

July 3, 2025

Mr. Hunter Baker
Alabama Department of Environmental Management (ADEM)
Land Division – Solid Waste Branch
1400 Coliseum Blvd.
Montgomery, Alabama 36110
Hunter.Baker@adem.alabama.gov

**RE: Closure Notification and Minor Modification Request
Pineview Landfill
ADEM Permit No. 64-11**

Dear Mr. Baker:

On behalf of our client, BFI Waste Systems of Alabama, LLC (the Owner), we are pleased to submit this notice of final closure and minor permit modification request for Pineview Landfill located in Dora, Alabama. Included herein are a permit modification application, a discussion of the requested modifications, updated Design and Operation Plan, and revised Permit Drawings. Permit fees will be remitted under separate cover. The specifics of each are discussed in the paragraphs below.

FINAL CLOSURE NOTIFICATION

The facility will receive the final load of waste on or before June 30, 2025. The total permitted facility footprint is comprised of 169 acres; however, only 106 acres have been constructed to date. The Owner has completed closure construction of approximately 67 acres. The Owner plans to begin final closure construction of the remaining 39 acres in the Summer of 2025. It is estimated that closure construction will be complete in early 2026. Upon completion of the final closure construction, a Construction Quality Assurance (CQA) Report will be submitted to ADEM, and the required deed notation will be filed.

D&O PLAN MODIFICATIONS

Section 6 (Closure and Post-Closure Plan) of the D&O Plan has been updated to correct inconsistencies regarding the final cover system component thicknesses. The currently-approved D&O Plan with the revised pages is submitted herein.

PERMIT DRAWING MODIFICATIONS

We have revised Sheets 1, 3, 6, 7, and 8 to reflect the proposed final closure condition of the facility. Portions of the east and south slopes were filled to final permitted elevation; however, the majority of slopes have not reached final permitted elevation. In accordance with the facility permit parameters, these slopes were filled to a maximum 4H:1V and minimum 5% grade. Stormwater from the closed landfill will be conveyed to the same sediment ponds that are currently in use at the facility, and the maximum design tributaries have been maintained. Diversion berms will be constructed at the maximum 20-foot permitted vertical spacing, and surface water will be conveyed to downdrain pipes at approximately the same spacing as currently permitted.

We have also revised Sheet 11 (Environmental Monitoring Plan) to depict proposed revisions to the gas monitoring network. The revised explosive gas monitoring locations have been revised to meet the following criteria:

- Maximum 300-foot spacing between monitoring points around the facility perimeter.
- Maximum 100-foot spacing at locations in which an offsite structure is located with 1,000 feet of the landfill.

The currently permitted explosive gas monitoring network is based on the permitted future limits of landfill, portions of which will not be constructed. We are therefore presenting an alternate network based on the limits of the landfill as constructed. We are not proposing revisions to the written D&O Plan regarding explosive gas monitoring.

The revised drawings provided herein depict the proposed final closure condition of the facility. If at a later time the Owner decides to construct the future un-constructed cells, a permit modification and revised permit drawings will be submitted to ADEM prior to commencement of construction.

Mr. Hunter Baker
July 3, 2025
Page 3 of 6

We appreciate your time and effort in reviewing this minor permit modification request. Should you have any questions or comments, please contact me via phone at (423) 580-6763 or email at rwitcher@promusengineering.com.

Sincerely,

PROMUS ENGINEERING, LLC



C. Rob Witcher, PE
Principal Engineer

*Distribution: Mr. Hunter Baker, ADEM
Ms. Amber Hoffman, BFI Waste Systems of Alabama, LLC*

*Attachments: Permit Application Form
Revised Permit Drawings
Revised Portions of D&O Plan*

Attachment 1

Permit Application Form

SOLID WASTE APPLICATION

PERMIT APPLICATION
SOLID WASTE DISPOSAL FACILITY
ALABAMA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
(Submit in Triplicate)

1. Facility type: Municipal Solid Waste Landfill (MSWLF)
 Industrial Landfill (ILF)
 Construction and Demolition Landfill (C/DLF)
 CCR Landfill (CCRLF)
 CCR Surface Impoundment (CCRSI)
 Other (explain) _____

2. Facility Name Pineview Sanitary Landfill

3. Applicant/Permittee:

Name: BFI Waste Systems of Alabama, LLC

Address: 2730 Bryan Road
Dora, Alabama 35062

Telephone: (205) 648-1000

If applicant/permittee is a Corporation, please list officers:

Officers to be provided under separate cover

4. Location: (include county highway map or USGS map)

Township 15 S Range 5 W
Section 22, 27, & 28 County Walker

5. Land Owner:

Name: Walker County Disposal, Inc.

Address: PO Box 29246
Phoenix, Arizona 85038

Telephone: (205) 648-1000

(Attach copy of agreement from landowner if applicable.)

Solid Waste Permit Application
Page 2

6. Contact Person:

Name Howard Peterson

Position or Affiliation General Manager

Address: 2730 Bryan Road
Dora, Alabama 35062

Telephone: (205) 648-1000

7. Size of Facility:

(205) 648-1000 Acres

Size of Disposal Area(s):

169 Acres

8. Identify proposed service area or specific industry that waste will be received from:

The Alabama counties of Walker, Jefferson, Shelby, Cullman, Blount, Winston,
Fayette, Marion, Tuscaloosa, and their respective municipalities.

9. Proposed maximum average daily volume to be received at landfill (choose one):

1,500 Tons/Day _____ Cubic Yards/Day

10. List all waste streams to be accepted at the facility (i.e., household solid waste, wood boiler ash, tires, trees, limbs, stumps, etc.):

Non-hazardous, non-infectious, putrescible and non-putrescible waste including, but not limited to
household garbage, industrial waste, commercial solid wastes and construction and demolition
waste and other similar waste types. Special wastes approved by the ADEM may also be accepted.

SIGNATURE (Responsible official of permit applicant):



TITLE: General Manager

Howard Peterson
(please print or type name)

DATE: 7/24/2025

Attachment 2

Revised Permit Drawings

PERMIT DRAWINGS FOR PINEVIEW SANITARY LANDFILL

2730 BRYAN ROAD
DORA, ALABAMA 35062
SITE ENTRANCE AT:
N 33° 42' 39"
W 87° 03' 01"

PROJECT NUMBER: 230211

PREPARED FOR:

BFI WASTE SYSTEMS OF ALABAMA, LLC

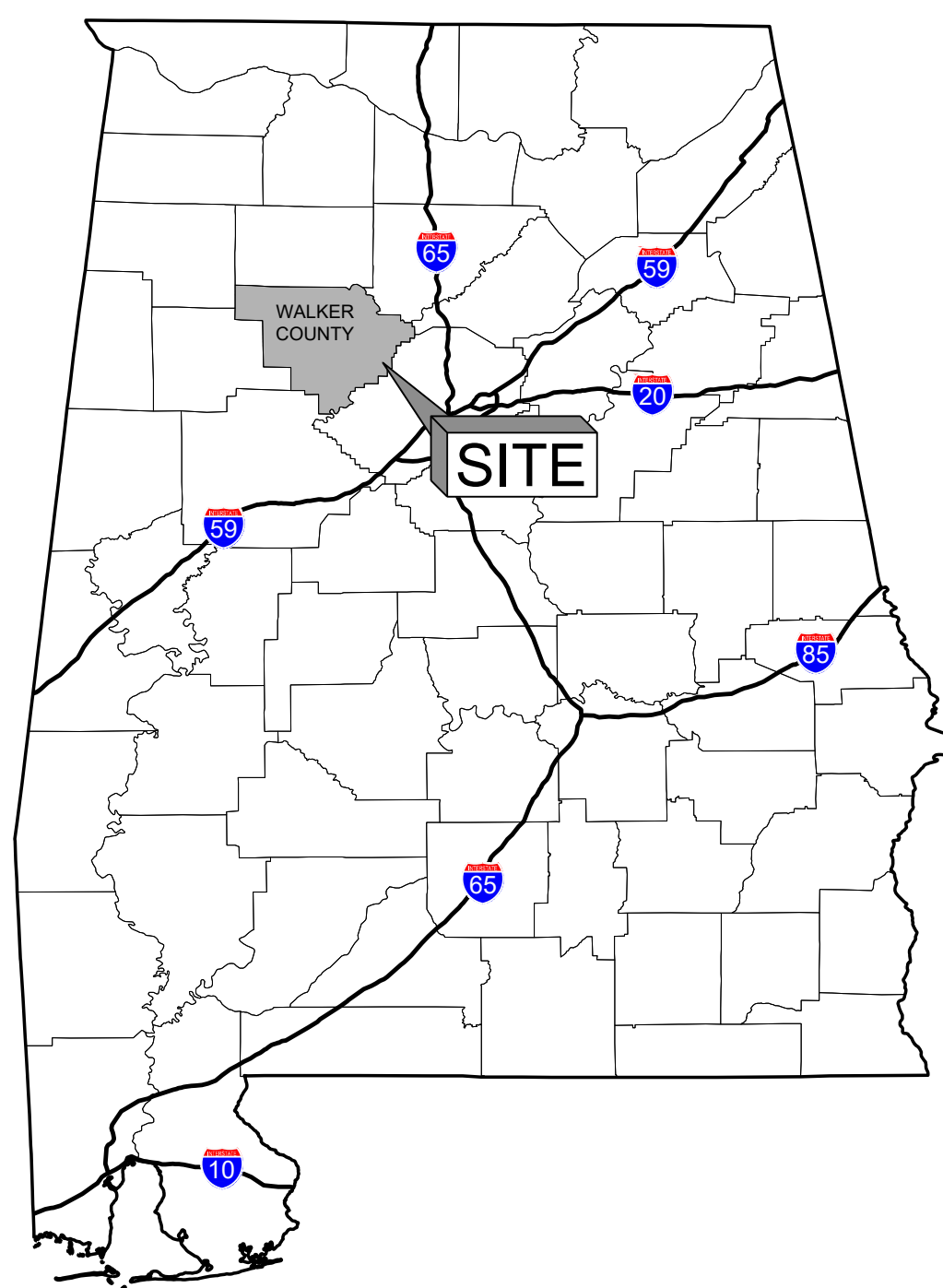


OWNER CONTACT:
MS. AMBER HOFFMAN
2730 BRYAN ROAD
DORA, ALABAMA 35062

PLANS PREPARED BY:



1200 MOUNTAIN CREEK RD., SUITE 102 CHATTANOOGA, TENNESSEE 37405
Phone: (888) 811-9066



VICINITY MAP



SITE LOCATION MAP



DRAWING SHEETS

SHEET #	SHEET TITLE
1	COVER SHEET
2	BOUNDARY SURVEY (JAMES R. BOATRIGHT - 1992)
3	GENERAL SITE PLAN
4	SUBGRADE PLAN (TERRACON - 2010)
5	SUBGRADE POTENTIOMETRIC SURFACE OVERLAY (TERRACON - 2010)
5A	BASEGRADE PLAN (TERRACON - 2010)
6	FINAL COVER PLAN
7	STORMWATER MANAGEMENT PLAN
8	SITE DRAINAGE PLAN
9A	SEDIMENT PONDS 1-3 (BCM - 1992)
9B	SEDIMENT PONDS 5 & 6 (BCM - 1992)
10	SEDIMENT POND DETAILS (BCM - 1992)
11	ENVIRONMENTAL MONITORING PLAN
12	CROSS SECTIONS I (AQUATERRA - 2004)
13	CROSS SECTIONS II (AQUATERRA - 2004)
14	CONSTRUCTION DETAILS I (TERRACON - 2010)
15	CONSTRUCTION DETAILS II
16	CONSTRUCTION DETAILS III
17	CONSTRUCTION DETAILS IV (AQUATERRA - 2004)

REV	DATE	DES BY	DRA BY	APPR BY	DESCRIPTION
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PREPARED FOR:

REPUBLIC SERVICES

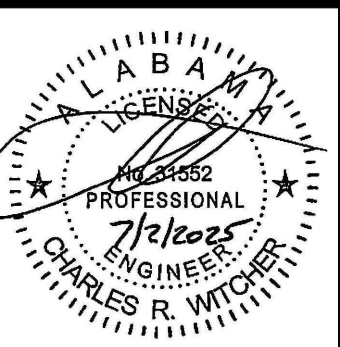


PREPARED BY:

PROMUS ENGINEERING



1200 MOUNTAIN CREEK RD., SUITE 102 CHATTANOOGA, TENNESSEE 37405
Phone: (888) 811-9066



COVER SHEET

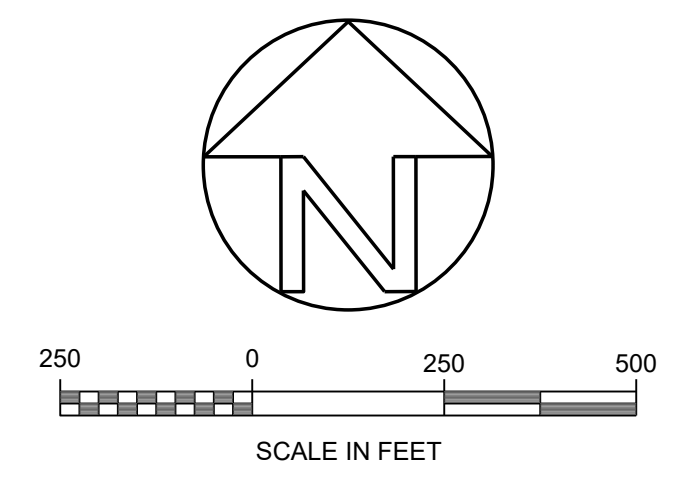
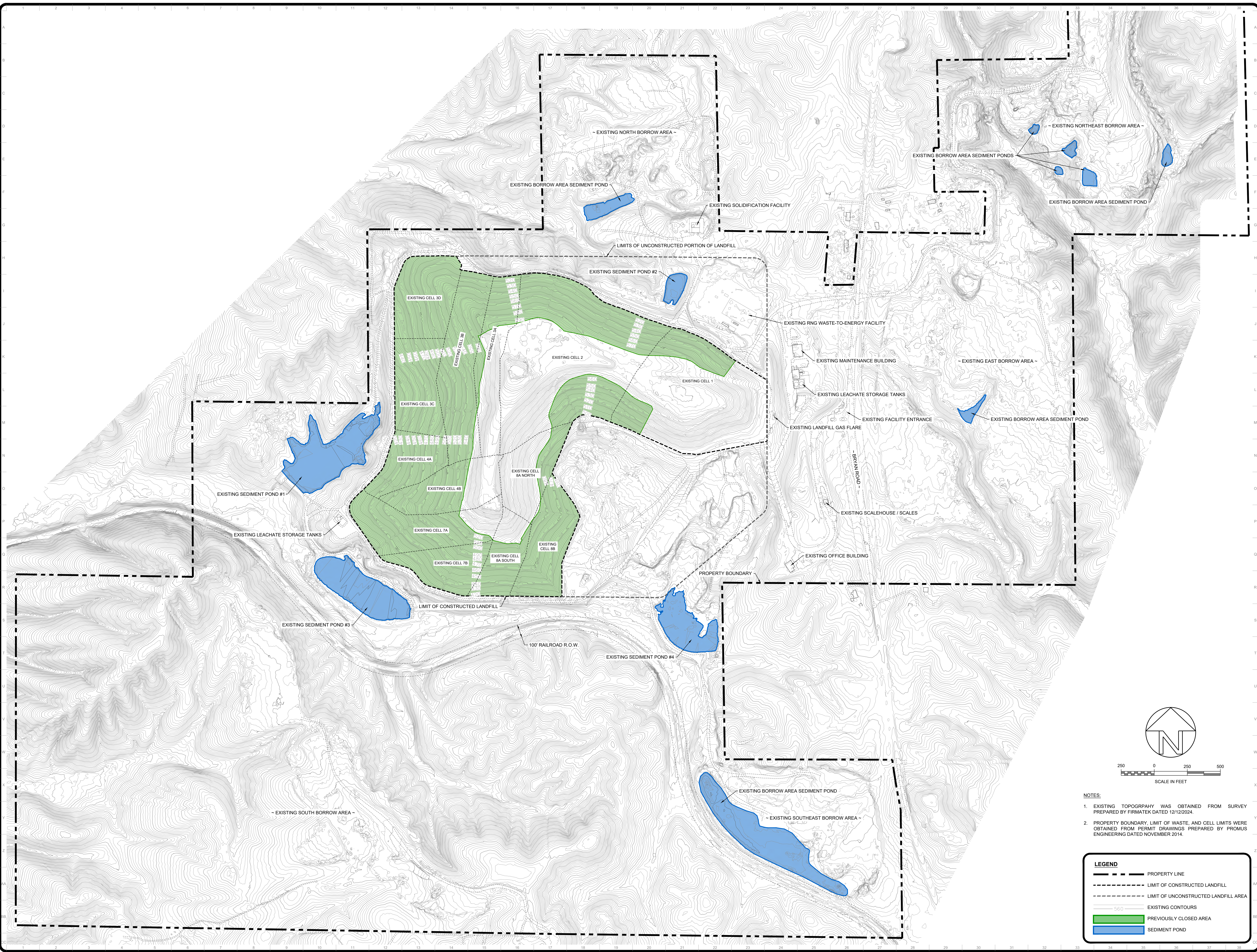
PERMIT DRAWINGS
PINEVIEW SANITARY LANDFILL
2730 BRYAN ROAD
DORA, ALABAMA 35062

PROJECT NO: 230211
SHEET NUMBER

1

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- NOTES:**
- EXISTING TOPOGRAPHY WAS OBTAINED FROM SURVEY PREPARED BY FIRMATEK DATED 12/12/2024.
 - PROPERTY BOUNDARY, LIMIT OF WASTE, AND CELL LIMITS WERE OBTAINED FROM PERMIT DRAWINGS PREPARED BY PROMUS ENGINEERING DATED NOVEMBER 2014.

LEGEND	
	PROPERTY LINE
	LIMIT OF CONSTRUCTED LANDFILL
	LIMIT OF UNCONSTRUCTED LANDFILL AREA
	EXISTING CONTOURS
	PREVIOUSLY CLOSED AREA
	SEDIMENT POND

<p>REPUBLIC SERVICES</p> <p>BFI WASTE SYSTEMS OF ALABAMA, LLC</p>	<p>PREPARED FOR:</p> <p>PROMUS ENGINEERING</p> <p>1200 MOUNTAIN CREEK RD, SUITE 102, CHATTANOOGA, TENNESSEE 37405</p> <p>Phone: (888) 811-9066</p>	<p>GENERAL SITE PLAN</p> <p>PERMIT DRAWINGS</p> <p>PINEVIEW SANITARY LANDFILL</p> <p>2730 BRYAN ROAD</p> <p>DORA, ALABAMA 35062</p>	<p>PROJECT NO.: 230211</p> <p>SHEET NUMBER</p> <p>3</p>										
<table border="1"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>DES. BY</th> <th>APP. BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>8/10/2025</td> <td>CRW</td> <td>CRW</td> <td>ISSUED FOR PERMITTING</td> </tr> </tbody> </table>	REV	DATE	DES. BY	APP. BY	DESCRIPTION	0	8/10/2025	CRW	CRW	ISSUED FOR PERMITTING			
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CELLS 1, 2, 3A-3D, & 4A ARE CURRENTLY CONSTRUCTED

LEGEND

	EXISTING INDEX CONTOUR
	EXISTING INTERMEDIATE CONTOUR
	PROPOSED INDEX CONTOUR
	PROPOSED INTERMEDIATE CONTOUR
	PROPOSED GRAVEL PAVING
	PROPOSED STORM PIPE
	PROPOSED LIMIT OF CELL
	PROPOSED WASTE LIMITS
	RIPRAP CHANNEL PROTECTION
	FORCE MAIN (CONCEPTUAL LAYOUT)
	TEMPORARY FORCE MAIN (APPROXIMATE LOCATION)

- NOTES:**
- PROPERTY LINE INSERTED FROM NORTHINGS, EASTINGS, AS DEPICTED ON SHEET C-2 OF THE ORIGINAL PERMIT SET BY BCM, SEPTEMBER 1992. BOUNDARY IS NOT INTENDED TO BE A LEGAL BOUNDARY SURVEY AND IS NOT FOR RECORDING PURPOSES.
 - TOPOGRAPHY FROM AN AERIAL SURVEY BY BASE MAPPING, DATE OF PHOTOGRAPH MARCH 5, 2010.
 - FUTURE PONDS 2, 4, 5, AND 6 ARE DIGITIZED FROM THE ORIGINAL PERMIT SET BY BCM, SEPTEMBER 1992. NO MODIFICATIONS TO THE PONDS ARE PROPOSED.

PREPARED BY: **Terracon**
Consulting Engineers and Scientists
Aqualera Engineering, LLC • 260 Heritage Walk • Woodstock, GA 30188
Phone: 770.925.9799 Fax: 770.924.1282

PREPARED FOR: **REPUBLIC SERVICES, INC.**
A SUBSIDIARY OF: **BFI WASTE SYSTEMS OF ALABAMA, INC.**
PINEVIEW LANDFILL
2730 BRYAN ROAD
DUNWOODY, GA 30092
(404) 448-1000

NO.	DATE	BY	DESCRIPTION
1	03/05/10	ADN/MSB/MSD	ISSUED FOR PERMIT
2	03/05/10	ADN/MSB/MSD	REVISIONS (R) RECORD

CHECKED BY: CWM APPROVED BY: CWM

PROJECT NUMBER: **4**

DRAWING NUMBER: **4**

SUBGRADE PLAN (BOTTOM OF SOIL LINER) PERMIT MODIFICATIONS PINE VIEW SANITARY LANDFILL WALKER COUNTY, ALABAMA



FIELD ADJUSTMENTS MAY BE REQUIRED AT TIE-INS WITH EXISTING CELLS (TYPICAL OF ALL). TIE-IN SLOPES SHALL BE A MINIMUM 3% AND MAXIMUM 3H:1V AND SHALL PROMOTE POSITIVE DRAINAGE TOWARD THE LEACHATE COLLECTION LINE OR SUMP.

CELLS 1, 2, 3A-3D, & 4A ARE CURRENTLY CONSTRUCTED

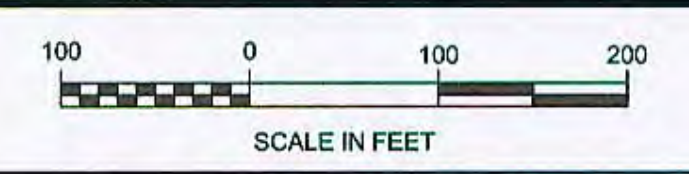
- REVISION 2:
- REVISED LEACHATE FORCE MAIN ROUTE
 - ADDED LEACHATE COLLECTION TANK IN SW CORNER OF THE SITE
 - ADDED TOP OF SOIL LINER SURFACE
 - ADDED CHIMNEY DRAINS
 - REVISED LEACHATE COLLECTION LINES
 - ADDED NEW SUMPS
 - REVISED CELL 5B GRADING

- NOTES:
1. PROPERTY LINE INSERTED FROM NORTHINGS, EASTINGS, AS DEPICTED ON SHEET C-2 OF THE ORIGINAL PERMIT SET BY BCM, SEPTEMBER 1992. BOUNDARY IS NOT INTENDED TO BE A LEGAL BOUNDARY SURVEY AND IS NOT FOR RECORDING PURPOSES.
 2. TOPOGRAPHY FROM AN AERIAL SURVEY BY BASE MAPPING, DATE OF PHOTOGRAPH MARCH 5, 2010.
 3. FUTURE PONDS 2, 4, 5, AND 6 ARE DIGITIZED FROM THE ORIGINAL PERMIT SET BY BCM, SEPTEMBER 1992. NO MODIFICATIONS TO THE PONDS ARE PROPOSED.
 4. AIR RELEASE VALVES SHALL BE SET AT TOPOGRAPHICAL HIGH POINTS. FORCE MAIN CLEANOUTS AND AIR RELEASE VALVES MAY BE ADJUSTED AS NECESSARY.
 5. CONTOURS SHOWN HEREON WITHIN THE LIMITS OF WASTE REPRESENT THE TOP OF COMPACTED SOIL LINER AND MAY BE ADJUSTED BASED ON LOCATION OF SUBSURFACE ROCK LAYERS.
 6. CHIMNEY DRAIN LOCATIONS MAY BE MODIFIED AS DIRECTED BY THE DESIGN ENGINEER FOR CELL CONSTRUCTION EVENTS PROVIDED THAT THE MAXIMUM SPACING AS PROVIDED ON THE DETAILS HEREIN ARE MET.

LEGEND

430	EXISTING INDEX CONTOUR
---	EXISTING INTERMEDIATE CONTOUR
430	PROPOSED INDEX CONTOUR
---	PROPOSED INTERMEDIATE CONTOUR
---	PROPOSED GRAVEL PAVING
---	PROPOSED STORM PIPE
---	PROPOSED LIMIT OF CELL
---	PROPOSED WASTE LIMITS
---	PROPOSED LEACHATE COLLECTION PIPE
---	RIPRAP CHANNEL PROTECTION
---	LEACHATE COLLECTION SUMP
---	FORCE MAIN (CONCEPTUAL LAYOUT)
---	TEMPORARY FORCE MAIN (APPROXIMATE LOCATION)
---	CHIMNEY DRAIN

NOTE: GRADES REPRESENT TOP OF CLAY LINER WITH 1 FOOT CLAY LINER OPTION.



PREPARED BY: **Terracon** Consulting Engineers and Scientists
 Aquilum Engineering, LLC • 240 Heritage Walk • Woodstock, GA 30188
 Phone: 770.924.9799 Fax: 770.924.7895

PREPARED FOR: **REPUBLIC SERVICES, INC.**
 A SUBSIDIARY OF: BFI WASTE SYSTEMS OF ALABAMA, INC.
 PINEVIEW LANSBELL
 2730 BRYAN ROAD
 DORA, ALABAMA 35082
 (205) 696-1000

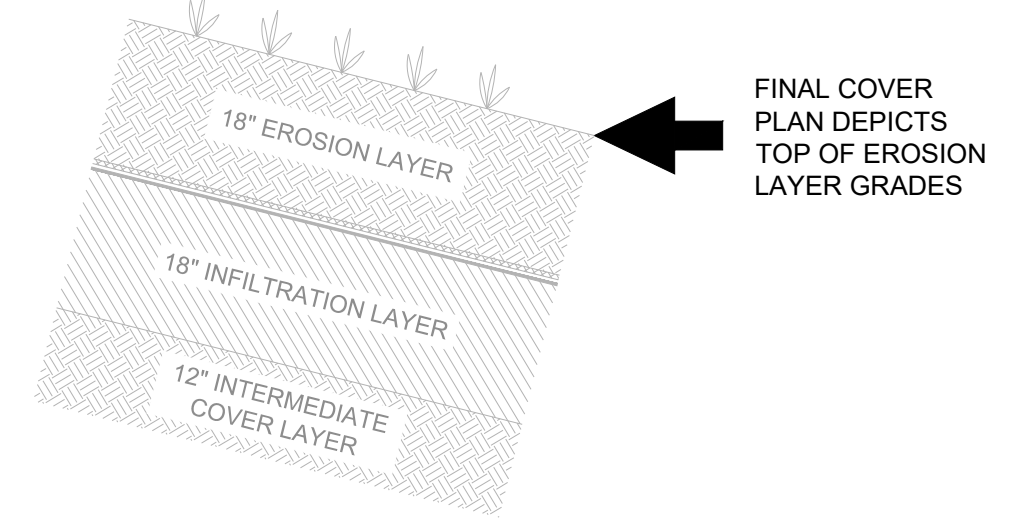
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2	12/20/10

CHECKED BY: CWM APPROVED BY: CWM

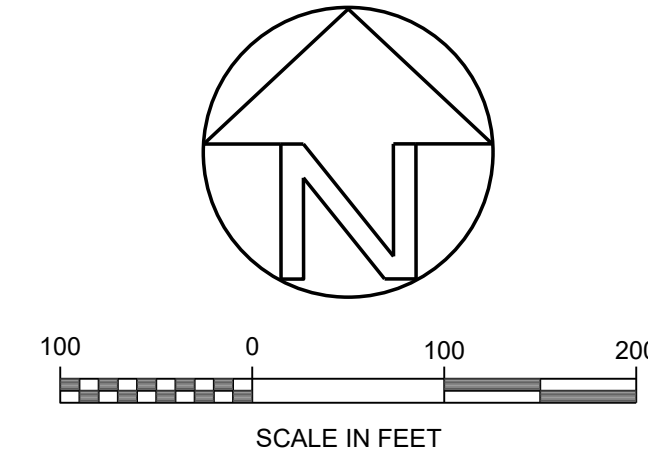
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 DRAWING NUMBER: 5A

BASEGRADE PLAN (TOP OF SOIL LINER)
 PERMIT MODIFICATIONS
 PINE VIEW SANITARY LANDFILL
 WALKER COUNTY, ALABAMA

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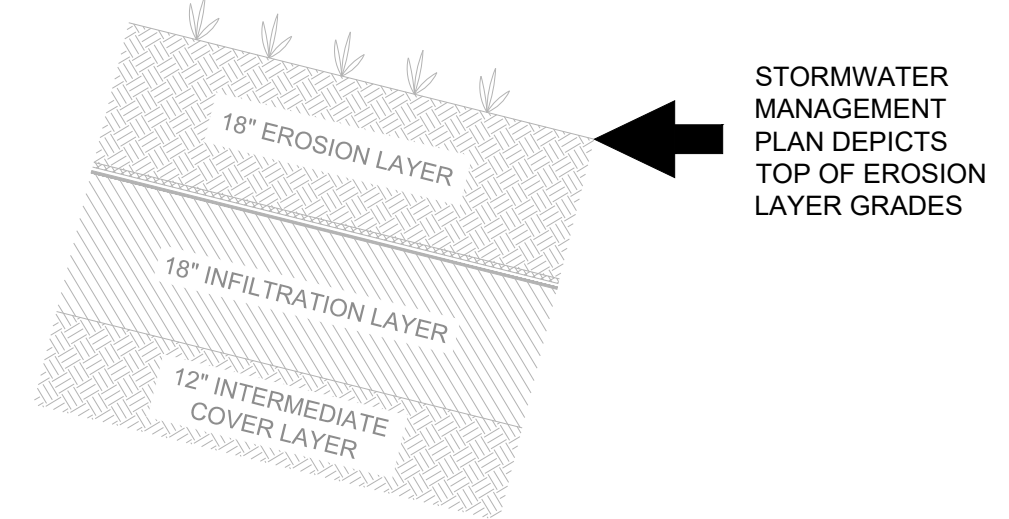
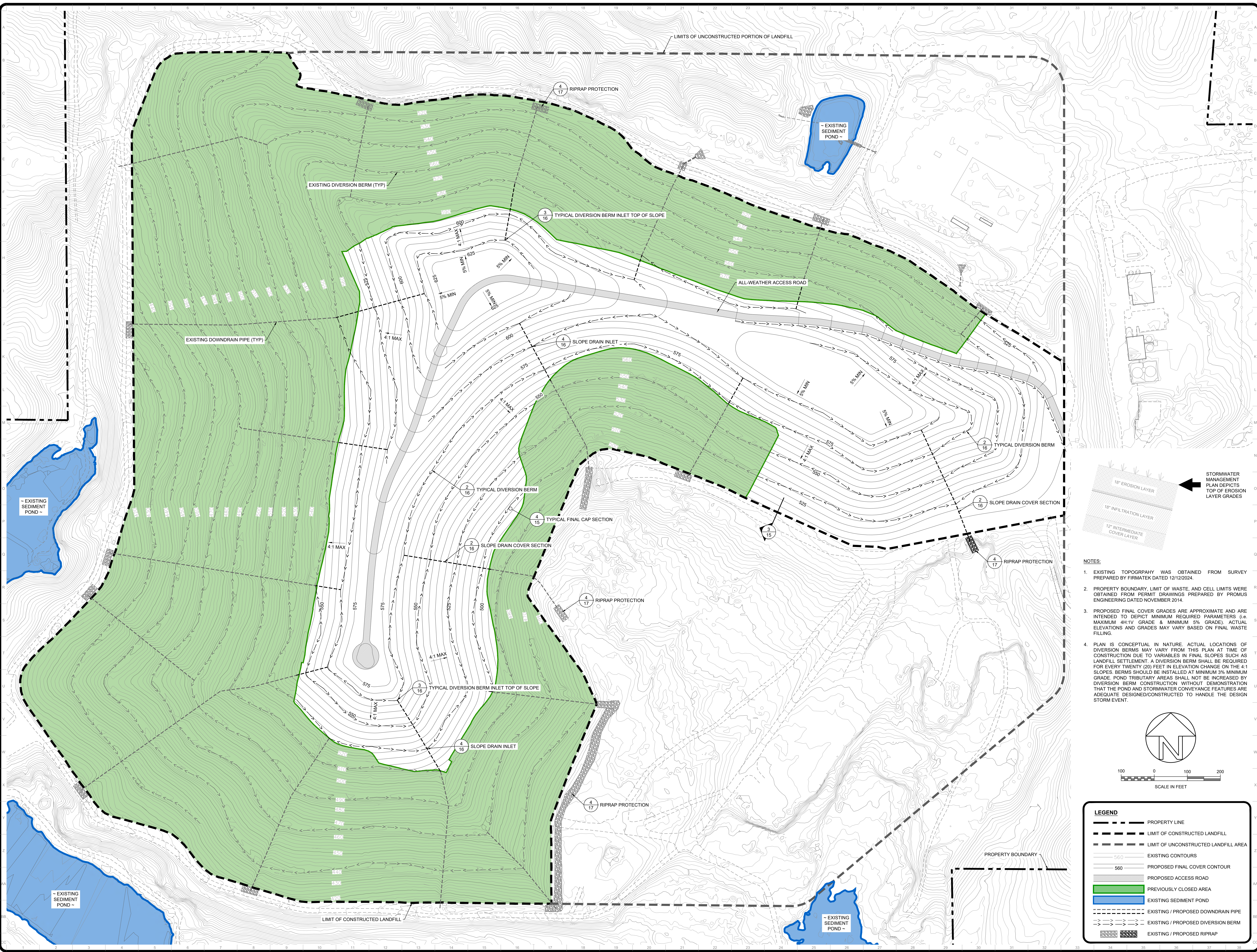
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 - PROPOSED FINAL COVER GRADES ARE APPROXIMATE AND ARE INTENDED TO DEPICT MINIMUM REQUIRED PARAMETERS (i.e. MAXIMUM 4:1 V. GRADE & MINIMUM 5% GRADE). ACTUAL ELEVATIONS AND GRADES MAY VARY BASED ON FINAL WASTE FILLING.



