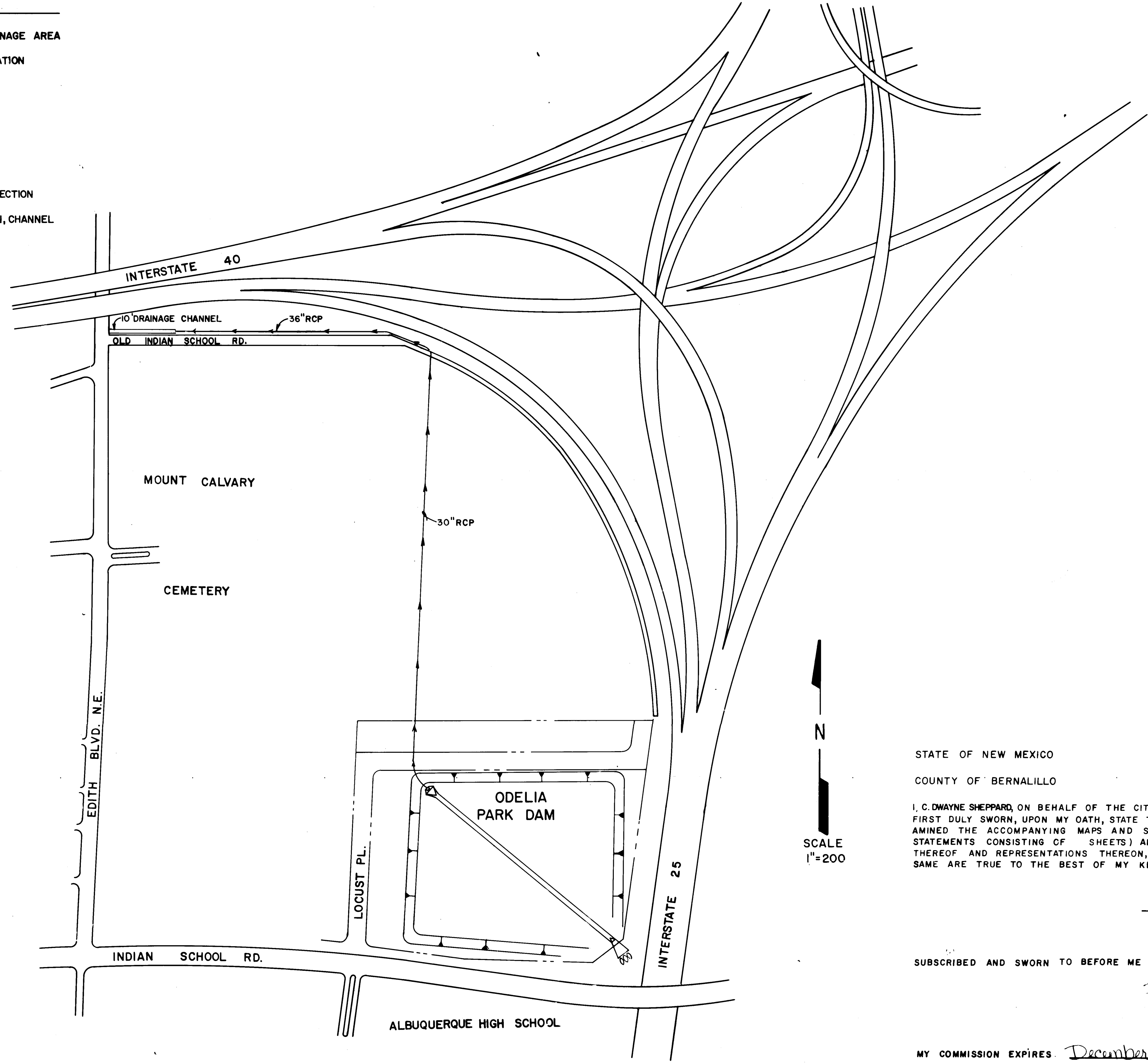


ODELIA PARK DAM ALBUQUERQUE NEW MEXICO

SHEET NO.	TITLE
1	COVER SHEET
2	100 YEAR STORM CONTRIBUTING DRAINAGE AREA
3	(PMF)CONTRIBUTING DRAINAGE AREA
4	SUMMARY OF PLATS WITH PARK LOCATION
5	HYDROLOGY
6	LOGS OF TEST HOLES
7	DAM KEY TRENCH
8	TOPOGRAPHY
9	TOPOGRAPHY
10	TOPOGRAPHY
11	STORM DRAIN PLAN & PROFILE
12	STORM DRAIN PLAN & PROFILE
13	CHANNEL PLAN & PROFILE
14	RESERVOIR FLOOR CHANNEL
15	PRINCIPAL SPILLWAY & TYPICAL DAM SECTION
16	TRASH RACK & RUN DOWN DETAILS
17	OUTLET STRUCTURE, FLAIRED SECTION, CHANNEL LINING AND BOLLARD DETAILS.



ODELIA PARK DAM FACILITIES & VICINITY MAP

STATE OF NEW MEXICO
COUNTY OF BERNALILLO
I, C. DWAYNE SHEPPARD, 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 SHEETS) AND KNOW THE CONTENTS THEREOF AND REPRESENTATIONS THEREON, AND STATE THAT THE SAME ARE TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

C. D. Sheppard
AUTHORITY, CLAIMANT

SUBSCRIBED AND SWORN TO BEFORE ME THIS 14th DAY OF Dec 1983

Thelma M. Martinez
NOTARY PUBLIC

MY COMMISSION EXPIRES December 31, 1985

STATE OF NEW MEXICO
COUNTY OF BERNALILLO
I, DWAYNE SHEPPARD STATE THAT I AM A REGISTERED PROFESSIONAL ENGINEER QUALIFIED IN CIVIL ENGINEERING AND THAT THE ACCOMPANYING PLANS CONSISTING OF 17 SHEETS WERE PREPARED BY ME OR UNDER MY DIRECTION AND ARE TRUE AND EARNST TO THE BEST OF MY KNOWLEDGE AND BELIEF.
C. D. Sheppard
C. DWAYNE SHEPPARD
NEW MEXICO REGISTERED PROFESSIONAL ENGINEER
NO. 3908

SUBSCRIBED AND SWORN TO BEFORE ME THIS 14th DAY OF December, 1983
MY COMMISSION EXPIRES December 31, 1985
Thelma M. Martinez
NOTARY PUBLIC

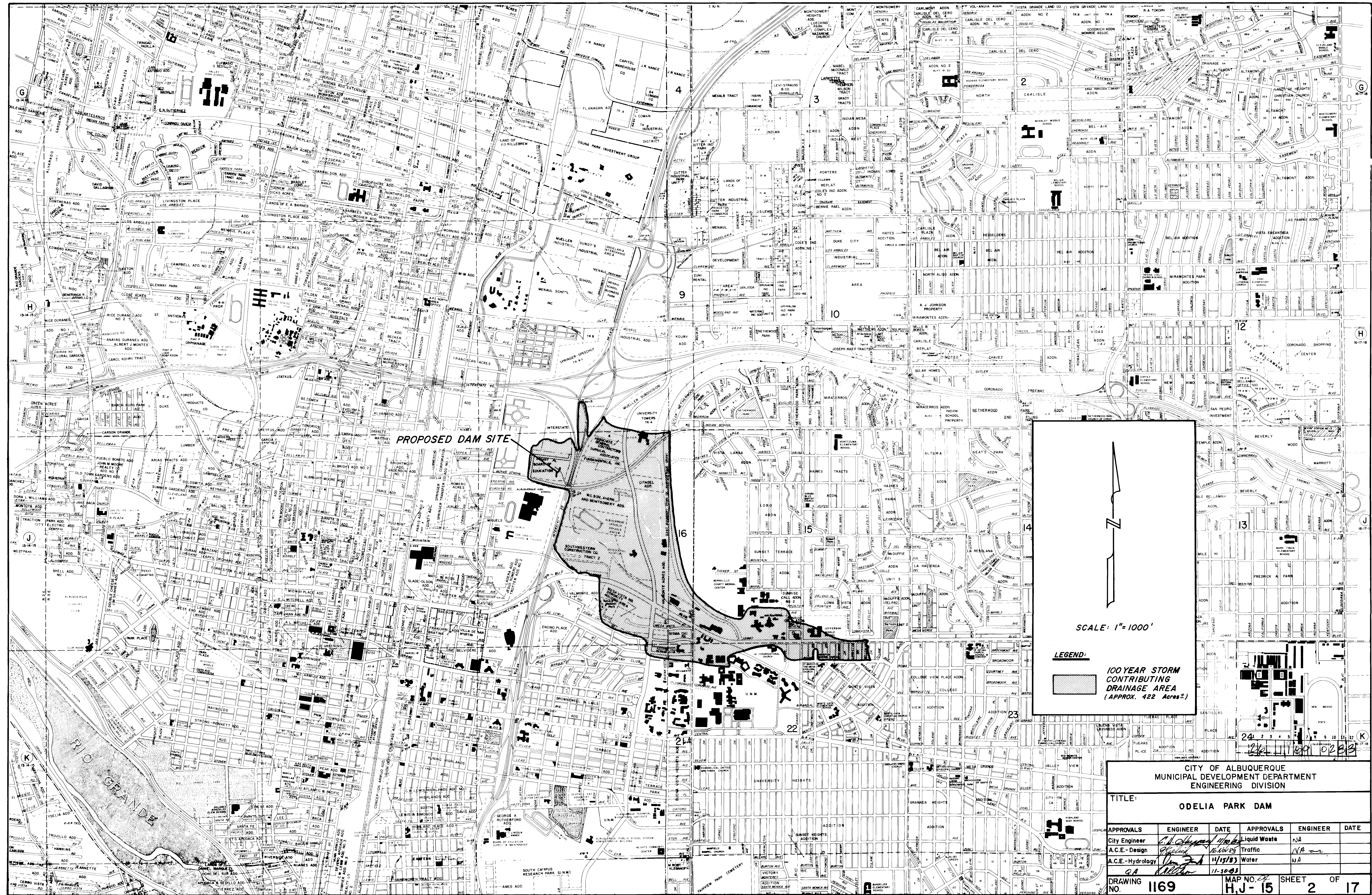
STATE OF NEW MEXICO
COUNTY OF BERNALILLO
I HEREBY CERTIFY THAT THE ACCOMPANYING PLANS AND SPECIFICATIONS HAVE BEEN DULY EXAMINED BY ME AND APPROVED AS TO FORM AND CONTENT, AND WERE DULY ACCEPTED FOR FILING ON THE 14th DAY OF December, 1983.

STATE ENGINEER

ODELIA PARK 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 ODELIA PARK DAM AS HEREINAFTER DESCRIBED AND INDICATED, HEREBY MAKES THESE SEVERAL STATEMENTS RELATIVE THERE AND OFFERS THIS MAP AND STATEMENTS FOR ACCEPTANCE AND FILING IN COMPLIANCE WITH THE LAWS OF THE STATE OF NEW MEXICO.
THE CENTER OF THE OUTLET STRUCTURE RACK OF ODELIA PARK DAM IS SITUATED WITHIN THE NE 1/4, NW 1/4 OF PROJECTED SECTION 16, T10N, R3E, N.M.P.M., ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO, AND BEARS NEW MEXICO STATE PLANE COORDINATES, CENTRAL ZONE OF X=385,237, Y=1,491,890.

W. F. McManis
8/12/84

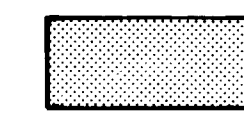
APPROVED FOR CONSTRUCTION DATE 11/20/83 CITY ENGINEER					
CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: ODELIA PARK DAM					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>CH</i>		Liquid Waste	<i>WA</i>	11-15-83
A.C.E. - Design	<i>Sheppard</i>	12/14/83	Traffic	<i>Sheppard</i>	11/20/83
A.C.E. - Hydrology	<i>Sheppard</i>	11/20/83	Water	<i>WA</i>	11-15-83
DRAWING NO. 1169 MAP NO. HJ-15 SHEET 1 OF 17					



PROPOSED DAM SITE

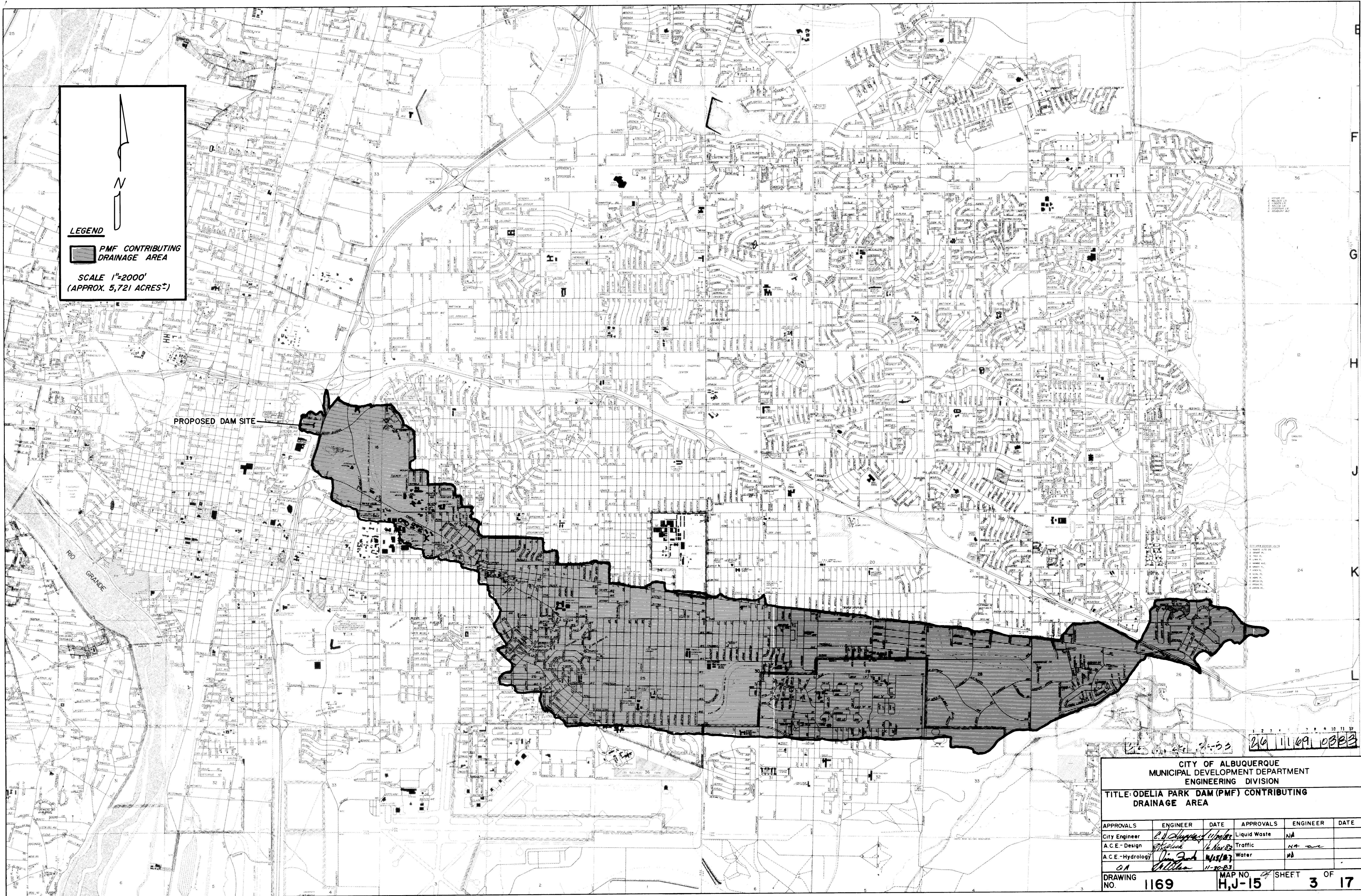
SCALE: 1"=1000'

LEGEND:

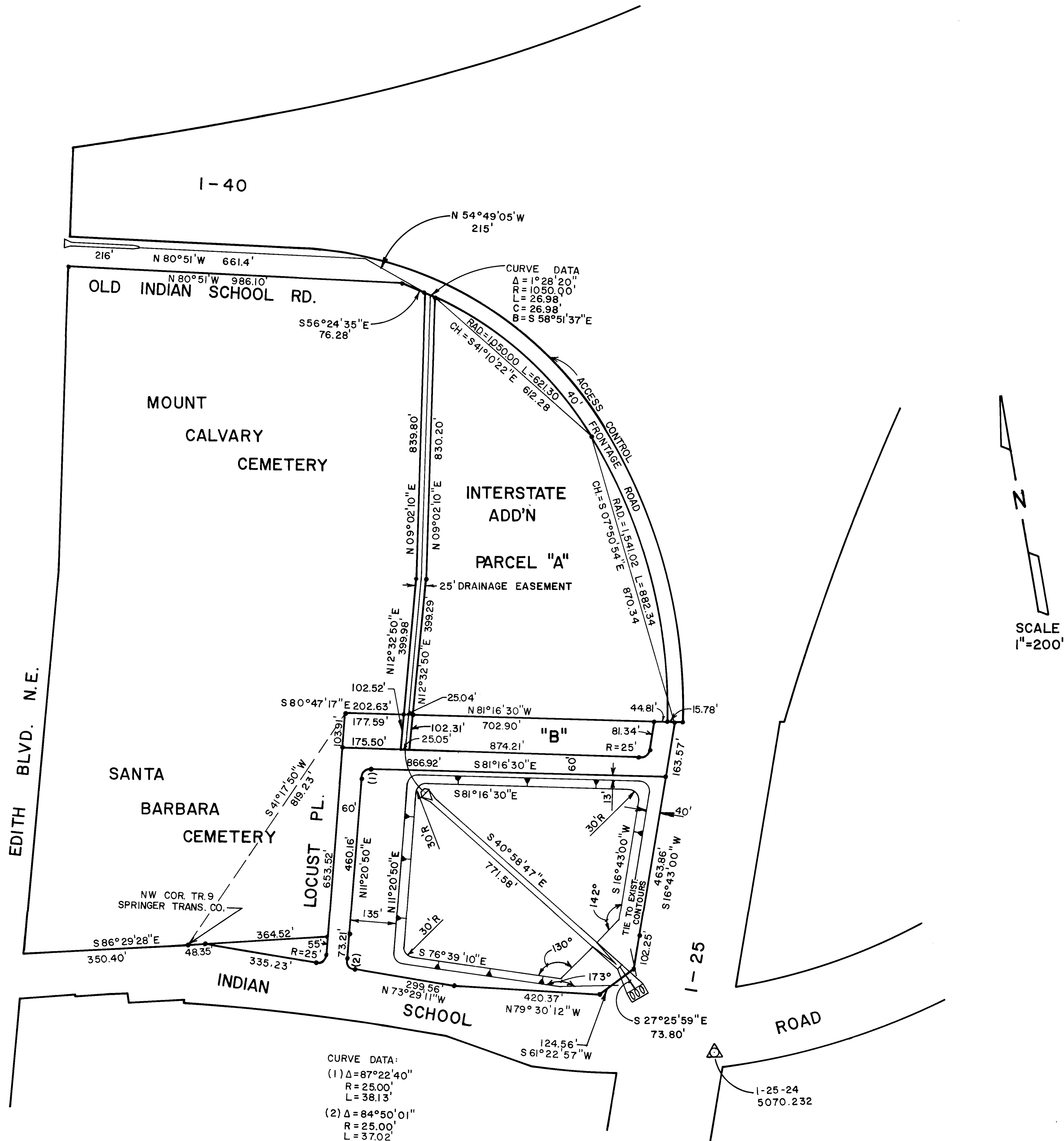


100 YEAR STORM
CONTRIBUTING
DRAINAGE AREA
(APPROX. 422 ACRES ±)

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: ODELIA PARK DAM					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	11/15/83	Liquid Waste	NA	
A.C.E.-Design	<i>[Signature]</i>	11/15/83	Traffic	NA	
A.C.E.-Hydrology	<i>[Signature]</i>	11/15/83	Water	NA	
DRAWING NO. 1169	MAP NO. HJ-15		SHEET 2 OF 17		

