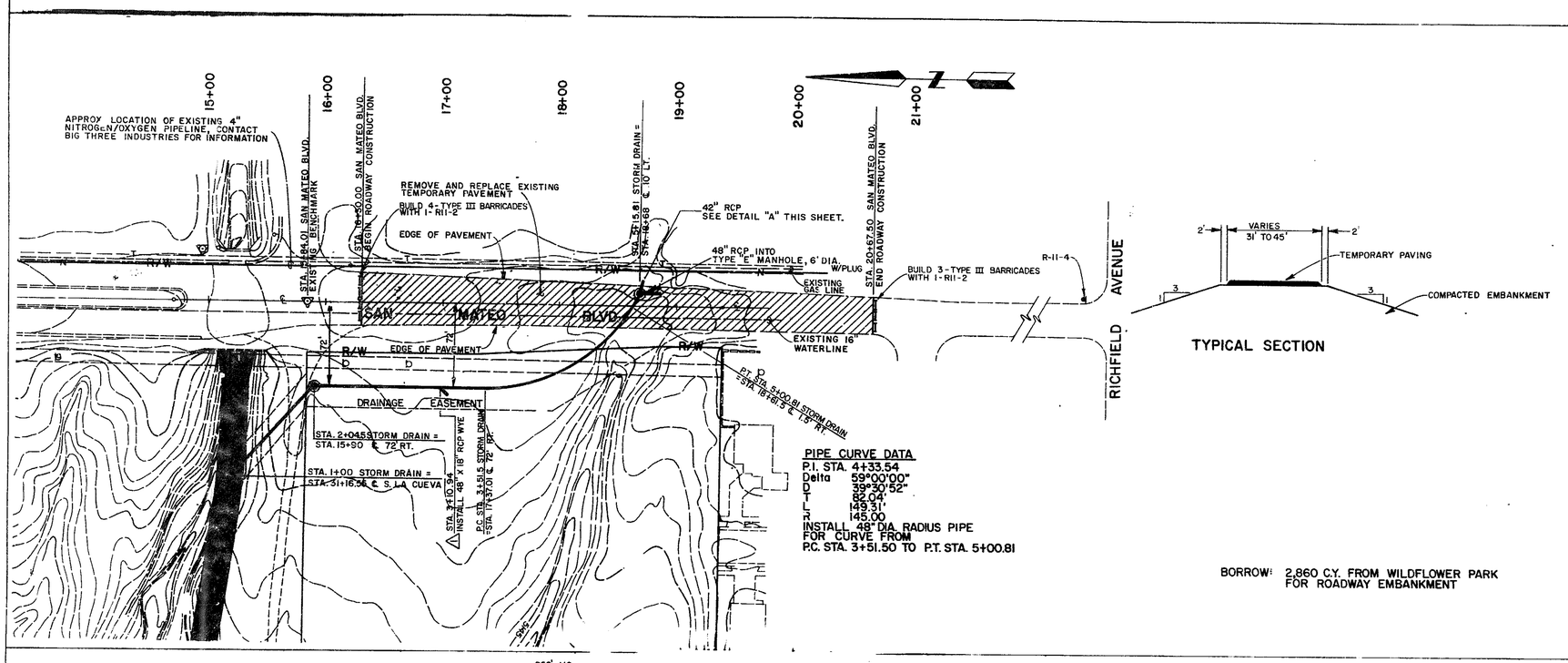
Scale:
1" = 50' Horiz.
1" = 5' Vert.

CITY OF ALBUQUERQUE
ALBUQ. METRO. ARROYO FLOOD CONTROL AUTHORITY

TITLE:
TEMPORARY ROAD STA. 0+00 TO 9+62.76
N. & S. LA CUEVA CHANNEL PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	C.T. Alburquerque	6/4/85	Liquid Waste	William G. Mahler	5/15/85
A C E - Design	[illegible]	6/4/85	Traffic	[illegible]	[illegible]
A C E - Hydrology	[illegible]	5/15/85	Water	William G. Mahler	5/15/85

DRAWING NO. 2455 | MAP NO. B-17 | SHEET 14A OF 71



Note:
1. Field Verify Location of Existing 16" Waterline, 4" Nitrogen/Oxygen Line, Gas Line and Buried Telephone Line.
2. For Pipe Connection Detail See Sheet 20.

AS BUILT INFORMATION
DATE
DATE
DATE
MICRO-FILM INFORMATION
DATE
NO

BENCH MARKS
Found Yellow Cap "U.S. 2455" at ℄ Pavement
DATE San Mateo Blvd. Elev. 5152.703

SURVEY INFORMATION
FIELD NOTES
NO BY

ENGINEER'S SEAL

William P. Wade
11/22/96

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

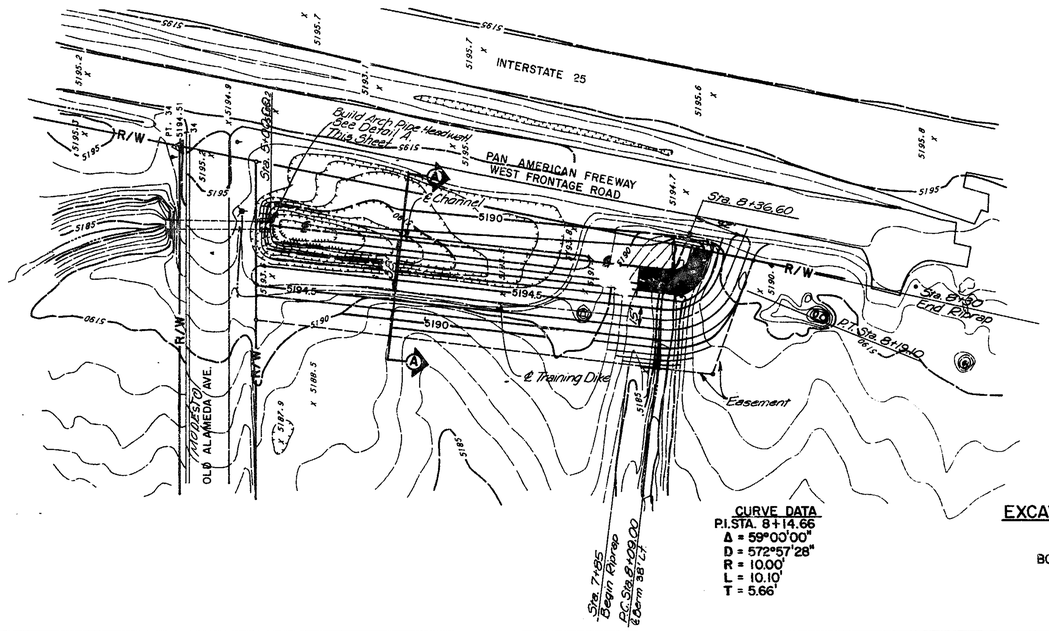
NO	DATE	REVISIONS	DESIGNED BY H.C.S., M.H.D., B.G. DATE 5-85
1	11/85	Added 48"x 18" WYE	DRAWN BY N.A.W., P.M.T. DATE 5-85
		REMARKS	CHECKED BY M.D.L. DATE 5-85

CITY OF ALBUQUERQUE
ALBUQ. METRO. ARROYO FLOOD CONTROL AUTHORITY

TITLE: SAN MATEO BLVD. & SAN MATEO STORM DRAIN
N. & S. LA CUEVA CHANNEL PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		5/15/85	Liquid Waste		5/15/85
A C E - Design		5/15/85	Traffic		5/15/85
A C E - Hydrol		5/15/85	Water		5/15/85

DRAWING NO 2455 | MAP NO C-18 | SHEET 15 OF 71

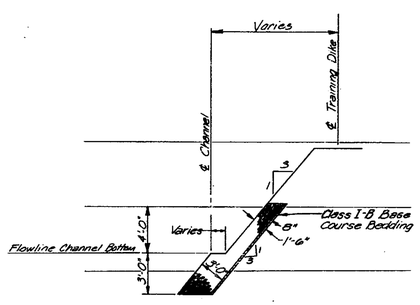


EXCAVATION QUANTITIES

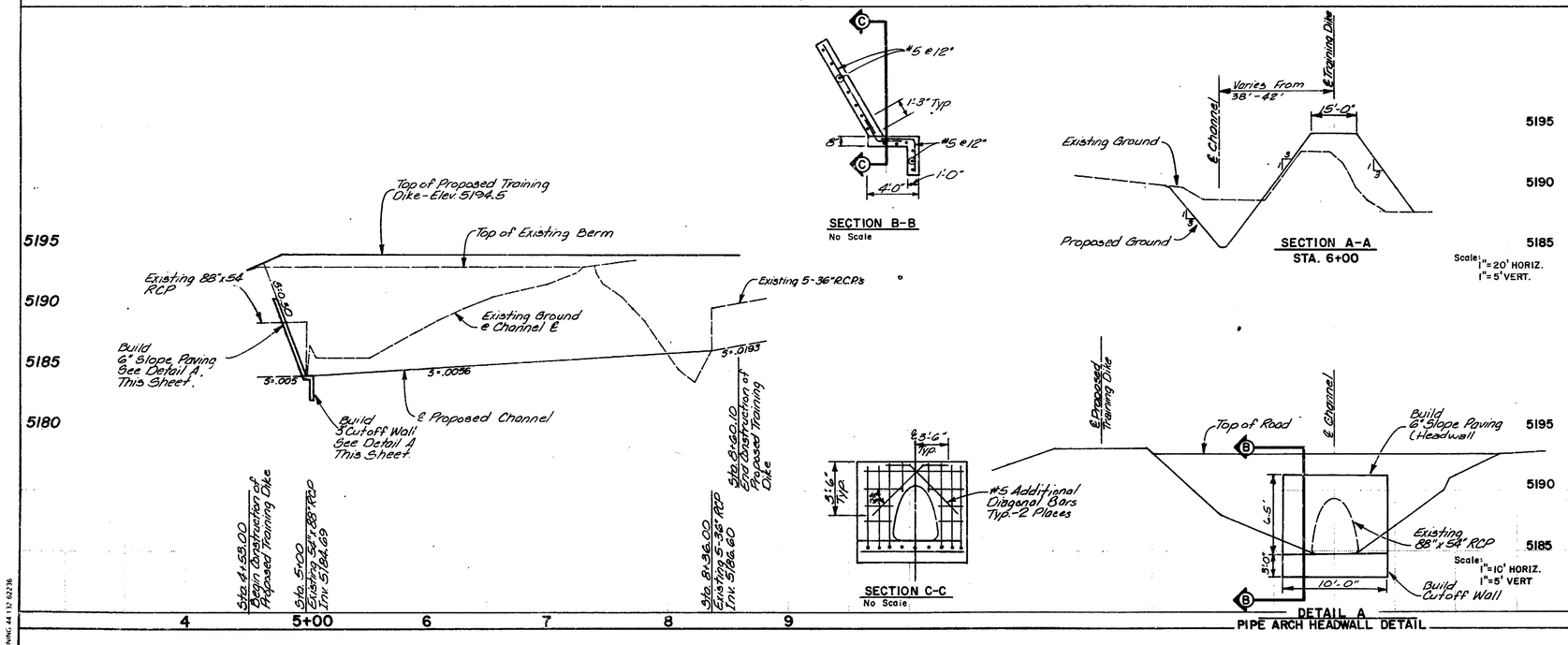
CUT: 740 C.Y.
FILL: 2,200 C.Y.
BORROW REQUIRED:
1,460 C.Y. FROM WILDFLOWER PARK

RIPRAP DETAIL

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



Note:
1. Transport Approx. 80 cu.yd. of Dumped Riprap from Vicinity of Alameda & San Mateo (See Sheet 8) & Place as Shown. Additional 70 C.Y. of Type H Riprap to be purchased by Contractor.



SECTION B-B

No Scale

SECTION A-A

STA. 6+00

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

SECTION C-C

No Scale

DETAIL A

PIPE ARCH HEADWALL DETAIL

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

RTUNING: 44 132 62236

AS BUILT INFORMATION	
BENCH MARKS	
Brass Cap Stamped "Bohanman No.1 Huston"	
Elev. 5194.51 NW Corner at Intersection of Old Alameda & Pan American Freeway.	
MICRO-FILM INFORMATION	

SURVEY INFORMATION			
FIELD NOTES			
NO.	BY	DATE	

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DATE 5-85
		DESIGNED BY H.C.S.	DATE 5-85
		DRAWN BY P.M.T. N.A.W.	DATE 5-85
		CHECKED BY M.D.L.	

ENGINEER'S SEAL

Howard C. Nash 5/17/85

William P. Wade

DE... 11/26/86

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

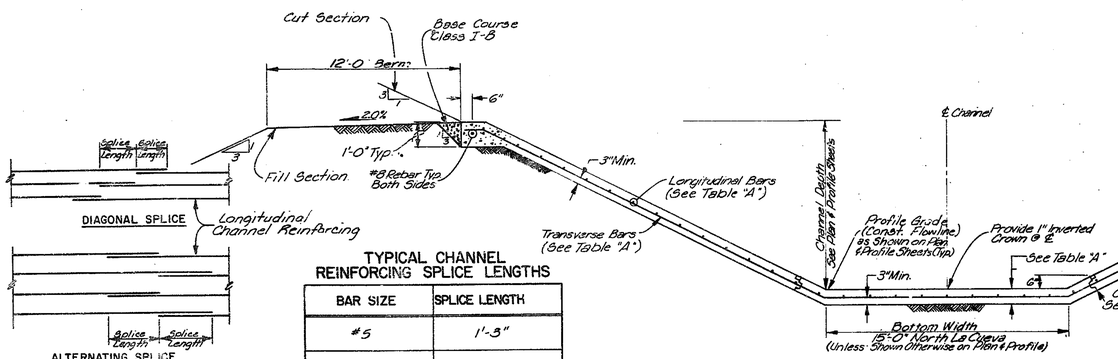
SCALE: 1"=50' HORIZ.
1" = 5' VERT.

CITY OF ALBUQUERQUE
ALBUQ. METRO. FLOOD CONTROL AUTHORITY

TITLE:
WILDFLOWER TRAINING DIKE
N. & S. LA CUEVA CHANNEL PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[illegible]	5/16/85	Liquid Waste	N/A	
A C E - Design	[illegible]	5/16/85	Traffic	[illegible]	5/15/85
A C E - Hydrology	[illegible]	5/15/85	Water	N/A	5/15/85

DRAWING NO. 2455 | MAP NO. C-18 | SHEET 16 OF 71



TYPICAL LONGITUDINAL SPLICE

Note: Longitudinal channel reinforcing shall hav alternating splice or diagonal splice (Not required for transverse bars.)

TYPICAL CHANNEL REINFORCING SPLICE LENGTHS

BAR SIZE	SPLICE LENGTH
#5	1'-3"
#6	1'-8"
#7	2'-3"
#8	2'-11"

TYPICAL CHANNEL CROSS SECTION
NORTH LA CUEVA CHANNEL

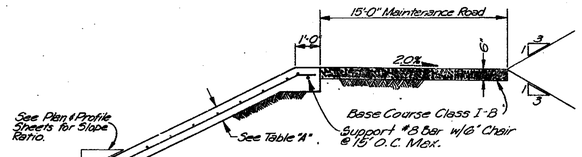
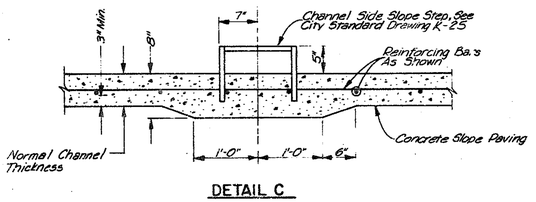
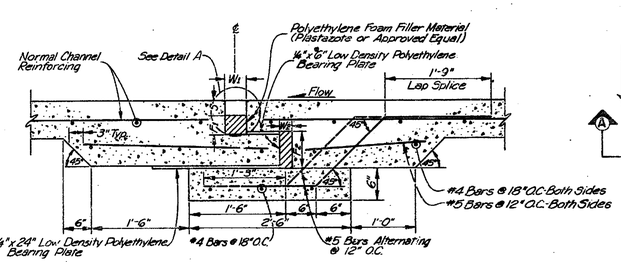


TABLE "A"

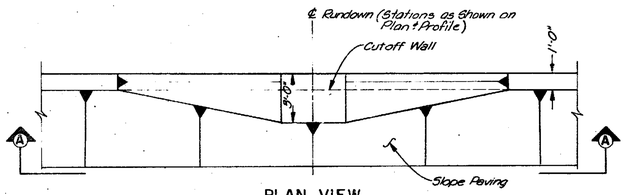
LOCATION	THICKNESS	LONGITUDINAL BARS	TRANSVERSE BARS	
North La Cueva Channel Sta. 5+00.00 to Sta. 10+00.00	7"	#6 @ 12" O.C.	#5 @ 1'-4" O.C.	Not This Contract
North La Cueva Channel Sta. 20+70.00 to Sta. 29+91.40	8"	#7 @ 1'-3" O.C.	#5 @ 1'-4" O.C.	
South La Cueva Channel Sta. 0+61.91 to Sta. 3+60.00 & Sta. 14+95.00 to Sta. 32+19.55	7"	#6 @ 12" O.C.	#5 @ 1'-4" O.C.	



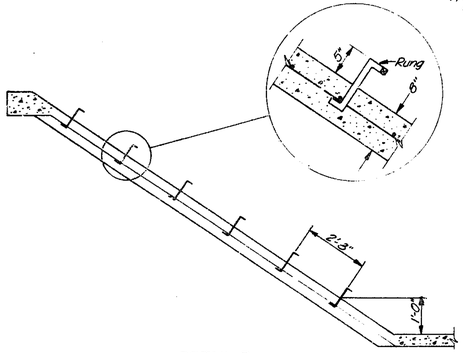
DETAIL C



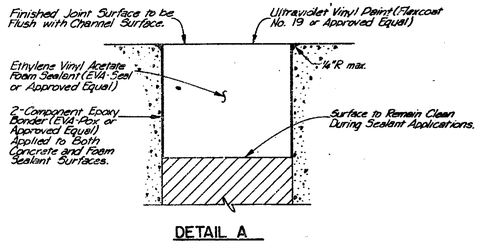
TYPICAL TRANSVERSE EXPANSION JOINT
NO SCALE



PLAN VIEW



DETAIL B



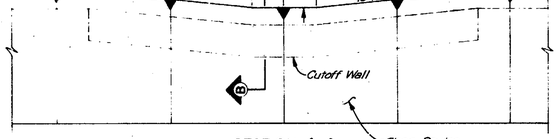
DETAIL A

CHANNEL SIDESLOPE LADDER DETAILS

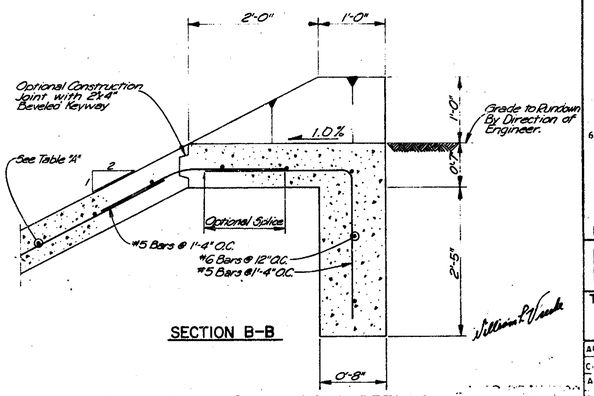
EXPANSION JOINT FILLERS & SEALANT DIMENSIONS (in inches)

W1	W2	S	F1	F2	
2	1	2	4½	6	
3	2	2½	5½	6	
4	3	3½	6½	6	← This Contract
5	4	4	2¼	6	
6	5	4	2¼	6	
7	6	4	2½	6	

NOTE: Order Width for Foam Filler Material shall be 25% greater than Dimensions of W1 Install Evaseal when temperature is 60° or less.



SECTION A-A



SECTION B-B

TYPICAL CHANNEL RUNDOWN DETAILS

11/26/96

NOTE:
1. Concrete shall be 3000 PSI 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 reber in typical channel section shall be 1'-0" or greater for N° 3 and N° 4 bars, 1'-3" for N° 5 bars and 2'-9" for N° 6 bars, Unless Otherwise Shown.
4. All steel spacing are given to the centerline of the bars, Unless Otherwise Shown.
5. All exposed edges shall have a ¾" chamfer, Unless Otherwise Shown.
6. Channel reber shall be supported on 3½" sand chairs at a maximum spacing of 5' perpendicular to the channel centerline.
7. Place channel 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. Saw cut control joint ¼" wide, 2" deep and apply polyurethane sealant or use Burke cold keyed joint or engineer approved equal (contractors option) Typical both sides. See typical section.

EXPANSION JOINT CONSTRUCTION NOTES

1. Compact sleeper subgrade to 90% per ASTM D 1557.
2. Four 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
NAME BY
DATE
INSPECTED BY
DATE
FIELD CHANGES BY
DATE
CERTIFICATION BY
DATE
CORRECTED BY
MICRO-FILM INFORMATION
DATE
RECORDED BY
NO

BENCH MARKS

SURVEY INFORMATION
NO. FIELD NOTES BY DATE

ENGINEER'S SEAL

REVISIONS
NO DATE BY REMARKS
DESIGN
DESIGNED BY T.L.H., M.H.D. DATE 5-85
DRAWN BY N.A.W. DATE 5-85
CHECKED BY M.D.L. DATE 5-85

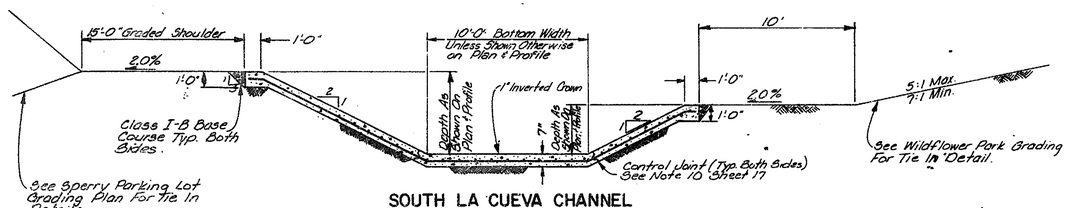
CITY OF ALBUQUERQUE
ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

TITLE: TYPICAL CHANNEL SECTIONS AND DETAILS
N. & S. LA CUEVA CHANNEL PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	NA	5/15/85
A.C.E. Design			Traffic		5/15/85
A.C.E. Hydraulics		5/17/85	Water	NA	5/15/85

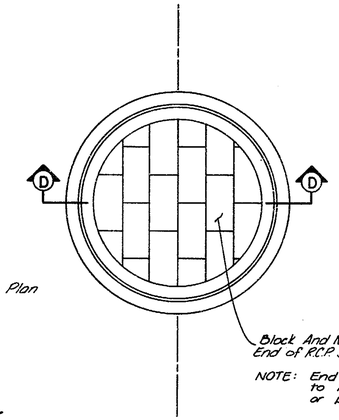
DRAWING NO 2455 MAP NO SHEET 17 OF 71

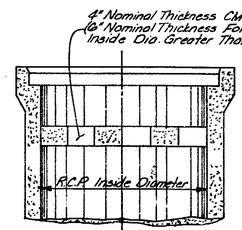
2|6|2|4|5|5|1|7|8|6



SOUTH LA CUEVA CHANNEL
TYPICAL PARK CHANNEL SECTION

Note: See Typical Channel Section For Reinforcing Information, Sheet 17. South La Cueva Channel Sta 13+70 to 32+19.55 shall be tinted Concrete, see Specifications.

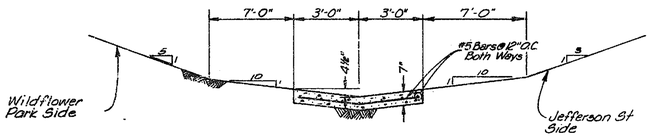




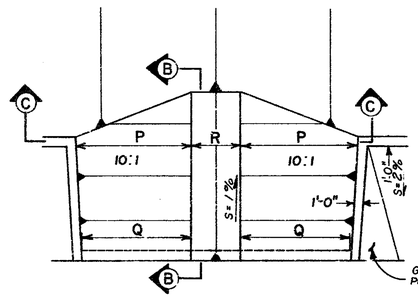
SECTION D-D

NOTE: End Seals Shall be considered subsidiary to R.C.P. Stubout, No separate measurement or payment will be made therefor.

R.C.P. STUBOUT END SEAL PLUG DETAIL
NO SCALE



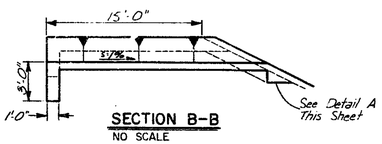
TYPICAL VEE DITCH SECTION
WATERCRESS DRAINAGE



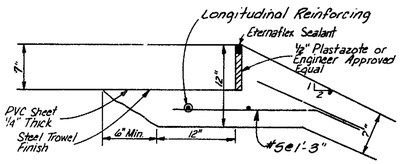
RUNDOWN ACROSS MAINTENANCE ROAD
NO SCALE

TABLE A

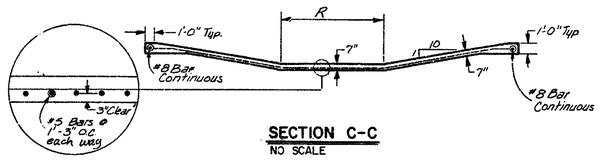
RUNDOWN STATION	P	Q	R	
N La Cueva 10+00.00				Not This Contract
N La Cueva 15+43.00				
N La Cueva 24+00.00	10'-0"	8'-6"	4'-0"	
S La Cueva 24+50.00	10'-0"	8'-6"	4'-0"	



SECTION B-B
NO SCALE



RUNDOWN JOINT DETAIL A
NO SCALE



SECTION C-C
NO SCALE

NOTES:
1. Wildflower Park Grading Plan sheet 32.
2. Sperry Parking Lot Grading Plan sheets 23-26.

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

SCALE: AS SHOWN

CITY OF ALBUQUERQUE
ALBUQ. METRO. ARROYO FLOOD CONTROL AUTHORITY

TITLE: PARK SECTION AND MISCELLANEOUS DETAILS
N. & S. LA CUEVA CHANNEL PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	N/A	
A C E - Design		5/15/85	Traffic		5/15/85
A C E - Hydrology		5/15/85	Water	N/A	5/15/85

DRAWING NO. 2455 | MAP NO. | SHEET 18 OF 71

AS BUILT INFORMATION
CONTRACTOR
WORK BY
INSPECTORS
FIELD TENSIE BY
VERIFICATION BY
CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
NO

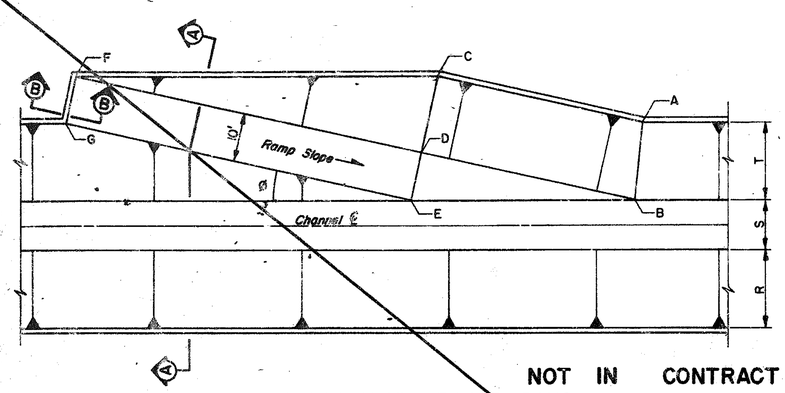
BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
Thomas C. Moore
5/15/85

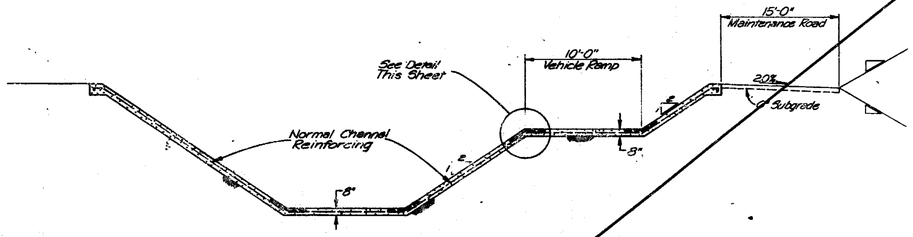
REVISIONS
NO. DATE REMARKS BY
DESIGNED BY T.L.H., M.H.D., B.G. DATE 5-85
DRAWN BY N.A.W., T.G. DATE 5-85
CHECKED BY M.D.L. DATE 5-85

William P. Smith
11/26/85

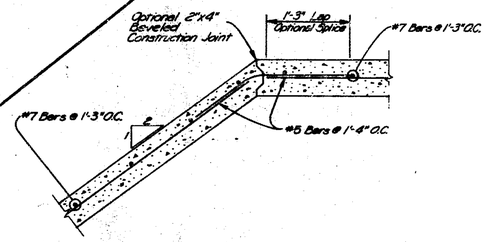


NOT IN CONTRACT

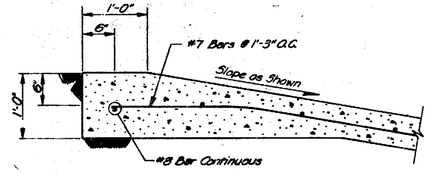
MAINTENANCE VEHICLE RAMP
PLAN VIEW



SECTION A-A



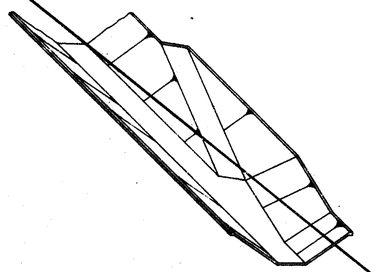
DETAIL A



SECTION B-B

SITE DESCRIPTION	CHANNEL SIDE SLOPE	SLOPE (%) CHANNEL	SLOPE (%) RAMP	Ø	DIMENSIONS R	DIMENSIONS S	DIMENSIONS T	POINT DESCRIPTION	A	B	C	D	E	F	G
								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 ℄							
								STATION							
								ELEVATION							
								OFFSET FROM CHANNEL ℄							

NOT IN CONTRACT



ISOMETRIC VIEW

NOTES:

AS BUILT INFORMATION
BENCH MARKS
SURVEY INFORMATION
FIELD NOTES
NO. BY DATE
ENGINEER'S SEAL
FIELD LOCATION BY DATE
DRAWINGS CHECKED BY DATE
COMPUTER FILE
MICRO-FILM INFORMATION
RECORDED BY DATE NO

RECORD DRAWING
DATE 11/26/96

NO.	DATE	REMARKS	DESIGNED BY	DRAWN BY	CHECKED BY
		REVISIONS	T.L.H. M.H.D. DATE 5-85	N.A.W. DATE 5-85	M.D.L. DATE 5-85

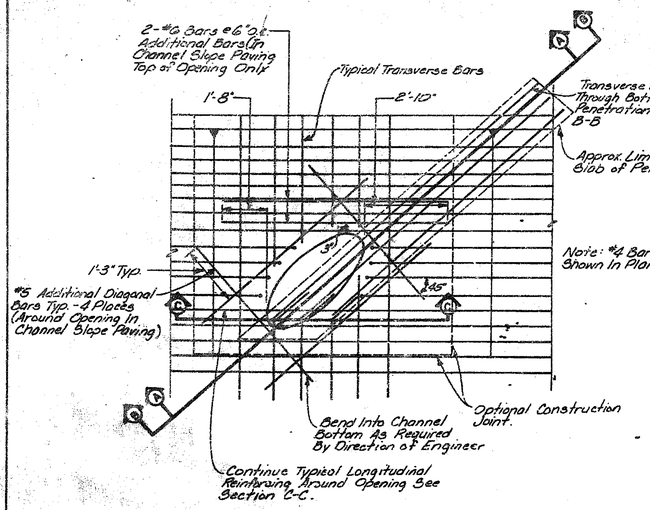
1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 4 5 5 1 9 8 6
NO SCALE

CITY OF ALBUQUERQUE
ALBUQ. METRO. ARROYO FLOOD CONTROL AUTHORITY

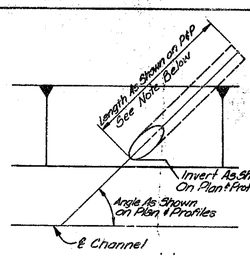
TITLE: MAINTENANCE VEHICLE RAMP DETAILS
N. & S. LA CUEVA CHANNEL PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	NA	5/15/85
A C E - Design			Traffic		5/15/85
A C E - Hydrology		5/15/85	Water	NA	5/15/85

DRAWING NO 2455 MAP NO. SHEET 19 OF 71

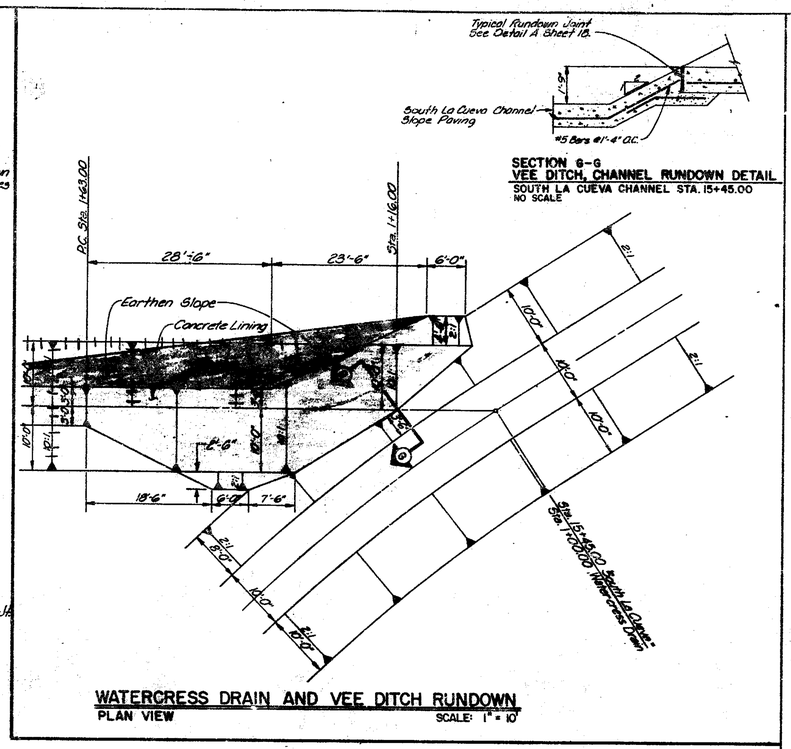


TYPICAL PIPE PENETRATION
PLAN VIEW NO SCALE



PIPE PENETRATION
PLAN VIEW NO SCALE

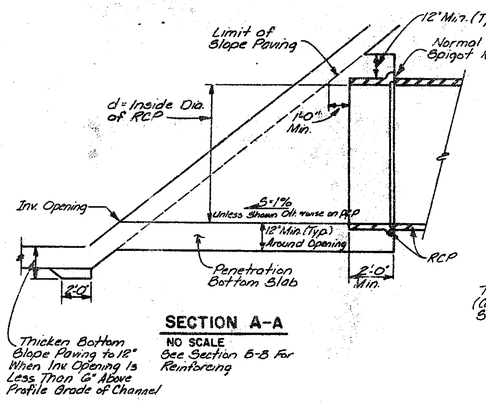
Note: For payment purposes all work for pipe penetration shall be considered RCP Stubout and payment per L.F. will be made for the length as shown.



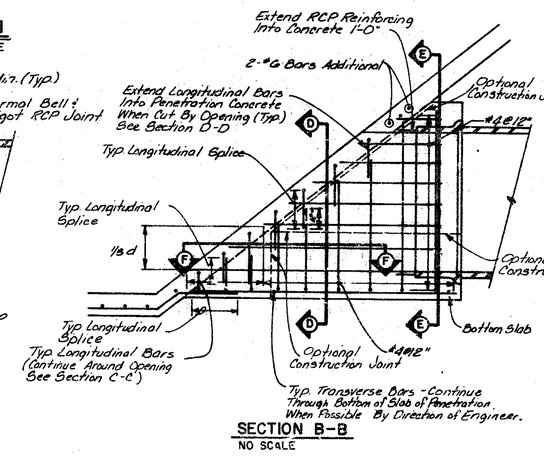
SECTION G-G
VEE DITCH, CHANNEL RUNDOWN DETAIL
SOUTH LA CUEVA CHANNEL STA. 1+45.00
NO SCALE

WATERCRESS DRAIN AND VEE DITCH RUNDOWN
PLAN VIEW SCALE: 1" = 10'

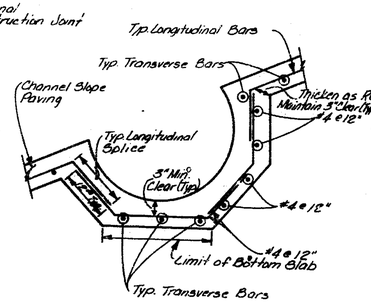
NOTES:
1. Watercress Drain & Vee Ditch Plan & Profile Sheet 12.



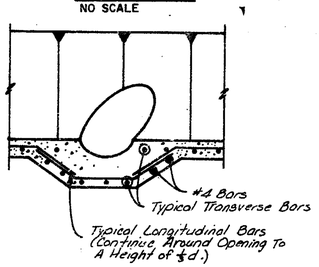
SECTION A-A
NO SCALE
See Section B-B For Reinforcing



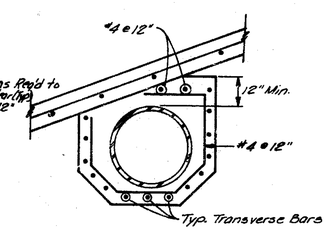
SECTION B-B
NO SCALE



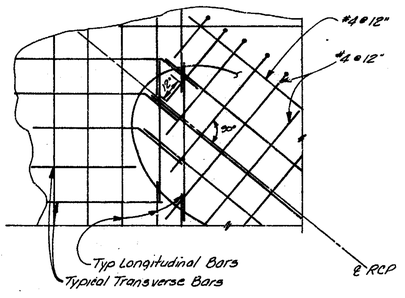
SECTION D-D
NO SCALE



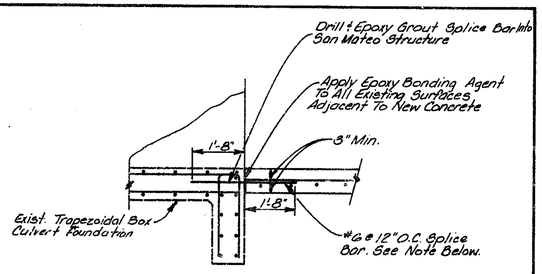
SECTION C-C
NO SCALE



SECTION E-E
NO SCALE



SECTION F-F
NO SCALE



ATTACHMENT TO SAN MATEO STRUCTURE
SOUTH LA CUEVA CHANNEL STA. 32+19.55
NO SCALE

Note: Horizontal location of splice bar shall be varied ± 1" as required to avoid damaging existing reinforcing. A contact splice with the longitudinal channel reinforcing is not required, however maximum spacing between adjacent splice bars of 12" shall be maintained.