LEGEND	
	PROPERTY LINE
	LIMIT OF CONSTRUCTED LANDFILL
	LIMIT OF UNCONSTRUCTED LANDFILL AREA
	EXISTING CONTOURS
	PROPOSED FINAL COVER CONTOUR
	PROPOSED ACCESS ROAD
	PREVIOUSLY CLOSED AREA
	EXISTING SEDIMENT POND

<p>PREPARED FOR: BFI WASTE SYSTEMS OF ALABAMA, LLC</p> <p>PREPARED BY: PROMIS ENGINEERING 1200 MOUNTAIN CREEK RD., SUITE 102, CHATTANOOGA, TENNESSEE 37405 Phone: (888) 811-9066</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>DES. BY</th> <th>APPR. BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>07/02/2025</td> <td>CRW</td> <td>CRW</td> <td>ISSUED FOR PERMITTING</td> </tr> </tbody> </table>	REV	DATE	DES. BY	APPR. BY	DESCRIPTION	0	07/02/2025	CRW	CRW	ISSUED FOR PERMITTING
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<p>FINAL COVER PLAN</p> <p>PERMIT DRAWINGS PINEVIEW SANITARY LANDFILL 2730 BRYAN ROAD DORA, ALABAMA 35062</p>											
<p>PROJECT NO. 230211 SHEET NUMBER</p> <p style="font-size: 2em; font-weight: bold;">6</p>											

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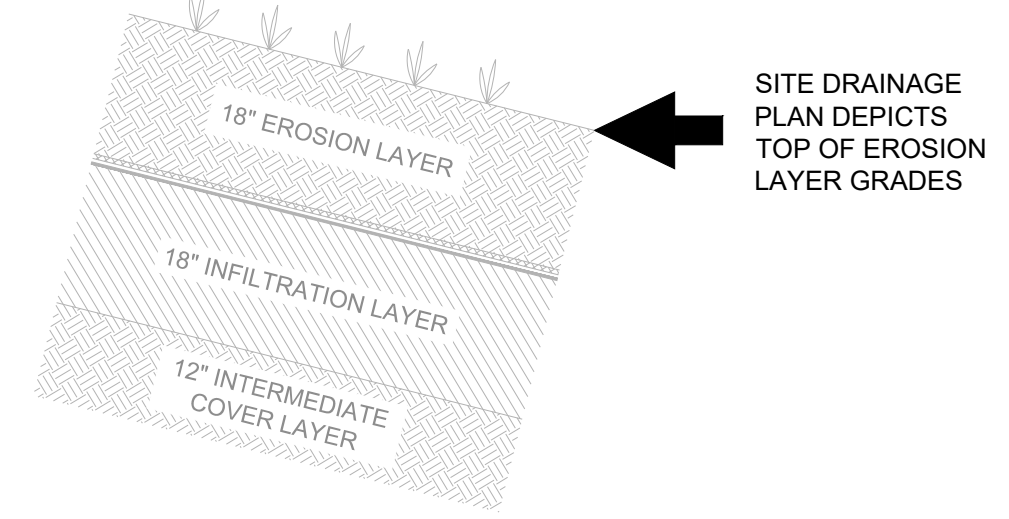
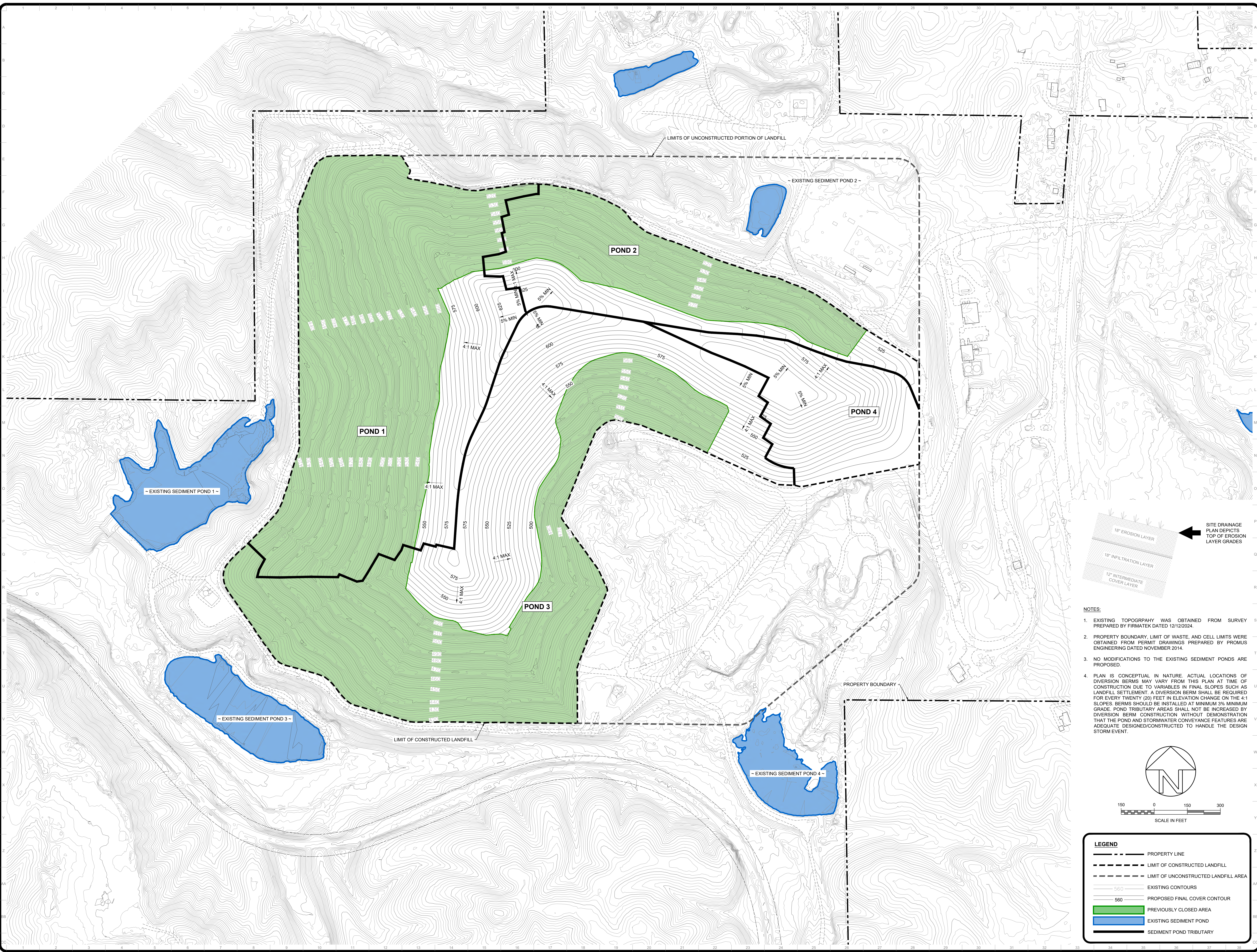
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 - PLAN IS CONCEPTUAL IN NATURE, ACTUAL LOCATIONS OF DIVERSION BERMS MAY VARY FROM THIS PLAN AT TIME OF CONSTRUCTION DUE TO VARIABLES IN FINAL SLOPES SUCH AS LANDFILL SETTLEMENT. A DIVERSION BERM SHALL BE REQUIRED FOR EVERY TWENTY (20) FEET IN ELEVATION CHANGE ON THE 4:1 SLOPES. BERMS SHOULD BE INSTALLED AT MINIMUM 3% MINIMUM GRADE. POND TRIBUTARY AREAS SHALL NOT BE INCREASED BY DIVERSION BERM CONSTRUCTION WITHOUT DEMONSTRATION THAT THE POND AND STORMWATER CONVEYANCE FEATURES ARE ADEQUATE DESIGNED/CONSTRUCTED TO HANDLE THE DESIGN STORM EVENT.

LEGEND

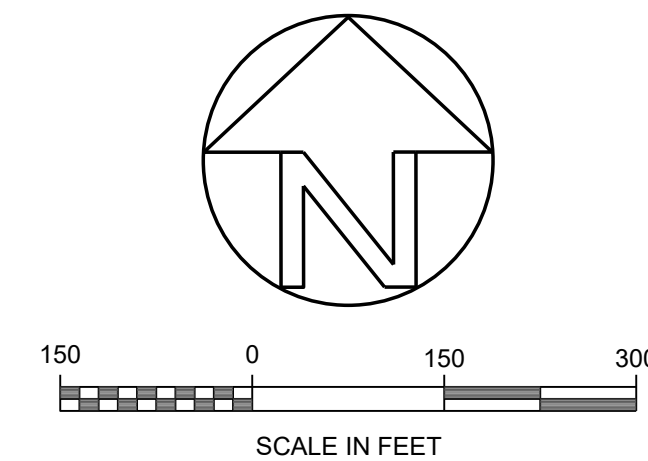
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	PROPOSED FINAL COVER CONTOUR
	PROPOSED ACCESS ROAD
	PREVIOUSLY CLOSED AREA
	EXISTING SEDIMENT POND
	EXISTING / PROPOSED DOWNDRAIN PIPE
	EXISTING / PROPOSED DIVERSION BERM
	EXISTING / PROPOSED RIPRAP

<p>PREPARED FOR: BFI WASTE SYSTEMS OF ALABAMA, LLC</p> <p>PREPARED BY: PROMUS ENGINEERING 1200 MOUNTAIN CREEK RD., SUITE 102, CHATTANOOGA, TENNESSEE 37405 Phone: (888) 811-9066</p>	<p>DESCRIPTION: ISSUED FOR PERMITTING</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV</th> <th>DATE</th> <th>DES. BY</th> <th>APPR. BY</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>07/30/2025</td> <td>CRW</td> <td>CRW</td> </tr> </tbody> </table>	REV	DATE	DES. BY	APPR. BY	0	07/30/2025	CRW	CRW
REV	DATE	DES. BY	APPR. BY						
0	07/30/2025	CRW	CRW						
<p>STORMWATER MANAGEMENT PLAN</p> <p>PERMIT DRAWINGS PINEVIEW SANITARY LANDFILL 2730 BRYAN ROAD DORA, ALABAMA 35062</p> <p>PROJECT NO.: 230211 SHEET NUMBER</p> <p style="font-size: 2em; font-weight: bold; text-align: center;">7</p>									

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LEGEND	
	PROPERTY LINE
	LIMIT OF CONSTRUCTED LANDFILL
	LIMIT OF UNCONSTRUCTED LANDFILL AREA
	EXISTING CONTOURS
	560 PROPOSED FINAL COVER CONTOUR
	PREVIOUSLY CLOSED AREA
	EXISTING SEDIMENT POND
	SEDIMENT POND TRIBUTARY

REV	DATE	DES. BY	APP. BY	DESCRIPTION
0	07/02/2025	CRW	CRW	ISSUED FOR PERMITTING

PREPARED FOR:
 BFI WASTE SYSTEMS OF ALABAMA, LLC

1200 MOUNTAIN CREEK RD, SUITE 102, CHATTANOOGA, TENNESSEE 37405
Phone: (888) 811-9066

REPUBLIC SERVICES

PREPARED BY:
 PROMIS ENGINEERING

CHARLES R. WITTE
Professional Engineer
No. 71965
Alabama State Board of Engineers

PROJECT NO.: 230211
 SHEET NUMBER

SITE DRAINAGE PLAN
 PERMIT DRAWINGS
 PINEVIEW SANITARY LANDFILL
 2730 BRYAN ROAD
 DORA, ALABAMA 35062

8

REVISIONS:

NO.	DATE	DESCRIPTION
1	07/13/2005	RELOCATE FILLER WARP 3 07/05
2	07/13/2005	RELOCATE FILLER WARP 3 07/05

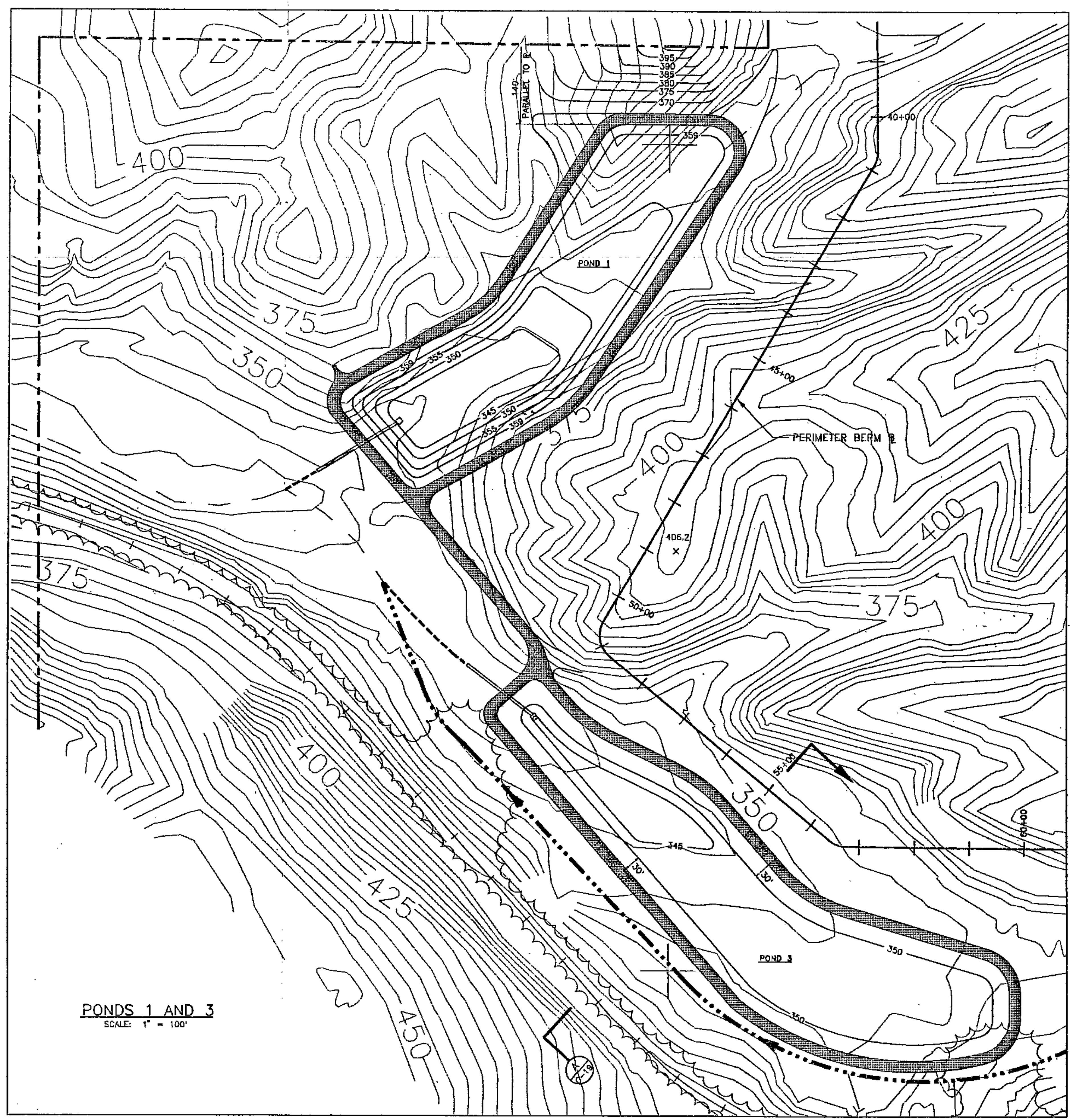
DRAFTED BY: CWM
 APPROVED BY: CWM 10/07/04

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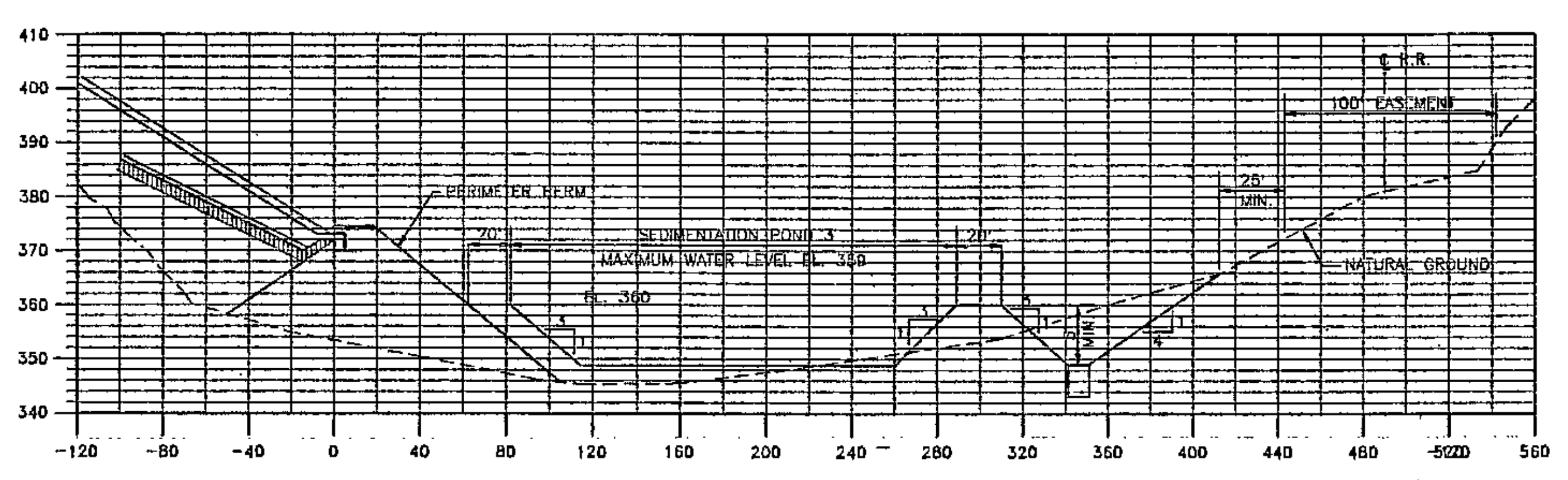
SEDIMENT PONDS 1-3
 PERMIT RENEWAL & MODIFICATIONS
 PINE VIEW SANITARY LANDFILL
 WALKER COUNTY, ALABAMA

PROJECT NUMBER 114005
 DRAWING NUMBER 9A

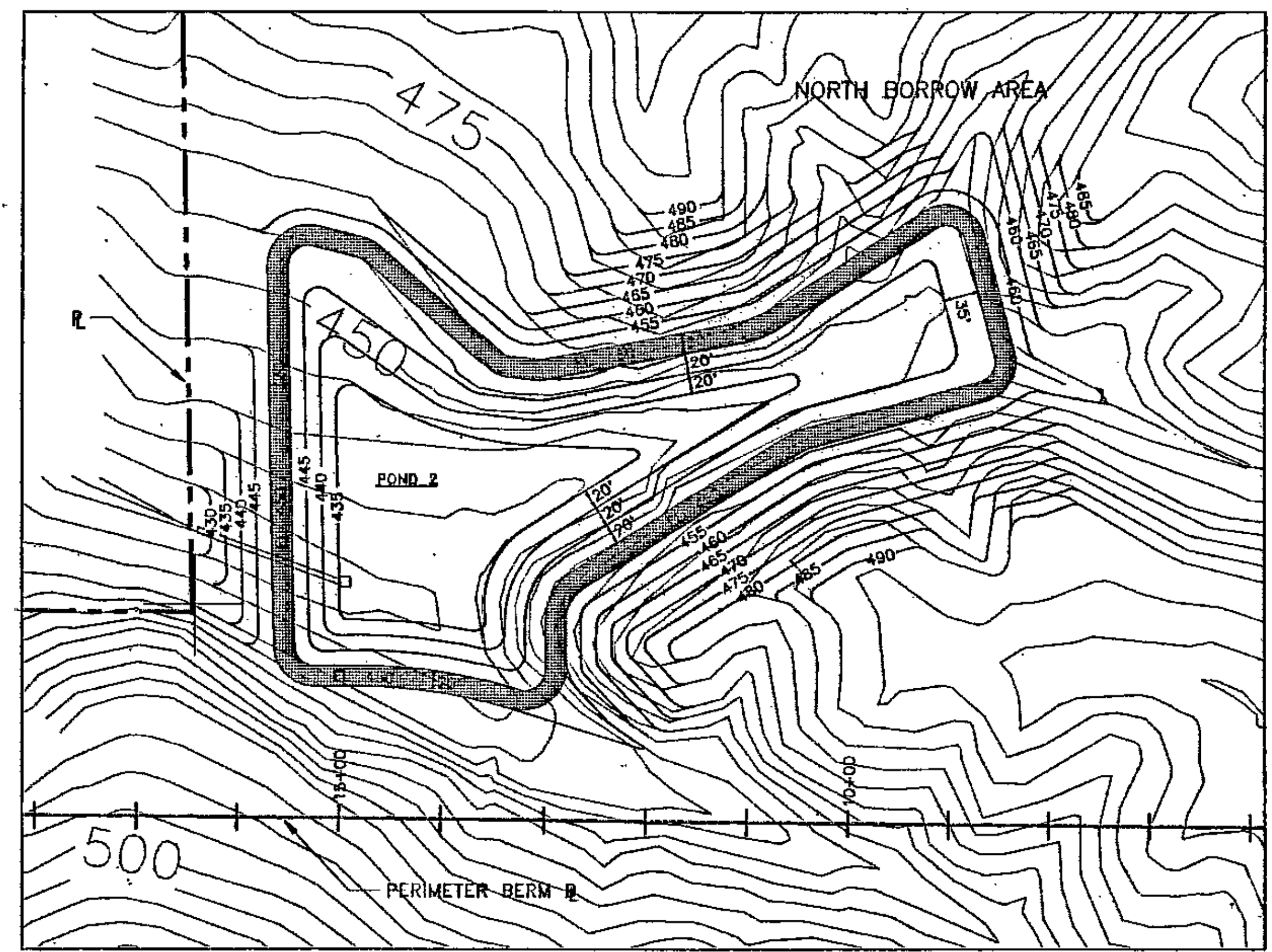
16-19 09/31/92 11:22



PONDS 1 AND 3
 SCALE: 1" = 100'










SECTION A - A
 HORIZ. 1" = 50'
 VERT. 1" = 20'




POND 2
 SCALE: 1" = 100'

LEGEND

-  EXISTING CONTOUR
-  FINAL CONTOUR
-  ACCESS ROAD
-  OUTLET STRUCTURE WITH DISCHARGE PIPE
-  EXISTING DRAINAGEWAY
-  RELOCATED DRAINAGEWAY
-  PROPOSED OUTFALL DITCH

- NOTES:**
- UNLESS NOTED OTHERWISE, ALL SIDE SLOPES FOR POND CONSTRUCTION ARE 3H:1V.
 - SEDIMENTATION PONDS WILL BE LINED WITH TWO FEET OF COMPACTED SOIL, HAVING A MAXIMUM PERMEABILITY OF 1×10^{-5} CM/SEC.

