

ATTACHMENT IV-1

TANK DRAWINGS

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IV.A. Stabilization Tank System

IV.A.1. The Stabilization Tank System includes the following tanks:

1. Stabilization Tank 1 (Tank 122-TN-001), which is the west tank;
2. Stabilization Tank 2 (Tank 122-TN-002), which is the center tank; and
3. Stabilization Tank 3 (Tank 122-TN-003), which is the east tank.

The location of the tanks can be seen on Figure 4-1 of this attachment.

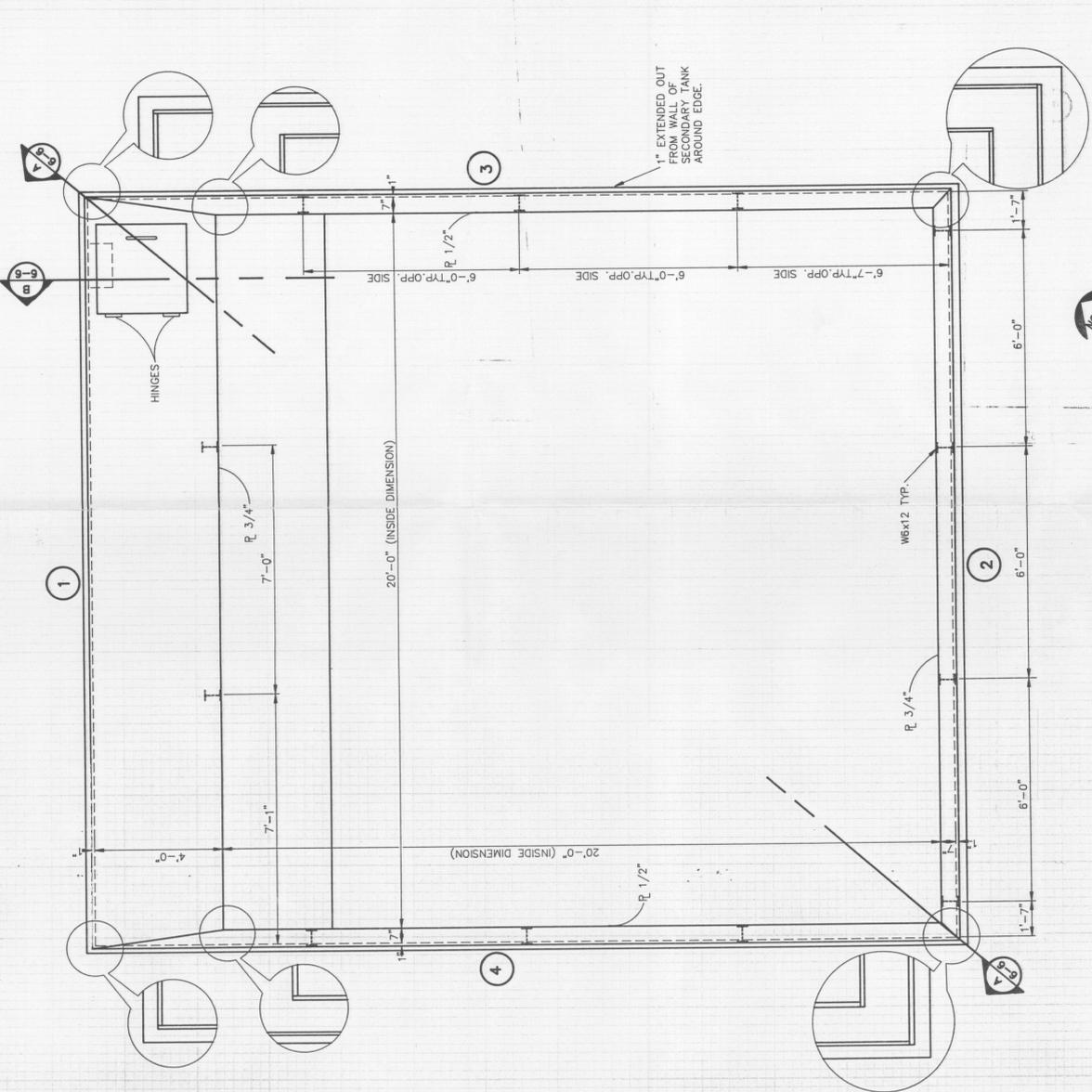
The Stabilization Tanks are double-walled and are supported by a reinforced concrete foundation. Secondary containment for the Stabilization Tanks is provided by a secondary tank which surrounds the side walls and floor of the primary tank in accordance with the requirements 40 CFR §264.193(e)(3). The floor of the secondary tank is sloped to drain a release from the primary tank and allow detection of the release within 24 hours.

The Pug Mill is an above-ground tank supported on a structural steel stand. The Pug Mill is located within a reinforced concrete secondary containment area. The secondary containment system for the Pug Mill has been designed and constructed in accordance with paragraph II.C of Attachment TAA of Module IV. Leak detection for the Pug Mill is provided by visual inspection of the area beneath the tank.

