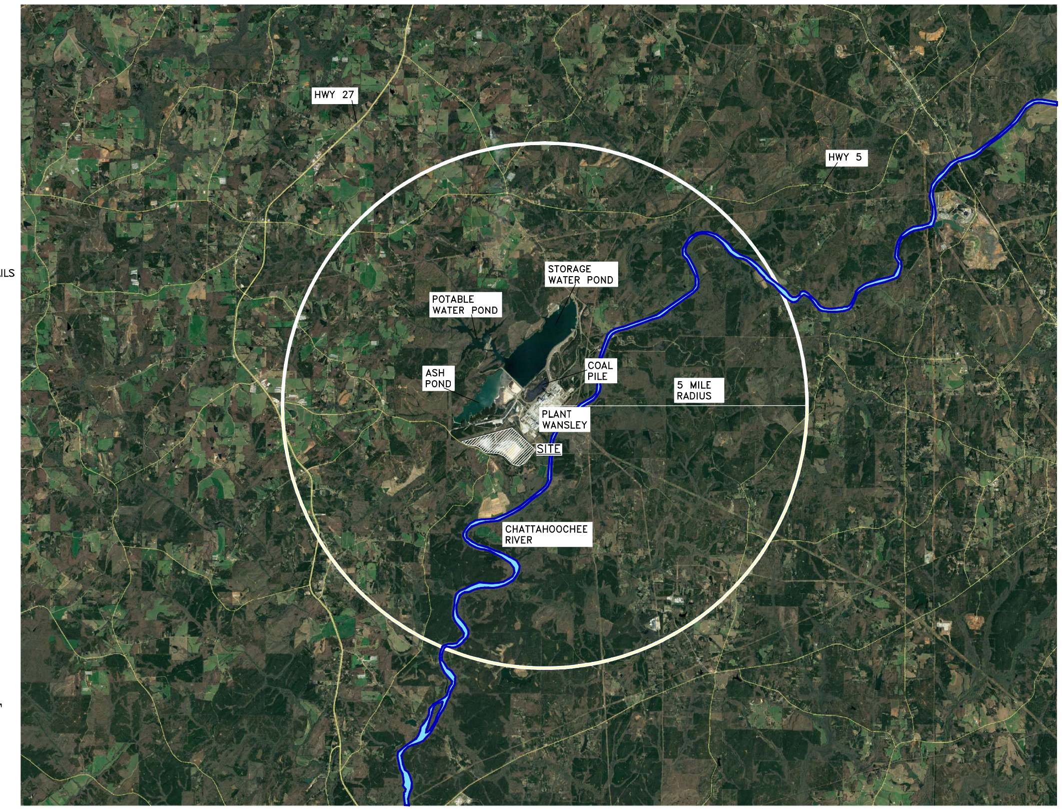
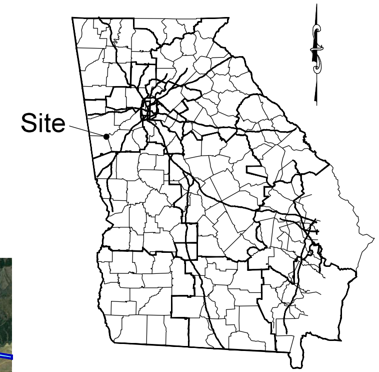
GEORGIA POWER COMPANY

PLANT WANSLEY
COAL COMBUSTION RESIDUALS (CCR) LANDFILL
PERMIT DRAWINGS
HEARD COUNTY, GEORGIA
NOVEMBER 2023

DRAWING INDEX: 3



LOCATION MAP
SCALE AS SHOWN



HEARD COUNTY
GEORGIA

LEGEND:

COAL COMBUSTION BY–PRODUCT DISPOSAL FACILITY AREA

RESPONSIBLE OFFICIAL

VICE PRESIDENT
ENVIRONMENTAL AFFAIRS
GEORGIA POWER COMPANY
BIN 10221
241 RALPH MCGILL BLVD.
ATLANTA, GEORGIA 30308
(404) 506–7777

ADDRESS

PLANT WANSLEY
1371 LIBERTY CHURCH ROAD
CARROLTON, GA 30116

PROPERTY OWNER

GEORGIA POWER COMPANY
241 RALPH McGILL BLVD.
ATLANTA, GEORGIA 30308

CCR LANDFILL PERMIT APPLICATION CONSULTANT

HODGES, HARBIN, NEWBERRY & TRIBBLE, INC (HHNT, INC.)
3920 ARKWRIGHT RD, SUITE 101
MACON, GA 31210
(478) 743–7175

CONSULTANT

SOUTHERN COMPANY GENERATION
GARY McWHORTER
BIN 10160
241 RALPH McGILL BLVD.
ATLANTA, GEORGIA 30308
TEL: (404) 506–7291

GEORGIA REGISTERED No. 12687 PROFESSIONAL ENGINEER GARY H. McWHORTER
5/3/2024

GEORGIA REGISTERED NO. 27185 PROFESSIONAL ENGINEER R. BRANT LANE
5/3/24

PERMIT REVISION HISTORY: THE ORIGINAL PERMIT DRAWINGS FOR THE PLANT WANSLEY CCR LANDFILL WERE PREPARED BY SOUTHERN COMPANY GENERATION ENGINEERING AND CONSTRUCTION SERVICES (SCGECS). THESE PERMIT DRAWINGS WERE REVIEWED BY GEORGIA EPD AND APPROVED ON JUNE 15, 2010 AS PART OF THE FACILITY'S SOLID WASTE HANDLING PERMIT WITH SUBSEQUENT REVISIONS TO THE DRAWINGS APPROVED BY GEORGIA EPD THROUGH PERMIT MODIFICATIONS. HODGES, HARBIN, NEWBERRY, AND TRIBBLE INC. (HHNT) HAS ASSISTED GEORGIA POWER COMPANY IN PREPARATION OF THE CCR LANDFILL PERMIT AS REQUIRED BY THE NEW SOLID WASTE RULE 391–4–.10(9)(a) FOR COAL COMBUSTION RESIDUAL UNITS. MINOR PLAN REVISIONS AND UPDATES HAVE BEEN MADE AS PART OF THE NEW CCR LANDFILL PERMITTING PROCESS AND ARE INCLUDED HEREIN. AT THE REQUEST OF GEORGIA EPD 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 REMOVED.

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

NOTE: COAL–COMBUSTION BY–PRODUCTS (CCB) AND COAL COMBUSTION RESIDUALS (CCR) HAVE THE SAME MEANING IN THESE PERMIT DRAWINGS.

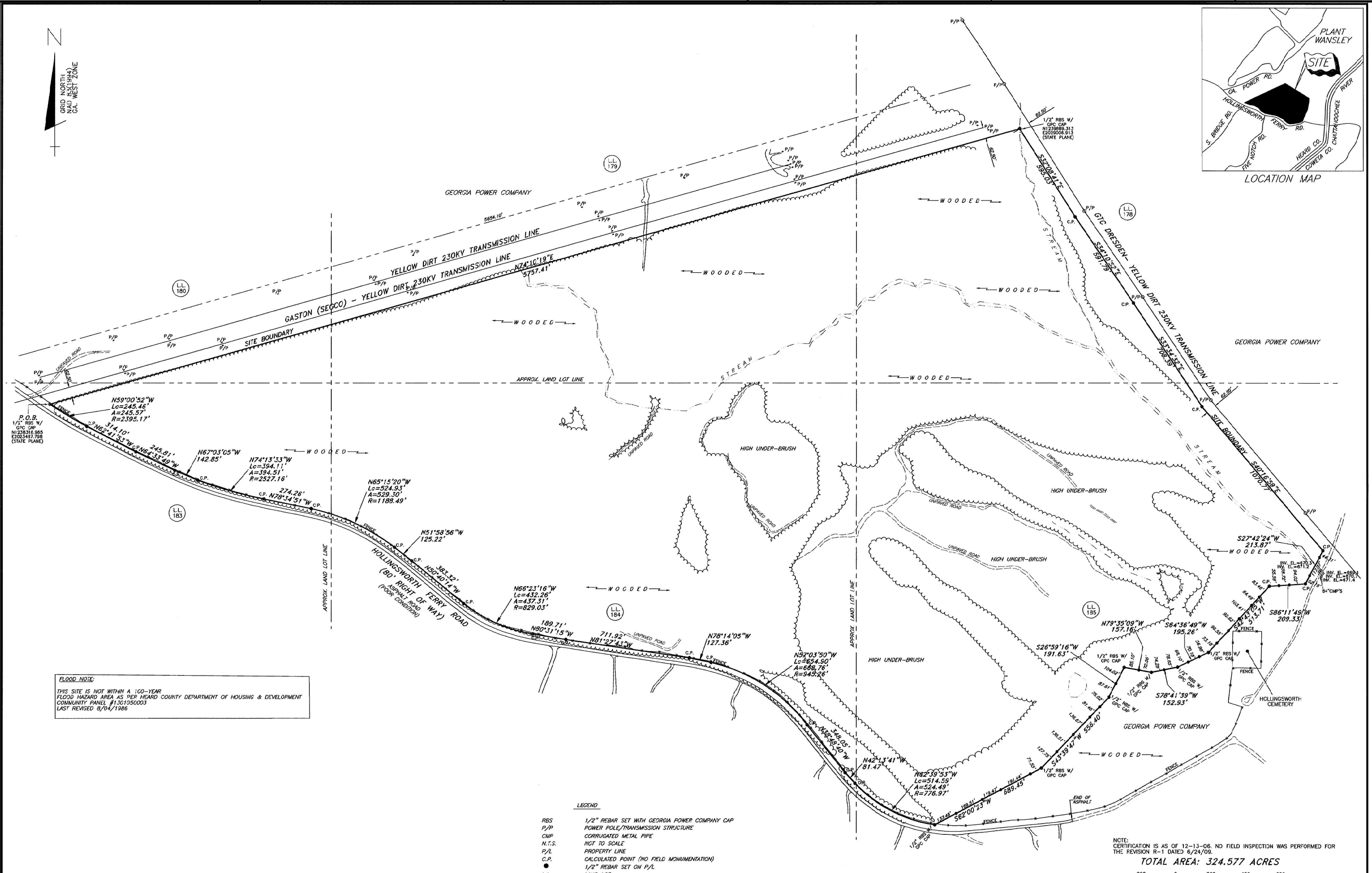
Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION RESIDUALS (CCR) LANDFILL
TITLE SHEET AND DRAWING INDEX

REVISION	DATE	DESCRIPTION	BY	CHK'D
3	05–03–2024	STREAM RELOCATION GRADING REVISION INCLUDING RETAINING WALL [BY HHNT, INC.]	RSW	RBL
2	01–08–2024	CONVENTIONAL CCR PLACEMENT MODIFICATIONS, OPTIONAL PASTING OPERATIONS [BY HHNT, INC.]	RSW	RBL
1	10–10–2023	REVISED PROPERTY BUFFER AND NORTHERN BUFFER IMPACTS, REMOVED SECURITY ROAD PLAN AND PROFILE SHEETS, DRAWINGS H1C1127 AND H1C11128 [BY HHNT, INC.]	RSW	RBL
0	09–23–2022	CCR LF PERMIT APPLICATION [BY HHNT, INC.]	ANR	RBL

SCALE	PROJ I.D.	DRAWING NUMBER	SHEET	CONT'D	REV
AS SHOWN	010209	H1C11120	1	FINAL	2

ANSI F: 40x28 Acad2008



The property is a portion of Land Lots 178, 179, 180, 183, 184 and 185, Fourth District, Heard County, Georgia and being more particularly described as follows:

Begin at the intersection of the northeasterly right of way of Hollingsworth Ferry Road (80'R/W) and the southerly right of way of the Gaston (SEGCO) –Yellow Dirt 230KV Transmission Line, said intersection is designated by a set 1/2"rebar with a GPC cap and has state plane coordinates (Georgia West – NAD 83 (1994)) of x = 2023467.80 feet and y = 1238318.97 feet; thence North 74°10'19"East along a grid bearing and coincident with said southerly right of way for a distance of 5757.41 feet to the intersection of said southerly right of way of the Gaston (SEGCO) –Yellow Dirt 230KV Transmission Line and the westerly right of way of the GTC Dresden –Yellow Dirt 230KV Transmission Line, said intersection is designated by a set 1/2" rebar with a GPC cap and has state plane coordinates (Georgia West – NAD 83 (1994)) of x = 2029006.91 feet and y = 1239889.31 feet; thence South 32°08'41"East along said westerly right of way for a distance of 595.03 feet; thence South 34°10'52"East along said westerly right of way for a distance of 591.79 feet; thence South 33°34'32"East along said westerly right of way for a distance of 708.39 feet; thence South 40°16'59"East along said westerly right of way for a distance of 1070.77 feet; thence South 27°42'24"West for a distance of 213.87 feet; thence South 86°11'49"West for a distance of 209.33 feet; thence South 42°43'05"West for a distance of 513.71 feet to a set 1/2"rebar with a GPC cap; thence South 64°36'49"West for a distance of 195.26 feet to a set 1/2"rebar with a GPC cap; thence South 78°41'39"West for a distance of 152.93 feet to a set 1/2"rebar with a GPC cap; thence North 79°35'09"West for a distance of 157.16 feet to a set 1/2"rebar with a GPC cap; thence South 26°59'16"West for a distance of 191.63 feet to a set 1/2"rebar with a GPC cap; thence South 43°39'47"West for a distance of 556.40 feet to a set 1/2"rebar with a GPC cap; thence South 62°00'23"West for a distance of 689.45 feet to a point on the northerly right of way of Hollingsworth Ferry Road (80'R/W), said point is designated by a set 1/2"rebar with a GPC cap; thence northwesterly along a non–tangential curve and coincident with said northerly right of way, said non–tangential curve being concave northeasterly, having a radius of 776.97 feet, chord length of 514.59 feet, chord bears North 62°39'53"West and an arc length of 524.49 feet; thence North 42°13'41"West along a non tangent line and being coincident with said right of way for a distance of 81.47 feet; thence North 38°48'40"West along said right of way for a distance of 348.05 feet; thence northwesterly along a non–tangential curve and coincident with said right of way, said non–tangential curve being concave southwesterly, having a radius of 945.26 feet, chord length of 654.90 feet, chord bears North 57°03'50"West and an arc length of 668.76 feet; thence North 78°14'05"West along a non tangent line and being coincident with said right of way for a distance of 127.36 feet; thence North 81°27'43"West along said right of way for a distance of 711.92 feet; thence North 80°31'15"West along said right of way for a distance of 189.71 feet; thence northwesterly along a non–tangential curve and coincident with said right of way, said non–tangential curve being concave northeasterly, having a radius of 829.03 feet, chord length of 432.26 feet, chord bears North 66°23'16"West and an arc length of 437.31 feet; thence North 50°40'14"West along a non tangent line and being coincident with said right of way for a distance of 383.32 feet; thence North 51°58'56"West along said right of way for a distance of 125.22 feet; thence northwesterly along a non–tangential curve and coincident with said right of way, said non–tangential curve being concave southwesterly, having a radius of 1188.49 feet, chord length of 524.93 feet, chord bears North 65°15'20"West and an arc length of 529.30 feet; thence North 78°34'51"West along a non tangent line and being coincident with said right of way for a distance of 274.26 feet; thence northwesterly along a non–tangential curve and coincident with said right of way, said non–tangential curve being concave northeasterly, having a radius of 2527.16 feet, chord length of 394.11 feet, chord bears North 74°13'33"West and an arc length of 394.51 feet; thence North 67°03'05"West along a non tangent line and being coincident with said right of way for a distance of 142.85 feet; thence North 64°33'49"West along said right of way for a distance of 245.81 feet; thence North 62°41'53"West along said right of way for a distance of 314.10 feet; thence northwesterly along a non–tangential curve and coincident with said right of way, said non–tangential curve being concave northeasterly, having a radius of 2395.17 feet, chord length of 245.46 feet, chord bears North 59°00'52"West and an arc length of 245.57 feet to the point of beginning and containing 324.577 acres, more or less.

GEORGIA Department of Natural Resources
Environmental Protection Division
Approved
Solid Waste Management Program
Approved By: Keith Stevens

LEGEND

RBS	1/2" REBAR SET WITH GEORGIA POWER COMPANY CAP
P/P	POWER POLE/TRANSMISSION STRUCTURE
CMP	CORRUGATED METAL PIPE
N.T.S.	NOT TO SCALE
P/L	PROPERTY LINE
C.P.	CALCULATED POINT (NO FIELD MONUMENTATION)
●	1/2" REBAR SET ON P/L
L.L.	LAND LOT
APPROX.	APPROXIMATE

The field data upon which this plat was compiled has an average angular error of 1 second per angle, and a closure precision of one foot in 34,975 ft. and was adjusted using the Least Squares Method.

This plat has been calculated for closure and its accuracy exceeds one foot in 789,307 ft.

Linear measurements obtained using TCRA 1105. Angular measurements obtained using TCRA 1105.

NOTES:

1. METRO ENGINEERING & SURVEYING CO., INC. DOES NOT WARRANT THE EXISTENCE OR NONEXISTENCE OF ANY WETLANDS OR HAZARDOUS WASTE IN THE SURVEYED SITE.
2. THE UNITS FOR THIS SURVEY ARE U.S. FEET.
3. THE DATE OF FIELD WORK FOR THIS SURVEY IS 9-26-06 THRU 12-4-06.
4. THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON VISIBLE STRUCTURES AND MAPS OR ON THE GROUND MARKINGS PROVIDED BY THE UTILITY COMPANIES SERVICING THAT UTILITY, AND ARE APPROXIMATE ONLY. THE PROPERTY SHOWN HEREON MAY BE SERVED BY UNDERGROUND UTILITIES WHICH ARE NOT SHOWN HEREON. ALL UTILITY COMPANIES SHOULD BE CONTACTED BEFORE BEGINNING ANY DESIGN OR CONSTRUCTION.

NOTE
COORDINATE VALUES SHOWN WERE ESTABLISHED FROM GEORGIA POWER CONTROL MONUMENTS "WANSLEY1" AND "WANSLEY3" USING G.P.S. METHODS.

NAME	NORTH.	EAST.	EL.
WANSLEY1	1,241,760.438	2,032,272.962	728.53
WANSLEY3	1,243,176.271	2,033,647.175	725.61

GEORGIA POWER CO., ATLANTA, GA.
Land Department
Plant Wansley
Coal Combustion By-Product Storage Facility
Site Boundary
Heard County, Georgia
DRAWING NUMBER M-200-1

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
THIS PLAT IS NOT VALID UNLESS SURVEYOR'S SIGNATURE APPEARS IN BLACK INK.
"QUALITY SERVICE SINCE 1967"

SITE BOUNDARY SURVEY FOR
THE SOUTHERN COMPANY
A PORTION OF PLANT WANSLEY
LAND LOTS: – 178, 179, 180, 183, 184 & 185
DISTRICT: – 4TH
COUNTY: – HEARD
STATE: – GEORGIA
DATE: 12-13-06 SCALE: 1"=200'
REVISIONS: (R-1) 6/24/09; (R-2) 6/29/09

REFERENCE DRAWINGS:

1. FOR A COMPLETE DRAWING LIST SEE SHEET H1C11120
2. COMPOSITE MAP OF PLANT WANSLEY COAL COMBUSTION BY–PRODUCT STORAGE FACILITY LAND DEPARTMENT MAP FILE NO. M–200.
3. GEORGIA POWER COMPANY LAND DEPARTMENT PROPERTY PLAT K–8–1, DATED 6–5–72.

Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION BY–PRODUCT DISPOSAL FACILITY
PERMITTED SITE BOUNDARY
PLAT AND LEGAL DESCRIPTION

REVISION	DATE	DESCRIPTION	BY	CHK'D
0	09-23-2022	CCR LF PERMIT APPLICATION [BY HHNT, INC.]	ANR	RBL

SCALE	PROJ I.D.	DRAWING NUMBER	SHEET	CONT'D	REV
AS SHOWN	010209	H1C11121	1	FINAL	0

ANSI F: 40x28 Acad2008

NOTE
ELEVATIONS AND COORDINATE VALUES SHOWN WERE ESTABLISHED FROM GEORGIA POWER CONTROL MONUMENTS "WANSLEY1" AND "WANSLEY3" USING G.P.S. METHODS. CONTOURS WERE ESTABLISHED FROM A FIELD RUN TOPOGRAPHIC SURVEY PERFORMED BY METRO ENGINEERING & SURVEY COMPANY INC. BETWEEN THE DATES OF JUNE 8, 2006 AND SEPT. 29, 2006.