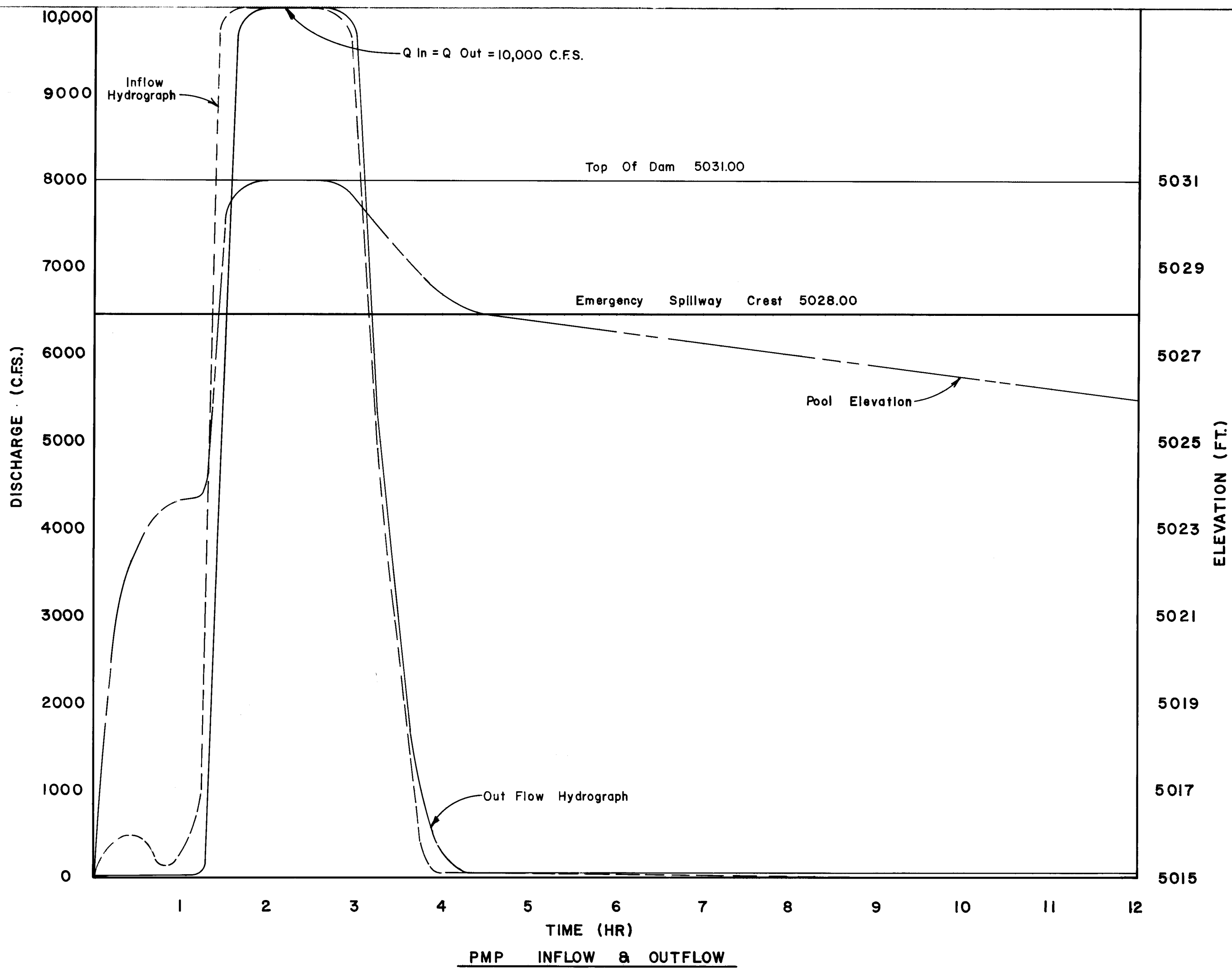
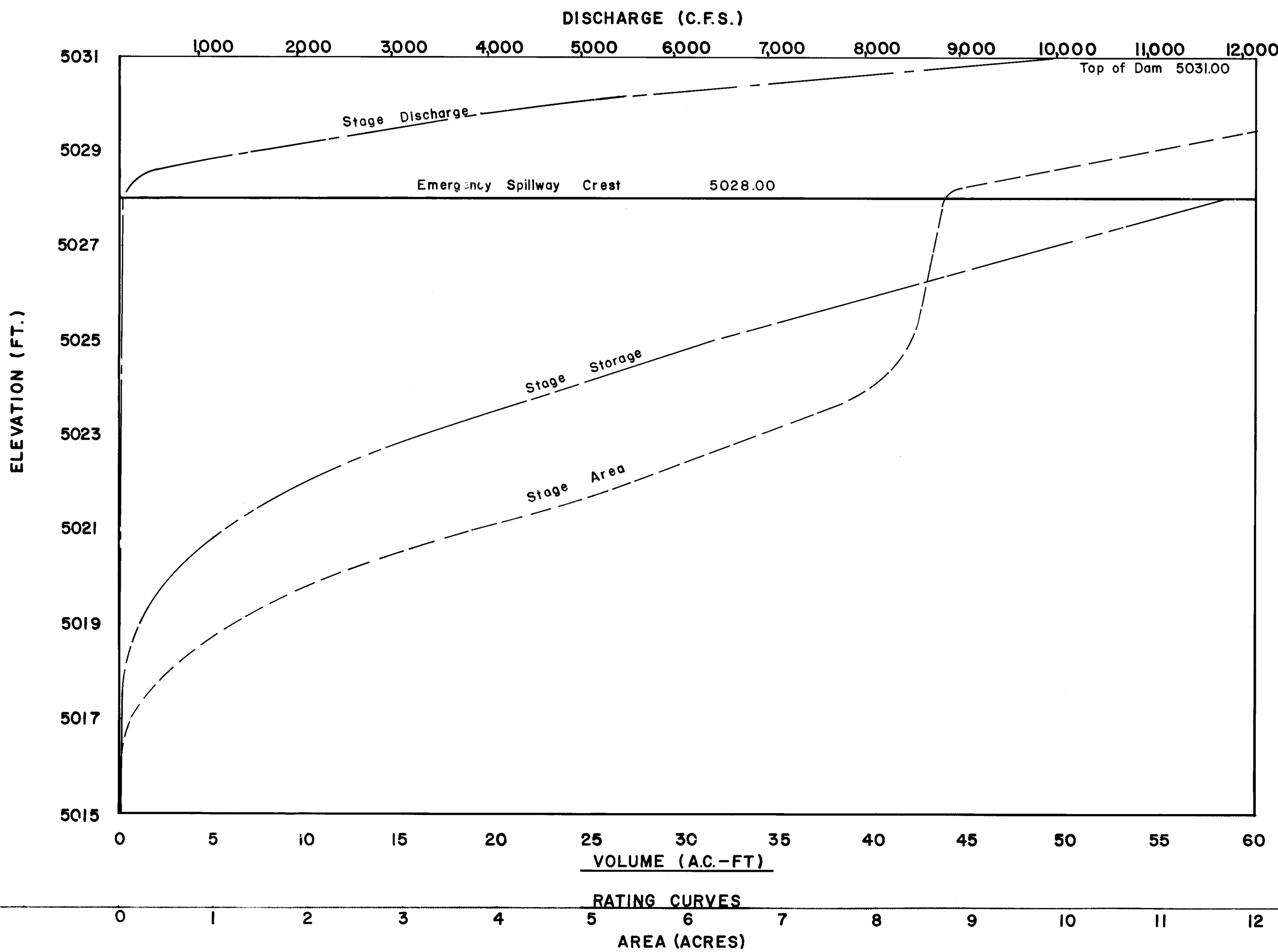
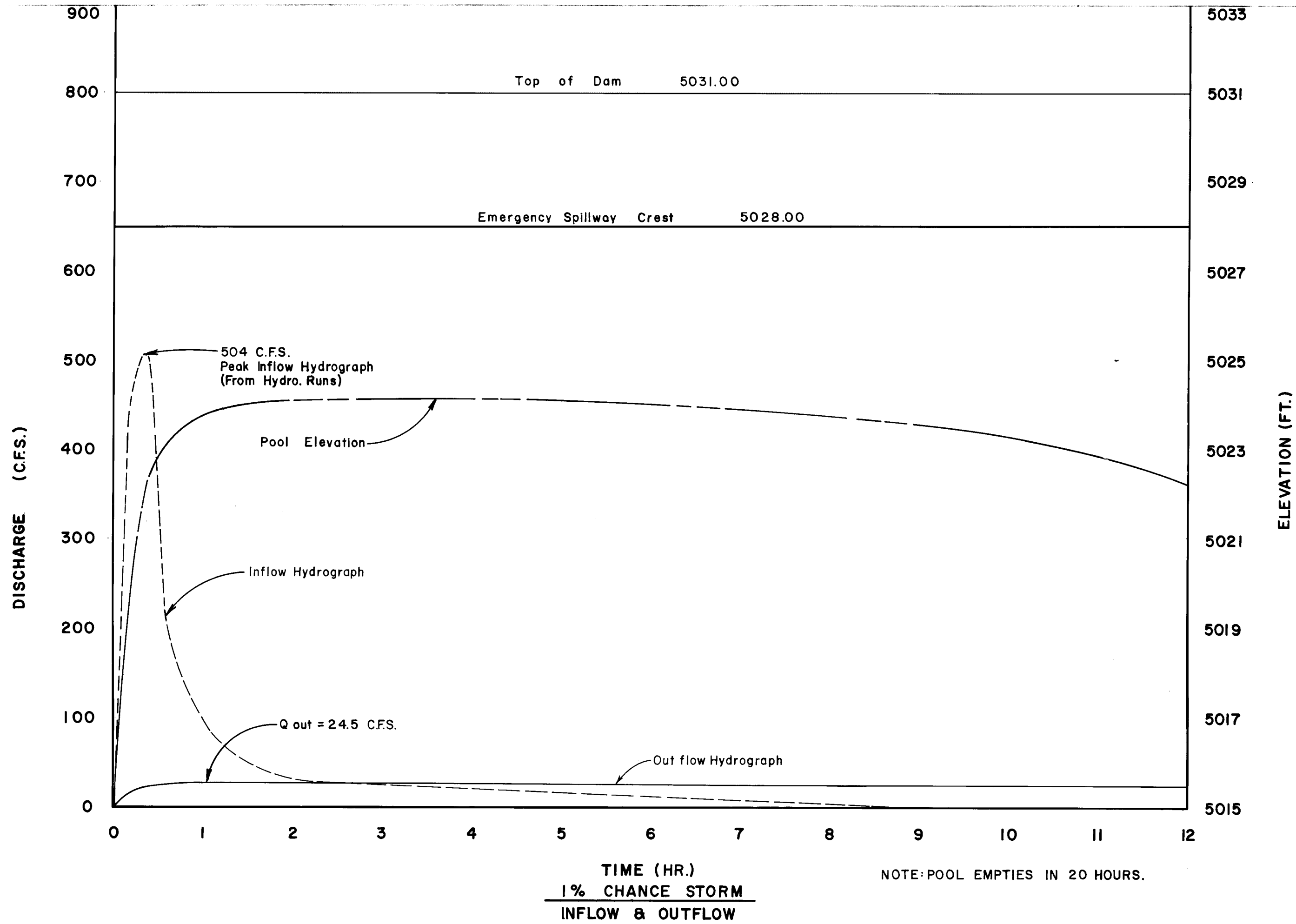


CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: ODELIA PARK DAM (PMF) CONTRIBUTING DRAINAGE AREA					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>C. J. [Signature]</i>	11/15/83	Liquid Waste	NA	
A.C.E. - Design	<i>[Signature]</i>	16 Nov 83	Traffic	NA	
A.C.E. - Hydrology	<i>[Signature]</i>	11/15/83	Water	NA	
DRAWING NO. 1169		MAP NO. H, J-15		SHEET 3 OF 17	



26 1169 0483

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: SUMMARY OF PLATS WITH PARK LOCATION					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	11/15/83	Liquid Waste	NA	
A.C.E. - Design	<i>[Signature]</i>	11/15/83	Traffic	<i>[Signature]</i>	11/30/83
A.C.E. - Hydrology	<i>[Signature]</i>	11/15/83	Water	NA	
QA	<i>[Signature]</i>	11-30-83			
DRAWING NO.	1169	MAP NO.	H,J-15	SHEET	4 OF 17



BROAD CRESTED WEIR COEFFICIENT = 3.00

	ELEVATION (WATER SURFACE) (FT.)	LENGTH (FT.)	EFFECTIVE LENGTH (FT.)	@ 5029		@ 5030		@ 5031	
				EFFECTIVE DEPTH (FT.)	Q (CFS)	EFFECTIVE DEPTH (FT.)	Q (CFS)	EFFECTIVE DEPTH (FT.)	Q (CFS)
WEST SPILLWAY	5028	30	30	1	90.00	2	254.56	3	467.65
	5029	60	60-30=30	.5	31.82	1.5	165.34	2.5	355.76
	5030	153	153-60=93	—	—	.5	98.64	1.5	512.56
	5031	195	195-153=42	—	—	—	—	.5	44.55
NORTH SPILLWAY	5028	415	415	1	1245.00	2	3,521.39	3	6,469.21
	5029	465	465-415=50	.5	53.03	1.5	275.57	2.5	592.93
	5030	725	725-465=260	—	—	.5	275.77	1.5	1,432.95
	5031	865	865-725=140	—	—	—	—	.5	148.49
TOTAL					1419.85		4591.27		10,024.10

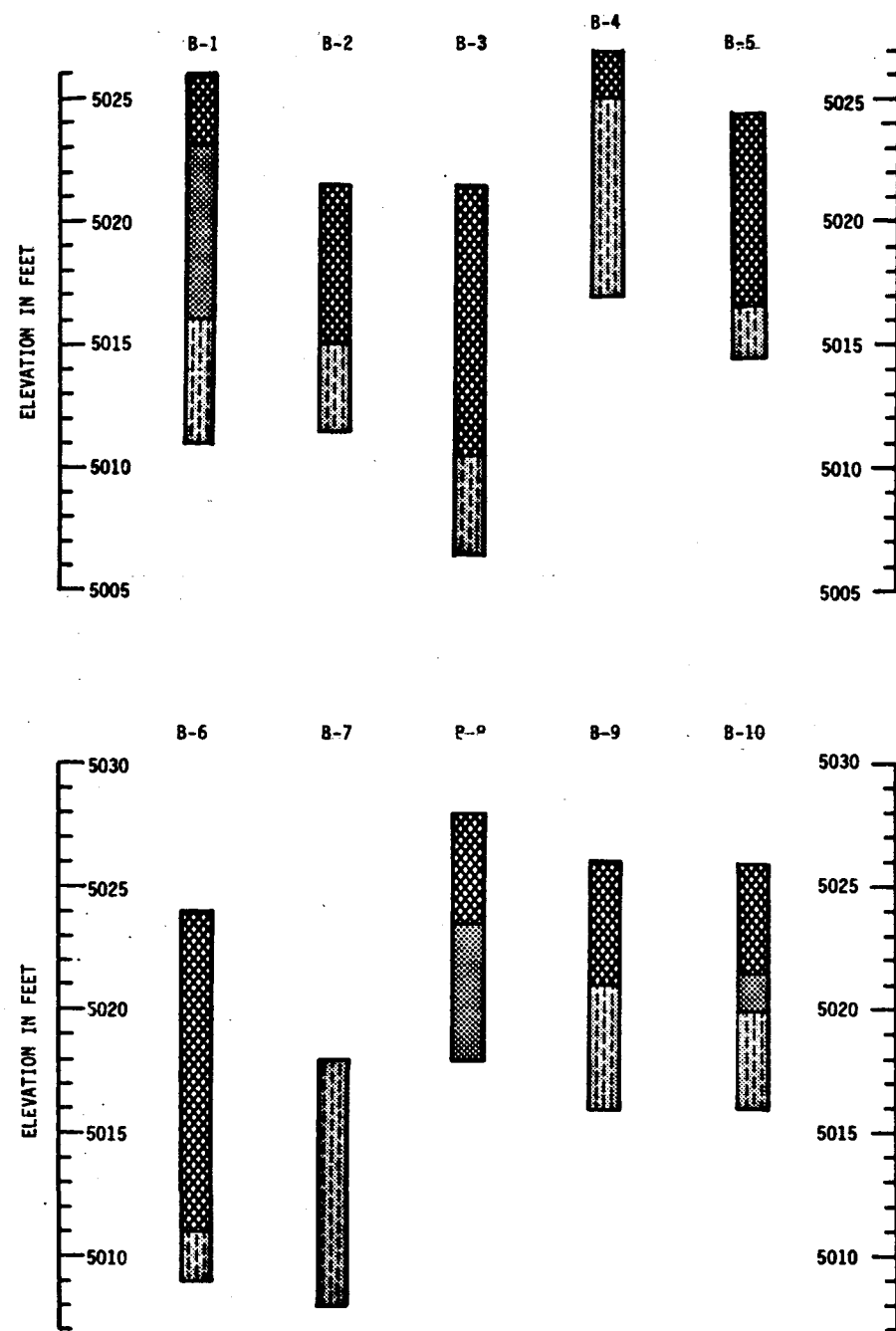
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: ODELIA PARK DAM (HYDROLOGY)

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	11/15/83	Liquid Waste	NA	
A.C.E. - Design	<i>[Signature]</i>	11/15/83	Traffic	NA	
A.C.E. - Hydrology	<i>[Signature]</i>	11/15/83	Water	NA	

DESIGNED BY JIM FINK DATE 10/83
DRAWN BY STEVE CHAVEZ/AUS DATE 10/83
CHECKED BY STEVE BOBERG DATE 10/83

DRAWING NO. 1169 SHEET 5 OF 17



BORROW AREA TEST HOLES

LEGEND

- MAN-MADE FILL, sand, silty, gravelly, some debris, erratic density and moisture, brown to dark brown
- SAND, medium to fine-grained, slightly silty to silty, some clean sand lenses, medium dense to dense, dry to slightly moist, light gray to light brown (SM)
- SAND, coarse to fine-grained, slightly silty to silty, slightly gravelly to gravelly, medium dense to dense, dry to slightly moist, light brown to brown (SP-SM)
- SAND, coarse to fine-grained, clean to slightly silty, gravelly, medium dense to dense, dry to slightly moist, brown (SP)
- N.R. indicates no sample recovery

Notes

- Test holes were drilled on January 12, 13, and 14, 1983 with a 6-inch diameter hollowstem continuous flight power auger.
- (22/12) location of Standard Penetration Test; indicates that 22 blows with a 140-pound hammer, falling 30 inches, were required to drive a 2-inch diameter sampler 12 inches.
- The locations of borings were approximately determined by tape and compass measurement from baselines laid out by the City of Albuquerque. Elevations of borings are determined by survey performed by the City of Albuquerque. The location and elevation of the borings should be considered accurate only to the degree implied by the method used.
- The stratification lines represent the approximate boundary between soil types and the transition may be gradual.
- Neither bedrock nor groundwater was encountered in the test holes.

SUMMARY OF LABORATORY TEST DATA

Hole No.	Depth of Sample (ft)	Natural Dry Density (pcf)	Natural Moisture Content (%)	Atterberg LL	Limits PI	Sieve Analysis % Passing					Soil Description
						No. 4	No. 10	No. 40	No. 80	No. 200	
1	10	101	6.3	NV	NP	100	98	79	38	13	silty SAND
2	15	105	3.2	NV	NP	79	70	51	32	9	slightly silty, gravelly SAND
3	5	-	-	NV	NP	95	78	37	12	3	clean SAND
4	15	102	6.0	NV	NP	96	92	62	22	7	slightly silty SAND
5	10	105	4.8	NV	NP	100	96	49	15	5	clean SAND
B-1	0-10			NV	NP	64	58	39	21	11	slightly silty, very gravelly SAND
B-2	6.5-10			NV	NP	88	83	59	34	20	silty, gravelly SAND
B-3	0-11			20	NP	77	69	54	36	19	silty, gravelly SAND
B-4	0-7			NV	NP	96	92	72	49	18	silty SAND
B-5	0-8			NV	NP	69	60	45	28	15	silty, very gravelly SAND
B-6	13-15			NV	NP	99	96	70	37	17	silty SAND
B-7	0-6			NV	NP	89	81	68	54	20	silty, slightly gravelly SAND
B-8	4.5-10			NV	NP	91	88	70	27	9	slightly silty, slightly gravelly SAND
B-9	0-5			NV	NP	44	39	24	11	6	very sandy, slightly silty GRAVEL

NV indicates no value, NP indicates non-plastic

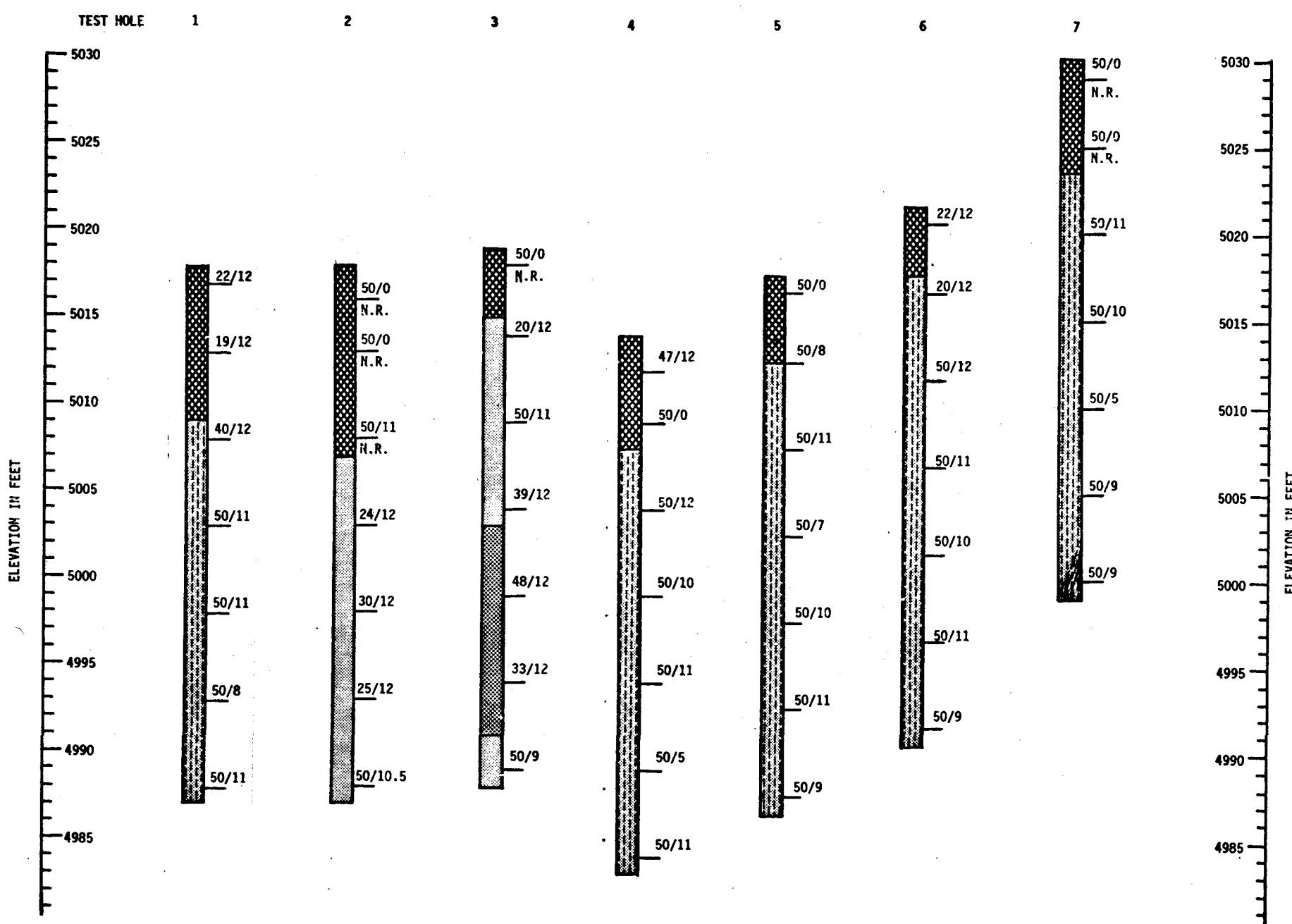
RESULTS OF PERMEABILITY TESTING

Test Hole No.	Depth (ft)	Permeability* ft./min.
2	15	3.05×10^{-3}
4	30	4.74×10^{-3}
5	30	2.79×10^{-5}
6	30	2.99×10^{-2}

* Permeability tests were performed in the field with a 2" pipe placed on natural soils, using the constant head method.

