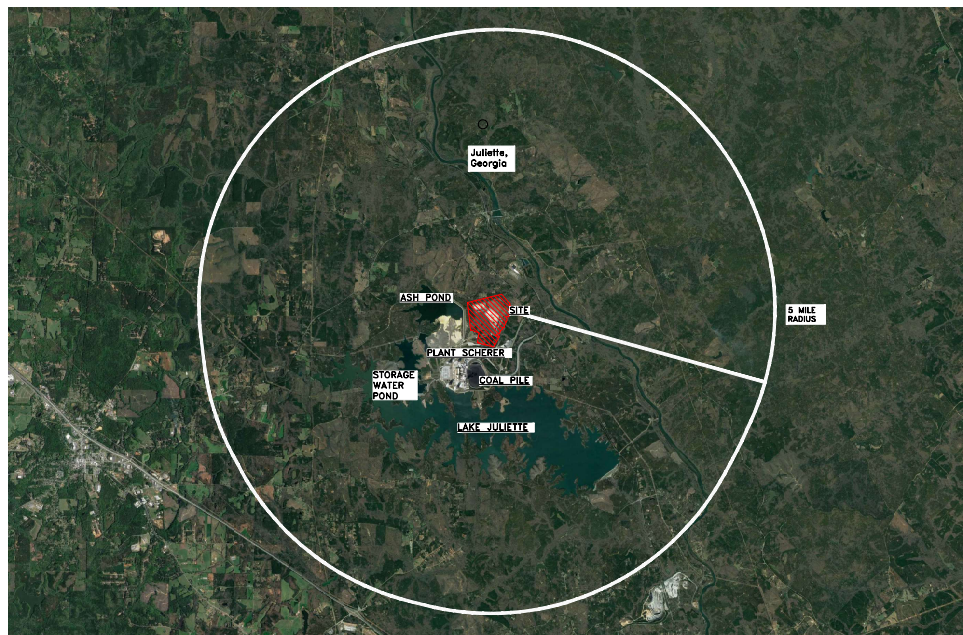


HIC11000	REV1	Title Sheet and Drawing Index	
HIC11001	REV0	Permitted Site Boundary, Plot and Legal Description	
HIC11002	REV0	Site Topographic Survey	
HIC11003	REV0	Wetland Boundaries, 100 Year Flood Plain, Stream Buffers and Boring Locations	
HIC11004	REV0	General Site Development, Call Layout	
HIC11005	REV0	Call No. 1 - Site Development Base Grading Plan	
HIC11005A	REV0	North Sedimentation Pond Double Line System Completion	
HIC11005B	REV0	North Sediment Pond Miscellaneous Sections	
HIC11005C	REV0	Call 2 Area Temporary Sediment Basin	
HIC11006	REV0	Call No. 1 - Final Shading Plan	
HIC11007	REV0	Call No. 2 - Site Development - Base Grading Plan	
HIC11008	REV0	Call No. 1 and Call No. 2 - Final Shading Plan	
HIC11009	REV0	Call No. 1 and Call No. 2 - Section A-B-B Perimeter Dike Through Final Stack	
HIC11012	REV0	Call No. 2 - Section C-C and Section D-D Perimeter Dike Through Final Stack	
HIC11014	REV0	Call No. 1 and Call No. 2 Miscellaneous Sections	
HIC11015	REV0	Call No. 1 and Call No. 2 Miscellaneous Sections	
HIC11016	REV0	Call No. 1 and Call No. 2 Miscellaneous Sections	
HIC11016	REV0	Call No. 1 and Call No. 2 Miscellaneous Sections	
HIC11017	REV0	Call No. 1 and Call No. 2 Miscellaneous Sections	
HIC11017	REV0	Call No. 1 and Call No. 2 Miscellaneous Sections	
HIC11019	REV0	Call No. 1 and Call No. 2 Miscellaneous Details	
HIC11020	REV0	Call No. 1 Through Call No. 3 Miscellaneous Details Sheet 3	
HIC11021	REV0	Call No. 1 and Call No. 2 Filling and Operations Plan	
HIC11022	REV0	Geologic Sections A-A and Section B-B	
HIC11027	REV0	Potentiometric Surface October 25, 2007	
HIC11028	REV0	Composite Seasonal High Groundwater Map	
HIC11029	REV0	Compliance Network Sheet	
HIC11031	REV0	Call No. 1 and Call No. 2 - Siphon Sections and Details	
HIC11032	REV0	Call No. 1 and Call No. 2 & PAC/Ash Cell, Erosion Control Sections and Details	
HIC11033	REV0	Call No. 1 and Call No. 2 & PAC/Ash Cell, Erosion Control Sections and Details	
HIC11034	REV0	Call No. 1 and Call No. 2 & PAC/Ash Cell Miscellaneous Sections and Details	
HIC11035	REV0	Call No. 1 and Call No. 2 Miscellaneous Sections and Details	
HIC11036	REV0	Call No. 1 and Call No. 2 Flume Data Sheet	
HIC11037	REV0	Call No. 1 and Call No. 2 Leachate Collection and Removal System Layout	
HIC11038	REV0	Call No. 1 and Call No. 2 Leachate Collection and Removal System Details	
HIC11041	REV0	Call No. 1 and Call No. 2 Clear Pool Return Water Intake Plan & Sections	
HIC11042	REV0	PAC/Ash Cell Site Development, Base Grading Plan	
HIC11043	REV0	PAC/Ash Cell, Final Shading Plan	
HIC11044	REV0	PAC/Ash Cell, Section A-A and Section B-B	
HIC11045	REV0	PAC/Ash Cell, Flume Data Sheet	
HIC11046	REV0	PAC/Ash Cell, Miscellaneous Sections and Details, Sheet 1	
HIC11047	REV0	PAC/Ash Cell, Miscellaneous Sections and Details, Sheet 2	
HIC11048	REV0	PAC/Ash Cell, Miscellaneous Sections and Details, Sheet 3	
HIC11049	REV0	PAC/Ash Cell, Miscellaneous Sections and Details, Sheet 4	
HIC11050	REV0	PAC/Ash Cell, Miscellaneous Sections and Details, Sheet 5	
HIC11051	REV0	PAC/Ash Cell, Miscellaneous Sections and Details, Sheet 6	
HIC11052	REV0	PAC/Ash Cell, Leachate Collection and Removal System Layout	
HIC11053	REV0	PAC/Ash Cell, Return Water Intake Plan & Sections	
HIC11054	REV0	PAC/Ash Cell, Geologic Sections C-C', D-D' and E-E'	
HIC11055	REV0	CELL 1 RAIN COVER SITE PLAN	
HIC11055A	REV0	RAIN COVER SECTIONS AND DETAILS	
HIC11055B	REV0	AERATION FOUNTAINS SITE PLAN	
HIC11056	REV0	CELL 3 EXISTING TOPOGRAPHIC CONDITIONS	
HIC11057	REV1	CELL 3 TOP OF SOIL LINE GRADING PLAN	
HIC11058	REV1	CELL 3 LEACHATE COLLECTION / STORMWATER PUMPING PLAN	
HIC11059	REV1	CELL 3 FINAL GRADING PLAN	
HIC11060	REV1	CELL 3 FINAL DRAINAGE AND EROSION CONTROL PLAN	
HIC11061	REV1	CELL 3 CROSS SECTIONS E AND F	
HIC11062	REV1	CELL 3 MISCELLANEOUS DETAILS	
HIC11063	REV1	CELL 3 MISCELLANEOUS DETAILS	
HIC11064	REV1	CELL 3 MISCELLANEOUS DETAILS	
HIC11065	REV0	CELL 3 MISCELLANEOUS DETAILS	
HIC11066	REV0	CELL 3 MISCELLANEOUS DETAILS	
HIC11067	REV0	CELL 3 MISCELLANEOUS DETAILS	

REVISÉ: DÉCEMBRE 2024




LOCATION MAP  
SCALE AS SHOWN

Site

MONROE COUNTY  
GEORGIA

**LEGEND:**

 COAL COMBUSTION RESIDUALS  
LANDFILL AREA

<u>RESPONSIBLE OFFICIAL</u>	<u>CONSULTANT</u>	<u>ADDRESS</u>
DIRECTOR ENVIRONMENTAL AFFAIRS GEORGIA POWER COMPANY BIN 100221 241 RALPH MCGILL BLVD. ATLANTA, GEORGIA 30308 (404) 506-6505	SOUTHERN COMPANY GENERATION GRAY MCWHORTER BIN 10180 241 RALPH MCGILL BLVD. ATLANTA, GEORGIA 30308 TEL (404) 506-7291	PLANT SCHERRER 10986 GEORGIA 87 JULIETTE, GA 31046

PROPERTY OWNER	CCR LANDFILL PERMIT APPLICATION CONSULTANT
GEORGIA POWER COMPANY 241 RALPH MCGILL BLVD. ATLANTA, GEORGIA 30308	HODGES, HARBIN, NEWBERRY & TRIBBLE, INC. [HINT, INC.] 3920 ARKWRIGHT ROAD, SUITE 101 MACON, GEORGIA 31210 TEL: (478) 743-7175

NOTES:

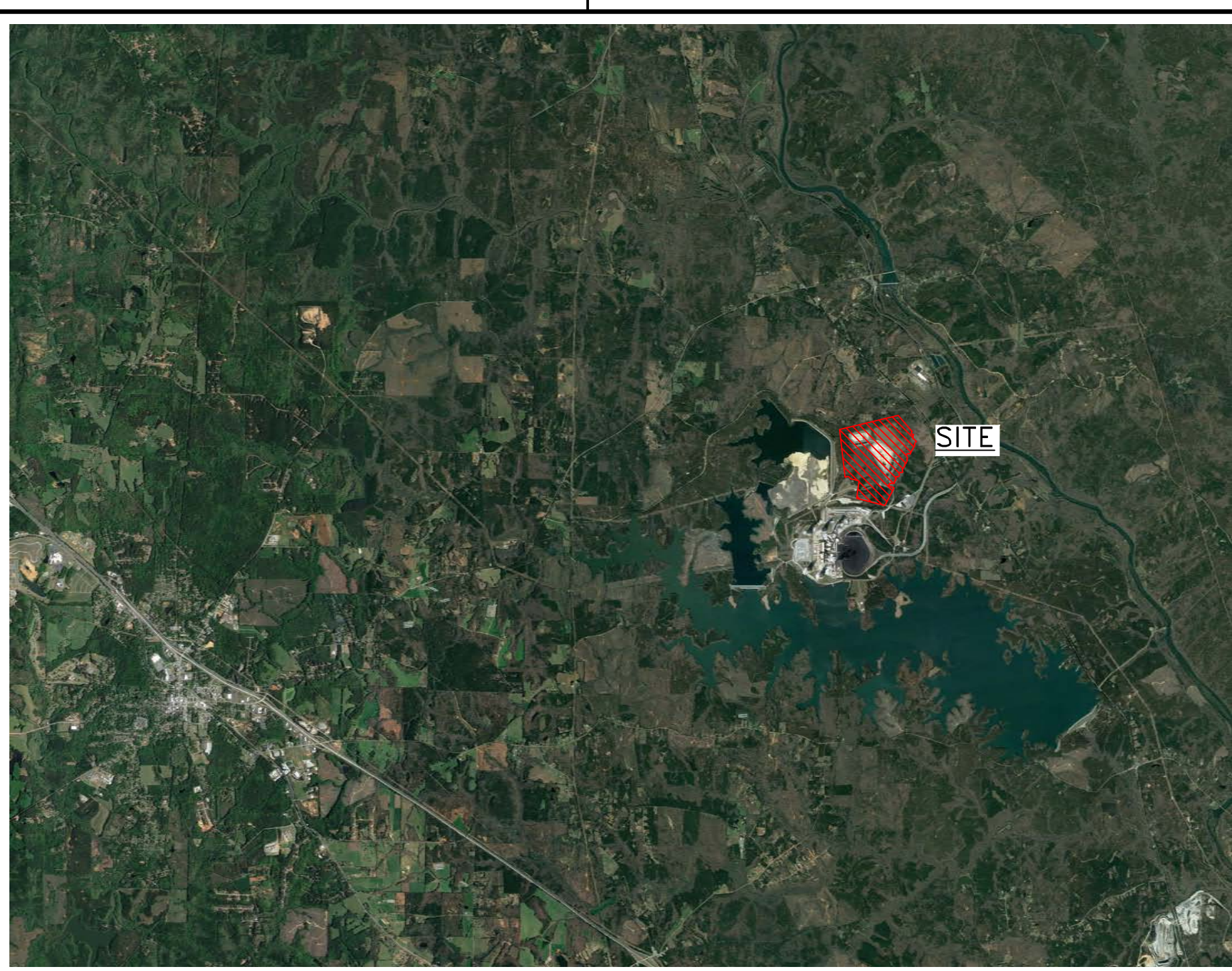
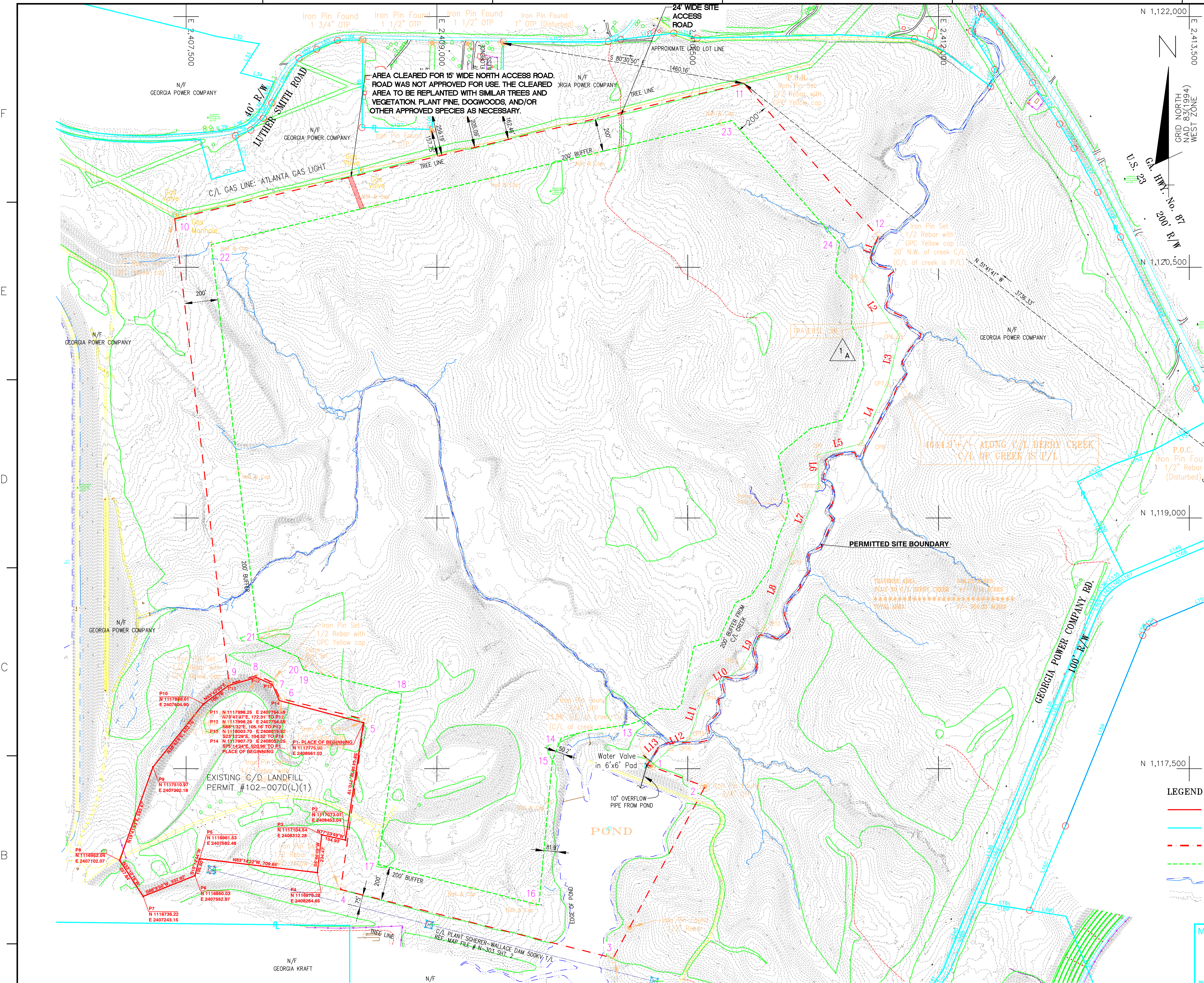
1. COAL COMBUSTION BY-PRODUCTS AND COAL COMBUSTION RESIDUALS SHALL HAVE THE SAME PERMIT REVISION HISTORY AS THE ORIGINAL PERMIT DRAWINGS FOR THE PLANT AND FACILITY. PERMIT REVISIONS TO THE ORIGINAL PERMIT DRAWINGS FOR THE PLANT AND FACILITY WERE PREPARED BY SOUTHERN COMPANY GENERATION ENGINEERING AND CONSTRUCTION SERVICES (SGCECS). THESE PERMIT DRAWINGS WERE APPROVED BY GEORGIA EPC THROUGH PERMIT MODIFICATIONS, HOGGES, AND SOUTHERN COMPANY AND TRIBUNE ENERGY HAS ASSIGNED GEORGIA POWER COMPANY IN PREPARATION OF THE CCR LANDFILL PERMIT AS REQUIRED BY THE NEW SOLID WASTE RULE 391-4-109(a) FOR COAL COMBUSTION RESIDUALS. MINOR PLAN REVISIONS AND UPDATES HAVE BEEN MADE AS PART OF THE NEW CCR LANDFILL PERMIT. THE PERMITTING PROCESS FOR THE NEW CCR LANDFILL PERMIT OF GEORGIA EPC AND AS PART OF THE NEW CCR PERMIT PROCESS, ALL PREVIOUS PLAN REVISION NOTES FOR THE FACILITY'S ORIGINAL SOLID WASTE HANDLING PERMIT HAVE BEEN

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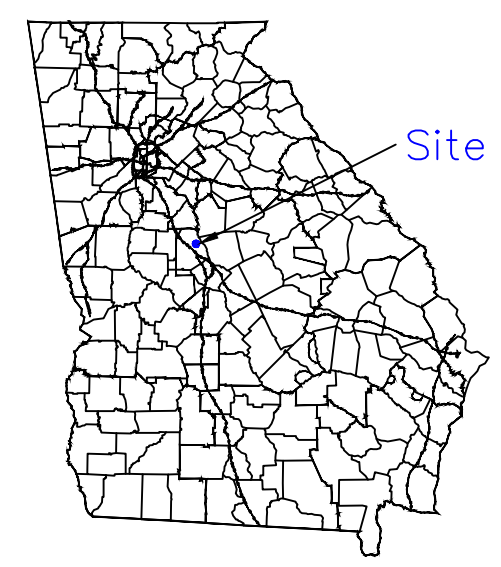








LOCATION MAP  
SCALE AS SHOWN



BOUNDARY		
POINT	NORTHING	EASTING
1	1117515.58	2410279.34
2	1117392.95	2410603.32
3	1116367.02	2410054.20
4	1116777.54	2408424.29
5	1117795.27	2408566.34
6	1117921.00	2408060.73
7	1118016.25	2408018.26
8	1118057.69	2407921.58
9	1118007.17	2407756.86
10	1120789.67	2407431.81
11	1121600.44	2410835.01
12	1120682.85	2411639.28
BUFFER		
13	1117765.62	2410153.37
14	1117683.84	2409743.47
15	1117545.78	2409690.11
16	1116685.16	2409609.92
17	1116928.73	2408647.68
18	1117945.91	2408789.31
19	1118091.55	2408203.67
20	1118169.22	2408169.04
21	1118270.40	2407933.01
22	1120636.27	2407650.89
23	1121377.95	2410764.08
24	1120639.92	2411410.99

TRAVERSE LINE TABLE		
LINE	CH. LENGTH	BEARING
L1	276.98'	S 19°12'46" W
L2	400.27'	S 33°07'59" E
L3	296.78'	S 13°41'15" W
L4	386.48'	S 24°04'29" W
L5	271.53'	S 75°33'31" W
L6	187.40'	S 02°24'02" E
L7	442.19'	S 21°20'03" W
L8	470.76'	S 20°48'37" W
L9	268.12'	S 28°50'58" W
L10	265.75'	S 57°20'01" W
L11	298.46'	S 18°22'12" W
L12	127.57'	S 63°22'36" W
L13	155.07'	S 48°01'14" W



- LEGEND:**
- EXISTING C&D LANDFILL BOUNDARY
  - PROPERTY LINE
  - SITE BOUNDARY
  - BUFFER BOUNDARY
  - STREAM OR CREEK
  - EXISTING CONTOURS

**NOTES:**

- Ninety (90) percent of the elevations determined from the solid line contours of this topographic map have an accuracy with respect to true elevation of one-half (1/2) contour interval or better and the remaining ten (10) percent of such elevations are not in error of more than one contour interval. In densely wooded areas where heavy brush or tree cover fully obscures the ground, the contours are shown as dashed lines. All contours have been processed utilizing digital terrain modeling methods from the stereoscopic model. All spot elevations are measured in places where the ground is visible.
- This map was compiled by Metro Engineering & Surveying Co., Inc. using analytical photogrammetric methods. Contours portrayed as dashed lines should be considered approximate. This map has not been field verified. Prior to use as a basis for design and or construction, it should be field verified.
- The survey plot of the site boundary indicates buffer limits resulting from tangent intersections corresponding to 200 ft. offsets along Berry Creek. These intersections, flagged/marked during the ground survey, resulted in a buffer greater than 200 ft. at these intersection points. The actual buffer limits indicated on the topo maps and site design drawings uses curved connections centered along Berry Creek that correspond to the minimum 200 ft. buffer requirement. The buffer limits corresponding to these curved connections will be resurveyed prior to construction.



GRAPHIC SCALE  
( IN FEET )  
1 inch = 250 ft.

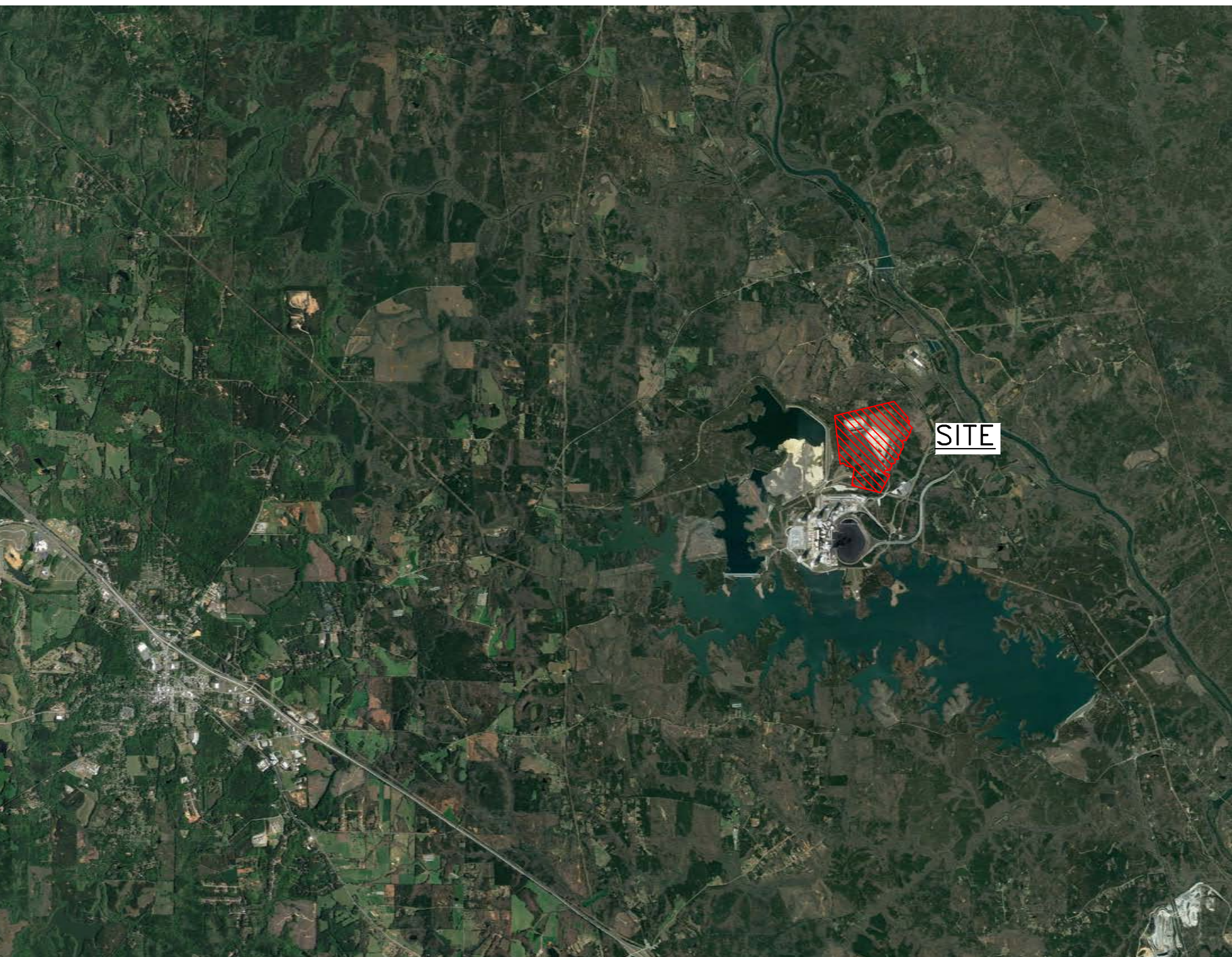
REGISTERED PROFESSIONAL ENGINEER  
NO. 27185  
E. GRANT LANE  
10/25/22

REGISTERED PROFESSIONAL ENGINEER  
NO. 12887  
CHIEF R. MCWORTHY

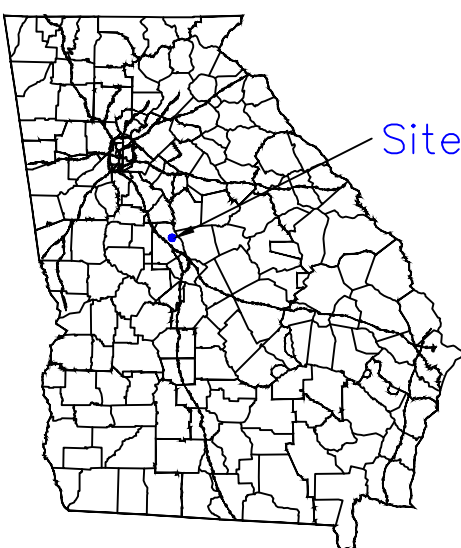
REVISION	DATE	REVISION	DATE	REVISION	DATE	REVISION	DATE
BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR	

Southern Company Services, Inc. Copyright © Southern Company Services, Inc. All Rights Reserved		Southern Company Generation Engineering and Construction Services FOR Georgia Power Company	
REVISION 0		DATE 10-24-2022	
CCR LANDFILL PERMIT APPLICATION [BY HHNT, INC.]		PLANT SCHERER COAL COMBUSTION BY-PRODUCT DISPOSAL FACILITY SITE TOPOGRAPHIC SURVEY	
BY	CHK'D	CIVIL APPR	ELECT APPR
ANR	RBL		
SCALE 1" = 250'		PROJ. ID. 010505	
DRAWING NUMBER H1C11002		SHEET 1	
ANSI F: 40x28		Acad2008	
















LOCATION MAP  
SCALE AS SHOWN



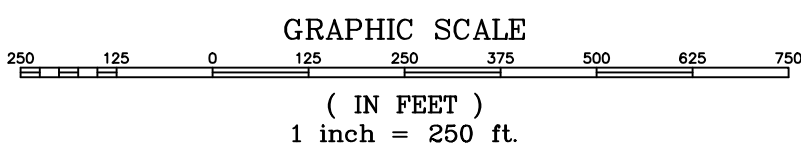
MONROE COUNTY  
GEORGIA

- LEGEND:**
-  EXISTING C&D LANDFILL BOUNDARY
  -  PROPERTY LINE
  -  SITE BOUNDARY
  -  BUFFER BOUNDARY
  -  25' WETLAND & STREAM BUFFER
  -  LIMITS OF WASTE
  -  STREAM OR CREEK
  -  EXISTING CONTOURS
  -  WETLAND
  -  100 YEAR FLOOD ZONE
  -  PIEZOMETER LOCATION



### NOTE

1. UPDATED WETLAND AND STREAM INFORMATION FOR PROPOSED CELL 3 IS PROVIDED IN CELL 3 DESIGN PLANS, SHEETS H1C1056-H1C1060, PREPARED BY HODGES, HARBIN, NEWBERRY & TRIBBLE, INC. DATED JUNE 11, 2018.



**Metro Engineering & Surveying Co., Inc.**  
Engineers • Surveyors • Photogrammetrist  
Clayton / Tara Airport  
186 Selfridge Road • Hampton, GA 30228  
Phone: 770-707-0777  
Fax: 770-707-0755  
[www.metro-engineering.com](http://www.metro-engineering.com)

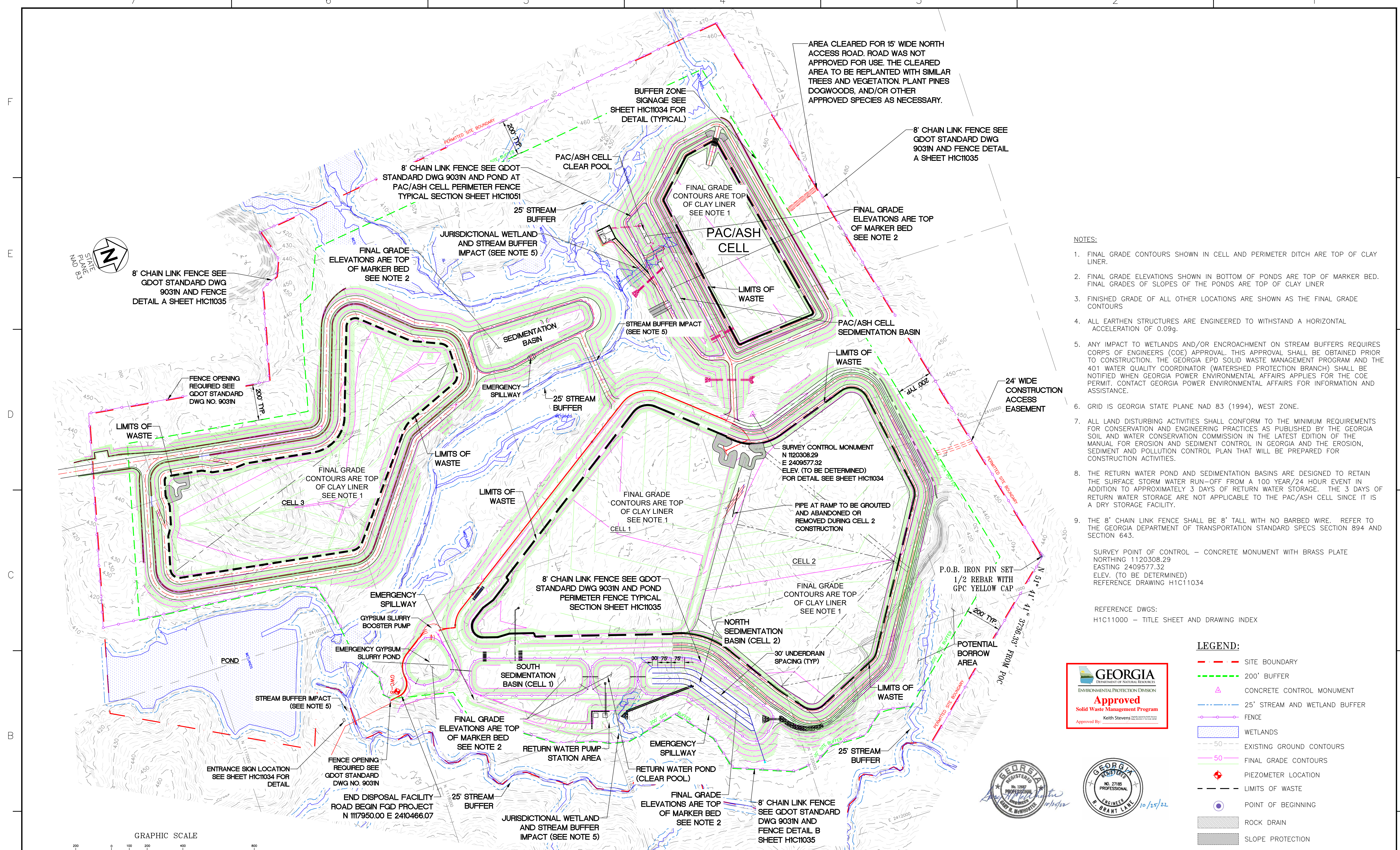


10/25/22

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Southern Company Services, Inc. Copyright© Southern Company Services, Inc. All Rights Reserved							Southern Company Generation Engineering and Construction Services FOR						
REVISION 0			DATE 10-24-2022				Georgia Power Company						
CCR LANDFILL PERMIT APPLICATION [BY HHNT, INC.]							PLANT SCHERER COAL COMBUSTION RESIDUALS (CCR) LANDFILL WETLAND BOUNDARIES, 100' FLOOD PLAIN STREAM BUFFERS AND BORING LOCATIONS						
BY	CHKD	CIVL APPR	ELECT APPR	1/C APPR	MECH APPR	DISC MGR	SCALE	PROJ ID	DRAWING NUMBER		SHEET	CONTD	REV
AMC		RBL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1" = 250'	010505	H1C11003		1	FINAL	0





- NOTES:**
- FINAL GRADE CONTOURS SHOWN IN CELL AND PERIMETER DITCH ARE TOP OF CLAY LINER.
  - FINAL GRADE ELEVATIONS SHOWN IN BOTTOM OF PONDS ARE TOP OF MARKER BED. FINAL GRADES OF SLOPES OF THE PONDS ARE TOP OF CLAY LINER
  - FINISHED GRADE OF ALL OTHER LOCATIONS ARE SHOWN AS THE FINAL GRADE CONTOURS
  - ALL EARTHEN STRUCTURES ARE ENGINEERED TO WITHSTAND A HORIZONTAL ACCELERATION OF 0.09g.
  - ANY IMPACT TO WETLANDS AND/OR ENCROACHMENT ON STREAM BUFFERS REQUIRES CORPS OF ENGINEERS (COE) APPROVAL. THIS APPROVAL SHALL BE OBTAINED PRIOR TO CONSTRUCTION. THE GEORGIA EPD SOLID WASTE MANAGEMENT PROGRAM AND THE 401 WATER QUALITY COORDINATOR (WATERSHED PROTECTION BRANCH) SHALL BE NOTIFIED WHEN GEORGIA POWER ENVIRONMENTAL AFFAIRS APPLIES FOR THE COE PERMIT. CONTACT GEORGIA POWER ENVIRONMENTAL AFFAIRS FOR INFORMATION AND ASSISTANCE.
  - GRID IS GEORGIA STATE PLANE NAD 83 (1994), WEST ZONE.
  - ALL LAND DISTURBING ACTIVITIES SHALL CONFORM TO THE MINIMUM REQUIREMENTS FOR CONSERVATION AND ENGINEERING PRACTICES AS PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION IN THE LATEST EDITION OF THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA AND THE EROSION, SEDIMENT AND POLLUTION CONTROL PLAN THAT WILL BE PREPARED FOR CONSTRUCTION ACTIVITIES.
  - THE RETURN WATER POND AND SEDIMENTATION BASINS ARE DESIGNED TO RETAIN THE SURFACE STORM WATER RUN-OFF FROM A 100 YEAR/24 HOUR EVENT IN ADDITION TO APPROXIMATELY 3 DAYS OF RETURN WATER STORAGE. THE 3 DAYS OF RETURN WATER STORAGE ARE NOT APPLICABLE TO THE PAC/ASH CELL SINCE IT IS A DRY STORAGE FACILITY.
  - THE 8' CHAIN LINK FENCE SHALL BE 8' TALL WITH NO BARBED WIRE. REFER TO THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECS SECTION 894 AND SECTION 643.

SURVEY POINT OF CONTROL - CONCRETE MONUMENT WITH BRASS PLATE  
NORTHING 1120308.29  
EASTING 2409577.32  
ELEV. (TO BE DETERMINED)  
REFERENCE DRAWING H1C11034

REFERENCE DWGS:  
H1C11000 - TITLE SHEET AND DRAWING INDEX

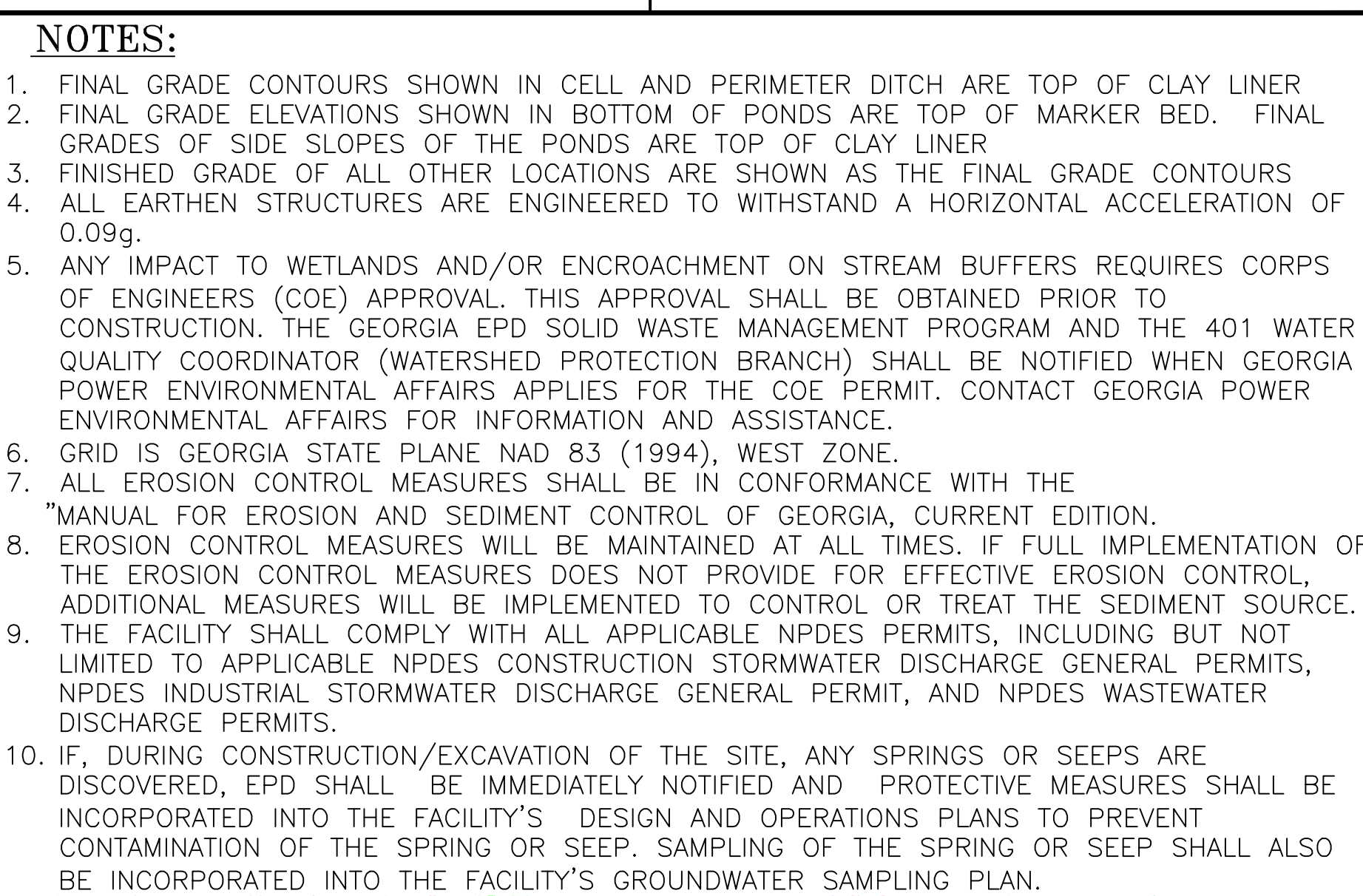
- LEGEND:**
- SITE BOUNDARY
  - 200' BUFFER
  - △ CONCRETE CONTROL MONUMENT
  - 25' STREAM AND WETLAND BUFFER
  - FENCE
  - WETLANDS
  - 50' EXISTING GROUND CONTOURS
  - 50' FINAL GRADE CONTOURS
  - ♦ PIEZOMETER LOCATION
  - LIMITS OF WASTE
  - POINT OF BEGINNING
  - ROCK DRAIN
  - SLOPE PROTECTION















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Station	Northing	Easting	Elevation	Length	Grade
0+00.00 (=39+91.95 FROM CELL 1)	119476.900	241068.355	424.873'	34.457'	1.0%
0+34.46	119509.967	241069.042	425.220'	99.255'	0.9%
1+33.71	119599.725	241073.554	426.180'	130.180'	1.1%
2+63.89	119692.091	2410830.125	424.761'	18.079'	1.13%
2+81.97	119701.907	2410845.307	424.500'	346.082'	2.9%
6+28.05	1199881.885	2411140.909	414.480'	19.636'	0.0%
6+47.69	1199893.514	2411156.731	414.480'	19.636'	

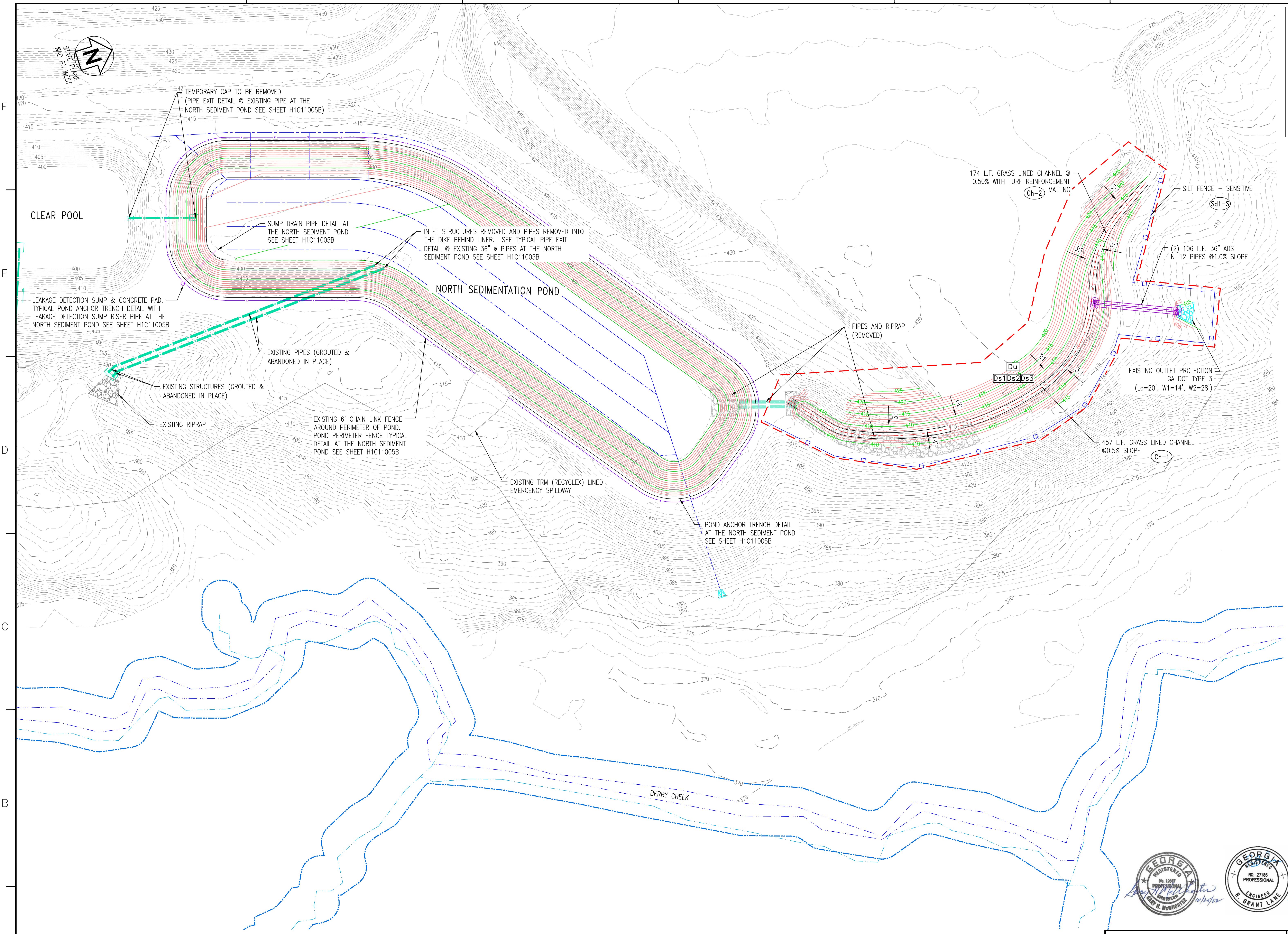


 SITE BOUNDARY  
 200' BUFFER  
 25' STREAM AND WETLAND BUFFER  
 FENCE  
 WETLANDS  
 -50- EXISTING GROUND CONTOURS  
 50 FINAL GRADE CONTOURS  
 ROCK DRAIN  
 SLOPE PROTECTION

Sd1	SILT FENCE (SEE H1C11033)	
Dj	DIVERSION (SEE H1C11033)	
Ly	LEVEL SPREADER (SEE H1C11033)	
Du	DUST CONTROL	
Cd-s	STONE CHECK DAM (2"-10" STONE)	
Sd3	TEMPORARY SEDIMENT BASIN	

H1C11000	TITLE	SHEET	AND DRAWING INDEX
H1C11014	CELL NO.1	THROUGH	CELL NO. 3 MISCELLANEOUS
H1C11015	CELL NO.1	THROUGH	CELL NO. 3 MISCELLANEOUS
H1C11016	CELL NO.1	THROUGH	CELL NO. 3 MISCELLANEOUS
H1C11017	CELL NO.1	THROUGH	CELL NO. 3 MISCELLANEOUS
H1C11018	CELL NO.1	THROUGH	CELL NO. 3 MISCELLANEOUS
H1C11019	CELL NO.1	THROUGH	CELL NO. 3 MISCELLANEOUS
H1C11021	CELL NO.1	THROUGH	CELL NO. 3 MISCELLANEOUS
H1C11035	CELL NO.1	THROUGH	CELL NO. 3 MISCELLANEOUS





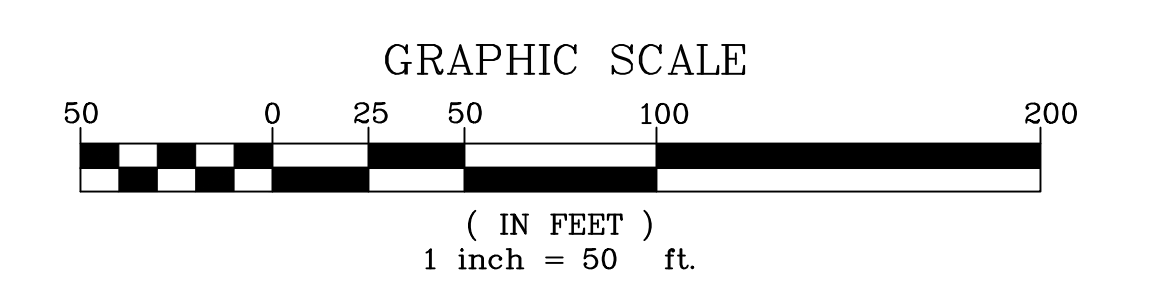
**LEGEND:**

- LIMITS OF DISTURBANCE
- - - EXISTING GROUND CONTOURS
- - - EDGE OF WATER
- - - WATER BUFFER
- - - EXISTING FENCE
- - - EXISTING PIPE
- - - 700
- - - FINAL GRADE CONTOURS
- - - PROPOSED DITCH &
- - - PROPOSED PIPE

**EROSION CONTROL LEGEND:**

- Ds1** DIST. AREA WITH MULCH
- Ds2** DIST. AREA WITH TEMPORARY COVER
- Ds3** DIST. AREA WITH PERMANENT COVER
- Du** DUST CONTROL
- Sd1-S** SILT FENCE - SENSITIVE (SEE H1C11033)
- Ch-1** CHANNEL STABILIZATION - VEGETATION
- Ch-2** CHANNEL STABILIZATION - TRM

- NOTES:**
1. THIS SHEET REPRESENTS FINAL POND GRADES AND GRADING MODIFICATIONS NECESSARY TO COMPLETE THE DOUBLE LINER SYSTEM FOR THE NORTH SEDIMENTATION POND.
  2. THE EXISTING SITE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY METRO ENGINEERING & SURVEYING CO., INC., 1469 HWY 20 WEST, MCDONOUGH, GA 30253, PROJECT NO. 12967, DATE OF CAPTURE: 10-06-2010.
  3. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE EROSION CONTROL MEASURES DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL MEASURES WILL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
  4. THE FACILITY SHALL COMPLY WITH ALL APPLICABLE NPDES PERMITS, INCLUDING BUT NOT LIMITED TO APPLICABLE NPDES CONSTRUCTION STORMWATER DISCHARGE GENERAL PERMITS, NPDES INDUSTRIAL STORMWATER DISCHARGE GENERAL PERMIT, AND NPDES WASTEWATER DISCHARGE PERMITS.







