

PIEDRA LISA DAM *As built*

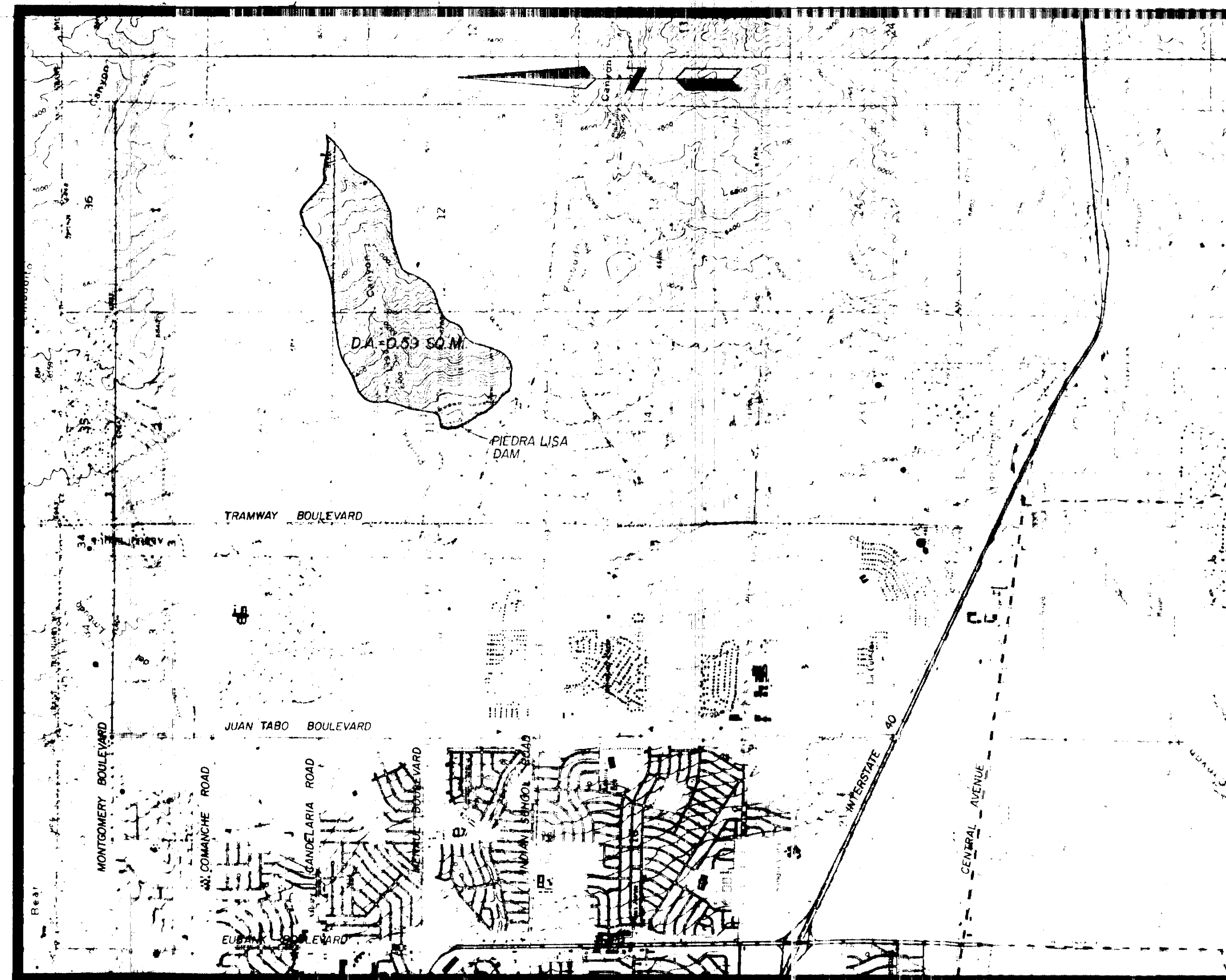
ALBUQUERQUE, NEW MEXICO

1981

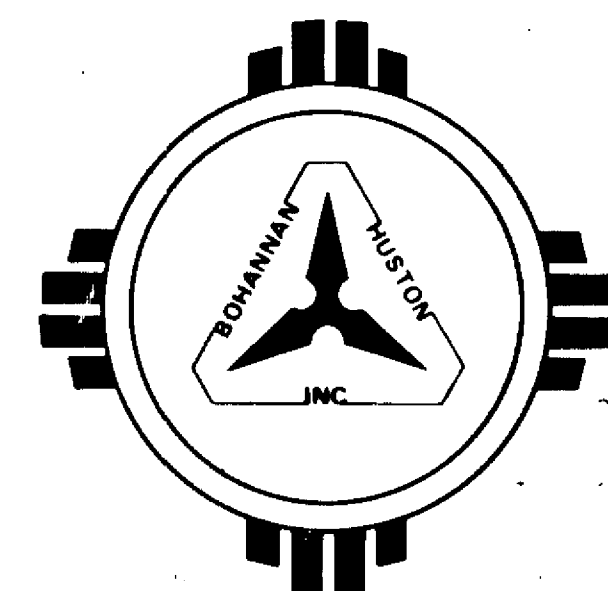


INDEX OF SHEETS

SHEET NO.	TITLE
1.	COVER SHEET
2.	HYDROLOGY
3.	LOGS OF TEST HOLES
4.	DAM KEY TRENCH
5.	DAM TOPOGRAPHY
5A.	DAM TOPOGRAPHY AS-BUILT
6.	NORTH INLET CHANNEL
7.	SOUTH INLET CHANNEL
8.	CHANNEL DETAILS
9.	PRINCIPAL SPILLWAY
10.	EMERGENCY SPILLWAY
11.	EMERGENCY SPILLWAY DETAILS
12.	TRASH RACK
13.	BAR BENDING SCHEDULE
14.	BAR BENDING SCHEDULE



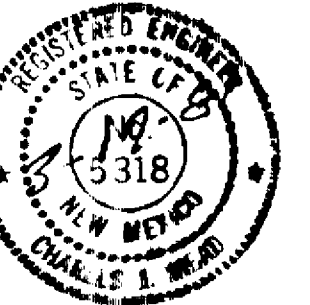
VICINITY AND GENERAL AREA MAP
NO SCALE



STATE OF NEW MEXICO)
COUNTY OF BERNALILLO)

I, Charles J. Mead, state that I am a Registered Professional Engineer qualified in Civil Engineering and that the accompanying plans consisting of 14 sheets were prepared by me or under my direction and are true and correct to the best of my knowledge and belief.

Charles J. Mead, P.E.
New Mexico Registered Professional Engineer
No. 5318



Subscribed and sworn to before me this 17th day of March, 1981.
My commission expires March 3, 1981.
Notary Public

STATE OF NEW MEXICO)
COUNTY OF SANTA FE)

I hereby certify that the accompanying Plans and Specifications have been duly examined by me and approved as to form and content, and were duly accepted for filing on the 2nd day of April, 1981.

S. F. Reynolds
State Engineer
By: *[Signature]* Chief Technical Bureau
PIEDRA LISA DAM

City of Albuquerque Applicant, located in Bernalillo County, State of New Mexico. All courses true. The undersigned, City of Albuquerque Claimant, whose post office address is P.O. Box 1293, Albuquerque, County of Bernalillo, State of New Mexico, has caused to be located by a qualified Registered Engineer the Piedra Lisa Dam, as hereinafter described and indicated, hereby makes these several statements relative thereto and offers this map and statements for acceptance and filing in compliance with the laws of the State of New Mexico.

The Northeast corner of the outlet structure trash rack of Piedra Lisa Dam is situated in Section 11, Township 10 North, Range 4 East, N.M.P.M. at a point whose modified State Plane Coordinates, N.M. Central zone is X = 428335.127, Y = 1495306.143.

The Piedra Lisa Dam has the following properties:

Maximum height above foundation	18 Ft.
Length	889 Ft.
Maximum width at base	140 Ft.
Crest width	12 Ft.
Slope upstream face	3:1
Slope downstream face	3:1
Elevation at crest of dam	5928.0 Ft.
Elevation at spillway crest	5924.5 Ft.
Elevation of bottom of trash rack	5915.00 Ft.
Elevation of flow line of outlet conduit	5906.5 Ft.
Freeboard	3.5 Ft.
Width of Spillway	220 Ft.
Discharge capacity of spillway at elevation 5927.9	4973 CFS
Outlet conduit size and type	30" RCP
Outlet conduit capacity	108 CFS
Evacuation Time	13 Hrs.
Drainage area	.59 Sq.M.
Outlet plate controls in flow to conduit	
Outlet conduit is uncontrolled	27 inch

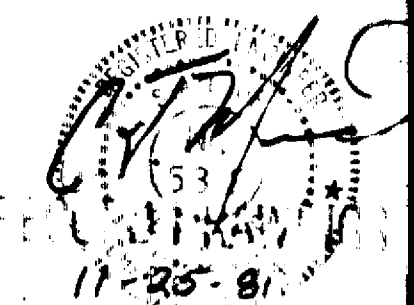
STATE OF NEW MEXICO)
COUNTY OF BERNALILLO)

I, Richard Heller, on behalf of the City of Albuquerque, being first duly sworn, upon my oath, state that I have read and examined the accompanying maps and statements (maps and statements consisting of 14 sheets) and know the contents thereof and representations thereon, and state that the same are true to the best of my knowledge and belief.

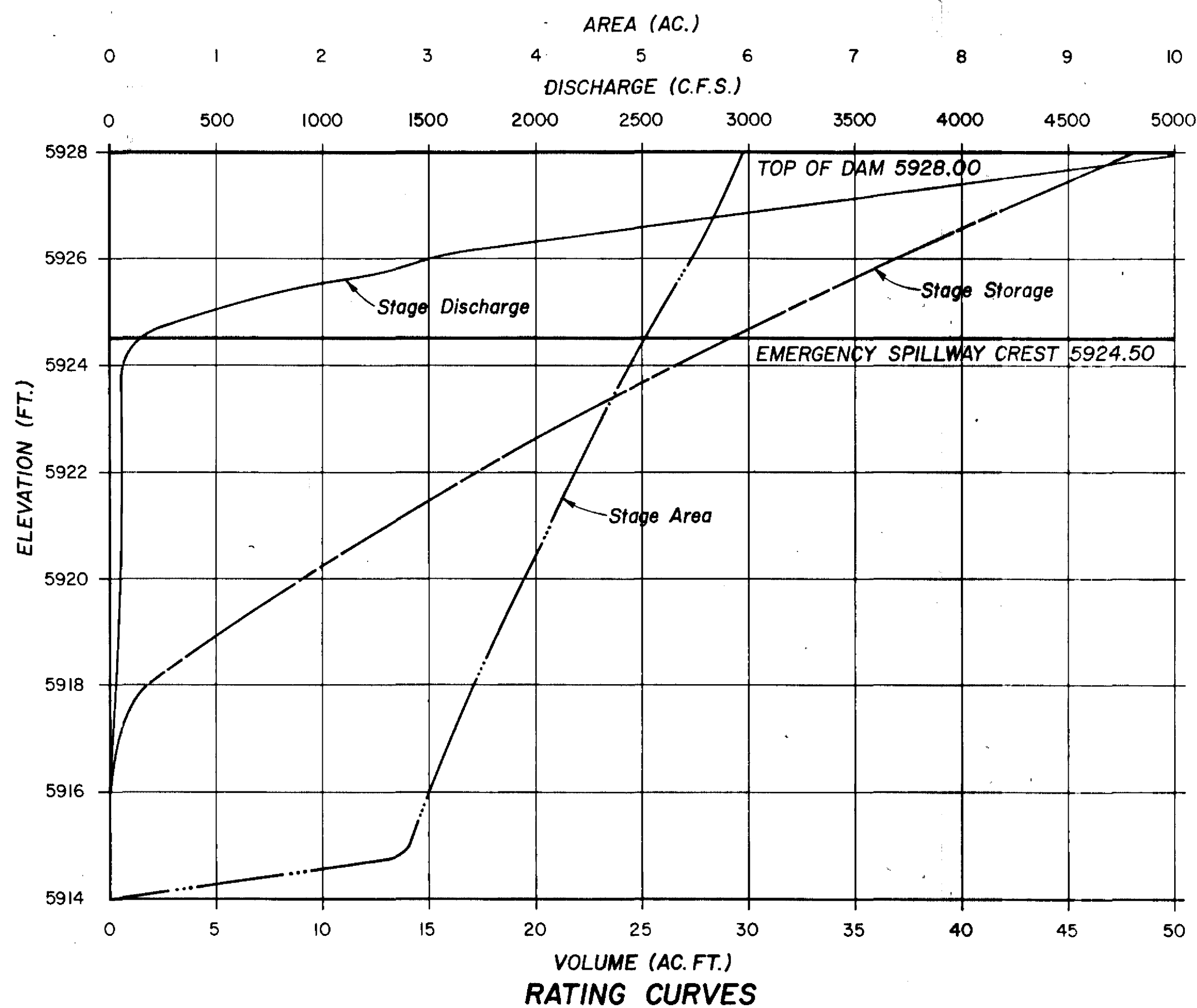
Richard Heller
Authority, Claimant

Subscribed and sworn to before me this 17th day of March, 1981.
Notary Public




My commission expires: 12/9/82



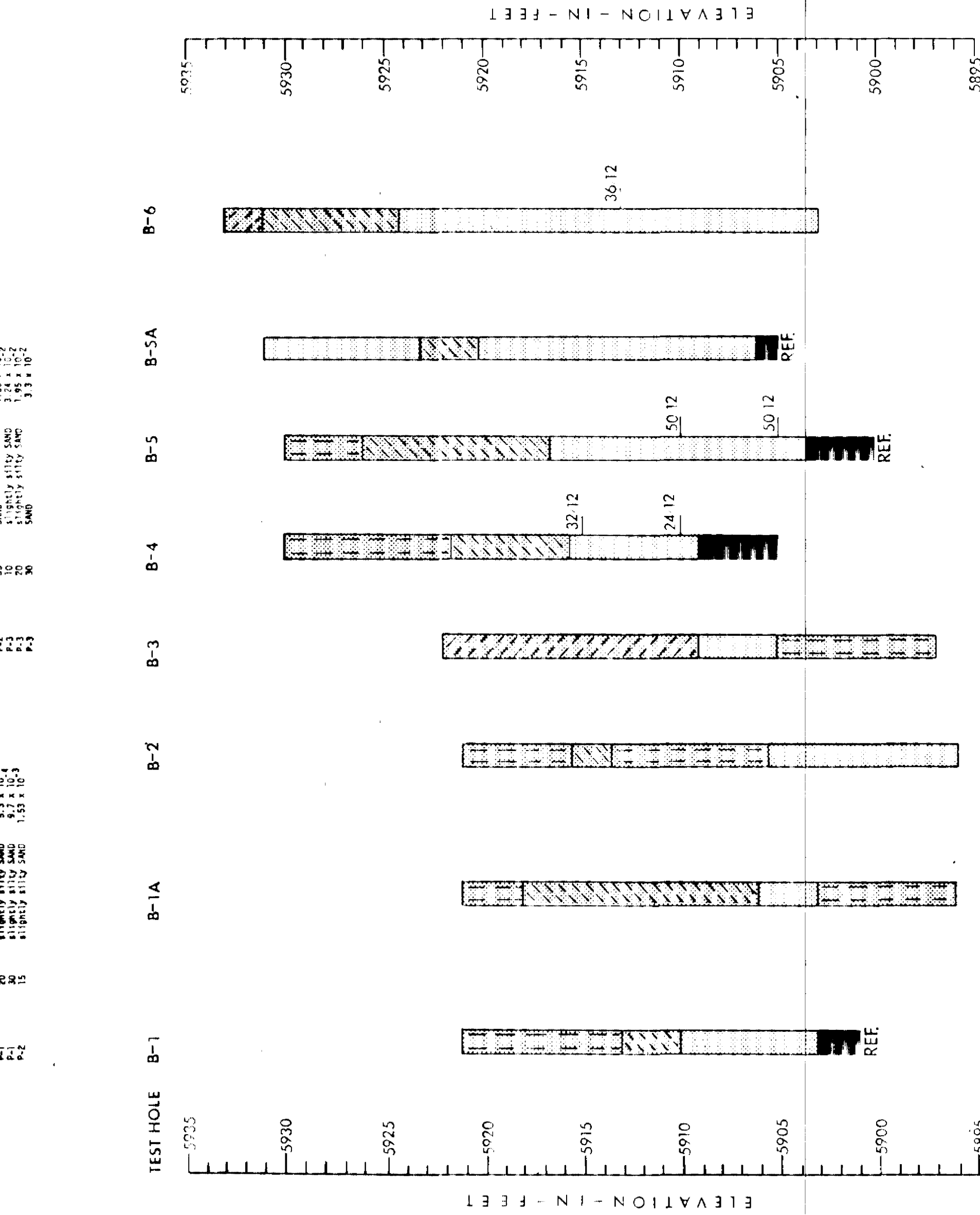
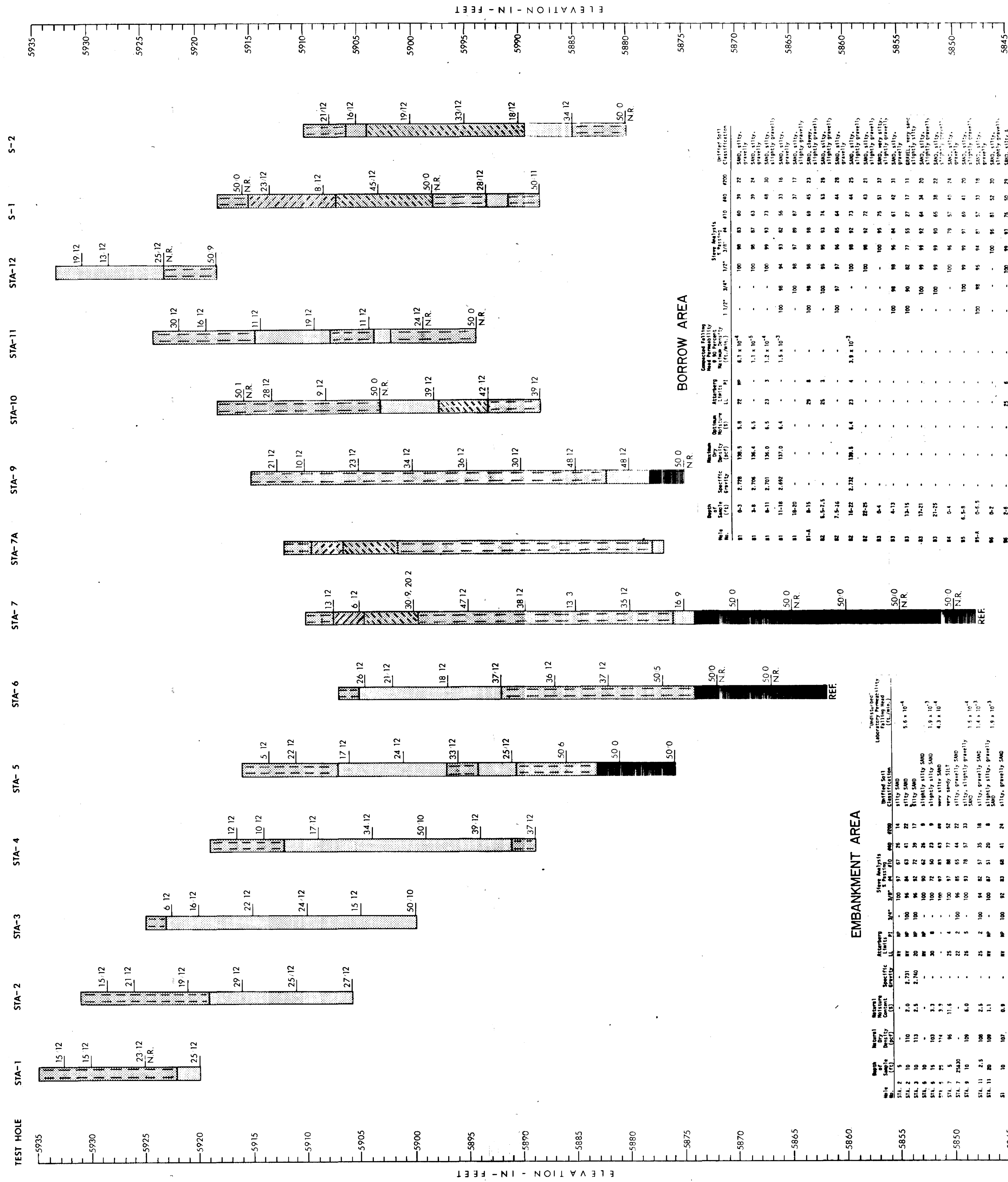
As built
Enter 3773
Rec'd April 2, 1982










