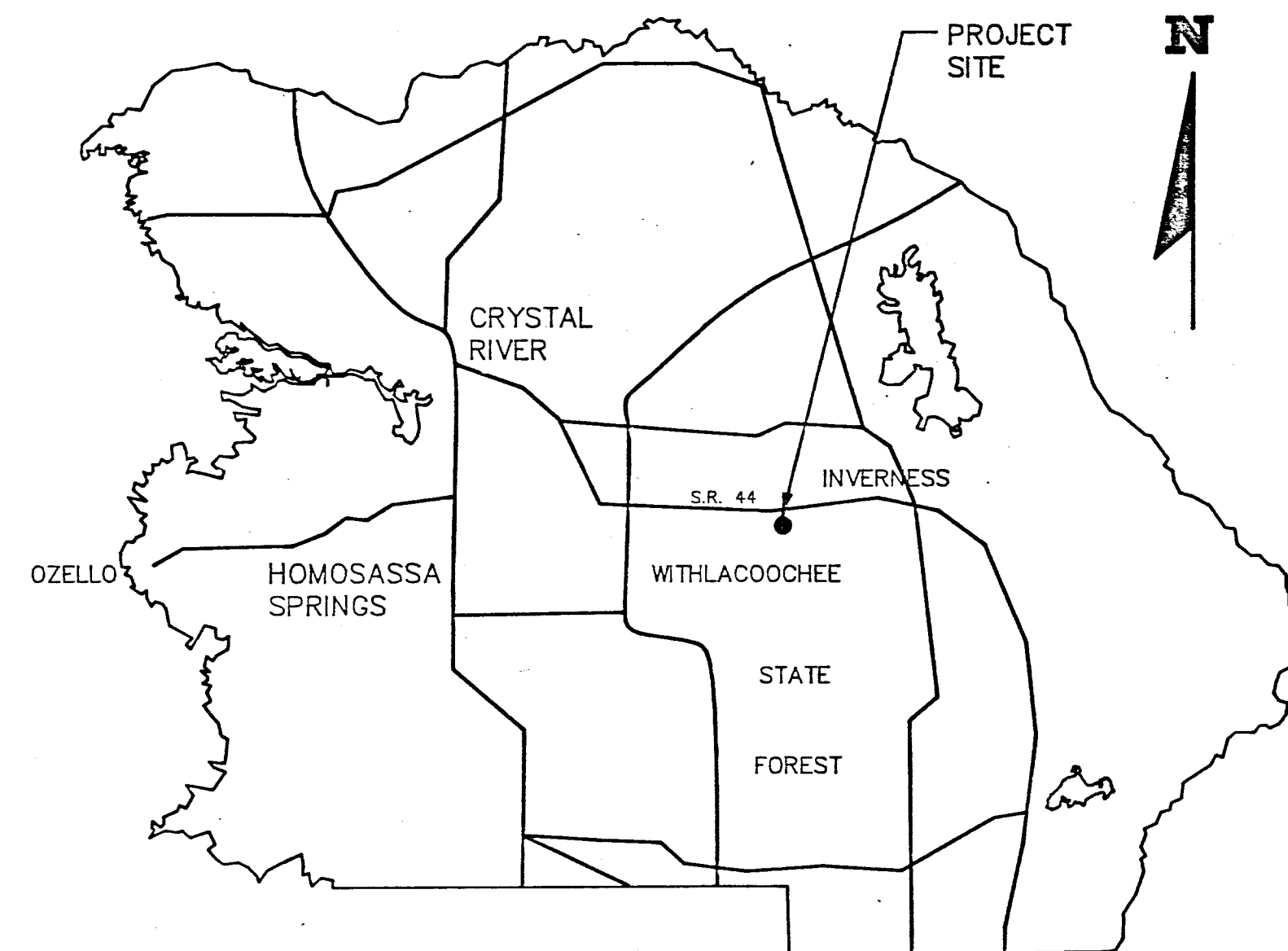
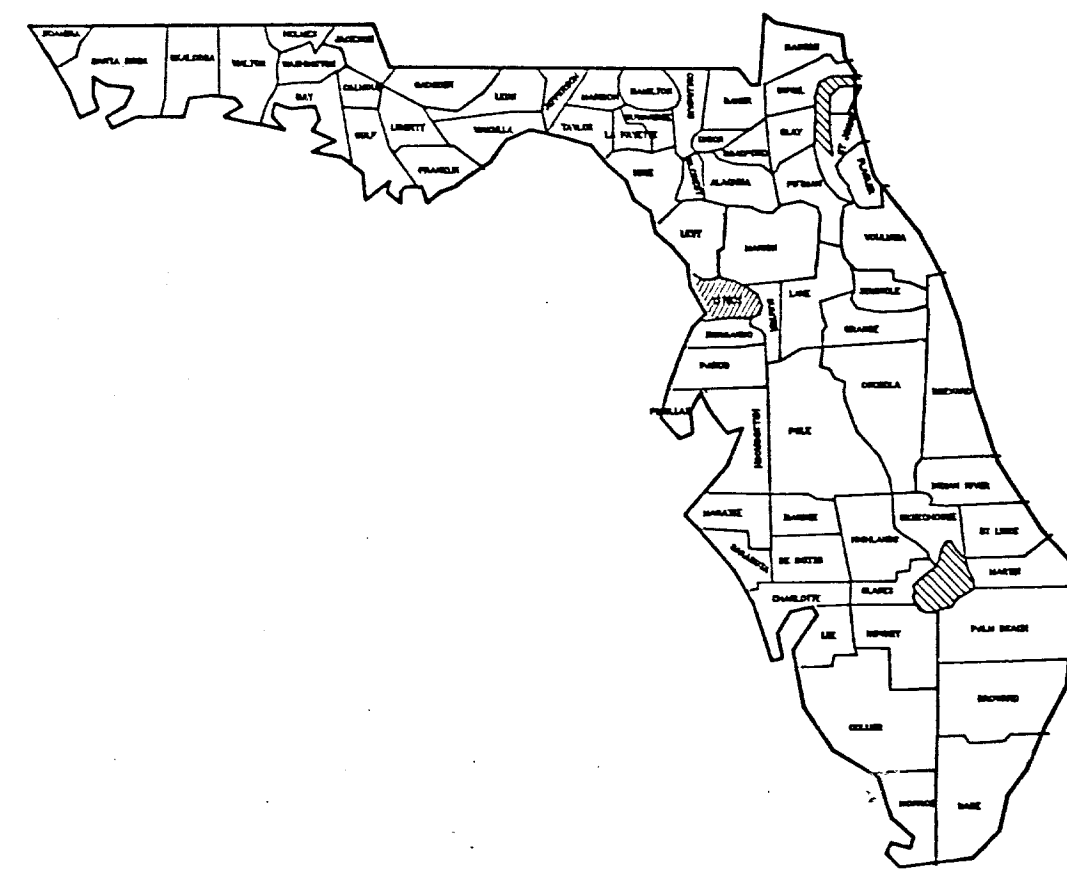
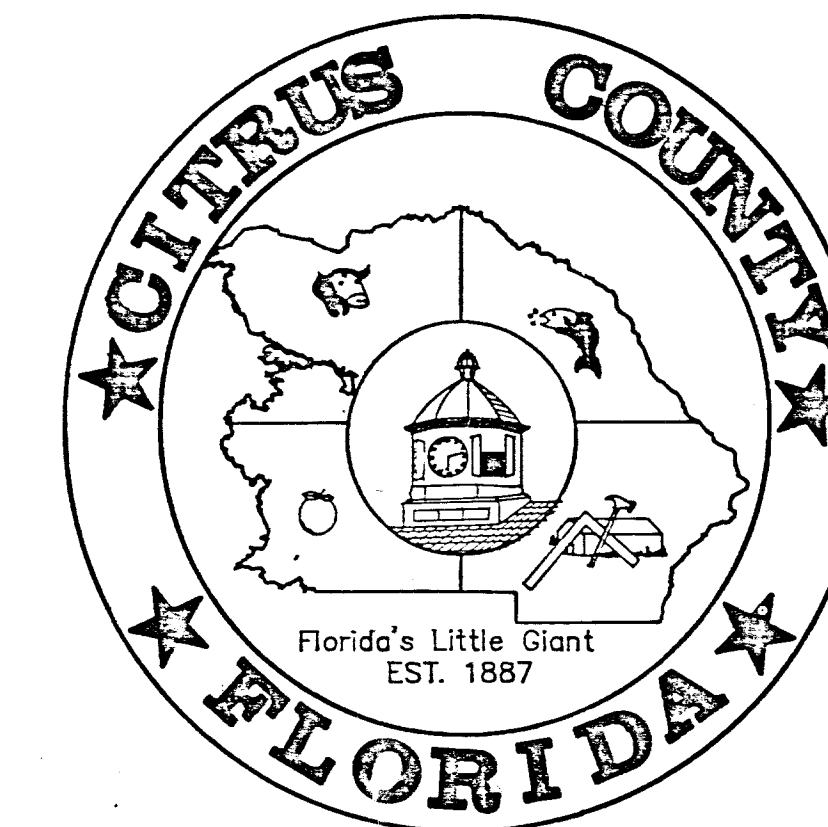


CITRUS COUNTY CENTRAL LANDFILL STORMWATER DRAINAGE AND LEACHATE SEPARATION CONSTRUCTION PLANS FOR 80 ACRE SITE PHASE 1



LOCATION MAP



COUNTY COMMISSIONERS

GARY BARTELL, CHAIRMAN
FRANK SCHIRALDI, 1ST VICE CHAIRMAN
VICKI PHILLIPS, 2nd VICE CHAIRMAN
BRAD THORPE, COMMISSIONER
CHESTER J. WHITE SR., COMMISSIONER

COUNTY ADMINISTRATOR

ANTHONY L. SHOEMAKER

COUNTY ENGINEER

JAMES W. PINKERTON, P.E.