NAME	NORTH.	EAST.	EL.
WANSLEY1	1,241,760.438	2,032,272.962	728.53
WANSLEY3	1,243,176.271	2,033,647.175	725.61

Point	North	East	Elev	Name
50	1239344.75	2026847.42	770.03	N&C
51	1239409.23	2027081.48	778.48	N&C
52	1239270.08	2026590.84	779.23	N&C
55	1238404.79	2023545.79	855.20	N&C
56	1238364.32	2023312.79	840.33	N&C
57	1239487.13	2027355.49	741.23	N&C
58	1239553.09	2027587.59	771.95	N&C
59	1239596.47	2027739.12	780.58	N&C
60	1239689.18	2028065.12	757.79	N&C
61	1239754.67	2028297.74	742.53	N&C
62	1239832.77	2028574.67	736.02	N&C
65	1238497.78	2023869.73	847.48	N&C
66	1238614.34	2024276.92	811.32	N&C
67	1238132.56	2023677.25	851.99	N&C
68	1237846.25	2024263.88	821.85	N&C
69	1239897.25	2028808.63	729.01	N&C
200	1237649.70	2024980.48	807.83	N&C
202	1236268.87	2027908.23	760.36	N&C
204	1235909.46	2029075.45	735.36	N&C
206	1236952.32	2030297.62	716.25	N&C

STATE PLANE COORDINATES, GEORGIA WEST ZONE, NAD83

CERTIFICATION:

THIS TOPOGRAPHIC MAP WAS PREPARED BY METRO ENGINEERING & SURVEYING CO., INC. FROM A FIELD RUN TOPOGRAPHIC SURVEY PERFORMED BETWEEN THE DATES OF JUNE 8, 2006 AND SEPT. 29, 2006. BASED ON THE DESCRIBED MAPPING PARAMETERS AND PROCEDURES, I CERTIFY THAT THIS TOPOGRAPHIC MAP WAS GENERATED AT 1"= 200' WITH A CONTOUR ACCURACY OF 1 FT. BASED ON NATIONAL MAPPING STANDARDS.

GARY H. McWHORTER, P.E.
GA. REG. NO. 012687

NOTES:

1. TOPOGRAPHIC SURVEY COMPLETED SEPTEMBER 29, 2006.
2. HORIZONTAL AND VERTICAL CONTROL PROVIDED BY GEORGIA POWER COMPANY LAND DEPARTMENT.

REFERENCE DRAWINGS:

1. FOR A COMPLETE DRAWING LIST SEE SHEET H1C11120
2. COMPOSITE MAP OF PLANT WANSLEY COAL COMBUSTION BY-PRODUCT STORAGE FACILITY LAND DEPARTMENT MAP FILE NO. M-200.
3. GEORGIA POWER COMPANY LAND DEPARTMENT PROPERTY PLAT K-8-1, DATED 6-5-72.

LEGEND:

PLAT ABBREVIATIONS

IPF – Iron Pin Found
IPS – 1/2" Rebar Set
CMF – Concrete Monument Found
FPS – Fence Post Set
OTP – Open Top Pipe
CTP – Crimp Top Pipe
Conc. – Concrete
Alumn. – Aluminum
P/L – Property Line
R/W – Right of Way
C/L – Centerline
F/L – Fenceline
T/L – Transmission Line
N/F – Now or Formerly
DB – Deed Book
PB – Plat Book
MF – Map File No.
GPC – Georgia Power Company

MONUMENTATION LEGEND

Depicts Iron Pin Set
Depicts Iron Pin Found
Depicts Monument Set
Depicts Monument Found
Depicts Unmonumented Point on Top of Bank
Survey Control Monument, Construction

UTILITY LEGEND

Powerline Tower
Power Pole

LINE LEGEND

Property Line
Site Boundary
Buffer Boundary
Fence
Existing Contours

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 27185 R. BRANT LANE 9/1/23

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 12687 GARY H. McWHORTER 8/31/23

GRAPHIC SCALE
200 0 100 200 400 800
(IN FEET)
1 inch = 200 ft.

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

Southern Company Generation Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION BY–PRODUCT DISPOSAL FACILITY
SITE TOPOGRAPHIC SURVEY

REVISION	DATE	DESCRIPTION	BY	CHK'D
1	8–30–2023	REVISED PROPERTY BUFFER AND NORTHERN BUFFER IMPACTS [BY HHNT, INC.]	RSW	RBL
0	09–23–2022	CCR LF PERMIT APPLICATION [BY HHNT, INC.]	ANR	RBL

SCALE	PROJ I.D.	DRAWING NUMBER	SHEET	CONT'D	REV
AS SHOWN	010209	H1C11122	1	FINAL	1

ANSI F: 40x28 Acad2008

REFERENCES:

DEPT. OF HOUSING AND URBAN DEVELOPMENT,
FEDERAL INSURANCE ADMINISTRATION,
HEARD CO., GA. (UNINC. AREAS)
FLOOD HAZARD BOUNDARY MAP 130105A, PAGE 4, APRIL 9, 1976

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

REFERENCE DRAWINGS:

1. FOR A COMPLETE DRAWING LIST SEE SHEET H1C11120
2. COMPOSITE MAP OF PLANT WANSLEY COAL COMBUSTION BY-PRODUCT STORAGE FACILITY LAND DEPARTMENT MAP FILE NO. M-200.
3. GEORGIA POWER COMPANY LAND DEPARTMENT PROPERTY PLAT K-8-1, DATED 6-5-72.

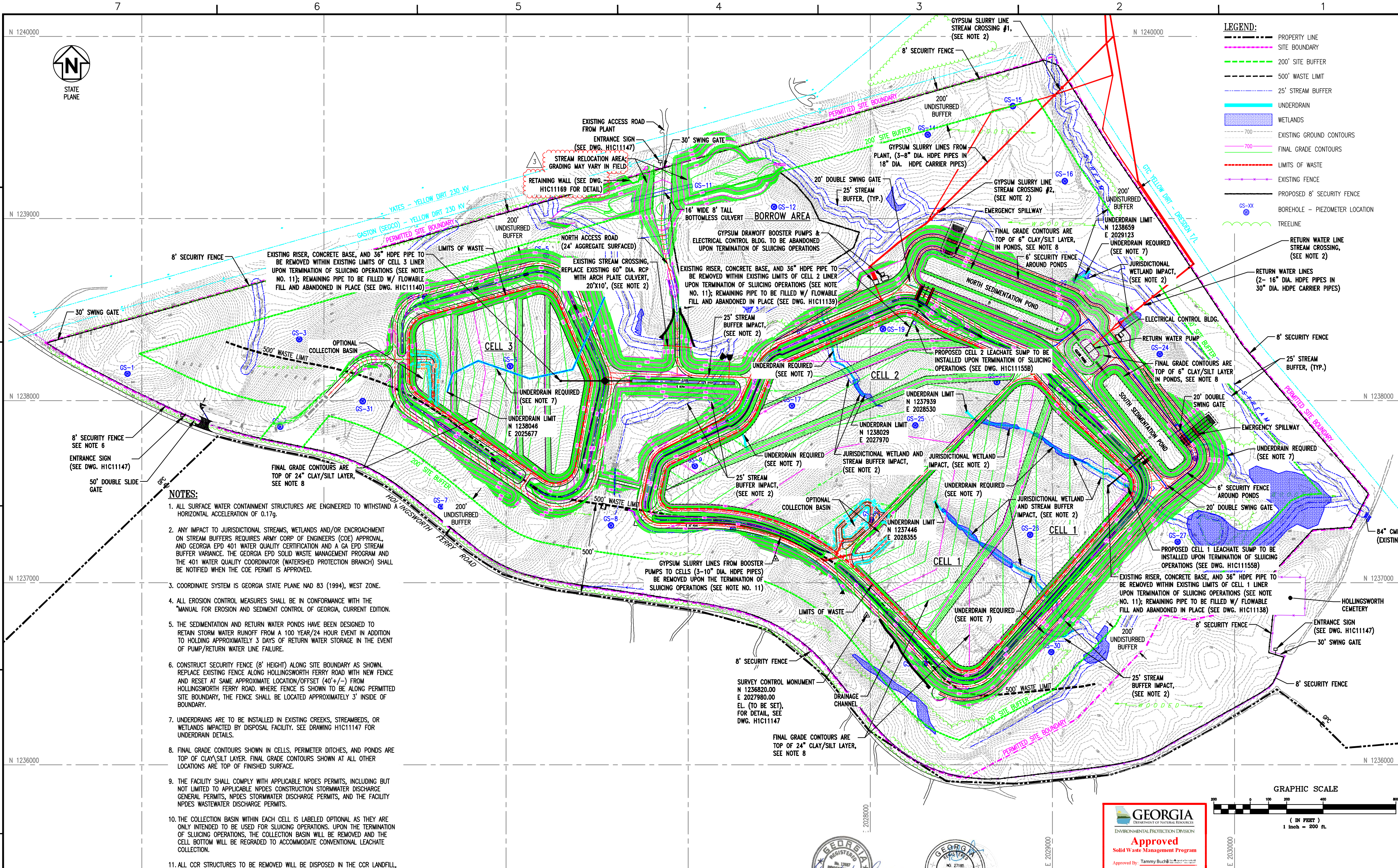
Southern Company Generation Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION BY-PRODUCT DISPOSAL FACILITY
SITE STREAM BUFFERS AND WETLANDS,
100 YEAR FLOOD PLAIN
AND BORING LOCATIONS

REVISION	DATE	DESCRIPTION	BY	CHK'D
1	8-30-2023	REVISED PROPERTY BUFFER AND NORTHERN BUFFER IMPACTS [BY HHNT, INC.]	RSW	RBL
0	09-23-2022	CCR LF PERMIT APPLICATION [BY HHNT, INC.]	ANR	RBL

SCALE	PROJ I.D.	DRAWING NUMBER	SHEET	CONT'D	REV
AS SHOWN	010209	H1C11123	1	FINAL	1

ANSI F: 40x28 Acad2008



FINAL GRADE CONTOURS ARE TOP OF 24" CLAY/SILT LAYER, SEE NOTE 8

NOTES:

1. ALL SURFACE WATER CONTAINMENT STRUCTURES ARE ENGINEERED TO WITHSTAND A HORIZONTAL ACCELERATION OF 0.17g.

2. ANY IMPACT TO JURISDICTIONAL STREAMS, WETLANDS AND/OR ENCROACHMENT ON STREAM BUFFERS REQUIRES ARMY CORP OF ENGINEERS (COE) APPROVAL, AND GEORGIA EPD 401 WATER QUALITY CERTIFICATION AND A GA EPD STREAM BUFFER VARIANCE. THE GEORGIA EPD SOLID WASTE MANAGEMENT PROGRAM AND THE 401 WATER QUALITY COORDINATOR (WATERSHED PROTECTION BRANCH) SHALL BE NOTIFIED WHEN THE COE PERMIT IS APPROVED.

3. COORDINATE SYSTEM 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. THE SEDIMENTATION AND RETURN WATER PONDS HAVE BEEN DESIGNED TO RETAIN STORM WATER RUNOFF FROM A 100 YEAR/24 HOUR EVENT IN ADDITION TO HOLDING APPROXIMATELY 3 DAYS OF RETURN WATER STORAGE IN THE EVENT OF PUMP/RETURN WATER LINE FAILURE.

6. CONSTRUCT SECURITY FENCE (8' HEIGHT) ALONG SITE BOUNDARY AS SHOWN. REPLACE EXISTING FENCE ALONG HOLLINGSWORTH FERRY ROAD WITH NEW FENCE AND RESET AT SAME APPROXIMATE LOCATION/OFFSET (40'+/-) FROM HOLLINGSWORTH FERRY ROAD. WHERE FENCE IS SHOWN TO BE ALONG PERMITTED SITE BOUNDARY, THE FENCE SHALL BE LOCATED APPROXIMATELY 3' INSIDE OF BOUNDARY.

7. UNDERDRAINS ARE TO BE INSTALLED IN EXISTING CREEKS, STREAMBEDS, OR WETLANDS IMPACTED BY DISPOSAL FACILITY. SEE DRAWING H1C11147 FOR UNDERDRAIN DETAILS.

8. FINAL GRADE CONTOURS SHOWN IN CELLS, PERIMETER DITCHES, AND PONDS ARE TOP OF CLAY\SILT LAYER. FINAL GRADE CONTOURS SHOWN AT ALL OTHER LOCATIONS ARE TOP OF FINISHED SURFACE.

9. THE FACILITY SHALL COMPLY WITH APPLICABLE NPDES PERMITS, INCLUDING BUT NOT LIMITED TO APPLICABLE NPDES CONSTRUCTION STORMWATER DISCHARGE GENERAL PERMITS, NPDES STORMWATER DISCHARGE PERMITS, AND THE FACILITY NPDES WASTEWATER DISCHARGE PERMITS.

10. THE COLLECTION BASIN WITHIN EACH CELL IS LABELED OPTIONAL AS THEY ARE ONLY INTENDED TO BE USED FOR SLUICING OPERATIONS. UPON THE TERMINATION OF SLUICING OPERATIONS, THE COLLECTION BASIN WILL BE REMOVED AND THE CELL BOTTOM WILL BE REGRADED TO ACCOMMODATE CONVENTIONAL LEACHATE COLLECTION.

11. ALL CCR STRUCTURES TO BE REMOVED WILL BE DISPOSED IN THE CCR LANDFILL, DISPOSED IN AN APPROPRIATE OFF-SITE FACILITY, OR CLEANED AND REUSED OR RECYCLED.

12. BORING LOCATIONS AND VICINITY WILL BE RESTORED TO A NATURAL STATE FOLLOWING COMPLETION OF THE BORINGS.

REFERENCE DRAWINGS:

H1C11120 TITLE SHEET AND DRAWING INDEX

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

5/3/24

REVISION	DATE	DESCRIPTION	BY	CHK'D
3	05-03-2024	STREAM RELOCATION GRADING MODIFICATION TO INCLUDE RETAINING WALL [BY HHNT, INC.]	RSW	RBL
2	01-08-2024	ADDED CELL 1 & 2 LEACHATE SUMPS AND CONVENTIONAL CCR PLACEMENT MODIFICATIONS [BY HHNT, INC.]	RSW	RBL
1	10-10-2023	REVISED PROPERTY BUFFER AND NORTHERN BUFFER IMPACTS [BY HHNT, INC.]	RSW	RBL
0	09-23-2022	CCR LF PERMIT APPLICATION [BY HHNT, INC.]	ANR	RBL

Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION RESIDUALS (CCR) LANDFILL
GENERAL SITE DEVELOPMENT
CELL LAYOUT

SCALE	DRAWING NUMBER	SHEET	CONT'D	REV
1"=200'	H1C11124	1	FINAL	2

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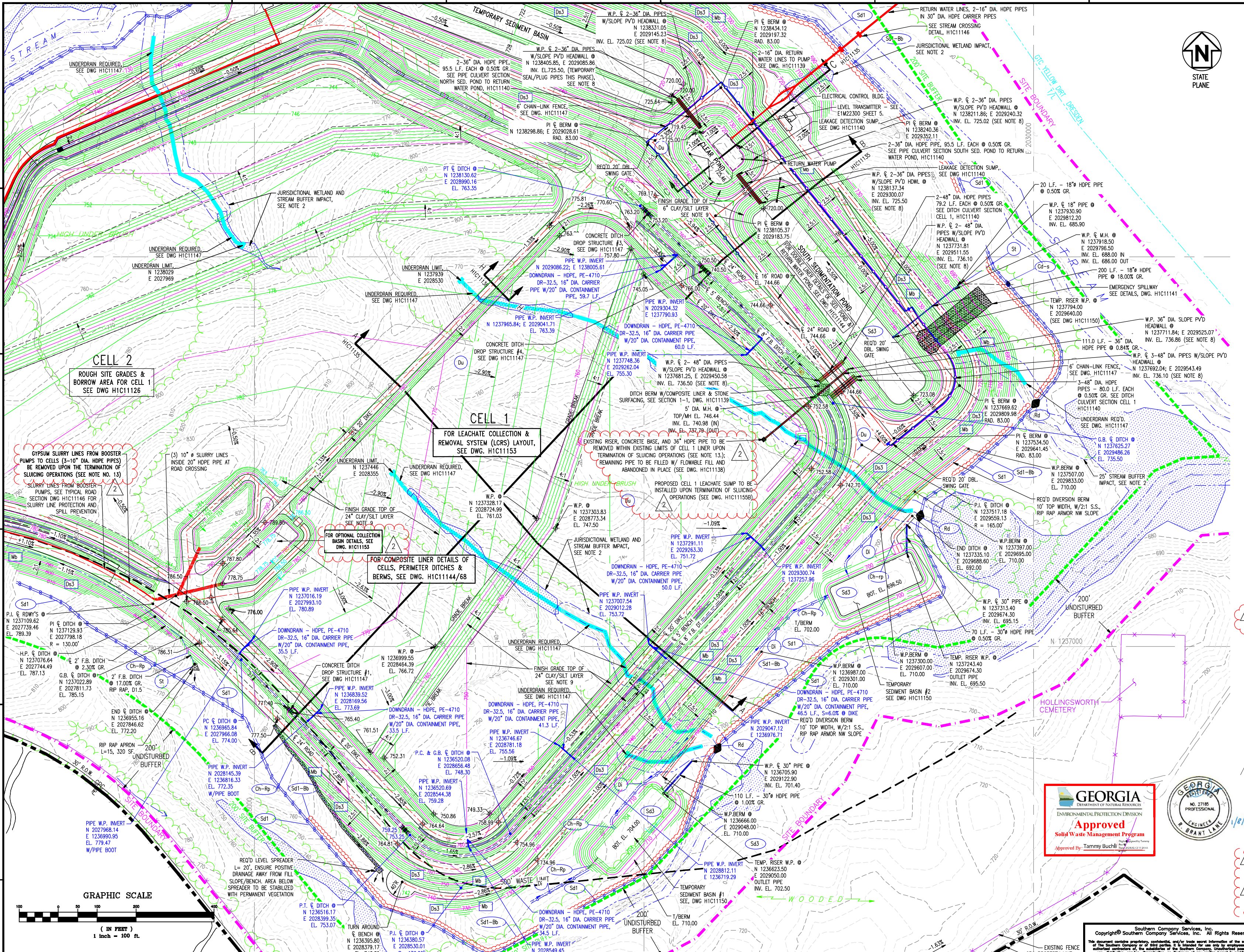


LEGEND:

	PROPERTY LINE
	SITE BOUNDARY
	200' SITE BUFFER
	500' WASTE LIMIT
	STREAMS
	25' STREAM BUFFER
	LIMITS OF CLEARING (SECURITY ROAD)
	UNDERDRAIN EXTENTS (APPROXIMATE)
	WETLANDS
700	EXISTING GROUND CONTOURS
700	FINAL GRADE CONTOURS
	EXISTING SECURITY FENCE
	PROPOSED SECURITY FENCE
XXX.XX	SPOT ELEVATIONS
	TREELINE

EROSION CONTROL LEGEND

Sd1	SILT FENCE (SEE DWG H1C11149)
Di	DIVERSION (SEE DWG H1C11149)
Lv	LEVEL SPREADER
Du	DUST CONTROL
Cd-s	STONE CHECK DAM (2"-10" STONE)
Sd3	TEMPORARY SEDIMENT BASIN
Ds3	DISTURBED AREA STABILIZATION (PERMANENT VEGETATION)
Sd1-Bb	BRUSH BARRIER
Rd	ROCK FILTER DAM
Ch-rp	CHANNEL STABILIZATION (RIPRAP)
Mb	EROSION CONTROL MATTING
St	STORM DRAIN OUTLET PROTECTION

NOTES:

2
1. ALL SURFACE WATER CONTAINMENT STRUCTURES ARE ENGINEERED TO WITHSTAND A HORIZONTAL ACCELERATION OF 0.17g.
2. ANY IMPACT TO JURISDICTIONAL STREAMS, WETLANDS AND/OR ENCROACHMENT ON STREAM BUFFERS REQUIRES ARMY CORP OF ENGINEERS (COE) APPROVAL, AND GEORGIA EPD 401 WATER QUALITY CERTIFICATION AND A GA EPD STREAM BUFFER VARIANCE. THE GEORGIA EPD SOLID WASTE MANAGEMENT PROGRAM AND THE 401 WATER QUALITY COORDINATOR (WATERSHED PROTECTION BRANCH) SHALL BE NOTIFIED WHEN THE COE PERMIT IS APPROVED.
3. COORDINATE SYSTEM 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. SEE DRAWING H1C11124 FOR SURVEY CONTROL MONUMENT LOCATION.
6. SEE DRAWING H1C11143 FOR DETAILS OF DECANT RISER STRUCTURE. UPON THE FILLING/STACKING OF GYPSUM TO LIMITS OF RISER, THE STRUCTURE SHALL BE FILLED WITH CONCRETE, ABANDONED AND REPLACED WITH A SIPHON DISCHARGE STRUCTURE. SEE GENERAL GYPSUM STACKING AND OPERATION PLAN, DWG H1C11142.
7. FOR TYPICAL ROADWAY SECTIONS SEE DRAWING H1C11146.
8. SEE DRAWING H1C11145 FOR TYPICAL HEADWALL DETAILS AND SECTIONS.

2
9. BASE GRADE ELEVATIONS SHOWN FOR THE CELLS AND POND BOTTOMS REPRESENT TOP OF CLAY/SILT LAYER. ADDITIONAL SAND OR SOIL/MARKER BED MATERIAL WILL BE REQUIRED ABOVE THIS SURFACE. SEE CELL AND POND COMPOSITE LINER DETAILS; DRAWING H1C11144/H1C11168. CELL NO. 2 SHOWN ON THIS DRAWING HAS NO LINER BUILDUP AND THE GRADES SHOWN AREA AT SUBGRADE ELEVATION (I.E. HDPE LINER ELEVATION MINUS 2 FEET).
10. REFER TO SHEET H1C11148 FOR TYPICAL DOWNDRAIN DETAILS.
11. THE FACILITY SHALL COMPLY WITH APPLICABLE NPDES PERMITS, INCLUDING BUT NOT LIMITED TO APPLICABLE NPDES CONSTRUCTION STORMWATER DISCHARGE GENERAL PERMITS, NPDES STORMWATER DISCHARGE PERMITS, AND THE FACILITY NPDES WASTEWATER DISCHARGE PERMITS.