PERMIT DRAWINGS

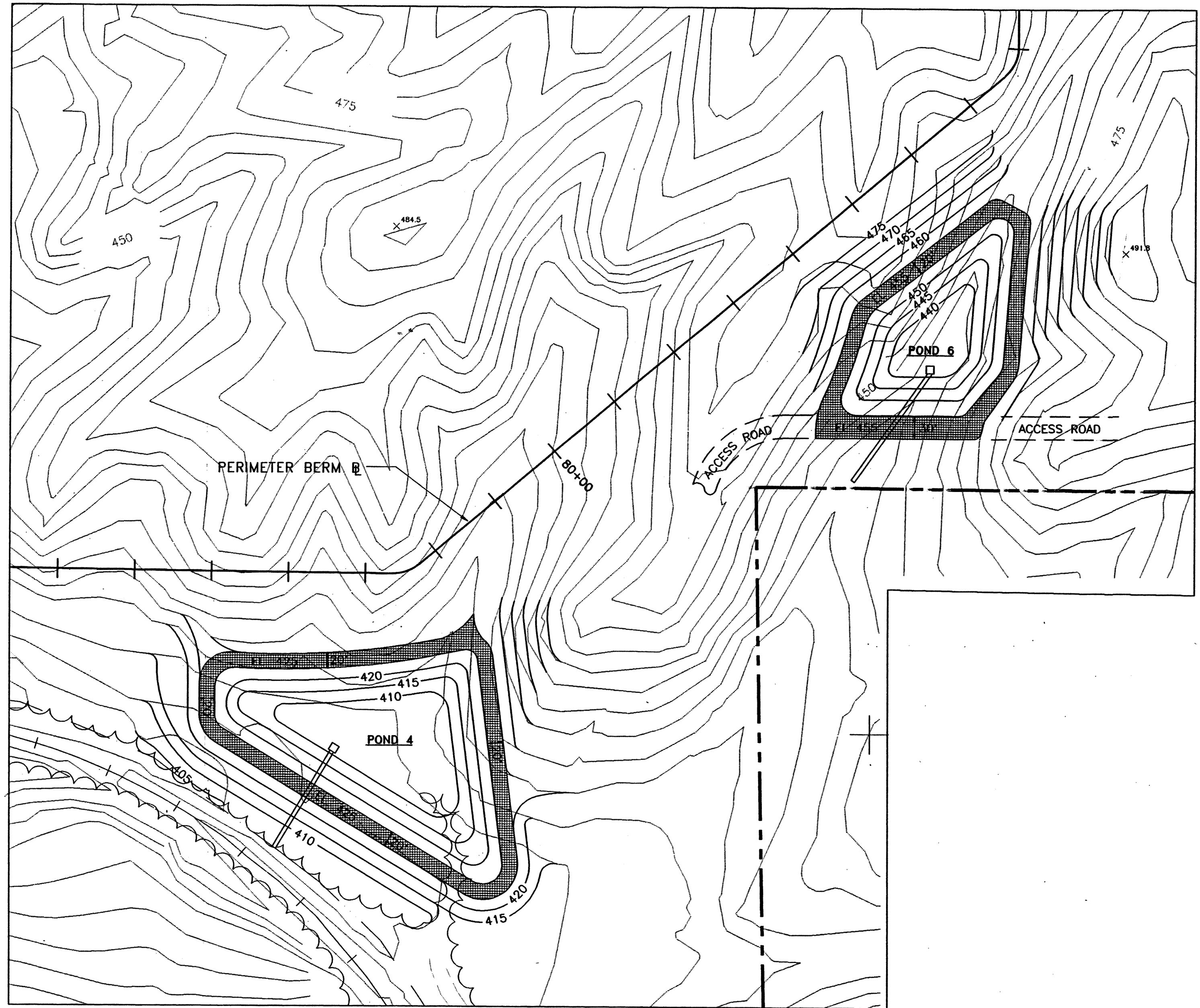
VERIFY SCALES 1/4" = ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	DESIGNER	D.B.H.	APPROVED		WALKER COUNTY DISPOSAL, INC. A SUBSIDIARY OF BFI DISPOSAL SYSTEMS OF ALABAMA, INC. PINE VIEW SANITARY LANDFILL SEDIMENTATION PONDS 1-3	SCALE	NOTED
	DRAWN BY	H.M.S.	PROJECT NO.			05-7520-14	
	ENGINEER	D.B.H.	DRAWING NO.			C-19	
	PROJECT MGR.	D.B.H.	SHEET			OF	
CHECKED BY	H.C.B.	DATE	SEPTEMBER 1992				

NO.	REVISION	DATE	ENG.	DATE	ISSUED FOR

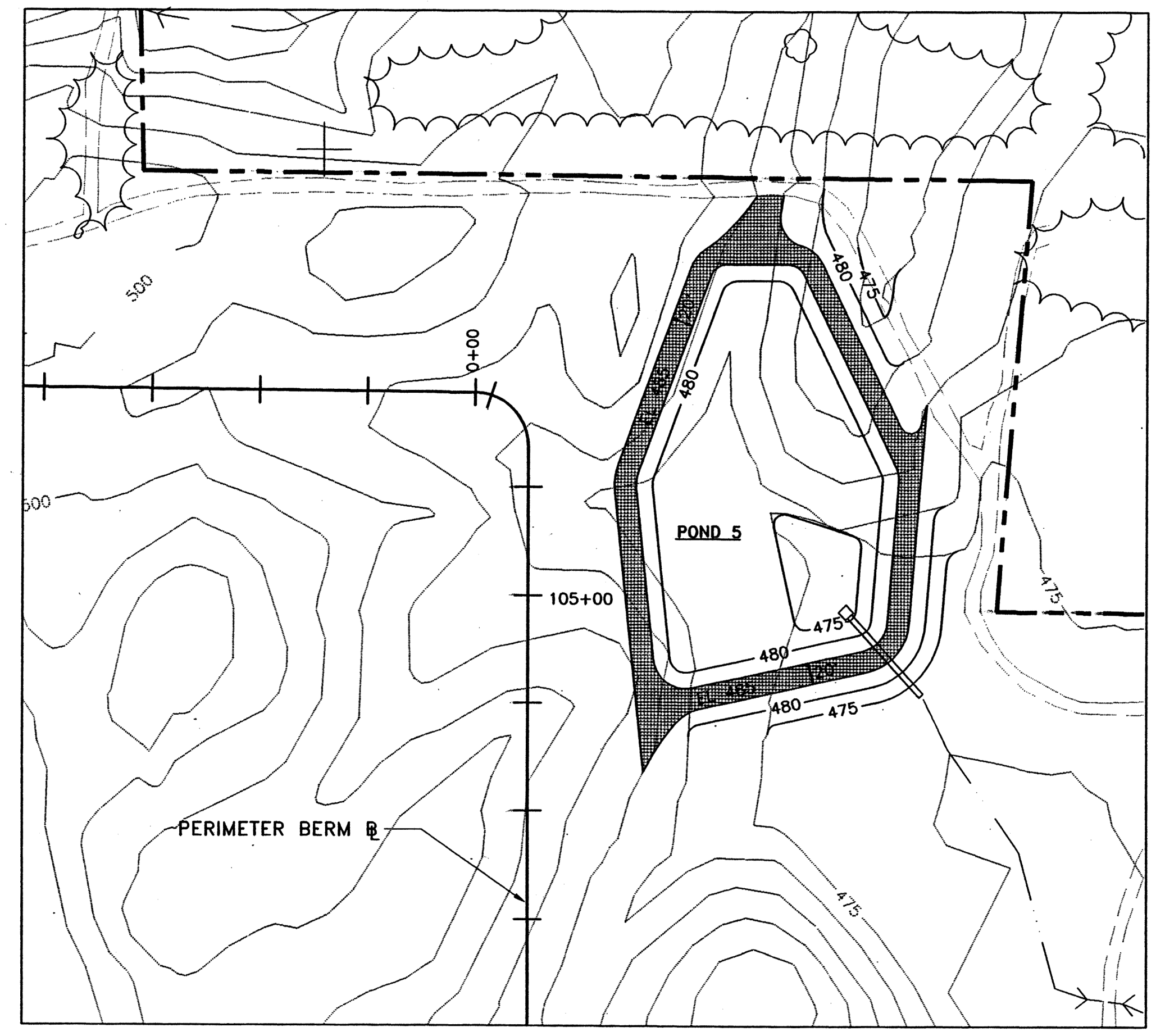
GENERAL REVISIONS PER ADEM REVIEW NO. 1, COMMENT 39


BCM Engineers Inc.
 Engineers, Planners, Scientists and Laboratory Services

THIS SHEET IS REPRODUCED FROM THE ORIGINAL PERMIT DRAWINGS BY BCM ENGINEERS, INC., DATED SEPTEMBER 1992, WITH PERMISSION FROM BFI. NO CHANGES ARE PROPOSED TO THE SITE PONDS.



PONDS 4 AND 6
SCALE: 1" = 100'



PONDS 5
SCALE: 1" = 100'

- NOTES:**
1. UNLESS NOTED OTHERWISE, ALL SIDESLOPES FOR POND CONSTRUCTION ARE 3H:1V.
 2. SEDIMENTATION PONDS WILL BE LINED WITH TWO FEET OF COMPACTED SOIL HAVING A MAXIMUM PERMEABILITY OF 1×10^{-5} CM/SEC.

LEGEND

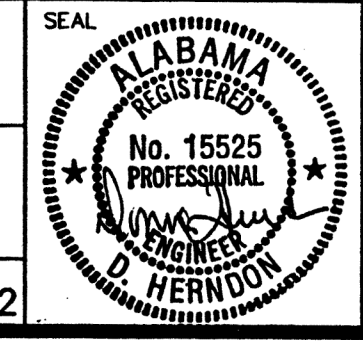
	EXISTING CONTOUR
	FINAL CONTOUR
	ACCESS ROAD
	OUTLET STRUCTURE WITH DISCHARGE PIPE
	EXISTING DRAINAGEWAY

PERMIT DRAWINGS

NO.	REVISION	DATE	ENG.	DATE	ISSUED FOR
1	GENERAL REVISIONS PER ADEM REVIEW NO. 1, COMMENT 39				

BCM BCM Engineers Inc.
Engineers, Planners, Scientists and Laboratory Services

DESIGNER	D.B.H.	APPROVED	
DRAWN BY	W.M.M.	APPROVED	
ENGINEER	D.B.H.		
PROJECT MGR.	D.B.H.		
CHECKED BY	H.C.B.	DATE	SEPTEMBER 1992



WALKER COUNTY DISPOSAL, INC.
A SUBSIDIARY OF
BFI DISPOSAL SYSTEMS OF ALABAMA, INC.

SEDIMENTATION PONDS 4-6

SCALE	NOTED
PROJECT NO.	05-7520-14
DRAWING NO.	C-20
SHEET	OF

NOTES:

1. POND 6 MAY BE ELIMINATED PROVIDED THE ENTIRE FUTURE DRAINAGE AREA FOR POND 6 IS DIVERTED TO EXISTING POND 4.
2. POND 4 IS EXISTING - SEE TOPOGRAPHIC SURVEY FOR AS-BUILT CONDITIONS.

Last Saved By: JCB8 WITCHER Date: 03/22/14 7:44 AM File Path: C:\USERS\JCB8 WITCHER\PROJECTS\ACTIVE\PERMIT DRAWINGS\RENEWAL DRAWINGS\AS-BUILT.DWG

REV	DATE	DES. BY	CHK. BY	APPR. BY	DESCRIPTION
1	11/24/2014	CRW	CRW		ISSUED FOR PERMITTING - 2014 REVISIONS

PREPARED FOR:
REPUBLIC SERVICES, INC.
3345 COUNTY ROAD 208
COLLINSVILLE, ALABAMA 35961

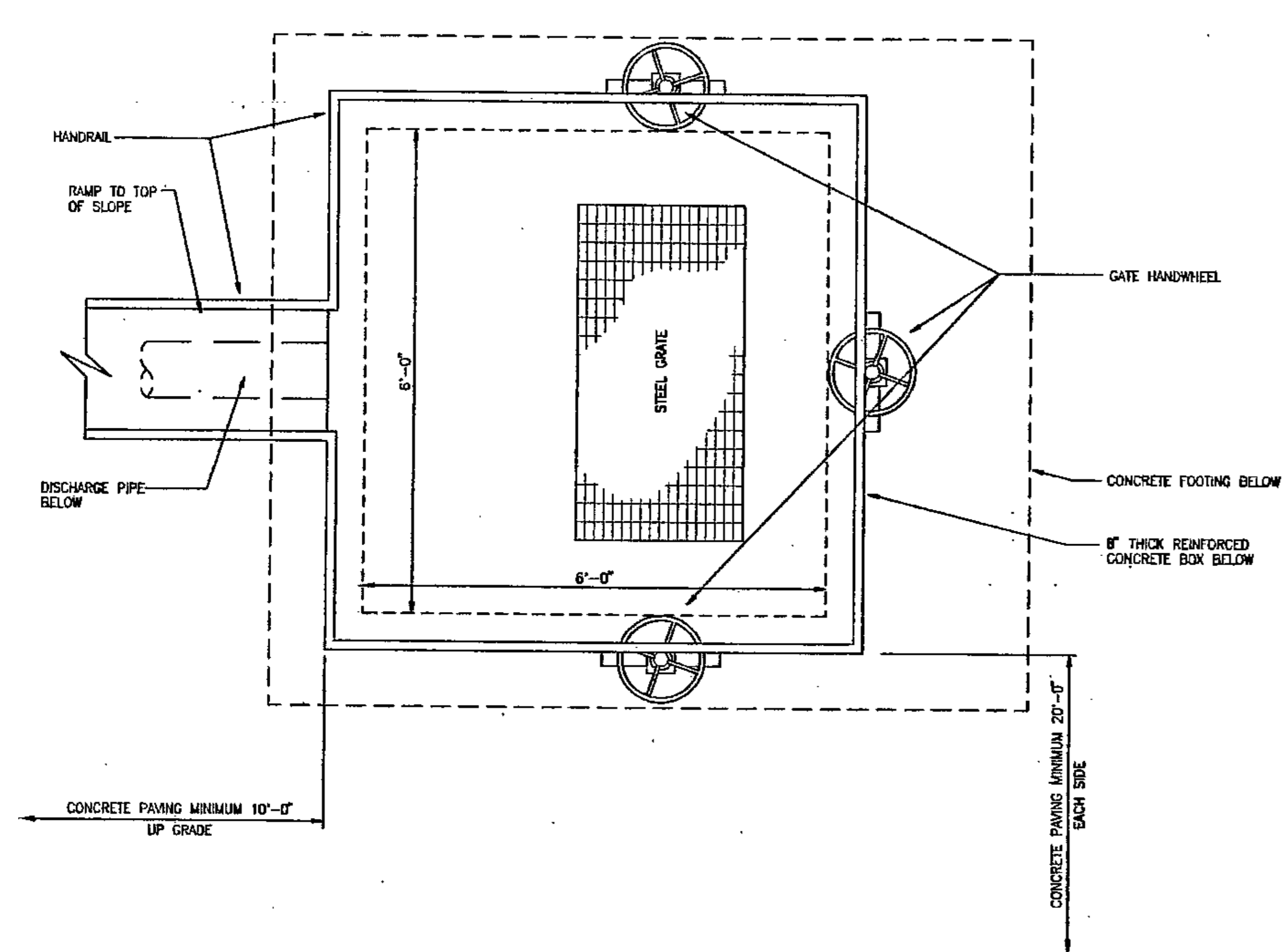
PREPARED BY:
PROMUS ENGINEERING
180 CHEROKEE BLVD., SUITE 5012
CHATTANOOGA, TENNESSEE 37405



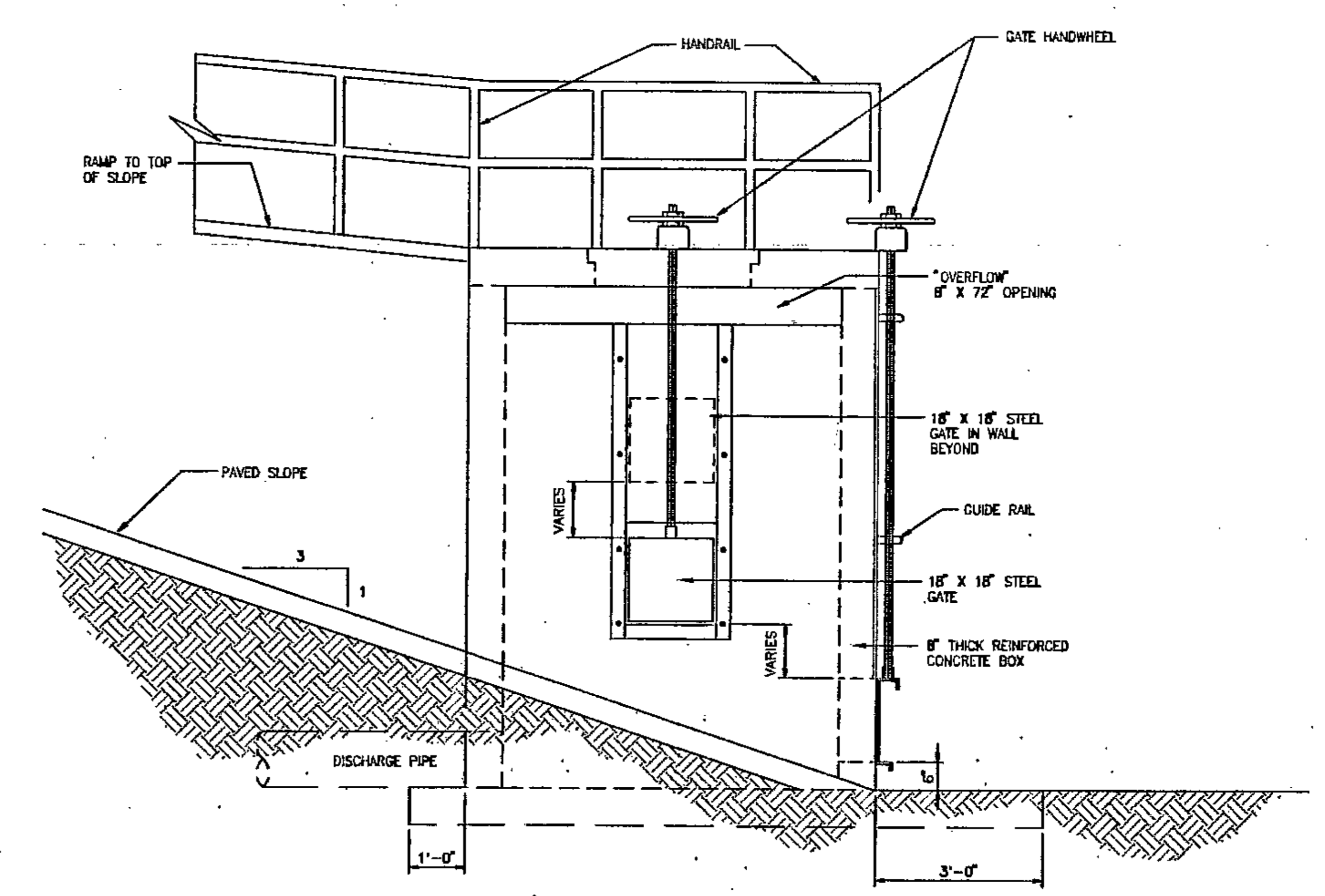
SEDIMENTATION PONDS 5 & 6
PERMIT RENEWAL AND MODIFICATION
PINEVIEW LANDFILL
DORA, ALABAMA

PROJECT NO.: 140074
SHEET NUMBER

9B



OUTLET STRUCTURE - PLAN VIEW
N.T.S.



OUTLET STRUCTURE - SIDE VIEW
N.T.S.

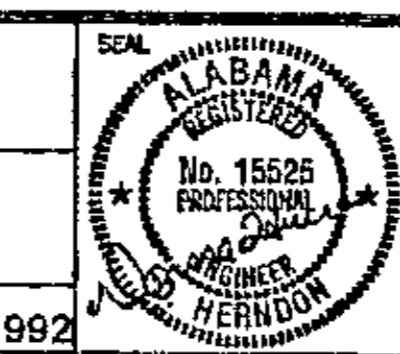
OUTLET STRUCTURE DISCHARGE PIPE SIZING AND INVERT ELEVATION TABLE

POND	DISCHARGE PIPE SIZE	DISCHARGE PIPE INVERT ELEVATION
1	27"	345
2	24"	435
3	27"	345
4	21"	410
5	18"	475
6	18"	440

NO.	REVISION	DATE	ENG.	DATE	ISSUED FOR

BCM BCM Engineers Inc.
Engineers, Planners, Scientists and Laboratory Services

DESIGNER: D.B.R. APPROVED: [Signature]
DRAWN BY: C.J.L.
ENGINEER: D.B.H. APPROVED: [Signature]
PROJECT MGR: H.C.B.
CHECKED BY: H.C.B. DATE: MAY 1992



WALKER COUNTY DISPOSAL, INC.
A SUBSIDIARY OF
BFI DISPOSAL SYSTEMS OF ALABAMA, INC.
PINE VIEW SANITARY LANDFILL
SEDIMENTATION POND DETAILS

SCALE: N.T.S.
PROJECT NO.: 05-7520-14
DRAWING NO.: C-28
SHEET 28 OF 28

THIS SHEET IS REPRODUCED FROM THE ORIGINAL PERMIT DRAWINGS BY BCM ENGINEERS, INC., DATED SEPTEMBER 1992, WITH PERMISSION FROM THE OWNERS. NO CHANGES ARE PROPOSED TO THE SITE PONDS.

PREPARED BY: **aquaterra** ENGINEERING
102-54-10000
WALKER COUNTY, ALABAMA 36188
PHONE (770) 974-9793 FAX (770) 974-5697

PREPARED FOR: **BFI Waste Systems**
BROWNING-FERRIS INDUSTRIES
BFI Waste Systems of North America, Inc.

REVISIONS

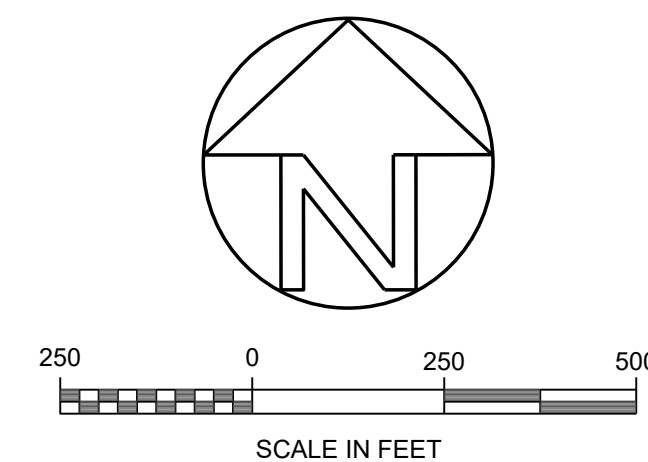
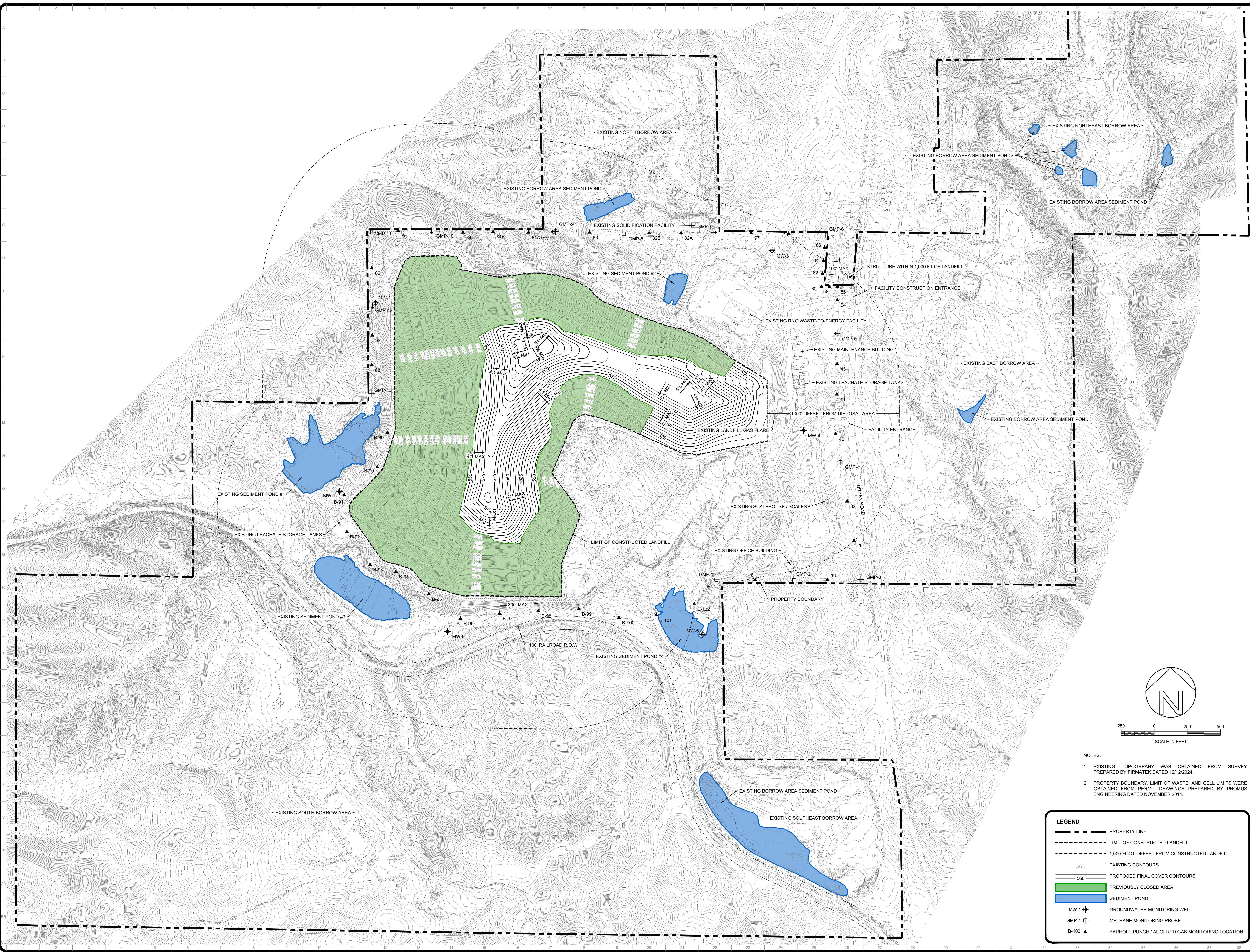
NO.	DATE	DESCRIPTION
1	10/27/2004	ADDED SUBMISSION
2	10/27/2004	GENERAL NOTE BB# 1 & 2/25'

DRAFTED BY: C.B.M. 10/27/04
APPROVED BY: C.B.M. 10/27/04

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SEDIMENT POND DETAILS
PERMIT RENEWAL & MODIFICATIONS
PINE VIEW SANITARY LANDFILL
WALKER COUNTY, ALABAMA

Last Saved By: PROMUS ENGINEERING Date: 7/3/2025 9:24 AM File Path: C:\USERS\BOWITCHER\PROMUS ENGINEERING\PROJECTS\ACTIVE\2025\14\BSP-CAS-DESIGN\CLOSURE\nOTIFICATION\MODDRAWINGS\11_FINAL.DWG



- NOTES:**
- EXISTING TOPOGRAPHY WAS OBTAINED FROM SURVEY PREPARED BY FIRMATEK DATED 12/12/2024.
 - PROPERTY BOUNDARY, LIMIT OF WASTE, AND CELL LIMITS WERE OBTAINED FROM PERMIT DRAWINGS PREPARED BY PROMUS ENGINEERING DATED NOVEMBER 2014.

LEGEND	
	PROPERTY LINE
	LIMIT OF CONSTRUCTED LANDFILL
	1,000 FOOT OFFSET FROM CONSTRUCTED LANDFILL
	EXISTING CONTOURS
	PROPOSED FINAL COVER CONTOURS
	PREVIOUSLY CLOSED AREA
	SEDIMENT POND
	GROUNDWATER MONITORING WELL
	METHANE MONITORING PROBE
	BARHOLE PUNCH / AUGERED GAS MONITORING LOCATION

REV	DATE	DES BY	APP'D BY	DESCRIPTION
0	10/03/2025	CRW	CRW	ISSUED FOR PERMITTING

PREPARED FOR:
BFI WASTE SYSTEMS OF ALABAMA, LLC

REPUBLIC SERVICES

PREPARED BY:
PROMUS ENGINEERING

1200 MOUNTAIN CREEK RD, SUITE 102, CHATTANOOGA, TENNESSEE 37405
Phone: (888) 811-9966

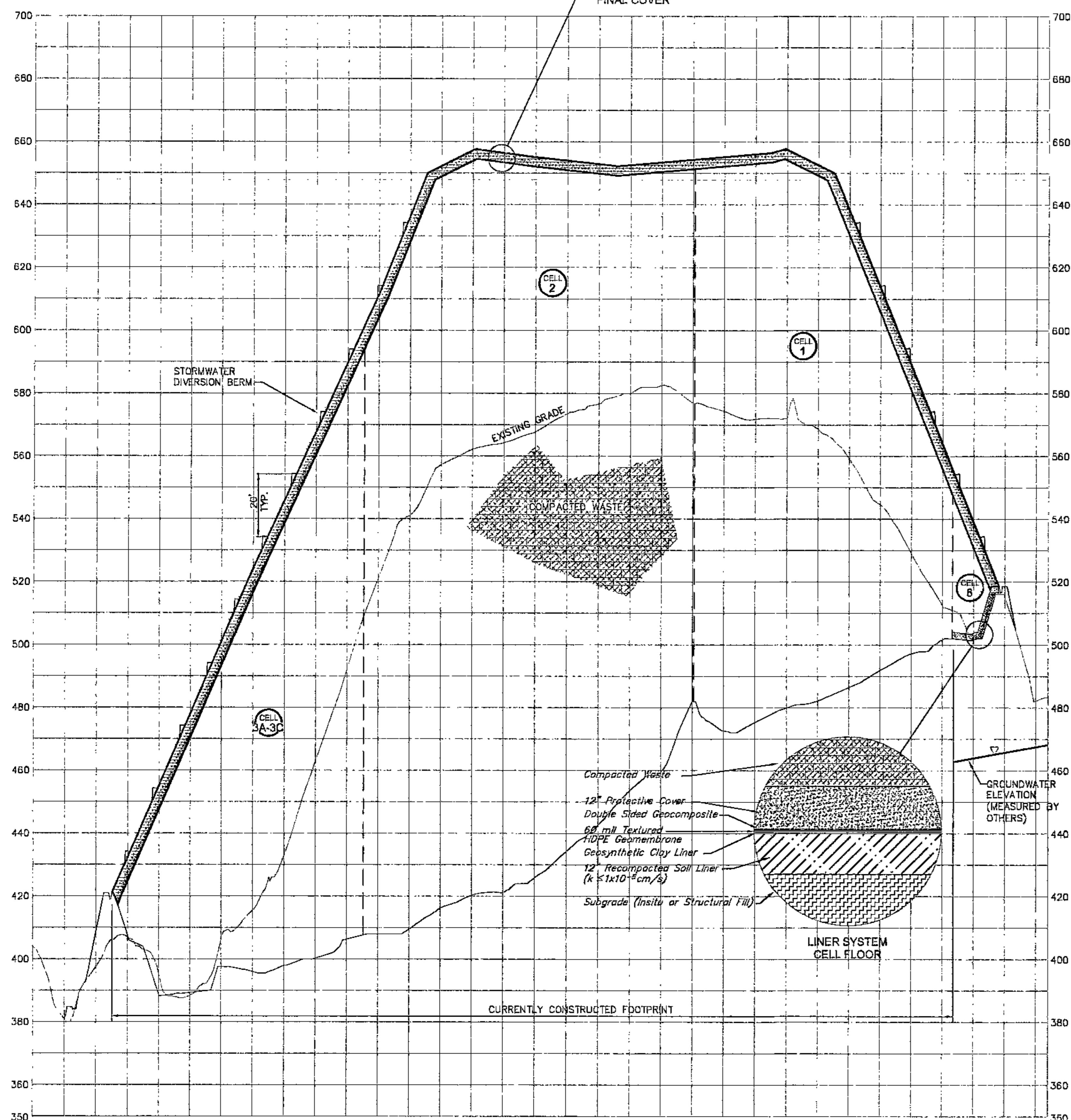
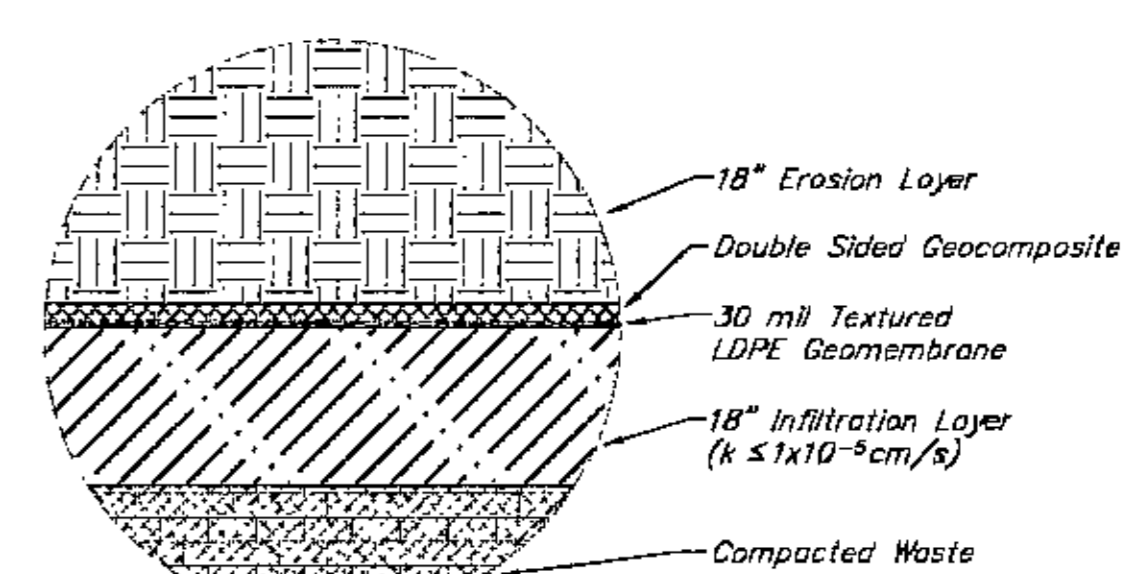
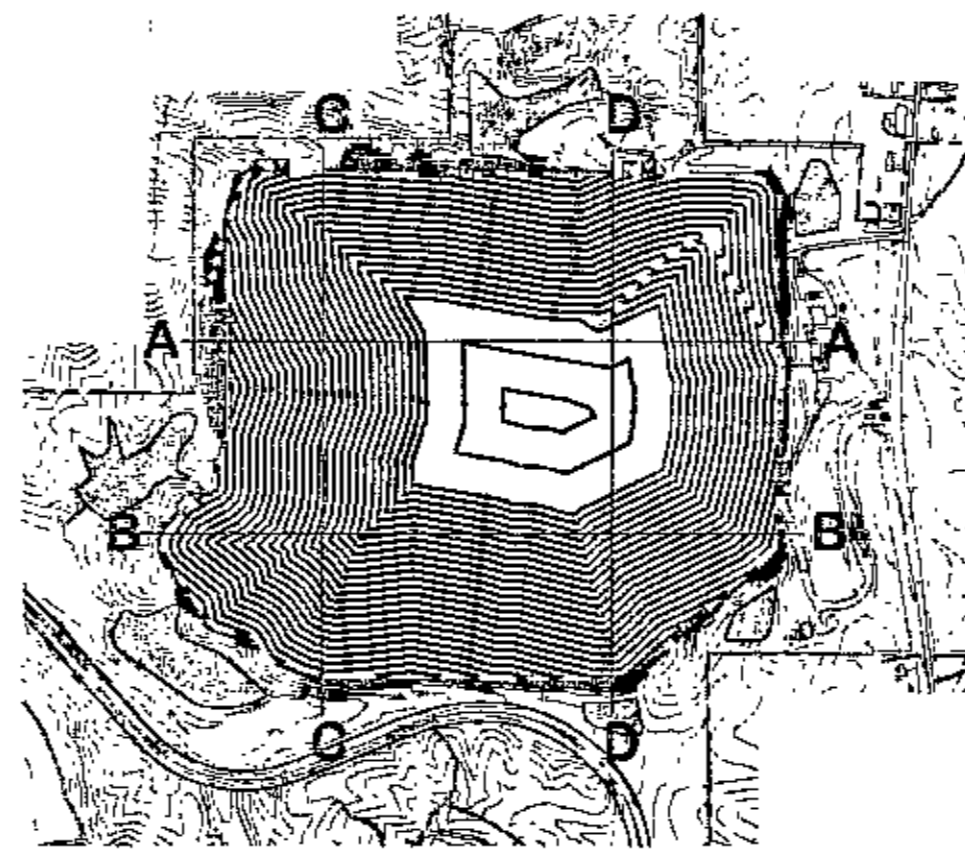
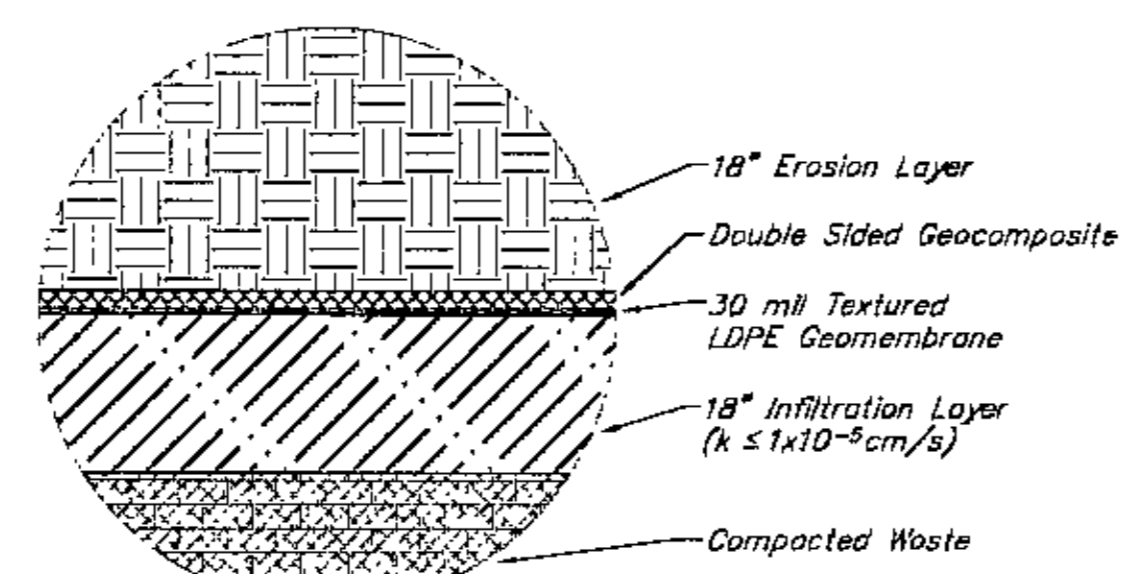