PREPARED BY

CITRUS COUNTY
DEPARTMENT OF TECHNICAL SERVICES
ENGINEERING DIVISION

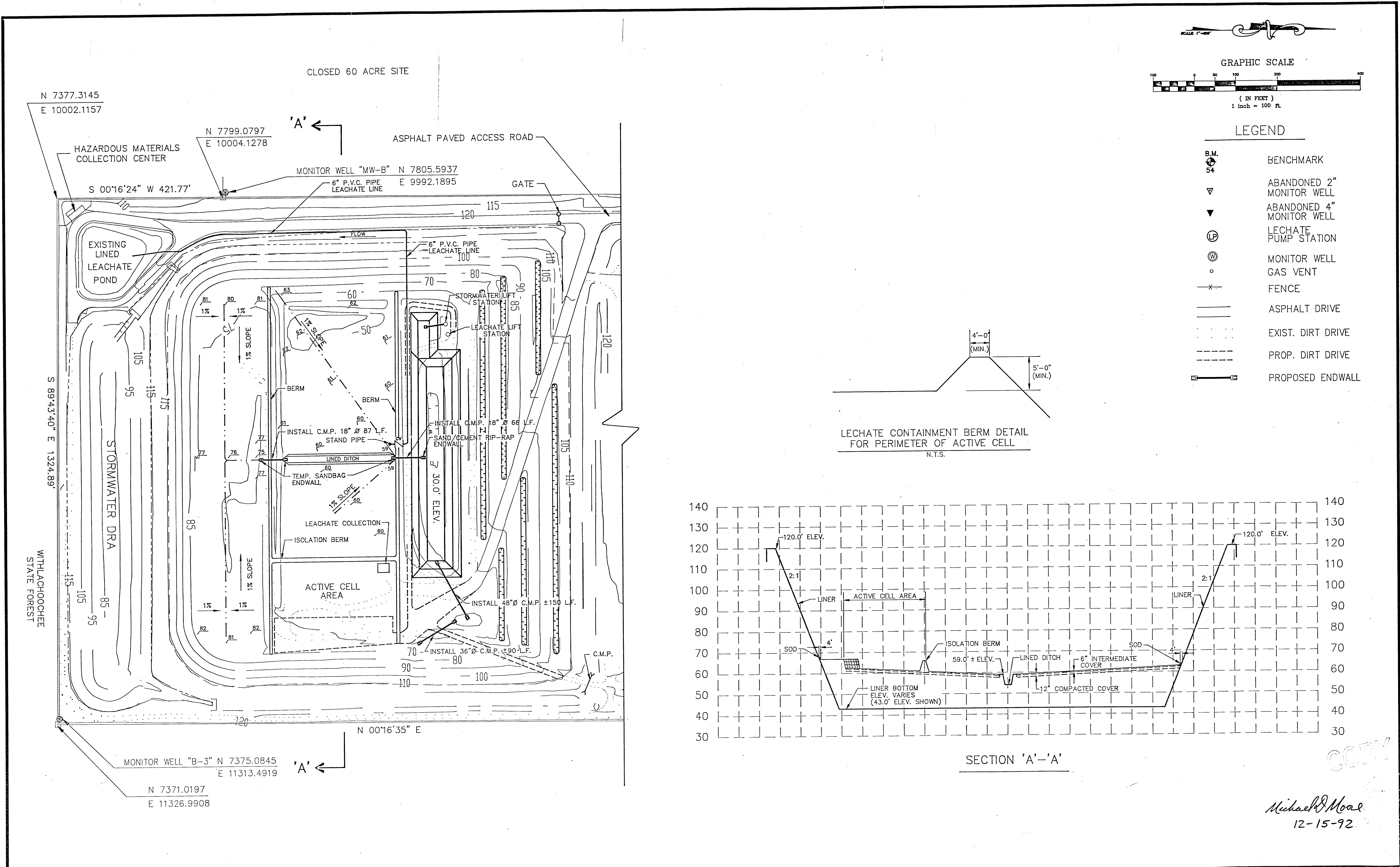
INDEX OF SHEETS

SHEET NO	DESCRIPTION
1	COVER
2	SITE PLAN
3	PLAN & PROFILE
4	LEACHATE PIPING SCHEMATIC
5	LEACHATE RECIRCULATION PLAN
6	SEQUENCING, OPERATIONAL & TRAFFIC PLAN
7	TYPICAL DETAILS