2
12. THE COLLECTION BASIN WITHIN EACH CELL IS LABELED OPTIONAL AS THEY ARE ONLY INTENDED TO BE USED FOR SLUICING OPERATIONS. UPON THE TERMINATION OF SLUICING OPERATIONS, THE COLLECTION BASIN WILL BE REMOVED AND THE CELL BOTTOM WILL BE REGRADED TO ACCOMMODATE CONVENTIONAL LEACHATE COLLECTION.

2
13. ALL CCR STRUCTURES TO BE REMOVED WILL BE DISPOSED IN THE CCR LANDFILL, DISPOSED IN AN APPROPRIATE OFF-SITE FACILITY, OR CLEANED AND REUSED OR RECYCLED.

GEORGIA REGISTERED NO. 27185 PROFESSIONAL ENGINEER R. BRANT LANE 1/8/24

REVISION 2	DATE 01-08-2024	REVISION 1	DATE 10-10-2023	REVISION 0	DATE 09-23-2022
ADD LEACHATE SUMP AND CONVENTIONAL CCR PLACEMENT MODIFICATIONS [BY HHNT, INC.]		REVISED PROPERTY BUFFER AND NORTHERN BUFFER IMPACTS [BY HHNT, INC.]		CCR LF PERMIT APPLICATION [BY HHNT, INC.]	

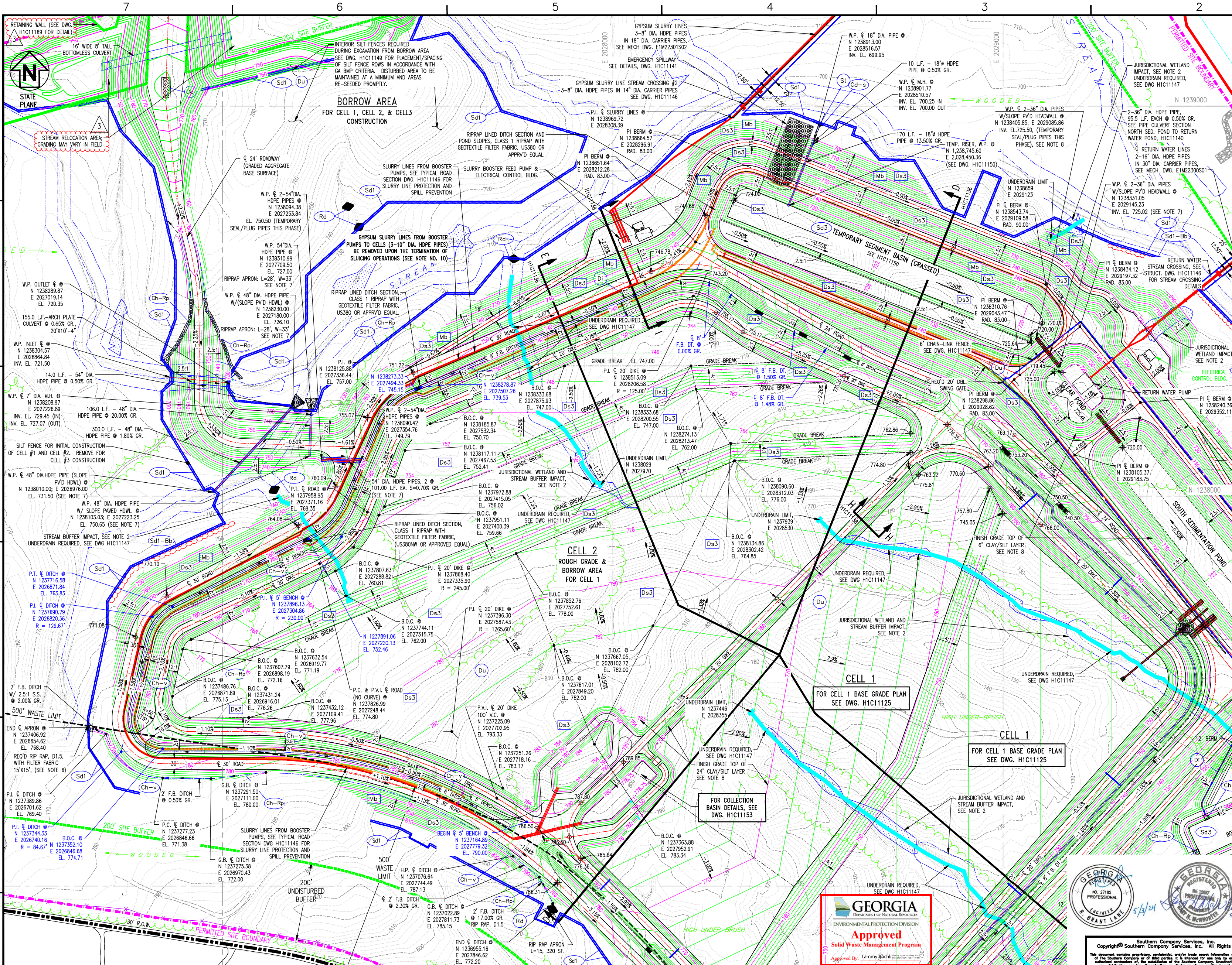
REV	BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR
2	RSW	RBL					
1	RSW	RBL					
0	ANR	RBL					

Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION RESIDUALS (CCR) LANDFILL
CELL NO. 1 SITE DEVELOPMENT
BASE GRADE PLAN

SCALE	DRAWING NUMBER	SHEET	CONT'D	REV
1"=100'	H1C11125	1	FINAL	2

Acad2008 ANSI F: 40x28



LEGEND:

- PROPERTY LINE
- SITE BOUNDARY
- 200' SITE BUFFER
- 500' WASTE LIMIT
- STREAMS
- 25' STREAM BUFFER
- LIMITS OF CLEARING (SECURITY ROAD)
- UNDERDRAIN EXTENTS (APPROXIMATE)
- WETLANDS
- EXISTING GROUND CONTOURS
- FINAL GRADE CONTOURS
- EXISTING SECURITY FENCE
- PROPOSED SECURITY FENCE
- TREELINE

EROSION CONTROL LEGEND

- Sd1 — SILT FENCE (SEE DWG. H1C11149)
- Di — DIVERSION (SEE DWG. H1C11149)
- Lv — LEVEL SPREADER
- Du — DUST CONTROL
- Cd-s — STONE CHECK DAM (2"-10" STONE)
- Sd3 — TEMPORARY SEDIMENT BASIN
- Ds3 — DISTURBED AREA STABILIZATION (PERMANENT VEGETATION)
- Sd1-Bb — BRUSH BARRIER
- Rd — ROCK FILTER DAM
- Ch-rp — CHANNEL STABILIZATION (RIPRAP)
- Ch-v — CHANNEL STABILIZATION (VEGETATED)
- Mb — EROSION CONTROL MATTING

NOTES:

1. ALL SURFACE WATER CONTAINMENT STRUCTURES ARE ENGINEERED TO WITHSTAND A HORIZONTAL ACCELERATION OF 0.17g.
2. ANY IMPACT TO JURISDICTIONAL STREAMS, WETLANDS AND/OR ENCROACHMENT ON STREAM BUFFERS REQUIRES ARMY CORP OF ENGINEERS (COE) APPROVAL, AND GEORGIA EPD 401 WATER QUALITY CERTIFICATION AND A GA EPD STREAM BUFFER VARIANCE. THE GEORGIA EPD SOLID WASTE MANAGEMENT PROGRAM AND THE 401 WATER QUALITY COORDINATOR (WATERSHED PROTECTION BRANCH) SHALL BE NOTIFIED WHEN THE COE PERMIT IS APPROVED.
3. COORDINATE SYSTEM 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. SEE DRAWING H1C11124 FOR SURVEY CONTROL MONUMENT LOCATION.
6. FOR TYPICAL ROADWAY SECTIONS SEE DRAWING H1C11146.
7. SEE DRAWING H1C11145 FOR TYPICAL HEADWALL DETAILS AND SECTIONS.
8. BASE GRADE ELEVATIONS SHOWN FOR THE CELLS AND POND BOTTOMS REPRESENT TOP OF CLAY/SILT LAYER. ADDITIONAL SAND OR SOIL/MARKER BED MATERIAL WILL BE REQUIRED ABOVE THIS SURFACE. SEE CELL AND POND COMPOSITE LINER DETAILS, DRAWING H1C11144. CELL NO. 2 SHOWN ON THIS DRAWING HAS NO LINER BUILDUP AND THE GRADES SHOWN ARE AT SUBGRADE ELEVATION (I.E. HDPE LINER ELEVATION MINUS 2 FEET),
9. THE FACILITY SHALL COMPLY WITH APPLICABLE NPDES PERMITS, INCLUDING BUT NOT LIMITED TO APPLICABLE NPDES CONSTRUCTION STORMWATER DISCHARGE GENERAL PERMITS, NPDES STORMWATER DISCHARGE PERMITS, AND THE FACILITY NPDES WASTEWATER DISCHARGE PERMITS.
10. ALL CCR STRUCTURES TO BE REMOVED WILL BE DISPOSED IN THE CCR LANDFILL, DISPOSED IN AN APPROPRIATE OFF-SITE FACILITY, OR CLEANED AND REUSED OR RECYCLED.
11. BORING LOCATIONS AND VICINITY WILL BE RESTORED TO A NATURAL STATE FOLLOWING COMPLETION OF THE BORINGS.

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

GEORGIA REGISTERED NO. 27185 PROFESSIONAL ENGINEER R. BRANT LANE 5/3/24

GEORGIA REGISTERED No. 12687 PROFESSIONAL ENGINEER GARY H. McWHORTER 5/3/2024

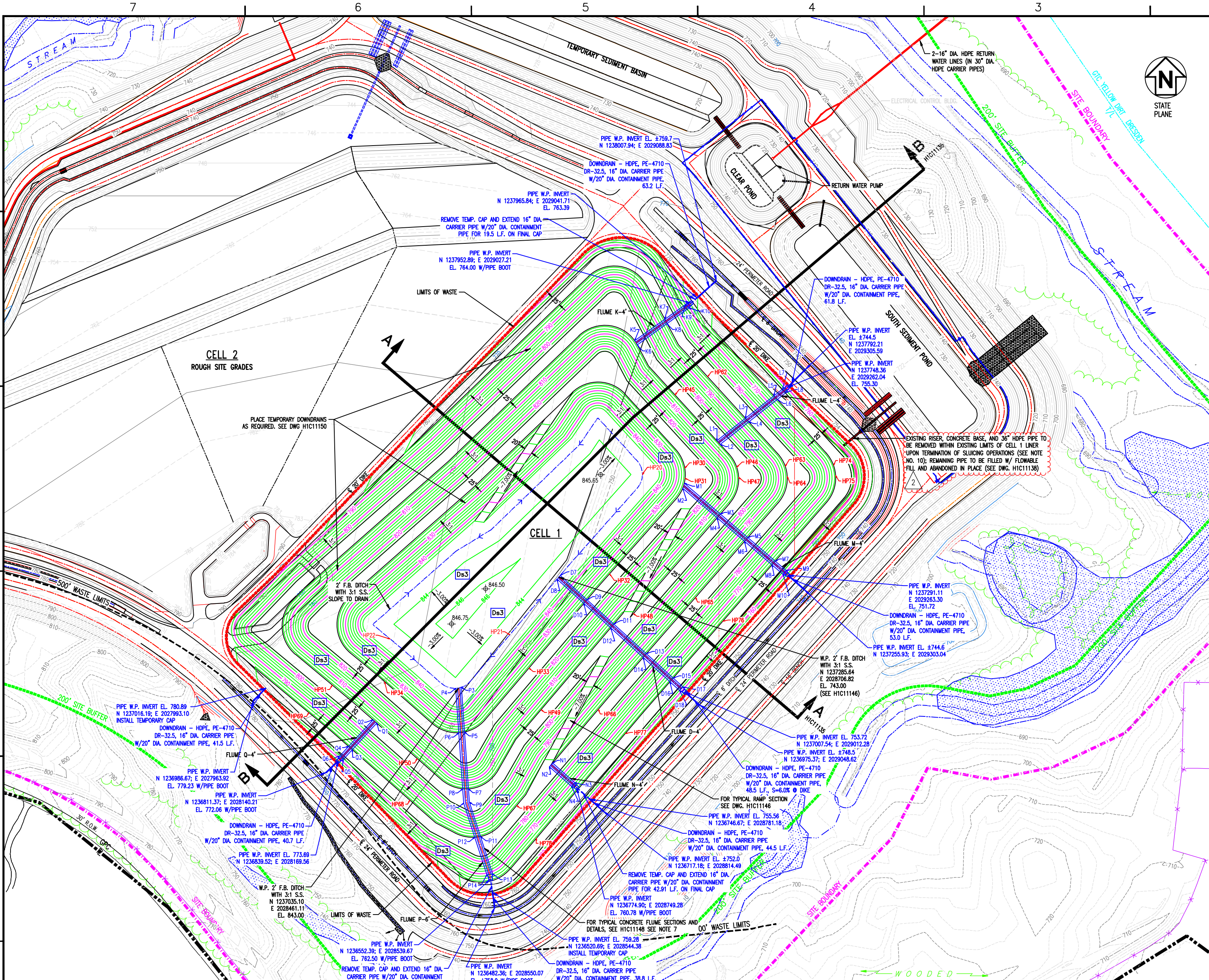
Southern Company Generation Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION RESIDUALS (CCR) LANDFILL
CELL NO.2 SITE DEVELOPMENT
ROUGH GRADE/BORROW PLAN

REVISION	DATE	DESCRIPTION	BY	CHK'D
REVISION 3	05-03-2024	STREAM RELOCATION GRADING MODIFICATION TO INCLUDE RETAINING WALL [BY HHNT, INC.]	RSW	RBL
REVISION 2	01-08-2024	CONVENTIONAL CCR PLACEMENT MODIFICATIONS [BY HHNT, INC.]	RSW	RBL
REVISION 1	10-10-2023	REVISED PROPERTY BUFFER AND NORTHERN BUFFER IMPACTS [BY HHNT, INC.]	RSW	RBL
REVISION 0	09-23-2022	CCR LF PERMIT APPLICATION [BY HHNT, INC.]	ANR	RBL

SCALE	DRAWING NUMBER	SHEET	CONT'D	REV
1"=100'	H1C11126	1	FINAL	2

Acad2008 ANSI F: 40x28



STATE PLANE

LEGEND:

- PROPERTY LINE
- SITE BOUNDARY
- 200' SITE BUFFER
- 500' WASTE LIMIT
- STREAMS
- 25' STREAM BUFFER
- LIMITS OF CLEARING (SECURITY ROAD)
- LIMITS OF WASTE
- WETLANDS
- EXISTING GROUND CONTOURS
- FINAL GRADE CONTOURS
- EXISTING SECURITY FENCE
- PROPOSED SECURITY FENCE
- SPOT ELEVATIONS
- TREELINE

EROSION CONTROL LEGEND

- Ds3 DISTURBED AREA STABILIZATION (PERMANENT VEGETATION)

REFERENCES:

H1C11120 TITLE SHEET AND DRAWING INDEX
H1C11135 CELL NO. 1, SECTIONS THRU STACK
H1C11146 MISCELLANEOUS SECTIONS AND DETAILS, SHEET 1
H1C11148 MISCELLANEOUS SECTIONS AND DETAILS, SHEET 3
H1C11151 SIPHON SECTIONS AND DETAILS
H1C11152 FLUME DATA SHEET

NOTES:

1. ALL SURFACE WATER CONTAINMENT STRUCTURES ARE ENGINEERED TO WITHSTAND A HORIZONTAL ACCELERATION OF 0.17g.
2. ANY IMPACT TO JURISDICTIONAL STREAMS, WETLANDS AND/OR ENCROACHMENT ON STREAM BUFFERS REQUIRES ARMY CORP OF ENGINEERS (COE) APPROVAL, AND GEORGIA EPD 401 WATER QUALITY CERTIFICATION AND A GA EPD STREAM BUFFER VARIANCE. THE GEORGIA EPD SOLID WASTE MANAGEMENT PROGRAM AND THE 401 WATER QUALITY COORDINATOR (WATERSHED PROTECTION BRANCH) SHALL BE NOTIFIED WHEN THE COE PERMIT IS APPROVED.
3. COORDINATE SYSTEM 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. SEE DRAWING H1C11124 FOR SURVEY CONTROL MONUMENT LOCATION.
6. FOR TYPICAL ROADWAY/RAMP SECTIONS SEE DRAWING H1C11146.
7. PERMANENT DOWNDRAINS TO BE CONSTRUCTED UPON COMPLETION OF PLACEMENT OF FINAL COVER
8. REFER TO SHEET H1C11148 FOR TYPICAL DOWNDRAIN DETAILS.
9. THE FACILITY SHALL COMPLY WITH APPLICABLE NPDES PERMITS, INCLUDING BUT NOT LIMITED TO APPLICABLE NPDES CONSTRUCTION STORMWATER DISCHARGE GENERAL PERMITS, NPDES STORMWATER DISCHARGE PERMITS, AND THE FACILITY NPDES WASTEWATER DISCHARGE PERMITS.
10. ALL CCR STRUCTURES TO BE REMOVED WILL BE DISPOSED IN THE CCR LANDFILL, DISPOSED IN AN APPROPRIATE OFF-SITE FACILITY, OR CLEANED AND REUSED OR RECYCLED.

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

GEORGIA REGISTERED NO. 27185 PROFESSIONAL ENGINEER
1/8/24

GRAPHIC SCALE

(IN FEET)
1 inch = 100 ft.

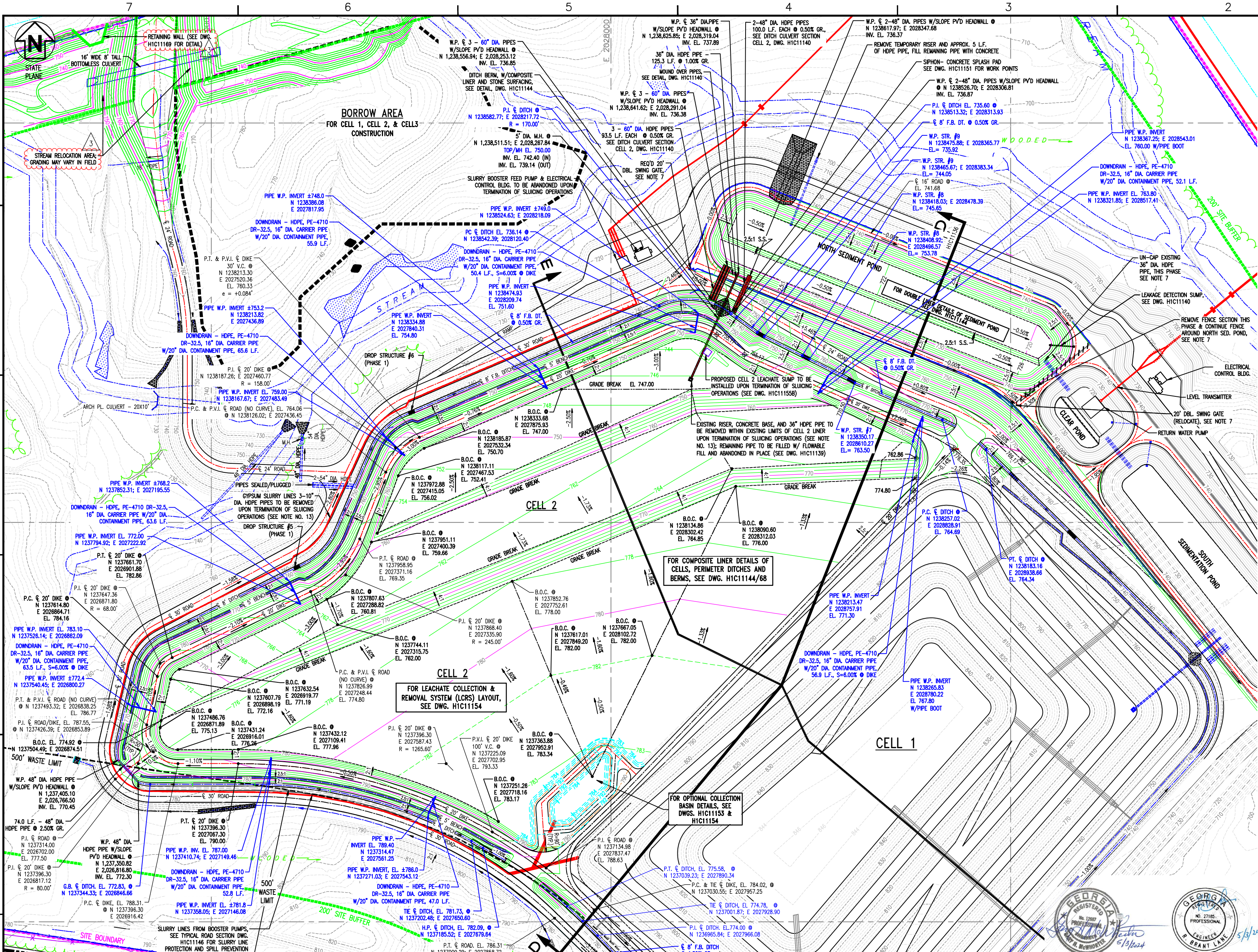
Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION RESIDUALS (CCR) LANDFILL
CELL NO. 1 SITE DEVELOPMENT
FINAL STACKING PLAN