Hydrology Ref.:
SOIL CONSERVATION SERVICE (S.C.S.)
NATIONAL ENGINEERING HANDBOOK SEC. 4
S.C.S. Hazard Classification: C
S.C.S. Runoff Curve NO. 85
Rainfall:
6 Hr. — P.M.P. = 17 Inches
6 Hr. — 100 Yr. = 2.8 Inches
Hydraulic Ref.:
KING & BRATER
Principal Spillway Orifice Coefficient = 0.60
Emergency Spillway Weir Coefficient = 3.55

PREPARED UNDER THE DIRECTION OF 			CITY OF ALBUQUERQUE			
	TITLE:		PIEDRA LISA DAM HYDROLOGY			
	APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
PROJECT NUMBER		DRAWING NO.		SHEET 2 OF 14		
01510						

As built

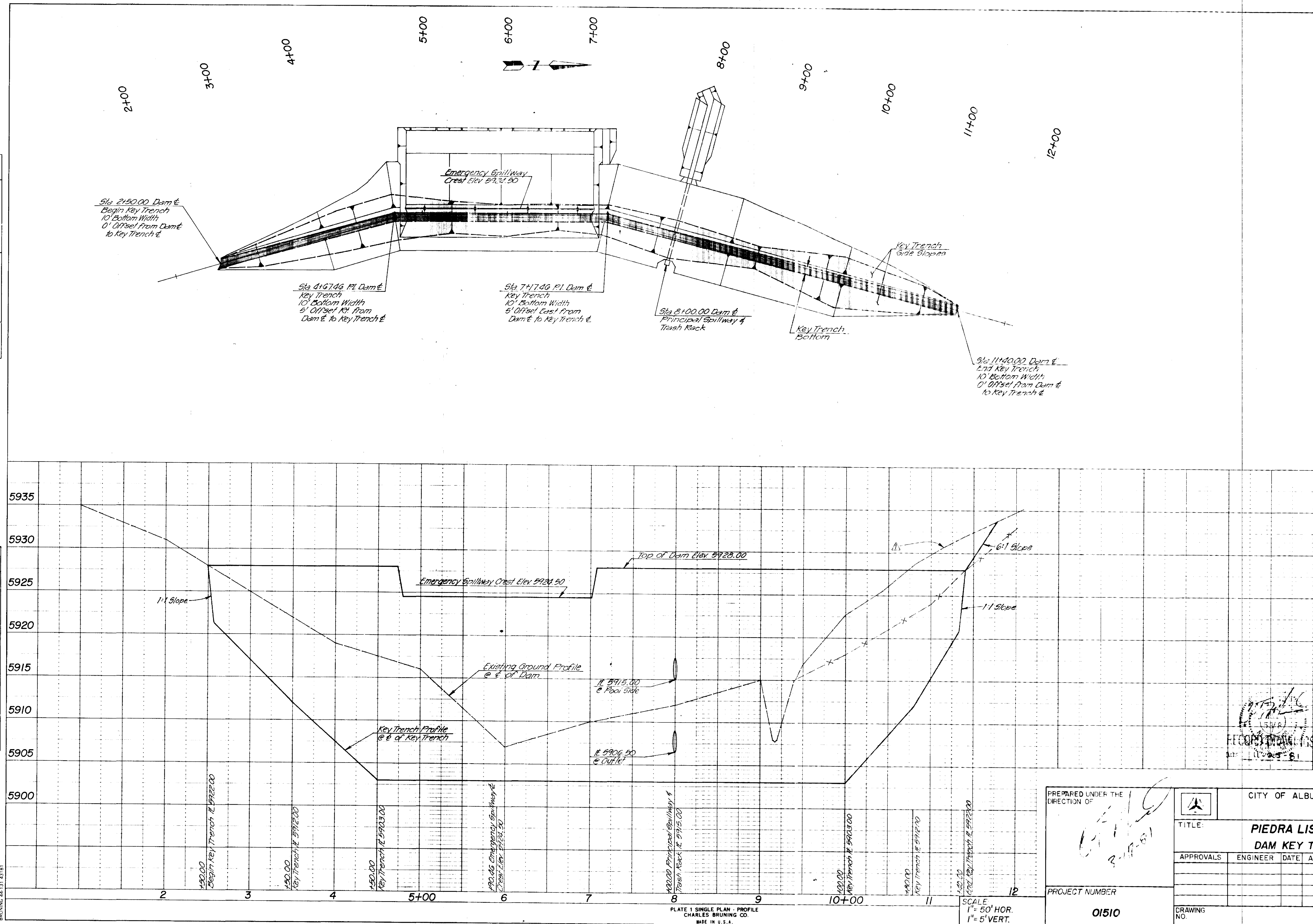


SUMMARY OF FIELD PERMEABILITY TESTS

	SAND, silty, coarse to fine-grained, loose to dense, dry to slightly moist, slightly gravelly to gravelly, calcareous to very calcareous, dark brown to light brown (30)
	SAND, slightly silty, coarse to fine-grained, gravelly, loose to dense, dry, slightly calcareous to calcareous, light brown to brown (30-35)
	SAND, very silty to silty, very sandy, slightly gravelly, medium dense to dense, dry to slightly moist, calcareous to calcareous
	SAND, very silty to silty, very sandy, slightly clayey, loose to medium dense, dry to medium moist, non-calcareous, brown (30-40)
	WEATHERED GRANITE, extremely hard, dry, slightly calcareous, very green to brown
	INDICATES NO SAMPLE RECOVERY
	INDICATES REFUSAL TO ACCEPT DRILLING

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

PROFILE	
SURVEYED BY	DATE
NOTED BY	DATE
GRADES CHECKED BY	DATE
STRUCTURE NOTATIONS CHKD BY	DATE
NO.	



AS-BUILT INFORMATION	
CONTRACTOR T. BROWN CONTRACTORS	DATE 4/81
WORK STARTED BY B.H.	DATE 10/23/91
WORK STOPPED BY P.R.B.	DATE 10/23/91
FIELD INSPECTION BY P.R.B.	DATE 11/23/91
DRAWINGS CHECKED BY B.H.	DATE 11/23/91
RECORDED BY	DATE
NO.	

BENCH MARKS	

SURVEY INFORMATION	
MAP NO.	DATE
EST. NO.	NO.
BY	

REFERENCES	
MAP NO.	DATE
EST. NO.	NO.
BY	

REVISIONS	
NO.	DATE
1	4/81 Revised Existing Ground

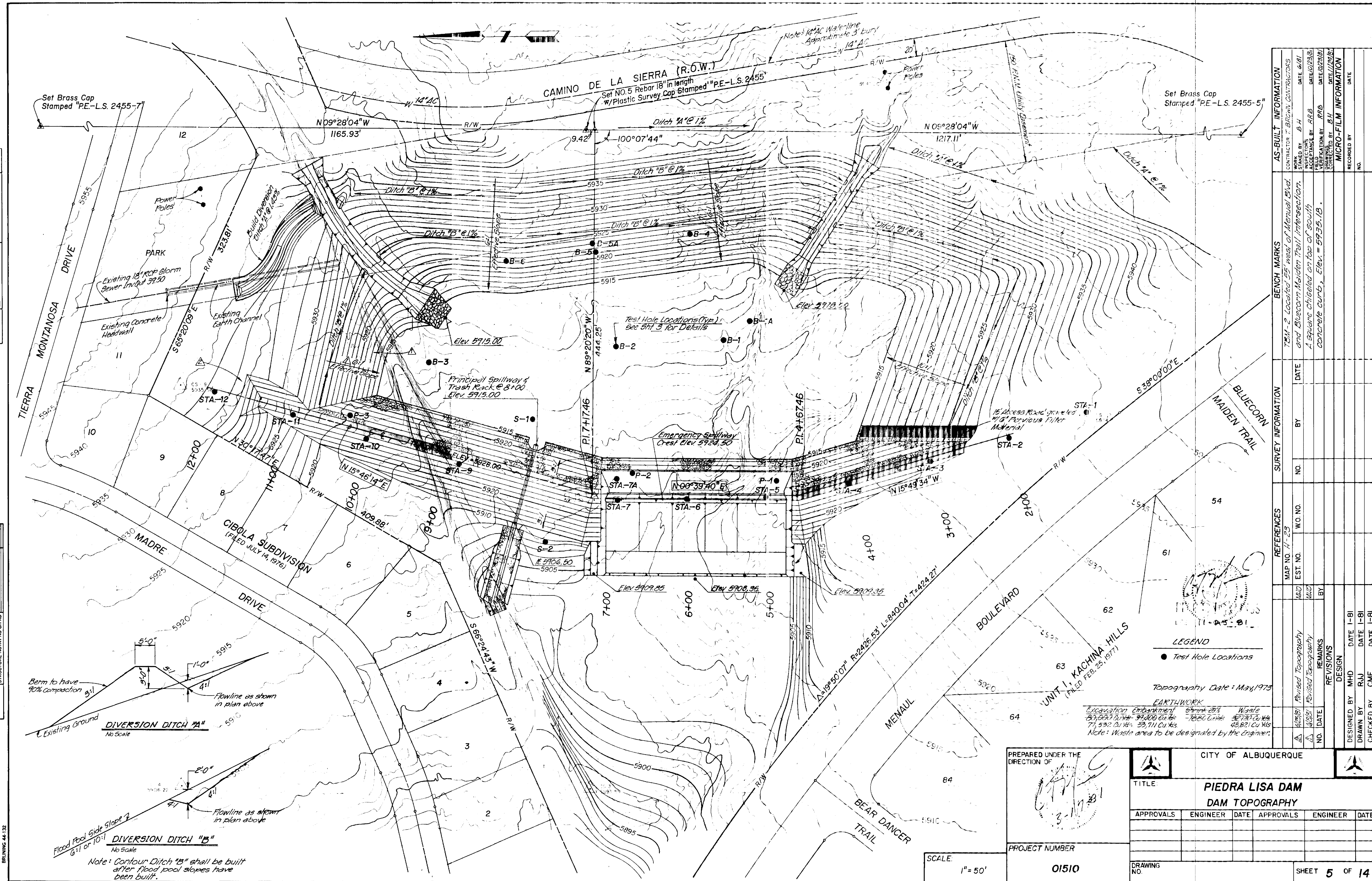
DESIGN	
DESIGNED BY MHD	DATE 1-81
DRAWN BY RJJ	DATE 1-81
CHECKED BY CME	DATE 1-81

PREPARED UNDER THE DIRECTION OF		CITY OF ALBUQUERQUE	
TITLE: PIEDRA LISA DAM		DATE: 3-17-81	
DAM KEY TRENCH			
APPROVALS	ENGINEER	DATE	APPROVALS
PROJECT NUMBER		SHEET 4 OF 14	
01510			
DRAWING NO.			

As-built

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

PROFILE	DATE	BY
SURVEYED		
NOTED		
GRADES CHECKED		
STRUCTURE NOTATIONS CHKD		
NO.		



AS-BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			REFERENCES			REVISIONS			DESIGN		
CONTRACTOR	DATE	BY	BM-2 Located 55' west of Menaul Blvd. and Bluecorn Maiden Trail intersection. A square chiseled on top of south concrete curb, Elev. = 5935.18.	DATE	BY	NO.	DATE	BY	MAP NO. 41-23	EST. NO.	W.O. NO.	NO.	DATE	BY	DATE	BY	DATE
INSPECTOR	DATE	BY		DATE	BY												
VERIFICATION BY	DATE	BY		DATE	BY												
CONTRACTOR	DATE	BY		DATE	BY												
RECORDED BY	DATE	BY		DATE	BY												

PREPARED UNDER THE DIRECTION OF

CITY OF ALBUQUERQUE

TITLE: **PIEDRA LISA DAM DAM TOPOGRAPHY**

APPROVALS: ENGINEER DATE APPROVALS ENGINEER DATE

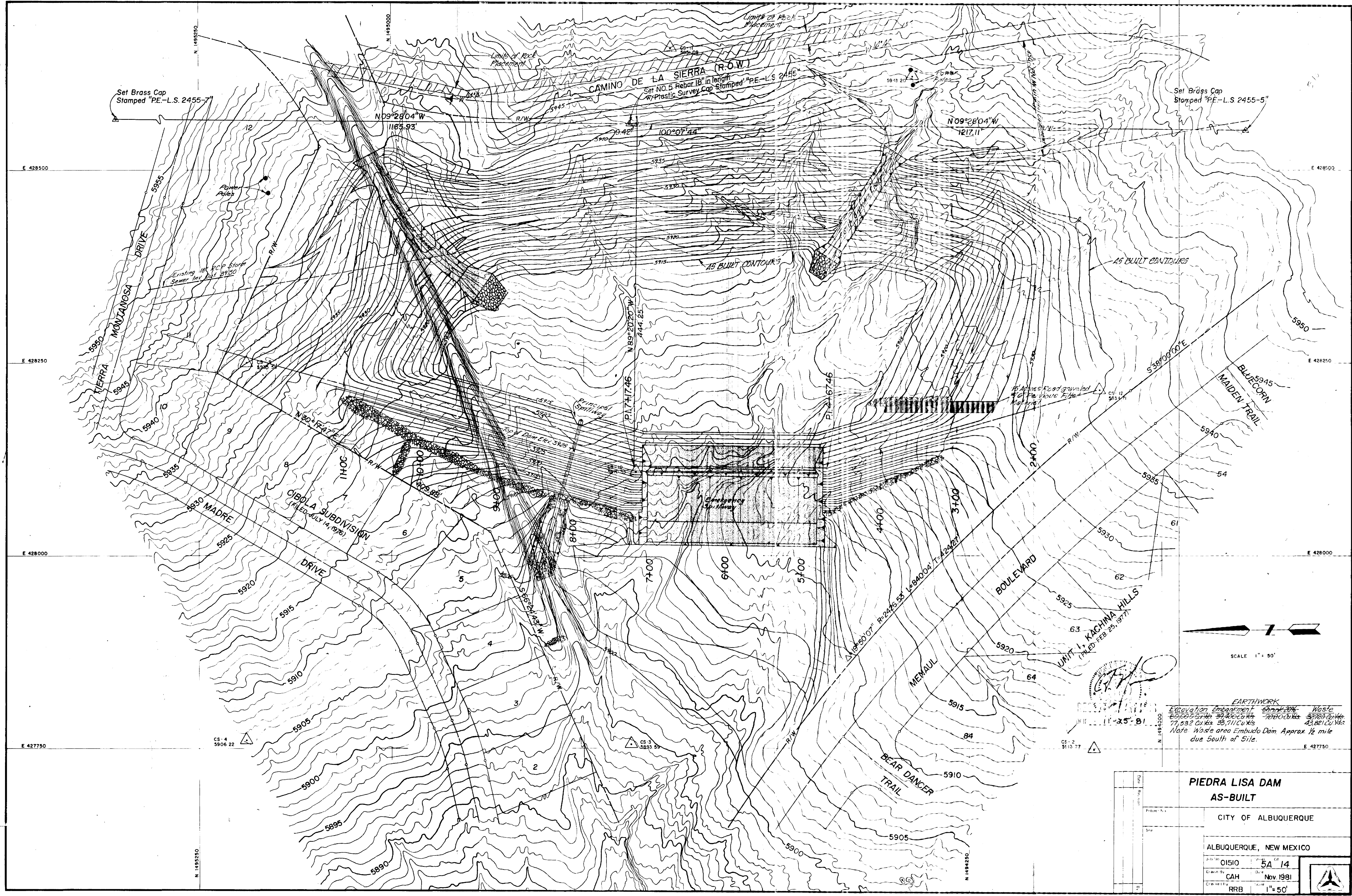
PROJECT NUMBER: **01510**

SCALE: 1" = 50'

DRAWING NO. SHEET **5** OF **14**

* THIS SHEET IS SUPERCEDED BY SHEET 5A (Nov.1981) FOR AS-BUILT CONTOURS.

As-built



Set Brass Cap
Stamped "PE-L.S. 2455-5"

Set Brass Cap
Stamped "PE-L.S. 2455-7"

EARTHWORK
Excavation Embankment ~~Shrinkage~~ Waste
55,000 cu yds 33,400 cu yds 20,000 cu yds
77,532 cu yds 33,711 cu yds 43,821 cu yds
Note: Waste area Embudo Dam Approx. 1/2 mile
due South of Site.

PIEDRA LISA DAM AS-BUILT

CITY OF ALBUQUERQUE

ALBUQUERQUE, NEW MEXICO

01510 5A of 14

CAH Nov. 1981

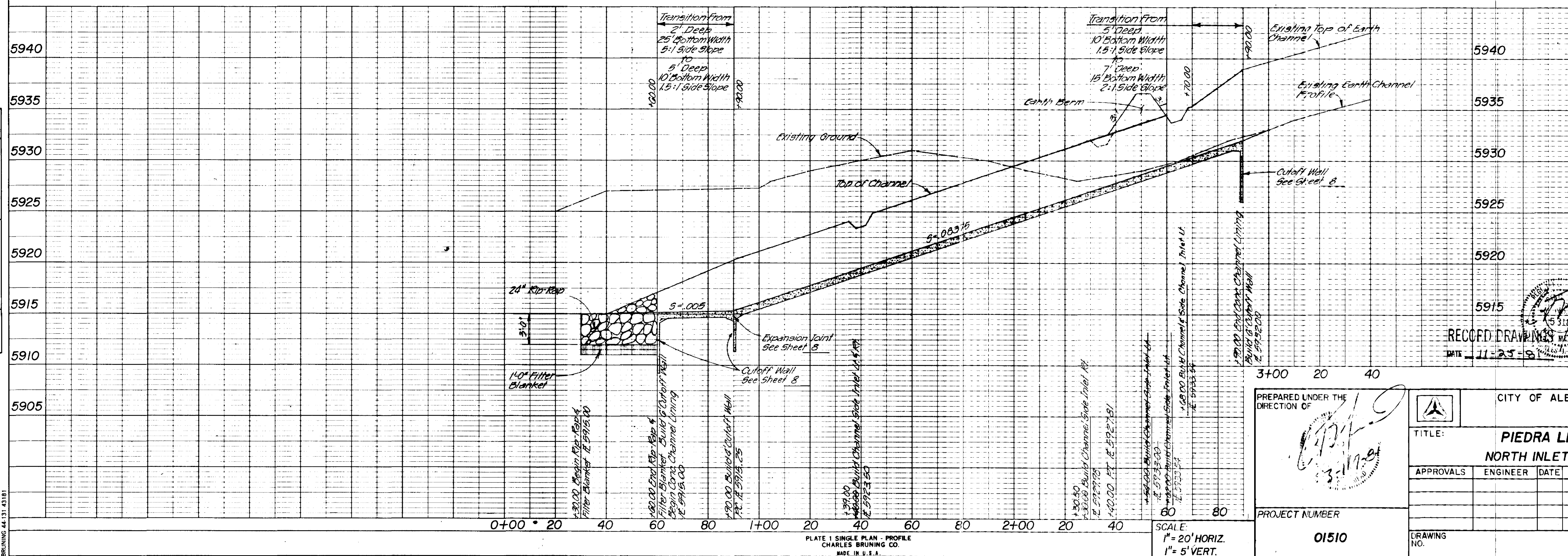
RRB 1" = 50'

THIS SHEET SUPERCEDES SHEET 5 (Nov. 1981)

As-built

PROFILE	SURVEYED _____		BY _____	DATE _____
	PLOTTED _____			
	GRADES CHECKED _____			
	B. M.'s NOTED _____			
	STRUCTURE NOTATING METHOD _____			
NOTE BOOK				
NO.				