BRUNING 44-132 62236

AS BUILT INFORMATION
CONTRACTOR
WORK DONE BY
INSPECTION'S
FIELD RELEASE BY
FIELD
DOCUMENTATION BY
CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
Thomas P. Moore
12/17/85

NO.	DATE	REMARKS	BY
1	11/26/86		

REVISIONS
DESIGN
DESIGNED BY T.L.H., M.H.D., B.G. DATE 5-85
DRAWN BY N.A.W. DATE 5-85
CHECKED BY M.D.L. DATE 5-85

William P. Moore

1 2 3 4 5 6 7 8 9 10 11 12
26 24 55 20 86

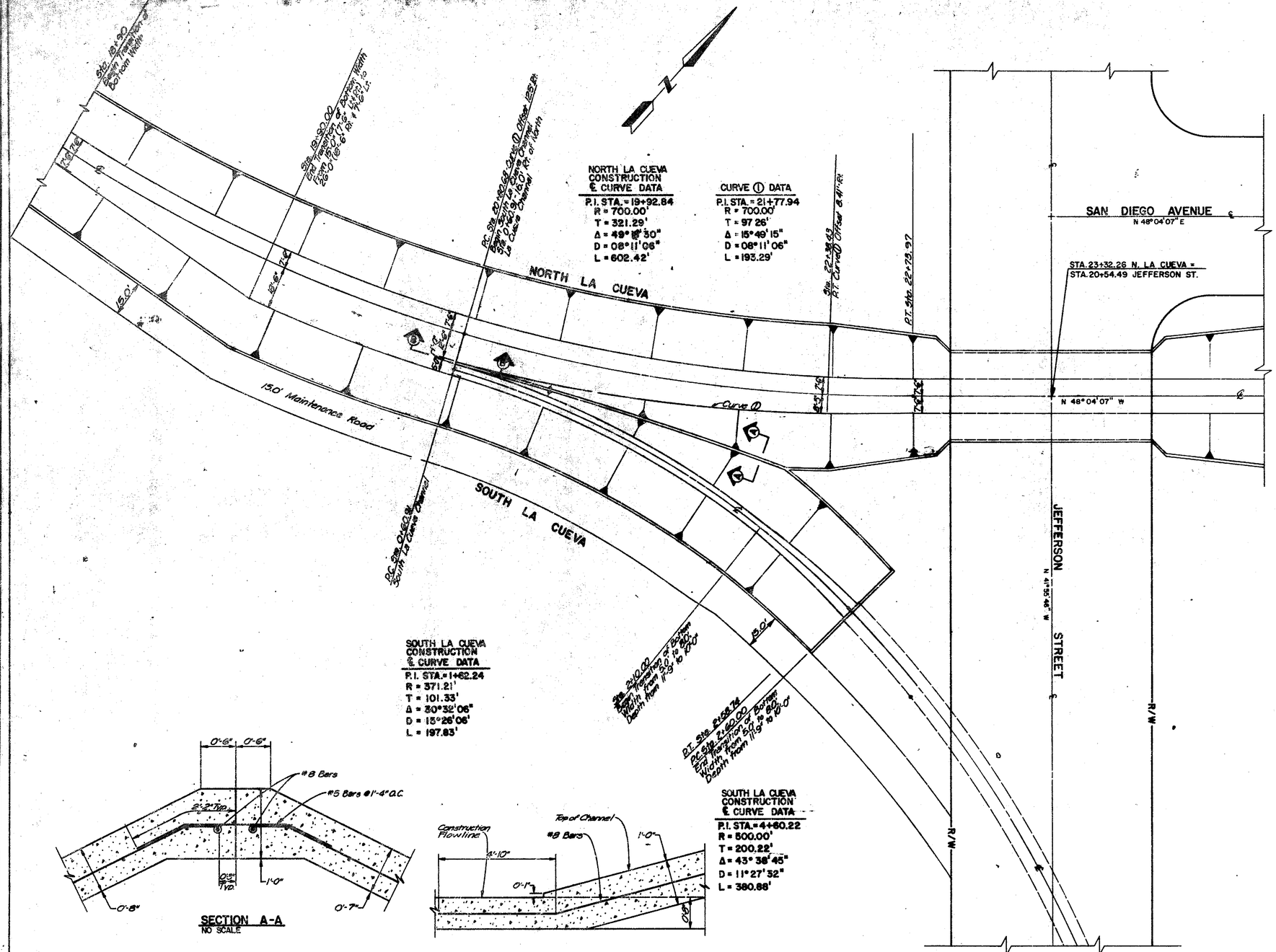
SCALE: AS SHOWN

CITY OF ALBUQUERQUE
ALBUQ. METRO. ARROYO FLOOD CONTROL AUTHORITY

TITLE: MISCELLANEOUS CHANNEL DETAILS
N. & S. LA CUEVA CHANNEL PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	C. Wallingford	6/4/85	Liquid Waste	N/A	5/15/85
A.C.E.-Design	[illegible]	6/4/85	Traffic	[illegible]	6/5/85
A.C.E.-Hydro	[illegible]	6/11/85	Water	N/A	5/15/85

DRAWING NO. 2455 MAP NO. SHEET 20 OF 71



AS BUILT INFORMATION

CONTR. = N.

ACTIVE	DATE		
INSPECTOR	DATE		
AS-BUILTED BY	DATE		
VERIFICATION BY	DATE		
CORRECTED BY	DATE		

MICRO-FILM INFORMATION

RECORDED BY DATE

NO

SURVEY INFORMATION

BENCH MARK'S

FIELD NOTES

NO	BY	DATE

ENGINEER'S SEAL

REVISIONS

NO	DATE	REMARKS	BY
		DESIGN	H.C.S. DATE 5-85
			DRAWN BY P.M.T., N.A.W. DATE 5-85
			CHECKED BY M.D.L. DATE 5-85

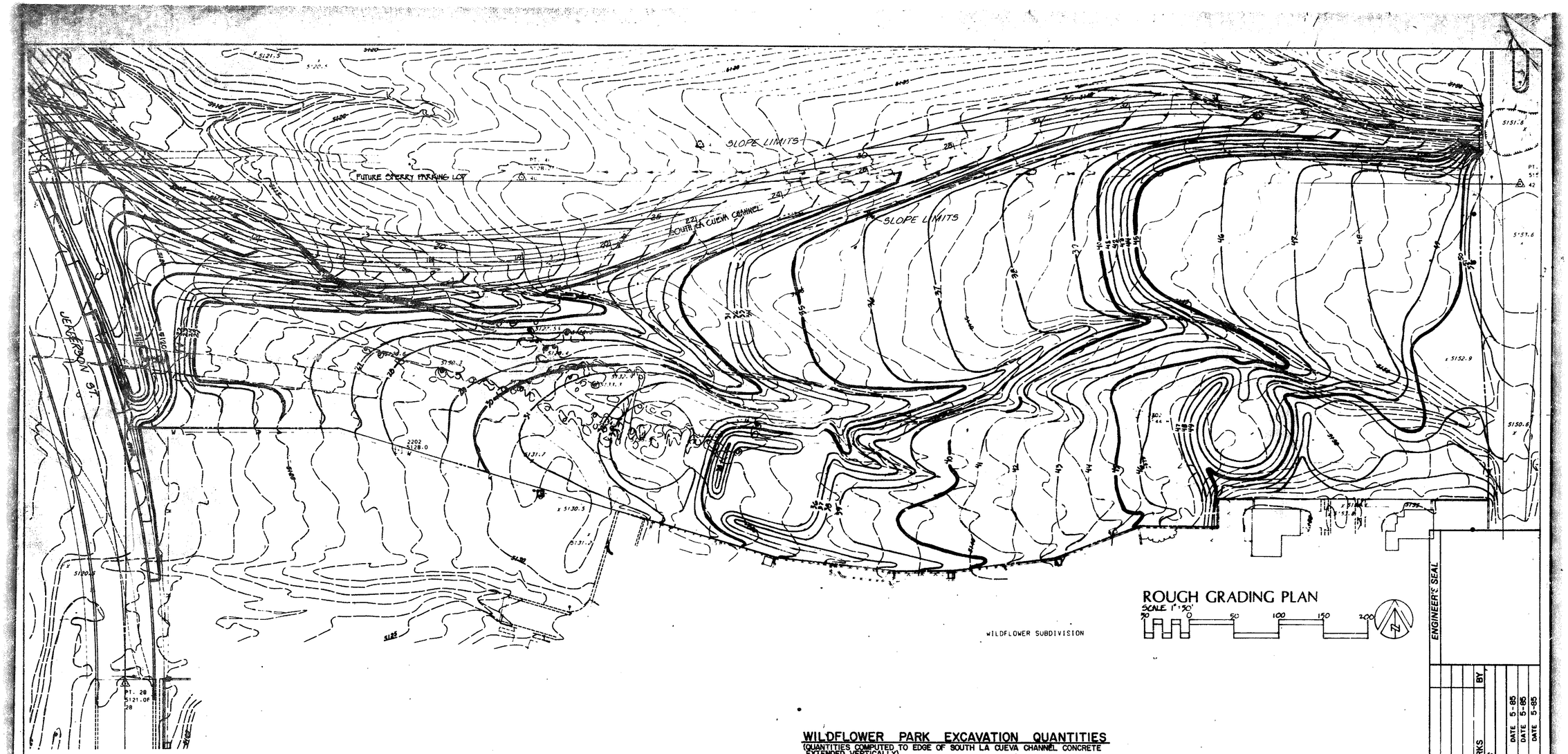
SCALE: 1" = 20'

CITY OF ALBUQUERQUE
ALBUQ. METRO. ARROYO FLOOD CONTROL AUTHORITY

TITLE: N. & S. LA CUEVA CHANNEL CONFLUENCE
N. & S. LA CUEVA CHANNEL PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		5/15/85
A.C.E.-Design			Traffic		5/15/85
A.C.E.-Hydrology		5/14/85	Water		5/15/85

DRAWING NO 2455 | MAP NO. | SHEET 21 OF 71



ROUGH GRADING PLAN
SCALE 1"=50'
50 0 50 100 150 200

WILDFLOWER PARK EXCAVATION QUANTITIES

(QUANTITIES COMPUTED TO EDGE OF SOUTH LA CUEVA CHANNEL CONCRETE EXTENDED VERTICALLY)

CUT: 18,960 C.Y.

FILL: 9,870 C.Y.

AVAILABLE BORROW FOR USE AT SPERRY PARKING LOT, SAN MATEO IMPROVEMENTS AND WILDFLOWER TRAINING DIKE: 5,370 C.Y.

AVAILABLE EXCESS: 3,270 C.Y.

STRIP: 1,500 C.Y.

Orig. ✓ 1

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

ENGINEER'S SEAL

NO.	DATE	REVISIONS	BY
		DESIGNED BY	
		REMARKS	
		DESIGN DATE 5-85	
		DRAWN BY DATE 5-85	
		CHECKED BY DATE 5-85	

SCALE: AS SHOWN

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: WILDFLOWER PARK GRADING PLAN
N. & S. LA CUEVA CHANNEL PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	NA	3/15/85
A.C.E.- Design			Traffic		
A.C.E.- Hydrology			Water	NA	5/13/85

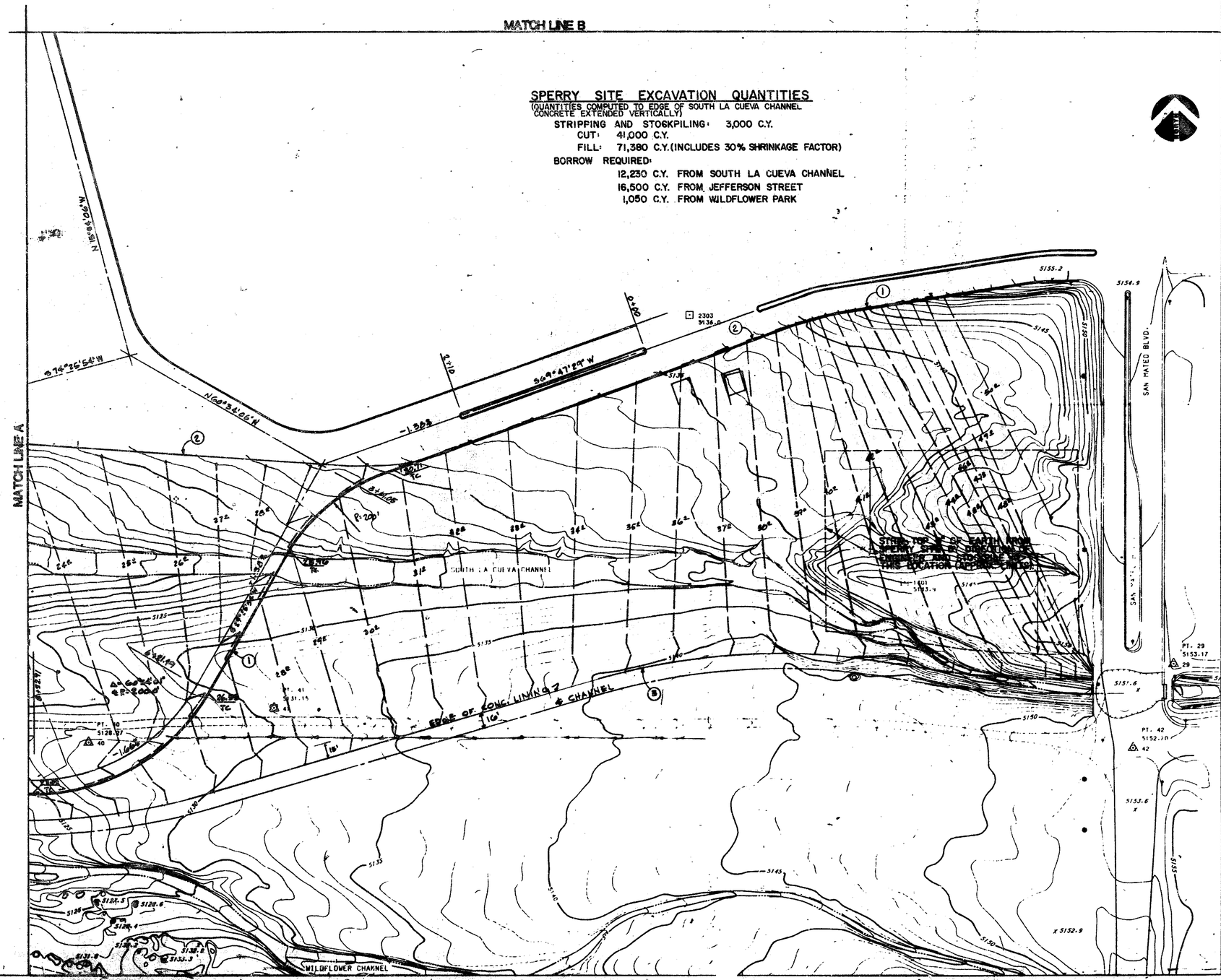
DRAWING NO. 2455 | MAP NO. C-17 | SHEET 22 OF 71

MATCH LINE B

SPERRY SITE EXCAVATION QUANTITIES

(QUANTITIES COMPUTED TO EDGE OF SOUTH LA CUEVA CHANNEL CONCRETE EXTENDED VERTICALLY)

STRIPPING AND STOCKPILING: 3,000 C.Y.
CUT: 41,000 C.Y.
FILL: 71,380 C.Y. (INCLUDES 30% SHRINKAGE FACTOR)
BORROW REQUIRED:
12,230 C.Y. FROM SOUTH LA CUEVA CHANNEL
16,500 C.Y. FROM JEFFERSON STREET
1,050 C.Y. FROM WILDFLOWER PARK



KEYED NOTES:

1. CURB AND GUTTER NOT IN THIS CONTRACT.
2. EDGE OF ½ EXISTING ASPHALT PAVEMENT AND LIMITS OF GRADING FOR THIS CONTRACT.
3. SEE SHEET 8 FOR CHANNEL PROFILE.

LEGEND:
—5140— EXISTING CONTOURS
—40'— FINISH CONTOURS

RECORD DRAWINGS
11/26/96

SCALE: 1" = 50'

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: SPERRY PARKING LOT GRADING PLAN
N. & S. LA CUEVA CHANNEL PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	NA Mgr B	5/13/85
A.C.E. - Design		5/14/85	Traffic		
A.C.E. - Hydrology		5/14/85	Water	NA Mgr B	5/13/85

DRAWING NO 2455 | MAP NO. B-17 | SHEET 23 OF 71

SURVEY INFORMATION
NO. | FIELD NOTES BY | DATE

BENCH MARKS

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED ON: DATE
INSPECTED BY
ACCEPTANCE BY DATE
RECOMMENDED BY
VERIFICATION BY DATE
CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

ENGINEER'S SEAL

NO.	DATE	REVISIONS	BY
		DESIGN	DAT. 5-85
		DESIGNED BY	DATE 5-85
		DRAWN BY	DATE 5-85
		CHECKED BY	

CITY OF ALB
THIS MICROIMAG
POSSIBLE REPRO
TO THE POOR QU
ORIGINAL DOCU
R# 1320 Date 5
CITY OF ALBU
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copy of the orig
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Eng. Dept./
and was filmed
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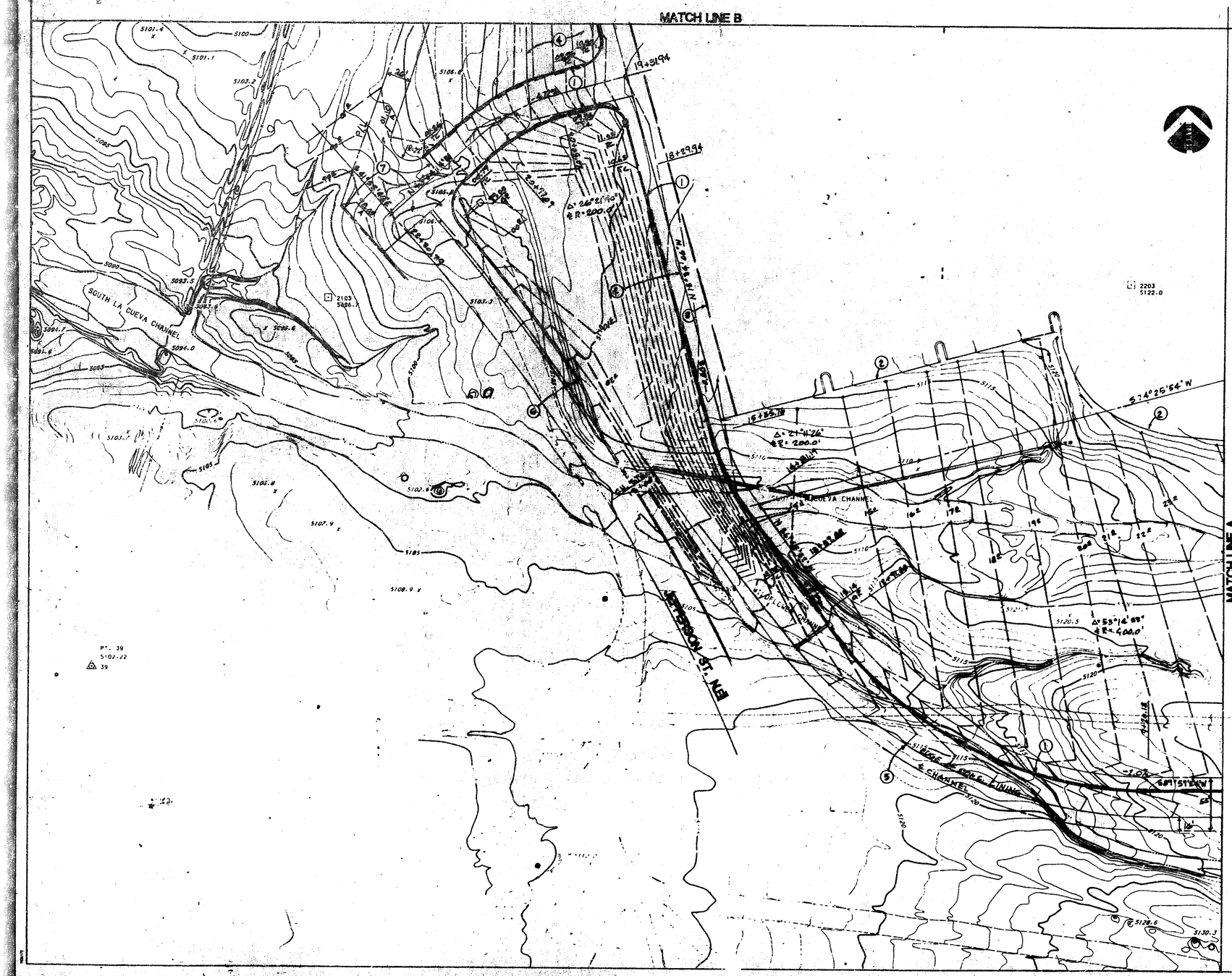
the Nat'l Microg
(MS115-1977).
City Clerk
My Commission Expires



KEYED NOTES:

1. CURB AND GUTTER NOT IN THIS CONTRACT.
2. EDGE OF ASPHALT AND LIMITS OF GRADING.
3. LIMITS OF GRADING FOR THIS CONTRACT.
4. REMOVE EXISTING ASPHALT PAVEMENT.
5. SEE SHEET 7 FOR CHANNEL PROFILE.
6. SEE SHEETS 12 AND 13 FOR JEFFERSON ST. CURB GRADES.
7. CONSTRUCT TEMPORARY ASPHALT PAVEMENT PER CITY STD. DETAIL P-7-1.
8. *For Earthwork Information See Sheet 23.*

SURVEY INFORMATION
FIELD NOTES BY
NO. DATE

BENCH MARKS

AS BUILT INFORMATION
CONTRACTOR
WORK PLACED BY
INSPECTED
ACCEPTANCE BY DATE
REVISIONS BY DATE
VERIFICATION BY DATE
CORRECTED BY DATE

MICRO-FILM INFORMATION
RECORDED BY DATE
NO

ENGINEER'S SEAL

WILLIAM L. USREY
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER

RECORD DRAWINGS
DATE 11/26/96

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DESIGNED BY
	DATE 5-85		DRAWN BY
	DATE 5-85		CHECKED BY
	DATE 5-85		

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

SCALE: 1" = 50'

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

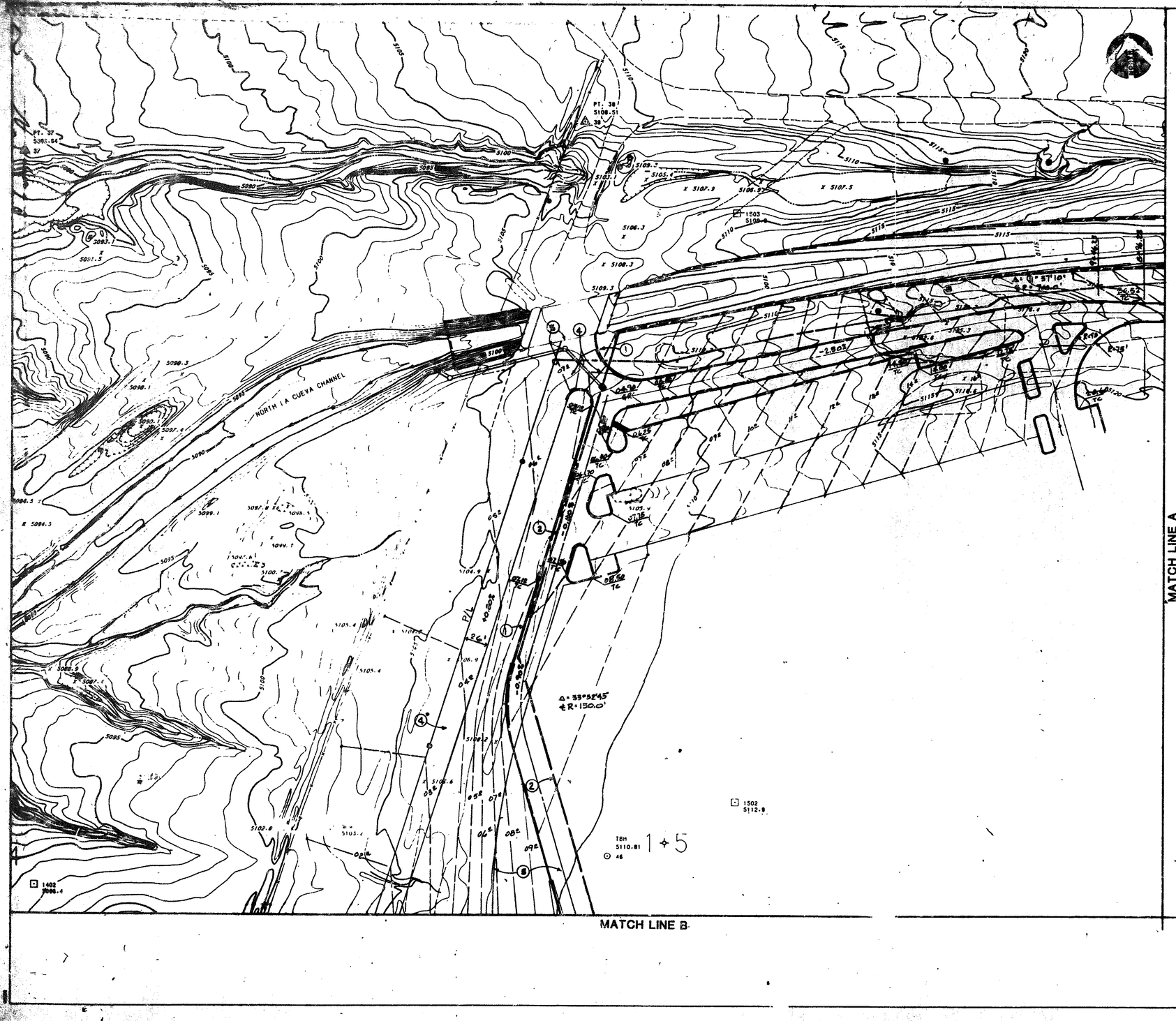
TITLE: SPERRY PARKING LOT GRADING PLAN
N. & S. LA CUEVA CHANNEL PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		6/4/96	Liquid Waste	NA MOB	5/15/96
A C E - Design		6/4/96	Traffic		5/14/96
A C E - Hydrology		5/15/96	Water	NA MOB	5/15/96

DRAWING NO. 2455 | MAP NO. B-17 | SHEET 24 OF 71

D C B A

CITY OF ALBUQUERQUE C



KEYED NOTES:

1. CURB AND GUTTER NOT IN THIS CONTRACT.
2. LIMITS OF GRADING FOR THIS CONTRACT.
3. REMOVE EXISTING ASPHALT PAVEMENT.
4. CONSTRUCT TEMPORARY ASPHALT PAVEMENT PER CITY STD. DETAIL P-7-1.
5. END TEMPORARY PAVEMENT AT EXISTING BRIDGE.
6. *For Earthwork Information See Sheet 23.*

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED ON | DATE
ACCEPTANCE BY | DATE
VERIFICATION BY | DATE
CORRECTED BY | DATE

MICRO-FILM INFORMATION
RECORDED BY | DATE
NO

ENGINEER'S SEAL

REVISIONS
NO. | DATE | REMARKS | BY

DESIGNED BY
DRAWN BY
CHECKED BY

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

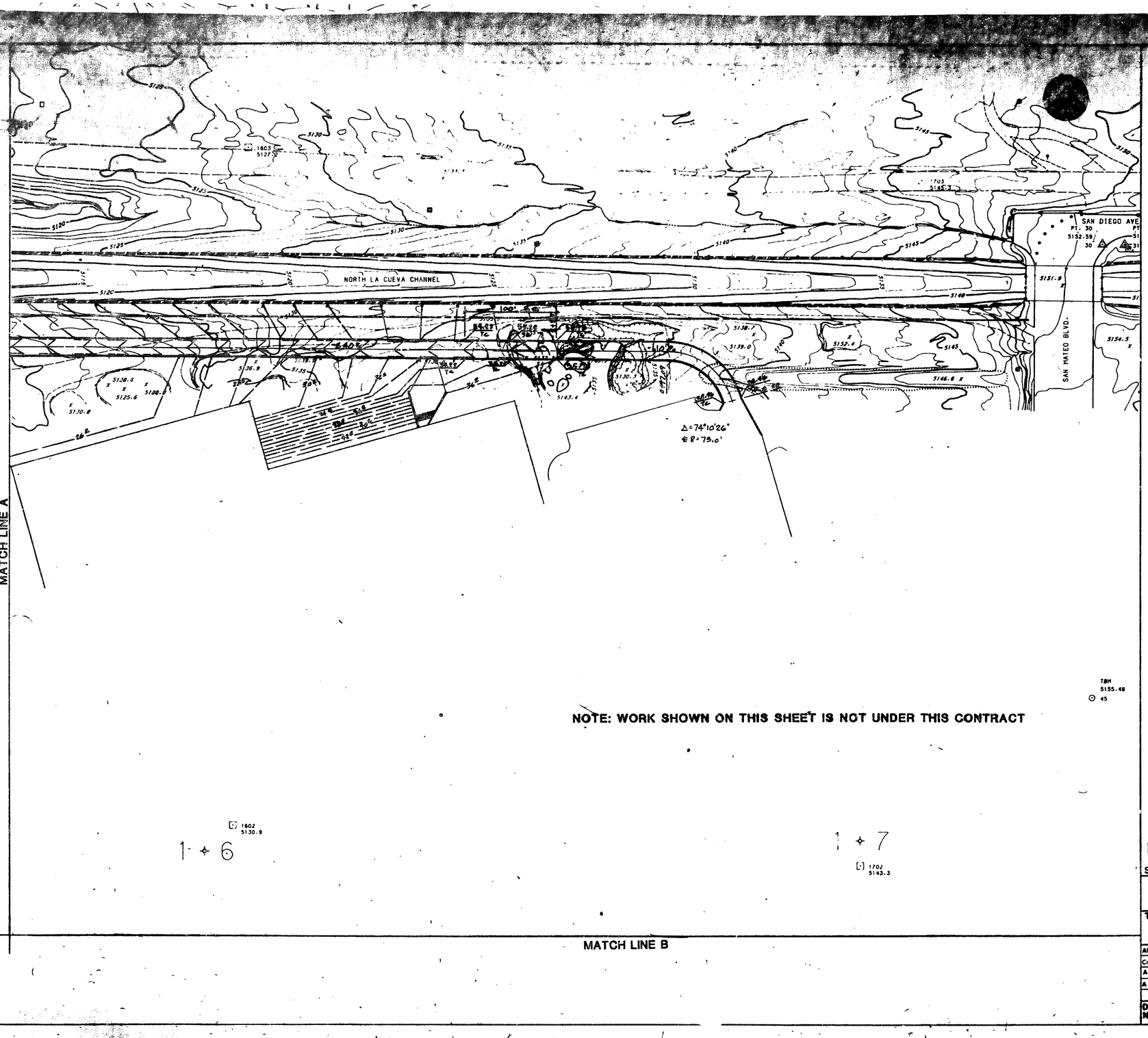
SCALE: 1" = 50'

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: SPERRY PARKING LOT GRADING PLAN
N. & S. LA CUEVA CHANNEL PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	NA 2nd'd	5/15/85
A C E - Design			Traffic	For Norman G.	5/15/85
A C E - Hydrology		5/15/85	Water	NA 2nd'd	5/15/85

DRAWING NO. 2455 | MAP NO. B-17 | SHEET 25 OF 71



NOTE: WORK SHOWN ON THIS SHEET IS NOT UNDER THIS CONTRACT

AS BUILT INFORMATION

CONTRACTOR

HOW: BY
INSPECTOR'S
ACCEPTANCE BY
DATE
MEMORANDUM BY
DATE
PROJECTED BY
MICRO-FILM BY
RECORDED BY
DATE
TAD

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY	DATE 5-85
		DRAWN BY	DATE 5-85
		CHECKED BY	DATE 5-85

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

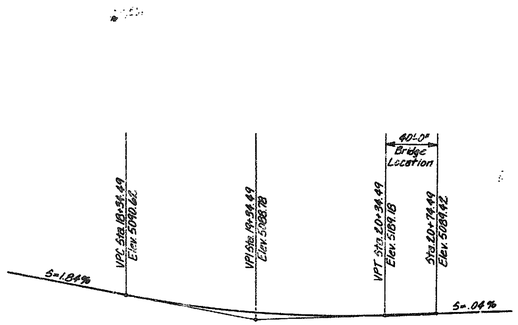
SCALE: 1" = 50'

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: SPERRY PARKING LOT GRADING PLAN
N. & S. LA CUEVA CHANNEL PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		5/16/85	Liquid Waste	N.A. [illegible]	5/15/85
A.C.E.-Design		5/16/85	Traffic	[illegible]	5/15/85
A.C.E.-Hydrology		5/16/85	Water	N.A. [illegible]	5/15/85

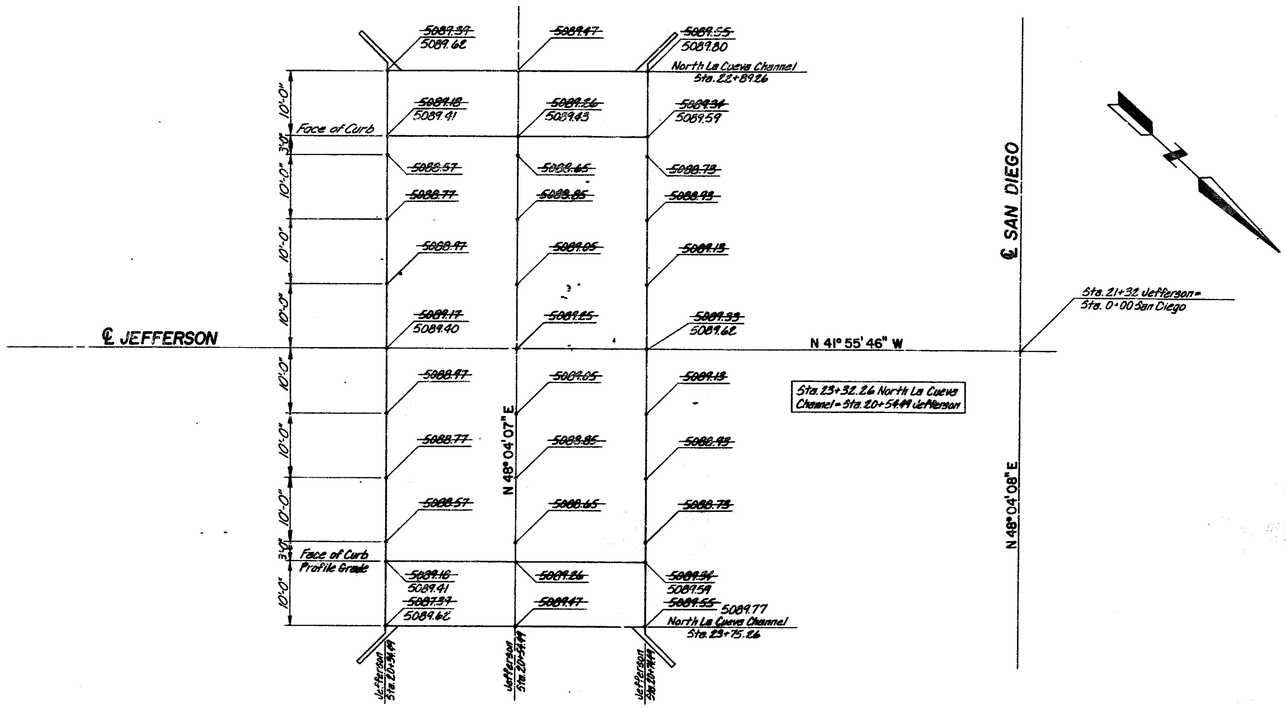
DRAWING NO. 2455 | MAP NO. B-17 | SHEET 26 OF 71



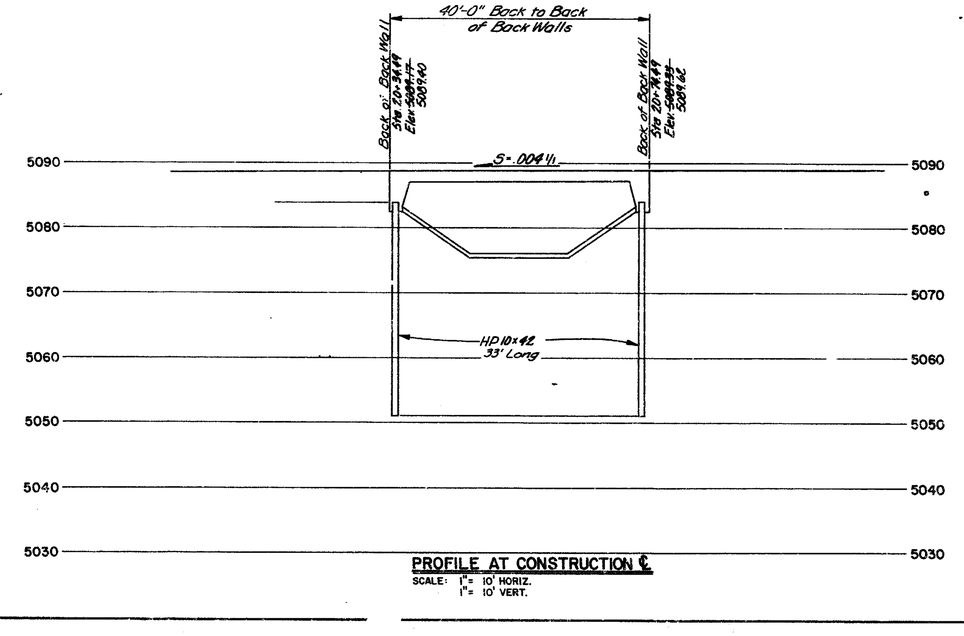
PROFILE GRADE
SCALE: 1"=50'

LEGEND

- Poorly graded gravels, gravel-sand mixtures, or sand-gravel-cobble mixtures.
- Well graded sands, gravelly sands.
- Poorly graded sands, gravelly sands.
- Silty sands, sand-silt mixtures.
- Clayey sands, sand-clay mixtures.
- Inorganic silts, clayey silts with slight plasticity.
- Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.



DECK ELEVATIONS
SCALE: 1"= 10'



PROFILE AT CONSTRUCTION ℄
SCALE: 1"= 10' HORIZ.
1"= 10' VERT.

RECORD DRAWINGS
DATE 11/24/86

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

AS-BUILT INFORMATION
CONTRACTOR
STAKED BY DATE
INSPECTED BY DATE
FIELD LOCATION BY DATE
DRAWING BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
NO. BY DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN
DESIGNED BY DLW DATE 5-85
DRAWN BY RL DATE 5-85
CHECKED BY MDL DATE 5-85

ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

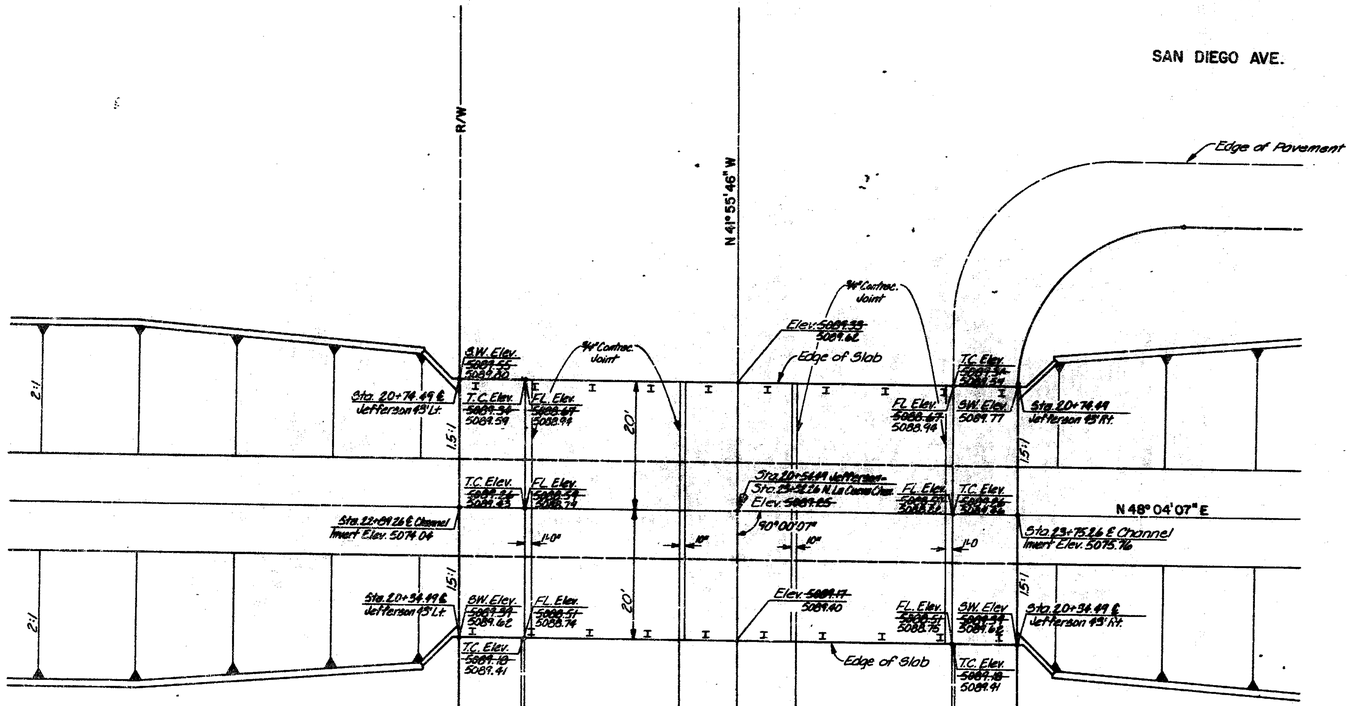
TITLE: NORTH LA CUEVA CHANNEL
JEFFERSON BRIDGE
PLAN & PROFILE

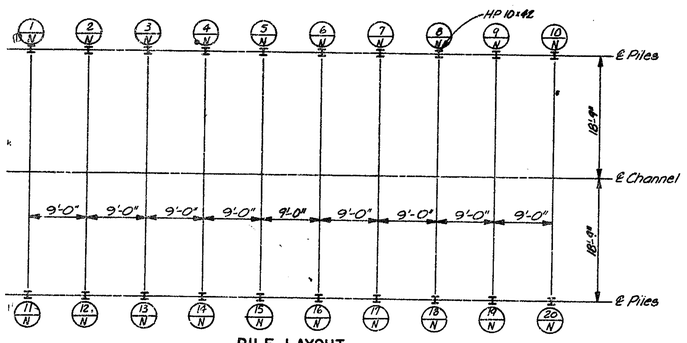
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	N/A	
A.C.E - Design			Traffic		
A.C.E.-Hydrology			Water	N/A	

DRAWING NO. 2455 | MAP NO. | SHEET 27 OF 71

DRAWING 44-122 29563

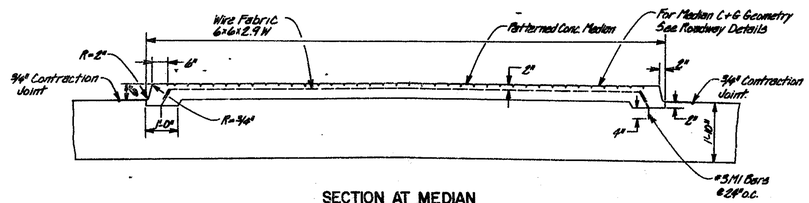
PILE NO.	CUT-OFF ELEV.	BOTTOM ELEV.
1 N	5082.73	5049.73
2 N	5082.91	5049.91
3 N	5083.09	5050.09
4 N	5083.27	5050.27
5 N	5083.45	5050.45
6 N	5083.45	5050.45
7 N	5083.27	5050.27
8 N	5083.08	5050.08
9 N	5082.91	5049.91
10 N	5082.73	5049.73
11 S	5082.57	5049.57
12 S	5082.75	5049.75
13 S	5082.93	5049.93
14 S	5083.11	5050.11
15 S	5083.29	5050.29
16 S	5083.29	5050.29
17 S	5083.11	5050.11
18 S	5082.93	5049.93
19 S	5082.75	5049.75
20 S	5082.57	5049.57





PILE LAYOUT

NOTE:
ALL PILES TO BE DRIVEN VERTICAL.