Material	Compaction	Permeability** ft./min.
Group 1	90%	3.9×10^{-2}
Group 2	90%	1.9×10^{-1}

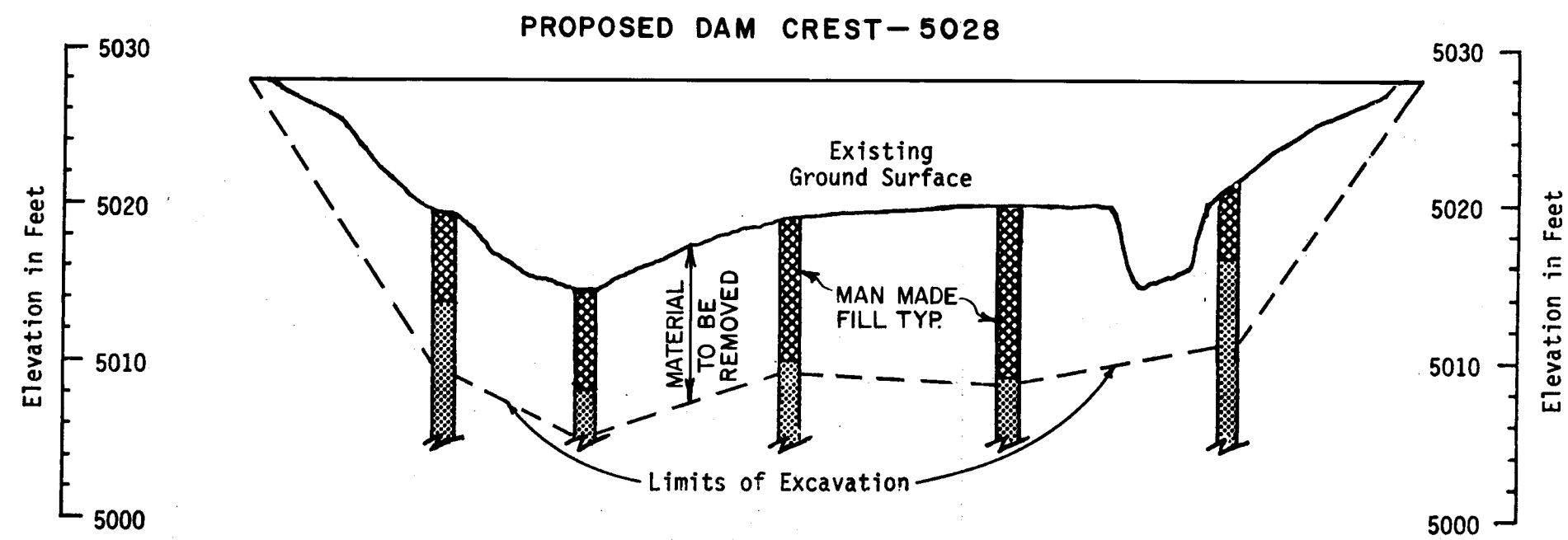
** Permeability tests were performed in the laboratory on remolded borrow materials using the falling head method.



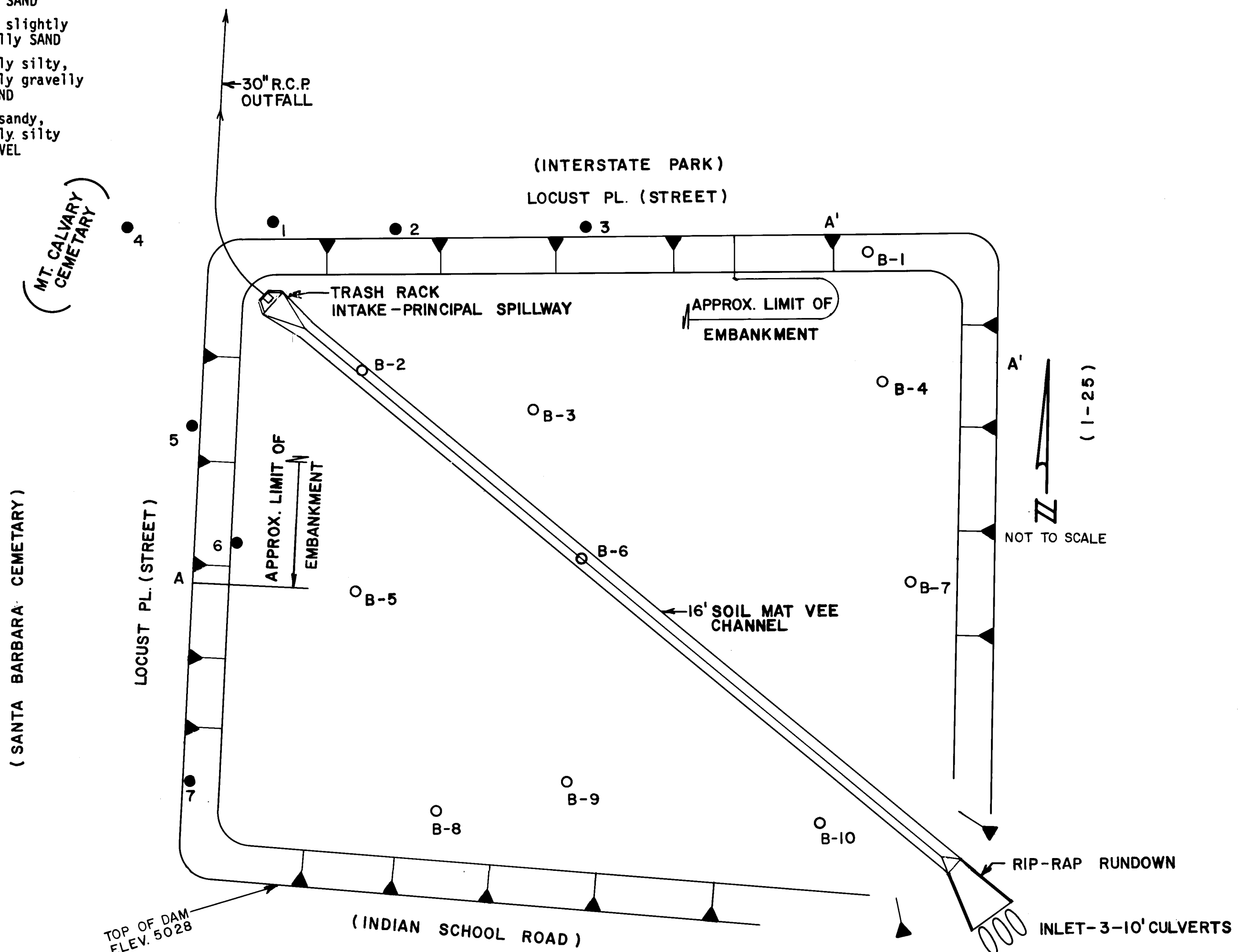
EMBANKMENT AREA TEST HOLES

SOIL NOTES:

- THE EMBANKMENT PORTION OF THE RETENTION STRUCTURE MUST NOT BE PLACED ON MAN-MADE FILL. ALL SUCH MAN-MADE FILL ENCOUNTERED MUST BE REMOVED FROM BENEATH THE ENTIRE EMBANKMENT PRIOR TO CONSTRUCTION AS DIRECTED BY THE ENGINEER.
- AREAS OF THE RESERVOIR FLOOR REQUIRING FILL PLACEMENT WILL BE TREATED AS IN ITEM ONE (1) ABOVE AND IN ACCORDANCE WITH THE SPECIFICATIONS.
- COMPACTION OF CUT SLOPES IS NOT NECESSARY.



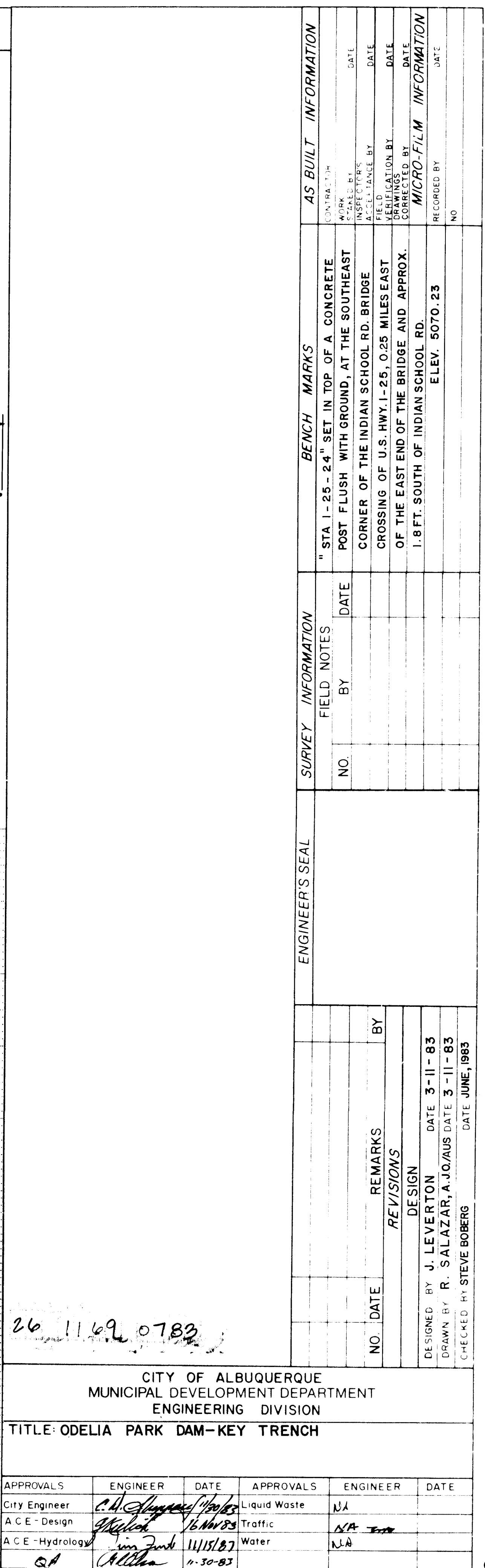
TYPICAL EMBANKMENT SECTION

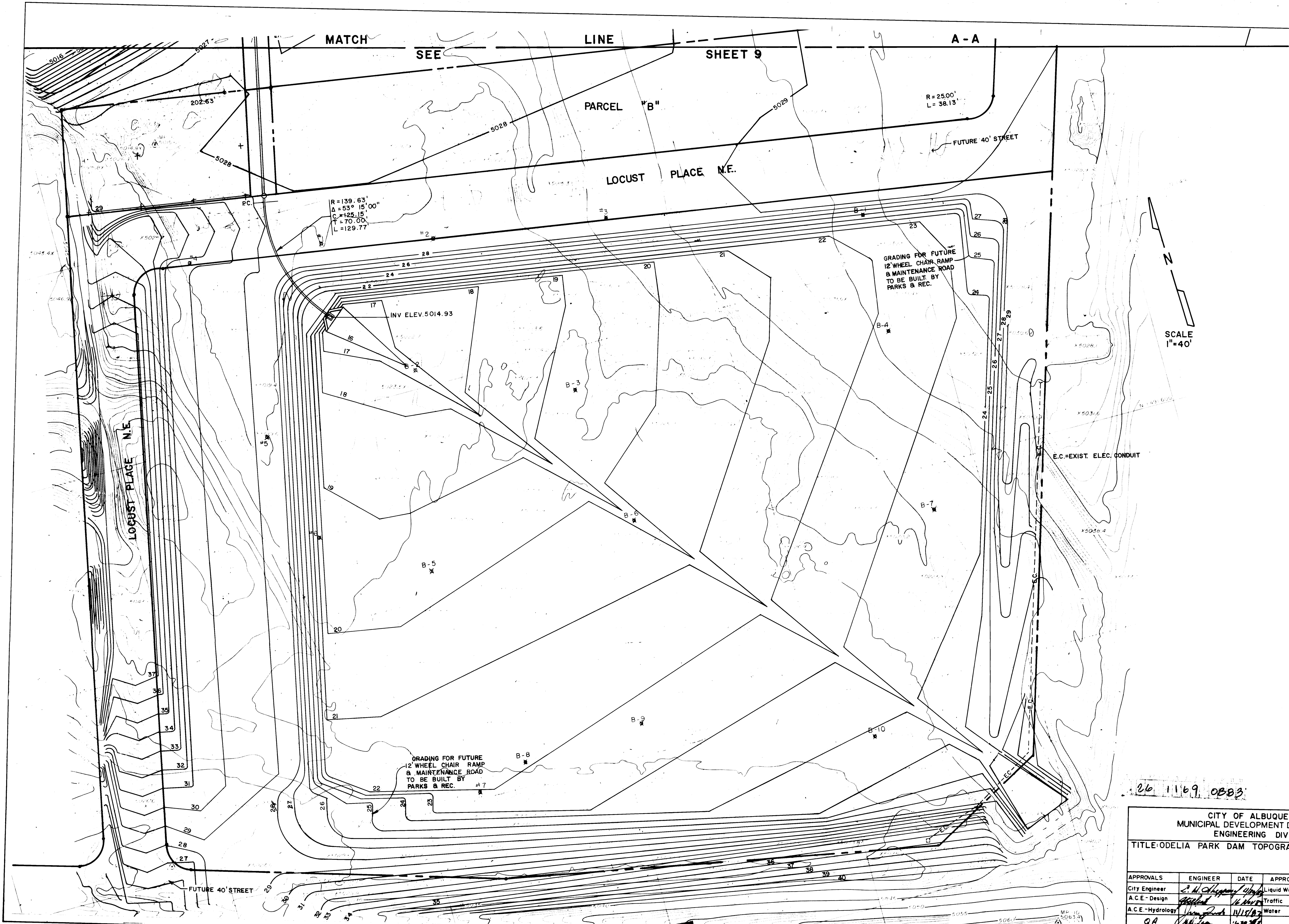


DAM & FACILITIES MAP
INDICATING TEST HOLE LOCATIONS

SOILS INFORMATION SHOWN FROM REPORT DATED 2-14-83
PREPARED BY F.M. FOX & ASSOC. INC. CONSULTING ENGS.
& GEOLOGISTS, ALBUQUERQUE NEW MEXICO.

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: ODELIA PARK DAM (SOILS)					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>E.H. [Signature]</i>	11/16/83	Liquid Waste	NA	
A.C.E.-Design	<i>[Signature]</i>	11/16/83	Traffic	NA	
A.C.E.-Hydrology	<i>[Signature]</i>	11/16/83	Water	NA	
QA	<i>[Signature]</i>	11-30-83			
DRAWING NO.	1169	MAP NO.	H,J-15	SHEET	6 OF 17

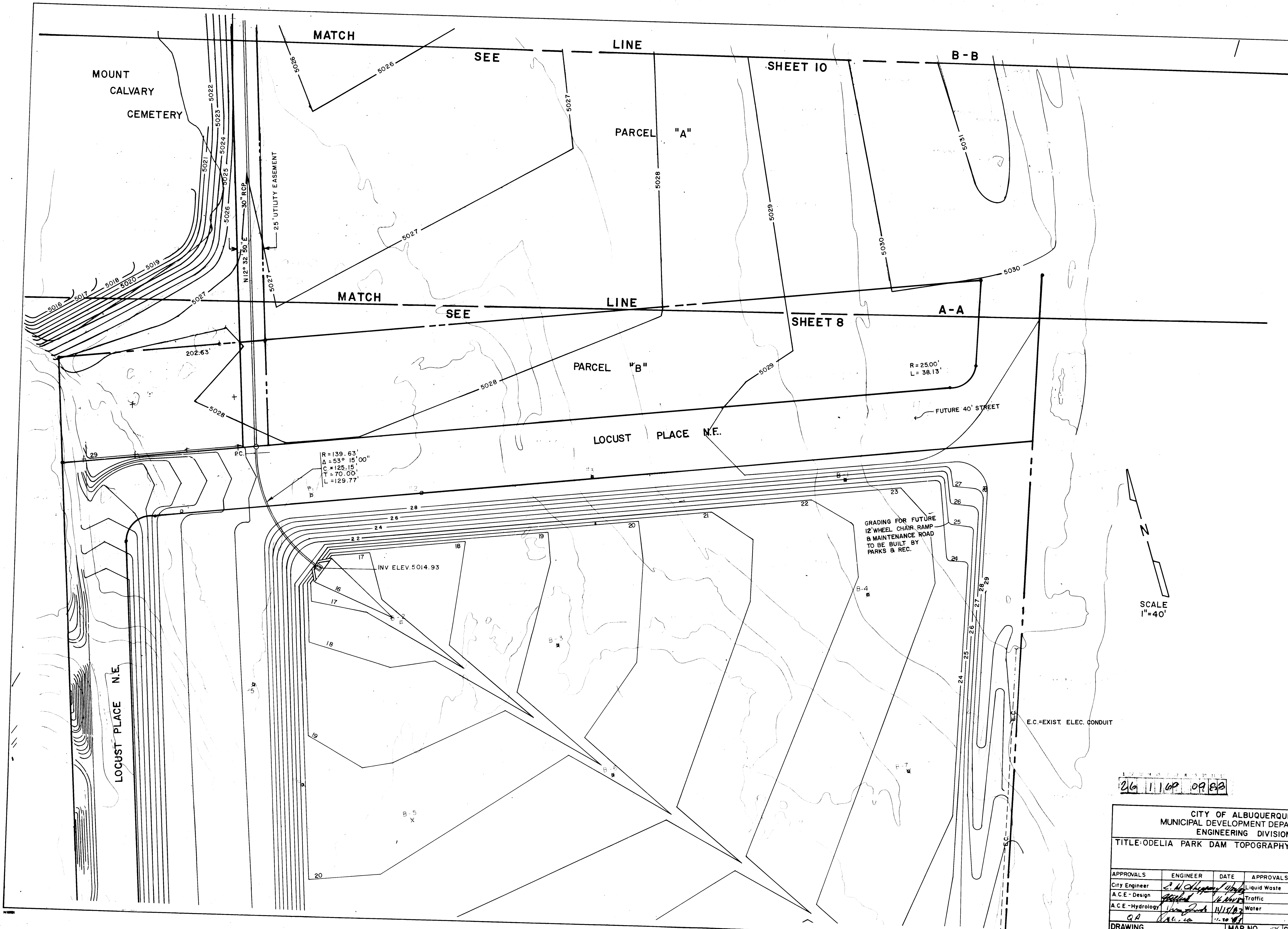




BENCH MARKS		AS BUILT INFORMATION	
STA 1+25-24 SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND AT THE SOUTHEAST CORNER OF THE INDIAN SCHOOL RD. BRIDGE CROSSING OF U.S. HWY. 1-25, 0.25 MILES EAST OF THE EAST END OF THE BRIDGE AND APPROXIMATELY 18 FT. SOUTH OF INDIAN SCHOOL RD. ELEV 5070.232		CONTRACTOR: BAKER SPARLING WORK FOR: CITY OF ALBUQUERQUE INSPECTOR: [Signature] ACCEPTANCE: [Signature] DATE: 7/84 DRAWING: [Signature] DATE: 7/84 RECORD: [Signature] DATE: 7/84	

26 1169 0883

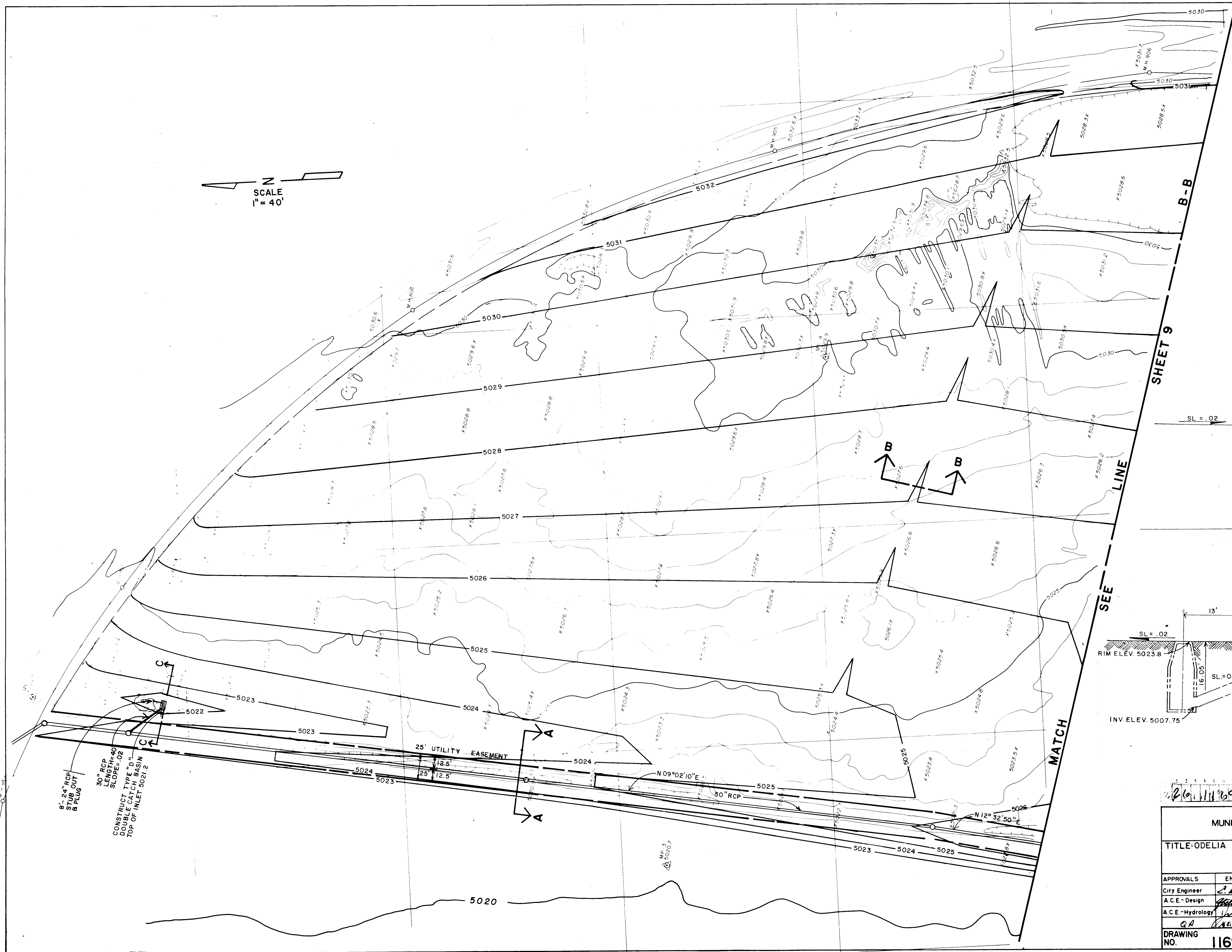
CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: ODELIA PARK DAM TOPOGRAPHY					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[Signature]	11/17/83	Liquid Waste	NA	
A.C.E.-Design	[Signature]	11/17/83	Traffic	[Signature]	11/17/83
A.C.E.-Hydrology	[Signature]	11/17/83	Water	NA	
QA	[Signature]	11/30/83			
DRAWING NO.	1169	MAP NO.	HJ-15	SHEET	8 OF 17