1. Concrete shall be 3000 psi, 28 day concrete with maximum aggregate size of $\frac{3}{4}$ " as stated in the specifications.
2. All steel shall be grade 40 deformed bars as called for in the specifications, unless otherwise noted.
3. All steel spacings are given to the 6" of the bar.
4. Place contraction joints on 25'-0" centers both ways.
5. All exposed edges shall have a 1" chamfer.
6. Place expansion joints on 100'-0" centers.
7. Channel section dimensional details are given on plan & profile sheets.

[illegible]

CITY OF ALBUQUERQUE

TITLE: **PIEDRA LISA DAM**
NORTH INLET CHANNE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
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PROJECT NUMBER

01510

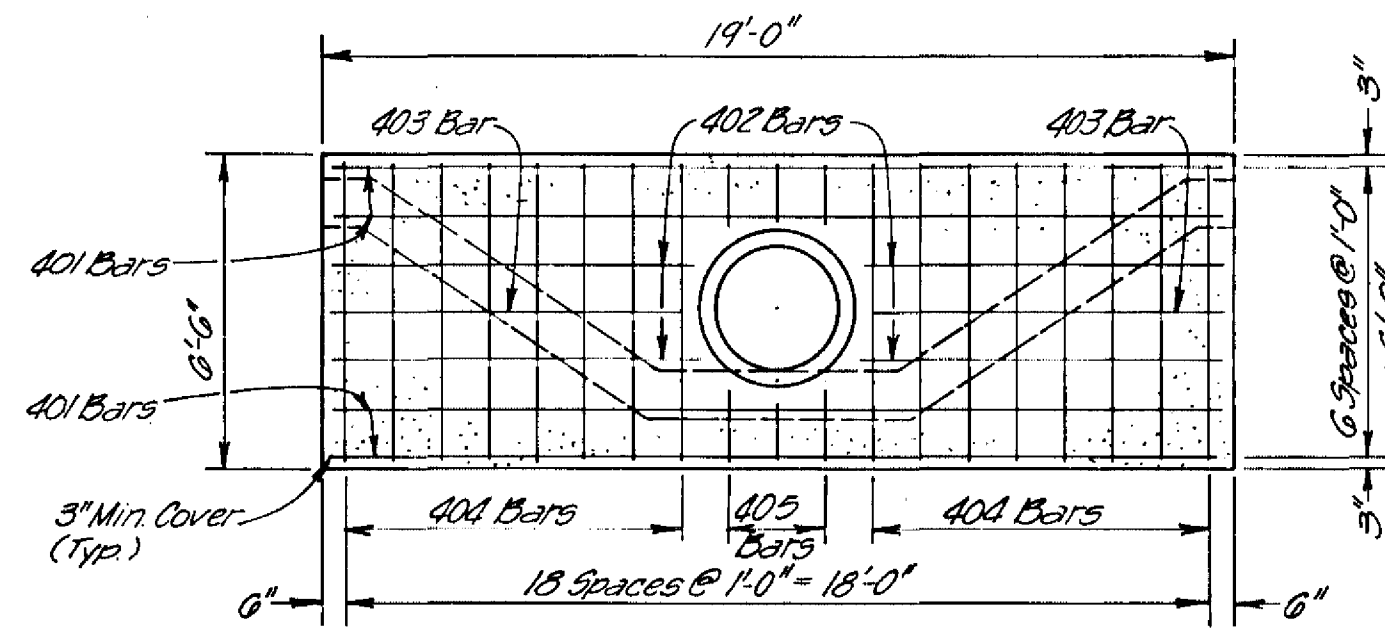
DRAFTING
NO.

SHEET 6 OF 14

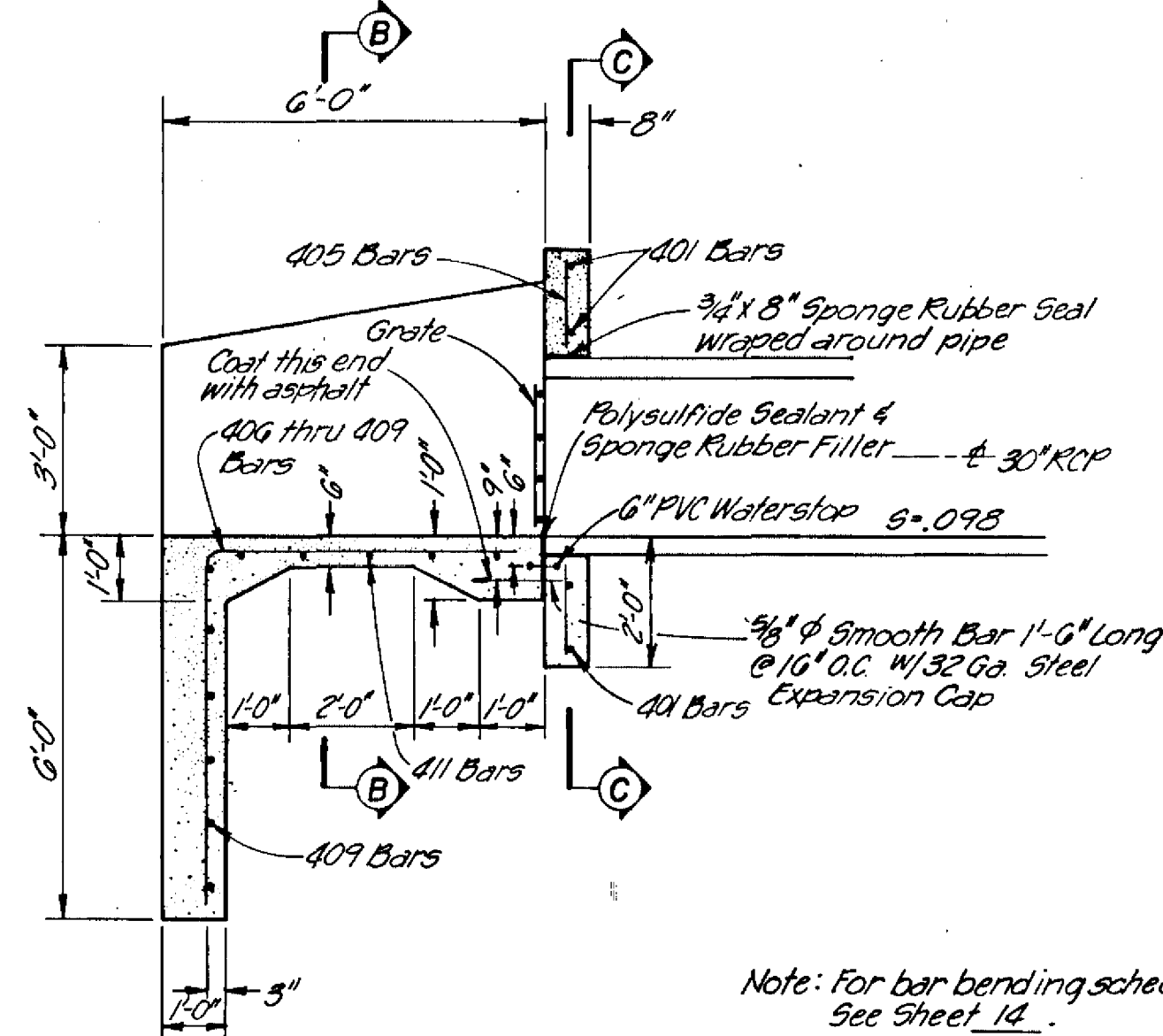
As-built

PLAN	DATE	BY
SURVEYED		
PLOTTED		
GRADES CHECKED		
STRUCTURE NOTATIONS CHKD		
NOTE BOOK		
NO.		

PROFILE	DATE	BY
SURVEYED		
PLOTTED		
GRADES CHECKED		
STRUCTURE NOTATIONS CHKD		
NOTE BOOK		
NO.		

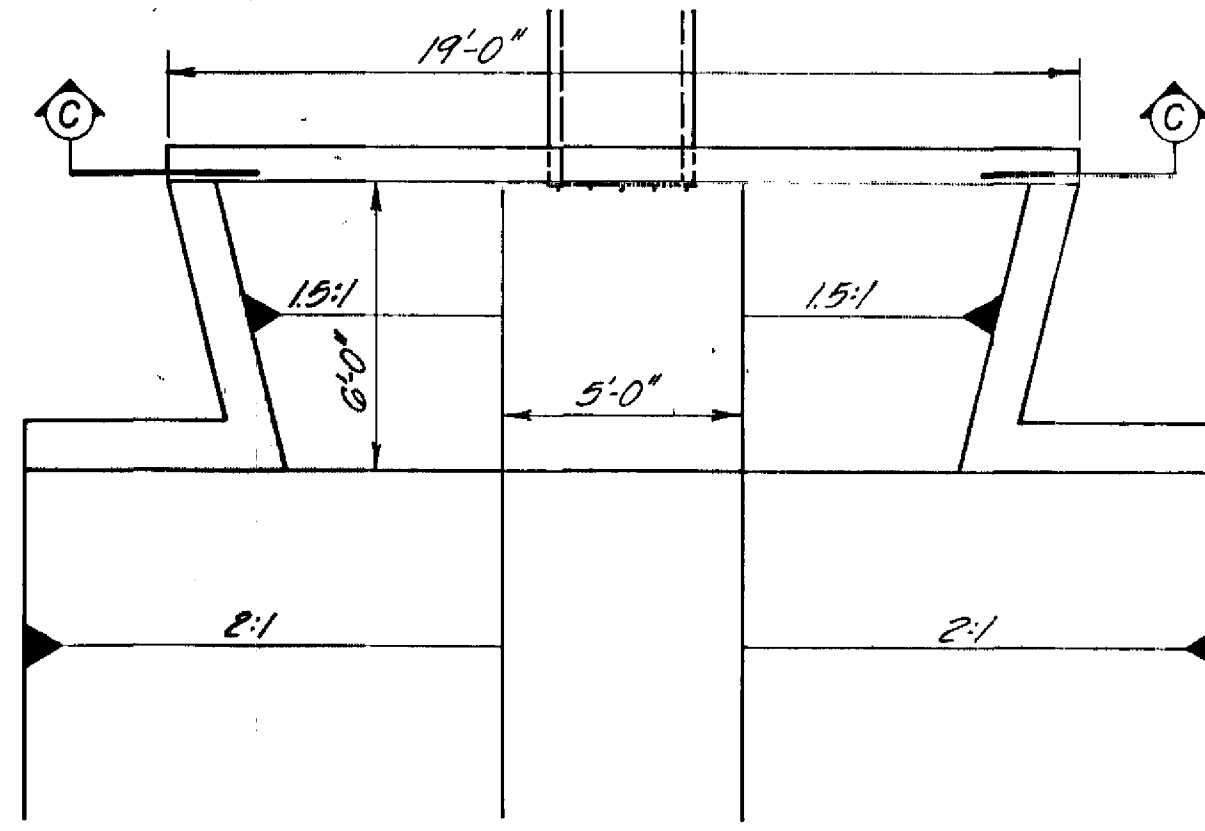


SECTION C-C

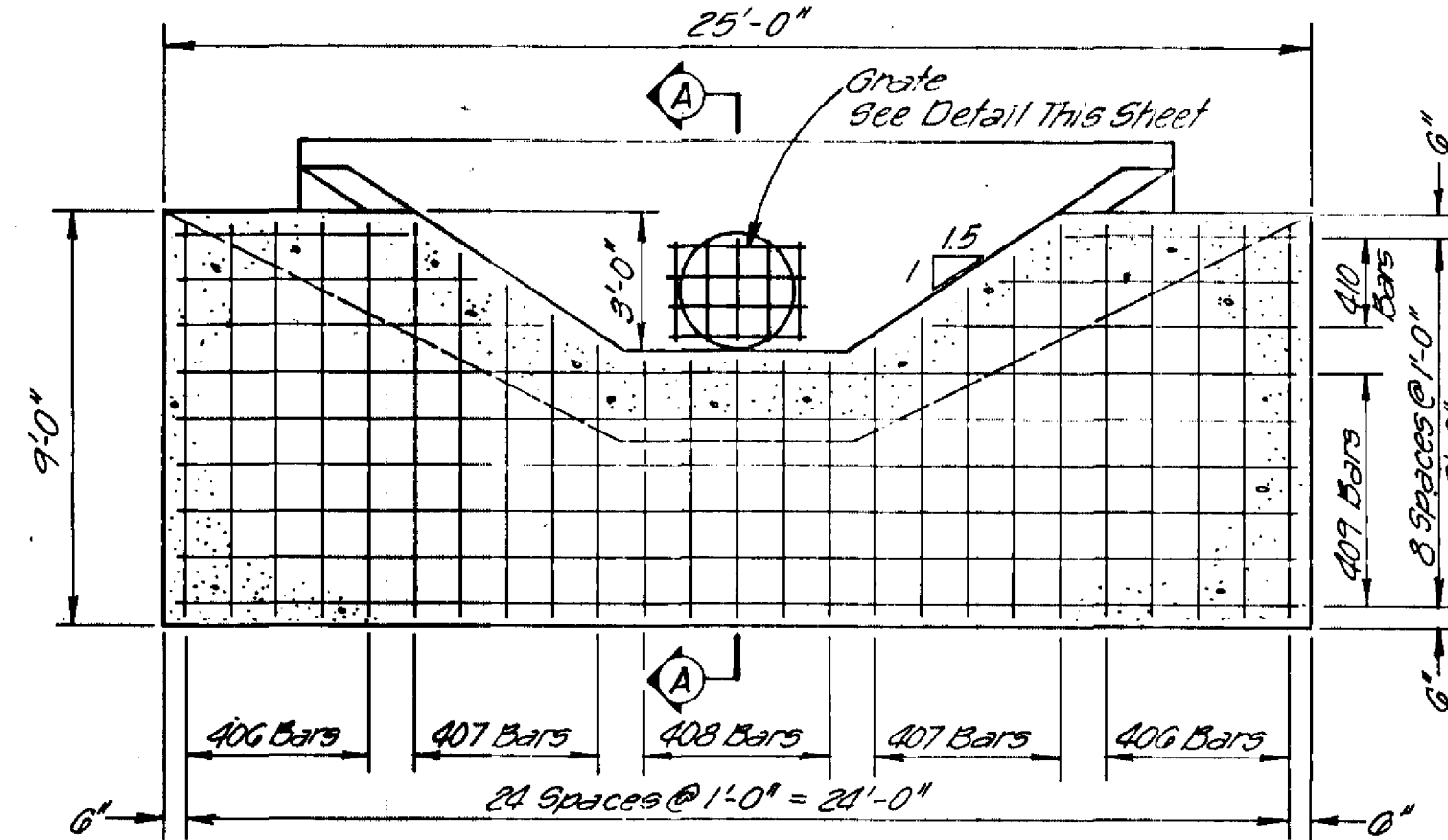


SECTION A-A

Note: For bar bending schedule, See Sheet 14.