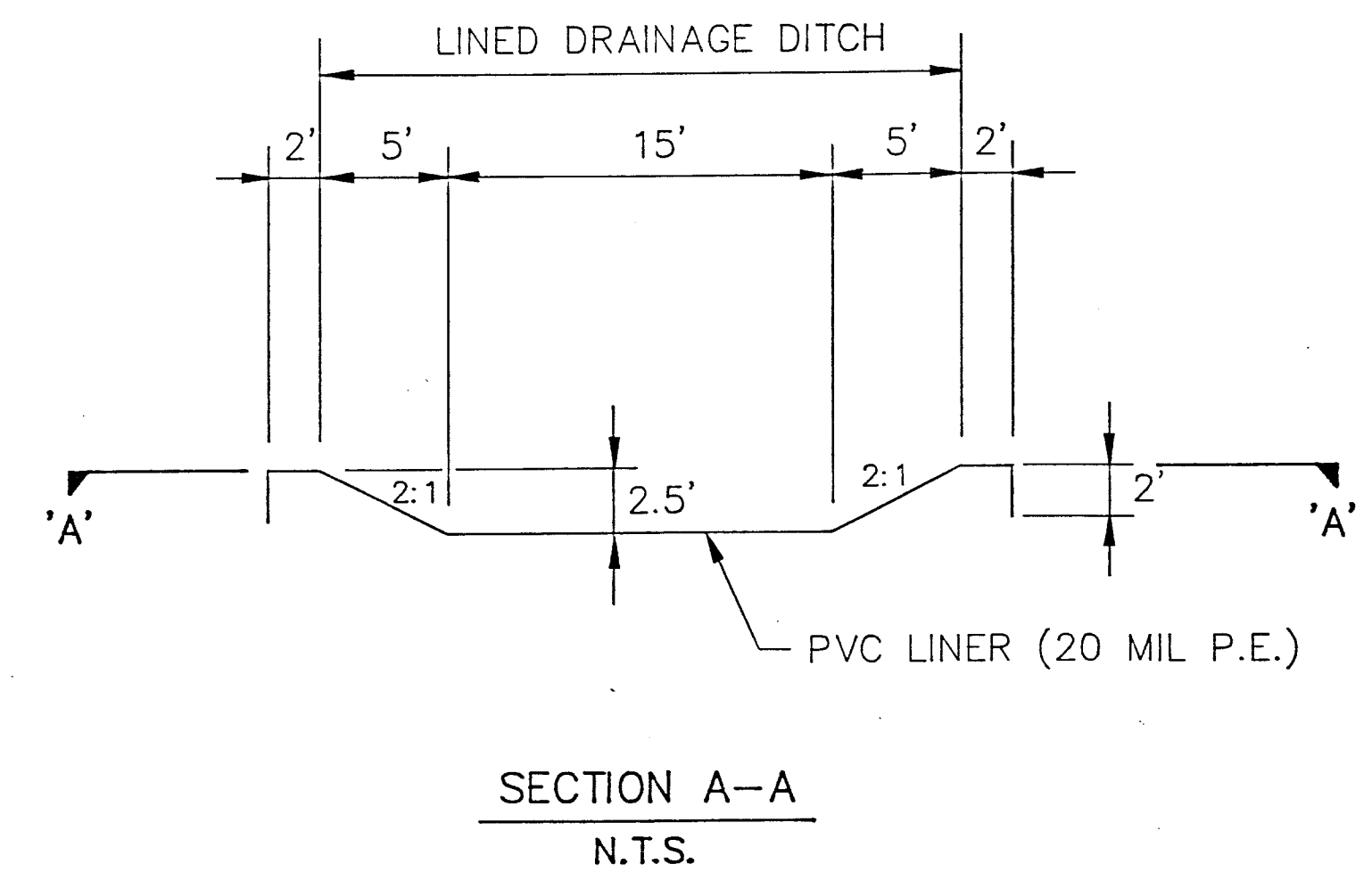
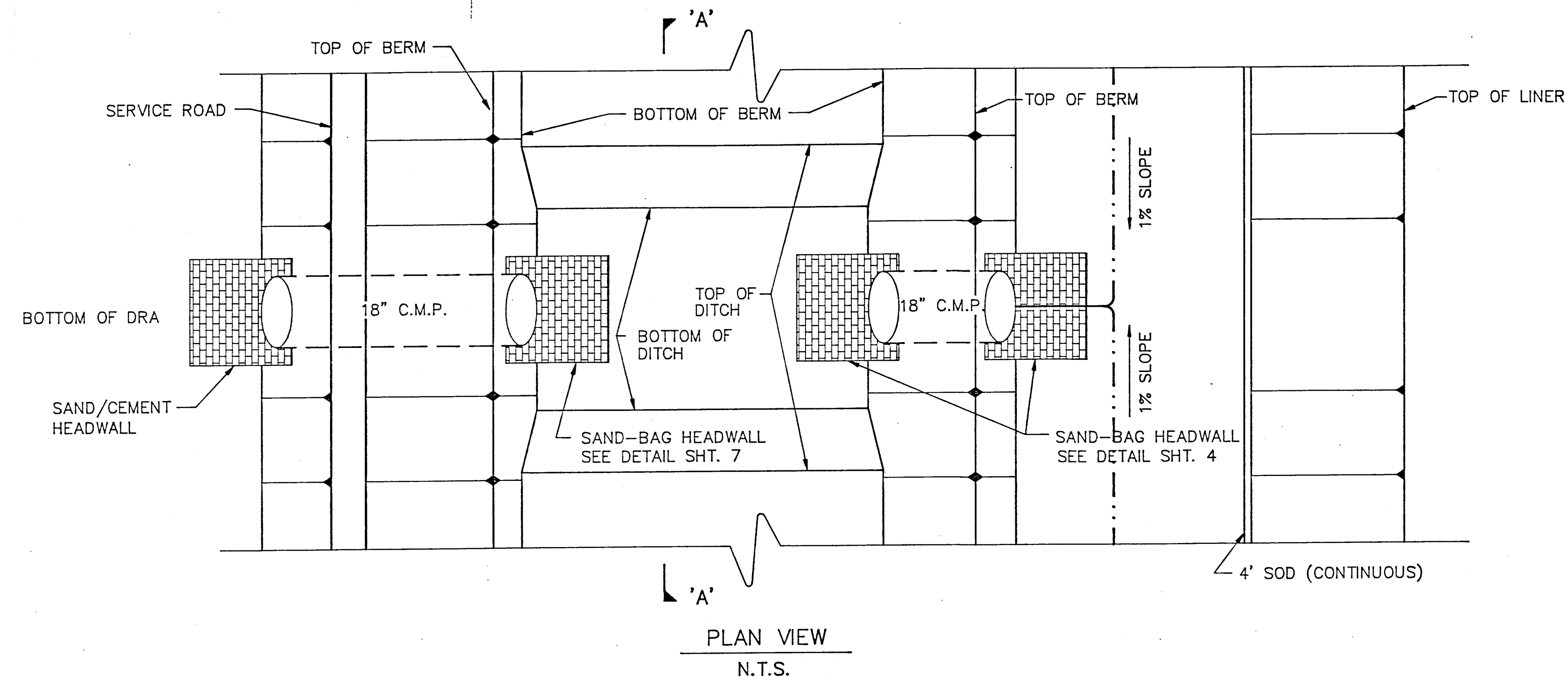
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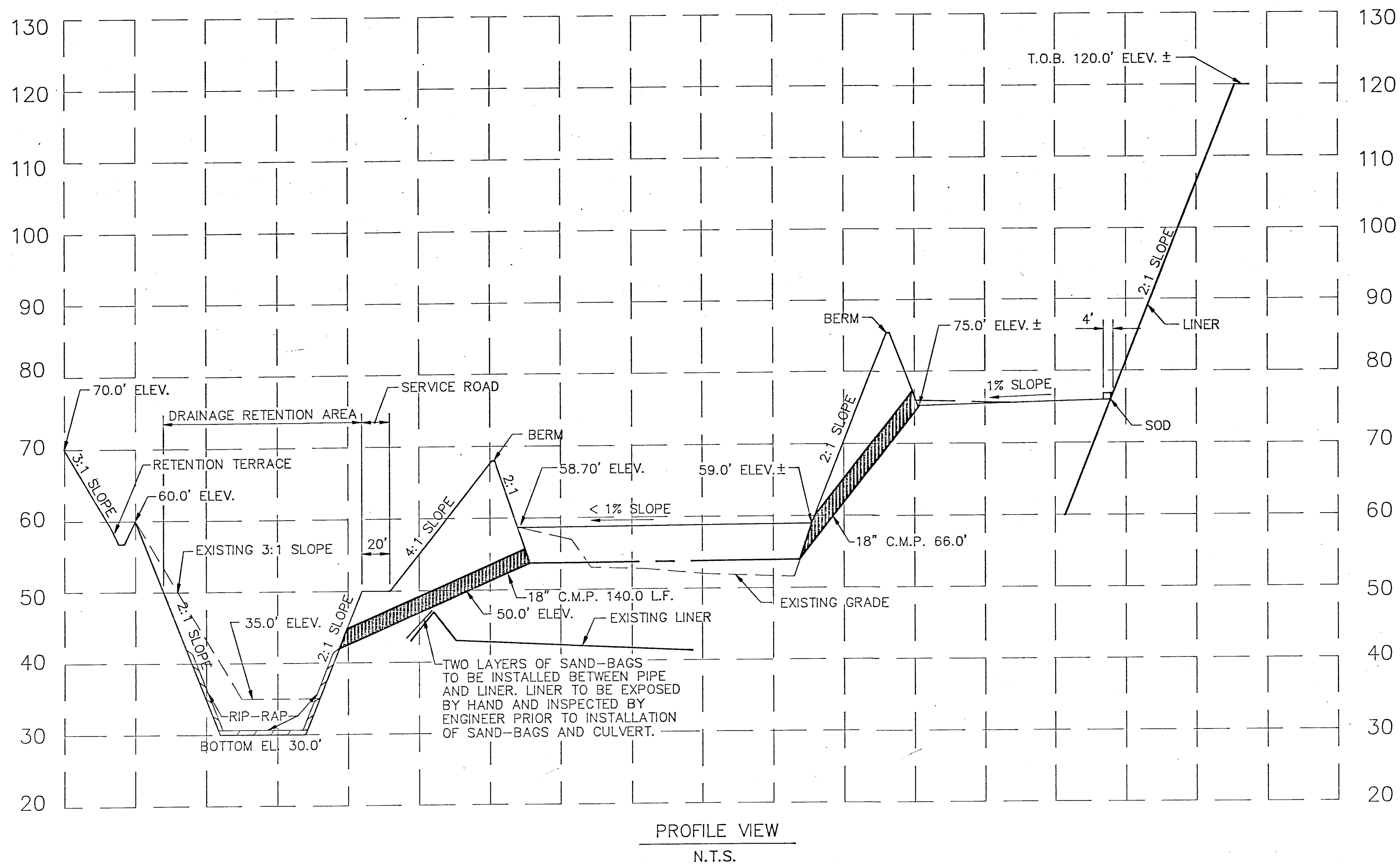


CITRUS COUNTY DEPARTMENT OF TECHNICAL SERVICES DIVISION OF ENGINEERING 1300 S. LECANTO HIGHWAY LECANTO, FLORIDA 34461 PHONE: (904) 746-2694										APPROVED BY: _____ DATE _____		CITRUS COUNTY CENTRAL LANDFILL ACTIVE AND CLOSED PORTIONS MAP ACTIVE 80 ACRE LANDFILL SITE				PROJECT NUMBER 89-615		SHEET 2 OF 7	
BY _____ DATE _____										BY _____ DATE _____		BY _____ DATE _____		SCALE 1"=100'				FILE: LAND-F3	
BY _____ DATE _____										BY _____ DATE _____		BY _____ DATE _____		SECTION 1 TOWNSHIP 19 RANGE 18					
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GENERAL NOTES

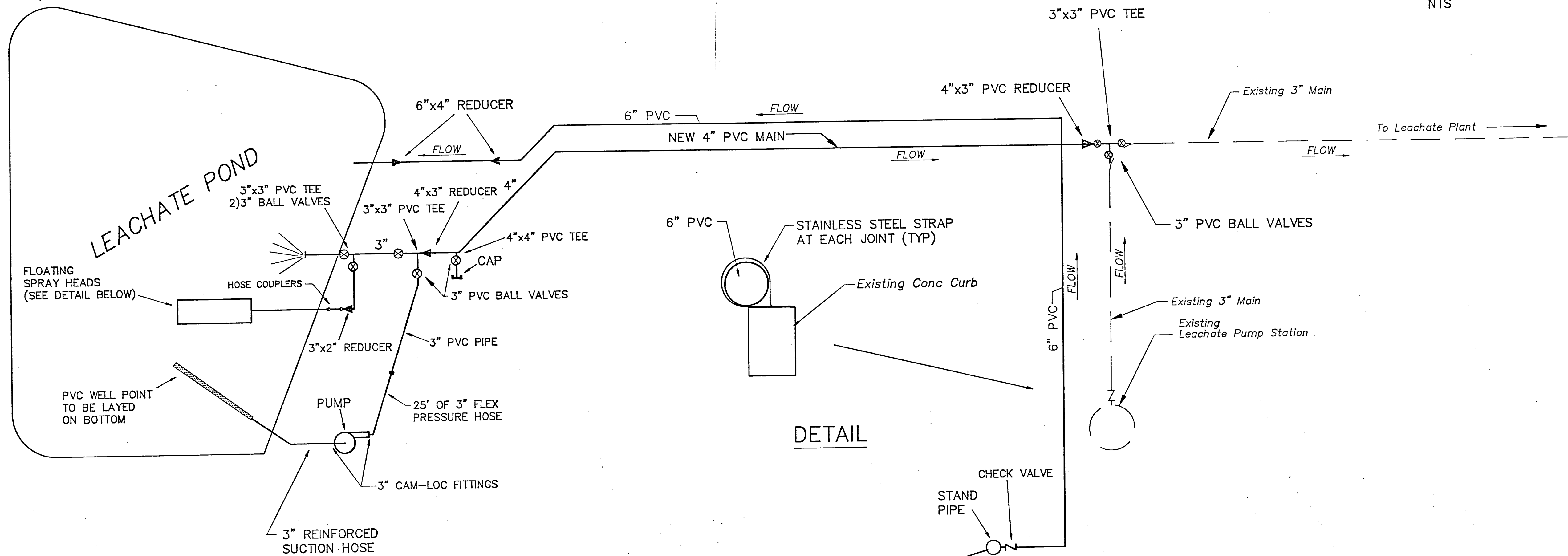
- 1.) ALL CELLS INTENDED FOR CLOSURE SHALL RECEIVE, IN ADDITION TO A 6 INCH INITIAL COVER, A MINIMUM OF 12 INCHES OF COMPACTED COVER. COVER AT UNLINED SWALES SHALL BE 24 INCHES.
- 2.) THE FDER SHALL BE NOTIFIED OF ALL CELL CLOSURES AND INFORMED THAT RUNOFF IS TO BE DIRECTED TO THE DRAINAGE RETENTION AREA.
- 3.) PERIODIC MAINTENANCE OF CLOSED CELLS IS REQUIRED TO MAINTAIN THE INTEGRITY OF THE TEMPORARY CAP.
- 4.) ALL PVC PIPE SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.



