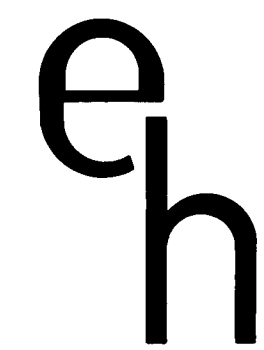
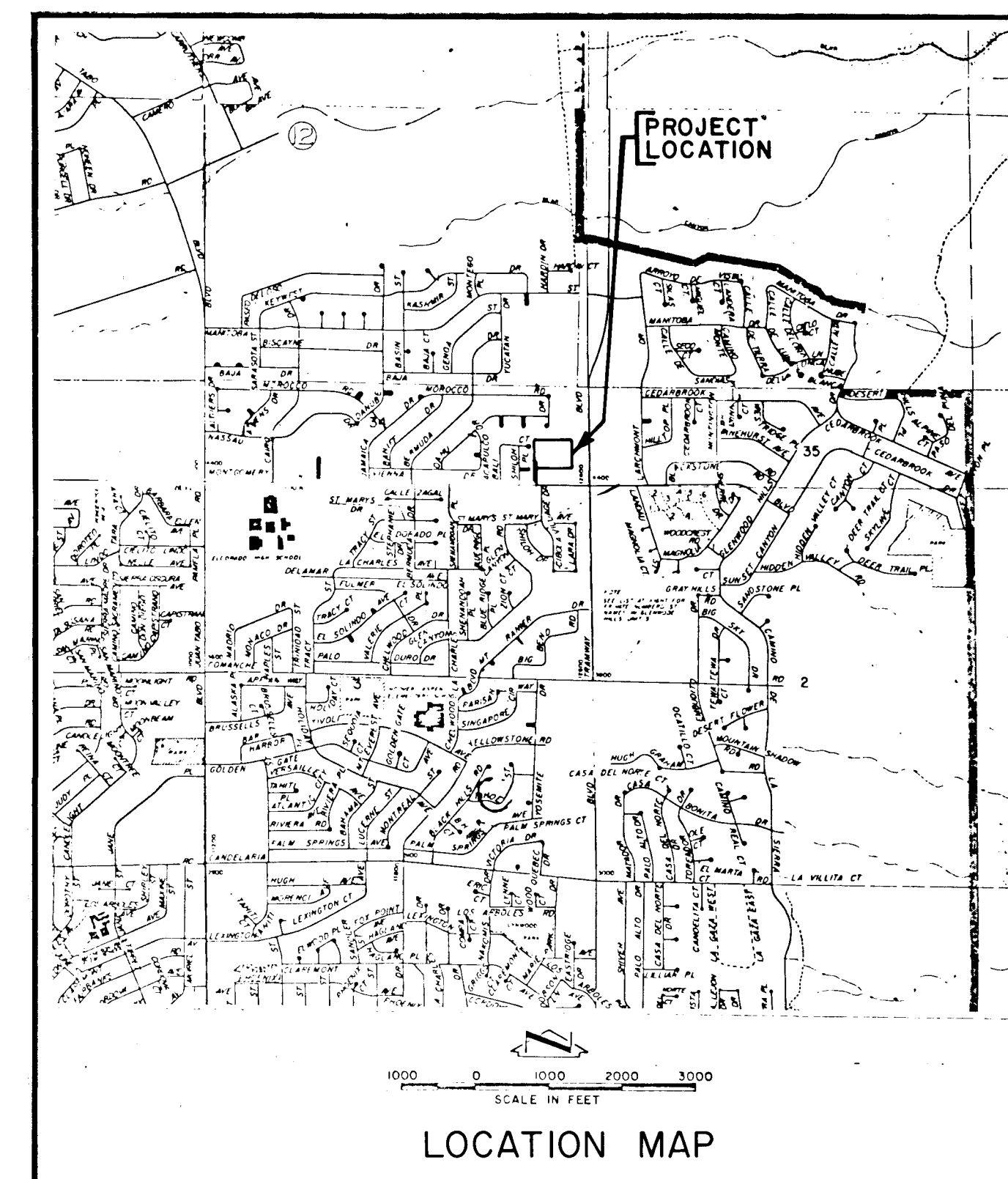


CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

KIVA RESERVOIR NO. 2



ESPEY, HUSTON & ASSOCIATES, INC.
Engineering & Environmental Consultants
4801 Indian School Rd. NE ~ Suite 204
Albuquerque, New Mexico 87110



INDEX

- 1 EXISTING LAYOUT
- 2 GRADING PLAN
- 3 PROPOSED LAYOUT
- 4 TANK DETAILS
- 5 TANK DETAILS
- 6 MISCELLANEOUS DETAILS
- 7 TANK DETAILS
- 8 DRAIN LINE PLAN & PROFILE
- 9 INLET-OUTLET LINE PLAN & PROFILE
- 10 CATHODIC PROTECTION DETAILS
- 11 ELECTRICAL LAYOUT
- 12 RETAINING WALL DETAILS
- 12-A REVISED FOUNDATION AND TANK UNDERDRAIN SYSTEM

APPROVED AS RECORD DRAWINGS

BY: William J. Baber DATE: 11-20-89

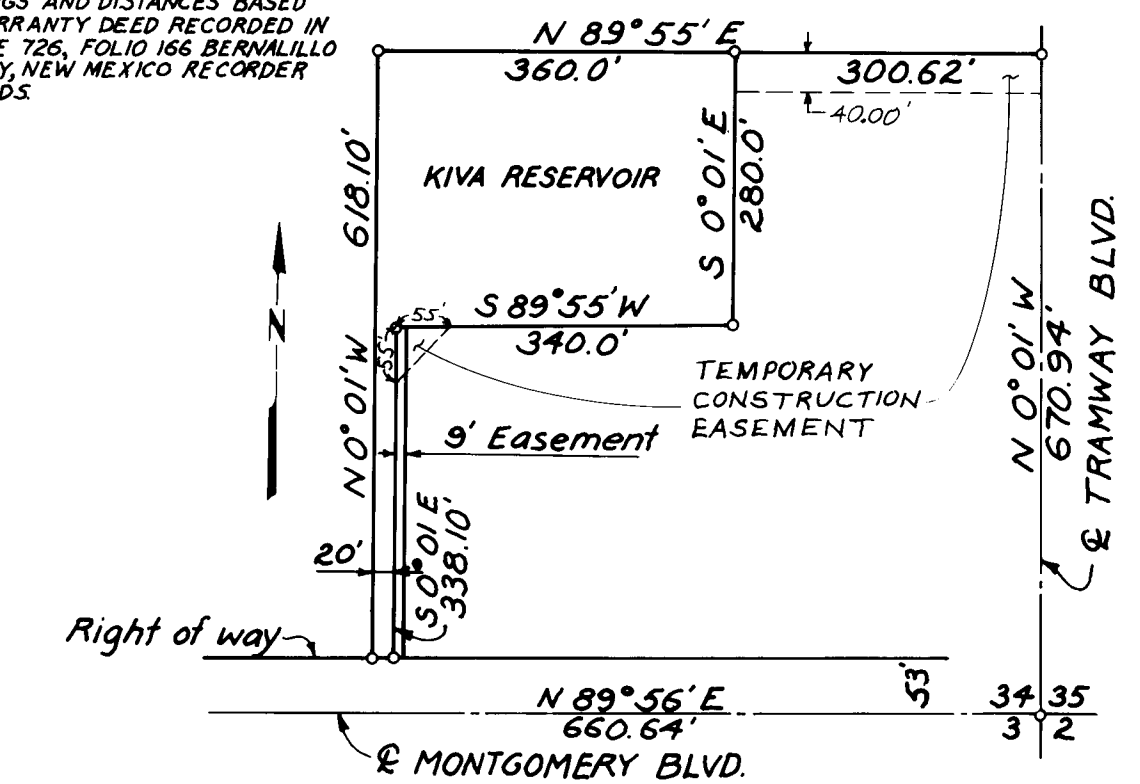
ACCEPTED FOR CONSTRUCTION

BY: Joe L. ... DATE: 11/13/89

26 30980089

DRAWING NC 3098

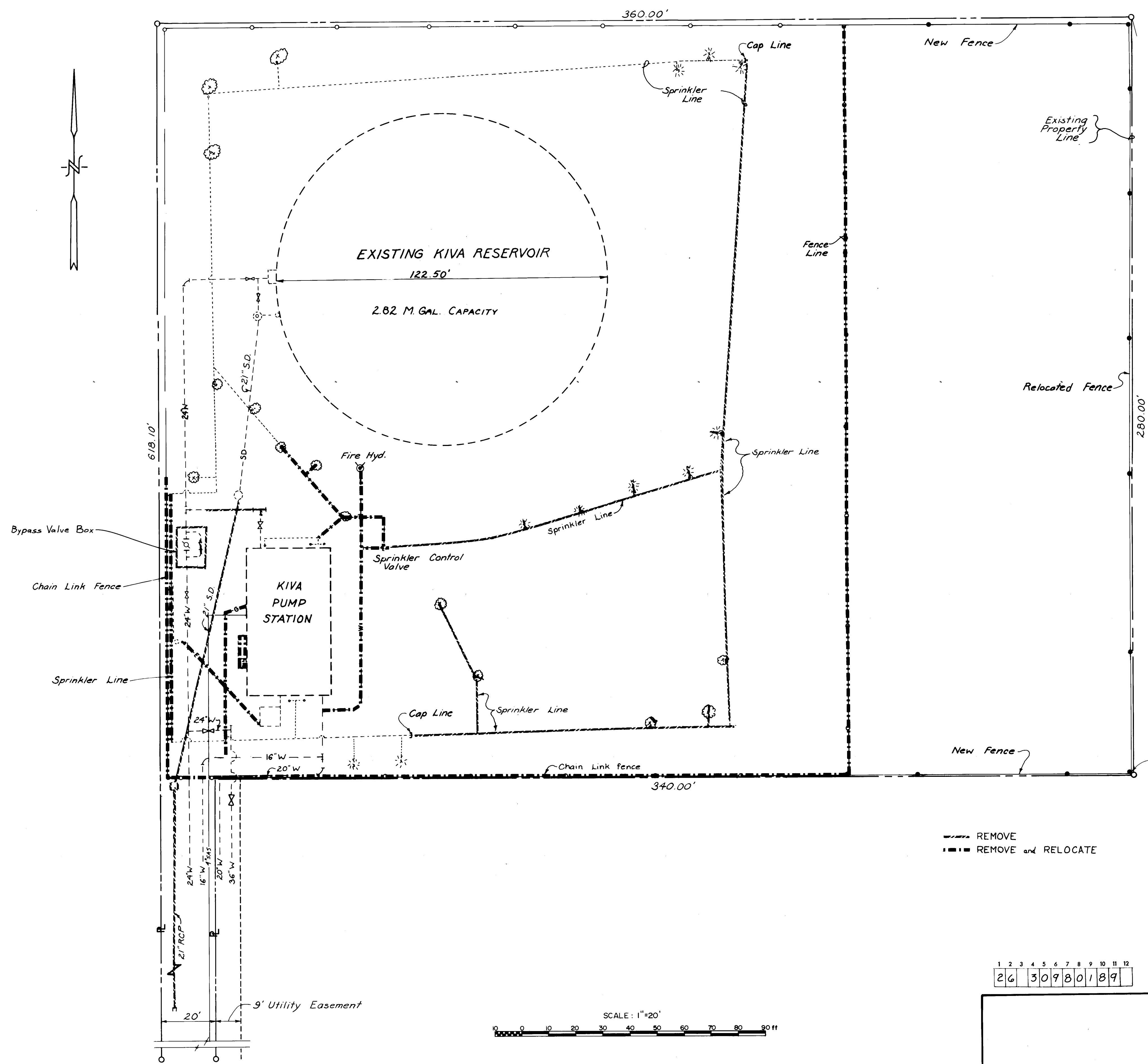
BEARINGS AND DISTANCES BASED
ON WARRANTY DEED RECORDED IN
VOLUME 726, FOLIO 166, BERNALILLO
COUNTY, NEW MEXICO RECORDER
RECORDS.



PROPERTY BOUNDARY
No Scale

NOTE: REMOVAL OF IRRIGATION SPRINKLER LINES
SHALL BE COORDINATED WITH THE LANDSCAPE
ARCHITECT

NOTE:
EXISTING CHAIN LINK FENCE ENCROACHES
ONTO CITY PROPERTY. CONTRACTOR SHALL
RELOCATE FENCE BY SURVEY UPON
COMPLETION OF CONSTRUCTION.



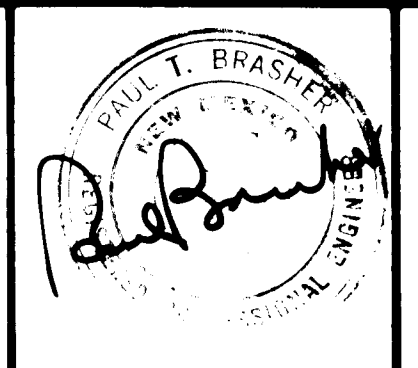
--- REMOVE
--- REMOVE and RELOCATE

SCALE: 1"=20'

1 2 3 4 5 6 7 8 9 10 11 12
26 30980189

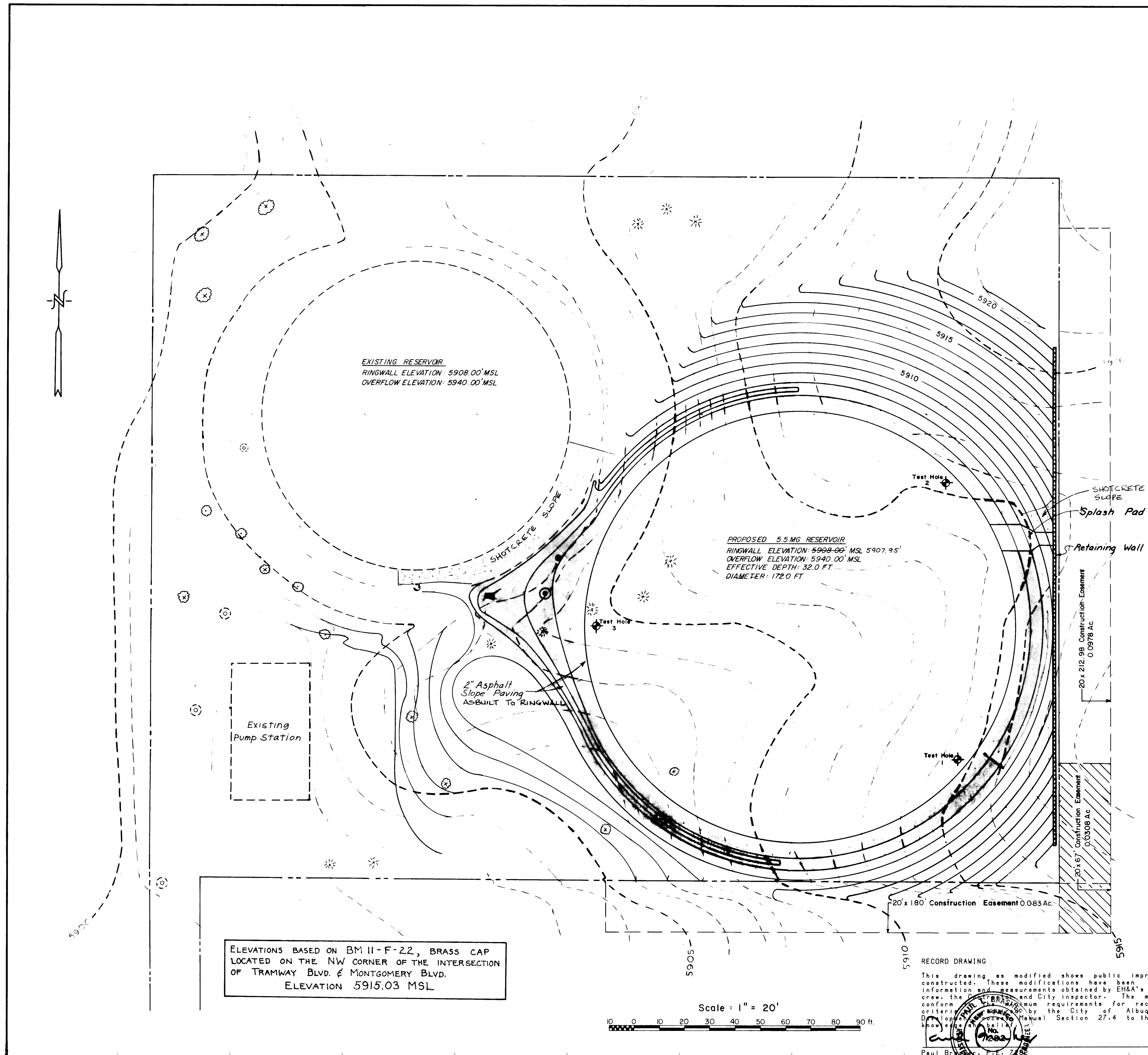
NO	REVISION	BY	DATE

DESIGNED BY: T.S. RR
DRAWN BY: SC
CHECKED BY:
APPROVED BY:
DATE:



ESPEY, HUSTON & ASSOCIATES, INC.
Engineering & Environmental Consultants
4801 INDIAN SCHOOL ROAD N.E. SUITE 204
ALBUQUERQUE, NEW MEXICO 87110 PHONE (505) 255-1625

CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT ENGINEERING DIVISION					
TITLE: KIVA RESERVOIR 2 EXISTING LAYOUT					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E.-Design			Traffic		
A.C.E.-Hydrology			Water		
DRAWING NO. 3098			SHEET 1 OF 12		
APPROVED FOR CONSTRUCTION CITY ENGINEER DATE					



BORING LOG GRAPH - TEST HOLE NO. 1									
DEPTH - FT.	VISUAL DESCRIPTION	Penetration Resistance	Particle Size Distribution %	Atterberg Limits					
	Existing Ground Elevation = 5918.5	N	W	L	U	PI			
0	Sand, brown, silty	2.6	8	68	24	27	18	9	
5	to some fairly	2.6	16	65	19				
10	"clean" zones,	2.4	21	61	18				
15	coarse to fine	1.9	13	74	13				
20	grained, traces to	1.9	18	68	14				
25	a little pea to	2.5	10	81	9				
30	1" gravel.	4.0	8	65	27				
35	(Sh-some SP)	4.2	8	65	27				
40	Generally	7.4	8	62	30				
45	Dense								