REVISION	DATE	DESCRIPTION	BY	CHK'D
2	01-08-2024	CONVENTIONAL CCR PLACEMENT MODIFICATIONS [BY HHNT, INC.]	RSW	RBL
1	10-10-2023	REVISED PROPERTY BUFFER AND BUFFER IMPACTS [BY HHNT, INC.]	RSW	RBL
0	09-23-2022	CCR LF PERMIT APPLICATION [BY HHNT, INC.]	ANR	RBL

SCALE	DRAWING NUMBER	SHEET	CONT'D	REV
1"=100'	H1C11130	1	FINAL	2

Acad2008 ANSI F: 40x28



LEGEND:

- PROPERTY LINE
- SITE BOUNDARY
- 200' SITE BUFFER
- 500' WASTE LIMIT
- STREAMS
- 25' STREAM BUFFER
- LIMITS OF CLEARING (SECURITY ROAD)
- WETLANDS
- 700 EXISTING GROUND CONTOURS
- 700 FINAL GRADE CONTOURS
- EXISTING SECURITY FENCE
- PROPOSED SECURITY FENCE
- XXX.XX SPOT ELEVATIONS
- DOWNDRAIN
- TREELINE

EROSION CONTROL LEGEND

- Sd1 SILT FENCE (SEE DWG. H1C11149)
- Di DIVERSION (SEE DWG. H1C11149)
- Lv LEVEL SPREADER
- Du DUST CONTROL
- Cd-s STONE CHECK DAM (2"-10" STONE)
- Sd3 TEMPORARY SEDIMENT BASIN
- Ds3 DISTURBED AREA STABILIZATION (PERMANENT VEGETATION)
- Sd1-Bb BRUSH BARRIER
- Rd ROCK FILTER DAM
- Ch-rp CHANNEL STABILIZATION (RIPRAP)
- Ch-v CHANNEL STABILIZATION (VEGETATED)
- Mb EROSION CONTROL MATTING

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

NOTES:

1. ALL SURFACE WATER CONTAINMENT STRUCTURES ARE ENGINEERED TO WITHSTAND A HORIZONTAL ACCELERATION OF 0.17g.
2. ANY IMPACT TO JURISDICTIONAL STREAMS, WETLANDS AND/OR ENCROACHMENT ON STREAM BUFFERS REQUIRES ARMY CORP OF ENGINEERS (COE) APPROVAL, AND GEORGIA EPD 401 WATER QUALITY CERTIFICATION AND A GA EPD STREAM BUFFER VARIANCE. THE GEORGIA EPD SOLID WASTE MANAGEMENT PROGRAM AND THE 401 WATER QUALITY COORDINATOR (WATERSHED PROTECTION BRANCH) SHALL BE NOTIFIED WHEN THE COE PERMIT IS APPROVED.
3. COORDINATE SYSTEM 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. SEE DRAWING H1C11124 FOR SURVEY CONTROL MONUMENT LOCATION.
6. SEE DRAWING H1C11143 FOR DETAILS OF DECANT RISER STRUCTURE. UPON THE FILLING/STACKING OF GYPSUM TO LIMITS OF RISER, THE STRUCTURE SHALL BE FILLED WITH CONCRETE, ABANDONED AND REPLACED WITH A SIPHON DISCHARGE STRUCTURE. SEE GENERAL GYPSUM STACKING AND OPERATION PLAN, DWG. H1C11142.
7. FOR TYPICAL ROADWAY SECTIONS SEE DRAWING H1C11146.
8. SEE DRAWING H1C11145 FOR TYPICAL HEADWALL DETAILS AND SECTIONS.
9. BASE GRADE ELEVATIONS SHOWN FOR THE CELLS AND POND BOTTOMS REPRESENT TOP OF CLAY/SILT LAYER. ADDITIONAL SAND OR SOIL/MARKER BED MATERIAL WILL BE REQUIRED ABOVE THIS SURFACE. SEE CELL AND POND COMPOSITE LINER DETAILS, DRAWING H1C11144/H1C11168.
10. REFER TO SHEET H1C11148 FOR TYPICAL DOWNDRAIN DETAILS.
11. THE FACILITY SHALL COMPLY WITH APPLICABLE NPDES PERMITS, INCLUDING BUT NOT LIMITED TO APPLICABLE NPDES CONSTRUCTION STORMWATER DISCHARGE GENERAL PERMITS, NPDES STORMWATER DISCHARGE PERMITS, AND THE FACILITY NPDES WASTEWATER DISCHARGE PERMITS.
12. THE COLLECTION BASIN WITHIN EACH CELL IS LABELED OPTIONAL AS THEY ARE ONLY INTENDED TO BE USED FOR SLUICING OPERATIONS. UPON THE TERMINATION OF SLUICING OPERATIONS, THE COLLECTION BASIN WILL BE REMOVED AND THE CELL BOTTOM WILL BE REGRADED TO ACCOMMODATE CONVENTIONAL LEACHATE COLLETION.
13. ALL CCR STRUCTURES TO BE REMOVED WILL BE DISPOSED IN THE CCR LANDFILL, DISPOSED IN AN APPROPRIATE OFF-SITE FACILITY, OR CLEANED AND REUSED OR RECYCLED.
14. BORING LOCATIONS AND VICINITY WILL BE RESTORED TO A NATURAL STATE FOLLOWING COMPLETION OF THE BORINGS.

GRAPHIC SCALE
100 0 50 100 200 400
(IN FEET)
1 inch = 100 ft.

GEORGIA REGISTERED No. 12687 PROFESSIONAL ENGINEER ... H. McWHORTER 5/3/2024
GEORGIA REGISTERED NO. 27185 PROFESSIONAL ENGINEER R. BRANT LANE 5/3/24

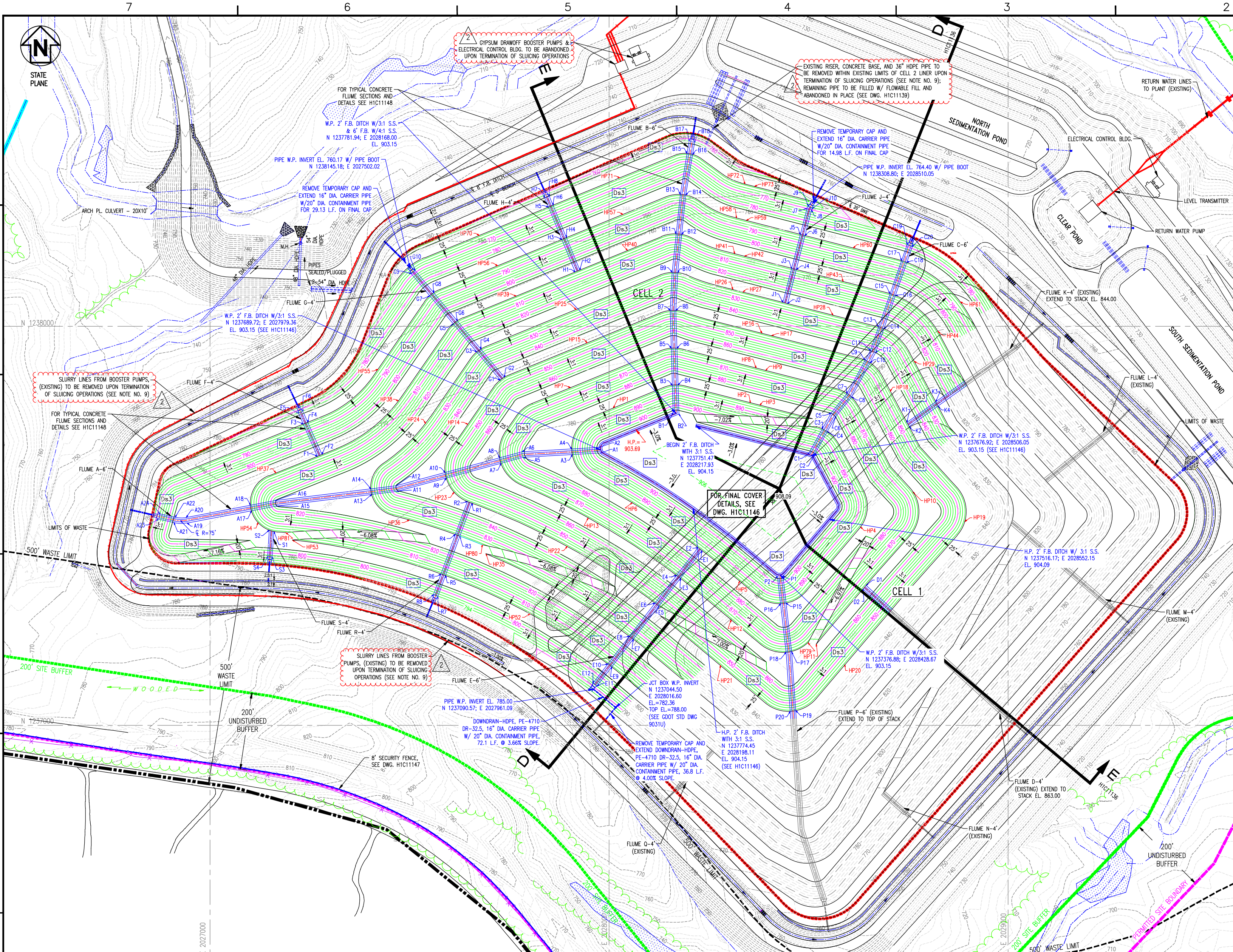
Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION RESIDUALS (CCR) LANDFILL
CELL NO. 2 SITE DEVELOPMENT
BASE GRADING PLAN

REVISION	DATE	DESCRIPTION	BY	CHK'D
3	05-03-2024	STREAM RELOCATION GRADING MODIFICATION TO INCLUDE RETAINING WALL [BY HHNT, INC.]	RSW	RBL
2	01-08-2024	ADD LEACHATE SUMP AND CONVENTIONAL CCR PLACEMENT MODIFICATIONS [BY HHNT, INC.]	RSW	RBL
1	10-10-2023	REVISED PROPERTY BUFFER AND NORTHERN BUFFER IMPACTS [BY HHNT, INC.]	RSW	RBL
0	09-23-2022	CCR LF PERMIT APPLICATION [BY HHNT, INC.]	ANR	RBL

SCALE	DRAWING NUMBER	SHEET	CONT'D	REV
1"=100'	H1C11131	1	FINAL	2

Acad2008 ANSI F: 40x28



LEGEND:

- PROPERTY LINE
- SITE BOUNDARY
- 200' UNDISTURBED BUFFER
- 500' WASTE LIMIT
- STREAMS
- 25' STREAM BUFFER
- LIMITS OF CLEARING (SECURITY ROAD)
- LIMITS OF WASTE
- WETLANDS
- EXISTING GROUND CONTOURS
- FINAL GRADE CONTOURS
- EXISTING SECURITY FENCE
- PROPOSED SECURITY FENCE
- TREELINE

EROSION CONTROL LEGEND

Ds3 DISTURBED AREA STABILIZATION (PERMANENT VEGETATION)

REFERENCES:

H1C11120 TITLE SHEET AND DRAWING INDEX
H1C11136 CELL NO. 1 & 2 COMBINED, SECTIONS THRU STACK
H1C11144 MISCELLANEOUS SECTIONS AND DETAILS, SHEET 3
H1C11146 MISCELLANEOUS SECTIONS AND DETAILS, SHEET 4
H1C11151 SIPHON SECTIONS AND DETAILS
H1C11152 FLUME DATA SHEET

NOTES:

1. ALL SURFACE WATER CONTAINMENT STRUCTURES ARE ENGINEERED TO WITHSTAND A HORIZONTAL ACCELERATION OF 0.17g.
2. ANY IMPACT TO JURISDICTIONAL STREAMS, WETLANDS AND/OR ENCROACHMENT ON STREAM BUFFERS REQUIRES ARMY CORP OF ENGINEERS (COE) APPROVAL, AND GEORGIA EPD 401 WATER QUALITY CERTIFICATION AND A GA EPD STREAM BUFFER VARIANCE. THE GEORGIA EPD SOLID WASTE MANAGEMENT PROGRAM AND THE 401 WATER QUALITY COORDINATOR (WATERSHED PROTECTION BRANCH) SHALL BE NOTIFIED WHEN THE COE PERMIT IS APPROVED.
3. COORDINATE SYSTEM 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. SEE DRAWING H1C11149 FOR EROSION CONTROL NOTES.
6. SEE DRAWING H1C11124 FOR SURVEY CONTROL MONUMENT LOCATION.
7. FOR TYPICAL ROADWAY SECTIONS SEE DRAWING H1C11146.
8. THE FACILITY SHALL COMPLY WITH APPLICABLE NPDES PERMITS, INCLUDING BUT NOT LIMITED TO APPLICABLE NPDES CONSTRUCTION STORMWATER DISCHARGE GENERAL PERMITS, NPDES STORMWATER DISCHARGE PERMITS, AND THE FACILITY NPDES WASTEWATER DISCHARGE PERMITS.
9. ALL CCR STRUCTURES TO BE REMOVED WILL BE DISPOSED IN THE CCR LANDFILL, DISPOSED IN AN APPROPRIATE OFF-SITE FACILITY, OR CLEANED AND REUSED OR RECYCLED.

CLOSURE AREAS:

CELL 1 CLOSURE AREA – 24.0 ACRES
CELL 2 CLOSURE AREA – 45.1 ACRES

GEORGIA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By Tammy Buchli

GEORGIA REGISTERED NO. 27185 PROFESSIONAL ENGINEER R. BRANT LANE 1/8/24

GRAPHIC SCALE
100 0 50 100 200 400
(IN FEET)
1 inch = 100 ft.

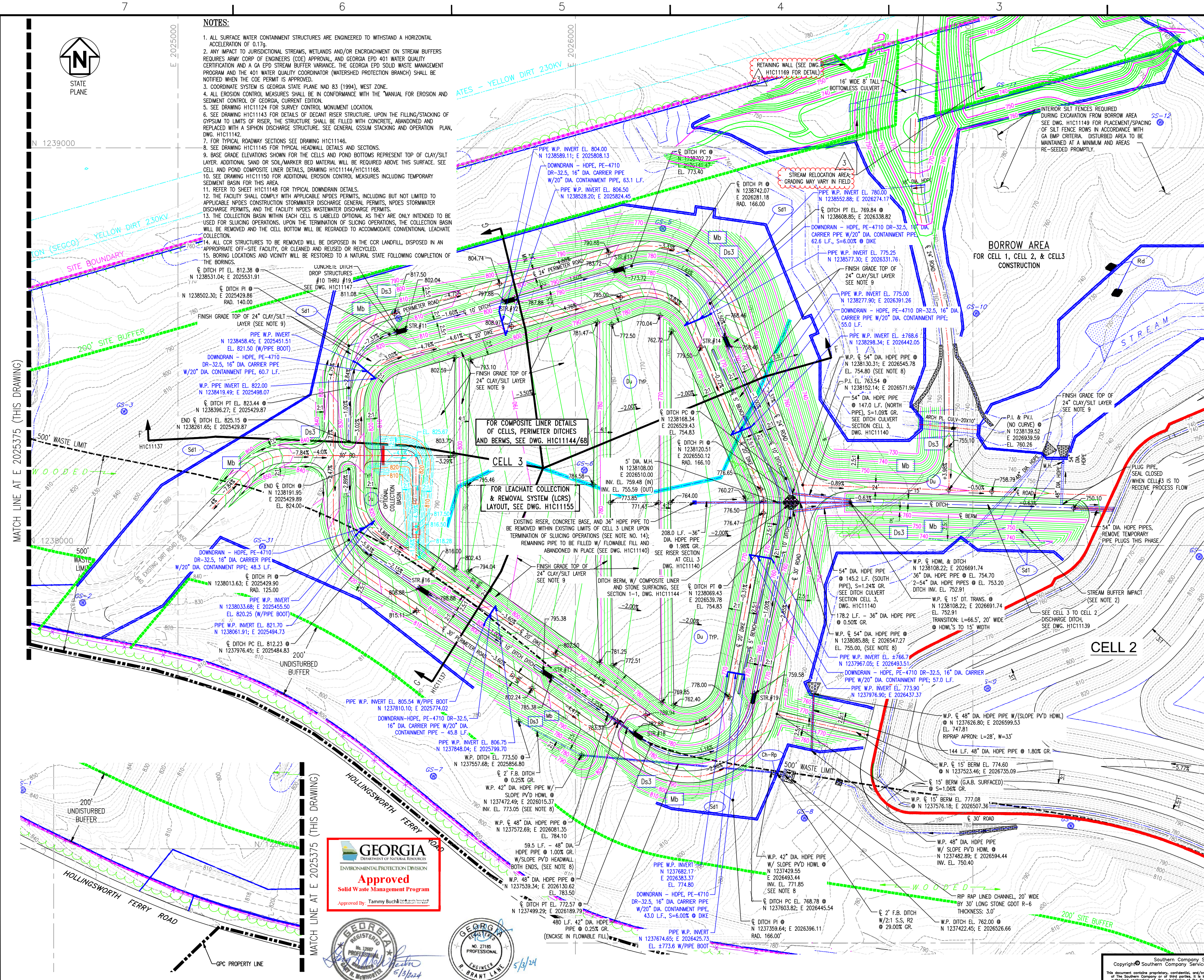
Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION RESIDUALS (CCR) LANDFILL
CELL NO. 1 & 2 COMBINED
FINAL STACKING PLAN

REVISION	DATE	DESCRIPTION	BY	CHK'D
2	01-08-2024	CONVENTIONAL CCR PLACEMENT MODIFICATIONS [BY HHNT, INC.]	RSW	RBL
1	10-10-2023	REVISED PROPERTY BUFFER AND NORTHERN BUFFER IMPACTS [BY HHNT, INC.]	RSW	RBL
0	09-23-2022	CCR LF PERMIT APPLICATION [BY HHNT, INC.]	ANR	RBL

SCALE	DRAWING NUMBER	SHEET	CONT'D	REV
1"=100'	H1C11132	1	FINAL	2

Acad2008 ANSI F: 40x28



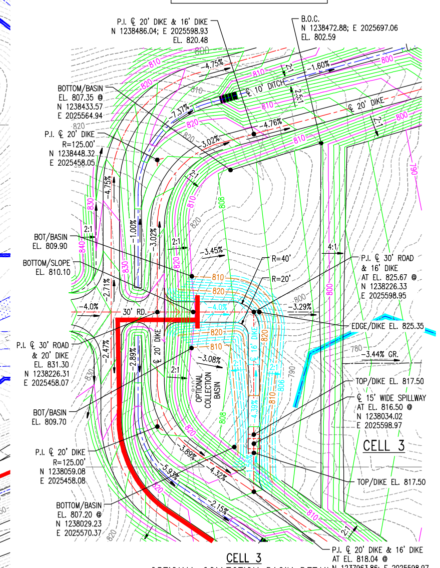
NOTES:

1. ALL SURFACE WATER CONTAINMENT STRUCTURES ARE ENGINEERED TO WITHSTAND A HORIZONTAL ACCELERATION OF 0.17g.
2. ANY IMPACT TO JURISDICTIONAL STREAMS, WETLANDS AND/OR ENCROACHMENT ON STREAM BUFFERS REQUIRES ARMY CORP OF ENGINEERS (COE) APPROVAL, AND GEORGIA EPD 401 WATER QUALITY CERTIFICATION AND A GA EPD STREAM BUFFER VARIANCE. THE GEORGIA EPD SOLID WASTE MANAGEMENT PROGRAM AND THE 401 WATER QUALITY COORDINATOR (WATERSHED PROTECTION BRANCH) SHALL BE NOTIFIED WHEN THE COE PERMIT IS APPROVED.
3. COORDINATE SYSTEM 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. SEE DRAWING H1C11124 FOR SURVEY CONTROL MONUMENT LOCATION.
6. SEE DRAWING H1C11143 FOR DETAILS OF DECANT RISER STRUCTURE. UPON THE FILLING/STACKING OF GYPSUM TO LIMITS OF RISER, THE STRUCTURE SHALL BE FILLED WITH CONCRETE, ABANDONED AND REPLACED WITH A SIPHON DISCHARGE STRUCTURE. SEE GENERAL GSSUM STACKING AND OPERATION PLAN, DWG. H1C11142.
7. FOR TYPICAL ROADWAY SECTIONS SEE DRAWING H1C11146.
8. SEE DRAWING H1C11145 FOR TYPICAL HEADWALL DETAILS AND SECTIONS.
9. BASE GRADE ELEVATIONS SHOWN FOR THE CELLS AND POND BOTTOMS REPRESENT TOP OF CLAY/SILT LAYER. ADDITIONAL SAND OR SOIL/MARKER BED MATERIAL WILL BE REQUIRED ABOVE THIS SURFACE. SEE CELL AND POND COMPOSITE LINER DETAILS, DRAWING H1C11144/H1C11168.
10. SEE DRAWING H1C11150 FOR ADDITIONAL EROSION CONTROL MEASURES INCLUDING TEMPORARY SEDIMENT BASIN FOR THIS AREA.
11. REFER TO SHEET H1C11148 FOR TYPICAL DOWNDRAIN DETAILS.
12. THE FACILITY SHALL COMPLY WITH APPLICABLE NPDES PERMITS, INCLUDING BUT NOT LIMITED TO APPLICABLE NPDES CONSTRUCTION STORMWATER DISCHARGE GENERAL PERMITS, NPDES STORMWATER DISCHARGE PERMITS, AND THE FACILITY NPDES WASTEWATER DISCHARGE PERMITS.
13. THE COLLECTION BASIN WITHIN EACH CELL IS LABELED OPTIONAL AS THEY ARE ONLY INTENDED TO BE USED FOR SLUICING OPERATIONS. UPON THE TERMINATION OF SLICING OPERATIONS, THE COLLECTION BASIN WILL BE REMOVED AND THE CELL BOTTOM WILL BE REGRADED TO ACCOMMODATE CONVENTIONAL LEACHATE COLLECTION.
14. ALL CCR STRUCTURES TO BE REMOVED WILL BE DISPOSED IN THE CCR LANDFILL, DISPOSED IN AN APPROPRIATE OFF-SITE FACILITY, OR CLEANED AND REUSED OR RECYCLED.
15. BORING LOCATIONS AND VICINITY WILL BE RESTORED TO A NATURAL STATE FOLLOWING COMPLETION OF THE BORINGS.