ENVIRONMENTAL MONITORING PLAN

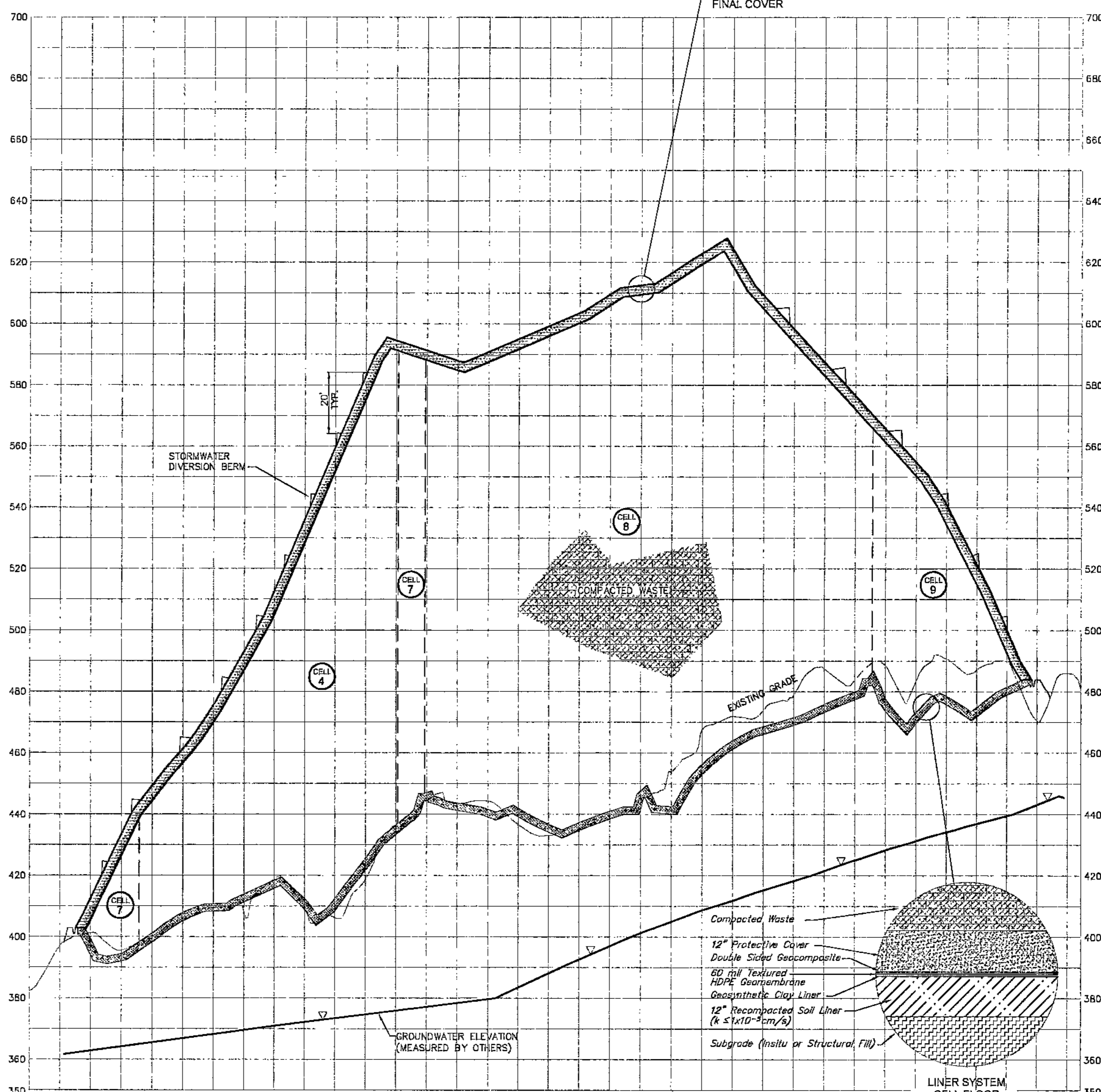
PERMIT DRAWINGS
PINEVIEW SANITARY LANDFILL
2730 BRYAN ROAD
DORA, ALABAMA 35062

PROJECT NO.: 230211
SHEET NUMBER

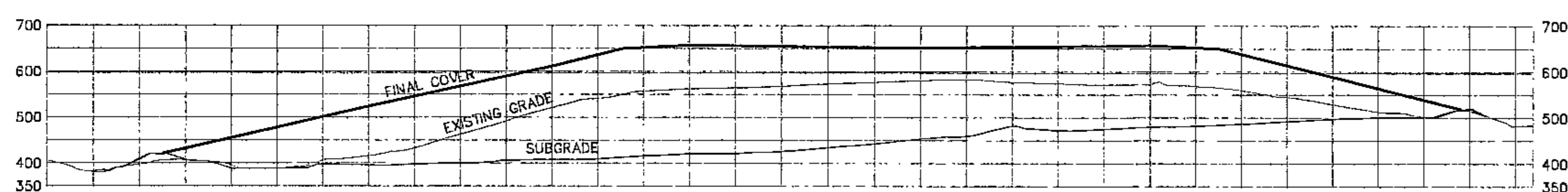
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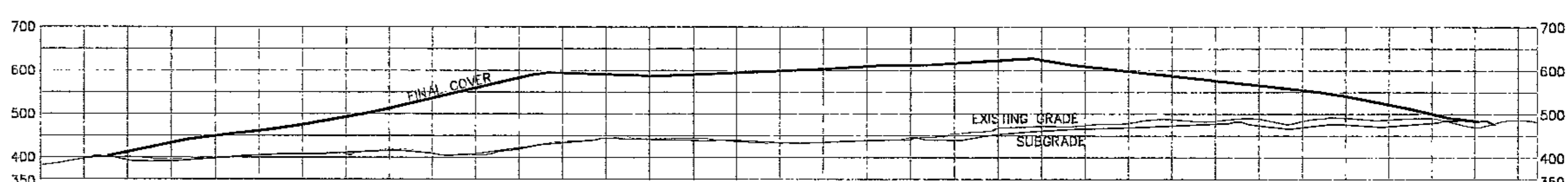
SECTION A-A
 HORIZ: 1"=200'
 VERT: 1"=20'



SECTION B-B
 HORIZ: 1"=200'
 VERT: 1"=20'



SECTION A-A
 HORIZ: 1"=200'
 VERT: 1"=200'



SECTION B-B
 HORIZ: 1"=200'
 VERT: 1"=200'

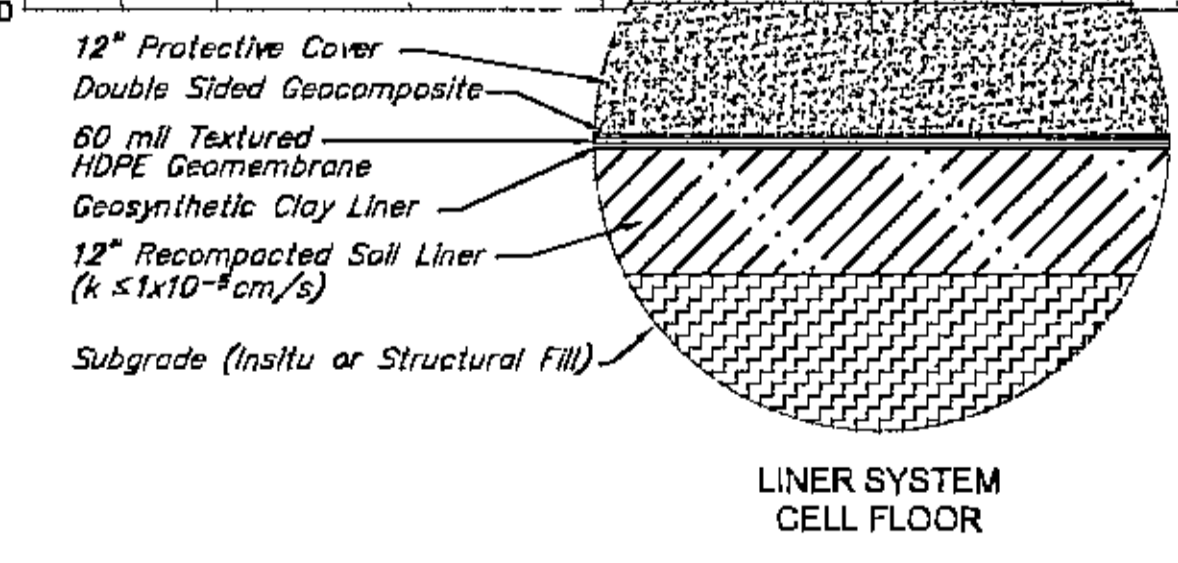
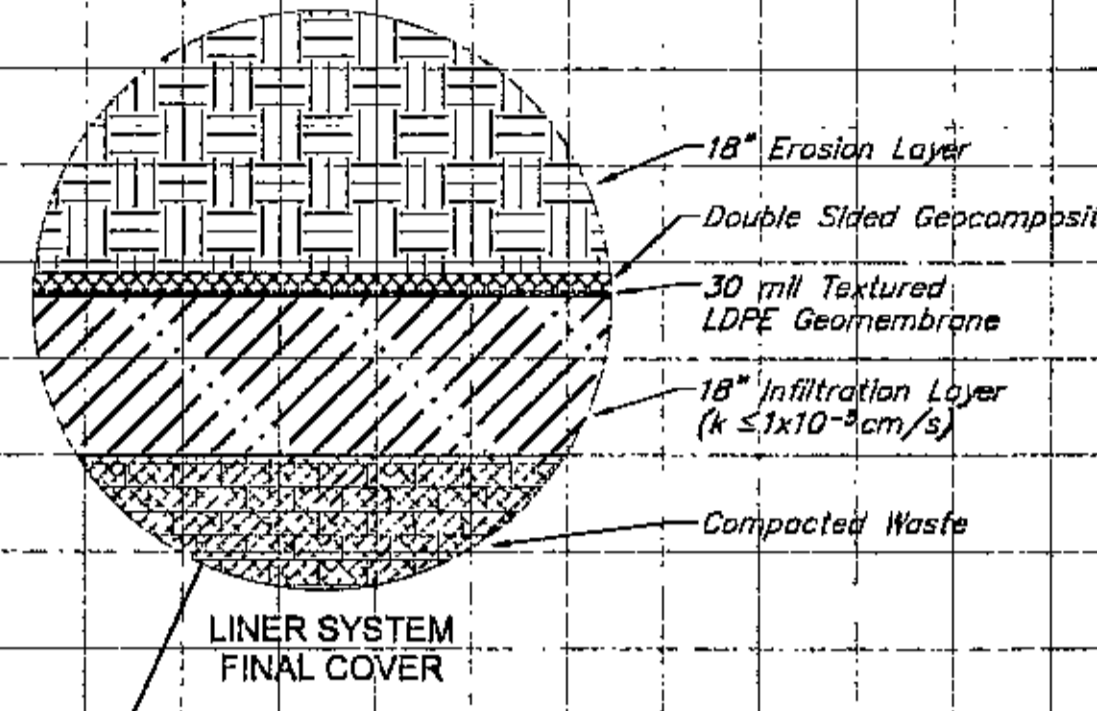
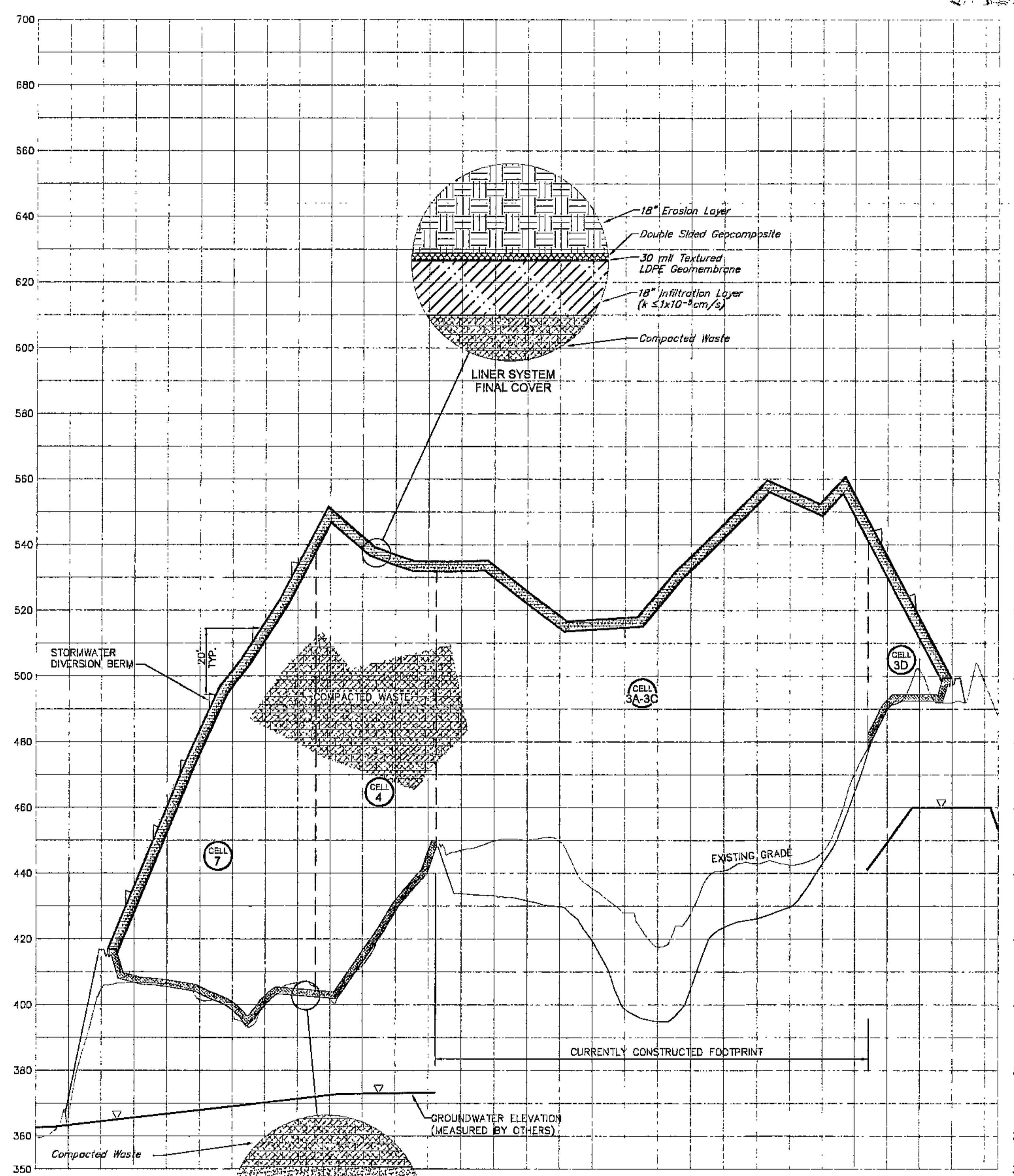
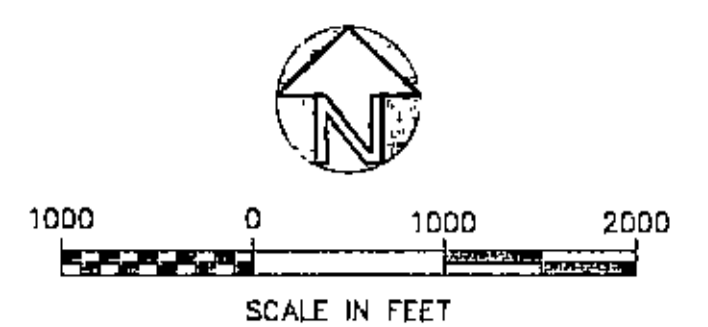
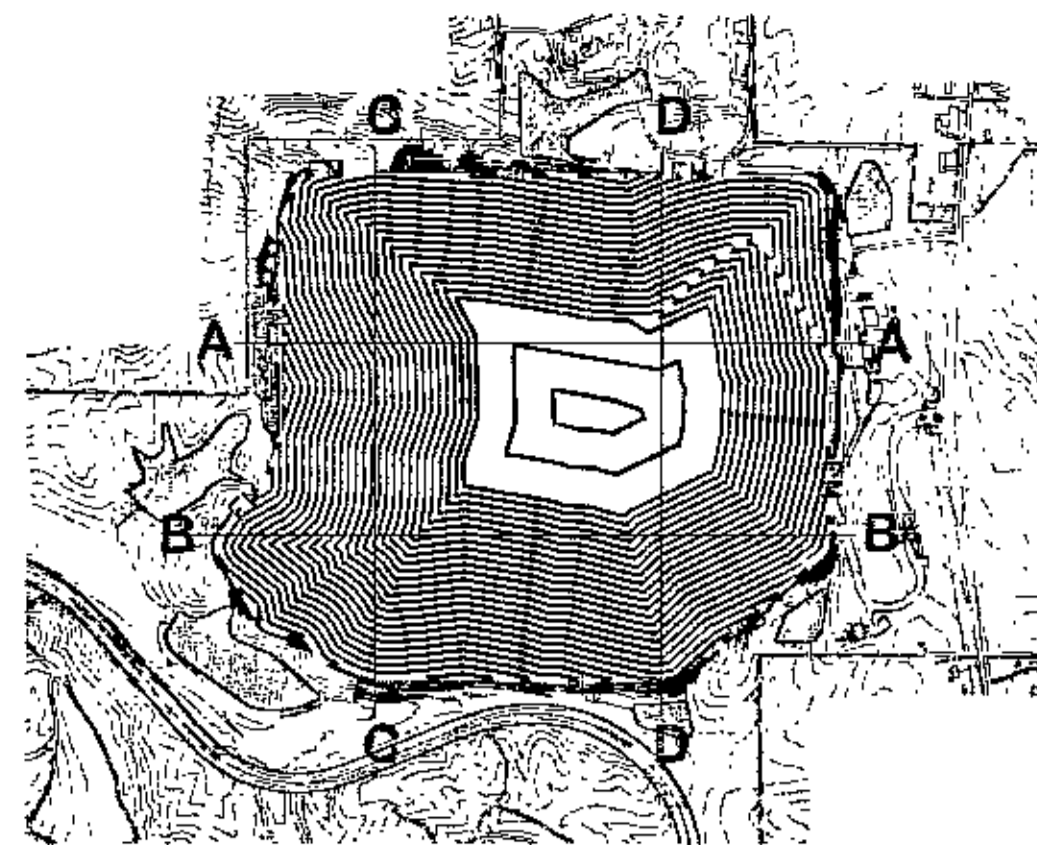
REVISIONS:

NO.	DATE	DESCRIPTION
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2	07/19/2005	GEOTECHNICAL LETTER WRAP E. 02/05

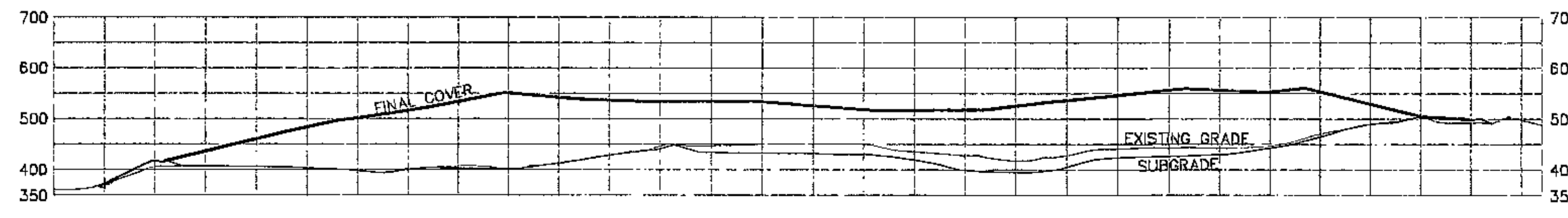
DRAFTED BY: CWM
 APPROVED BY: CWM 10/07/04



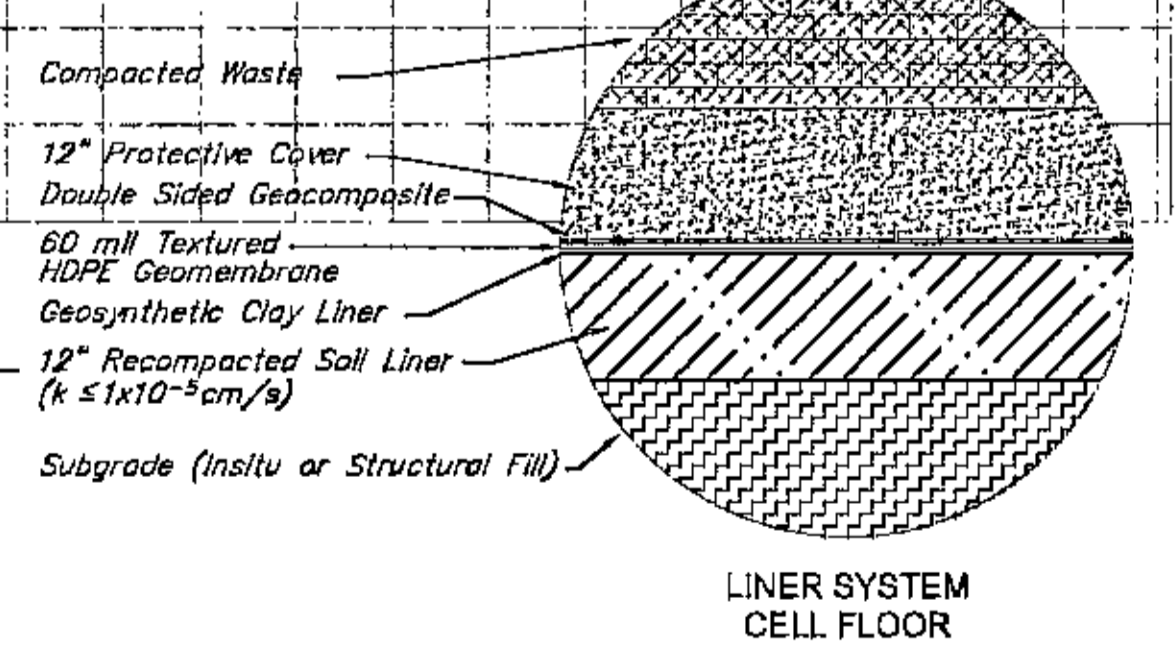
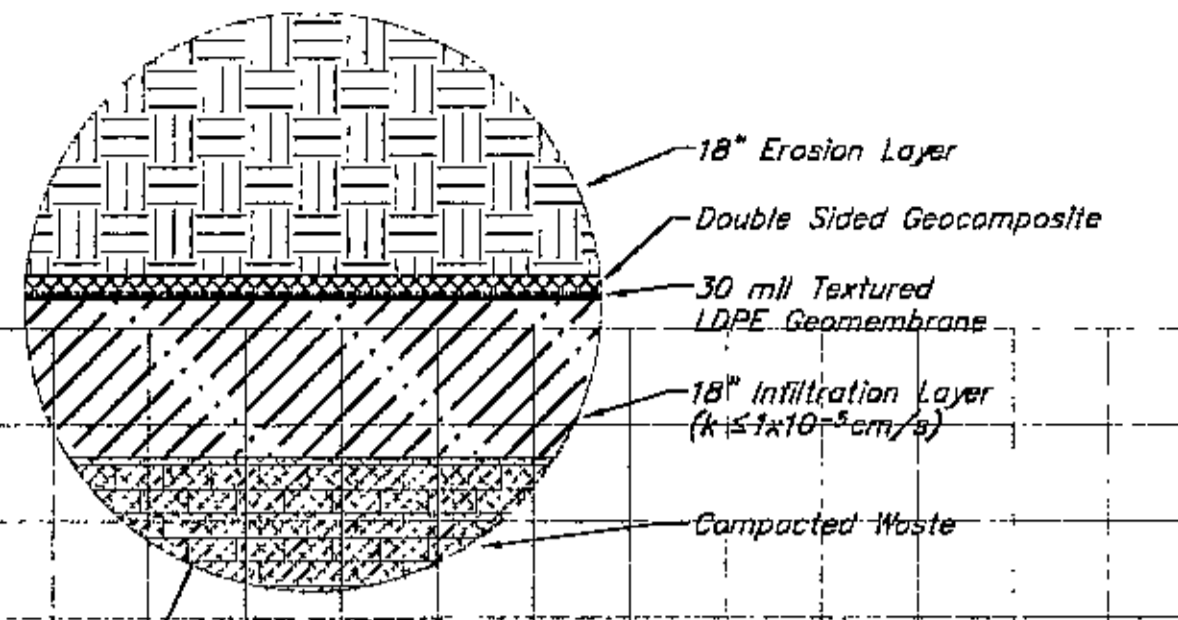
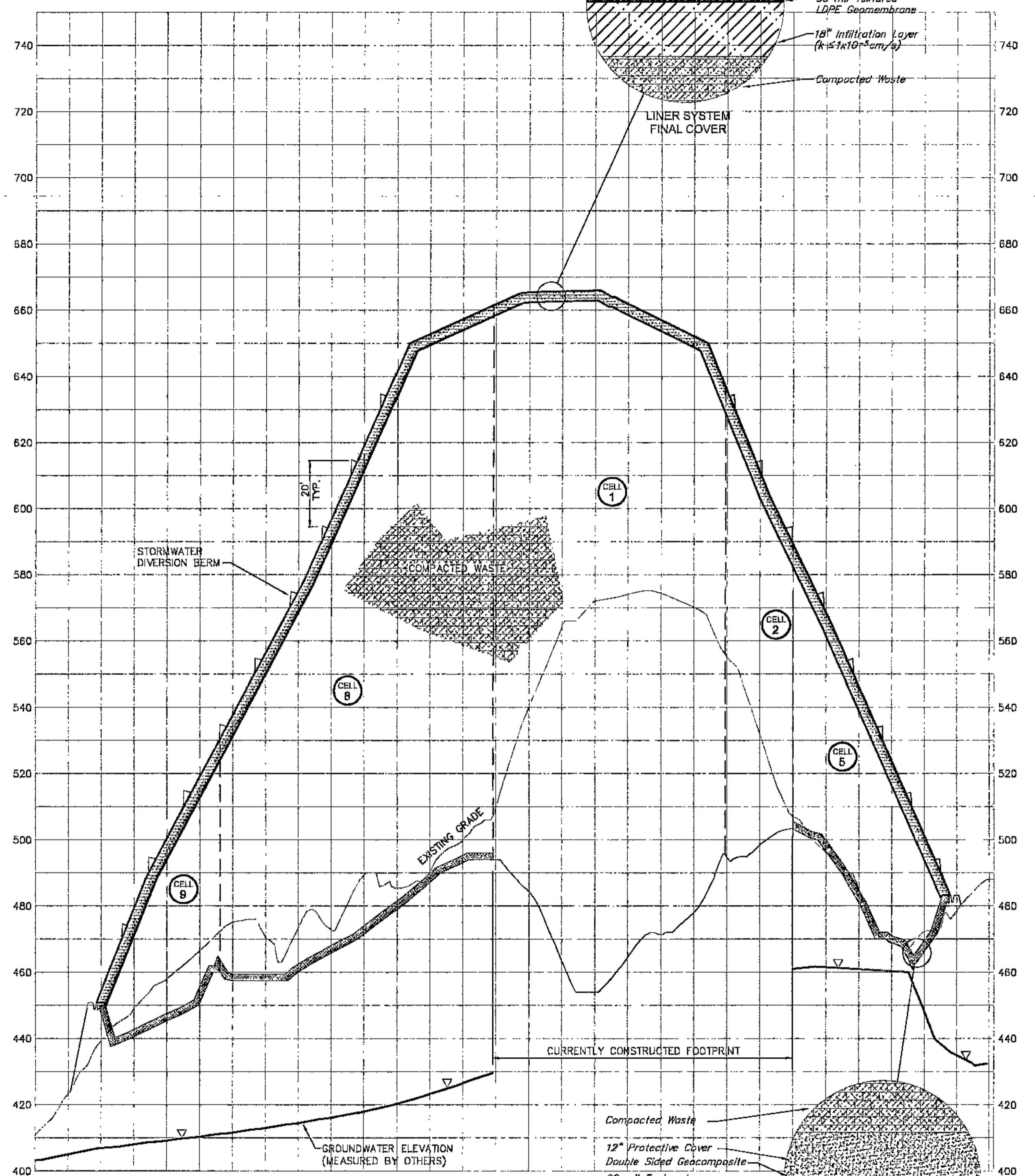
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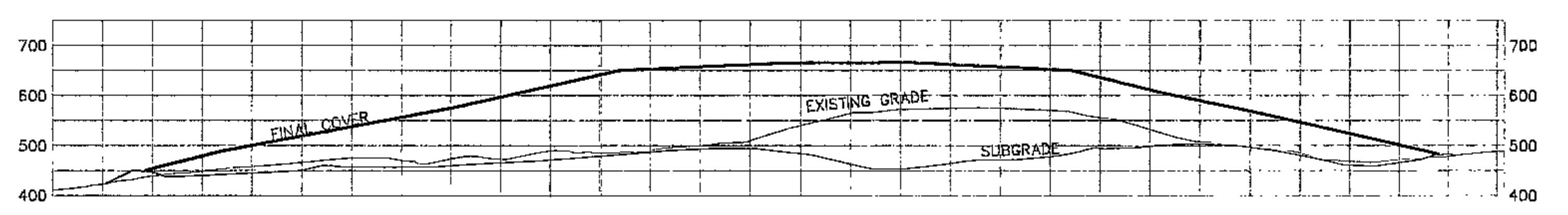
SECTION C-C
HORIZ: 1"=200'
VERT: 1"=20'