**Approved**

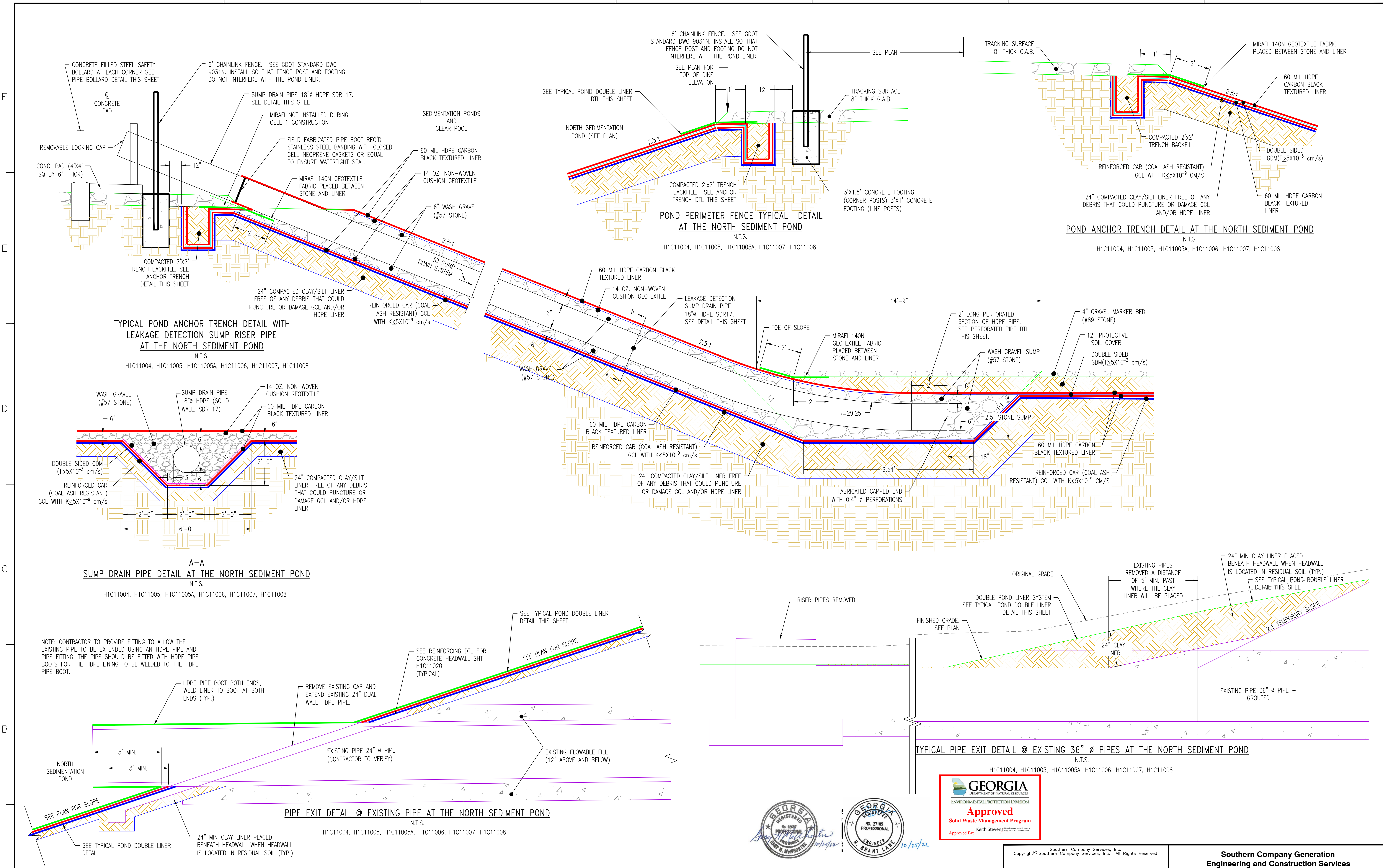
**Solid Waste Management Program**



Approved By: Keith Stevens

10/25/22

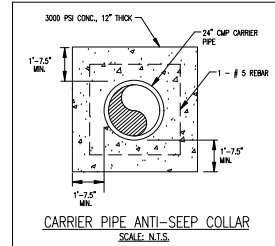
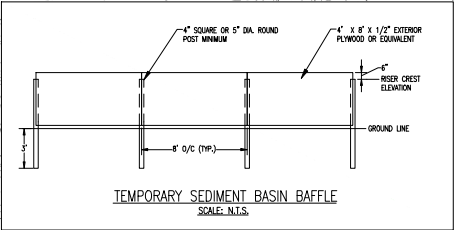
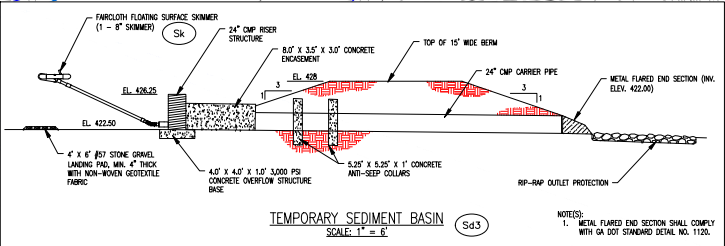
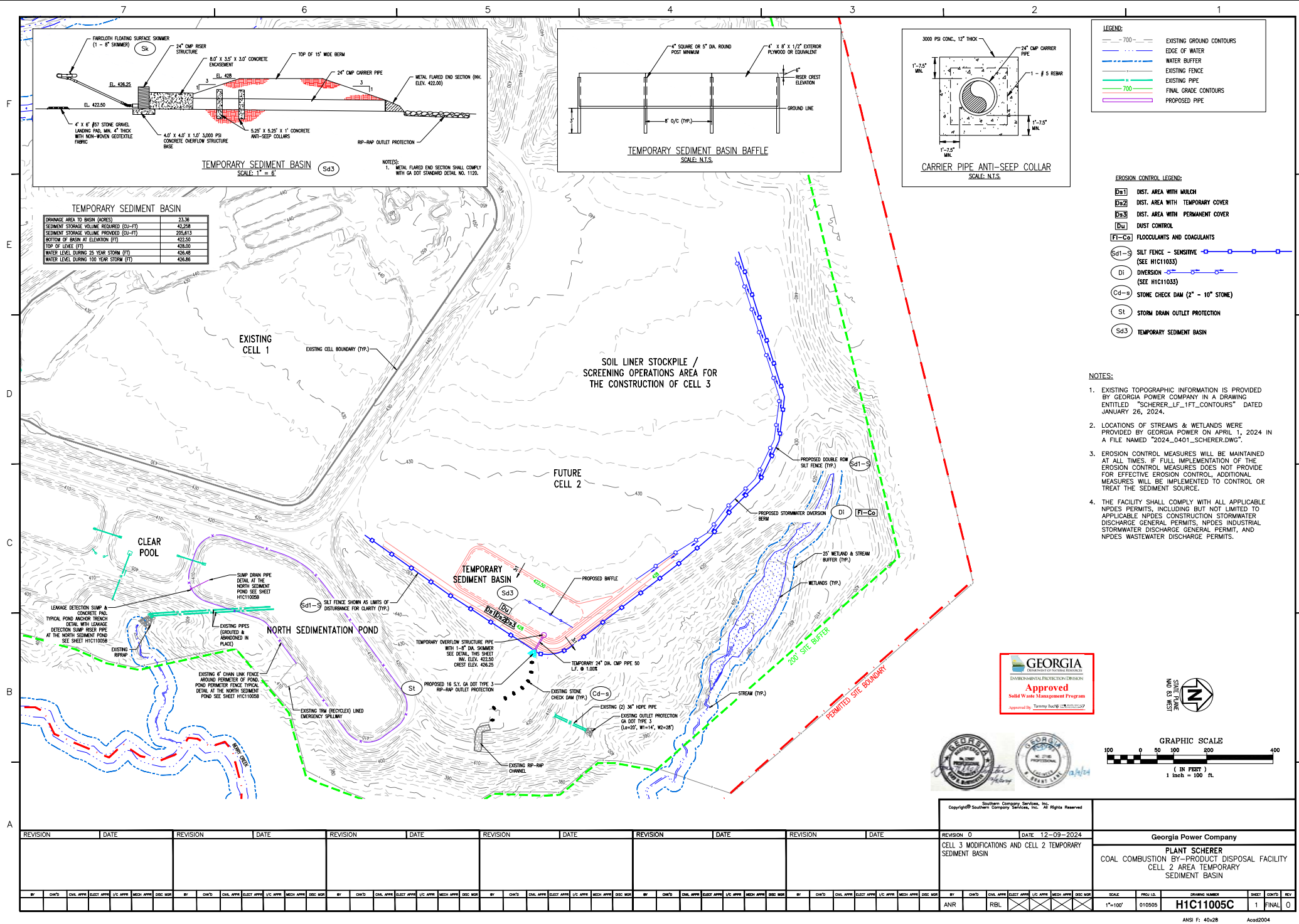
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<div>SEE TYPICAL POND DOUBLE LINER DETAIL</div> <div>BENEATH HEADWALL WHEN HEADWALL IS LOCATED IN RESIDUAL SOIL (TYP.)</div>																		<div><div>10/15/22</div><div>10/15/22</div></div>																		<div>Southern Company Services, Inc. Copyright© Southern Company Services, Inc. All Rights Reserved</div>										<div>Southern Company Generation Engineering and Construction Services FOR</div>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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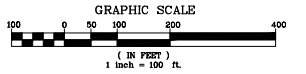


TEMPORARY SEDIMENT BASIN	
ORANGE AREA TO BASIN (ACRES)	23.36
SEDIMENT STORAGE VOLUME REQUIRED (CU-YD)	42,258
SEDIMENT STORAGE VOLUME PROVIDED (CU-YD)	205,613
BOTTOM OF BASIN AT ELEVATION (FT)	422.50
TOP OF LEVEE (FT)	426.00
WATER LEVEL DURING 25 YEAR STORM (FT)	426.40
WATER LEVEL DURING 100 YEAR STORM (FT)	426.80

LEGEND:	
	EXISTING GROUND CONTOURS
	EDGE OF WATER
	WATER BUFFER
	EXISTING FENCE
	EXISTING PIPE
	FINAL GRADE CONTOURS
	PROPOSED PIPE

EROSION CONTROL LEGEND:	
	DIST. AREA WITH MULCH
	DIST. AREA WITH TEMPORARY COVER
	DIST. AREA WITH PERMANENT COVER
	DUST CONTROL
	FLOCCULANTS AND COAGULANTS
	SILT FENCE - SENSITIVE
	DIVERSION
	STONE CHECK DAM
	STORM DRAIN OUTLET PROTECTION
	TEMPORARY SEDIMENT BASIN

- NOTES:
- EXISTING TOPOGRAPHIC INFORMATION IS PROVIDED BY GEORGIA POWER COMPANY IN A DRAWING ENTITLED "SCHERER\_LF\_1FT\_CONTOURS" DATED JANUARY 26, 2024.
  - LOCATIONS OF STREAMS & WETLANDS WERE PROVIDED BY GEORGIA POWER ON APRIL 1, 2024 IN A FILE NAMED "2024\_0401\_SCHERER.DWG".
  - EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE EROSION CONTROL MEASURES DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL MEASURES WILL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
  - THE FACILITY SHALL COMPLY WITH ALL APPLICABLE NPDES PERMITS, INCLUDING BUT NOT LIMITED TO APPLICABLE NPDES CONSTRUCTION STORMWATER DISCHARGE GENERAL PERMITS, NPDES INDUSTRIAL STORMWATER DISCHARGE GENERAL PERMIT, AND NPDES WASTEWATER DISCHARGE PERMITS.

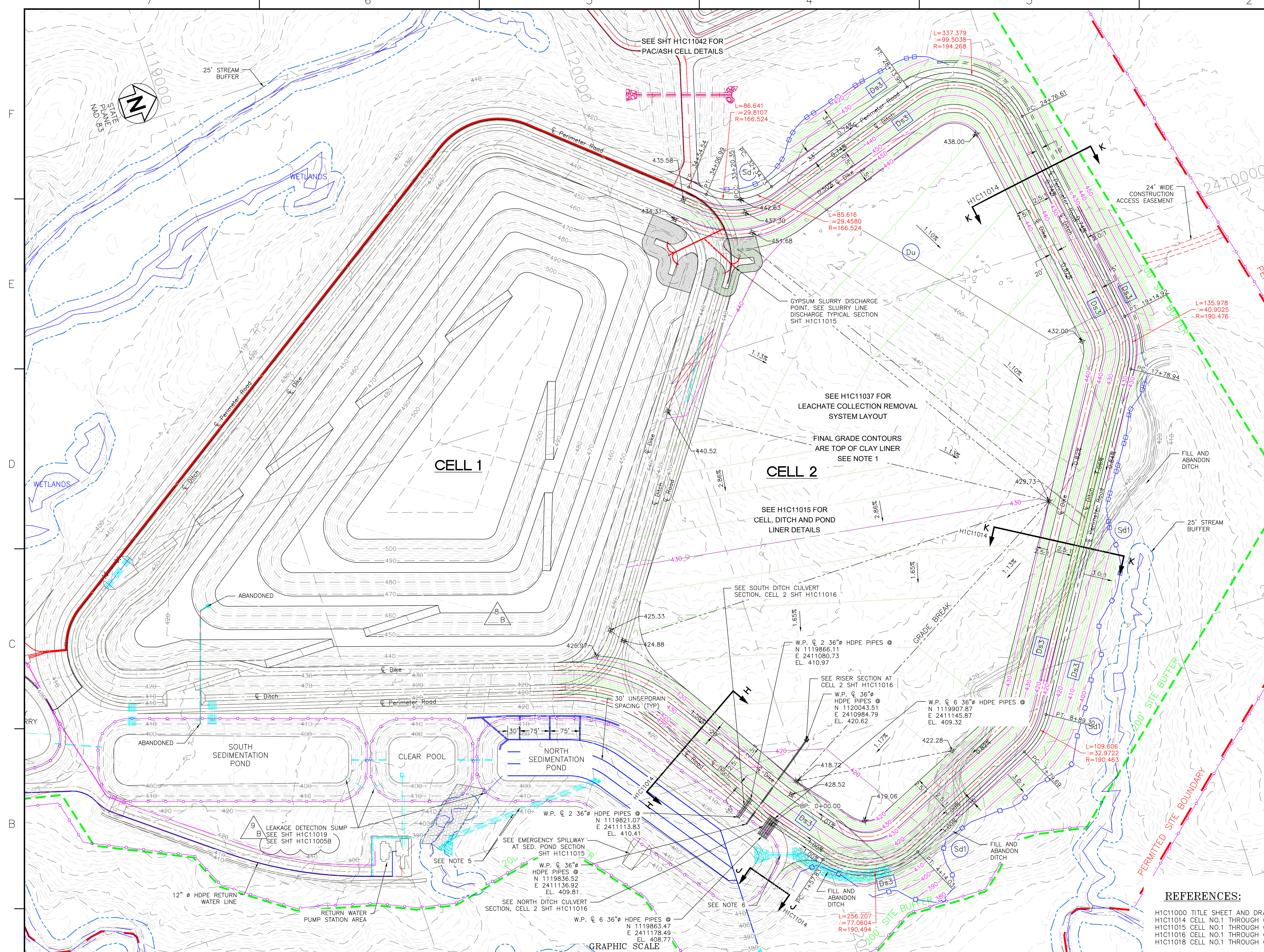


REVISION	DATE	REVISION	DATE	REVISION	DATE	REVISION	DATE	REVISION	DATE	REVISION	DATE	REVISION	DATE	REVISION	DATE
												REVISION 0			
												DATE 12-09-2024			
												CELL 3 MODIFICATIONS AND CELL 2 TEMPORARY SEDIMENT BASIN			
												Georgla Power Company			
												PLANT SCHERER			
												COAL COMBUSTION BY-PRODUCT DISPOSAL FACILITY			
												CELL 2 AREA TEMPORARY SEDIMENT BASIN			
BY	CHKD	APPV	ELCT	APPV	LC	APPV	MECH	APPV	DEC	MAJ	BY	CHKD	APPV	ELCT	APPV
ANR											ANR				
												SCALE 1"=100'			
												SHEET 01/0505			
												H1C11005C			
												1 FINAL 0			









CELL 2 @ PERIMETER ROAD STATIONING					
Station	Northing	Easting	Elevation	Length	Grade
0+00.00	1119893.586	2411156.830	414.480'	34.601'	1.00%
1+57.83	1119990.828	2411281.142	416.057'	256.207'	1.03%
4+14.03	1120221.700	2411336.123	418.690'	153.776'	1.00%
7+79.69	1120552.724	2411180.787	422.345'	109.606'	0.82%
8+89.30	1120633.481	2411108.927	423.244'	417.237'	0.84%
17+78.94	1121102.896	2410353.207	430.700'	135.978'	0.71%
19+14.92	1121129.105	2410222.704	431.671'	561.690'	0.74%
24+76.61	1121040.148	2409668.104	435.811'	337.379'	0.90%
28+13.99	1120789.624	2409509.420	438.845'	420.747'	0.74%
32+34.73	1120390.167	2409641.566	441.958'	85.616'	0.79%
33+20.35	1120305.659	2409646.903	442.633'	65.841'	-1.34%
34+06.99	1120228.677	2409609.319	441.467'	47.544'	-1.18%
34+54.54	1120192.726	2409578.207	440.907'	(END)	

- NOTES:
1. FINAL GRADE CONTOURS SHOWN IN CELL AND PERIMETER DITCH ARE TOP OF CLAY LINER
  2. FINAL GRADE ELEVATIONS SHOWN IN BOTTOM OF PONDS ARE TOP OF MARKER BED. FINAL GRADES OF SIDE SLOPES OF THE PONDS ARE TOP OF CLAY LINER
  3. FINISHED GRADE OF ALL OTHER LOCATIONS ARE SHOWN AS THE FINAL GRADE CONTOURS
  4. ALL EARTHEN STRUCTURES ARE ENGINEERED TO WITHSTAND A HORIZONTAL ACCELERATION OF 0.09g.
  5. ANY IMPACT TO WETLANDS AND/OR ENCROACHMENT ON STREAM BUFFERS REQUIRES CORPS OF ENGINEERS (COE) APPROVAL. THIS APPROVAL SHALL BE OBTAINED PRIOR TO CONSTRUCTION. THE GEORGIA EPD SOLID WASTE MANAGEMENT PROGRAM AND THE 401 WATER QUALITY COORDINATOR (WATERSHED PROTECTION BRANCH) SHALL BE NOTIFIED WHEN GEORGIA POWER ENVIRONMENTAL AFFAIRS APPLIES FOR THE COE PERMIT. CONTACT GEORGIA POWER ENVIRONMENTAL AFFAIRS FOR INFORMATION AND ASSISTANCE.
  6. GRID IS GEORGIA STATE PLANE NAD 83 (1994), WEST ZONE.
  7. ALL EROSION CONTROL MEASURES SHALL BE IN CONFORMANCE WITH THE "MANUAL FOR EROSION AND SEDIMENT CONTROL OF GEORGIA, CURRENT EDITION.
  8. RISER REMOVED UPON CONVERSION OF TEMPORARY SEDIMENT POND TO PROCESS POND AND OUTLET PIPE PLUGGED AND ABANDONED.
  9. TEMPORARY DITCH CULVERT REMOVED UPON CONVERSION OF TEMPORARY SEDIMENT POND TO PROCESS POND AND OUTLET PIPE PLUGGED AND ABANDONED.
  10. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE EROSION CONTROL MEASURES DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL MEASURES WILL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
  11. THE FACILITY SHALL COMPLY WITH ALL APPLICABLE NPDES PERMITS, INCLUDING BUT NOT LIMITED TO APPLICABLE NPDES CONSTRUCTION STORMWATER DISCHARGE GENERAL PERMITS, NPDES INDUSTRIAL STORMWATER DISCHARGE GENERAL PERMIT, AND NPDES WASTEWATER DISCHARGE PERMITS.
  12. IF, DURING CONSTRUCTION/EXCAVATION OF THE SITE, ANY SPRINGS OR SEEPS ARE DISCOVERED, EPD SHALL BE IMMEDIATELY NOTIFIED AND PROTECTIVE MEASURES SHALL BE INCORPORATED INTO THE FACILITY'S DESIGN AND OPERATIONS PLANS TO PREVENT CONTAMINATION OF THE SPRING OR SEEP. SAMPLING OF THE SPRING OR SEEP SHALL ALSO BE INCORPORATED INTO THE FACILITY'S GROUNDWATER SAMPLING PLAN.

- LEGEND:
- SITE BOUNDARY
  - 200' BUFFER
  - 25' STREAM BUFFER
  - FENCE
  - WETLANDS
  - 50' EXISTING GROUND CONTOURS
  - 50' FINAL GRADE CONTOURS
  - ROCK DRAIN
  - SLOPE PROTECTION

- EROSION CONTROL LEGEND
- Sd1 SILT FENCE (SEE H1C11033)
  - Du DUST CONTROL
  - Ds3 DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION. SEE ESPCP PLANS SHT H1C11109 FOR SCHEDULE)

REFERENCES:

H1C11000 TITLE SHEET AND DRAWING INDEX  
H1C11014 CELL NO.1 THROUGH CELL NO. 3 MISCELLANEOUS SECTIONS  
H1C11015 CELL NO.1 THROUGH CELL NO. 3 MISCELLANEOUS SECTIONS  
H1C11016 CELL NO.1 THROUGH CELL NO. 3 MISCELLANEOUS SECTIONS  
H1C11018 CELL NO.1 THROUGH CELL NO. 3 MISCELLANEOUS SECTIONS

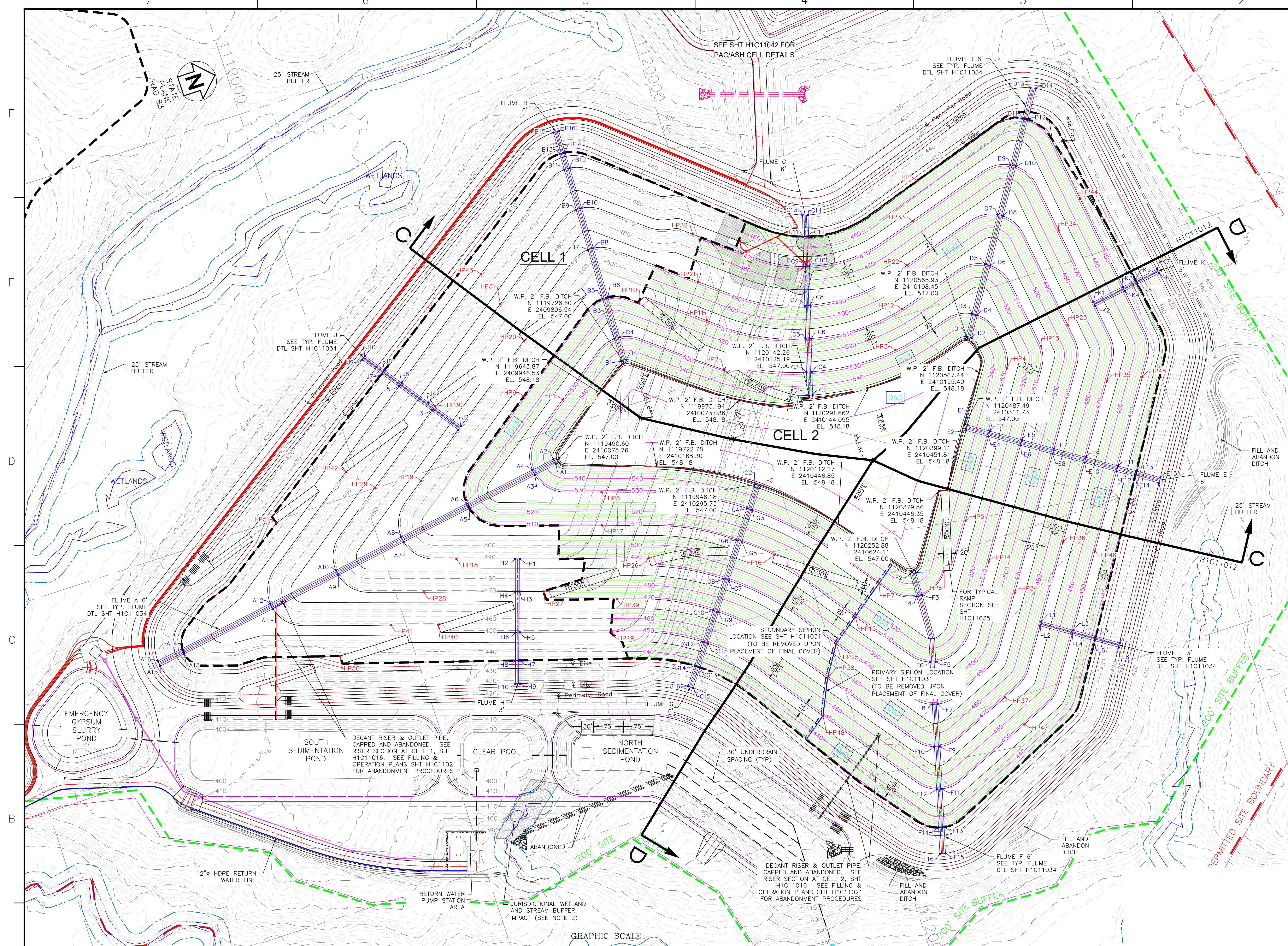
**GEORGIA**  
DEPARTMENT OF NATURAL RESOURCES  
ENVIRONMENTAL PROTECTION DIVISION

**Approved**  
Solid Waste Management Program  
Approved By: Keith Stevens

10/25/22

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- CLOSURE AREA NOTES:**
- CELL 1 CLOSURE AREA = 16.7 ACRES  
CELL 2 CLOSURE AREA = 43.1 ACRES  
CELL 3 CLOSURE AREA = 25.7 ACRES
- NOTES:**
- ALL EARTHEN STRUCTURES ARE ENGINEERED TO WITHSTAND A HORIZONTAL ACCELERATION OF 0.09g.
  - ANY IMPACT TO WETLANDS AND/OR ENCROACHMENT ON STREAM BUFFERS REQUIRES CORPS OF ENGINEERS (COE) APPROVAL. THIS APPROVAL SHALL BE OBTAINED PRIOR TO CONSTRUCTION. THE GEORGIA EPD SOLID WASTE MANAGEMENT PROGRAM AND THE 401 WATER QUALITY COORDINATOR (WATERSHED PROTECTION BRANCH) SHALL BE NOTIFIED WHEN GEORGIA POWER ENVIRONMENTAL AFFAIRS APPLIES FOR THE COE PERMIT. CONTACT GEORGIA POWER ENVIRONMENTAL AFFAIRS FOR INFORMATION AND ASSISTANCE.
  - GRID IS GEORGIA STATE PLANE NAD 83 (1994), WEST ZONE.
  - ALL EROSION CONTROL MEASURES SHALL BE IN CONFORMANCE WITH THE "MANUAL FOR EROSION & SEDIMENT CONTROL OF GEORGIA," CURRENT EDITION.
  - EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE EROSION CONTROL MEASURES DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL MEASURES WILL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
  - THE FACILITY SHALL COMPLY WITH ALL APPLICABLE NPDES PERMITS, INCLUDING BUT NOT LIMITED TO APPLICABLE NPDES CONSTRUCTION STORMWATER DISCHARGE GENERAL PERMITS, NPDES INDUSTRIAL STORMWATER DISCHARGE GENERAL PERMIT, AND NPDES WASTEWATER DISCHARGE PERMITS.

- LEGEND:**
- SITE BOUNDARY
  - 200' BUFFER
  - FENCE
  - 25' STREAM BUFFER
  - WETLANDS
  - EXISTING GROUND CONTOURS
  - 50 FINAL GRADE CONTOURS
  - CLOSURE AREA
  - ROCK DRAIN
  - SLOPE PROTECTION
- EROSION CONTROL LEGEND:**
- DS3 DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION. SEE ESPCP PLANS SHT H1C1109 FOR SCHEDULE)

**REFERENCES:**

H1C1000 TITLE SHEET AND DRAWING INDEX  
H1C1012 CELL NO. 2 SECTION C-C AND SECTION D-D  
H1C1031 CELL NO.1 THROUGH CELL NO. 3 SIPHON SECTIONS AND DETAILS  
H1C1034 CELL NO.1 THROUGH CELL NO. 3 MISCELLANEOUS SECTIONS AND DETAILS  
H1C1036 FLUME COORDINATION DATA

REVISION		DATE	REVISION		DATE	REVISION		DATE	REVISION		DATE	REVISION		DATE	REVISION		DATE
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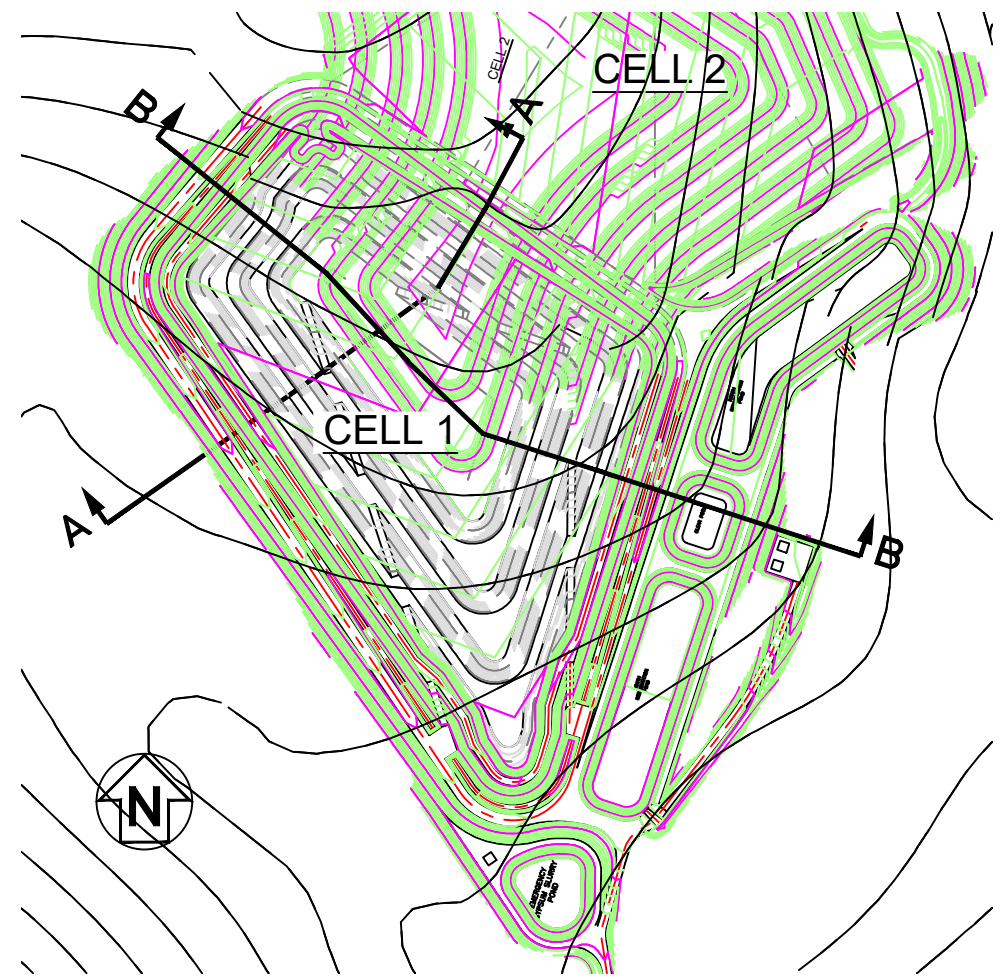
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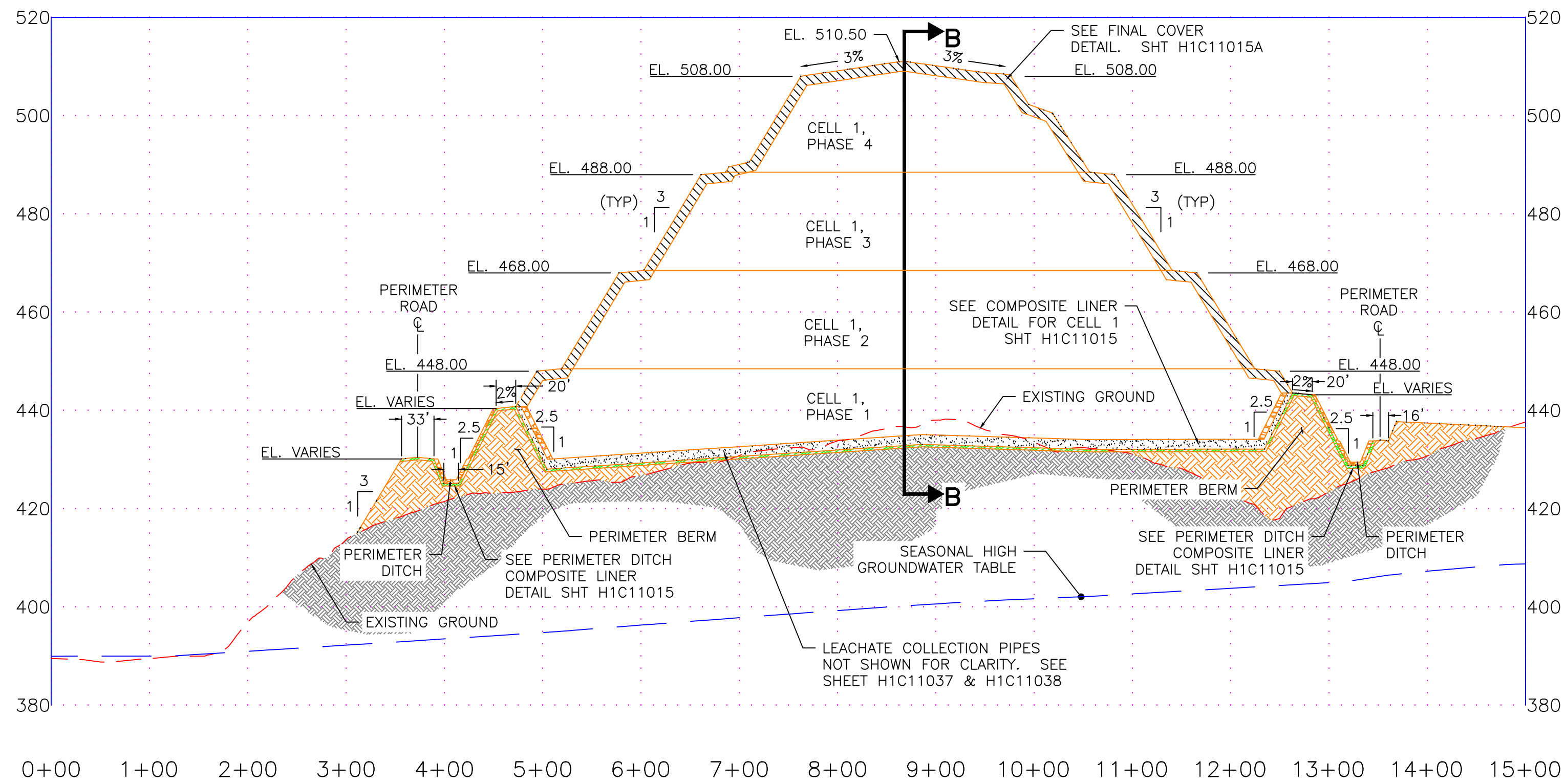
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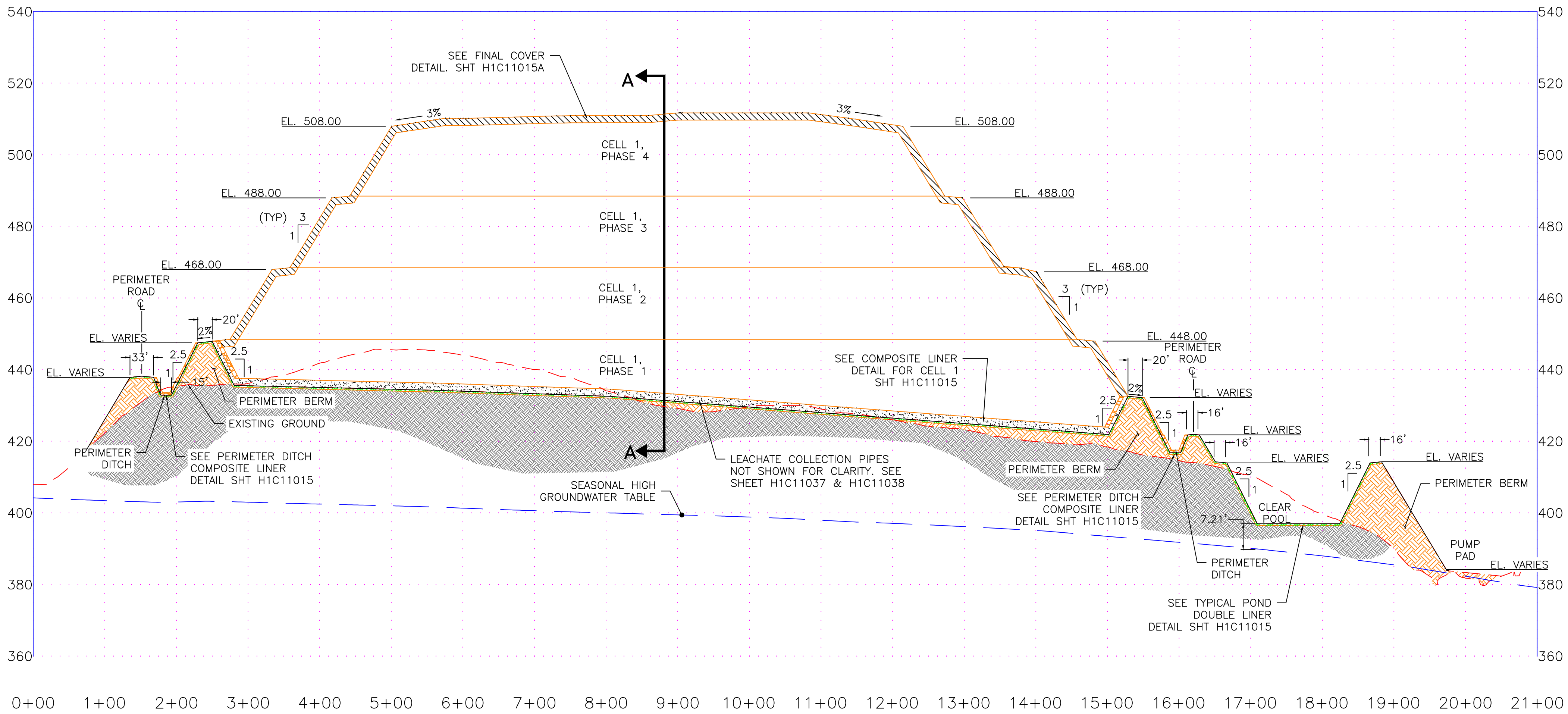
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NOT TO SCALE



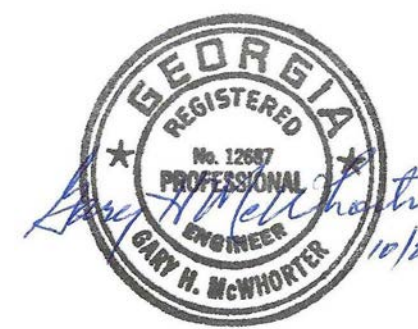
CELL 1  
SECTION A-A  
SCALE H: 1"=100' V: 1"=20'

NOTES:

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2. GRID IS GEORGIA STATE PLANE NAD 83 (1994), WEST ZONE.
3. ALL EROSION CONTROL MEASURES SHALL BE IN CONFORMANCE WITH THE "MANUAL FOR EROSION AND SEDIMENT CONTROL OF GEORGIA, CURRENT EDITION.
4. GRADES SHOWN ON THIS SHEET REFLECT FINAL GRADE OF CELL 1 ONLY. SEE SHEET H1C11012 FOR CELL 2 AND CELL 1 FINAL GRADE.