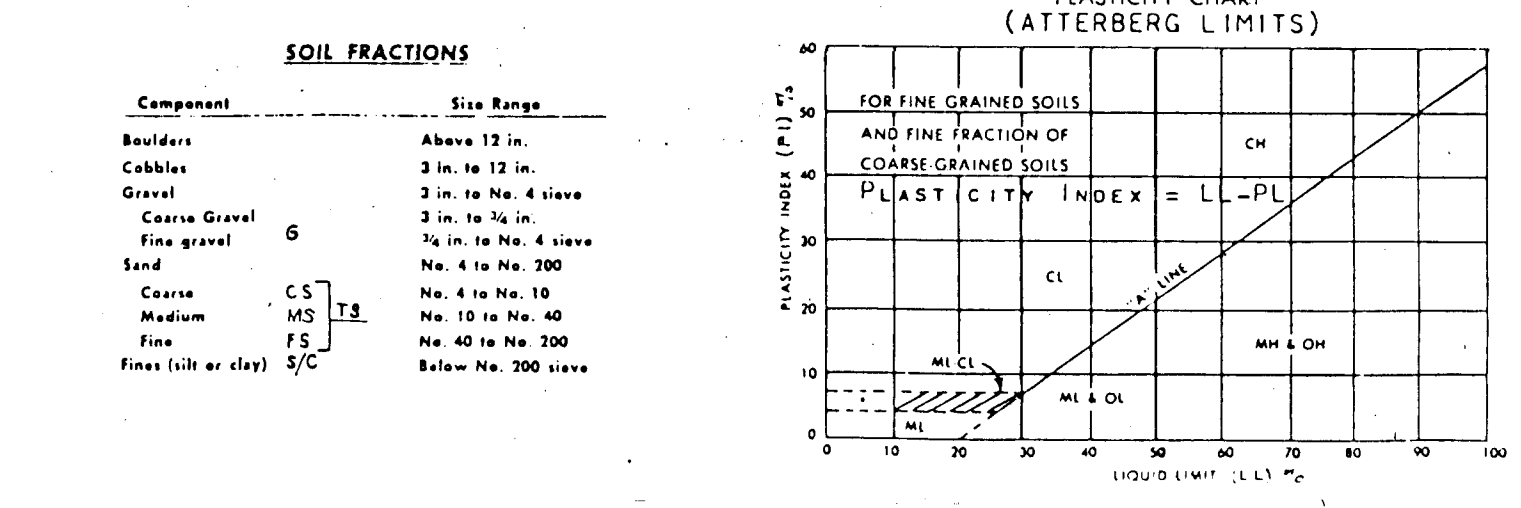
BORING LOG GRAPH - TEST HOLE NO. 2									
DEPTH - FT.	VISUAL DESCRIPTION	Penetration Resistance	Particle Size Distribution %	Atterberg Limits					
	Existing Ground Elevation = 5914.5	N	W	L	U	PI			
0	Sand, brown, silty	2.7	11	71	18	27	18	9	
5	to some fairly	2.5	11	71	18				
10	"clean" zones,	3.3	11	71	18				
15	coarse to fine	2.2	11	71	18				
20	grained, traces to	1.8	11	71	18				
25	a little pea to	3.5	11	71	18				
30	1" gravel.	3.0	11	71	18				
35	(Sh-some SP)								
40	Generally								
45	Dense								

BORING LOG GRAPH - TEST HOLE NO. 3									
DEPTH - FT.	VISUAL DESCRIPTION	Penetration Resistance	Particle Size Distribution %	Atterberg Limits					
	Existing Ground Elevation = 5908.5	N	W	L	U	PI			
0	Sand, brown, silty	3.3	11	71	18	27	18	9	
5	to some fairly	2.5	11	71	18				
10	"clean" zones,	2.6	11	71	18				
15	coarse to fine	2.6	11	71	18				
20	grained, traces to	2.6	11	71	18				
25	a little pea to	2.2	11	71	18				
30	1" gravel.	2.7	11	71	18				
35	(Sh-some SP)								
40	Generally								
45	Dense								

- Penetration Resistance - Blows per foot using "A" rod, 140 lb. hammer with 30-inch guided free fall unless otherwise noted.
N - Standard Penetration Resistance (ASTM: D-1586), 2" O.D. split barrel sampler.
- Sample Type
S - Standard Split Barrel: 2" O.D. x 1-3/8" I.D.
- Soil Index Properties
M - Moisture Content, % of dry soil weight.
D - Density, lbs per cubic foot computed either by volumetric or displacement methods. Soils Classifications are visual unless accompanied by grain size analysis and Atterberg Limits.
- Water Table - If encountered is noted on Log Graphs as $\pm$

COARSE-GRAINED SOIL		FINE-GRAINED SOIL	
MORE THAN 50% LARGER THAN 200 SIEVE SIZE		MORE THAN 50% SMALLER THAN 200 SIEVE SIZE	
Symbol	DESCRIPTION	Symbol	DESCRIPTION
GW	WELL-GRADED GRAVELS OR GRAVEL SAND MIXTURES, LESS THAN 5% - 200 FINES	ML	LOW PLASTICITY SILTS AND CLAYS
GP	POORLY GRADED GRAVELS OR GRAVEL SAND MIXTURES, LESS THAN 5% - 200 FINES	CL	CLAYEY SILTS AND CLAYS
GM	SILTY GRAVELS, GRAVEL SAND MIXTURES, MORE THAN 12% - 200 FINES	OL	ORGANIC SILTS AND CLAYS
GC	CLAYEY GRAVELS, GRAVEL SAND MIXTURES, MORE THAN 12% - 200 FINES	MH	MEDIUM PLASTICITY SILTS AND CLAYS
SW	WELL-GRADED SANDS OR GRAVELLY SANDS, LESS THAN 5% - 200 FINES	CH	CLAYEY SILTS AND CLAYS
SP	POORLY GRADED SANDS OR GRAVELLY SANDS, LESS THAN 5% - 200 FINES	OH	ORGANIC CLAYS OF LOW PLASTICITY
SM	SILTY SANDS, SAND SILT MIXTURES, MORE THAN 12% - 200 FINES	SH	CLAYEY SILTS AND CLAYS
SC	CLAYEY SANDS, SAND CLAY MIXTURES, MORE THAN 12% - 200 FINES	PT	PEAT AND OTHER HIGHLY ORGANIC SOILS

NOTE - Soils with S to 12 percent minus 200 fines should be classified with dual symbols.

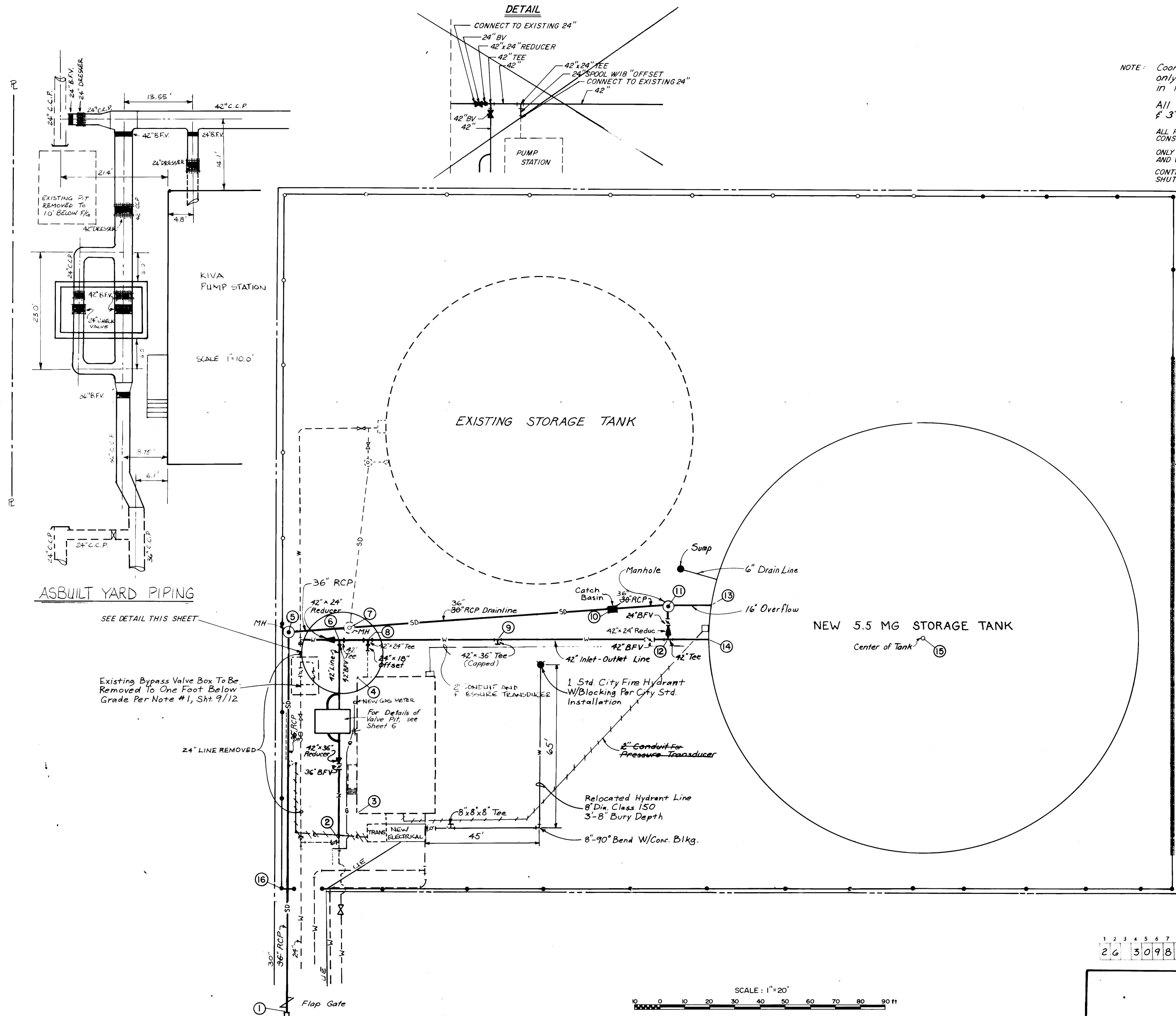


NOTE: Soil and Boring information for design and information purposes only. Contractor shall be responsible for verification of any information given.

26 30980289

DESIGNED BY:			ESPEY, HUSTON & ASSOCIATES, INC. Engineering & Environmental Consultants 4801 Indian School Rd. N.E. - Suite 204 Albuquerque, New Mexico 87110 ph: (505) 255-1625
DRAWN BY:			
CHECKED BY:			
APPROVED BY:			
DATE:			
NO	REVISION	BY	DATE

CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT ENGINEERING DIVISION					
TITLE: KIVA RESERVOIR 2 GRADING PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
	City Engineer			Liquid Waste	
	A.C.E. - Design			Traffic	
	A.C.E. - Hydrology			Water	
DRAWING NO. 3098			SHEET 2 OF 12		
CITY ENGINEER			DATE		



NOTE: Coordinates for existing structures for information only. Contractor shall be responsible for verification in the field.

All BFV's will be placed with spools, Flex Couplings & 3\"/>

Point No.	Coordinates
①	N 740.26 E 999.54
②	N 1022.17 E 1024.39
③	N 1030.39 E 1030.95
④	N 1084.39 E 1030.95
⑤	N 1103.71 E 1004.50
⑥	N 1098.47 E 1024.35
⑦	N 1105.48 E 1027.79
⑧	N 1098.47 E 1035.65
⑨	N 1098.47 E 1085.88
⑩	N 1113.46 E 1132.61
⑪	N 1115.13 E 1154.57
⑫	N 1098.47 E 1154.57
⑬	N 1115.13 E 1171.17
⑭	N 1098.47 E 1169.88
⑮	N 1100.20 E 1255.86
⑯	N 1000.00 E 1000.00

RECORD DRAWING

This drawing as modified shows public improvements as constructed. These modifications have been made using information and measurements obtained by EH&A's field survey crew, the Contractor and City Inspector. The modifications conform to the minimum requirements for record drawing criteria as required by the City of Albuquerque per Development Process Manual Section 27.4 to the best of my knowledge and belief.

Paul Bricker, P.E. 12292

7-5-88

Date

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

SCALE: 1"=20'

0 10 20 30 40 50 60 70 80 90 ft

NO.	REVISION	BY	DATE

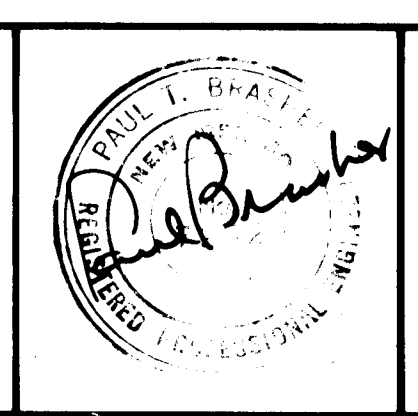
DESIGNED BY: _____

DRAWN BY: _____

CHECKED BY: _____

APPROVED BY: _____

DATE: _____



ESPEY, HUSTON & ASSOCIATES, INC.

Engineering & Environmental Consultants

4801 Indian School Rd. N.E. - Suite 204
Albuquerque, New Mexico 87110
ph: (505) - 255-1625

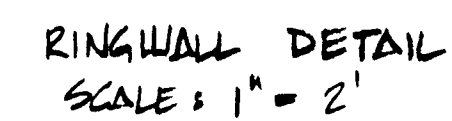
CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT ENGINEERING DIVISION					
TITLE: KIVA RESERVOIR 2 PROPOSED LAYOUT					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E.-Design			Traffic		
A.C.E.-Hydrology			Water		
DRAWING NO. 3098			SHEET 3 OF 12		
APPROVED FOR CONSTRUCTION CITY ENGINEER DATE					

This drawing has been modified to show public improvements as constructed. These modifications have been made using information and measurements obtained by EH&A's field survey crew, the City Engineer, and City Inspector. The modifications conform with minimum requirements for record drawing as stated in the City of Albuquerque Engineering Department's Standard Specifications, Section 27.4 to the best of my knowledge and belief.

Paul Brinkman

75-88

Paul Brinkman, P.E. _____ Date _____



BASE COURSE CLASSIFICATION	
PERCENT PASSING	
Sieve Size	Class I
1"	100
3/4"	80-100
NO. 4	30-60
NO. 10	20-45
NO. 200	3-10
SOUNDNESS	18 or less
L.A. Abrasion	50 or less
LL	25 or less
P.I.	6 max

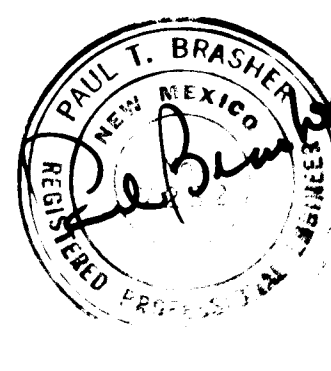


1. Undercutting of existing soils shall extend vertically to at least:
 - a.) Two (2) feet beneath the bottom elevation of the ringwall; and
 - b.) Three (3) feet beneath the tank bottom; and
 - c.) Five (5) feet on both sides of the circumferential ringwall.
2. Exposed subgrade soils shall be scarified to at least eight (8) inches in depth, and processed as necessary to achieve optimum moisture content.
3. Soil shall be replaced and compacted in 8" lifts to 95% of Modified Proctor Density (ASTM D-1557). The top one foot depth of compacted fill shall consist of a well-graded decomposed granite sand containing 30 to 35% fines.

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

[illegible]

DESIGNED BY : T.S. R.R.
DRAWN BY : W.T.
CHECKED BY : _____
APPROVED BY : _____
DATE : _____



e_h

4801 INDIAN SCHOOL ROAD N.E., SUITE 204
ALBUQUERQUE, NEW MEXICO 87110 PHONE (505) 255-1625

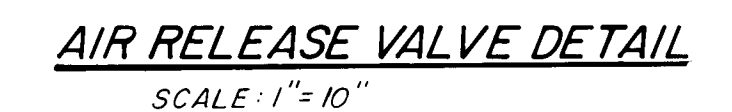
**APPROVED FOR
CONSTRUCTION**

CITY ENGINEER DATE

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

DRAWING NO. 3098

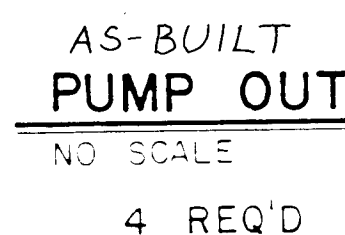
SHEET 4 OF 12



Scale : None



Scale : None



Scale : None

This drawing as modified shows public improvements as constructed. These modifications have been made using information and measurements obtained by EHA's field survey crew, the Contractor and City Inspector. The modifications conform to the minimum requirements for record drawings as required by the City of Albuquerque per Development Project Manual Section 27.4 to the best of my knowledge and belief.