SECTION AT MEDIAN
(SECTION ON BRIDGE)

AS-BUILT INFORMATION
CONTRACTOR — DATE
BENCH MARKS
SURVEY INFORMATION
BY — DATE
NO.
ENGINEER'S SEAL
MICRO-FIL W INFORMATION
RECORDED BY — DATE
NO.
REMARKS
REVISIONS — DATE — BY
DESIGNED BY D.L.W — DATE 5-85
DRAWN BY R.L. — DATE 5-85
CHECKED BY M.D.L. — DATE 5-15-85

RECORD DRAWINGS
11/24/86

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

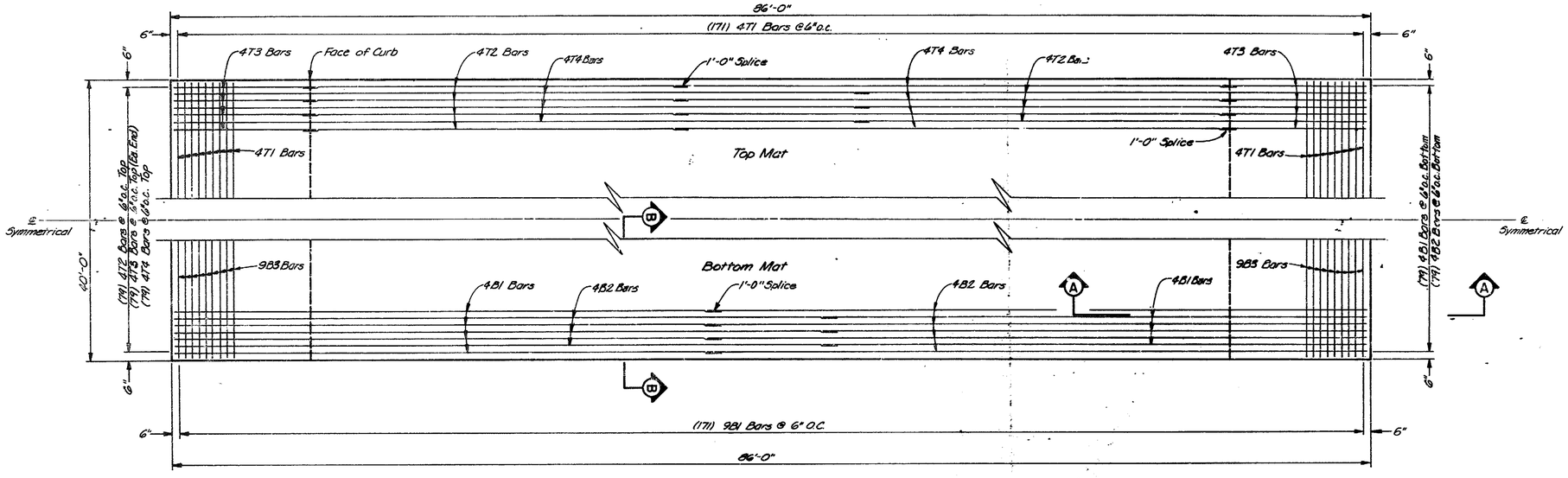
ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

TITLE: NORTH LA CUEVA CHANNEL
JEFFERSON BRIDGE
BRIDGE PLAN

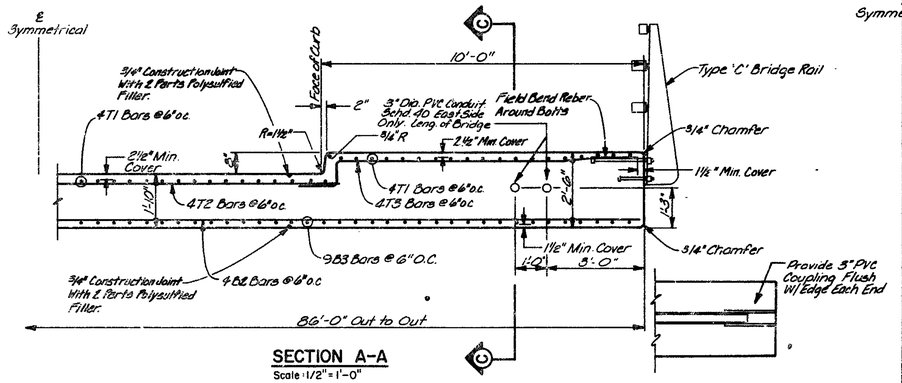
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	N.A.	5/15/86
A.C.E.-Design			Traffic		5/16/86
A.C.E.-Hydrology			Water	N.A.	5/15/86

DRAWING NO. 2455 — MAP NO. — SHEET 28 OF 71

DRAWING 44-132 30163

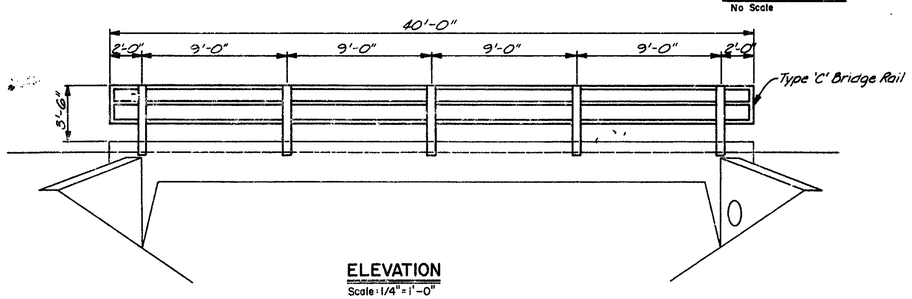


DECK PLAN
Scale: 1/4" = 1'-0"

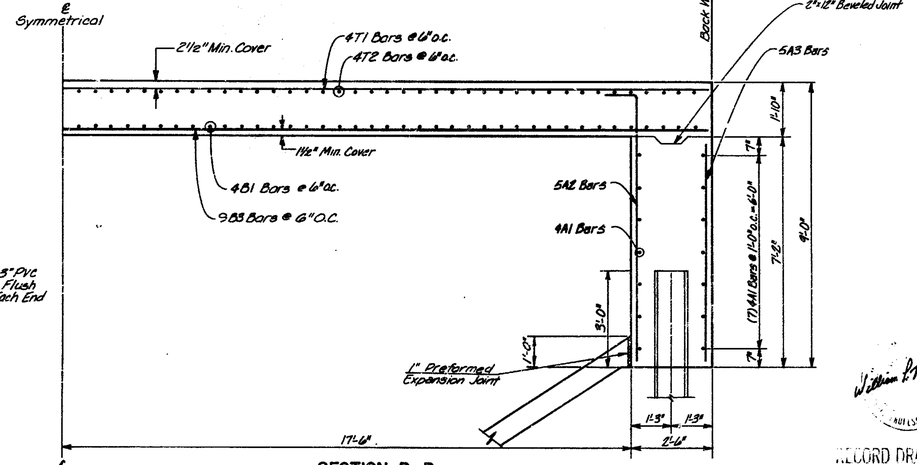


SECTION A-A
Scale: 1/2" = 1'-0"

SECTION C-C
No Scale



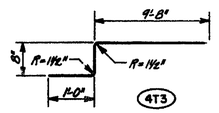
ELEVATION
Scale: 1/4" = 1'-0"



SECTION B-B
Scale: 1/2" = 1'-0"

REBAR SCHEDULE			
BAR	SIZE	LENGTH	NO. REQ'D
4T1	4	34'-4"	171
4T2	4	28'-0"	79
4T3	4	10'-3"	158
4T4	4	40'-0"	79
4B1	4	46'-8"	79
4B2	4	40'-0"	79
983	9	34'-9"	171

Epoxy Coated



RECORD DRAWINGS
DATE 11/26/86

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

AS-BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
INSPECTORS
FIELD CHANGE BY DATE
VERIFICATIONS BY DATE
CORRECTED BY DATE

BENCH MARKS

SURVEY INFORMATION
NO. | BY

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
WILLIAM L. FRANCIS 7284 REGISTERED PROFESSIONAL ENGINEER 5-15-87

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY DLW	DATE 5-85
		DRAWN BY RL	DATE 5-85
		CHECKED BY MDL	DATE 5-85

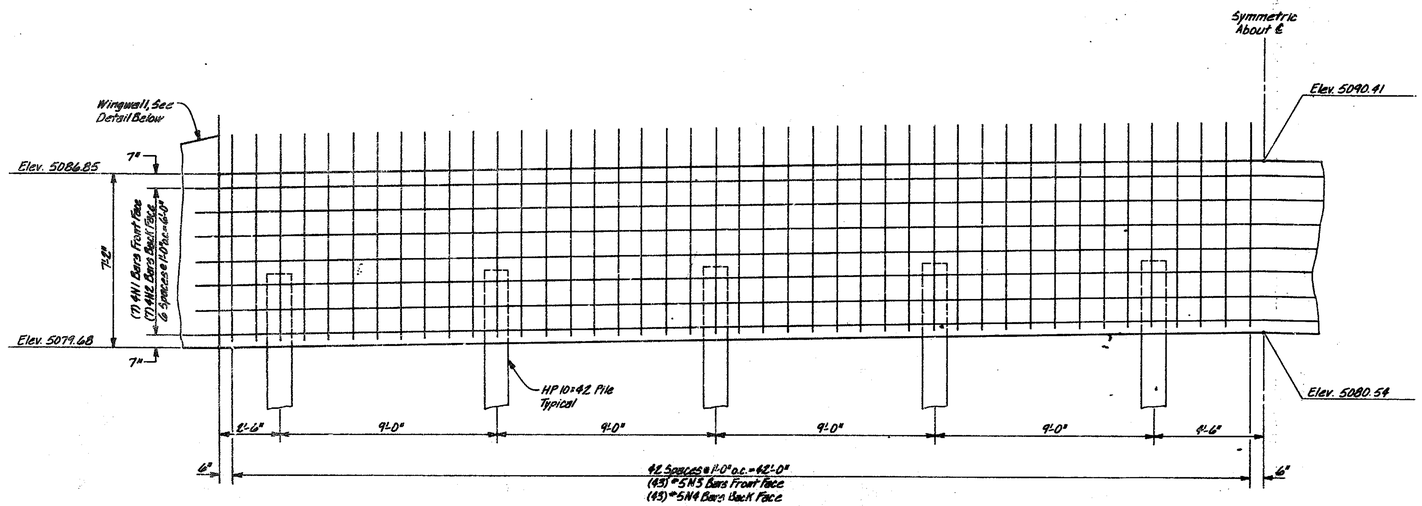
ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

TITLE: NORTH LA CUEVA CHANNEL
JEFFERSON BRIDGE
DECK PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	N.A.	5/13/86
A.C.E.-Design			Traffic		5/14/86
A.C.E.-Hydrology		5/14/86	Water	N.A.	5/13/86

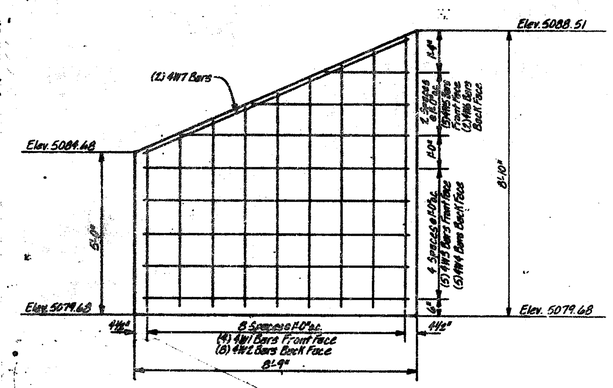
DRAWING NO. 2455 | MAP NO. | SHEET 29 OF 71

BRUNING 44-132 78563



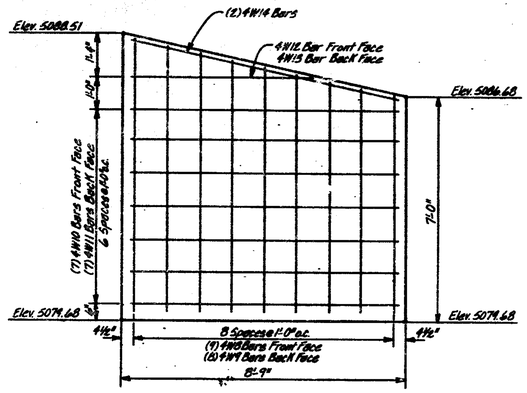
HALF ELEVATION AT NORTH ABUTMENT

Scale: 3/8"=1'-0" (FRONT FACE STEEL SHOWN) (LOOKING NORTH)



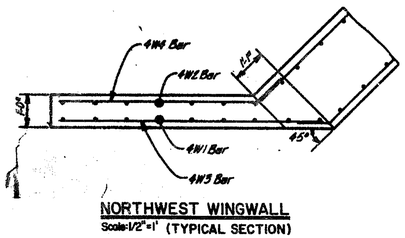
NORTHWEST WINGWALL

Scale: 1/2"=1'-0"



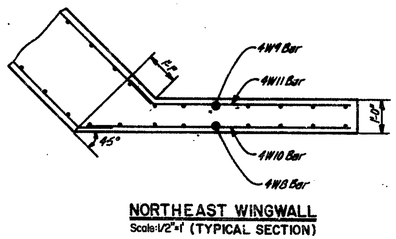
NORTHEAST WINGWALL

Scale: 1/2"=1'-0"



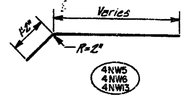
NORTHWEST WINGWALL

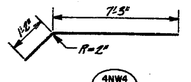
Scale: 1/2"=1' (TYPICAL SECTION)

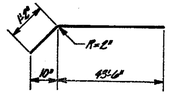


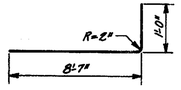
NORTHEAST WINGWALL

Scale: 1/2"=1' (TYPICAL SECTION)









BAR BENDING DETAILS

No Scale

REBAR SCHEDULE

BAR	SIZE	LENGTH	NO. REQ'D
4N1	4	44'-8"	13
4N2	4	44'-0"	14
5N3	5	9'-7"	86
5N4	5	6'-10"	86
4NW1	4	4'-10" to 8'-4"	9
4NW2	4	4'-10" to 7'-10"	8
4NW3	4	8'-5"	5
4NW4	4	7'-2"	5
4NW5	4	2'-6" to 7'-0"	3
4NW6	4	3'-8" to 5'-10"	2
4NW7	4	9'-0"	2
4NW8	4	6'-9" to 8'-5"	9
4NW9	4	6'-9" to 8'-3"	8
4NW10	4	8'-5"	7
4NW11	4	7'-2"	7
4NW12	4	5'-3"	1
4NW13	4	4'-0"	1
4NW14	4	8'-5"	2

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

11/24/96

FILMED

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY | DATE
INSPECTORS | DATE
AS-BUILTED BY | DATE
FIELD VERIFICATION BY | DATE
CORRECTED BY | DATE
MICRO-FILM INFORMATION
RECORDED BY | DATE
NO

ENGINEER'S SEAL

REVISIONS
NO. | DATE | REMARKS | BY

DESIGNED BY DLW DATE 5-85
DRAWN BY RL DATE 5-85
CHECKED BY MDL DATE 5-85

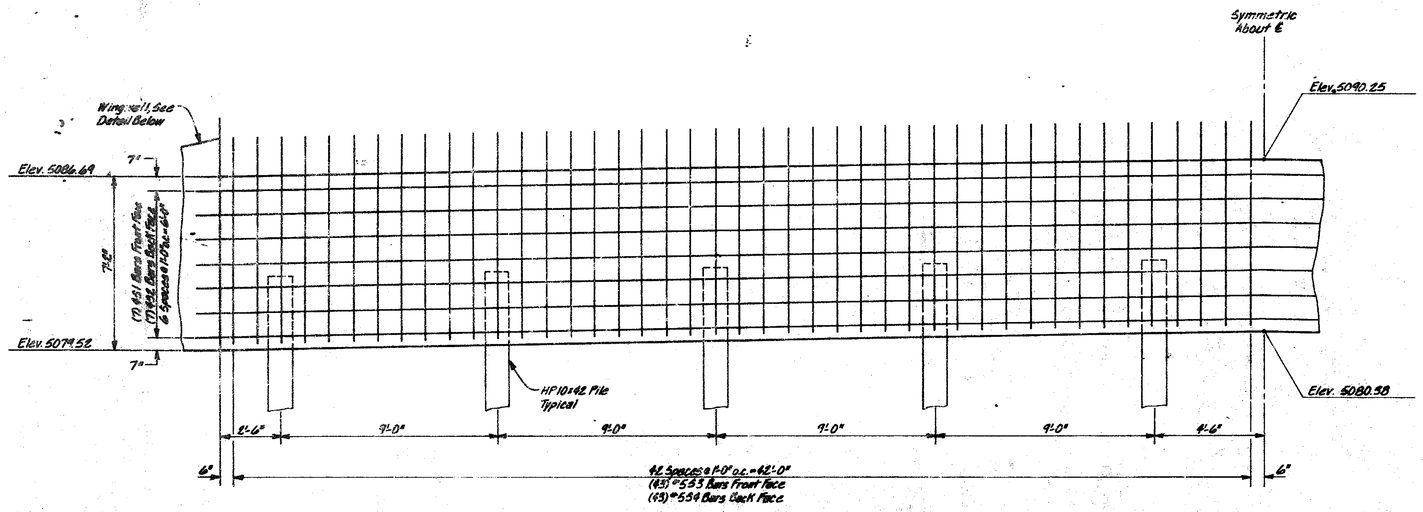
ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

TITLE: NORTH LA CUEVA CHANNEL
JEFFERSON BRIDGE
NORTH ABUTMENT DETAILS

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

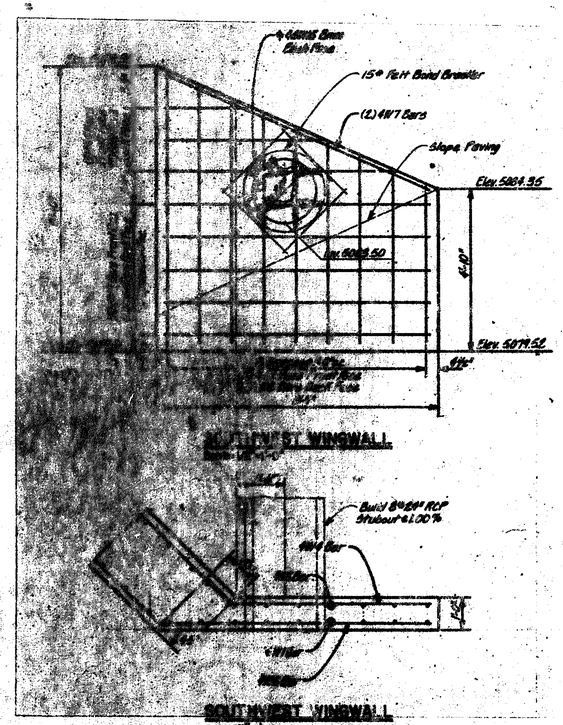
DRAWING NO. 2455 | MAP NO. | SHEET 30 OF 71

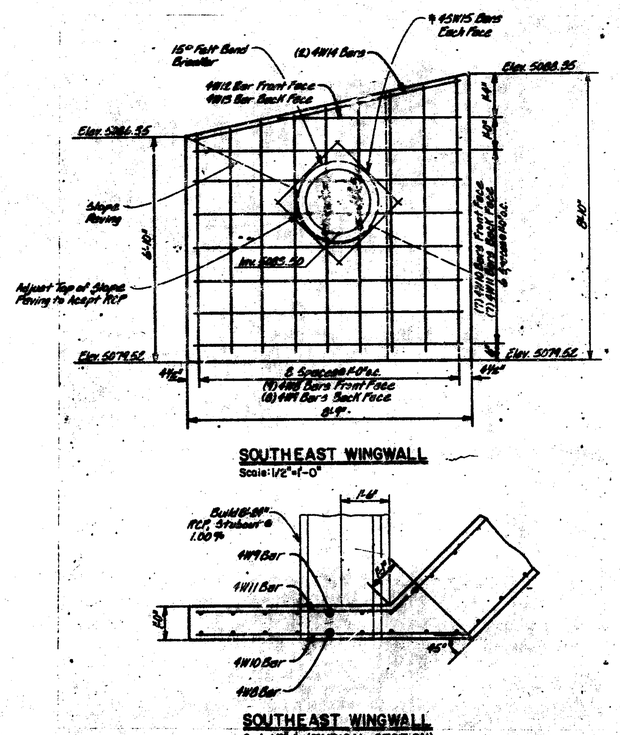
BRUNING 44-132 6228

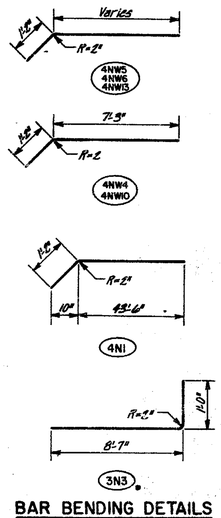


HALF ELEVATION AT SOUTH ABUTMENT

Scale: 3/8"=1'-0" (FRONT FACE STEEL SHOWN) (LOOKING SOUTH)







BAR BENDING DETAILS

No Scale

REBAR SCHEDULE

BAR	SIZE	LENGTH	NO. REQ'D
451	4	44'-8"	14
452	4	44'-0"	14
553	5	9'-7"	86
554	5	11'-10"	86
45W1	4	1'-8" to 8'-4"	9
45W2	4	1'-8" to 7'-10"	8
45W3	4	8'-5"	5
45W4	4	7'-2"	5
45W5	4	2'-6" to 7'-0"	3
45W6	4	5'-8 to 5'-10"	2
45W7	4	9'-0"	2
45W8	4	6'-7" to 8'-5"	9
45W9	4	6'-7" to 8'-3"	8
45W10	4	8'-5"	7
45W11	4	7'-2"	7
45W12	4	5'-3"	1
45W13	4	6'-0"	1
45W14	4	8'-5"	2

#45W15 Bars 4 Each Face, 8 Per Wingwall
Length = 2'-10"

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY — DATE
INSPECTOR'S ACCEPTANCE BY — DATE
FIELD 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
NEW MEXICO 1937 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS REVISIONS DESIGN	BY	DATE
		DESIGNED BY	DLW	5-85
		DRAWN BY	RL	5-85
		CHECKED BY	MDL	5-85

ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

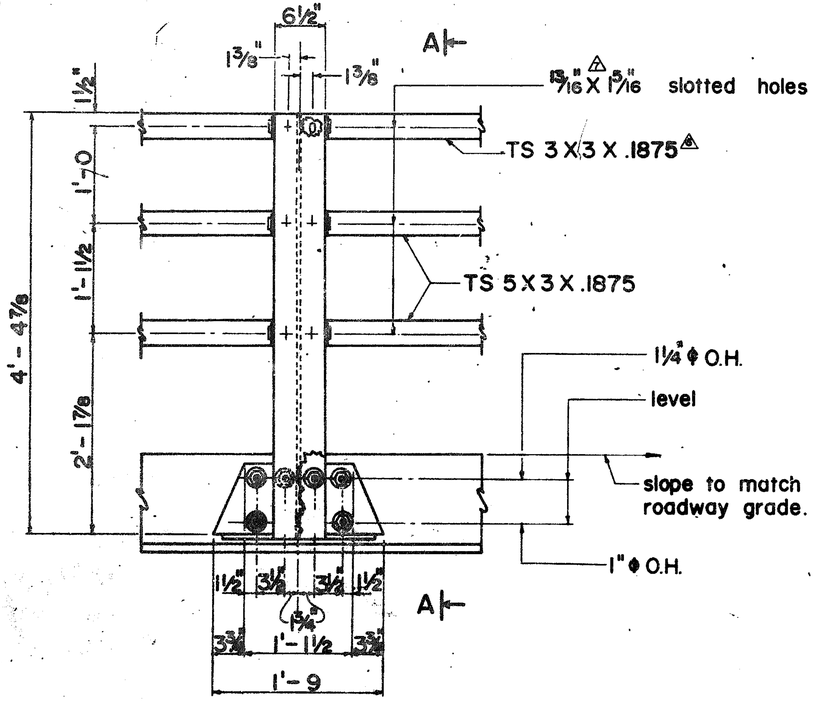
TITLE: NORTH LA CUEVA CHANNEL
JEFFERSON BRIDGE
SOUTH ABUTMENT DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	N/A	5/15/85
A.C.E.; Design			Traffic	N/A	5/15/85
A.C.E.-Hydrology			Water	N/A	5/15/85

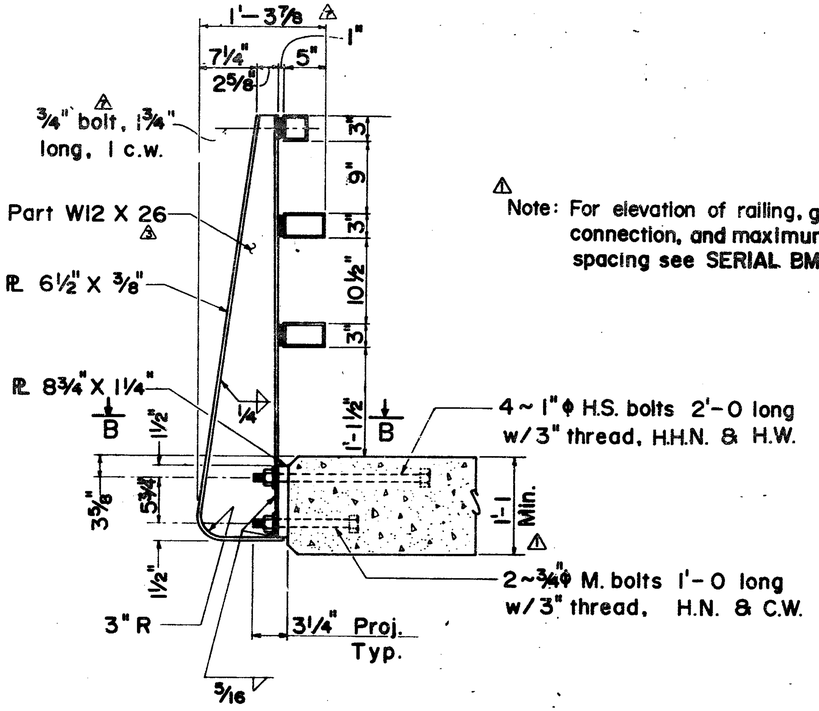
DRAWING NO. 2455 — MAP NO. — SHEET 31 OF 71

11/24/86

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



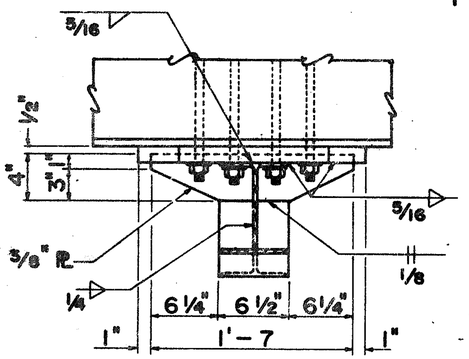
ELEVATION



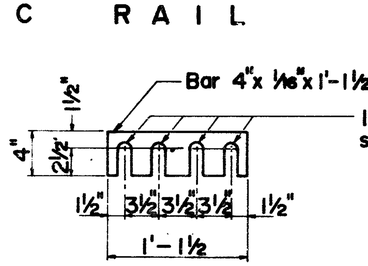
SECTION A-A

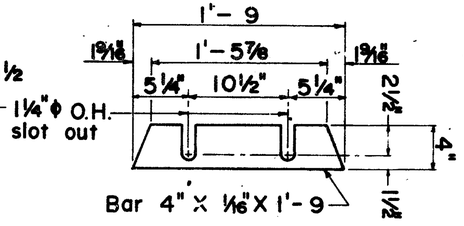
TYPE C RAIL

Note: For elevation of railing, guard rail connection, and maximum post spacing see SERIAL BMR-003 ⚠



SECTION B-B





Serial BMR-001 must accompany this sheet. ⚠

POST SHIMS

Required: One of each per post, ⚠ where necessary to achieve vertical and longitudinal alignment.

IDENT. NO.	DESCRIPTION	DATE	BY
	REVISIONS (OR CHANGE NOTICES)		
⚠	UPDATE TUBE SIZE	3-16-81	E.R.D.
⚠	ADDED CROSS REFERENCE	2-4-80	E.R.D.
⚠	CHANGED SERIAL DESIGNATION	10-26-79	E.R.D.
⚠	UPDATE POST SIZES	7-12-78	J.A.H.
⚠	CHANGED SHEET NUMBER	6-16-78	J.A.H.
⚠	REVISE NOTE & DIMENSIONS	3-16-81	E.R.D.

NEW MEXICO STATE HIGHWAY DEPARTMENT

METAL BRIDGE RAILING TYPE C

DESIGNED BY C.P.J.
DRAWN BY G.V.
CHECKED BY M.G.

APPROVAL
RECOMMENDED H. Taclan BRIDGE ENGINEER 2-16-76 DATE
APPROVED Roy Cagle ENGINEER OF DESIGN 3-5-76 DATE

⚠ SERIAL BMR-004-07

WILLIAM L. VREELAND — REGISTERED PROFESSIONAL ENGINEER

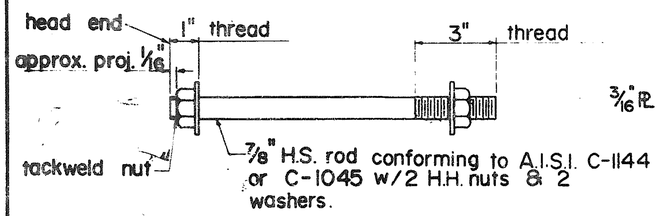
RECORD DRAWINGS DATE 11/26/96

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

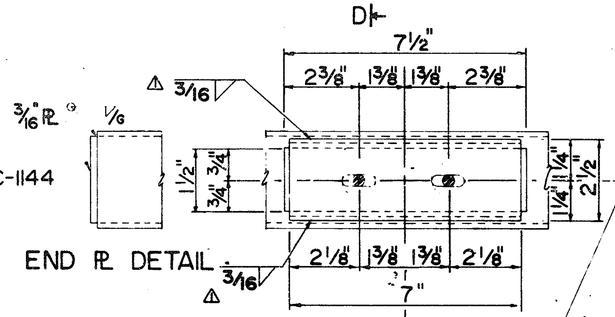
NORTH & SOUTH LA CUEVA CHANNEL

D C B A

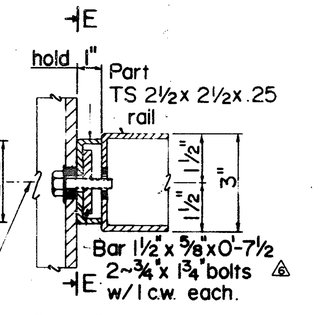
CITY OF ALBUQUERQUE C



ALTERNATE POST ANCHOR BOLT DETAIL
(TYPE A & B RAIL)



END PL DETAIL



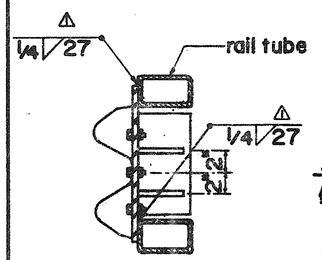
SECTION E-E

℄ 13/16" x 15/16" horiz. slotted hole in part TS 2 1/2 x 2 1/2 x .25. Tap 3/4"-10 NC in bar 1 1/2" x 5/8". 15/16" O.H. in rail & 13/16" x 15/16" vertical slotted hole in post.

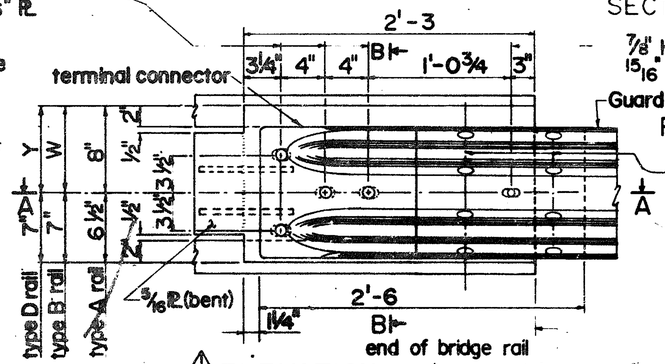
7/8" H.S. Bolt Galvanized, 15/16" O.H. in 5/16" PL.

SECTION D-D

RAIL TO POST CONNECTION



SECTION B-B

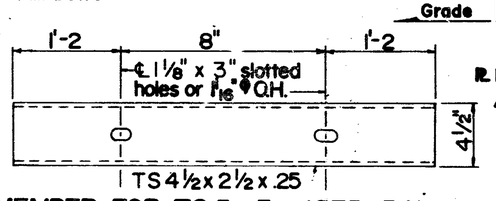


ELEVATION

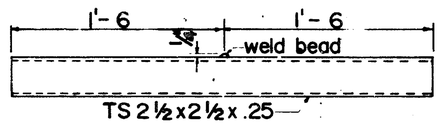
Y = $H_1 - H_2 + (1'-3\frac{1}{2})$
W = $H_1 - H_2 + (1'-2)$

See sheet 3 for dimensions H_1 & H_2

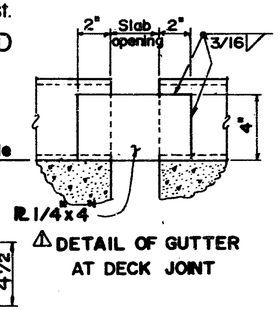
Note: Lap guard rail and terminal connector so that the projecting edge faces away from approaching traffic.



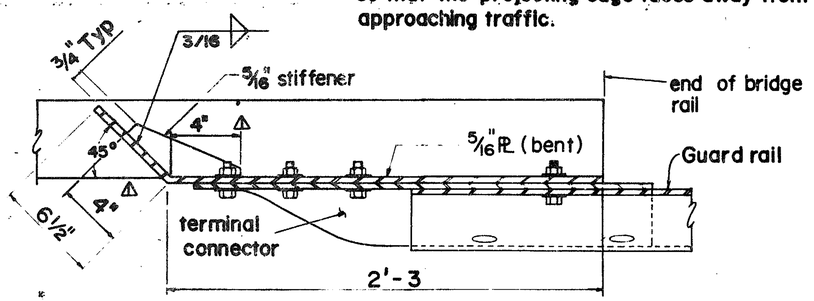
SPLICE MEMBER FOR TS 5 x 3 x .1875 RAIL



SPLICE MEMBER FOR TS 3 x 3 x .1875 RAIL

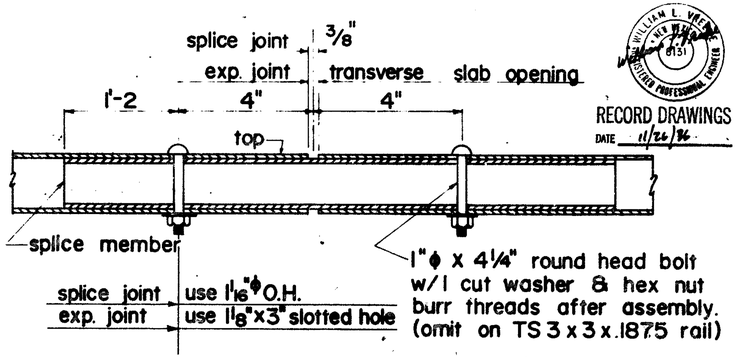


DETAIL OF GUTTER AT DECK JOINT



SECTION A - A

GUARD RAIL CONNECTION DETAILS



RAIL JOINT DETAIL

GENERAL NOTES

1. Design in accordance with 1977 AASHTO Specifications.
2. All rails to be parallel to grade unless otherwise shown.
3. See structure details for post spacing and other details not shown.
4. Details shown are for steel only. A steel or aluminum bridge railing of an alternate design may be substituted for the railing shown on these sheets provided the alternate design is approved by the Engineer before fabrication.
5. Steel rail tubes shall conform to the requirements of ASTM designation A500 or A501. Post spacing shown on the plans is based on the use of TS5x3x.1875 conforming to the requirements of ASTM designation A500 grade B. If the contractor elects to use tubes of another grade, the post spacing shown on the plans will be revised by the Bridge Design Section.
6. Metal bridge railing will be paid for at the unit price per foot.
7. Terminal connector shall be AASHTO-ARBA STD HM-TF 13/RE-8, shall conform to AASHTO Specification M-180 be galvanized and of class B sheet thickness.
8. Caulking compound used under gutter channels and rail post base plates shall be a single component cold applied, non sagging compound having either a silicone rubber base or a synthetic rubber base of the chemically curing type and shall conform to the requirements of Federal Specifications TT-S-001543A or TT-S-230C.

RECORD DRAWINGS
DATE 11/22/96

IDENT NO.	DESCRIPTION	DATE	BY
	REVISIONS (OR CHANGE NOTICES)		
4	STRENGTHENED RAIL-POST CONNECTION	2-6-80	E.R.D.
3	CHANGED SERIAL DESIGNATION	10-26-79	E.R.D.
2	CHANGED SPLICE JOINT DETAIL	1-26-79	J.D.G.
1	CHANGED SHEET NUMBER	6-16-78	J.A.H.
	ADDED GENERAL NOTE NO. 8	10-25-82	E.R.D.
	UPDATE 3/4" THREAD	3-13-91	E.R.D.

NEW MEXICO
STATE HIGHWAY DEPARTMENT

METAL BRIDGE RAILING
GENERAL NOTES & TYPICAL DETAILS

DESIGNED BY C.R.	APPROVAL	2-10-76
DRAWN BY G.V.	RECOMMENDED BRIDGE ENGINEER	DATE
CHECKED BY M.G.	APPROVED ENGINEER OF DESIGN	3-7-76 DATE

SERIAL BMR-001-08

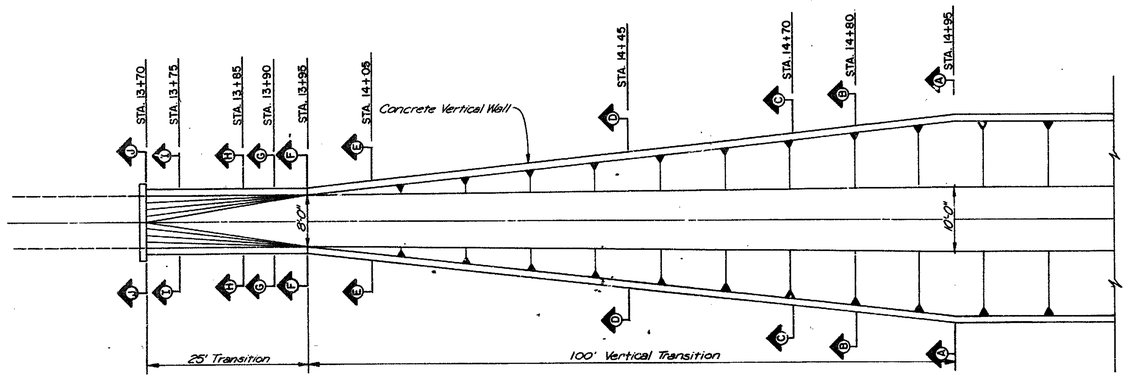
NORTH & SOUTH LA CUEVA CHANNEL

Sheet 33 of 71

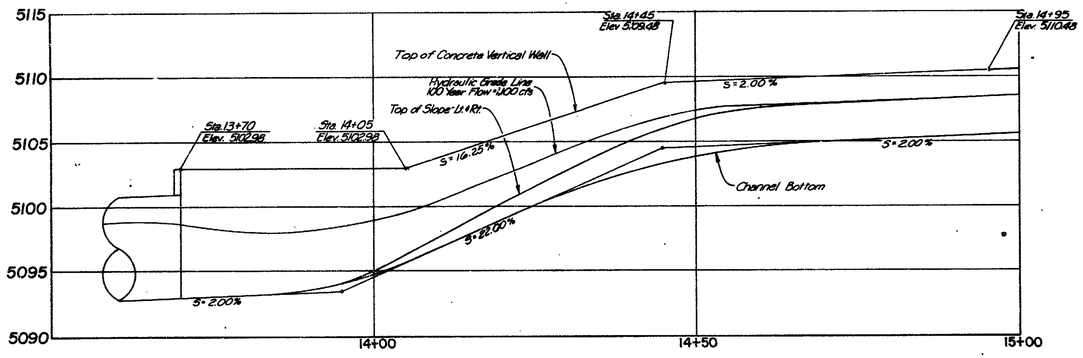
D 24 C 20 B 16 A 12

CITY OF ALBUQUERQUE

C



UNDERGROUND CONDUIT INLET TRANSITION
PLAN VIEW SCALE : 1"= 10'-0"



UNDERGROUND CONDUIT INLET TRANSITION
PROFILE SCALE: 1"= 10' HORIZ.
1"= 5' VERT.