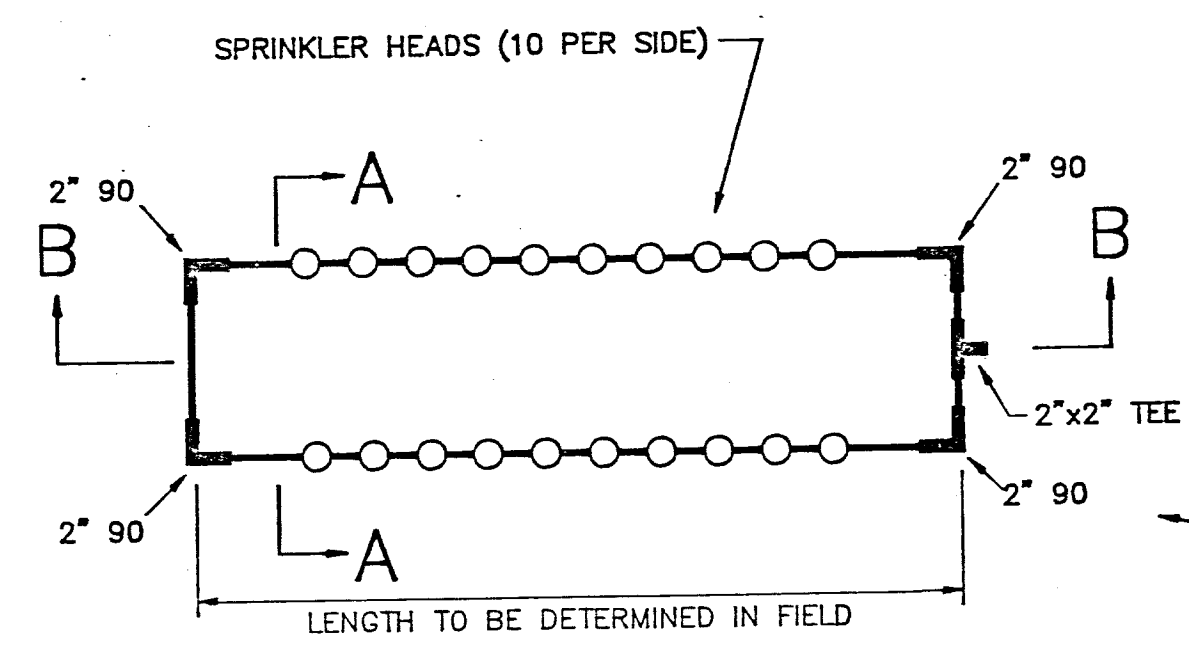
COPY

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12-15-92

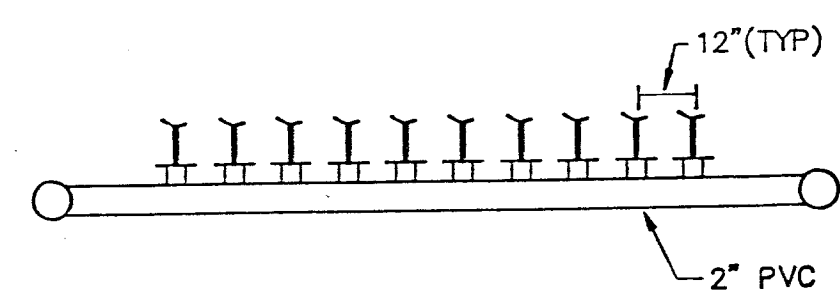
REVISIONS				PRELIMINARY				DESIGN				CITRUS COUNTY				APPROVED BY:				CITRUS COUNTY CENTRAL LANDFILL				PROJECT NUMBER				SHEET			
BY	DATE	BY	DATE	BY	DATE	BY	DATE	BY	DATE	BY	DATE	DEPARTMENT OF TECHNICAL SERVICES				DATE				PLAN AND PROFILE VIEWS				89-615				3			
												1300 S. LECANTO HIGHWAY												SCALE:				7			
												LECANTO, FLORIDA 34461												N.T.S.				FILE: LAND-F			
												PHONE: (904) 746-2694								SECTION 1				TOWNSHIP 19				RANGE 18			



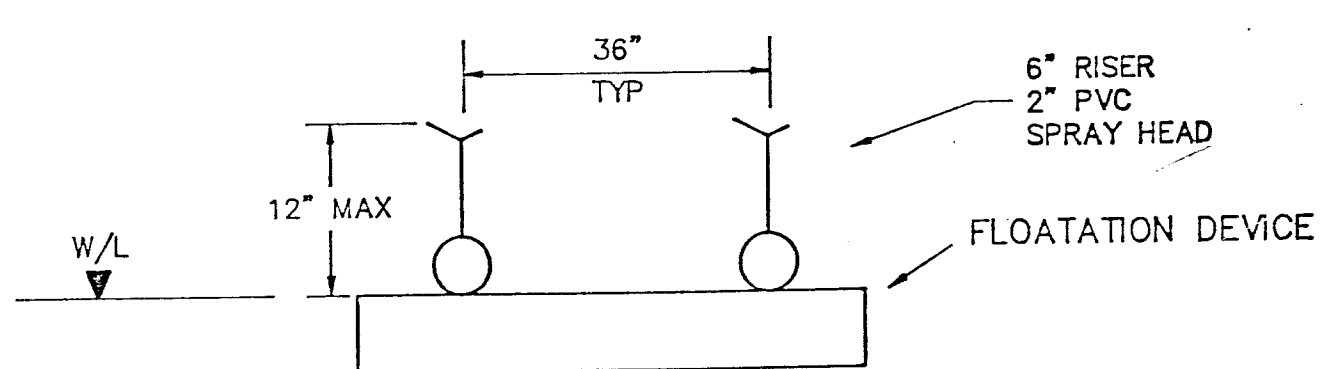
DETAIL



PLAN VIEW



SECTION B-B



SECTION A-A

MATERIAL LIST

EACH	
1	2"x2" TEE
20	2"x1/2" TEE
4	2" 90 BEND
20	1/2"x6" THREADED RISER
20	1/2" THREADED 360° SPRINKLER (3 GPM RAIN BIRD OR EQUAL)

NOTE
ALL FITTINGS & PIPE TO BE SCHEDULE 40
FLOTATION DEVICE TO BE ANCHORED (AS DIRECTED)

PUMP SPECIFICATIONS

HALE MODEL 25FB-B25 2 1/2" PORTABLE PUMP
FLOW RATE: 100GPM @ 90 PSI(208' HEAD) @ 10' SUCTION LIFT
DRIVER: 11HP BRIGS & STRATION GASOLINE ENGINE
(ALTERNATE BACK-UP PUMP, SAME AS ABOVE)

MAINTENANCE SCHEDULE

- 1) THE FIRE PUMP WILL BE LUBRICATED MONTHLY
- 2) THE PVC WELL POINT AT THE PUMP INTAKE WILL BE INSPECTED AND CLEANED WEEKLY
- 3) ALL PIPE RUNS ARE TO BE INSPECTED FOR DEFECTS EACH DAY OF OPERATION
- 4) SCREENS AT THE LEACHATE SUMP WILL BE INSPECTED AND CLEANED EACH DAY OF USE

Michael D. Moore
12-15-92

REVISIONS BY DATE BY DATE BY DATE _____				PRELIMINARY DESIGN BY DATE BY DATE _____				CITRUS COUNTY DEPARTMENT OF TECHNICAL SERVICES DIVISION OF ENGINEERING 1300 S. LECANTO HIGHWAY LECANTO, FLORIDA 34461 PHONE: (904) 746-2694	APPROVED BY: _____ DATE: _____	RECIRCULATION AND SPRAY FIELD SCHEMATIC		PROJECT NUMBER 89-615	SHEET 4
DRAWN DWY 12/92				DESIGNED MDM 12/92					SECTION 1 TOWNSHIP 19 RANGE 18		SCALE NTS	OF 7	
CHECKED XXX X/92											FILE: LFH20		