BENCH MARKS		AS BUILT INFORMATION	
"STA 1+25-24" SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND AT THE SOUTHEAST CORNER OF THE INDIAN SCHOOL RD. BRIDGE CROSSING OF U.S. HWY 1-25.0.25 MILES EAST OF THE EAST END OF THE BRIDGE AND APPROXIMATELY 18 FT. SOUTH OF INDIAN SCHOOL RD. ELEV. 5070.232		CONTRACTOR BAKER SPARLING WORK STAMPED BY CITY OF ALBU. DATE 7/84 ACCEPTED BY FIELD DATE 7/84 CORRECTED BY R.M.S. DATE 7/84 MICRO-FILM INFORMATION RECORDED BY DATE	

26 11 09 09 82

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: ODELIA PARK DAM TOPOGRAPHY					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	11/15/82	Liquid Waste	NA	
A.C.E. - Design	<i>[Signature]</i>	11/15/82	Traffic	<i>[Signature]</i>	11/15/82
A.C.E. - Hydrology	<i>[Signature]</i>	11/15/82	Water	NA	
DRAWING NO. 1169			MAP NO. H,J-15 SHEET 9 OF 17		



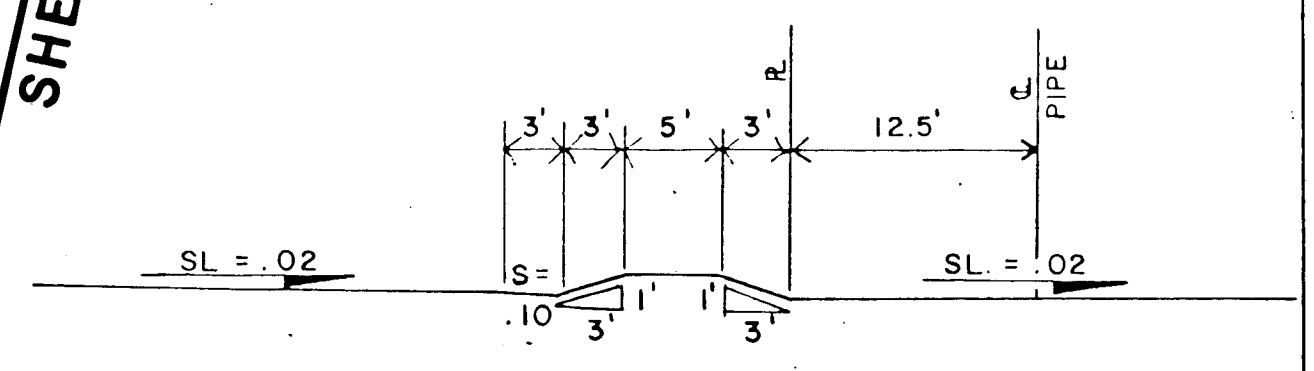
8'-24" RCP
STUB OUT
& PLUG
30" RCP
LENGTH=40'
SLOPE=0.02
CONSTRUCT TYPE "D"
DOUBLE CATCH BASIN
TOP OF INLET 5021.2

N
SCALE
1" = 40'

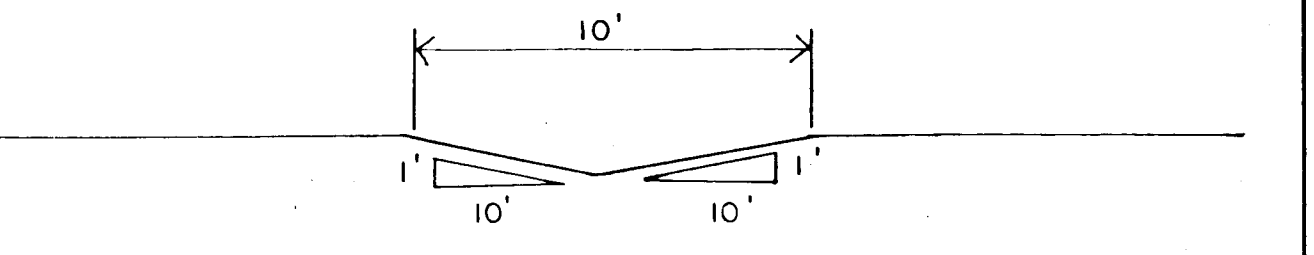
25' UTILITY EASEMENT

MP 3
5020.7

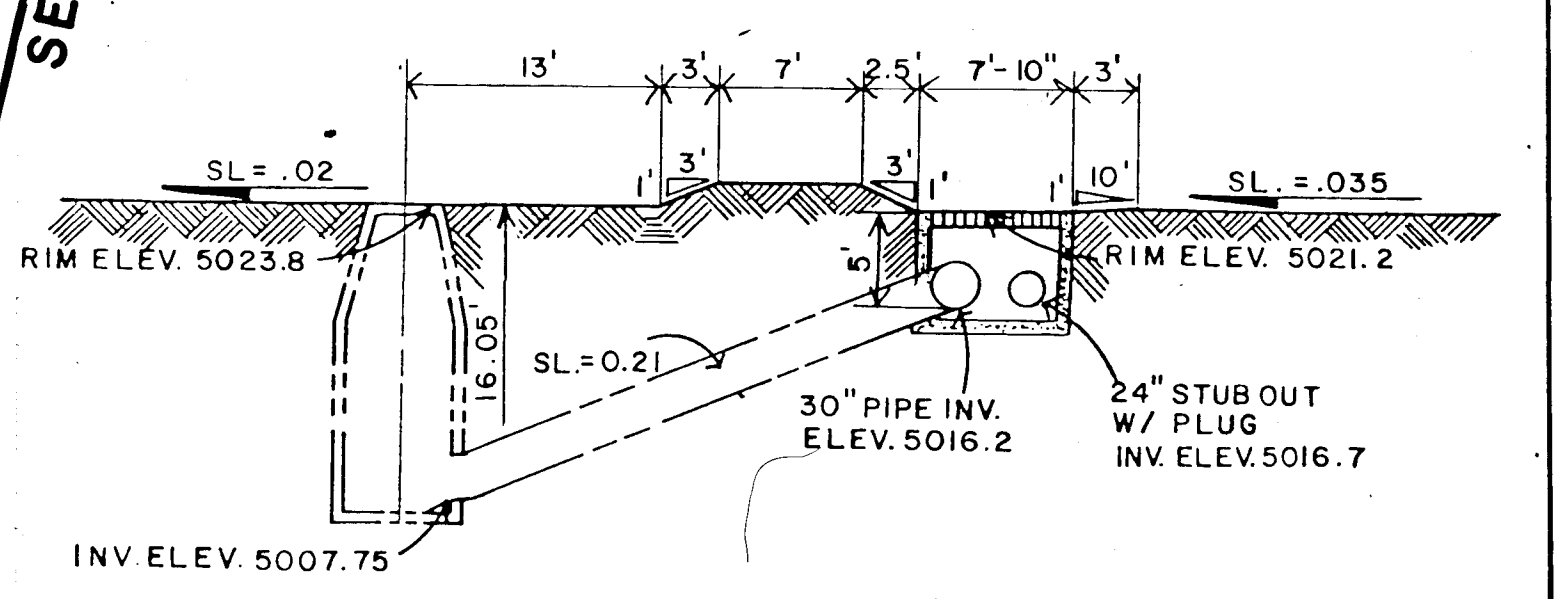
E 385 200



A - A
1" = 10'



B - B
1" = 5'



C - C
1" = 10'

2011/11/16/1083

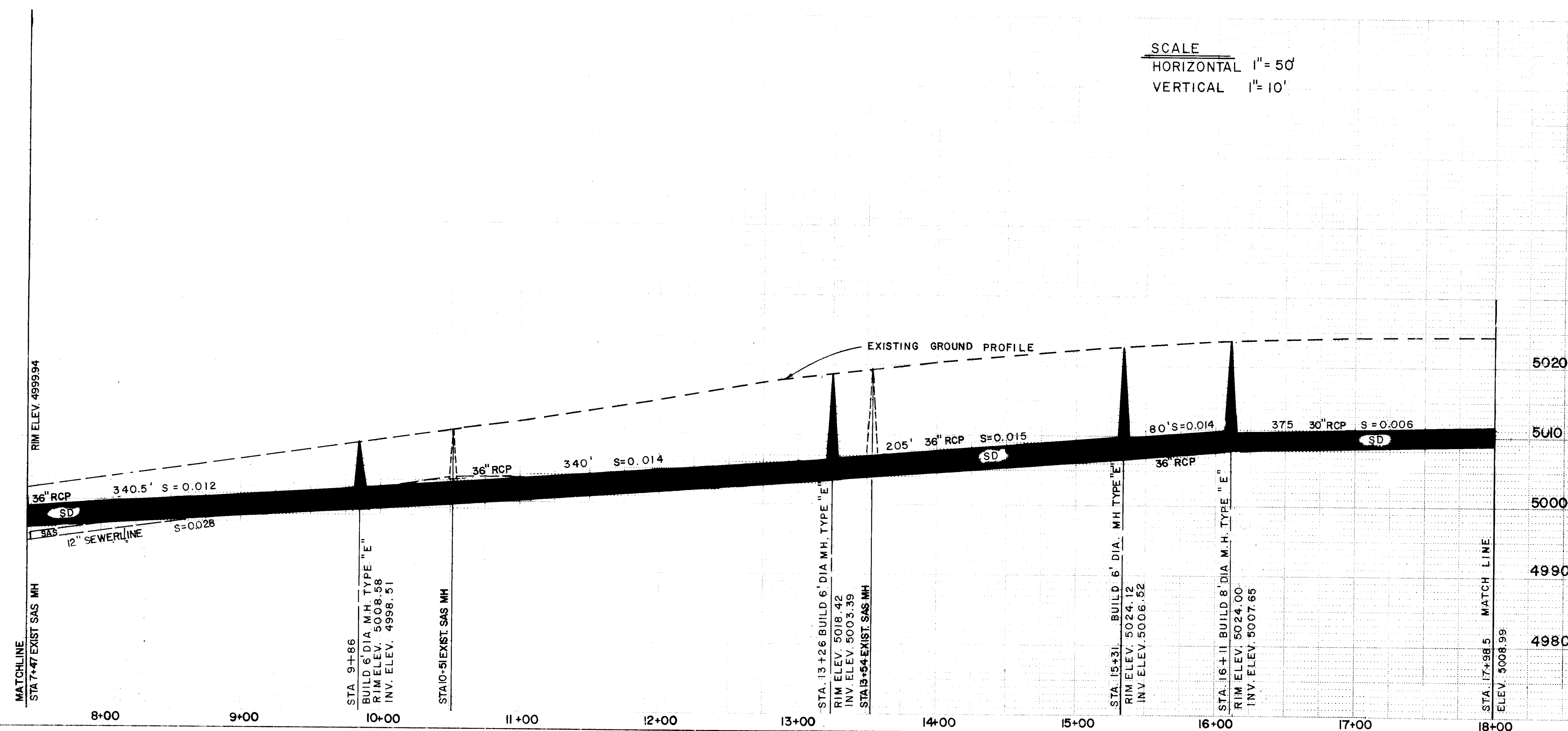
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION
TITLE: ODELIA PARK DAM TOPOGRAPHY

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	11/15/83	Liquid Waste	NA	
A.C.E.-Design	<i>[Signature]</i>	11/15/83	Traffic	<i>[Signature]</i>	11/15/83
A.C.E.-Hydrology	<i>[Signature]</i>	11/15/83	Water	NA	

DRAWING NO. 1169 MAP NO. H,J-15 SHEET 10 OF 17

BENCH MARKS		AS BUILT INFORMATION	
" STA 1-25-24" SET IN TOP OF A CONCRETE POST	CONTRACTOR BAKER SPARLING	WORK	DATE 7/84
FLUSH WITH THE GROUND AT THE SOUTHEAST CORNER OF THE INDIAN SCHOOL RD BRIDGE CROSSING	STAKE BY CITY OF ALBU.	FIELD	DATE 7/84
OF U.S. HWY 1-25.025 MILES EAST OF THE EAST END OF THE BRIDGE AND APPROXIMATELY 18 FT. SOUTH OF INDIAN SCHOOL RD.	ACCEPTANCE BY DAVENPORT	CORRECTED BY	DATE 7/84
		RECORDED BY	DATE
		NO	





SCALE
HORIZONTAL 1" = 50'
VERTICAL 1" = 10'

NOTES:

1. STORM DRAIN AND MANHOLES AT
CENTERLINE OF EASEMENT.
2. FOR DETAILS AND NOTES OF MANHOLES
SEE ODELLA PARK DAM SPECIFICATIONS,
STANDARD DETAILS DRAWINGS
S-2-3, S-5-2.
3. MANHOLES OVER 10' DEEP MUST HAVE
MANHOLE RUNGS PER STANDARD SPECS.
AT 16" O.C.
4. ANY PAVEMENT REMOVED SHOULD BE
REPLACED, TO MATCH EXISTING SECTION
AND GRADES.

26 1169 1283

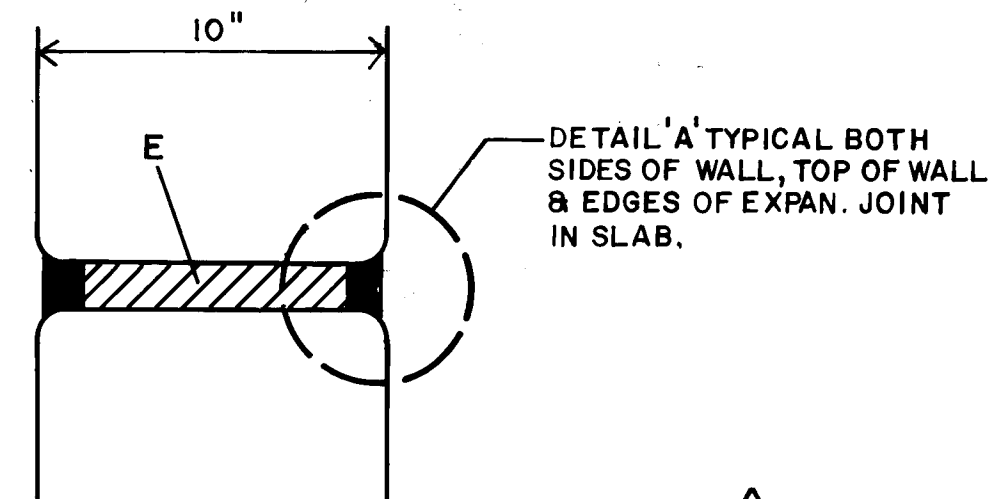
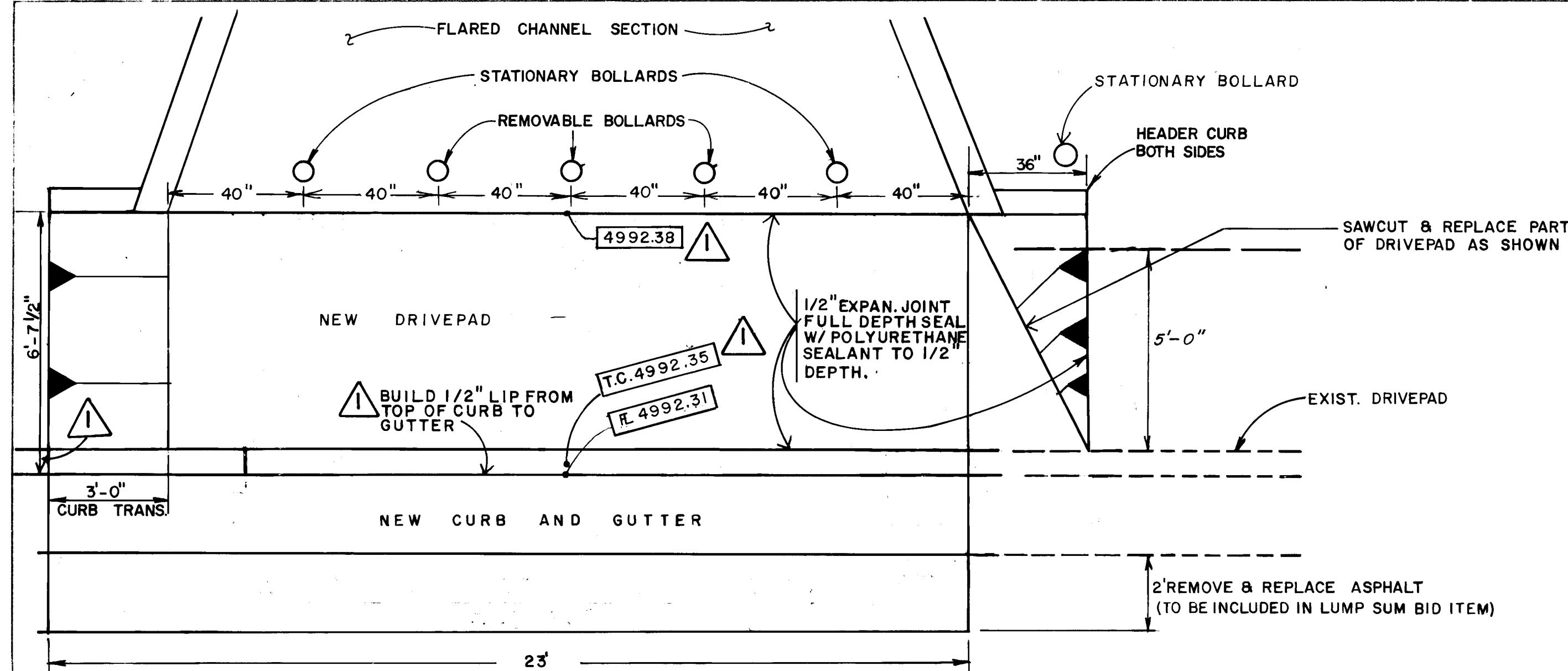
CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION
TITLE: ODELIA PARK DAM PLAN AND PROFILE STORM DRAIN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>C.D. Stephens</i>	11/10/83	Liquid Waste	NA	
A.C.E. Design	<i>g. kelley</i>	16 NOV 83	Traffic	<i>Tom Kennedy</i>	11/21/83
A.C.E. Hydrology	<i>Jim Zuck</i>	11/15/83	Water	NA	
<i>C.D.</i>	<i>11/10/83</i>	<i>11.10.83</i>			

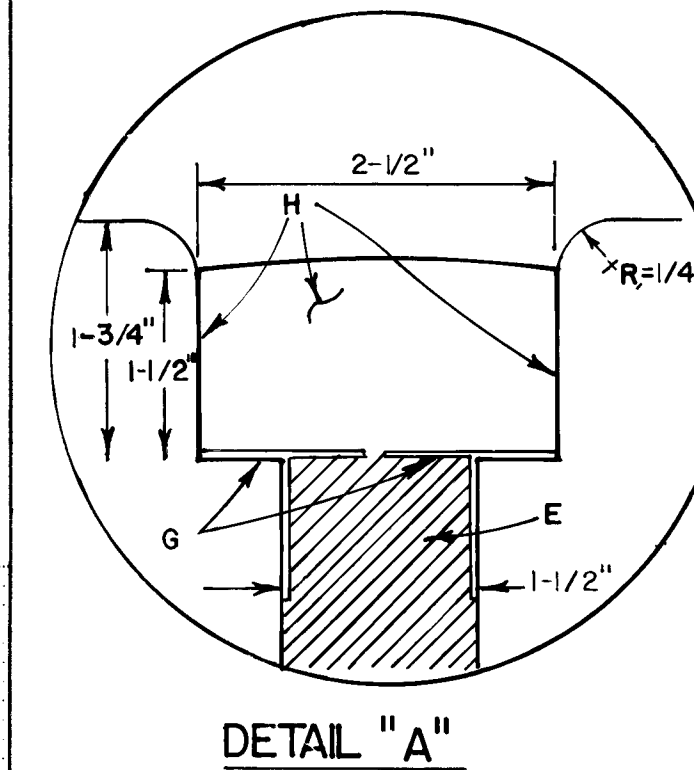
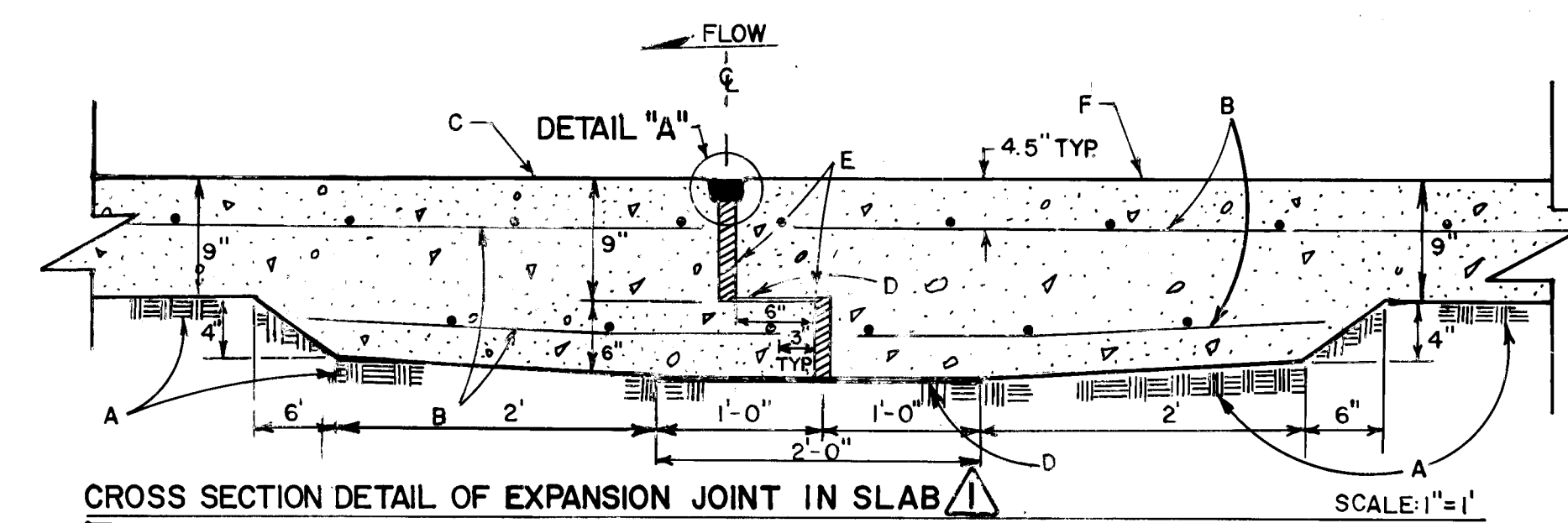
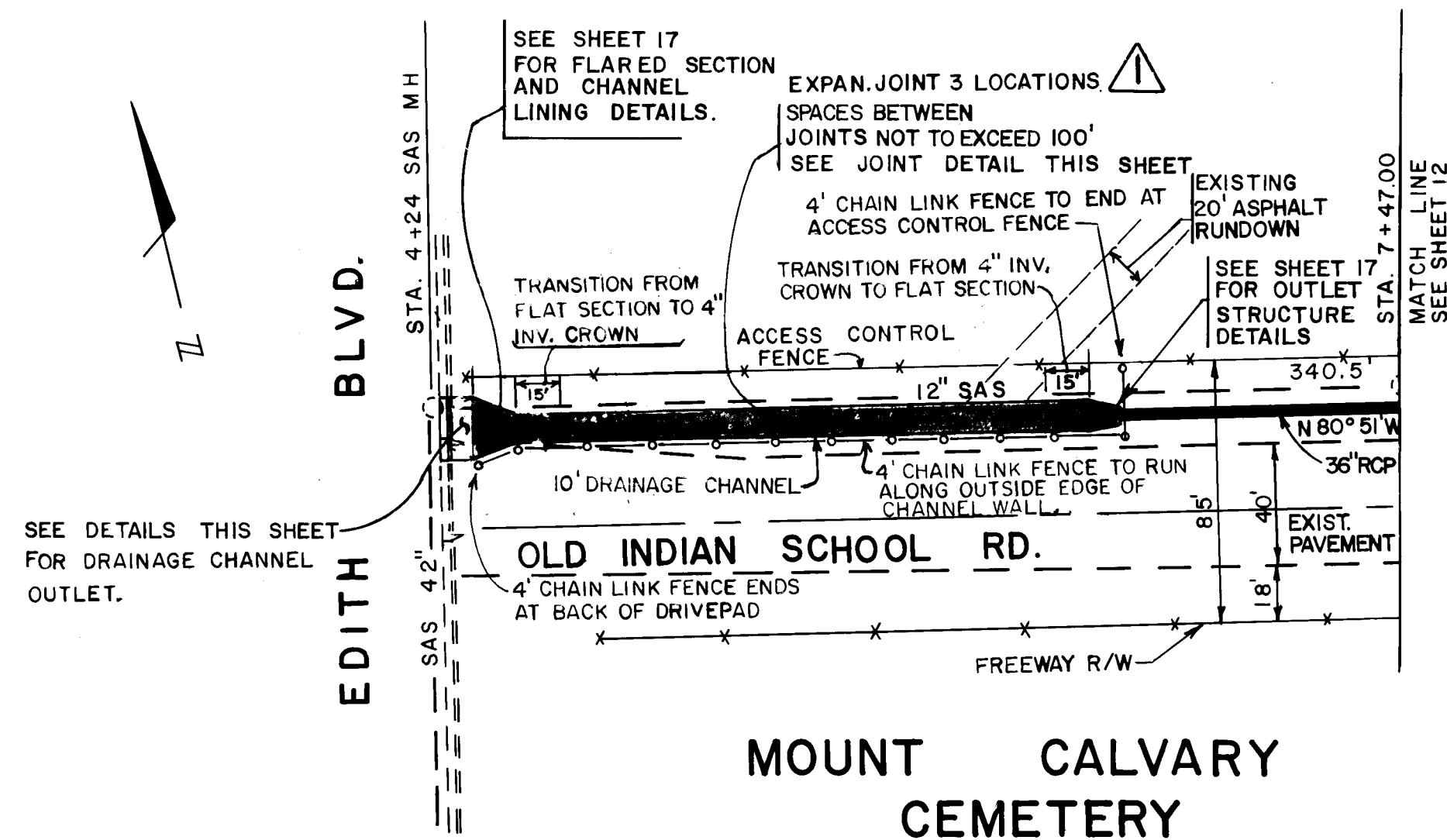
DRAWING NO.	1169	MAP NO.	H, J-15	SHEET	12	OF	17
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SURVEY INFORMATION		BENCH MARKS	AS BUILT INFORMATION
NO	FIELD NOTES BY DATE		
	'STA 1-25+24,"SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND AT THE SOUTHEAST CORNER OF THE INDIAN SCHOOL RD. BRIDGE CROSSING OF US HWY 1-25, 0.25 MILES EAST OF THE EAST END OF THE BRIDGE AND APPROXIMATELY 18 FT. SOUTH OF INDIAN SCHOOL RD. ELEV. 5070 ± 232		"T.A.G." - BAKER SPARLING "J.B.L." - CITY OF ALBU. "A1" 7/84 INSPECTION BY DAVENPORT "GAL" 7/84 ESTABLISHED BY CORRECTED BY RMS DATE 7/84 MICRO-FILM INFORMATION ACQUIRED BY DATE
			NC