CELL 1  
SECTION B-B  
SCALE H: 1"=100' V: 1"=20'

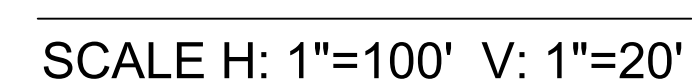
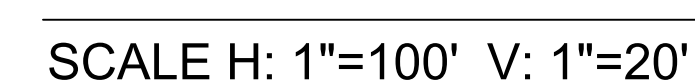


REFERENCES:

- H1C11000 TITLE SHEET AND DRAWING INDEX  
H1C11006 CELL NO. 1 FINAL STACKING PLAN  
H1C11014 CELL NO. 1 AND CELL NO. 2 MISCELLANEOUS SECTIONS  
H1C11015 CELL NO. 1 AND CELL NO. 2 MISCELLANEOUS SECTIONS  
H1C11015A CELL NO. 1 THROUGH CELL NO. 3 MISCELLANEOUS SECTIONS  
H1C11016 CELL NO. 1 AND CELL NO. 2 MISCELLANEOUS SECTIONS  
H1C11017 CELL NO. 1 AND CELL NO. 2 MISCELLANEOUS SECTIONS

REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE		REVISION		DATE	
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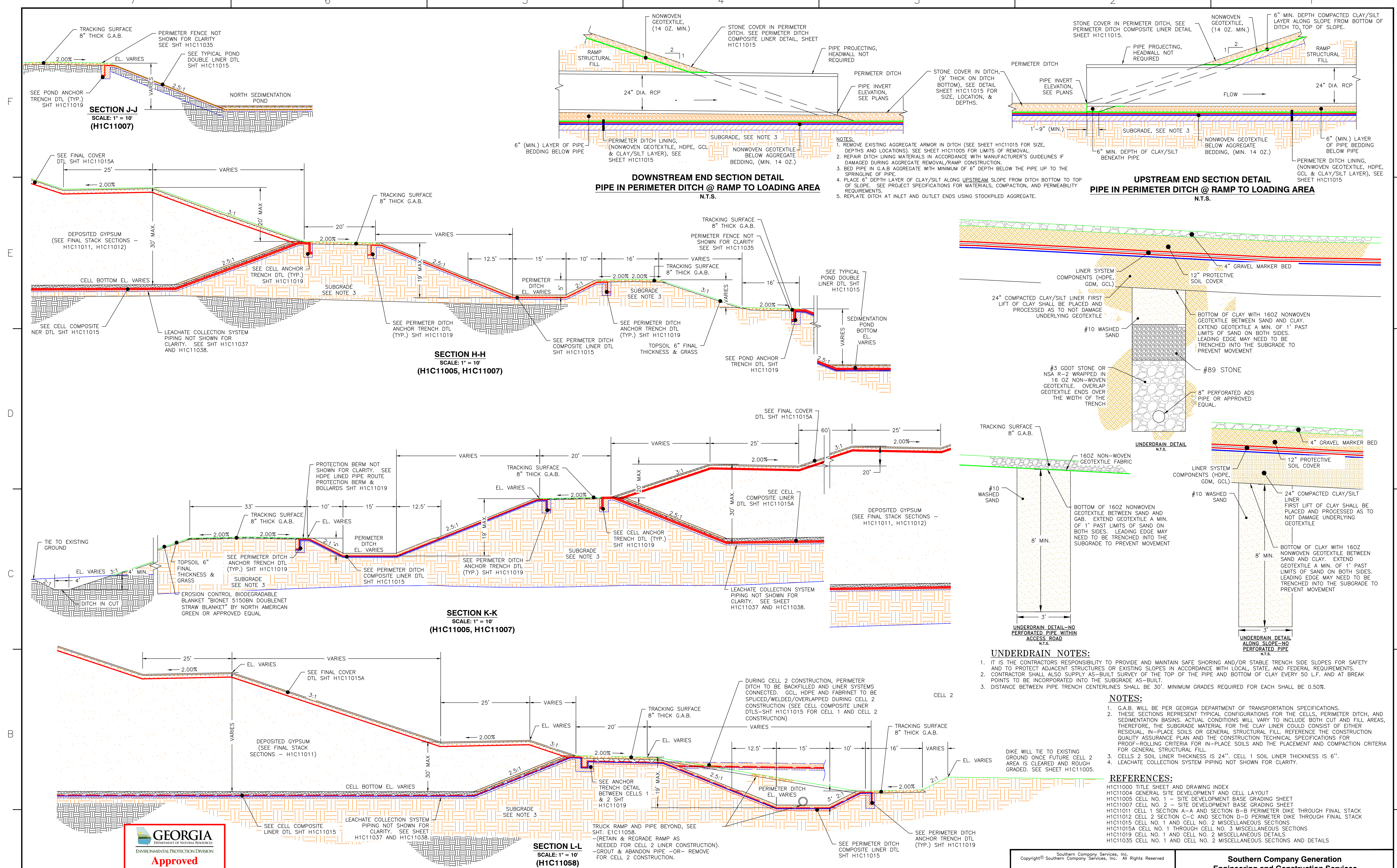




- | H1C11000  | TITLE SHEET AND DRAWING INDEX                        |
|-----------|--|
| H1C11008  | CELL NO. 1 AND CELL NO. 2 FINAL STACKING PLAN        |
| H1C11014  | CELL NO. 1 AND CELL NO. 2 MISCELLANEOUS SECTIONS     |
| H1C11015  | CELL NO. 1 AND CELL NO. 2 MISCELLANEOUS SECTIONS     |
| H1C11015A | CELL NO. 1 THROUGH CELL NO. 3 MISCELLANEOUS SECTIONS |
| H1C11016  | CELL NO. 1 AND CELL NO. 2 MISCELLANEOUS SECTIONS     |
| H1C11017  | CELL NO. 1 AND CELL NO. 2 MISCELLANEOUS SECTIONS     |

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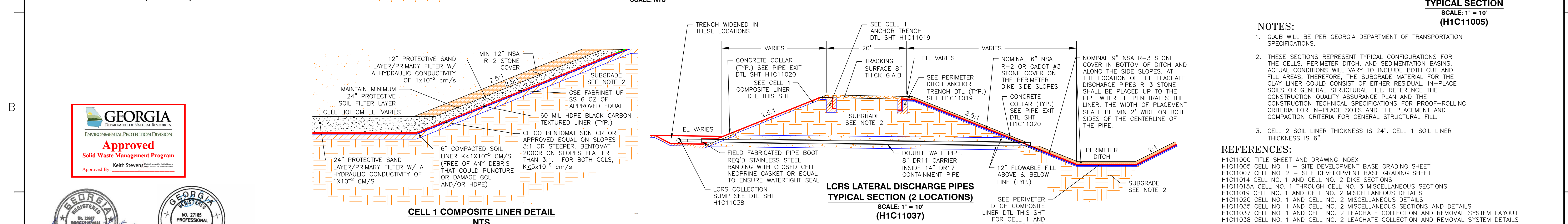
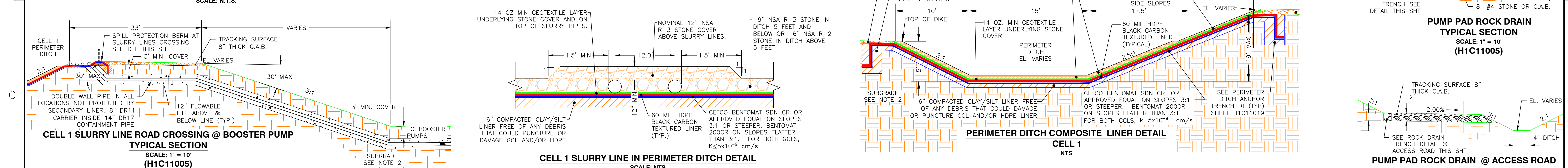
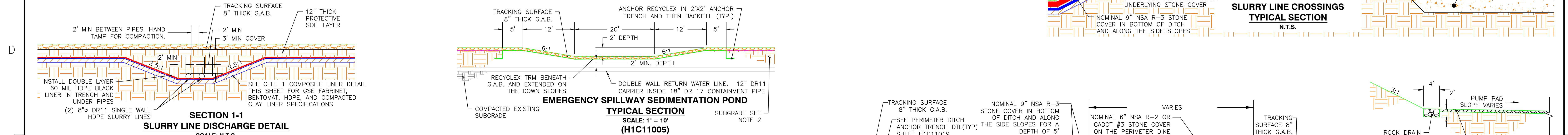
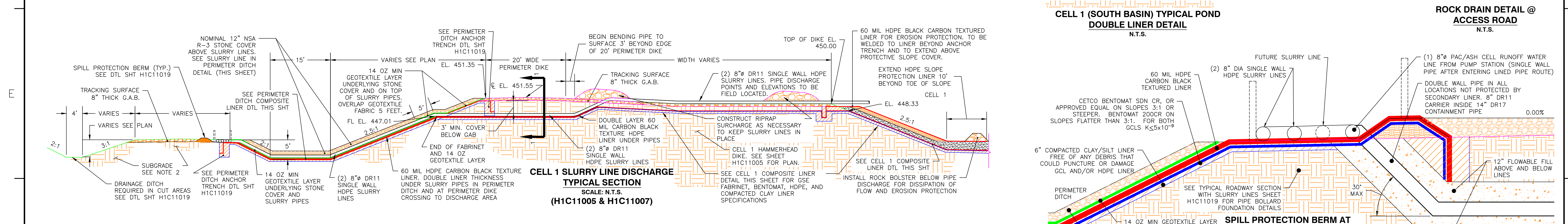
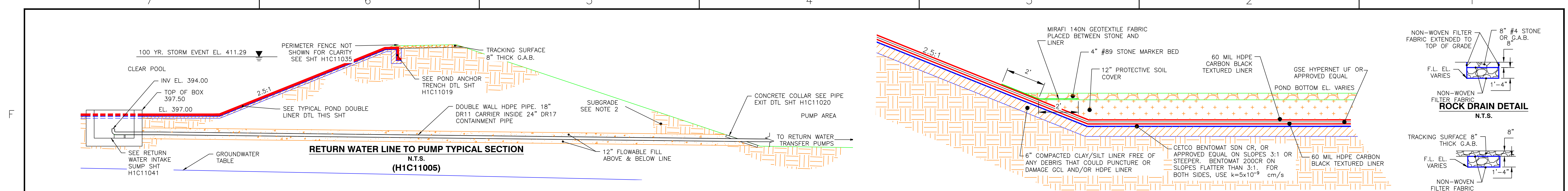




REVISION	DATE	REVISION	DATE	REVISION	DATE	REVISION	DATE
BY	CHK'D	CIVL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR	

Southern Company Services, Inc. Copyright© Southern Company Services, Inc. All Rights Reserved							<b>Southern Company Generation Engineering and Construction Services</b> FOR						
REVISION 0			DATE 10-24-2022				<b>Georgia Power Company</b>						
CCR LANDFILL PERMIT APPLICATION [BY HHNT, INC.]							PLANT SCHERER COAL COMBUSTION BY-PRODUCT DISPOSAL FACILITY CELL NO. 1 THROUGH CELL NO. 3 MISCELLANEOUS SECTIONS SHEET 1						
BY	CHK'D	CIVL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR	SCALE	PROJ I.D.	DRAWING NUMBER		SHEET	CONT'D	REV.
ANR		RBL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	AS NOTED	010505	H1C11014		1	FINAL	0





<div><div><div>GEORGIA</div><div>DEPARTMENT OF NATURAL RESOURCES</div><div>Approved</div><div>Keith Stevens</div></div><div><div>REGISTERED</div><div>PROFESSIONAL</div><div>ENGINEER</div><div>10/25/22</div></div></div>										<div><div>NOTES:</div><div>1. G.A.B. WILL BE PER GEORGIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.</div><div>2. THESE SECTIONS REPRESENT TYPICAL CONFIGURATIONS FOR THE CELLS, PERIMETER DITCH, AND SEDIMENTATION BASINS. ACTUAL CONDITIONS WILL VARY TO INCLUDE BOTH CUT AND FILL AREAS. THEREFORE, THE SUBGRADE MATERIAL FOR THE CLAY LINER COULD CONSIST OF EITHER RESIDUAL, IN-PLACE SOILS OR GENERAL STRUCTURAL FILL. REFERENCE THE CONSTRUCTION QUALITY ASSURANCE PLAN AND THE CONSTRUCTION TECHNICAL SPECIFICATIONS FOR PROOF-ROLLING CRITERIA FOR IN-PLACE SOILS AND THE PLACEMENT AND COMPACTION CRITERIA FOR GENERAL STRUCTURAL FILL.</div><div>3. CELL 2 SOIL LINER THICKNESS IS 24". CELL 1 SOIL LINER THICKNESS IS 6".</div></div> <div><div>REFERENCES:</div><div>H1C11000 TITLE SHEET AND DRAWING INDEX</div><div>H1C11005 CELL NO. 1 - SITE DEVELOPMENT BASE GRADING SHEET</div><div>H1C11007 CELL NO. 2 - SITE DEVELOPMENT BASE GRADING SHEET</div><div>H1C11014 CELL NO. 1 AND CELL NO. 2 DIKE SECTIONS</div><div>H1C11015A CELL NO. 1 THROUGH CELL NO. 3 MISCELLANEOUS SECTIONS</div><div>H1C11019 CELL NO. 1 AND CELL NO. 2 MISCELLANEOUS DETAILS</div><div>H1C11020 CELL NO. 1 AND CELL NO. 2 MISCELLANEOUS DETAILS</div><div>H1C11035 CELL NO. 1 AND CELL NO. 2 MISCELLANEOUS DETAILS</div><div>H1C11037 CELL NO. 1 AND CELL NO. 2 LEACHATE COLLECTION AND REMOVAL SYSTEM LAYOUT</div><div>H1C11038 CELL NO. 1 AND CELL NO. 2 LEACHATE COLLECTION AND REMOVAL SYSTEM DETAILS</div><div>H1C11041 CELL NO. 1 THROUGH CELL NO. 3 CLEAR POOL RETURN WATER INTAKE PLAN AND SECTIONS</div></div>
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**CELL NO. 2 SLURRY LINE DISCHARGE**  
**TYPICAL SECTION**  
**NTS**  
**(H1C11005 & H1C11007)**

**CELL 2 SLURRY LINE IN PERIMETER DITCH DETAIL**  
SCALE: NTS

NOTE 1: ALL GCL TO BE COAL ASH RESISTANT (CAR).

**PERMANENT ACCESS ROAD  
TYPICAL SECTION CELL 1 AND CELL 2**  
**NTS**  
**(H1C11005)**

**CELL 2 COMPOSITE LINER DETAIL**  
**NTS**

NOTE 1: ALL GCL TO BE COAL ASH RESISTANT (CAR)

**PERIMETER DITCH COMPOSITE**  
**LINER DETAIL CELL NO. 2**  
**NTS**

**CELL 2 (NORTH BASIN) TYPICAL POND  
DOUBLE LINER DETAIL**  
N.T.S.

NOTE 1: ALL GCL TO BE  
COAL ASH RESISTANT (CAR)

**TYPICAL CELL NO. 2 POND (NORTH BASIN)**  
**LEAKAGE DETECTION SUMP DETAIL**  
N.T.S.

N.T.S

**PUMP ACCESS ROAD TYPICAL SECTION**  
(H1C11005)  
NTS

NTS

REFERENCES:

H1C11007	CELL NO. 2 - SITE DEVELOPMENT BASE GRADING SHEET
H1C11008	CELL NO. 1 AND CELL NO. 2 - FINAL STACKING PLAN
H1C11012	CELL 2 - SECTION C-C AND SECTION D-D PERIMETER DIKE THROUGH FINAL STACK
H1C11014	CELL NO. 1 AND CELL NO. 2 DIKE SECTIONS
H1C11019	CELL NO. 1 AND CELL NO. 2 MISCELLANEOUS DETAILS
H1C11020	CELL NO. 1 AND CELL NO. 2 MISCELLANEOUS DETAILS

**CELL NO. 2 (NORTH BASIN)**  
**POND ANCHOR TRENCH DETAIL**  
N.T.S.

**FINAL COVER DETAIL CELLS 1, 2**  
N.T.S.

N.T.S

**CELL 2 (NORTH BASIN) TYPICAL LEAKAGE DETECTION**  
**SUMP DRAIN PIPE DETAIL**  
N.T.S.

NOTE 1  
TO BE  
RESISTA

NOTES:

1. G.A.B WILL BE PER GEORGIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.
2. THESE SECTIONS REPRESENT TYPICAL CONFIGURATIONS FOR THE CELLS, PERIMETER DITCH, AND SEDIMENTATION BASINS. ACTUAL CONDITIONS WILL VARY TO INCLUDE BOTH CUT AND FILL AREAS, THEREFORE, THE SUBGRADE MATERIAL FOR THE CELL LINER COULD CONSIST OF EITHER RESIDUAL IN-PLACE SOILS OR GENERAL STRUCTURAL FILL. REFERENCE THE CONSTRUCTION QUALITY ASSURANCE PLAN AND THE SEDIMENTATION TECHNICAL SPECIFICATIONS FOR PROOF-ROLLING CRITERIA FOR IN-PLACE SOILS AND THE PLACEMENT AND COMPACTION CRITERIA FOR GENERAL STRUCTURAL FILL.
- 2.1. CELL 2 SOIL LINER THICKNESS IS 24". CELL 1 SOIL LINER THICKNESS IS 6".

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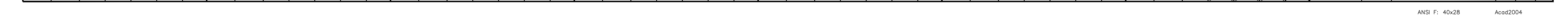








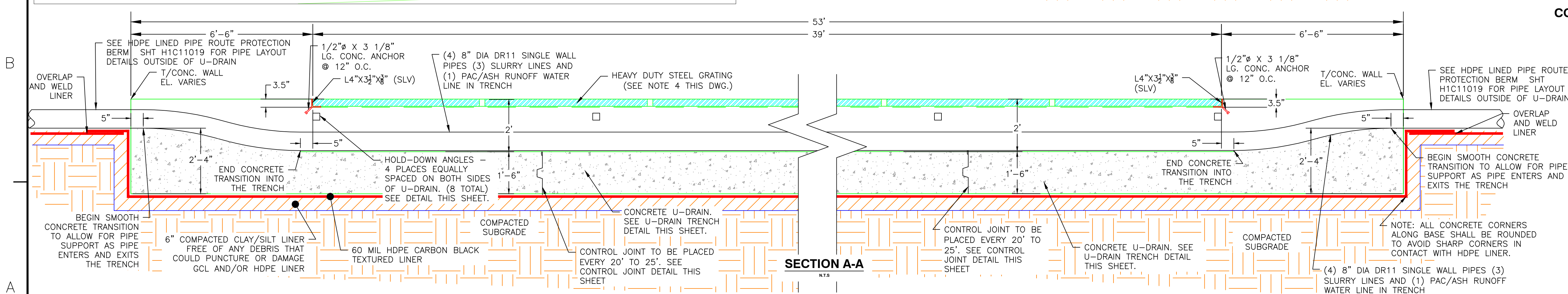
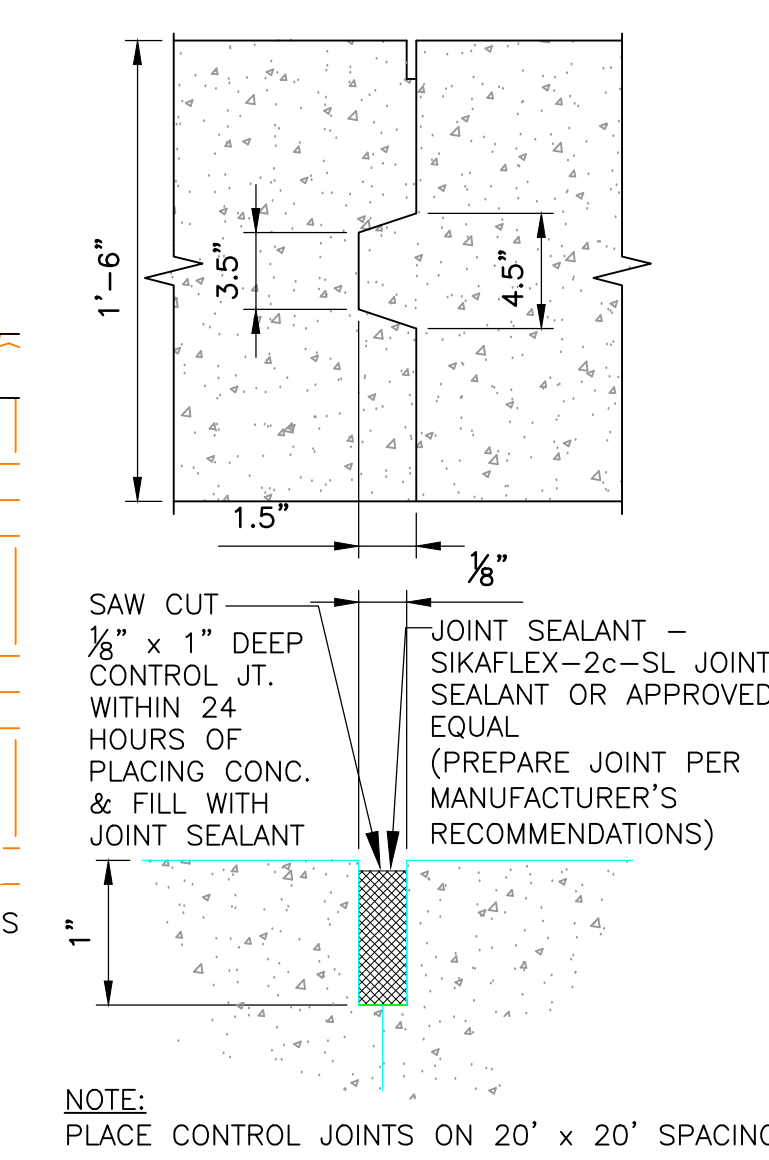
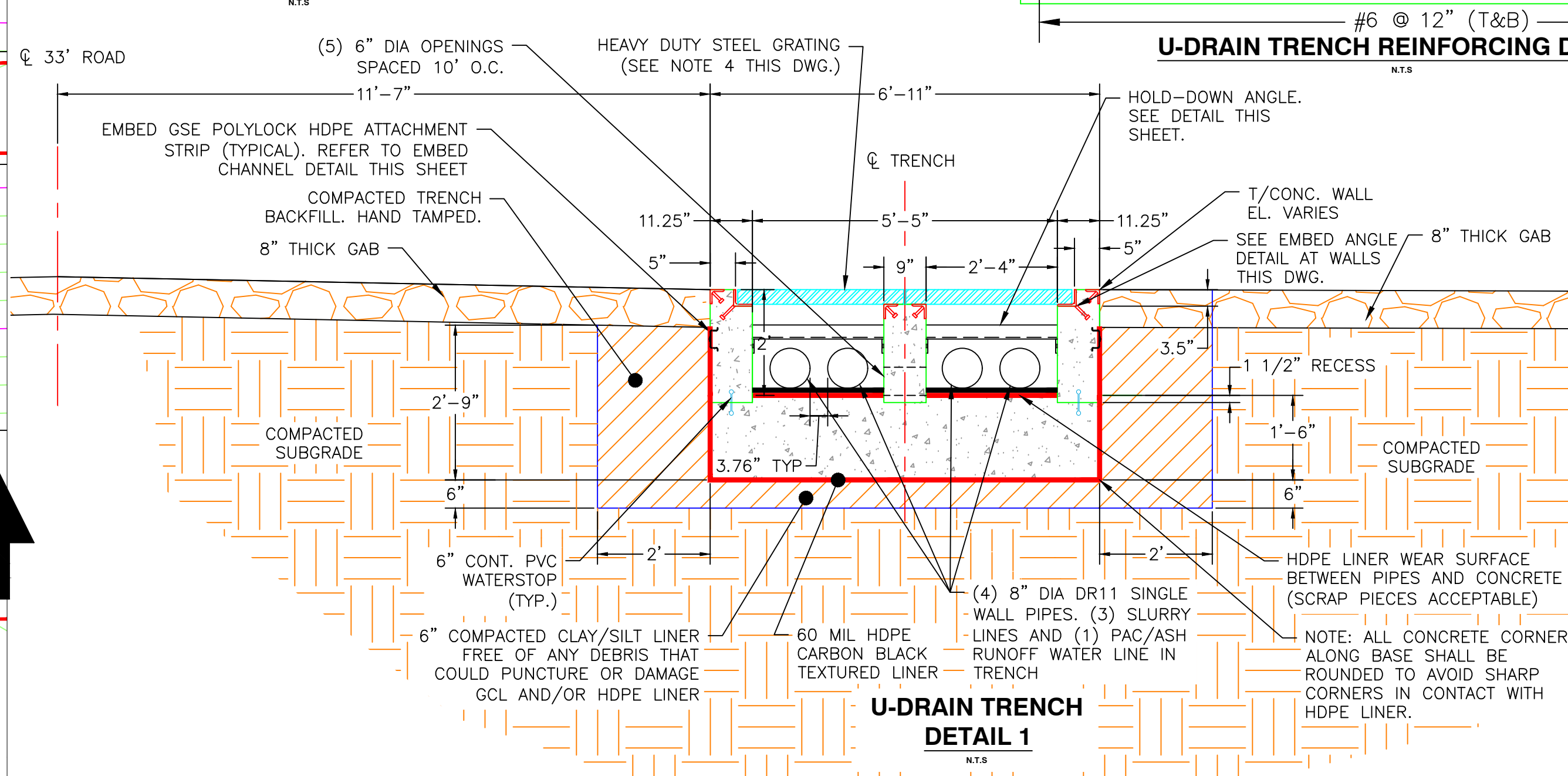
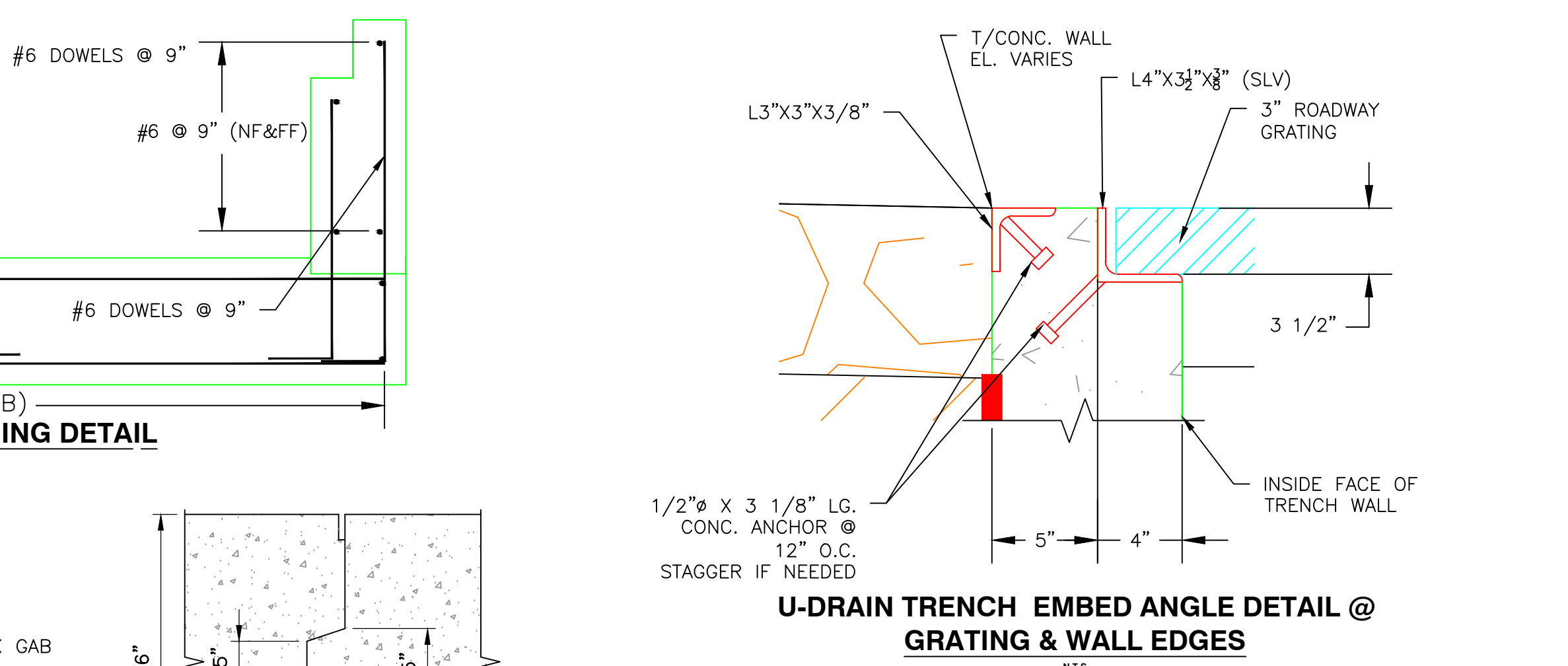
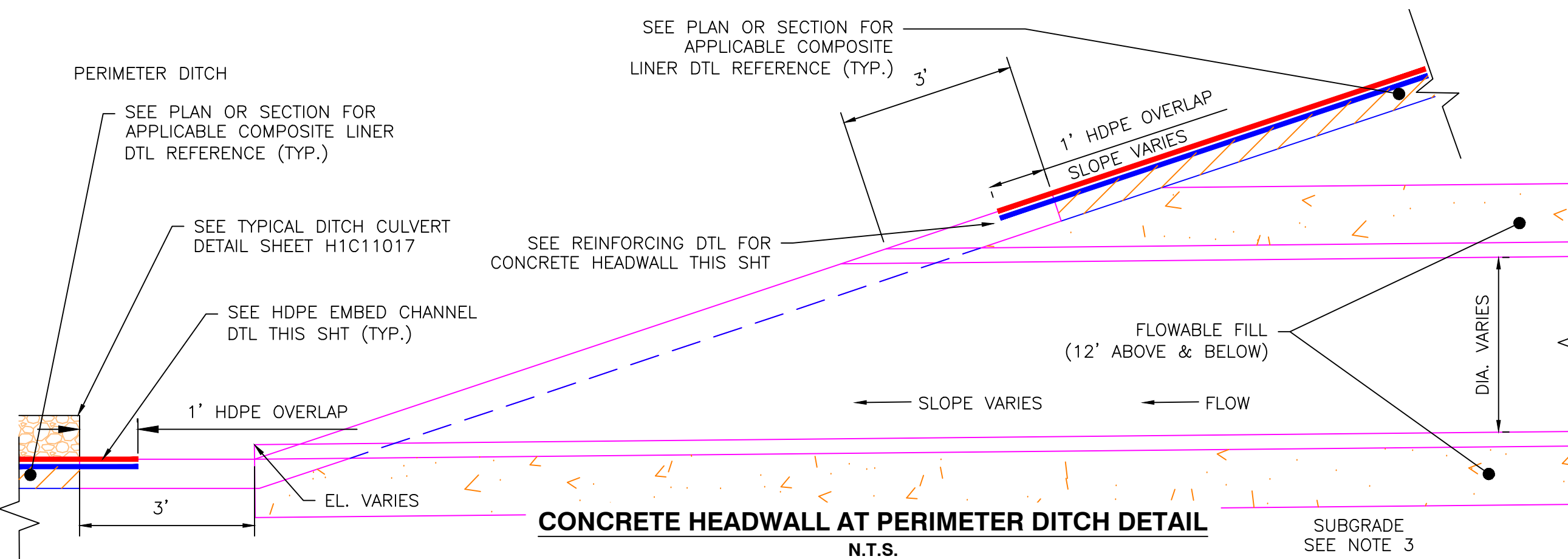
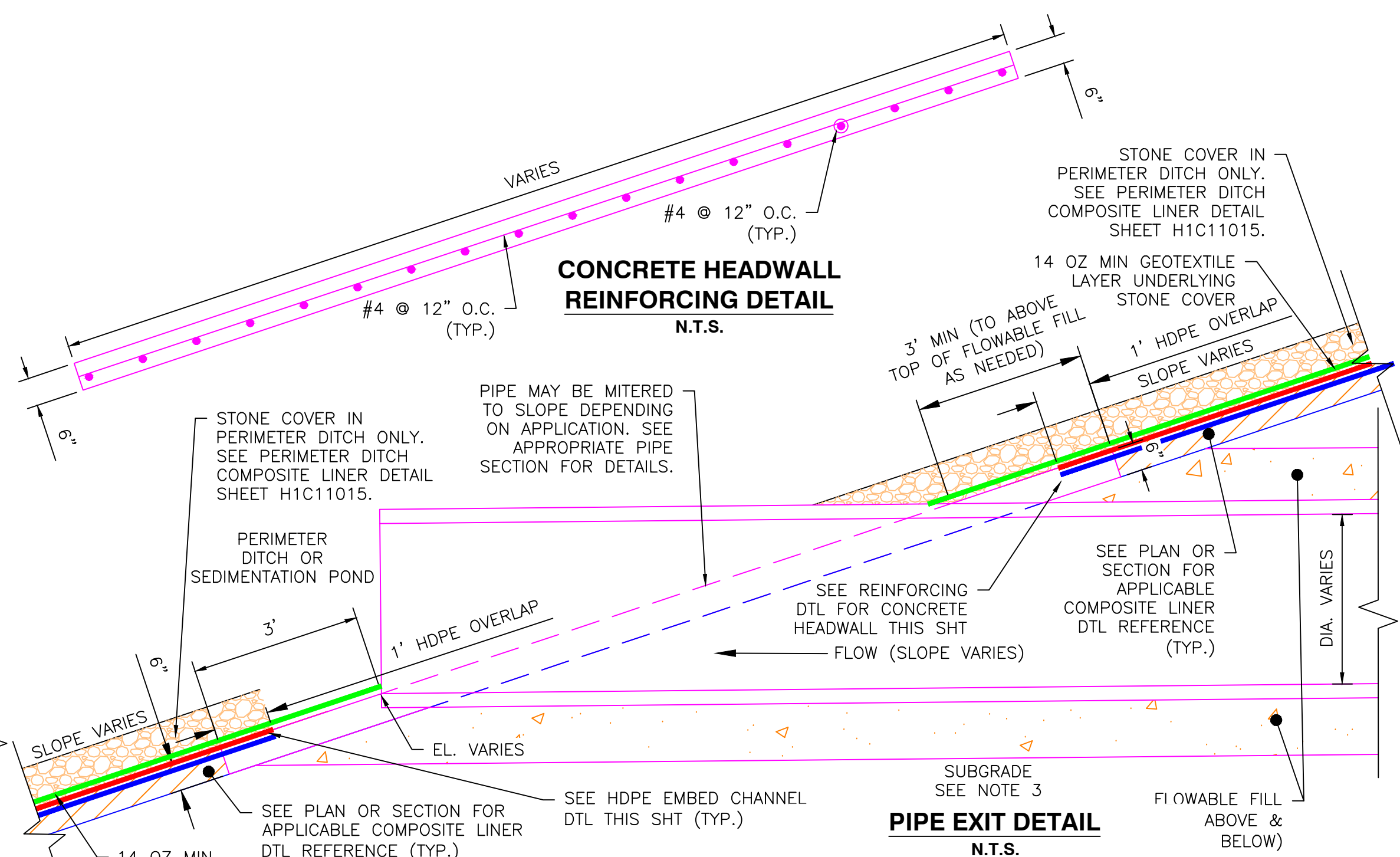










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PLANT SCHERER COAL COMBUSTION BY-PRODUCT DISPOSAL FACILITY  
DESCRIPTION OF GENERAL CELL FILLING OPERATIONS

1. FILLING OPERATIONS BEGIN WITH THE DISCHARGE OF GYPSUM SLURRY INTO ONE SIDE OF THE DIVERSION BERM. THE SLURRY WILL BE DIRECTED ALONG ONE SIDE OF THE CELL'S PERIMETER DIKE SLOPE TOWARD THE FAR DOWNSTREAM END OF THE CELL (PHASE 1). THE GYPSUM WILL SETTLE OUT AS THE SLURRY FLOWS ALONG THE PERIMETER SLOPE. THIS SETTLING MAY BE FACILITATED BY PLACING CHECK BERMS OF SOIL OR GYPSUM ALONG THE FLOW PATH.
2. WHEN THE SETTLED GYPSUM HAS PROGRESSED IN DISTANCE ALONG THE PERIMETER DIKE, THE SLURRY DISCHARGE CAN BE DIRECTED TO THE OTHER SIDE OF THE DIVERSION BERMS TO BEGIN THE FILLING ALONG THE OPPOSITE SIDE OF THE CELL (PHASE 2). THIS WILL ALLOW THE EXCAVATION OF THE RIM DITCH ALONG THE PREVIOUS PHASE 1 SIDE.
3. THE PHASE 1 RIM DITCH WILL BE INITIALLY EXCAVATED BY A TRACKED EXCAVATOR LOCATED ON THE PERIMETER BERM. AS THE RIM DITCH IS EXCAVATED, THE GYPSUM WILL BE CAST AND STACKED ON THE NEAR SIDE AS WELL AS THE FAR SIDE OF THE RIM DITCH AS THE EXCAVATOR TRAVELS ALONG THE DIKE. THE SLOPE OF THE INVERT OF THE RIM DITCH SHOULD BE KEPT APPROXIMATELY 0.5% TO FACILITATE THE SETTLING OF GYPSUM.
4. THE RIM DITCH MAY BE BLOCKED/DAMMED AT ANY POINT SO THAT THE FUTURE GYPSUM SLURRY MAY BE DIRECTED TOWARD THE INTERIOR OF THE CELLS IN LATERAL DITCHES.
5. ONCE THE RIM DITCH IS EXCAVATED SUCH THAT FLOW WILL BE IN THE DESIRED DIRECTION, THE SLURRY DISCHARGE MAY BE DIRECTED INTO THE PHASE 1 RIM DITCH OR INTO A NEW PHASE 3 AREA WHERE SETTLED GYPSUM IS DESIRED.
6. THE PHASE 2 RIM DITCH IS EXCAVATED IN THE SECOND AREA OF SETTLED GYPSUM.
7. THE CAST GYPSUM EXCAVATED FROM THE RIM DITCHES WILL BE SPREAD BY TRACKED DOZERS, ALONG THE DIRECTION OF THE RIM DITCHES AND ON BOTH SIDES, TO PROVIDE WORKING PADS FOR EXCAVATION OF FUTURE RIM DITCHES AS WELL AS SECTIONS FOR RAISING THE GYPSUM STACK.
8. THIS METHOD OF ALLOWING GYPSUM SETTLEMENT AND RIM AND LATERAL DITCH EXCAVATION IN PHASES WILL BE UTILIZED FOR FILLING TO THE FINAL STACK ELEVATIONS.
9. AS FILLING OF THE FIRST LIFT PROGRESSES, SLURRY WATER AND STORM WATER ARE DIRECTED TO THE LOW END OF THE CELL TOWARDS THE RISER AND DISCHARGE PIPE.
10. AS THE RIM DITCHES ARE EXCAVATED, A MINIMUM OF 3 FEET OF GYPSUM SHALL BE LEFT IN PLACE ABOVE THE DRAINAGE SYSTEM TO PROVIDE A PROTECTIVE LAYER.
11. THE RISER AND DISCHARGE ASSEMBLY MAY BE USED AS LONG AS PRACTICAL TO PROVIDE DRAINAGE FROM WITHIN THE CELL TO THE SEDIMENTATION BASIN. HOWEVER, IT IS ANTICIPATED THAT THE USE OF THIS ASSEMBLY WILL BE TERMINATED AFTER FILLING OF THE FIRST 20 FT. LIFT ABOVE THE PERIMETER BERM. AT THAT TIME THE SIPHON DISCHARGE SYSTEM WILL BE INSTALLED FOR USE AND THE RISER/DISCHARGE ASSEMBLY WILL BE ABANDONED IN PLACE.
12. THE SIPHON SPILLWAY, DISCHARGING TO THE PERIMETER DITCH, WILL BE UTILIZED FOR CONTROLLING THE LEVEL OF SLURRY AND STORM WATER DURING FILLING AND RAISING OF EACH 20 FT. LIFT. A SECOND SIPHON WILL BE INSTALLED AND BE OPERABLE FOR THE SUBSEQUENT 20 FT. LIFT BEFORE MOVING THE PREVIOUS SIPHON.
13. FOR EACH SUBSEQUENT LEVEL OF GYPSUM SLUICING AND GYPSUM DIKE AND RIM DITCH CONSTRUCTION, THE SAME CONSTRUCTION TECHNIQUES AND OPERATIONS WILL APPLY. GYPSUM CONSTRUCTION LINES WILL BE PROGRESSIVELY EXTENDED UP THE GYPSUM SLOPES TO THE NEXT LEVEL AS FILLING PROGRESSES.
14. GYPSUM SLOPES WILL BE MAINTAINED UNTIL THE FINAL COVER SYSTEM IS PLACED.
15. THE CELLS WILL BE CLOSED IN ACCORDANCE WITH THE CLOSURE PLAN.

**ABANDONMENT PROCEDURES**  
**RISER STRUCTURE AND DECANT PIPE ASSEMBLY**  
THE CELL 1 AND CELL 2 RISER STRUCTURE AND DECANT PIPE ASSEMBLY WILL BE ABANDONED IN PLACE ONCE THE RESPECTIVE STRUCTURE HAS REACHED ITS INTENDED SERVICE LIFE, TYPICALLY, AS THE DEPOSITED GYPSUM REACHES OR APPROACHES THE UPPER ELEVATIONS DEFINED BY THE PERIMETER BERM OR ELEVATION OF THE RISER STRUCTURE.

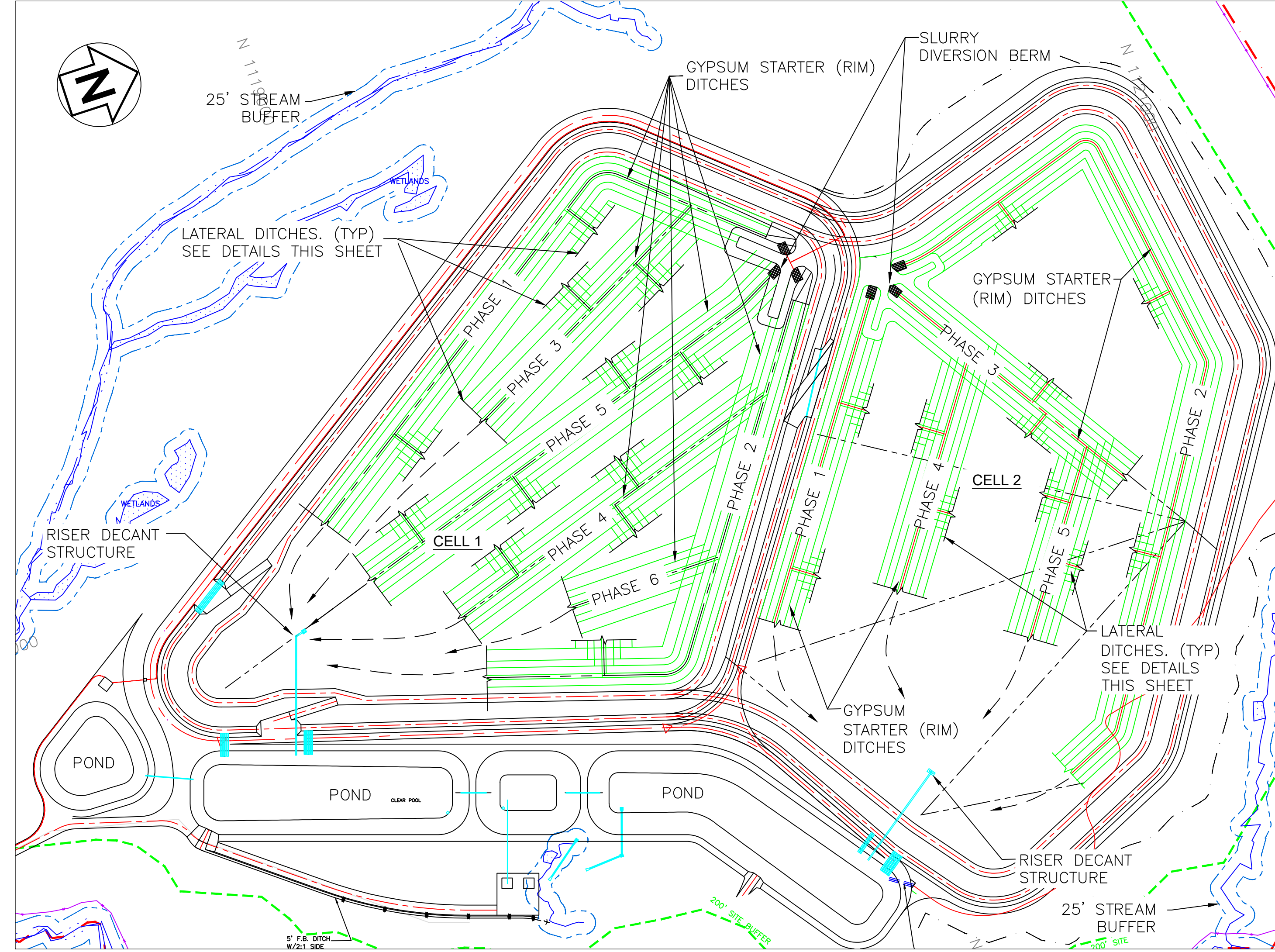
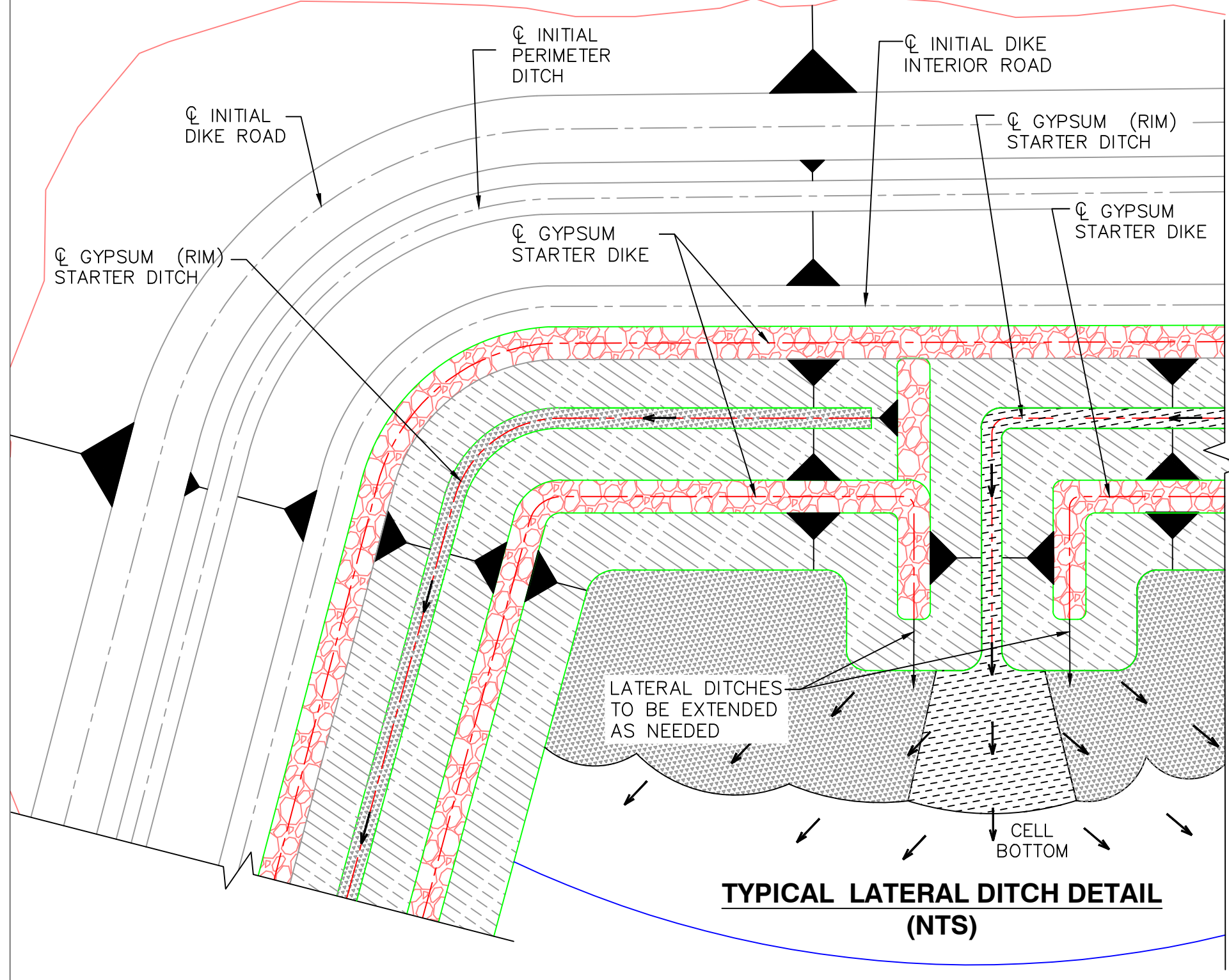
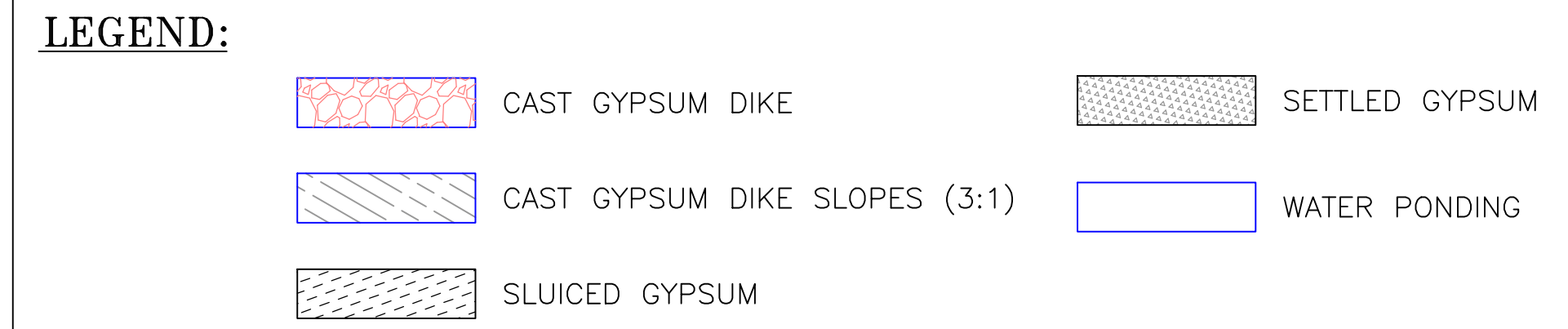
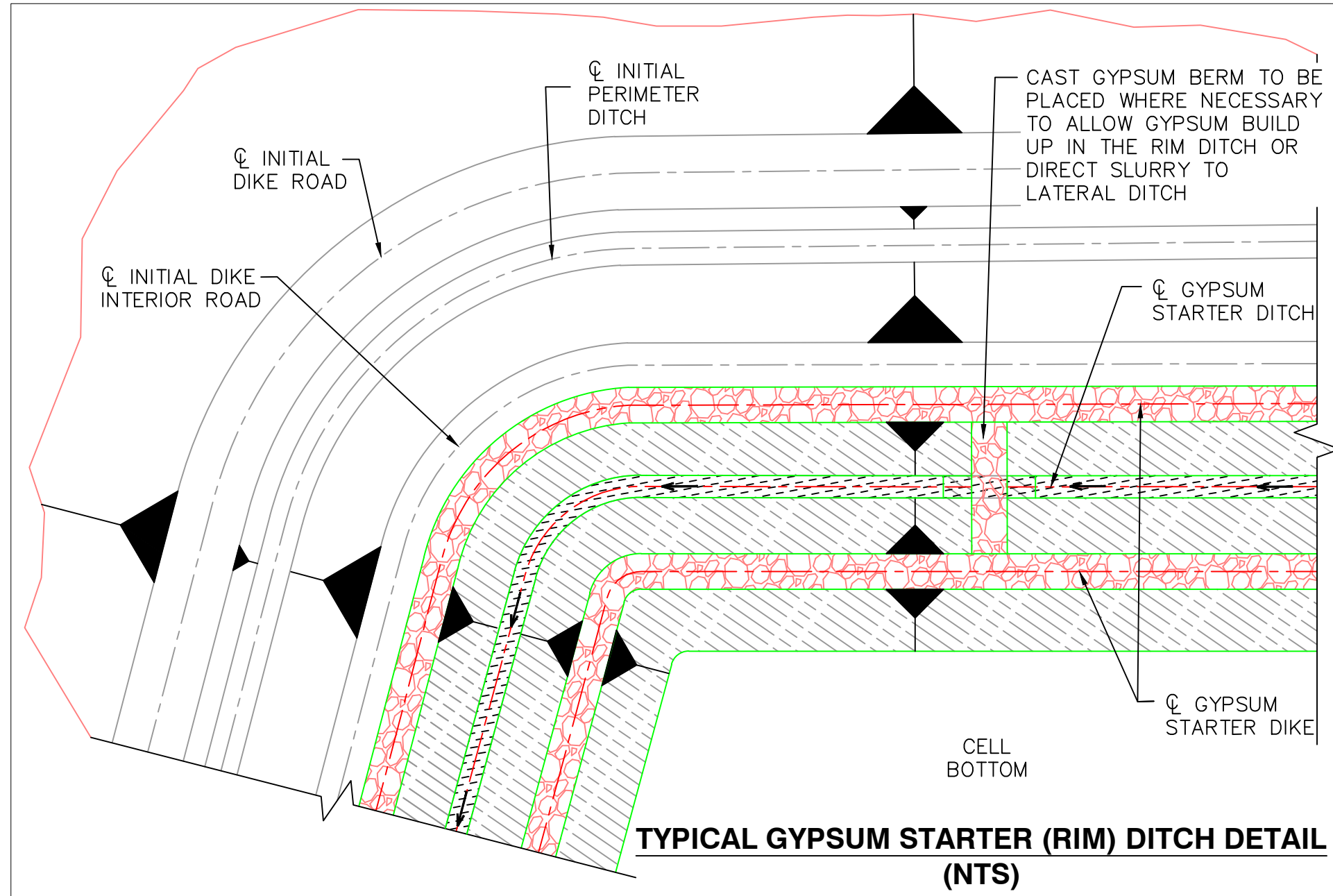
**ABANDONMENT OF THE CONCRETE RISER STRUCTURE AND HDPE DECANT PIPE ASSEMBLY**  
THE DECANT PIPE AND LOWER PORTION OF THE RISER STRUCTURE WILL BE ABANDONED IN PLACE ONCE THE RESPECTIVE STRUCTURE HAS REACHED ITS INTENDED SERVICE LIFE, TYPICALLY, AS THE DEPOSITED GYPSUM REACHES OR APPROACHES THE UPPER ELEVATIONS DEFINED BY THE PERIMETER BERM OR ELEVATION OF THE RISER STRUCTURE.