Notes:
1. South La Cueva Channel Sta. 13+70 to 32+19.55 (including inlet transition) shall be tinted concrete, see specifications.

AS BUILT INFORMATION
CONTRACTOR — DATE
STAKED BY
INSPECTIONS BY — DATE
FIELD — DATE
VERIFICATION BY
DATABASE — DATE
SURVEYED BY
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

RECORD DRAWINGS
DATE 11/24/96

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY H.C.S., M.H.D., D.L.W. DATE 5-85
DRAWN BY N.A.W., R.L. DATE 5-85
CHECKED BY M.D.L. DATE 5-85

SCALE: AS SHOWN

ALBUQUERQUE METROPOLITAN
ARROYO FLOOD CONTROL
AUTHORITY

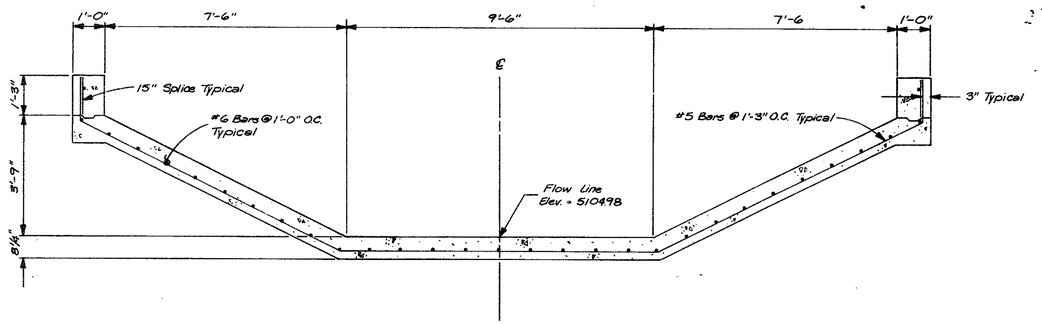
TITLE: UNDERGROUND CONDUIT INLET PLAN & PROFILE
N. & S. LA CUEVA CHANNEL PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		5/15/85	Liquid Waste	NA 3408	5/15/85
A.C.E.-Design		5/15/85	Traffic	not required	Under
A.C.E.-Hydrology		5/15/85	Water	NA 3408	5/15/85

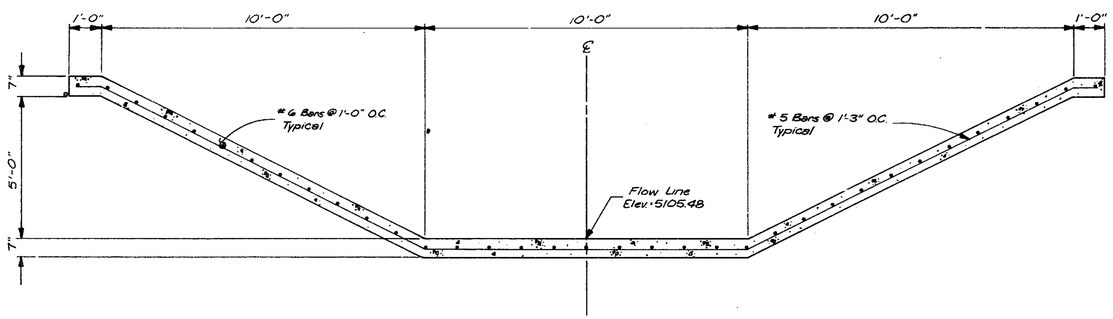
DRAWING NO. 2455 MAP NO. SHEET 34 OF 71

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

BRUNING 44-132 62236



SECTION B-B STA. 14+70



SECTION A-A STA. 14+95

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY
INSPECTOR'S ACCEPTANCE BY
VERIFICATION BY
CORRECTED BY
DATE
DATE
DATE
DATE

MICRO-FILM INFORMATION
RECORDED BY
DATE
NO

ENGINEER'S SEAL

RECORD DRAWINGS
DATE 11/26/86

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

SCALE: 1/2" = 1'-0"

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY	DATE
		DRAWN BY	DATE
		CHECKED BY	DATE

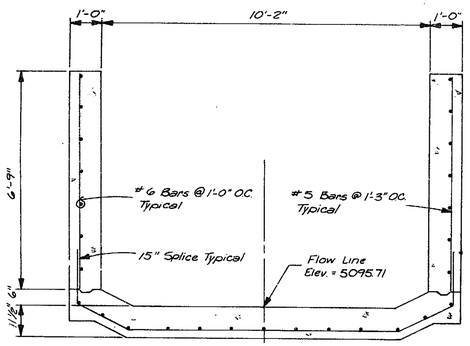
CITY OF ALBUQUERQUE
ALBUQ. METRO. ARROYO FLOOD CONTROL AUTHORITY

TITLE: UNDERGROUND CONDUIT INLET TRANSITION SECTIONS
N. & S. LA CUEVA CHANNEL PROJECT

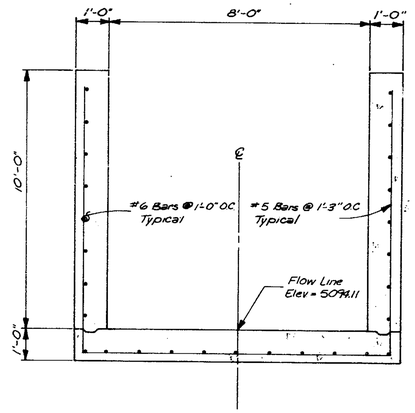
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	NA	5/15/85
A C E - Design			Traffic	NA	5/15/85
A C E - Hydro		5/17/85	Water	NA	5/15/85

DRAWING NO. 2455 | MAP NO. | SHEET 35 OF 71

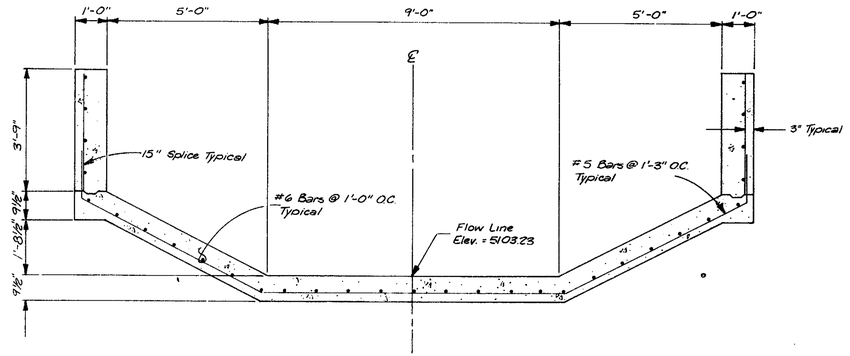
BRUNING 44-132 62236



SECTION D-D STA. 14+05



SECTION E-E STA. 13+95



SECTION C-C STA. 14+45

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY — DATE
INSPECTORS ACCEPTANCE BY — DATE
FIELD 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

REVISIONS
NO. | DATE | REMARKS | BY
DESIGN — DATE
DESIGNED BY — DATE
DRAWN BY — DATE
CHECKED BY

RECORD DRAWINGS
11/24/86

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

SCALE: 1/2" = 1'-0"

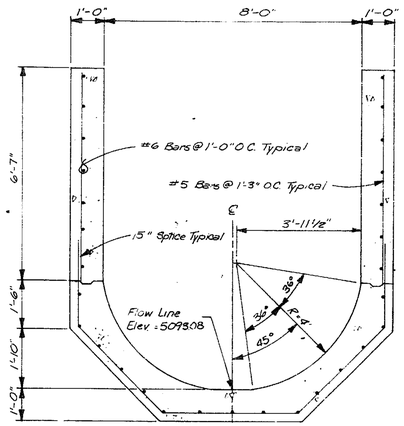
CITY OF ALBUQUERQUE
ALBUQ. METRO. ARROYO FLOOD CONTROL AUTHORITY

TITLE: UNDERGROUND CONDUIT INLET TRANSITION SECTIONS
N. & S. LA CUEVA CHANNEL PROJECT

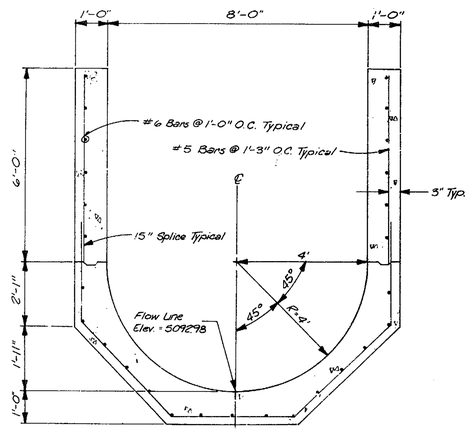
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[illegible]	5/15/85	Liquid Waste	NA 2nd B	5/15/85
A C E - Design	[illegible]	5/15/85	Traffic	[illegible]	5/15/85
A C E - Hydrology	[illegible]	5/15/85	Water	NA 2nd B	5/15/85

DRAWING NO. 2455 | MAP NO. | SHEET 36 OF 71

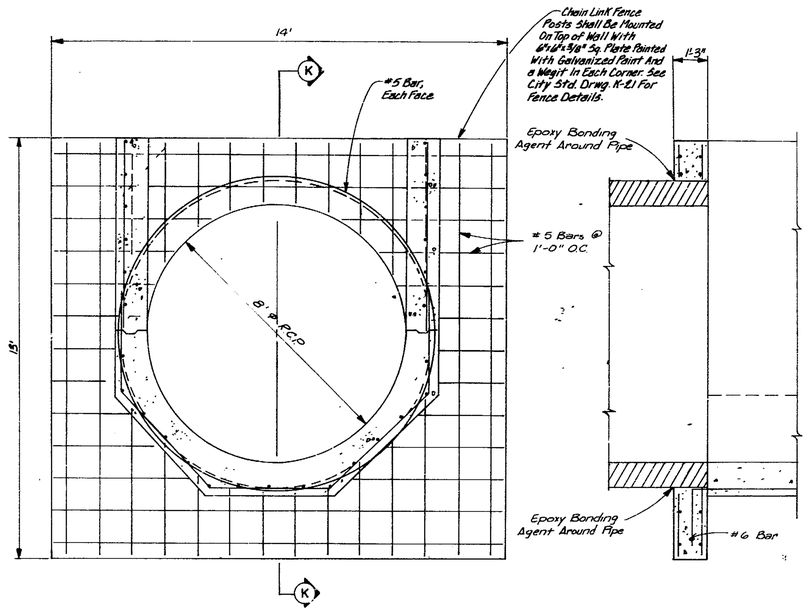
BRUNING 44 132 62536



SECTION I-I STA. 13+75

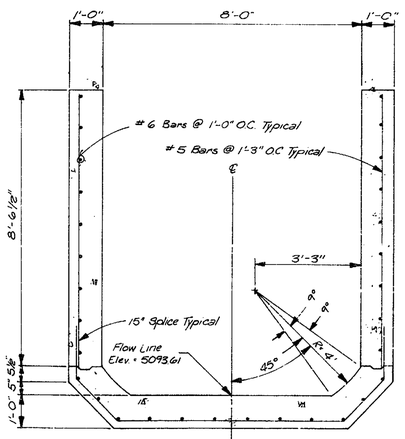


SECTION J-J STA. 13+70

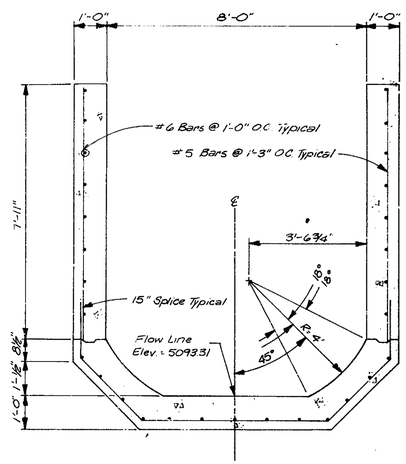


HEADWALL DETAIL

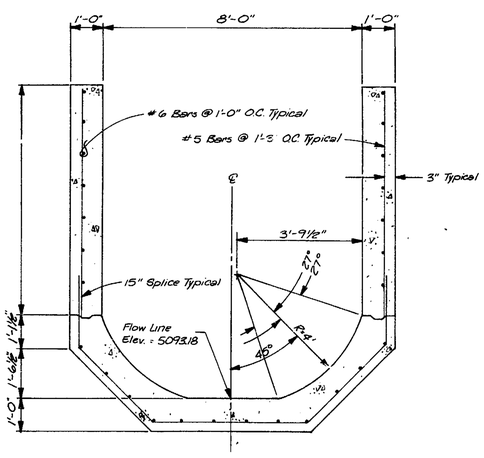
SECTION K-K



SECTION F-F STA. 13+90



SECTION G-G STA. 13+85



SECTION H-H STA. 13+80

RECORD DRAWINGS
DATE 11/26/86

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

SCALE: 1/2"=1'-0"

CITY OF ALBUQUERQUE
ALBUQ. METRO. ARROYO FLOOD CONTROL AUTHORITY

TITLE: UNDERGROUND CONDUIT INLET TRANSITION SECTIONS
N. & S. LA CUEVA CHANNEL. PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	NA	7-15-85
A C E - Design			Traffic	NA	6/14/85
A C E - Hydrol		7/19/85	Water	NA	7-15-85

DRAWING NO. 2455 | MAP NO. | SHEET 37 OF 71

SURVEY INFORMATION
FIELD NOTES BY DATE
NO.

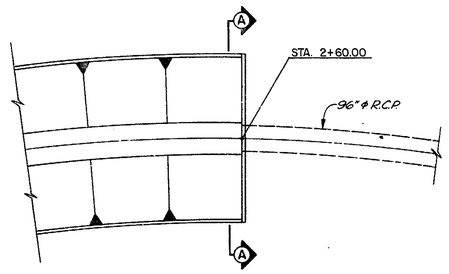
BENCH MARKS

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
INSPECTORS
ACCEPTANCE BY DATE
VERIFICATION BY
RECORDED BY DATE
CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

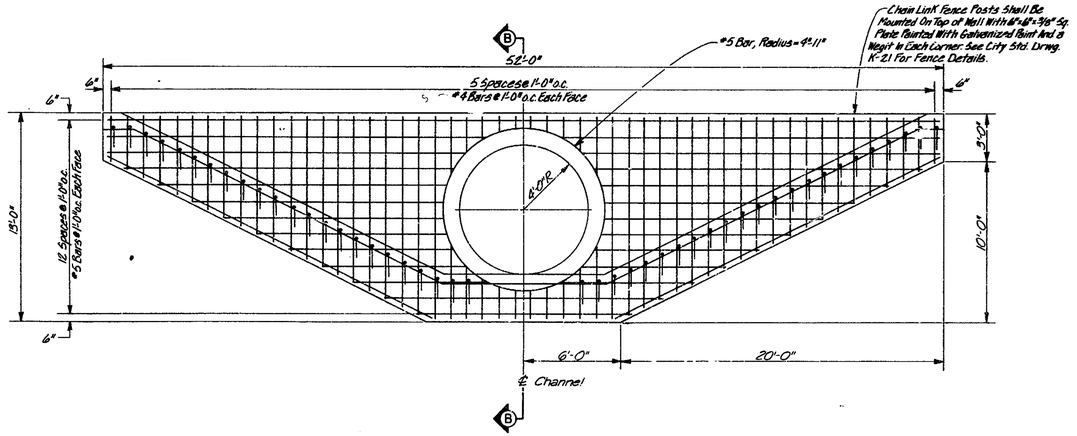
ENGINEER'S SEAL

REMARKS
REVISIONS
NO. DATE BY
DESIGNED BY DATE
DRAWN BY DATE
CHECKED BY DATE

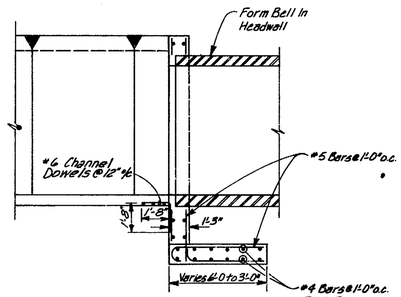
BRUNING 44 132 62236



SOUTH LA CUEVA NORTHWEST HEADWALL
PLAN VIEW SCALE: 1"= 20'



SECTION A-A
SCALE: 1/4"= 1'-0"



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

BRUNING 44-132 62236

ENGINEER'S SEAL

5-15-85

William P. Wade

11/24/76

NO.	DATE	REVISIONS	BY
		DESIGN	
		REMARKS	
		DESIGNED BY H.C.S., M.H.D., D.L.W.	DATE 5-85
		DRAWN BY N.A.W., R.L.	DATE 5-85
		CHECKED BY M.D.L.	DATE 5-85

1 2 3 4 5 6 7 8 9 10 11 12
26 24553886

SCALE: AS SHOWN

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED
WORK COMPLETED
ACCEPTANCE BY
DATE
VERIFICATION BY
DATE
DOMICILED BY
MICRO-FILM INFORMATION
RECORDED BY
DATE
WO

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

TITLE: UNDERGROUND CONDUIT OUTLET-HEADWALL DETAILS
N. & S. LA CUEVA CHANNEL PROJECT

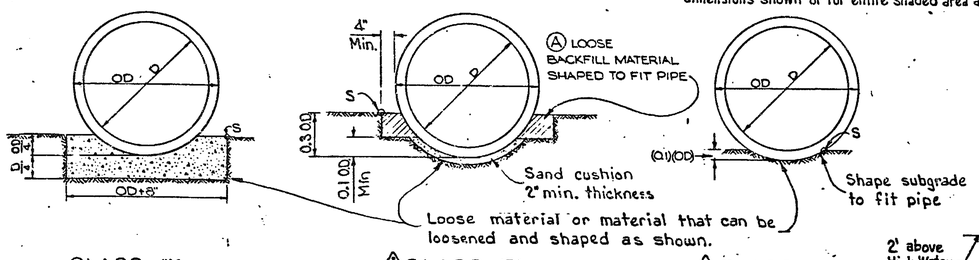
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		5/16/85	Liquid Waste		
A C E - Design		5/16/85	Traffic	N.A. 2-2	5/11/85
A C E - Hydrology		5/16/85	Water		

DRAWING NO. 2455 | MAP NO. | SHEET 38 OF 71

FHWA Region No. 6 | STATE NEW MEXICO | SHEET NO. | TOTAL SHEETS

S = SUBGRADE OF STRUCTURE

Impervious material at inlet may be placed to dotted line for min. dimensions shown or for entire shaded area at contractors option.



CLASS "A"

CLASS "A" BEDDING SHALL CONSIST OF A CONTINUOUS CONCRETE CRADLE AND SHALL BE USED ONLY WHEN SHOWN ON THE PLANS.

VOLUME OF CRADLE
$0.0156\,D^2+0.0163\,D+0.0011$ = CU.YDS/FT.
D IS IN FEET.

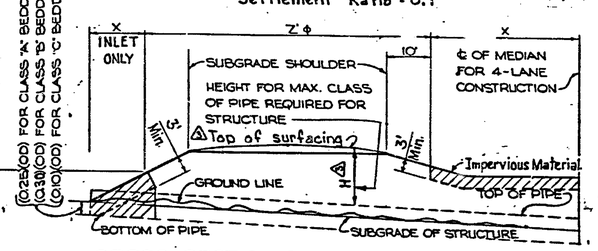
CLASS "B"

See detail below for bedding in rock or other incompressible foundation.

CLASS "C"

DESIGN DATA

Design according to U.S.P.R.R. Circular Memorandum dated April 4, 1957 and A.A.S.H.T.O. Spec. M-170.
Weight of fill material = 120 lbs./ft.³
Factor of safety = 1.33 applied to ultimate 3 edge bearing load.
Settlement Ratio = 0.7



CROSS SECTION OF ROADWAY EMBANKMENT

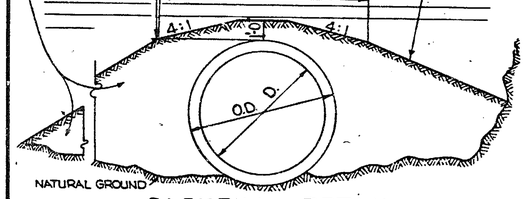
Z - BACKFILL MATERIAL REQUIRED
X - IMPERVIOUS MAT'L. IF REQD BY PLANS

Φ BACKFILL MATERIAL SHALL NOT BE PLACED WITHIN 3' OF THE INTERSECTION OF THE PIPE AND THE ROADWAY SLOPE.

NOTE: "p" is the ratio of the pipe projection above natural ground to the outside diam. of the pipe.
When natural ground is at the top of the pipe, p=0.
" " " " " bolt. " " " , p=1.0.
" " " " above the top of pipe the installation is full or partial trench condition.

GENERAL NOTES

1. WORKMANSHIP AND MATERIALS SHALL CONFORM TO N.M.S.H. DEPT. SPECIFICATIONS.
2. CONCRETE PIPE SHALL CONFORM TO ALL REQUIREMENTS OF AASHO SPECIFICATION M-170
3. THE MINIMUM HEIGHT OF FILL BETWEEN TOP OF PIPE AND FINISHED GRADE OF THE ROADWAY SHALL BE 1.75 FT. FOR UNPAVED AND BITUMINOUS PAVED ROADS AND 1.25 FT. FOR CONCRETE PAVED ROADS.
4. SAND CUSHION FOR CLASS "B" BEDDING TO BE INCLUDED IN THE UNIT PRICE BID FOR CONCRETE PIPE.
5. SUITABLE MATERIAL FOR STABILIZING THE CULVERT FOUNDATION SHALL CONSIST OF MATERIAL APPROVED BY THE ENGINEER. THE MATERIAL MAY BE OBTAINED FROM THE ROADWAY OR STRUCTURE EXCAVATION OR FROM BORROW, AS DIRECTED BY THE ENGINEER. THE DEPTH OF SUCH MATERIAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD AFTER EXAMINATION OF THE NATURAL FOUNDATION MATERIAL, CONSIDERING THE DIAMETER OF THE PIPE AND HEIGHT OF COVER.
6. FOR MULTIPLE INSTALLATIONS, PIPES SHALL BE SPACED TO PROVIDE TWO FEET CLEAR DISTANCE BETWEEN END SECTIONS, SEE SERIAL ES-1. WHERE SERIAL ES-1 DOES NOT LIST END SECTIONS FOR THE SIZE OF PIPE TO BE USED, THE CENTER TO CENTER SPACING OF PIPES SHALL BE THE OUTSIDE DIAMETER PLUS THREE FEET.
7. EXISTING GROUND UNDER PIPE BEDDING SHALL BE BROKEN UP & COMPACTED TO TO A MINIMUM DEPTH OF 6 INCHES REGARDLESS OF FILL HEIGHT. COMPACTION SHALL BE 95% OF MAXIMUM DENSITY BY AASHTO T99.
8. BACKFILL MATERIAL SHALL CONFORM TO SPECIAL PROVISION MODIFYING SECTION 206.

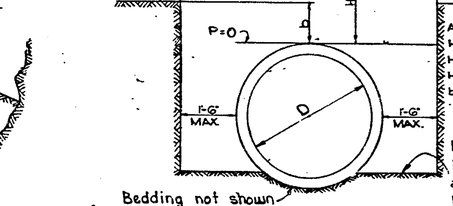


BACKFILL DETAIL

BACKFILL REQUIREMENTS SHOWN ABOVE SHALL NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR OF HIS OBLIGATIONS REGARDING DAMAGE TO CULVERT PIPE.
H = FILL HEIGHT ABOVE TOP OF PIPE.

4:1 for D less than 3'
3:1 for D = 3' to 4'-1" inclusive.
2:1 for D larger than 4'-1"

LOOSE BACKFILL MATERIAL ROUGHLY SHAPED TO FIT BOTTOM OF PIPE AND THEN COMPACTED AT HAUNCHES AND SIDES OF PIPE.

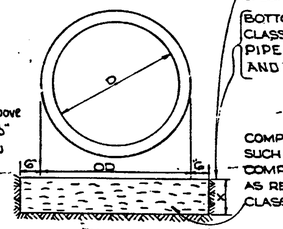


FORMULA
ALLOWABLE FILL = $H_o - \frac{b}{H}(H_o - H_t)$
H_o = H FOR P=0
H_t = H FOR TRENCH COND.
H = FILL OVER PIPE
b = DISTANCE FROM TOP OF PIPE TO NATURAL GROUND

Bottom of trench 0.1 O.D. above bottom of pipe for Class "B" and "C" Bedding and 6" below bottom of pipe for Class "A".

Bedding not shown

METHOD OF INTERPOLATION FOR ALLOWABLE FILL WHEN NATURAL GROUND LIES BETWEEN TOP OF PIPE AND TOP OF EMBANKMENT (PARTIAL TRENCH CONDITION)



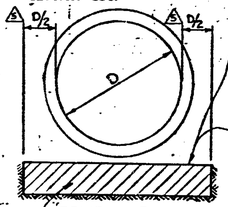
X = ½ PER FT. OF "H" FOR CLASS A, B & C BEDDING. 6" MIN., (0.75)(D) MAX.

FOR DETAILS ABOVE THIS PLANE SEE SPECIFIED CLASS OF BEDDING.

BOTTOM OF CONCRETE CRADLE FOR CLASS "A" BEDDING. BOTTOM OF PIPE FOR CLASS "B" BEDDING AND CLASS "C" BEDDING.

COMPRESSIBLE EARTH CUSHION SUCH AS SILTY CLAY OR LOAM, COMPACT LIGHTLY AND SHAPE AS REQUIRED FOR THE SPECIFIED CLASS OF BEDDING.

ADDITIONAL CUSHION FOR ROCK OR OTHER INCOMPRESSIBLE FOUNDATION



FOUNDATION STABILIZATION

UNSUITABLE FOUNDATION MATERIAL SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AND THE EXCAVATED AREA BACKFILLED AS SHOWN.

MAXIMUM HEIGHT OF FILL

INSIDE DIAMETER INCHES	CLASS II PIPE									CLASS III PIPE								
	CLASS "A" BEDDING			CLASS "B" BEDDING			CLASS "C" BEDDING			CLASS "A" BEDDING			CLASS "B" BEDDING			CLASS "C" BEDDING		
	P=0	P=1.0	TRENCH	P=0	P=0.7	TRENCH	P=0	P=0.9	TRENCH	P=0	P=1.0	TRENCH	P=0	P=0.7	TRENCH	P=0	P=0.9	TRENCH
18	24	19	24	16	13	16	13	11	13	32	25	32	22	18	22	18	15	18
24	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
30																		
36												↓						
42												32						
48												33						
54												33						
60												32						
66												32						
72												33						
78												34						
84												33						
90												33						
96												34						
102	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	33	↓	↓	↓	↓	↓	↓
108	24	19	24	16	13	16	13	11	13	32	25	34	22	18	22	18	15	18

INSIDE DIAMETER INCHES	CLASS IV PIPE									CLASS V PIPE									INSIDE DIAMETER INCHES
	CLASS "A" BEDDING			CLASS "B" BEDDING			CLASS "C" BEDDING			CLASS "A" BEDDING			CLASS "B" BEDDING			CLASS "C" BEDDING			
	P=0	P=1.0	TRENCH	P=0	P=0.7	TRENCH	P=0	P=0.9	TRENCH	P=0	P=1.0	TRENCH	P=0	P=0.7	TRENCH	P=0	P=0.9	TRENCH	
	47	38	56	32	25	32	27	21	27	55	45	110 Δ	37	30	37	32	26	32	18
	↓	↓	87	↓	↓	↓	↓	↓	↓	56	45	↓	38	30	39	32	↓	32	24
			90							57	47		39	31	47	33		33	30
			90							58	↓		39	31	51	↓		↓	36
			140							58			40	31	54				42
			110							58			↓	31	54				48
			110							58				32	51				54
			78			↓				59				32	51				60
			76			32				59	↓	↓	↓	32	51	↓	↓	↓	66
			76			34				59	47	110 Δ	40	32	50	33	26	33	72
	↓	↓	74	↓	↓	35	↓	↓	↓										
	47	38	68	32	25	34	27	21	27										

Δ FOR FILL HEIGHTS GREATER THAN 100' FOUNDATION MATERIAL SHALL BE INVESTIGATED FOR ITS BEARING CAPACITY.

NOTE: FOR PROJECTION RATIOS WHEN P IS GREATER THAN ZERO AND LESS THAN ONE, ALLOWABLE FILL MAY BE DETERMINED BY INTERPOLATION. WHEN NATURAL GROUND IS ABOVE TOP OF PIPE AND BELOW TOP OF EMBANKMENT, ALLOWABLE FILL HEIGHTS ARE COMPUTED FROM SKETCH AND FORMULA SHOWN ABOVE.

No.	DESCRIPTION	DATE	BY
	REVISIONS (OR CHANGE NOTICES)		
9	Rev. Note 7 & Backfill Note	9-8-76	RM
5	Minor corrections	6-11-75	RM
7	Miscellaneous revisions	6-25-74	RM
6	Minor revisions	11-6-73	RM
5	Revised Width of Subgrade Stabilization	11-22-71	W.L.D
4	ADDED NOTE #5	11-4-71	W.L.D
3	Changes marked Δ	10-20-71	W.L.D
2	NOTE #6	8-4-71	H.H.V.
1	REDRAWN	11-4-70	H.H.V.

NEW MEXICO STATE HIGHWAY DEPARTMENT

FILL HEIGHTS AND BEDDING DETAILS FOR CONCRETE PIPE CULVERTS

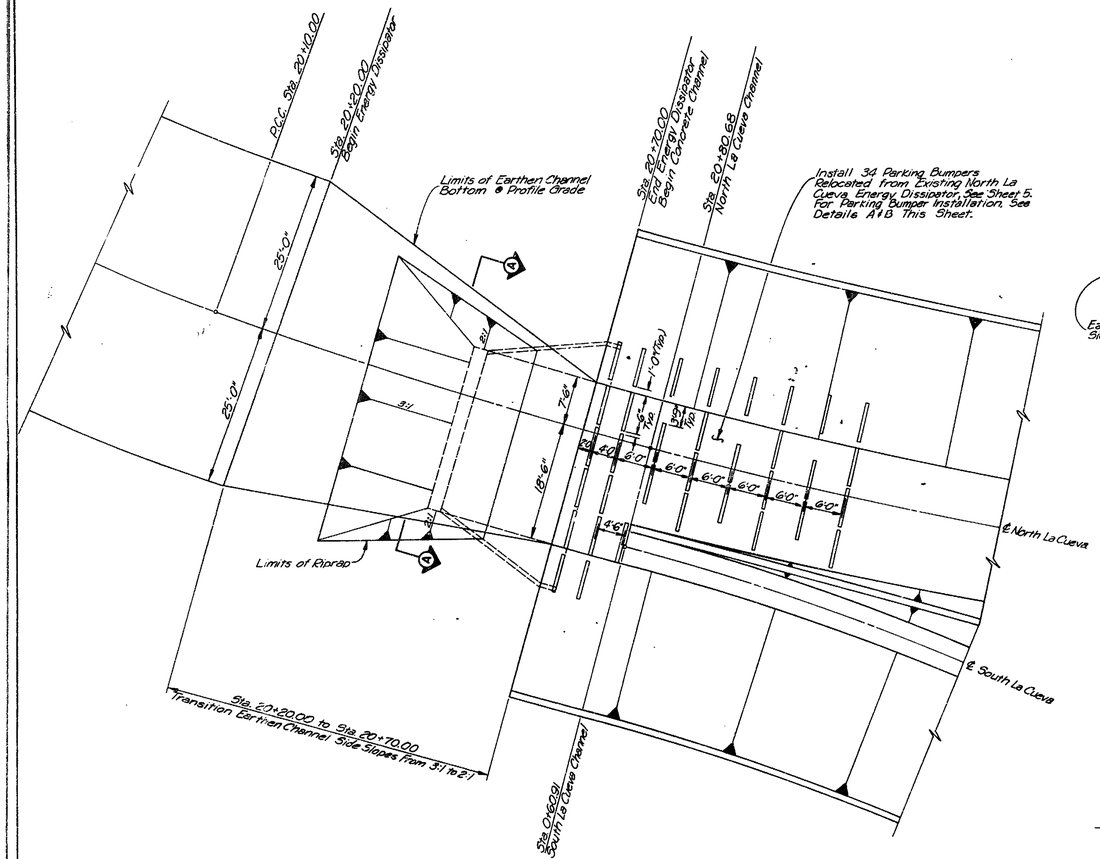
1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 4 5 5 3 9 8 6

SERIAL M-170

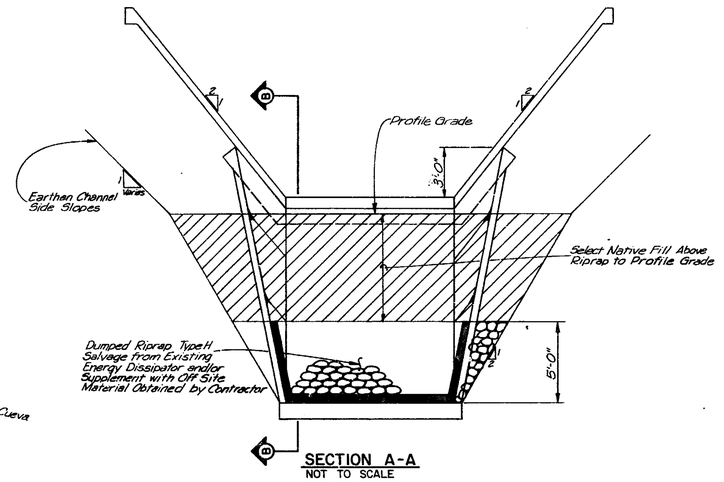
APPROVED: [signature] 2-2-71
BRIDGE ENGINEER

11/24/96

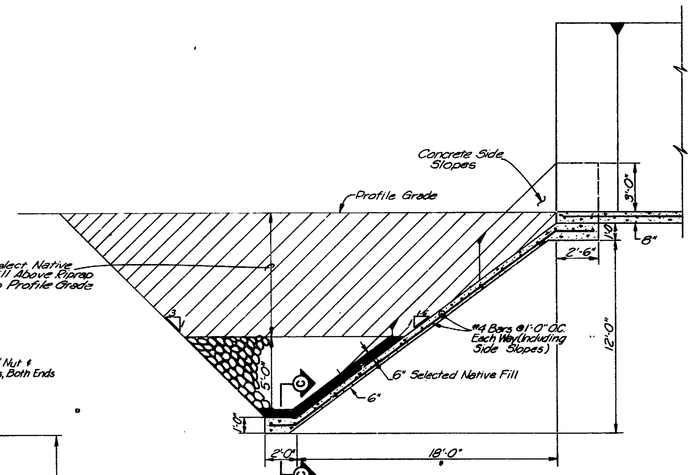
SHEET NO. Sheet 39 of 71



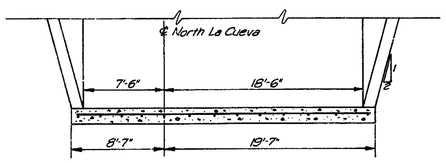
PLAN VIEW-ENERGY DISSIPATOR
SCALE: 1"= 10'



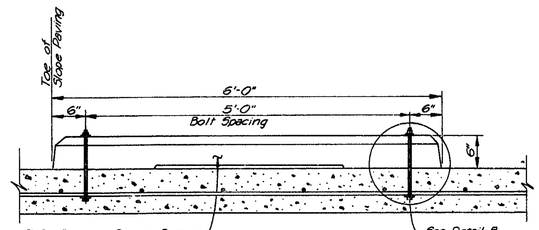
SECTION A-A
NOT TO SCALE



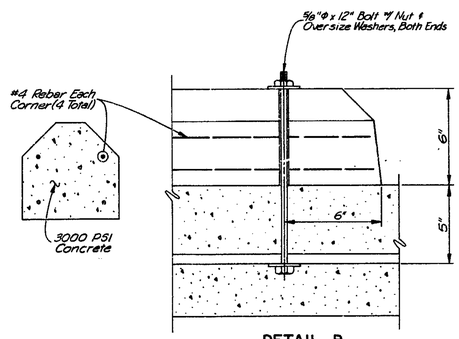
SECTION B-B CONCRETE APRON
NOT TO SCALE



SECTION C-C
NOT TO SCALE



DETAIL A
SCALE: 1"= 1'-0"



DETAIL B
SCALE: 3"= 1'-0"

NOTE:
1. For Location of Existing Parking Bumpers and Riprap See Sheet 5.

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED ON | DATE
WORK COMPLETED ON | DATE
ACCEPTANCE BY | DATE
INSPECTOR
VERIFICATION BY | DATE
CORRECTED BY | DATE

MICRO-FILM INFORMATION
RECORDED BY | DATE
NO

ENGINEER'S SEAL
James C. Jones
7/11/85

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	DATE 5-85
		DESIGNED BY T.L.H.	DATE 5-85
		DRAWN BY N.A.W.	DATE 5-85
		CHECKED BY M.H.D., J.R.B.	

William P. Hewitt
7011 SHOW
11/26/86

SCALE: AS SHOWN

CITY OF ALBUQUERQUE
ALBUQ. METRO. ARROYO FLOOD CONTROL AUTHORITY

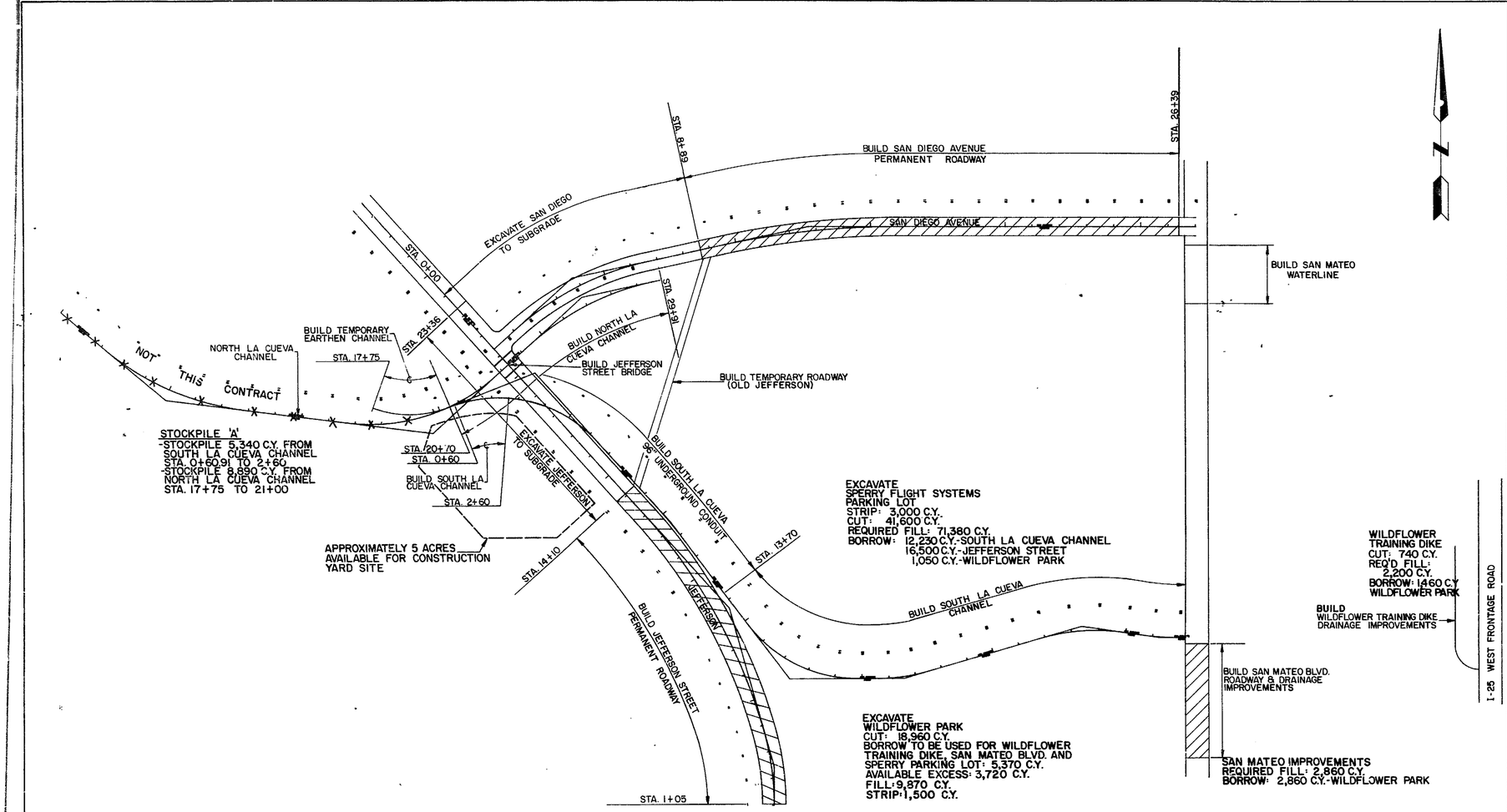
TITLE: ENERGY DISSIPATOR
N. & S. LA CUEVA CHANNEL PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		5/16/85	Liquid Waste	NA	5/15/85
A C E - Design		5/16/85	Traffic	NA	5/15/85
A C E - Hydrology		5/16/85	Water	NA	5/15/85

DRAWING NO. 2455 | MAP NO. | SHEET 40 OF 71

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

BRUNING 44-132 62236



NOTES:
1. This Sheet for Information Purpose Only.
2. All Fill Quantities Computed with 30% Shrinkage.
3. For Additional Earthwork Information, See Mass Diagram Sheet 42

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
WORK INSPECTED BY DATE
FINAL INSPECTION BY DATE
FIELD TRANSIT BY DATE
VERIFICATION BY DATE
MYLARS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
BY DATE
NO.