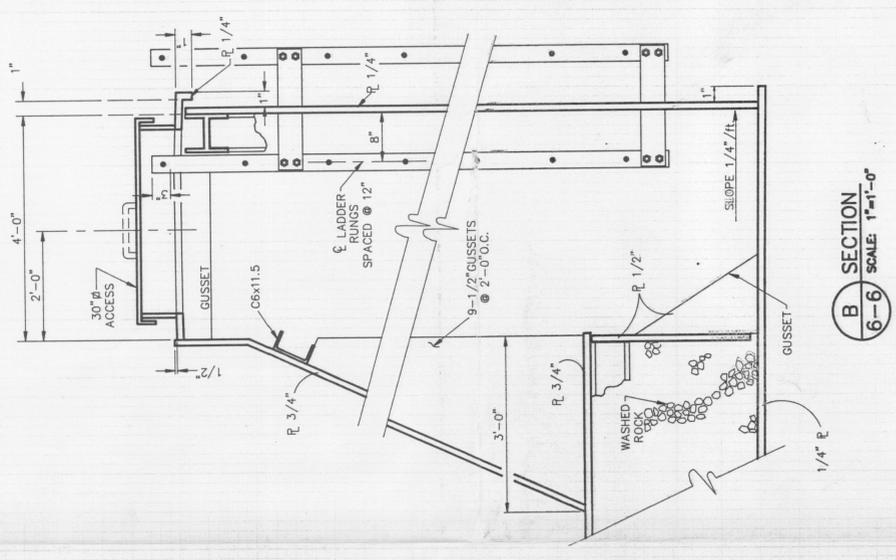
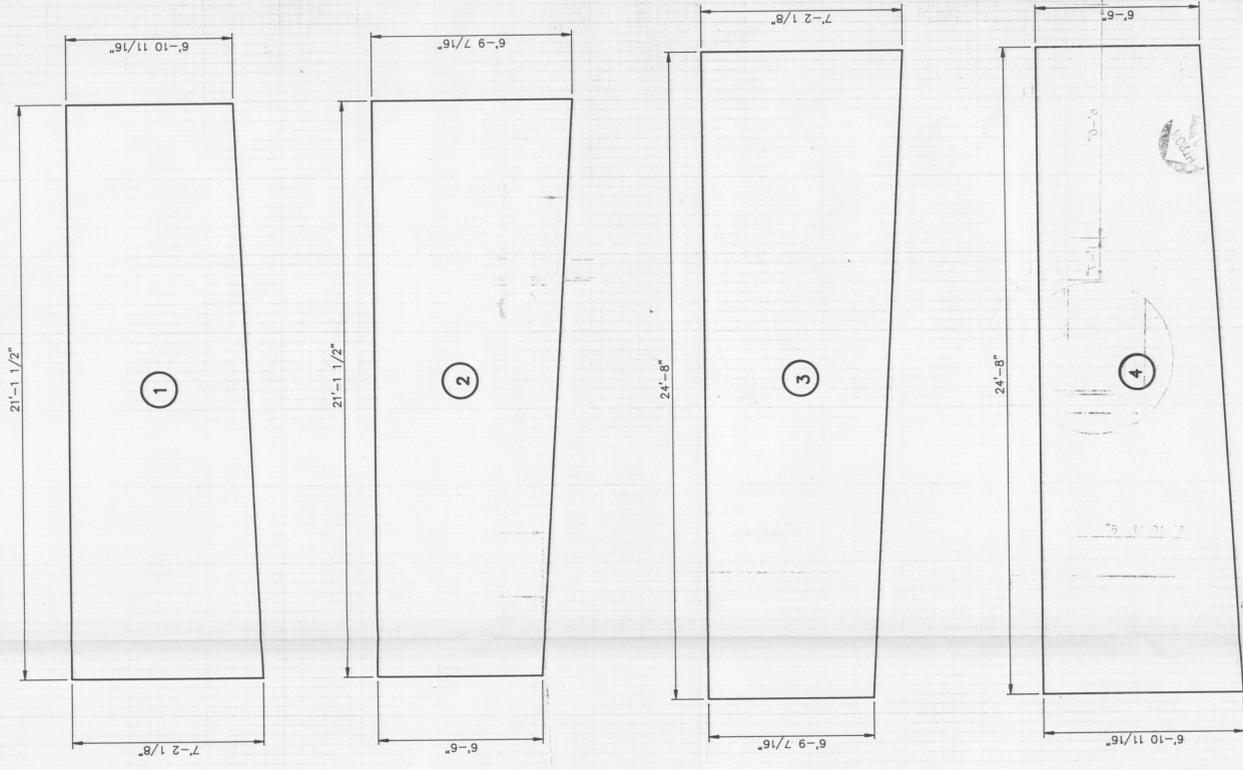
IV.A.2. Tank System Engineering Drawings

The following table identifies the drawing associated with the Stabilization Tanks and the Pug Mill.

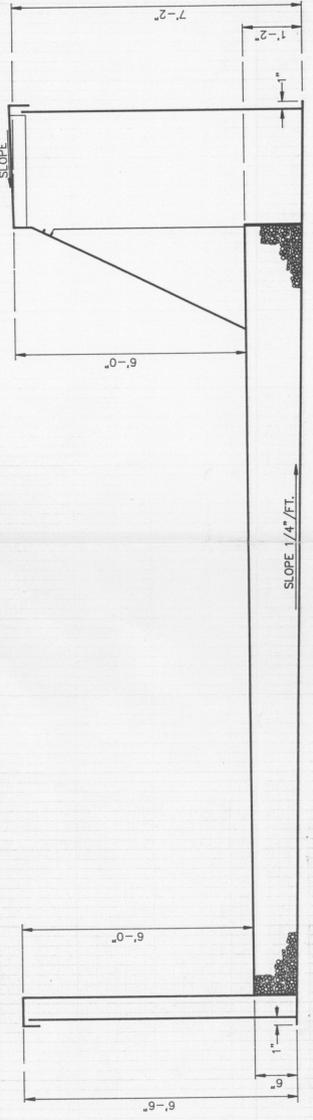
Unit Description	Drawing Number
Stabilization Tank Plan and Details	D-32-20-703
Stabilization Tanks; Secondary Tank Plan	D-32-20-704
Stabilization Tank Foundation Plan and Sections	D-32-20-201
Foundation Sections and Details	D-32-20-202
Pug Mill Plan and Elevations	D-32-20-401



STABILIZATION TANK PLAN VIEW
SCALE: 1/2"=1'-0"



NOTE: 4' TALL SPLASH GUARDS NOT SHOWN AROUND TOP PERIMETER OF TANK.