1. THE DECANT PIPE UPSTREAM OPENING IN THE RISER STRUCTURE SHALL BE BLOCKED/SEALED WITH A STEEL BULKHEAD. A GROUT INJECTION PORT SHALL BE PROVIDED IN THE TOP PORTION OF THE BULKHEAD, EXTENDING INTO THE HDPE DECANT PIPE. THE UPSTREAM END OF THE INJECTION PORT SHALL BE AFFIXED WITH A 90° ELBOW AND PIPE EXTENSION TO RECEIVE THE VERTICAL GROUT PIPE FROM INSIDE THE RISER STRUCTURE. THE VERTICAL PIPE FROM THE INJECTION PORT SHALL EXTEND TO ABOVE THE LEVEL OF CONCRETE POURED TO PLUG THE BOTTOM OF THE RISER (SEE #4 BELOW).
2. A VERTICAL GROUT PIPE SHALL BE THREADED ONTO THE INJECTION PORT EXTENSION AFFIXED TO THE STEEL BULKHEAD AND EXTEND UPWARD TO THE TOP OF THE RISER STRUCTURE.
3. THE VERTICAL GROUT PIPE SHALL BE EQUIPPED WITH A BLEED VALVE AND PRESSURE GAGE ASSEMBLY BELOW THE GROUT NOZZLE ATTACHMENT POINT.
4. THE BOTTOM OF THE RISER STRUCTURE SHALL BE FILLED WITH CONCRETE TO A HEIGHT OF 1.5 TIMES THE DIAMETER OF THE DECANT PIPE.
5. THE DOWNSTREAM OUTLET OF THE DECANT PIPE SHALL BE SEALED WITH A BULKHEAD OR CONCRETE PLUG.
6. THE DECANT PIPE SHALL BE FILLED WITH A FLOWABLE, SELF-LEVELING GROUT OR CONCRETE.
7. THE GROUT OR FLOWABLE CONCRETE MIX DESIGN SHALL BE SUBMITTED FOR APPROVAL PRIOR TO ABANDONMENT.
8. THE REMAINING VERTICAL PORTION OF THE RISER STRUCTURE MAY EITHER BE FILLED WITH CONCRETE OR BACKFILLED WITH GYPSUM FROM THE DISPOSAL CELL.

**EMERGENCY DISCHARGE POND OPERATION & MAINTENANCE**  
1. THE EMERGENCY DISCHARGE POND WILL BE EQUIPPED WITH A STAFF GAGE FOR MONITORING THE POND WATER ELEVATION. A FLOATING SUMP PUMP IS PROVIDED TO MAINTAIN THE WATER LEVEL WITHIN THE POND BELOW ELEV. 391. PROVISIONS ARE PROVIDED IN THE DESIGN FOR THE LIQUIDS PUMPED FROM THE EMERGENCY DISCHARGE POND TO DISCHARGE INTO THE SOUTH SEDIMENTATION BASIN.

2. THE WATER ELEVATION IN THE EMERGENCY DISCHARGE POND SHALL BE MONITORED ON A WEEKLY BASIS AND THE PUMP ENERGIZED AS REQUIRED TO MAINTAIN A NORMAL POND ELEVATION OF 388.
3. AN ACCESS RAMP INTO THE POND SHALL BE PROVIDED AND MAINTAINED FOR INGRESS AND EGRESS DURING CLEAN-OUT OPERATIONS. THE RAMP MAY BE CONSTRUCTED OF DEPOSITED OR HAULED GYPSUM, SOIL, OR A MIX OF BOTH MATERIALS. SPECIAL PRECAUTIONS SHALL BE TAKEN DURING CONSTRUCTION OF THE RAMP TO ENSURE THE INTEGRITY OF THE LINING SYSTEM.
4. A LIMIT OF EXCAVATION SHALL BE ESTABLISHED AND MONITORED DURING CLEAN-OUT OPERATIONS TO ENSURE THE LINER SYSTEM IS NOT DAMAGED.
5. EXCAVATED GYPSUM SHALL BE TRANSPORTED AND PLACED IN THE ACTIVE GYPSUM DISPOSAL CELL.

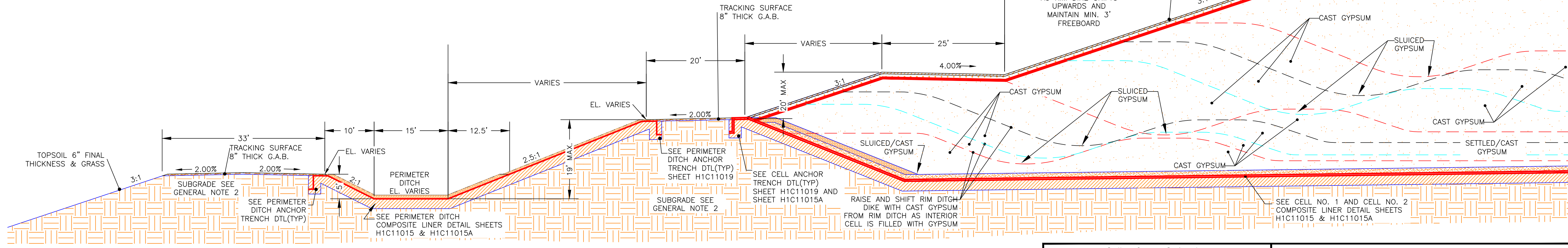
**MATERIAL RECLAMATION FOR MARKET**  
1. ANY DRYING AND TEMPORARY STORAGE OF GYPSUM FOR POSSIBLE REUSE WILL BE ACCOMPLISHED WITHIN THE FOOTPRINT OF THE CELL. AN AREA, OR AREAS, CAN BE PROVIDED WITHIN THE CELL BY DIRECTING SLURRY AWAY FROM THE STORAGE/DRYING AREA SUCH THAT THE AREA AND STOCKPILES CAN BE WORKED APPROPRIATELY.



**GYPSUM STARTER (RIM) DITCH & LATERAL DITCH  
TYPICAL PLAN  
NTS**

NOTE:  
ACTUAL RIM STARTER DITCH AND LATERAL DITCH  
ARRANGEMENT MAY VARY BASED ON OPERATION

- GENERAL NOTES:**
1. INTERIOR AND LATERAL DITCH OPERATION SIMILAR
  2. THESE SECTIONS REPRESENT TYPICAL CONFIGURATIONS FOR THE CELLS, PERIMETER DITCH, AND SEDIMENTATION BASINS. ACTUAL CONDITIONS WILL VARY TO INCLUDE BOTH CUT AND FILL AREAS, THEREFORE, THE SUBGRADE MATERIAL FOR THE CLAY LINER COULD CONSIST OF EITHER RESIDUAL, IN-PLACE SOILS OR GENERAL STRUCTURAL FILL. REFERENCE THE CONSTRUCTION QUALITY ASSURANCE PLAN AND THE CONSTRUCTION TECHNICAL SPECIFICATIONS FOR PROOF-ROLLING CRITERIA FOR IN-PLACE SOILS AND THE PLACEMENT AND COMPACTION CRITERIA FOR GENERAL STRUCTURAL FILL.



**TYPICAL GYPSUM STACK  
DEVELOPMENT  
(NTS)**



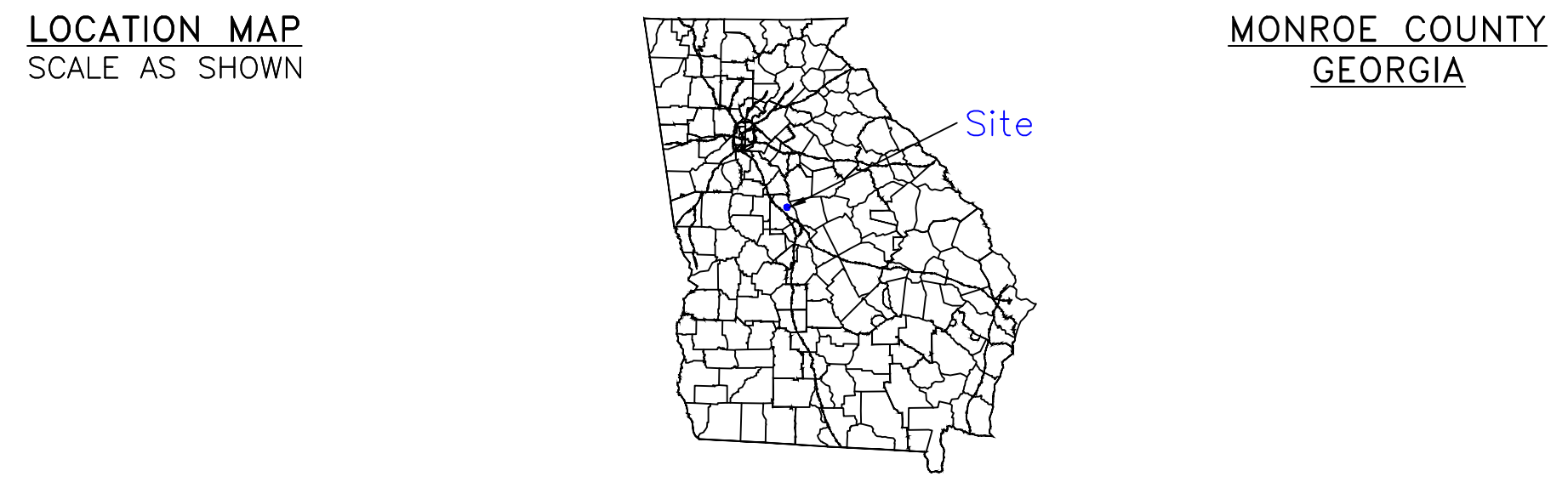
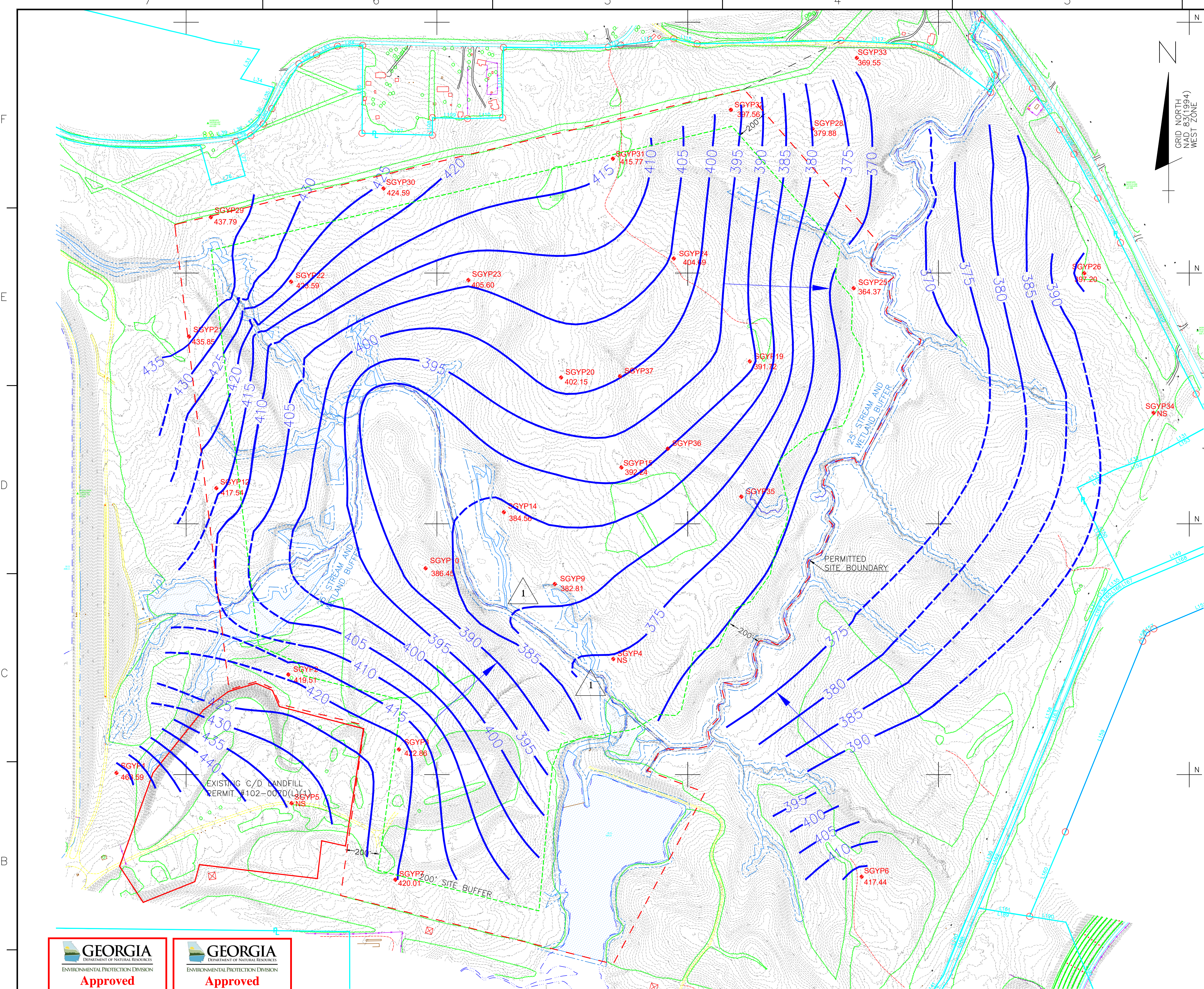
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BY	CHK'D	CIVL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR	

REVISION 0		DATE 10-24-2022		Southern Company Generation Engineering and Construction Services FOR	
CCR LANDFILL PERMIT APPLICATION [BY HHNT, INC.]				Georgia Power Company	
				PLANT SCHERER COAL COMBUSTION RESIDUALS (CCR) LANDFILL CELL NO. 1 AND CELL NO. 2 FILLING AND OPERATION PLAN	
SCALE	PROJ. ID.	DRAWING NUMBER	SHEET	CONTD	REV
AS SHOWN	010505	H1C11021	1	FINAL	0







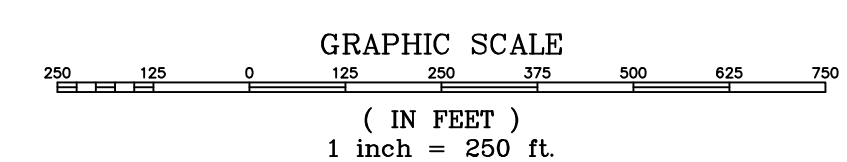


- LEGEND:**
- LANDFILL BOUNDARY
  - PROPERTY LINE
  - SITE BOUNDARY
  - BUFFER BOUNDARY
  - 25' WETLAND & STREAM BUFFER
  - GROUNDWATER CONTOUR
  - FLOW ARROW
  - STREAM OR CREEK
  - EXISTING CONTOURS
  - WETLAND
  - PIEZOMETER LOCATION

**GEORGIA**  
DEPARTMENT OF NATURAL RESOURCES  
ENVIRONMENTAL PROTECTION DIVISION  
**Approved**  
Solid Waste Management Program  
Approved By: Keith Stevens

**GEORGIA**  
DEPARTMENT OF NATURAL RESOURCES  
ENVIRONMENTAL PROTECTION DIVISION  
**Approved**  
Solid Waste Management Program  
Approved By:

The information provided on this drawing was originally prepared by qualified groundwater scientists at Southern Company Generation Engineering and Construction Services in December 2008 in support of the Industrial Solid Waste Permit 102-009D(L). The drawing was subsequently modified with final approval from EPD occurring in May 2011. All noted submittals were sealed by a professional engineer and professional geologist licensed in the state of Georgia. The information on this sheet is provided for reference only and has not been amended by Hodges, Harbin, Newberry and Tribble, Inc. or Bunnell Lammons Engineering, Inc.



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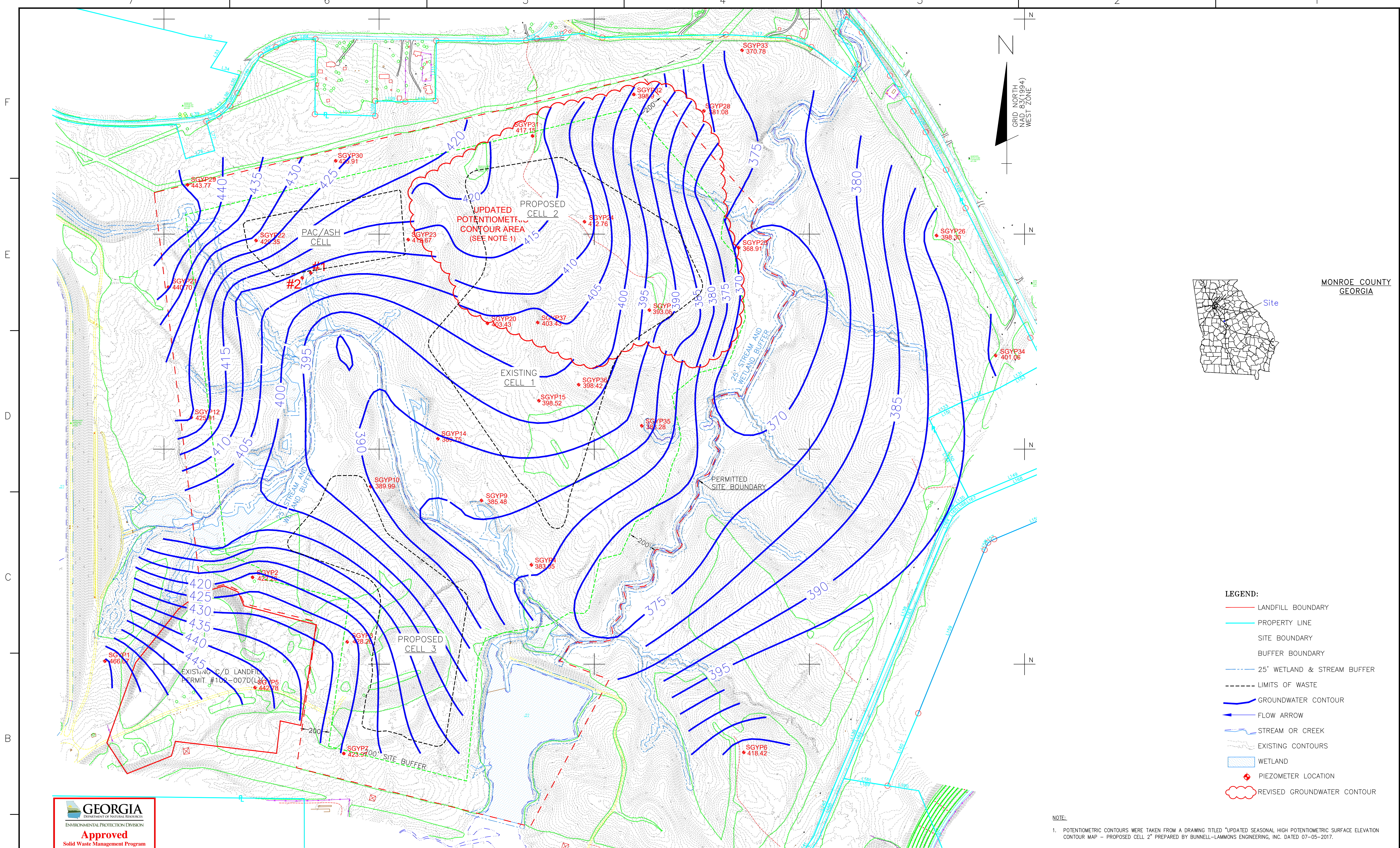
Southern Company Generation  
Engineering and Construction Services  
FOR  
**Georgia Power Company**

PLANT SCHERER  
COAL COMBUSTION BY-PRODUCT DISPOSAL FACILITY  
POTENTIOMETRIC SURFACE MAP 10/25/2007

REVISION 0 DATE 10-24-2022  
CCR LANDFILL PERMIT APPLICATION [BY HHNT, INC.]

ANSI F: 40x28





I hereby certify that I am a qualified groundwater scientist, in accordance with the Rules of Solid Waste Management, and 40 CFR Part 258.50(g). A qualified groundwater scientist is a scientist or engineer who has received a baccalaureate or post-graduate degree in the natural sciences or engineering and has sufficient training and experience in groundwater hydrology and related fields as may be demonstrated by State registration, professional Certifications, or completion of accredited university programs that enable individuals to make sound professional judgements regarding groundwater monitoring, contaminant fate and transport, and corrective action. I hereby certify that the design of this groundwater monitoring system was developed in accordance with the Rules of Solid Waste Management, Chapter 391-3-4.

Signature: *Andrew W. Alexander*  
Date: 2022-10-25



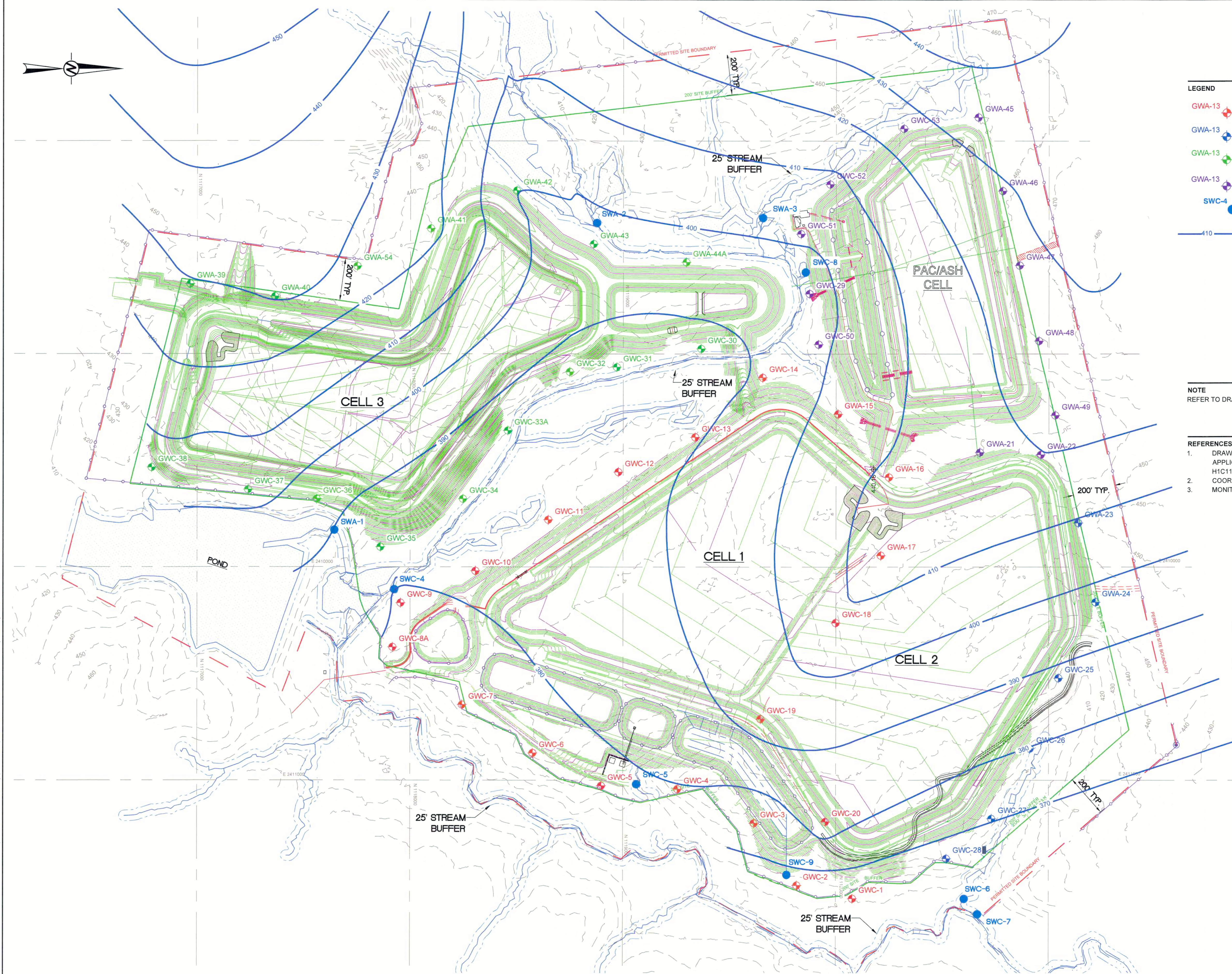
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REVISION 0	DATE 10-24-2022
CCR LANDFILL PERMIT APPLICATION [BY HHNT, INC.]	

Southern Company Generation Engineering and Construction Services FOR	
Georgia Power Company	
PLANT SCHERER COAL COMBUSTION RESIDUALS (CCR) LANDFILL COMPOSITE SEASONAL HIGH GROUNDWATER MAP	
SCALE 1" = 250'	PROJ ID. 10505
DRAWING NUMBER <b>H1C11028</b>	SHEET 1
CONTD FINAL	REV 0



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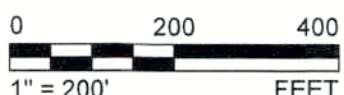
- LEGEND**
- GWA-13 EXISTING CELL 1 GROUNDWATER MONITORING WELLS
  - GWA-13 FUTURE CELL 2 GROUNDWATER MONITORING WELLS
  - GWA-13 EXISTING CELL 3 GROUNDWATER MONITORING WELLS
  - GWA-13 EXISTING PACIASH CELL GROUNDWATER MONITORING WELLS
  - SWC-1 SURFACE WATER MONITORING LOCATION
  - 410 INFERRED POTENTIOMETRIC SURFACE CONTOUR (FT-NAVD 88) AUGUST 2021

**NOTE**  
REFER TO DRAWING H1C11034 FOR MONITORING WELL SIGNAGE REQUIREMENTS.

- REFERENCES**
- DRAWING TAKEN FROM SOUTHERN COMPANY SERVICES, INC. CCR LANDFILL PERMIT APPLICATION (BY HHNT, INC.), DATED 6-30-2022. DELIVERED IN .DWG FORMAT, H1C11029-Compliance Network.dwg.
  - COORDINATE SYSTEM: NAD 1983 STATE PLANE GEORGIA WEST (U.S. FEET).
  - MONITORING WELL LOCATIONS PROVIDED BY JORDAN ENGINEERING.

I hereby certify that I am a qualified groundwater scientist, in accordance with the Rules of Solid Waste Management, and 40 CFR Part 258.50(g). A qualified groundwater scientist is a scientist or engineer who has received a baccalaureate or post-graduate degree in the natural sciences or engineering and has sufficient training and experience in groundwater hydrology and related fields as may be demonstrated by State registration, professional Certifications, or completion of accredited university programs that enable individuals to make sound professional judgments regarding groundwater monitoring, contaminant fate and transport, and corrective action. I hereby certify that the design of this groundwater monitoring system was developed in accordance with the Rules of Solid Waste Management, Chapter 391-3-4.

Signature: Rachel P. Kirkman  
Date: 10-25-22



CLIENT  
SOUTHERN COMPANY GENERATION  
ENGINEERING AND  
CONSTRUCTION SERVICES  
CONSULTANT

PROJECT  
GEORGIA POWER COMPANY  
PLANT SCHERER

TITLE  
COAL COMBUSTION BY-PRODUCT DISPOSAL FACILITY  
COMPLIANCE NETWORK SHEET

PROJECT NO.  
166235021

CONTROL  
16623501001.dwg

REV. 0 1 of 1 FIGURE  
H1C11029



1 in. IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN ADJUSTED FROM A0/1F







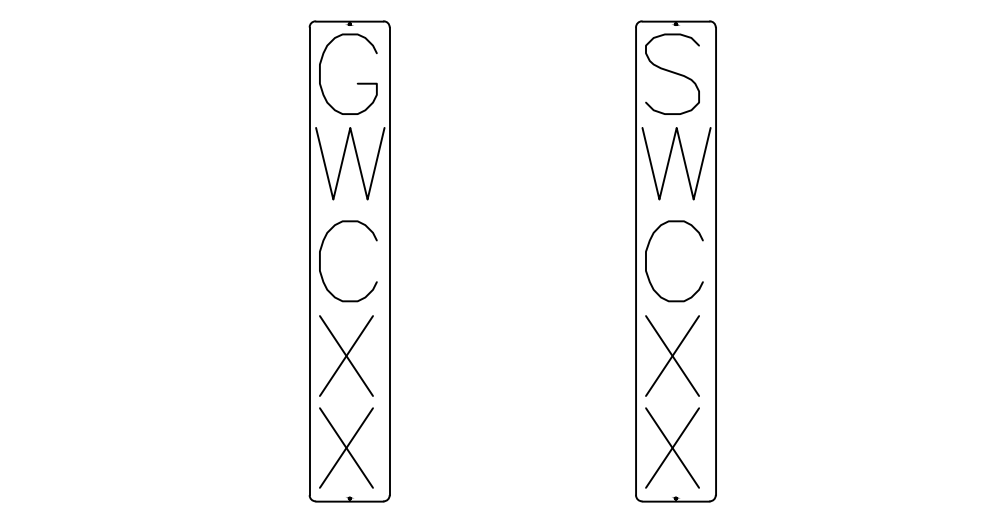
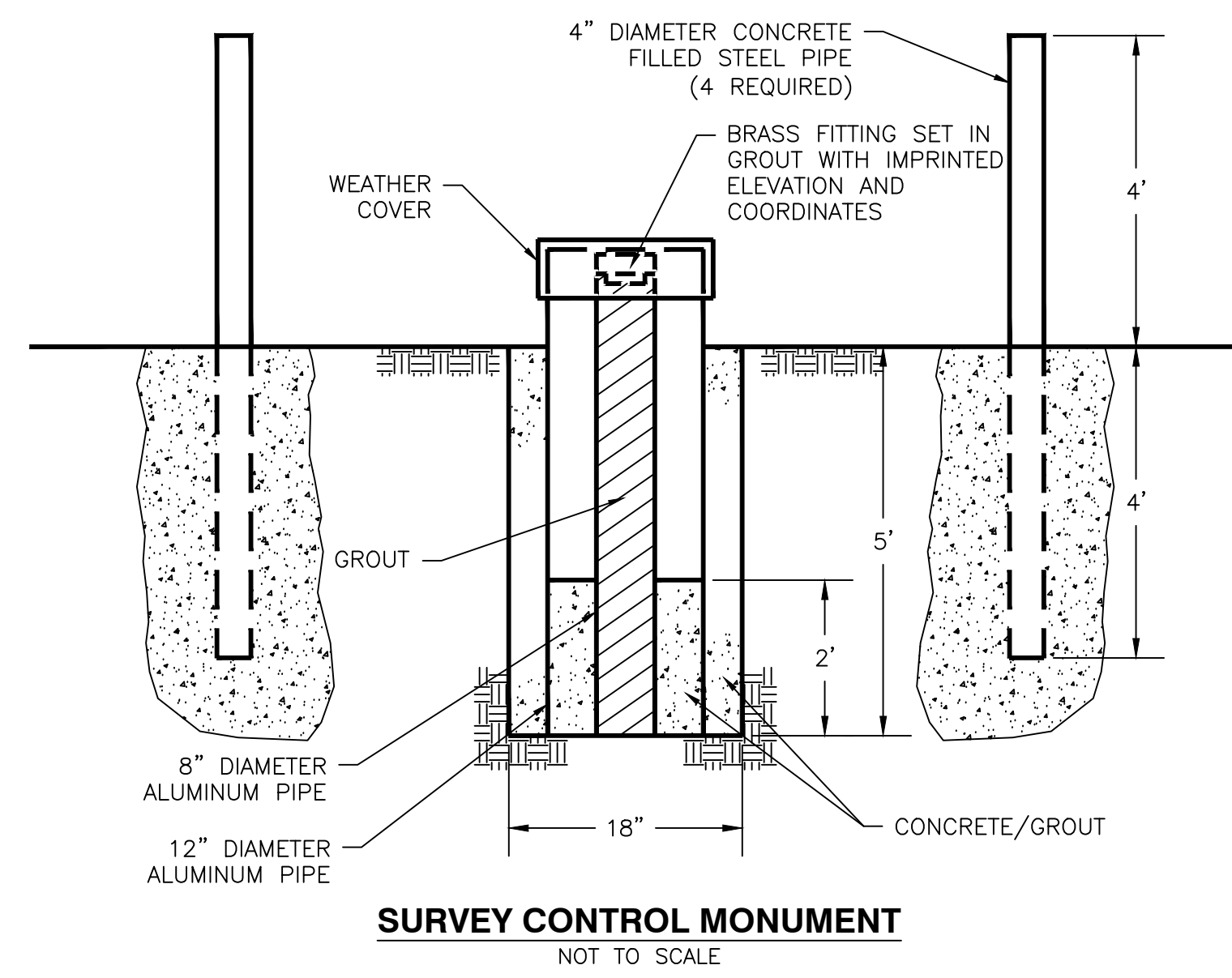








**BERM TRANSITION AT FLUME DETAIL**  
**PLAN VIEW**  
N.T.S.



GROUND WATER & SURFACE WATER MONITORING POINT SIGNAGE  
WHITE BACKGROUND WITH RED LETTERING 4" X 24"

BUFFER ZONE  
THE BUFFER ZONE SHALL NOT BE  
DISTURBED EXCEPT FOR DIRECT  
SITE INGRESS/EGRESS AND FOR  
GROUNDWATER MONITORING WELL  
INSTALLATION

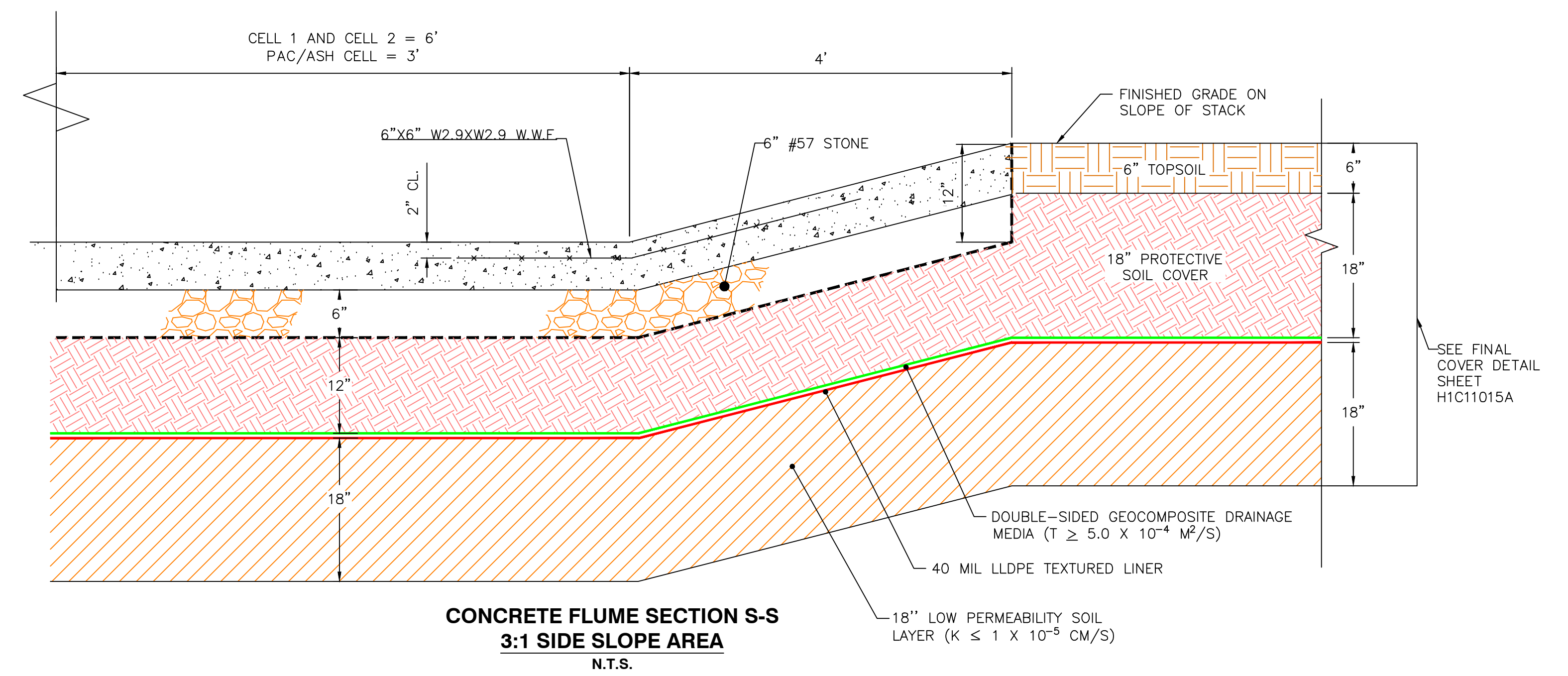
PLANT SCHERER  
COAL COMBUSTION RESIDUALS  
DISPOSAL FACILITY

THIS DISPOSAL FACILITY WILL ACCEPT  
ONLY COAL COMBUSTION RESIDUALS.  
ANY OTHER WASTES ARE PROHIBITED.

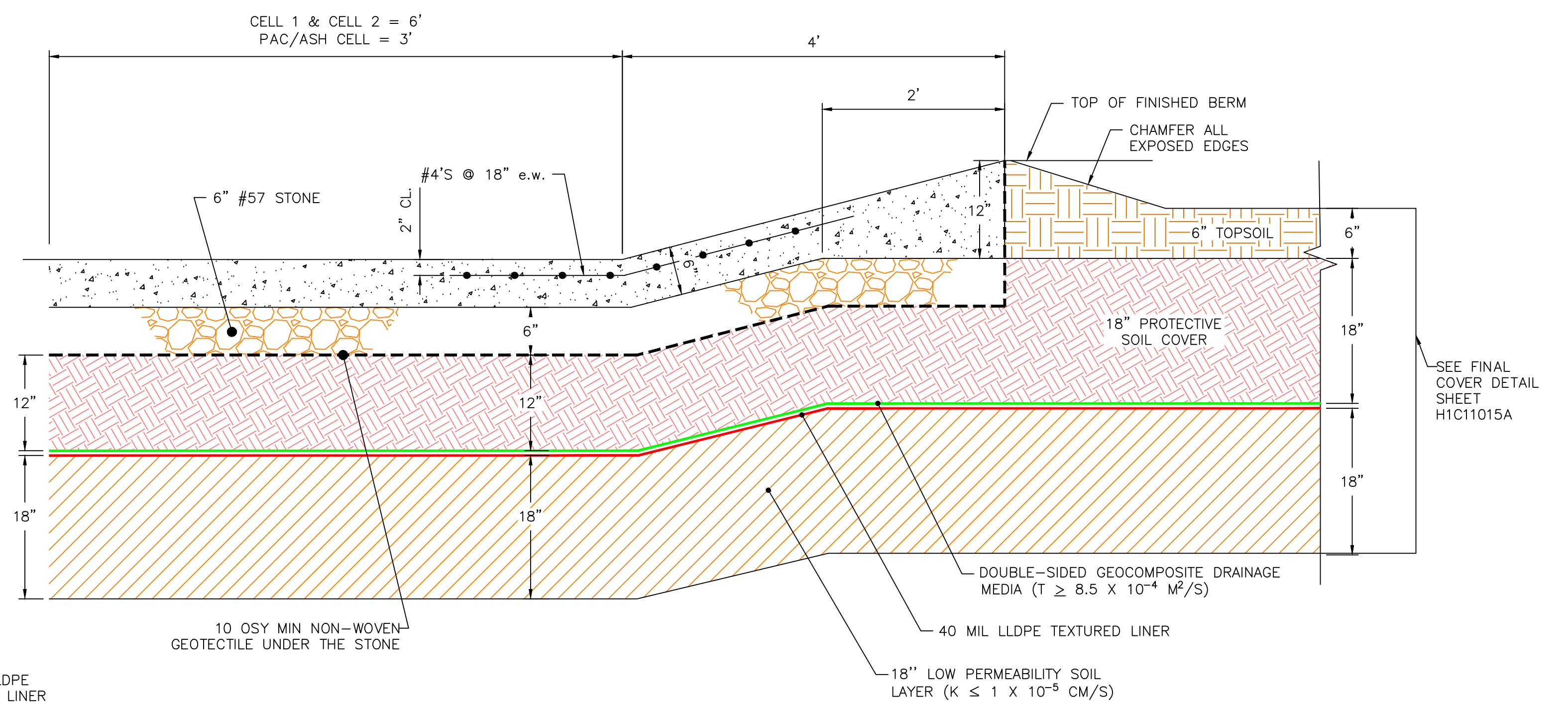
BUFFER ZONE SIGNAGE  
YELLOW BACKGROUND  
WITH BLACK LETTERING  
18" X 24"

ENTRANCE SIGNAGE  
WHITE BACKGROUND  
WITH BLACK LETTERING  
4' X 6'

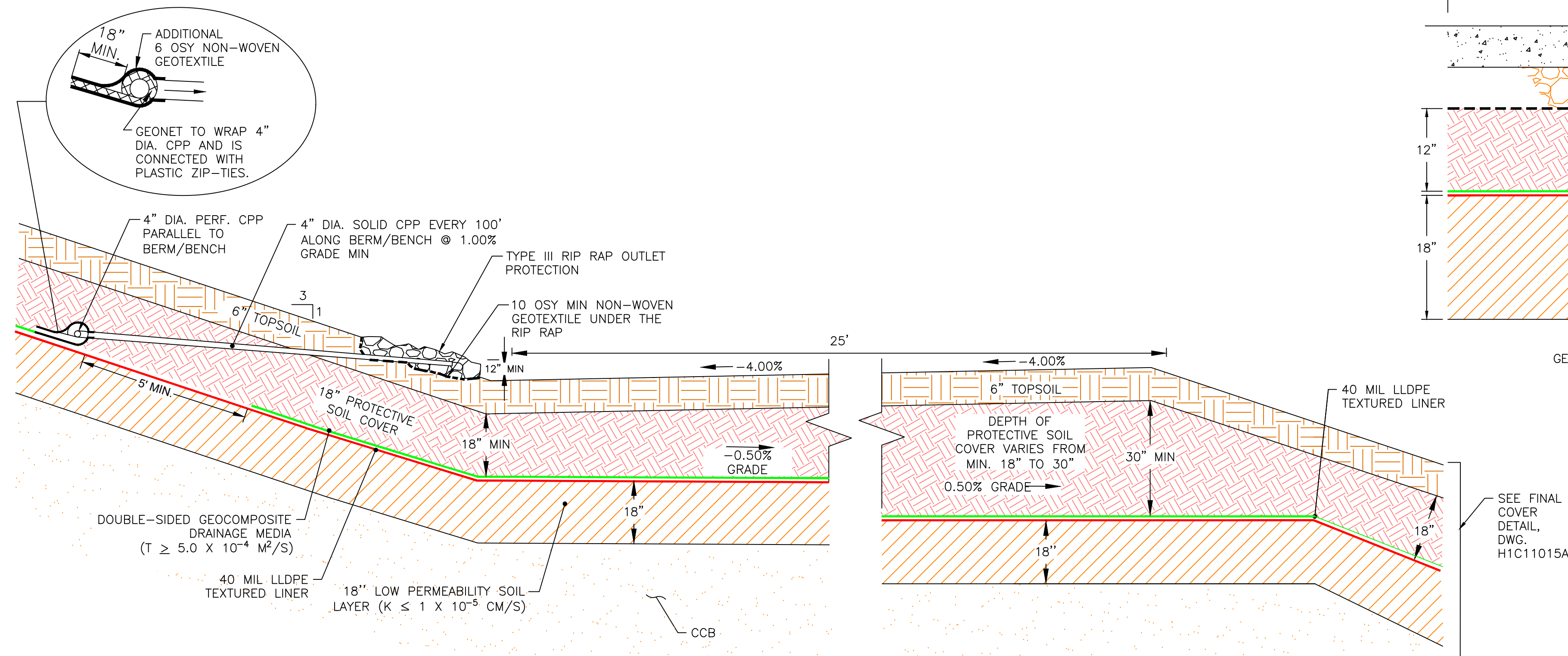
**SIGNAGE**  
NOT TO SCALE



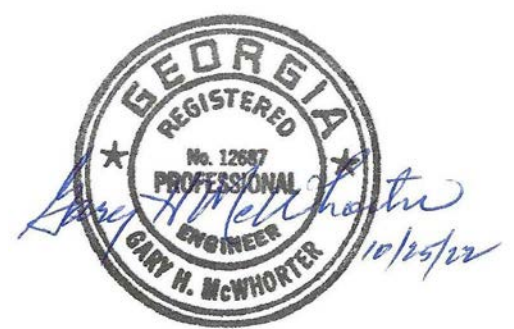
**CONCRETE FLUME SECTION S-S**  
**3:1 SIDE SLOPE AREA**  
N.T.S.