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

5/3/24

NOTE:
FOR ADDITIONAL COLLECTION BASIN DETAILS, SEE SECTION THROUGH COLLECTION BASIN AT SLURRY LINE DISCHARGE, DWG. H1C11155A



CELL 3
OPTIONAL COLLECTION BASIN DETAILS
NO SCALE

LEGEND:

- PROPERTY LINE
- SITE BOUNDARY
- 200' SITE BUFFER
- 500' WASTE LIMIT
- STREAMS
- 25' STREAM BUFFER
- WETLANDS
- EXISTING GROUND CONTOURS
- FINAL GRADE CONTOURS
- EXISTING SECURITY FENCE
- PROPOSED SECURITY FENCE
- XXX.XX SPOT ELEVATIONS
- DOWNDRAIN
- TREELINE

EROSION CONTROL LEGEND

- Sd1 SILT FENCE (SEE DWG. H1C11149)
- Di DIVERSION (SEE DWG. H1C11149)
- Lv LEVEL SPREADER
- Du DUST CONTROL
- Cd-s STONE CHECK DAM (2"-10" STONE)
- Ds3 DISTURBED AREA STABILIZATION (PERMANENT VEGETATION)
- Sd1-Bb BRUSH BARRIER
- Rd ROCK FILTER DAM
- Ch-rp CHANNEL STABILIZATION (RIPRAP)
- Mb EROSION CONTROL MATTING
- St STORM DRAIN OUTLET PROTECTION

REFERENCES:

H1C11120 TITLE SHEET AND DRAWING INDEX
H1C11143 MISCELLANEOUS DETAILS, SHEET 1
H1C11144 MISCELLANEOUS DETAILS, SHEET 2
H1C11148 MISCELLANEOUS SECTIONS AND DETAILS, SHEET 3
H1C11155 CELL NO. 3, LEACHATE COLLECTION SYSTEM LAYOUT
H1C11155A CELLS 1 THROUGH CELL 3, LEACHATE COLLECTION SYSTEM DETAILS

GRAPHIC SCALE
100 0 50 100 200 400
(IN FEET)
1 inch = 100 ft.

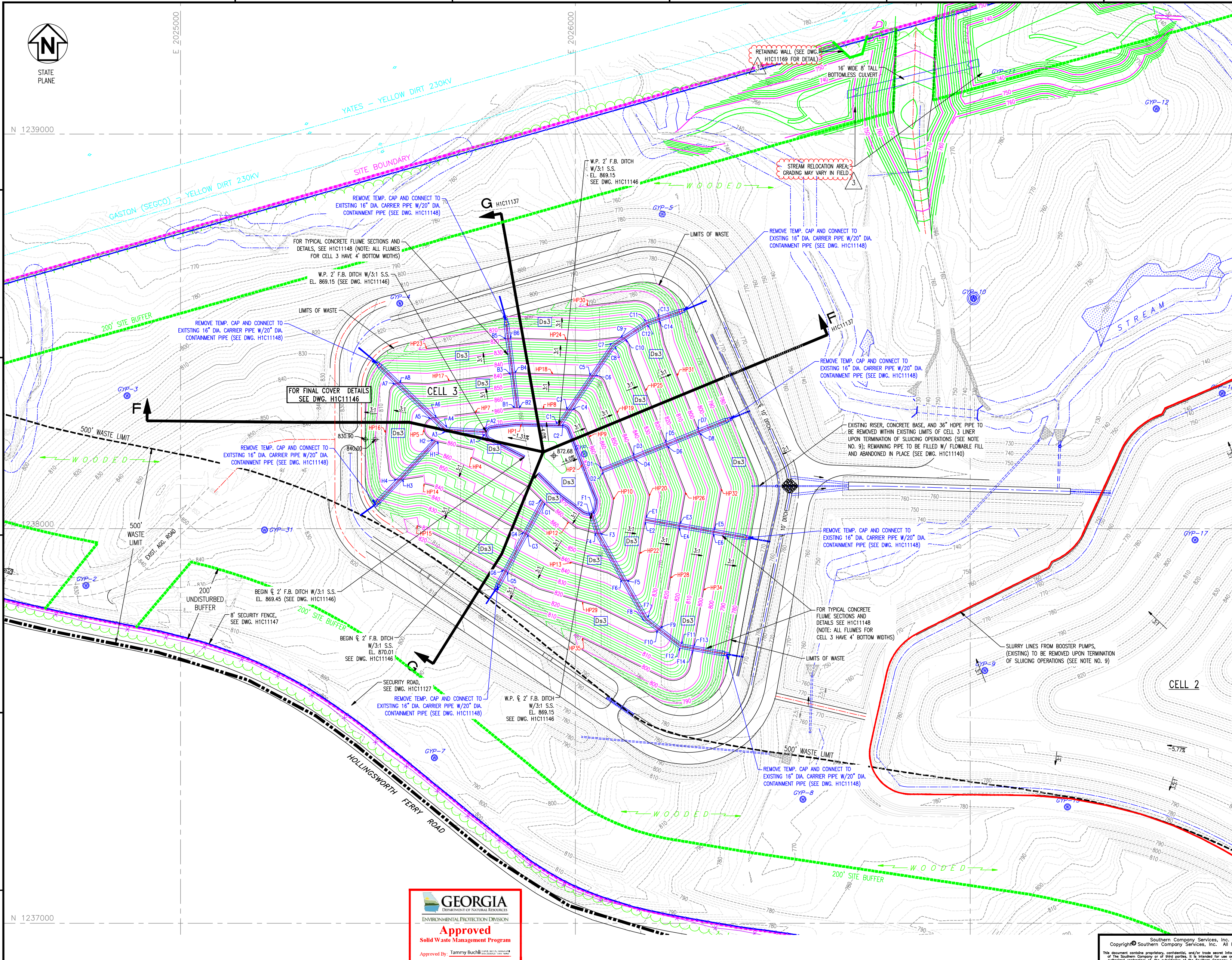
REVISION	DATE	DESCRIPTION	BY	CHK'D
3	05-03-2024	STREAM RELOCATION GRADING MODIFICATION TO INCLUDE RETAINING WALL [BY HHNT, INC.]	RSW	RBL
2	01-08-2024	CONVENTIONAL CCR PLACEMENT MODIFICATIONS [BY HHNT, INC.]	RSW	RBL
1	10-10-2023	REVISED PROPERTY BUFFER AND NORTHERN BUFFER IMPACTS [BY HHNT, INC.]	RSW	RBL
0	09-23-2022	CCR LF PERMIT APPLICATION [BY HHNT, INC.]	ANR	RBL

Southern Company Generation Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION BY-PRODUCT DISPOSAL FACILITY
CELL NO.3 SITE DEVELOPMENT
BASE GRADE PLAN

SCALE	DRAWING NUMBER	SHEET	CONT'D	REV
1"=100'	H1C11133	1	FINAL	2

Acad2008 ANSI F: 40x28



LEGEND:

- PROPERTY LINE
- SITE BOUNDARY
- 200' UNDISTURBED BUFFER
- 500' WASTE LIMIT
- STREAMS
- 25' STREAM BUFFER
- LIMITS OF CLEARING (SECURITY ROAD)
- LIMITS OF WASTE
- WETLANDS
- EXISTING GROUND CONTOURS
- FINAL GRADE CONTOURS
- EXISTING SECURITY FENCE
- PROPOSED SECURITY FENCE
- DOWNDRAIN
- TREELINE

EROSION CONTROL LEGEND

- Ds3 DISTURBED AREA STABILIZATION (PERMANENT VEGETATION)

REFERENCES:

H1C11120	TITLE SHEET AND DRAWING INDEX
H1C11137	CELL NO. 3, SECTIONS THRU STACK
H1C11144	MISCELLANEOUS SECTIONS AND DETAILS, SHEET 2
H1C11146	MISCELLANEOUS SECTIONS AND DETAILS, SHEET 1
H1C11148	MISCELLANEOUS SECTIONS AND DETAILS, SHEET 3
H1C11151	SIPHON SECTIONS AND DETAILS
H1C11152	FLUME DATA SHEET

NOTES:

1. ALL SURFACE WATER CONTAINMENT STRUCTURES ARE ENGINEERED TO WITHSTAND A HORIZONTAL ACCELERATION OF 0.17g.
2. ANY IMPACT TO JURISDICTIONAL STREAMS, WETLANDS AND/OR ENCROACHMENT ON STREAM BUFFERS REQUIRES ARMY CORP OF ENGINEERS (COE) APPROVAL, AND GEORGIA EPD 401 WATER QUALITY CERTIFICATION AND A GA EPD STREAM BUFFER VARIANCE. THE GEORGIA EPD SOLID WASTE MANAGEMENT PROGRAM AND THE 401 WATER QUALITY COORDINATOR (WATERSHED PROTECTION BRANCH) SHALL BE NOTIFIED WHEN THE COE PERMIT IS APPROVED.
3. COORDINATE SYSTEM 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. SEE DRAWING H1C11149 FOR EROSION CONTROL NOTES.
6. SEE DRAWING H1C11124 FOR SURVEY CONTROL MONUMENT LOCATION.
7. FOR TYPICAL ROADWAY SECTIONS SEE DRAWING H1C11146.
8. THE FACILITY SHALL COMPLY WITH APPLICABLE NPDES PERMITS, INCLUDING BUT NOT LIMITED TO APPLICABLE NPDES CONSTRUCTION STORMWATER DISCHARGE GENERAL PERMITS, NPDES STORMWATER DISCHARGE PERMITS, AND THE FACILITY NPDES WASTEWATER DISCHARGE PERMITS.
9. ALL CCR STRUCTURES TO BE REMOVED WILL BE DISPOSED IN THE CCR LANDFILL, DISPOSED IN AN APPROPRIATE OFF-SITE FACILITY, OR CLEANED AND REUSED OR RECYCLED.
10. BORING LOCATIONS AND VICINITY WILL BE RESTORED TO A NATURAL STATE FOLLOWING COMPLETION OF THE BORINGS.

GEORGIA REGISTERED No. 12687 PROFESSIONAL ENGINEER — 5/3/2024

GEORGIA REGISTERED No. 27185 PROFESSIONAL ENGINEER — 5/3/24

GRAPHIC SCALE

(IN FEET)
1 inch = 100 ft.

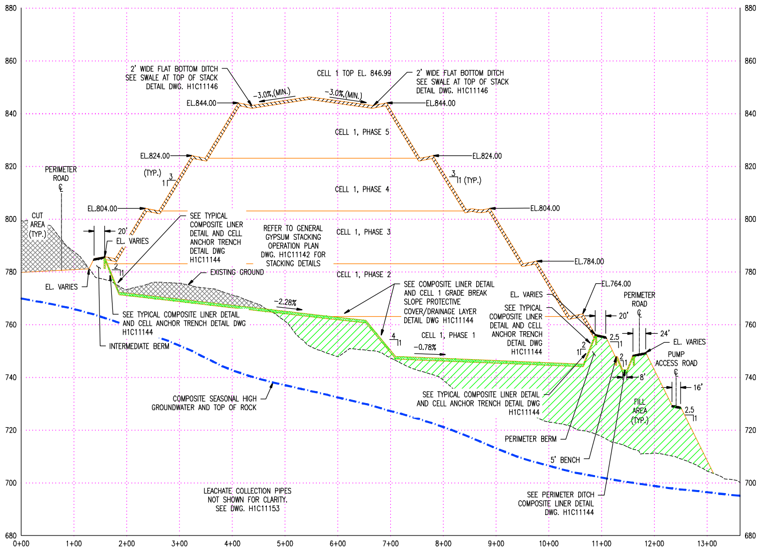
REVISION	DATE	DESCRIPTION	BY	CHK'D
3	05-03-2024	STREAM RELOCATION GRADING MODIFICATION TO INCLUDE RETAINING WALL [BY HHNT, INC.]	RSW	RBL
2	01-08-2024	ADD LEACHATE SUMP AND CONVENTIONAL CCR PLACEMENT MODIFICATIONS [BY HHNT, INC.]	RSW	RBL
1	10-10-2023	REVISED PROPERTY BUFFER AND BUFFER IMPACTS [BY HHNT, INC.]	RSW	RBL
0	09-23-2022	CCR LF PERMIT APPLICATION [BY HHNT, INC.]	ANR	RBL

Southern Company Generation Engineering and Construction Services
FOR
Georgia Power Company

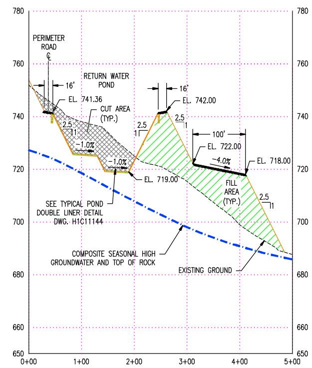
PLANT WANSLEY
COAL COMBUSTION BY-PRODUCT DISPOSAL FACILITY
CELL NO. 3
FINAL STACKING PLAN

SCALE	DRAWING NUMBER	SHEET	CONT'D	REV
1"=100'	H1C11134	1	FINAL	2

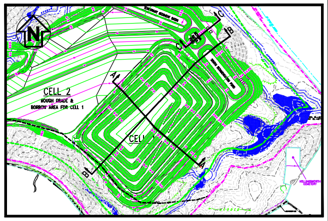
Acad2008 ANSI F: 40x28



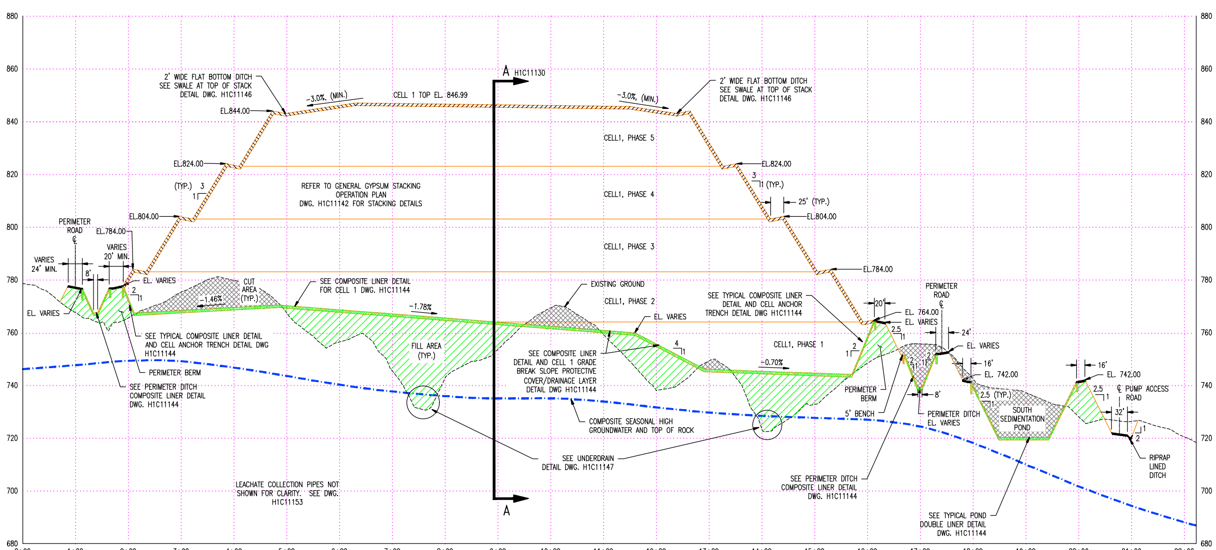
SECTION A–A
SCALE H: 1"=100' V 1"=20'



CELL 1
SECTION C–C
SCALE H: 1"=100' V 1"=20'



KEY PLAN
N.T.S.



SECTION B–B
SCALE H: 1"=100' V 1"=20'

NOTES:

1. ALL SURFACE WATER CONTAINMENT STRUCTURES ARE ENGINEERED TO WITHSTAND A HORIZONTAL ACCELERATION OF 0.17g.
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. COORDINATE SYSTEM 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. BASE GRADE ELEVATIONS SHOWN FOR THE CELLS AND PONDS REPRESENT TOP OF CLAY/SILT LAYER. ADDITIONAL SAND OR SOIL/MARKER BED MATERIAL WILL BE REQUIRED ABOVE THIS SURFACE. SEE CELL AND POND COMPOSITE LINER DETAILS, DRAWING H1C11144.
6. GRADES SHOWN REFLECT FINAL GRADES FOR CELL 1 ONLY. SEE H1C11136 FOR CELL 1 AND CELL 2 GRADES.

REFERENCES:

H1C11125 CELL NO. 1, SITE DEVELOPMENT BASE GRADE PLAN
H1C11130 CELL NO. 1, FINAL STACKING PLAN
H1C11136 CELL NO. 2. SECTIONS THRU STACK
H1C11144 CELL NO. 1 THROUGH CELL NO. 3, MISCELLANEOUS DETAILS
H1C11146 CELL NO. 1 THROUGH CELL NO. 3, MISCELLANEOUS SECTIONS AND DETAILS, SHEET 1

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

GEORGIA REGISTERED PROFESSIONAL ENGINEER NO. 27185 R. BRANT LANE 1/8/24

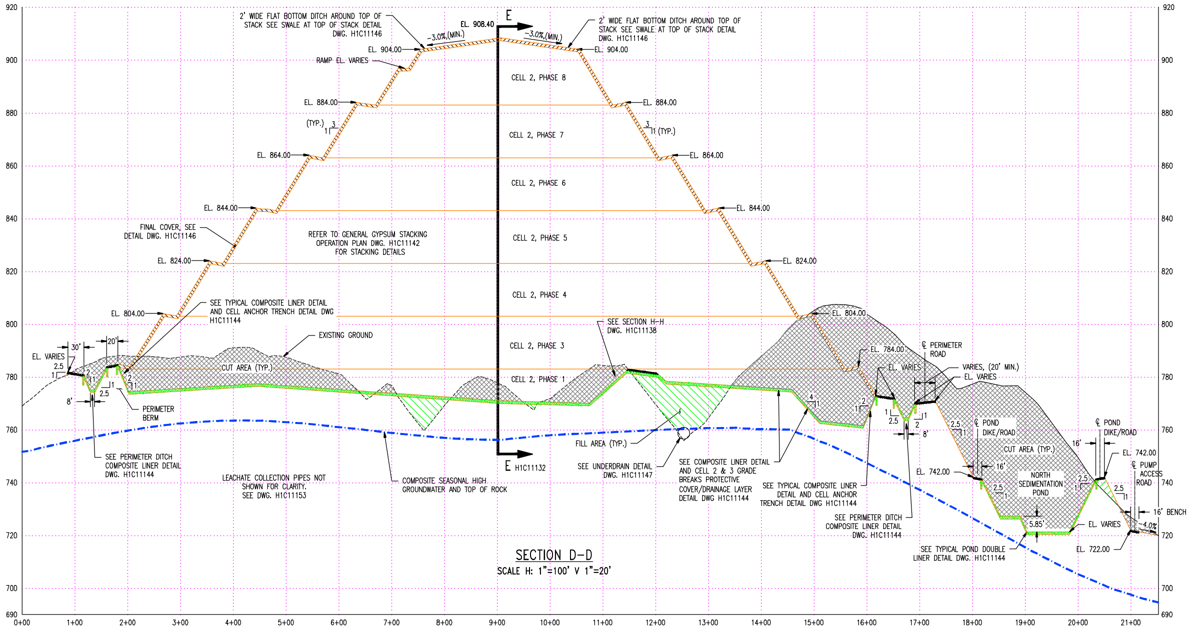
Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION BY–PRODUCT DISPOSAL FACILITY
CELL NO. 1
SECTIONS THRU STACK

REVISION	DATE	DESCRIPTION	BY	CHK'D
1	01-08-2024	REVISED SEISMIC NOTE TO COINCIDE WITH SITE LIMITATIONS [BY HHNT, INC.]	RSW	RBL
0	09-23-2022	CCR LF PERMIT APPLICATION [BY HHNT, INC.]	ANR	RBL

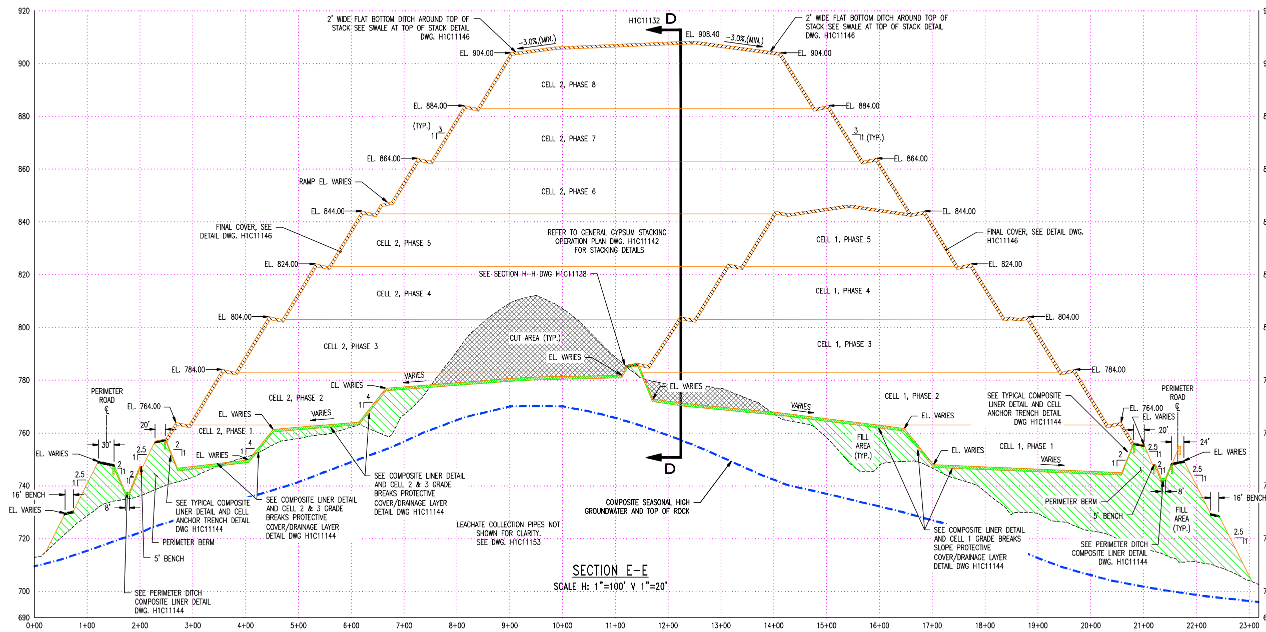
SCALE	DRAWING NUMBER	SHEET	CONT'D	REV
AS NOTED	H1C11135	1	FINAL	1

Acad2008 ANSI F: 40x28



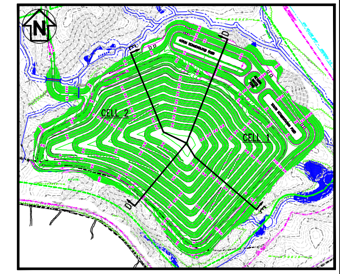
SECTION D-D

SCALE H: 1"=100' V 1"=20'



SECTION E-E

SCALE H: 1"=100' V 1"=20'



KEY PLAN

N.T.S.