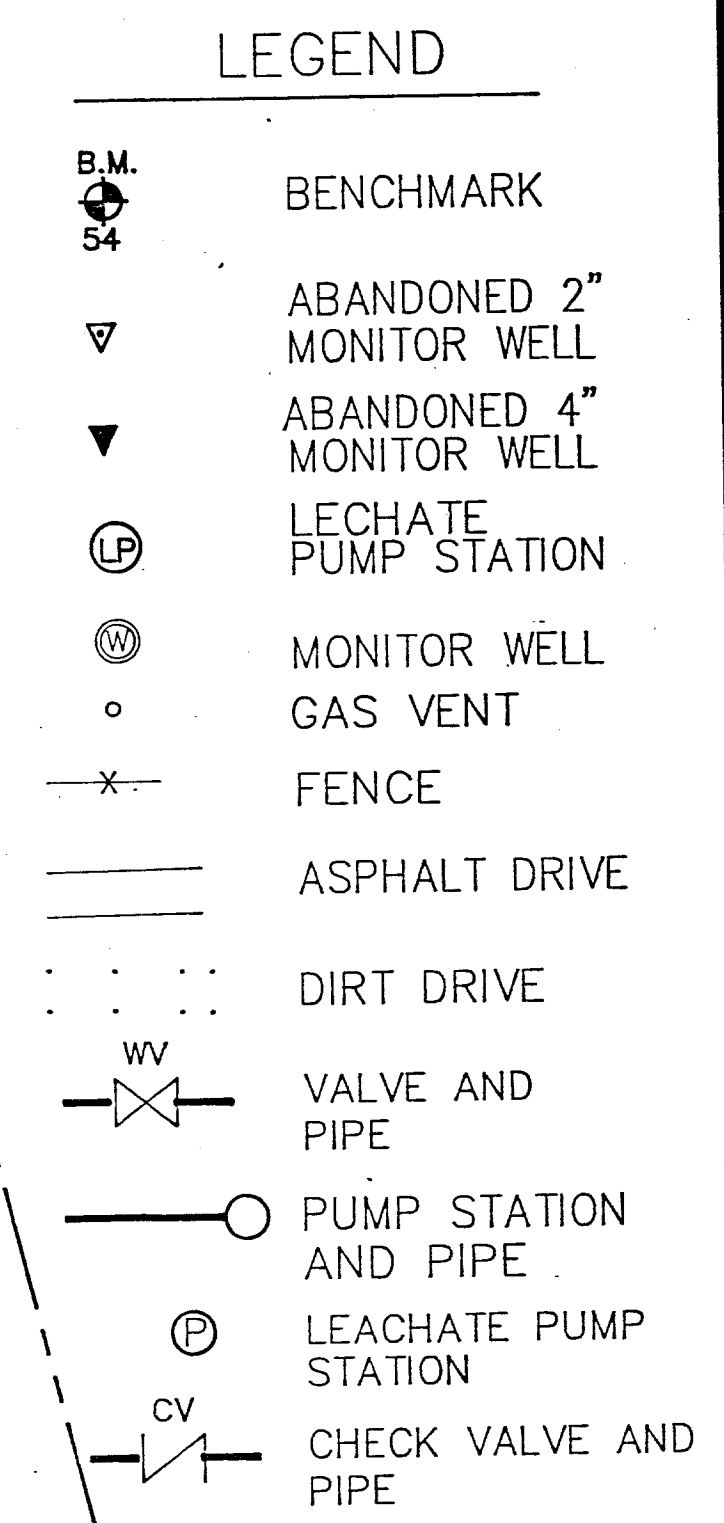
SCALE 1"=100'

GRAPHIC SCALE

100 0 50 100 200 300 400 500 600 700 800 900 1000

(IN FEET)

1 inch = 100 ft.



Michael D Moore
12-15-92

		REVISIONS				PRELIMINARY		DESIGN		
BY		BY		BY		-	BY	DATE	BY	DATE
DATE		DATE		DATE		DRAWN	RDT	9/92	JJM	12/92
						PREPARED	TEF	9/92	RD	12/92
BY		BY		BY		CHECKED	MDM	9/92	MDM	12/92
DATE		DATE		DATE						

CITRUS COUNTY
DEPARTMENT OF TECHNICAL SERVICES
DIVISION OF ENGINEERING
1300 S. LECANTO HIGHWAY
LECANTO, FLORIDA 34461
PHONE: (904) 746-2694

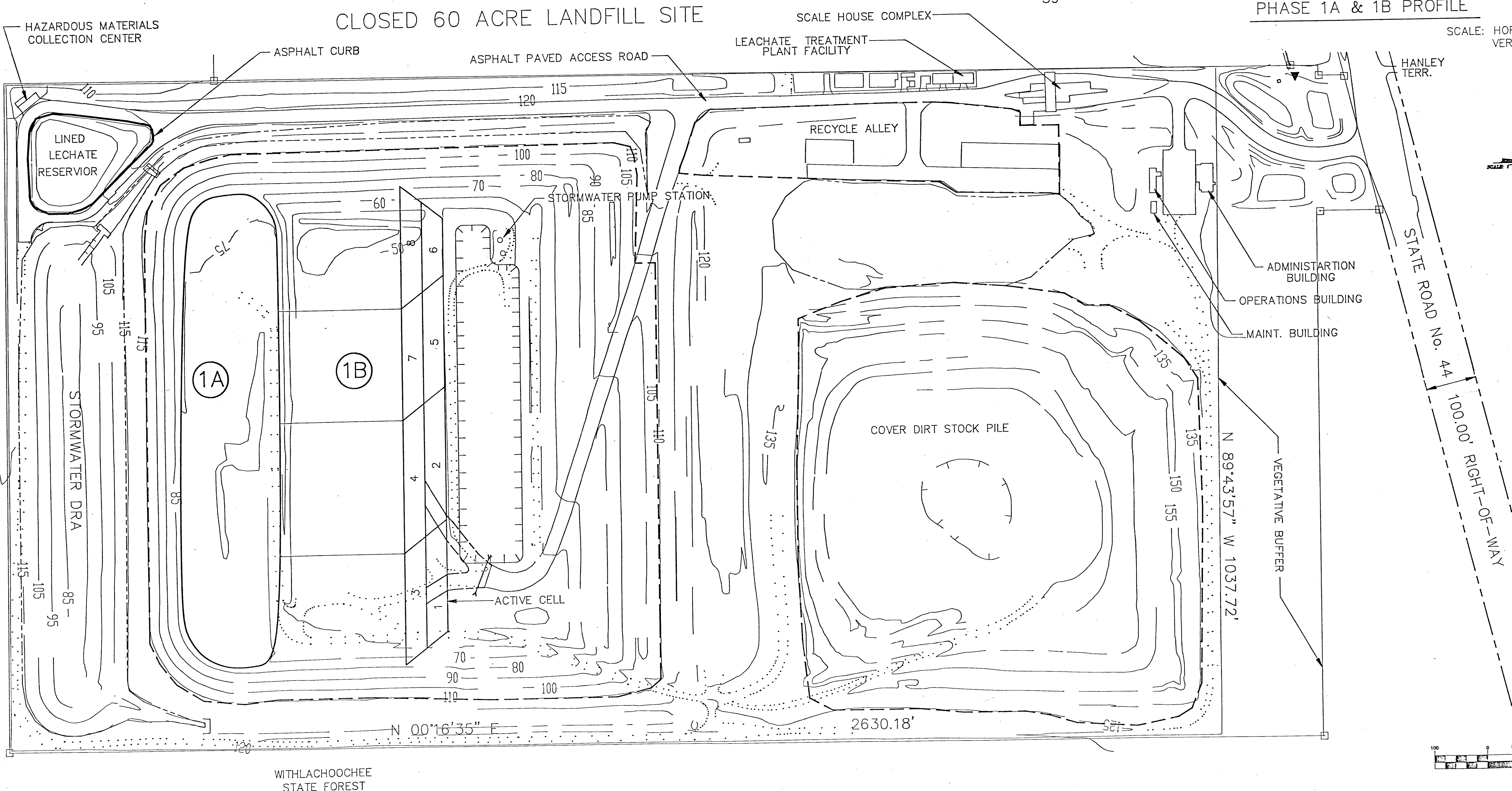
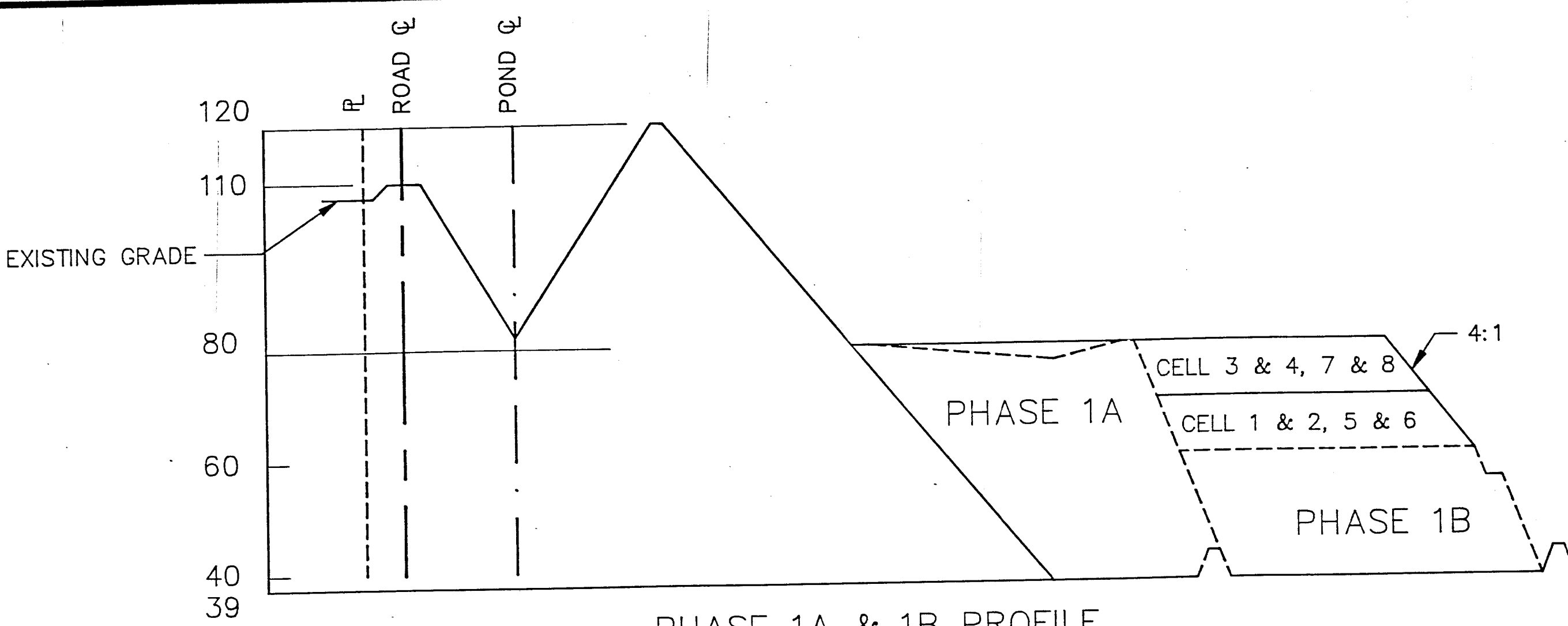
APPROVED BY:

CITRUS COUNTY CENTRAL LANDFILL
PROPOSED LEACHATE RECIRCULATION SYSTEM
ACTIVE 80 ACRE LANDFILL SITE

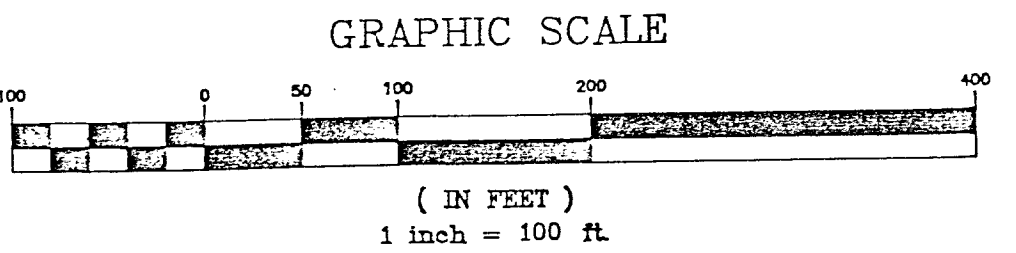
PROJECT NUMBER	SHEET
89-615	5
SCALE	OF
1"=100'	7
	FILE: <u>LAND-5</u>

- NOTES: 1. ALL PONDED LECHATE SHALL BE PUMPED TO THE TREATMENT PLANT OR THE LECHATE RESERVOIR.
2. PHASE 1A SHALL BE GRADED AND CAPPED WITH A SANITARY COVER AND DRAINAGE FACILITIES INSTALLED PER OPERATIONAL PERMIT REQUIREMENTS.
3. THE STORMWATER LIFT STATION WILL BE REPAIRED TO SPECIFICATIONS.
4. LANDFILL OPERATIONS SHALL BE CONFINED TO THE ACTIVE CELL.
5. A CONTAINMENT BERM SHALL BE CONSTRUCTED AT THE PERIMETER OF THE ACTIVE CELL.
6. INACTIVE CELLS WILL BE GRADED AND CAPPED WITH A TEMPORARY SANITARY COVER AND DRAINAGE FACILITIES TO BE INSTALLED.
7. TO FACILITATE TRAFFIC CONTROL COMMERCIAL CARRIERS AND PUBLIC VEHICULAR TRAFFIC WILL BE SEPARATED. SEPARATE TRAFFIC ACCESS LANES WILL BE PROVIDED INTO ACTIVE CELL.
8. REFER TO SHEET 2 FOR DRAINAGE DETAILS.

PROPOSED CELL CLOSURE SCHEDULE	
CELL NO.	DATE
1	CLOSE CELL BY JANUARY 18, 1993
2	CLOSE CELL BY MARCH 7, 1993
3	CLOSE CELL BY APRIL 17, 1993
4	CLOSE CELL BY MAY 29, 1993
5	CLOSE CELL BY JULY 7, 1993
6	CLOSE CELL BY AUGUST 5, 1993
7	CLOSE CELL BY SEPTEMBER 10, 1993
8	CLOSE CELL BY OCTOBER 12, 1993



- LEGEND
- B.M. 54 BENCHMARK
 - ABANDONED 2" MONITOR WELL
 - ABANDONED 4" MONITOR WELL
 - LECHATE PUMP STATION
 - MONITOR WELL
 - GAS VENT
 - FENCE
 - ASPHALT DRIVE
 - DIRT DRIVE



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REVISIONS		PRELIMINARY		DESIGN	
BY	DATE	BY	DATE	BY	DATE
		RD	9/92	JM	12/92
		TEF	9/92	RD	12/92
		MDM	9/92	MDM	12/92

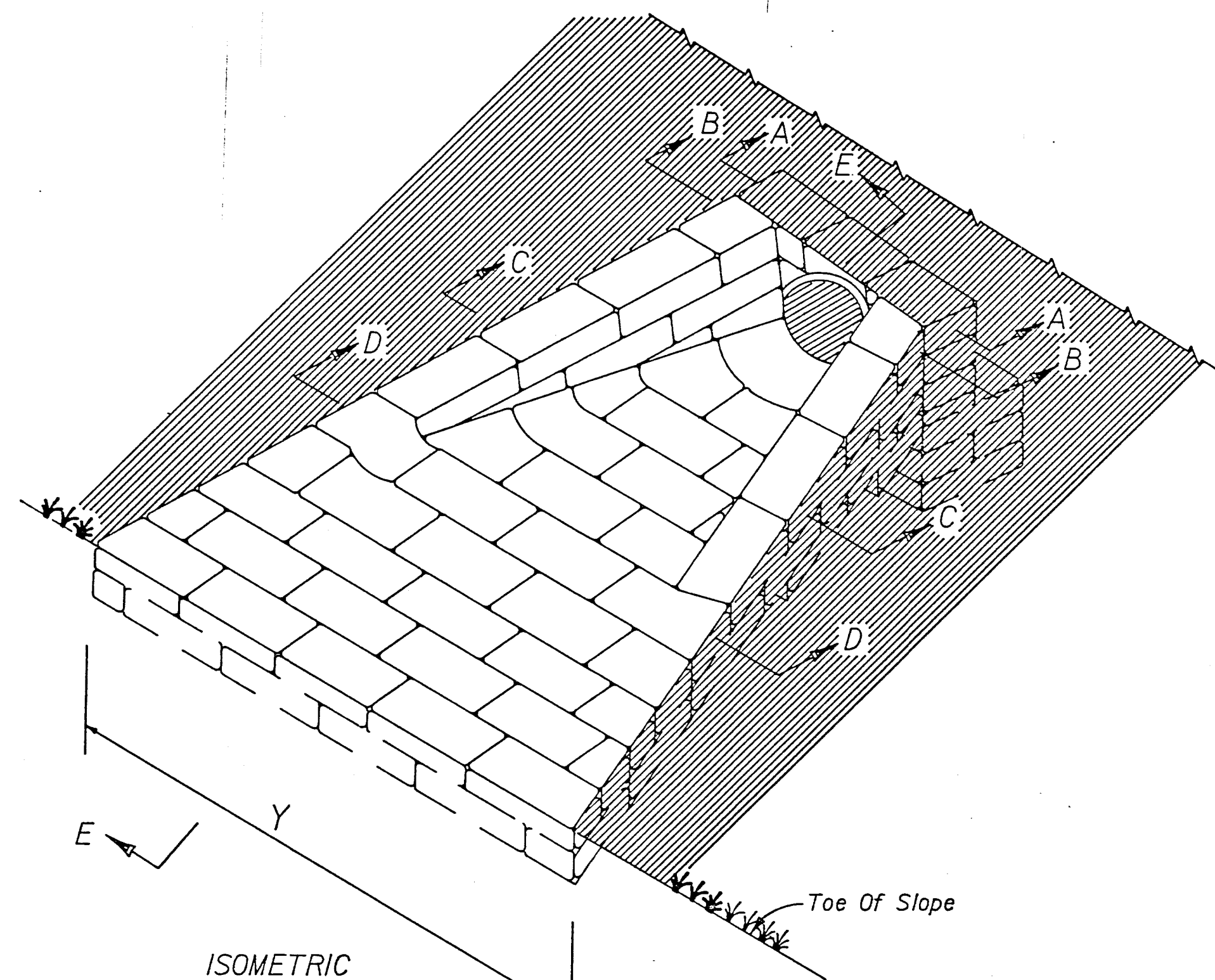
CITRUS COUNTY
DEPARTMENT OF TECHNICAL SERVICES
DIVISION OF ENGINEERING
1300 S. LECANTO HIGHWAY
LECANTO, FLORIDA 34461
PHONE: (904) 746-2694

APPROVED BY:
DATE

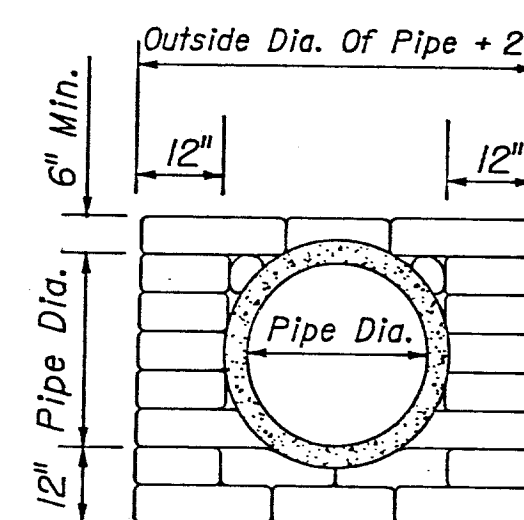
SITE SEQUENCING, OPERATIONAL
AND TRAFFIC CONTROL PLAN
ACTIVE 80 ACRE LANDFILL SITE