Paul Branner
Paul Branner, P.E. 7282

7-5-88

Date

DRAWING NO.	3098	SHEET 5 OF 12
-------------	------	---------------

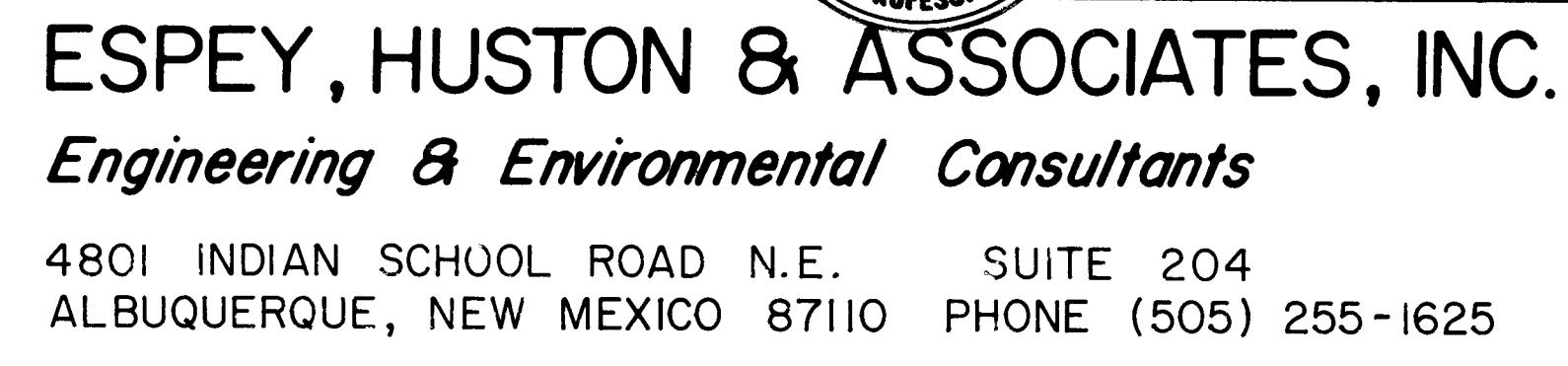
CITY ENGINEER DATE

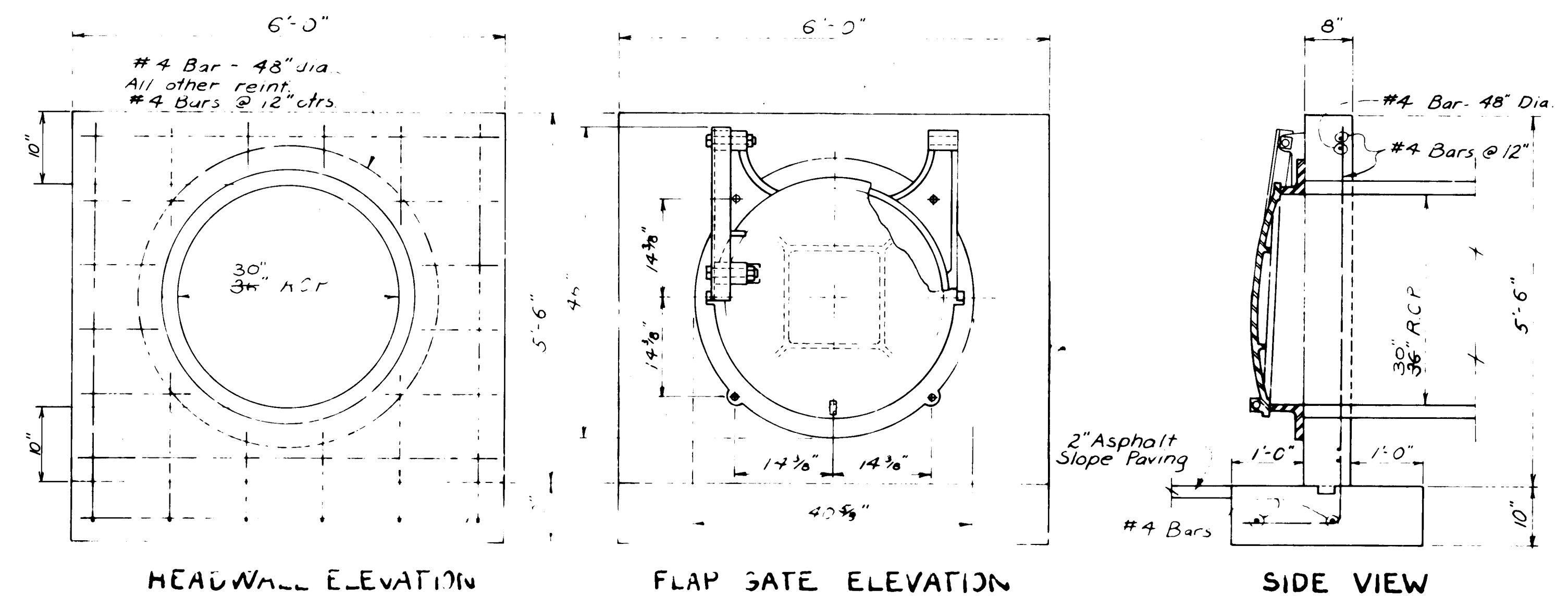
4801 INDIAN SCHOOL ROAD N.E. SUITE 204
ALBUQUERQUE, NEW MEXICO 87110 PHONE (505) 255-1625

[illegible]

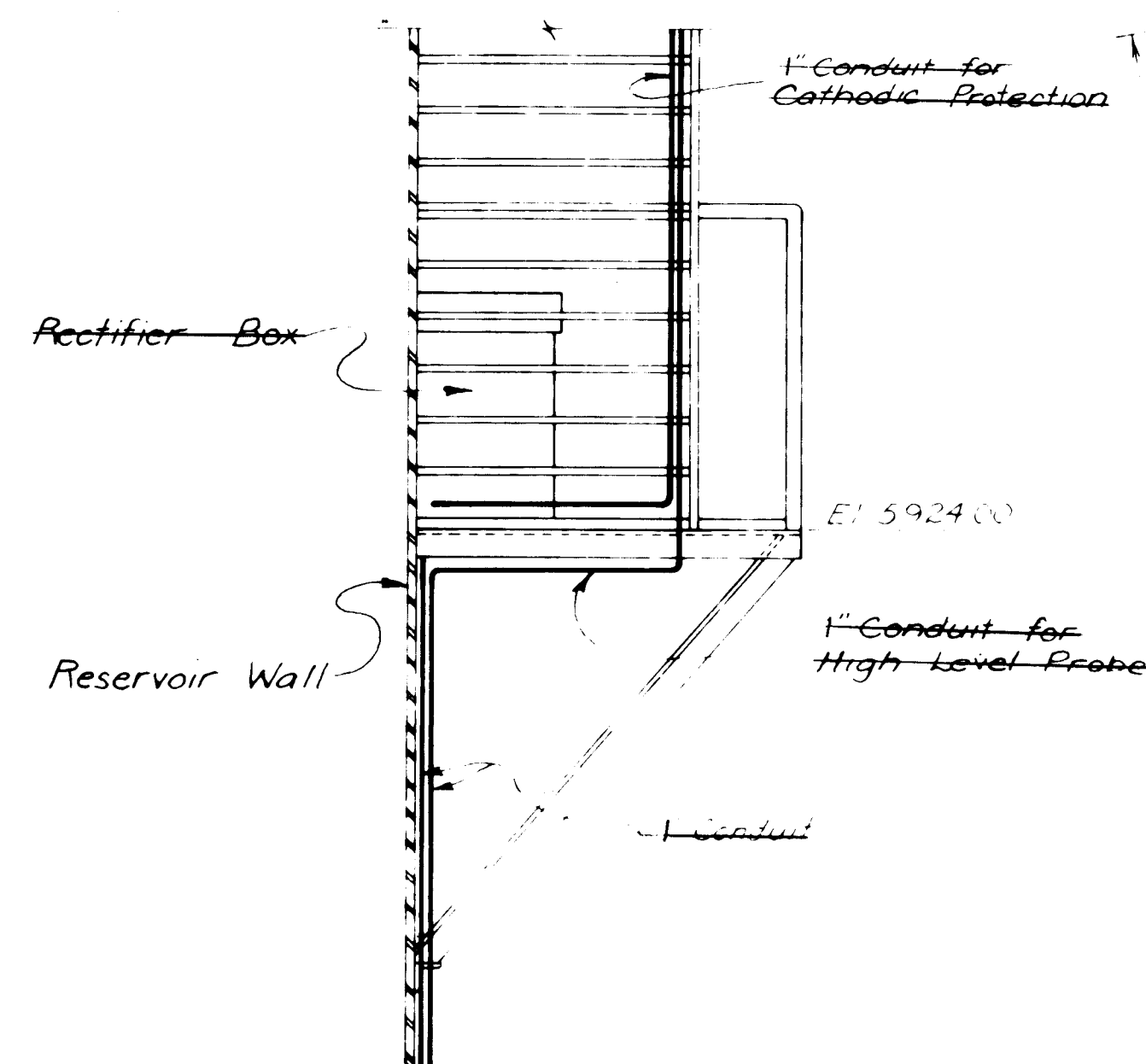
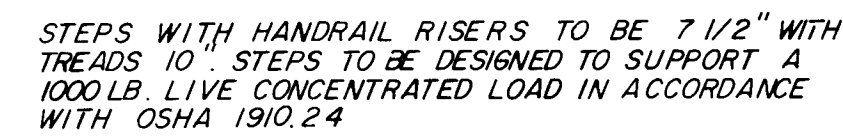
NO.	DESCRIPTION
①	2" 96" Check Valve
②	42" Butterfly Valve, Elect. Motor Operator
③	36" Dresser Coupling, Restrained 4 Places Min.
④	42" Dresser Coupling, Restrained 4 Places Min.

All Reinforcing Steel shall be Grade 60,
ASTM A615 or A616.

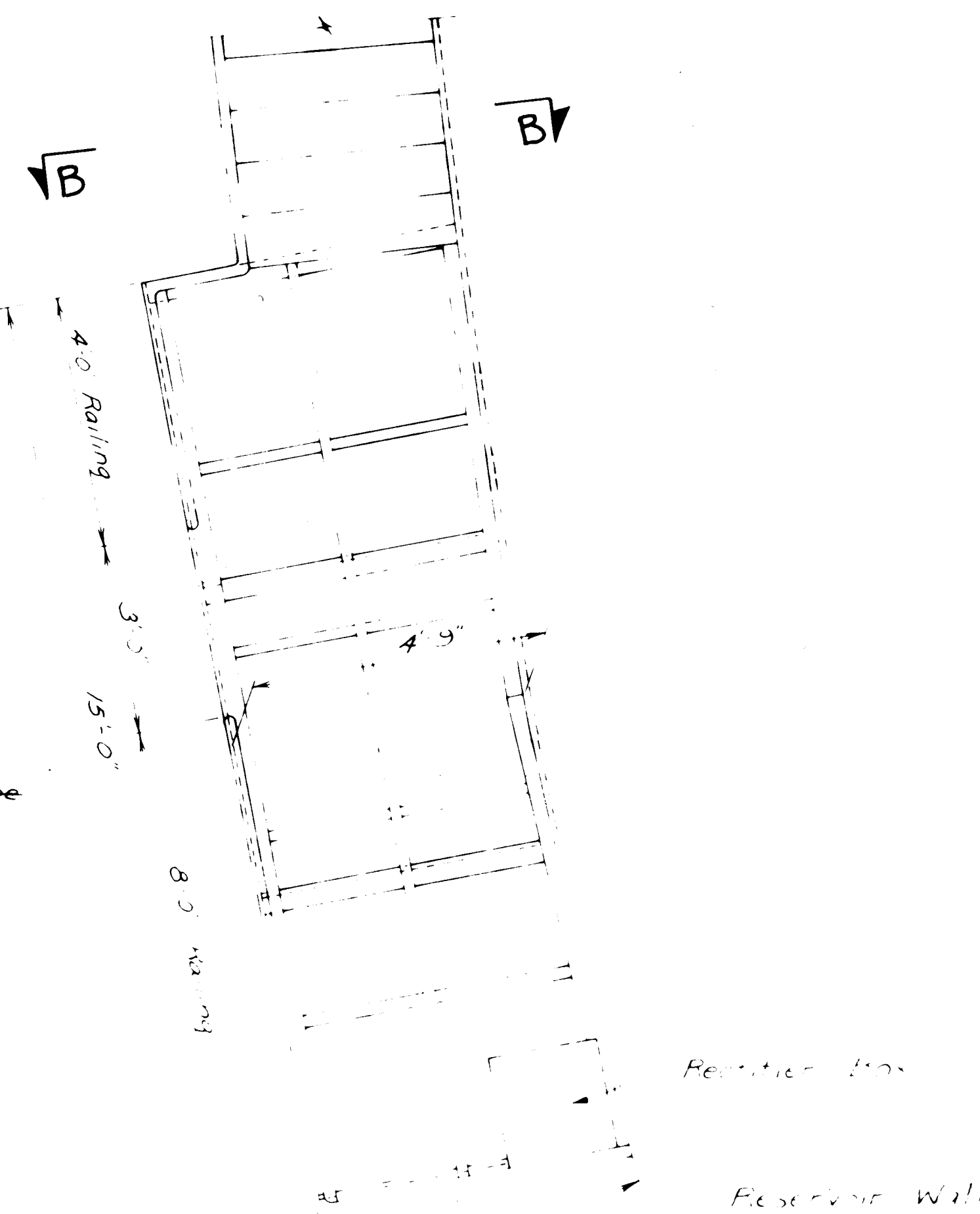




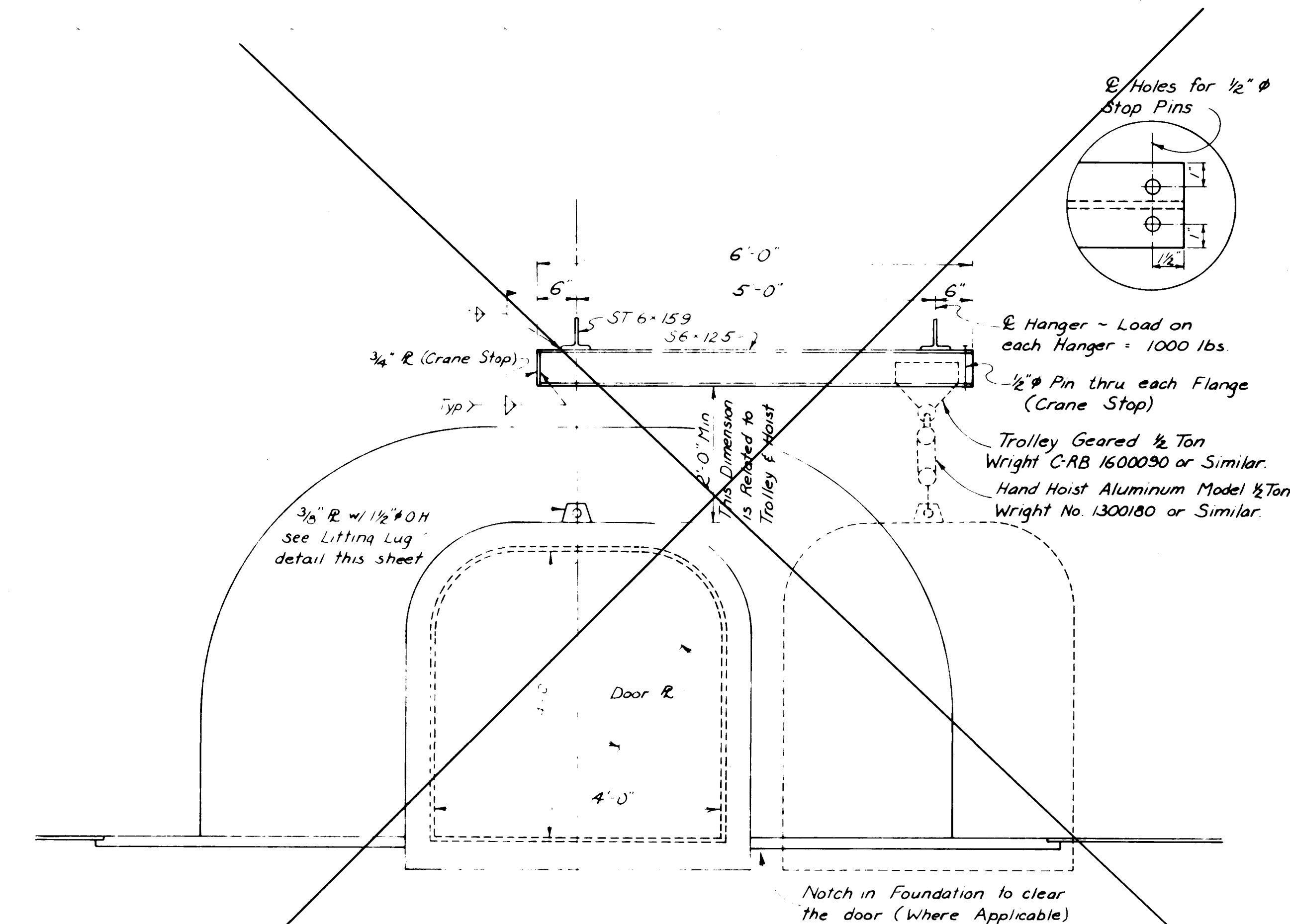
FLAP GATE DETAILS
NO SCALE



SECTION B-B



PLAN - LOWER PLATFORM
STAIRWAY & LANDING DETAILS
NO SCALE



DETAIL FOR RESERVOIR
CLEANOUT OPENING

This drawing as modified shows public improvements as constructed. These modifications have been made using information and measurements obtained by EH&A's field survey crew, the Engineer and City Inspector. The modifications conform to the minimum requirements for record drawings set forth in the City of Albuquerque Engineering Manual, Section 27.4 to the best of my knowledge and belief.

Paul W. Deane
2782

73-88

Paul W. Deane, P.E. 1982 Date

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

CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION

KIVA RESERVOIR 2

TANK DETAILS

APPROVAL	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
Asst. Design			Traffic		
Asst. Hydraulics			Water		

APPROVED FOR
CONSTRUCTION

CITY ENGINEER DATE

DRAWING NO 3098

SHEET 7 OF 12

[illegible]

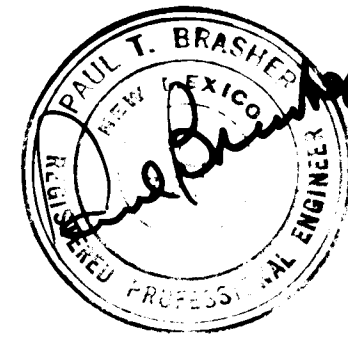
DESIGNED BY _____
DRAWN BY _____
CHECKED BY _____
APPROVED BY _____
DATE _____



eh

ESPEY, HUSTON & ASSOCIATES, INC
Engineering & Environmental Consultants

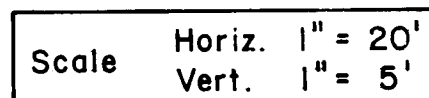
4801 INDIAN SCHOOL ROAD N.E. SUITE 204
ALBUQUERQUE, NEW MEXICO 87110 PHONE (505) 255-4625