NOTES:

1. ALL SURFACE WATER CONTAINMENT STRUCTURES ARE ENGINEERED TO WITHSTAND A HORIZONTAL ACCELERATION OF 0.17g.
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. COORDINATE SYSTEM 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. BASE GRADE ELEVATIONS SHOWN FOR THE CELLS AND PONDS REPRESENT TOP OF CLAY/SILT LAYER. ADDITIONAL SAND OR SOIL/MARKER BED MATERIAL WILL BE REQUIRED ABOVE THIS SURFACE. SEE CELL AND POND COMPOSITE LINER DETAILS, DRAWING H1C11144.

REFERENCES:

H1C11132 CELL NO. 1 & 2 COMBINED, FINAL STACKING PLAN
H1C11138 CELL NO. 1 THROUGH CELL NO. 3, MISCELLANEOUS SECTIONS, SHEET 1
H1C11142 GENERAL GYPSUM STACKING, OPERATION PLAN
H1C11144 CELL NO. 1 THROUGH CELL NO. 3, MISCELLANEOUS DETAILS, SHEET 2
H1C11146 CELL NO. 1 THROUGH CELL NO. 3, MISCELLANEOUS SECTIONS AND DETAILS, SHEET 1
H1C11147 CELL NO. 1 THROUGH CELL NO. 3, MISCELLANEOUS SECTIONS AND DETAILS, SHEET 2
H1C11153 CELL NO. 1, LEACHATE COLLECTION SYSTEM LAYOUT

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

GEORGIA REGISTERED NO. 27185 PROFESSIONAL ENGINEER R. BRANT LANE 1/8/24

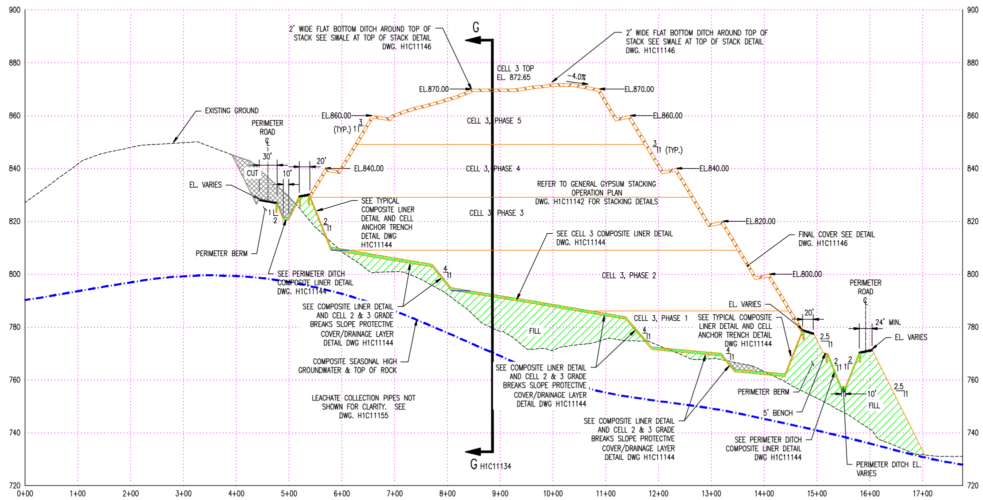
REVISION	DATE	DESCRIPTION	BY	CHK'D
1	01-08-2024	REVISED SEISMIC NOTE TO COINCIDE WITH SITE LIMITATIONS [BY HHNT, INC.]	RSW	RBL
0	09-23-2022	CCR LF PERMIT APPLICATION [BY HHNT, INC.]	ANR	RBL

Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

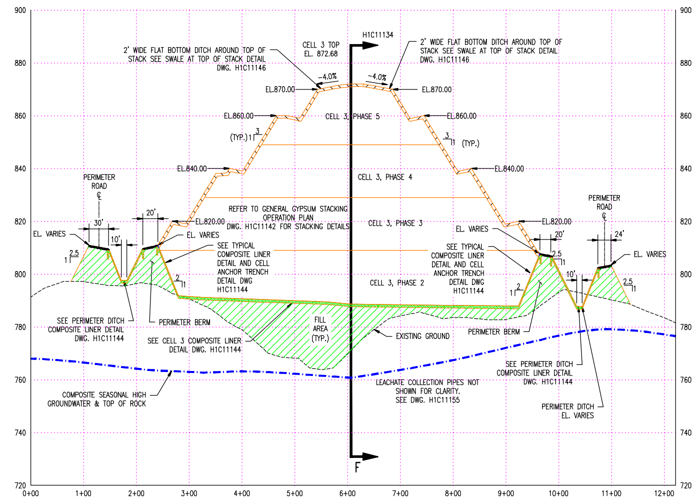
PLANT WANSLEY
COAL COMBUSTION BY-PRODUCT DISPOSAL FACILITY
CELLS NO. 1 AND NO. 2
SECTIONS THRU STACK

SCALE	DRAWING NUMBER	SHEET	CONT'D	REV
AS NOTED	H1C11136	1	FINAL	1

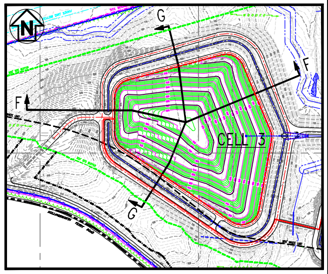
Acad2008 ANSI F: 40x28



CELL 3
SECTION F-F
SCALE H: 1"=100' V 1"=20'



CELL 3
SECTION G-G
SCALE H: 1"=100' V 1"=20'



KEY PLAN
N.T.S.

NOTES:

1. ALL SURFACE WATER CONTAINMENT STRUCTURES ARE ENGINEERED TO WITHSTAND A HORIZONTAL ACCELERATION OF 0.17g.
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. COORDINATE SYSTEM 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. BASE GRADE ELEVATIONS SHOWN FOR THE CELL REPRESENT TOP OF CLAY/SILT LAYER. ADDITIONAL SAND WILL BE REQUIRED ABOVE THIS SURFACE. SEE CELL COMPOSITE LINER DETAILS, DRAWING H1C11144.

REFERENCES:

H1C11134 CELL NO. 3 FINAL STACKING PLAN
H1C11142 GENERAL GYPSUM STACKING, OPERATION PLAN
H1C11144 CELL NO. 1 THROUGH CELL NO. 3, MISCELLANEOUS DETAILS, SHEET 2
H1C11146 CELL NO. 1 THROUGH CELL NO. 3, MISCELLANEOUS SECTIONS AND DETAILS, SHEET 1
H1C11147 CELL NO. 1 THROUGH CELL NO. 3, MISCELLANEOUS SECTIONS AND DETAILS, SHEET 2
H1C11155 CELL NO. 3 LEACHATE COLLECTION SYSTEM LAYOUT & DETAILS

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

GEORGIA REGISTERED NO. 27185 PROFESSIONAL ENGINEER R. BRANT LANE 1/8/24

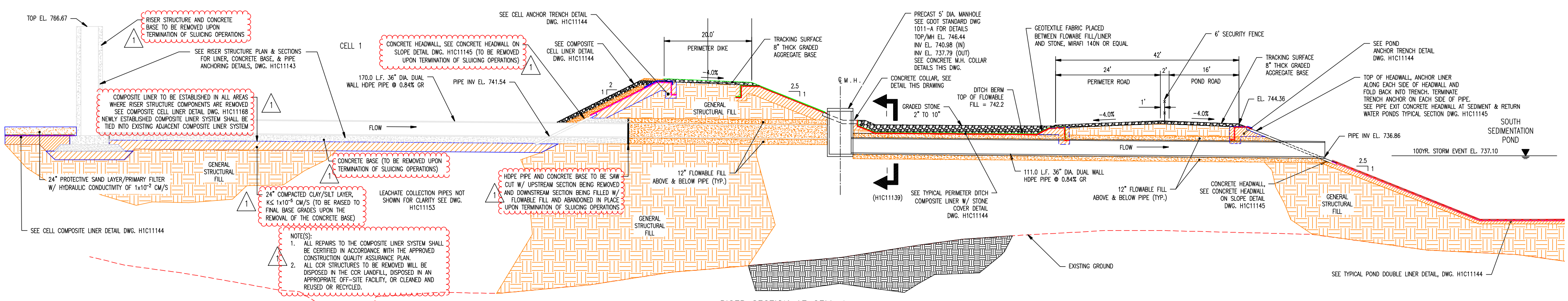
Southern Company Generation Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION BY-PRODUCT DISPOSAL FACILITY
CELL NO. 3
SECTIONS THRU STACK

REVISION	DATE	DESCRIPTION	BY	CHK'D
1	01-08-2024	REVISED SEISMIC NOTE TO COINCIDE WITH SITE LIMITATIONS [BY HHNT, INC.]	RSW	RBL
0	09-23-2022	CCR LF PERMIT APPLICATION [BY HHNT, INC.]	ANR	RBL

SCALE	DRAWING NUMBER	SHEET	CONT'D	REV
AS NOTED	H1C11137	1	FINAL	1

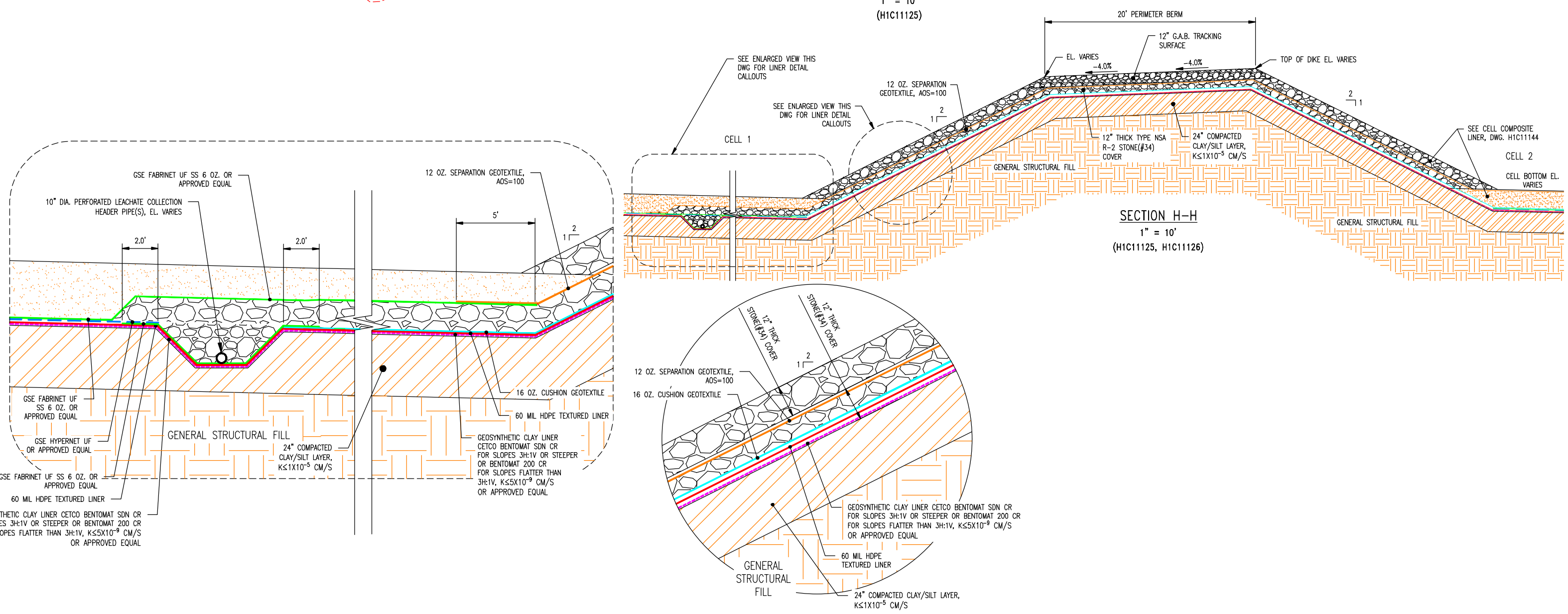
Acad2008 ANSI F: 40x28



RISER SECTION AT CELL 1

1" = 10'

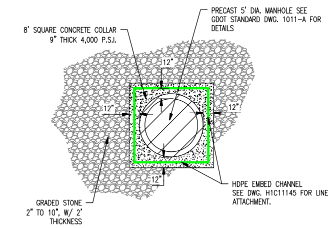
(H1C11125)



SECTION H-H

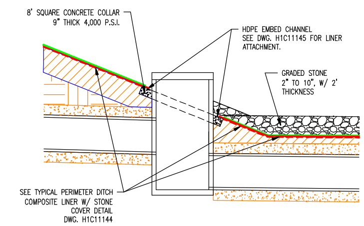
1" = 10'

(H1C11125, H1C11126)



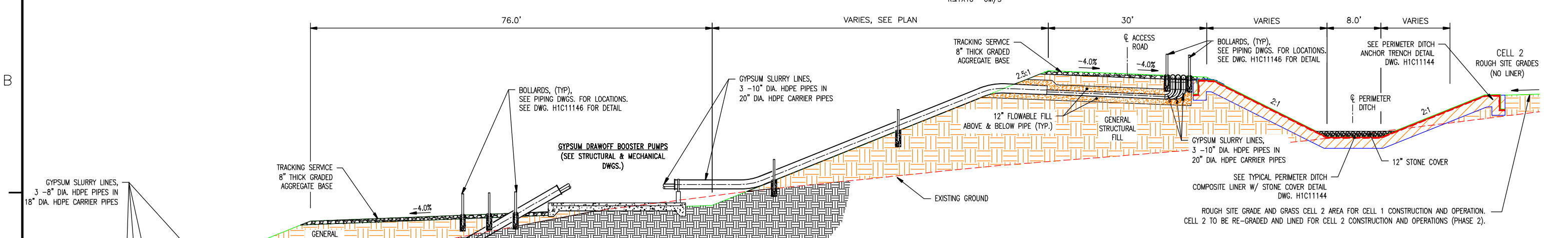
CONCRETE MANHOLE COLLAR PLAN VIEW

NOT TO SCALE



CONCRETE MANHOLE COLLAR SECTION

NOT TO SCALE



SECTION I-I

1" = 5'

(H1C11126)

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

GEORGIA REGISTERED NO. 27185 PROFESSIONAL ENGINEER R. BRANT LANE 1/8/24

NOTES:

1. ALL SURFACE WATER CONTAINMENT STRUCTURES ARE ENGINEERED TO WITHSTAND A HORIZONTAL FORCE OF 0.17G

REFERENCES:

H1C11120	TITLE SHEET AND DRAWING INDEX
H1C11125	CELL NO. 1 SITE DEVELOPMENT, BASE GRADING PLAN
H1C11131	CELL NO. 2 SITE DEVELOPMENT, BASE GRADING PLAN
H1C11144	CELL NO. 1 THROUGH CELL NO. 3, MISCELLANEOUS DETAILS, SHEET 2
H1C11145	CELL NO. 1 THROUGH CELL NO. 3, MISCELLANEOUS DETAILS, SHEET 3
H1C11146	CELL NO. 1 THROUGH CELL NO. 3, MISCELLANEOUS SECTIONS AND DETAILS, SHEET 1

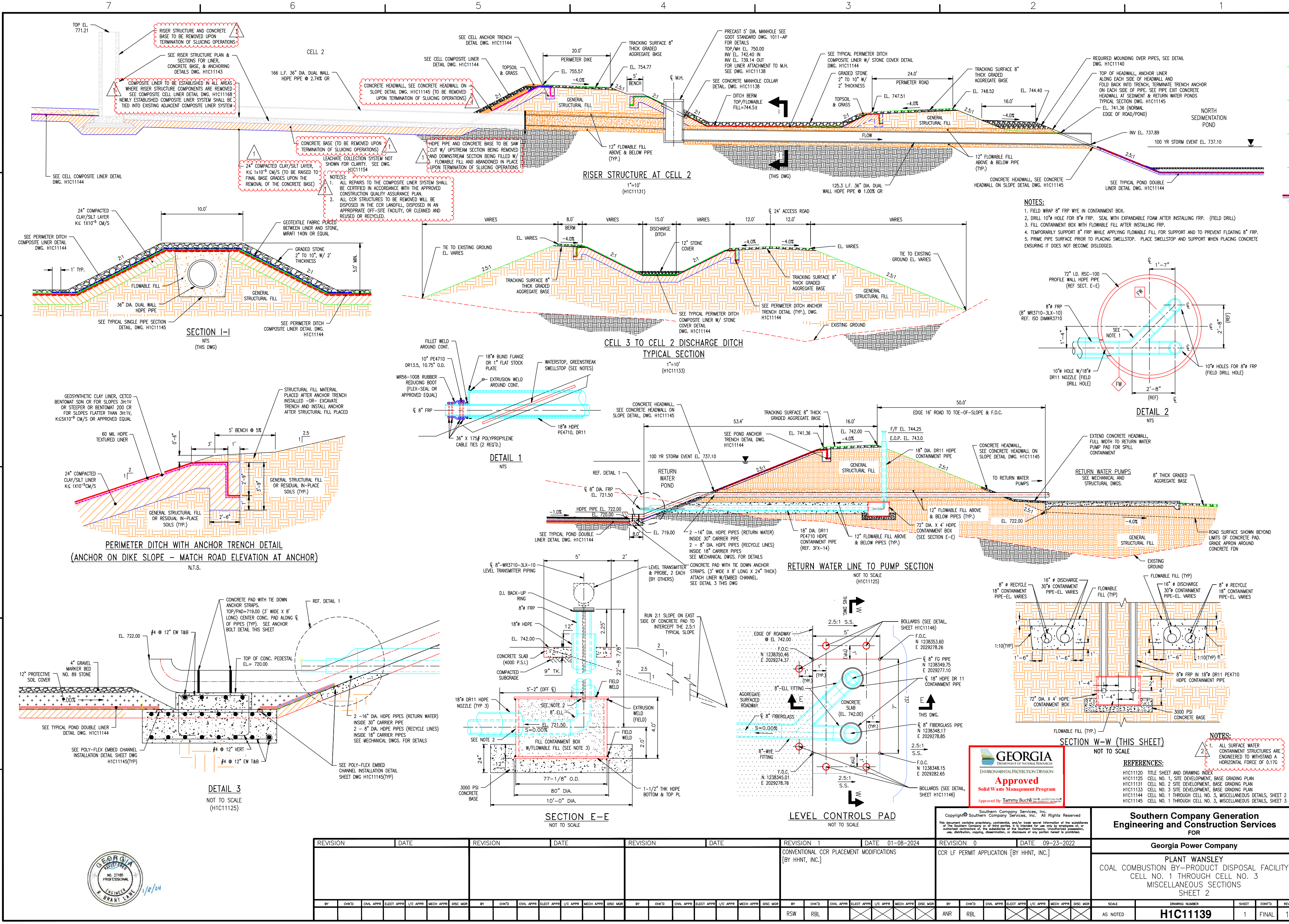
Southern Company Generation Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION BY-PRODUCT DISPOSAL FACILITY
CELL NO. 1 THROUGH CELL NO. 3
MISCELLANEOUS SECTIONS
SHEET 1