ENGINEER'S SEAL
William H. Smith
PROFESSIONAL
11/26/76

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY T.L.H.	DATE 5-85
		DRAWN BY N.A.W.	DATE 5-85
		CHECKED BY M.H.D.	DATE 5-85

1 2 3 4 5 6 7 8 9 10 11 12
2C 2455541 8 6

SCALE: 1" = 200'

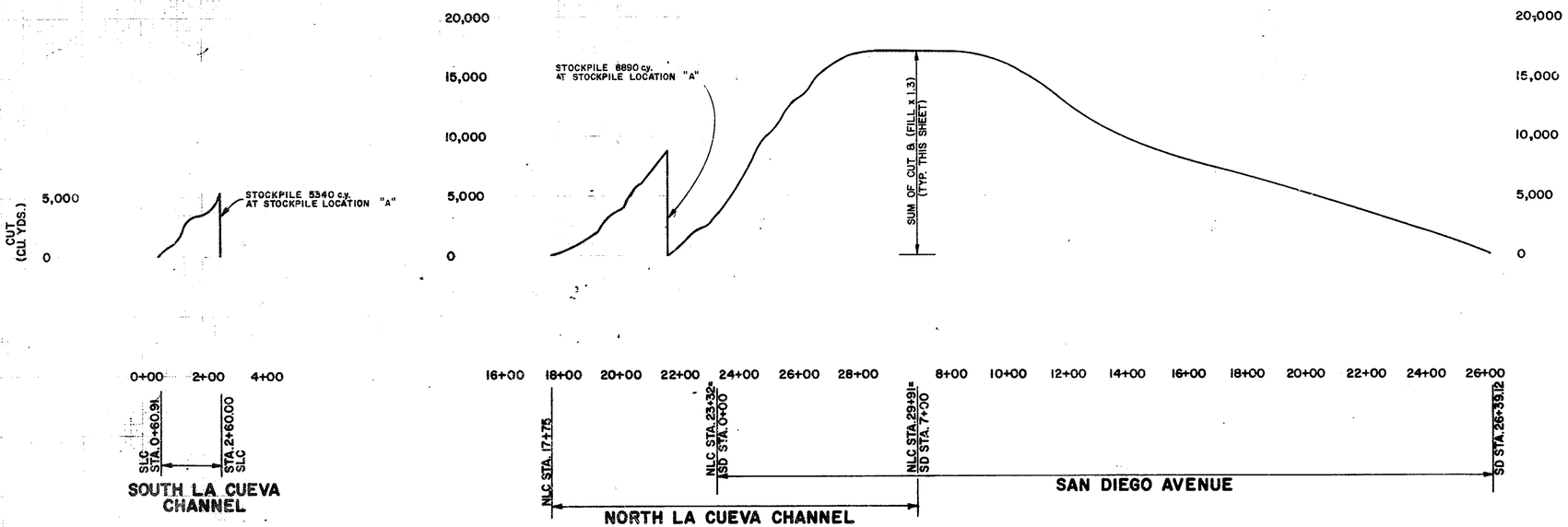
CITY OF ALBUQUERQUE
ALBUQ. METRO. ARROYO FLOOD
CONTROL AUTHORITY

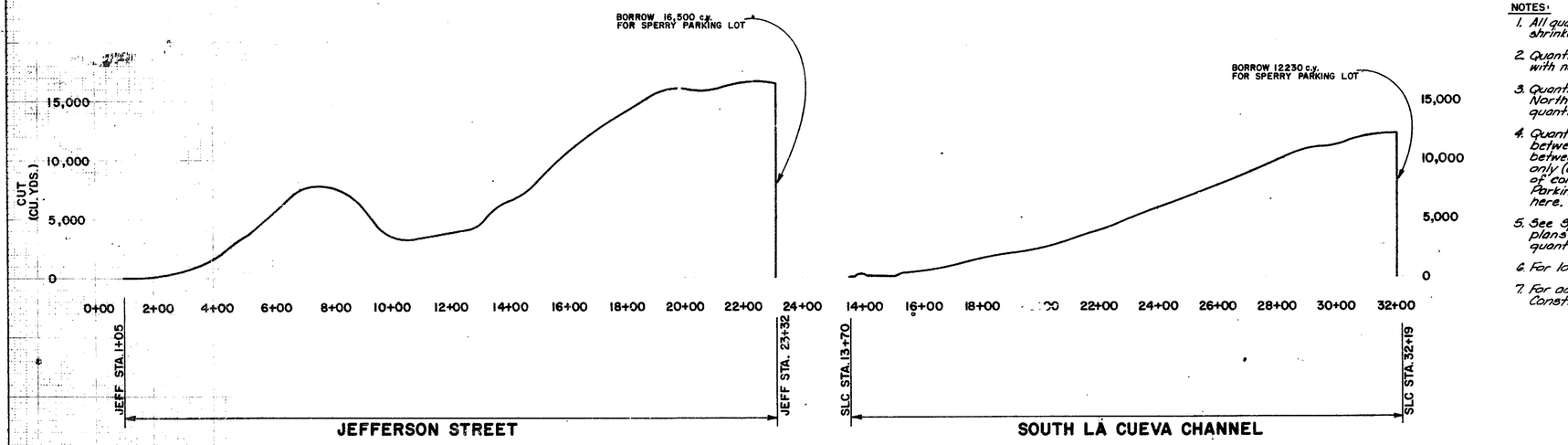
TITLE: CONSTRUCTION SCHEMATIC
N. & S. LA CUEVA CHANNEL PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	C.N. Haynes	5/15/85	Liquid Waste	HA 3QB	5/15/85
A C E - Design	[illegible]	5/14/85	Traffic	[illegible]	5/14/85
A C E - Hydrology	[illegible]	5/13/85	Water	HA 3QB	5/15/85

DRAWING NO. 2455 | MAP NO. | SHEET 41 OF 71

BRUNING 44-132 62236





NOTES:

1. All quantities are to subgrade elevations with a shrinkage factor of 1.3 applied to all fill volumes.
2. Quantities shown are computed to existing ground with no deductions for unsuitable materials.
3. Quantities shown between Sta. 23+32 to 29+91 North La Cueva Channel include San Diego Ave. quantities between Sta. 0+50 to 7+00.
4. Quantities shown for South La Cueva Channel between Sta. 13+70 to 32+19 include excavation between the limits of concrete slope paving only (extended vertically from outside edge of concrete). Excavation quantities for Sperry Parking Lot and Wildflower Park are not included here.
5. See Sperry Parking Lot and Wildflower grading plans for additional excavation and borrow quantities.
6. For location of Stockpile "A" see sheet 43.
7. For additional earthwork information see Construction Schematic, sheet 41.

WILLIAM L. VALLE — NEW MEXICO — 7135 — REGISTERED PROFESSIONAL ENGINEER

RECORD DRAWINGS
DATE 11/26/86

FHWA Region No.			SHEET NO.	TOTAL SHEETS
6	NEW MEXICO			

SURVEY INFORMATION — FIELD NOTES — NO. | BY | DATE

BENCH MARKS

AS-BUILT INFORMATION — CONTRACTOR — WORK ISSUED BY — DATE — INSPECTOR'S ASSISTANCE BY — DATE — FIELD VERIFICATION BY — DATE — CORRECTED BY — DATE

MICRO-FILM INFORMATION — RECORDED BY — DATE — NO

ENGINEER'S SEAL — Mark A. Dalton — 5/5/85

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY T.L.H., M.H.D. DATE 5-85
DRAWN BY P.M.T. DATE 5-85
CHECKED BY M.H.D. DATE 5-85

CITY OF ALBUQUERQUE
ALBUQ. METRO. ARROYO FLOOD CONTROL AUTHORITY

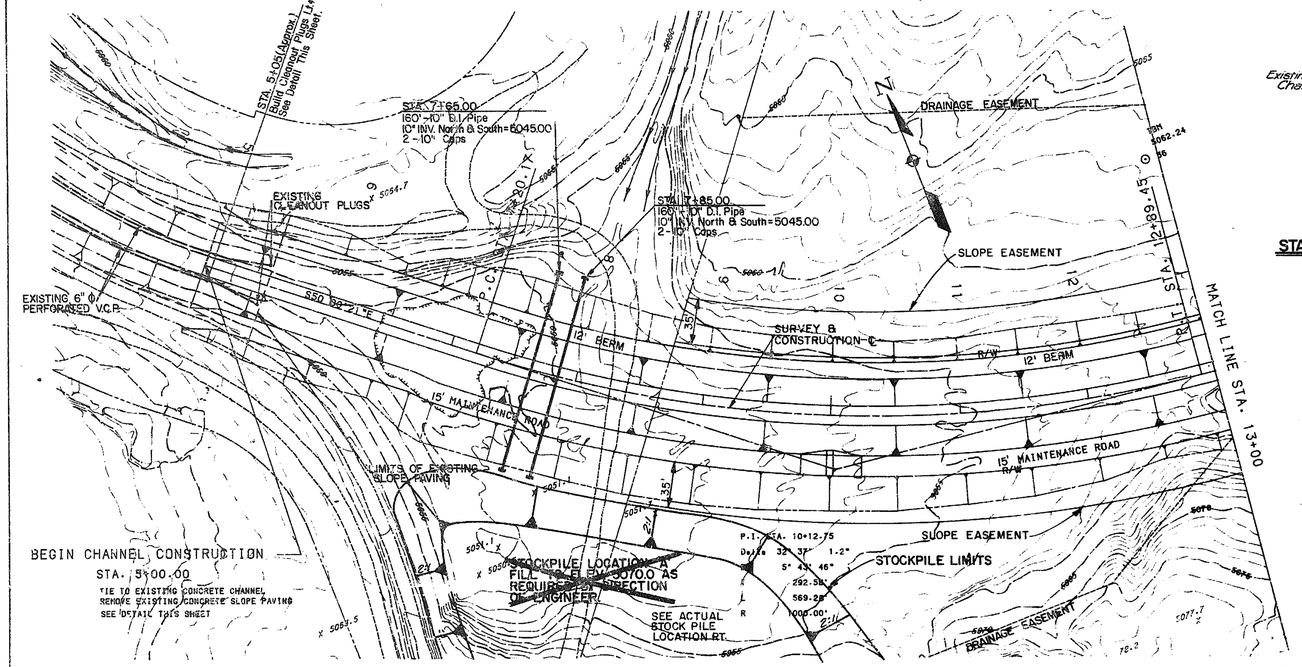
TITLE: MASS DIAGRAM
N. & S. LA CUEVA CHANNEL PROJECT

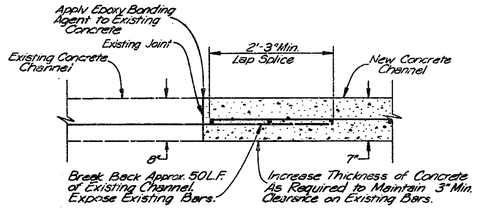
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E.-Design			Traffic		
A.C.E.-Hydrology			Water		

DRAWING NO. 2455

SHEET 42 OF 71

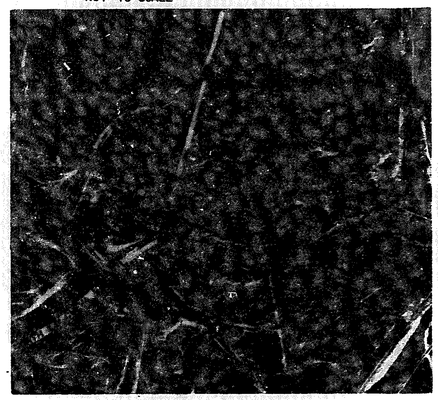
1 2 3 4 5 6 7 8 9 10 11 12
2 6 2 4 5 5 4 2 8 6



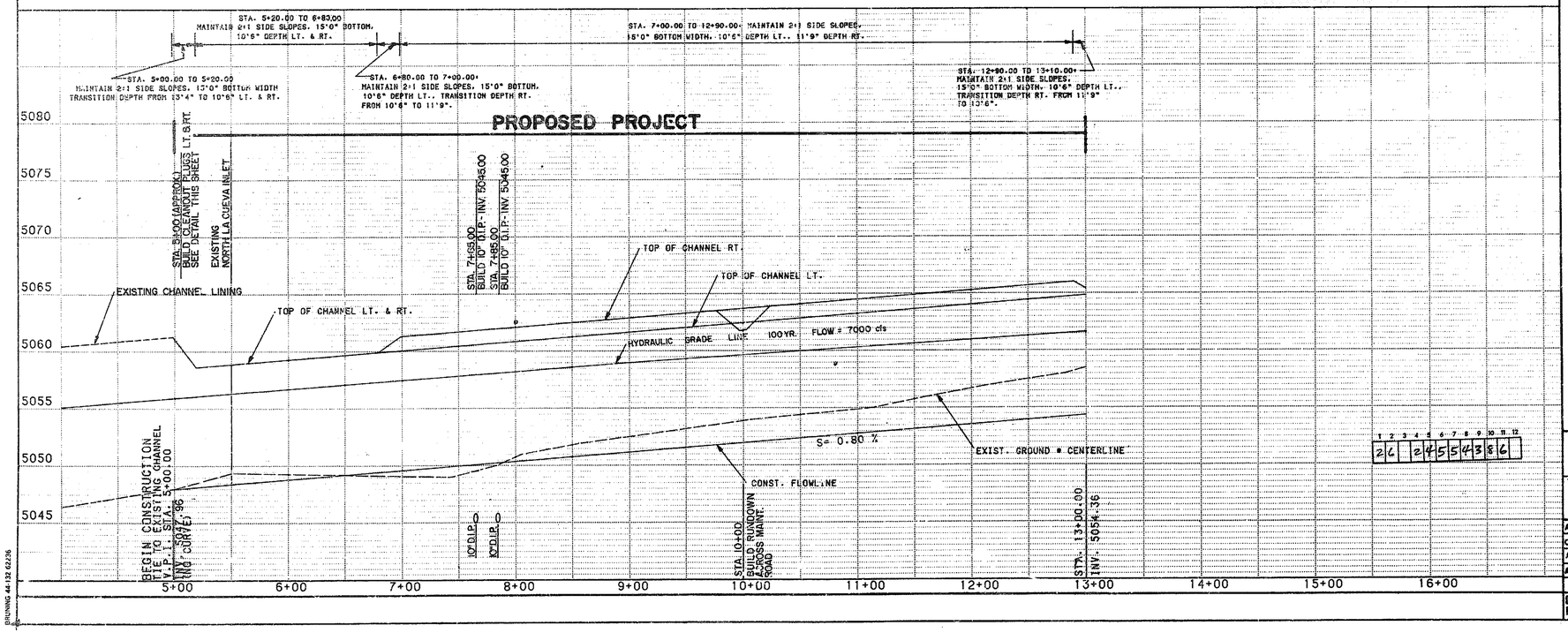


STA. 5+00.00-CONSTRUCTION JOINT DETAIL

NOT TO SCALE



NOTES:
1. For Rundown Details See Sheet 18.
2. For Typical Channel Section See Sheet 17.



DRAWING 44-132 62.26

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
BH-27 - Set 3-1/4" Aluminium Cap on 30" Rod with Concrete Collar, Marked 'BH-27, 1964' ELEV. 5092.93

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY — DATE
INSPECTORS
ACCEPTANCE BY — DATE
FINAL INSPECTION BY — DATE
VERIFICATION BY
CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY

DESIGN
DESIGNED BY T.L.H., M.H.D., H.C.S. DATE 5-85
DRAWN BY T.L.H., M.H.D., N.A.W. DATE 5-85
CHECKED BY DATE 5-85

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

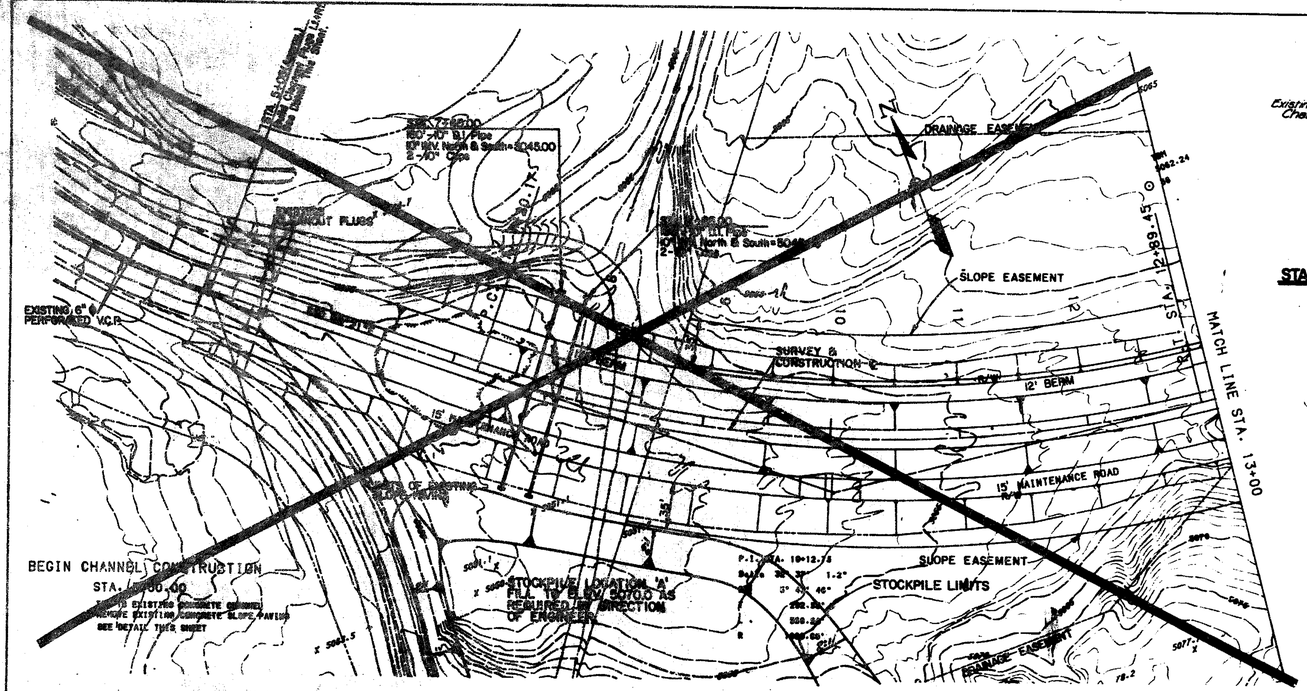
RECORD DRAWINGS

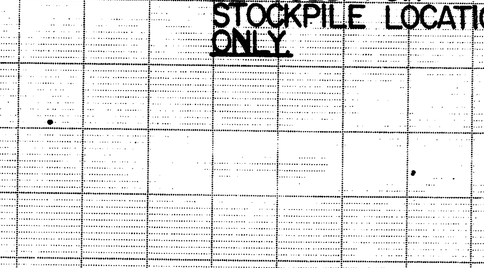
CITY OF ALBUQUERQUE
ALBUQ. METRO. ARROYO FLOOD CONTROL AUTHORITY

TITLE: STOCKPILE 'A' LOCATION
N. & S. LA CUEVA CHANNEL PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	NA	5/15/85
A.C.E.- Design			Traffic		
A.C.E.-Hydrology			Water	NA	5/15/85

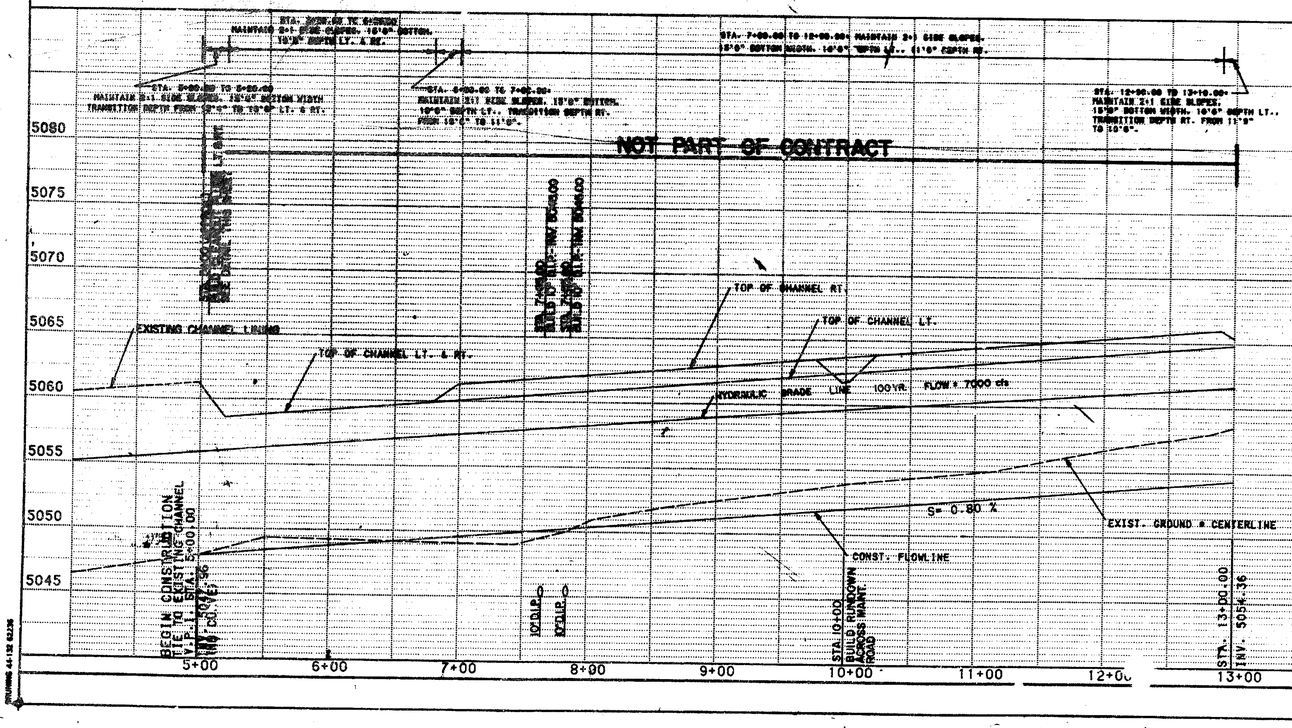
DRAWING NO. 2455 | MAP NO. B-17 | SHEET 43 OF 71





STA. 5+00.00-CONSTRUCTION JOINT DETAIL
NOT TO SCALE

NOTES:
1. For Rundown Details See Sheet 18.
2. For Typical Channel Section See Sheet 17.



NOTE:
THIS DRAWING TO BE USED FOR STOCKPILE LOCATION ONLY.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

BENCH MARKS
BH-27 - Sat 3-1/4" Aluminium Cap on 30" Rod with Concrete Collar, Marked "BH-27, 1984" ELLEV. 5092.93

AS BUILT INFORMATION
CONTRACTOR
STONE BY
INSPECTORS DATE
FIELD BOOK BY DATE
FIELD BOOK NO.
VERIFICATION BY DATE
CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY DATE
NO

ENGINEER'S SEAL
NEW MEXICO
JAMES C. STONE
9039
REGISTERED PROFESSIONAL ENGINEER
5/14/85

REVISIONS

NO.	DATE	REMARKS	BY
		DESIGN	

DESIGNED BY T.L.H., M.H.D., H.C.S. DATE 5-85
DRAWN BY T.L.H., M.H.D., N.A.W. DATE 5-85
CHECKED BY DATE 5-85

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

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

CITY OF ALBUQUERQUE
ALBUQ. METRO. ARROYO FLOOD CONTROL AUTHORITY

TITLE: STOCKPILE 'A' LOCATION
N. & S. LA CUEVA CHANNEL PROJECT

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	HA 308	5/15/85
A.C.E.-Design			Traffic		
A.C.E.-Hydro		5/15/85	Water	HA 308	5/15/85

DRAWING NO. 2455 | MAP NO. B-17 | SHEET 43 OF 71

C.K. Richard Swiley mapping

CORRECTED PLAT OF LANDS OF SISTERS OF THE ORDER OF ST. DOMINIC

WITHIN THE ELENA GALLEGOS LAND GRANT

WITHIN PROJECTED SECTIONS 11 & 14, T 11N, R 3E, N.M.P.M.

BERNALILLO COUNTY, NEW MEXICO
SCALE 1" = 400' APRIL, 1985

NOTE: TABLES ARE FOR THIS SHEET ONLY

CURVE DATA

NO.	RADIUS	ARC	CHORD	DELTA	TANGENT
C1	23.00'	36.23'	35.37'	90°02'42"	25.02'
C2	532.85'	418.30'	407.85'	45°00'00"	220.71'

TANGENT DATA

NO.	DISTANCE	BEARING
T1	86.59'	N89°45'29"W
T2	401.19'	N89°43'44"W
T3	137.10'	N44°16'03"E
T4	1473.49'	N89°43'57"E
T5	383.87'	N44°00'18"E
T6	590.97'	N00°07'08"E
T7	1701.65'	N00°07'08"W
T8	402.65'	N02°07'11"W

FILBERTO GURULE TRACT
AS DIVIDED FROM THE SOUTHERLY PORTION OF HOMESTEAD ENTRY SURVEY
SANTA FE SERIAL NO. 046513
FILED: JANUARY 26, 1906

TRACT D
272.4695 Ac.

TRACT A, UNIT B
NORTH ALBUQUERQUE ACRES
FILED: APRIL 24, 1936 (D-130)

TRACT B
13.0909 Ac.

TRACT C
4.0788 Ac.

TRACT A
43.0333 Ac.

SPERRY SITE
FILED: JUNE 13, 1985
(C27-110)

TRACT A
RICHFIELD PARK
FILED DECEMBER 22, 1982 (C30-125)

UNPLATTED LAND

CORRECTIVE WARRANTY DEED
FILED FEBRUARY 23, 1965
MISC. BOOK 955 PAGES 482-500

DETAIL "A"
NOT TO SCALE

LEGEND
- 1/2" REBAR & CAP "LS 6544"
- 1/2" REBAR & CAP "LS 8466"
- 1/2" REBAR & CAP "LS 4602"
- 1/2" REBAR & CAP "LS 5104"
- 1/2" REBAR & CAP "LS 5104" SET
- 1/2" REBAR & CAP "LS 8466" SET
- 1/2" REBAR & CAP "LS 4602" SET
- 1/2" REBAR & CAP "LS 5104" SET
- 1/2" REBAR & CAP "LS 6544" SET
- 1/2" REBAR & CAP "LS 6544" SET
- 1/2" REBAR & CAP "LS 6544

85 51048

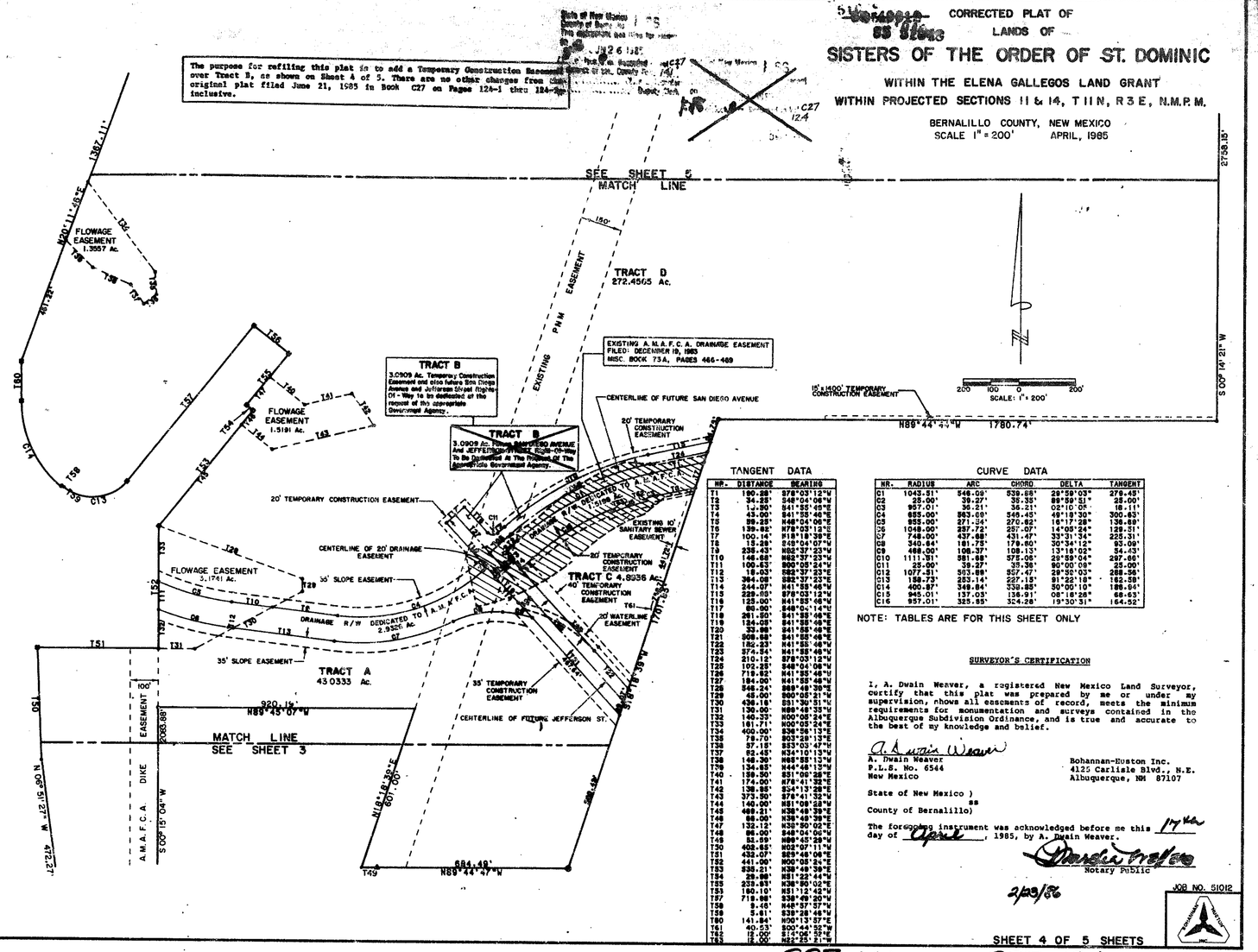
CORRECTED PLAT OF LANDS OF SISTERS OF THE ORDER OF ST. DOMINIC

WITHIN THE ELENA GALLEGOS LAND GRANT

WITHIN PROJECTED SECTIONS 11 & 14, T 11 N, R 3 E, N.M.P.M.

BERNALILLO COUNTY, NEW MEXICO
SCALE 1" = 200' APRIL, 1985

The purpose for refiling this plat is to add a Temporary Construction Easement over Tract B, as shown on Sheet 4 of 5. There are no other changes from the original plat filed June 21, 1985 in Book C27 on Pages 124-1 thru 124-5, inclusive.



TANGENT DATA

NR.	DISTANCE	BEARING
T1	190.28'	S78°03'13"W
T2	34.28'	S48°04'06"W
T3	1.28'	N89°55'46"W
T4	43.00'	N41°55'46"W
T5	43.00'	N48°04'14"E
T6	199.46'	N48°04'14"E
T7	100.14'	N18°18'37"E
T8	15.28'	S48°04'07"W
T9	238.43'	N89°37'23"W
T10	146.68'	N89°37'23"W
T11	100.63'	S89°09'24"W
T12	16.63'	S89°37'23"E
T13	394.08'	S89°37'23"E
T14	244.07'	N41°55'46"W
T15	229.80'	S78°03'13"W
T16	125.00'	N41°55'46"W
T17	60.00'	N48°04'14"E
T18	261.50'	N41°55'46"W
T19	126.00'	S48°04'14"W
T20	33.88'	N41°55'46"W
T21	208.88'	N41°55'46"W
T22	182.23'	N41°55'46"W
T23	374.84'	N41°55'46"W
T24	210.12'	S78°03'13"W
T25	102.28'	S48°04'14"W
T26	719.45'	N41°55'46"W
T27	184.00'	N41°55'46"E
T28	548.24'	N48°04'14"E
T29	46.00'	S60°00'21"W
T30	436.18'	S81°30'21"W
T31	130.00'	N89°45'39"W
T32	140.33'	N00°00'24"E
T33	181.71'	N00°05'24"E
T34	400.00'	N00°05'24"E
T35	78.70'	S53°28'13"W
T36	97.18'	S53°28'13"W
T37	82.45'	N34°10'46"W
T38	148.36'	N89°55'13"W
T39	134.24'	N89°48'13"W
T40	159.50'	S51°00'28"E
T41	174.00'	N78°41'32"E
T42	196.85'	S34°13'28"E
T43	373.90'	S78°41'32"W
T44	140.00'	N51°00'28"W
T45	488.21'	N38°49'39"E
T46	373.90'	N38°49'39"E
T47	132.12'	N38°50'02"E
T48	86.00'	S48°04'00"W
T49	51.59'	N89°45'29"W
T50	402.53'	N03°00'11"W
T51	432.07'	S89°49'06"E
T52	441.00'	N00°08'24"E
T53	835.21'	N38°49'39"E
T54	29.98'	N38°49'39"E
T55	33.00'	N38°50'02"E
T56	160.10'	N51°12'42"W
T57	718.98'	N38°49'39"E
T58	9.48'	N48°37'37"W
T59	5.81'	N48°37'37"W
T60	141.84'	N00°13'37"E
T61	40.53'	S00°44'39"W
T62	12.00'	S10°06'36"E
T63	15.00'	N52°52'21"E

CURVE DATA

NR.	RADIUS	ARC	CHORD	DELTA	TANGENT
C1	1043.51'	548.09'	539.88'	29°59'03"	279.48'
C2	25.00'	39.27'	35.35'	89°59'51"	25.00'
C3	957.01'	36.21'	36.21'	02°10'05"	18.11'
C4	855.00'	963.00'	548.45'	49°19'30"	300.63'
C5	855.00'	271.91'	270.82'	18°13'28"	136.88'
C6	1048.00'	287.72'	287.01'	15°43'24"	144.51'
C7	748.00'	437.68'	431.47'	33°31'34"	225.31'
C8	340.64'	181.73'	179.60'	30°34'12"	93.09'
C9	488.00'	108.37'	108.13'	13°16'02"	54.43'
C10	1111.31'	981.68'	575.06'	29°59'04"	297.46'
C11	25.00'	39.27'	35.36'	90°00'09"	25.00'
C12	1077.31'	503.88'	857.47'	29°59'03"	288.56'
C13	158.73'	253.14'	227.15'	91°22'18"	162.58'
C14	400.87'	348.84'	338.85'	50°00'10"	188.04'
C15	945.01'	137.03'	136.91'	08°18'28"	68.63'
C16	957.01'	325.85'	324.26'	19°30'31"	164.52'

NOTE: TABLES ARE FOR THIS SHEET ONLY

SURVEYOR'S CERTIFICATION

I, A. Dwain Weaver, a registered New Mexico Land Surveyor, certify that this plat was prepared by me or under my supervision, shows all easements of record, meets the minimum requirements for monumentation and surveys contained in the Albuquerque Subdivision Ordinance, and is true and accurate to the best of my knowledge and belief.

A. Dwain Weaver
P.L.S. No. 6544
New Mexico

Bohannan-Huston Inc.
4125 Carlisle Blvd., N.E.
Albuquerque, NM 87107

State of New Mexico)
ss
County of Bernalillo)

The foregoing instrument was acknowledged before me this 17th day of April, 1985, by A. Dwain Weaver.

Notary Public

2/28/86

JOB NO. 51012

SHEET 4 OF 5 SHEETS

C27-141 4-5 C27-124 4-5

C27-141 5-5 C27-124 5-5

SURVEYOR'S CERTIFICATION

I, A. Dwain Weaver, a registered New Mexico Land Surveyor, certify that this plat was prepared by me or under my supervision, shows all easements of record, meets the minimum requirements for monumentation and surveys contained in the Albuquerque Subdivision Ordinance, and is true and accurate to the best of my knowledge and belief.

A. Dwain Weaver
P.L.S. No. 6544
New Mexico

Bohannan-Huston Inc.
4125 Carlisle Blvd., N.E.
Albuquerque, NM 87107

State of New Mexico)
ss
County of Bernalillo)

The foregoing instrument was acknowledged before me this 17th day of April, 1985, by A. Dwain Weaver.

Notary Public

2/28/86

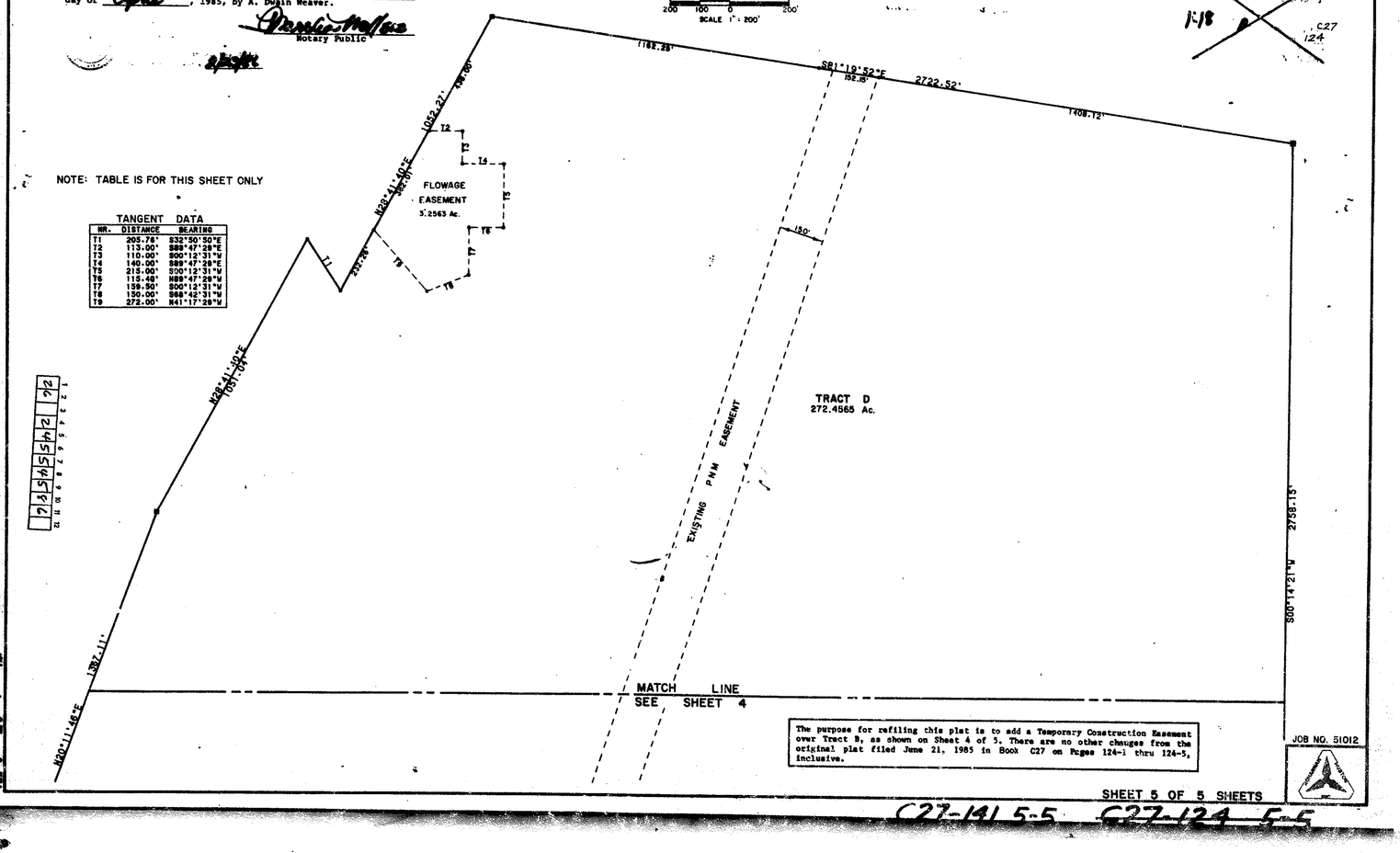
85 51048 CORRECTED PLAT OF LANDS OF

SISTERS OF THE ORDER OF ST. DOMINIC

WITHIN THE ELENA GALLEGOS LAND GRANT

WITHIN PROJECTED SECTIONS 11 & 14, T 11 N, R 3 E, N.M.P.M.