**CONCRETE FLUME SECTION U-U AT  
CENTERLINE OF BERM**  
N.T.S.

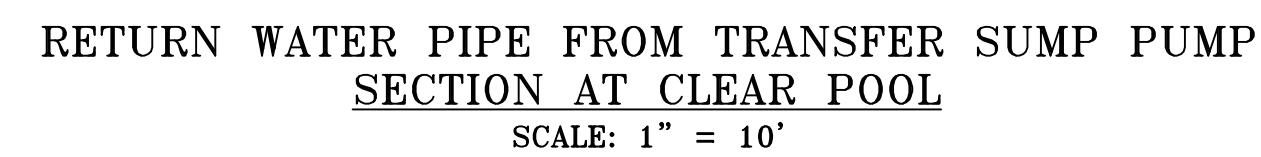
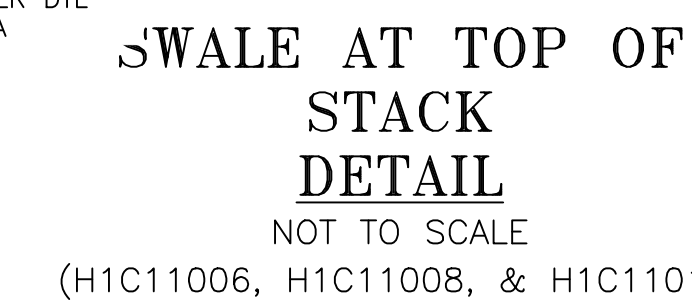
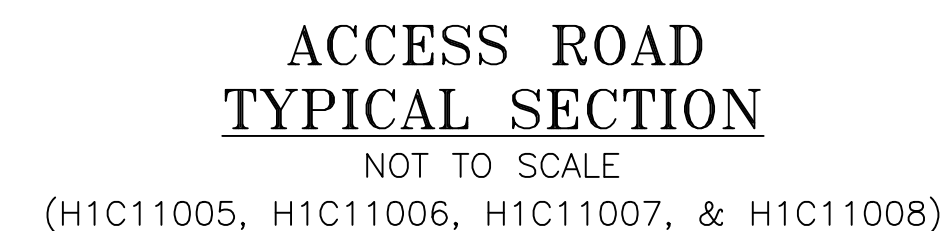


**FINAL COVER INTERNAL DRAIN OUTLET  
DETAIL BERM TRANSITION SECTION V-V  
N.T.S.**



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TYPICAL FENCE SECTION A  
N.T.S.

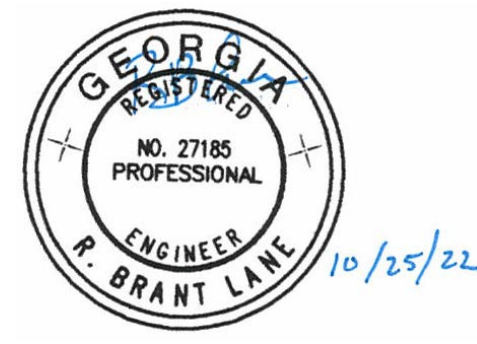
TYPICAL FENCE SECTION B  
N.T.S.

## REFERENCES:

H1C11000	TITLE	SHEET	AND	DRAWING INDEX
H1C11005	CELL	NO. 1	SITE	DEVELOPMENT BASE GRADING PLAN
H1C11006	CELL	NO. 1	FINAL	STACKING PLAN
H1C11007	CELL	NO. 2	SITE	DEVELOPMENT BASE GRADING PLAN
H1C11008	CELL	NO. 1	AND	CELL NO. 2 FINAL STACKING PLAN
H1C11014	CELL	NO. 1	AND	CELL NO. 2 MISCELLANEOUS SECTIONS
H1C11015	CELL	NO. 1	AND	CELL NO. 2 MISCELLANEOUS SECTIONS
H1C11015A	CELL	NO. 1	AND	CELL NO. 2 MISCELLANEOUS SECTIONS
H1C11016	CELL	NO. 1	AND	CELL NO. 2 MISCELLANEOUS SECTIONS
H1C11017	CELL	NO. 1	AND	CELL NO. 2 MISCELLANEOUS SECTIONS
H1C11019	CELL	NO. 1	AND	CELL NO. 2 MISCELLANEOUS DETAILS

GENERAL NOTES:

1.THESE SECTIONS REPRESENT TYPICAL CONFIGURATIONS FOR THE CELLS, PERIMETER DITCH, AND SEDIMENTATION BASINS. ACTUAL CONDITIONS WILL VARY TO INCLUDE BOTH CUT AND FILL AREAS, THEREFORE, THE SUBGRADE MATERIAL FOR THE CLAY LINER COULD CONSIST OF EITHER RESIDUAL, IN-PLACE SOILS OR GENERAL STRUCTURAL FILL. REFERENCE THE CONSTRUCTION QUALITY ASSURANCE PLAN AND THE CONSTRUCTION TECHNICAL SPECIFICATIONS FOR PROOF-ROLLING CRITERIA FOR IN-PLACE SOILS AND THE PLACEMENT AND COMPACTION CRITERIA FOR GENERAL STRUCTURAL FILL.



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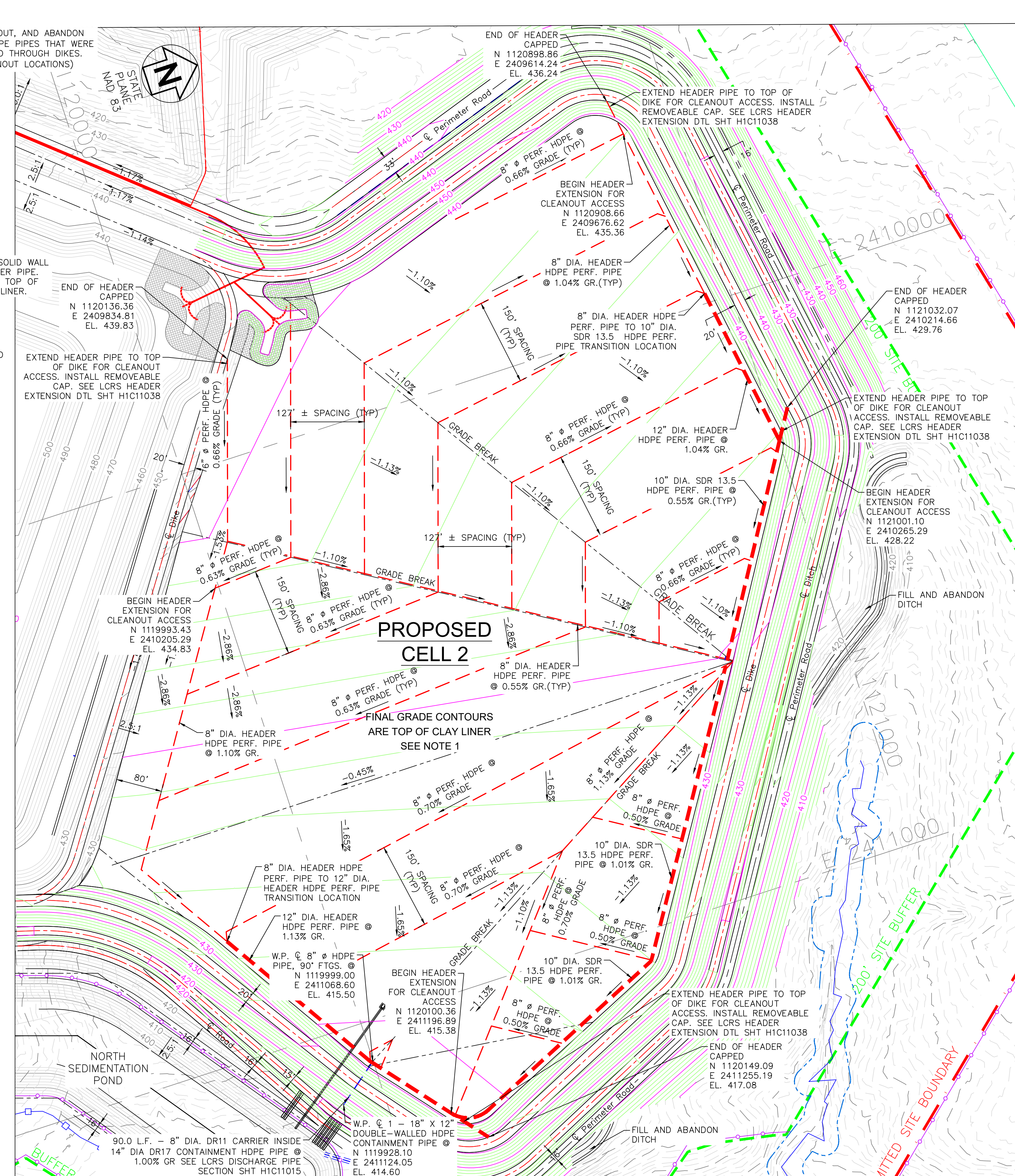
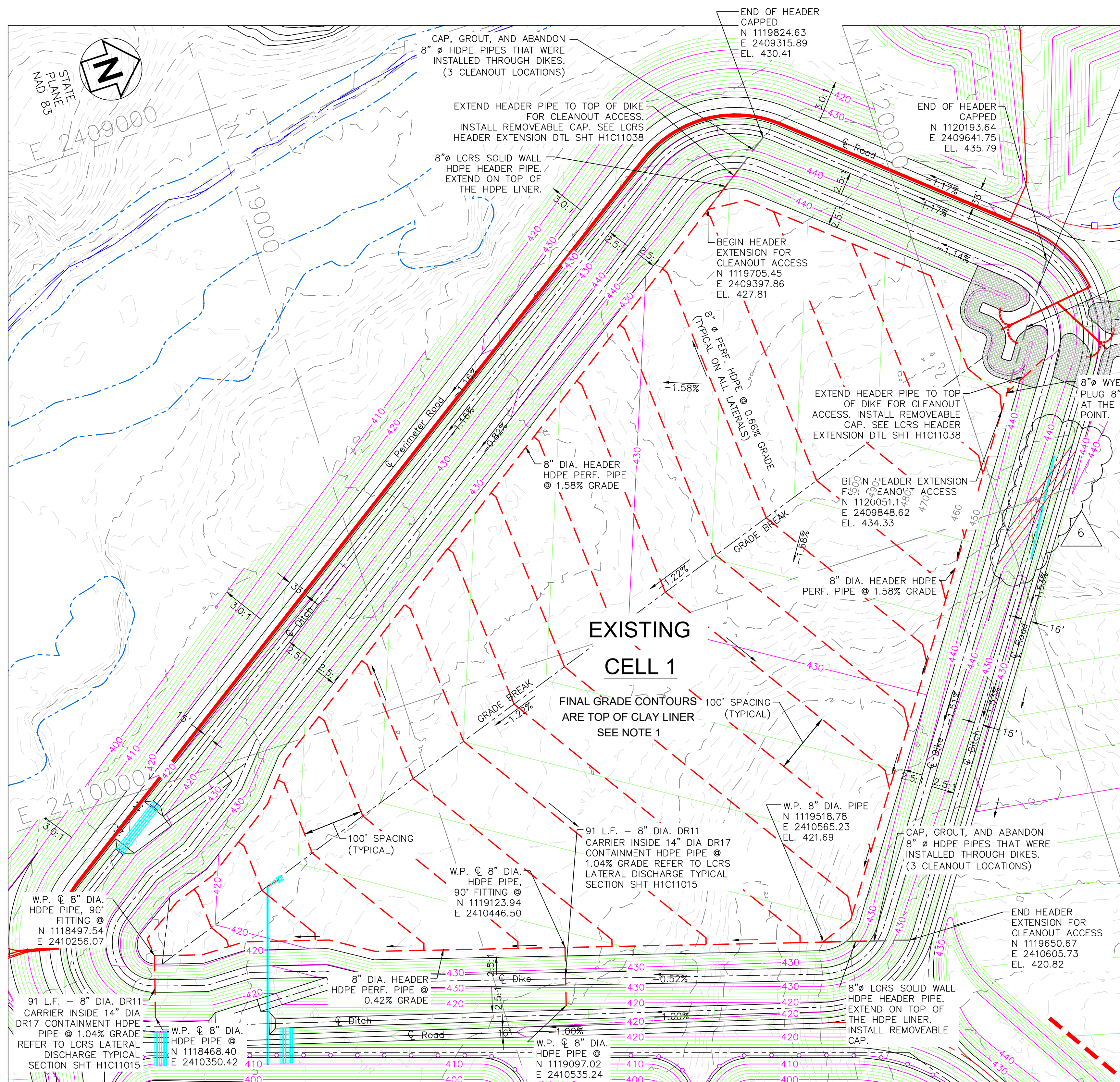
EDC

FLUME K			
POINT NO.	NORTHING	EASTING	ELEVATION
K1	1120895.790	2410114.686	467.00
K2	1120897.288	2410125.587	467.00
K3	1120978.212	2410101.124	466.77
K4	1120979.709	2410112.028	466.77
K5	1121012.703	2410095.450	444.68
K6	1121014.467	2410106.307	444.68
K7	1121073.641	2410085.423	427.58
K8	1121075.427	2410096.277	427.58

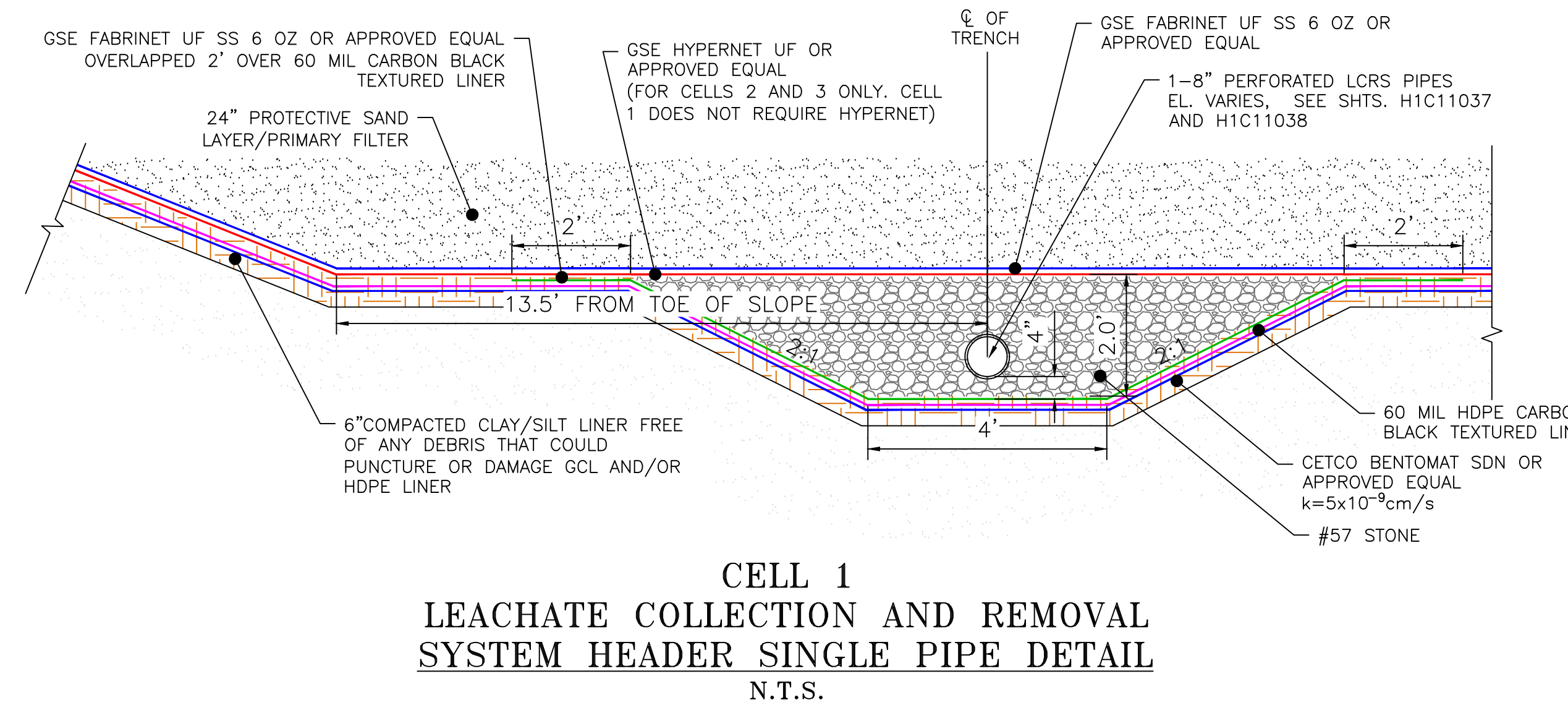
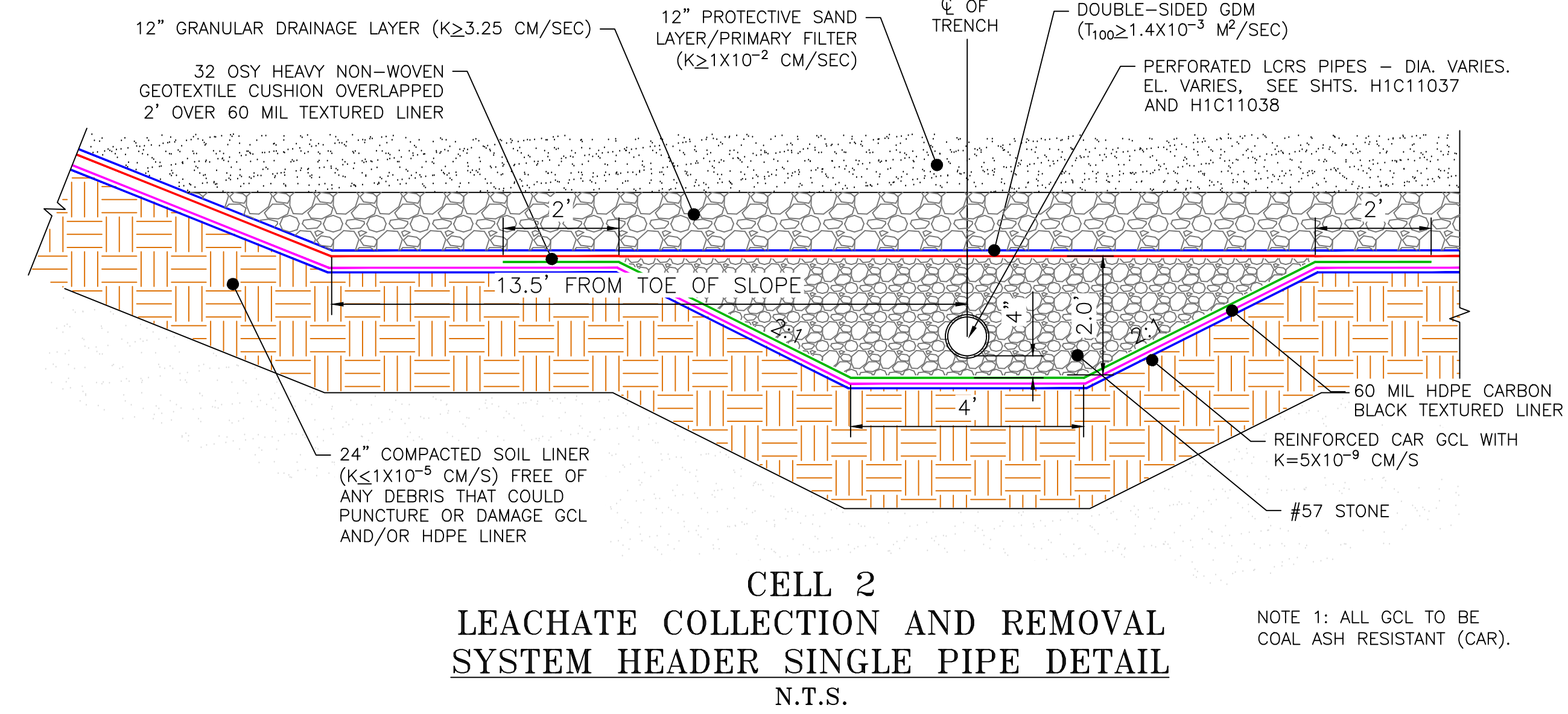
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A









H1C11015	CELL NO. 1 AND CELL NO. 2 MISCELLANEOUS SECTIONS
H1C11019	CELL NO. 1 AND CELL NO. 2 MISCELLANEOUS DETAILS
H1C11020	CELL NO. 1 AND CELL NO. 2 MISCELLANEOUS DETAILS, SHEET 3
H1C11037	CELL NO. 1 AND CELL NO. 2 LEACHATE COLLECTION AND REMOVAL SYSTEM LAYOUT

1. ALL PIPES ASSOCIATED WITH THE LEACHATE COLLECTION AND REMOVAL SYSTEM COLLECTION PIPES, HEADER PIPES, AND OUTFALL PIPES, SHALL BE SMOOTH WALL HDPE AND MAXIMUM RATED SDR-13.5. LATERAL AND HEADER PIPES SHALL BE PERFORATED. OUTFALL PIPES PENETRATING THE LINER AND RUNNING THROUGH DIKE EMBANKMENT SHALL BE DOUBLE WALL HDPE PIPE 8" DIA DR11 CARRIER INSIDE 14" DIA DR17 CONTAINMENT HDPE PIPE.
2. PERFORATIONS SHALL BE AASHTO CLASS 1 PERFORATIONS - 3 ROWS OF PERFORATIONS REQ'D (A TOTAL OF 6 PER FT OF PIPE). EACH PERFORATION SHALL BE 0.4" DIA CIRCULAR AT 60 DEGREES OFF CENTERLINE OF BOTTOM OF PIPE.
3. THESE SECTIONS REPRESENT TYPICAL CONFIGURATIONS FOR THE CELLS, PERIMETER DITCH, AND SEDIMENTATION BASINS. ACTUAL CONDITIONS WILL VARY TO INCLUDE BOTH CUT AND FILL AREAS, THEREFORE, THE SUBGRADE MATERIAL FOR THE CLAY LINER COULD CONSIST OF EITHER RESIDUAL, IN-PLACE SOILS OR GENERAL STRUCTURAL FILL. REFERENCE THE CONSTRUCTION QUALITY ASSURANCE PLAN AND THE CONSTRUCTION TECHNICAL SPECIFICATIONS FOR PROOF-ROLLING CRITERIA FOR IN-PLACE SOILS AND THE PLACEMENT AND COMPACTION CRITERIA FOR GENERAL STRUCTURAL FILL.
4. FOR COMPOSITE LINER DETAIL FOR CELLS NO. 1 AND CELL NO. 2 SEE SHEET H1C11015 AND H1C11015A.

[illegible]





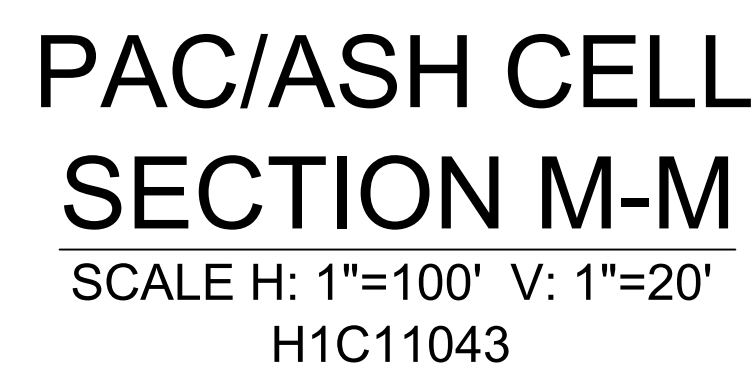




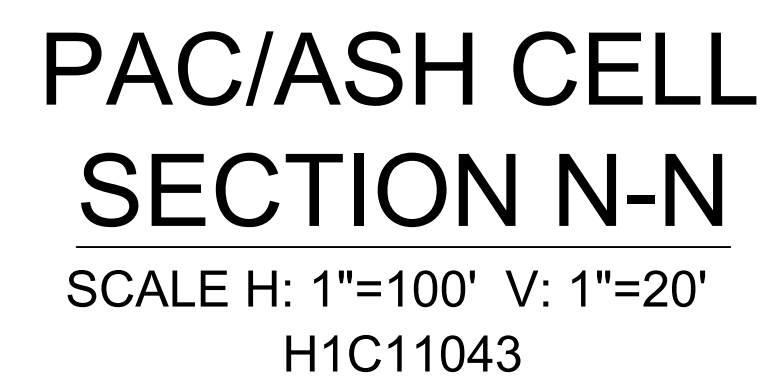




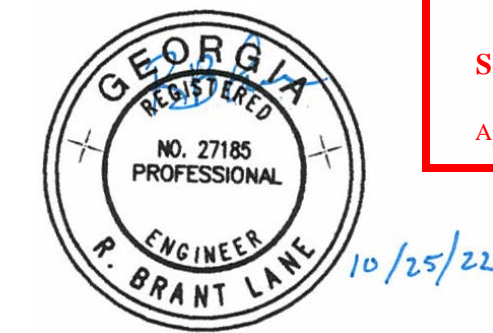




1. ALL EARTHEN STRUCTURES ARE ENGINEERED TO WITHSTAND A HORIZONTAL ACCELERATION OF 0.09g.
2. ANY IMPACT TO WETLANDS AND/OR ENCROACHMENT ON STREAM BUFFERS REQUIRES CORPS OF ENGINEERS (COE) APPROVAL. THIS APPROVAL SHALL BE OBTAINED PRIOR TO CONSTRUCTION. THE GEORGIA EPD SOLID WASTE MANAGEMENT PROGRAM AND THE 401 WATER QUALITY COORDINATOR (WATERSHED PROTECTION BRANCH) SHALL BE NOTIFIED WHEN GEORGIA POWER ENVIRONMENTAL AFFAIRS APPLIES FOR THE COE PERMIT. CONTACT GEORGIA POWER ENVIRONMENTAL AFFAIRS FOR INFORMATION AND ASSISTANCE.
3. GRID IS GEORGIA STATE PLANE NAD 83 (1994), WEST ZONE.
4. ALL EROSION CONTROL MEASURES SHALL BE IN CONFORMANCE WITH THE "MANUAL FOR EROSION AND SEDIMENT CONTROL OF GEORGIA, CURRENT EDITION.
5. THESE SECTIONS REPRESENT TYPICAL CONFIGURATIONS FOR THE CELLS, PERIMETER DITCH, AND SEDIMENTATION BASINS. ACTUAL CONDITIONS WILL VARY TO INCLUDE BOTH CUT AND FILL AREAS, THEREFORE, THE SUBGRADE MATERIAL FOR THE CLAY LINER COULD CONSIST OF EITHER RESIDUAL, IN-PLACE SOILS OR GENERAL STRUCTURAL FILL. REFERENCE THE CONSTRUCTION QUALITY ASSURANCE PLAN AND THE CONSTRUCTION TECHNICAL SPECIFICATIONS FOR PROOF-ROLLING CRITERIA FOR IN-PLACE SOILS AND THE PLACEMENT AND COMPACTION CRITERIA FOR GENERAL STRUCTURAL FILL.



- H1C11000 TITLE SHEET AND DRAWING INDEX  
H1C11048 PAC/ASH CELL MISCELLANEOUS SECTIONS  
H1C11051 PAC/ASH CELL MISCELLANEOUS SECTIONS

[illegible]



A

B

C

D

E

F

PAC/ASH CELL

FLUME A			
POINT NO.	ELEVATION	NORTHING	EASTING
A1	490.00	1120464.50	2408650.68
A2	489.98	1120466.32	2408661.53
A3	480.00	1120434.91	2408656.03
A4	480.00	1120436.73	2408666.88
A5	460.50	1120351.26	2408671.15
A6	460.50	1120353.09	2408682.00
A7	445.39	1120270.96	2408683.58
A8	445.39	1120272.78	2408694.43
A9	445.39	1120236.93	2408689.30
A10	445.39	1120238.75	2408700.14

FLUME B			
POINT NO.	ELEVATION	NORTHING	EASTING
B1	490.01	1120418.88	2408359.09
B2	489.21	1120412.71	2408368.27
B3	480.01	1120391.57	2408341.06
B4	480.12	1120385.40	2408350.24
B5	460.52	1120290.16	2408297.95
B6	460.51	1120287.22	2408308.35
B7	445.39	1120208.30	2408274.87
B8	0.00	1120204.42	2408285.18
B9	890.78	1120169.65	2408263.97
B10	445.39	1120166.57	2408274.56

FLUME C			
POINT NO.	ELEVATION	NORTHING	EASTING
C1	460.50	1120443.99	2408135.81
C2	460.50	1120434.39	2408141.20
C3	472.15	1120410.63	2408082.14
C4	461.00	1120400.36	2408086.46
C5	11.15	1120391.85	2408050.89
C6	461.00	1120382.31	2408057.43

FLUME D			
POINT NO.	ELEVATION	NORTHING	EASTING
D1	460.50	1120564.13	2408191.26
D2	460.50	1120566.24	2408202.05
D3	452.86	1120612.54	2408181.39
D4	452.84	1120614.74	2408192.17
D5	501.15	1120645.60	2408174.93
D6	55.11	1120647.79	2408185.71

FLUME E			
POINT NO.	ELEVATION	NORTHING	EASTING
E1	489.88	1120495.55	2408439.76
E2	489.99	1120497.75	2408450.54
E3	480.12	1120524.67	2408434.06
E4	480.10	1120526.87	2408444.84
E5	460.62	1120608.09	2408417.73
E6	460.60	1120610.28	2408428.50
E7	486.04	1120660.47	2408406.16
E8	40.00	1120662.66	2408416.94
E9	530.65	1120693.52	2408399.70
E10	84.61	1120695.72	2408410.48

FLUME F			
POINT NO.	ELEVATION	NORTHING	EASTING
F1	490.00	1120554.88	2408742.53
F2	489.99	1120557.03	2408753.32
F3	480.12	1120583.96	2408736.84
F4	480.10	1120586.15	2408747.62
F5	460.62	1120667.37	2408720.51
F6	460.60	1120669.57	2408731.28
F7	451.58	1120719.75	2408708.94
F8	451.55	1120721.95	2408719.72
F9	530.65	1120752.80	2408702.48
F10	84.61	1120755.00	2408713.26

FLUME G			
POINT NO.	ELEVATION	NORTHING	EASTING
G1	489.88	1120593.24	2408963.87
G2	489.83	1120586.40	2408973.07
G3	480.00	1120628.58	2408992.70
G4	480.00	1120621.71	2409001.87
G5	460.51	1120730.43	2409076.38
G6	460.50	1120723.16	2409084.68
G7	0.00	1120802.20	2409134.94
G8	−445.39	1120795.63	2409143.78
G9	0.00	1120846.47	2409171.05
G10	−445.39	1120838.46	2409178.71

FLUME H			
POINT NO.	ELEVATION	NORTHING	EASTING
H1	489.62	1120521.99	2408969.42
H2	489.78	1120530.59	2408976.27
H3	480.02	1120497.69	2408999.91
H4	480.01	1120506.38	2409006.65
H5	460.51	1120427.55	2409087.92
H6	460.50	1120437.26	2409093.39
H7	0.00	1120356.27	2409177.16
H8	−445.39	1120366.15	2409182.62
H9	445.39	1120325.94	2409215.40
H10	0.00	1120334.55	2409222.26

BENCH			
POINT NO.	ELEVATION	NORTHING	EASTING
HP1	480.40	1120405.31	2408492.83
HP2	480.40	1120464.41	2408830.31
HP3	480.35	1120556.71	2409008.53
HP4	480.31	1120610.88	2408869.37
HP5	480.38	1120555.41	2408590.84
HP6	480.20	1120477.64	2408290.66
HP7	480.20	1120447.85	2408287.43
HP8	460.93	1120320.09	2408498.89
HP9	460.98	1120384.64	2408865.10
HP10	460.80	1120558.61	2409093.51
HP11	460.93	1120703.69	2408902.92
HP12	460.88	1120639.15	2408574.44
HP13	460.78	1120587.16	2408309.89
HP14	460.65	1120519.68	2408155.14
HP15	460.75	1120367.94	2408213.31



																																								Southern Company Services, Inc. Copyright © Southern Company Services, Inc. All Rights Reserved										Southern Company Generation Engineering and Construction Services FOR																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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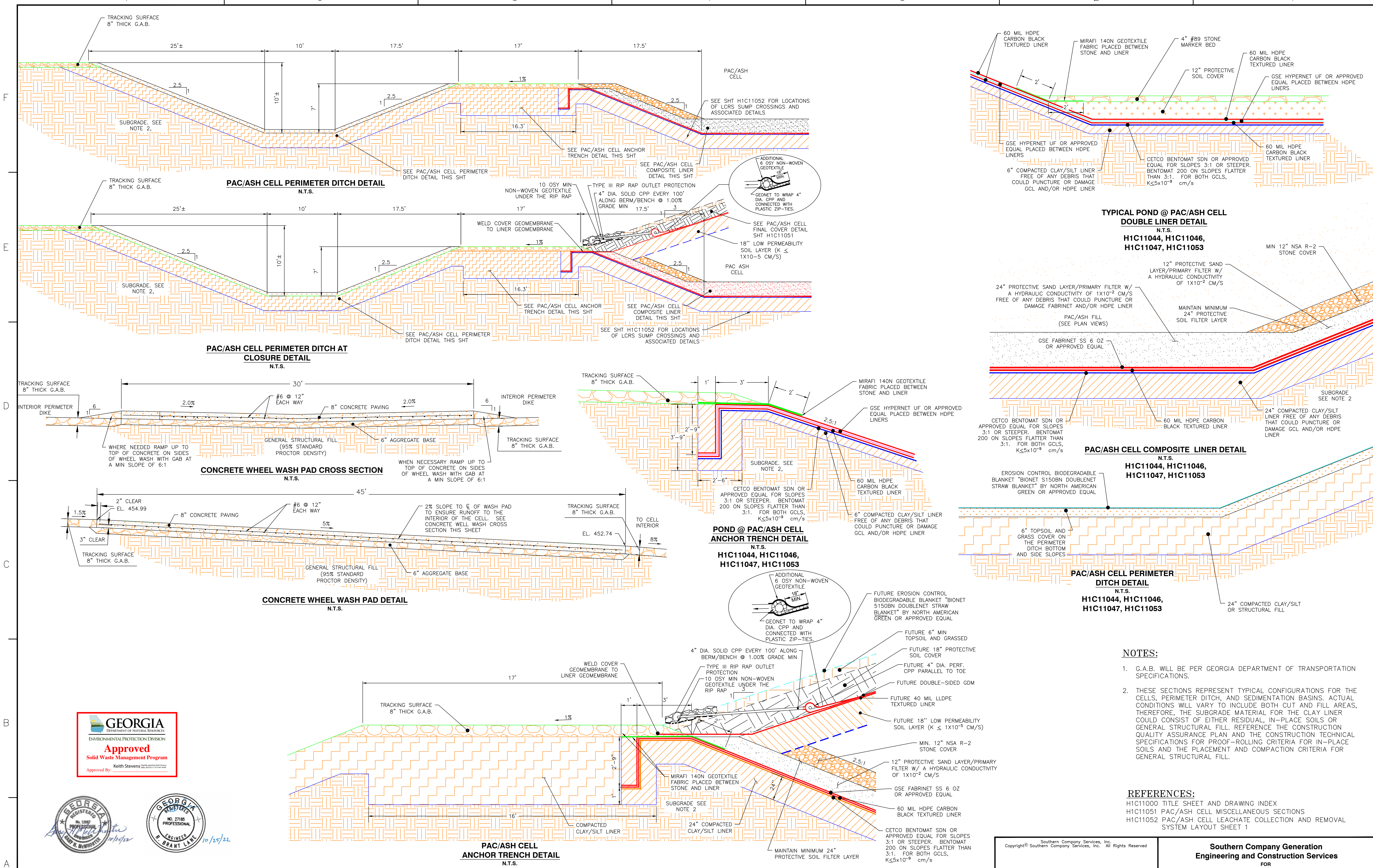






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- NOTES:**
- G.A.B. WILL BE PER GEORGIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.
  - THESE SECTIONS REPRESENT TYPICAL CONFIGURATIONS FOR THE CELLS, PERIMETER DITCH, AND SEDIMENTATION BASINS. ACTUAL CONDITIONS WILL VARY TO INCLUDE BOTH CUT AND FILL AREAS. THEREFORE, THE SUBGRADE MATERIAL FOR THE CLAY LINER COULD CONSIST OF EITHER RESIDUAL, IN-PLACE SOILS OR GENERAL STRUCTURAL FILL. REFERENCE THE CONSTRUCTION QUALITY ASSURANCE PLAN AND THE CONSTRUCTION TECHNICAL SPECIFICATIONS FOR PROOF-ROLLING CRITERIA FOR IN-PLACE SOILS AND THE PLACEMENT AND COMPACTION CRITERIA FOR GENERAL STRUCTURAL FILL.

- REFERENCES:**
- H1C11000 TITLE SHEET AND DRAWING INDEX
  - H1C11051 PAC/ASH CELL MISCELLANEOUS SECTIONS
  - H1C11052 PAC/ASH CELL LEACHATE COLLECTION AND REMOVAL SYSTEM LAYOUT SHEET 1

Southern Company Services, Inc. Copyright© Southern Company Services, Inc. All Rights Reserved							Southern Company Generation Engineering and Construction Services FOR						
REVISION 0				DATE 10-24-2022			Georgia Power Company						
CCR LANDFILL PERMIT APPLICATION [BY HHNT, INC.]							PLANT SCHERER COAL COMBUSTION RESIDUALS (CCR) LANDFILL PAC/ASH CELL MISCELLANEOUS SECTIONS & DETAILS SHEET 3						
BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR	SCALE	PROJ I.D.	DRAWING NUMBER		SHEET	CONTD	REV
ANR		RBL					AS NOTED	010505	H1C11048		1	FINAL	0

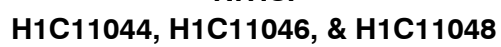
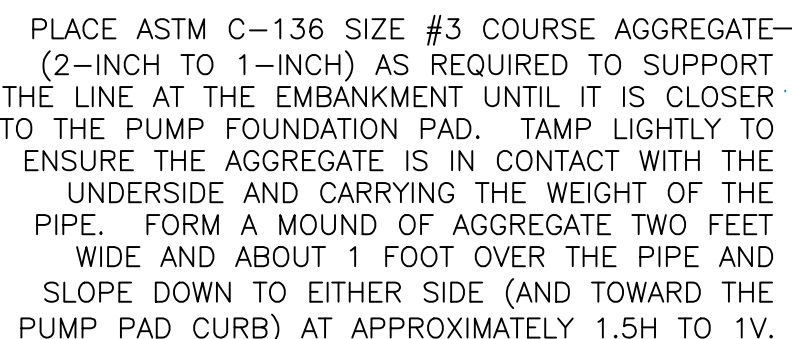








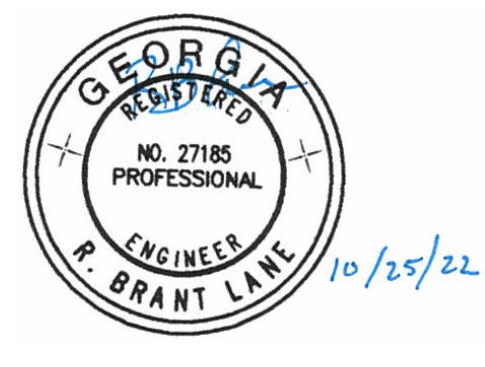




1. G.A.B. WILL BE PER GEORGIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.
2. THESE SECTIONS REPRESENT TYPICAL CONFIGURATIONS FOR THE CELLS, PERIMETER DITCH, AND SEDIMENTATION BASINS. ACTUAL CONDITIONS WILL VARY TO INCLUDE BOTH CUT AND FILL AREAS, THEREFORE, THE SUBGRADE MATERIAL FOR THE CLAY LINER COULD CONSIST OF EITHER RESIDUAL, IN-PLACE SOILS OR GENERAL STRUCTURAL FILL. REFERENCE THE CONSTRUCTION QUALITY ASSURANCE PLAN AND THE CONSTRUCTION TECHNICAL SPECIFICATIONS FOR PROOF-ROLLING CRITERIA FOR IN-PLACE SOILS AND THE PLACEMENT AND COMPACTION CRITERIA FOR GENERAL STRUCTURAL FILL.