SECTION C-C
HORIZ: 1"=200'
VERT: 1"=200'



SECTION D-D
HORIZ: 1"=500'
VERT: 1"=20'



SECTION D-D
HORIZ: 1"=200'
VERT: 1"=200'

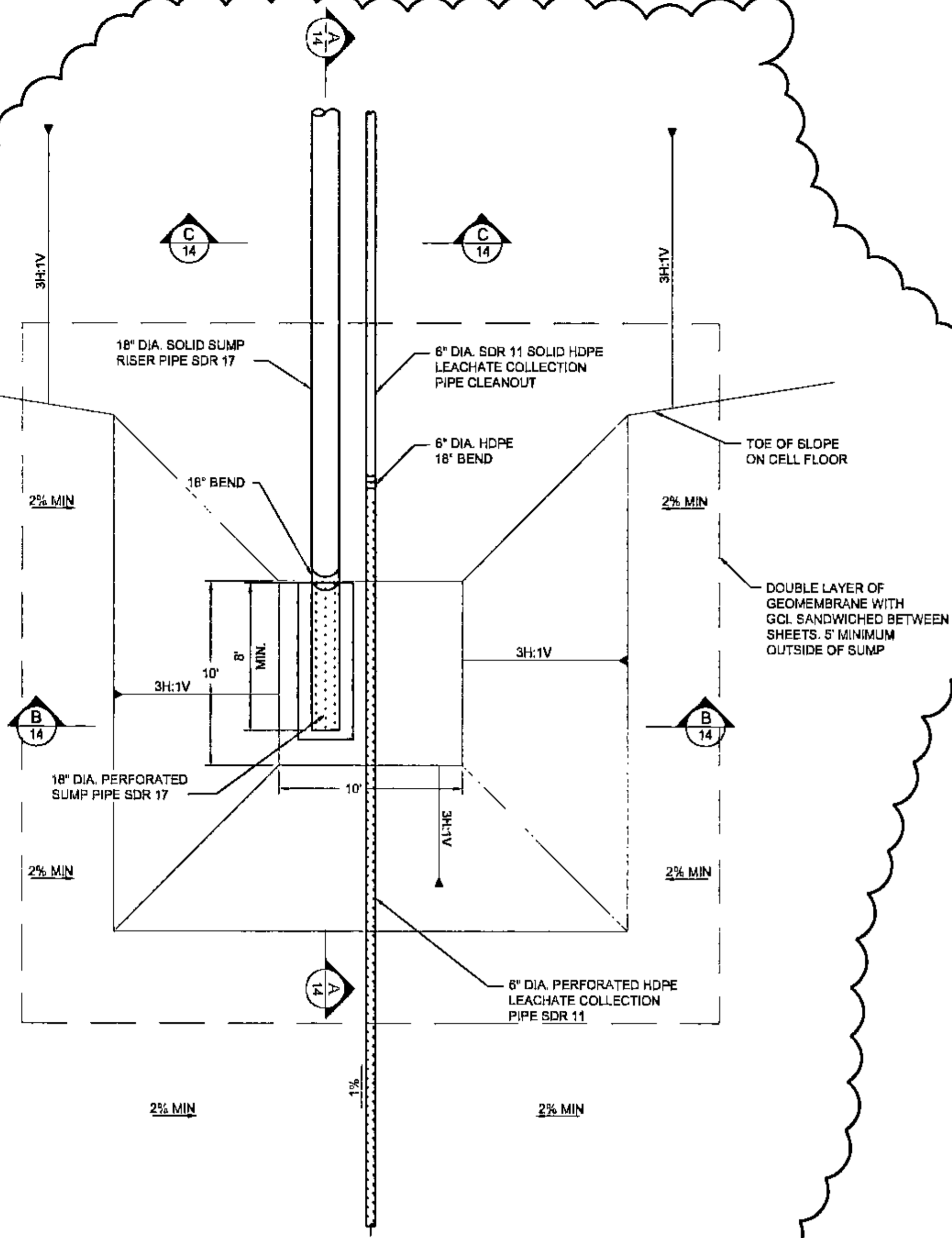
PREPARED FOR:

NO.	DATE	DESCRIPTION
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1	07/18/2005	REVISION FOR PERMIT
2	07/18/2005	REVISION FOR PERMIT

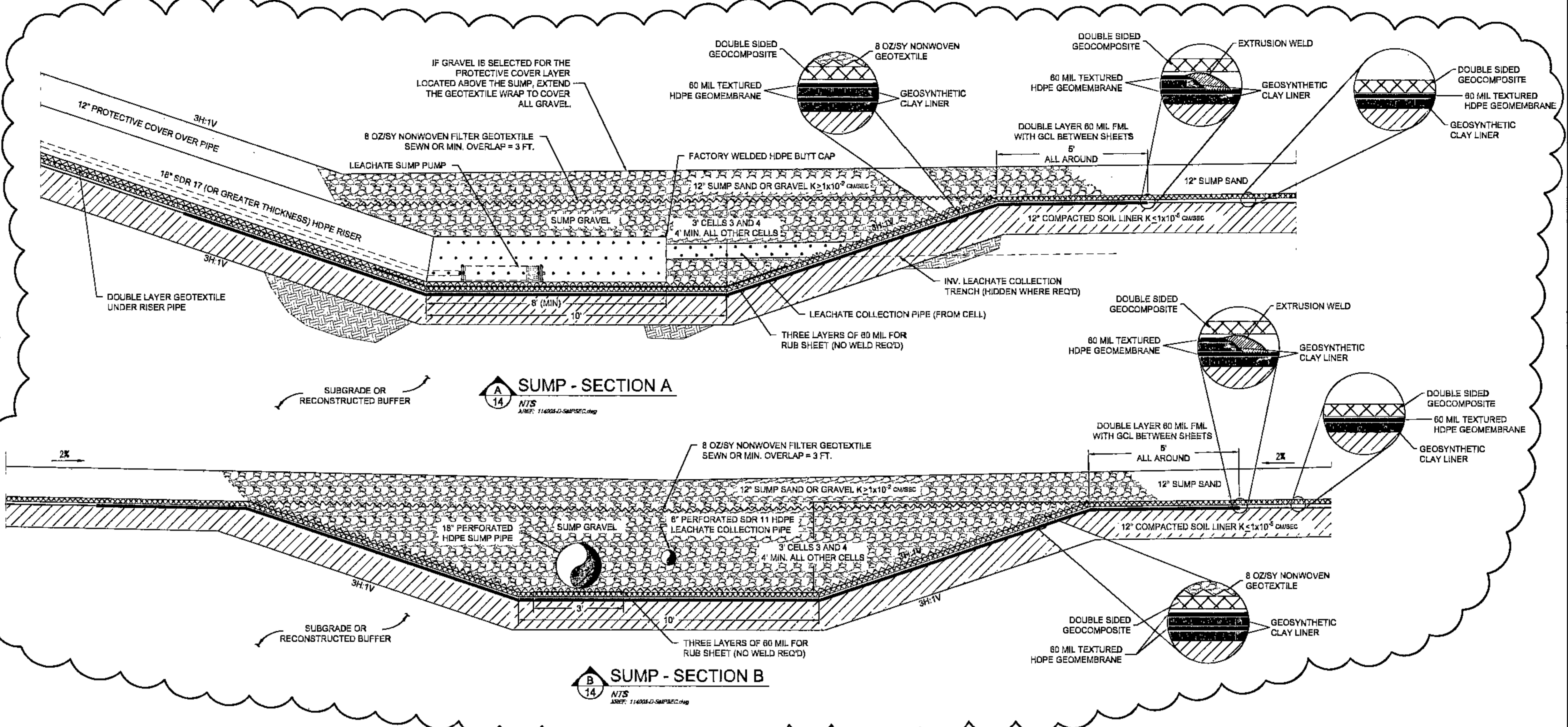
DRAFTED BY: CMW 10/07/04
APPROVED BY:



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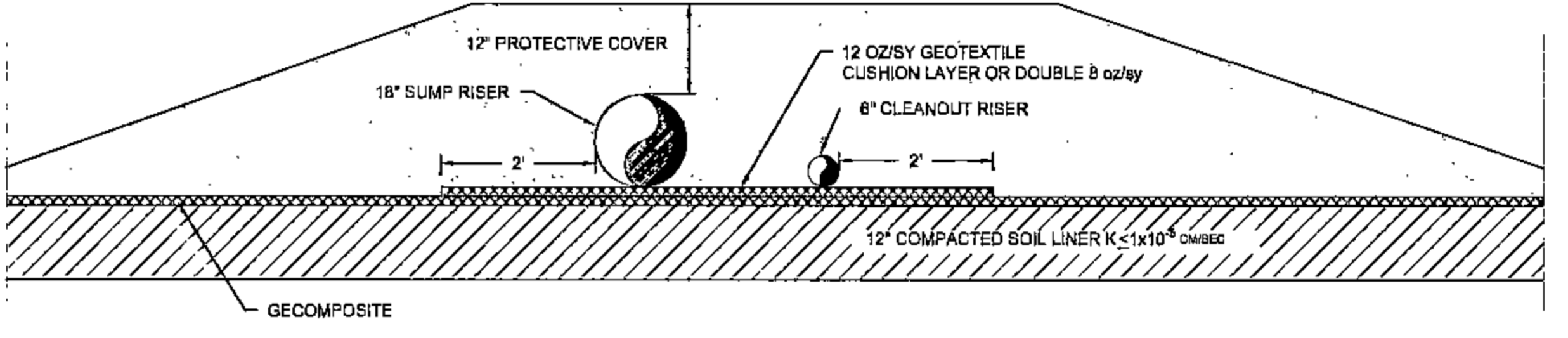


1 LEACHATE COLLECTION SUMP GRADING PLAN
NTS
REF: 11405-D-Sump.dwg

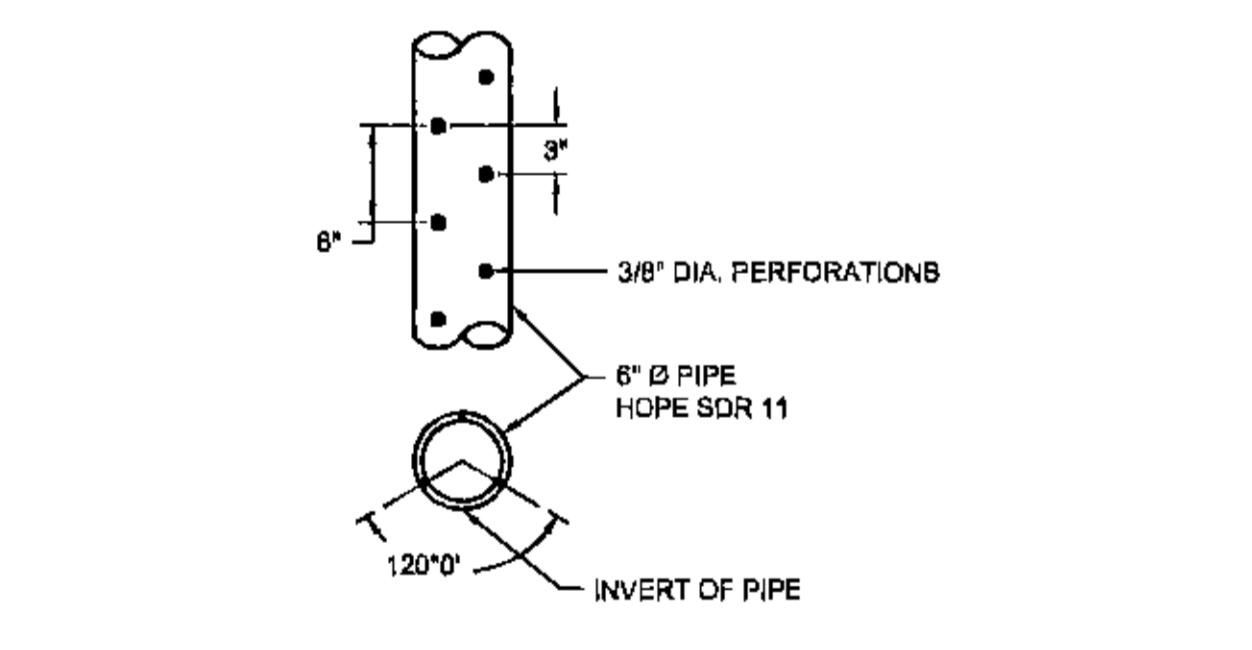


A SUMP - SECTION A
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REF: 11405-D-Sump.dwg

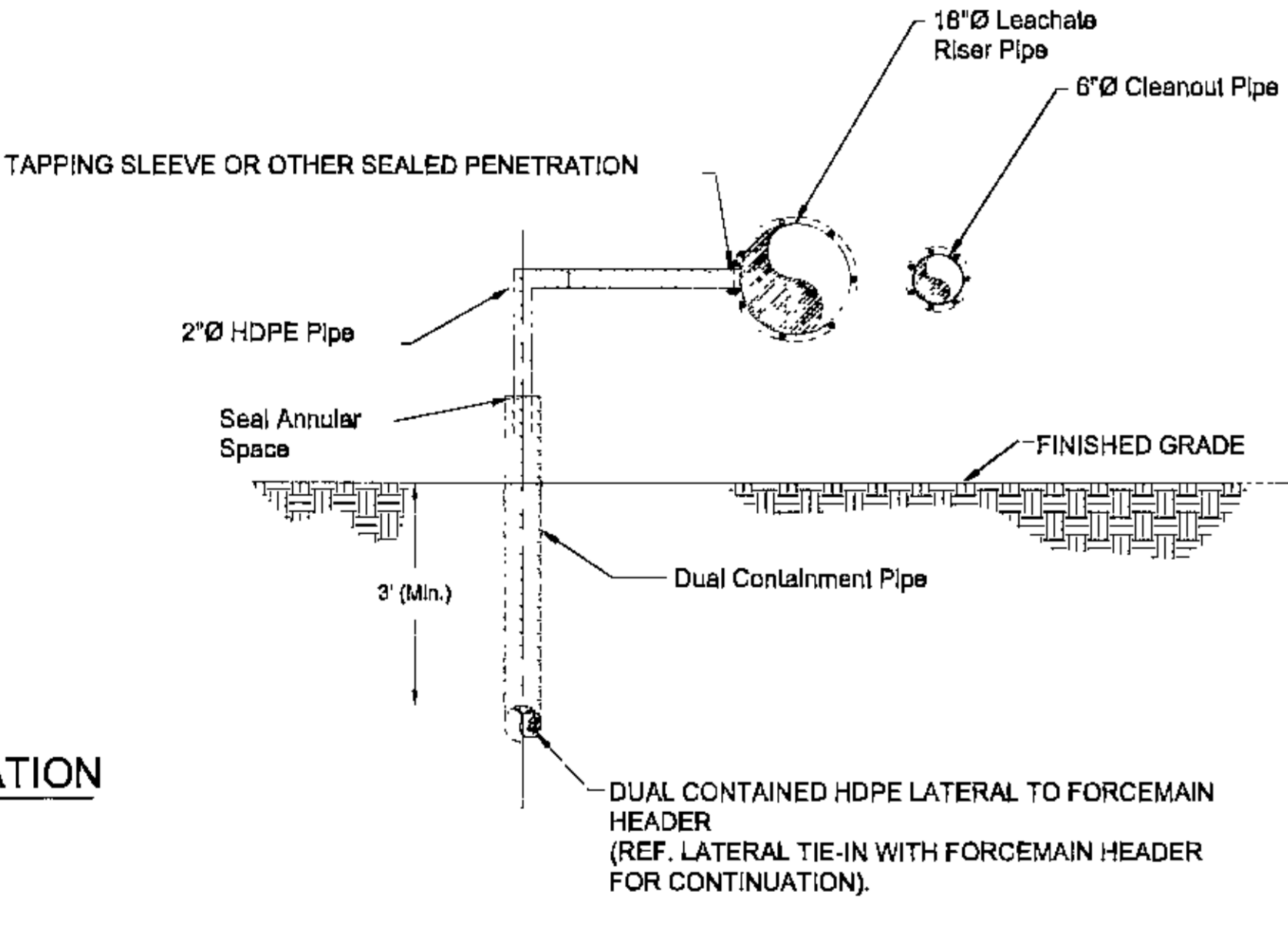
B SUMP - SECTION B
NTS
REF: 11405-D-Sump.dwg



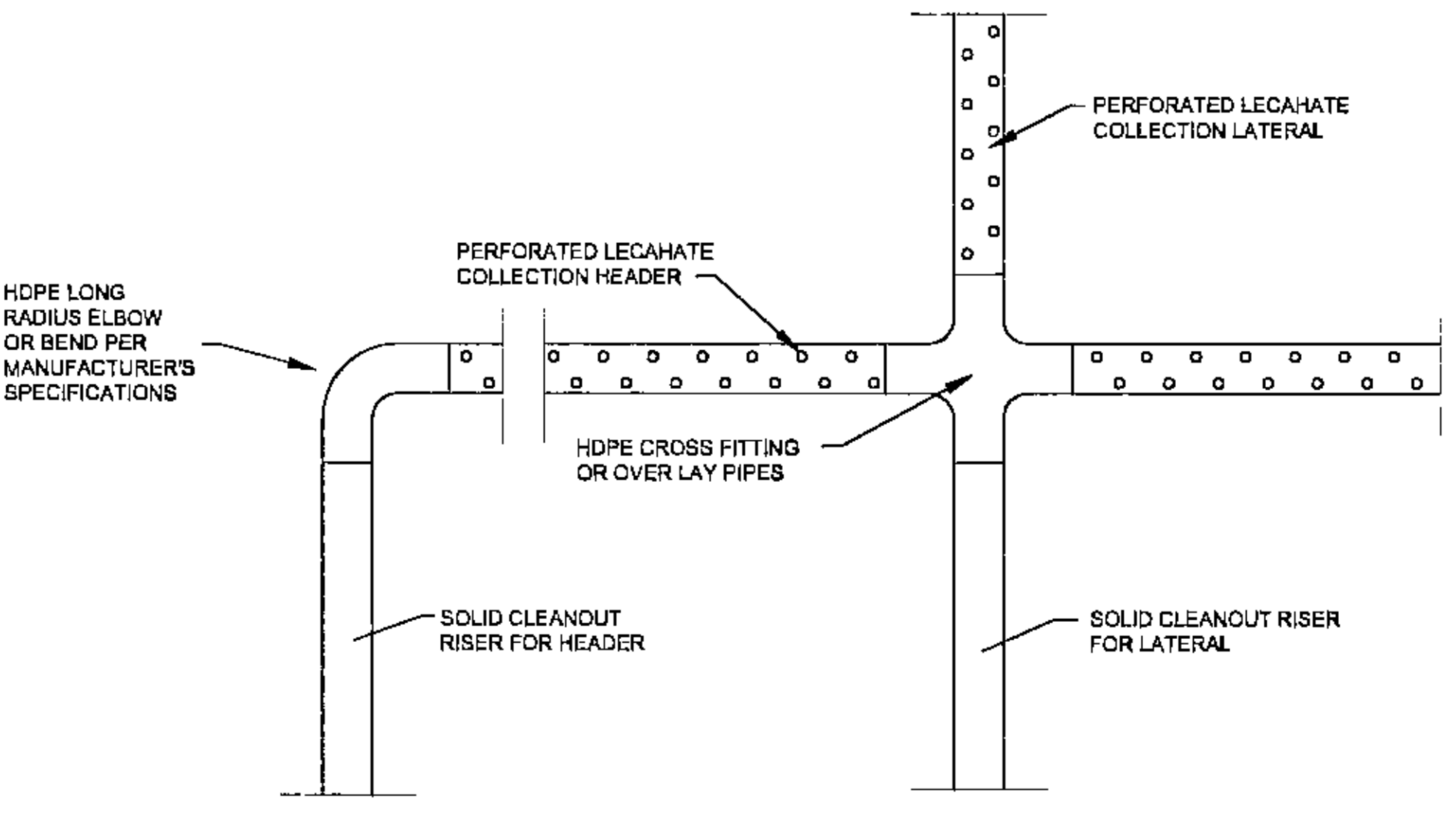
C SIDE SLOPE RISER - SECTION C
NTS
REF: 11405-D-Sump.dwg



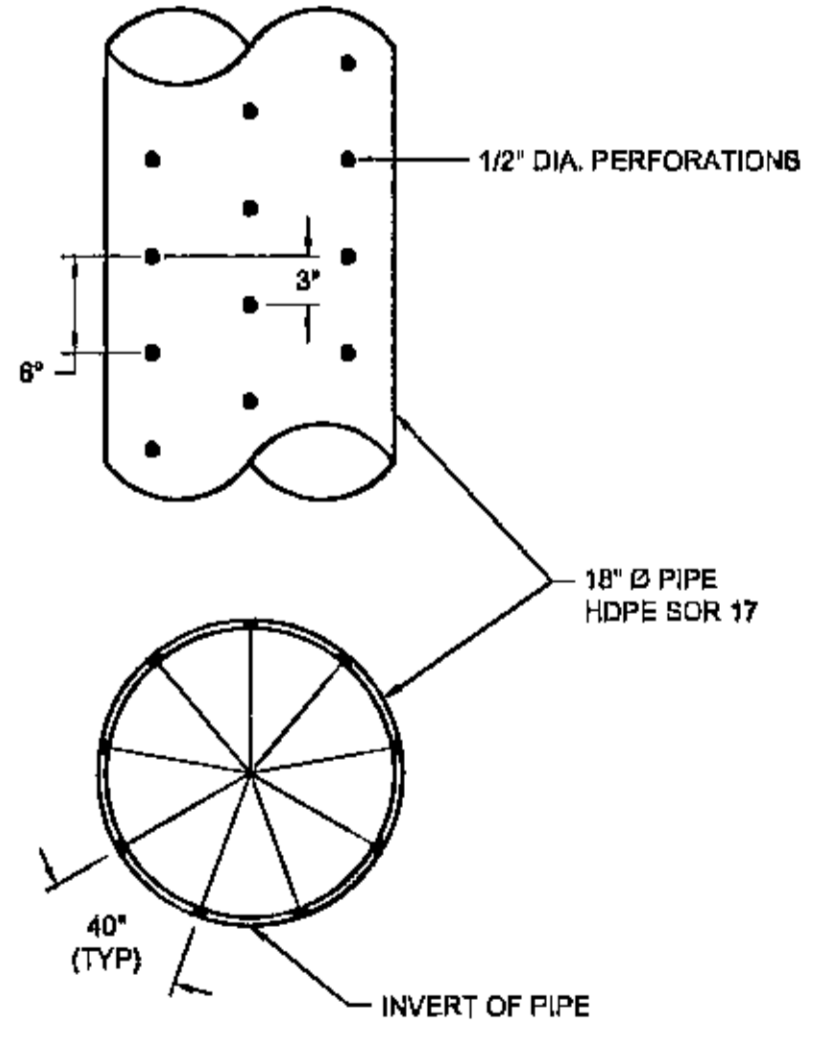
2 LEACHATE COLLECTION PIPE PERFORATION
NTS
REF: 11405-D-Perf.dwg



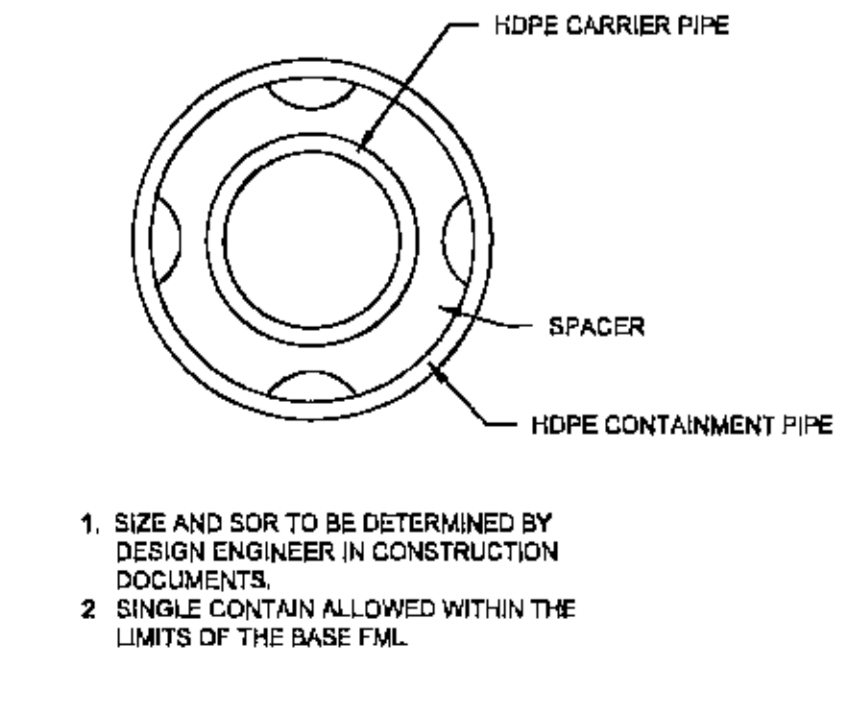
4 LEACHATE RISER PIPE TIE-IN TO FORCE MAIN LATERAL
NTS
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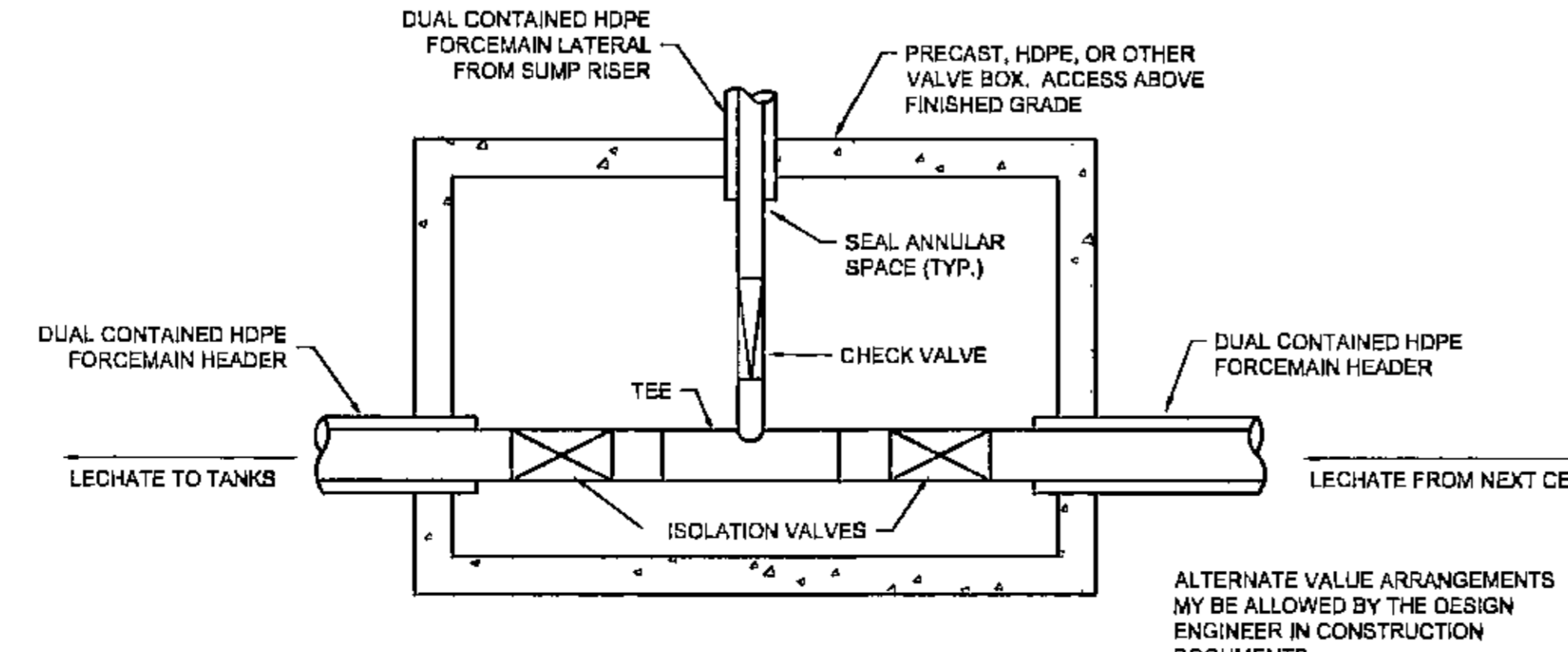
7 LEACHATE COLLECTOR PIPE CROSSING
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REF: 11405-D-Crossing.dwg