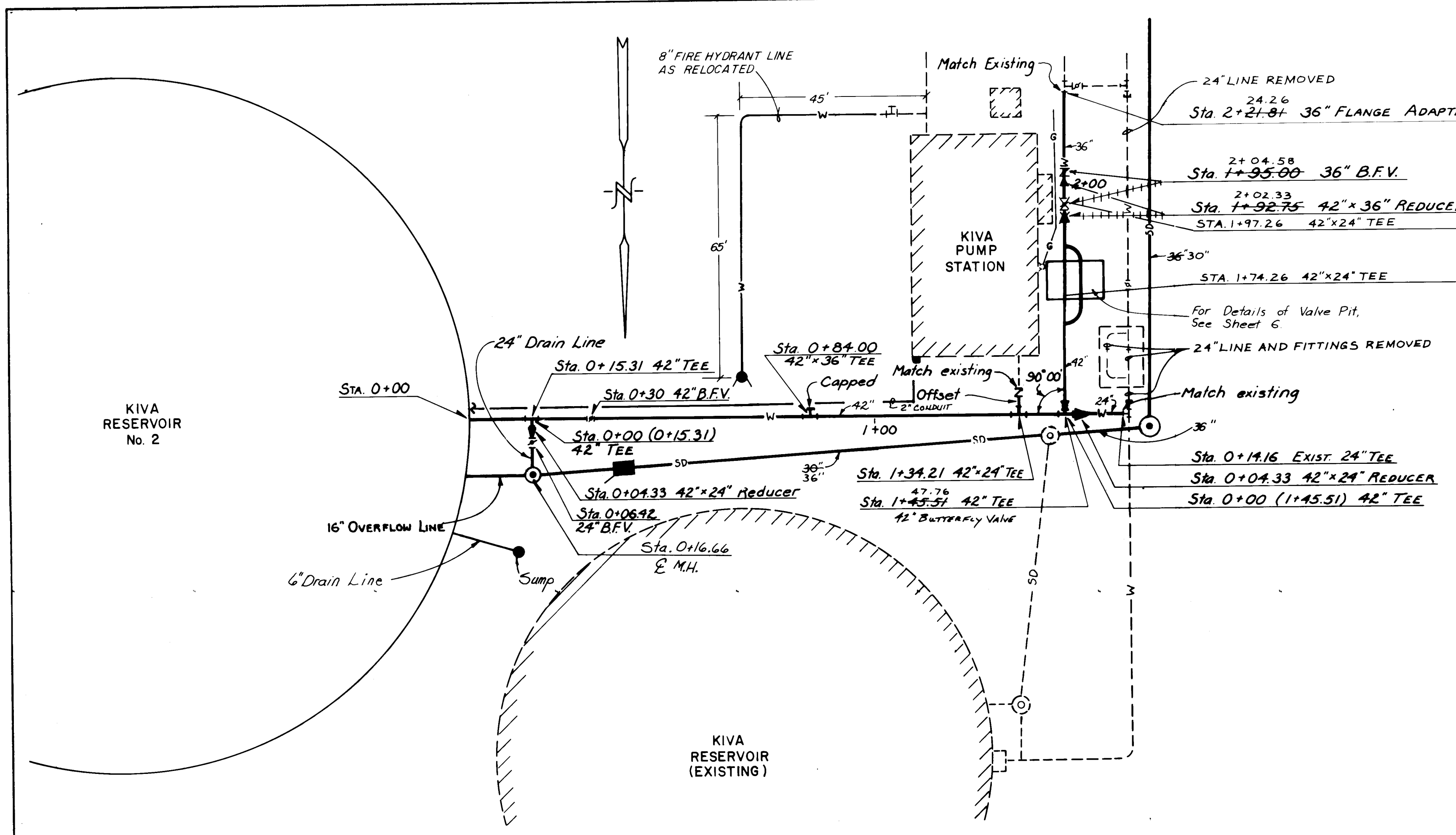
Date



NOTE: 2" HIGH PRESSURE GAS
CONTRACTOR TO FIELD VERIFY



SHEET 8 OF 12

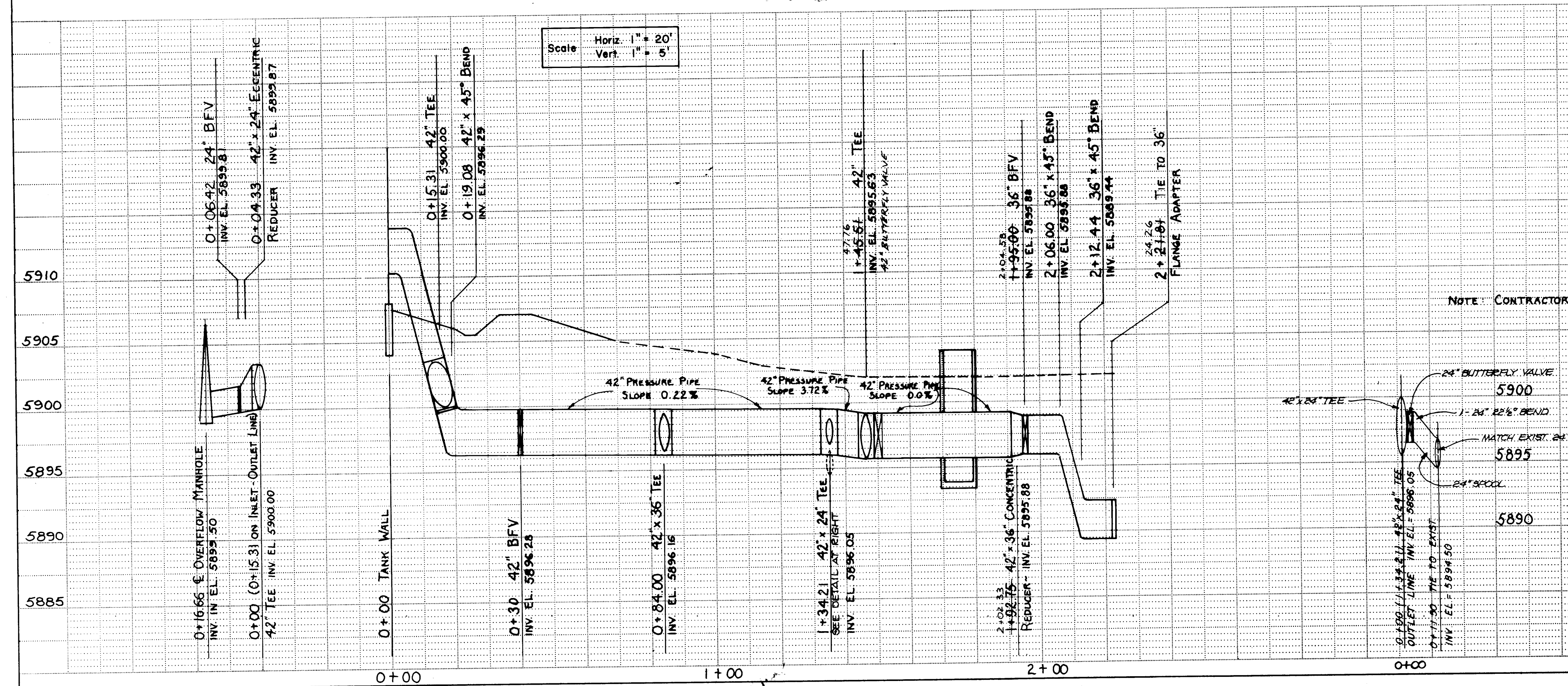
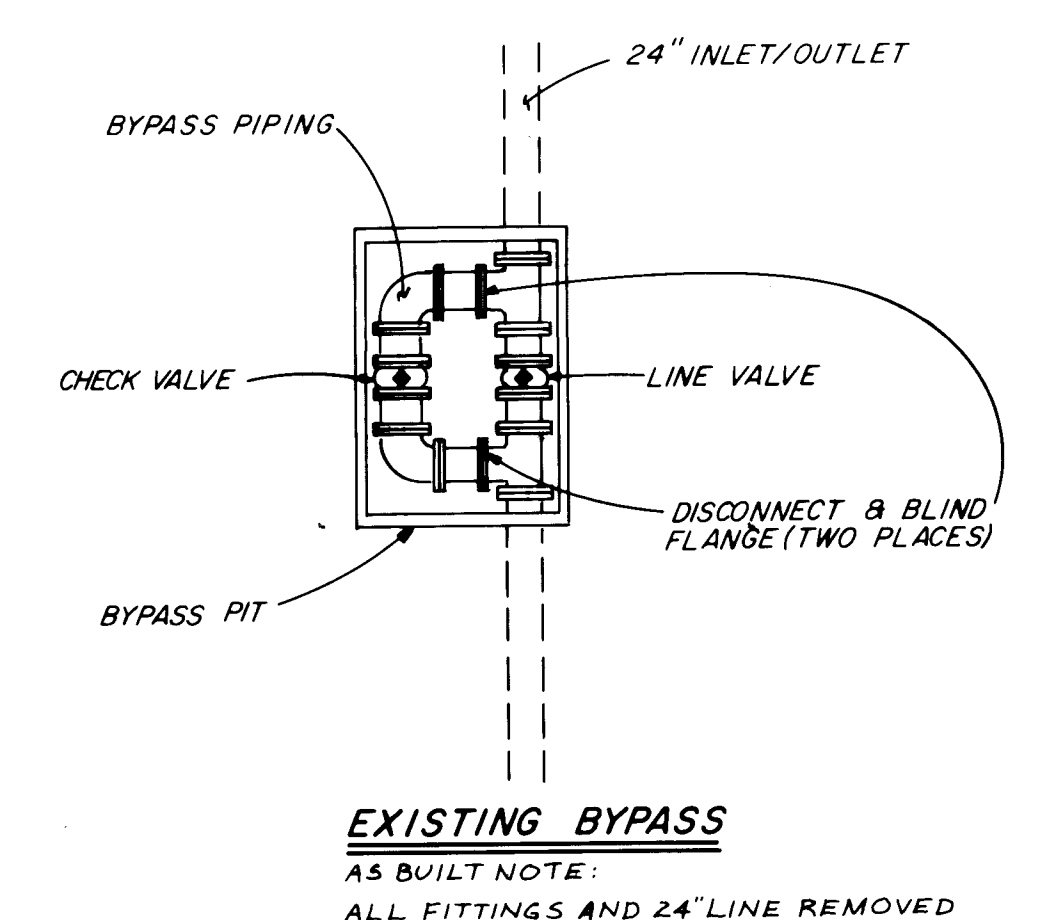


- NOTES**
1. CONTRACTOR TO REMOVE EXISTING CHECK VALVE AND RETURN TO CITY.
CONTRACTOR TO DISCONNECT BYPASS PIPING, INSTALL TWO BLIND FLANGES AT BYPASS-OUTLETS.
CONTRACTOR TO REMOVE TOP ONE FOOT OF BYPASS PIT WALL; FILL WITH SUITABLE MATERIAL; COMPACT PER SECTION 561.03 (SEE SEC. 561.04) LINE VALVE TO REMAIN IN OPEN POSITION.
 2. CONTRACTOR TO VERIFY ELEVATIONS OF EXISTING FITTINGS BEFORE ORDERING MATCHING MATERIAL.
 3. LOCATION OF EXISTING PIPES, AS SHOWN, BASED ON AS-BUILT DRAWINGS. CONTRACTOR TO VERIFY LOCATION, DIRECTION AND ELEVATIONS BEFORE ORDERING PIPE AND CONNECTION FITTINGS.

RECORD DRAWING

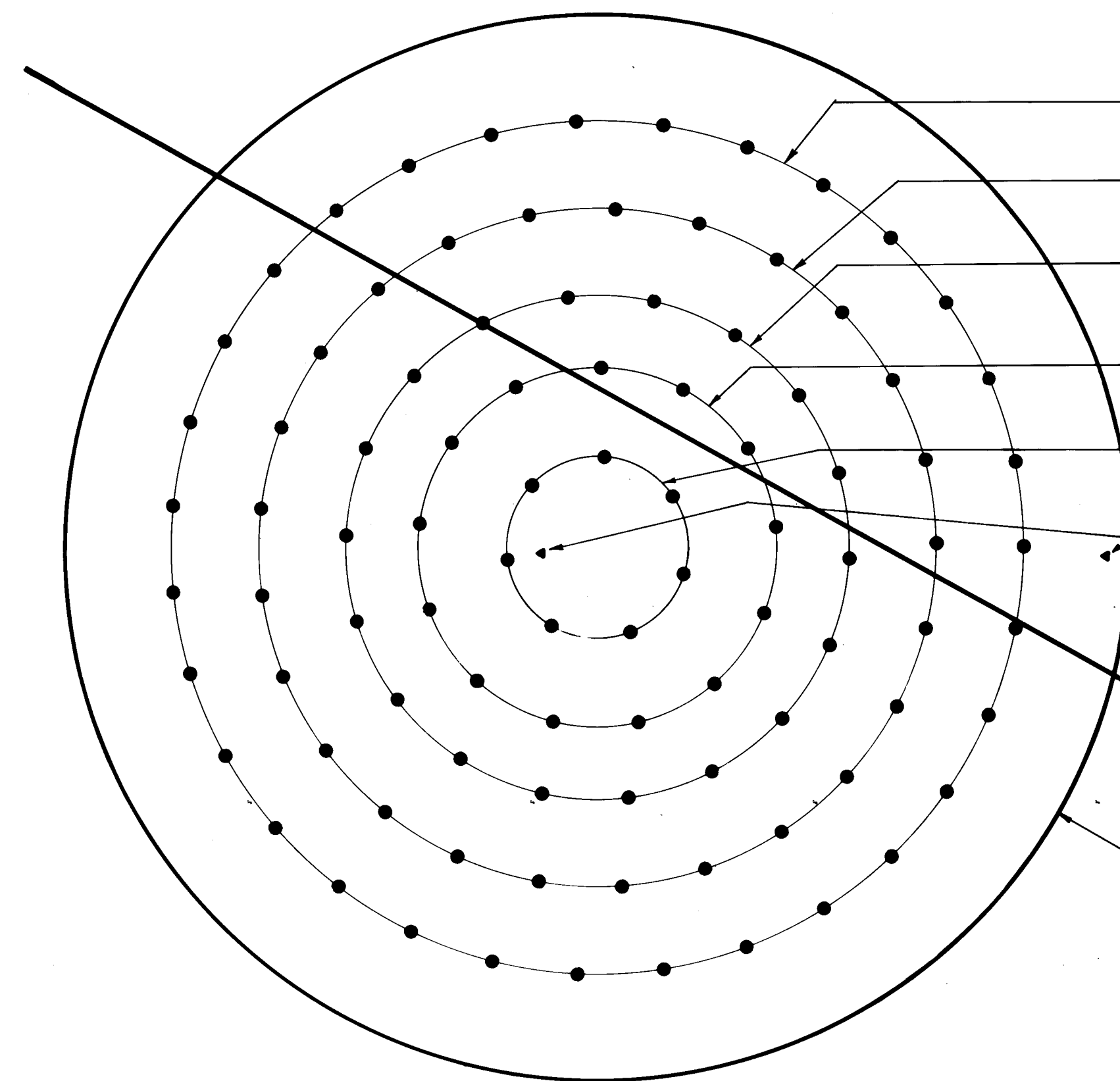
This drawing as modified shows public improvements as constructed. These modifications have been made using information and measurements obtained by EHA's field survey crew, the Contractor and City Inspector. The modifications conform to the minimum requirements for record drawing criteria as required by the City of Albuquerque per Development Process Manual Section 27.4 to the best of my knowledge and belief.

Paul Brasher 7-5-08
Paul Brasher, P.E. 7282 Date



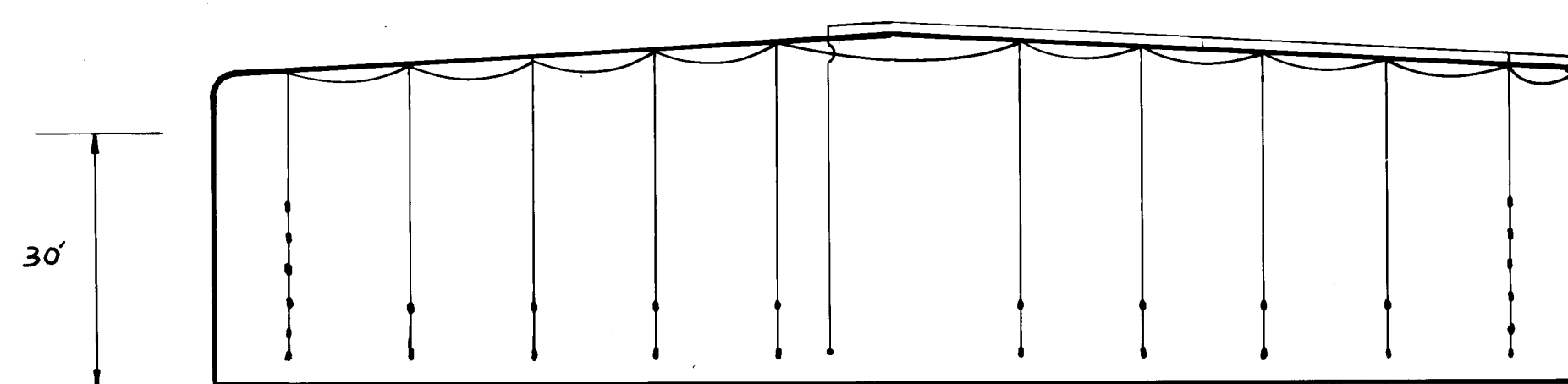
NOTE: CONTRACTOR TO DEFLECT PIPE/FITTINGS AS REQUIRED.

CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT ENGINEERING DIVISION					
TITLE: KIVA RESERVOIR 2					
INLET/OUTLET LINE PLAN & PROFILE					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E.-Design			Traffic		
A.C.E.-Hydrology			Water		
DRAWING NO. 3098			SHEET 9 OF 12		

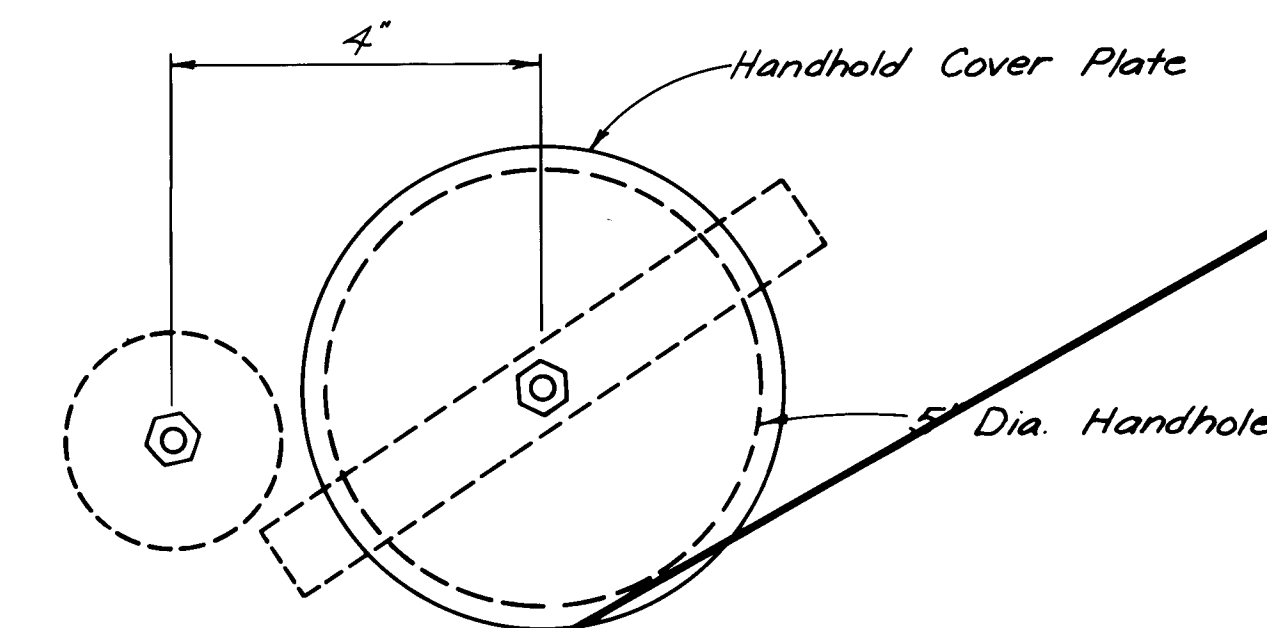


- (31) ANODE ASSEMBLIES CONTAINING 6 (1 1/8" x 9") TYPE FW DURIION ANODES ON A 69' RADIUS, 2' OFF BOTTOM.
 - (25) ANODE ASSEMBLIES CONTAINING 2 (1 1/8" x 9") TYPE FW DURIION ANODES ON A 55' RADIUS, 2' OFF BOTTOM.
 - (18) ANODE ASSEMBLIES CONTAINING 2 (1 1/8" x 9") TYPE FW DURIION ANODES ON A 41' RADIUS, 2' OFF BOTTOM.
 - (13) ANODE ASSEMBLIES CONTAINING 2 (1 1/8" x 9") TYPE FW DURIION ANODES ON A 29' RADIUS, 2' OFF BOTTOM.
 - (7) ANODE ASSEMBLIES CONTAINING 2 (1 1/8" x 9") TYPE FW DURIION ANODES ON A 15' RADIUS, 2' OFF BOTTOM.
 - (2) CuCuSO₄ PERMANENT REFERENCE ELECTRODES
 - (1) RING RECTIFIER 50 VOLTS 72 AMPS
 - (1) PIN RECTIFIER 12 VOLTS 30 AMPS
- ALL CABLE TO BE #8TW STRANDED.
- ALL ANODE STRING CABLE TO BE #8 STRANDED CATHODIC PROTECTION HIGH DENSITY INSULATED.