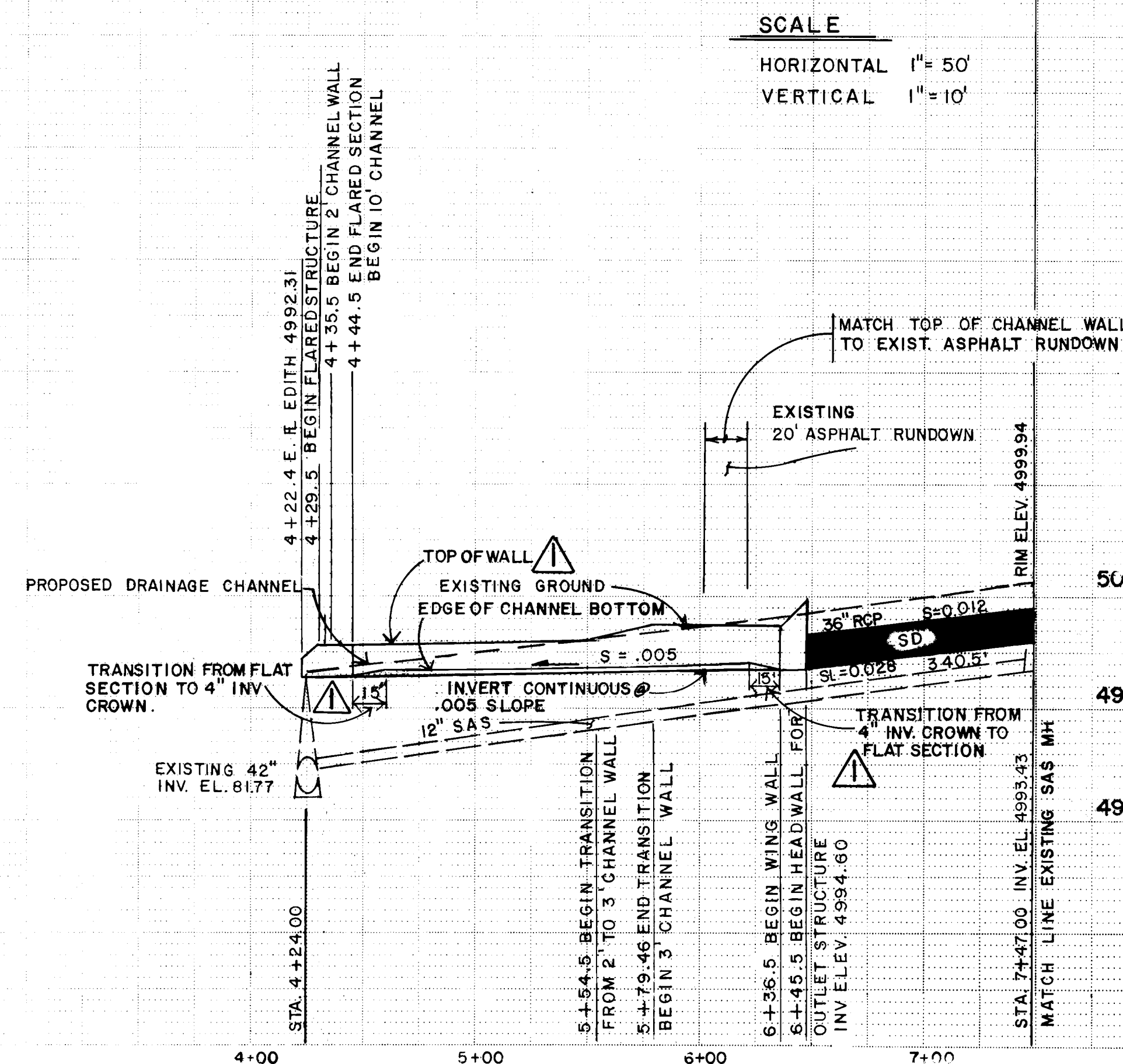
NO		DATE	REMARKS	BY
DESIGN				
DESIGNED BY		STEVE BOBERG		DATE
DRAWN BY		MARTIN BROWN, A-JO./AUS		DATE
				JUNE, 1983



SECTION OF EXPAN. JOINT IN CHANNEL WALL



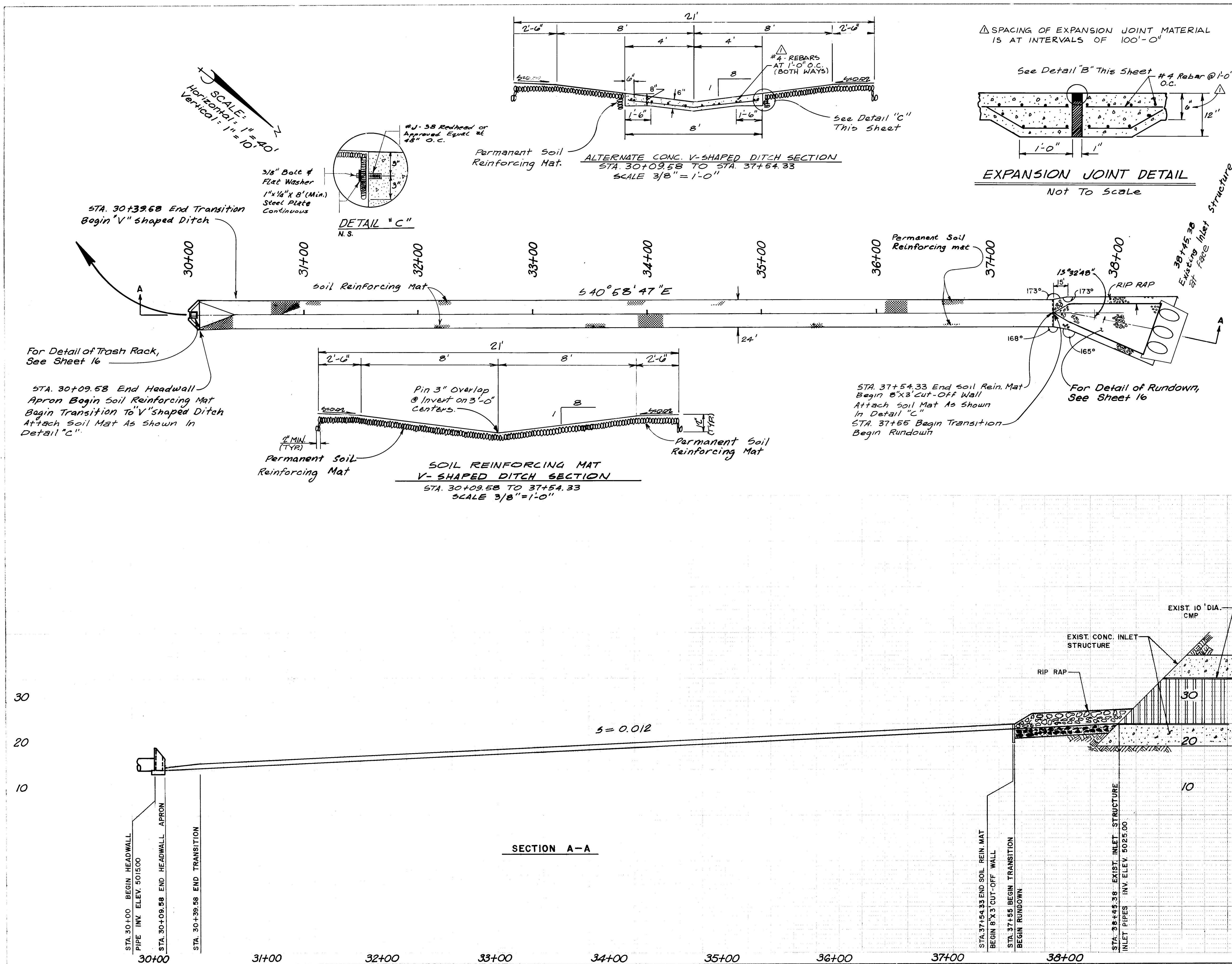
DETAIL "A"



CONSTRUCTION NOTES:

- A. RE-COMPACT SUB-GRADE TO MIN. 90% PER ASTM D 1557. SHAPE TO DIMENSIONS SHOWN.
- B. THE STEEL AS SHOWN: #4 GRADE 60 AT 12" PARALLEL TO CHANNEL CL AND #4 GRADE 60 AT 12" MAX. SPACE TRANSVERSE TO CHANNEL. SUPPORT BOTTOM MAT WITH REINFORCED CONCRETE CHAIRS. STEEL SHALL BE FREE OF RUST SCALE.
- C. FORM, POUR DOWNSTREAM CONCRETE SECTION  AS SHOWN WITH 3000 PSI FLY ASH CONCRETE WITH ALUMINUM FLOAT AND DRY BROOM FINISH. STEEL TROWEL BEARING PLATE SURFACE, ONLY, PARALLEL TO THE CONCRETE SURFACE.
- D. PLACE 1/4"x2" UHMW OR HIGH DENSITY POLYETHYLENE BEARING PLATE AS SHOWN BETWEEN THE TWO FILLER SECTIONS.
- E. PLACE FOAM UPSTREAM FILLERS AS SHOWN, PLASTAZOTE OR EQUAL, DO NOT ANCHOR WITH NAILS. KEEP FILLER FLAT AGAINST POURED CONCRETE SECTION WITH FRESH CONCRETE WHEN POURING UPSTREAM SECTION.
- F. POUR UPSTREAM SECTION AS PER SKETCH AND NOTE "B".
- G. PLACE POLYETHYLENE BOND BREAKER UNDER SEAL.
- H. APPLY 2 COMPONENT EPOXY BONDER TO BOTH SIDES(EVA-POX BONDER OR EQUAL)AND IMMEDIATELY INSTALL ETHYLENE VINYL ACETATE FOAM SEALANT, EVA-SEAL OR EQUAL AS SHOWN, DIMENSION OF SEALANT BEFORE INSTALLATION SHALL BE 3" WIDE AND 1-1/2" DEEP.

DATE	ADDENDUM No. 1, DETAIL CLARIFICATIONS AS NOTED.	R.M.S.	ENGINEER'S SEAL	SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION		
				FIELD NOTES	NO.	BY	DATE	" STA 1+25-24" SET IN TOP OF A CONCRETE POST FLUSH WITH GROUND, AT THE SOUTHEAST CORNER OF INDIAN SCHOOL RD. BRIDGE CROSSING OF U.S. HWY. 1-25, 0.25 MILES EAST OF THE EAST OF THE BRIDGE AND APPROX. 1.8 FT SOUTH OF INDIAN SCHOOL RD.	ELEV. 5070.232'	DATE
NO. DATE	REMARKS	BY							DATE	BY
REVIEWS										
DESIGN										
DESIGNED BY	S. BOBERG	DATE	3 - 3 - 83							
CHECKED BY	M. BROWN & A.J.O. /AUS.	DATE	3-18-83							
DRAWN BY	S. BOBERG	DATE	JUNE 1983							



CONSTRUCTION NOTES

A. Install Closed Cell Polyethylene Filler Sheet, Plastazote or Equal, or Foam Polyethylene Backer Rod, HBR or Equal, Without Banding.

B. Apply Two Component Epoxy Bondar, Eva-Pox Bondar or Equal And Ethylene Vinyl Acetate Sealant, Eva-Seal or Equal, 3/4" Thick And 1/4" Wider Than The Formed Joint.

ALTERNATE NO. 1
Concrete V-SHAPED DITCH

1. Alternate 1 is to construct an 8' concrete channel along centerline of the V-ditch. This will reduce the required quantity of permanent soil reinforcement mat.

DETAIL "B"
No Scale

EXPANSION JOINT DETAIL
Not To Scale

DETAIL "C"
N.S.

AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL			REVISIONS		
DATE	BY	NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY	NO.