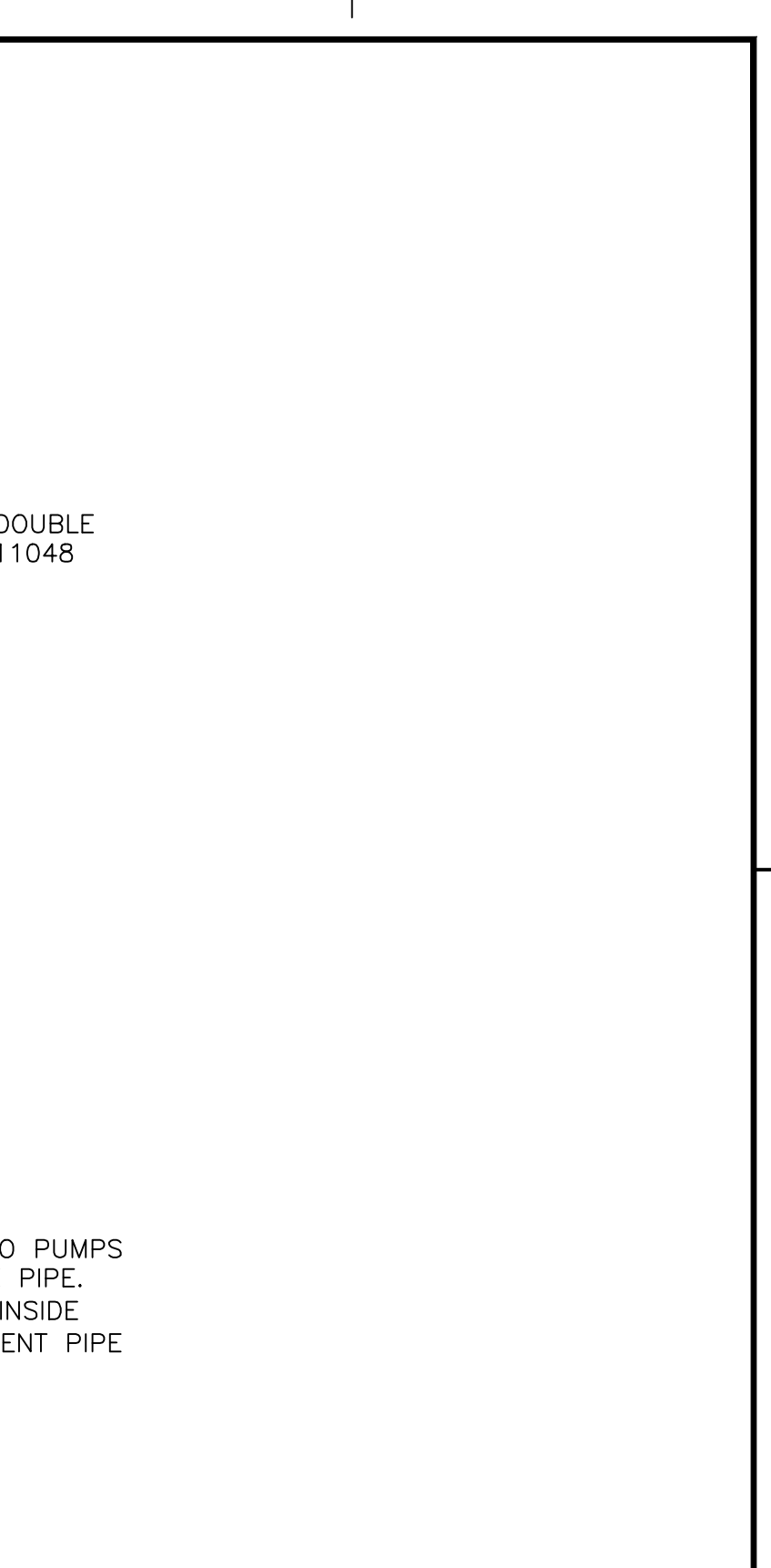
H1C11000 - TITLE SHEET & DRAWING INDEX  
H1C11048 - PAC/ASH CELL MISCELLANEOUS SECTIONS AND DETAILS, SHEET 3  
H1C11050 - PAC/ASH CELL MISCELLANEOUS SECTIONS AND DETAILS, SHEET 5  
H1C11053 - PAC/ASH CELL RUNOFF WATER INTAKE PLAN & SECTIONS

Acad2004

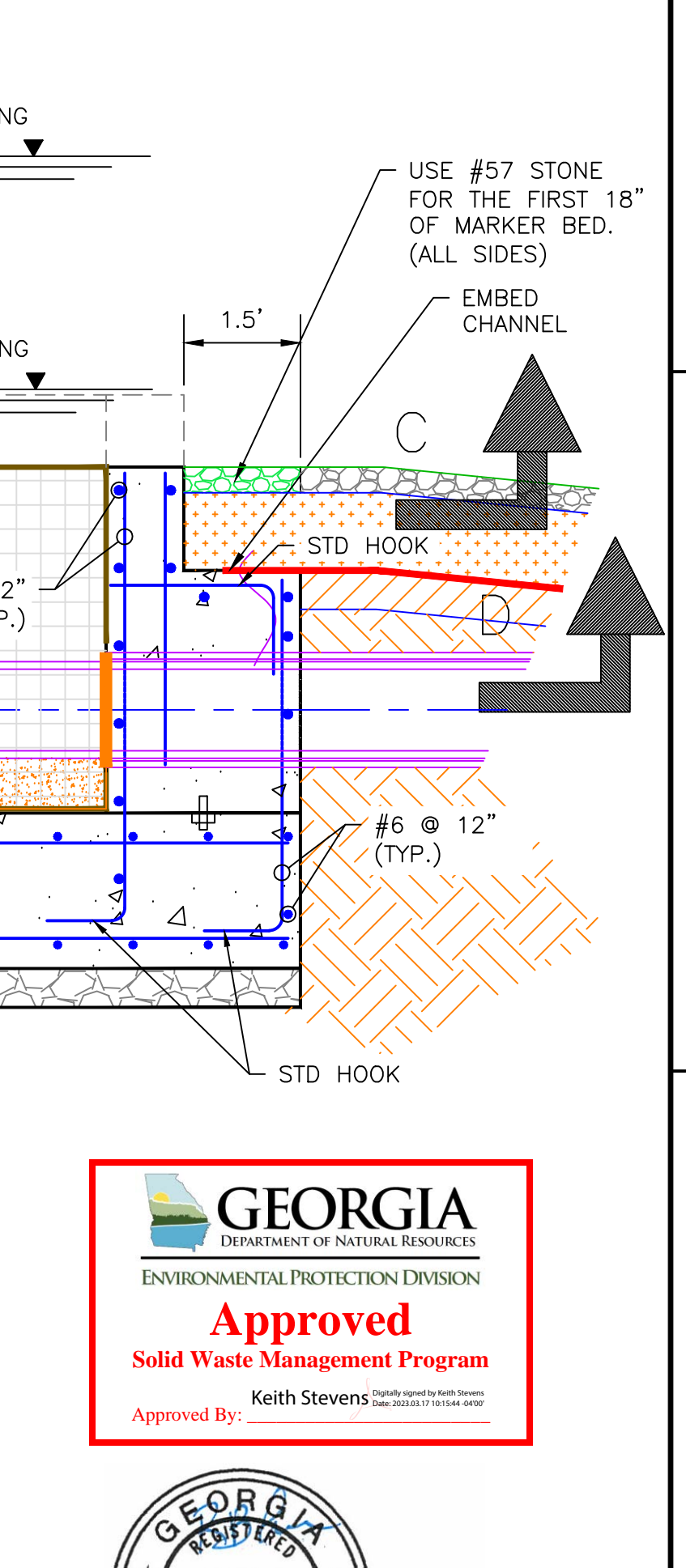








**SECTION A-A**  
1" = 2'



**CLEAR POOL RUNOFF WATER INTAKE  
SUMP FOUNDATION REINFORCEMENT PLAN  
THROUGH SECTION D-D**  
**1" = 2'**

- # SECTION B-B

---

1" = 2'



**GEORGIA**  
DEPARTMENT OF NATURAL RESOURCES  
ENVIRONMENTAL PROTECTION DIVISION

Approved

Solid Waste Management Program

Approved By: Keith Stevens Signing Agent for Keith Stevens  
Reg. No. 27185 01/15/2016 to 01/15/2018




ANSI F: 40x28 Acad2004



F

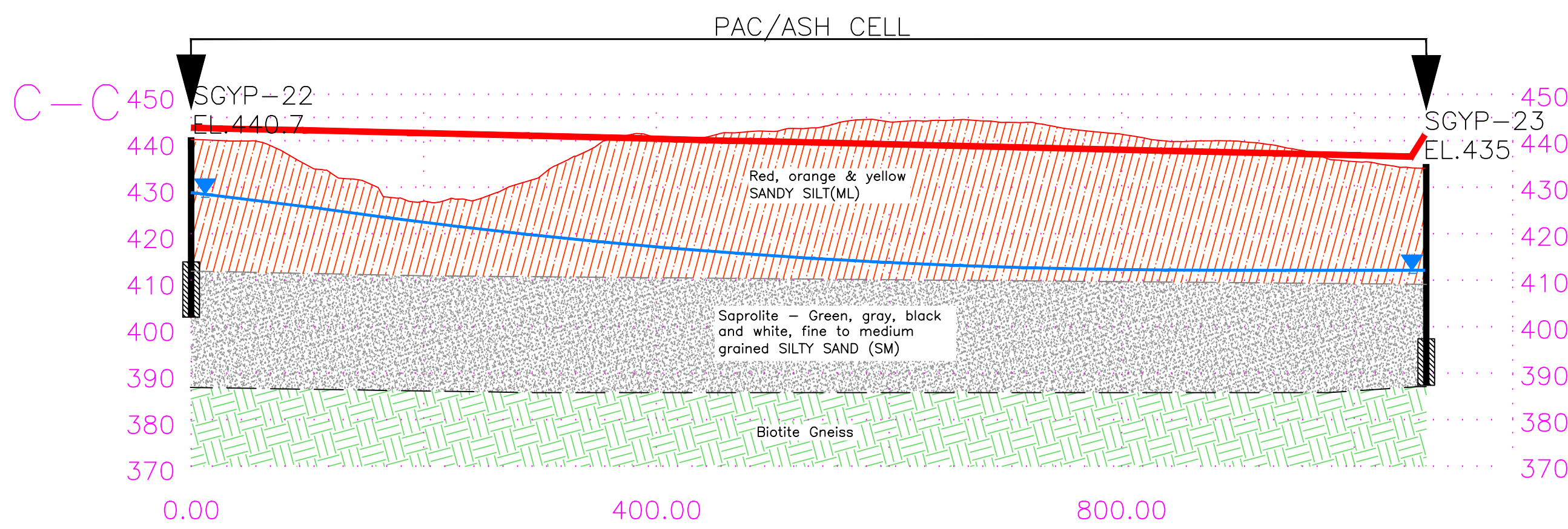
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D

C

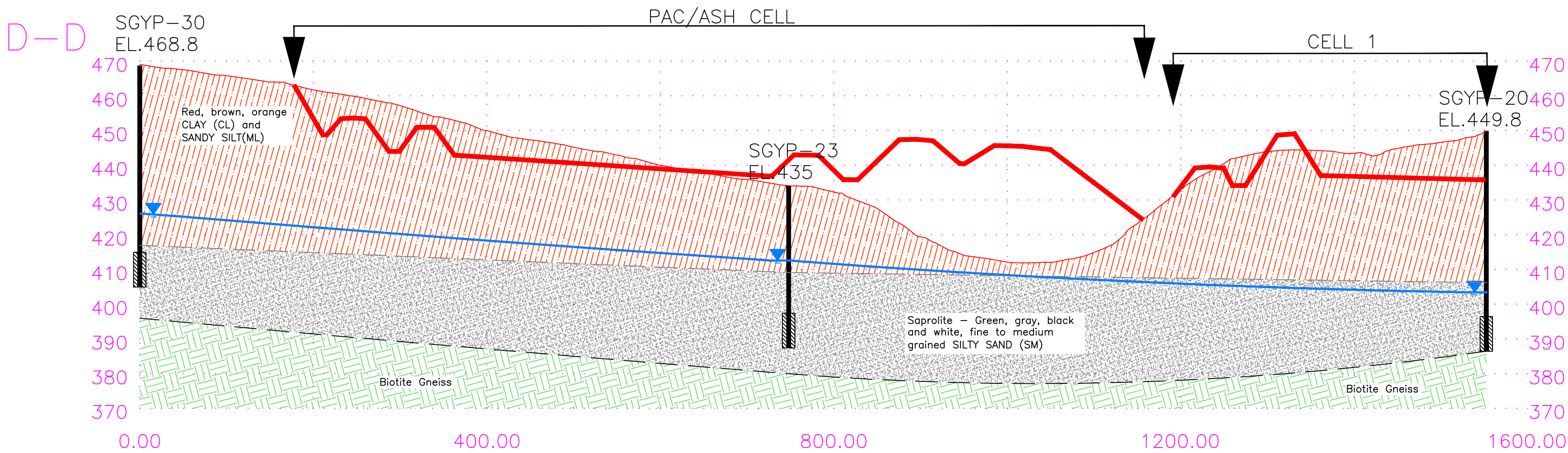
B

A



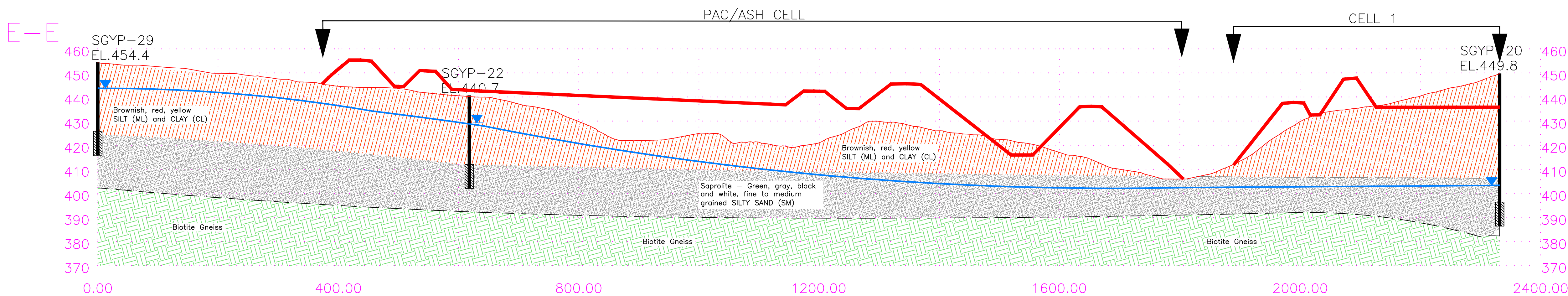
SECTION C-C'

SCALE:  
1"=25' VERT  
1"=100' HORZ



SECTION D-D'

SCALE:  
1"=25' VERT  
1"=100' HORZ



SECTION E-E'

SCALE:  
1"=25' VERT  
1"=100' HORZ

LEGEND:

- HIGH WATER ELEVATIONS
- BASE GRADE OF WASTE DISPOSAL CELLS



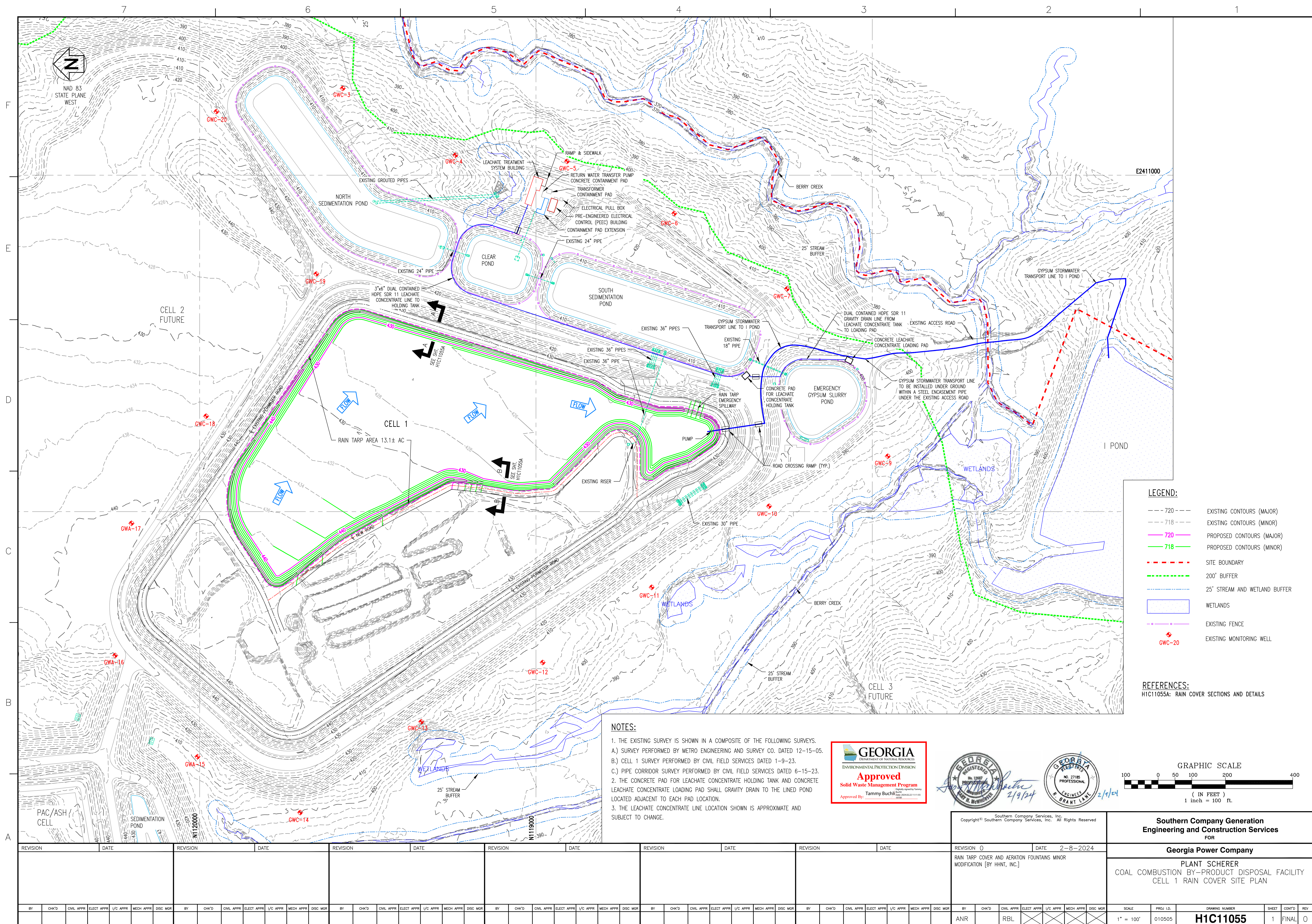
The information provided on this drawing was originally prepared by qualified groundwater scientists at Southern Company Generation Engineering and Construction Services in April 2010 in support of the Industrial Solid Waste Permit 102-009D(LI). The drawing was subsequently modified with final approval from EPD occurring in May 2011. All noted submittals were sealed by a professional engineer and professional geologist licensed in the state of Georgia. The information on this sheet is provided for reference only and has not been amended by Hodges, Harbin, Newberry and Tribble, Inc. or Bunnell Lammons Engineering, Inc.



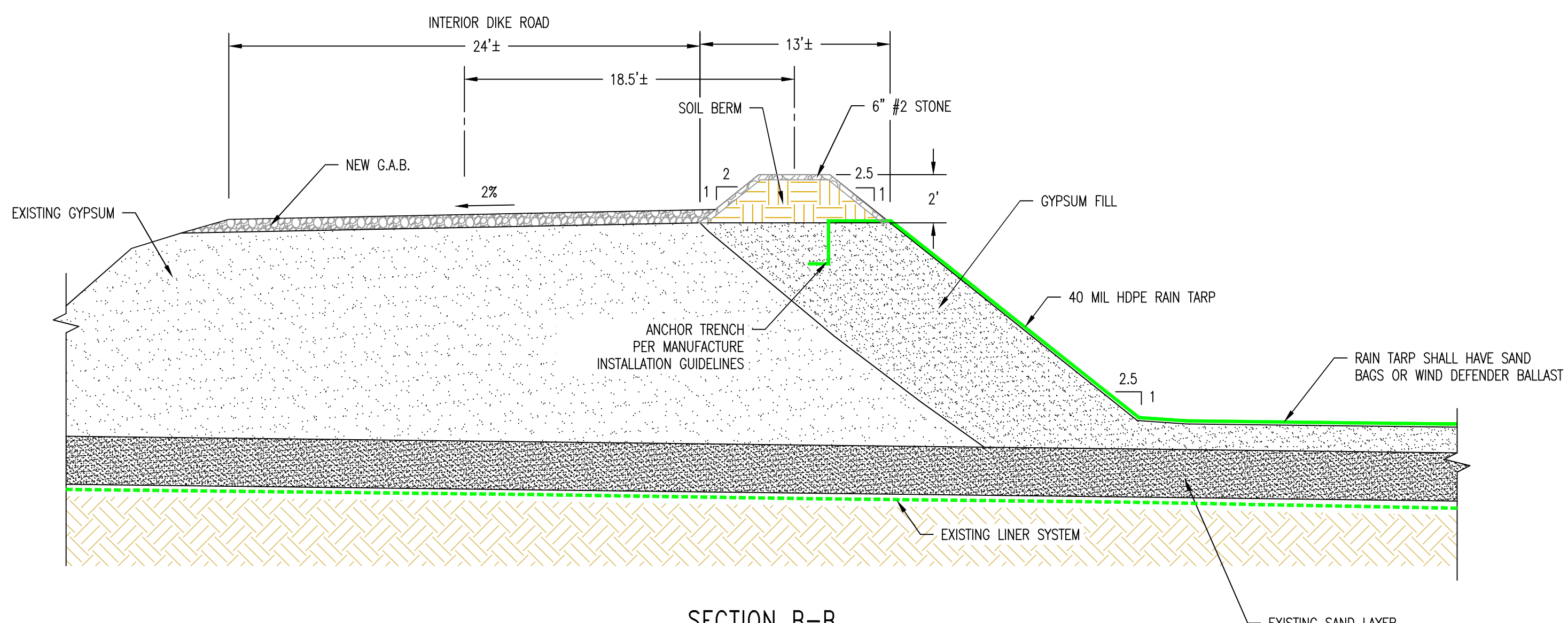
REVISION		DATE		REVISION		DATE		REVISION		DATE	
BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR		BY	CHK'D	CIVIL APPR	ELECT APPR

Southern Company Services, Inc. Copyright© Southern Company Services, Inc. All Rights Reserved		REVISION 0		DATE 10-24-2022	
CCR LANDFILL PERMIT APPLICATION [BY HHNT, INC.]		Southern Company Generation Engineering and Construction Services FOR		Georgia Power Company	
		PLANT SCHERER COAL PAC/ASH CELL COMBUSTION BY-PRODUCT DISPOSAL FACILITY, GEOLOGIC SECTIONS C-C', D-D' AND E-E'			
SCALE	PROJ ID	DRAWING NUMBER	SHEET	CONTD	REV
AS SHOWN	010505	H1C11054	1	FINAL	0

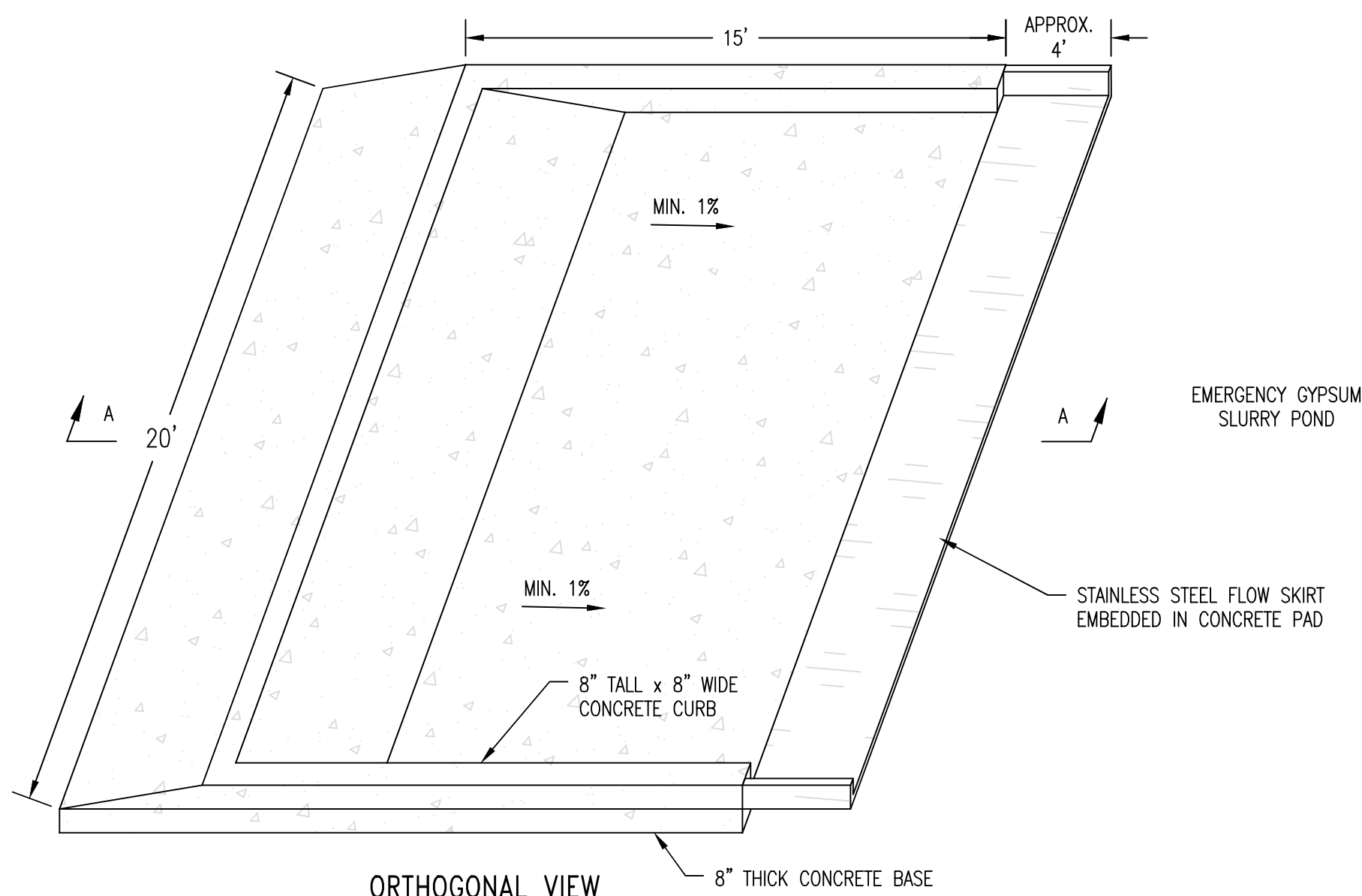
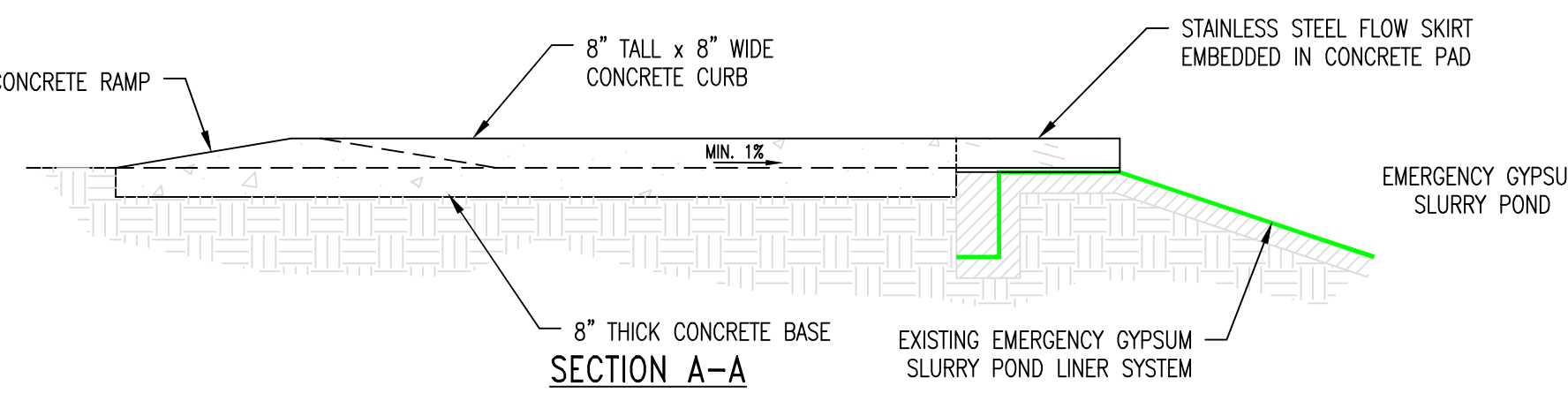




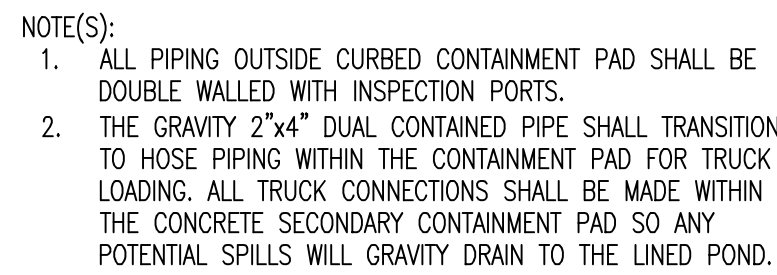




SECTION B-B  
N.T.S.  
SEE SHT. H1C11055

ORTHOGONAL VIEW

SECTION A-A



CONCRETE LEACHATE  
CONCENTRATE LOADING PAD  
N.T.S.  
SEE SHT. H1C11055

**NOTES:**  
1. RAIN TARP SHALL BE HANDLED, INSTALLED, AND ANCHORED IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS AND GUIDELINES.

**REFERENCES:**

H1C11015	CELL NO. 1 AND CELL NO. 2 MISCELLANEOUS SECTIONS
H1C11019	CELL NO. 1 AND CELL NO. 2 MISCELLANEOUS DETAILS
H1C11055	CELL 1 RAIN COVER SITE PLAN



ANSI F: 40x28      Acad2008

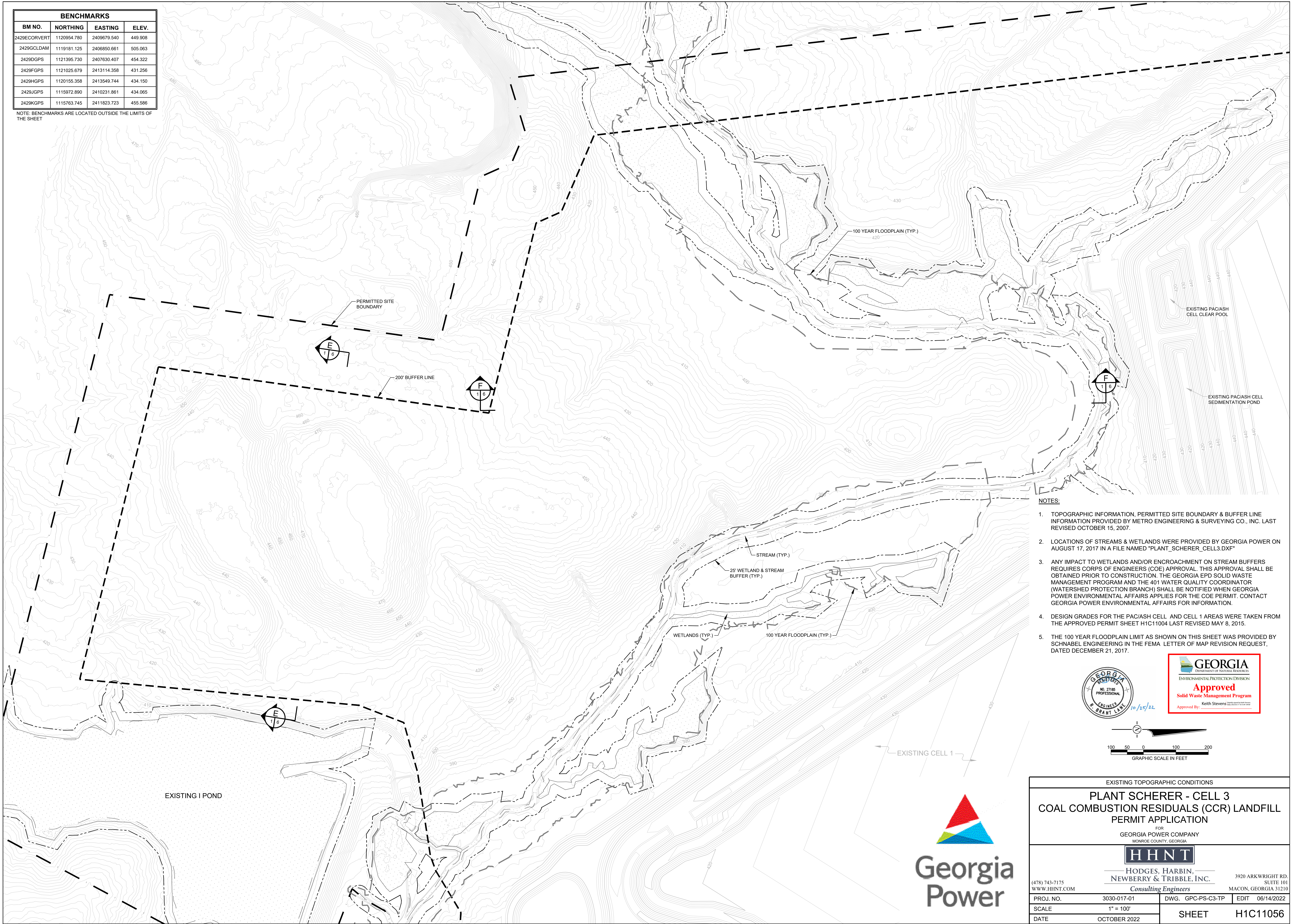




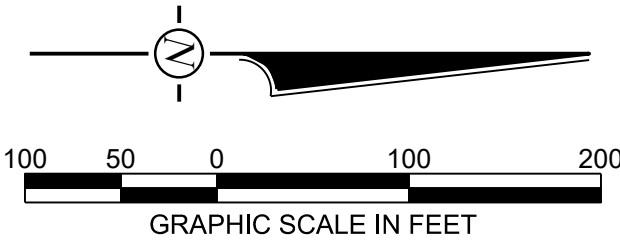


BENCHMARKS			
BM NO.	NORTHING	EASTING	ELEV.
2429ECORVERT	1120954.780	2409679.540	449.908
2429GCLDAM	1119181.125	2409850.661	505.063
2429DGPS	1121395.730	2407630.407	454.322
2429FGPS	1121025.679	2413114.358	431.256
2429HGPS	1120155.358	2413549.744	434.150
2429JGPS	1115972.890	2410231.861	434.065
2429KGPS	1115763.745	2411823.723	455.586

NOTE: BENCHMARKS ARE LOCATED OUTSIDE THE LIMITS OF THE SHEET



- NOTES:
1. TOPOGRAPHIC INFORMATION, PERMITTED SITE BOUNDARY & BUFFER LINE INFORMATION PROVIDED BY METRO ENGINEERING & SURVEYING CO., INC. LAST REVISED OCTOBER 15, 2007.
  2. LOCATIONS OF STREAMS & WETLANDS WERE PROVIDED BY GEORGIA POWER ON AUGUST 17, 2017 IN A FILE NAMED "PLANT\_SCHERER\_CELL3.DXF"
  3. ANY IMPACT TO WETLANDS AND/OR ENCROACHMENT ON STREAM BUFFERS REQUIRES CORPS OF ENGINEERS (COE) APPROVAL. THIS APPROVAL SHALL BE OBTAINED PRIOR TO CONSTRUCTION. THE GEORGIA EPD SOLID WASTE MANAGEMENT PROGRAM AND THE 401 WATER QUALITY COORDINATOR (WATERSHED PROTECTION BRANCH) SHALL BE NOTIFIED WHEN GEORGIA POWER ENVIRONMENTAL AFFAIRS APPLIES FOR THE COE PERMIT. CONTACT GEORGIA POWER ENVIRONMENTAL AFFAIRS FOR INFORMATION.
  4. DESIGN GRADES FOR THE PAC/ASH CELL AND CELL 1 AREAS WERE TAKEN FROM THE APPROVED PERMIT SHEET H1C11004 LAST REVISED MAY 8, 2015.
  5. THE 100 YEAR FLOODPLAIN LIMIT AS SHOWN ON THIS SHEET WAS PROVIDED BY SCHNABEL ENGINEERING IN THE FEMA LETTER OF MAP REVISION REQUEST, DATED DECEMBER 21, 2017.



EXISTING TOPOGRAPHIC CONDITIONS		
PLANT SCHERER - CELL 3 COAL COMBUSTION RESIDUALS (CCR) LANDFILL PERMIT APPLICATION		
FOR GEORGIA POWER COMPANY MONROE COUNTY, GEORGIA		
<b>HHNT</b> HODGES, HARBIN, NEWBERRY & TRIBBLE, INC. Consulting Engineers		
(478) 743-7175 WWW.HHNT.COM	3920 ARKWRIGHT RD. SUITE 101 MACON, GEORGIA 31210	
PROJ. NO. 3030-017-01	DWG. GPC-PS-C3-TP	EDIT 06/14/2022
SCALE 1" = 100'	SHEET H1C11056	
DATE OCTOBER 2022		



BENCHMARKS			
BM NO.	NORTHING	EASTING	ELEV.
2428CONVERT	1120954.780	2406678.540	448.908
2428SOL DAM	1119181.125	2406850.861	505.983
2428GPS	1121966.730	2407630.407	454.322
2428GPS	1121035.579	2413114.338	421.256
2428GPS	1120155.368	2413495.744	424.150
2428GPS	1119972.890	2410231.881	434.385
2428GPS	1115763.745	2416223.723	405.586

NOTE: BENCHMARKS ARE LOCATED OUTSIDE THE LIMITS OF THE SHEET

## DRAINAGE STRUCTURES

PIPE NO.	SIZE	LENGTH	SLOPE	MATERIAL	INLET INV.	OUTLET INV.
101	30"	131'	0.44%	HDPE	440.55	439.88
102	4'-36"	56'	0.71%	HDPE	413.50	413.10
103	4'-36"	56'	0.71%	HDPE	413.50	413.10
200	36"	147'	8.84%	HDPE	405.00	392.00
T1	2'-48"	100'	0.00%	HDPE	SEE NOTE	SEE NOTE

\*PIPE WILL BE POSITIONED AT THE TOP OF RAIN COVER

HEADWALL NO.	INVERT
200	392.00

## NON-LEACHATE STORMWATER POND DATA

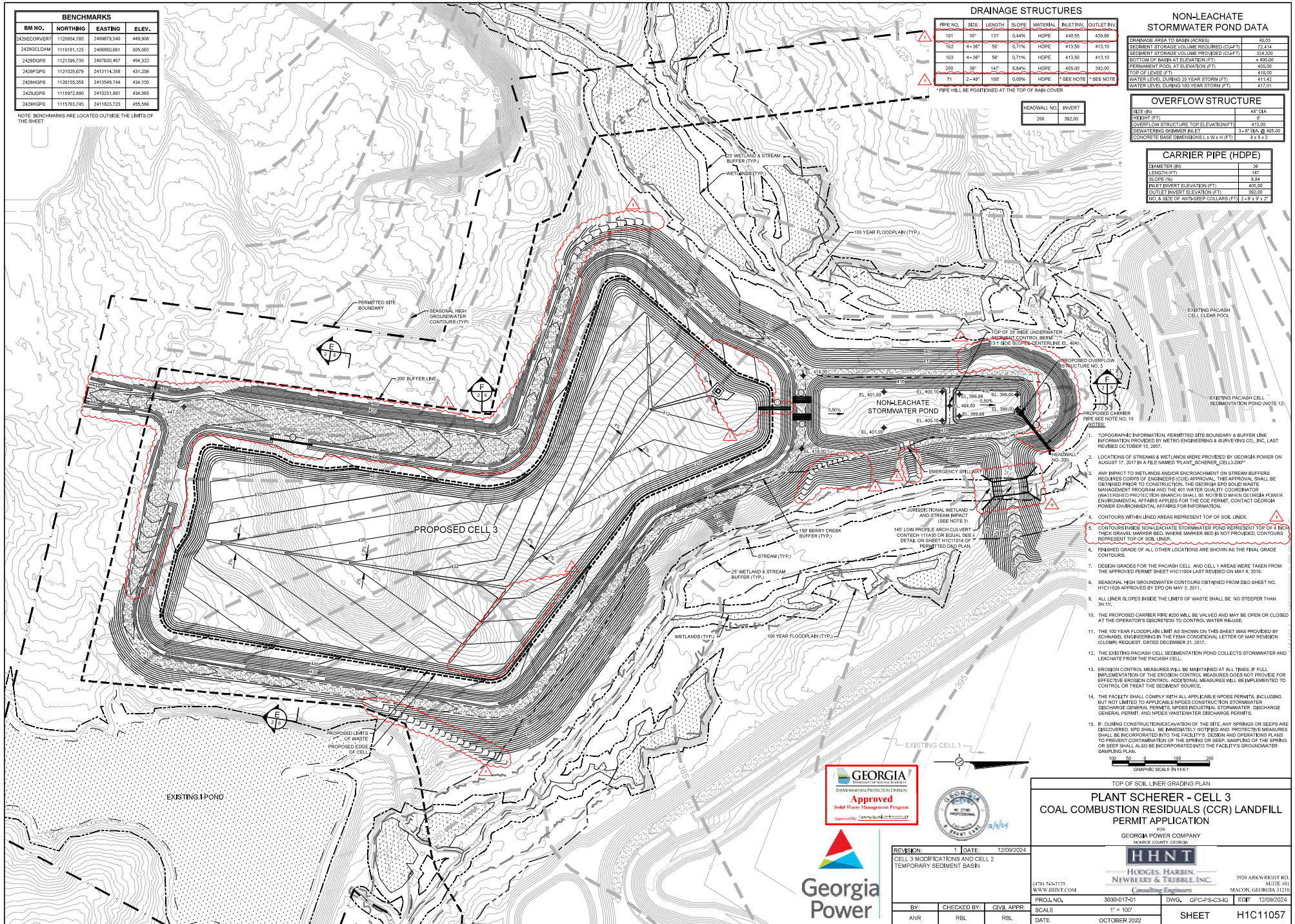
DRAINAGE AREA TO BASIN (ACRES)	40.00
SEDIMENT STORAGE VOLUME REQUIRED (CUFT)	72,414
SEDIMENT STORAGE VOLUME PROVIDED (CUFT)	324,320
BOTTOM OF BASIN AT ELEVATION (FT)	410.000
PERMANENT POOL AT ELEVATION (FT)	405.000
TOP OF LEVEE (FT)	418.00
WATER LEVEL DURING 25 YEAR STORM (FT)	413.92
WATER LEVEL DURING 100 YEAR STORM (FT)	417.01

## OVERFLOW STRUCTURE

SIZE (IN)	48" DIA
HEIGHT (FT)	140
OUTLET LOW STRUCTURE TOP ELEVATION (FT)	410.50
OUTLET HIGH STRUCTURE TOP ELEVATION (FT)	410.50
CONCRETE BASE DIMENSIONS L x W x H (FT)	3'-0" DIA @ 405.00
CONCRETE BASE DIMENSIONS L x W x H (FT)	8'-0" x 8'-0"

## CARRIER PIPE (HDPE)

DIAMETER (IN)	36"
LENGTH (FT)	147
SLOPE (%)	8.84
INLET INVERT ELEVATION (FT)	405.00
OUTLET INVERT ELEVATION (FT)	392.00
NO. & SIZE OF ANTI-SLOP COLLARS (FT)	2 - 9' x 9' x 2'



REVISION:	1	DATE:	12/09/2024
CELL 3 MODIFICATIONS AND CELL 2 TEMPORARY SEDIMENT BASIN			
BY:	CHECKED BY:	CIVIL APPR:	
ANR	RBL	RBL	

TOP OF SOIL LINER GRADING PLAN

**PLANT SCHERER - CELL 3**

**COAL COMBUSTION RESIDUALS (CCR) LANDFILL**

**PERMIT APPLICATION**

FOR

GEORGIA POWER COMPANY

MONROE COUNTY, GEORGIA

**HHNT**

HODGES, HARBEN, NEWBERRY & TRISSEL, INC.

4781 745-7175

WWW.HHNT.COM

3030-017-01

1" = 100'

OCTOBER 2022

DWG. GPC-PS-C3-4G

EDT 12/09/2024

SHEET H1C11057

3029 ARKWRIGHT RD. SUITE 101 MACON, GEORGIA 31210



BENCHMARKS			
BM NO.	NORTHING	EASTING	ELEV.
2428COCURV1	1120954.700	2409879.540	448.908
2428COLDAM	1119181.125	2408950.861	585.063
2428GOPS	1121985.730	2407630.407	454.322
2428GOPS	1121025.879	2413114.368	421.356
2428GOPS	1120155.368	2413485.744	424.150
2428GOPS	1119972.890	2410231.861	434.985
2428GOPS	1115763.745	2411823.723	403.586

NOTE: BENCHMARKS ARE LOCATED OUTSIDE THE LIMITS OF THE SHEET.

#### LEACHATE COLLECTION SYSTEM DATA

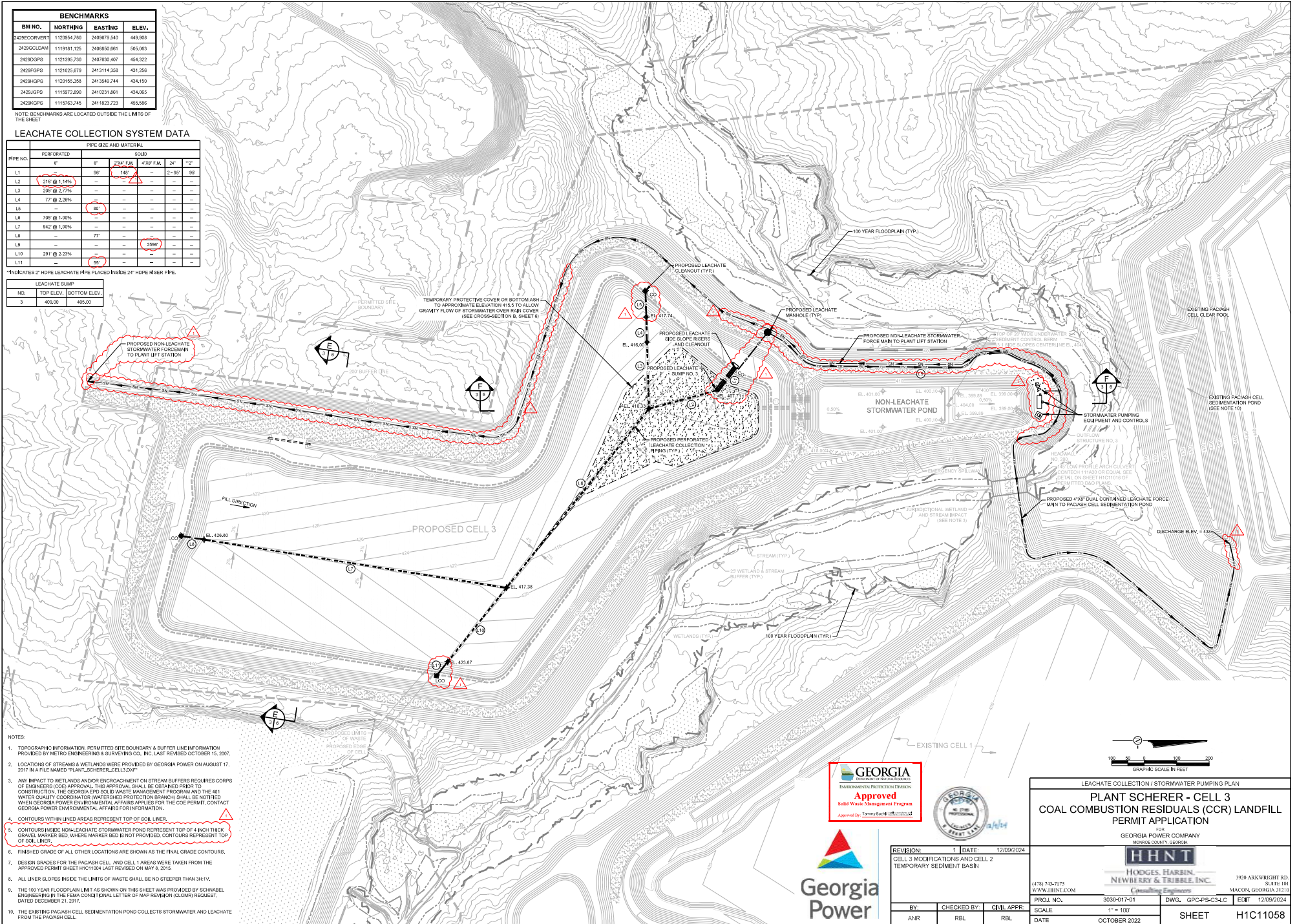
PIPE NO.	PERFORATED	PIPE SIZE AND MATERIAL			
		8"	12"	18"	24"
L1	216 @ 1.54%	90	144	4" 30' F.M.	2-90' 90'
L2	216 @ 1.54%	---	---	---	---
L3	216 @ 2.77%	---	---	---	---
L4	77 @ 2.36%	---	---	---	---
L5	---	80	---	---	---
L6	795 @ 1.00%	---	---	---	---
L7	942 @ 1.00%	---	---	---	---
L8	---	77	---	---	---
L9	---	---	2000	---	---
L10	291 @ 2.23%	---	---	---	---
L11	---	80	---	---	---

\*INDICATES 2" HOPE LEACHATE PIPE PLACED INSIDE 24" HOPE RISER PIPE.