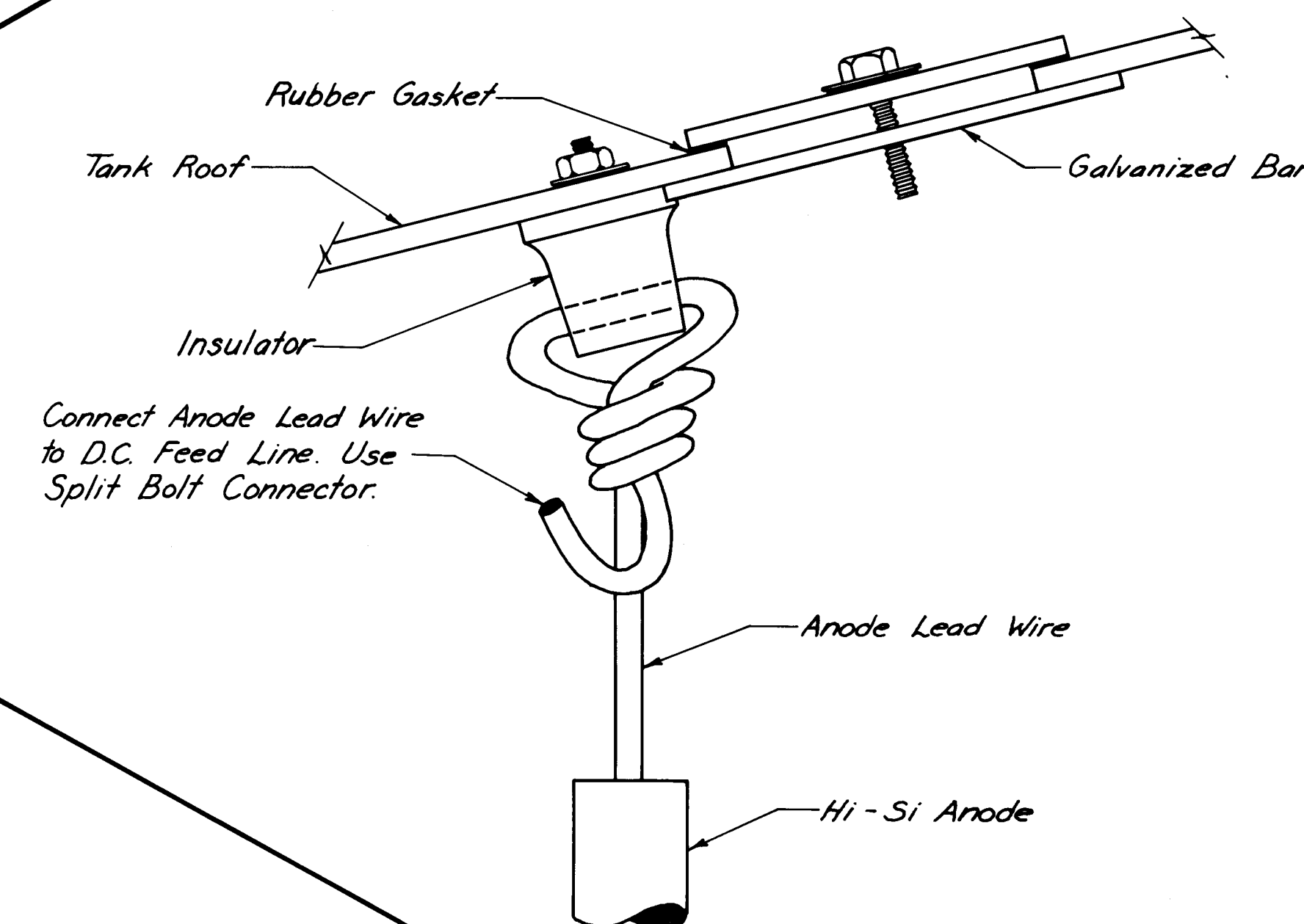
86' RADIUS TANK



- (1) 1" DIA. VALVE COUPLERS
- (2) 1" DIA. VALVE COUPLERS
- (3) 1" DIA. VALVE COUPLERS
- (4) 1" DIA. VALVE COUPLERS
- (5) 1" DIA. VALVE COUPLERS
- (6) 1" DIA. VALVE COUPLERS
- (7) 1" DIA. VALVE COUPLERS
- (8) 1" DIA. VALVE COUPLERS
- (9) 1" DIA. VALVE COUPLERS
- (10) 1" DIA. VALVE COUPLERS
- (11) 1" DIA. VALVE COUPLERS
- (12) 1" DIA. VALVE COUPLERS



PLAN
Not to Scale



SECTION
Not to Scale

CATHODIC PROTECTION SYSTEM NOT INSTALLED

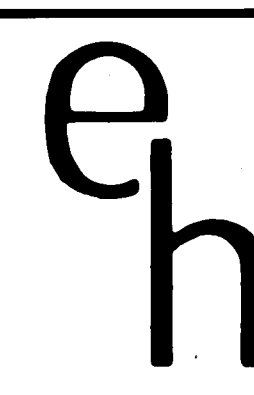
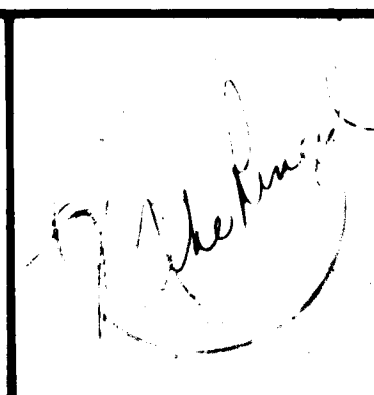
SUSPENDED ANODE

26 30981089

NOTE: CATHODIC PROTECTION SYSTEM
NOT INSTALLED

NO.	REVISION	BY	DATE

DESIGNED BY _____
 DRAWN BY _____
 CHECKED BY _____
 APPROVED BY _____
 DATE _____



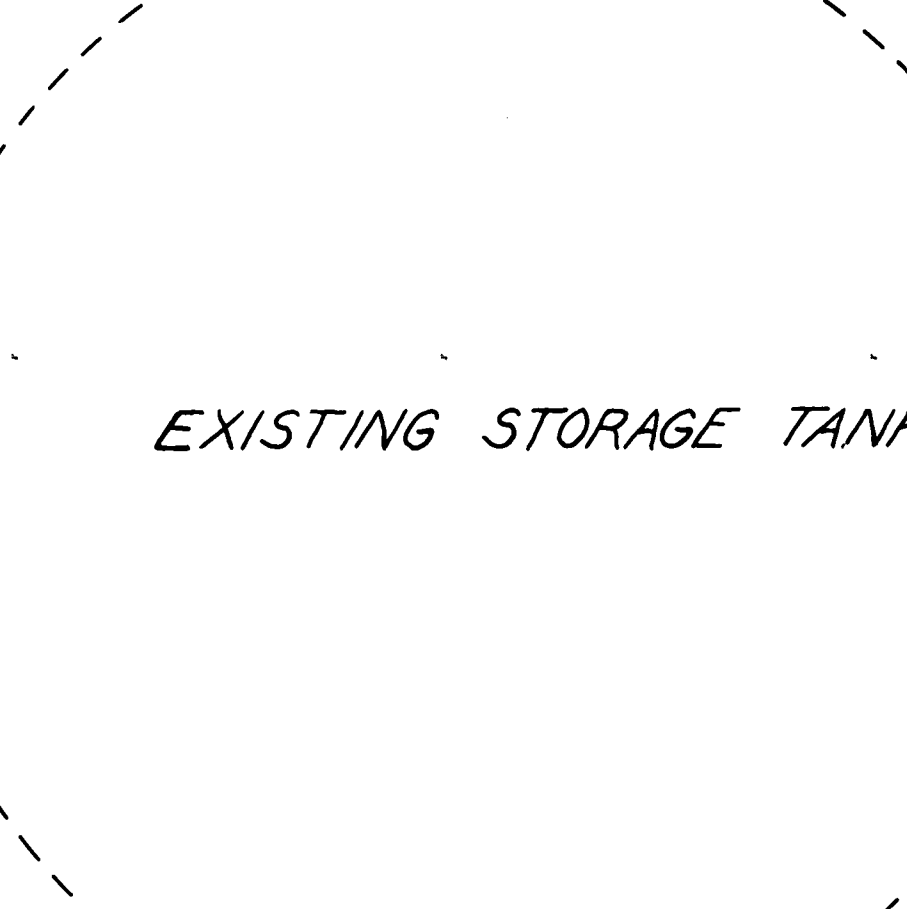
ESPEY, HUSTON & ASSOCIATES, INC.

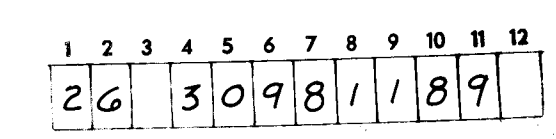
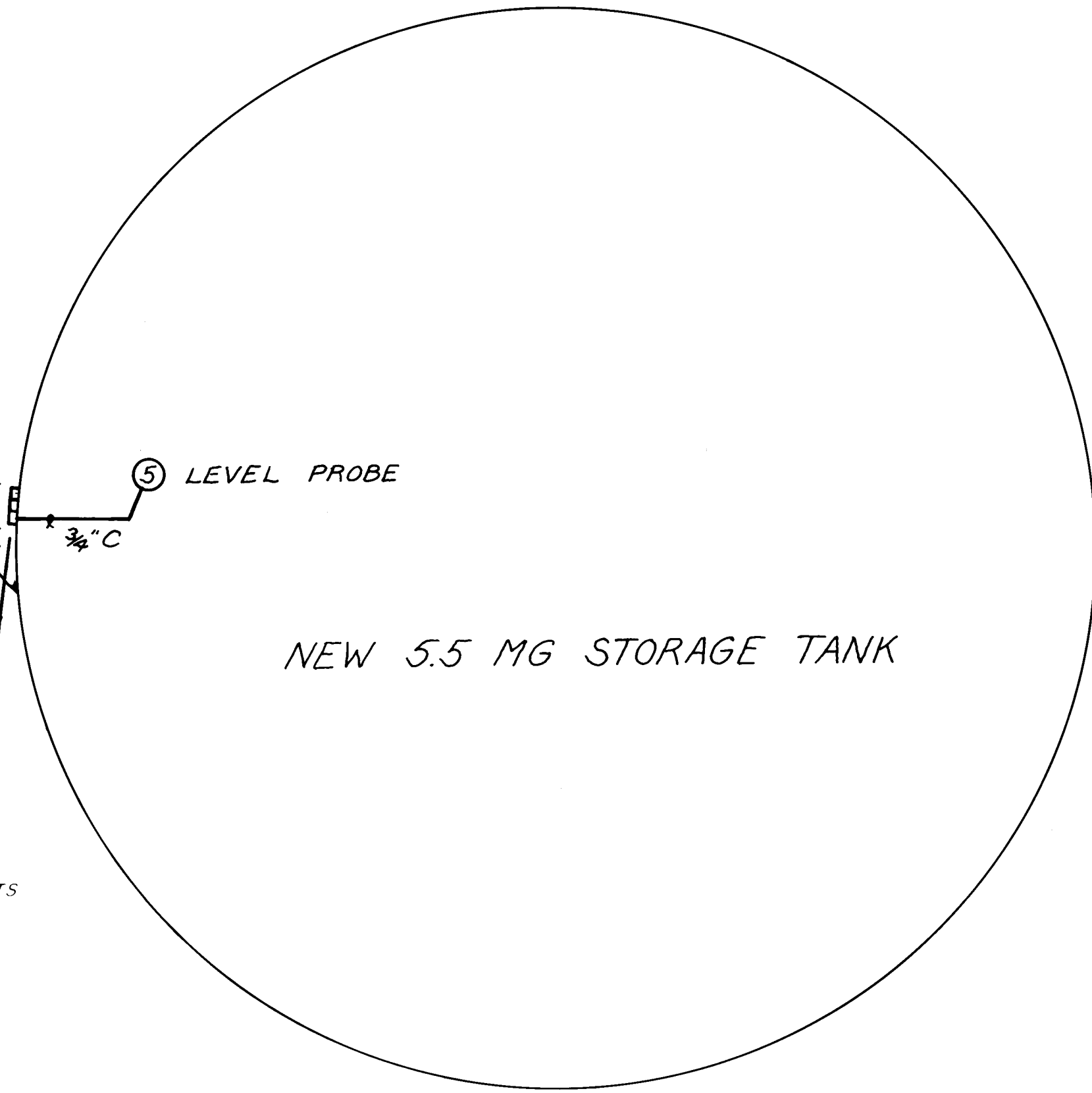
Engineering & Environmental Consultants

4801 INDIAN SCHOOL ROAD N.E. SUITE 204
 ALBUQUERQUE, NEW MEXICO 87110 PHONE (505) 255-1625

CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT ENGINEERING DIVISION					
TITLE: KIVA RESERVOIR 2 CATHODIC PROTECTION DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		
DRAWING NO. 3098			SHEET 10 OF 12		
CITY ENGINEER DATE					