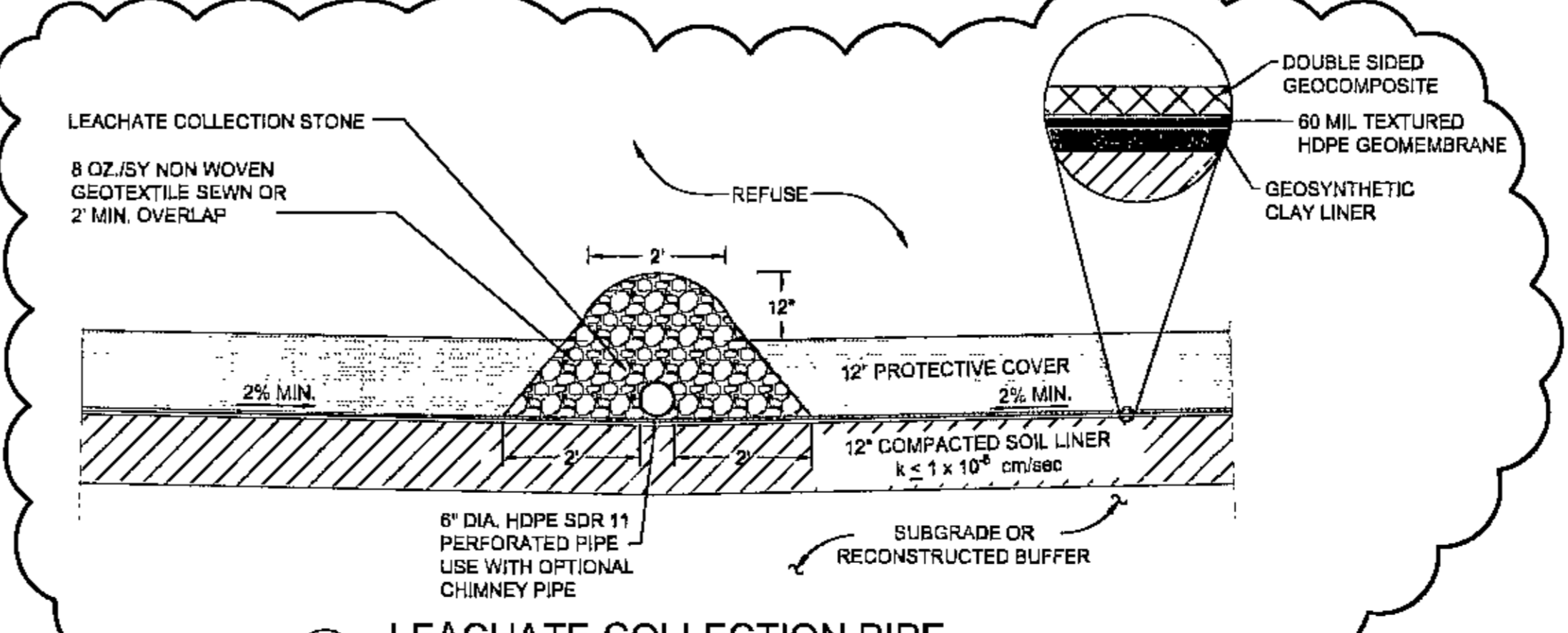
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NTS
REF: 11405-D-SumpPerf.dwg



3 FORCE MAIN PIPE
NTS
REF: 2017-01-ForceMain.dwg



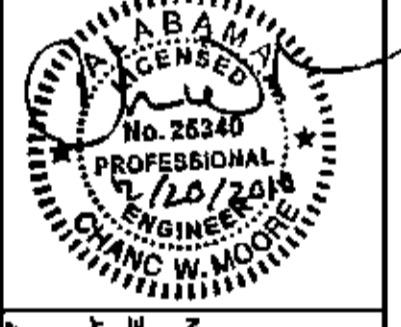
4A FORCE MAIN LATERAL TO HEADER TIE-IN (PLAN VIEW)
NTS
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6 LEACHATE COLLECTION PIPE
SCALE: 1" = 2"
NTS
REF: 11405-D-Collect.dwg

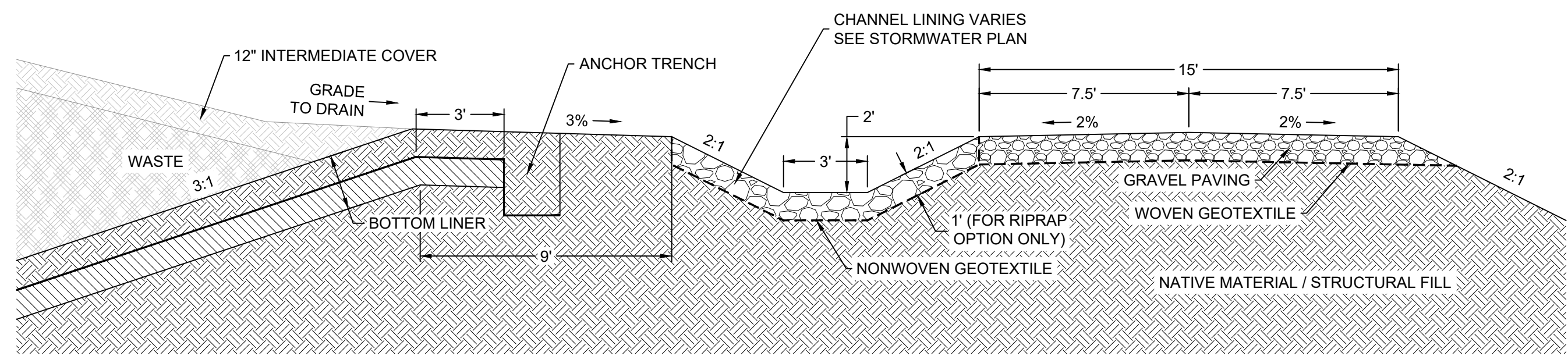
- REVISIONS FROM PREVIOUSLY APPROVED DRAWINGS:
- MAKE CONSISTENT WITH DETAIL 1/14
 - CLARIFY DOUBLE LINED SUMPS 1/14, 2/14
 - REPLACE FLAT STOCK WITH RUB SHEETS 1/14, 2/14
 - INCREASE STONE SURROUND DIMENSIONS ON DETAIL 5/14

NO.	DATE	BY	DESCRIPTION
1	03/14/14	NTS	ISSUED FOR PERMIT
2	03/14/14	NTS	ISSUED FOR PERMIT
3	03/14/14	NTS	ISSUED FOR PERMIT
4	03/14/14	NTS	ISSUED FOR PERMIT
5	03/14/14	NTS	ISSUED FOR PERMIT
6	03/14/14	NTS	ISSUED FOR PERMIT
7	03/14/14	NTS	ISSUED FOR PERMIT
8	03/14/14	NTS	ISSUED FOR PERMIT
9	03/14/14	NTS	ISSUED FOR PERMIT
10	03/14/14	NTS	ISSUED FOR PERMIT
11	03/14/14	NTS	ISSUED FOR PERMIT
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13	03/14/14	NTS	ISSUED FOR PERMIT
14	03/14/14	NTS	ISSUED FOR PERMIT

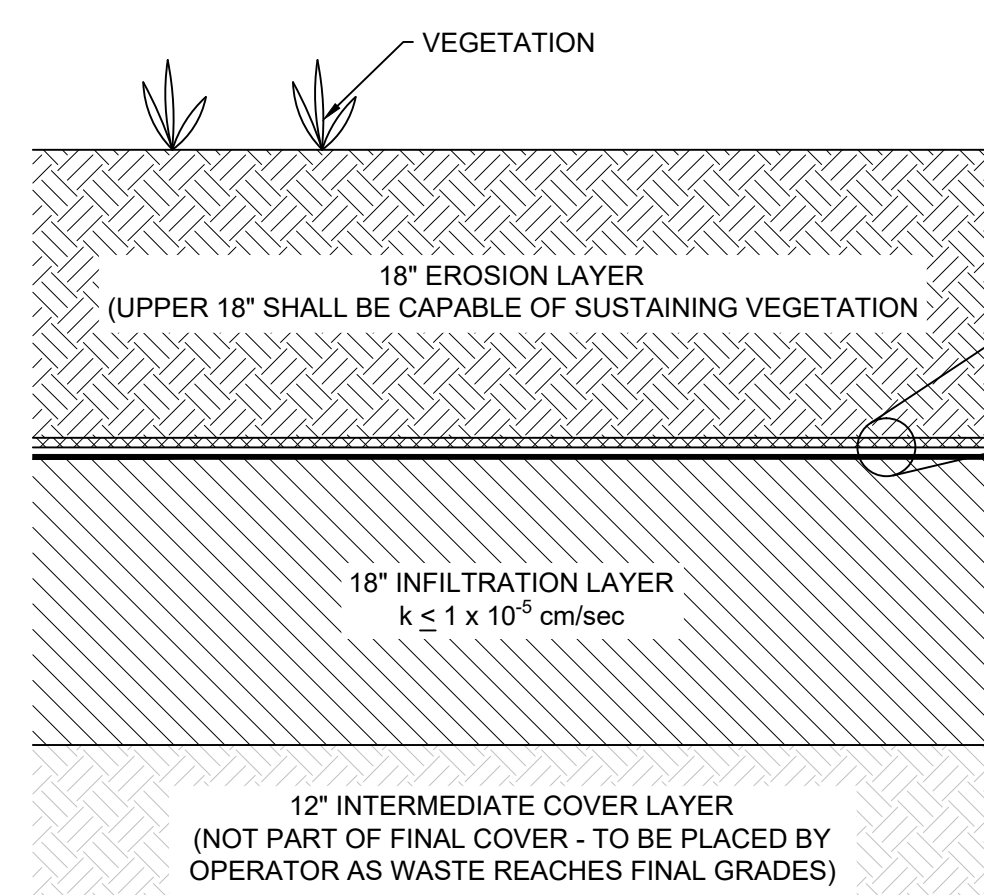


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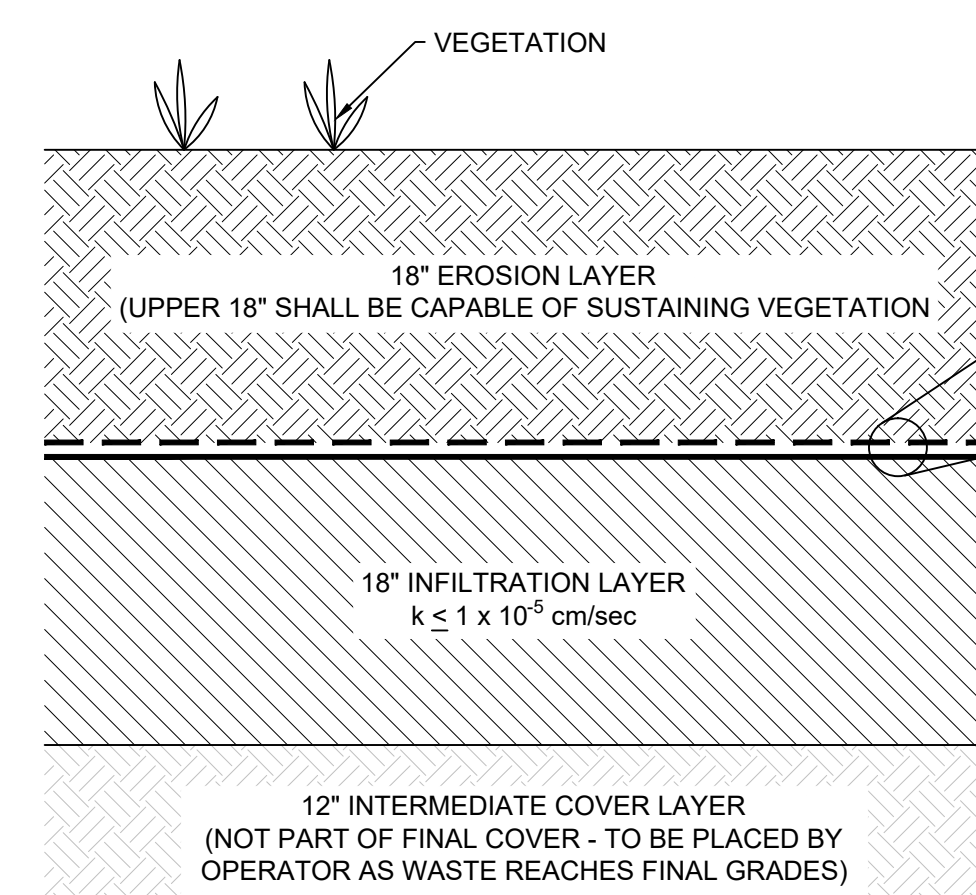
CONSTRUCTION DETAILS I
PERMIT MODIFICATIONS
PINEVIEW SANITARY LANDFILL
WALKER COUNTY, ALABAMA



2 PERIMETER BERM (PRE-CLOSURE)
15 NTS



4 TYPICAL FINAL CAP SECTION
15 NTS

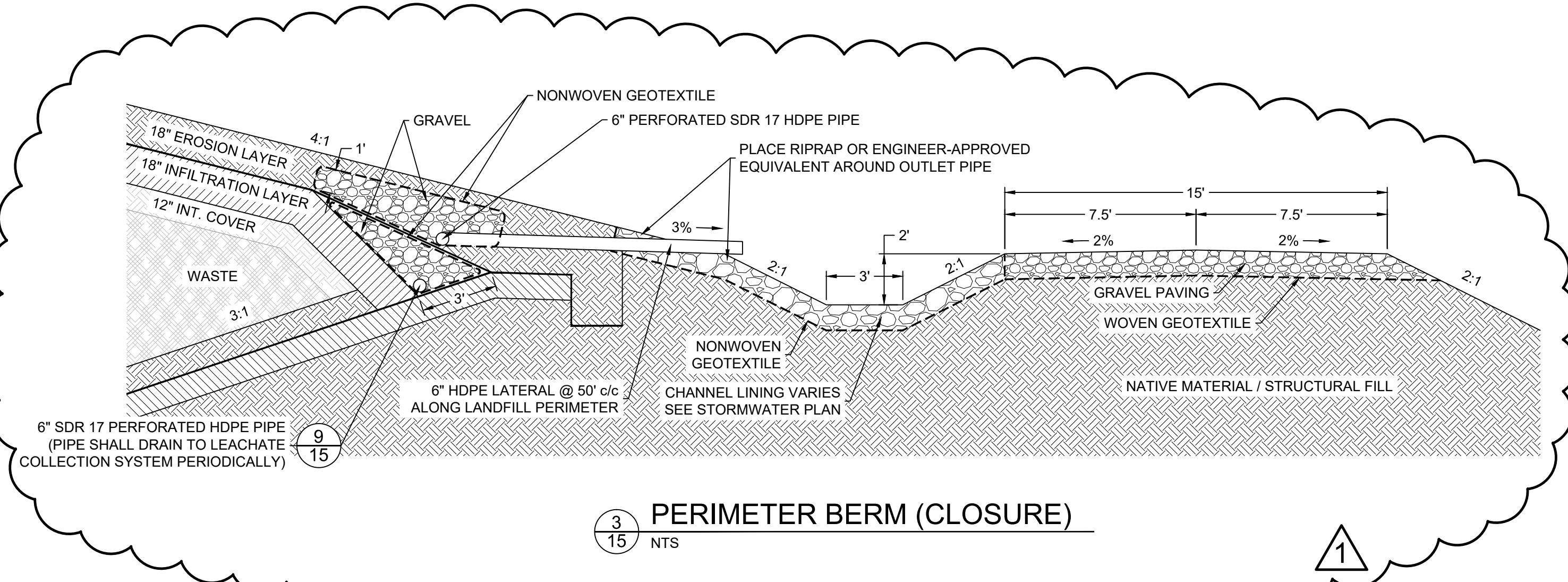


9 ALTERNATE FINAL CAP SECTION
15 NTS

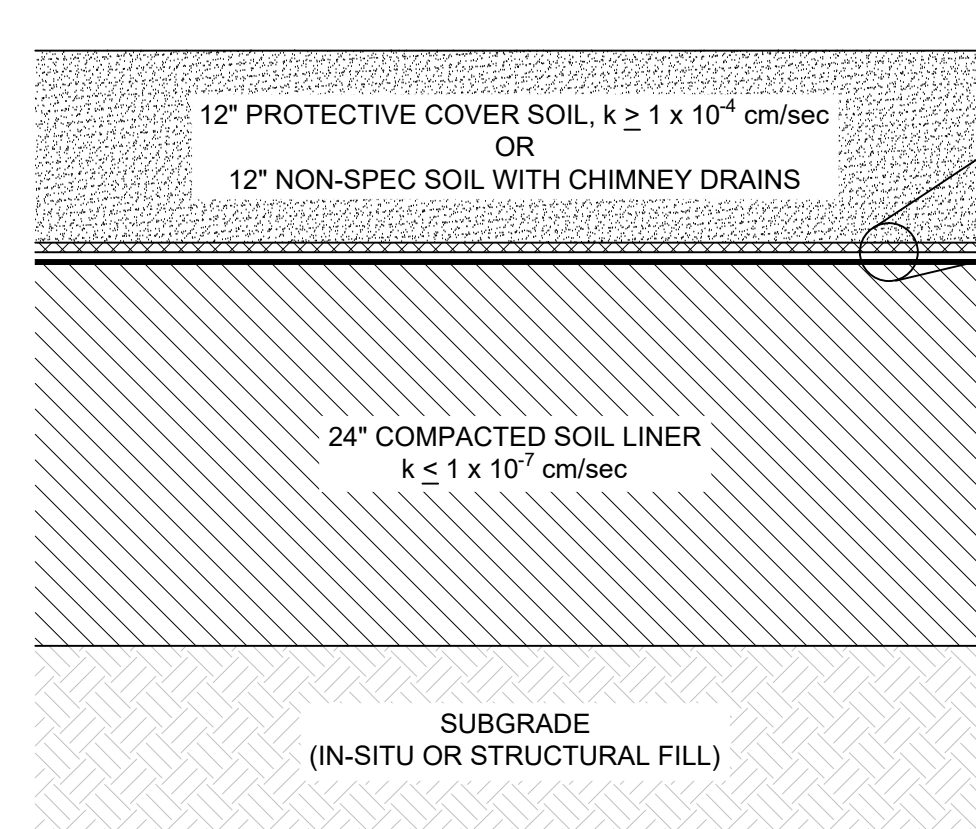
NOTE:
OPERATIONAL SOILS USED TO COVER THE WASTE MAY BE CONSIDERED SUITABLE FOR THE INFILTRATION LAYER PROVIDED THE MATERIAL MEETS ALL THE MATERIAL PROPERTIES REQUIRED BY THE COA PLAN.

NOTES:

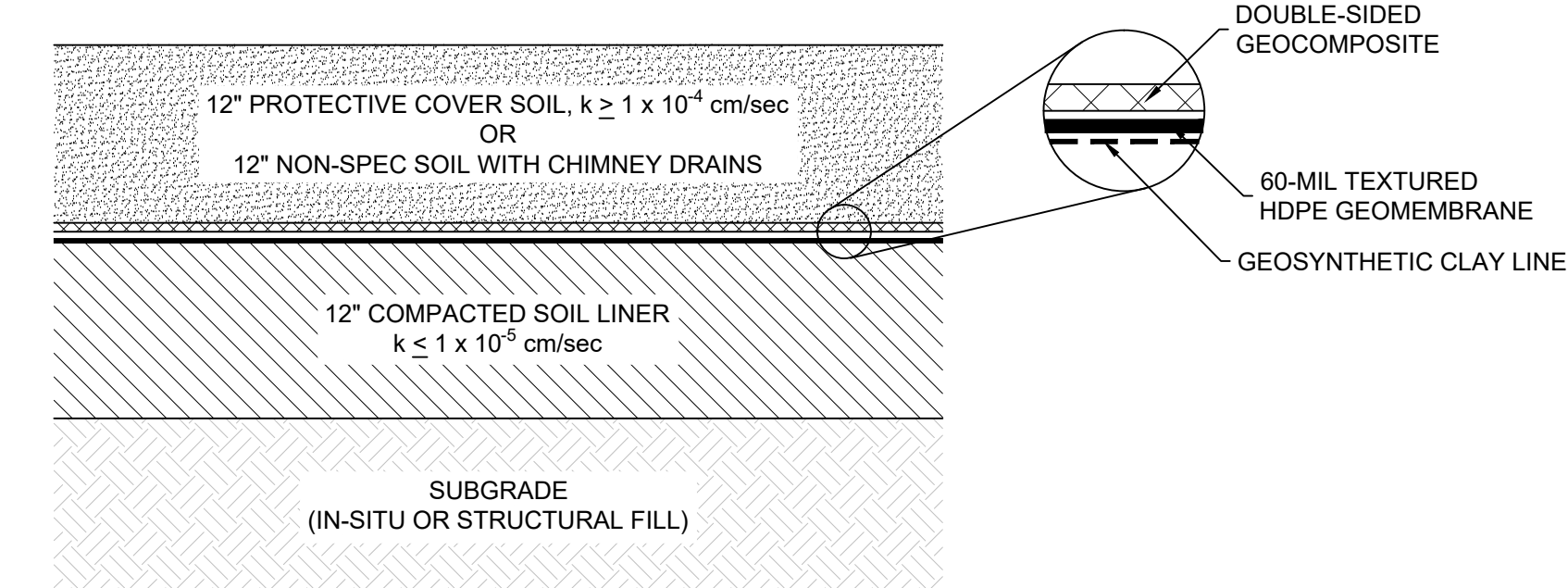
- OPERATIONAL SOILS USED TO COVER THE WASTE MAY BE CONSIDERED SUITABLE FOR THE INFILTRATION LAYER PROVIDED THE MATERIAL MEETS ALL THE MATERIAL PROPERTIES REQUIRED BY THE COA PLAN.
- THE FILTER FABRIC ABOVE THE DRAINAGE STRUCTURED GEOMEMBRANE SHALL HAVE APPARENT OPENING SIZE (AOS) NO LARGER THAN 0.21 mm, A MINIMUM PERMEABILITY OF 1×10^{-4} cm/sec, AND A POROSITY > 40% FOR NON-WOVEN FABRICS OR A PERCENT OPEN AREA (POA) > 6% FOR WOVEN FABRICS. COMBINATIONS OF FILTER FABRICS OR SUPPLEMENTING THE FILTER FABRIC WITH A SAND FILTER MAY BE ALLOWED BY THE COA CERTIFYING ENGINEER PROVIDED THAT EQUIVALENCY TO THE AFOREMENTIONED SPECIFICATIONS IS DEMONSTRATED.