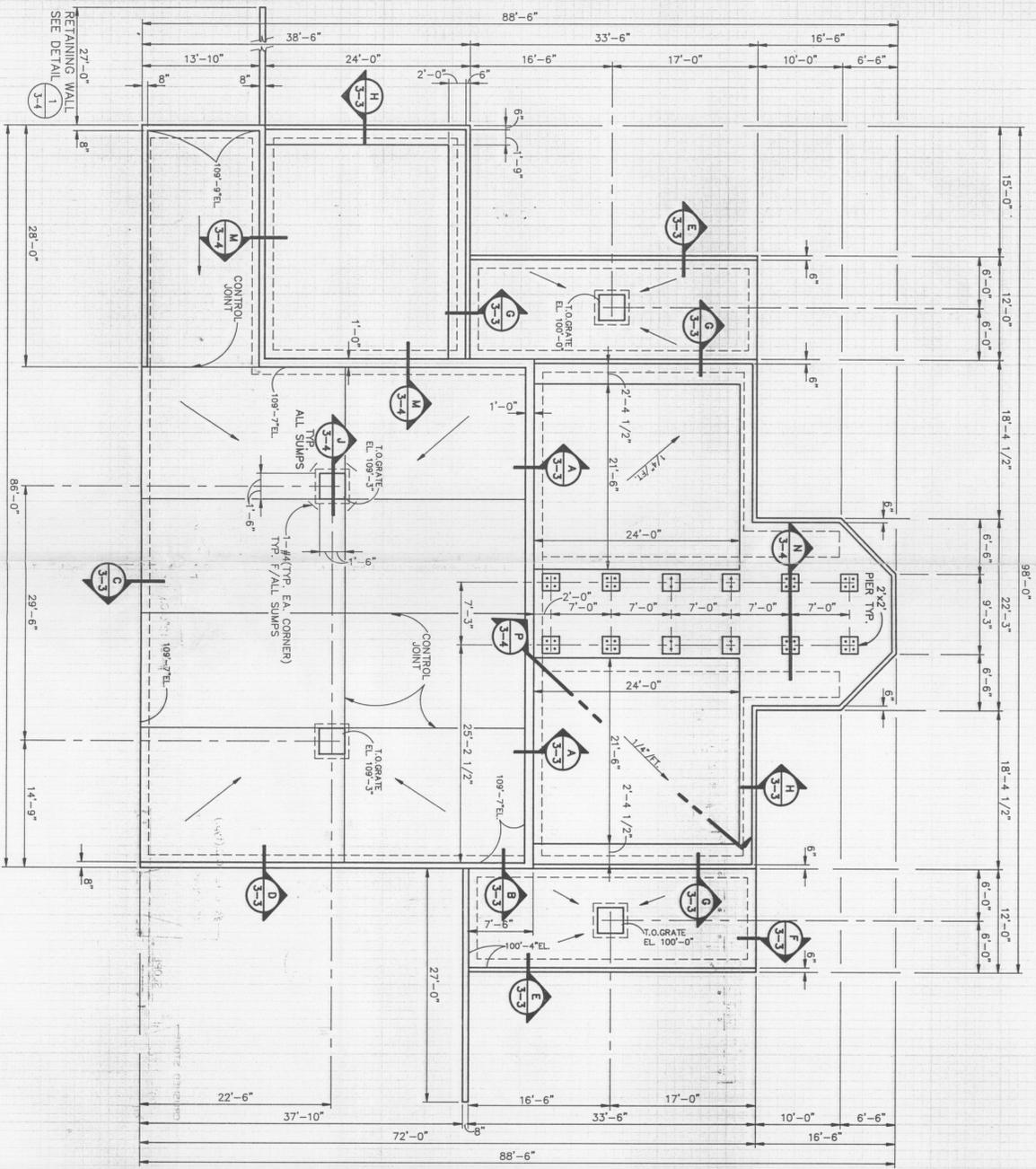
A SECTION
SCALE: 1/2"=1'-0"