APPROVED FOR
CONSTRUCTION

- 
- EXISTING STORAGE TANK



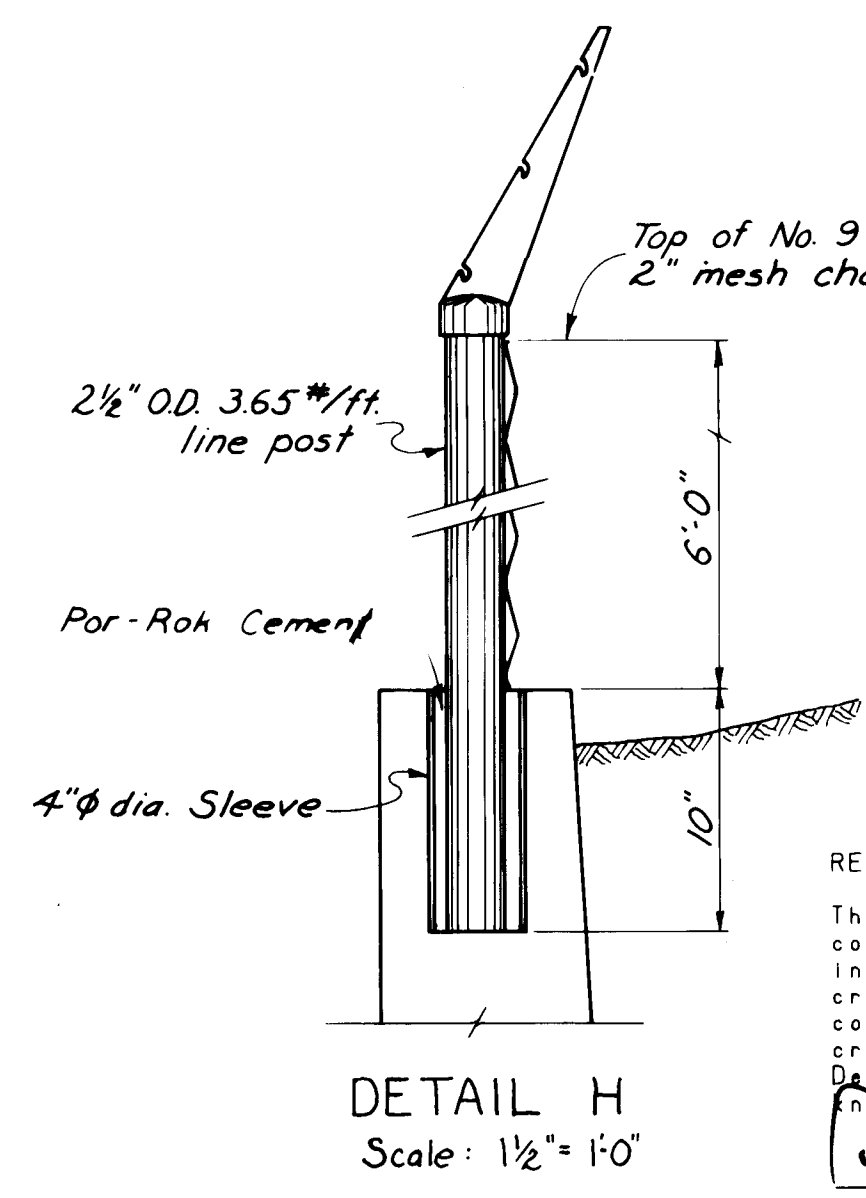
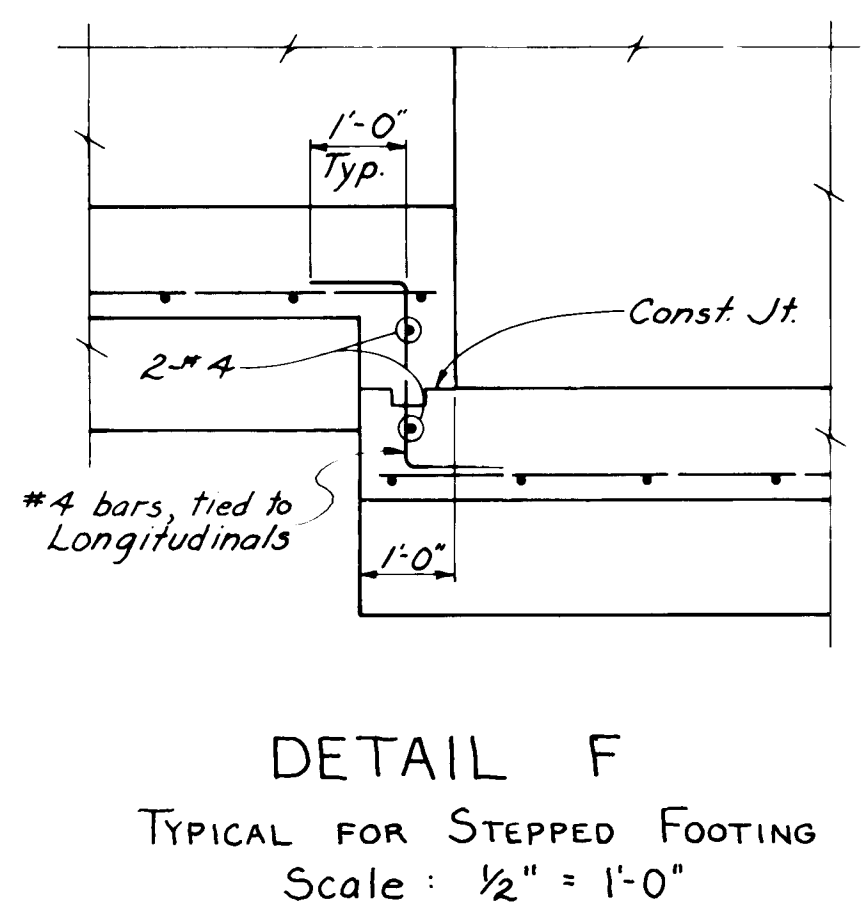
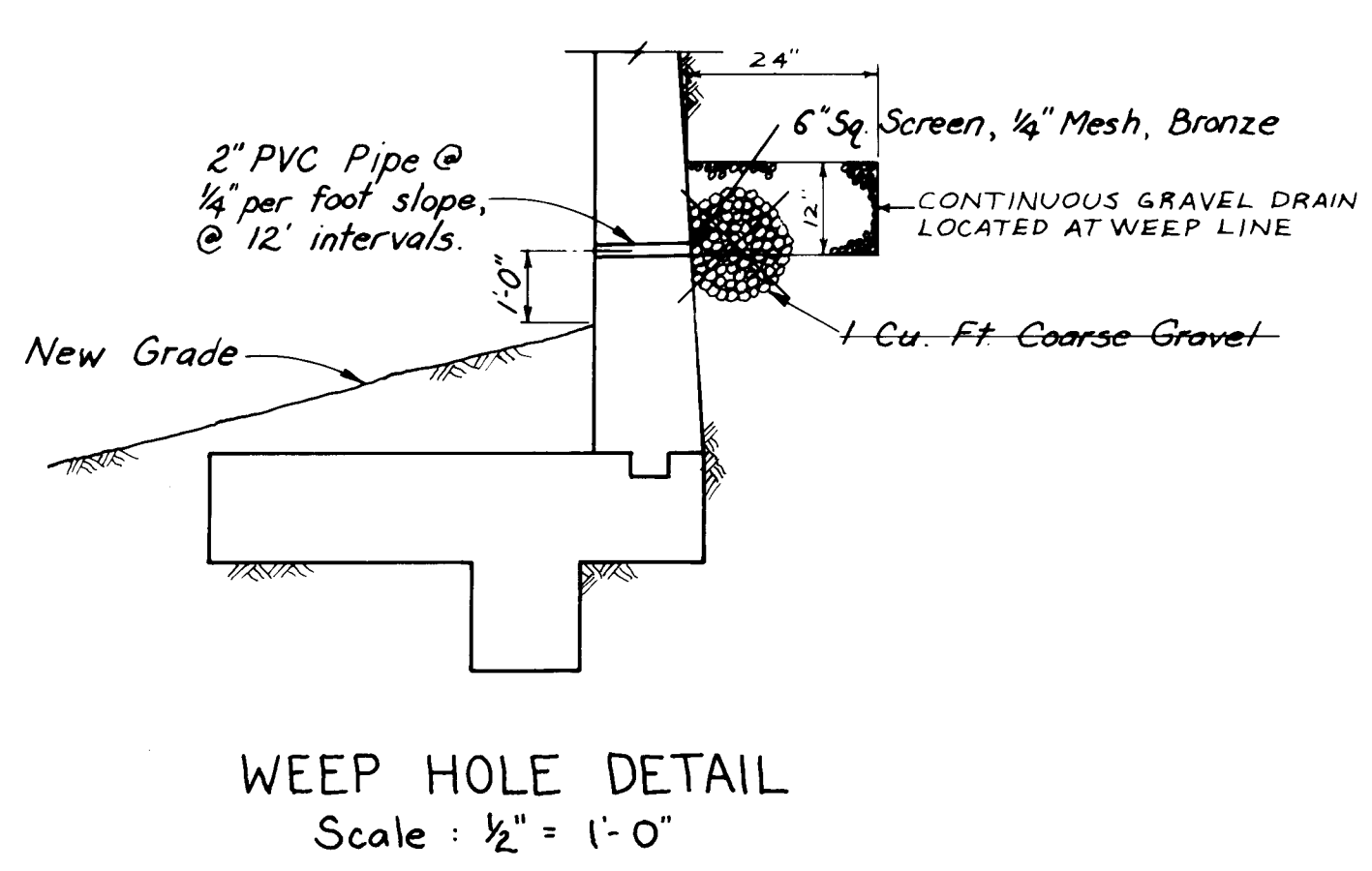
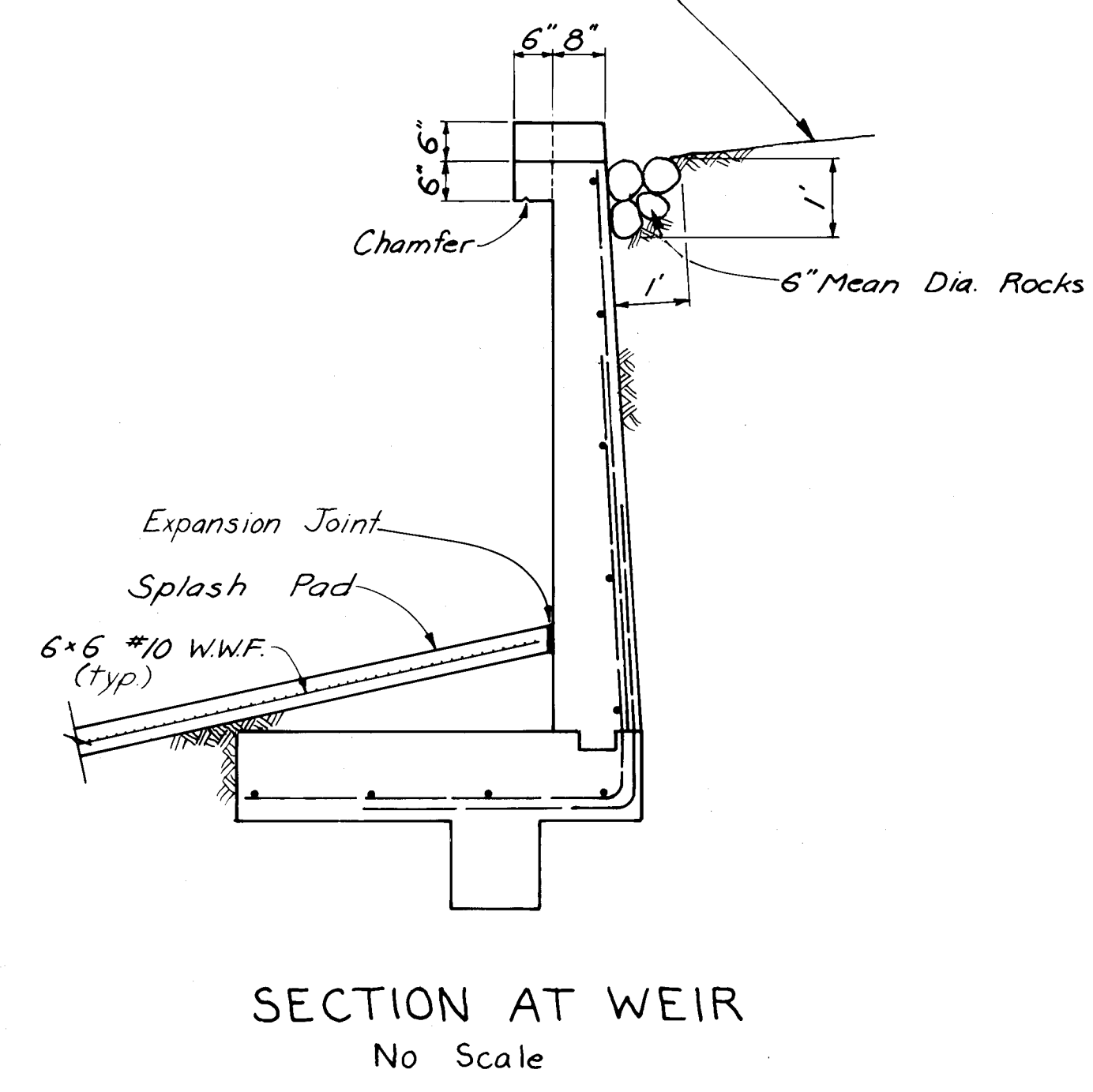
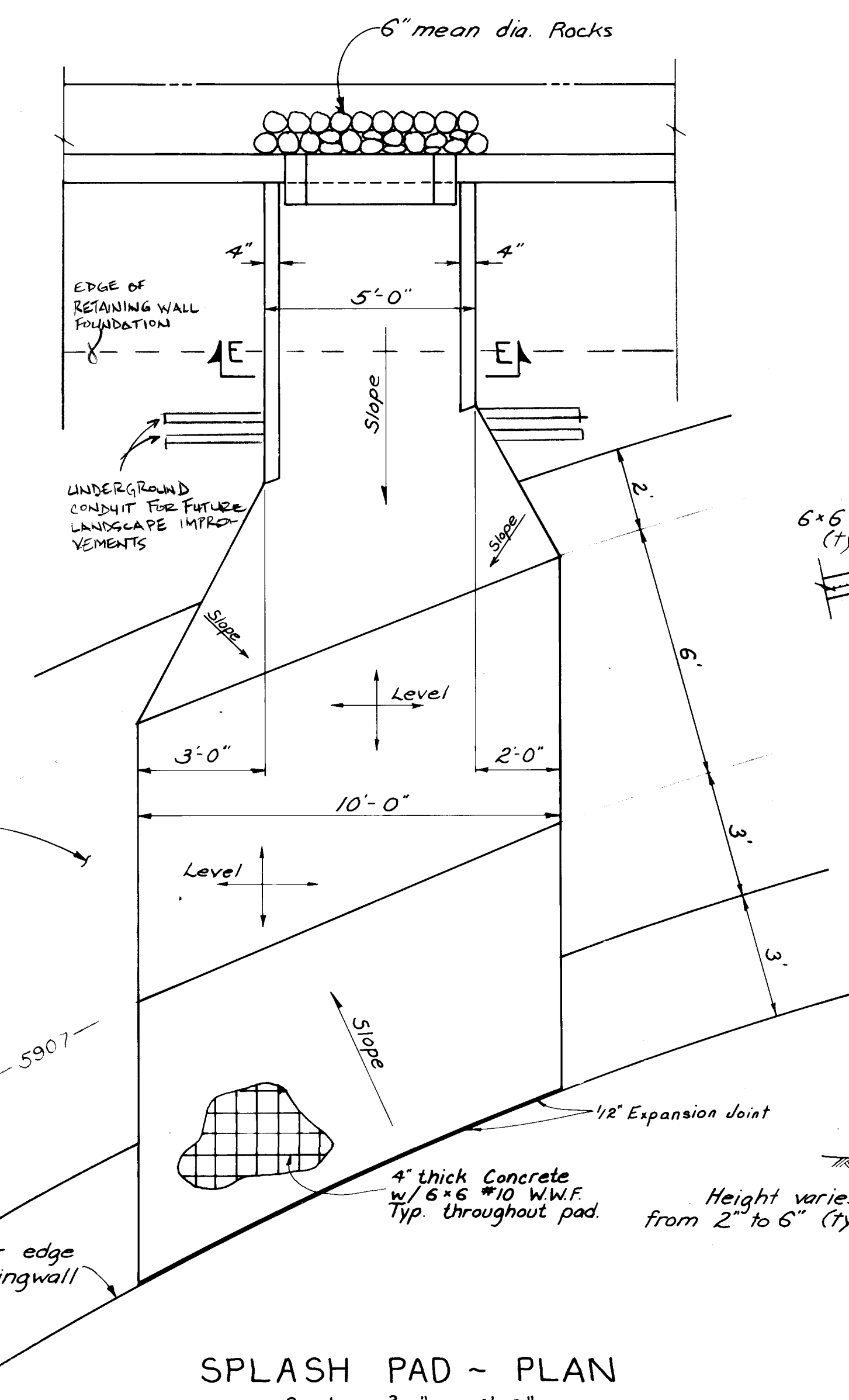
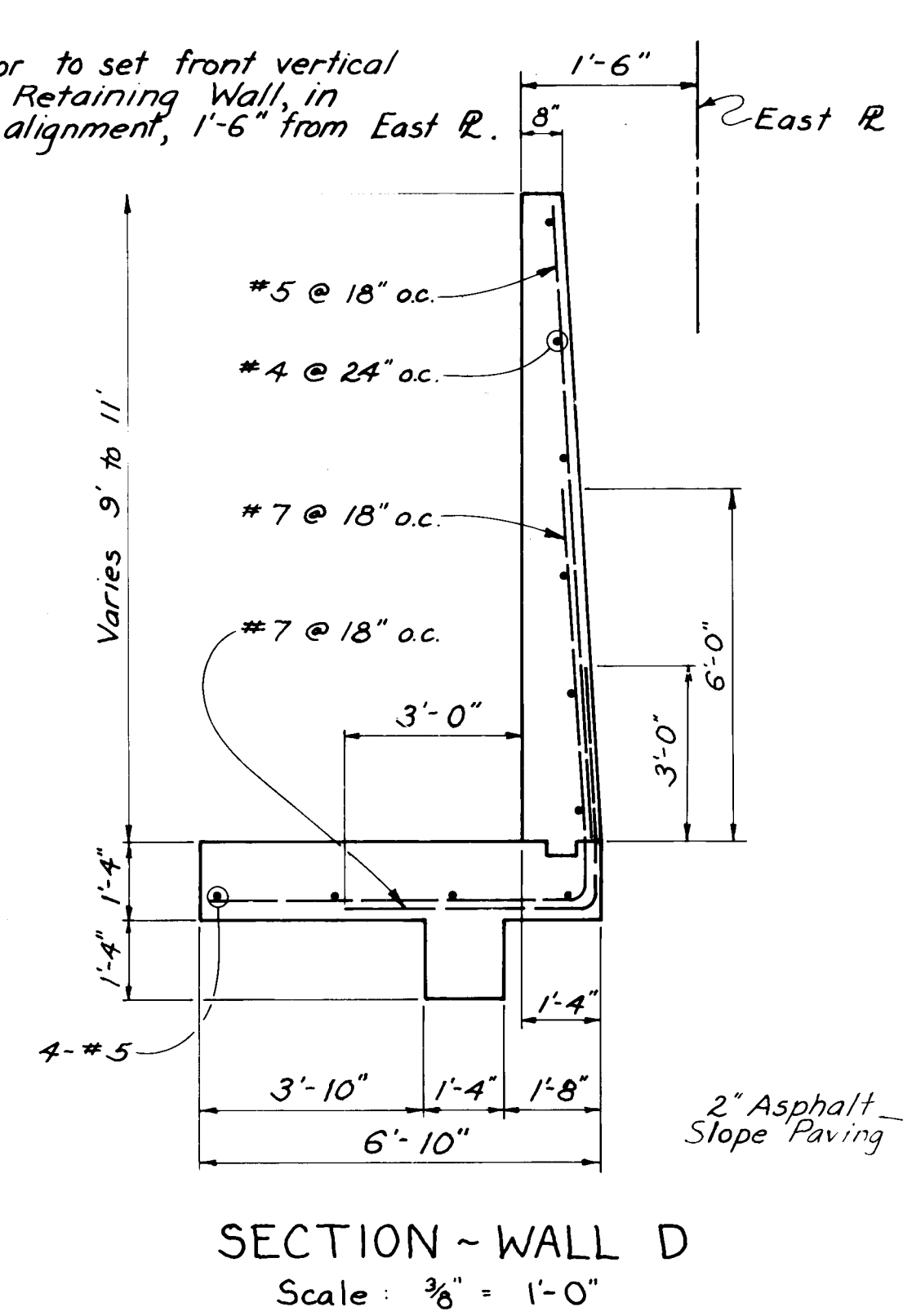
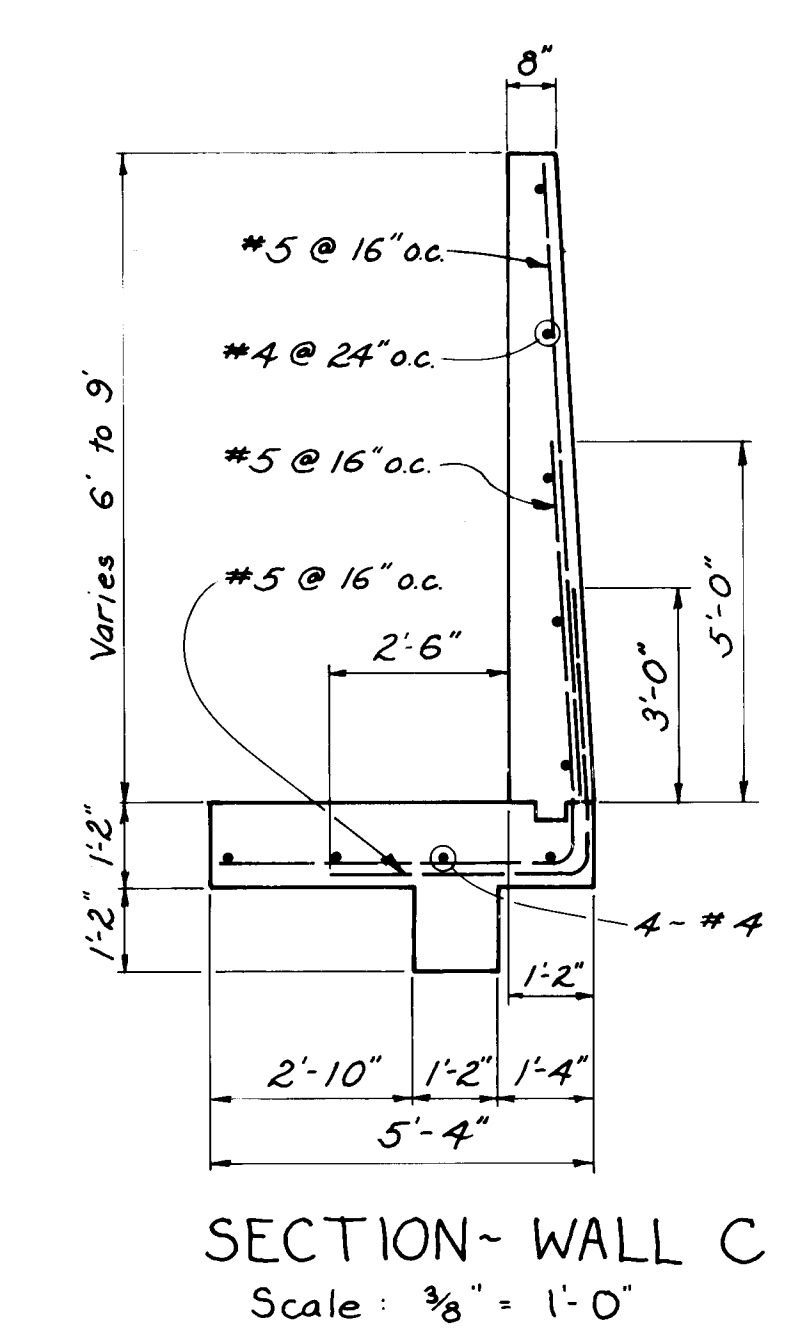
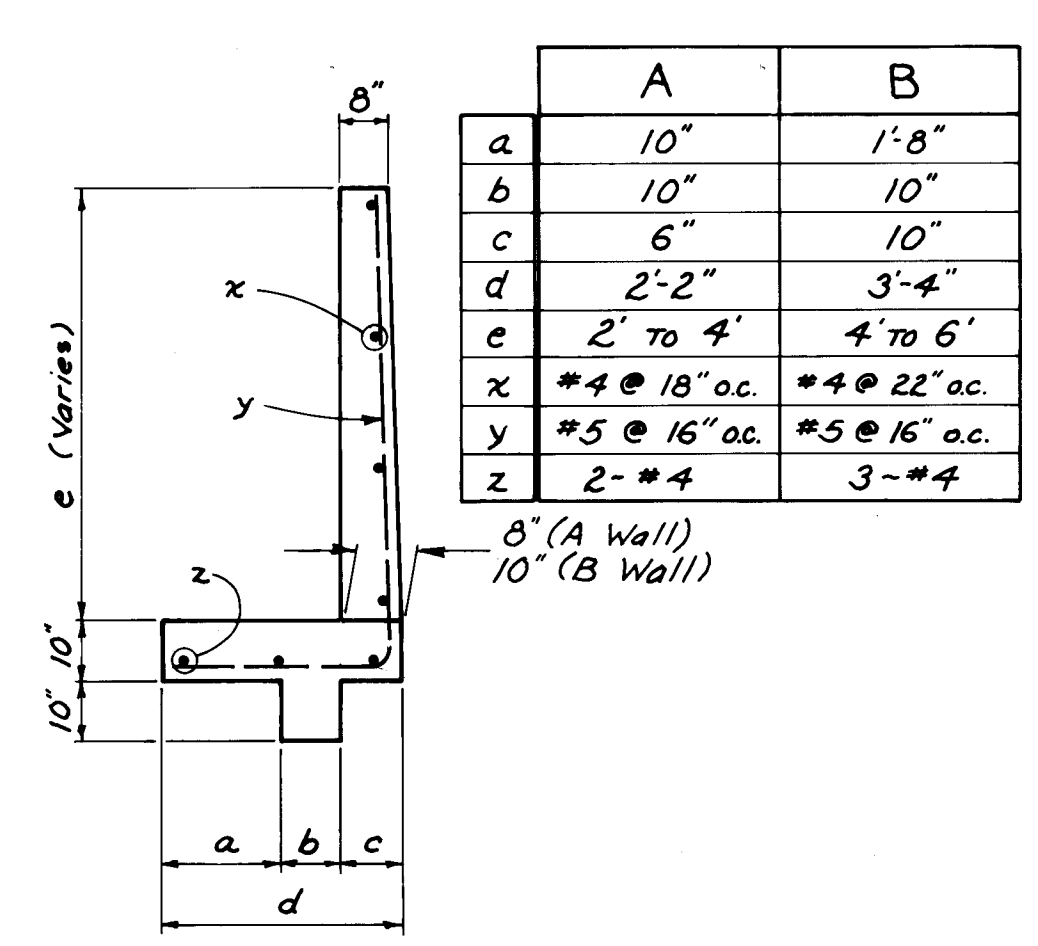
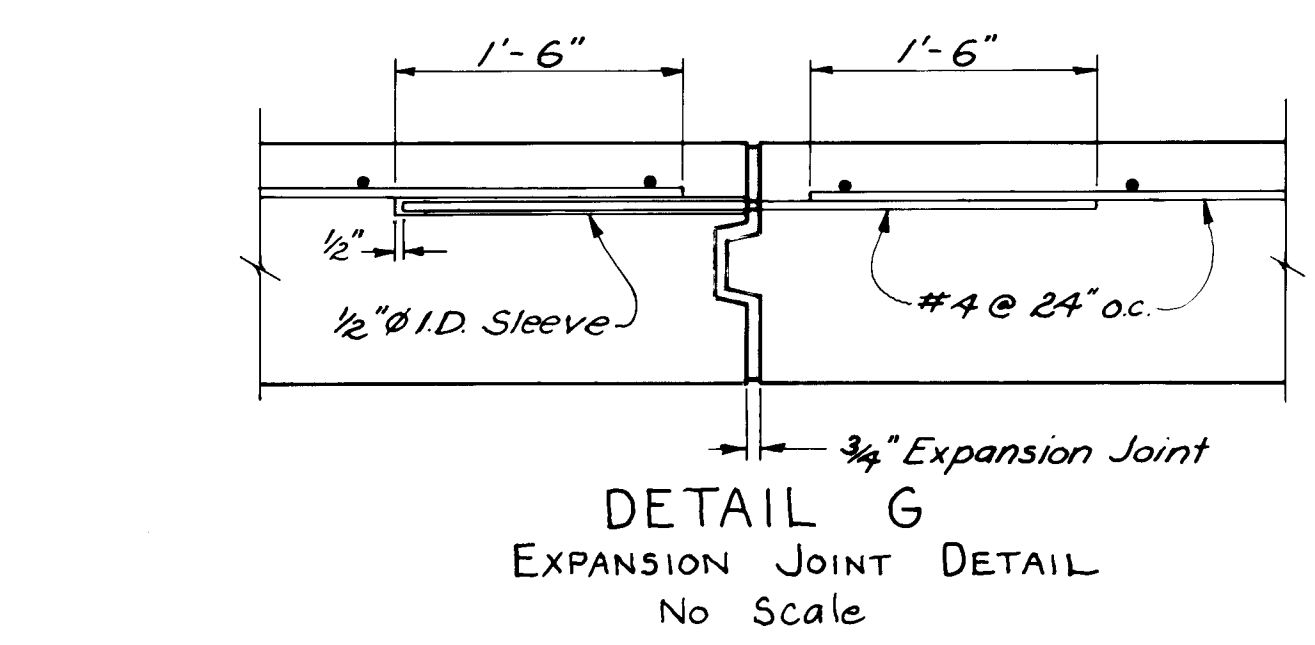
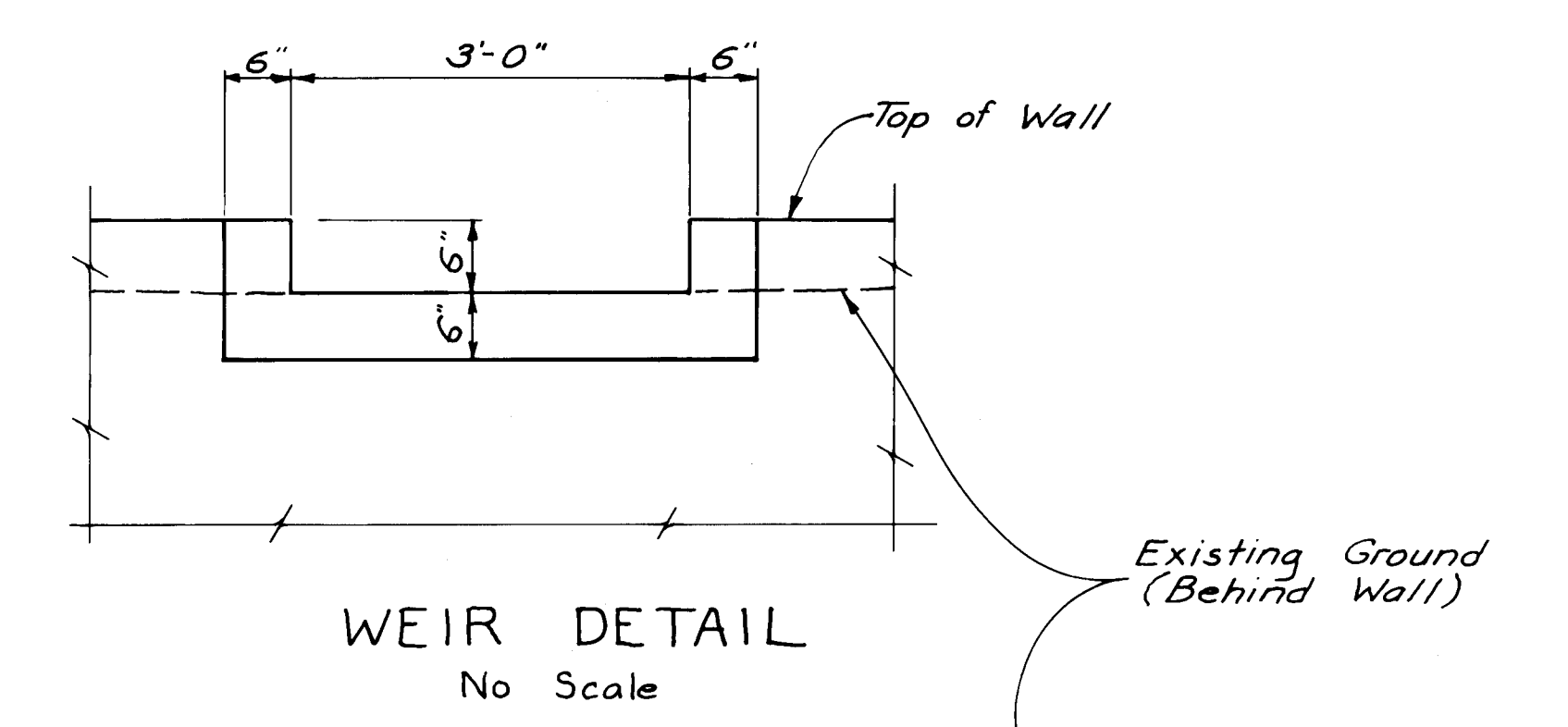
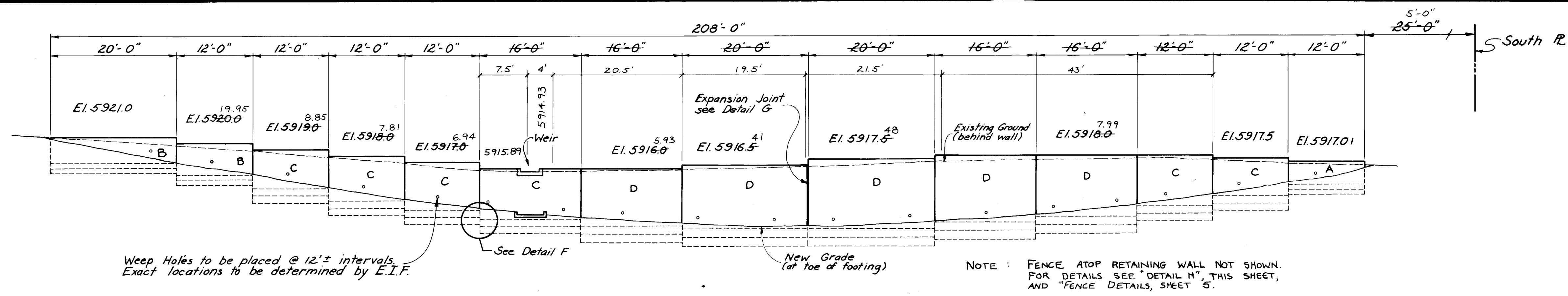
	CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT ENGINEERING DIVISION					
	TITLE: KIVA RESERVOIR 2 ELECTRICAL LAYOUT					
	APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
	City Engineer			Liquid Waste		
APPROVED FOR CONSTRUCTION	A.C.E.- Design			Traffic		
	A.C.E.-Hydrology			Water		
CITY ENGINEER	DATE	DRAWING NO. 3098			SHEET 11 OF 12	