APPROVALS

City Engineer: *[Signature]* DATE: 11/15/83

A.C.E. Design: *[Signature]* DATE: 11/15/83

A.C.E. Hydrology: *[Signature]* DATE: 11/15/83

APPROVALS

Engineer: *[Signature]* DATE: 11/15/83

City Engineer: *[Signature]* DATE: 11/15/83

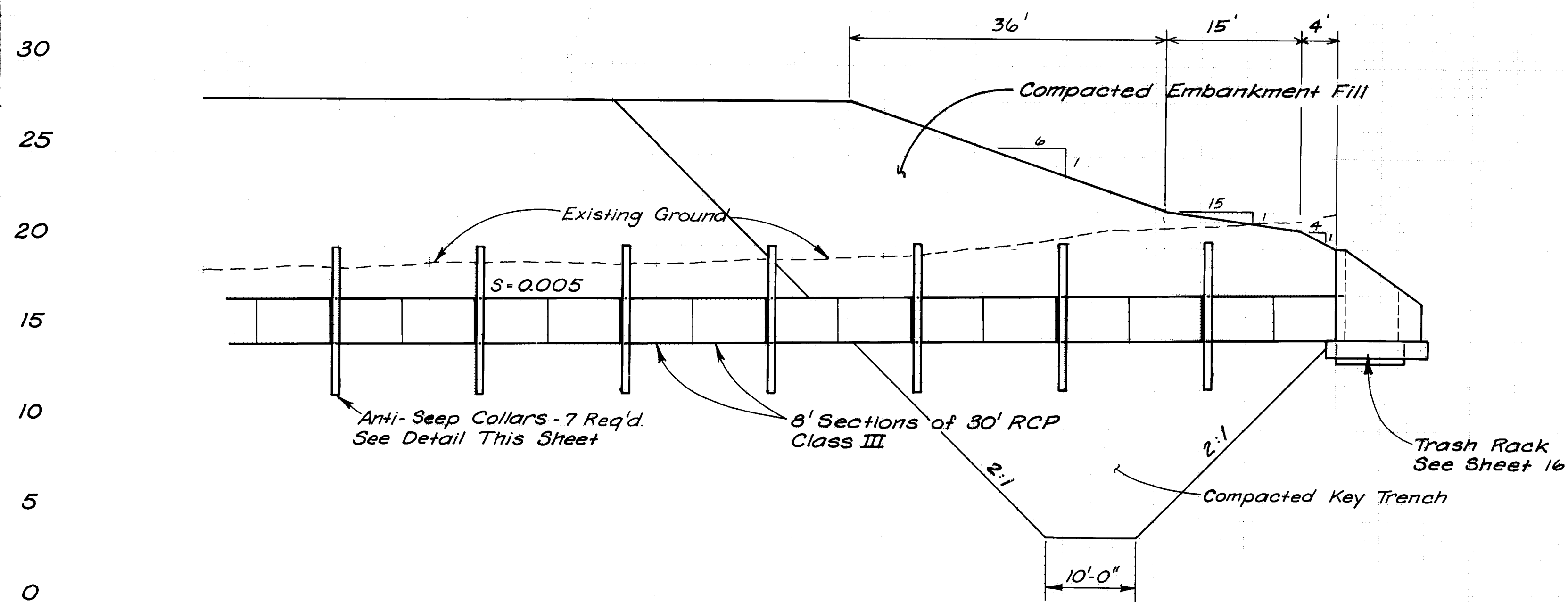
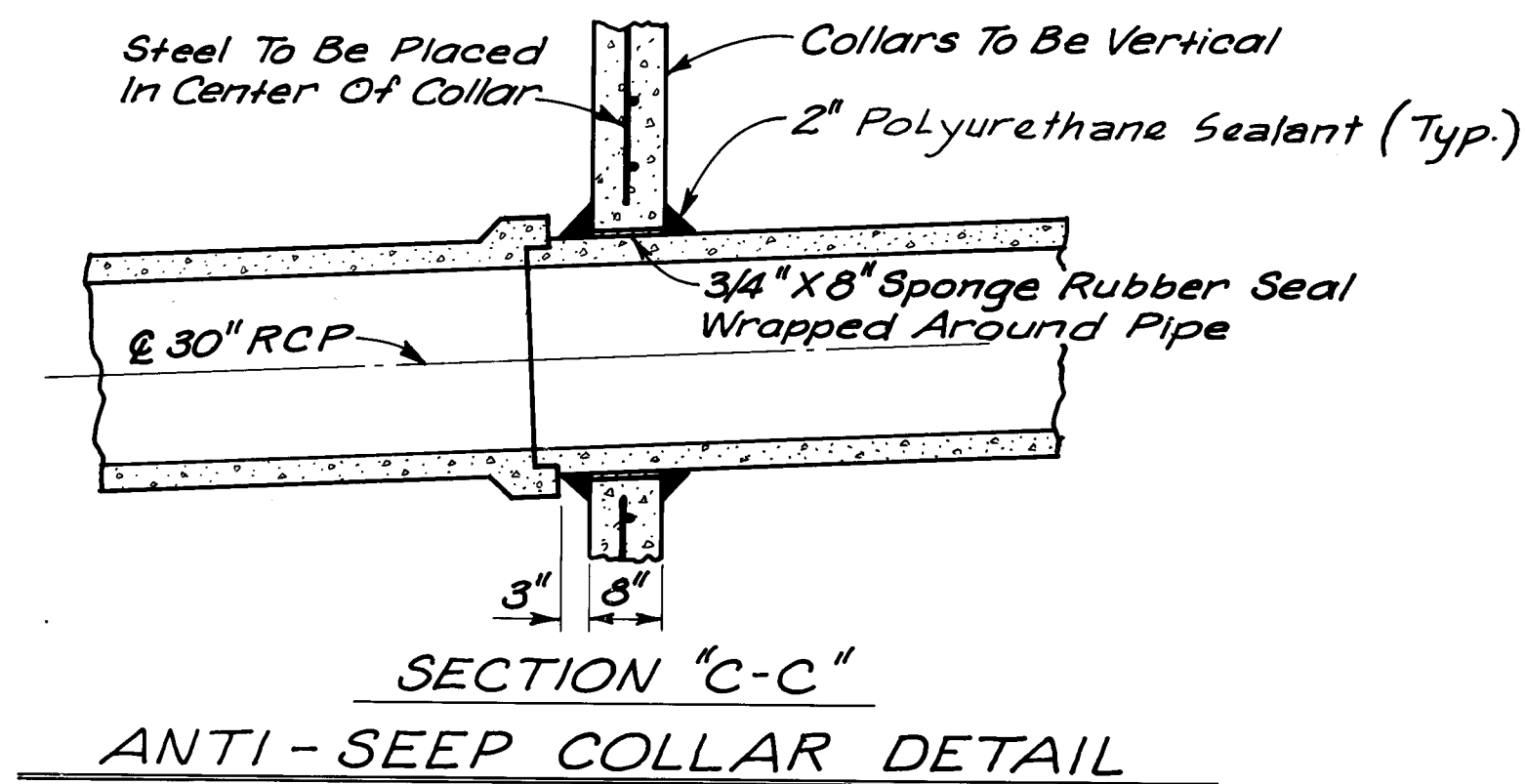
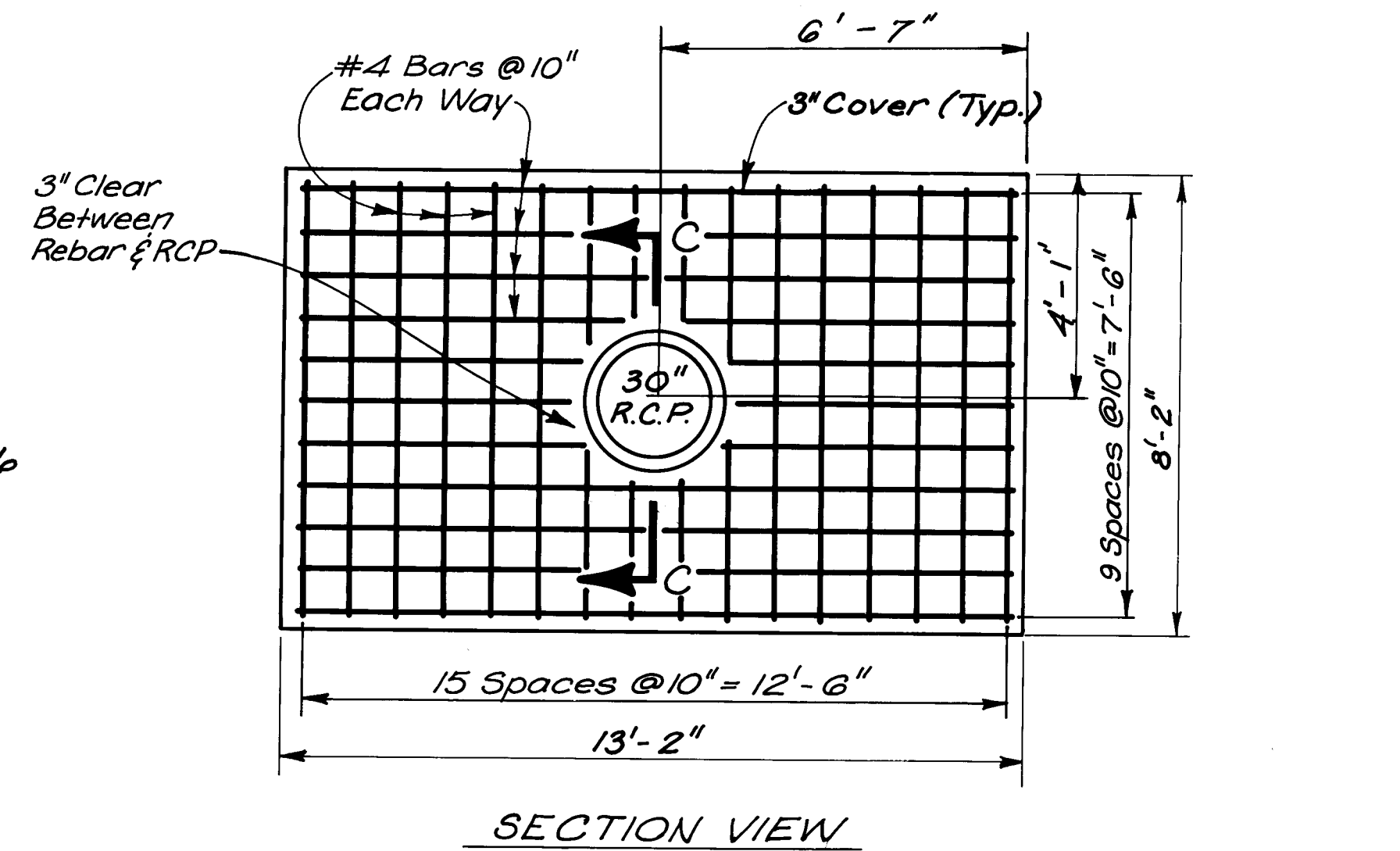
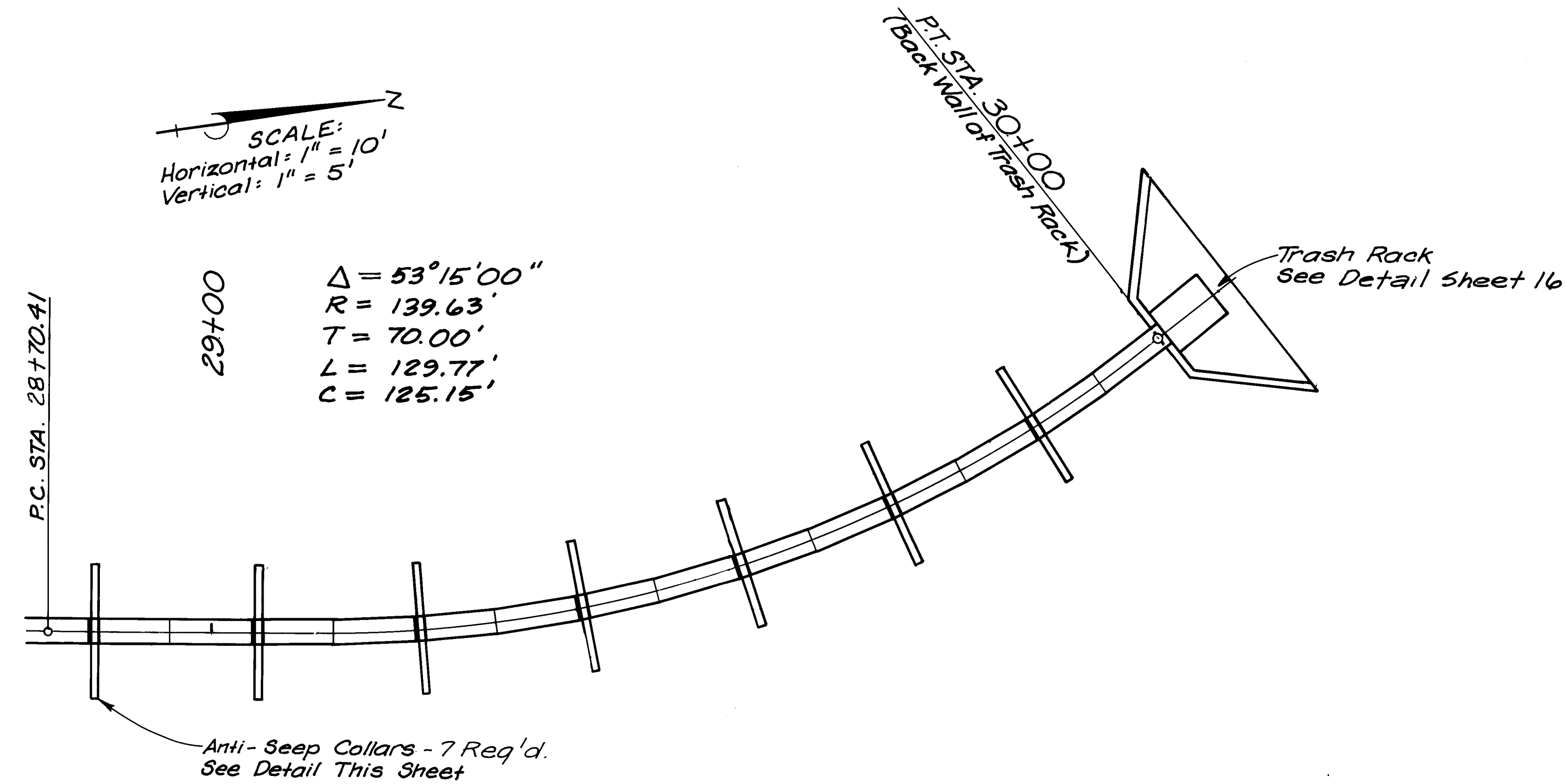
A.C.E. Design: *[Signature]* DATE: 11/15/83

A.C.E. Hydrology: *[Signature]* DATE: 11/15/83

DRAWING NO. 1169

MAP NO. HJ-15

SHEET 14 OF 17



29+00

30+00

NOTES

1. POLYURETHANE SEALANT SHALL BE TWO COMPONENT, NON-SAG TYPE AS SPECIFIED IN SECTION 103.03 OF TECHNICAL SPECS.

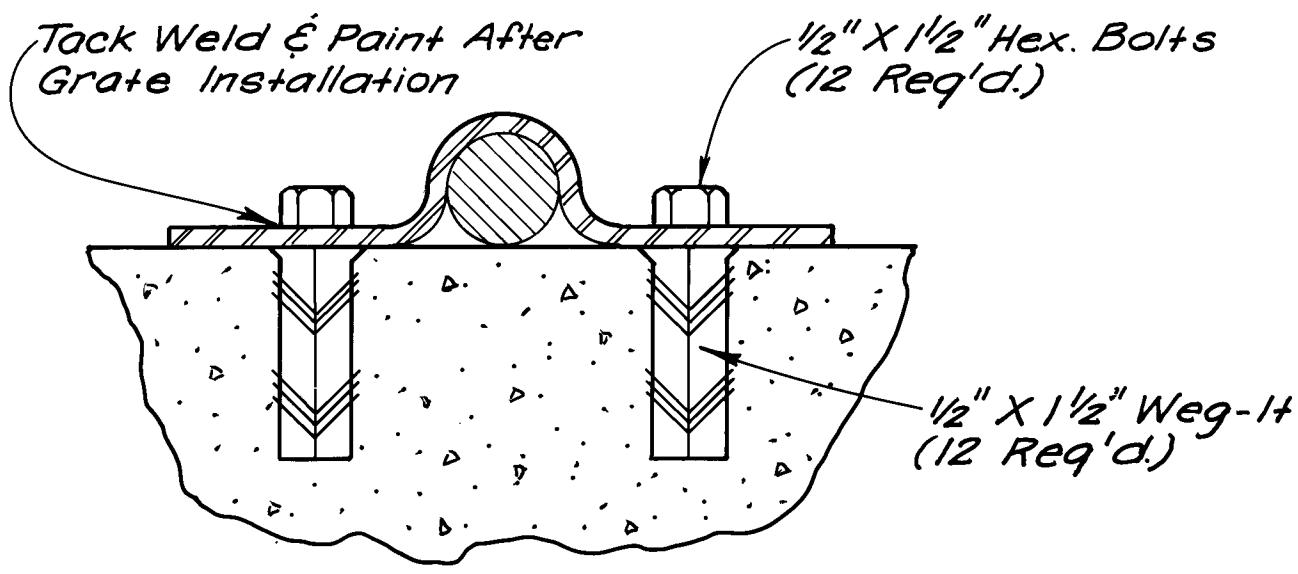
SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	BY	DATE	STA. 1-25-24" SET IN TOP OF A CONCRETE POST FLUSH WITH THE GROUND AT THE SOUTHEAST CORNER OF THE INDIAN SCHOOL RD. BRIDGE CROSSING OF U.S. HIGHWAY 1-25 0.25 MILES EAST OF THE EAST END OF THE BRIDGE AND APPROXIMATELY 1.8 FT. SOUTH OF INDIAN SCHOOL RD. ELEV. 5070.232	DATE	BY
REVISIONS		NO.	DATE	REVISIONS	BY
DESIGN		1	JUNE 1983	DESIGN	STEVE BOBERG
CHECKED		2	JUNE 1983	CHECKED	J. BRANTLEY/AUS
APPROVED		3	JUNE 1983	APPROVED	STEVE BOBERG

26 1169 1583

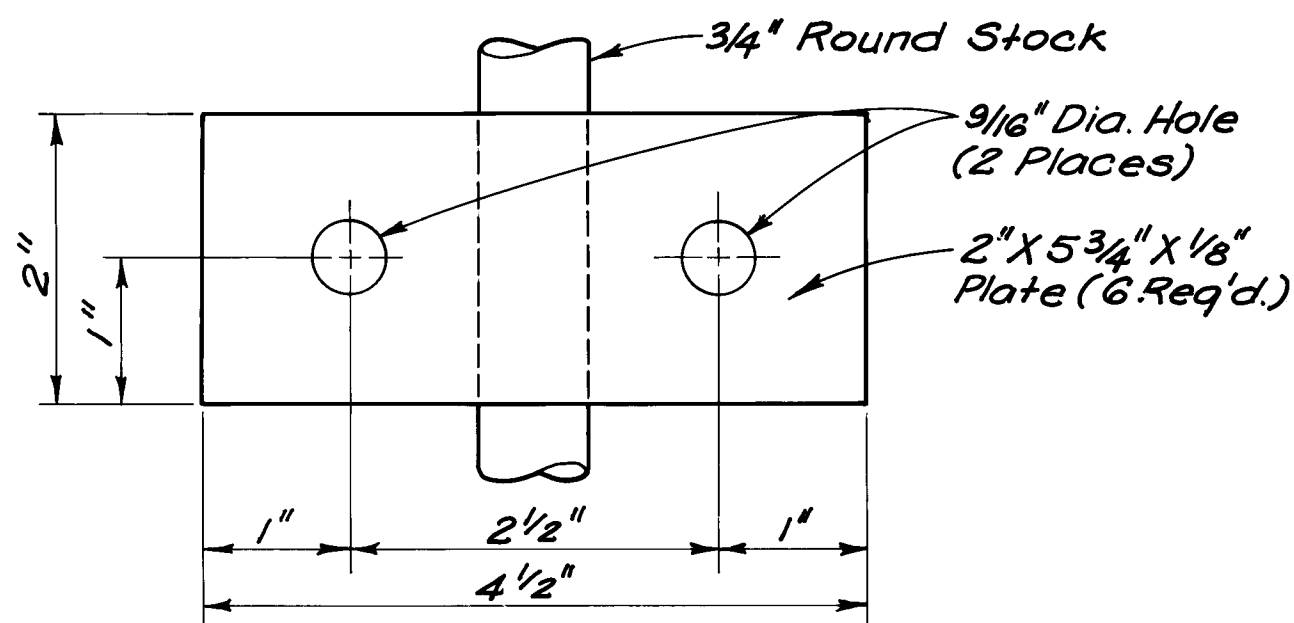
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: ODELIA PARK DAM PRINCIPAL SPILLWAY
AND TYPICAL DAM SECTION.

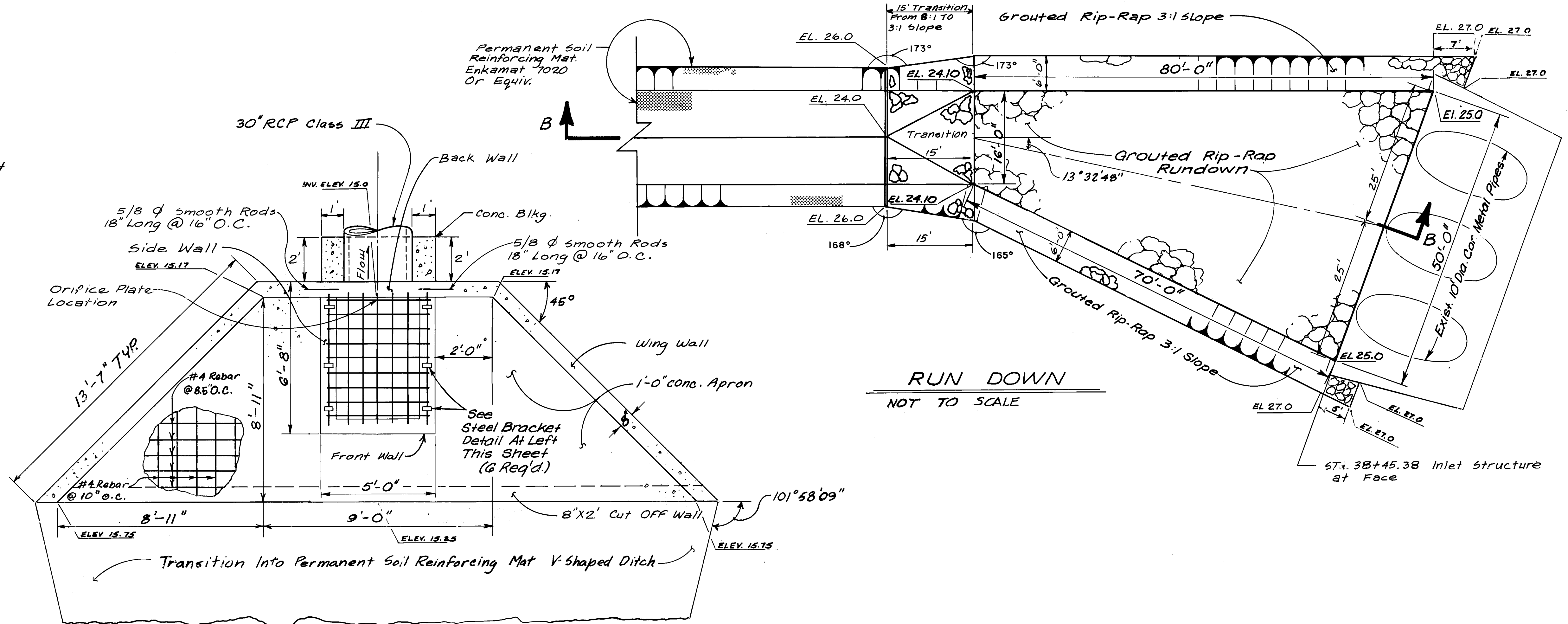
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	11/15/83	Liquid Waste	NA	
A.C.E. - Design	<i>[Signature]</i>	11/15/83	Traffic	NA	
A.C.E. - Hydrology	<i>[Signature]</i>	11/15/83	Water	NA	
DRAWING NO.	1169	MAP NO.	H,J-15	SHEET	15 OF 17