SECTION 1 TOWNSHIP 19 RANGE 18

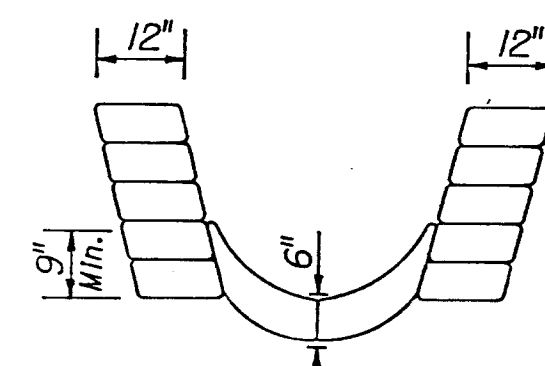
PROJECT NUMBER
89-615
SHEET
OF 6
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FILE: LAND-6



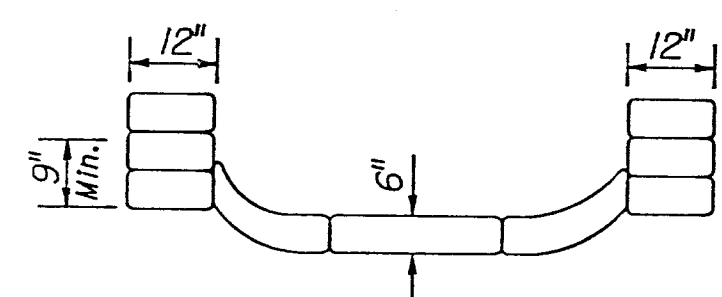
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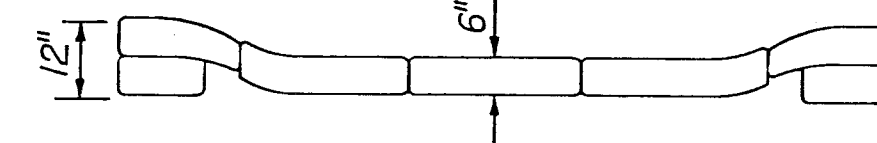
SECTION AA



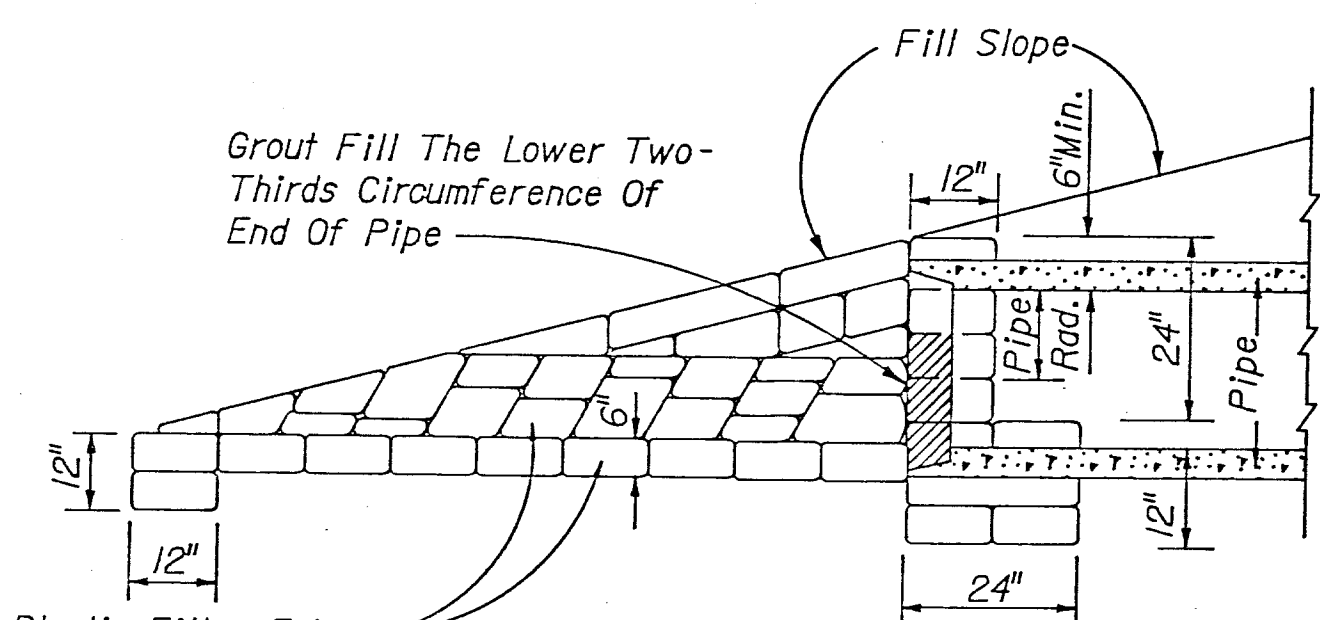
SECTION BB



SECTION CC



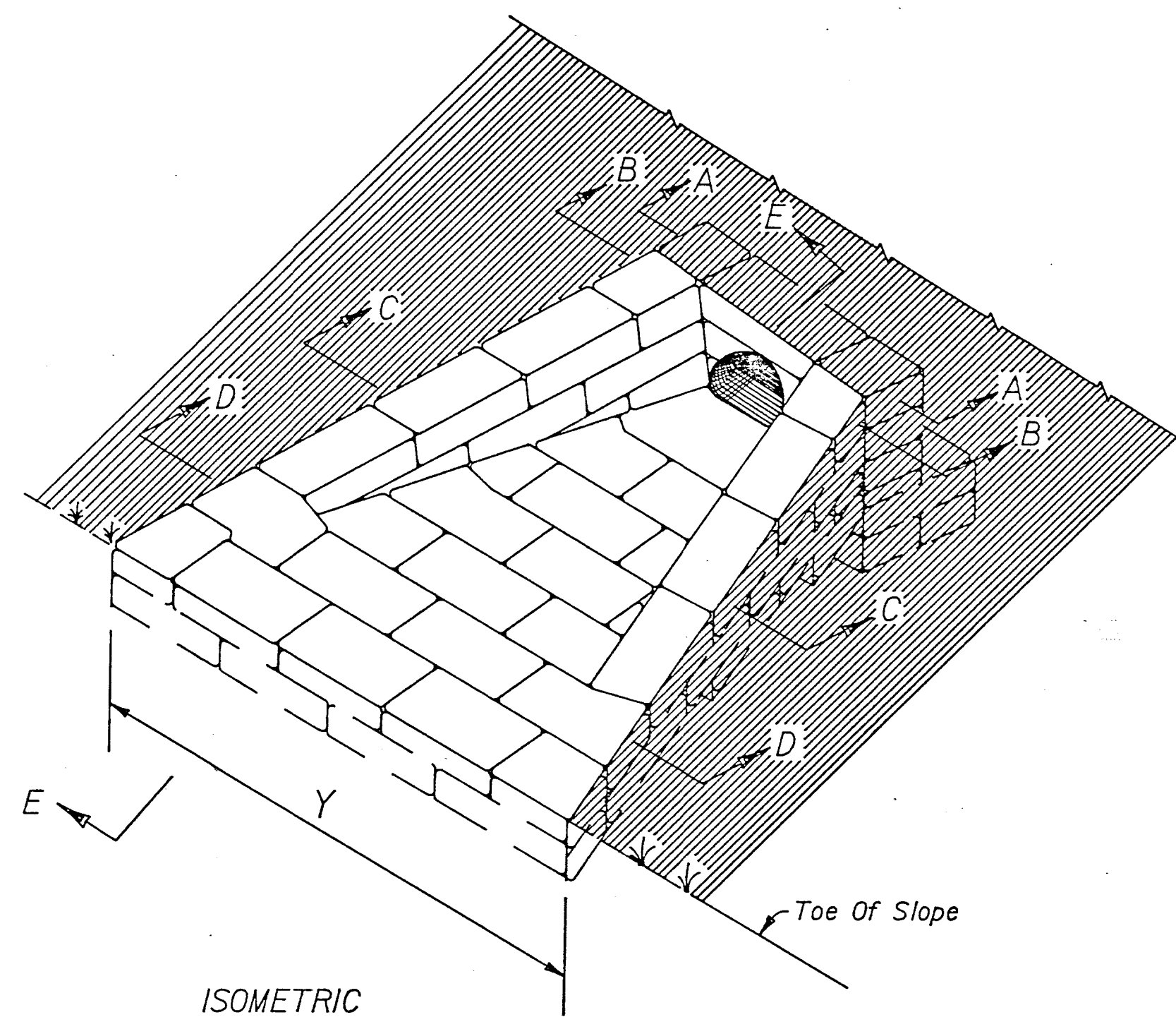
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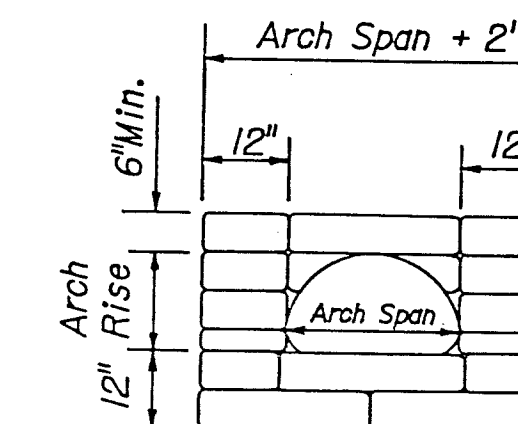
SECTION EE