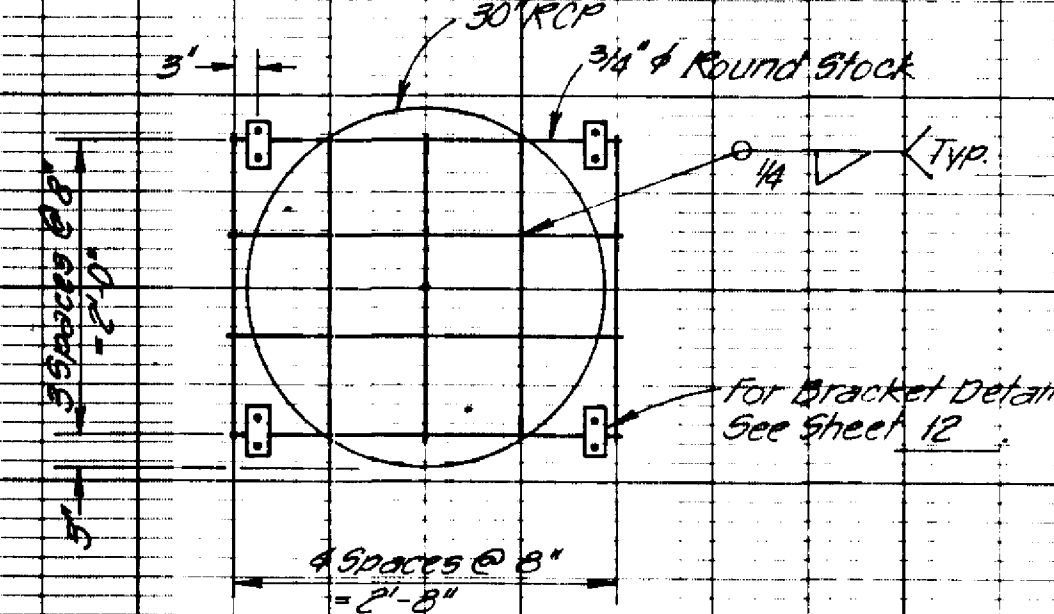


PLAN

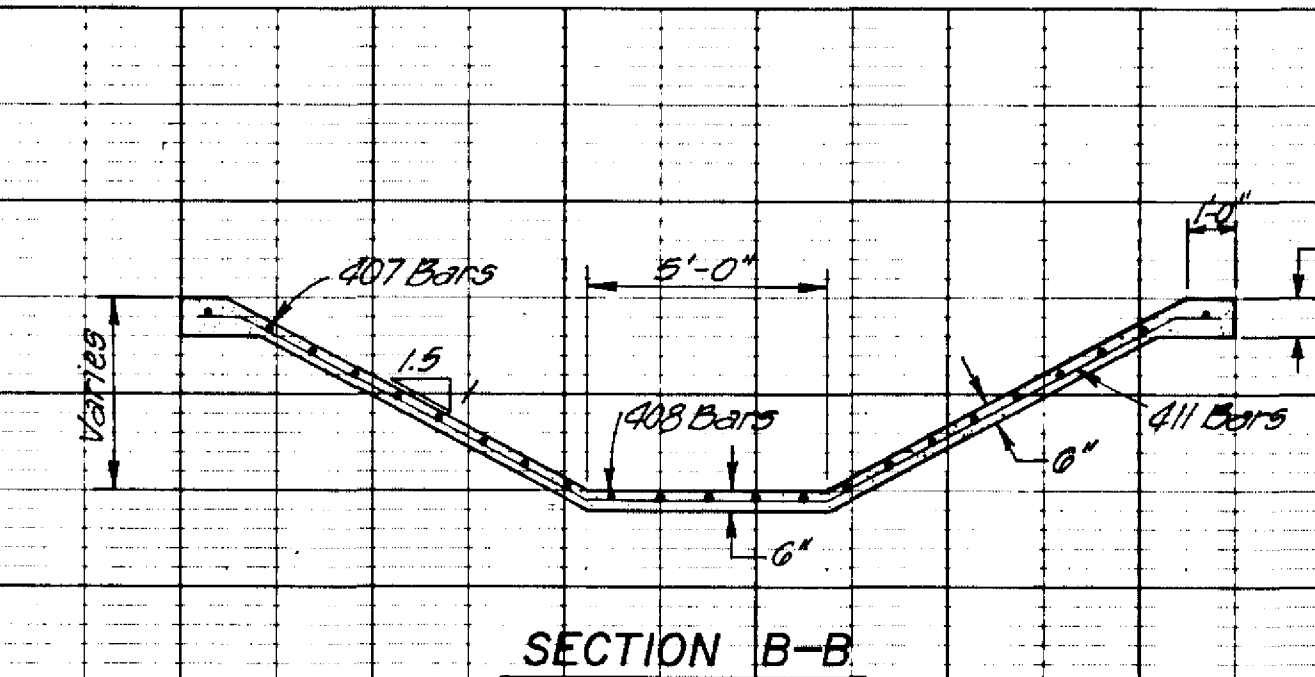


SECTION

PRINCIPAL SPILLWAY OUTLET WORKS
NO SCALE



GRATE DETAIL
NO SCALE

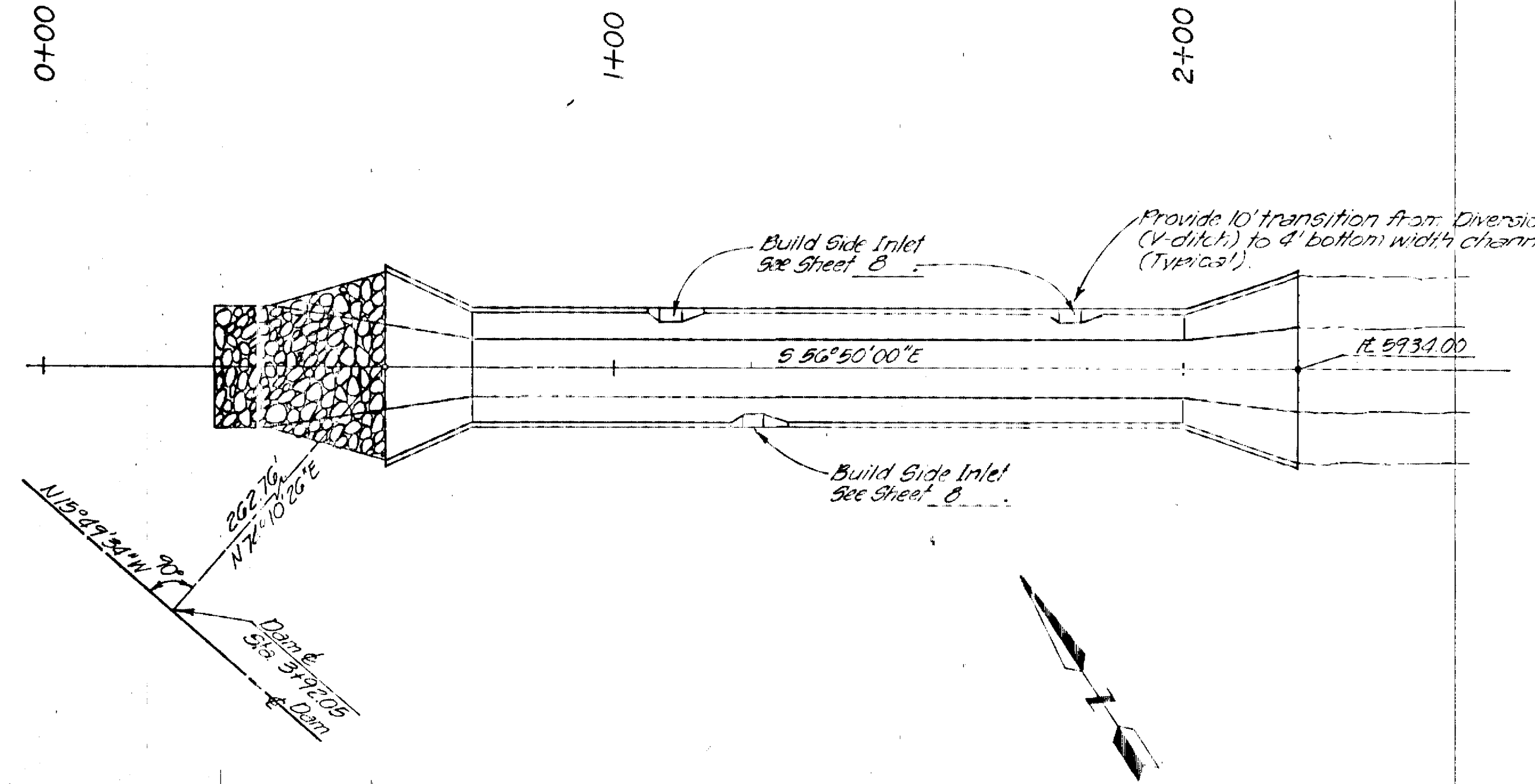


SECTION B-B

NOTES

- Concrete shall be 3000 p.s.i. 28 day concrete with maximum aggregate size of 3/4" as listed in the specifications.
- All steel shall be Grade 40 deformed bars as called for in the specifications, unless otherwise noted.
- All steel spacings are given to the center of the bar.

- Place contraction joints on 25'-0" centers both ways.
- All exposed edges shall have a 1" chamfer.
- Place expansion joints on 100'-0" centers.
- Channel section dimensional details are given on plan & profile sheets.



SOUTH INLET CHANNEL

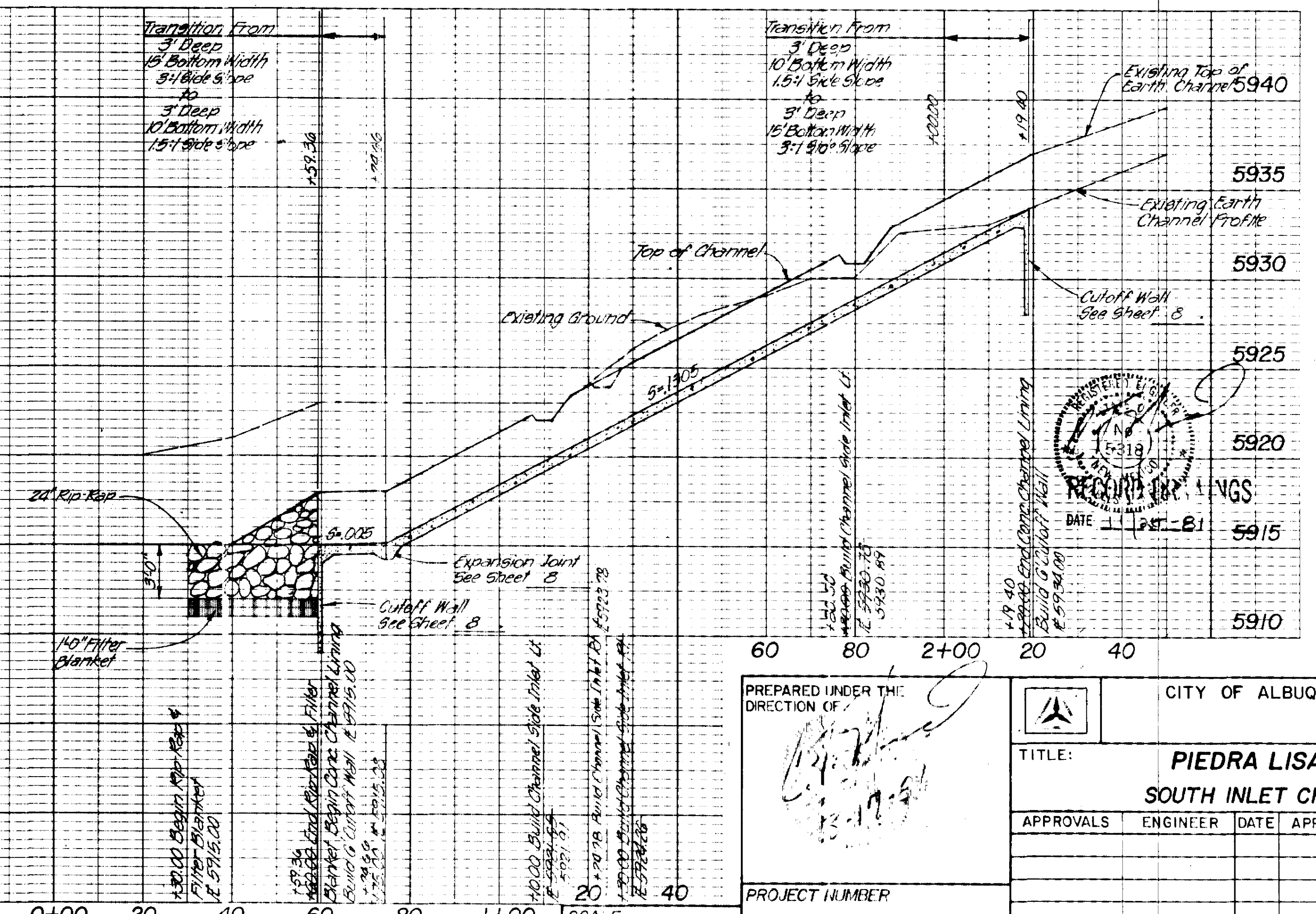


PLATE 1 SINGLE PLAN, PROFILE
CHARLES BRUNING CO.
MADE IN U.S.A.

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

PREPARED UNDER THE
DIRECTION OF

PROJECT NUMBER

01510



CITY OF ALBUQUERQUE

TITLE:

**PIEDRA LISA DAM
SOUTH INLET CHANNEL**

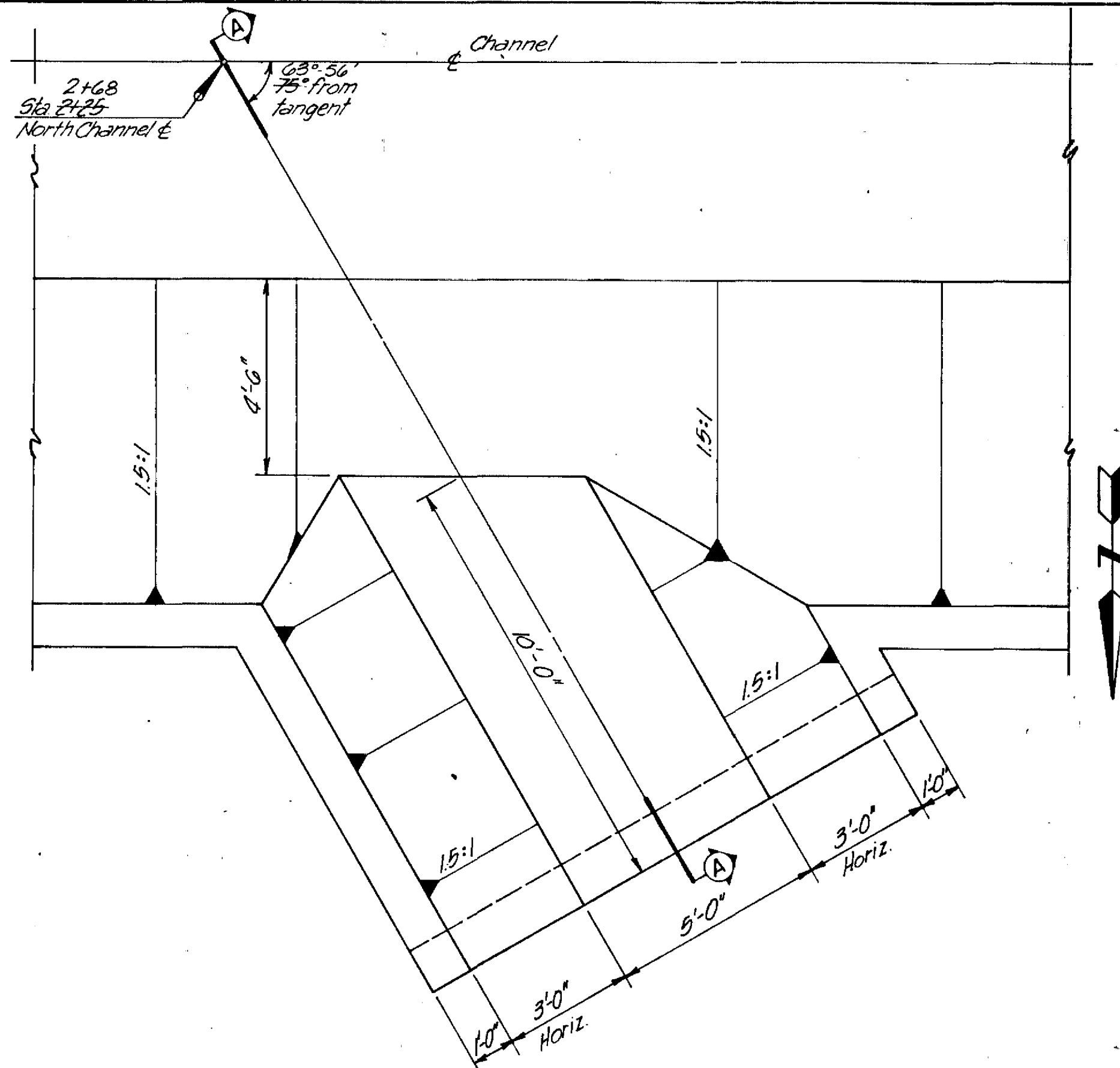
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DRAWING NO.

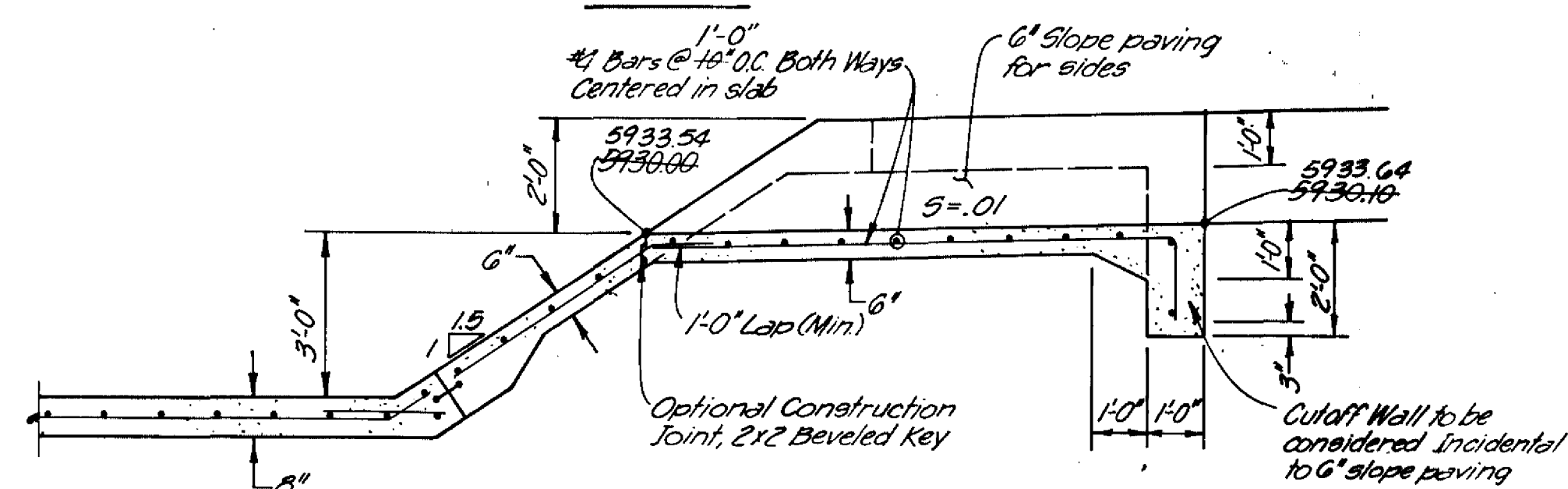
SHEET 7 OF 14

AS-BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				REFERENCES				REVISIONS			
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FIELD	DATE	6/23/81	VERIFICATION BY	DATE	6/23/81	CORRECTED BY	DATE	6/23/81	RECORDED BY	DATE	NO.	DESIGNED BY	MHD	DATE	1-81	DRAWN BY	RJF	DATE	1-81
MICRO-FILM INFORMATION				REVISIONS				DESIGN				CHECKED BY				DATE			