BERNALILLO COUNTY, NEW MEXICO
SCALE 1" = 200' APRIL, 1985



NOTE: TABLE IS FOR THIS SHEET ONLY

TANGENT DATA

NR.	DISTANCE	BEARING
T1	265.76'	S32°50'50"E
T2	113.00'	S88°47'28"E
T3	113.00'	N01°12'31"E
T4	140.00'	S88°47'28"E
T5	215.00'	S00°12'31"W
T6	113.48'	N88°47'28"W
T7	139.50'	S00°12'31"W
T8	130.00'	S88°47'31"W
T9	272.00'	N41°17'28"W

The purpose for refiling this plat is to add a Temporary Construction Easement over Tract B, as shown on Sheet 4 of 5. There are no other changes from the original plat filed June 21, 1985 in Book C27 on Pages 124-1 thru 124-5, inclusive.

JOB NO. 51012

SHEET 5 OF 5 SHEETS

C27-141 5-5 C27-124 5-5

Sheet 45 of 71

C27-110-2

85 48404

State of New Mexico
County of Bernalillo } SS
This instrument was filed for record
on the 2:35 PM day of Oct 8 1985
of record in Book C27 Page 110
of the records of said County
[illegible]
Deputy Clerk

REPLAT OF TRACTS A & A-1 SPERRY SITE

(Filed: September 5, 1980)

NOW COMPRISING

TRACTS IA, X, Y and Z SPERRY SITE

WITHIN THE ELENA GALLEGOS LAND GRANT

WITHIN PROJECTED SECTION 11, T11N, R3E, N.M.P.M.

ALBUQUERQUE, NEW MEXICO
SCALE: 1"=100' APRIL 1985

CURVE DATA

NR.	RADIUS	ARC	CHORD	DELTA	TANGENT
C1	25.00'	39.26'	35.35'	89°59'55"	24.99'
C2	25.00'	18.28'	17.85'	41°50'27"	9.58'
C3	2982.57'	44.28'	44.28'	00°51'02"	22.14'
C4	2981.57'	526.60'	525.92'	10°07'10"	263.69'
C5	25.00'	21.01'	20.39'	48°08'57"	11.17'
C6	3000.00'	639.85'	637.65'	12°12'04"	320.64'
C7	2906.57'	282.44'	282.33'	05°34'03"	141.33'
C8	2906.57'	513.20'	512.60'	10°07'10"	257.35'
C9	2905.57'	43.14'	43.14'	00°51'02"	21.57'

TANGENT DATA

NR.	DISTANCE	BEARING
T1	68.00'	S00°14'21"W
T2	67.98'	N89°44'44"W
T3	50.63'	S87°47'10"W
T4	113.17'	S78°18'41"W
T5	103.08'	S37°50'05"W
T6	76.98'	S76°03'13"W
T7	379.10'	N04°44'52"E
T8	451.01'	N15°15'41"E
T9	156.47'	N76°19'41"E
T10	19.36'	S89°55'19"E

NOTE: TABLES ARE FOR THIS SHEET ONLY

SCALE IN FEET

RIGHT-OF-WAY AREA NO. 2 :
3.0357 ACRES Of Right-Of-Way
To Be Dedicated To The City Of
Albuquerque With The Filing Of This PLAT.

UNPLATTED LAND

(S 89°56'36"E)

S89°44'44"E 1780.74'

(1780.58')

SAN DIEGO AVENUE

3.5357 AC. OF R.O.W. TO BE DEDICATED WITH THE FILING OF THIS PLAT

N89° 44' 44"W 1109.99'

N89°44'44"W 1034.85'

EASEMENT AREA NO. 1 :
La Cueva Drainage Easement
Granted To A.M.A.F.C.A. 3.1704 ACRES.

Existing 7' PNM Easement

20' SANITARY SEWER EASEMENT

S89°44'44"E 1083.28'

UNPLATTED LAND

JEFFERSON RIGHT-OF-WAY, 2.5436 Ac.
To be vacated upon completion
of Permanent Roadway Improvements
to San Diego Ave. and Jefferson Street

10' SANITARY SEWER EASEMENT

TRACT IA
64.7791 AC.

EXISTING 10' PNM AND MOUNTAIN STATES TELEPHONE CO. EASEMENT

86' R.O.M.

SAN MATEO BOULEVARD

(S 00°02'24"W)

S00°14'21"W 1525.01'

EASEMENT AREA NO. 8
A Variable Width Sanitary Sewer
Easement Granted To The City
Of Albuquerque, 0.999 ACRES.

(N 89°56'36"E 1701.66')

N89°44'44"E 1701.66'

20' SANITARY SEWER EASEMENT

MATCH LINE - SEE SHEET 3

SURVEYOR'S CERTIFICATION

I, A. Dwain Weaver, a registered New Mexico Land Surveyor, certify that this plat was prepared by me or under my supervision, shows all easements of record, meets the minimum requirements for monumentation and surveys contained in the Albuquerque Subdivision Ordinance, and is true and accurate to the best of my knowledge and belief.

A. Dwain Weaver

A. Dwain Weaver
P.L.S. No. 6544
New Mexico

Bohannan-Huston Inc.
4125 Carlisle Blvd., N.E.
Albuquerque, NM 87107

State of New Mexico)
ss
County of Bernalillo)

The foregoing instrument was acknowledged before me this 16th day of October, 1985, by A. Dwain Weaver.

Notary Public

Job No. 51012

SHEET 2 OF 3 SHEETS

C27-110-2

C27-110-3

SURVEYOR'S CERTIFICATION

I, A. Dwain Weaver, a registered New Mexico Land Surveyor, certify that this plat was prepared by me or under my supervision, shows all easements of record, meets the minimum requirements for monumentation and surveys contained in the Albuquerque Subdivision Ordinance, and is true and accurate to the best of my knowledge and belief.

A. Dwain Weaver

A. Dwain Weaver
P.L.S. No. 6544
New Mexico

Bohannan-Huston Inc.
4125 Carlisle Blvd., N.E.
Albuquerque, NM 87107

State of New Mexico)
ss
County of Bernalillo)

The foregoing instrument was acknowledged before me this 16th day of October, 1985, by A. Dwain Weaver.

Notary Public

CURVE DATA

NR.	RADIUS	ARC	CHORD	DELTA	TANGENT
C1	2083.00'	187.98'	187.91'	05°10'14"	94.05'
C2	469.00'	194.85'	193.46'	23°48'17"	98.89'
C3	2063.00'	186.17'	186.11'	05°10'14"	93.15'
C4	150.00'	33.28'	33.21'	12°42'44"	16.71'
C5	150.00'	38.49'	38.38'	14°42'08"	19.38'
C6	2051.50'	218.90'	218.79'	06°06'48"	109.55'
C7	2043.00'	371.40'	370.89'	10°24'57"	186.21'
C8	2043.00'	288.83'	288.59'	08°06'11"	144.71'
C9	2043.00'	12.08'	12.08'	00°20'32"	6.04'
C10	2043.00'	258.25'	258.13'	06°24'04"	129.24'
C11	525.00'	130.51'	130.17'	14°14'34"	65.59'
C12	1957.00'	575.58'	573.40'	17°24'39"	289.63'
C13	716	306.23	303.97	24°30'20"	155.46'
C14	994.00'	137.14'	137.03'	07°53'06"	68.66'
C15	672.00'	147.32'	146.72'	12°52'38"	74.26'
C16	675.00'	288.70'	286.50'	24°30'20"	146.58'
C17	1025.00'	142.85'	142.73'	07°59'06"	71.54'
C18	2000.00'	627.55'	624.98'	17°58'41"	316.37'
C19	2043.00'	131.06'	131.04'	03°40'32"	65.55'
C20	484.00'	179.93'	178.97'	20°46'04"	90.69'
C21	1000.00'	138.37'	139.25'	07°55'06"	69.80'
C22	700.00'	299.39'	297.11'	24°30'20"	152.02'

TANGENT DATA

NR.	DISTANCE	BEARING
T1	149.23'	S41°55'46"E
T2	311.01'	S36°45'32"E
T3	65.48'	N36°45'32"W
T4	84.97'	N45°29'00"W
T5	14.90'	N54°37'00"W
T6	225.10'	N36°45'32"W
T7	138.42'	N41°55'46"W
T8	131.82'	N41°55'46"W
T9	127.08'	N41°55'46"W
T10	44.84'	N53°14'28"E
T11	137.88'	S36°45'32"E
T12	77.88'	N41°55'46"W
T13	267.20'	N73°59'05"E
T14	89.84'	S81°30'35"E
T15	22.42'	S89°29'41"E
T16	22.42'	N89°29'41"W
T17	41.00'	S00°14'21"W
T18	126.70'	N73°59'05"E
T19	22.61'	S80°29'41"E
T20	55.04'	S00°14'21"W
T21	9.79'	S18°18'39"W
T22	103.47'	N41°55'46"W
T23	149.92'	N12°05'57"E
T24	274.74'	N27°11'33"W
T25	279.90'	N11°24'37"E
T26	279.10'	N04°44'52"E
T27	65.49'	N36°45'32"W
T28	94.97'	N45°31'02"W
T29	15.05'	N53°14'28"E
T30	212.37'	S73°59'05"W

NOTE: TABLES ARE FOR THIS SHEET ONLY

SCALE IN FEET

MATCH LINE - SEE SHEET 2

EASEMENT AREA NO. 8
A Variable Width Sanitary Sewer
Easement Granted To The City
Of Albuquerque, 0.999 ACRES.

Temporary Roadway Easement
To Be Vacated Upon Completion
Of Permanent Roadway Improvements
To SAN DIEGO AVENUE And
JEFFERSON STREET.

℄ 20' SANITARY SEWER EASEMENT

JEFFERSON R/W, 2.5436 Ac., To Be Vacated Upon Completion Of Permanent Roadway Improvements To San Diego Ave. And Jefferson St.

TRACT IA
64.7791 AC.

EASEMENT AREA NO. 4:
20' Drainage Easement Granted
To The City Of Albuquerque, 0.2796 ACRES.

RIGHT-OF-WAY AREA NO. 1:
1.5162 AC. JEFFERSON ST. R.O.W.
TO BE DEDICATED TO THE CITY OF
ALBUQUERQUE WITH THE FILING OF THIS PLAT.

UNPLATTED LAND

JEFFERSON STREET N.E.

36' TEMPORARY CONSTRUCTION EASEMENT

20' TEMPORARY CONSTRUCTION EASEMENT

TRACT Z
3.8255 AC.

VACATED JEFFERSON RIGHT-OF-WAY Vac. Ord. No.

EASEMENT AREA NO. 3:
South La Cueva Drainage Easement
Granted To The City Of Albuquerque, 0.2744 ACRES.

EASEMENT AREA NO. 7:
15' Construction And Maintenance Easement Granted
To The City Of Albuquerque, 0.1154 ACRES.

℄ 40' SANITARY SEWER EASEMENT

TRACT Y
0.9201 AC.
PARK SITE & DRAINAGE EASEMENT

(N 89°56' 36" W) N89° 44' 47" W 2265.67'

WILDFLOWER SUBDIVISION
FILED: MAY 30, 1985
(C27-71)

EASEMENT AREA NO. 6:
15' Construction And Maintenance Easement Granted
To The City Of Albuquerque, 0.2857 ACRES.

EASEMENT AREA NO. 2

SOUTH LA CUEVA DRAINAGE EASEMENT GRANTED TO CITY OF ALBUQUERQUE
0.683A ACRES

TRACT X
0.6389 AC.

25' TEMPORARY CONSTRUCTION EASEMENT

EXISTING 35' x 52' WATER METER EASEMENT

EXISTING 10' PNM AND MOUNTAIN STATES TELEPHONE CO. EASEMENT

SAN MATEO BOULEVARD N.E.

S00°14'21"W 1525.01'

DETAIL "A"
NOT TO SCALE

SEE DETAIL "A"
EASEMENT AREA NO. 5:
20' Drainage Easement Granted To The
City Of Albuquerque, 0.0237 ACRES.

PROJECTED SECTION CORNER, U.S. SURVEY NO.2931, N.M.P.M.

Job No. 51012

SHEET 3 OF 3 SHEETS

C27-110-3

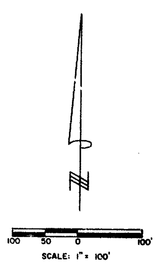
Sheet 46 of 71

C27-71-2

SS 42301

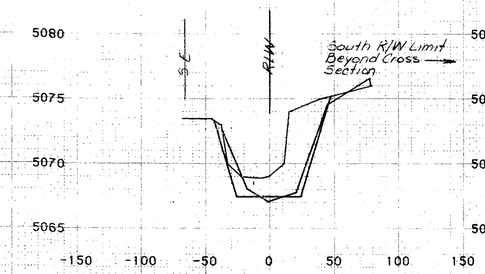
REPLAT OF TRACT A-1 AND PARK SITE WILDFLOWER SUBDIVISION

ALBUQUERQUE, NEW MEXICO
SCALE: 1"=100' APRIL, 1985

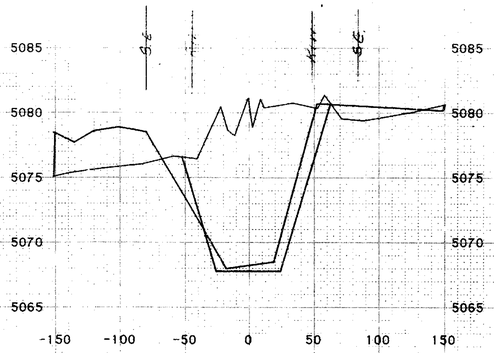


CURVE DATA

CURVE	RADIUS	ARC	CHORD	DELTA	TANGENT
C1	967.00'	63.63'	63.62'	03°46'26"	31.82'
C2	25.00'	44.06'	38.73'	101°00'00"	30.74'
C3	25.00'	13.71'	13.54'	31°24'58"	7.06'
C4	25.00'	30.35'	28.47'	69°32'02"	17.56'
C5	1125.00'	194.20'	193.96'	09°53'31"	97.36'
C6	1125.00'	177.13'	176.95'	09°01'11"	88.77'
C7	1125.00'	189.57'	189.36'	09°39'20"	95.04'
C8	1125.00'	207.26'	206.98'	10°33'32"	103.96'
C9	1125.00'	207.26'	206.98'	10°33'32"	103.96'
C10	1125.00'	207.26'	206.98'	10°33'32"	103.96'
C11	1125.00'	207.26'	206.98'	10°33'32"	103.96'
C12	1125.00'	207.26'	206.98'	10°33'32"	103.96'
C13	1125.00'	207.26'	206.98'	10°33'32"	103.96'
C14	50.00'	78.54'	70.71'	90°00'00"	50.00'
C15	1125.00'	207.26'	206.98'	10°33'32"	103.96'
C16	1125.00'	207.26'	206.98'	10°33'32"	103.96'
C17	1125.00'	207.26'	206.98'	10°33'32"	103.96'



STATION 18+50.00



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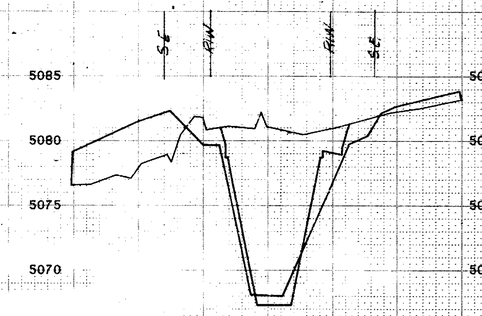
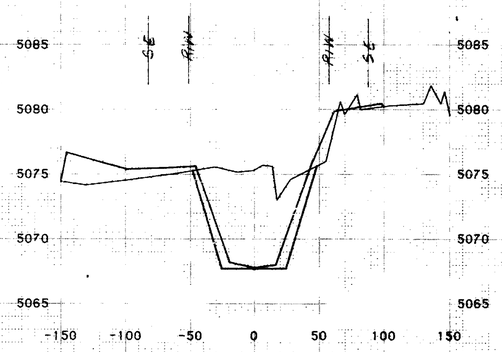


STATION 20+70.00

STATION 18+00.00



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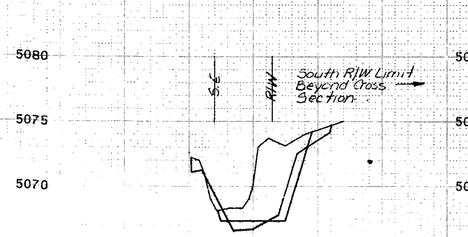

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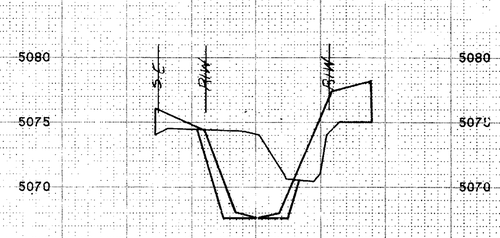
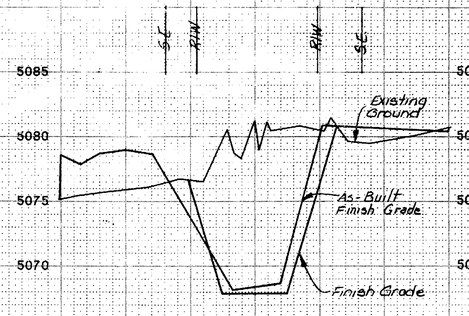


STATION 19+00.00



STATION 20+10.00

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

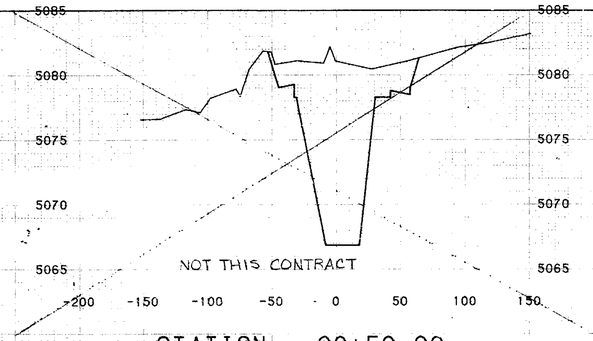
ORIGINAL SURVEY — SURVEYED, PLOTTED, NOTE BOOK, AREAS CHECKED, BY, DATE, NO.

CONFORMED TO AS-BUILT DRAWINGS
11/26/96

1	2	3	4	5	6	7	8	9	10	11	12
26	24	55	43	86							

STA. 17+75.00 TO STA. 20+70.00
TEMPORARY EARTHEN CHANNEL
NORTH LA CUEVA CHANNEL
N. & S. LA CUEVA PROJECT

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



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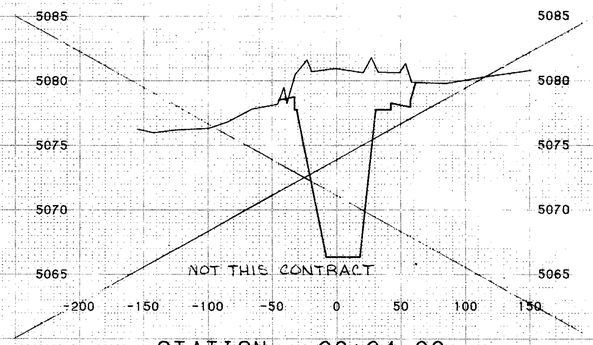
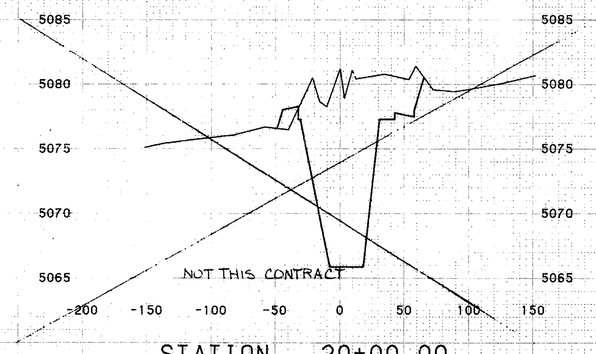
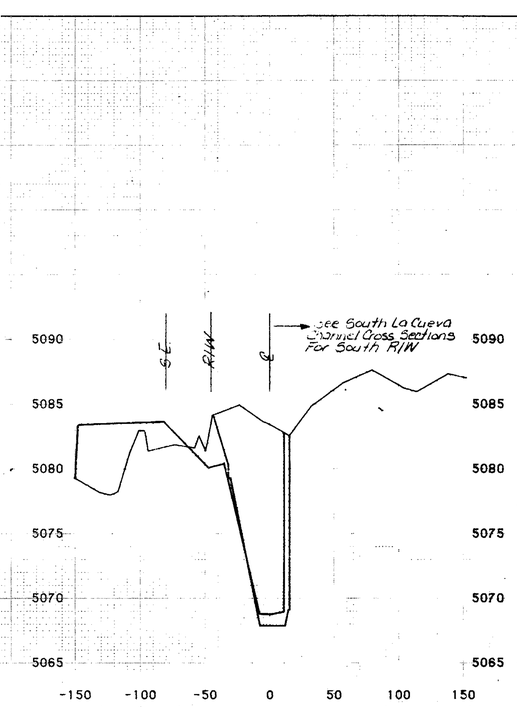


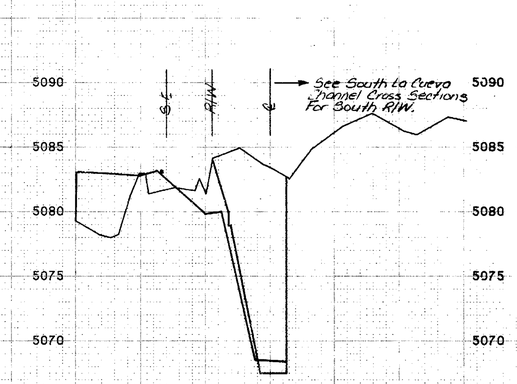
STATION 20+24.00



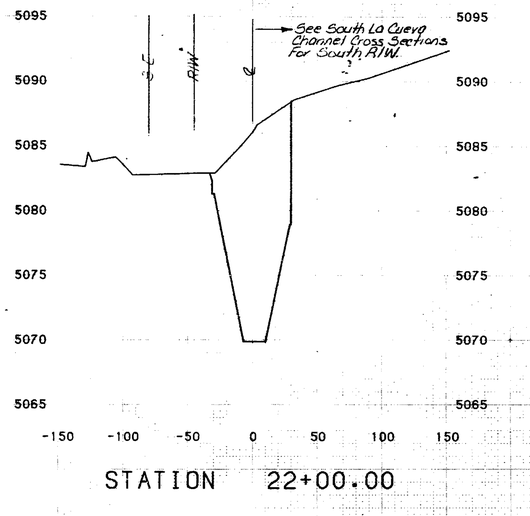
STATION 20+00.00



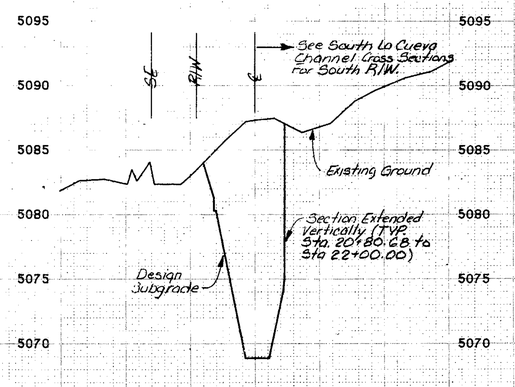
STATION 21+00.00



STATION 20+80.68



STATION 22+00.00



STATION 21+50.00

RECORD DRAWINGS
DATE 11-7-86

1 2 3 4 5 6 7 8 9 10 11 12
26 24 55 49 86

STA. 20+80.68 TO STA. 22+00.00
NORTH LA CUEVA CHANNEL
N. & S. LA CUEVA PROJECT

Sheet 49 of 71

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

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

P1 CROSS SECTION - DOTTED ARLES BRUNING COMPANY MADE IN U.S.A.

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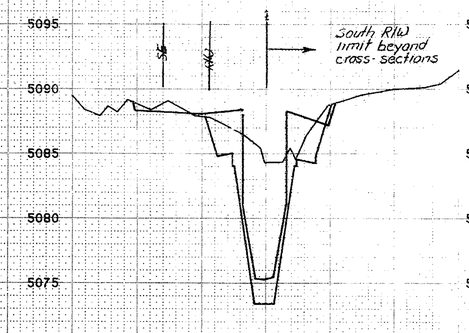
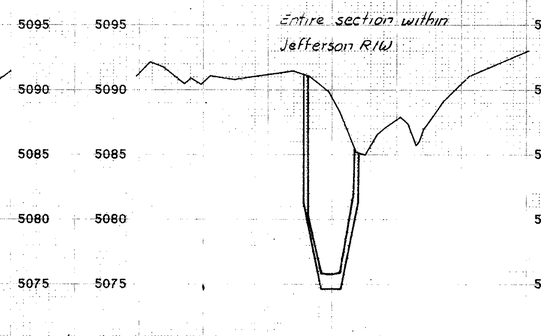
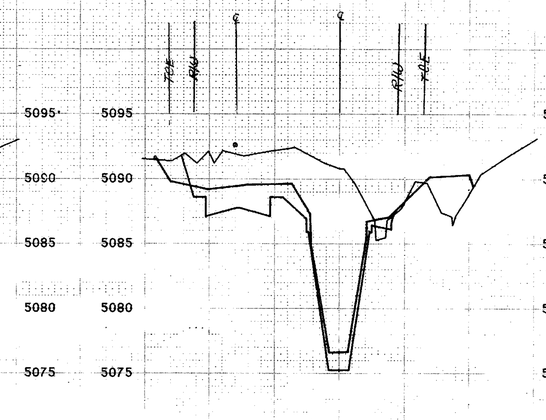


STATION 22+90.00



STATION 23+50.00



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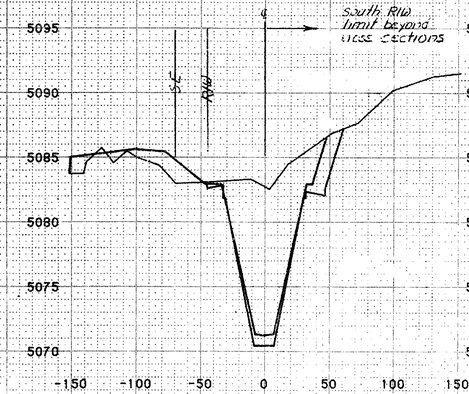
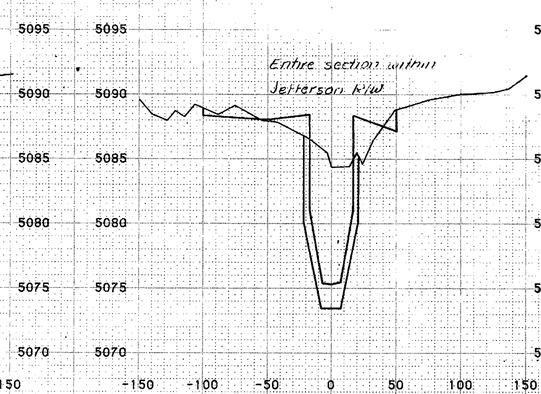
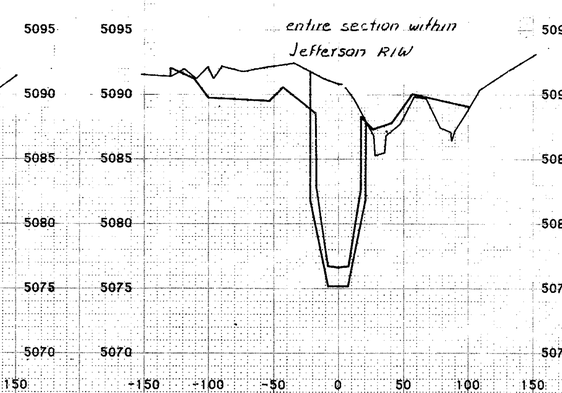


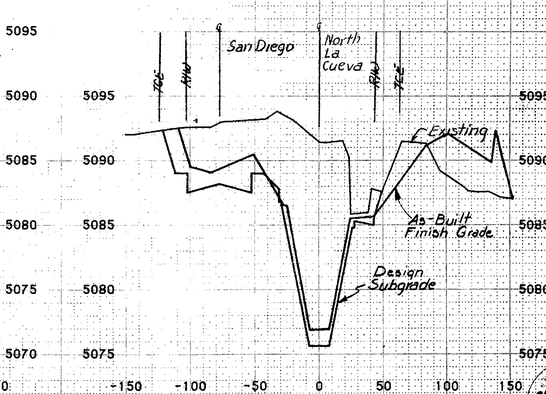
STATION 22+30.00



STATION 22+90.10



STATION 23+76.00



STATION 24+00.00

FINAL SURVEY — SURVEYED / PLOTTED / TEMPLATE / AREAS CHECKED — BY — DATE — ROUTE — NO.

ORIGINAL SURVEY — SURVEYED / PLOTTED / TEMPLATE / AREAS CHECKED — BY — DATE — ROUTE — NO.

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

REVISED DRAWING
DATE 11/22/74

26 24 55 50 84

STA. 22+30.00 TO STA. 23+80.00
NORTH LA CUEVA & SAN DIEGO
N. & S. LA CUEVA PROJECT

Sheet 50 of 71

FINAL SURVEY: NOTE BOOK NO.

	BY	DATE
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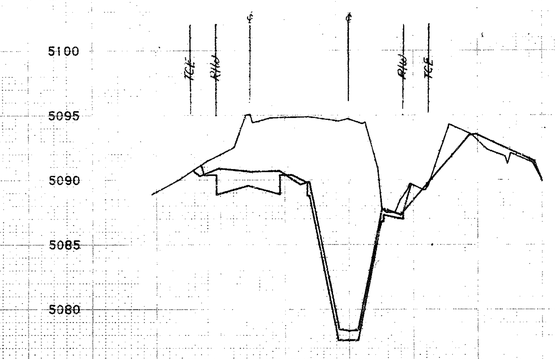
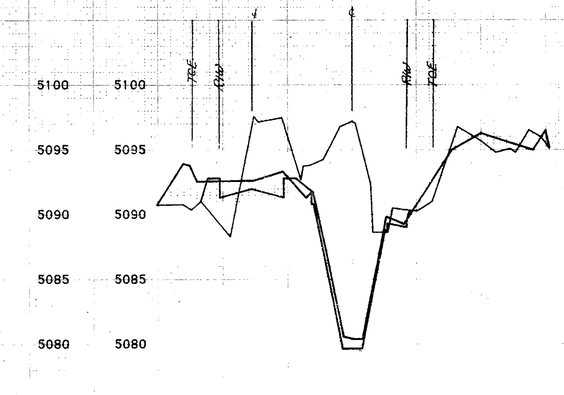
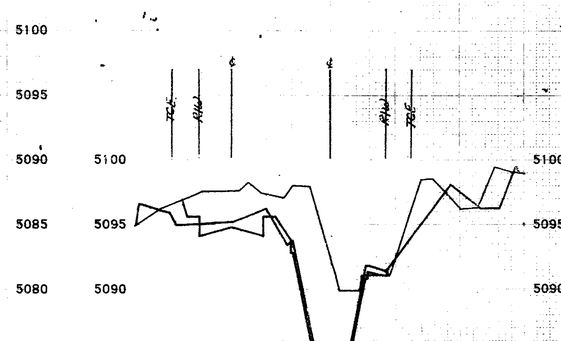


STATION 25+00.00



STATION 26+00.00



STATION 27+00.00

ORIGINAL SURVEY: NOTE BOOK NO.

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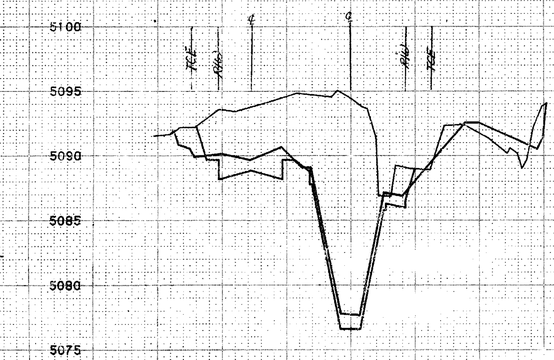
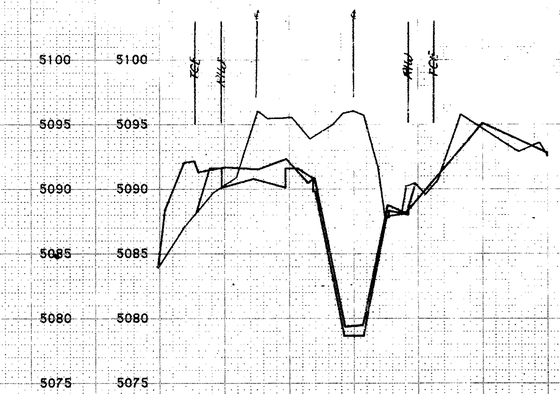


STATION 24+50.00



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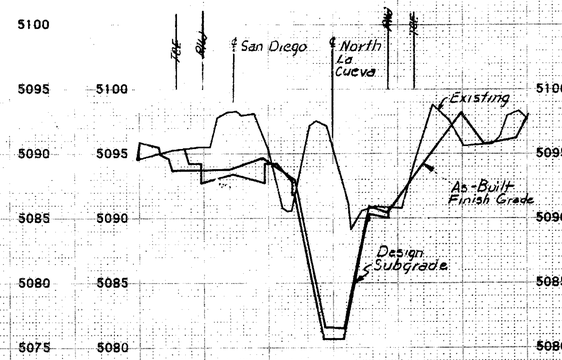

STATION 26+50.00

RECORD DRAWINGS
DATE 11/26/96

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STA 24+50.00 TO STA 27+00.00
NORTH LA CUEVA & SAN DIEGO
N. & S. LA CUEVA PROJECT

PLATE 3.C
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SECTION - DOTTED
MING COMPANY
IN U.S.A.

Sheet 51 of 71

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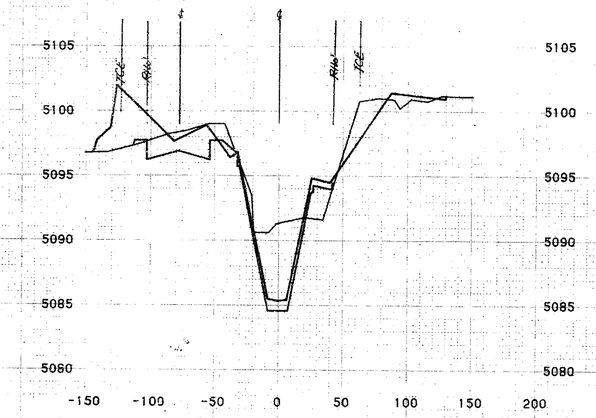
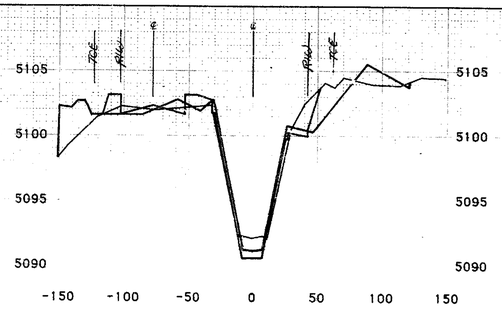


STATION 28+00.00



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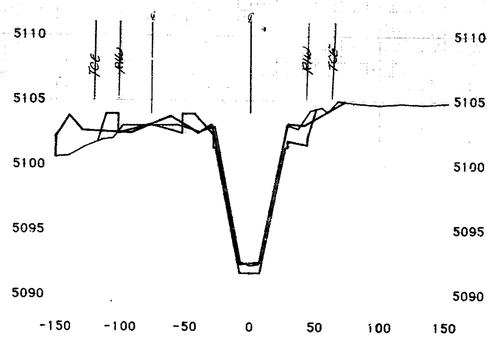
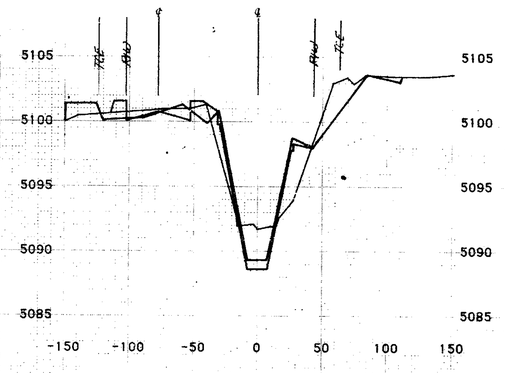


STATION 29+91.40



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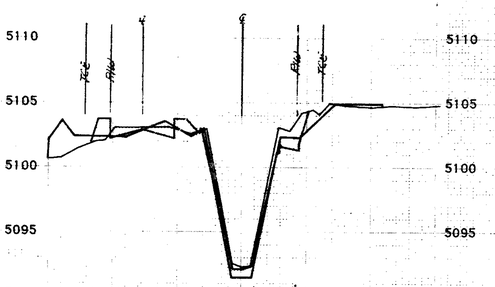
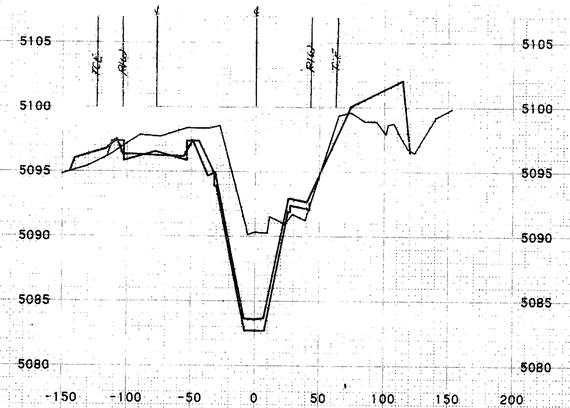


STATION 29+80.00



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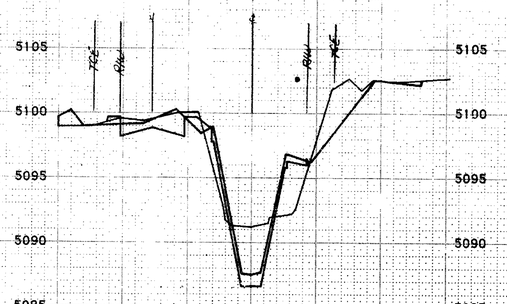
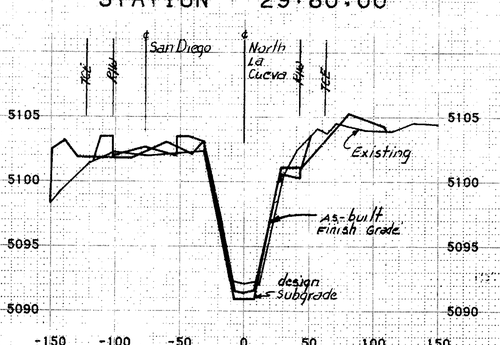


STATION 28+50.00



STATION 29+60.00

RECORD DRAWINGS
DATE 11/26/96

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

STA 27+50.00 TO STA 29+91.40
NORTH LA CUEVA & SAN DIEGO
N. & S. LA CUEVA PROJECT

PLA... CROSS SECTION - DOTTED
MILES DRAWING COMPANY
MADE IN U.S.A.

FINAL SURVEY — SURVEYED / PLOTTED / TRACED / AREA CHECKED / NOTE BOOK / NO. / BY / DATE

ORIGINAL SURVEY — SURVEYED / PLOTTED / TRACED / AREA CHECKED / NOTE BOOK / NO. / BY / DATE

See North La Cueva Channel Cross Sections For North R/W

STATION 1+00.00

STATION 2+00.00

STATION 2+60.00

STATION 0+60.91

STATION 1+50.00

STATION 2+10.00

Existing Ground

Design Subgrade

As-Built Finish Grade

Section Extended Vertically @ Confluence Of Sta. 0+60.91 To Sta. 2+10.00

RECORD DRAWINGS

PLATE 6 CROSS SECTIONS - DOTTED
CHARLES BRUNING COMPANY
MADE IN U.S.A.