						DESIGNED BY _____
						DRAWN BY _____
						CHECKED BY _____
						APPROVED BY _____
						DATE _____
NO.		REVISION		BY	DATE	

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4801 INDIAN SCHOOL ROAD N.E. SUITE 204
ALBUQUERQUE, NEW MEXICO 87110 PHONE (505) 255-1625



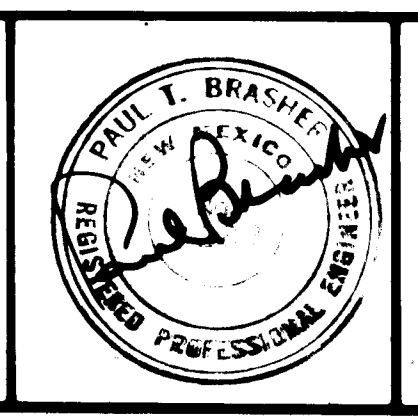
RECORD DRAWING

This drawing as modified shows public improvements as constructed. These modifications have been made using information and measurements obtained by EH&A's field survey crew, the Contractor and City Inspector. The modifications conform to the minimum requirements for record drawing criteria as required by the City of Albuquerque per Development Process Manual Section 27.4 to the best of my knowledge and belief.

Paul J. Brasher, P.E. 7-6-88

NO.	REVISION	BY	DATE

DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 APPROVED BY: _____
 DATE: _____

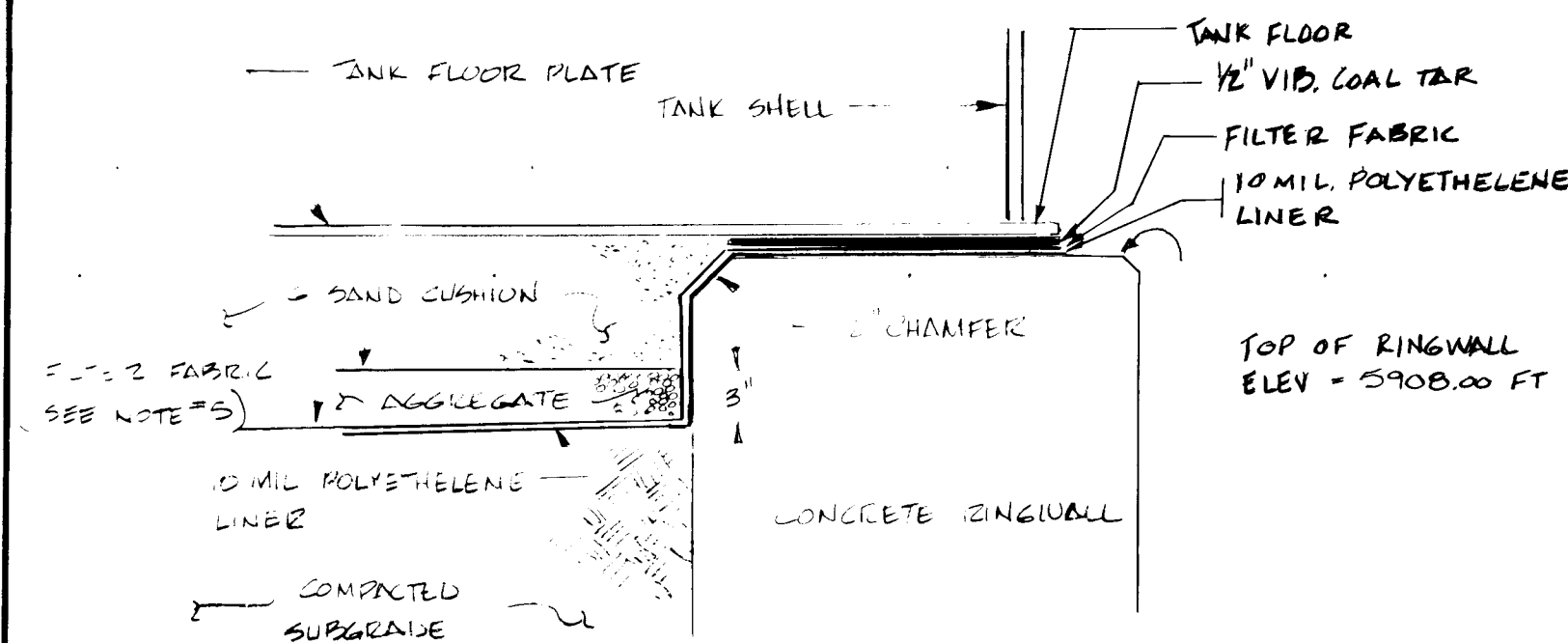


ESPEY, HUSTON & ASSOCIATES, INC.
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 4801 INDIAN SCHOOL ROAD N.E. SUITE 204
 ALBUQUERQUE, NEW MEXICO 87110 PHONE (505) 255-1625

APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

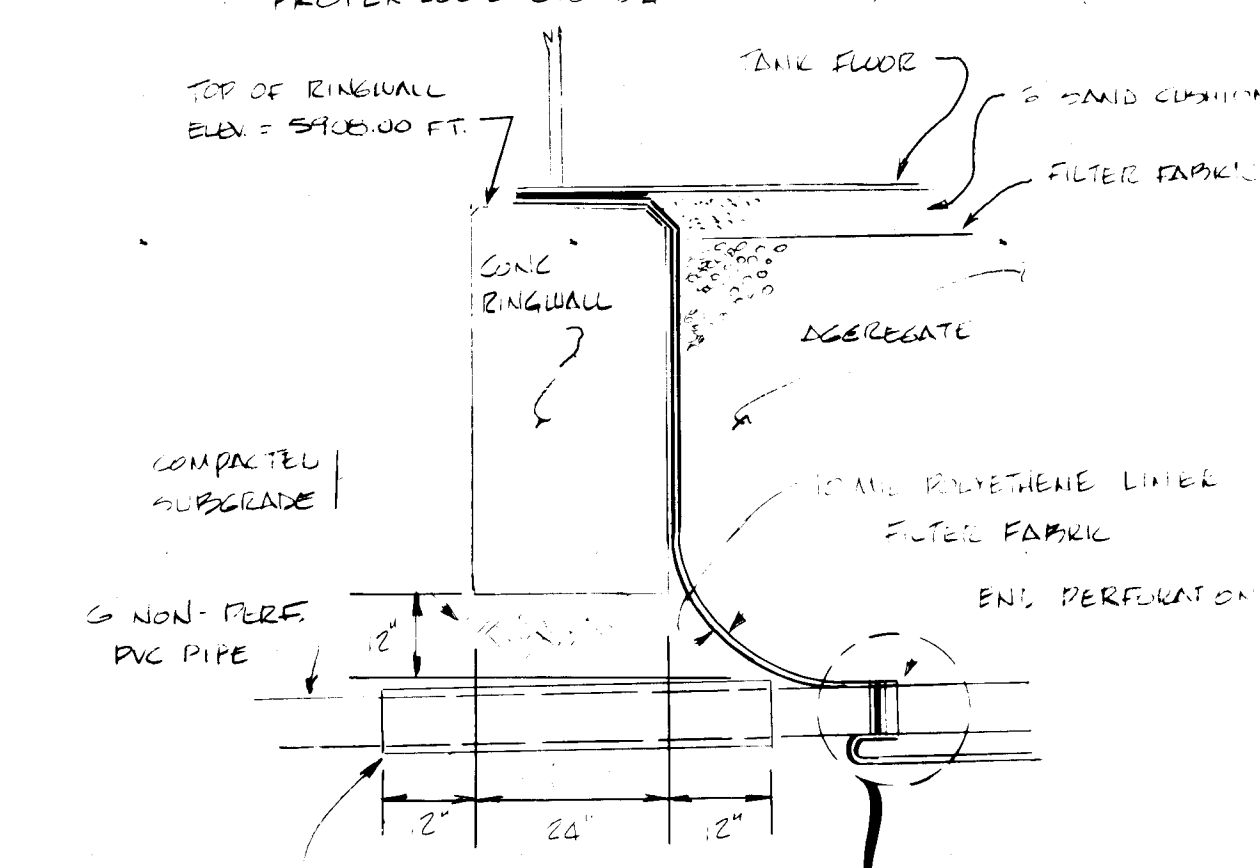
CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT ENGINEERING DIVISION					
TITLE: KIVA RESERVOIR 2 RETAINING WALL DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E.-Design			Traffic		
A.C.E.-Hydrology			Water		
DRAWING NO.	3098			SHEET	12 OF 12



DETAIL 'A'

NOTES

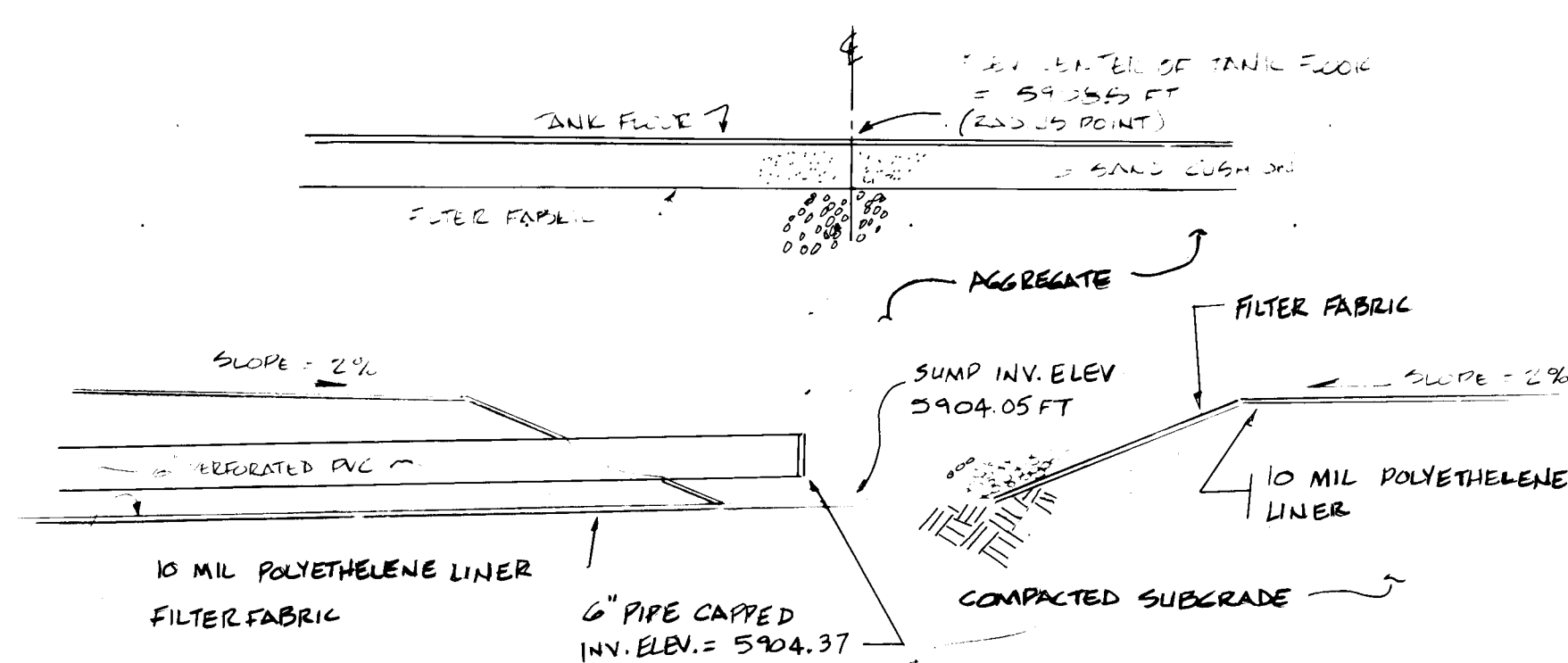
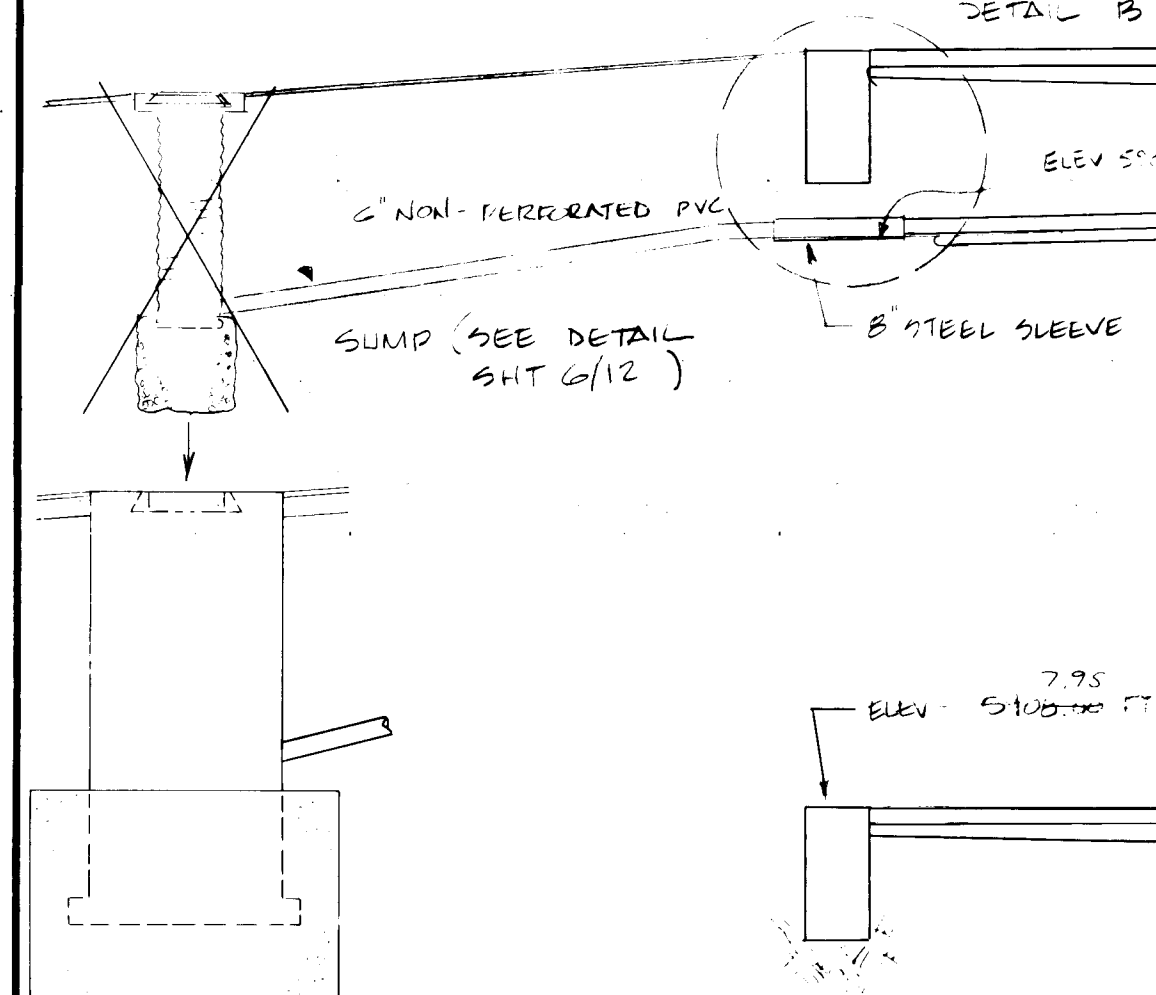
1. RINGWALL TO BE CONSTRUCTED PER SHT 4/12 REINFT. M.S.
2. SUBGRADE TO BE COMPACTED TO 95% MOD. PROCTOR (A.C. 111) - 1957,
3. BASE OF AGGREGATE SLOPES DOWN TO TANK CENTER @ SLOPE = 2%
4. PERFORATED PVC TO BE SCHEDULE 80.
5. FILTER FABRIC LAYER BETWEEN SAND CUSHION AND AGGREGATE SHALL BE NON-WOVEN AMOCO DRAINAGE AG45, 4.5 LB/50 YL, OR APPROVED EQUAL. FILTER FABRIC LAYER BENEATH AGGREGATE SHALL BE EITHER NON-WOVEN AMOCO AG45 OR WOVEN AMOCO PROPER 2002 5.0 LB PER 50 YL, OR APPROVED EQUAL.



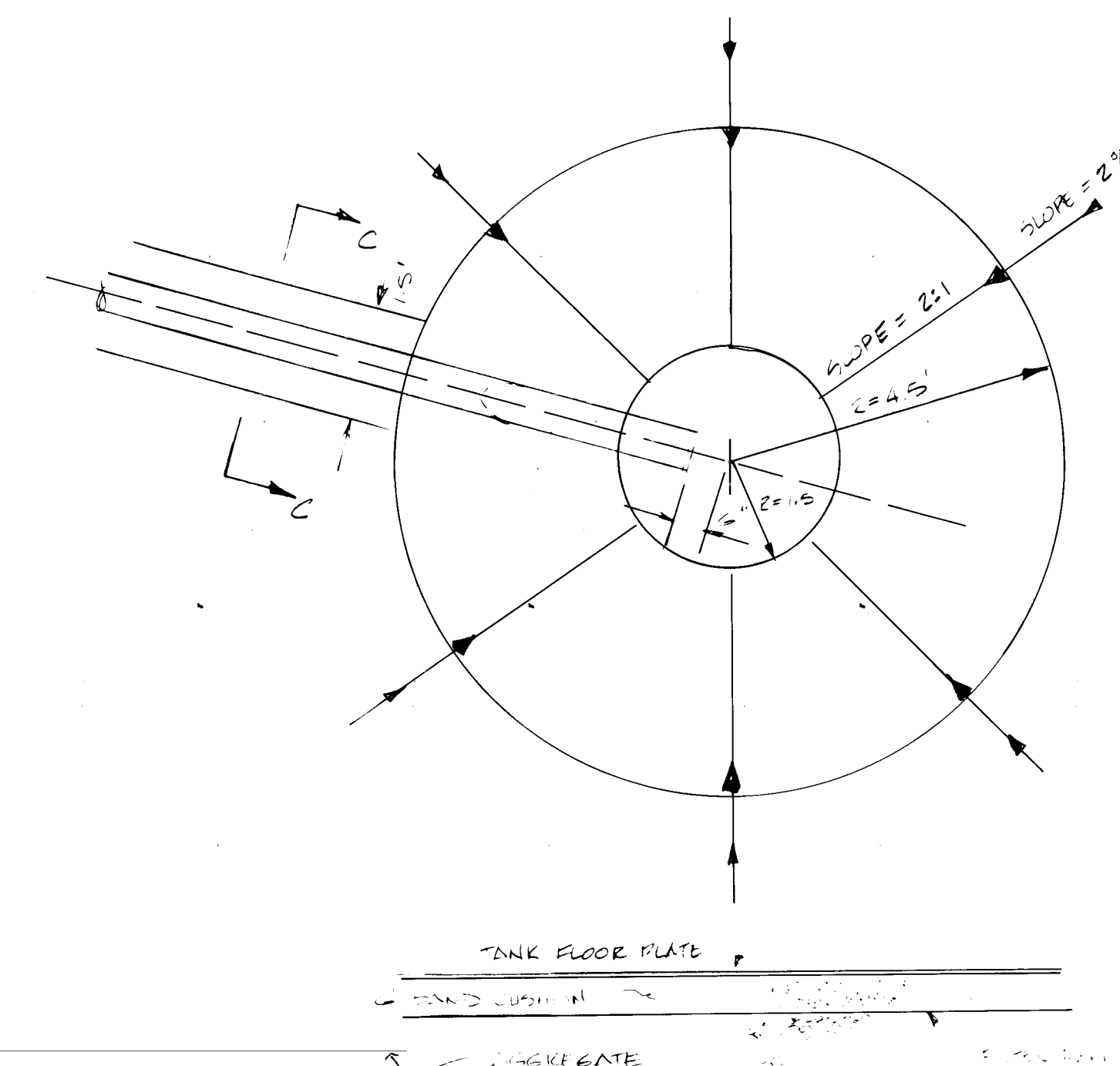
6" STEEL SLEEVE SHALL BE WELDED TO RINGWALL

DETAIL 'B'

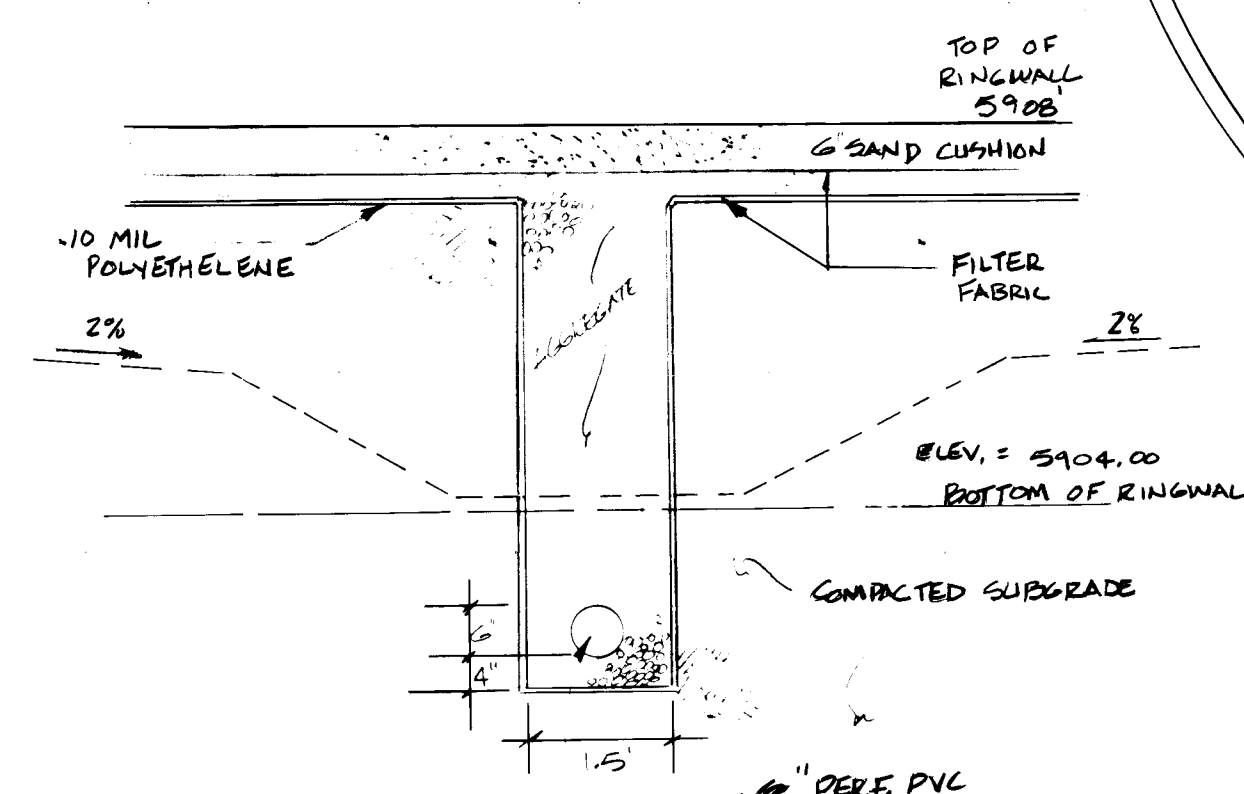
DETAIL 'B'



SECTION A-A
SCALE 1" = 50'



SECTION B-B
SCALE 1" = 50'



SECTION D-D
SCALE 1" = 20'

RECORD DRAWING

This drawing, as modified shows public improvements as constructed. These modifications have been made using information and measurements obtained by EHS&A's field survey crew, the Contractor and City Inspector. The modifications conform to the minimum requirements for record drawing criteria as required by the City of Albuquerque per Development Process Manual Section 27.4 to the best of my knowledge and belief.

Paul Brasher, P.E. 7282

7566

Date

26 309812894

NO.	REVISION	BY	DATE

DESIGNED BY: J.T.B.
 DRAWN BY: P.T.B.
 CHECKED BY: J.T.B.
 APPROVED BY:
 DATE: 3-87

Paul Brasher
 eh

ESPEY, HUSTON & ASSOCIATES, INC.
 Engineering & Environmental Consultants
 4801 INDIAN SCHOOL ROAD N.E. SUITE 204
 ALBUQUERQUE, NEW MEXICO 87110. PHONE (505) 255-1625

KIVA RESERVOIR
 REVISED FOUNDATION AND TANK UNDERDRAIN SYSTEM

SHEET NO. 12 A
 OF 12 A SHEETS
 FILE NO. 26 309812894