DETAIL FOR SINGLE PIPE CULVERT

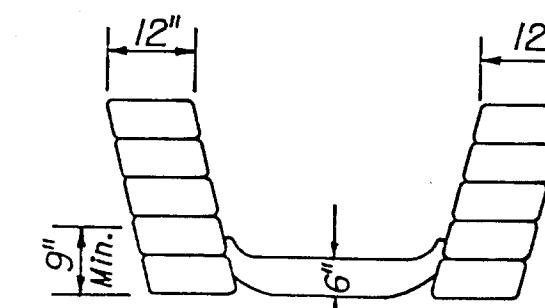
Note: For multiple pipe culvert spacing between pipe centers = X



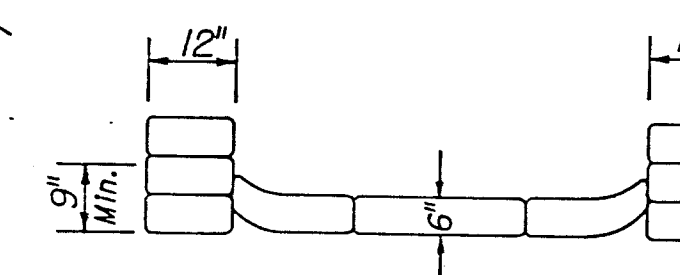
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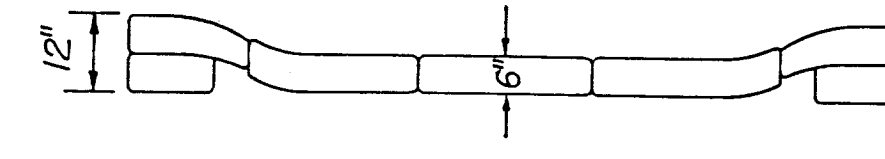
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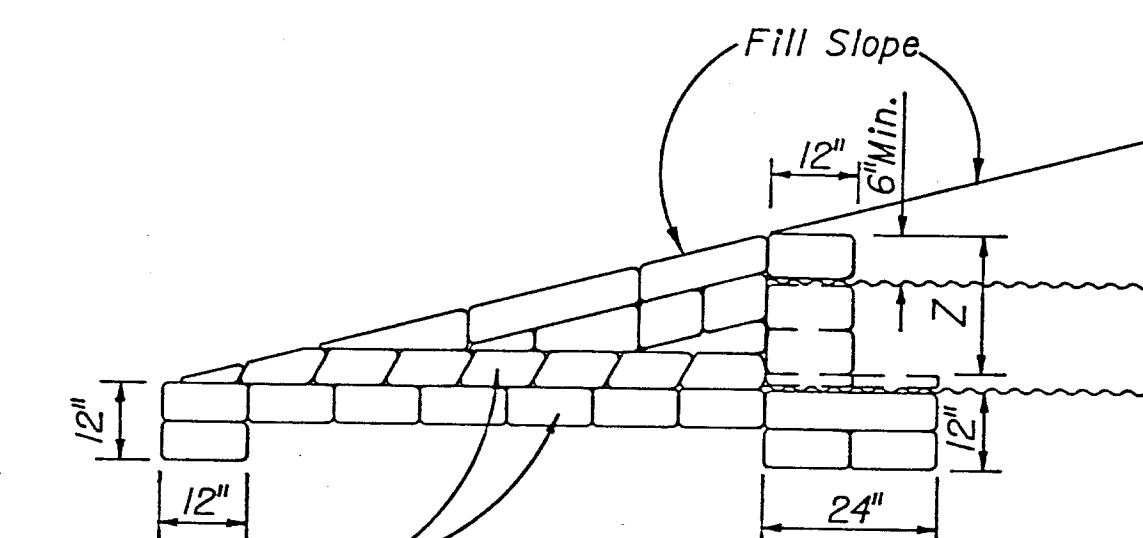
SECTION BB



SECTION CC



SECTION DD



SECTION EE

Place Plastic Filter Fabric (Subsurface Type) Around And Below Sand-Bag And Or Sand-Bag Cement Rip-Rap Cost Of Fabric To Be Included In Cost Of Sand-Bag And Or Sand-Bag Cement Riprap

DETAILS FOR SINGLE METAL PIPE ARCH CULVERTS

NOTE: For multiple metal pipe arch culvert spacing between arch centers = X

DIMENSIONS AND QUANTITIES FOR METAL PIPE ARCH CULVERTS

DIMENSIONS AND QUANTITIES FOR METAL PIPE ARCH CULVERTS																			
Span	Rise	Dimensions						Quantity of Sand-Bag and Sand-Bag Cement Riprap in Cu. Yds. for One Endwall											
		X	Y				Z	For 2:1 Slopes				For 4:1 Slopes				For 6:1 Slopes			
			1-Arch	2-Arch	3-Arch	4-Arch		1-Arch	2-Arch	3-Arch	4-Arch	1-Arch	2-Arch	3-Arch	4-Arch	1-Arch	2-Arch	3-Arch	4-Arch
17"	13"	2'-6"	6'-6"	9'-0"	11'-6"	14'-0"	1'-7"	1.0	1.5	2.0	2.5	1.5	2.2	2.9	3.6				
21"	15"	2'-10"	7'-6"	10'-4"	13'-2"	16'-0"	1'-9"	1.2	1.8	2.4	3.0	1.9	2.7	3.5	4.3				
28"	20"	3'-5"	9'-3"	12'-8"	16'-1"	19'-6"	2'-0"	1.7	2.5	3.3	4.1	2.6	3.7	4.8	5.9				
35"	24"	4'-0"	11'-0"	15'-0"	19'-0"	23'-0"	2'-0"	2.2	3.1	4.0	4.9	3.4	4.7	6.0	7.3				
42"	29"	4'-9"	12'-9"	17'-6"	22'-3"	27'-0"	2'-0"	2.9	4.1	5.3	6.5	4.5	6.1	7.7	9.3				
49"	33"	5'-6"	14'-6"	20'-0"	25'-6"	31'-0"	2'-0"	3.5	4.9	6.3	7.7	5.5	7.4	9.3	11.2				
57"	38"	6'-4"	16'-6"	22'-10"	29'-2"	35'-6"	2'-0"	4.4	6.1	7.8	9.5	6.9	9.2	11.5	13.8				
64"	43"	7'-1"	18'-3"	25'-4"	32'-5"	39'-6"	2'-0"	5.1	7.0	8.9	10.8	8.1	10.7	13.3	15.9				
71"	47"	7'-10"	20'-0"	27'-10"	35'-8"	43'-6"	2'-0"	5.9	8.1	10.3	12.5	9.5	12.4	15.3	18.2				

DIMENSIONS AND QUANTITIES FOR ROUND PIPE CULVERTS

DIMENSIONS AND QUANTITIES FOR ROUND PIPE CULVERTS																	
Pipe Dia.	Dimensions					Quantity of Sand-Bag and Sand-Bag Cement Riprap in Cu. Yds. for One Endwall											
	X	Y				For 2:1 Slopes				For 4:1 Slopes				For 6:1 Slopes			
		1-Pipe	2-Pipes	3-Pipes	4-Pipes	1-Pipe	2-Pipes	3-Pipes	4-Pipes	1-Pipe	2-Pipes	3-Pipes	4-Pipes	1-Pipe	2-Pipes	3-Pipes	4-Pipes
15"	2'-7"	7'-0"	9'-7"	12'-2"	14'-9"	1.2	1.6	2.1	2.6	1.7	2.4	3.0	3.6				
18"	2'-10"	8'-0"	10'-10"	13'-8"	16'-6"	1.4	2.0	2.6	3.1	2.1	2.9	3.7	4.4				
24"	3'-5"	10'-0"	13'-5"	16'-10"	20'-3"	1.9	2.7	3.5	4.3	2.9	4.0	5.1	6.3				
30"	4'-3"	12'-0"	16'-3"	20'-6"	24'-9"	2.5	3.6	4.8	5.9	3.8	5.4	7.0	8.6				
36"	5'-1"	14'-0"	19'-1"	24'-2"	29'-3"	3.1	4.6	6.2	7.7	4.8	7.0	9.2	11.4				
42"	6'-0"	16'-0"	22'-0"	28'-0"	34'-0"	3.8	5.8	7.7	9.7	6.0	8.8	11.7	14.5				
48"	6'-9"	18'-0"	24'-9"	31'-6"	38'-3"	4.5	7.0	9.4	11.8	7.2	10.8	14.3	17.9				
54"	7'-8"	20'-0"	27'-8"	35'-4"	43'-0"	5.3	8.3	11.3	14.2	8.5	12.9	17.3	21.7				
60"	8'-6"	22'-0"	30'-6"	39'-0"	47'-6"	6.2	9.7	13.3	16.9	10.0	15.3	20.6	25.9				

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Michael J. Mooney
12-15-92

BY DATE		BY DATE		REVISIONS		BY DATE		PRELIMINARY		DESIGN		APPROVED BY:		CITRUS COUNTY CENTRAL LANDFILL U-TYPE SAND-BAG AND OR SAND-BAG CEMENT ENDWALL DETAILS		PROJECT NUMBER 89-615		SHEET 7	
BY DATE		BY DATE		BY DATE		BY DATE		BY DATE		BY DATE		DATE		SECTION 1 TOWNSHIP 19 RANGE 18		SCALE N.T.S.		FILE: LAND-F2	
								DRAWN JMM 11/92		JMM 11/92									
								DESIGNED RD 11/92		RD 11/92									
								CHECKED MDM 11/92		MDM 11/92									

CITRUS COUNTY
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DIVISION OF ENGINEERING
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