NO.	DNW	DATE	REVISION	APPD	DATE

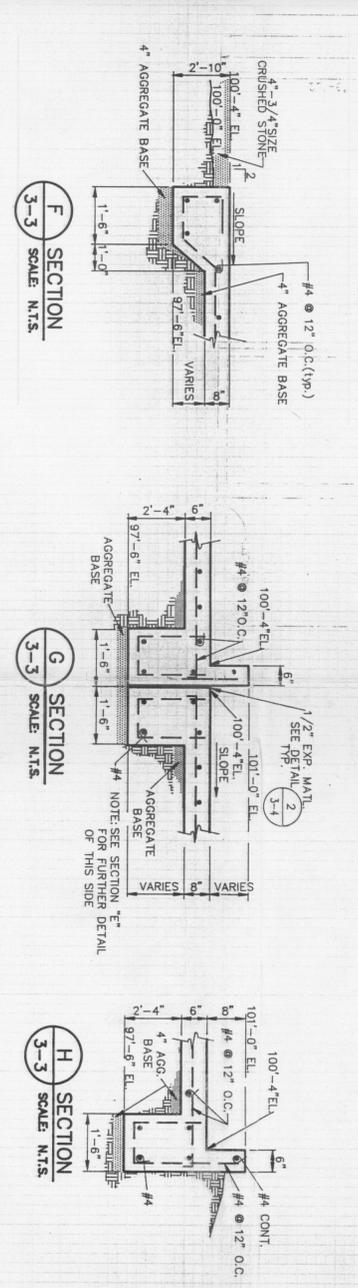
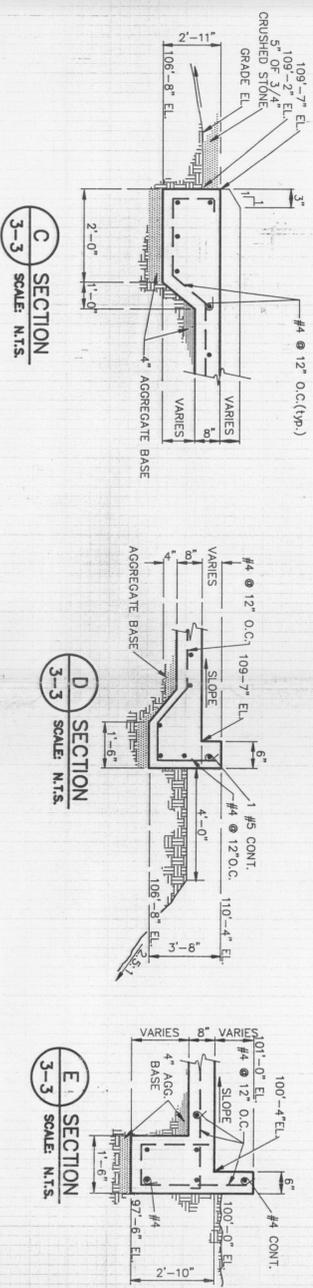
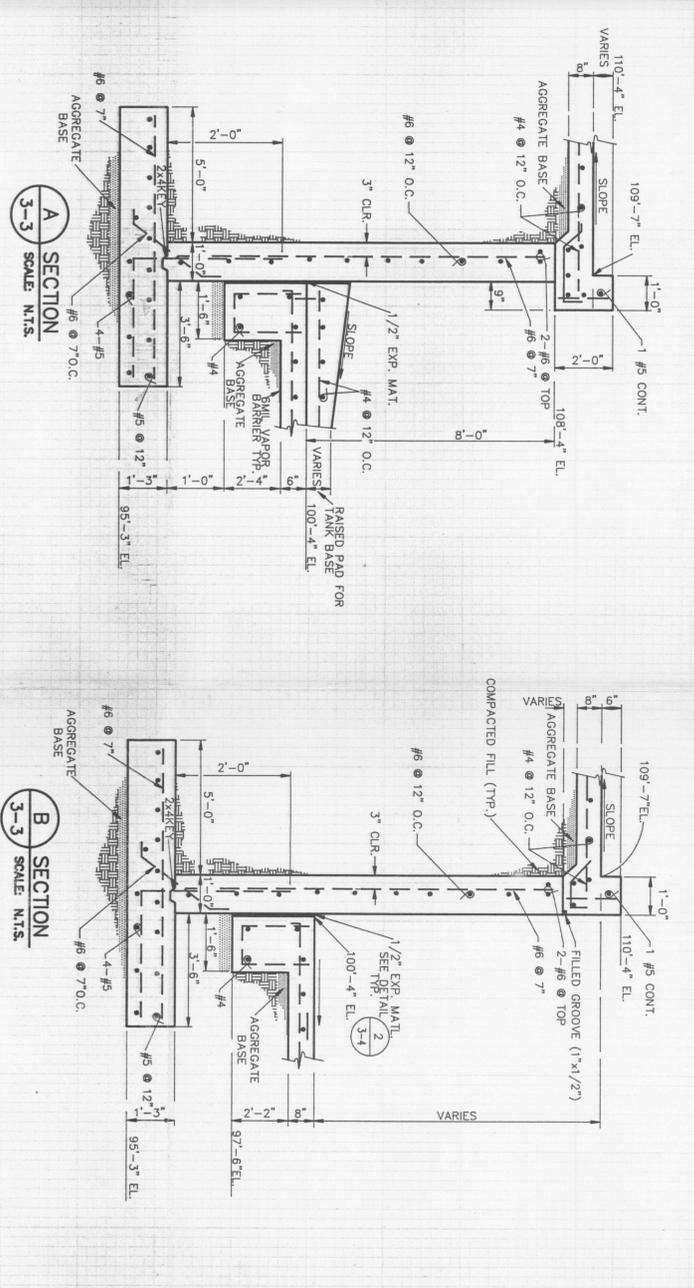
PROJECT NO.	DATE	SCALE	SEAL
DESIGNED BY	9/88	6-6	DWG. D-88-20-708
DRAWN BY			
CHECKED BY			

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U.S. POLLUTION CONTROL, INC.
GRASSY MOUNTAIN FACILITY
STABILIZATION TANK PLAN AND DETAILS