LEACHATE SUMP	
NO.	TOP ELEV. BOTTOM ELEV.
3	409.00 405.00

#### NOTES

1. TOPOGRAPHIC INFORMATION, PERMITTED SITE BOUNDARY & BUFFER LINE INFORMATION PROVIDED BY METRO ENGINEERING & SURVEYING CO., INC. LAST REVISED OCTOBER 15, 2007.
2. LOCATIONS OF STREAMS & WETLANDS WERE PROVIDED BY GEORGIA POWER ON AUGUST 17, 2017 IN A FILE NAMED "PLANT\_SCHERER\_CELL3.DWG".
3. ANY IMPACT TO WETLANDS AND/OR ENCROACHMENT ON STREAM BUFFERS REQUIRES CORPS OF ENGINEERS (COE) APPROVAL. THIS APPROVAL SHALL BE OBTAINED PRIOR TO CONSTRUCTION. THE GEORGIA EPIC SOLID WASTE MANAGEMENT PROGRAM AND THE 401 WATER QUALITY COORDINATOR (WATERBESHED PROTECTION BRANCH) SHALL BE NOTIFIED WHEN GEORGIA POWER ENVIRONMENTAL AFFAIRS APPLIES FOR THE COE PERMIT. CONTACT GEORGIA POWER ENVIRONMENTAL AFFAIRS FOR INFORMATION.
4. CONTOURS WITHIN LINED AREAS REPRESENT TOP OF SOIL LINER.
5. CONTOURS INSIDE NON-LEACHATE STORMWATER POND REPRESENT TOP OF 4 INCH THICK GRAVEL MARKER BED. WHERE MARKER BED IS NOT PROVIDED, CONTOURS REPRESENT TOP OF SOIL LINER.
6. FINISHED GRADE OF ALL OTHER LOCATIONS ARE SHOWN AS THE FINAL GRADE CONTOURS.
7. DESIGN GRADES FOR THE PACASH CELL AND CELL 1 AREAS WERE TAKEN FROM THE APPROVED PERMIT SHEET H1C11004 LAST REVISED ON MAY 8, 2015.
8. ALL LINER SLOPES INSIDE THE LIMITS OF WASTE SHALL BE NO STEEPER THAN 3H:1V.
9. THE 100 YEAR FLOODPLAIN LIMIT AS SHOWN ON THIS SHEET WAS PROVIDED BY SCHNABEL ENGINEERING IN THE EPA CONSULTATION LETTER OF MAP REVISION CLOM# REQUEST DATED DECEMBER 21, 2017.
10. THE EXISTING PACASH CELL SEDIMENTATION POND COLLECTS STORMWATER AND LEACHATE FROM THE PACASH CELL.



REVISION: 1 DATE: 12/09/2024  
CELL 3 MODIFICATIONS AND CELL 2  
TEMPORARY SEDIMENT BASIN

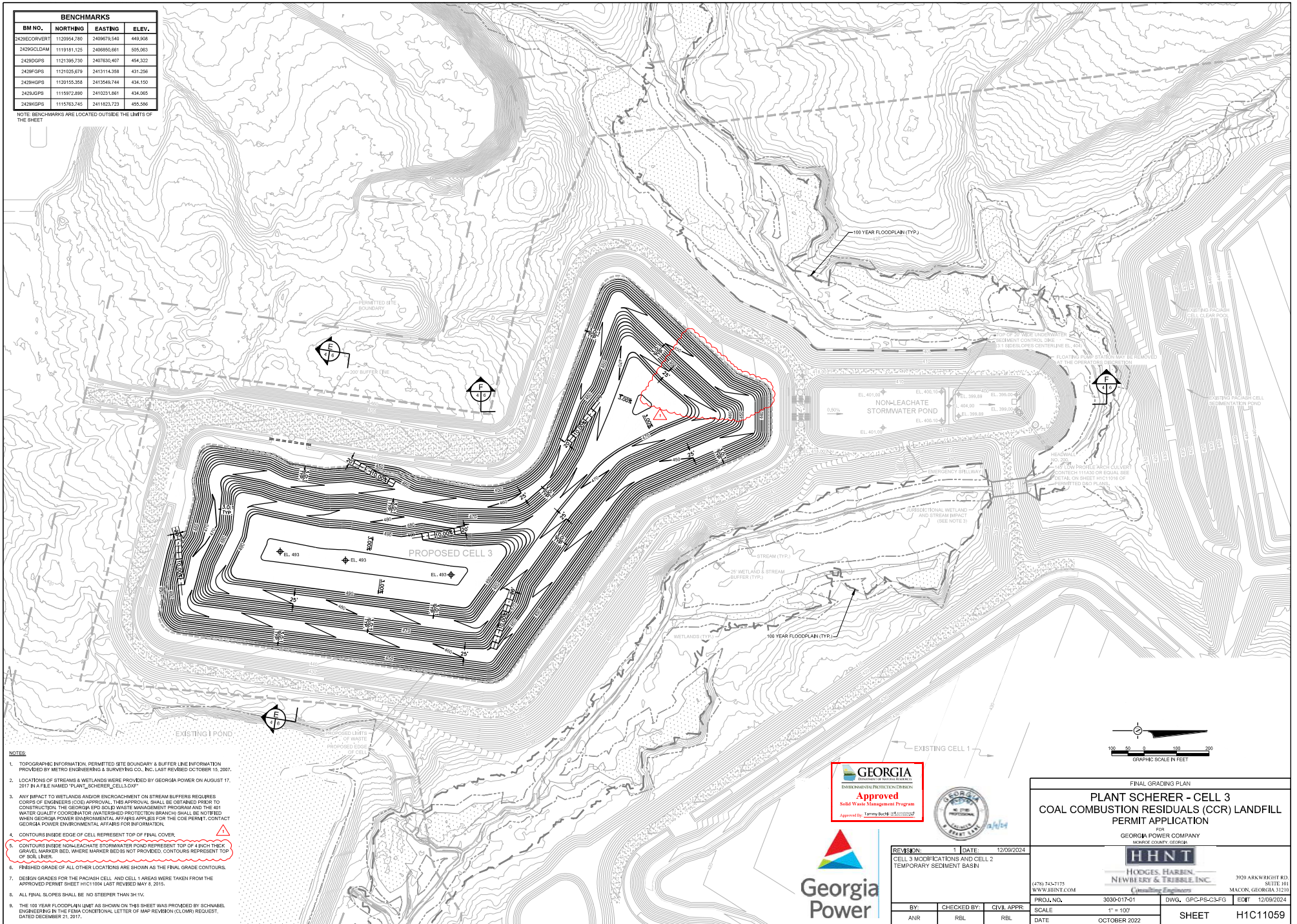
BY: ANR CHECKED BY: RBL CML APPR: RBL

LEACHATE COLLECTION / STORMWATER PUMPING PLAN			
PLANT SCHERER - CELL 3			
COAL COMBUSTION RESIDUALS (CCR) LANDFILL			
PERMIT APPLICATION			
FOR			
GEORGIA POWER COMPANY			
MONROE COUNTY, GEORGIA			
HHNT		3928 ARK WRIGHT RD SUITE 101 MACON, GEORGIA 31210	
HODGES, HARBIN, NEWBERRY & TRUBBLE, INC.		Consulting Engineers	
PROJ. NO.	3030-017-01	DWG.	GPC-PS-C34-G
SCALE	1" = 100'	SHEET	H1C11058
DATE	OCTOBER 2022		



BENCHMARKS			
BM NO.	NORTHING	EASTING	ELEV.
2426SCORVET	1120954.760	2409676.540	449.908
2426SGOLDAM	1119181.125	2409595.061	505.063
2426SGP9	1121966.730	2407630.407	454.302
2426SGP9	1121032.579	2413114.338	421.256
2426SGP9	1120155.348	2412545.744	424.150
2426SGP9	1119972.890	2410231.881	434.365
2426SGP9	1116763.745	2411623.723	405.586

NOTE: BENCHMARKS ARE LOCATED OUTSIDE THE LIMITS OF THE SHEET.



REVISION:	1	DATE:	12/09/2024
CELL 3 MODIFICATIONS AND CELL 2 TEMPORARY SEDIMENT BASIN			
BY:	CHECKED BY:	CIVIL APPR:	
ANR	RBL	RBL	

FINAL GRADING PLAN			
PLANT SCHERER - CELL 3			
COAL COMBUSTION RESIDUALS (CCR) LANDFILL			
PERMIT APPLICATION			
FOR			
GEORGIA POWER COMPANY			
HUNTSVILLE, GEORGIA			
HHNT			
HODGES, HARBEN, NEWBERRY & TRUSSELL, INC.			
3029 ARKWRIGHT RD., SUITE 101, MACON, GEORGIA 31210			
PROJ. NO.	3030-017-01	DWG.	GPC-PS-C3-FG
SCALE	1" = 100'	SHEET	H1C11059
DATE	OCTOBER 2022		



BENCHMARKS			
BM NO.	NORTHING	EASTING	ELEV.
2428CONVERT	1120954.700	2409879.540	448.908
2428SQDAM	1119181.125	2406950.661	595.903
2428DGPS	1121986.730	2407630.407	454.322
2428GPS	1121025.879	2413114.368	421.356
2428HDGPS	1120155.348	2413485.744	424.150
2428JGPS	1119977.890	2410231.861	434.965
2428WGPS	1115763.745	2411823.723	403.586

NOTE: BENCHMARKS ARE LOCATED OUTSIDE THE LIMITS OF THE SHEET

EROSION CONTROL LEGEND			
(S)	STORM DRAIN OUTLET PROTECTION	(L)	LEVEL SPREADER
(T)	TURF REINFORCEMENT MATTING	(C-S)	STONE CHECK DAM
(C-E)	CONSTRUCTION EXIT	(D-M)	DIST. AREA W/ MULCH
(D-T)	DIST. AREA W/ TEMPORARY COVER	(D-P)	DIST. AREA W/ PERMANENT COVER

RIP-RAP OUTLET PROTECTION			
PIPE ID	RIP-RAP SIZE	LENGTH	WT
101	9"	14'	9'
102 (4)	9"	20'	36'
103 (4)	9"	20'	36'
200	9"	20'	36'
RR1	9"	16'	7'
RR2	9"	8'	8'
RR3	12"	20'	36'
RR4	12"	20'	10'
RR5	9"	10'	12'
RR6	9"	10'	12'
RR7	9"	10'	12'

RIP-RAP LINED DITCH			
DITCH NO.	RIP-RAP SIZE	LENGTH	SLOPE
1	NSA-R-3	254.0'	0.50%
2	NSA-R-3	294.0'	1.70%
3	NSA-R-3	212.0'	1.70%
4	NSA-R-4	514.1'	1.70%
5	NSA-R-3	665.0'	0.50%
6	NSA-R-3	384.4'	0.49%
7	NSA-R-3	575.3'	0.49%
8	NSA-R-3	665.0'	0.49%
9A	NSA-R-3	207.0'	4.00%
9B	NSA-R-3	262.9'	0.70%
10	NSA-R-3	304.4'	0.59%
11	NSA-R-3	273.1'	0.49%
12	TRM	205.3'	1.00%
13	TRM	1633.9'	2.02%
14	TRM	205.3'	2.40%
15	TRM	205.3'	0.97%

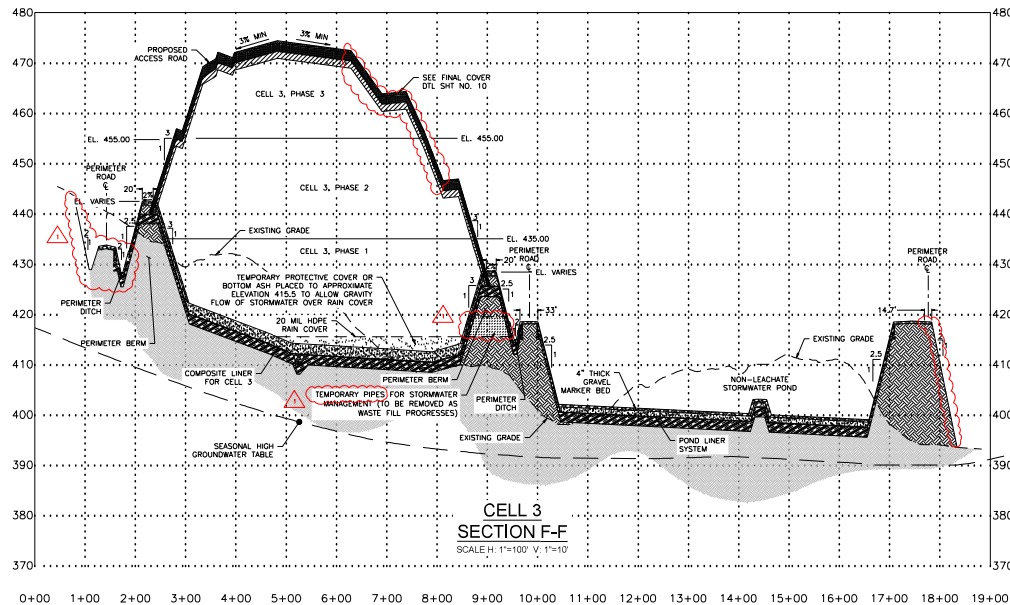
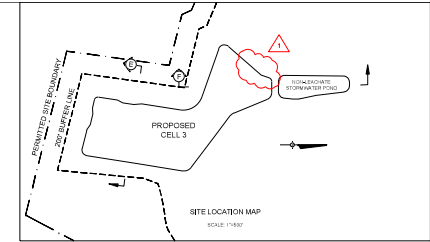
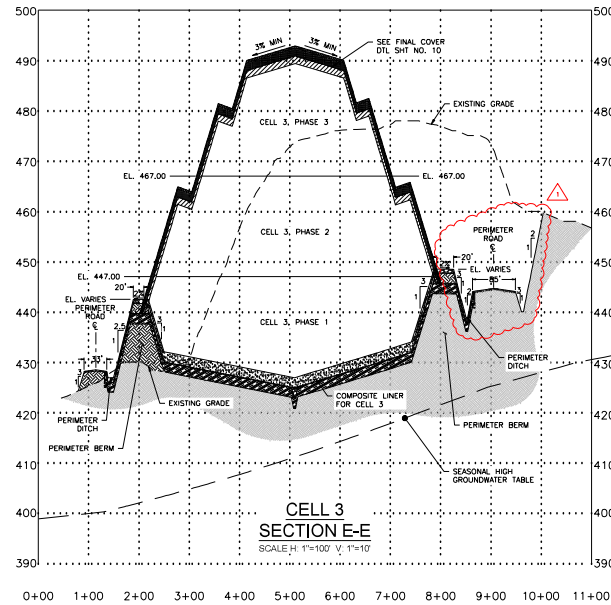
- NOTES
1. TOPOGRAPHIC INFORMATION, PERMITTED SITE BOUNDARY & BUFFER LINE INFORMATION PROVIDED BY METRO ENGINEERING & SURVEYING CO., INC. LAST REVISED OCTOBER 15, 2007.
  2. LOCATIONS OF STREAMS & WETLANDS WERE PROVIDED BY GEORGIA POWER ON AUGUST 17, 2017 IN A FILE NAMED "PLANT\_SCHERER\_CELL3.DWG".
  3. ANY IMPACT TO WETLANDS AND/OR ENCROACHMENT ON STREAM BUFFERS REQUIRES CORPS OF ENGINEERS (COE) APPROVAL. THIS APPROVAL SHALL BE OBTAINED PRIOR TO CONSTRUCTION. THE GEORGIA EPO SOLID WASTE MANAGEMENT PROGRAM AND THE 401 WATER QUALITY COORDINATION (WATERSHED) PROTECTION BRANCH SHALL BE NOTIFIED WHEN GEORGIA POWER ENVIRONMENTAL AFFAIRS APPLIES FOR THE COE PERMIT. CONTACT GEORGIA POWER ENVIRONMENTAL AFFAIRS FOR INFORMATION AND ASSISTANCE.
  4. CONTOURS INSIDE EDGE OF CELL REPRESENT TOP OF FINAL COVER.
  5. CONTOURS INSIDE NON-LEACHATE STORMWATER POND REPRESENT TOP OF 4 INCH THICK GRAVEL MARKER BED. WHERE MARKER BEDS NOT PROVIDED, CONTOURS REPRESENT TOP OF SOIL LAYER.
  6. FINISHED GRADE OF ALL OTHER LOCATIONS ARE SHOWN AS THE FINAL GRADE CONTOURS.
  7. DESIGN GRADES FOR THE PACIAH CELL AND CELL 1 AREAS WERE TAKEN FROM THE APPROVED PERMIT SHEET H1C11004 (LAST REVISED MAY 8, 2015).
  8. ALL FINAL SLOPES SHALL BE NO STEEPER THAN 3H:1V.
  9. ALL DOWNSDRAINS SHALL BE 24" DIA CORRUGATED PLASTIC PIPE, (SMOOTH INTERIOR WALL).
  10. THE PROPOSED 100 YEAR FLOODPLAIN LIMIT AS SHOWN ON THIS SHEET WAS PROVIDED BY SCHWABEL ENGINEERING IN THE FINAL CONDITIONAL LETTER OF MAP REVIEW (CLMR) REQUEST, DATED DECEMBER 21, 2017.
  11. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE EROSION CONTROL MEASURES DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL MEASURES WILL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
  12. THE FACILITY SHALL COMPLY WITH ALL APPLICABLE NPDES PERMITS INCLUDING BUT NOT LIMITED TO APPLICABLE NPDES CONSTRUCTION STORMWATER DISCHARGE GENERAL PERMITS, NPDES INDUSTRIAL STORMWATER DISCHARGE GENERAL PERMIT, AND NPDES WASTEWATER DISCHARGE PERMITS.



REVISION:	1	DATE:	12/09/2024
CELL 3 MODIFICATIONS AND CELL 2 TEMPORARY SEDIMENT BASIN			
BY:	CHECKED BY:	CML APPR:	
AMR	RBL	RBL	

FINAL DRAINAGE AND EROSION CONTROL PLAN			
PLANT SCHERER - CELL 3			
COAL COMBUSTION RESIDUALS (CCR) LANDFILL			
PERMIT APPLICATION			
FOR			
GEORGIA POWER COMPANY			
MONROE COUNTY, GEORGIA			
HHNT		3929 ARKWRIGHT RD	
HODGES, HARBIN, NEWBERRY & TRUBBLE, INC.		SUITE 101	
Consulting Engineers		MACON, GEORGIA 31210	
PROJ. NO.	3030-017-01	DWG.	GPC-PS-C3-00
DATE	1" = 100'	EDT	12/09/2024
OCTOBER 2022		SHEET	
		H1C11060	





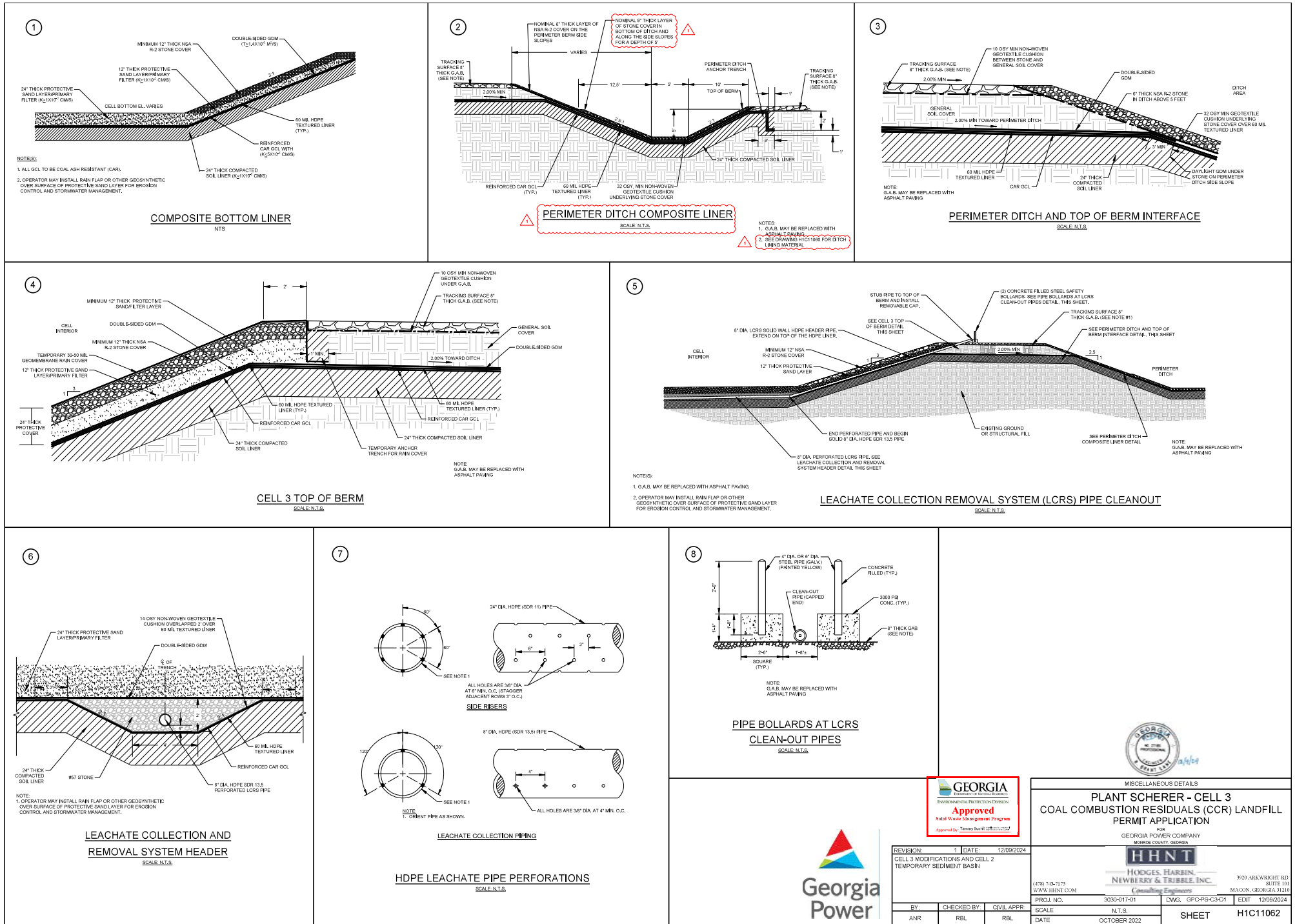
#### NOTES

1. TOPOGRAPHIC INFORMATION: PERMITTED SITE BOUNDARY & BUFFER LINE INFORMATION PROVIDED BY METRO ENGINEERING & SURVEYING CO., INC. LAST REVISED OCTOBER 15, 2007.
2. SEASONAL HIGH GROUNDWATER CONTOURS OBTAINED FROM D&O SHEET NO. H1C11028 APPROVED BY EPD ON MAY 3, 2011.



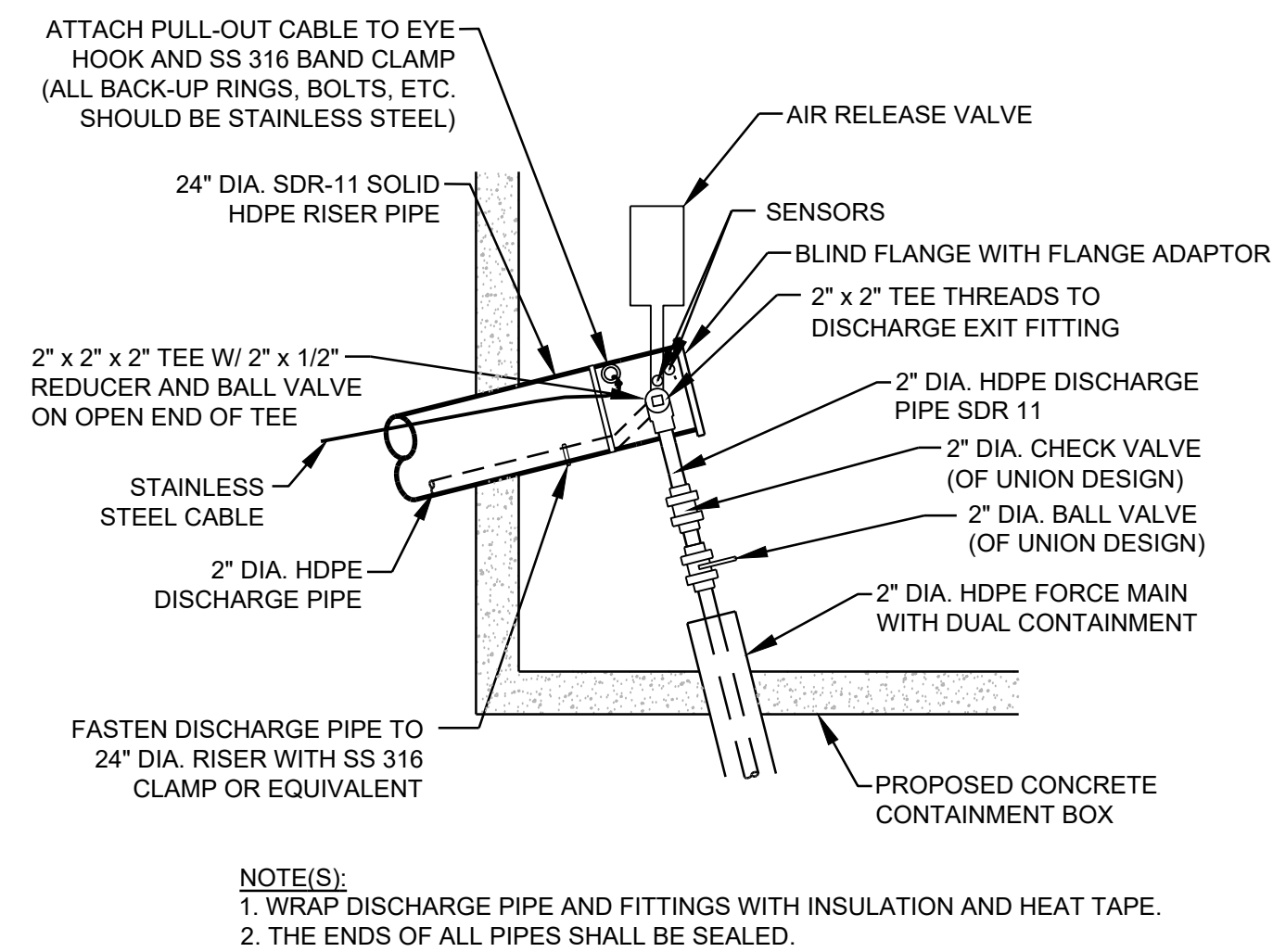
CROSS SECTIONS E AND F			
<b>PLANT SCHERER - CELL 3</b>			
<b>COAL COMBUSTION RESIDUALS (CCR) LANDFILL</b>			
<b>PERMIT APPLICATION</b>			
FOR GEORGIA POWER COMPANY MORRIS COUNTY, GEORGIA			
<b>HHNT</b> HODGES, HARBIN, NEWBERRY & TRIBBLE, INC. Consulting Engineers		3928 ARKWRIGHT RD. SUITE 101 MACON, GEORGIA 31210	
(478) 745-7175 WWW.HHNT.COM		PROJ. NO. 3030-017-01 SCALE AS SHOWN DATE OCTOBER 2022	
REVISION: 1 DATE: 12/09/2024 CELL 3 MODIFICATIONS AND CELL 2 TEMPORARY SEDIMENT BASIN		DWG. GPC-PS-C3-XSEC EDIT 12/09/2024 SHEET <b>H1C11061</b>	
BY: ANR	CHECKED BY: RBL	CIVIL APPR: RBL	





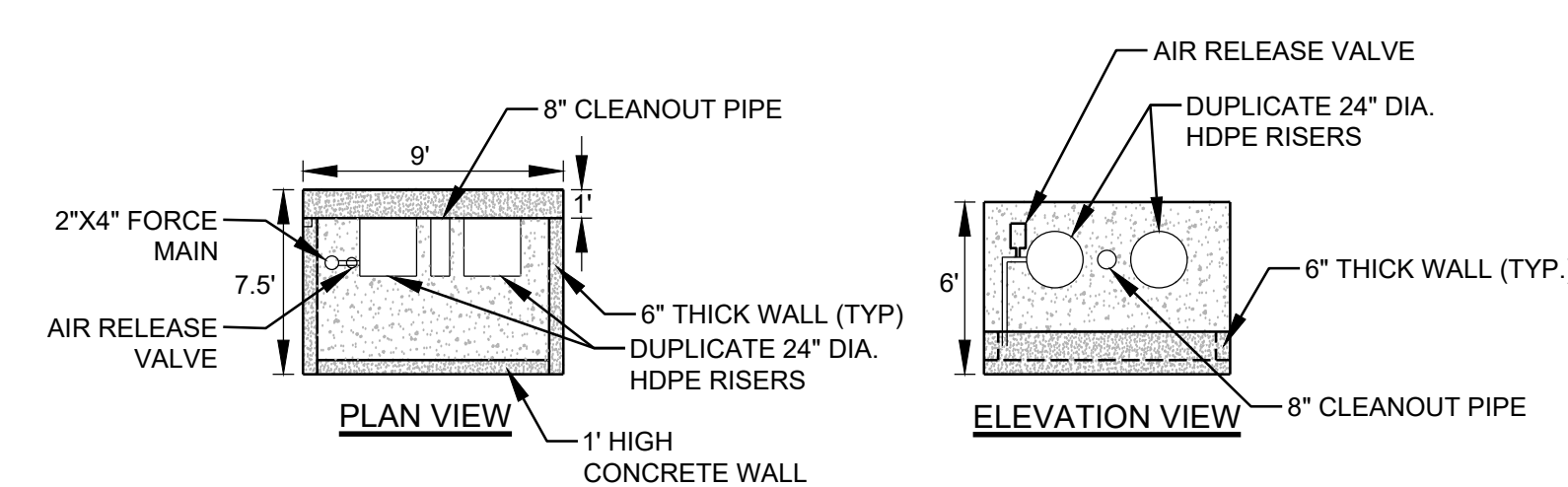


9



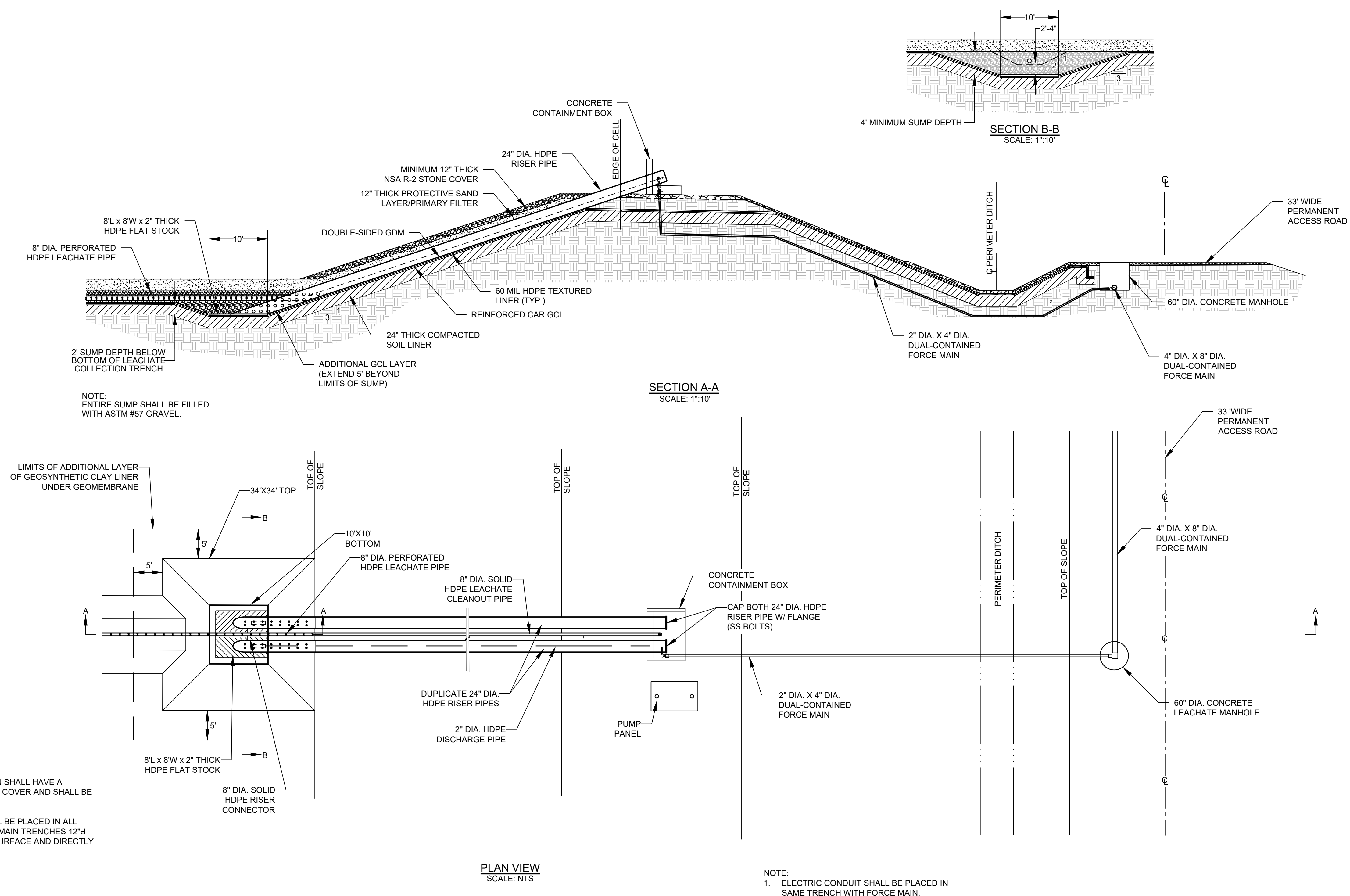
**FORCE MAIN FITTINGS W/ FREEZE PROTECTION**  
SCALE: NTS

11



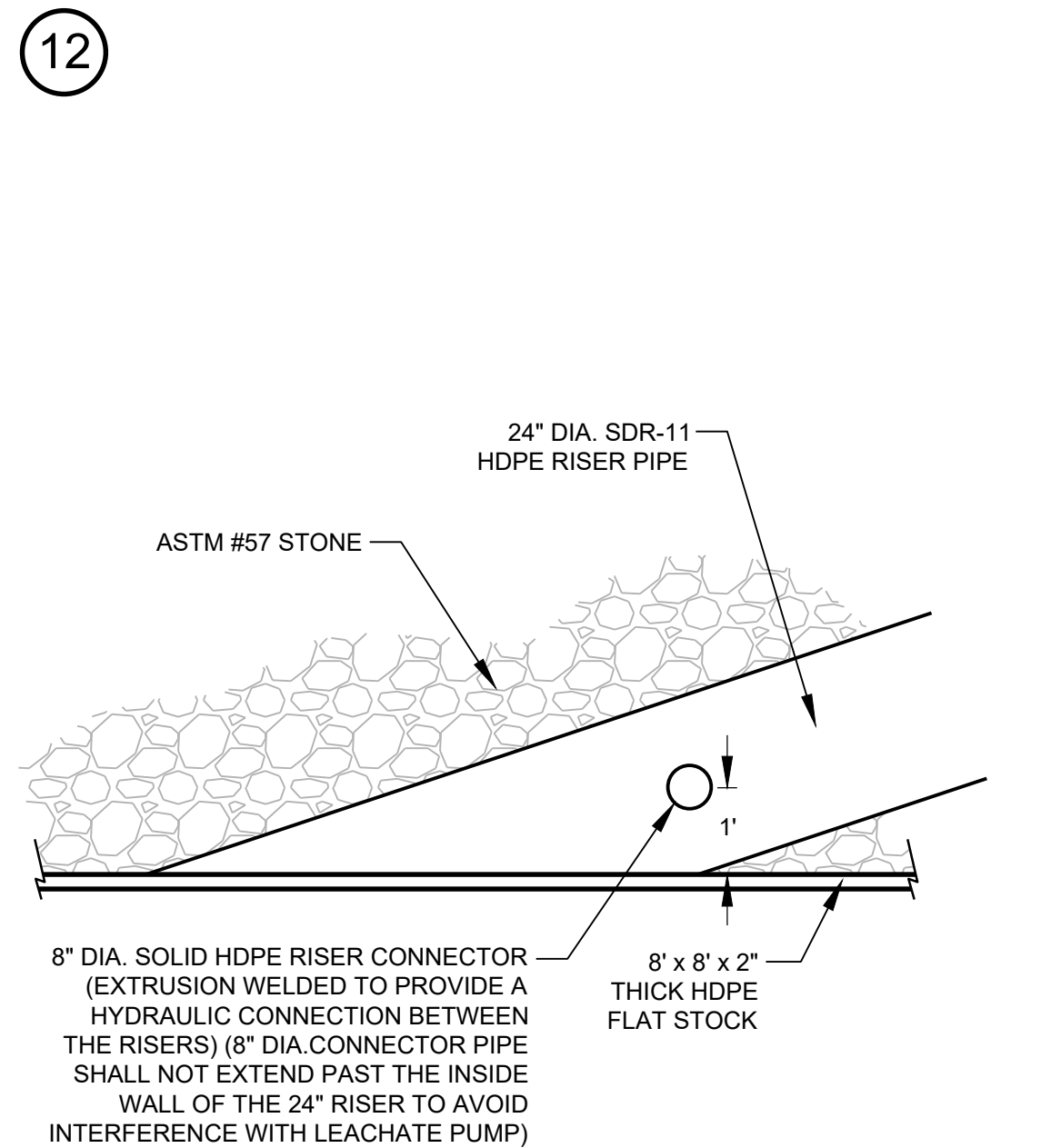
**CONCRETE CONTAINMENT BOX**  
SCALE: NTS

10



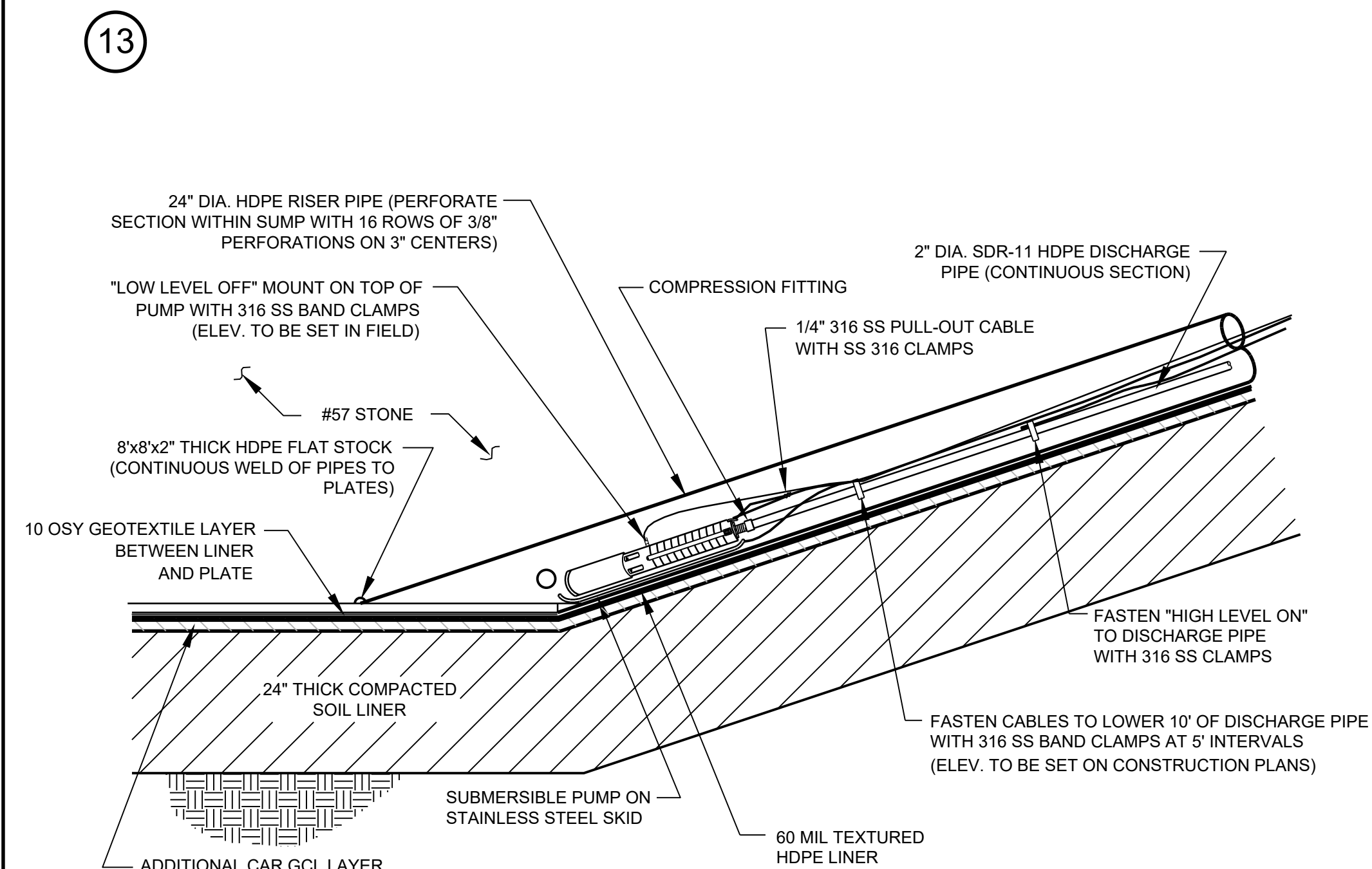
**LEACHATE SUMP ASSEMBLY**

12



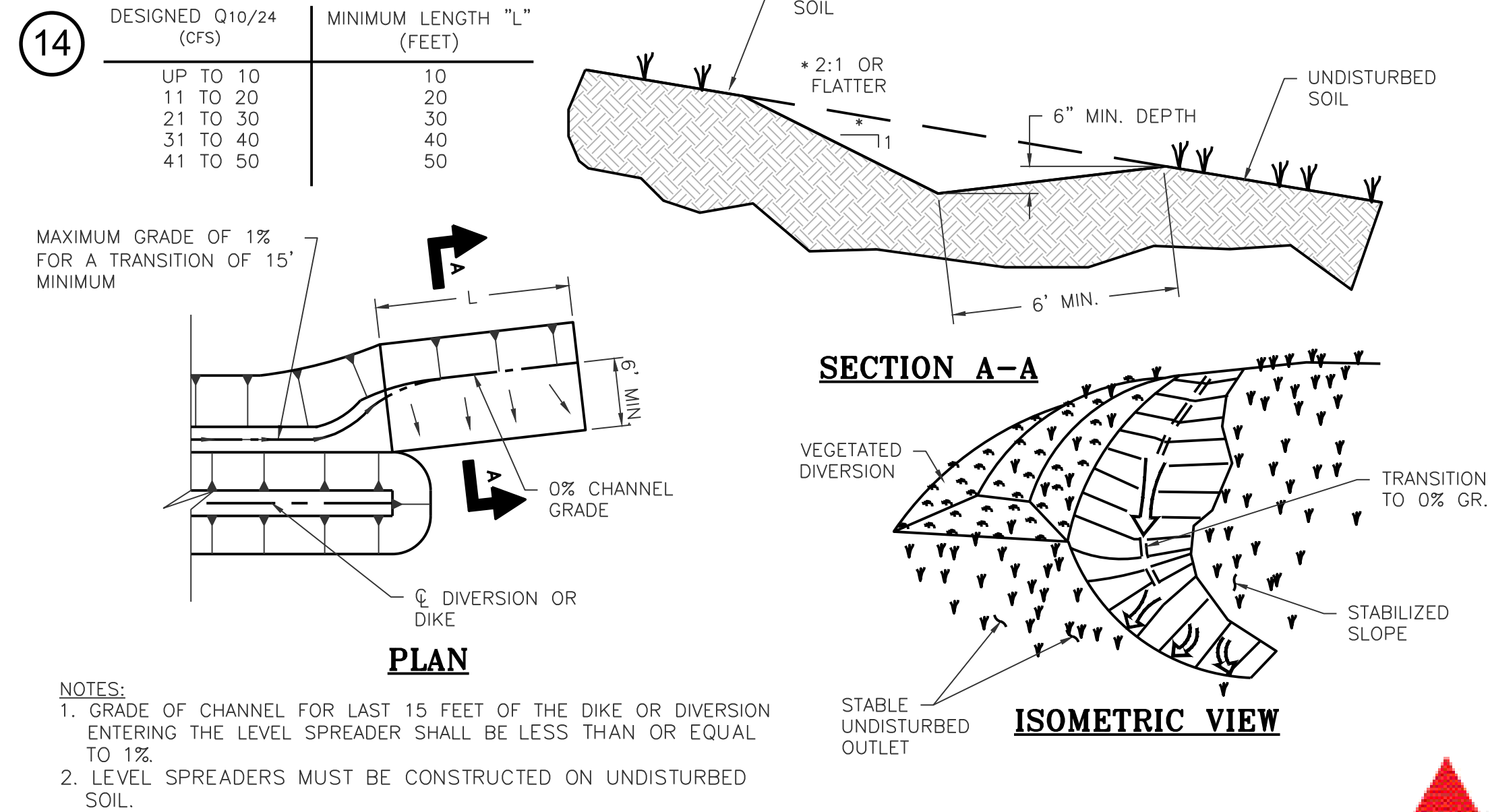
**8" DIA. SOLID HDPE RISER CONNECTOR**  
SCALE: 1"=2'

13



**LEACHATE SUMP PUMP**  
SCALE: N.T.S.

14

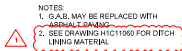


**TYPICAL LEVEL SPREADER (Lv)**  
SCALE: N.T.S.



MISCELLANEOUS DETAILS			
PLANT SCHERER - CELL 3 COAL COMBUSTION RESIDUALS (CCR) LANDFILL PERMIT APPLICATION			
FOR GEORGIA POWER COMPANY MONROE COUNTY, GEORGIA			
HHNT			
HODGES, HARBIN, NEWBERRY & TRIBBLE, INC.			
Consulting Engineers			
PROJ. NO.	3030-017-01	DWG.	GPC-PS-C3-D2
SCALE	N.T.S.	EDIT	06/14/2022
DATE	OCTOBER 2022	SHEET	H1C11063





SCALE: 1" = 5'



			
MISCELLANEOUS DETAILS			
<p align="center"><b>PLANT SCHERER - CELL 3</b></p> <p align="center"><b>COAL COMBUSTION RESIDUALS (CCR) LANDFILL</b></p> <p align="center"><b>PERMIT APPLICATION</b></p> <p align="center">FOR GEORGIA POWER COMPANY HOWARD COUNTY, GEORGIA</p>			
<p align="center"><b>HHNT</b></p> <p align="center">HODGES, HARBIN, NEWBURY &amp; TRIBBLE, INC.</p> <p align="center"><i>Consulting Engineers</i></p>			
(478) 744-7173 WWW.HHNT.COM		3920 ARKWRIGHT RD SUITE 100 MACON, GEORGIA 31204	
PROJ. NO. SCALE DATE	3030-017-01 N.T.S. OCTOBER 2002	DWG. GPC-CP-C3-D3 SHEET	EDIT 12/06/02/04 H1C11064