As-built

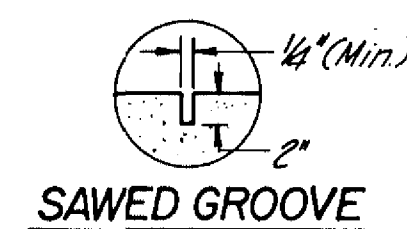


PLAN

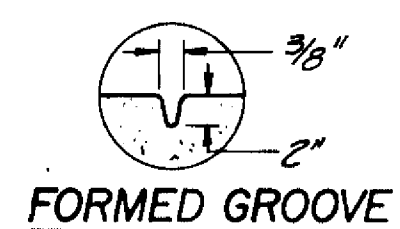


SECTION A-A
NORTH CHANNEL SIDE INLET

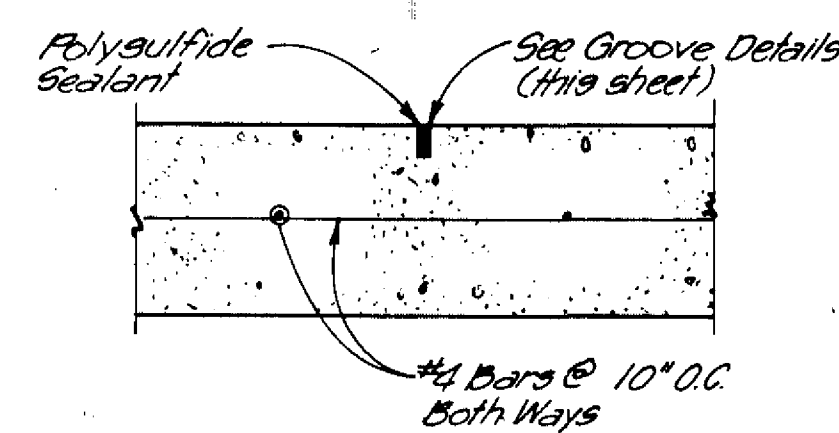
STA. 2+30.00 RT.
2+62.00



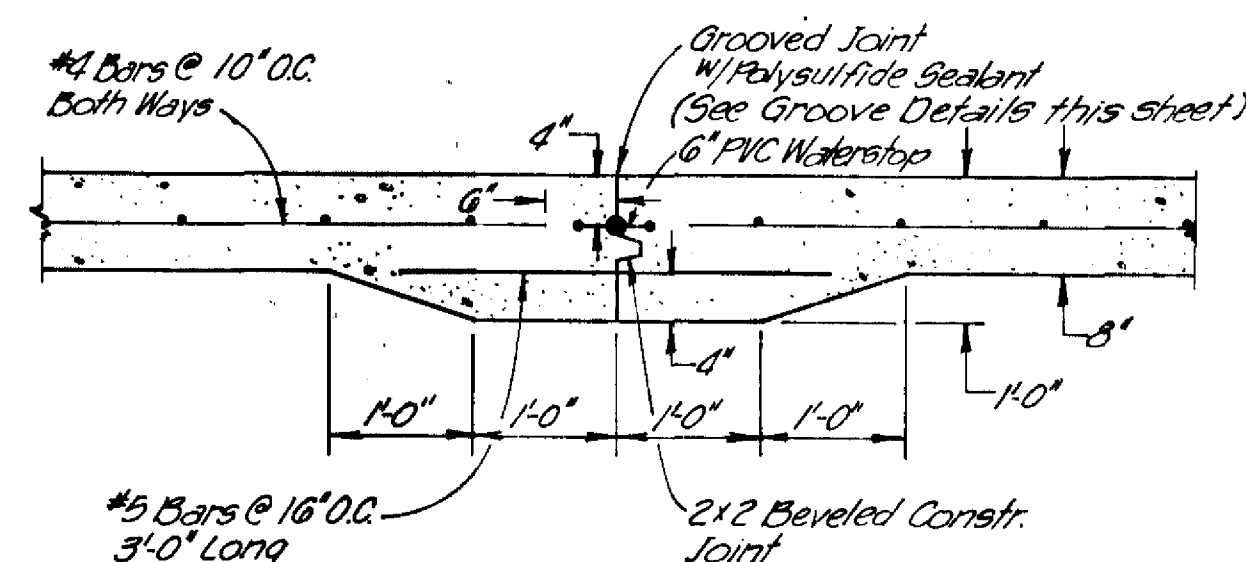
SAWED GROOVE



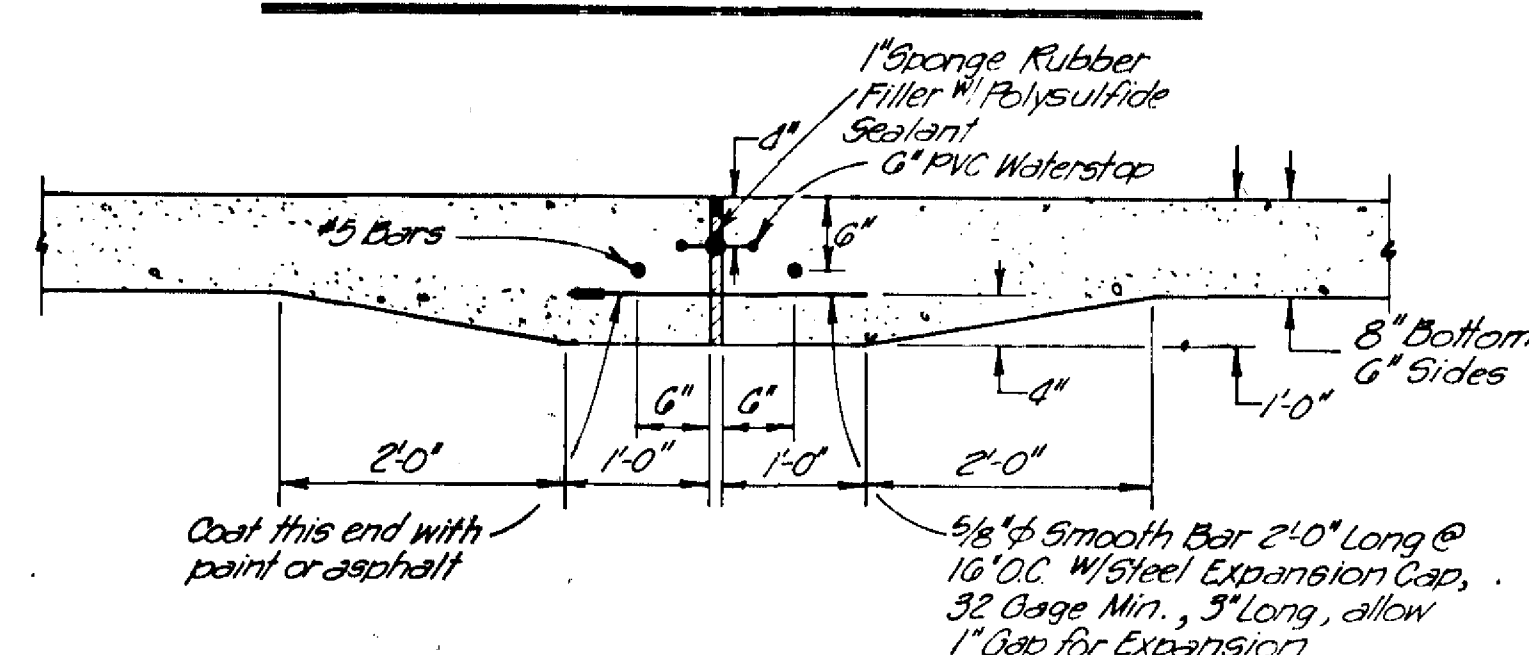
FORMED GROOVE



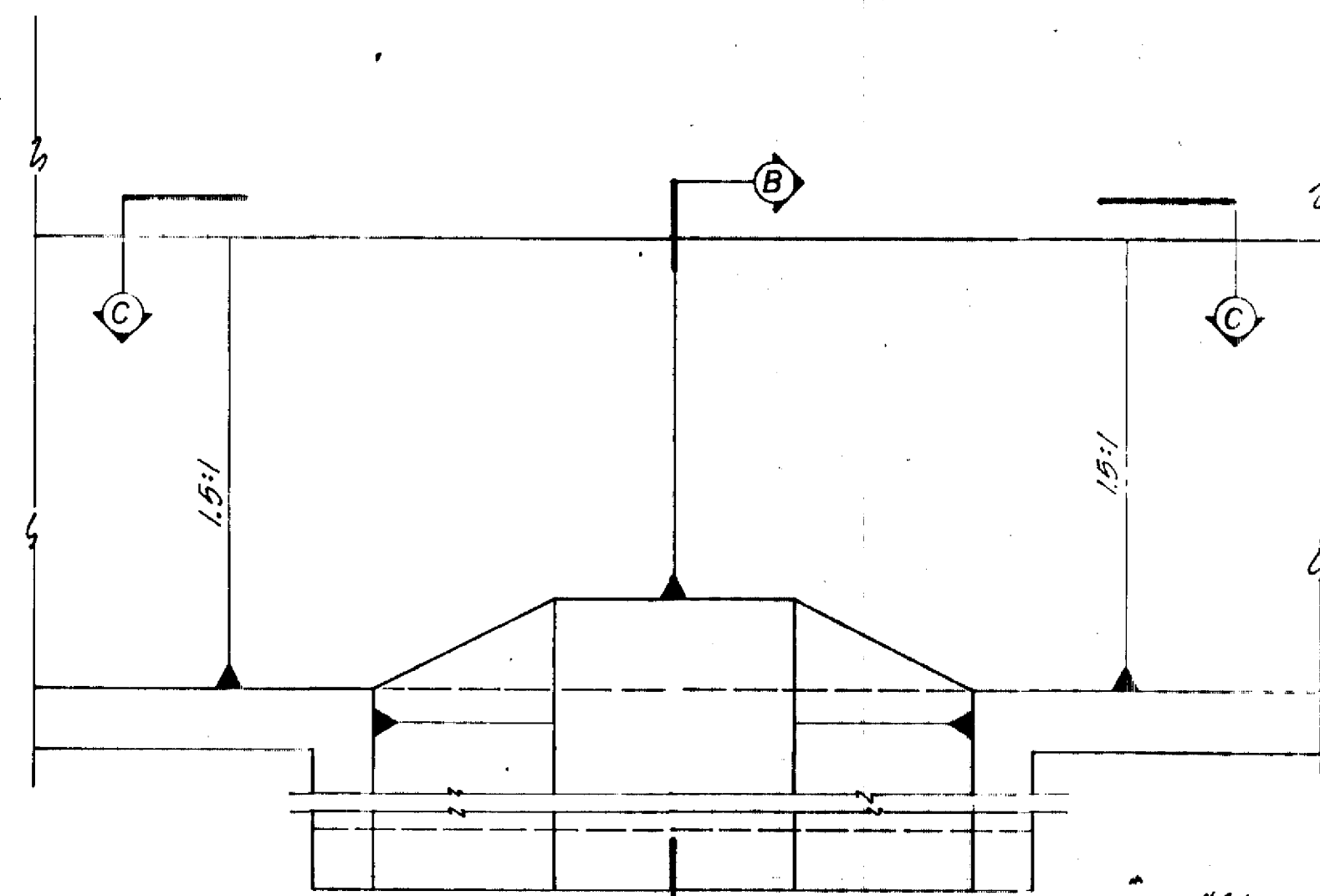
CONTRACTION JOINT DETAIL



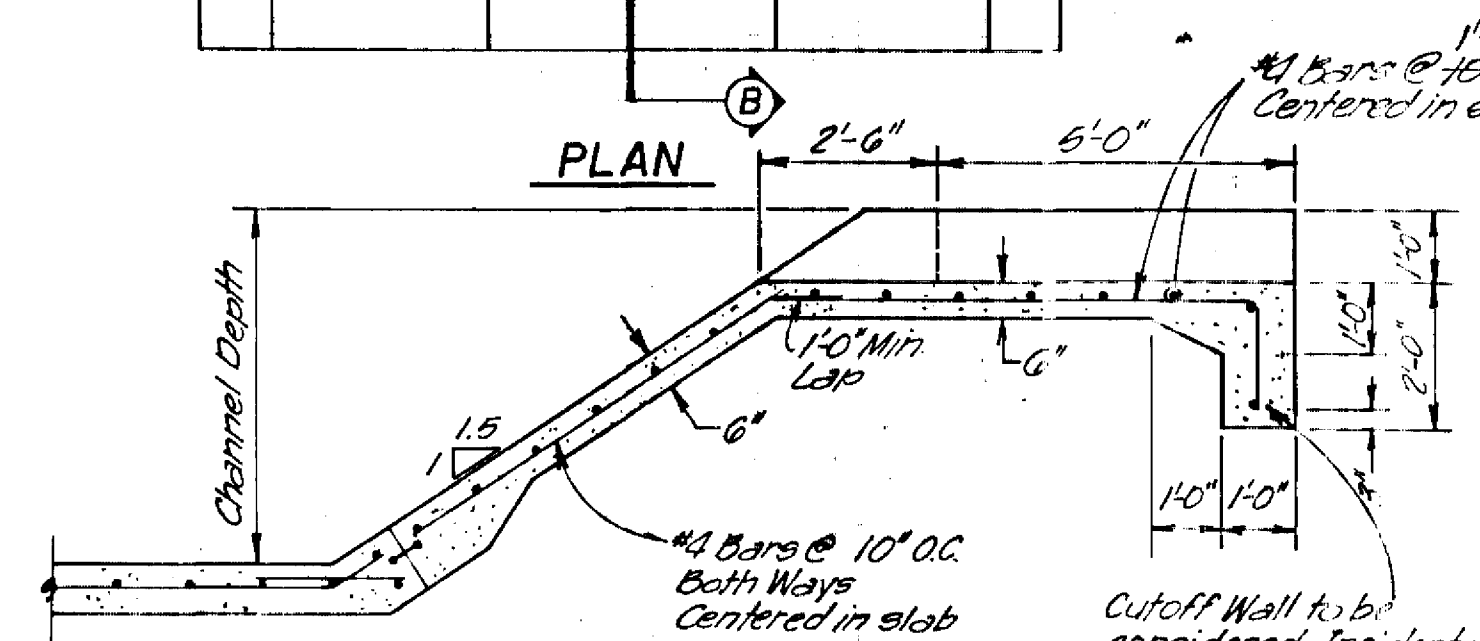
PERMISSIBLE CONSTRUCTION JOINT
DETAIL



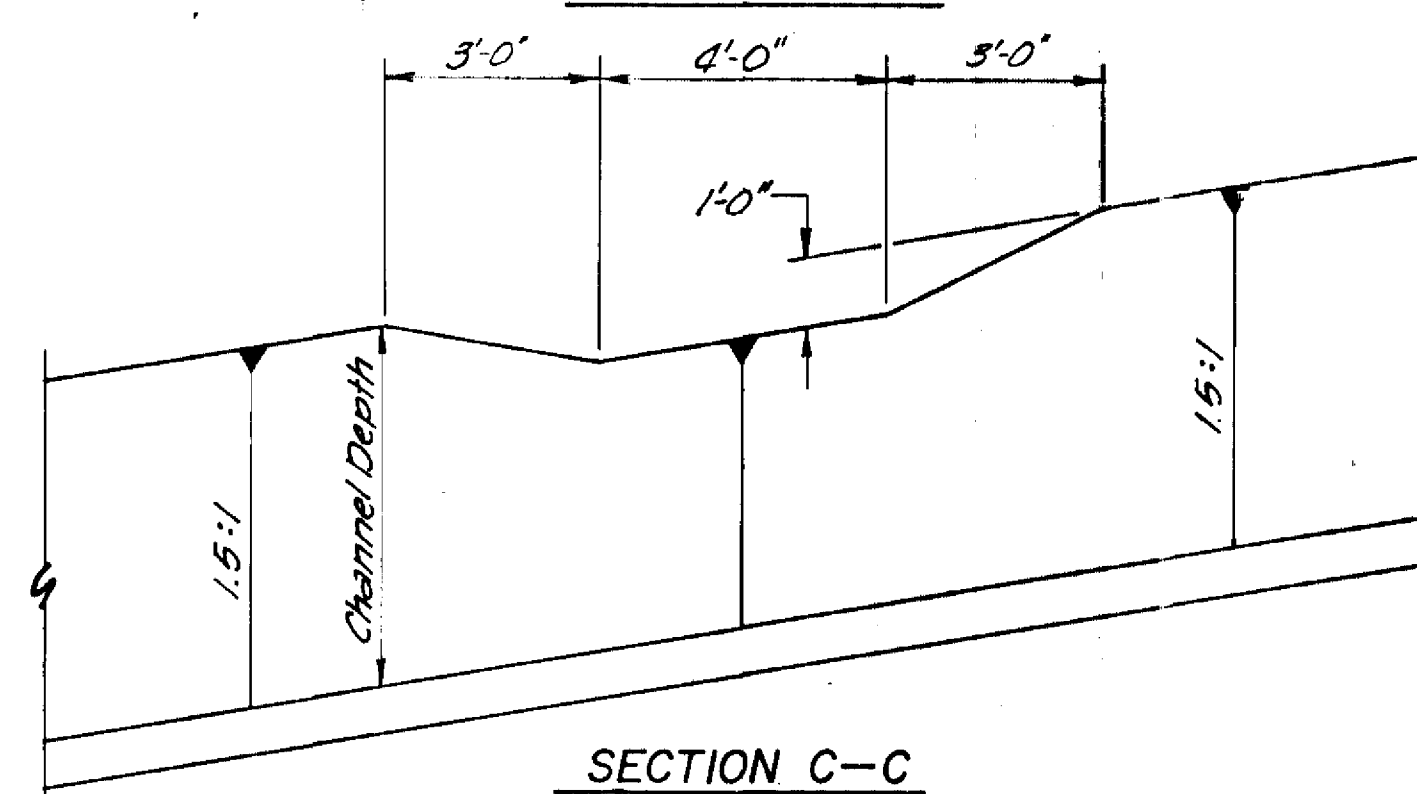
EXPANSION JOINT DETAIL



PLAN

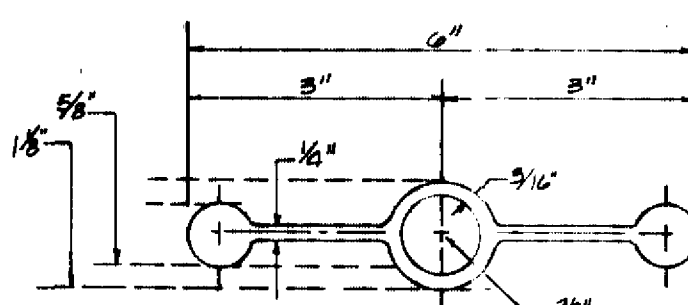


SECTION B-B

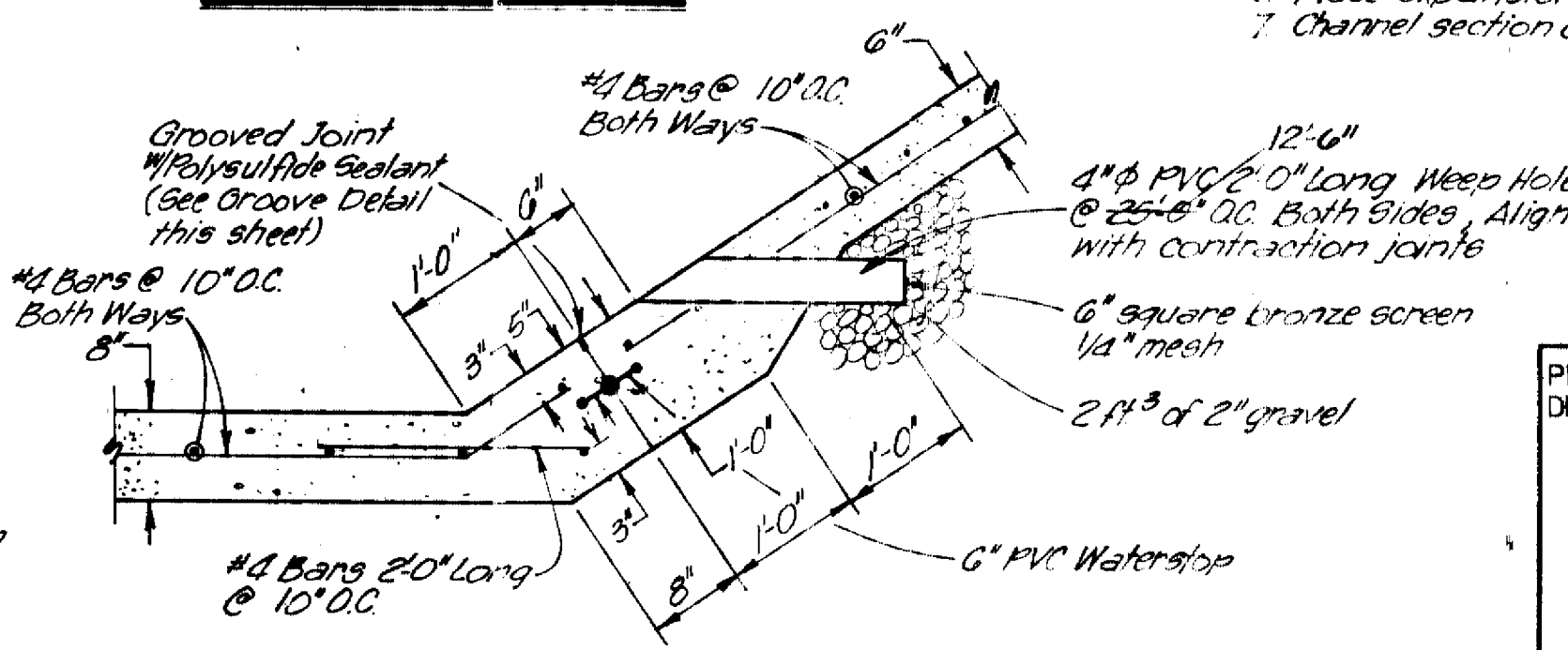


SECTION C-C

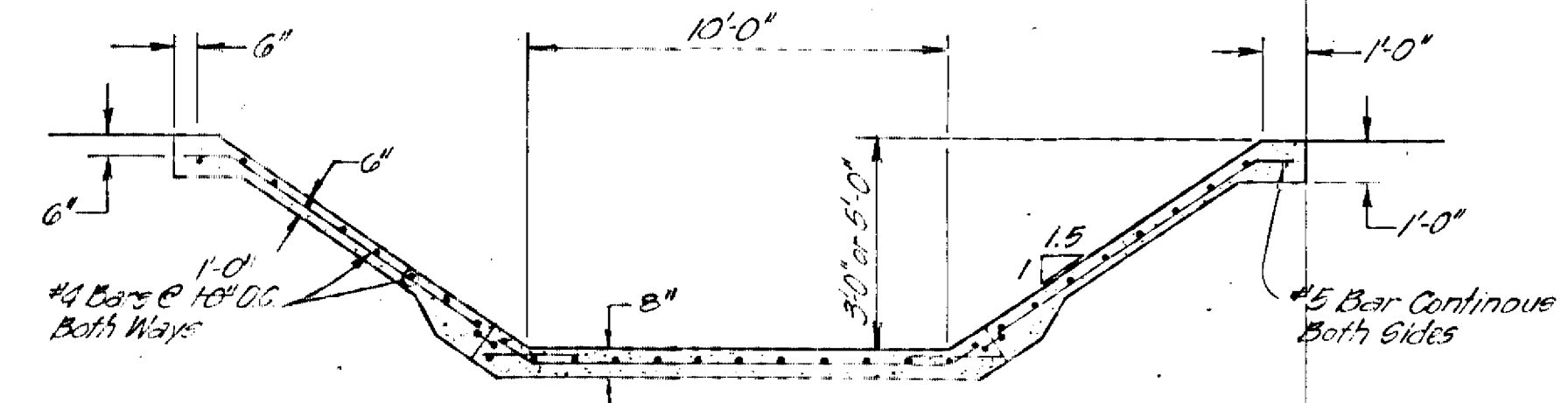
CHANNEL SIDE INLET



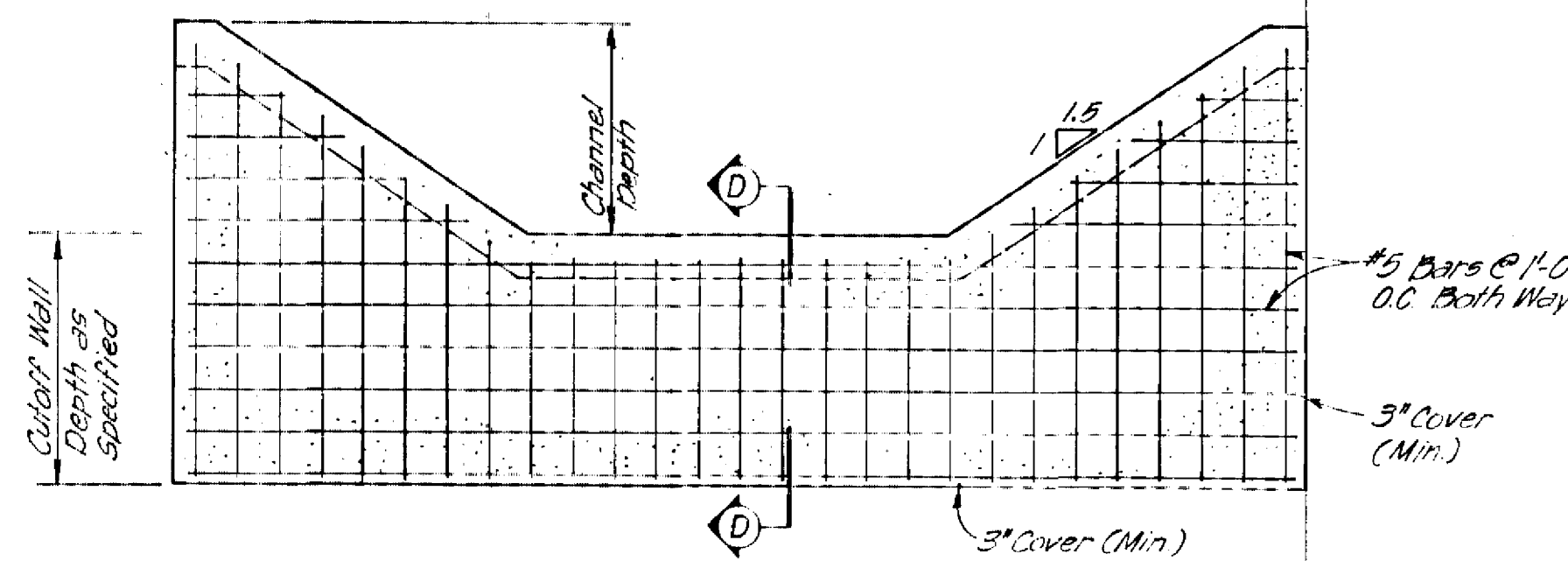
PVC WATERSTOP



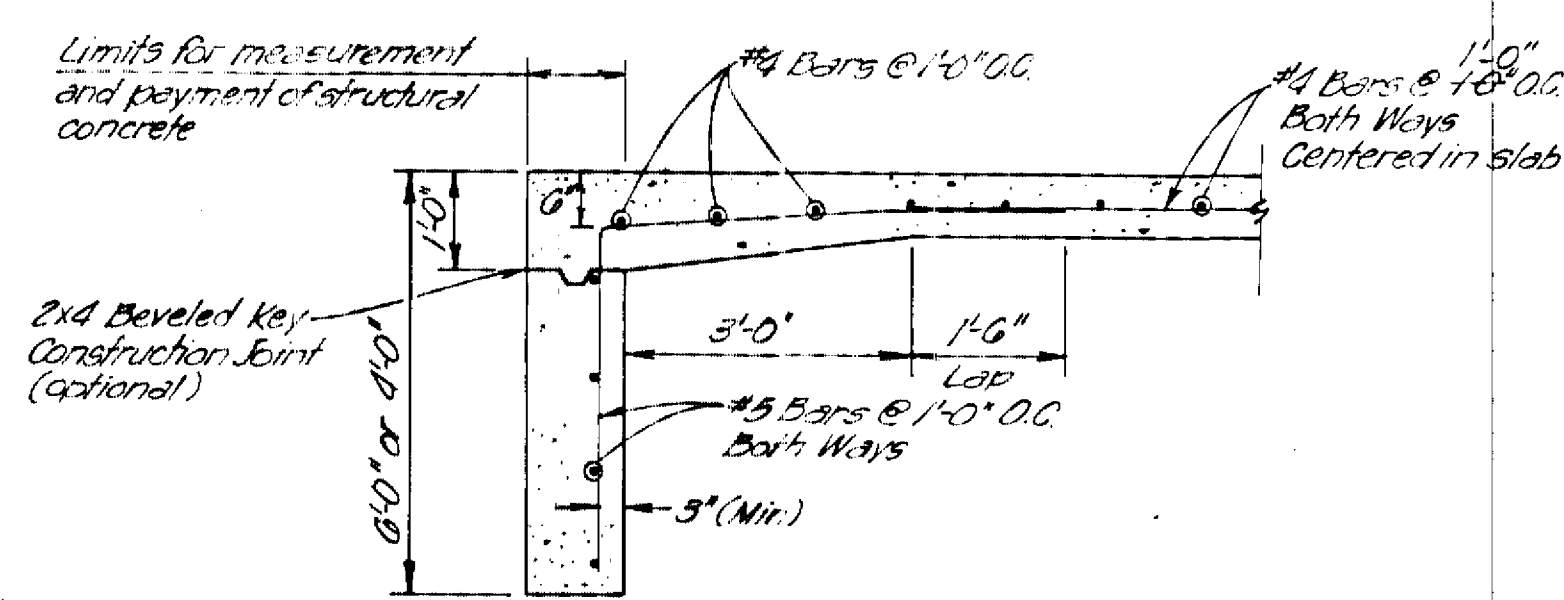
SIDE SLOPE JOINT AND
WEEP HOLE DETAIL



NORTH & SOUTH CHANNEL DETAIL



SECTION VIEW



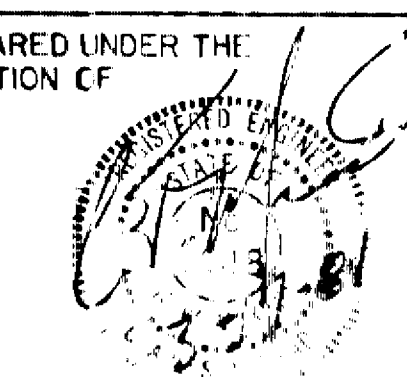
SECTION D-D

CUTOFF WALL DETAIL

NOTES

- Concrete shall be 3000 p.s.i. 28 day concrete with maximum aggregate size of 3/4" as stated in the specifications.
- All steel shall be Grade 60 deformed bars as called for in the specifications, unless otherwise noted.
- All steel spacings are given to the E. of the bar.
- Place contraction joints on 25'-0" centers both ways.
- All exposed edges shall have a 1" chamfer.
- Place expansion joints on 100'-0" centers using PVC bulb type waterstop.