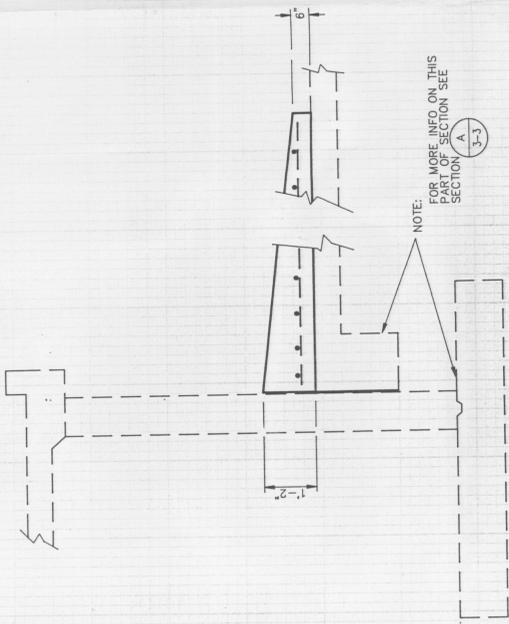


FOUNDATION PLAN
SCALE: 1/8"=1'-0"

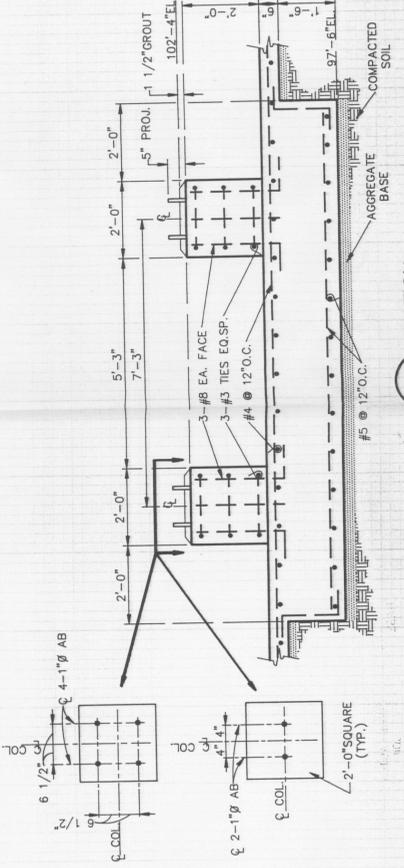


NO.	DATE	REVISION	APPRO.	DATE

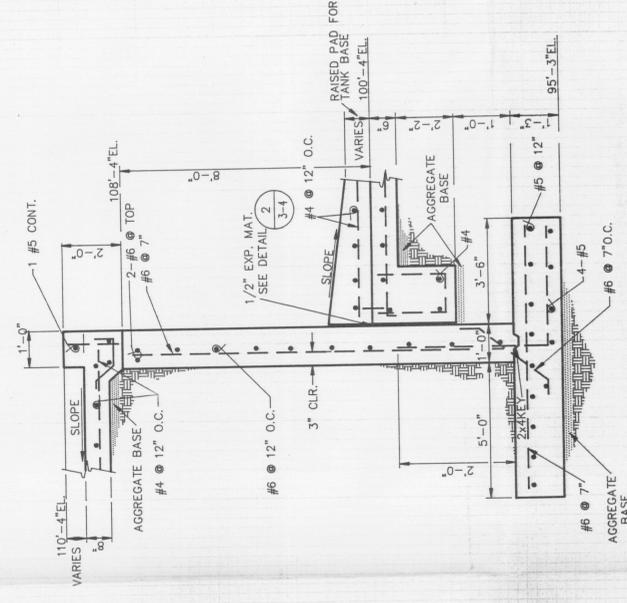
	U.S. POLLUTION CONTROL, INC.	GRASSY MOUNTAIN FACILITY	PROJECT NO.	DATE	SCALE
			DESIGNED BY	DRAWN BY	SHOW
	STABILIZATION SYSTEM FOUNDATION PLAN AND SECTIONS	THIS DRAWING IS THE PROPERTY OF AND IS TO BE KEPT IN THE OFFICE OF THE ENGINEER. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. ANY REUSE OR MODIFICATION WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER IS PROHIBITED.	DESIGNED BY	DRAWN BY	CHECKED BY
			REV.	DATE	BY



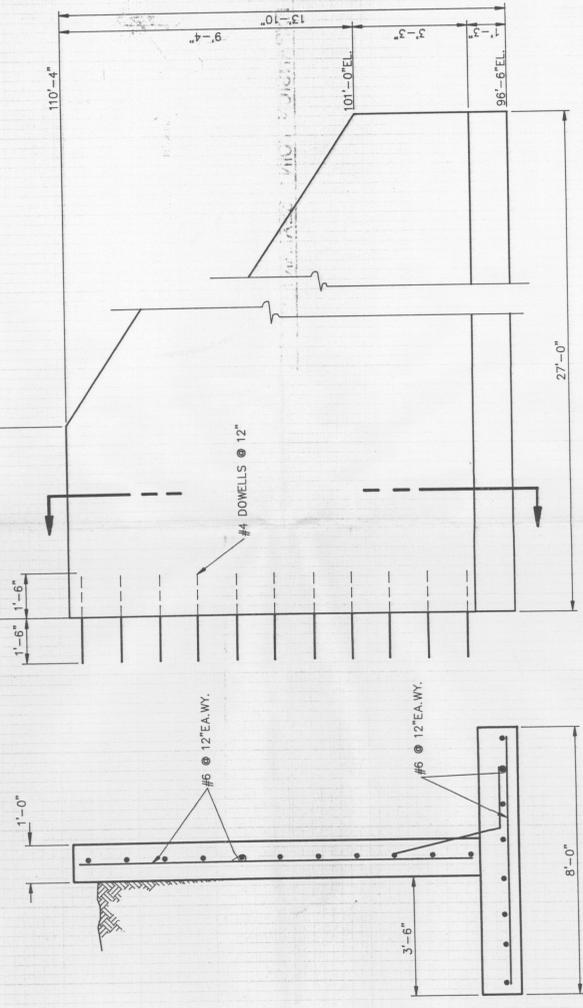
P SECTION
3-4 SCALE: N.T.S.