CITY OF ALBUQUERQUE

C

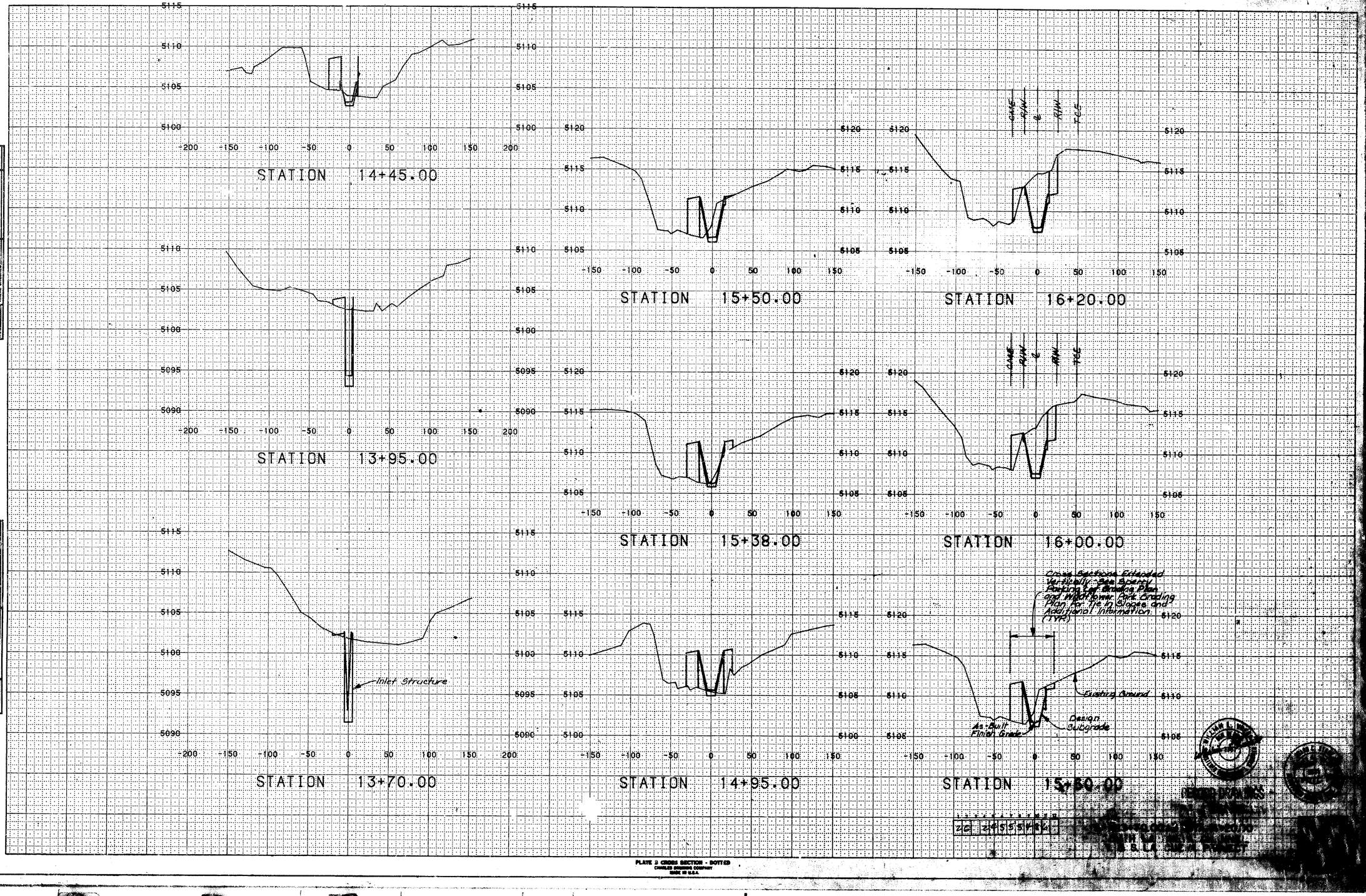
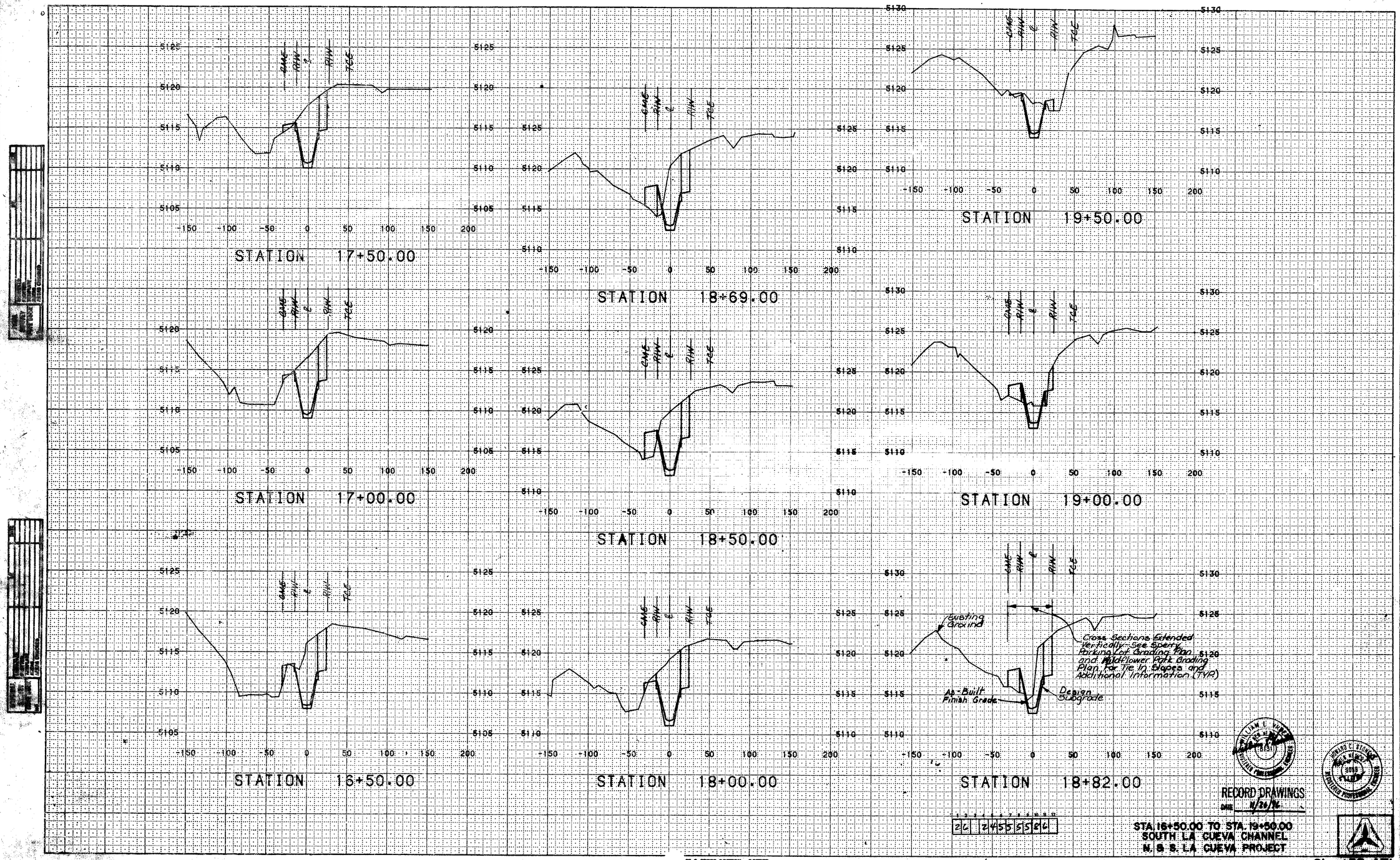


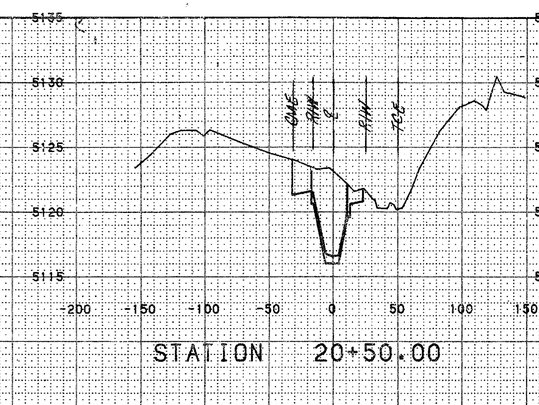
PLATE 3 CROSS SECTION - DOTTED
CHARLES GUARINO COMPANY
MADE IN U.S.A.



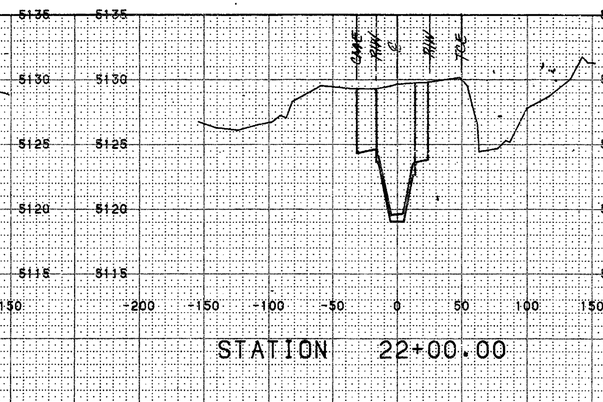
RECORD DRAWINGS
DATE 11/24/96

STA 16+50.00 TO STA 19+50.00
SOUTH LA CUEVA CHANNEL
N. S. S. LA CUEVA PROJECT

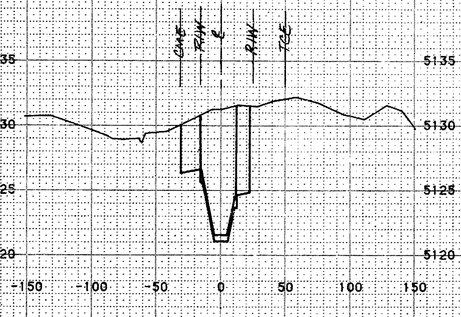
Sheet 55 of 71



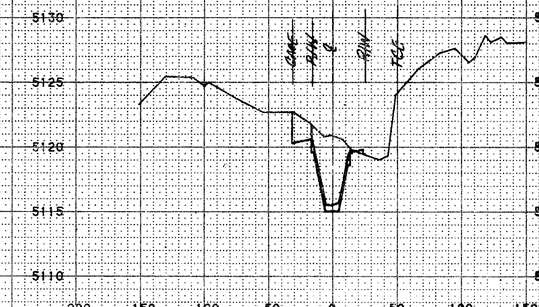
STATION 20+50.00



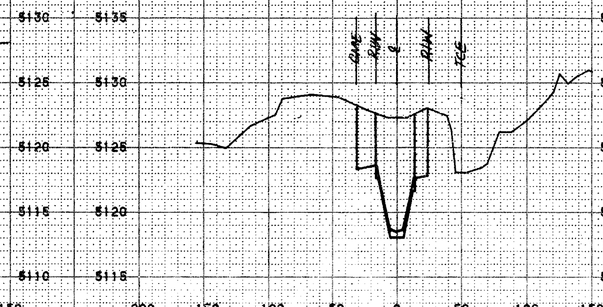
STATION 22+00.00



STATION 23+00.00



STATION 20+00.00

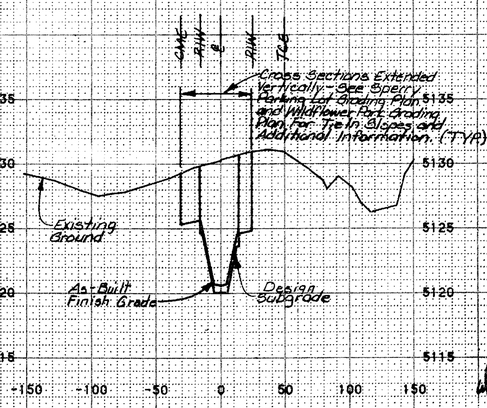


STATION 21+50.00

STATION 22+70.00

STATION 19+75.00

STATION 21+00.00



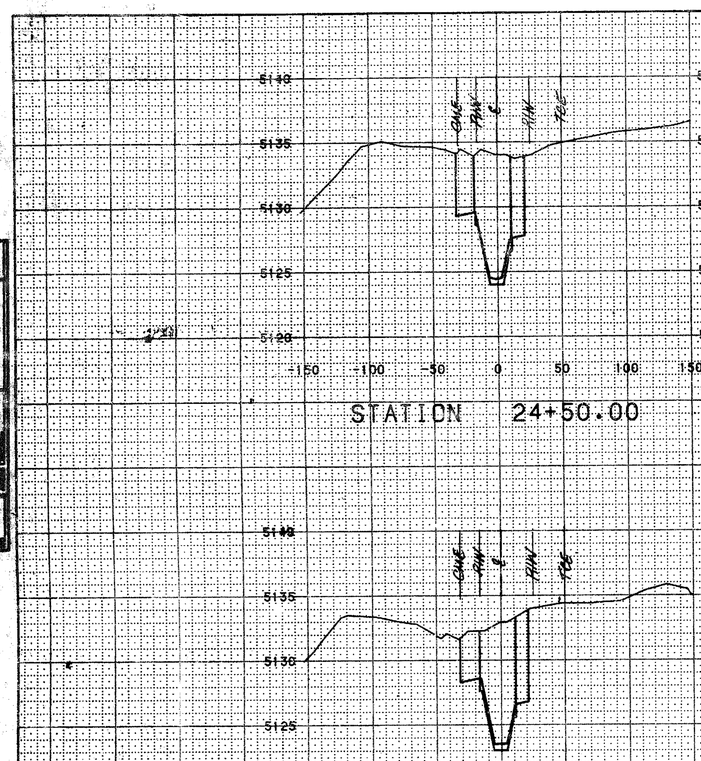
STATION 22+50.00

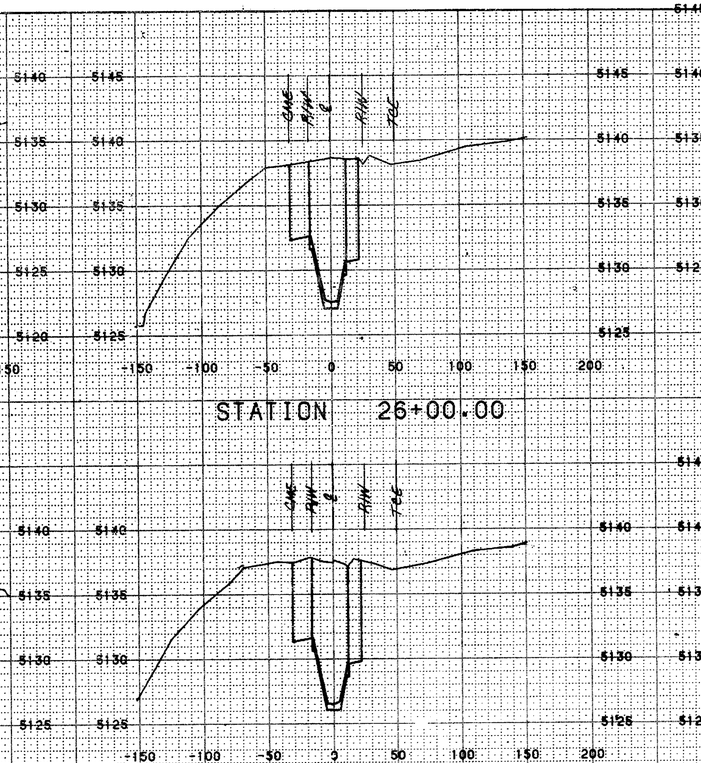
RECORD DRAWINGS
DATE 1/16/96

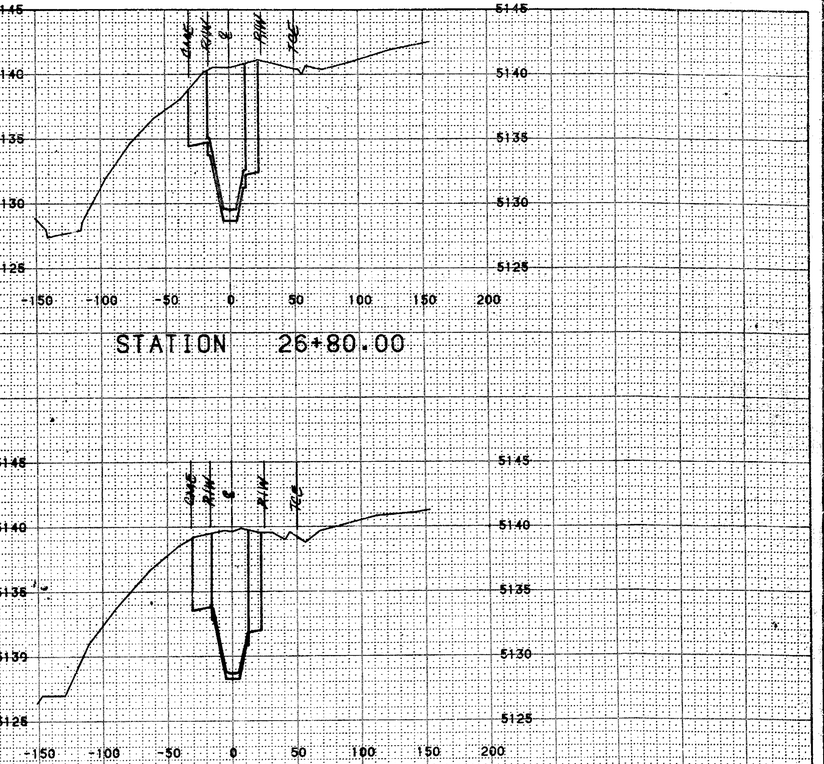
STA 19+75.00 TO STA. 23+00.00
SOUTH LA CUEVA CHANNEL
N. & S. LA CUEVA PROJECT

Sheet 2 of 21

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







ORIGINAL SURVEY NOTE BOOK
SURVEYED
DRAWN
TRACED
CHECKED

WILLIAM L. STONE
No. 3018
REGISTERED PROFESSIONAL ENGINEER

RICHARD P. STONE
No. 3018
REGISTERED PROFESSIONAL ENGINEER

RECORD DRAWINGS
DATE 11/84

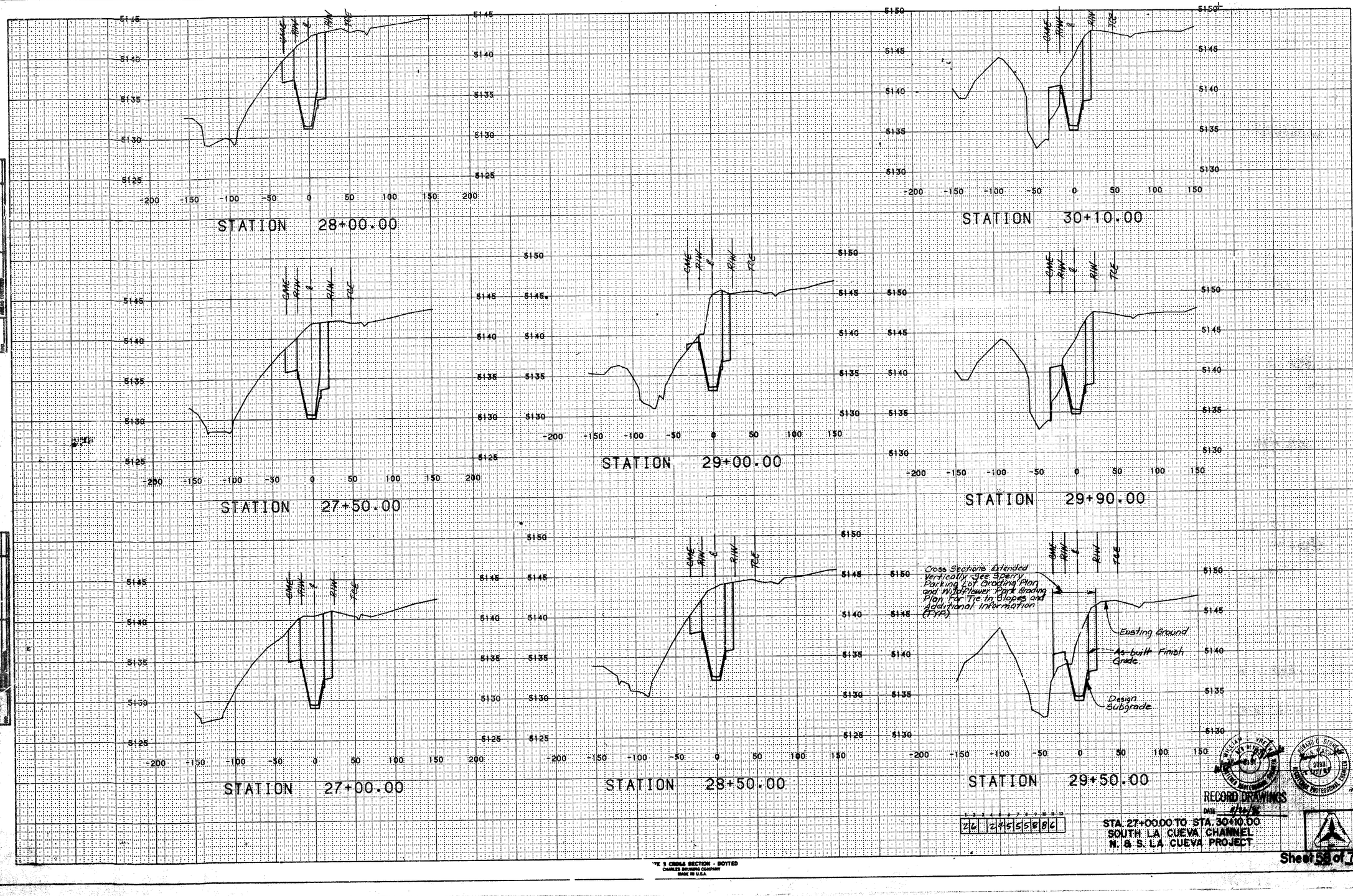
1	2	3	4	5	6	7	8	9	10	11	12
26	2	45	5	5	7	8	6				

STA. 23+50.00 TO STA. 26+80.00
SOUTH LA CUEVA CHANNEL
N. & S. LA CUEVA PROJECT

Sheet 57 of 71

PLATE

ZONE SECTION - DOTTED
LEE BOLDING COMPANY
MADE IN U.S.A.

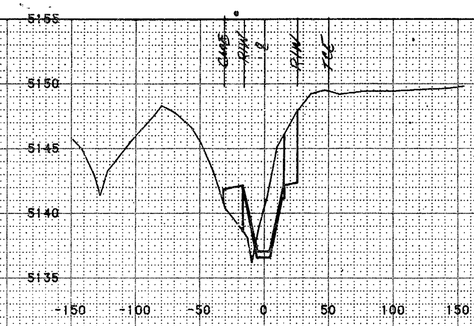


RECORD DRAWINGS
Date: 4/14/98

STA. 27+00.00 TO STA. 30+10.00
SOUTH LA CUEVA CHANNEL
N. & S. LA CUEVA PROJECT

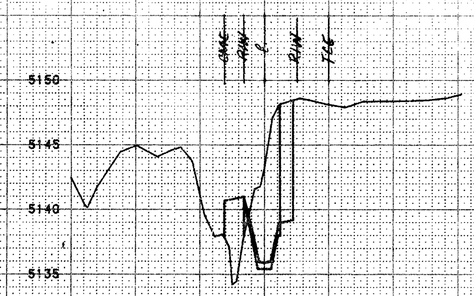
Sheet 58 of 71

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

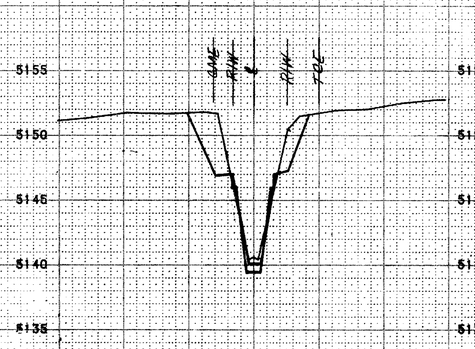


STATION 31+00.00

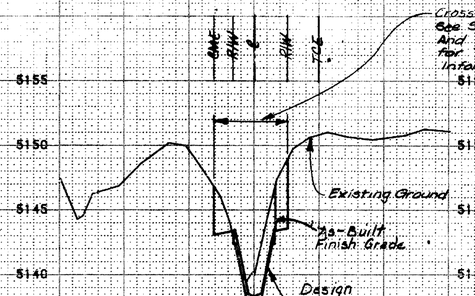
STATION 30+50.00



STATION 30+30.00



STATION 32+19.55



STATION 31+70.00

FINAL SURVEY WHITE CHECK

RECORD DRAWINGS
DATE 11-8-2006
U.S.A. PROJECT

STA 30+30.00 TO STA 32+19.55
SOUTH LA CUEVA CHANNEL
N. & S. LA CUEVA PROJECT

Sheet 59 of 71

PLOTTED CROSS SECTION - DOTTED
KEUFFEL & ESSER BRUNING COMPANY
MADE IN U.S.A.

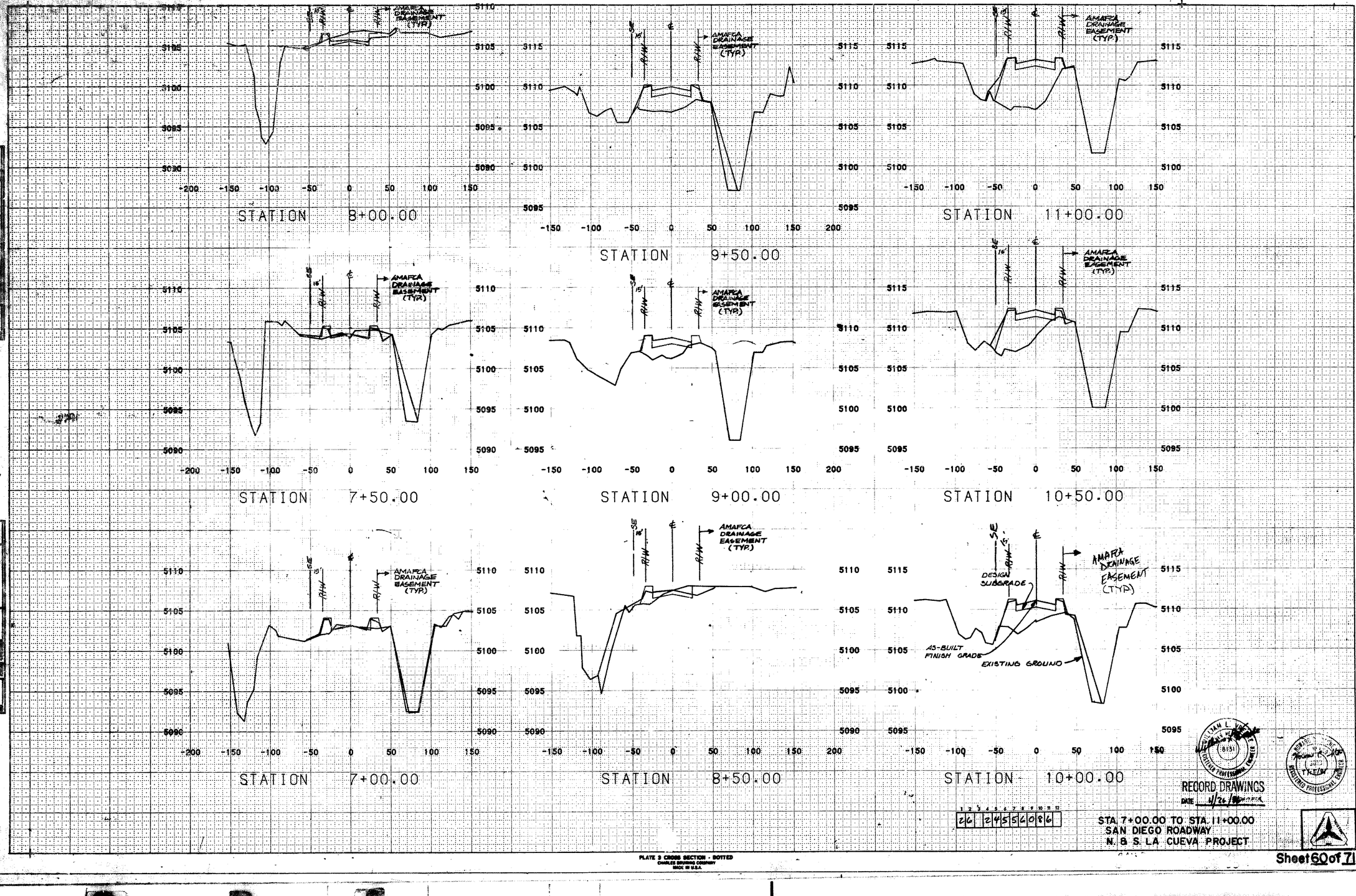


PLATE 3 CROSS SECTION - DOTTED
CHARLES DRUMMOND COMPANY
MADE IN U.S.A.

RECORD DRAWINGS
DATE 4/26/[illegible]

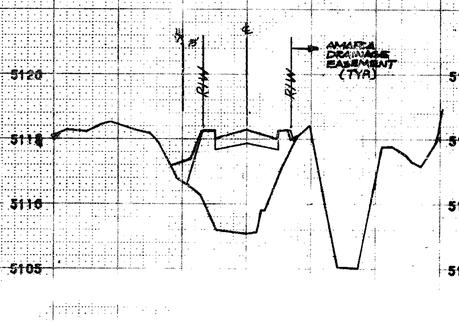
26	2	45	56	08	6						

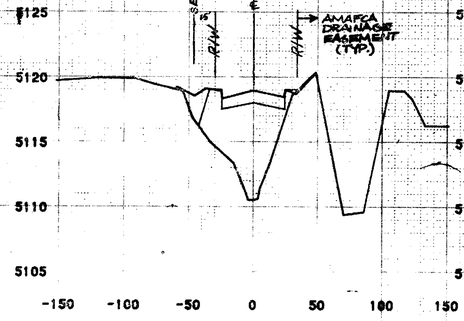
STA. 7+00.00 TO STA. 11+00.00
SAN DIEGO ROADWAY
N. & S. LA CUEVA PROJECT