- Channel section dimensional details are given on plan & profile sheets.

PREPARED UNDER THE
DIRECTION OF



PROJECT NUMBER

01510

CITY OF ALBUQUERQUE

TITLE:
PIEDRA LISA DAM
CHANNEL DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE

DRAWING
NO.

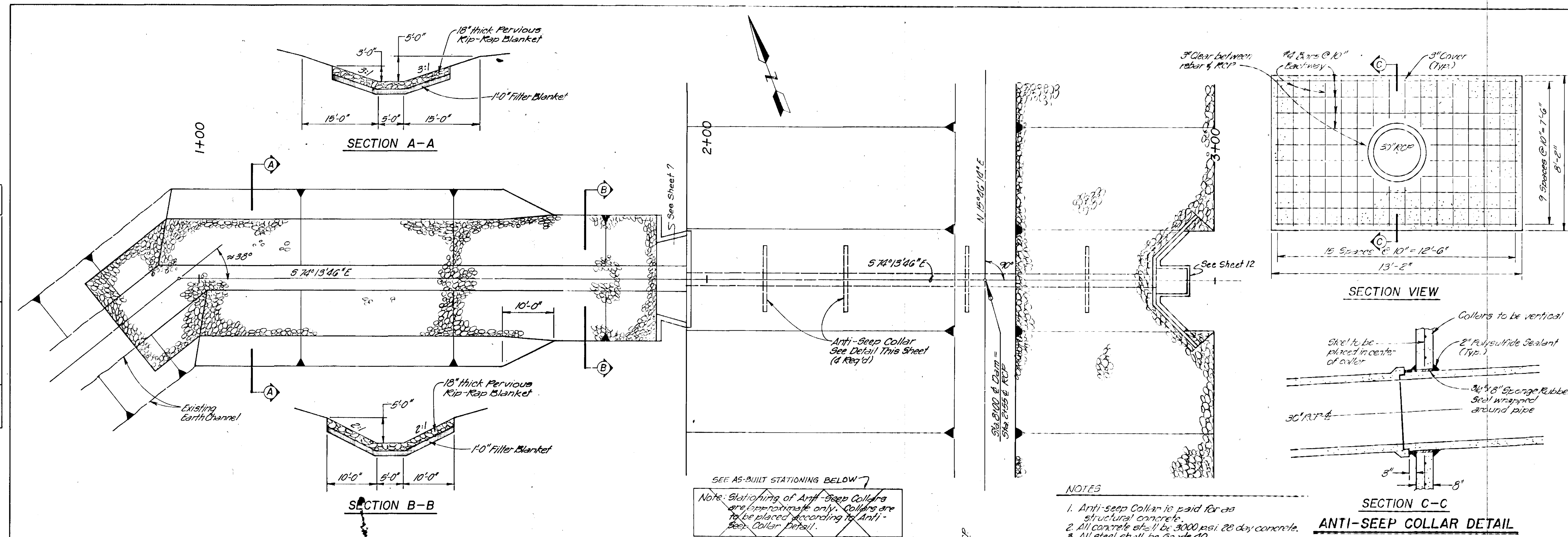
SHEET 8 OF 14

AS-BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				REFERENCES				REVISIONS				DESIGN			
CONTRACTOR	7. BROWN CONTRACTORS	DATE	6/81	STAKED BY	B.H.	DATE	6/81	MAP NO.		BY		W.O. NO.		NO.		NO.		DATE	1-81	DESIGNED BY	MHD	DATE	1-81
INSPECTOR		DATE	10/23/81	FIELD		DATE	10/23/81													DRAWN BY	RJH	DATE	1-81
VERIFICATION BY	RFB	DATE	10/23/81	CORRECTED BY	B.H.	DATE	10/23/81													CHECKED BY	CME	DATE	1-81
MICRO-FILM INFORMATION				RECORDED BY																			

As-built

PLAN	DATE	BY
SURVEYED		
PLOTTED		
GRADES CHECKED		
STRUCTURE NOTATION CHKD		
NOTE BOOK		
NO.		

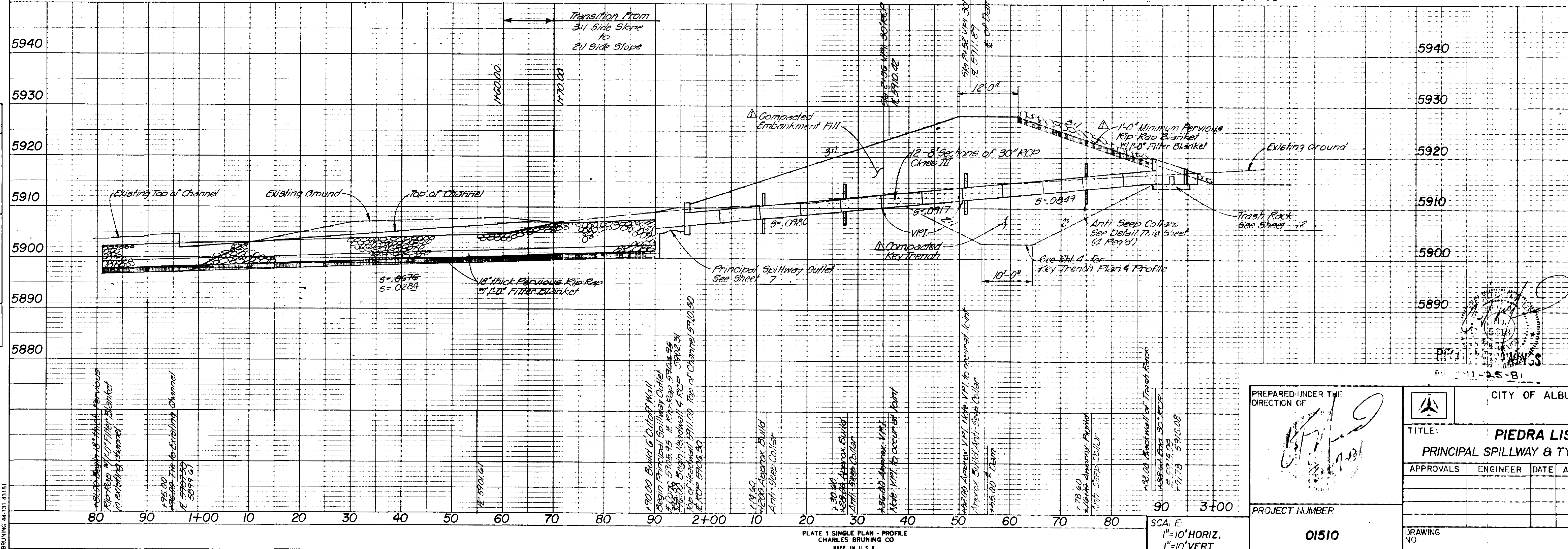
PROFILE	DATE	BY
SURVEYED		
PLOTTED		
GRADES CHECKED		
STRUCTURE NOTATION CHKD		
NOTE BOOK		
NO.		



SECTION C-C
ANTI-SEEP COLLAR DETAIL

NOTES

1. Anti-seep collar is paid for as structural concrete.
2. All concrete shall be 3000 psi 28 day concrete.
3. All steel shall be Grade 40.
4. All exposed edges shall have a 1" chamfer.



PREPARED UNDER THE
DIRECTION OF

CITY OF ALBUQUERQUE

TITLE: **PIEDRA LISA DAM**
PRINCIPAL SPILLWAY & TYPICAL DAM SECTION

APPROVALS ENGINEER DATE APPROVALS ENGINEER DATE

PROJECT NUMBER

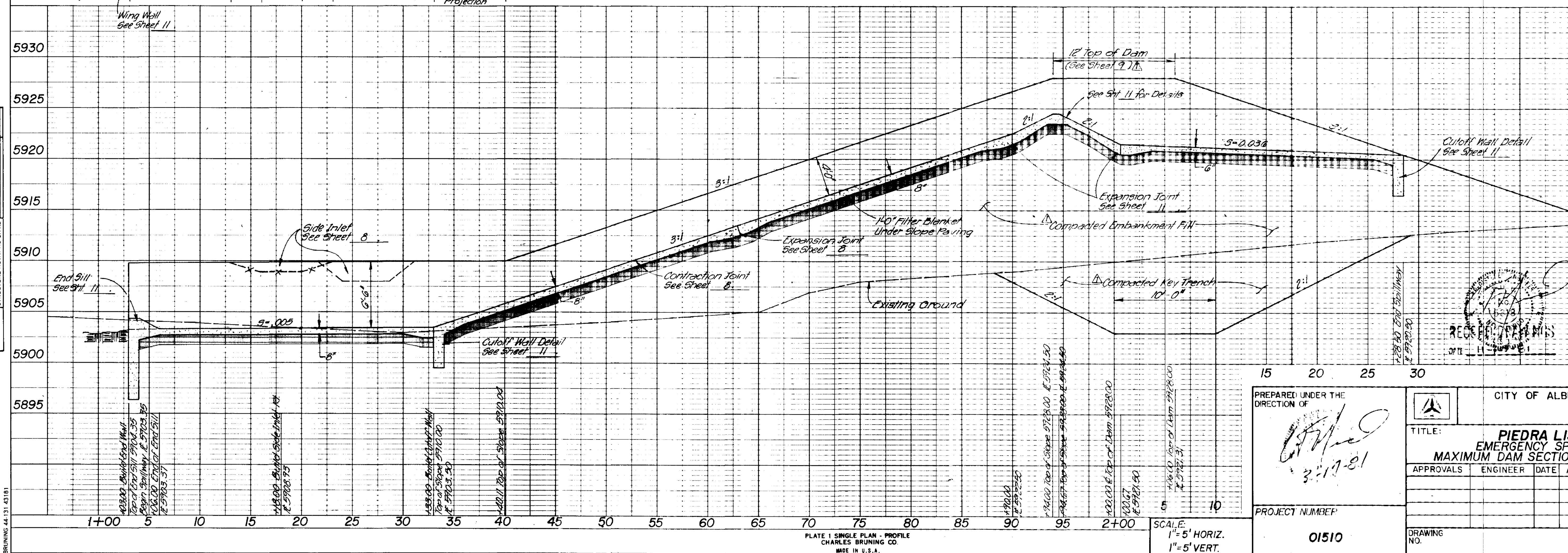
01510

DRAWING NO.