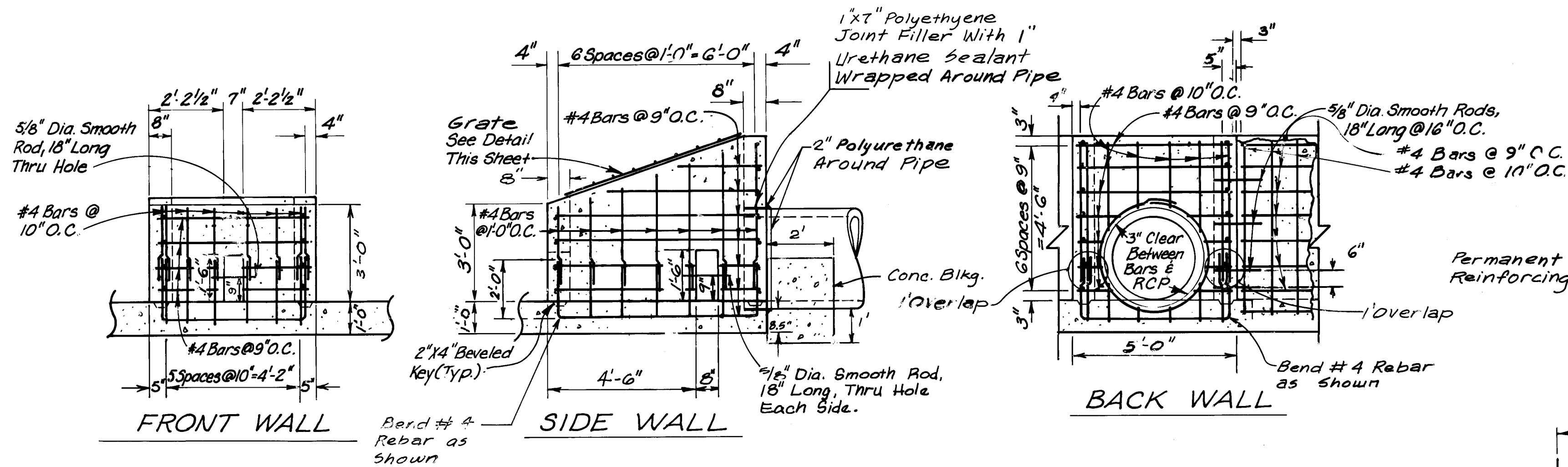
BRACKET SECTION



STEEL BRACKET DETAIL



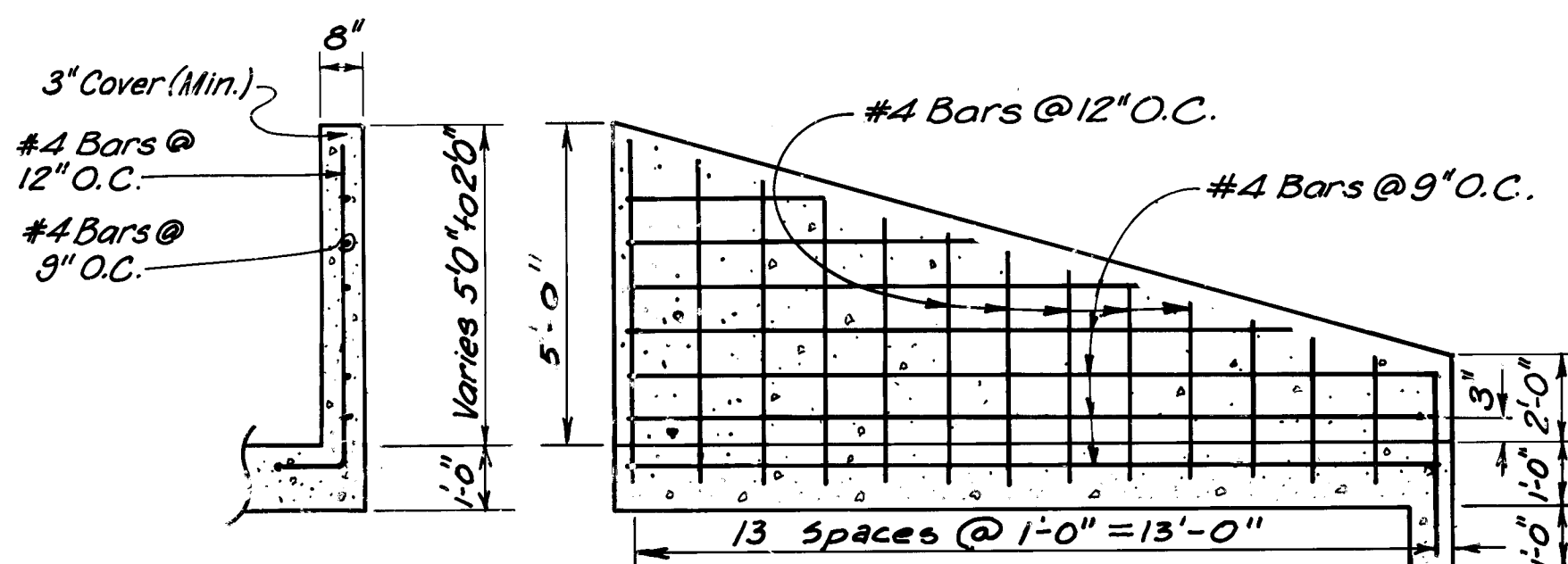
TRASH RACK DETAIL



FRONT WALL

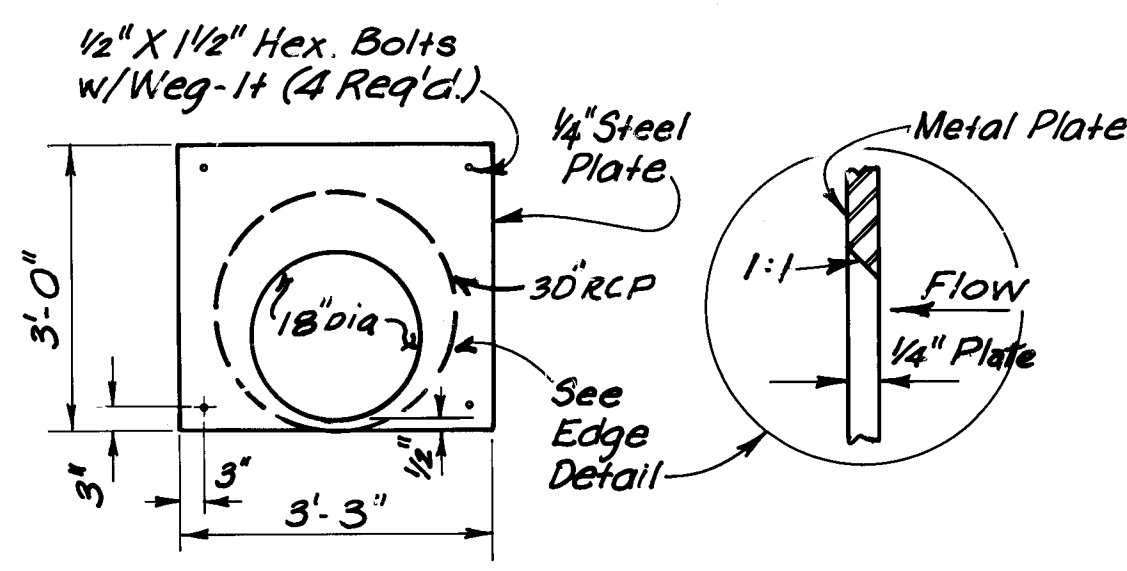
SIDE WALL

BACK WALL

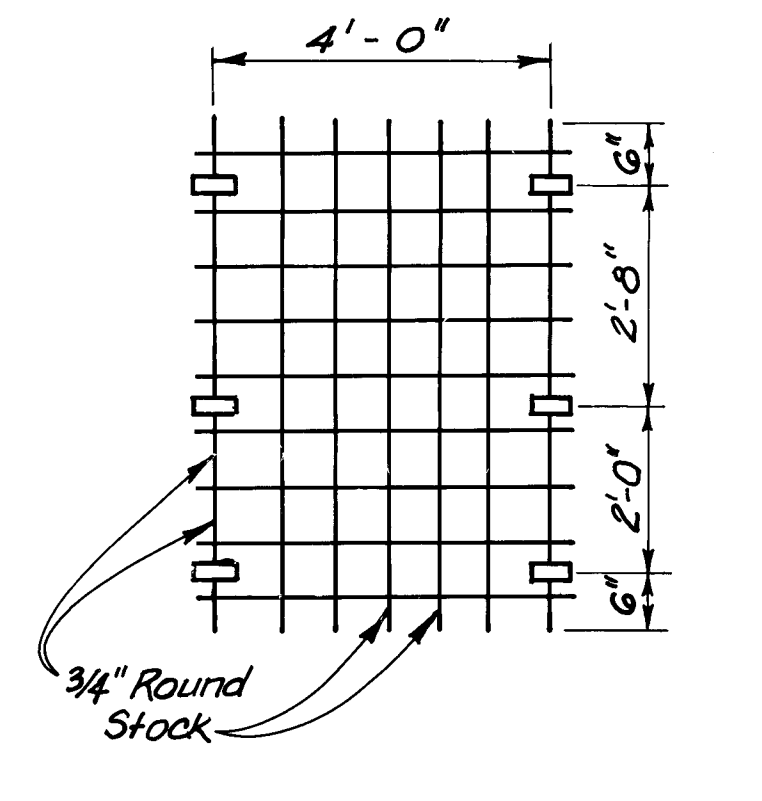


WINGWALL SECTION

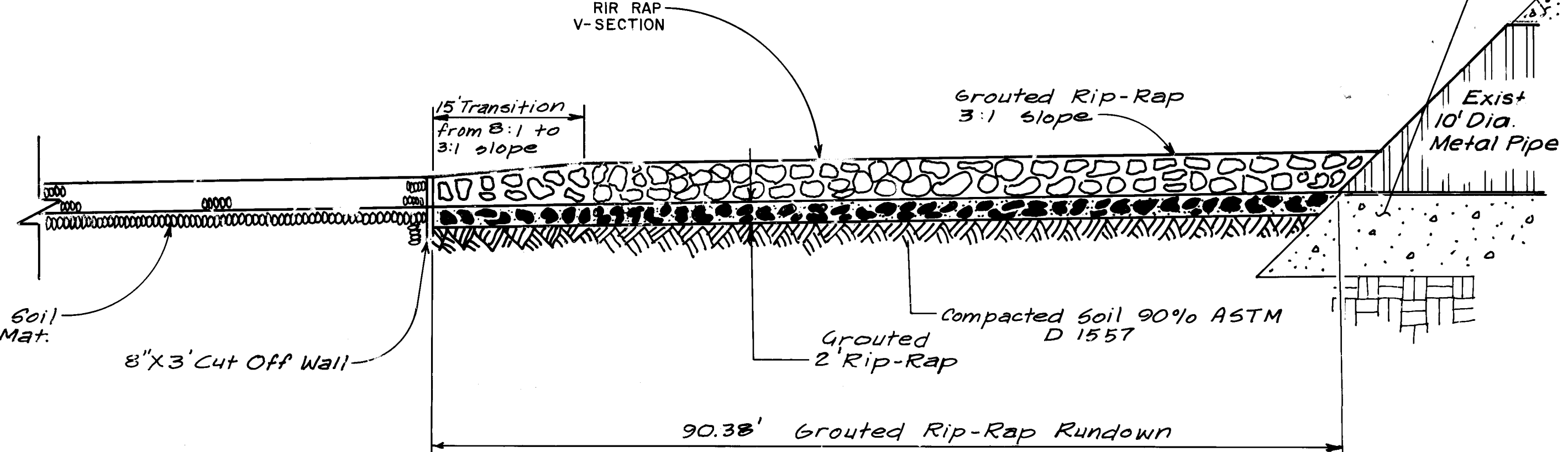
WINGWALL DETAIL



ORIFICE PLATE DETAIL



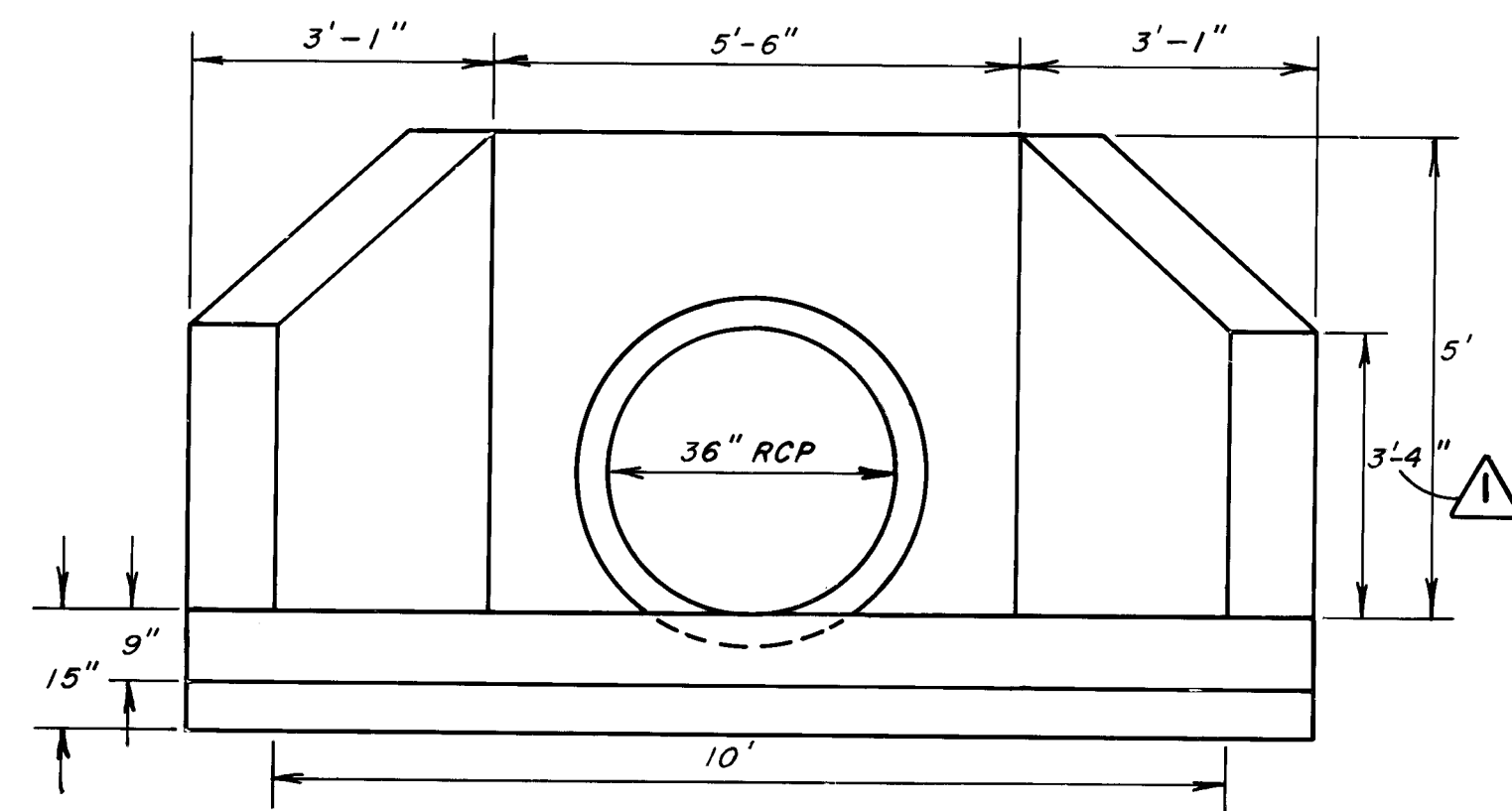
GRATE DETAIL



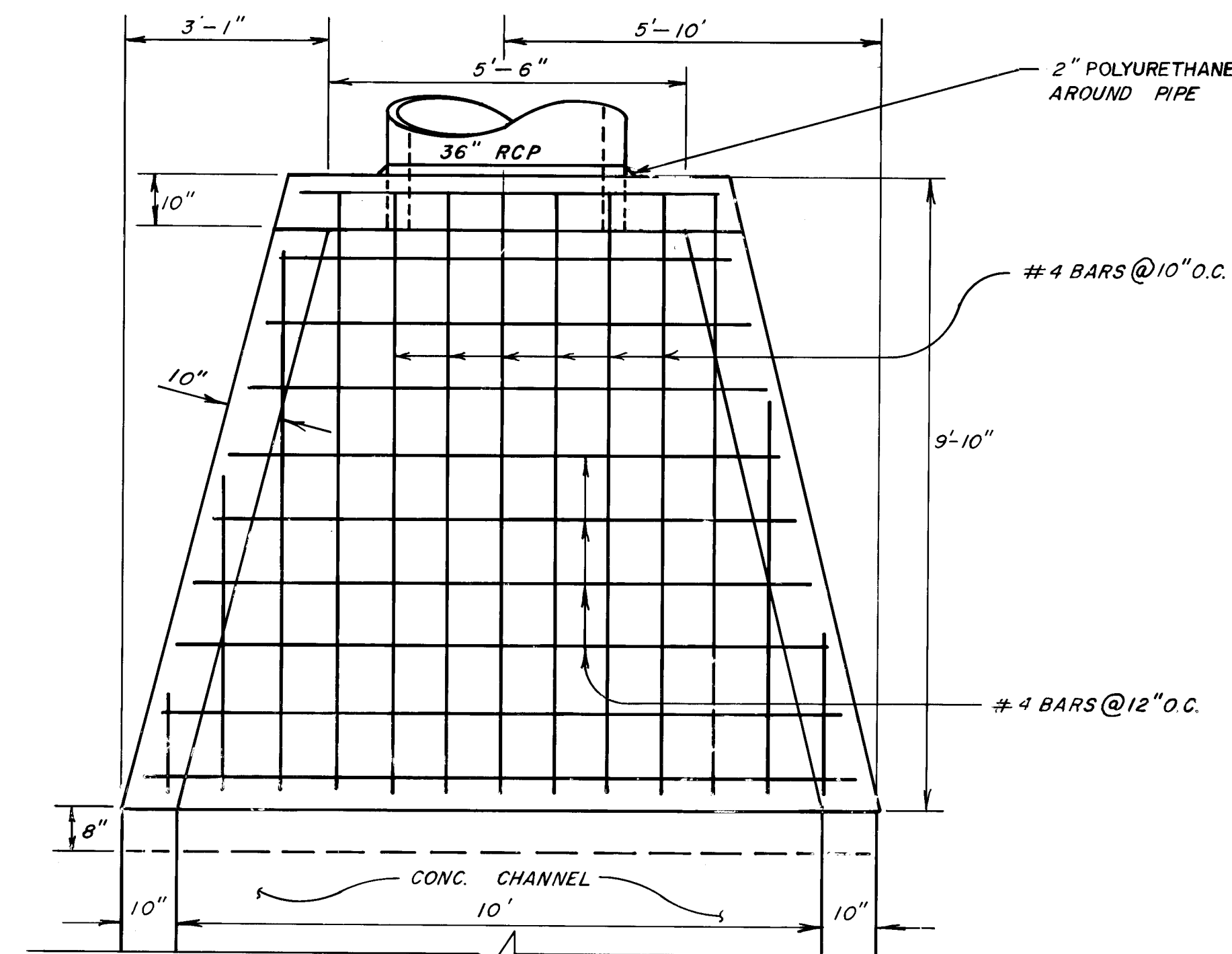
SECTION "B-B"
NOT TO SCALE

26 1169 1683

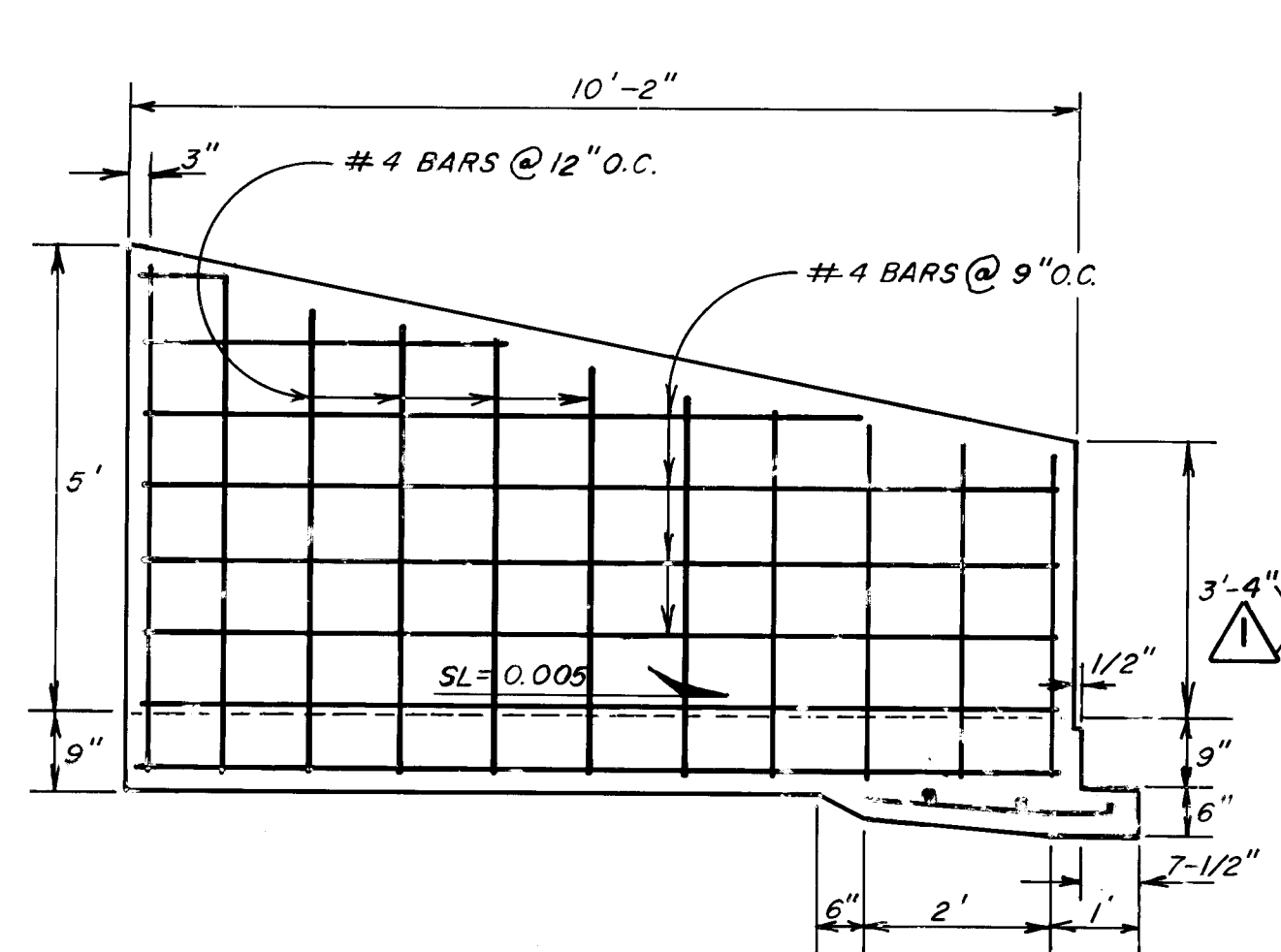
CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: ODEIA PARK DAM TRASH RACK AND RUN DOWN DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	11/15/83	Liquid Waste	N/A	
A.C.E. - Design	<i>[Signature]</i>	11/15/83	Traffic	N/A	
A.C.E. - Hydrology	<i>[Signature]</i>	11/15/83	Water	N/A	
QA	<i>[Signature]</i>	11-30-83			
DRAWING NO.	1169	MAP NO.	H,J-15	SHEET	16 OF 17



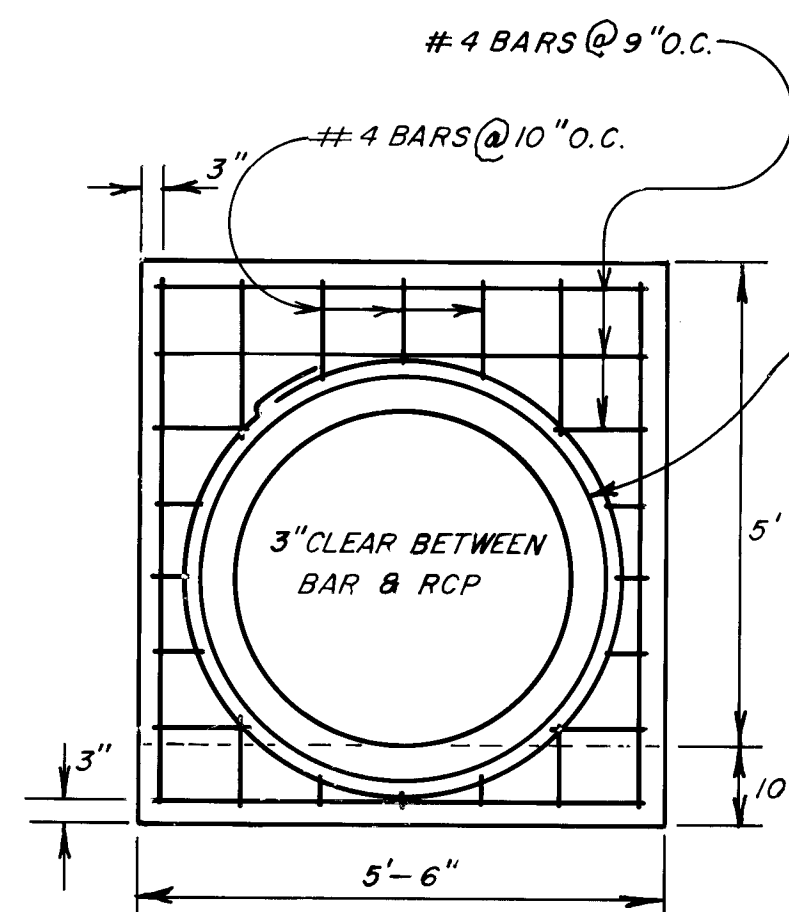
OUTLET STRUCTURE
1/2" = 1'-0"



TOP VIEW
1/2" = 1'-0"

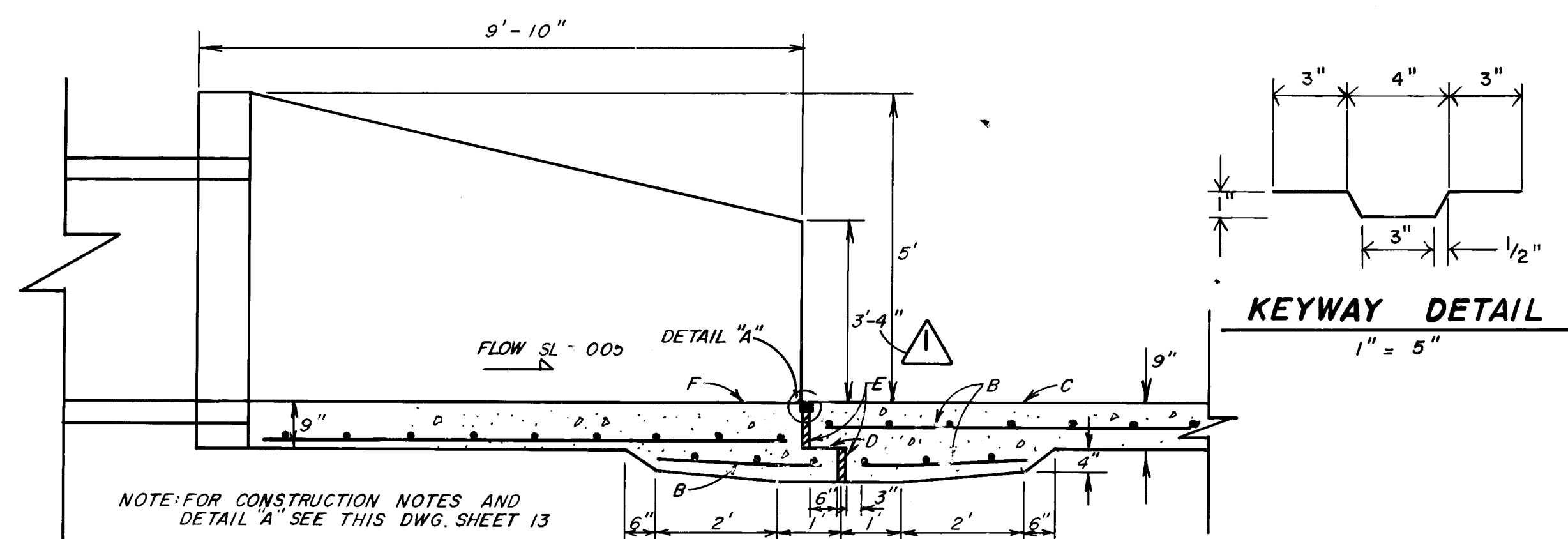


WING WALL DETAIL
1/2" = 1'-0"