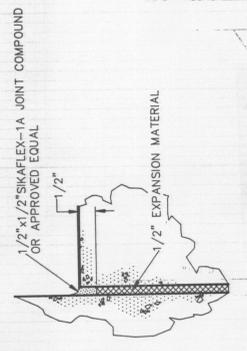
N SECTION
3-4 SCALE: N.T.S.



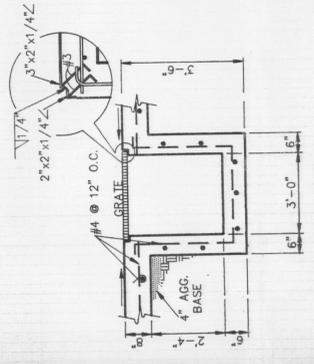
M SECTION
3-4 SCALE: N.T.S.



1 RETAINING WALL DETAIL
3-4 SCALE: N.T.S.



2 TYP. EXPANSION JOINT SEALANT DETAIL
3-4 SCALE: N.T.S.



J SECTION
3-4 SCALE: N.T.S.

NO.	DATE	REVISION	APPD	DATE

U.S. POLLUTION CONTROL, INC.

GRASSY MOUNTAIN FACILITY STABILIZATION SYSTEM

FOUNDATION SECTIONS AND DETAILS

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PROJECT NO. _____ DATE _____ SCALE: **SHOWN**

DESIGNED BY: **RM** DRAWN BY: **RM** CHECKED BY: _____

DWG. **D-32-20-202** SHEET **OF**

IV.B. Leachate Tank System

IV.B.1. The Leachate Tank System includes the following tanks:

1. Leachate Tank 119-TN-001 (INACTIVE),
2. Leachate Tank 119-TN-002,
3. Leachate Tank 119-TN-003 (INACTIVE)
4. Leachate Tank 119-TN 004 (INACTIVE)

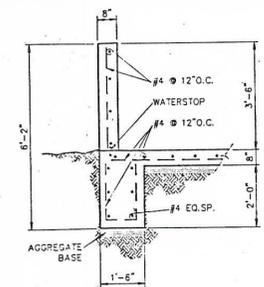
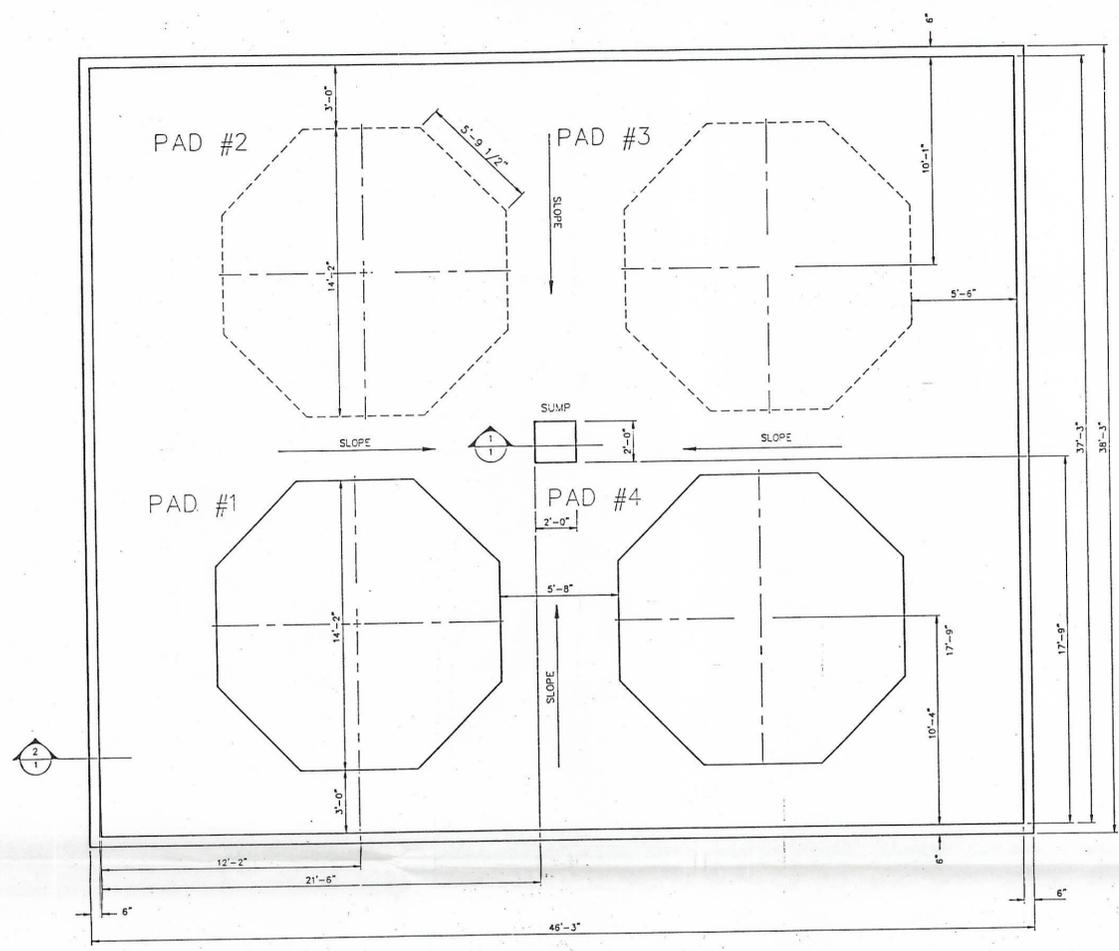
Tanks 119-TN-001, -002 and -003 are each twelve feet in diameter and twenty feet high (maximum allowable capacity 17,000 gallons per tank). Tank 119-TN-004 is twelve feet in diameter and twenty-eight feet and eleven inches high (maximum allowable capacity of 19,600 gallons). All tanks are constructed of carbon steel.