SHEET 9 OF 14

As built

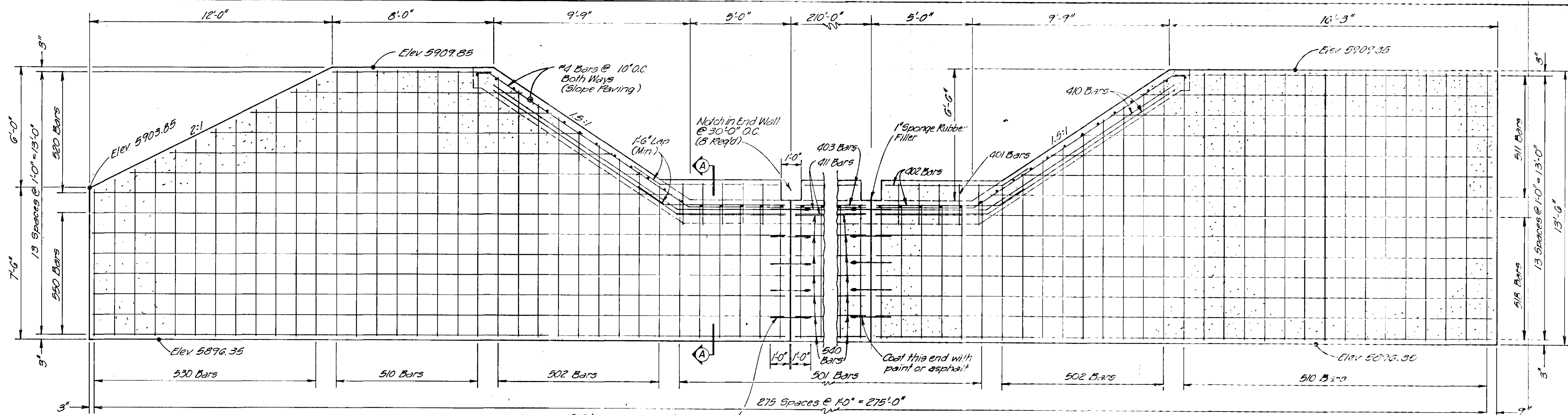
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	PLOTTED _____		
	GRADES CHECKED _____		
	B. M.'s NOTED _____		
	STRUCTURE NOTATIONS CHECKED _____		



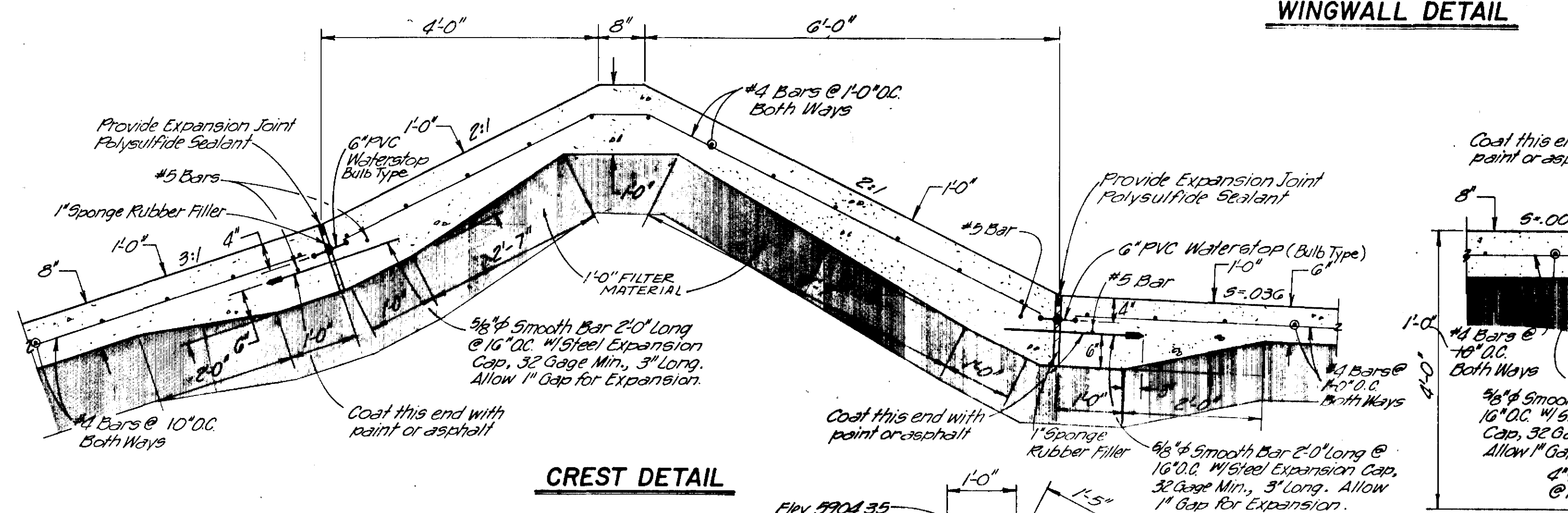
		REFERENCES		SURVEY INFORMATION			BENCH MARKS		AS-BUILT INFORMATION	
		MAP NO.							CONTRACTOR T. BROWN CONTRACTORS	
		EST. NO.		W.O. NO.		NO.	BY	DATE	WORKS	DATE 6/1/81
1	1/1/81	As-Built Notes	1/1/81						STARTED BY BH	
2	2/1/81	As-Built Notes	2/1/81						ACCEPTED BY RRB	DATE 10/23/81
3	3/1/81	As-Built Notes	3/1/81						APPROVED BY RRB	DATE 10/23/81
4	4/1/81	As-Built Notes	4/1/81						CONDUCTED BY BH	DATE 11/20/81
5	5/1/81	As-Built Notes	5/1/81						DRAWINGS	
		REVISIONS							MICRO-FILM INFORMATION	
		DESIGN							RECORDED BY	
		DESIGNED BY MHD		DATE 1-80					DATE	
		DRAWN BY RUJ		DATE 1-80					NO.	

PREPARED UNDER THE DIRECTION OF 3-17-81			CITY OF ALBUQUERQUE 																														
TITLE: PIEDRA LISA DAM EMERGENCY SPILLWAY AND MAXIMUM DAM SECTION AT STA. 6+50.00		<table border="1"> <thead> <tr> <th>APPROVALS</th> <th>ENGINEER</th> <th>DATE</th> <th>APPROVALS</th> <th>ENGINEER</th> <th>DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>		APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE																								
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE																												
PROJECT NUMBER 01510		DRAWING NO. _____ SHEET 10 OF 14																															

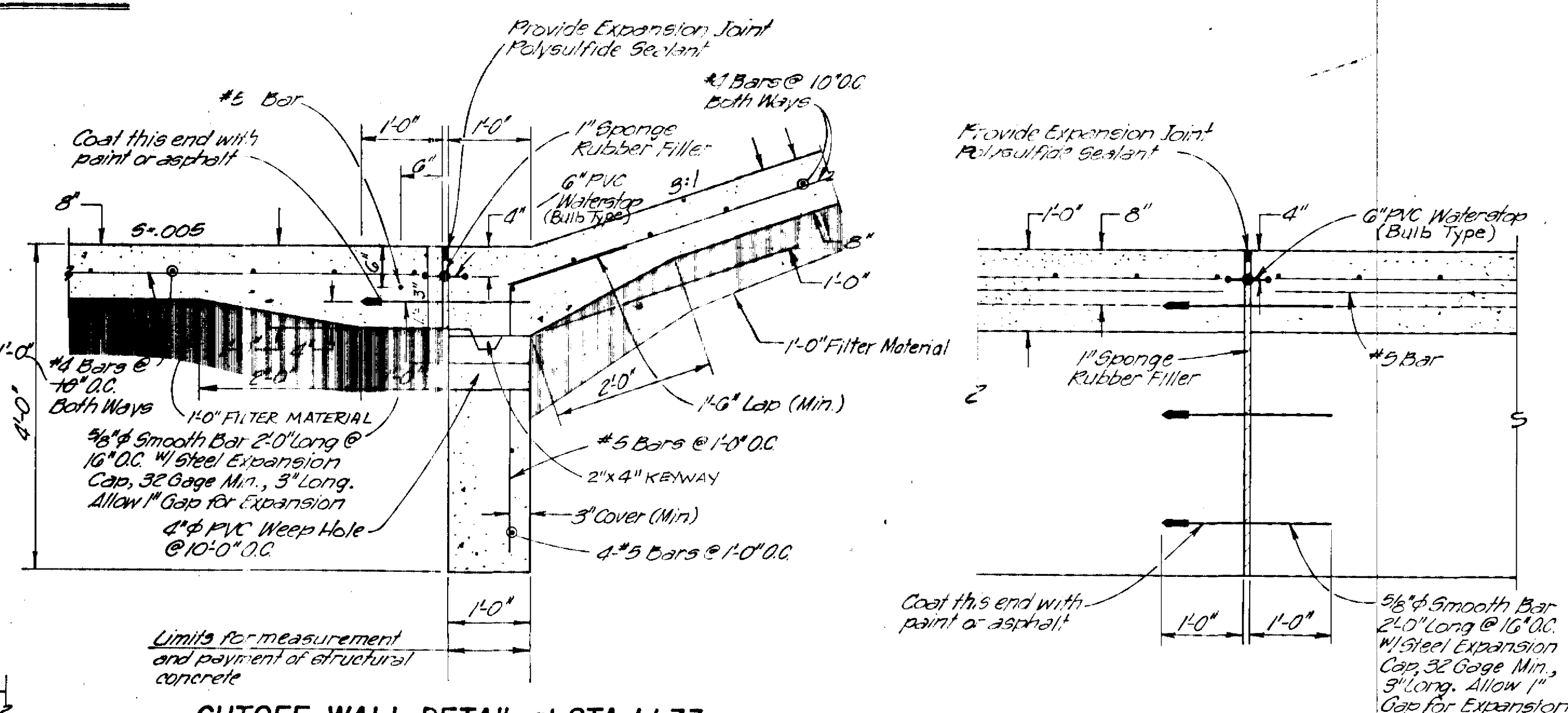
As-built



WINGWALL DETAIL

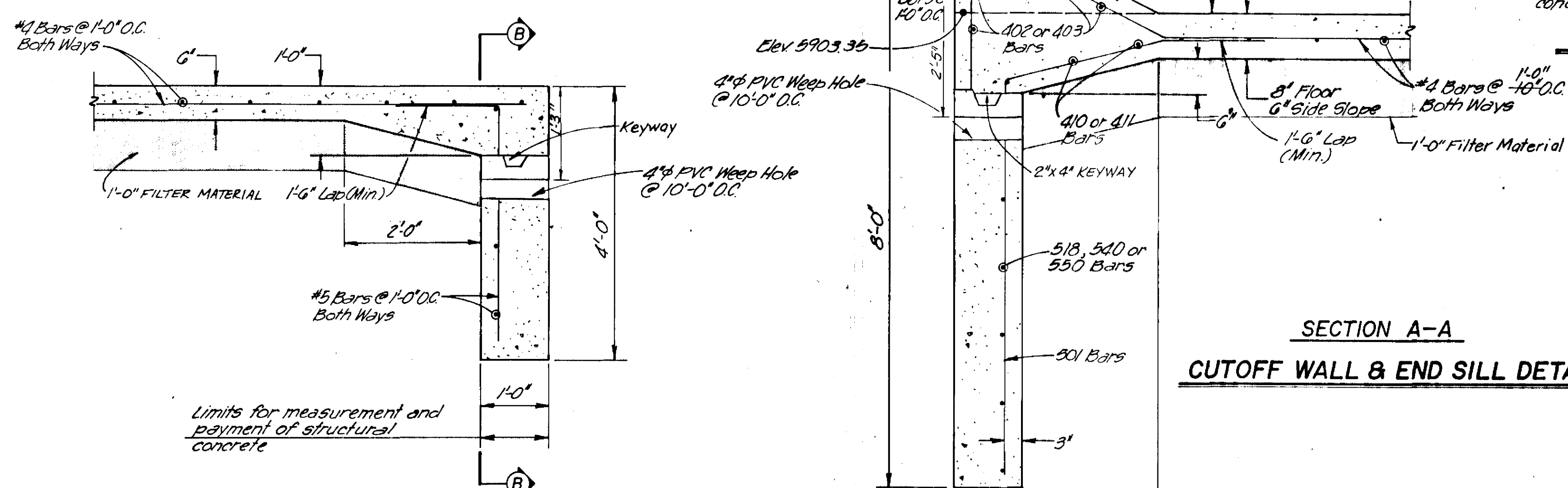


CREST DETAIL



CUTOFF WALL DETAIL at STA. 1+33

**SECTION B-B
CUTOFF WALL EXPANSION JOINT DETAIL**



CUTOFF WALL DETAIL at STA. 2+28.50

**SECTION A-A
CUTOFF WALL & END SILL DETAIL**

NOTES

- Concrete shall be 3000 p.s.i. 28 day concrete with maximum aggregate size of 3/4" as stated in the specifications.
- All steel shall be Grade 40 deformed bars as called for in the specifications, unless otherwise noted.
- All steel spacings are given to the E. of the bar.
- Place contraction joints on 25'-0" centers both ways.
- All exposed edges shall have a 1" chamfer.
- Place expansion joints on 100'-0" centers using PVC bulb type waterstop.
- Channel section dimensional details are given on plan & profile sheets.

PREPARED UNDER THE DIRECTION OF
[Signature]
3-1-81

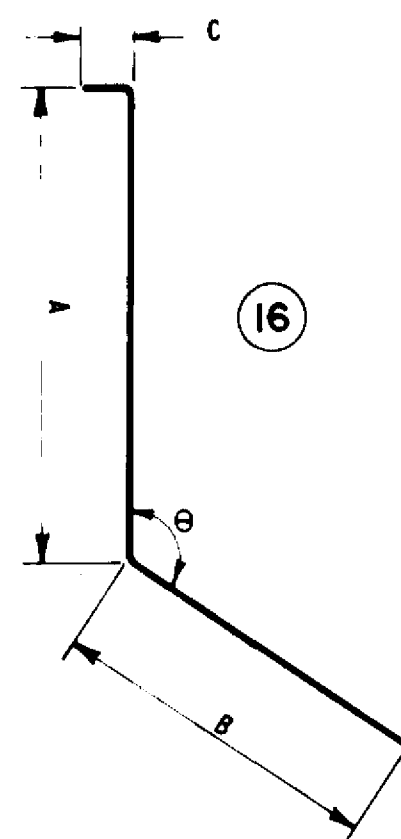
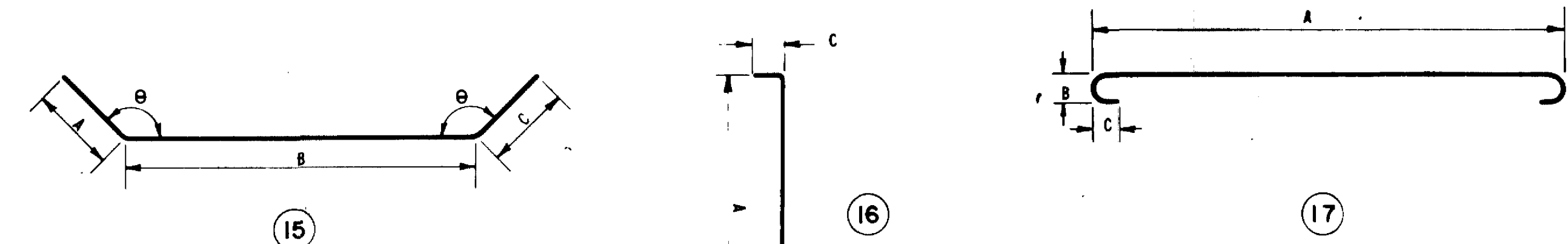
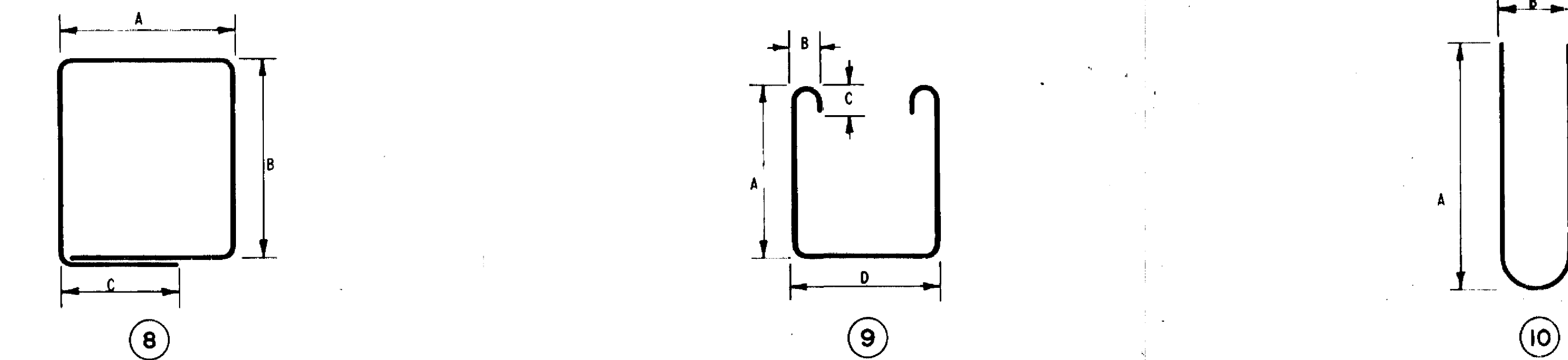
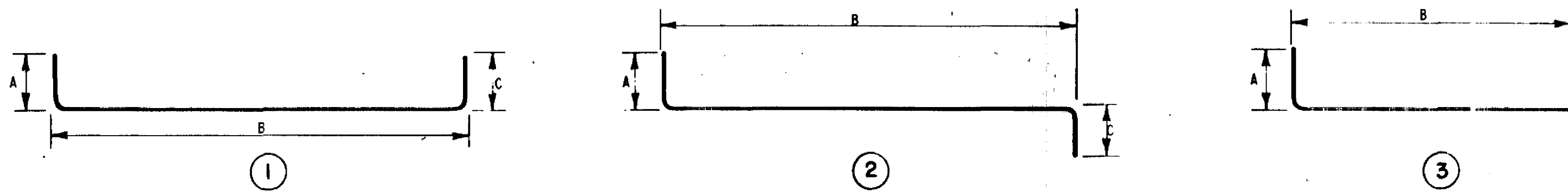
CITY OF ALBUQUERQUE					
TITLE: PIEDRA LISA DAM EMERGENCY SPILLWAY DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
PROJECT NUMBER 01510			DRAWING NO.		
SCALE: No Scale			SHEET 11 OF 14		

AS-BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				REFERENCES				REVISIONS				DESIGN									
CONTRACTOR		T. BROWN CONTRACTORS		DATE		6/81		NO.		BY		DATE		MAP NO.		EST. NO.		NO.		DATE		REMARKS		BY		NO.		DATE	
INSPECTOR		STATED BY		BH																									
ACCEPTANCE BY		R.E.B.		DATE		10/29/81																							
VERIFICATION BY		R.E.B.		DATE		10/29/81																							
DRAWINGS		DATE		11/24/81																									
CHECKED BY		BH		DATE		11/24/81																							
MICRO-FILM INFORMATION																													
RECORDED BY				DATE																									
NO.																													