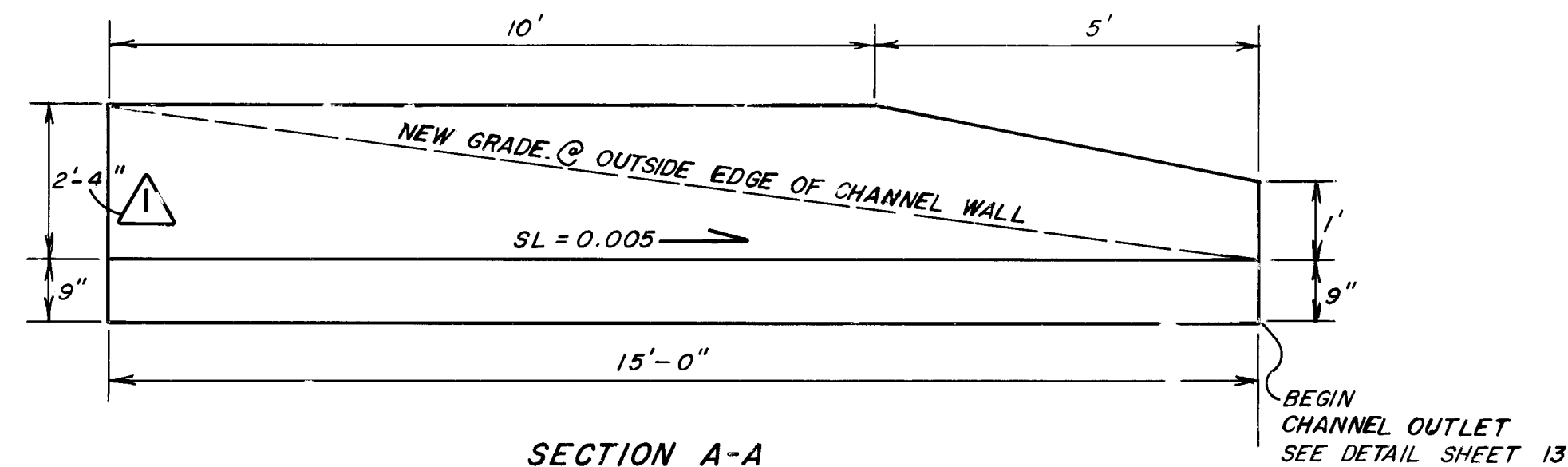


BACK WALL DETAIL
1/2" = 1'-0"

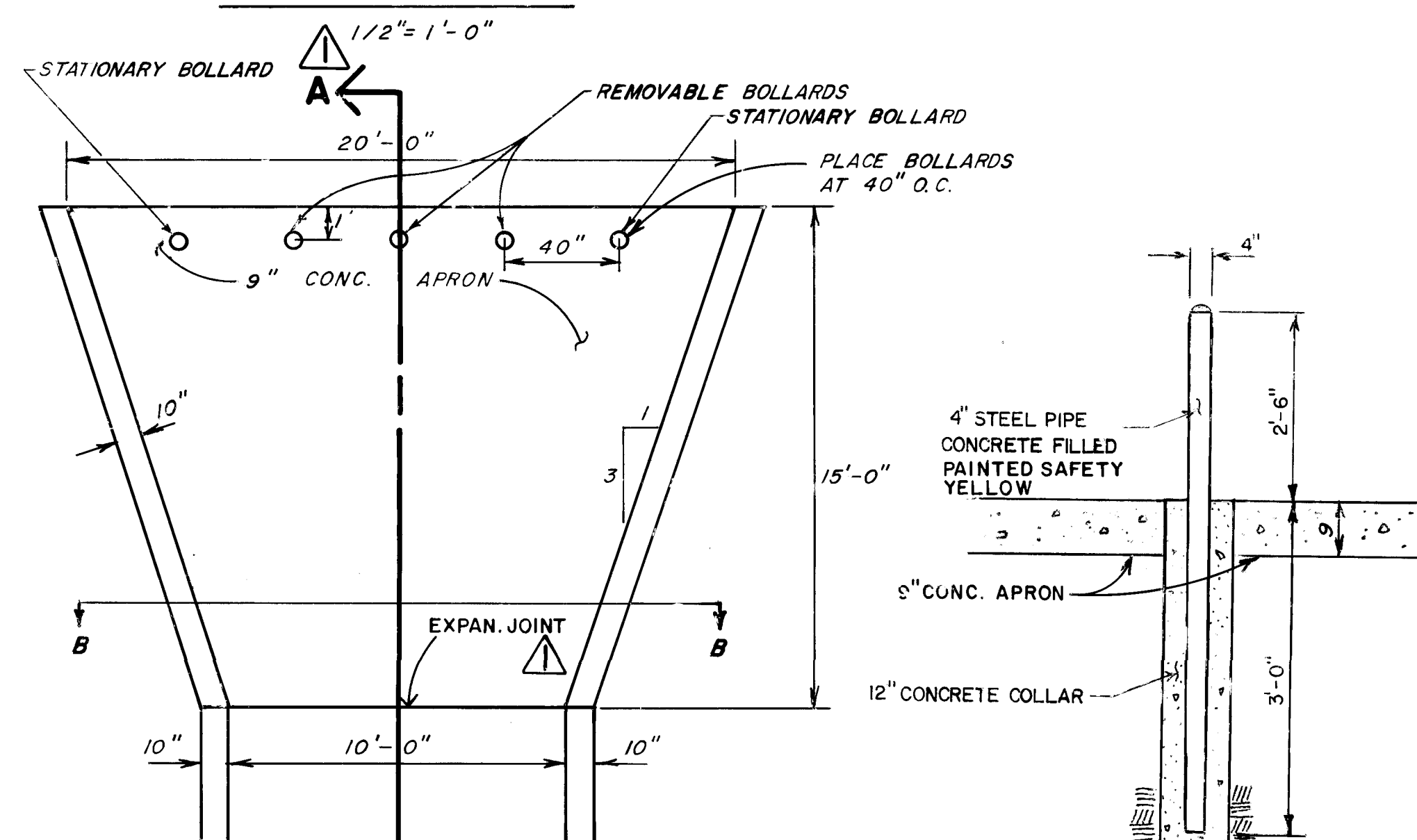
1"X9" POLYETHYLENE JOINT
FILLER WITH 1" URETHANE
SEALANT WRAPPED AROUND
PIPE



EXPANSION JOINT DETAIL
AT OUTLET STRUCTURE & CHANNEL LINING
1/2" = 1'-0"

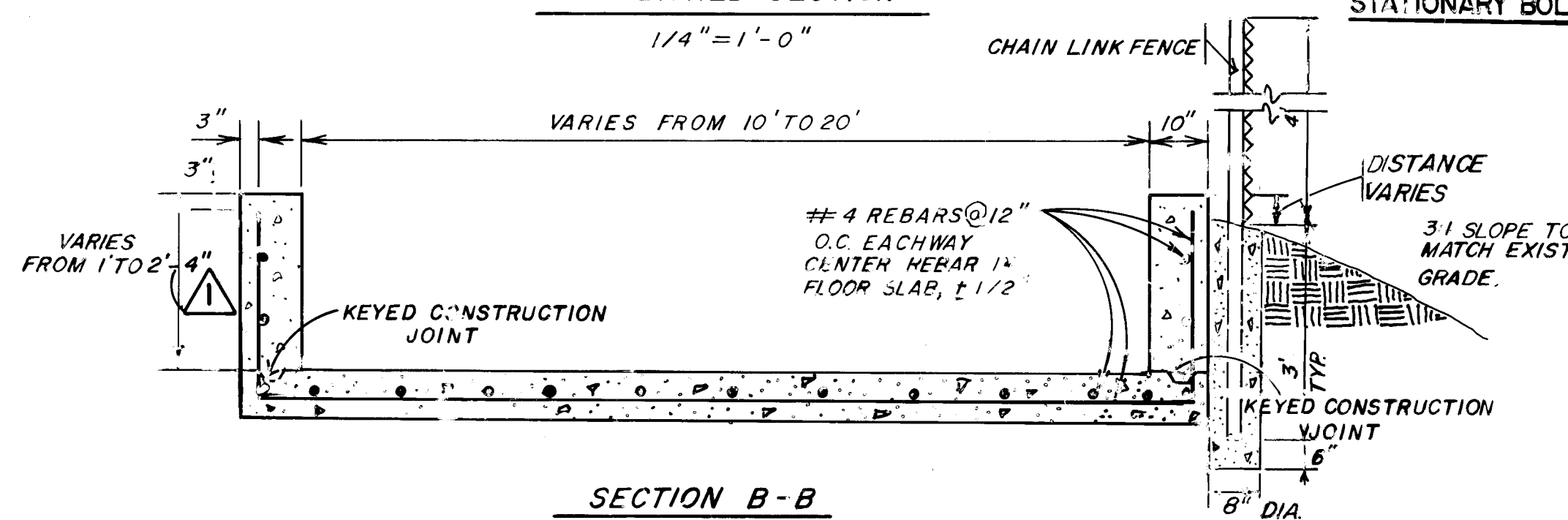


SECTION A-A
1/2" = 1'-0"

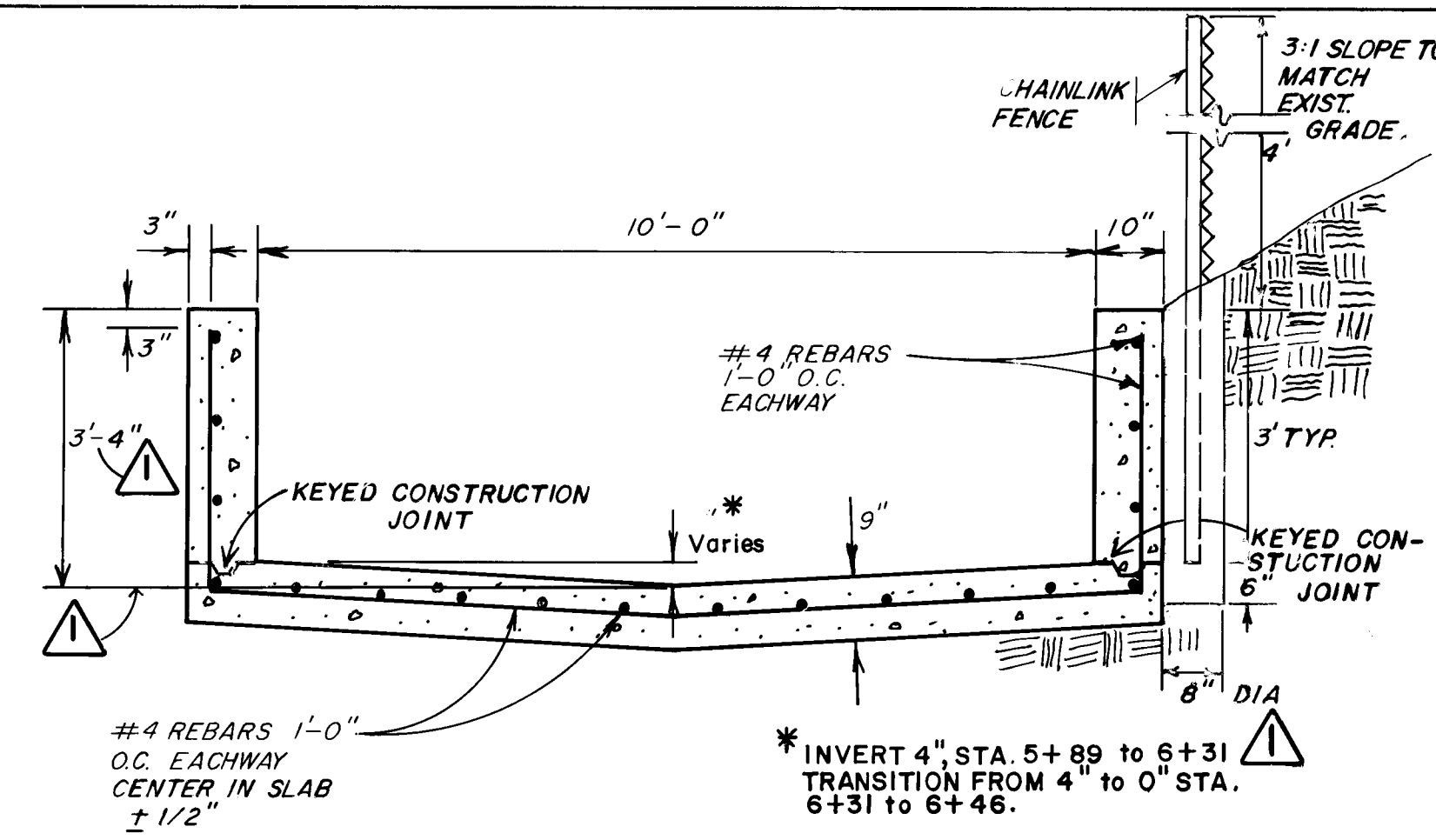


FLARED SECTION
1/4" = 1'-0"

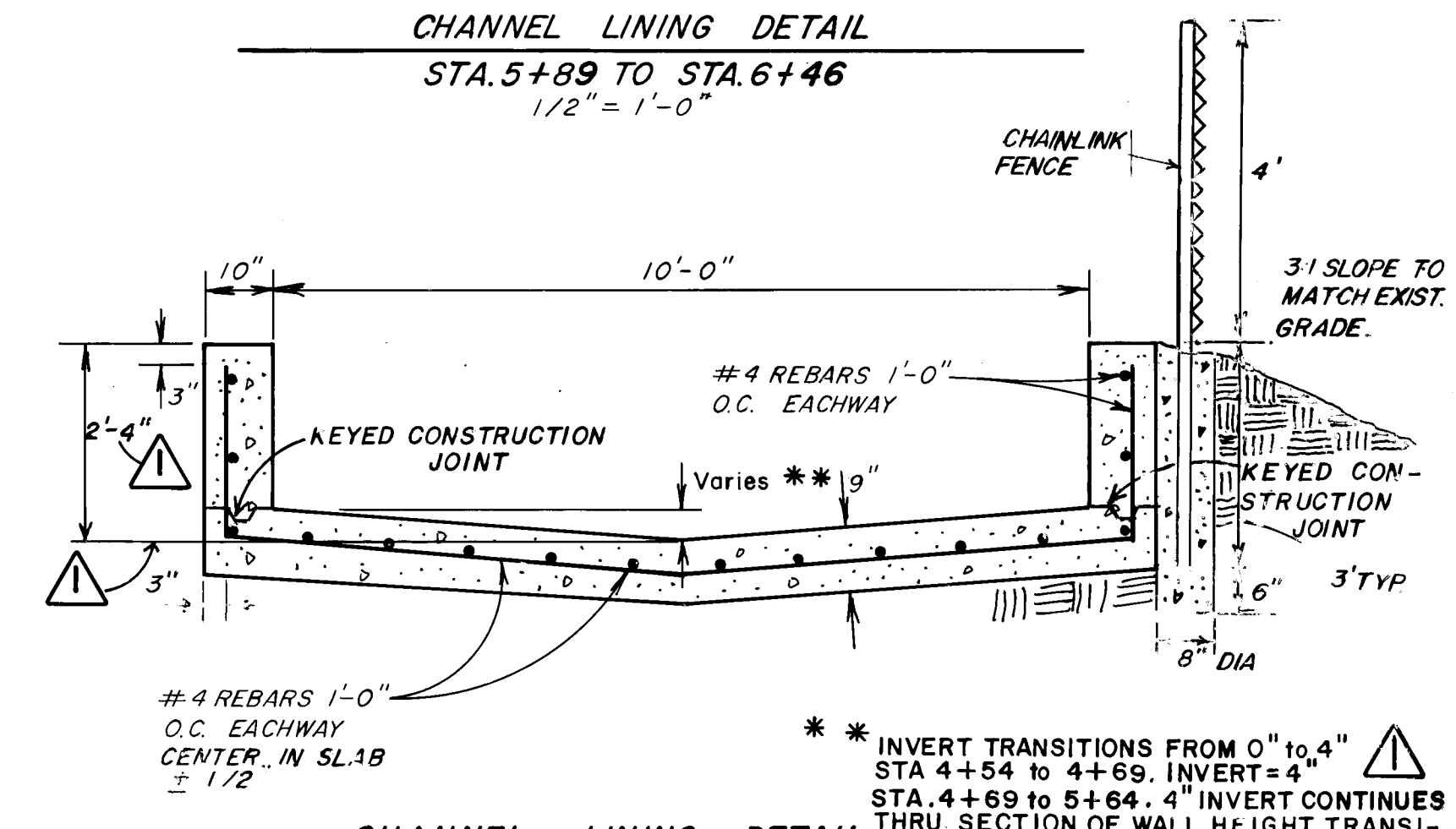
STATIONARY BOLLARD DETAIL



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

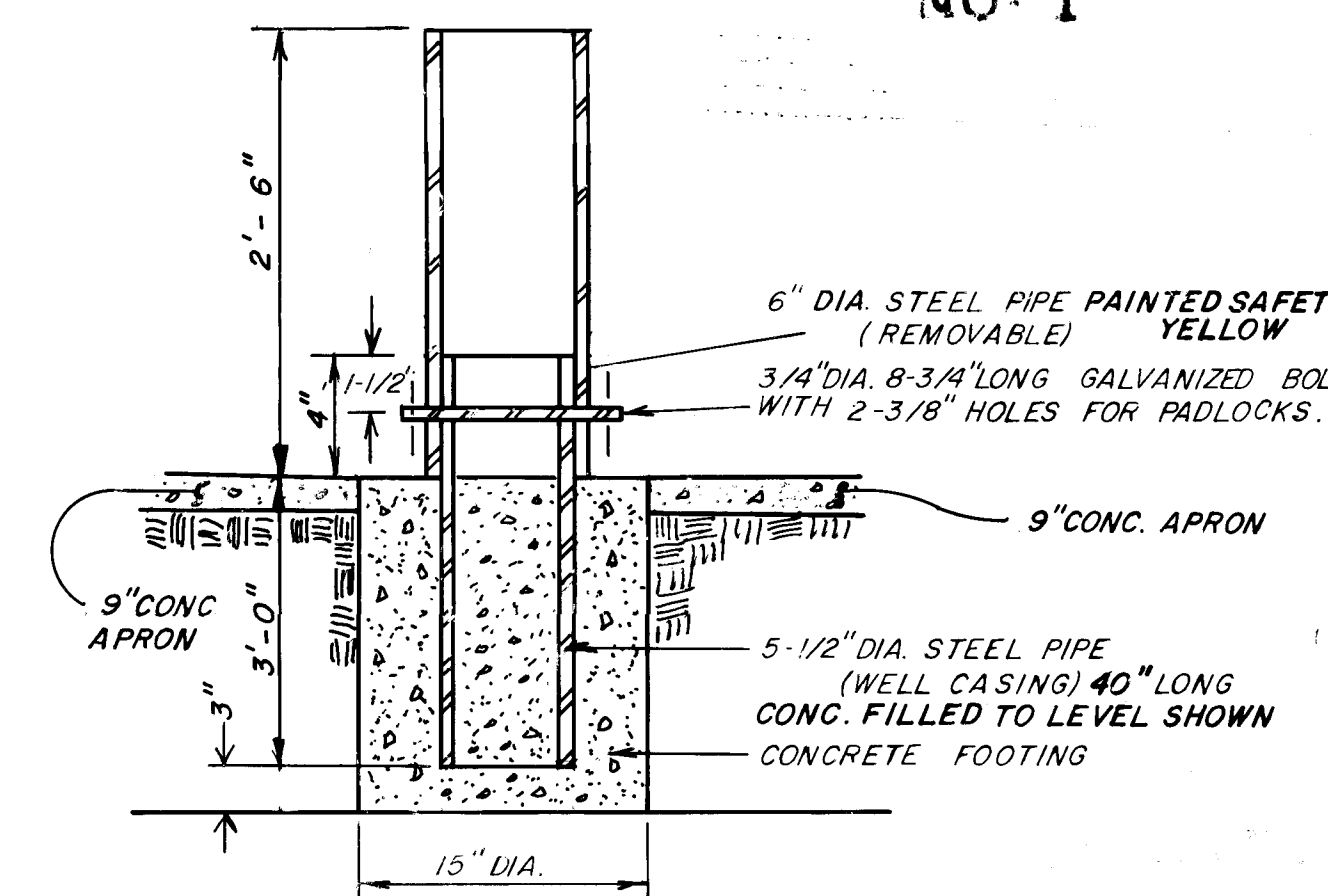


CHANNEL LINING DETAIL
STA. 5+89 TO STA. 6+46
1/2" = 1'-0"



CHANNEL LINING DETAIL
STA. 4+54 TO STA. 5+64
1/2" = 1'-0"

ADDENDUM
NO. 1



REMOVABLE BOLLARD DETAIL

NO.	DATE	REMARKS	BY
12-13-83		ADDENDUM No. 1, DETAIL CLARIFICATION.	R.M.E.

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: ODELIA PARK DAM OUTLET STRUCTURE, FLARED SECTION, CHANNEL LINING AND BOLLARD DETAILS.					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	11/15/83	Liquid Waste	<i>[Signature]</i>	11/15/83
A.C.E. Design	<i>[Signature]</i>	11/15/83	Traffic	<i>[Signature]</i>	11/15/83
A.C.E. Hydrology	<i>[Signature]</i>	11/15/83	Water	<i>[Signature]</i>	11/15/83
DRAWING NO.	1169	MAP NO.	H.J-15	SHEET	17 OF 17