IV.B.6.b. The Permittee shall only store run-off containment waters from secondary containment, non-hazardous wastewaters, multi-source leachate (F039), and TSCA\RCRA leachate (combination multi-source leachate from Cell B/6) in Storage Tanks 119-TN-001, 119-TN-002, 119-TN-003 and 119-TN-004. Treatment is not allowed in these tanks.

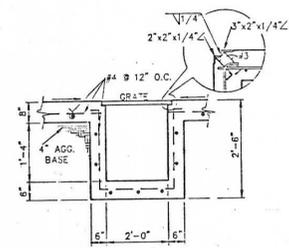
IV.B.2. Leachate Tank System Engineering Drawings

The following table identifies the drawing associated with the Leahate Tanks, the tank’s secondary containment and the Leachate Building.

Unit Description	Drawing Number
Leachate Treatment System Secondary Containment Area	D-32-55-204
Leachate Tanks (119-TN-001, 002, 003)	D-32-55-701
Leachate Tank 119-TN-004	Drawing 1, Rev 3

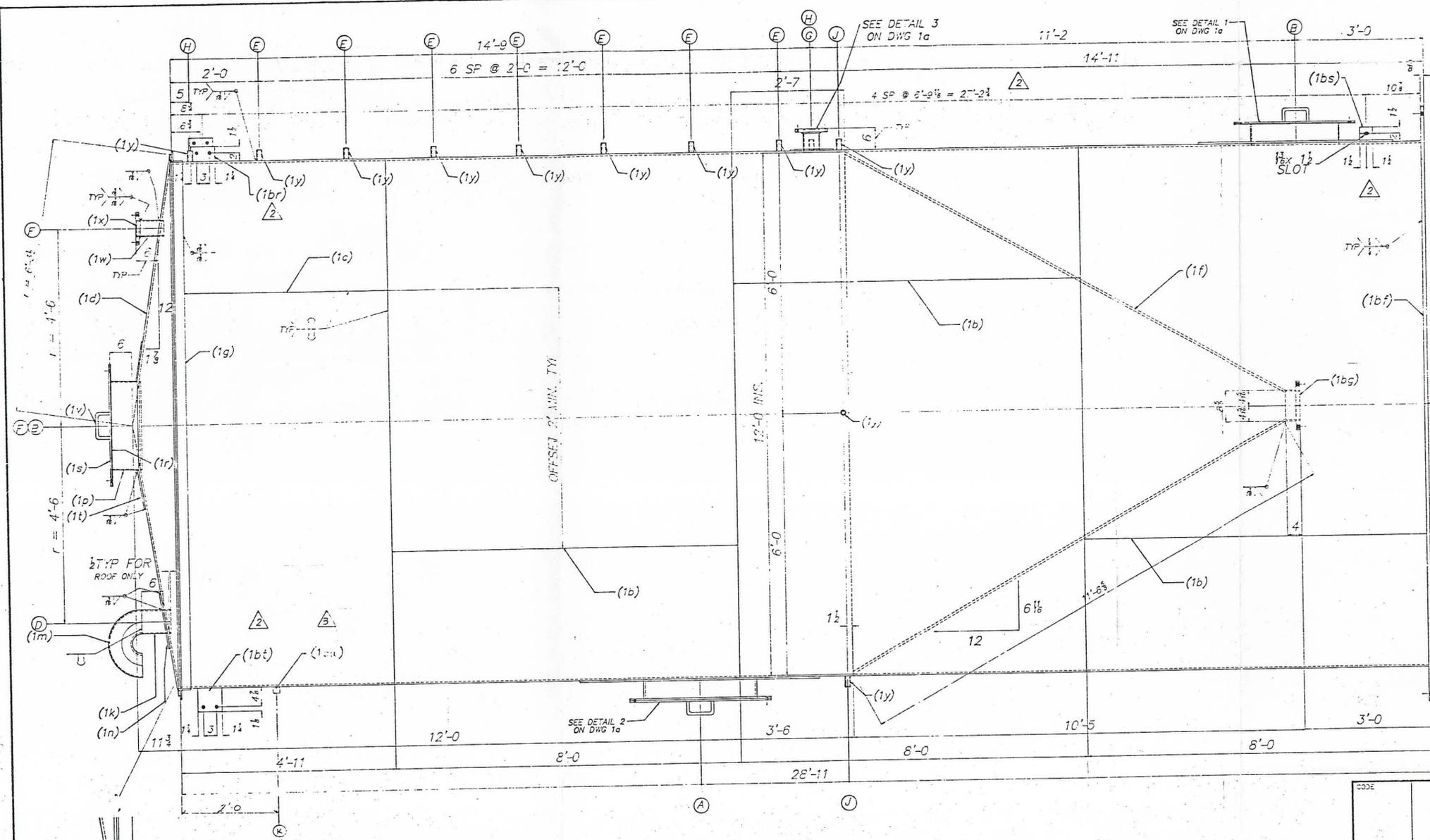


2 TYPICAL WALL SECTION
1 SCALE: N.T.S.



1 TYPICAL SUMP SECTION
1 SCALE: N.T.S.

1	4/22/90	RR	X	CHANGE TO D-SIZE	X	X
REV.	DATE	BY		DESCRIPTION	APP'D	DATE
 A Subsidiary of Union Pacific Corporation						
GRASSY MOUNTAIN FACILITY LEACHATE TREATMENT SYSTEM SECONDARY CONTAINMENT AREA						
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PROJECT NO.	DATE	SCALE	DRAWING NO.	REV.		
X	4/22/90	SHOWN	D-32-55-204	1		
DESIGNED BY:	DRAWN BY:	CHECKED BY:	DRAWING NO.	REV.		
DP	RR	DP	X	X		
				SHEET	1 OF 1	



BILL OF MATERIAL										
ITEM NO.	NO. PIECES	DESCRIPTION	LENGTH	WIDTH	THICKNESS	WEIGHT	REMARKS	ORDERED	MOBT	TOTAL
1										
2	ONE	TANK					A1			
3										
4	3	PL 4x 96	37' 9 1/2"				1b	ROLLED		
5	1	PL 4x 58 1/2"	37' 9 1/2"				1c	ROLLED		
6	1	PL 4x 15'	12' 7"				1d			
7	3	PL 4x 96	15' 0"				1f			
8	1	L 3 x 3 x 1/4	38' 3/4"				1g	ROLLED		
9	1	PIPE 6" SCH 40	0' 8"				1k			
10	1	RETURN: 6" STD					1m	SHORT RAD	w/ 1/2" MESH SCREEN	
11	1	PL 4x 6 1/2" I.D.	115" O.D.				1n			
12	1	PL 4x 8 1/2"	6' 4 1/2"				1p	ROLLED		
13	2	PL 4x 2 1/2" I.D.	33 1/2" O.D.				1r	w/ 1/2" GASKET		