As-built

PLAN	SURVEYED PLOTTED CHECKED BY	DATE	NO.

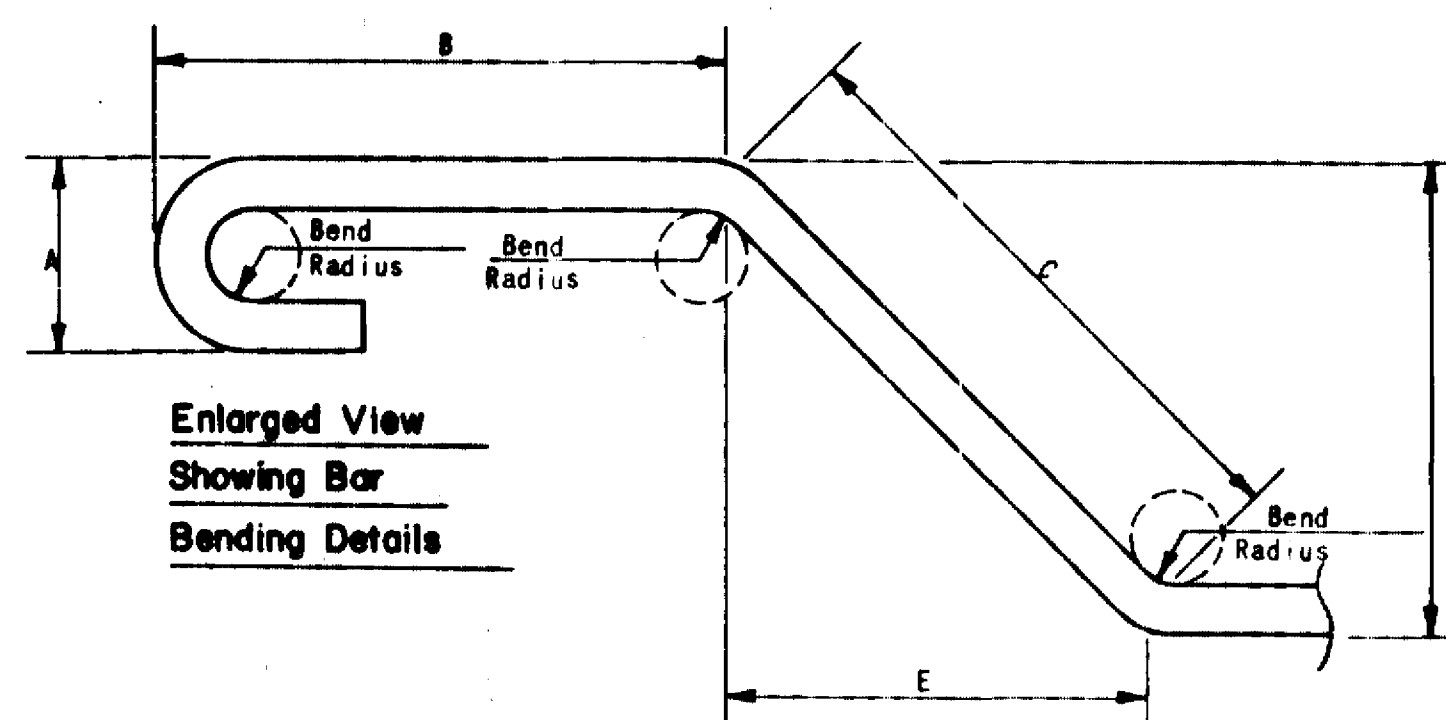
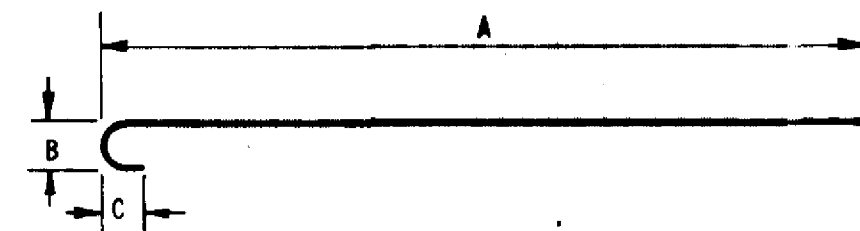
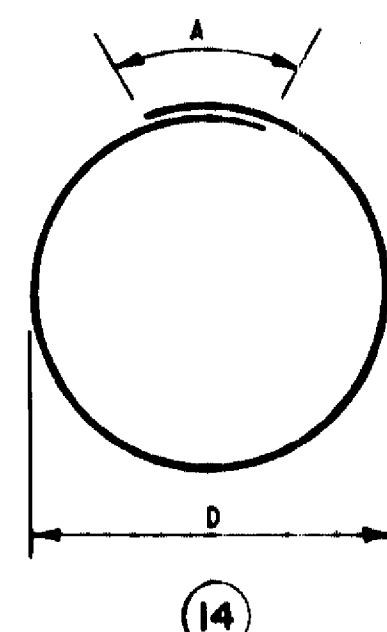
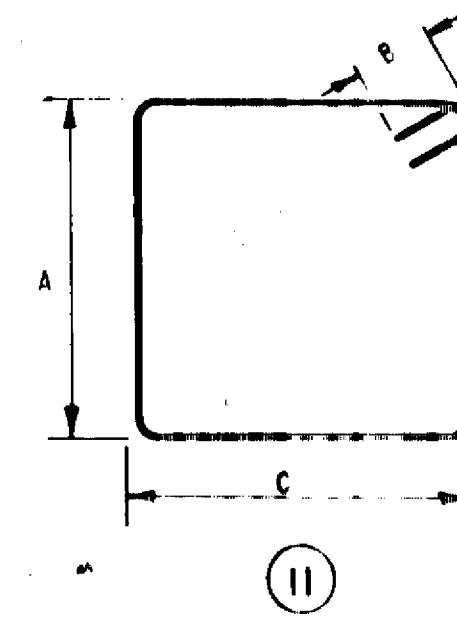
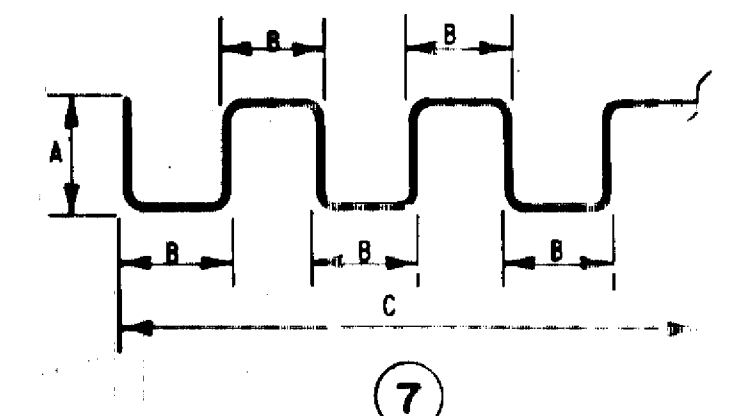
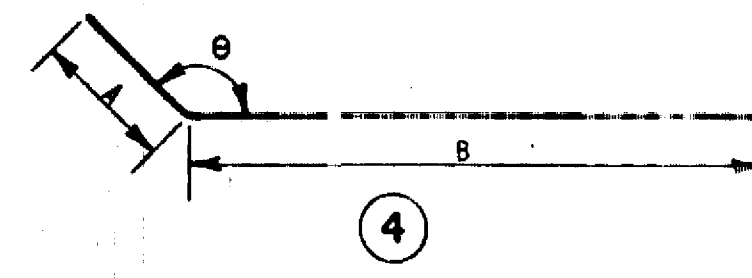
PROFILE	SURVEYED PLOTTED CHECKED BY	DATE	NO.



"A" Dimensions On 180° Hooks To Be Shown Only Where Necessary To Restrict Hook Size, Otherwise Standard Hooks Are To Be Used. Where "A" Is Not Shown, "A" Will Be Kept Equal To Or Less Than "D". Where "A" Can Exceed "D", It Should Be Shown.

"D" Dimensions On Stirrups To Be Shown Where Necessary To Fit Within Concrete.

Where Slope Differs From 45° Dimensions "D" And "E" Must Be Shown.



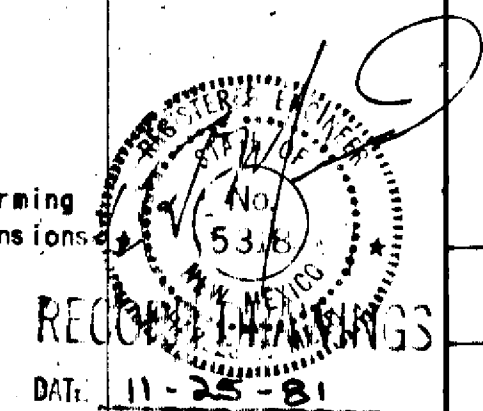
NO. OF BARS	SIZE	LENGTH FT IN	MARK	TYPE	LENGTH VARIES	FROM	TO	A	B	C	D	θ	RMKS
6	4	2	6	401	12								
2	4	3	9	402	12								
2	4	4	0	403	12								
2	4	4	5	404	12								
2	4	4	9	405	12								
2	4	5	0	406	12								
2	4	4	3	407	12								
2	4	2	6	408	12								
2	4	1	11	409	12								
4	4	4	6	413	12								
4	4	1	10	414	12								
4	4	2	1	415	12								
4	4	3	0	416	12								
4	4	6	2	417	12								
2	4	4	9	418	12								
2	4	2	6	419	12								
3	4	4	8	420	12								
2	4	1	4	421	12								
2	4	0	9	422	12								
2	4	0	9	423	12								
2	4	1	0	424	12								
5	4	8	4	425	1			2'-0"	4'-4"	2'-0"			
2	4	10	0	426	1			2'-0"	6'-0"	2'-0"			
2	4	8	8	427	1			2'-0"	6'-0"	0'-8"			
2	4	8	0	428	3			2'-0"	6'-0"				
1	4	10	8	429	14			1'-0"			3'-6"		
6	4	6	2	430	3			1'-0"	5'-2"				
12	4	VARIES	431	3		B	4'-11"	2'-1"	1'-0"	VARIES			2 RUNS
+2	4	1	10	432	12								2 RUNS
+2	4	4	10	433	4			1'-10"	3'-0"				135° 2 RUNS
+2	4	7	10	434	4			1'-10"	6'-0"				135° 2 RUNS
+2	4	10	7	435	4			1'-10"	8'-9"				135° 2 RUNS
4-8	4	15	6	436	4			1'-10"	11'-8"				135° 2 RUNS
+2	4	12	3	437	4			1'-0"	11'-3"				135° 2 RUNS
+2	4	13	10	438	4			1'-9"	12'-1"				135° 2 RUNS

GENERAL NOTES

- All Dimensions Are Out To Out Of Bar.
- Bending Radius For All Bends Shall Be As Shown Below.

BAR SIZE	BEND RADIUS
#3 Thru #8	3 Bar Diameters
#9 Thru #11	4 Bar Diameters
#14 Thru #18	5 Bar Diameters

- Figures In Circle Show Type.
- The Contractor Is Responsible For Confirming And Correlating All Quantities And Dimensions.

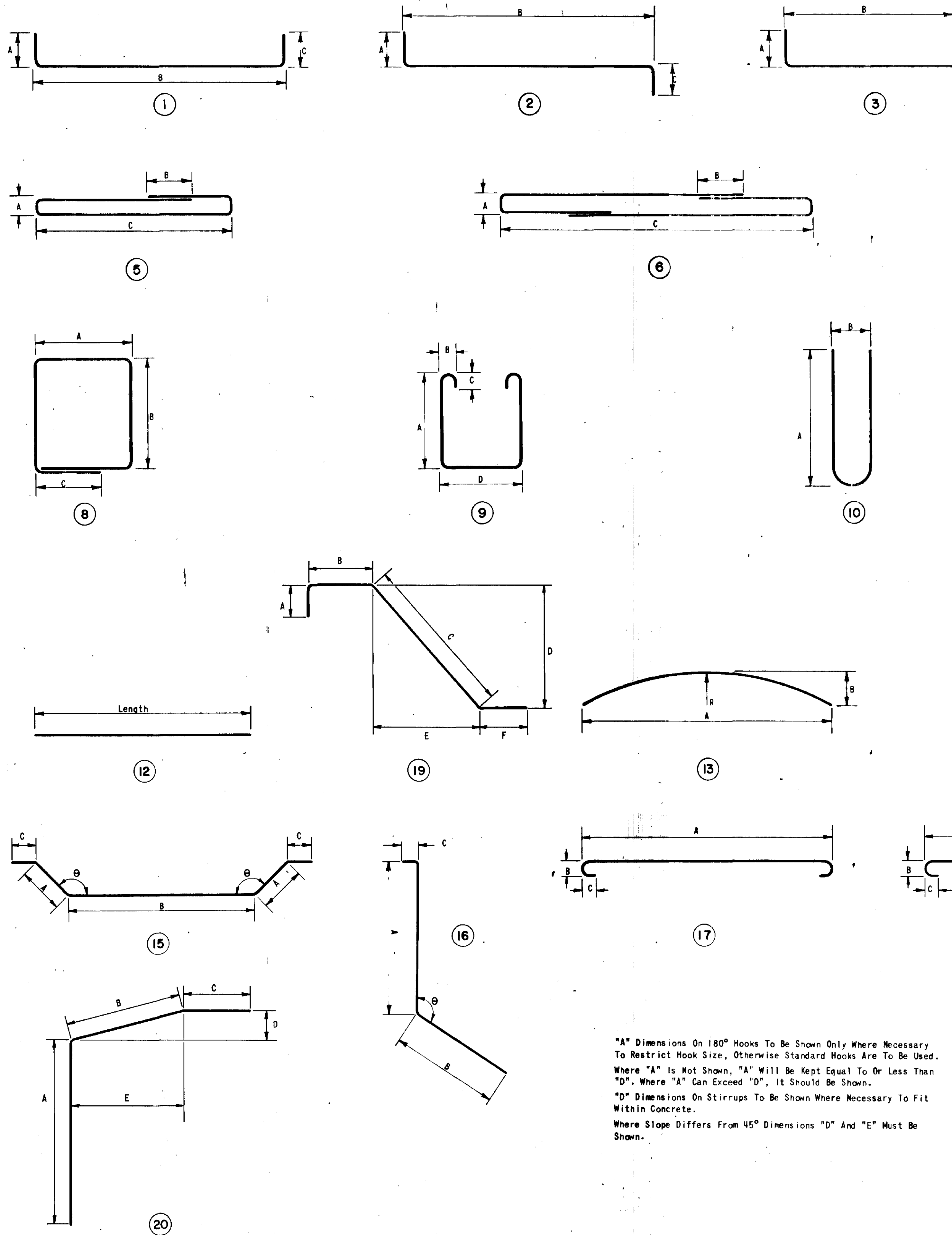


PREPARED UNDER THE DIRECTION OF		CITY OF ALBUQUERQUE	
PROJECT NUMBER		TITLE	
01510		PIEDRA LISA DAM TRASH RACK BAR BENDING SCHEDULE	
APPROVALS	ENGINEER	DATE	APPROVALS
DRAWING NO.		SHEET	13 OF 14

As built

PLAN	SURVEYED	DATE
	BY	
NO.	PLOTTED	DATE
	CHECKED	
	NOTE: BOOK NO. OF WAY CHECKED.	

PROFILE	SURVEYED	DATE
	BY	
NO.	PLOTTED	DATE
	CHECKED	
	NOTE: BOOK NO. OF WAY CHECKED.	



"A" Dimensions On 180° Hooks To Be Shown Only Where Necessary To Restrict Hook Size, Otherwise Standard Hooks Are To Be Used. Where "A" Is Not Shown, "A" Will Be Kept Equal To Or Less Than "D". Where "A" Can Exceed "D", It Should Be Shown.

"D" Dimensions On Stirrups To Be Shown Where Necessary To Fit Within Concrete.

Where Slope Differs From 45° Dimensions "D" And "E" Must Be Shown.

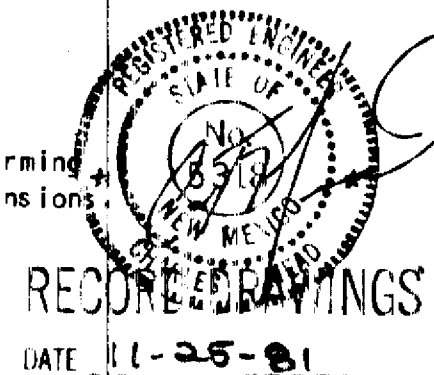
Enlarged View
Showing Bar
Bending Details

NO. OF BARS	SIZE	LENGTH FT. IN.	MARK	TYPE	LENGTH VARIES	FROM	TO	A	B	C	D	E	F
221	5	9	9	501	20	LENGTH 7'-6"	12'-9"	5'-10"	2'-5"	1'-6"	0'-6"	2'-3"	
18	5	VARIES	502	12	LENGTH 7'-6"	12'-9"							
24	5	13	0	510	12	LENGTH 13'-6"	21'-6"						
7	5	VARIES	511	12	LENGTH 7'-9"	23'-9"							
7	5	30	6	518	12	LENGTH 7'-9"	23'-9"						
12	5	VARIES	520	12	LENGTH 7'-9"	23'-9"							
49	5	29	6	540	12	LENGTH 7'-9"	23'-9"						
7	5	34	3	550	12								
222	4	6	9	401	19			2'-0"	0'-9"	2'-6"	1'-0"	2'-3"	1'-6"
10	4	5	9	402	12								
35	4	28	6	403	12								
4	4	16	6	410	4			5'-6"	11'-0"				
14	4	29	6	411	12								
4	4	16	6	401	12								
4	4	7	9	402	12								
2	4	7	6	403	12								
16	4	6	0	404	12								
6	4	1	1	405	12								
10	4	8	6	406	12								
5	4	VARIES	407	3	B	8'-6"	5'-9"	5'-0"	VARIES				2 RUNS
5	4	10	6	408	3			5'-0"	5'-6"				
6	4	21	6	409	12								
3	4	VARIES	410	12	LENGTH 5'-3"	8'-3"							2 RUNS
5	4	VARIES	411	15	A	5'-0"	7'-0"	VARIES 5'-1"	0'-9"				146 31°

GENERAL NOTES

- All Dimensions Are Out To Out Of Bar.
- Bending Radius For All Bends Shall Be As Shown Below.
- Figures In Circle Show Type.
- The Contractor Is Responsible For Confirming And Correlating All Quantities And Dimensions.

BAR SIZE	BEND RADIUS
#3 Thru #8	3 Bar Diameters
#9 Thru #11	4 Bar Diameters
#14 Thru #18	5 Bar Diameters



PREPARED UNDER THE DIRECTION OF		CITY OF ALBUQUERQUE	
PROJECT NUMBER 01510		TITLE: PIEDRA LISA DAM BAR BENDING SCHEDULE FOR END SILL OF EMERGENCY SPILLWAY & PRINCIPAL SPILLWAY OUTLET WORKS	
APPROVALS	ENGINEER	DATE	APPROVALS
DRAWING NO.		SHEET 14 OF 14	

As built