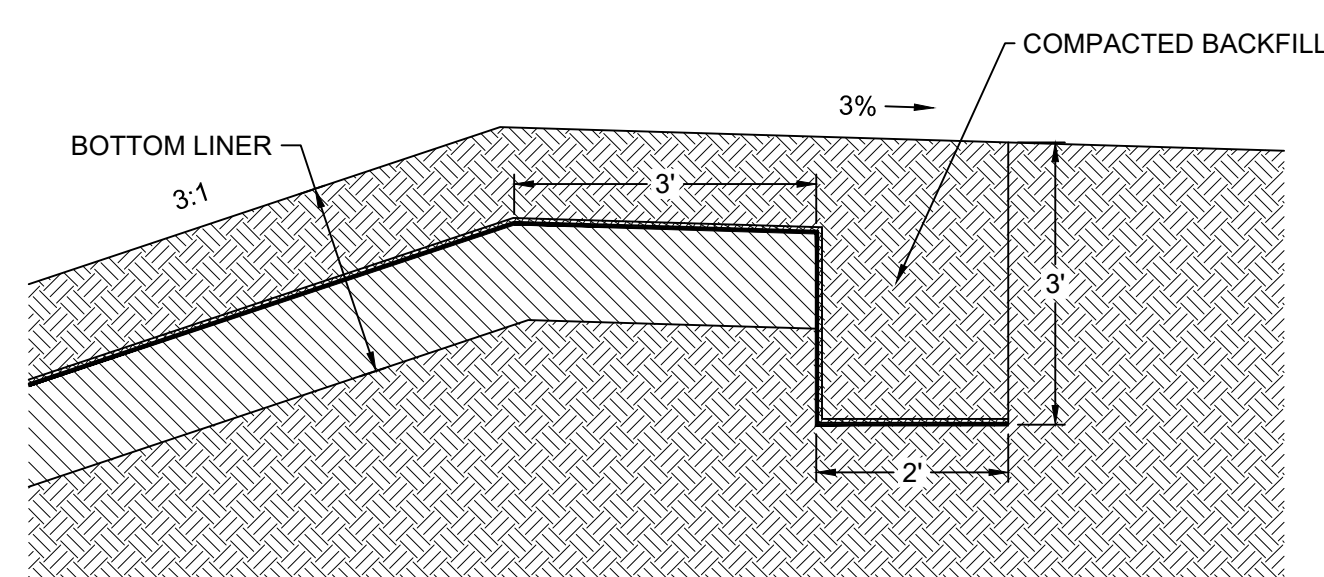
3 PERIMETER BERM (CLOSURE)
15 NTS



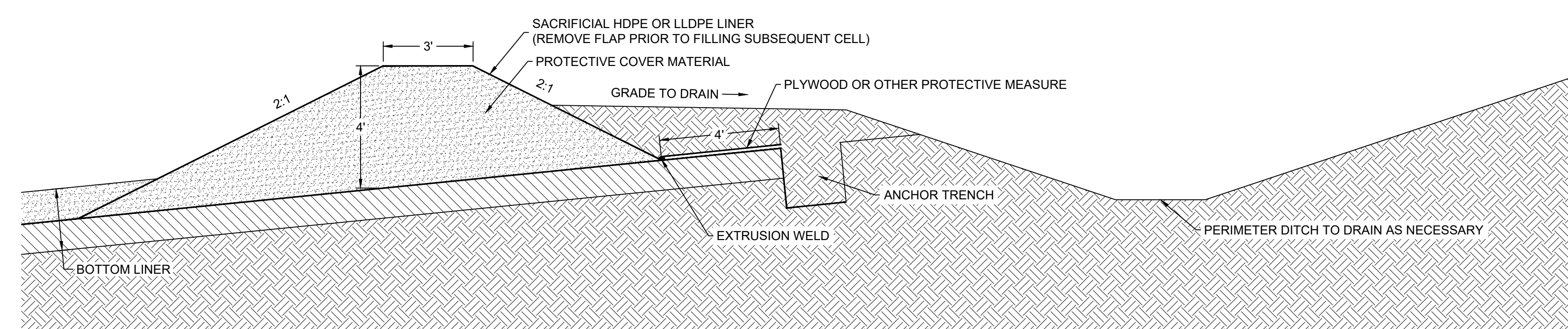
6 TYPICAL BOTTOM LINER SECTION
15 NTS



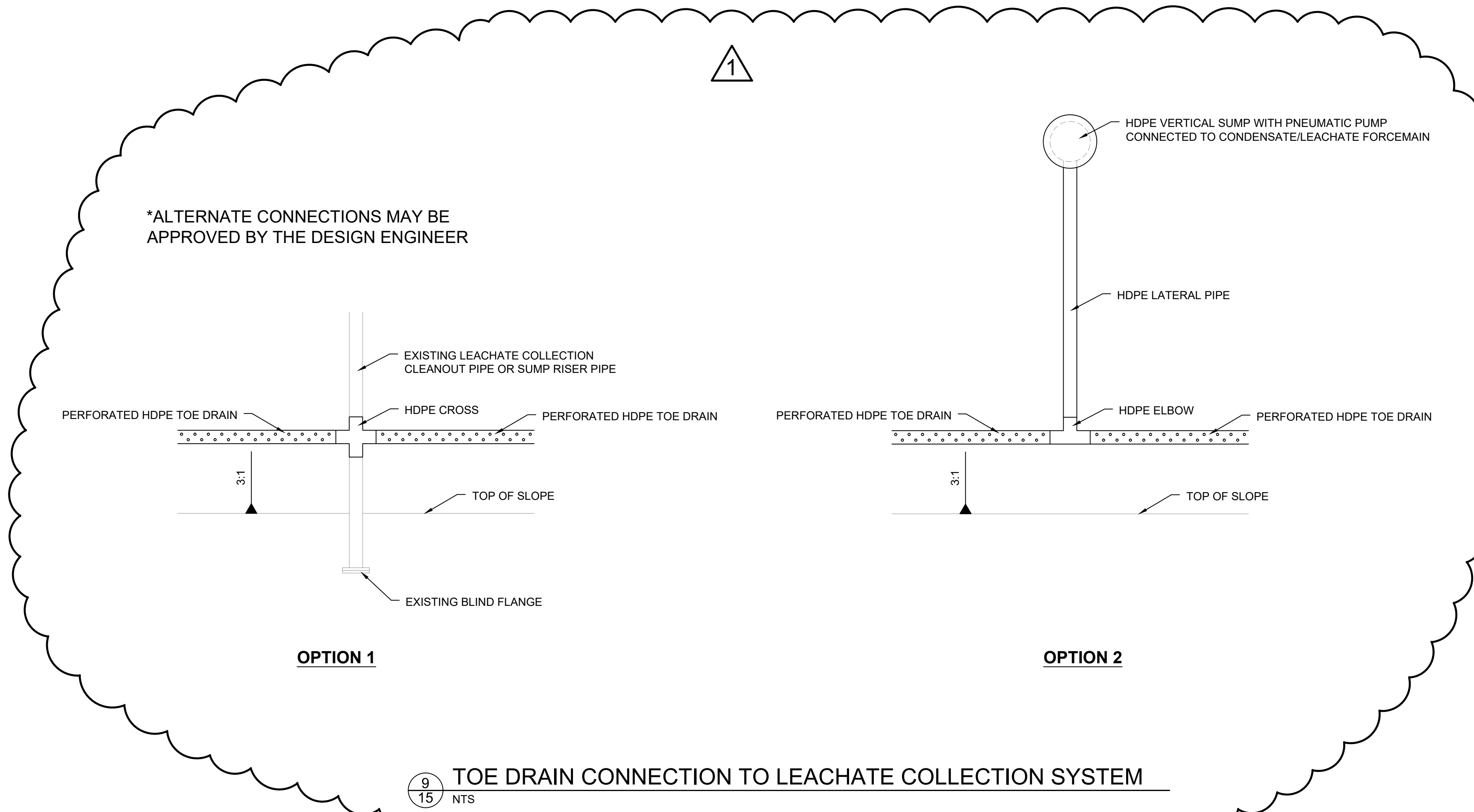
5 ALTERNATE BOTTOM LINER SECTION
15 NTS



7 ANCHOR TRENCH
15 NTS



8 TEMPORARY EDGE OF CELL RAIN FLAP
15 NTS



9 TOE DRAIN CONNECTION TO LEACHATE COLLECTION SYSTEM
15 NTS

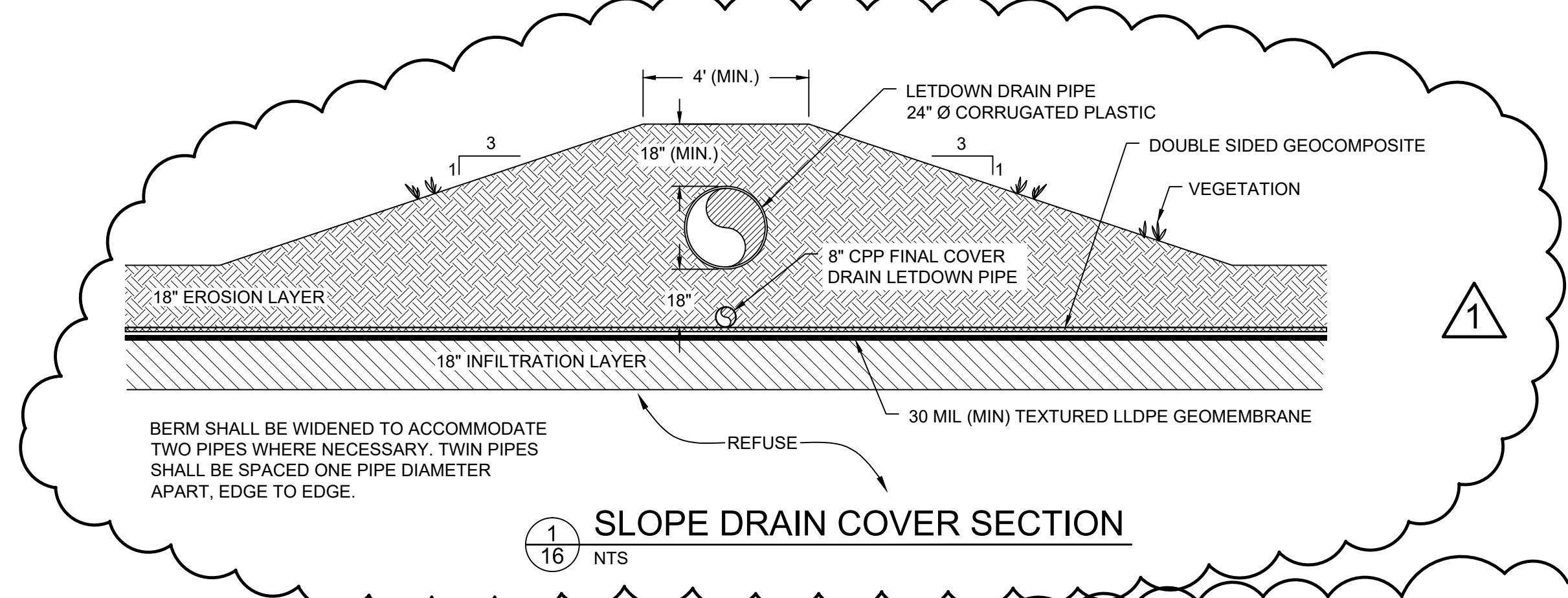
REV	DATE	DES. BY	CHK. BY	APP. BY	DESCRIPTION
1	11/24/2014	CRW	CRW		ISSUED FOR PERMITTING - 2014 REVISIONS

PREPARED BY: **PROMUS ENGINEERING**
100 CHEROKEE BLVD., SUITE 6012 CHATTANOOGA, TENNESSEE 37405

PROJECT NO.: 140074
SHEET NUMBER: **15**

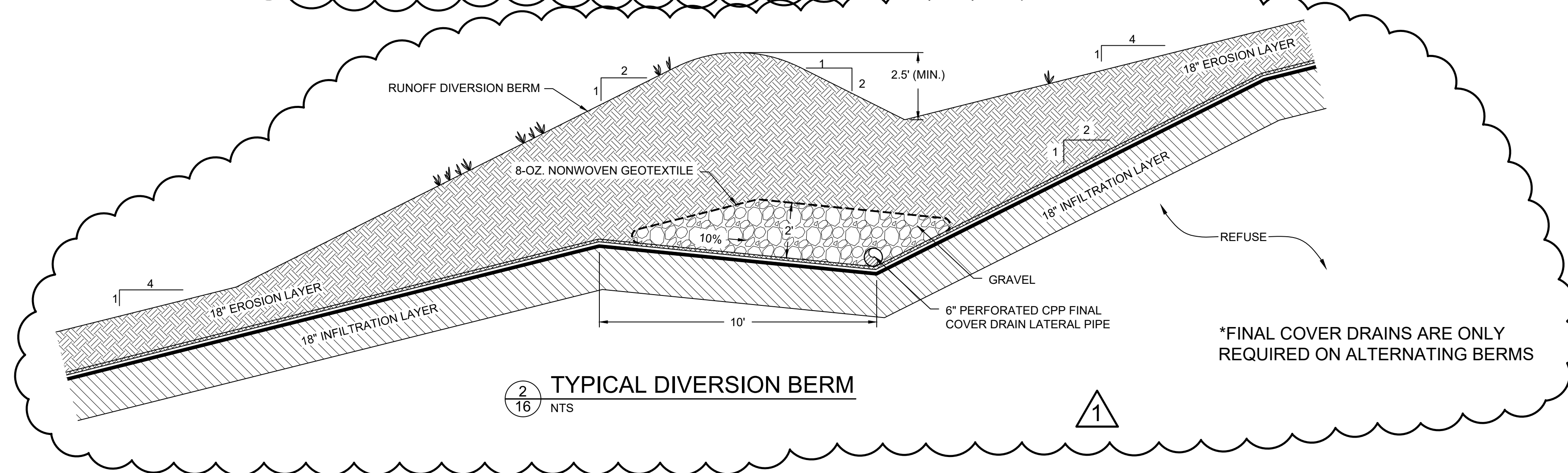
CONSTRUCTION DETAILS II
PERMIT RENEWAL AND MODIFICATION
PINEVIEW LANDFILL
DORA, ALABAMA

PREPARED FOR: **REPUBLIC SERVICES, INC.**
3345 COUNTY ROAD 208 COLLINGSVILLE, ALABAMA 35961



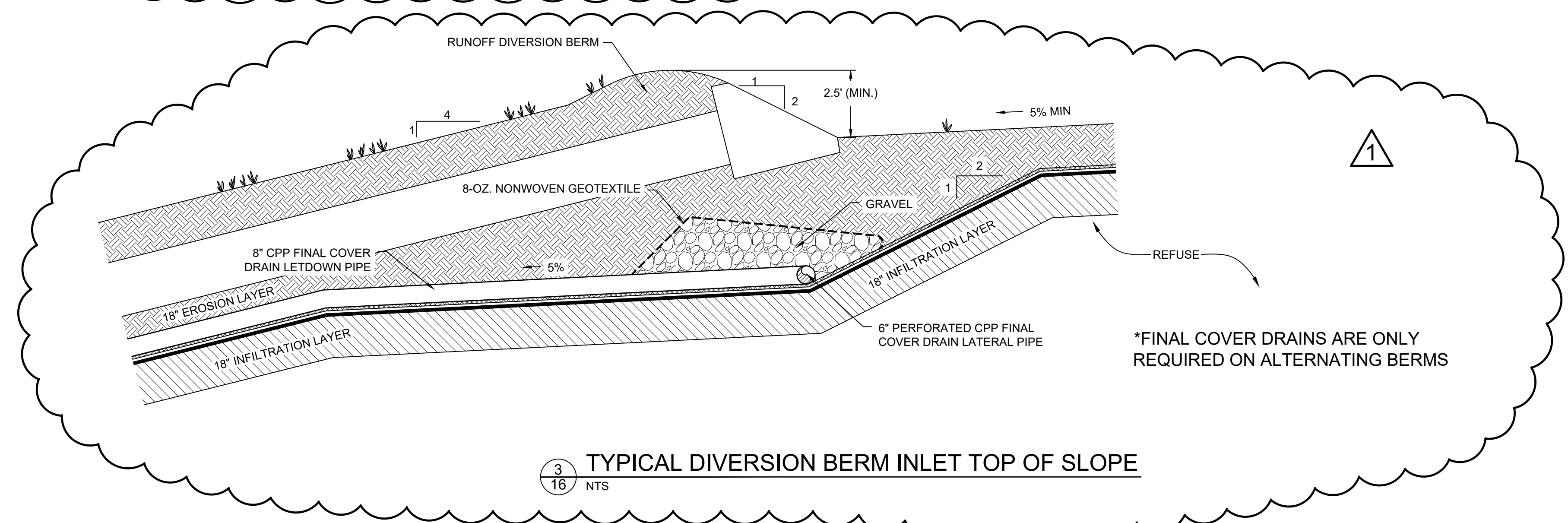
BERM SHALL BE WIDENED TO ACCOMMODATE TWO PIPES WHERE NECESSARY. TWIN PIPES SHALL BE SPACED ONE PIPE DIAMETER APART, EDGE TO EDGE.

1
16 NTS
SLOPE DRAIN COVER SECTION



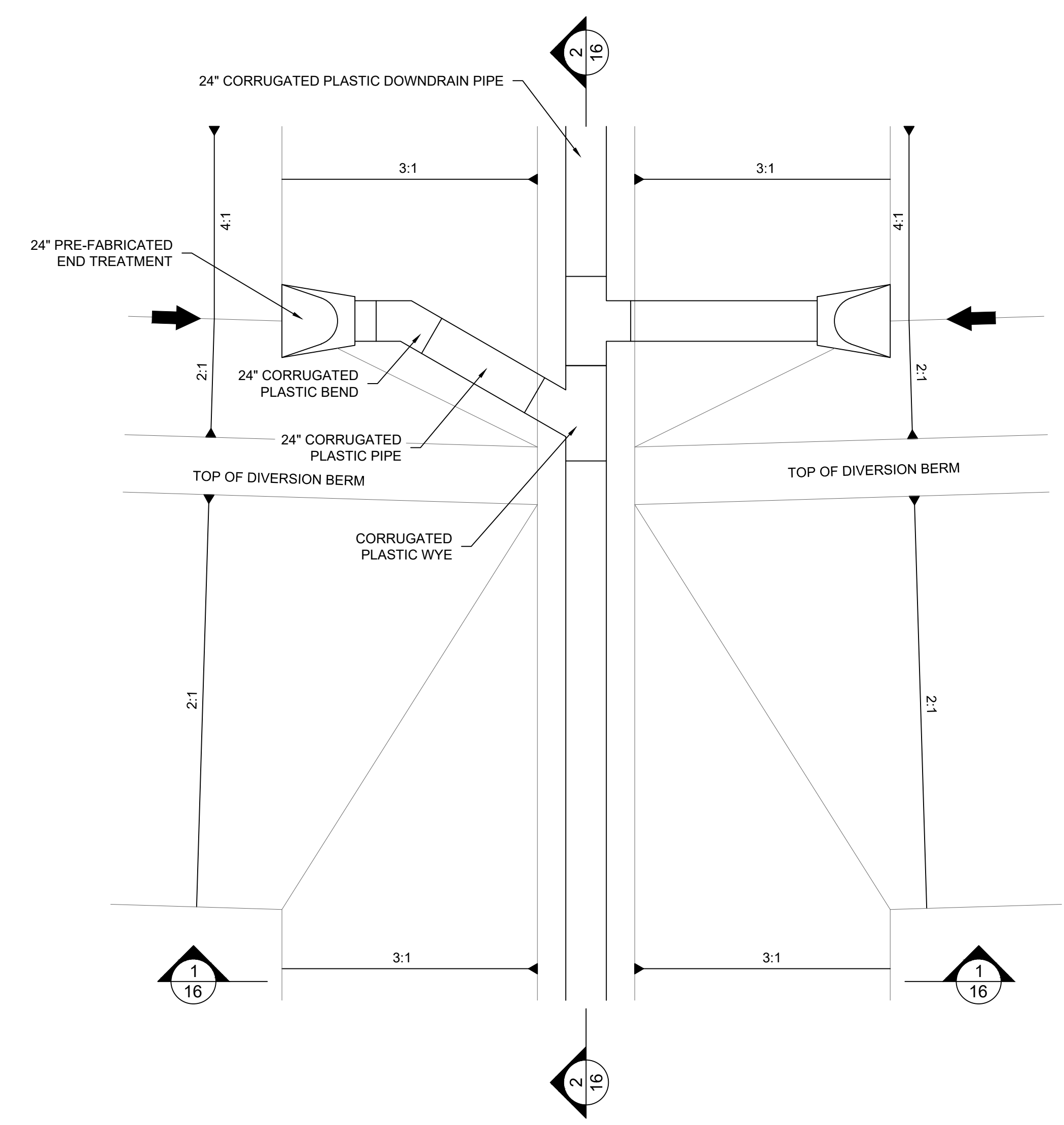
*FINAL COVER DRAINS ARE ONLY REQUIRED ON ALTERNATING BERMS

2
16 NTS
TYPICAL DIVERSION BERM

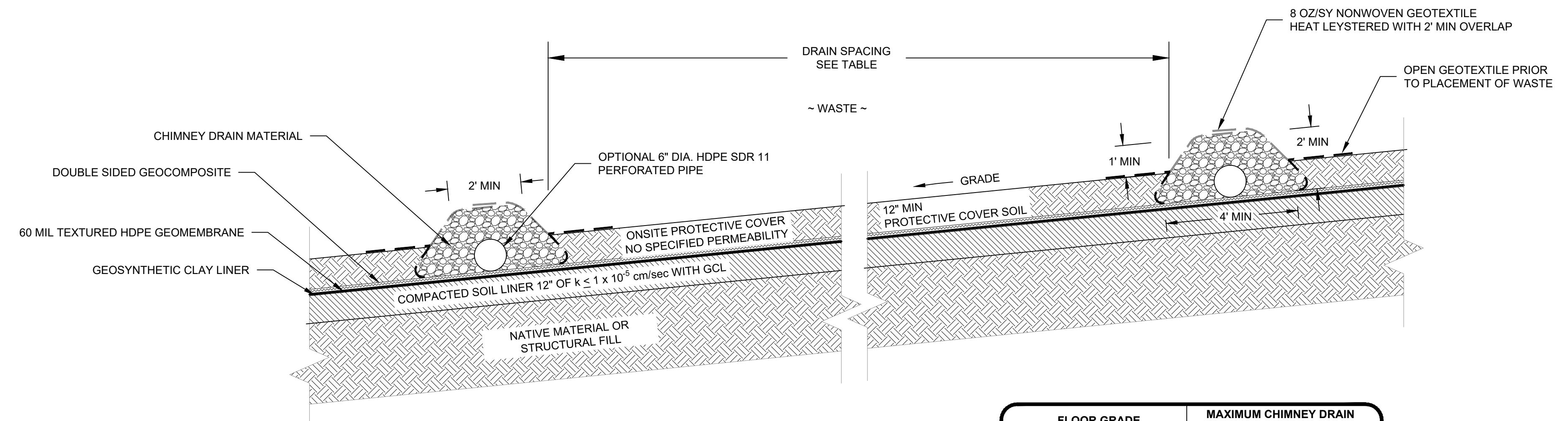


*FINAL COVER DRAINS ARE ONLY REQUIRED ON ALTERNATING BERMS

3
16 NTS
TYPICAL DIVERSION BERM INLET TOP OF SLOPE

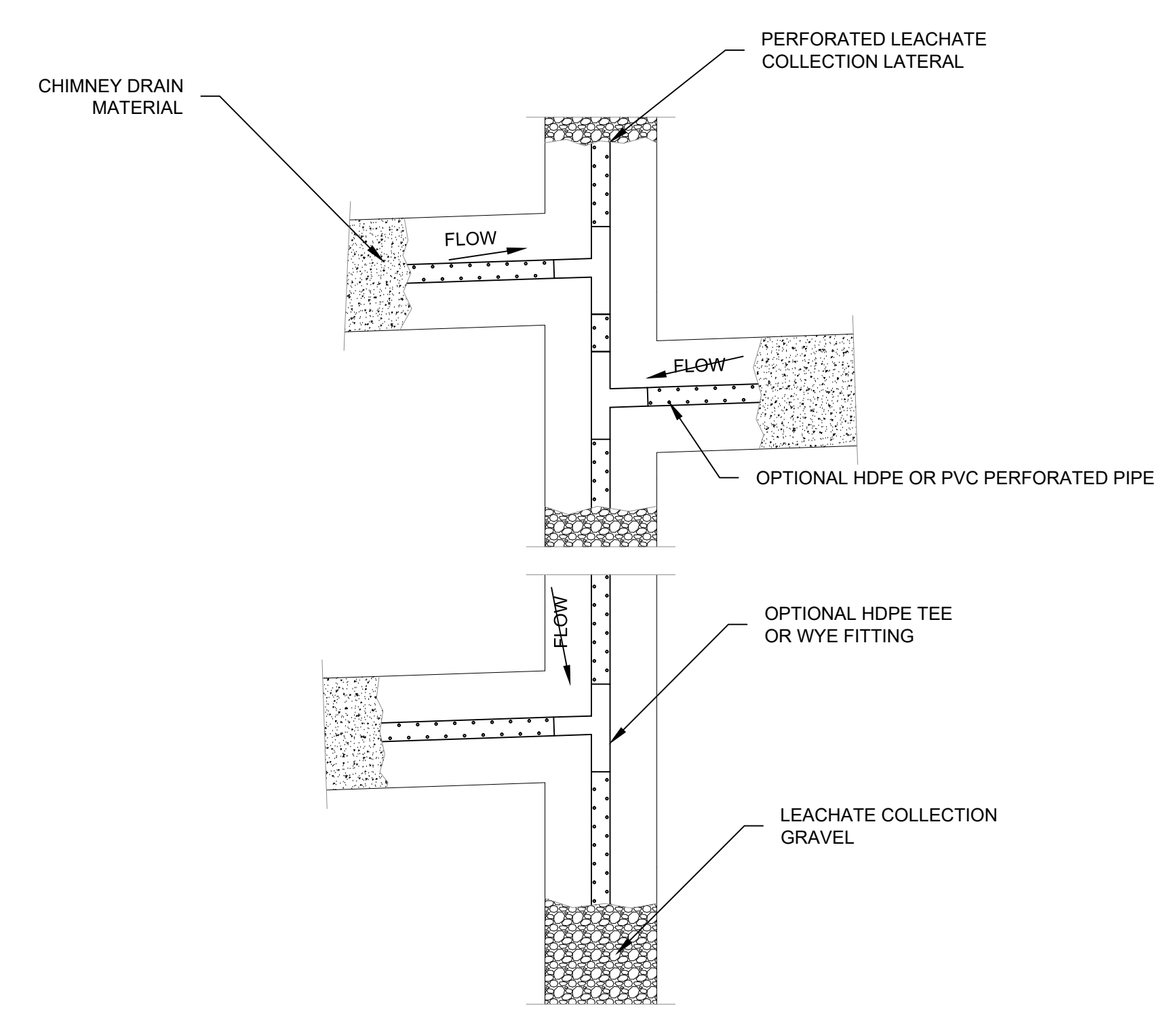


4
16 NTS
SLOPE DRAIN INLET DETAIL



FLOOR GRADE (%)	MAXIMUM CHIMNEY DRAIN SPACING (FT)
0 - 2	100
2 - 5	160
5 - 10	205
10 - 20	280

7
16 NTS
CHIMNEY DRAIN CROSS SECTION



8
16 NTS
CHIMNEY DRAIN AND LCP TYPICAL INTERSECTION

REV	DATE	DES. BY	DRAWN BY	APPROVED BY	DESCRIPTION
1	11/24/2014	CRV	CRV		ISSUED FOR PERMITTING - 2014 REVISIONS

PREPARED FOR:
REPUBLIC SERVICES, INC.
 3345 COUNTY ROAD 208
 COLLINSVILLE, ALABAMA 35961

PREPARED BY:
PROMUS ENGINEERING
 100 CHEROKEE BLVD., SUITE 2012
 CHATTANOOGA, TENNESSEE 37405

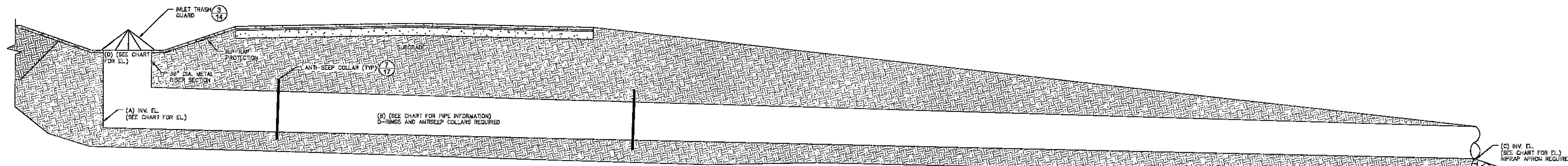


CONSTRUCTION DETAILS III
 PERMIT RENEWAL AND MODIFICATION
 PINEVIEW LANDFILL
 DORA, ALABAMA

PROJECT NO.: 140074
 SHEET NUMBER

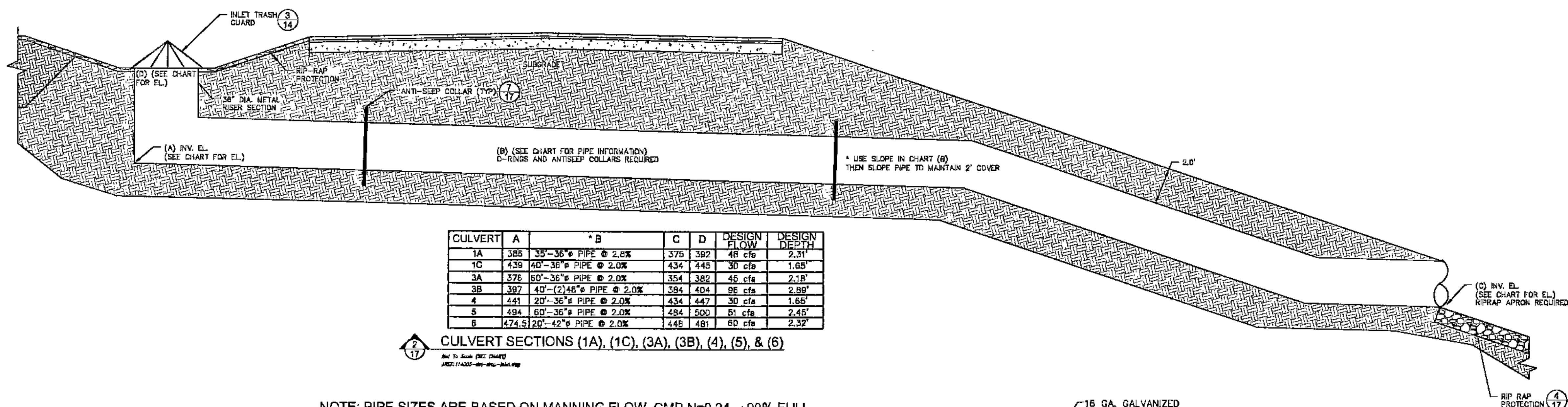
16

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CULVERT	A	B	C	D	DESIGN FLOW	DESIGN DEPTH
2	455.6	118'-(2)42" PIPE @ 1.3%	454	482	8' cfs	3.06'

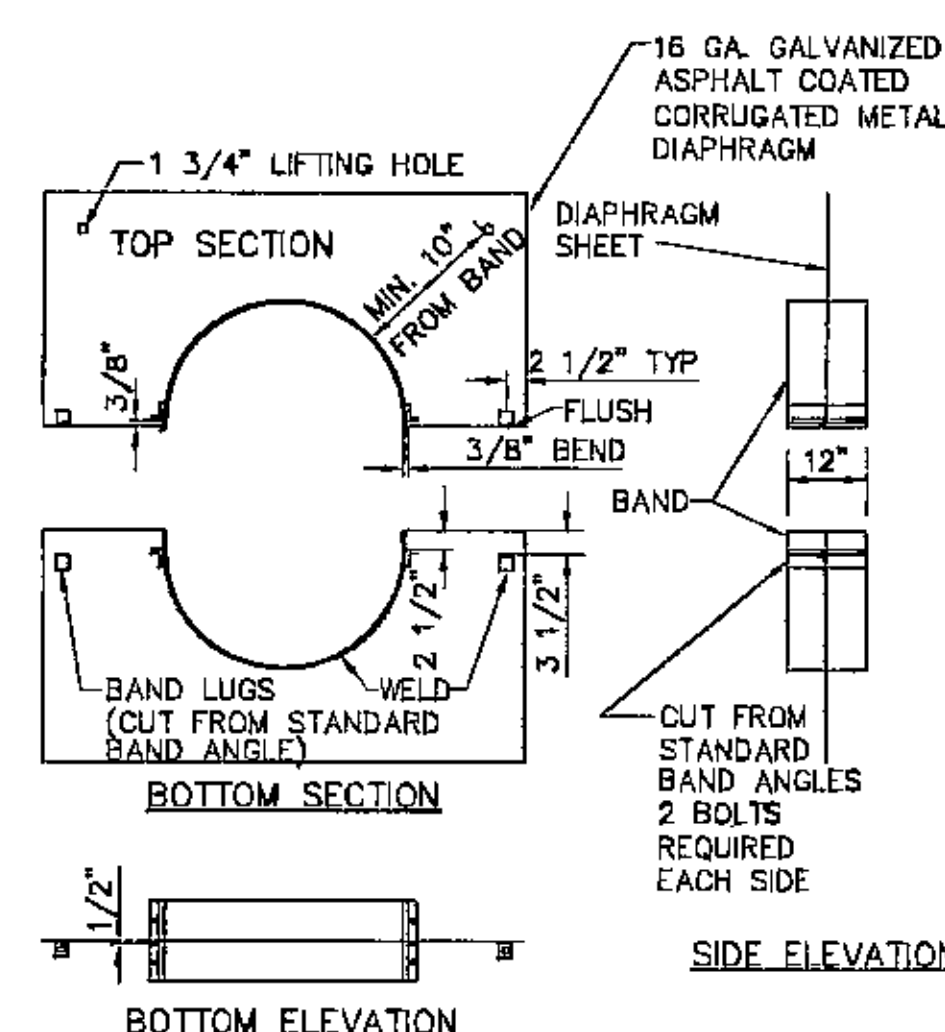
CULVERT SECTION (2)
REV. 10/2004 (SEE CHART)
114000-01-RIP-RAP-01.dwg



CULVERT	A	*B	C	D	DESIGN FLOW	DESIGN DEPTH
1A	385	36"-36" PIPE @ 2.8%	375	392	48 cfs	2.31'
1C	458	48"-36" PIPE @ 2.0%	434	445	30 cfs	1.85'
3A	372	60"-36" PIPE @ 2.0%	354	382	45 cfs	2.18'
3B	397	48"-(2)48" PIPE @ 2.0%	384	404	95 cfs	2.89'
4	441	24"-36" PIPE @ 2.0%	434	447	30 cfs	1.65'
5	494	60"-36" PIPE @ 2.0%	484	500	51 cfs	2.45'
6	474.3	24"-42" PIPE @ 2.0%	448	481	60 cfs	2.32'

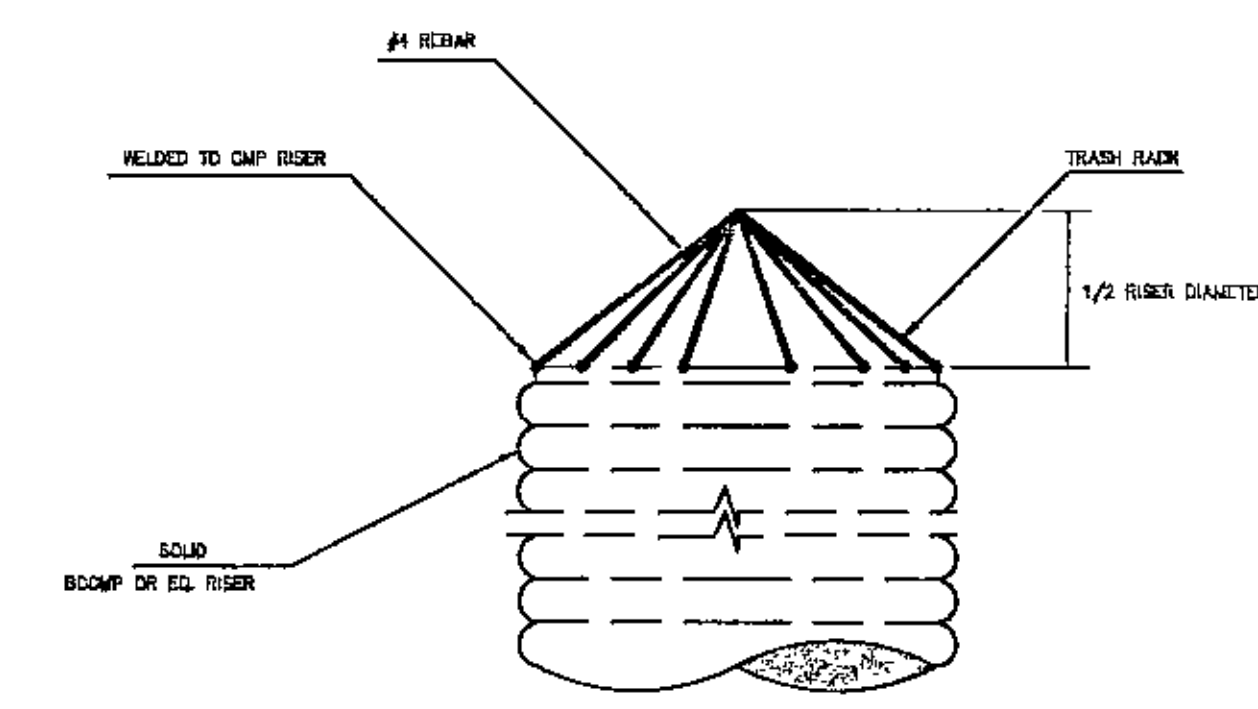
CULVERT SECTIONS (1A), (1C), (3A), (3B), (4), (5), & (6)
REV. 10/2004 (SEE CHART)
114000-01-RIP-RAP-01.dwg

NOTE: PIPE SIZES ARE BASED ON MANNING FLOW, $CMP, N=0.24, \leq 90\%$ FULL. EQUIVALENT ENGINEER APPROVED PIPES MAY BE SUBSTITUTED.