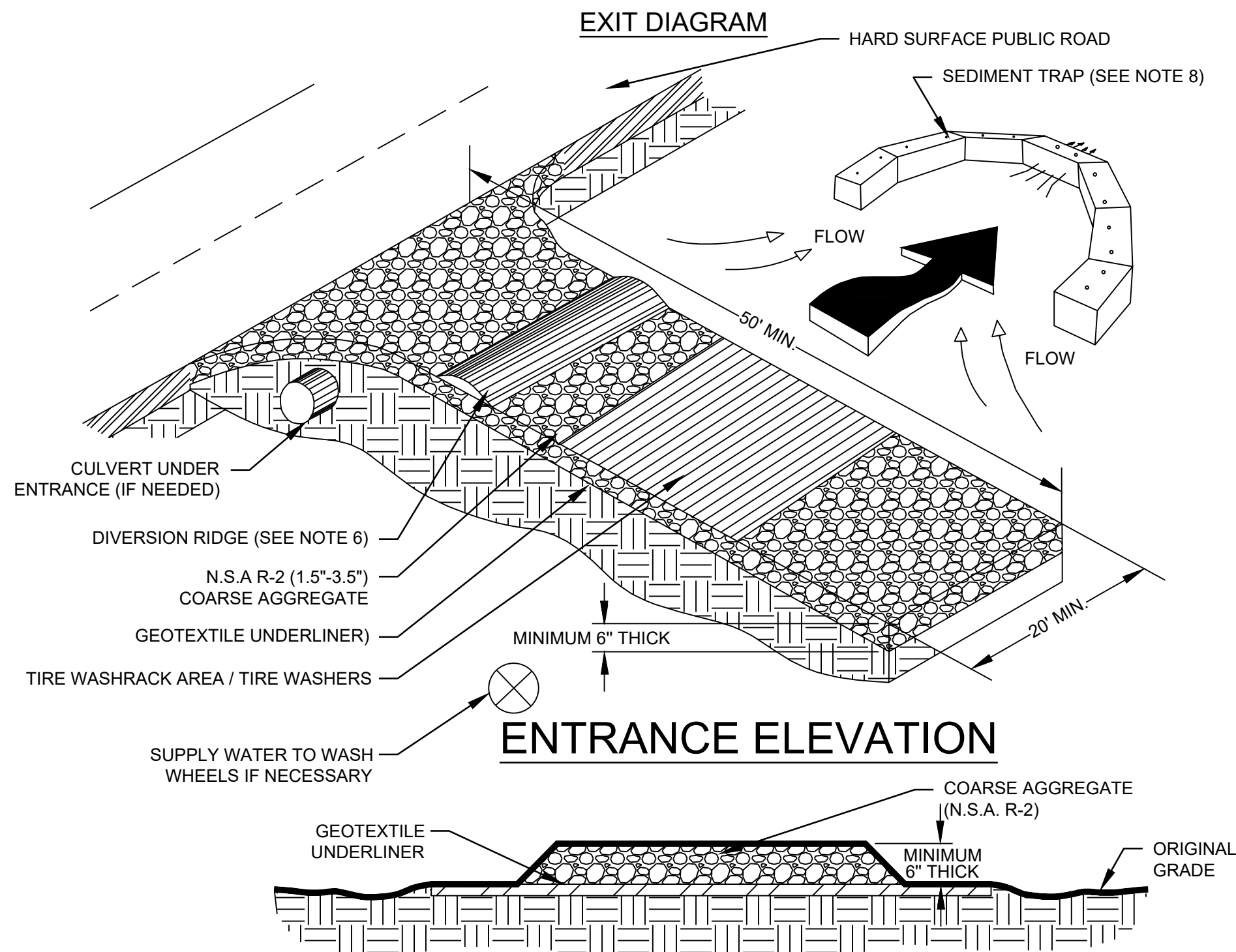


21

MAINTENANCE

THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1.5-3.5 INCH STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURES TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

CRUSHED STONE CONSTRUCTION EXIT



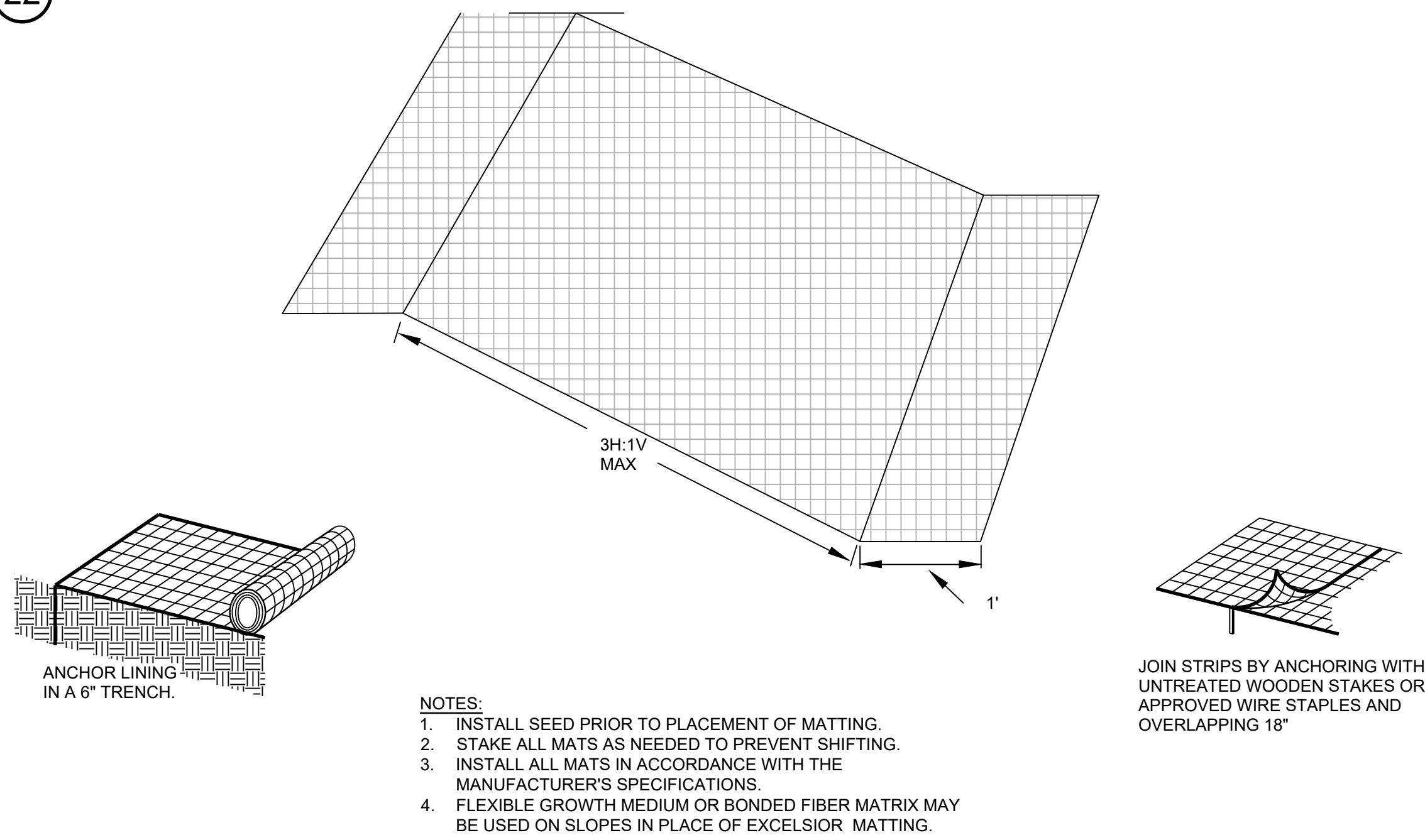
- NOTES:
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
  2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
  3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5") STONE).
  4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
  5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
  6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
  7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
  8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT POND (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
  9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVES MUD AND DIRT.

CONSTRUCTION EXIT

SCALE: N.T.S.

Co

22

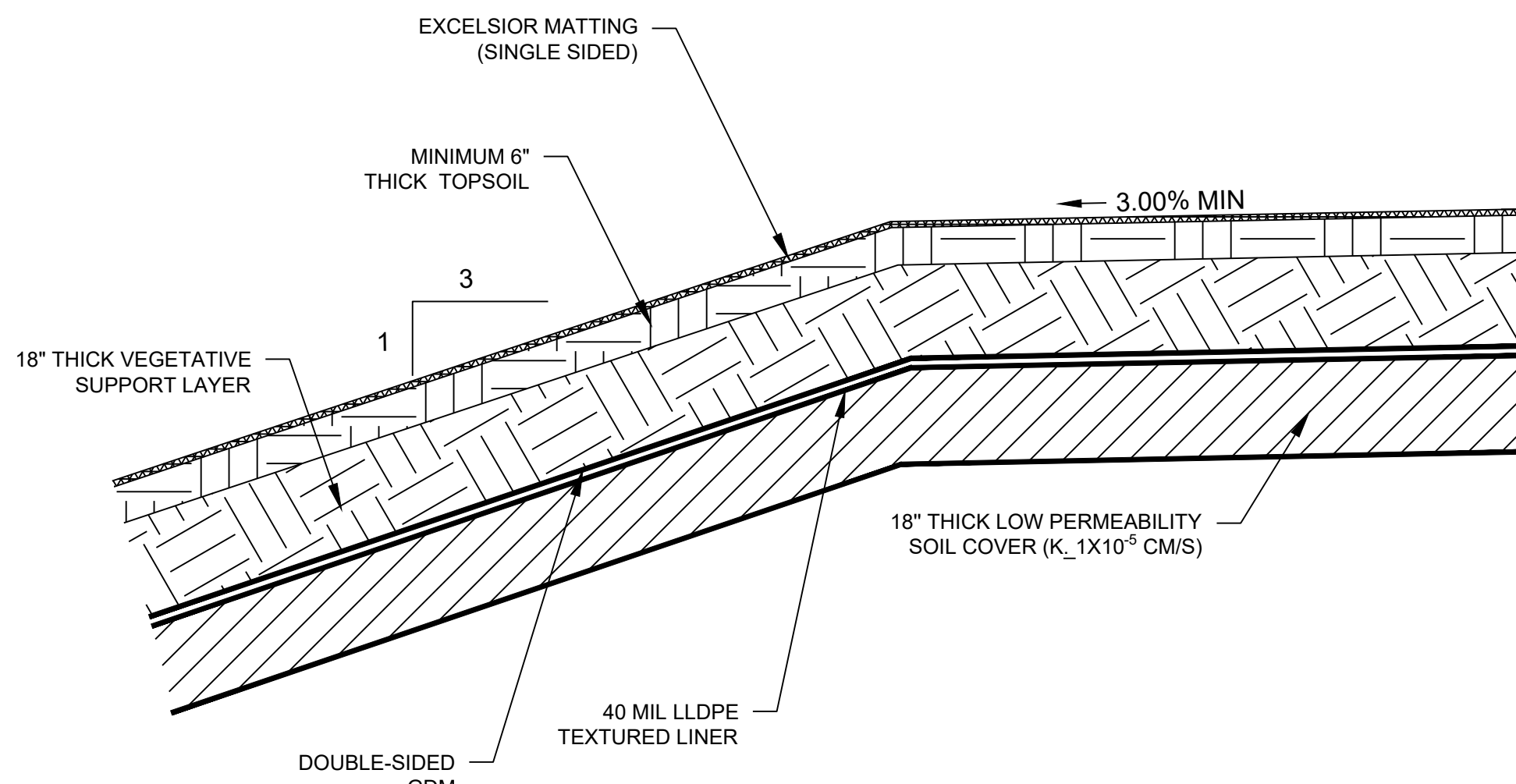


EXCELSIOR (WOOD FIBER) MATTING

Ss-RECP

SCALE: 1" = 1'

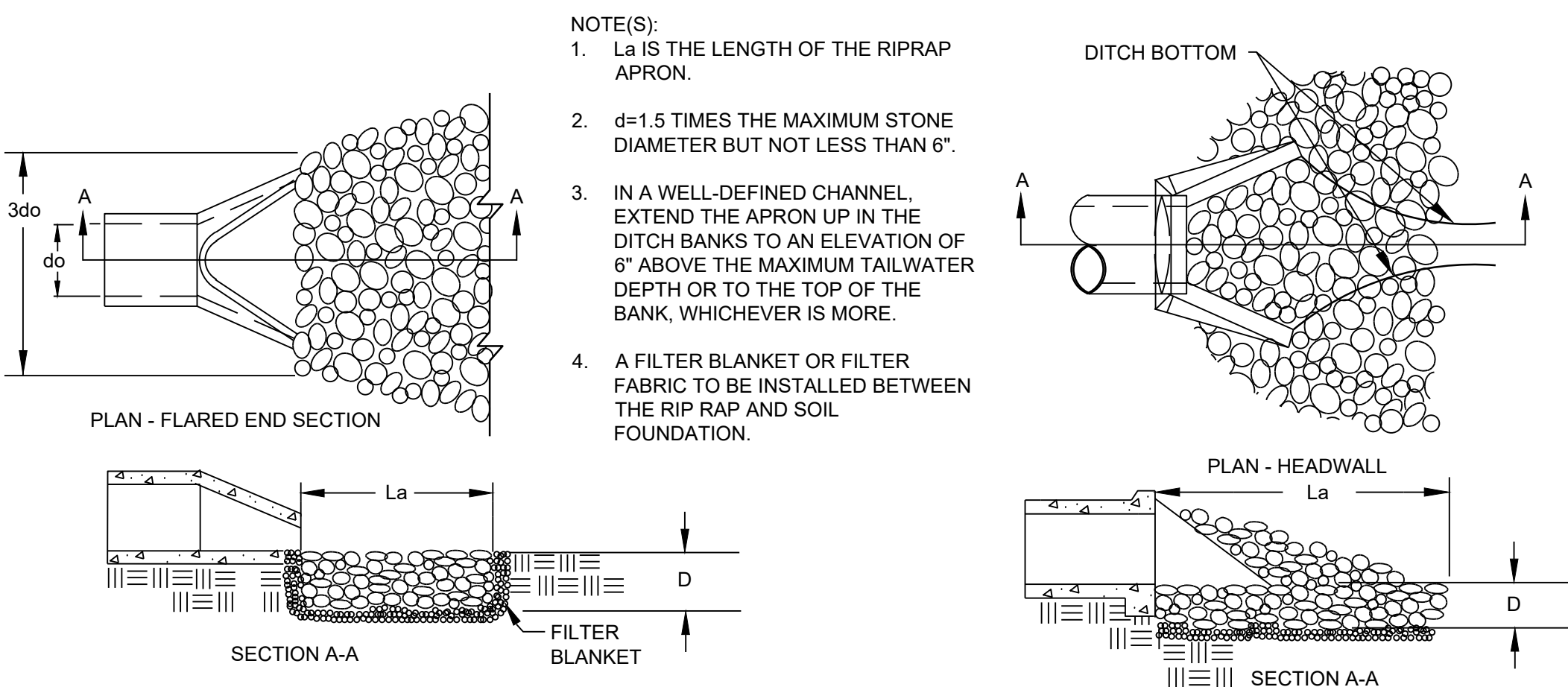
24



FINAL COVER SYSTEM

SCALE: N.T.S.

25

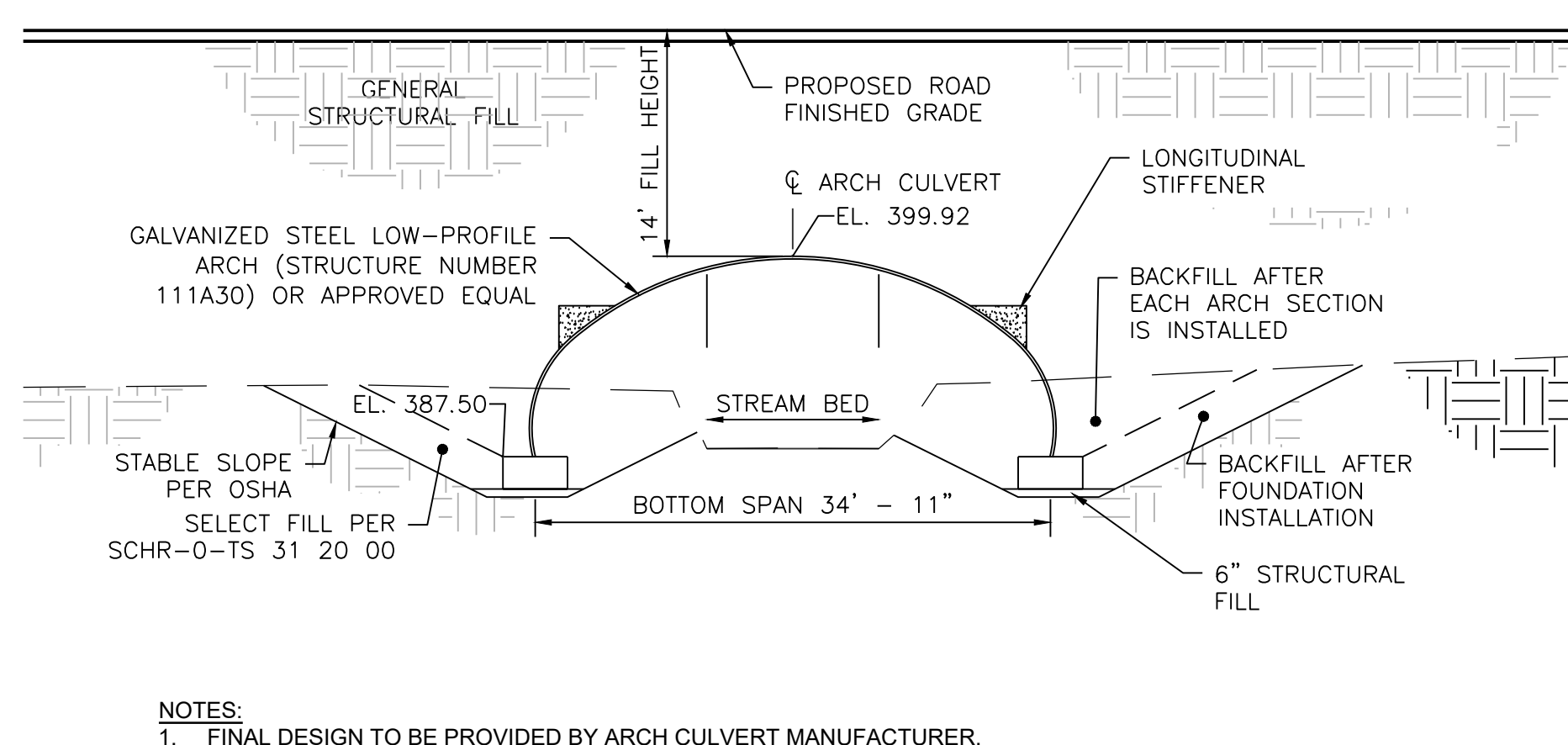


OUTLET PROTECTION

SCALE: N.T.S.

St

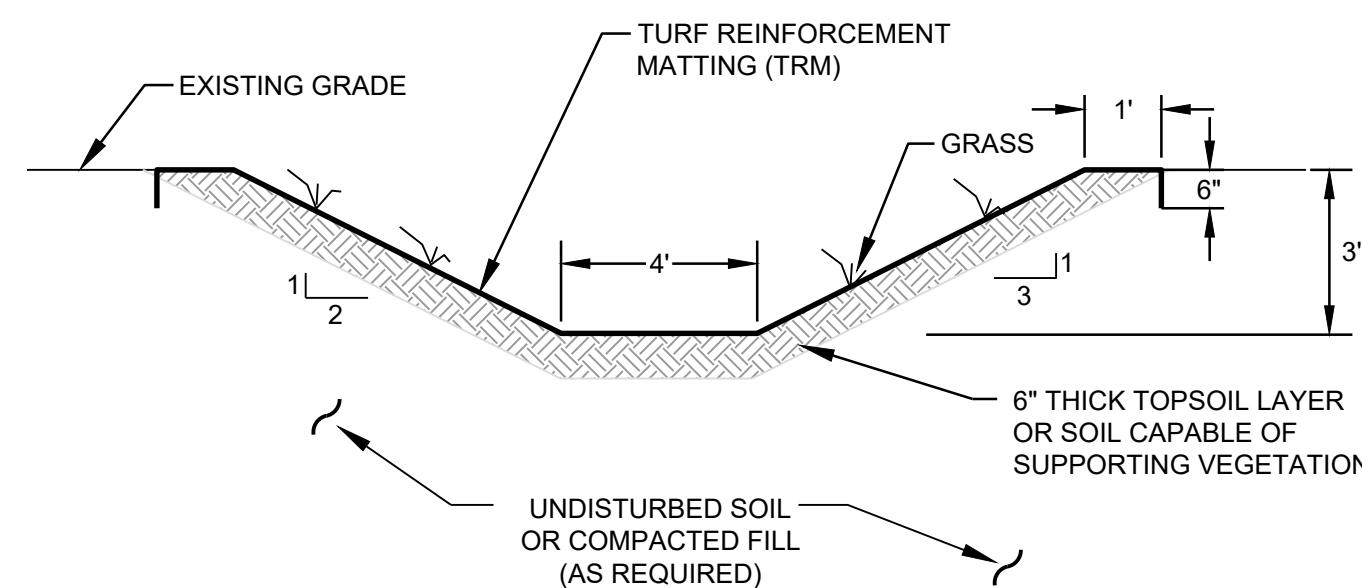
26



ARCH CULVERT SECTION AT CELL 3

SCALE: 1" = 1'

23



4' FLAT BOTTOM DITCH TYPICAL SECTION

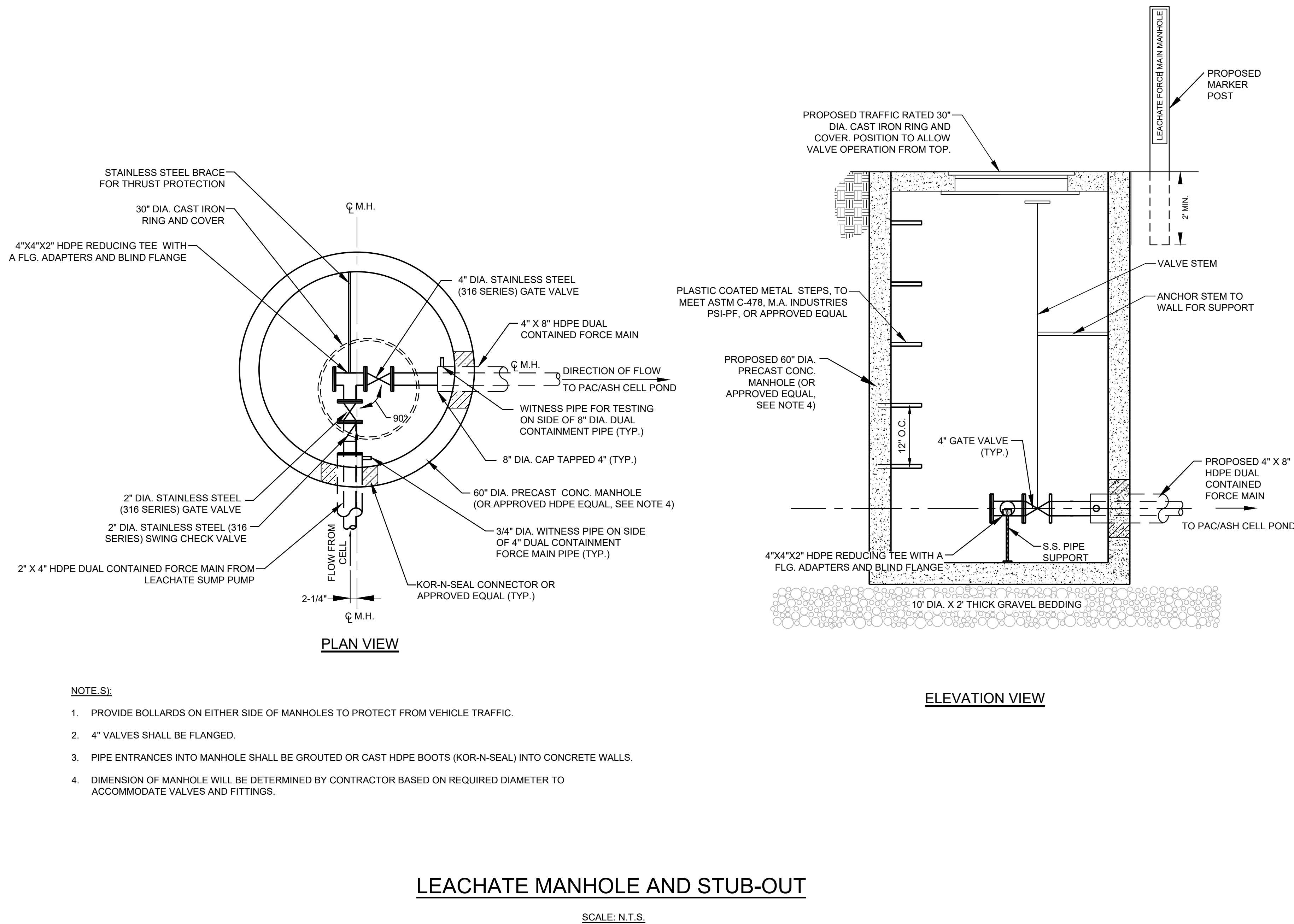
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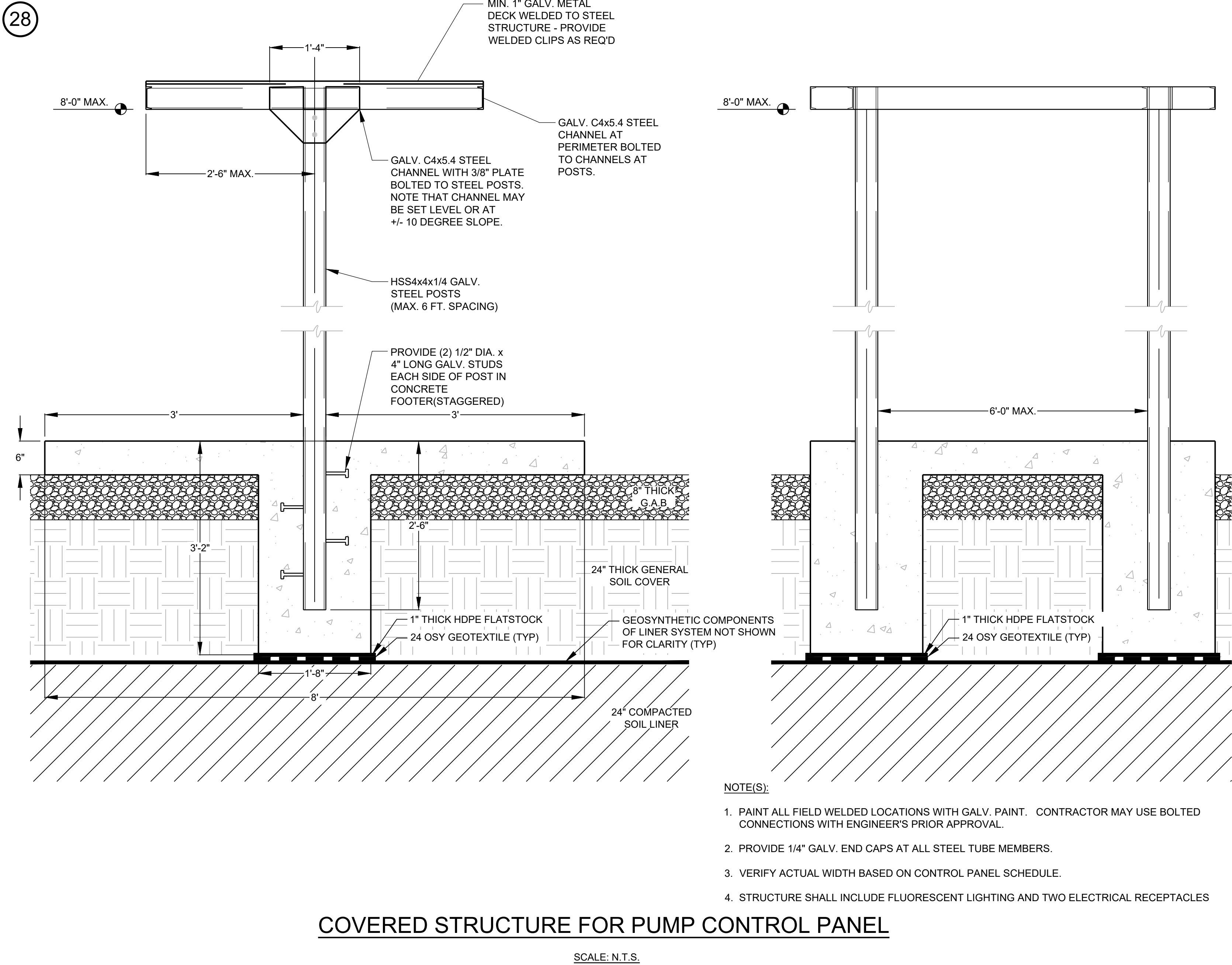
MISCELLANEOUS DETAILS			
PLANT SCHERER - CELL 3 COAL COMBUSTION RESIDUALS (CCR) LANDFILL PERMIT APPLICATION FOR GEORGIA POWER COMPANY MONROE COUNTY, GEORGIA			
<b>HHNT</b> HODGES, HARBIN, NEWBERRY & TRIBBLE, INC. Consulting Engineers			
(478) 743-7175 WWW.HHNT.COM	3920 ARKWRIGHT RD. SUITE 101 MACON, GEORGIA 31210		
PROJ. NO.	3030-017-01	DWG.	GPC-PS-C3-D4
SCALE	N.T.S.	EDIT	06/14/2022
DATE	OCTOBER 2022	SHEET	H1C11065



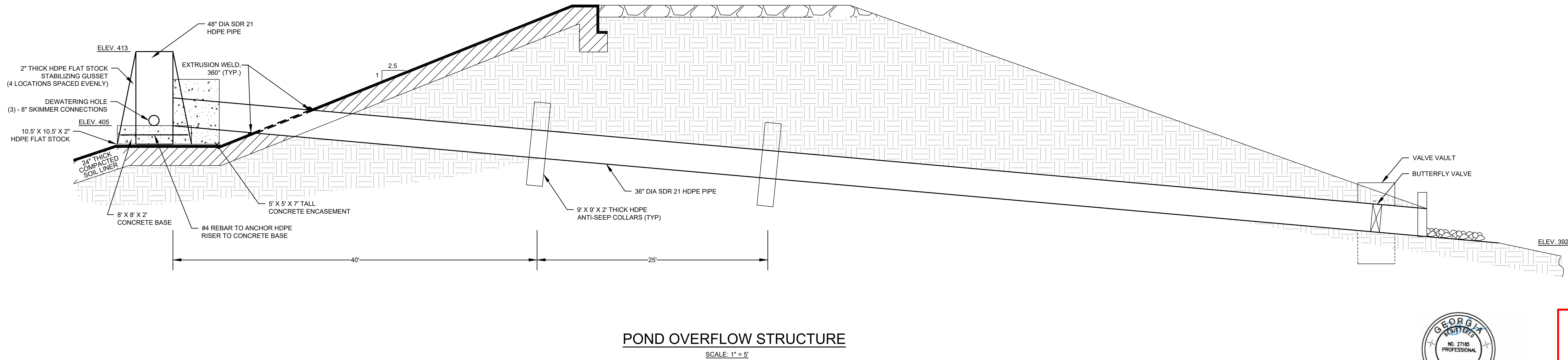
27



28



29



Approved  
Solid Waste Management Program

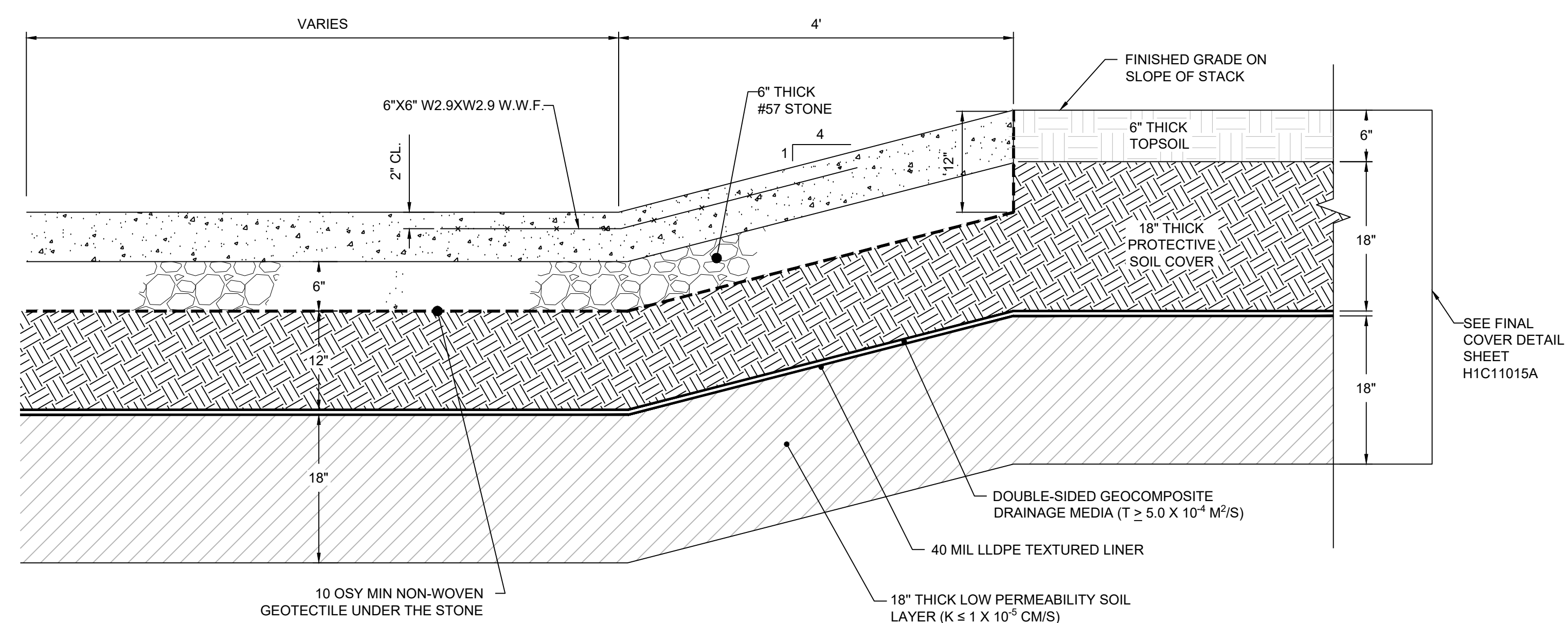
Approved By: Keith Stevens

10/15/22

MISCELLANEOUS DETAILS			
PLANT SCHERER - CELL 3 COAL COMBUSTION RESIDUALS (CCR) LANDFILL PERMIT APPLICATION FOR GEORGIA POWER COMPANY MONROE COUNTY, GEORGIA			
<p>HODGES, HARBIN, NEWBERRY &amp; TRIBBLE, INC. Consulting Engineers</p>			
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PROJ. NO.	3030-017-01	DWG.	GPC-PS-C3-D5
SCALE	N.T.S.	EDIT	06/14/2022
DATE	OCTOBER 2022	SHEET H1C11066	



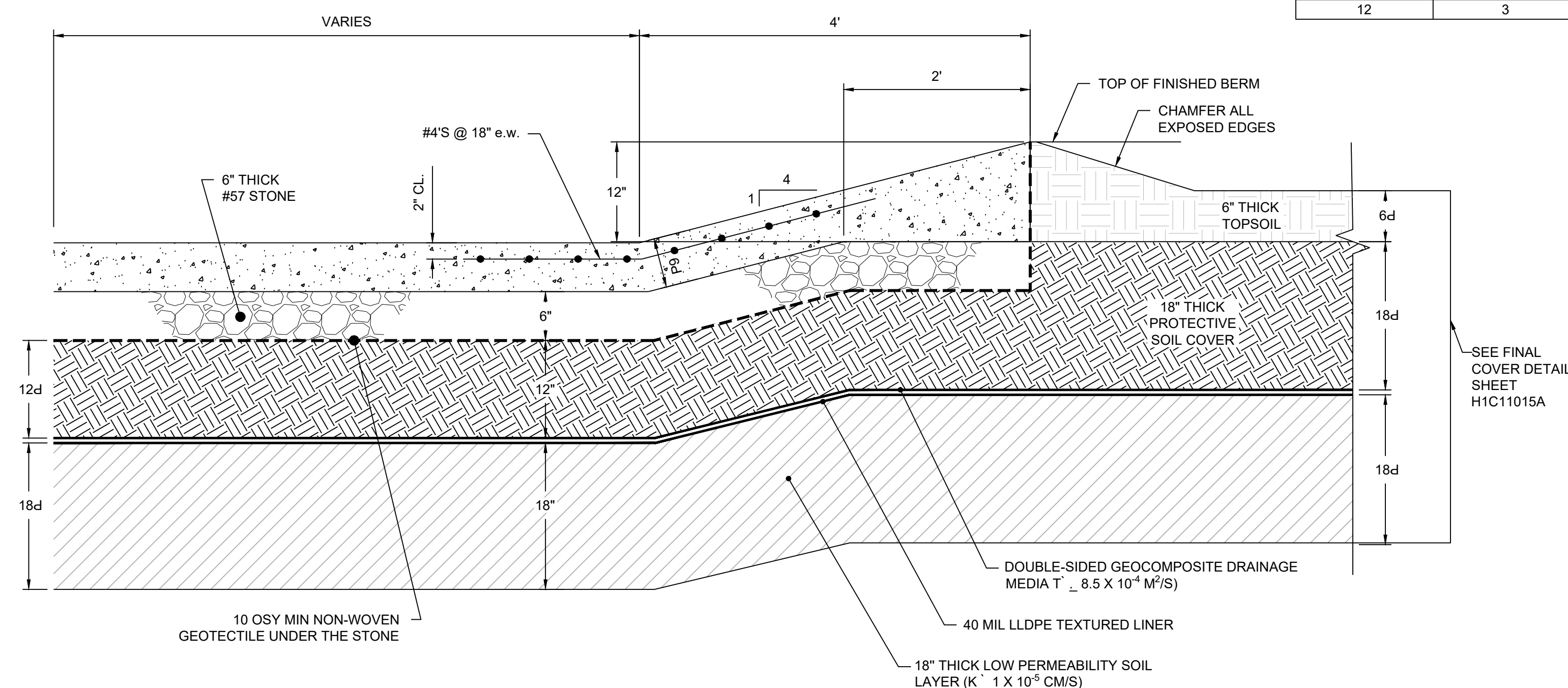
(30)



CONCRETE FLUME SECTION S-S  
3:1 SIDE SLOPE AREA

SCALE: N.T.S.

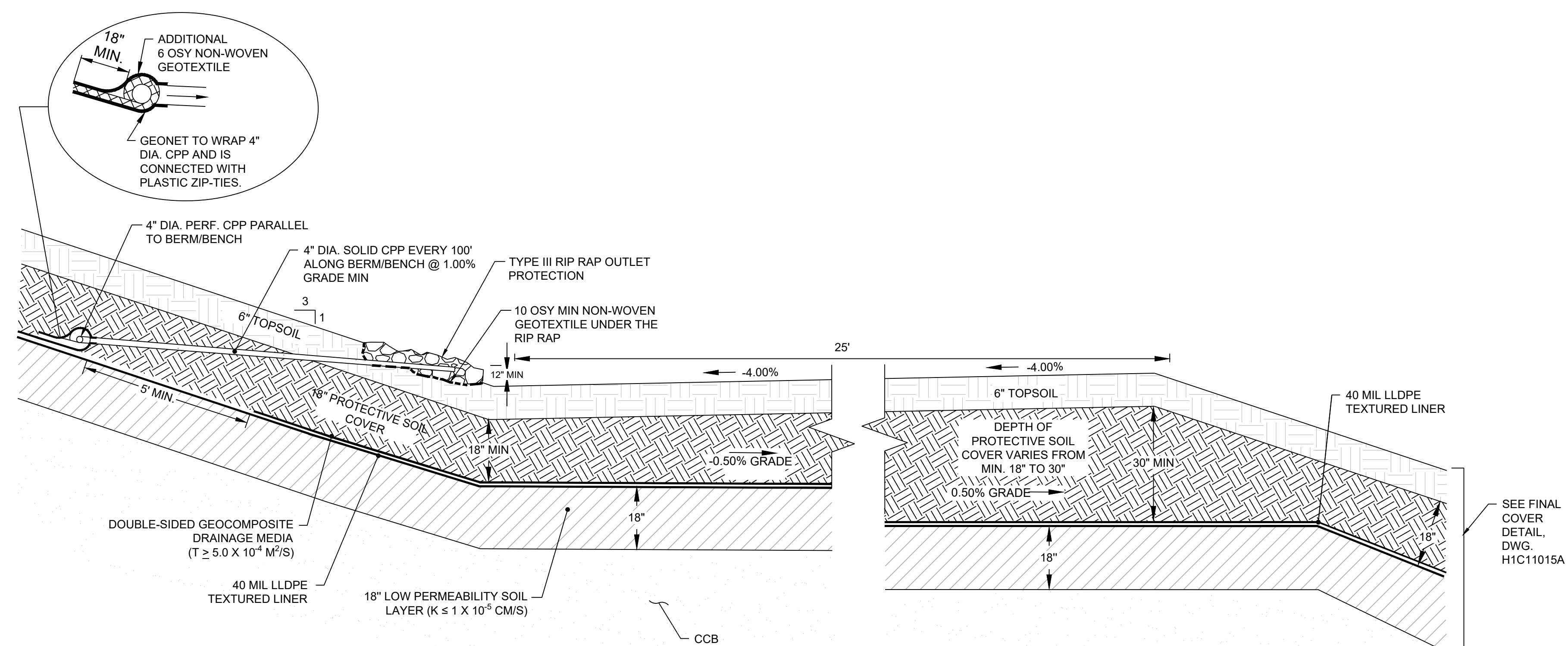
CDC NO.	BOTTOM WIDTH (FT)
1	6
2	1
3	1
4	3
5	6
6	6
7	1
8	1
9	3
10	3
11	3
12	3



CONCRETE FLUME SECTION U-U  
AT CENTERLINE OF BERM

SCALE: N.T.S.

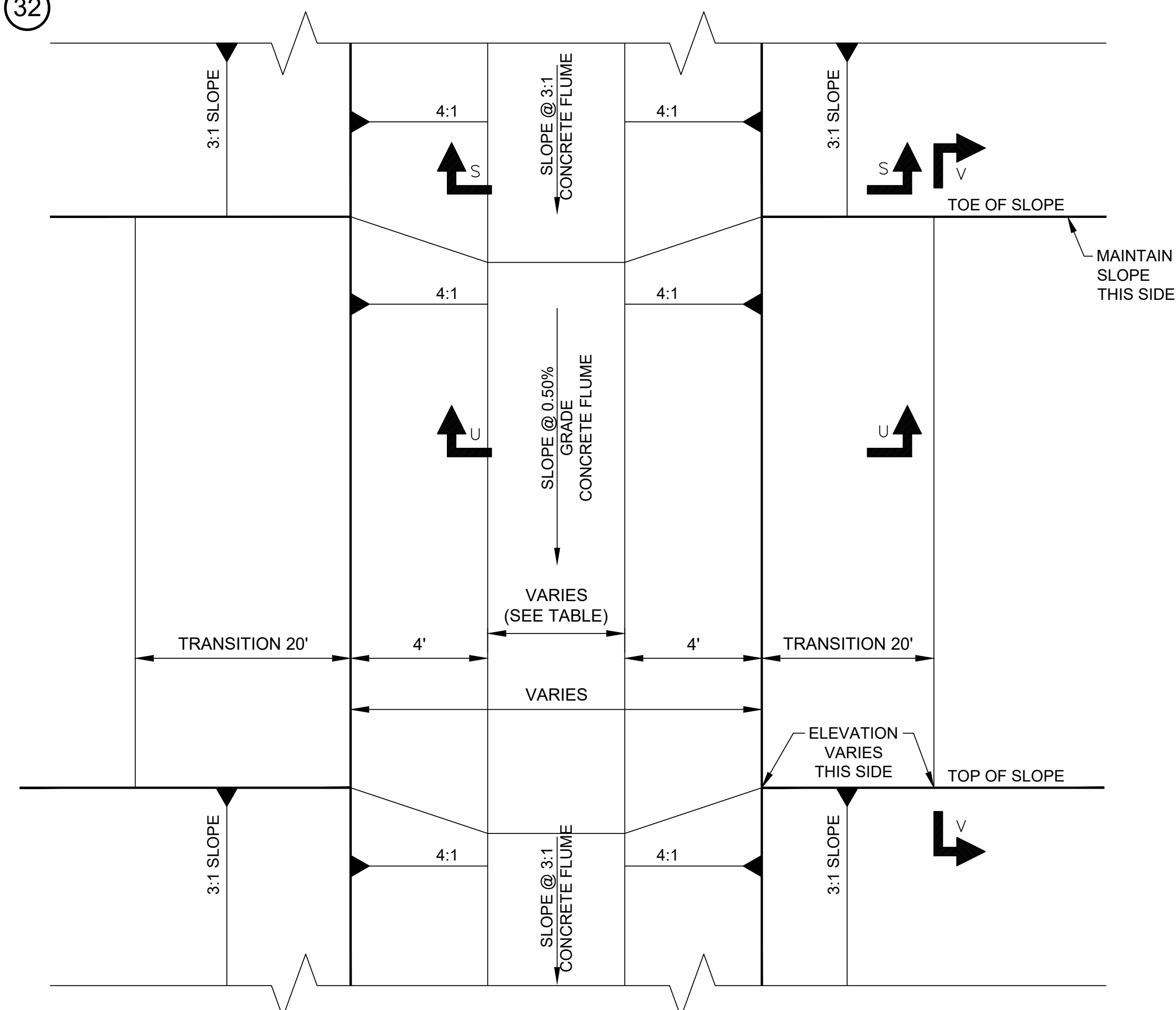
(31)



FINAL COVER INTERNAL DRAIN OUTLET  
DETAIL BERM TRANSITION SECTION V-V

SCALE: N.T.S.

32



BERM TRANSITION AT FLUME DETAIL  
PLAN VIEW

SCALE: N.T.S.



## MISCELLANEOUS DETAILS

PLANT SCHERER - CELL 3  
COAL COMBUSTION RESIDUALS (CCR) LANDFILL  
PERMIT APPLICATION

FOR  
GEORGIA POWER COMPANY  
MONROE COUNTY, GEORGIA



— HODGES, HARBIN, —  
NEWBERRY & TRIBBLE, INC.

3920 ARKWRIGHT RD  
SUITE 101  
MACON, GEORGIA 31210

(478) 743-7175  
WWW.HHNT.COM

PROJ NO.

PROJ. NO.	
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DWG	GPC-PS-C3-D6
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SHEET	H1C11067
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