14	2	PL 4	33 1/2" O.D.				1s			
15	1	PL 4x 48 1/2"	3' 10 1/2"				1t			
16	6	RB 3/8"	1' 0"				1v			
17	2	PIPE 4" SCH 40	0' 17 1/2"				1w			
18	4	4" 150# S.O. FLG					1x			
19	7	1" COUPLERS	0' 3"				1y	w/ 1" TR. PLUG		
20	2	PIPE 4" SCH 40	0' 5 1/2"				1z			
21	2	PL 4x 4 1/2" I.D.	12" O.D.				1bb	w/ 1/2" TELLER HOLE		
22	1	PL 4x 5 1/2"	6' 4 1/2"				1bc			
23	1	PL 4x 2 1/2" I.D.	5" O.D.				1bd	w/ 1/2" TELLER HOLE		
24	1	FB 3x 12	39' 9 1/2"				1bf	ROLL		
25	1	2" 150# WELDED FLG					1bg			
26	1	PL 4x 5 1/2"	1' 11 1/2"				1bk			
27	1	PL 4x 3 1/2" I.D.	35" O.D.				1bm	w/ 1/2" GASKET		
28	1	PL 4	35" O.D.				1bn			
29	1	PL 4x 3 1/2" I.D.	66" O.D.				1bp	w/ 1/2" TELLER HOLE		
30	2	FB 3x 3 1/2"	0' 5 1/2"				1br			
31	8	FB 3x 3"	0' 3 1/2"				1bs			
32	10	FB 3x 6"	0' 5 1/2"				1bt			
33	98	A307 M BOLT	0' 1 1/4"					w/ NUT & F.W.		
34	1	1" 1/2" F.W.						1/2" 3000#		
35										
36										
37										
38										
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55										

NOZZLE SCHEDULE			
MARK	SIZE	QTY	SERVICE
A	30"	1	MANWAY
B	24"	2	MANWAY
C	8"	1	OUTLET
D	6"	1	VENT
E	1"	7	VIEW PORT
F	4"	2	INLET
G	4"	2	DISCHARGE
H	1"	2	LEVEL GAUGE
J	1"	8	PORT
K	1"	1	PORT

ONE TANK A1

WORK WITH DWG. 1a

CODE	5				
APPROVAL	1	APPROVED			
THIS SPACE FOR APPROVAL STAMP ONLY		REV. NO.	DESCRIPTION OF & REASON FOR REVISION	BY DATE	BY DATE
		1	ADDED CONNECTION FOR 1" BOLLER FOR LARGER CONNECTION AS PER APPROVAL		
		GENERAL NOTE MATERIAL ASTM A36			
		HOLES -			
		CLEAN - SP-6			
		PAINT - SHOP PRIME (OUTSIDE)			
		DWG. TITLE - STORAGE TANK			
		JOB TITLE			
		ST. GEORGE STEEL FABRICATION, INC. 150 EAST 100 NORTH ST. GEORGE, UTAH 84770 (801) 773-1518			
		DRAWN BY: JAMES DATE: 4-90			
		CHECKED BY: R.K.R. DATE: 5-90			
		CONTRACTOR: USPCI			
		OWNER: USPCI			
		ARCHITECT			
		JOB NO. 5154		DRAWING NUMBER 1	

UNTREATED LEACHATE TANK 119-TN-004

801-673-4856