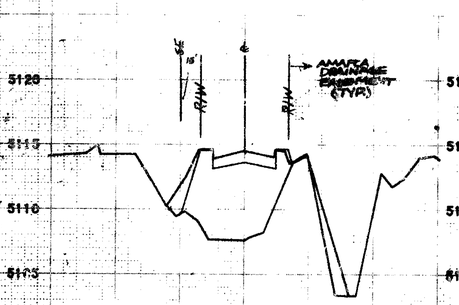
Sheet 60 of 71

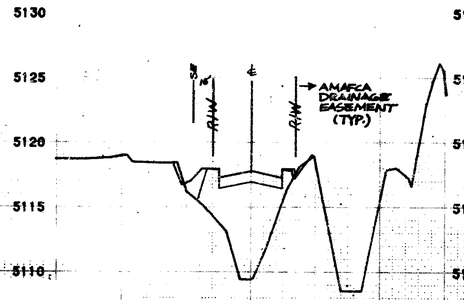
C

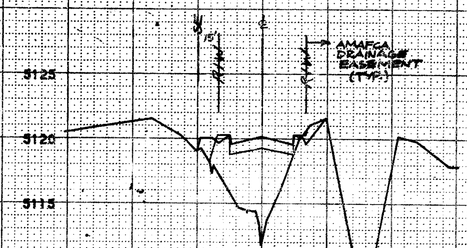
CITY OF ALBUQUERQUE

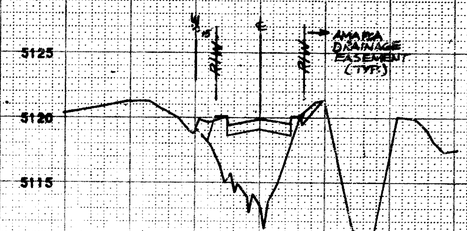


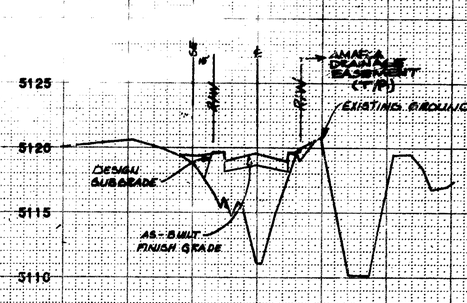








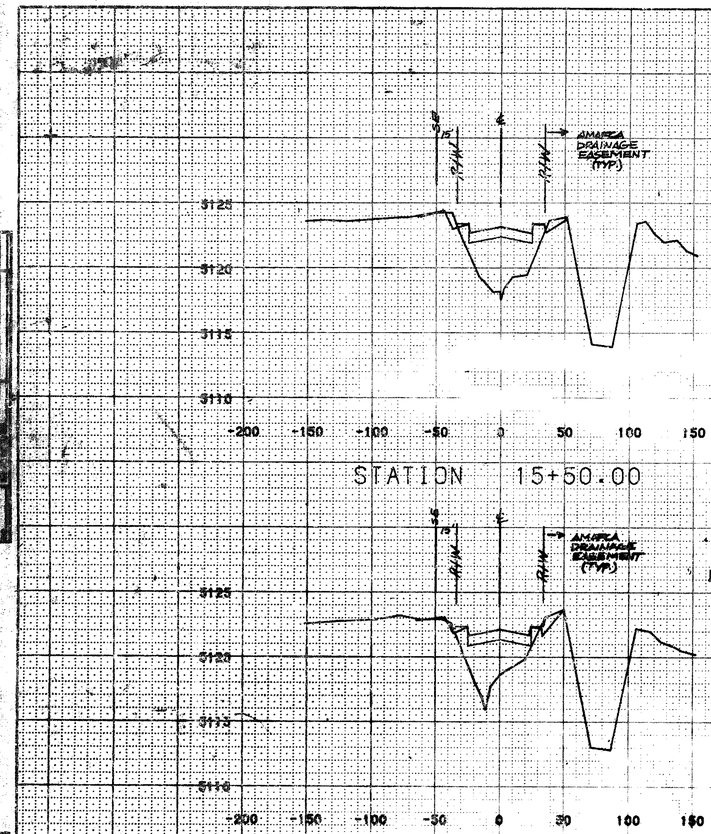




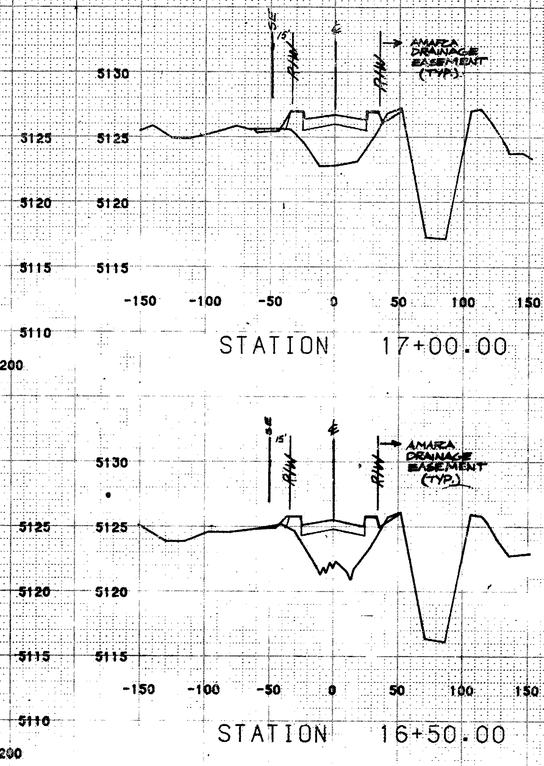
RECORD DRAWINGS

STA 11+50.00 TO STA 14+09.00
SAN DIEGO ROADWAY
S.S.S.D. CMOM PROJECT

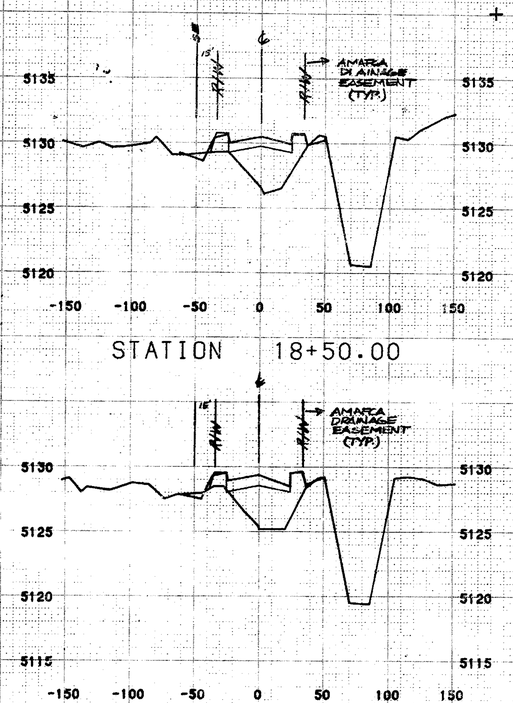
Sheet 51 of 71



STATION 15+50.00



STATION 17+00.00

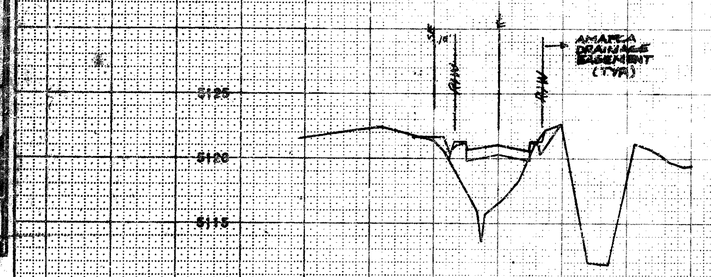


STATION 18+50.00

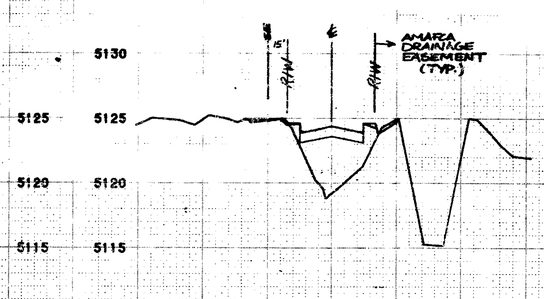
STATION 15+00.00

STATION 16+50.00

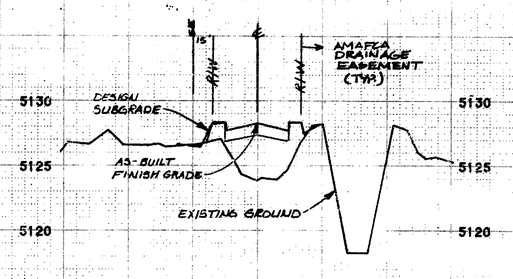
STATION 18+00.00



STATION 14+50.00



STATION 16+00.00

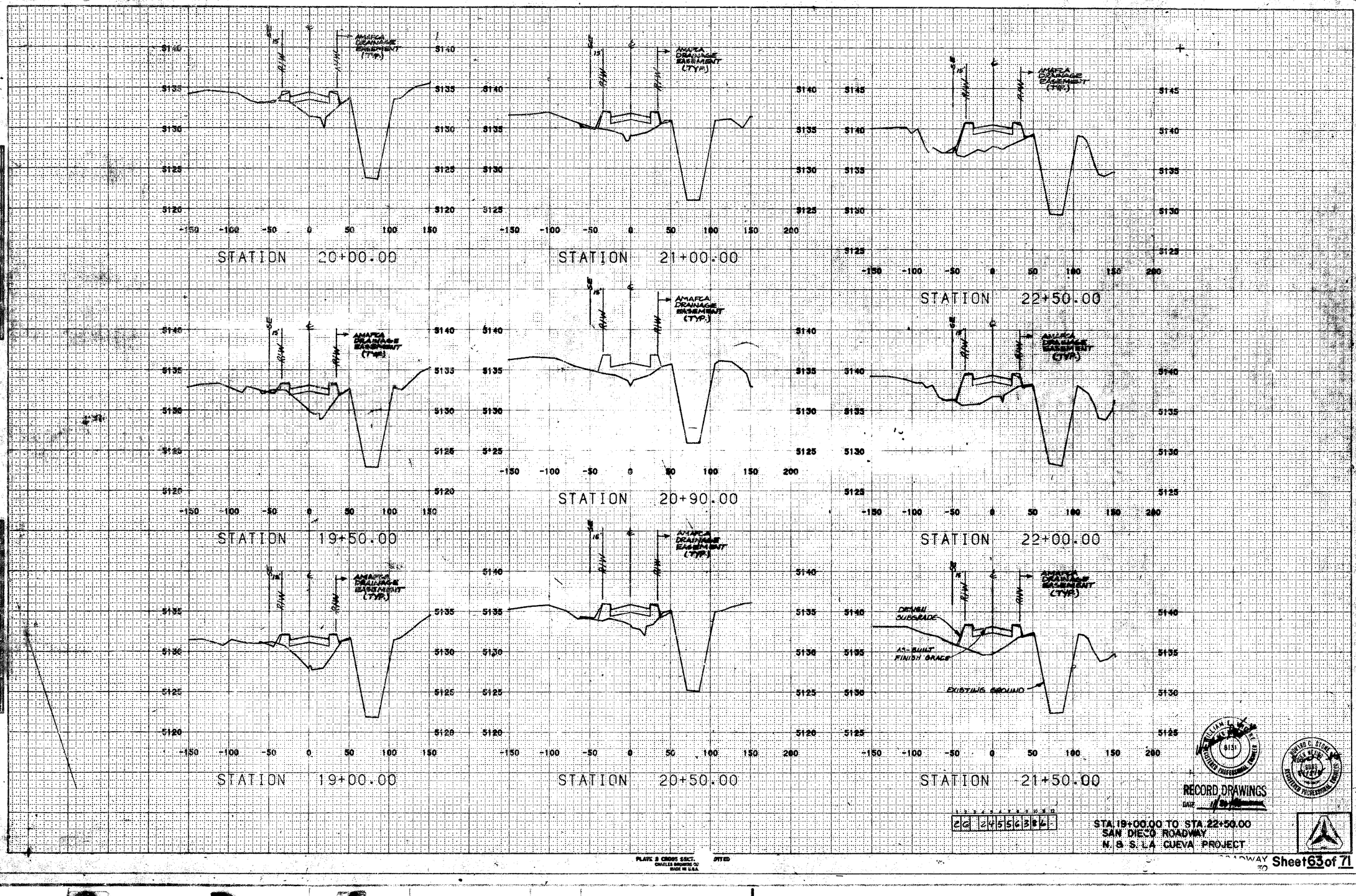


STATION 17+50.00

RECORD DRAWINGS
DATE 11/24

STA. 14+50.00 TO STA. 18+50.00
SAN DIEGO ROADWAY
N. & S. LA CUEVA PROJECT

Sheet 62 of 71

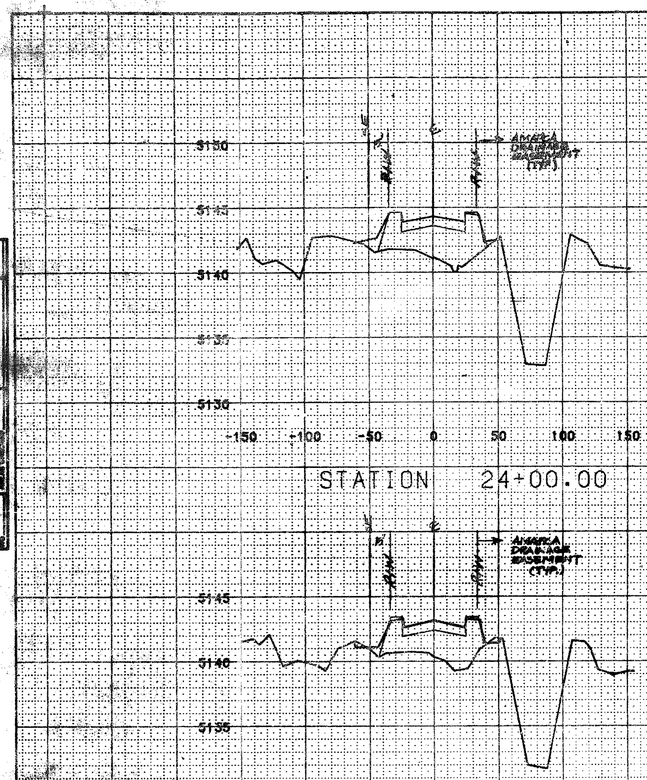


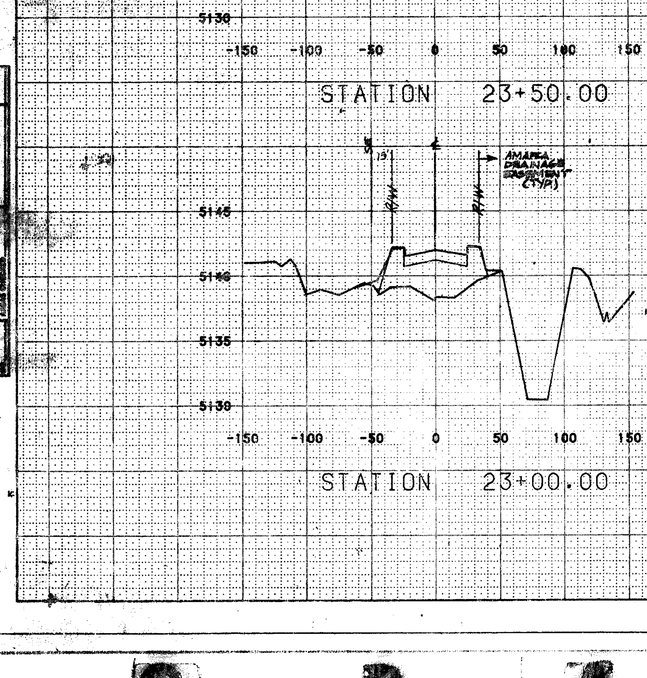
RECORD DRAWINGS

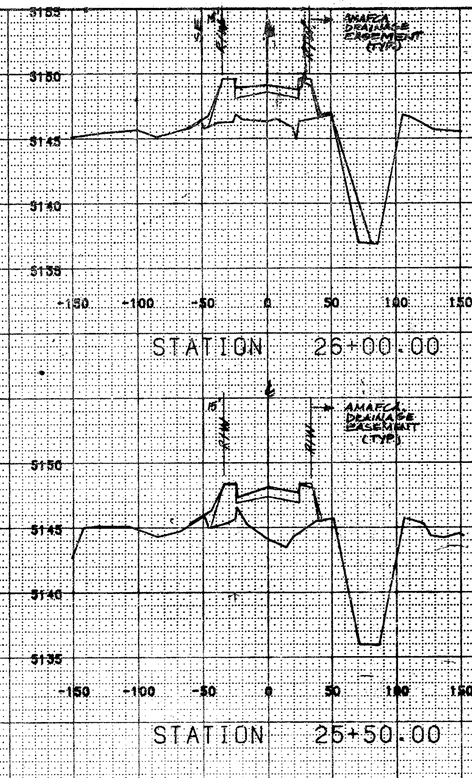
DATE

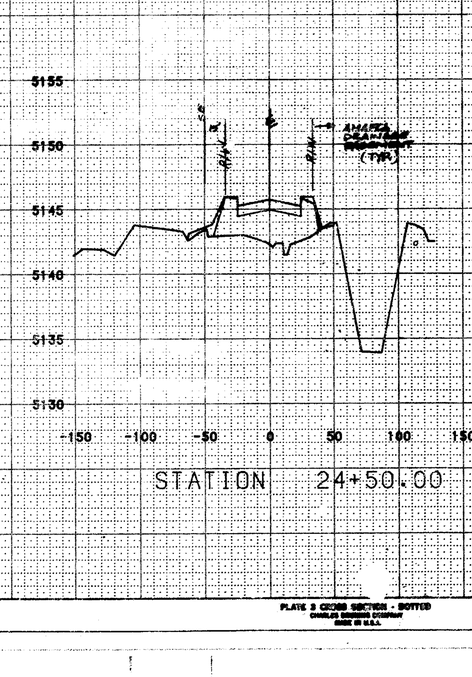
STA 19+00.00 TO STA 22+50.00
SAN DIEGO ROADWAY
N. & S. LA CUEVA PROJECT

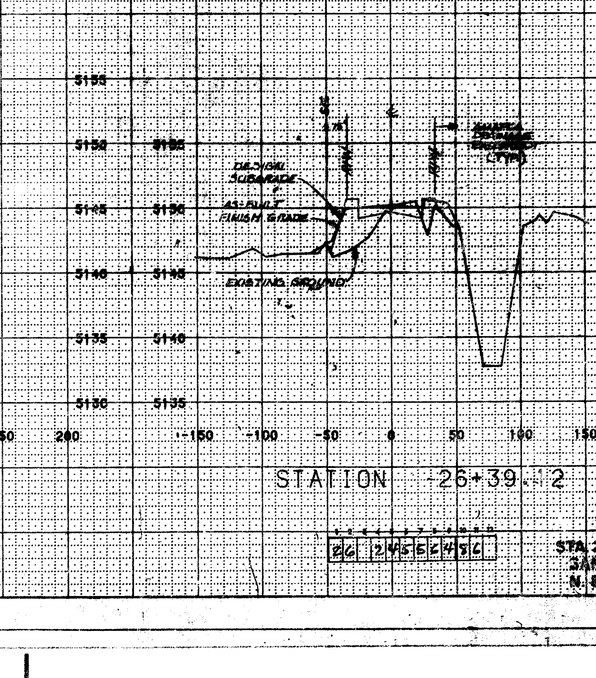
Sheet 63 of 71











RECORD DRAWINGS
DATE 11/20/79

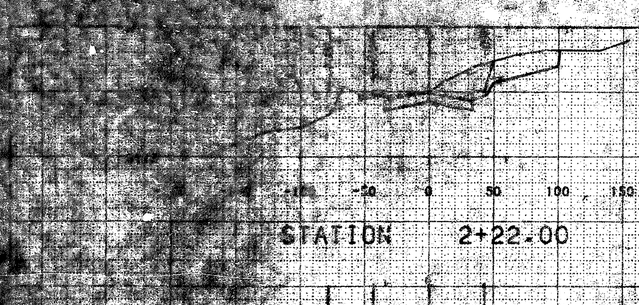
STA 23+00.00 TO STA 26+39.12
SAN DIEGO ROADWAY
N. & S. LA CUEVA PROJECT

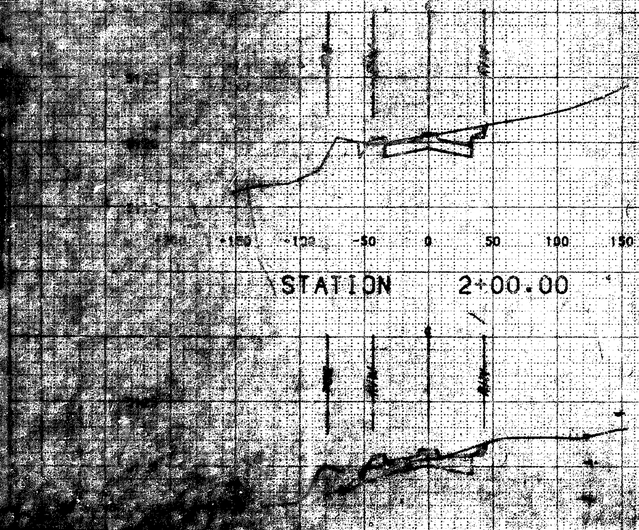
SAN DIEGO
STA 23+00.00 TO STA 26+39.12

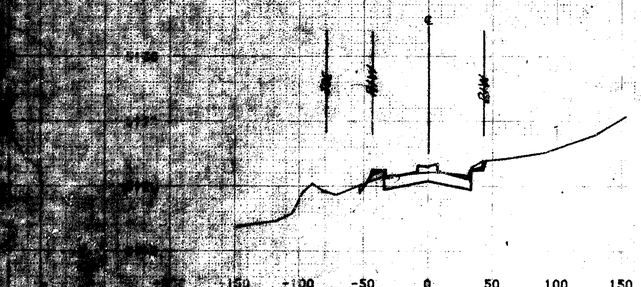
Sheet 6 of 11

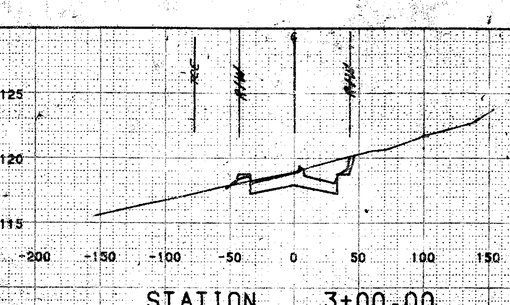
PLATE 2 CROSS SECTIONS - ROTTED
DOUGLAS BROWN COMPANY
MADE IN U.S.A.

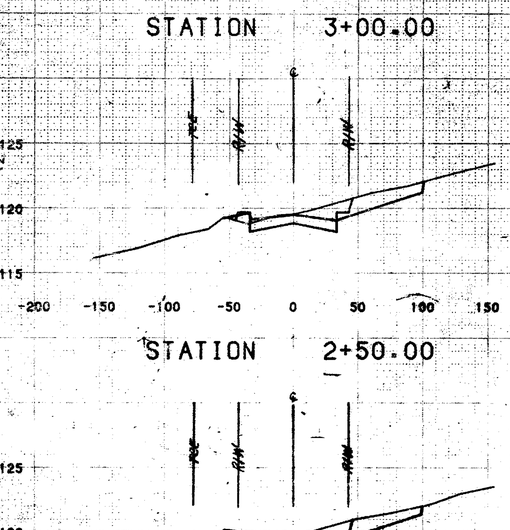
CITY OF ALBUQUERQUE

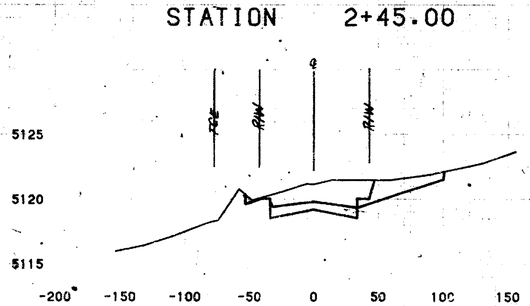


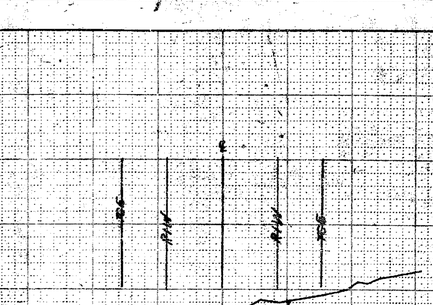


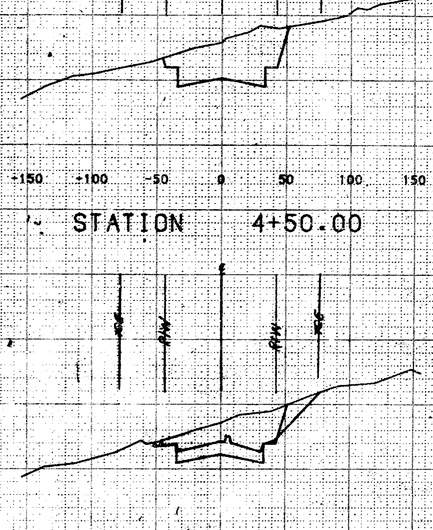


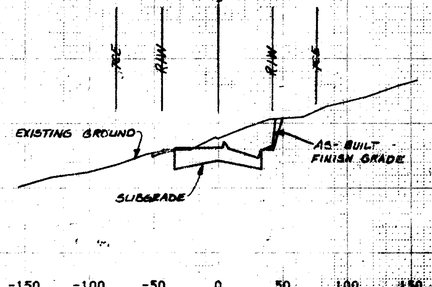










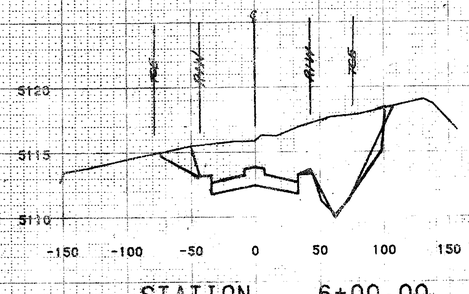


RECORD DRAWINGS

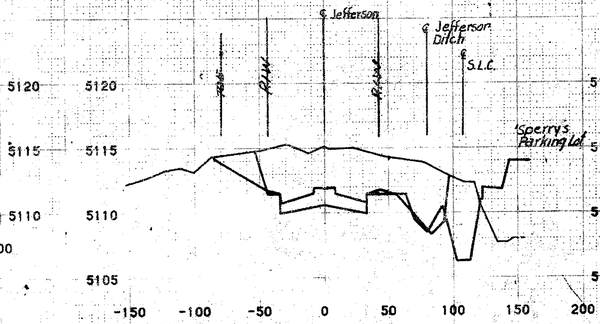
1	2	3	4	5	6	7	8	9	10	11	12
2	C	2	4	5	5	C	5	8	6		

STA. 1+00.00 TO STA. 4+50.00
JEFFERSON ROADWAY
N. & S. LA CUEVA PROJECT

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

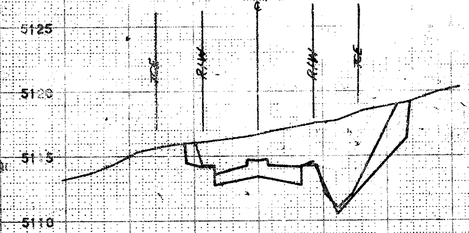


STATION 6+00.00



STATION 7+00.00

STATION 8+00.00



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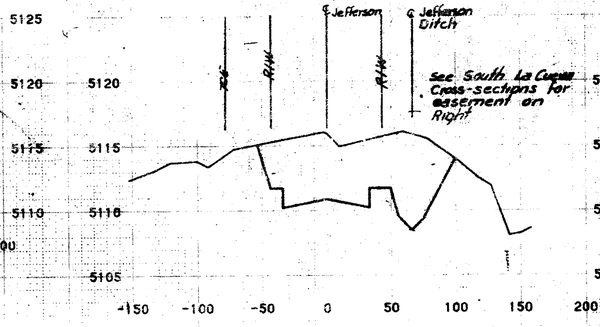

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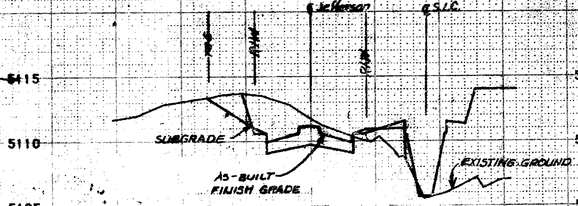

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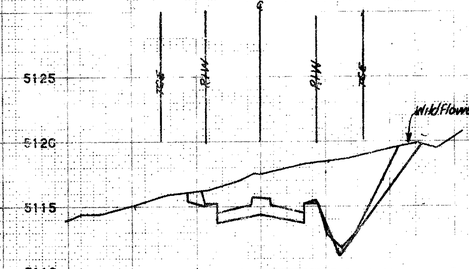

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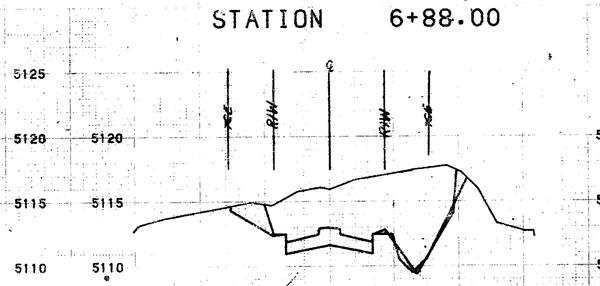
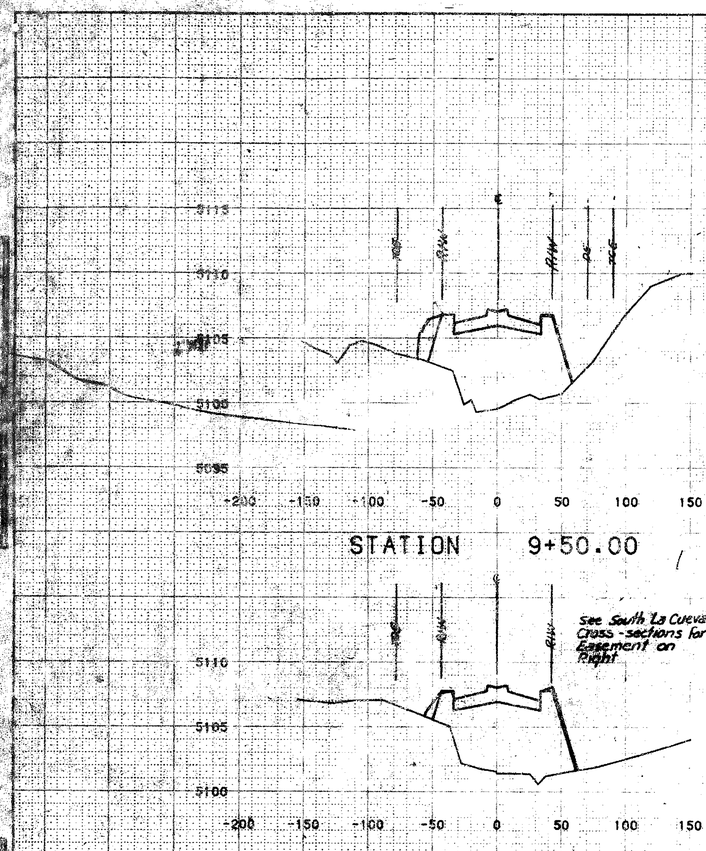


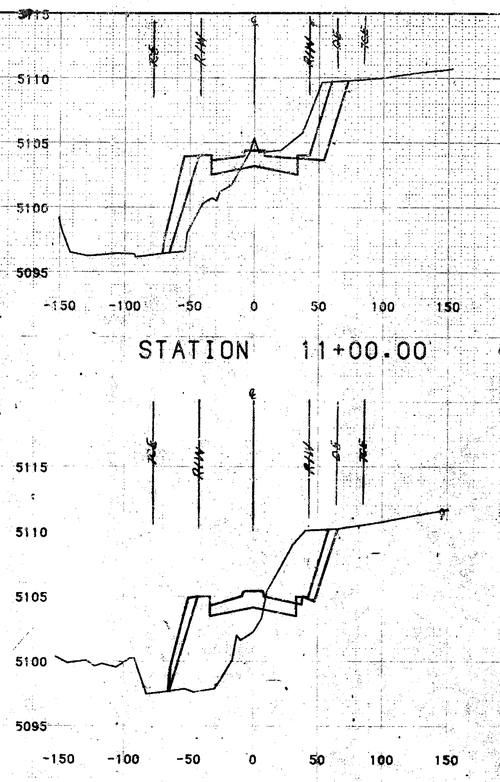
STATION 6+50.00

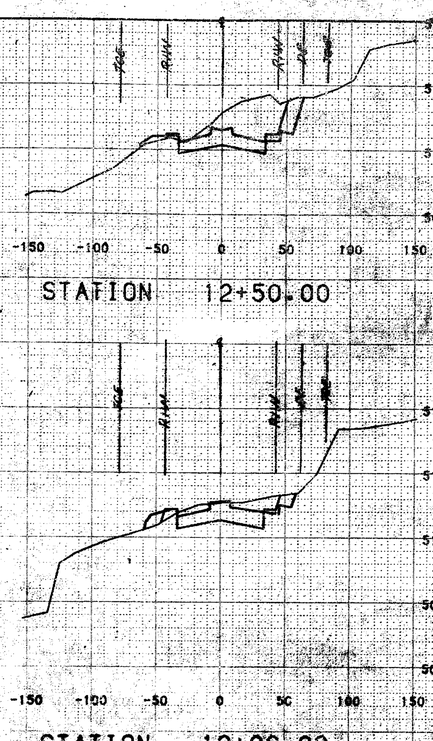
RECORD DRAWINGS
as of 6/76

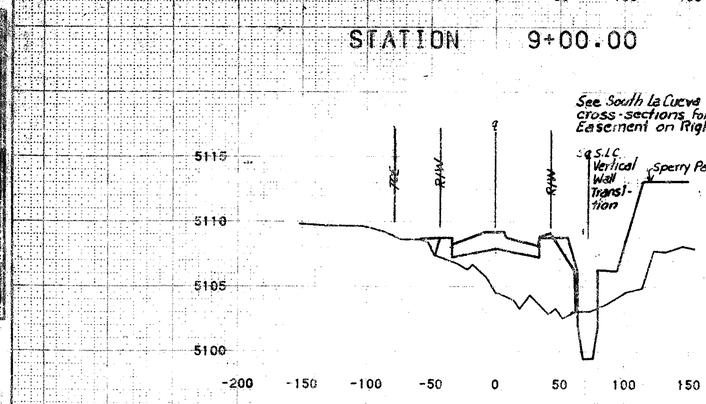
STA. 5+00.00 TO STA. 8+00.00
JEFFERSON ROADWAY
N.B.S.L.A. CUEVA PROJECT

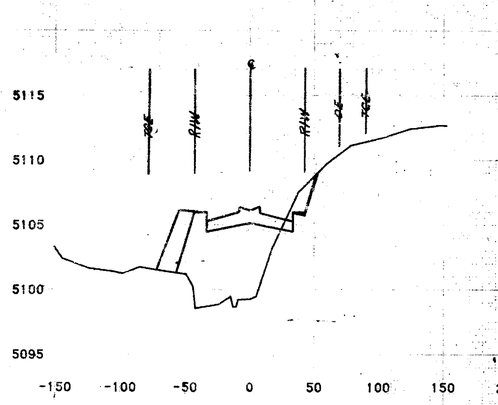
Sheet 2 of 2

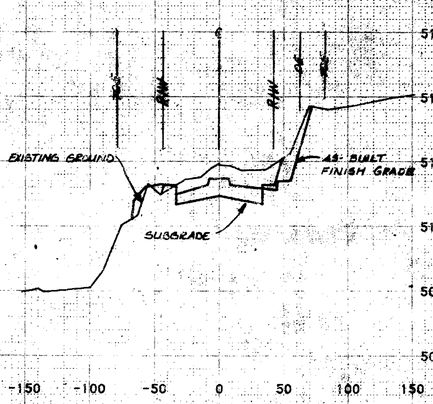








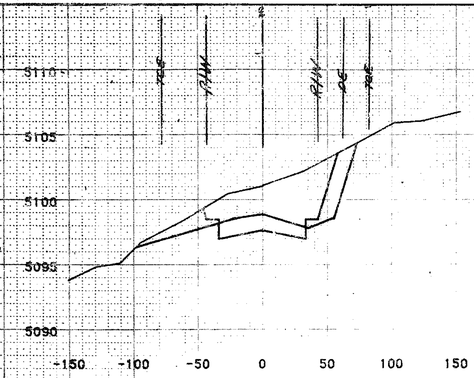




RECORD DRAWINGS

STA. 8+50.00 TO STA. 12+50.00
JEFFERSON ROADWAY
N. & S. LA CUEVA PROJECT

Sheet 67 of 71



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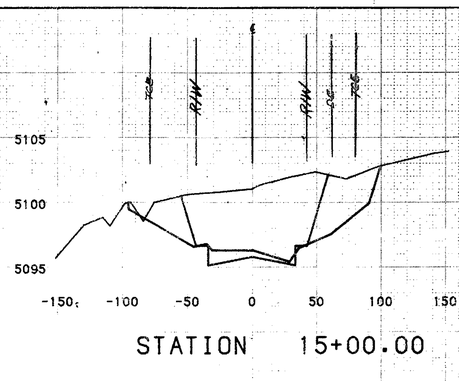

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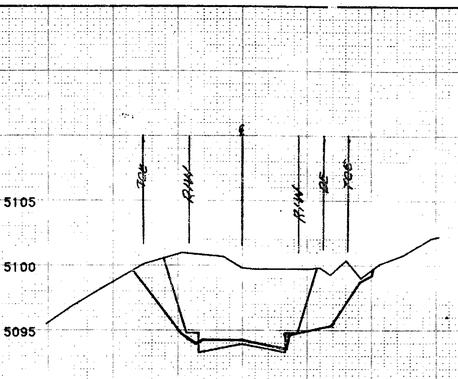

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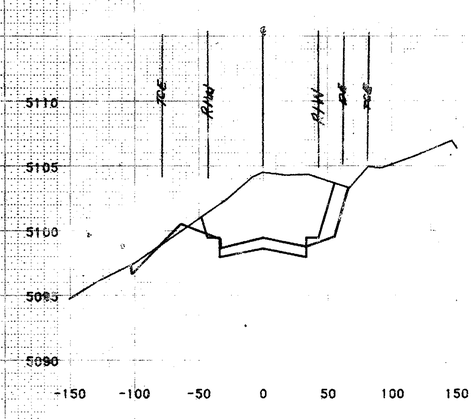

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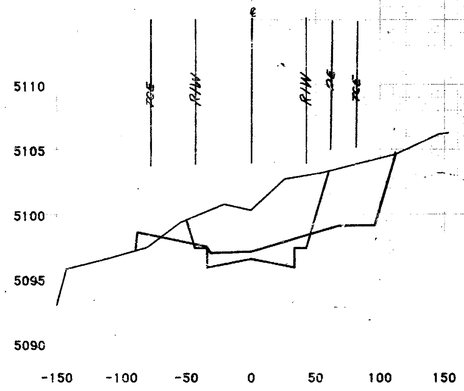

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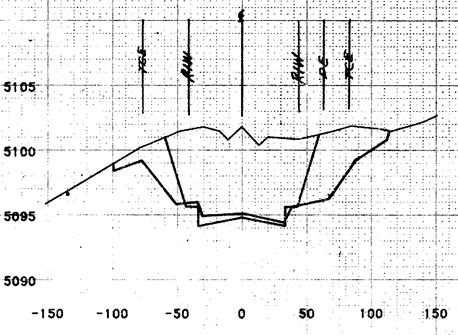

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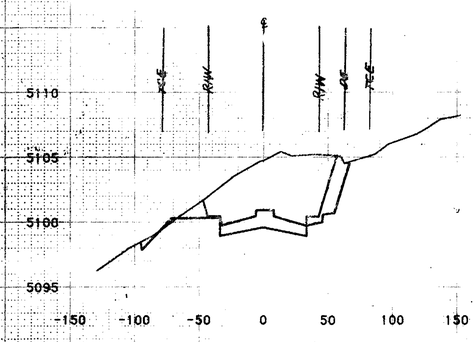

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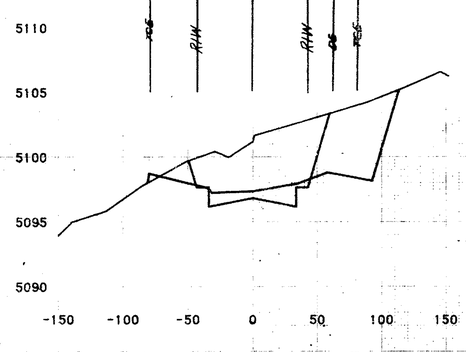

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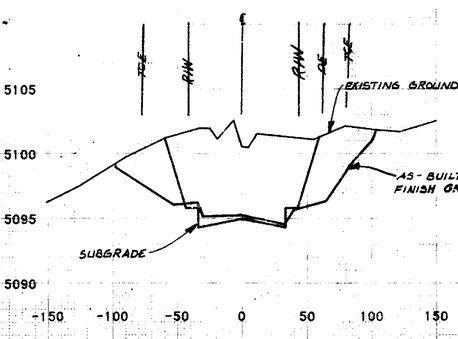
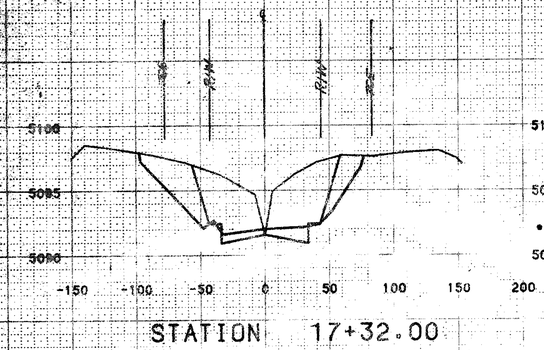


STATION 15+50.00

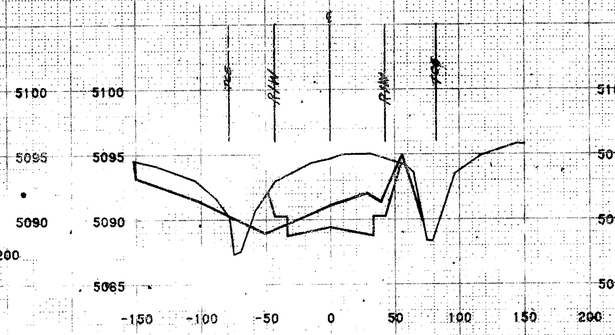
RECORD DRAWINGS
DATE 11/24/96

STA 13+00.00 TO STA 16+00.00
JEFFERSON ROADWAY
N. B. S. L.A. CUEVA PROJECT

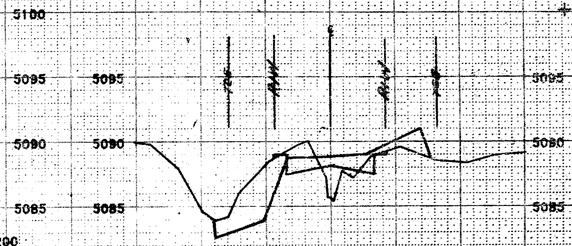
PLATE 5 CROSS SECTIONS
CHARLES BRUNING COMP...
MADE IN U.S.A.



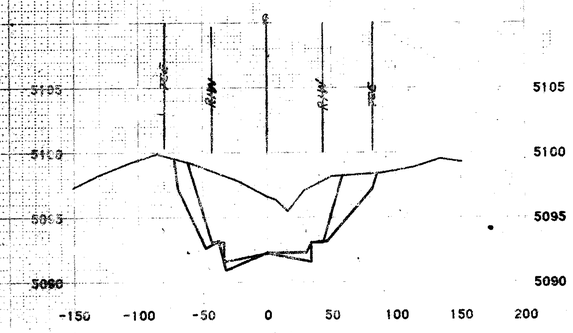
STATION 17+32.00



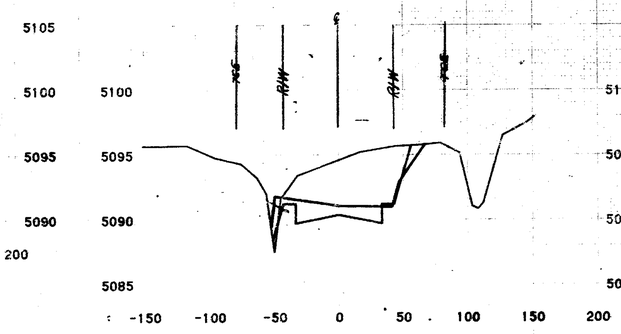
STATION 18+50.00



STATION 20+00.00



STATION 17+00.00



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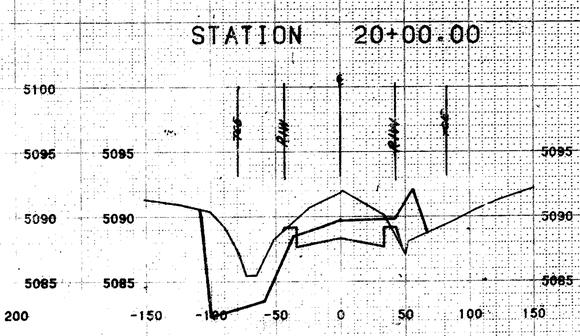
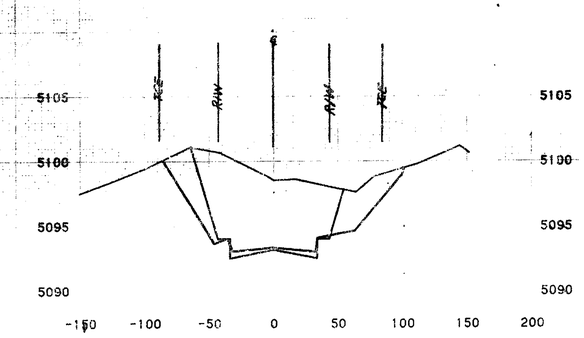
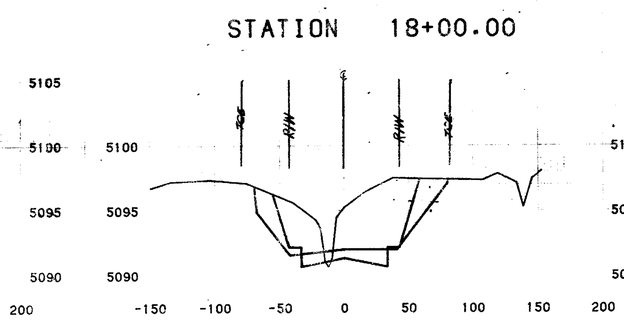


STATION 19+50.00



STATION 16+50.00



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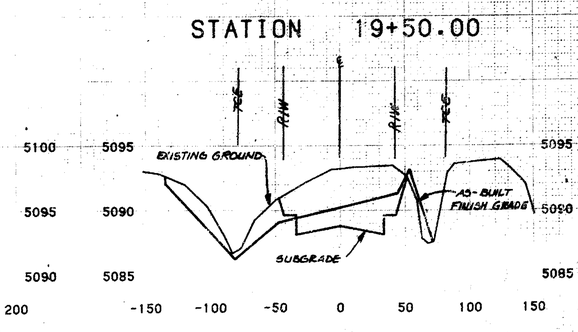


STATION 19+00.00

ORIGINAL SURVEY NOT TO BE REMOVED

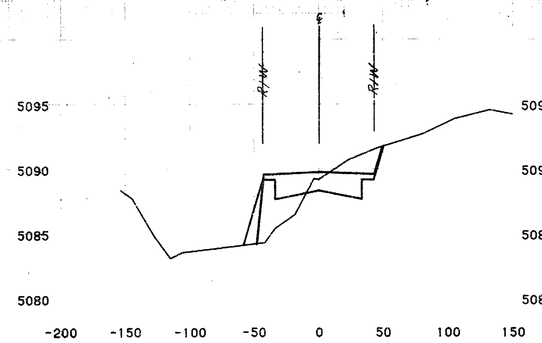
PLATE 3 CROSS SECTION

REVISED DRAWINGS 11/26/96

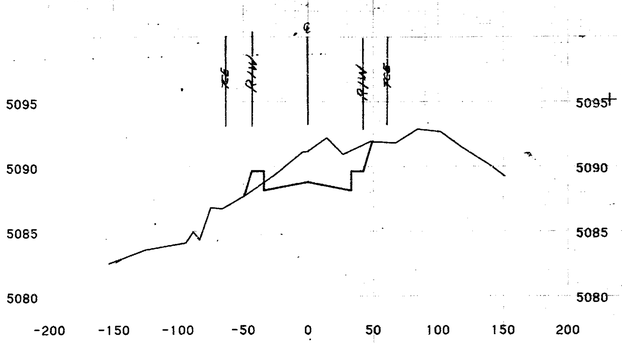
1	2	3	4	5	6	7	8	9	10	11	12
2	6	2	4	5	5	6	9	8	6		

STA. 16+50.00 TO STA. 20+00.00
JEFFERSON ROADWAY
N. & S. LA CUEVA PROJECT

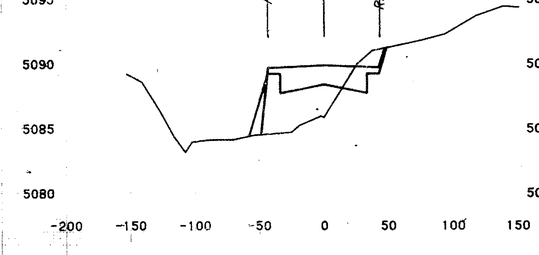
Sheet 69 of 71



STATION 20+63.00



STATION 21+86.00



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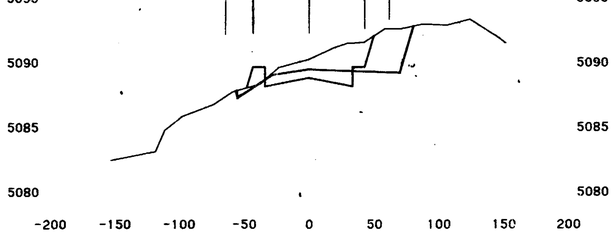
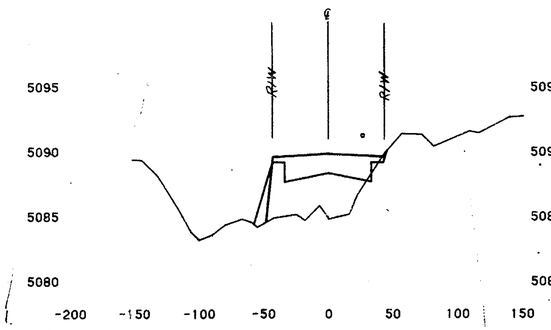
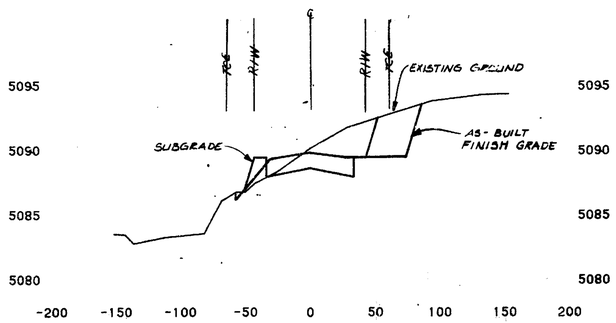


STATION 21+50.00



STATION 20+37.00



STATION 21+00.00

WILLIAM L. VREELAND
NEW MEXICO
6151
REGISTERED PROFESSIONAL ENGINEER

RECORD DRAWINGS
DATE 11/22/85

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

STA. 20+37.00 TO STA. 21+86.00
JEFFERSON ROADWAY
N. B. S. LA CUEVA PROJECT

PLATE NO. CH. JS SECTION - DOTTED
A BRUNING COMPANY
MADE IN U.S.A.

Sheet 7 of 7