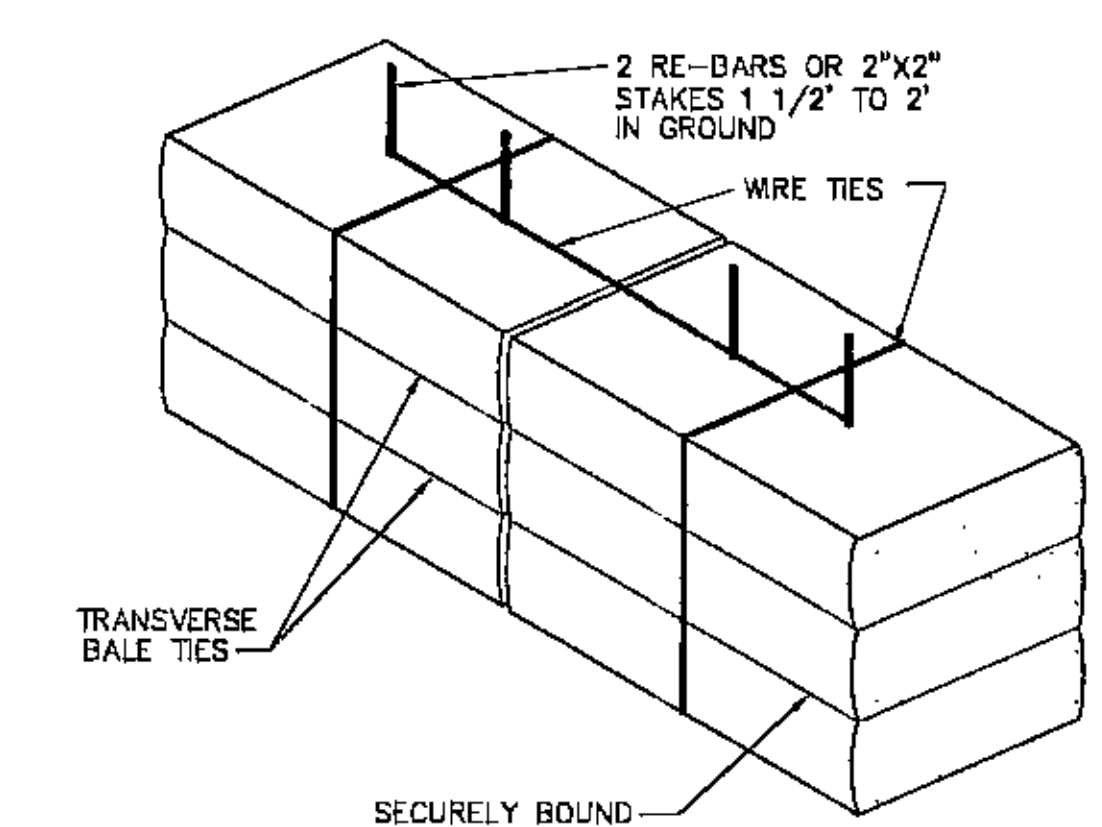


- NOTES:
- SEAM SEALANT TAPE IS TO BE FURNISHED AND INSTALLED BETWEEN PIPE AND BAND AND BETWEEN SECTIONS OF DIAPHRAGM SHEET AT TIME OF INSTALLATION.
 - HALVES ARE TO BE MARKED SO THAT EACH HALF OF EACH DIAPHRAGM MAY BE IDENTIFIED AT TIME OF INSTALLATION.
 - LAP SHALL BE CAULKED W/ASPHALT DURING INSTALLATION.
 - INSTALL W/CORRUGATION VERTICAL.
 - SEE SEDIMENT POND DETAIL FOR DIMENSIONS.

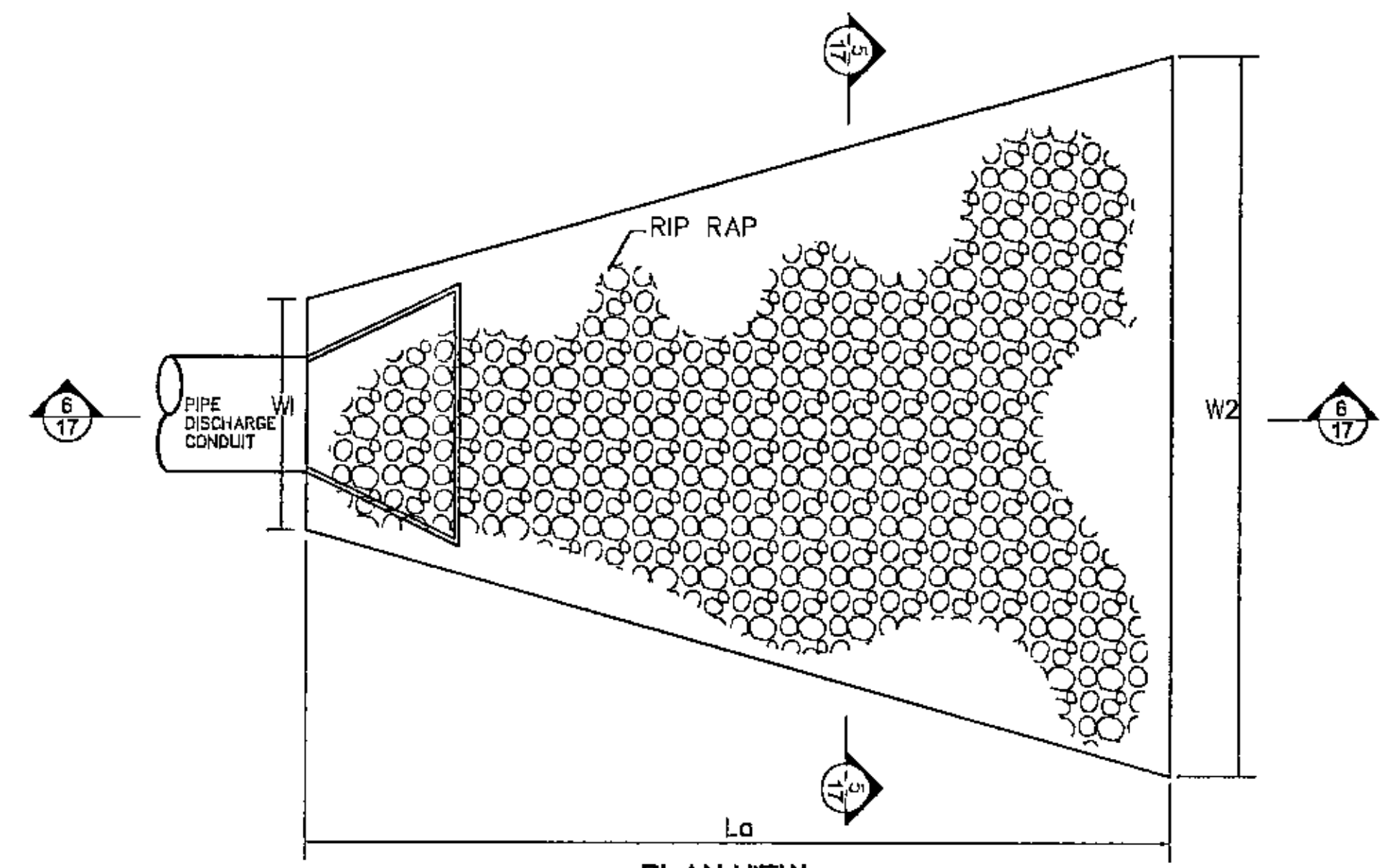
ANTI-SEEP COLLAR DETAIL
REV. 10/2004 (SEE CHART)
114000-01-RIP-RAP-01.dwg



INLET TRASH GUARD
REV. 10/2004 (SEE CHART)
114000-01-RIP-RAP-01.dwg

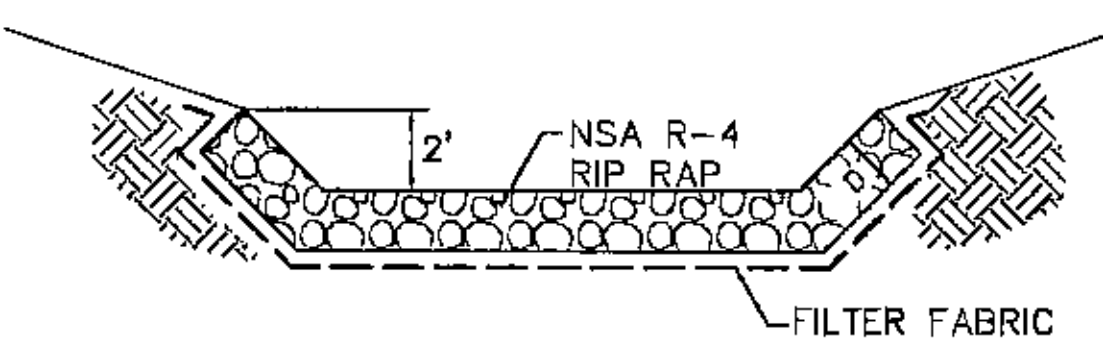


HAY BALE DETAIL
REV. 10/2004 (SEE CHART)
114000-01-RIP-RAP-01.dwg

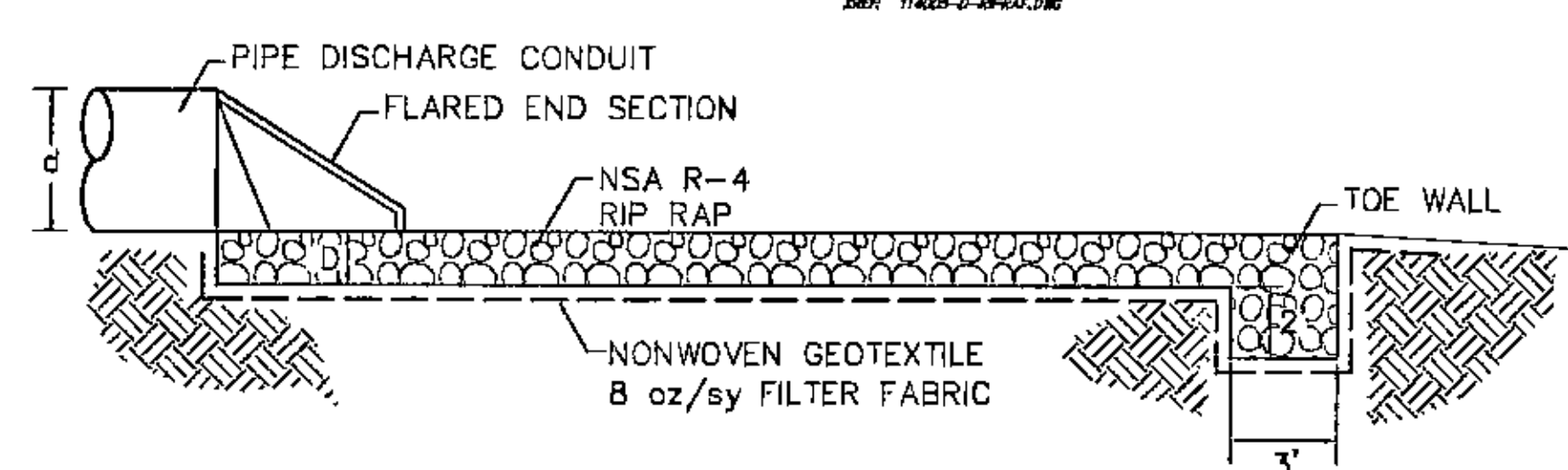


PLAN VIEW RIP RAP PROTECTION
REV. 10/2004 (SEE CHART)
114000-01-RIP-RAP-01.dwg

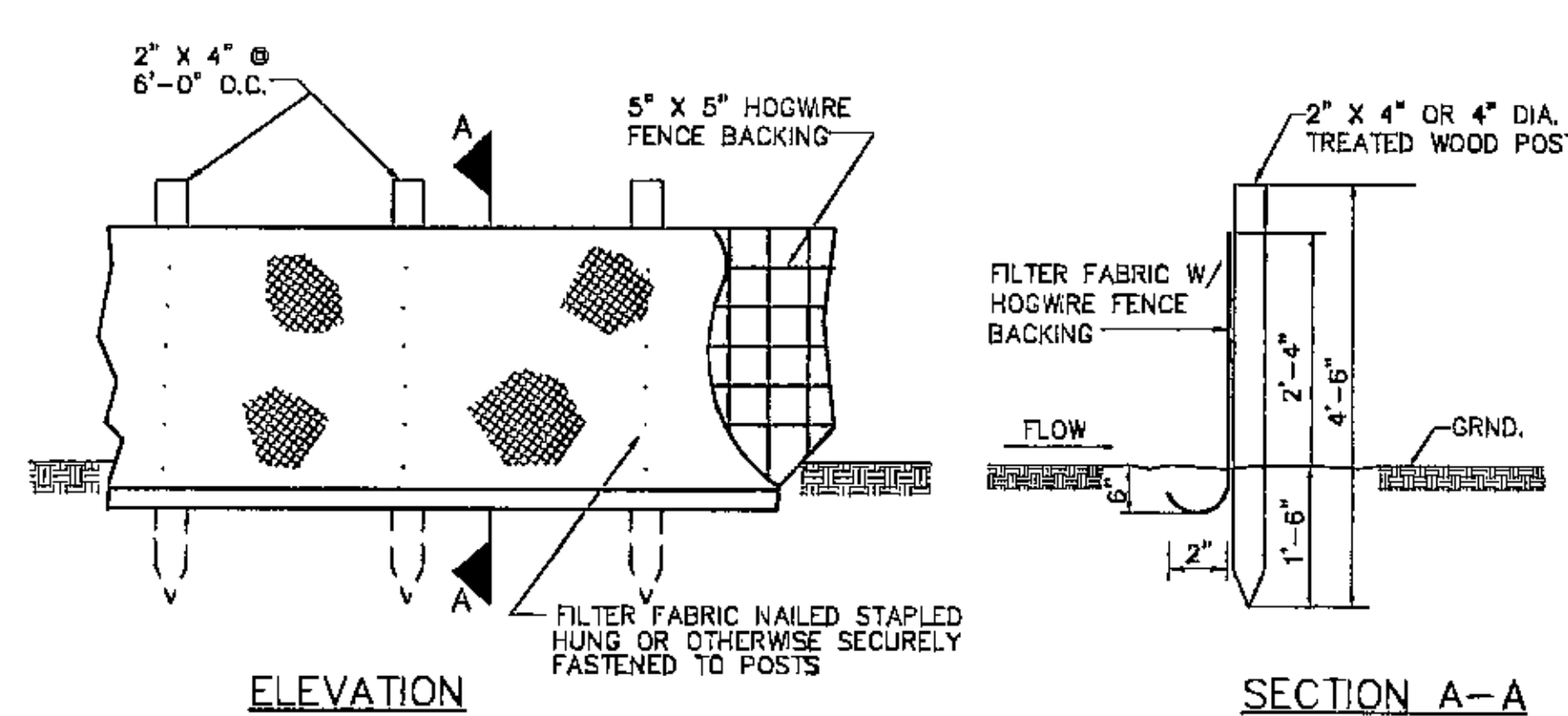
CULVERT	L1	W1	W2	d
1A	20'	9'	23'	20"
1B	24'	14'	32'	20"
2	20'	16'	34'	20"
3A	20'	9'	23'	20"
3B	22'	14'	35'	20"
4	14'	9'	17'	20"
5	20'	9'	23'	20"
6	22'	9'	25'	20"



CROSS SECTION THROUGH RIP RAP PROTECTION
REV. 10/2004 (SEE CHART)
114000-01-RIP-RAP-01.dwg

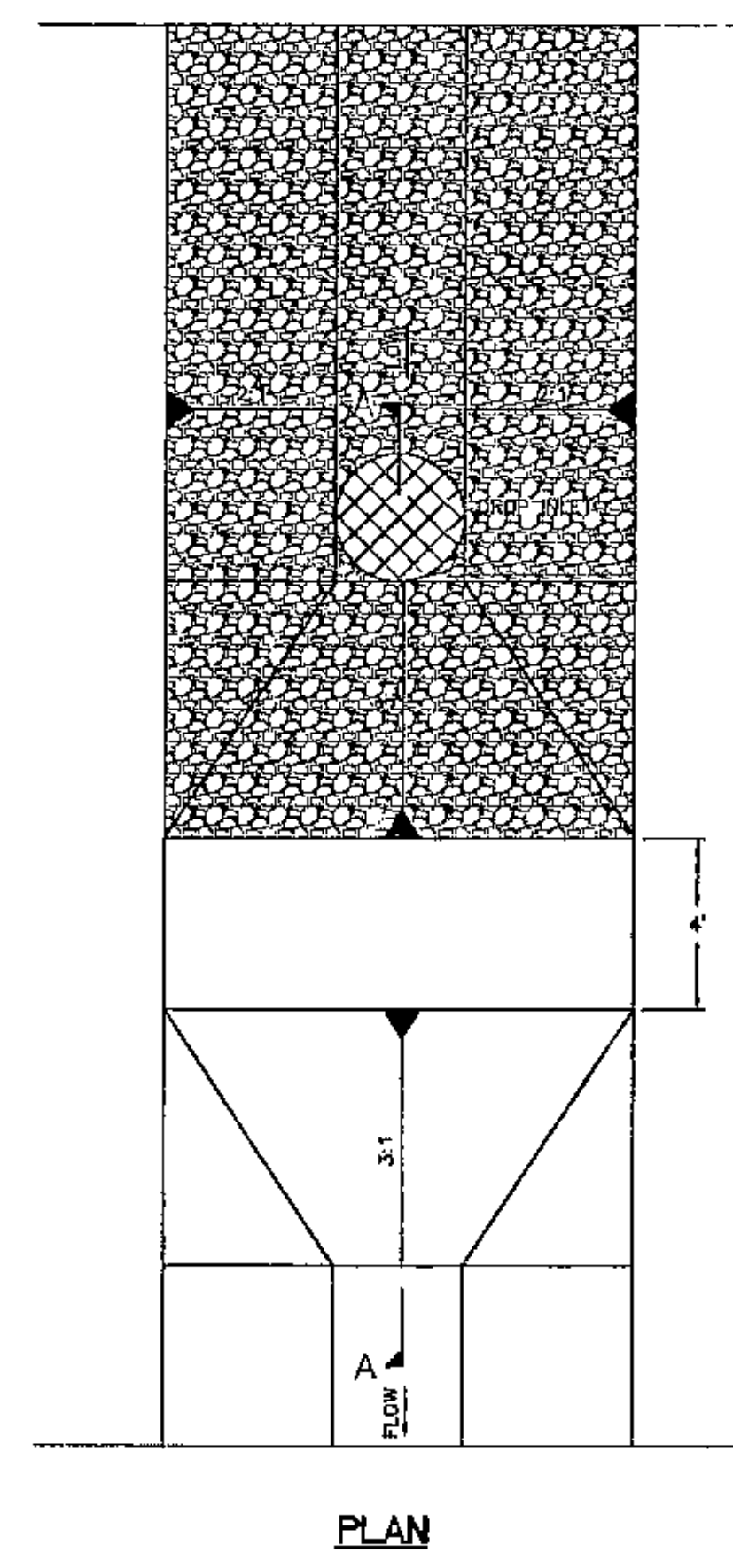


CROSS SECTION THROUGH RIP RAP PROTECTION
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114000-01-RIP-RAP-01.dwg

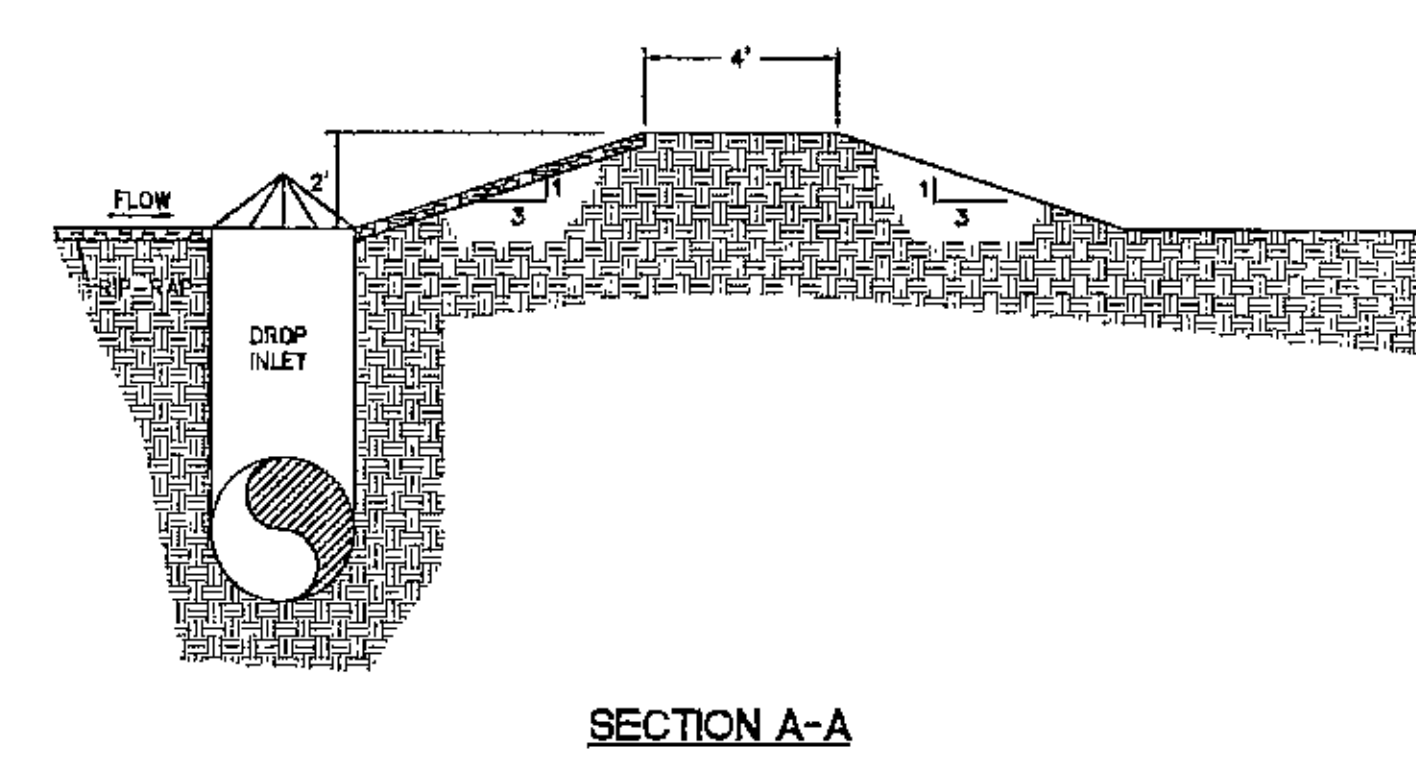


NOTE: FILTER FABRIC SHALL BE D.O.T. APPROVED.

SILT FENCE DETAIL
REV. 10/2004 (SEE CHART)
114000-01-RIP-RAP-01.dwg



WATERSTOP BERM
REV. 10/2004 (SEE CHART)
114000-01-RIP-RAP-01.dwg



Attachment 3

Revised Portions of D&O Plan

6. CLOSURE AND POST-CLOSURE PLAN

Information regarding closure and post closure activities and maintenance programs are contained in this section to satisfy the requirements of 335-13-4-.20.

Final Cover Soil

The intermediate and final soil cover will be obtained from the excavated earthen material stockpiled during the development of the Landfill. If adequate sources for day, daily cover, topsoil, etc. are not available from the 3 on-site borrow areas, off-site sources meeting the soil criteria will be obtained.

In the areas where the active filling will not occur for a period of 120 days or more, a minimum of 12 inches of intermediate soil cover will be applied.

The final cap design consists of a cap foundation with a minimum 18 inches of compacted soil placed on the intermediate cover soil, followed by a minimum 30-mil geomembrane, a geocomposite, and 18-inch protective soil layer. Vegetation will be the last component of the final cap design.

Alternatively, the final cover system may consist of a 50-mil structured geomembrane and nonwoven geotextile in lieu of the 30-mil geomembrane and geocomposite. Details for both final cover profile options are depicted in the Permit Drawings.

Grade (5% to 25%)

As different phases of the Landfill are closed, contours will be developed according to the final grading plan. Final contours shown are approximations and are intended as a general guide. If any significant changes become necessary to the final grading plan, ADEM's approval must be obtained.

Intermediate and final soil cover will be graded so that surface water does not pond on the Landfill. The final cap design of the Landfill will not exceed 25 percent (4H:1V) on the side slopes and the cover slope will not be less than 5 percent.

Stormwater Diversion Berms

Stormwater diversion berms will be constructed every approximately 20 feet rise in elevation to manage stormwater runoff and control erosion. The berms will be constructed in general accordance with the details provided in the Permit Drawings.

Final Grading

Final grading will be provided within 60 days after the Landfill has reached the final approved elevations, or landfilling has ceased to occur in each phase.

Vegetative Cover

The Owner will establish vegetative cover to reduce erosion and maximize evapotranspiration. The final cover surface will be scarified, fertilized, limed, seeded, and mulched as soon as practical or within 90 days after completion of the final grading of each phase.

Appropriate species of grass seed, fertilizer, lime, and their rates of application will be consistent with the recommendations of the local Soil Conservation Service. The vegetative cover will be nurtured and maintained until it has established itself.

Maintenance

Maintenance of any area receiving intermediate cover or final cap will include routine inspections for areas which may be forming rills and gullies, ponding of water, or extensive surface cracking.

Eroded areas will be filled with suitable soil or re-worked, compacted, graded, and vegetated. Areas where ponding is occurring will be filled, graded, and vegetated. For those areas with extensive surface cracks, corrective measures may include, but are not limited to: scarify the area, excavate and recompact the soil, or other measures as necessary. An appropriate cover will be maintained on the Landfill at all times.

Post-Closure Maintenance

The Owner will perform post-closure maintenance inspections to assure that appropriate cover is maintained on the Landfill and that all environmental control systems are maintained in a proper functioning manner. Inspections of the closed Landfill will be performed by Landfill personnel to ensure that all post-closure requirements have been met. Inspections of the final cover system, groundwater monitoring system, access roads, notification and warning signs, fencing and surface water management systems shall be performed monthly and after significant storm events to detect evidence of deterioration, malfunction or improper operation.

The leachate pumping system and gas collection and control system shall be maintained as necessary to maintain compliance. The gas collection system shall be inspected on a routine basis to maintain adequate collection of landfill gas. The leachate treatment and storage facilities shall be inspected on a weekly basis. The structural integrity of the leachate storage tanks shall be maintained to ensure containment of leachate. The tanks shall be inspected annually for leaks.

Sedimentation ponds shall be dredged, as necessary, to maintain the design capacity.

The leachate collection pipes shall be maintained to ensure a free flow of leachate. The outlets of the leachate collection pipes shall be visually inspected on a weekly basis and if blockage and clogging of the system is evident the collection pipes shall be cleared by water jet flushing

or an equivalent method. The header pipes shall be cleaned as necessary to ensure a free flow of leachate.

If an inspection indicates that corrective measures are required to repair or restore a component, maintenance will be performed as soon as practical and reported to ADEM.

Access Control Structures

Fences, entrance gates, constructed artificial barriers, and natural vegetative barriers have all been used to control access into the facility during the active operation. To protect and maintain the integrity of the closed Landfill, these structures will be maintained and kept functional to control access during the post-closure period.

Signs

A sign will be posed at the main entrance gate stating that the Landfill is permanently closed and identifying the location of the nearest permitted landfill disposal facility.

Monitoring Devices

The Owner will perform post-closure maintenance inspections to assure that the monitoring devices are functional throughout the post-closure care period. The inspection will include the gas management system, leachate collection and removal system, groundwater monitoring system, and surface water management system as describe in Post-Closure Maintenance.

If an inspection indicates that corrective measures are required to repair or restore a component, maintenance will be performed as soon as practical and reported to ADEM.

Vector Control

During the routine post-closure maintenance inspection, the Owner will check for vectors. Vectors are not anticipated to be a problem during the post-closure period. However, should vectors become a problem, then the Owner will take appropriate action to control them.

Record Notation on Land Deed

After post-closure, the area of the property used for the disposal operation will not be used or anyone allowed to disturb the integrity of the final cover, the liners, or any other component of the containment system or the function of the monitoring systems, unless approved by ADEM.

Within 90 days after permit expiration, revocation, or when final closure requirements in 335-13-4-.20 are achieved as determined by ADEM, the Owner will document compliance with the requirements of the Uniform Environmental Covenants Program in ADEM Administrative Code Division 335-5 and will record a notation onto the land deed containing the property

utilized for disposal, and/or some other legal instrument that is normally examined during a title search, that will in perpetuity, notify any potential purchaser of the property that:

1. The land has been used as a solid waste disposal facility landfill unit;
2. The land use is restricted by the items contained in 335-13-4-.20(3)(c) and 335-13-4-.20(3)(d) of the Administrative Code of ADEM;
3. Locations and dimensions of the disposal facility with respect to permanently surveyed benchmarks and surveyed benchmarks and section corners shall be on a plat prepared and sealed by a Land Surveyor;
4. Contain a note, prominently displayed, which states the name of the permittee or operating agency, the type of landfill unit and the beginning and closure dates of disposal activity;
5. Certification by an Engineer or Land Surveyor that all closure requirements have been completed as determined necessary by ADEM.

The Owner will submit a certified copy of the recording instrument to ADEM within 120 days after permit expiration or as otherwise directed by ADEM.