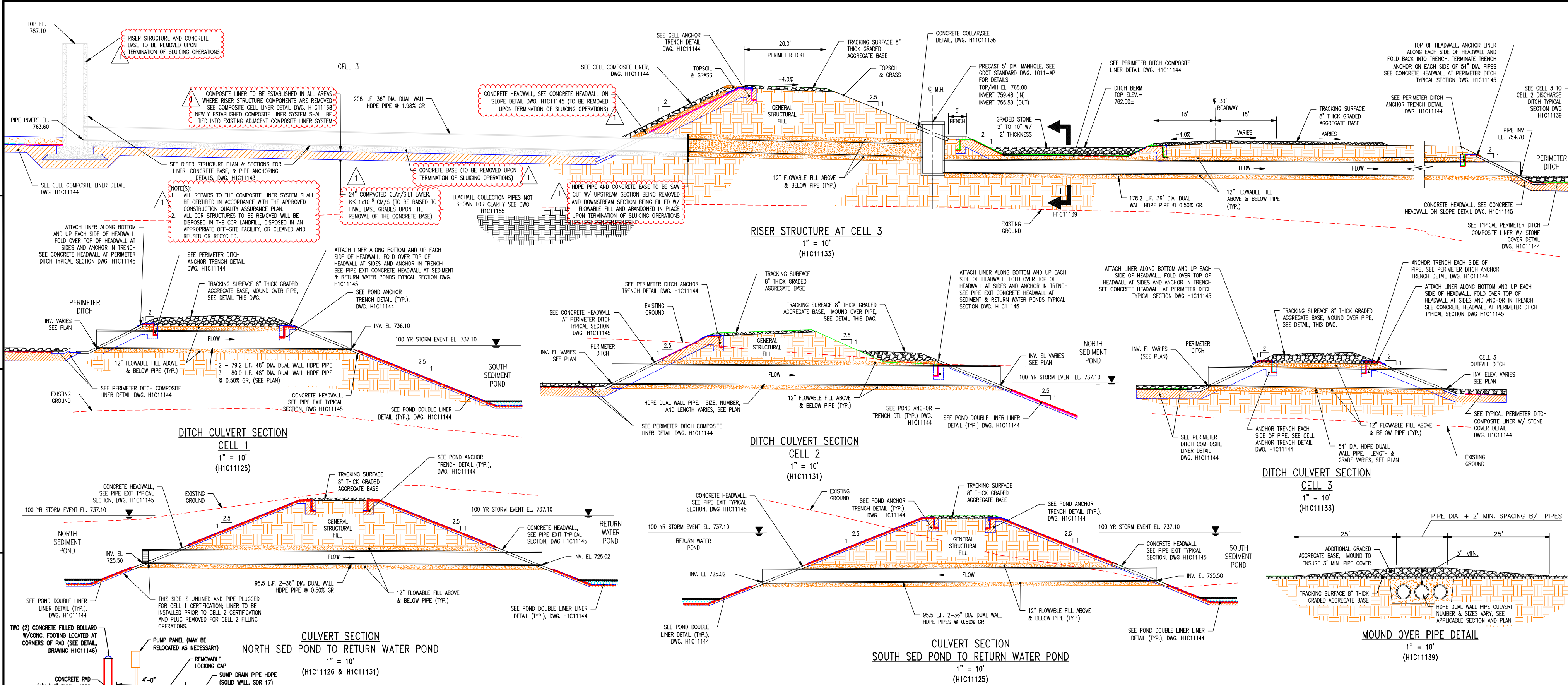
REVISION	DATE	DESCRIPTION	BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR
1	01-08-2024	CONVENTIONAL CCR PLACEMENT MODIFICATIONS [BY HHNT, INC.]	RSW	RBL					
0	09-23-2022	CCR LF PERMIT APPLICATION [BY HHNT, INC.]	ANR	RBL					

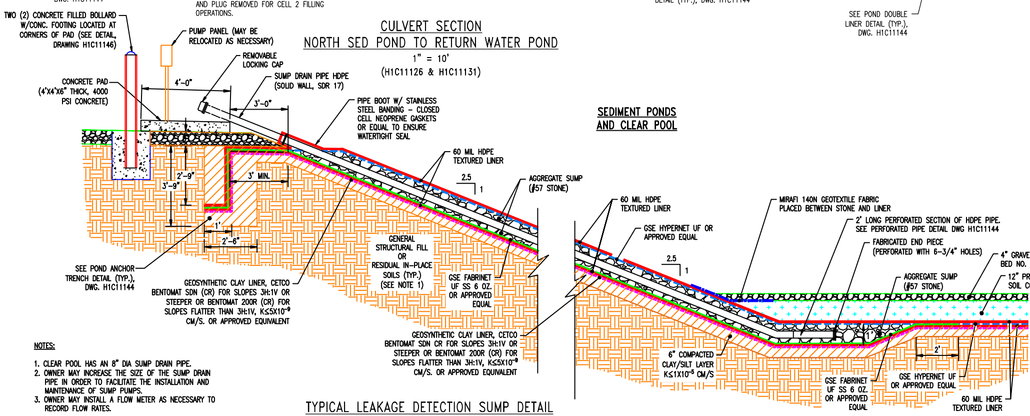
SCALE	DRAWING NUMBER	SHEET	CONT'D	REV
AS NOTED	H1C11138	1	FINAL	1

Acad2008 ANSI F: 40x28



RISER STRUCTURE AT CELL 2
1"=10'
(H1C11131)
CELL 2
166 L.F. 36" DIA. DUAL WALL HDPE PIPE @ 2.74% GR
RISER STRUCTURE AND CONCRETE BASE TO BE REMOVED UPON TERMINATION OF SLUICING OPERATIONS
SEE RISER STRUCTURE PLAN & SECTIONS FOR LINER, CONCRETE BASE, & ANCHORING DETAILS DWG. H1C11143
COMPOSITE LINER TO BE ESTABLISHED IN ALL AREAS WHERE RISER STRUCTURE COMPONENTS ARE REMOVED. SEE COMPOSITE CELL LINER DETAIL DWG. H1C11168. NEWLY ESTABLISHED COMPOSITE LINER SYSTEM SHALL BE TIED INTO EXISTING ADJACENT COMPOSITE LINER SYSTEM
SEE CELL COMPOSITE LINER DETAIL DWG. H1C11144
CONCRETE BASE (TO BE REMOVED UPON TERMINATION OF SLUICING OPERATIONS)
24" COMPACTED CLAY/SILT LAYER, K≤ 1x10⁻⁵ CM/S (TO BE RAISED TO FINAL BASE GRADES UPON THE REMOVAL OF THE CONCRETE BASE)
LEACHATE COLLECTION SYSTEM NOT SHOWN FOR CLARITY. SEE DWG. H1C11154
CONCRETE HEADWALL, SEE CONCRETE HEADWALL ON SLOPE DETAIL DWG. H1C11145 (TO BE REMOVED UPON TERMINATION OF SLUICING OPERATIONS)
HDPE PIPE AND CONCRETE BASE TO BE SAW CUT W/ UPSTREAM SECTION BEING REMOVED AND DOWNSTREAM SECTION BEING FILLED W/ FLOWABLE FILL AND ABANDONED IN PLACE UPON TERMINATION OF SLUICING OPERATIONS
NOTE(S):
1. ALL REPAIRS TO THE COMPOSITE LINER SYSTEM SHALL BE CERTIFIED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION QUALITY ASSURANCE PLAN.
2. ALL CCR STRUCTURES TO BE REMOVED WILL BE DISPOSED IN THE CCR LANDFILL, DISPOSED IN AN APPROPRIATE OFF-SITE FACILITY, OR CLEANED AND REUSED OR RECYCLED.
SEE CELL ANCHOR TRENCH DETAIL DWG. H1C11144
SEE CELL COMPOSITE LINER DETAIL DWG. H1C11144
TOPSOIL & GRASS
PERIMETER DIKE
TRACKING SURFACE 8" THICK GRADED AGGREGATE BASE
GENERAL STRUCTURAL FILL
12" FLOWABLE FILL ABOVE & BELOW PIPE (TYP.)
PRECAST 5' DIA. MANHOLE SEE GDOT STANDARD DWG. 1011-AP FOR DETAILS
SEE CONCRETE MANHOLE COLLAR DETAIL DWG. H1C11138
DITCH BERM TOP/FLOWABLE FILL=744.5±
SEE TYPICAL PERIMETER DITCH COMPOSITE LINER W/ STONE COVER DETAIL DWG. H1C11144
GRADED STONE 2" TO 10" W/ 2' THICKNESS
PERIMETER ROAD
125.3 L.F. 36" DIA. DUAL WALL HDPE PIPE @ 1.00% GR
REQUIRED MOUNDING OVER PIPES, SEE DETAIL DWG. H1C11140
TOP OF HEADWALL, ANCHOR LINER ALONG EACH SIDE OF HEADWALL AND FOLD BACK INTO TRENCH, TERMINATE TRENCH ANCHOR ON EACH SIDE OF PIPE. SEE PIPE EXIT CONCRETE HEADWALL AT SEDIMENT & RETURN WATER PONDS TYPICAL SECTION DWG. H1C11145
NORTH SEDIMENTATION POND
100 YR STORM EVENT EL. 737.10
SEE TYPICAL POND DOUBLE LINER DETAIL DWG. H1C11144
CONCRETE HEADWALL, SEE CONCRETE HEADWALL ON SLOPE DETAIL DWG. H1C11145
SECTION I-I
NTS
(THIS DWG)
CELL 3 TO CELL 2 DISCHARGE DITCH TYPICAL SECTION
1"=10'
(H1C11133)
NOTES:
1. FIELD WRAP 8" FRP WYE IN CONTAINMENT BOX.
2. DRILL 10"ø HOLE FOR 8"ø FRP. SEAL WITH EXPANDABLE FOAM AFTER INSTALLING FRP. (FIELD DRILL)
3. FILL CONTAINMENT BOX WITH FLOWABLE FILL AFTER INSTALLING FRP.
4. TEMPORARILY SUPPORT 8" FRP WHILE APPLYING FLOWABLE FILL FOR SUPPORT AND TO PREVENT FLOATING 8" FRP.
5. PRIME PIPE SURFACE PRIOR TO PLACING SWELLSTOP. PLACE SWELLSTOP AND SUPPORT WHEN PLACING CONCRETE ENSURING IT DOES NOT BECOME DISLODGED.
DETAIL 2
NTS
DETAIL 1
NTS
PERIMETER DITCH WITH ANCHOR TRENCH DETAIL
(ANCHOR ON DIKE SLOPE - MATCH ROAD ELEVATION AT ANCHOR)
N.T.S.
RETURN WATER LINE TO PUMP SECTION
NOT TO SCALE
(H1C11125)
DETAIL 3
NOT TO SCALE
(H1C11125)
SECTION E-E
NOT TO SCALE
LEVEL CONTROLS PAD
NOT TO SCALE
SECTION W-W (THIS SHEET)
NOT TO SCALE
NOTES:
1. ALL SURFACE WATER CONTAINMENT STRUCTURES ARE ENGINEERED TO WITHSTAND A HORIZONTAL FORCE OF 0.17G
REFERENCES:
H1C11120 TITLE SHEET AND DRAWING INDEX
H1C11125 CELL NO. 1, SITE DEVELOPMENT, BASE GRADING PLAN
H1C11131 CELL NO. 2 SITE DEVELOPMENT, BASE GRADING PLAN
H1C11133 CELL NO. 3 SITE DEVELOPMENT, BASE GRADING PLAN
H1C11144 CELL NO. 1 THROUGH CELL NO. 3, MISCELLANEOUS DETAILS, SHEET 2
H1C11145 CELL NO. 1 THROUGH CELL NO. 3, MISCELLANEOUS DETAILS, SHEET 3
GEORGIA Department of Natural Resources
Environmental Protection Division
Approved
Solid Waste Management Program
Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company
PLANT WANSLEY
COAL COMBUSTION BY-PRODUCT DISPOSAL FACILITY
CELL NO. 1 THROUGH CELL NO. 3
MISCELLANEOUS SECTIONS
SHEET 2
REVISION 1 DATE 01-08-2024 CONVENTIONAL CCR PLACEMENT MODIFICATIONS [BY HHNT, INC.] RSW RBL
REVISION 0 DATE 09-23-2022 CCR LF PERMIT APPLICATION [BY HHNT, INC.] ANR RBL
SCALE AS NOTED
DRAWING NUMBER H1C11139
SHEET 1
CONT'D FINAL
REV 1
Acad2008 ANSI F: 40x28

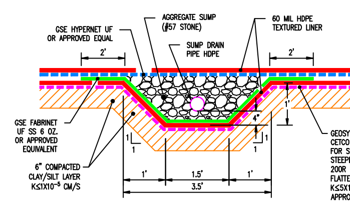




TYPICAL LEAKAGE DETECTION SUMP DETAIL
N.T.S.
(H1C11125 & H1C11131)

NOTES:

1. CLEAR POOL HAS AN 8" DIA SUMP DRAIN PIPE.
2. OWNER MAY INCREASE THE SIZE OF THE SUMP DRAIN PIPE IN ORDER TO FACILITATE THE INSTALLATION AND MAINTENANCE OF SUMP PUMPS.
3. OWNER MAY INSTALL A FLOW METER AS NECESSARY TO RECORD FLOW RATES.



TYPICAL LEAKAGE DETECTION
SUMP DRAIN PIPE DETAIL
N.T.S.

NOTES:

1. THE SECTIONS SHOWN ON THIS DRAWING REPRESENT TYPICAL CONFIGURATIONS FOR THE CELLS, PERIMETER DITCHES, LEACHATE COLLECTION SYSTEM, AND SEDIMENT BASIN. 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 SPECIFICATIONS FOR PROOF-ROLLING CRITERIA FOR IN-PLACE SOILS AND THE PLACEMENT AND COMPACTION CRITERIA FOR GENERAL STRUCTURAL FILL.

GEORGIA Department of Natural Resources
Environmental Protection Division
Approved
Solid Waste Management Program

GEORGIA REGISTERED NO. 27185 PROFESSIONAL ENGINEER R. BRANT LANE 1/8/24

REFERENCES:

H1C11120	TITLE SHEET AND DRAWING INDEX
H1C11125	CELL NO. 1, SITE DEVELOPMENT, BASE GRADING PLAN
H1C11126	CELL NO. 2, SITE DEVELOPMENT, ROUGH GRADE/BORROW PLAN
H1C11131	CELL NO. 2 SITE DEVELOPMENT, BASE GRADING PLAN
H1C11133	CELL NO. 3 SITE DEVELOPMENT, BASE GRADING PLAN
H1C11145	CELL NO.1 THROUGH CELL NO. 3 MISCELLANEOUS SECTIONS, SHEET 3

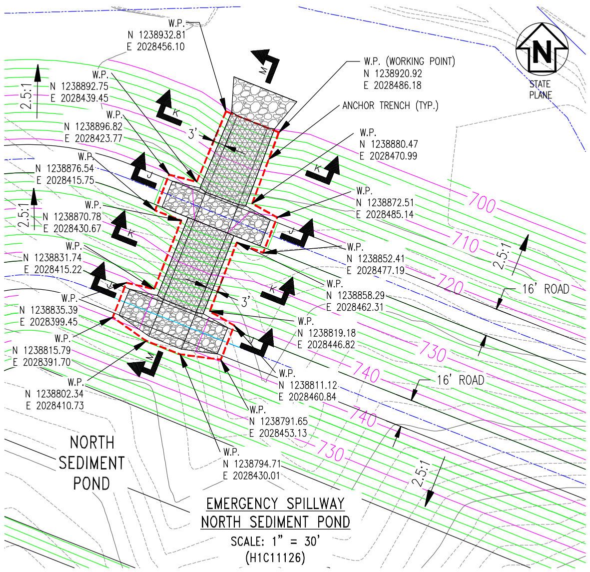
Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION RESIDUALS (CCR) LANDFILL
CELL 1 THROUGH CELL 3
MISCELLANEOUS SECTIONS
SHEET 3

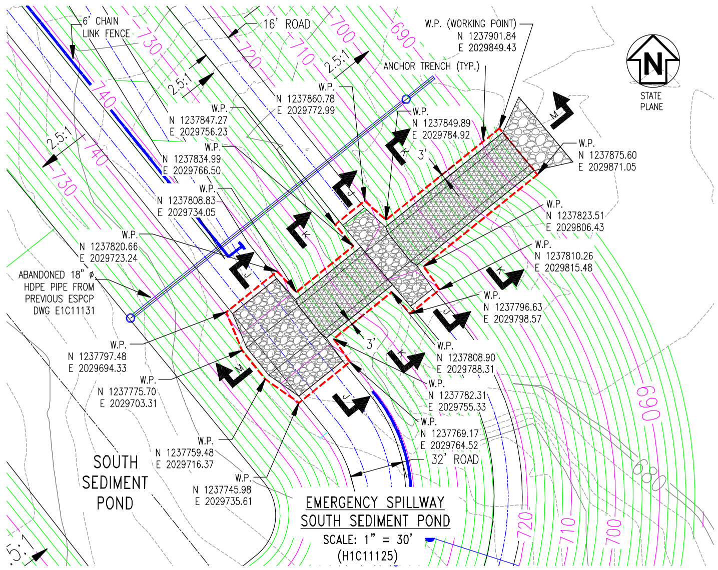
REVISION	DATE	DESCRIPTION	BY	CHK'D
1	01-08-2024	CONVENTIONAL CCR PLACEMENT MODIFICATIONS [BY HHNT, INC.]	RSW	RBL
0	09-23-2022	CCR LF PERMIT APPLICATION [BY HHNT, INC.]	ANR	RBL

SCALE	DRAWING NUMBER	SHEET	CONT'D	REV
AS NOTED	H1C11140	1	FINAL	1

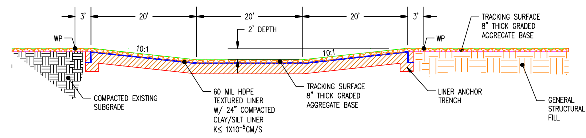
Acad2008 ANSI F: 40x28



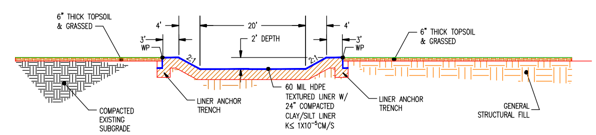
EMERGENCY SPILLWAY
NORTH SEDIMENT POND
SCALE: 1" = 30'
(H1C11126)



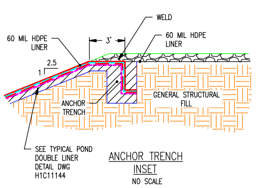
EMERGENCY SPILLWAY
SOUTH SEDIMENT POND
SCALE: 1" = 30'
(H1C11125)



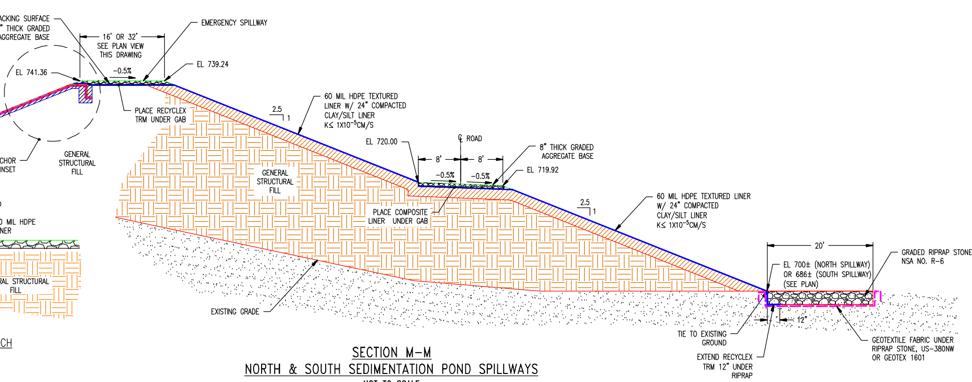
SECTION J–J
EMERGENCY SPILLWAY SECTION TYPICAL ROAD CROSSING
NOT TO SCALE
(H1C11125 & H1C11126)



SECTION K–K
EMERGENCY SPILLWAY SEDIMENT POND TYPICAL SECTION ON SLOPE
NOT TO SCALE
(H1C11125 & H1C11126)



ANCHOR TRENCH
INSET
NO SCALE



SECTION M–M
NORTH & SOUTH SEDIMENTATION POND SPILLWAYS
NOT TO SCALE

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

GEORGIA REGISTERED NO. 27185 PROFESSIONAL ENGINEER R. BRANT LANE 9/27/22

GEORGIA REGISTERED No. 12087 PROFESSIONAL ENGINEER GARY H. McWHORTER 9/23/22

REFERENCES:

H1C11120 TITLE SHEET AND DRAWING INDEX
H1C11124 GENERAL SITE DEVELOPMENT, CELL LAYOUT
H1C11125 CELL NO. 1, SITE DEVELOPMENT, BASE GRADING PLAN
H1C11126 CELL NO. 2, SITE DEVELOPMENT, ROUGH GRADE/BORROW PLAN
H1C11131 CELL NO. 2 SITE DEVELOPMENT, BASE GRADING PLAN
H1C11144 CELL NO. 1 THROUGH CELL NO. 3, MISCELLANEOUS DETAILS, SHEET 2
H1C11146 CELL NO. 1 THROUGH CELL NO. 3, MISCELLANEOUS SECTIONS AND DETAILS, SHEET 1

Southern Company Generation Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION BY–PRODUCT DISPOSAL FACILITY
CELL NO. 1 AND CELL NO. 2
SEDIMENT POND SPILLWAY SECTIONS AND DETAILS

REVISION 0 | DATE 09-23-2022
CCR LF PERMIT APPLICATION [BY HHNT, INC.]

BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR	SCALE	DRAWING NUMBER	SHEET	CONT'D	REV
ANR	RBL						N.T.S.	H1C11141	1	FINAL	0

Acad2004 ANSI F: 40x28

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

1. THE FOLLOWING PROCEDURES SHALL BE FOLLOWED FOR UTILIZATION OF ANY TEMPORARY CONTAINMENT BASINS LOCATED ELSEWHERE WITHIN THE DISPOSAL CELL. THE LOCATION AND USE OF SUCH TEMPORARY CONTAINMENT BASINS SHALL BE SUBJECT TO THE APPROVAL OF THE PURCHASER AND ENGINEERING & CONSTRUCTION SERVICES, SOUTHERN COMPANY SERVICES, INC.
2. THE INITIAL RIM DITCH WILL BE CONSTRUCTED FROM DRY GYPSUM EXCAVATED AND HAULED FROM THE TEMPORARY GYPSUM DEWATERING CELLS LOCATED IN THE ASH POND.
3. THE INITIAL RIM DITCH WILL BE CONSTRUCTED BEGINNING AT THE DISCHARGE CONTAINMENT BASIN'S SPILLWAY LOCATION PROGRESSING ALONG THE PERIMETER OF THE DISPOSAL CELL TO THE LOWER TIER (PHASE 1).THE RIM DITCH SHALL CONSIST OF AN INTERIOR BERM OF SUFFICIENT WIDTH TO PROVIDE ACCESS AND MANEUVERABILITY FOR A TRACKED EXCAVATOR DURING GYPSUM CLEAN – OUT OF THE RIM DITCH.
4. THE RIM DITCH SHALL BE CONSTRUCTED TO CONTAIN THE DISCHARGE FROM THE DISCHARGE CONTAINMENT BASIN TO PREVENT THE EROSION OF THE 24 INCH PROTECTIVE COVER ON THE BOTTOM OF THE CELL.
5. SLUICING OPERATIONS BEGIN WITH THE DISCHARGE OF GYPSUM SLURRY INTO THE CONTAINMENT BASIN. FLOW FROM THE CONTAINMENT BASIN WILL BE DIRECTED INTO THE RIM DITCH TOWARD THE FAR DOWNSTREAM END OF THE CELL (PHASE 1). THE GYPSUM WILL SETTLE OUT IN THE CONTAINMENT BASIN AND IN THE RIM DITCH AS THE SLURRY FLOWS ALONG THE RIM DITCH. IN ORDER TO PREVENT EROSION OF THE SAND COVER AND TO FACILITATE SETTLING, CHECK BERMS OF GYPSUM, GRAVEL OR SOIL MAY BE PLACED AT INTERVALS IN THE RIM DITCH. IT WILL BE PRUDENT TO COVER THE SAND PROTECTIVE COVER WITH GYPSUM AS APPROPRIATE.
6. GYPSUM EXCAVATED FROM THE DISCHARGE CONTAINMENT BASIN SHOULD BE CAST TO THE AREA IMMEDIATELY OUTSIDE THE CONTAINMENT BASIN BERM, AND INSIDE THE DISPOSAL CELL, WHERE IT WILL DEWATER BY GRAVITY. THE DEWATERED GYPSUM SHOULD BE USED TO EXTEND THE INITIAL RIM DITCH, CONSTRUCT A SECOND RIM DITCH, OR COVER ANY EXPOSED AREAS OF THE 24 INCH SAND PROTECTIVE LAYER.
7. AFTER THE GYPSUM HAS ACCUMULATED IN THE RIM DITCH, THE DITCH CAN BE EXCAVATED BY A TRACKED EXCAVATOR LOCATED ON THE PERIMETER BERM OR THE INTERIOR BERM OF THE RIM DITCH. AS THE RIM DITCH IS EXCAVATED, THE GYPSUM WILL BE CAST ON EITHER SIDE OF THE DITCH AS THE EXCAVATOR TRAVELS ALONG THE DIKE/BERM.
8. THE RIM DITCH MAY BE BLOCKED OR DAMMED AT ANY POINT SO THAT THE FUTURE GYPSUM SLURRY MAY BE DIRECTED TOWARD THE INTERIOR OF THE CELL IN LATERAL DITCHES.
9. THE LATERAL DITCHES SHOULD BE CONSTRUCTED OF GYPSUM EXCAVATED FROM THE PREVIOUS DITCH OR FROM THE DISCHARGE CONTAINMENT BASIN.
10. 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.
11. THIS METHOD OF ALLOWING GYPSUM SETTLEMENT AND RIM AND LATERAL DITCH EXCAVATION IN PHASES WILL BE UTILIZED FOR FILLING TO THE FINAL STACK ELEVATIONS.
12. 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.
13. 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.
14. 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.
15. THE SIPHON SPILLWAY, DISCHARGING TO THE PERIMETER DITCH (OR TOWARD THE RISER/DISCHARGE STRUCTURE), 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.
16. PROPER WATER MANAGEMENT PROCEDURES SHALL BE FOLLOWED TO ENSURE THAT OVERTOPPING OF ANY DISCHARGE SETTLING POOLS IS PREVENTED AND THAT SUFFICIENT FREEBOARD BE MAINTAINED IN POOLS FOR STORAGE OF EXPECTED RAINFALL EVENTS. SIPHONS WILL NEED TO BE OPERATED AS NEEDED PRIOR TO AND DURING A STORM EVENT TO ENSURE NO OVERTOPPING.
17. FOR EACH SUBSEQUENT LEVEL OF GYPSUM SLUICING AND GYPSUM DIKE AND RIM DITCH CONSTRUCTION, THE SAME CONSTRUCTION TECHNIQUES AND OPERATIONS WILL APPLY. GYPSUM SLUICE LINES WILL BE PROGRESSIVELY EXTENDED UP THE GYPSUM SLOPES TO THE NEXT LEVEL AS FILLING PROGRESSES.
18. GYPSUM SLOPES SHALL BE MAINTAINED UNTIL THE FINAL COVER SYSTEM IS PLACED.
19. THE CELLS WILL BE CLOSED IN ACCORDANCE WITH THE CLOSURE PLAN.

ABANDONMENT PROCEDURES

RISER STRUCTURE AND DECANT PIPE ASSEMBLY

THE CELL 1, CELL 2, AND CELL 3 RISER STRUCTURES AND DECANT PIPE ASSEMBLIES 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 WILL BE ACCOMPLISHED BY COMPLETELY FILLING THE DECANT PIPE AND THE LOWER PORTION OF THE RISER STRUCTURE WITH A SELF-LEVELING, LOW STRENGTH, NON-SHRINK, FLOWABLE FILL, GROUT, OR LIGHTWEIGHT CELLULAR CONCRETE IN GENERAL ACCORDANCE WITH THE FOLLOWING PROCEDURES.

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.

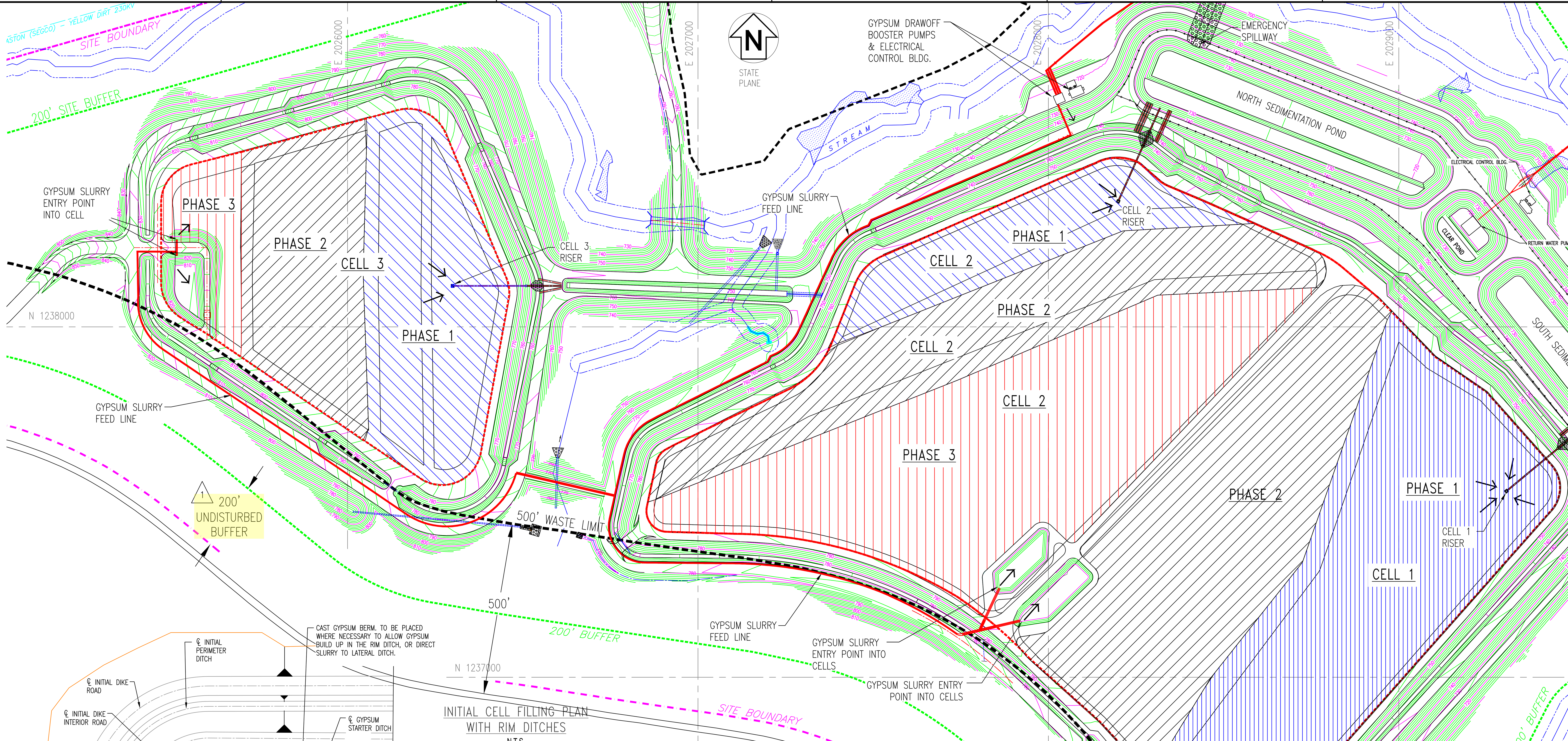
MATERIAL RECLAMATION FOR MARKET

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.

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

REGISTERED PROFESSIONAL ENGINEER No. 27185 R. BRANT LANE 9/1/23

REGISTERED PROFESSIONAL ENGINEER No. 13987 GARY H. McWHORTER 8/31/23



INITIAL CELL FILLING PLAN WITH RIM DITCHES

N.T.S.

LEGEND:

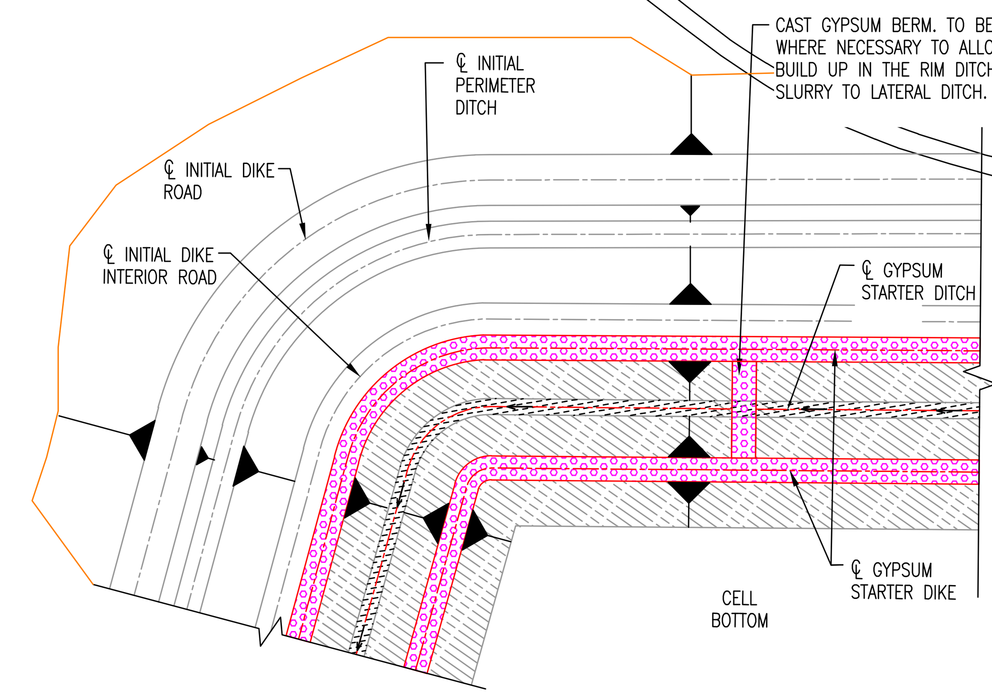
CAST GYPSUM DIKE

CAST GYPSUM DIKE SLOPES (3:1)

SLUICED GYPSUM

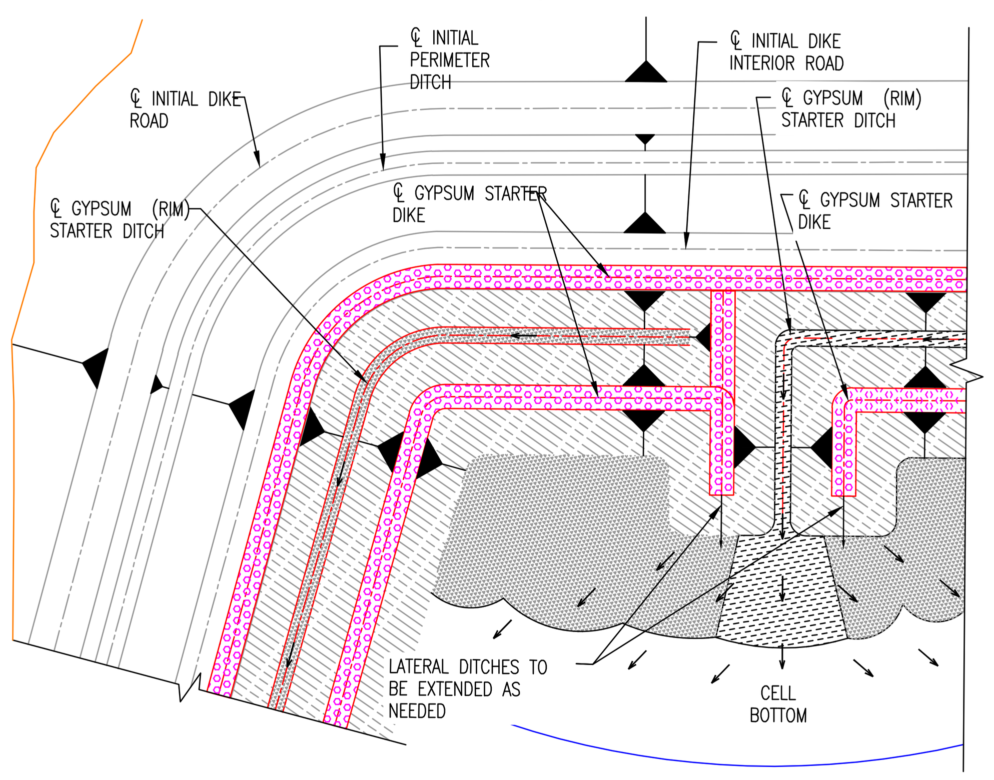
SETTLED GYPSUM

WATER PONDING



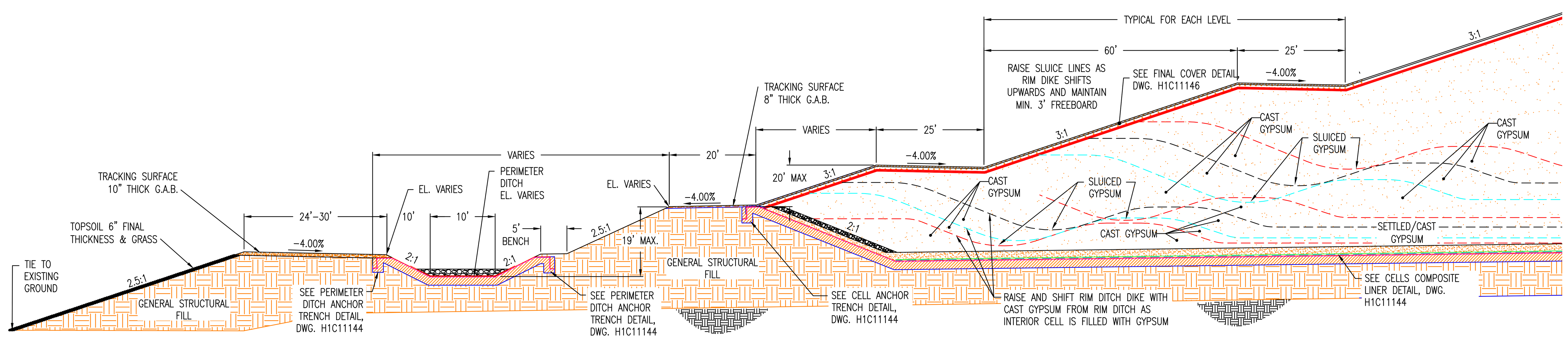
TYPICAL GYPSUM STARTER (RIM) DITCH DETAIL

N.T.S.



TYPICAL LATERAL DITCH DETAIL

N.T.S.



TYPICAL GYPSUM DIKE CONSTRUCTION DEVELOPMENT OF GYPSUM STACK

N.T.S.

Southern Company Generation Engineering and Construction Services

FOR

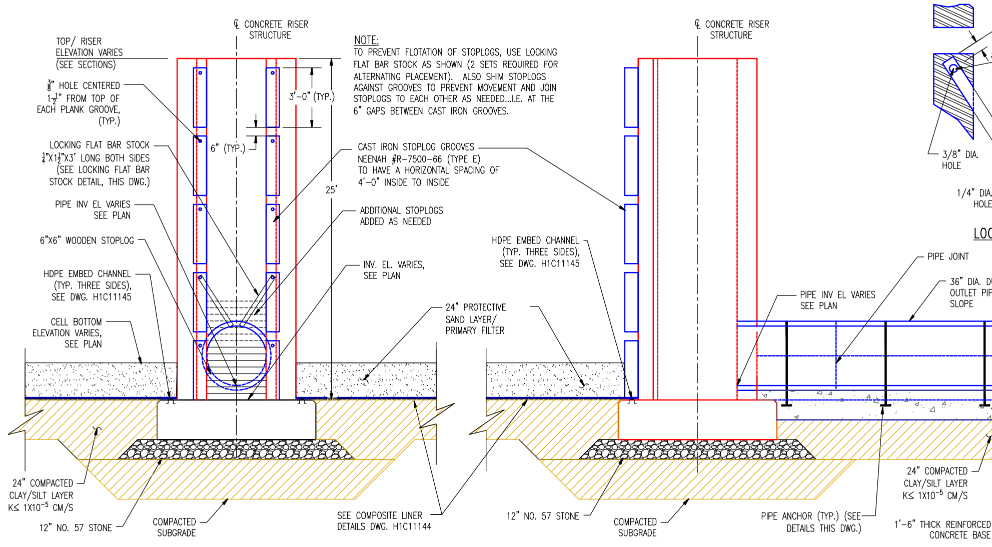
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION RESIDUALS (CCR) LANDFILL
GENERAL GYPSUM STACKING
OPERATION PLAN

REVISION	DATE	DESCRIPTION	BY	CHK'D
1	8-30-2023	REVISED PROPERTY BUFFER AND NORTHERN BUFFER IMPACTS [BY HHNT, INC.]	RSW	RBL
0	09-23-2022	CCR LF PERMIT APPLICATION [BY HHNT, INC.]	ANR	RBL

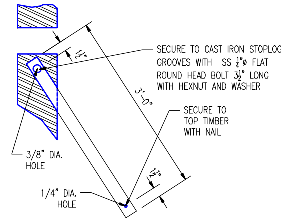
SCALE	DRAWING NUMBER	SHEET	CONT'D	REV
AS NOTED	H1C11142	1	FINAL	1

Acad2008 ANSI F: 40x28

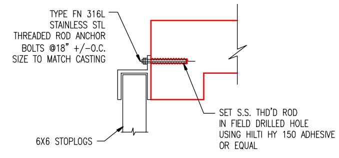


RISER STRUCTURE SECTION
H1C11125, H1C11127 & H1C11129
N.T.S.

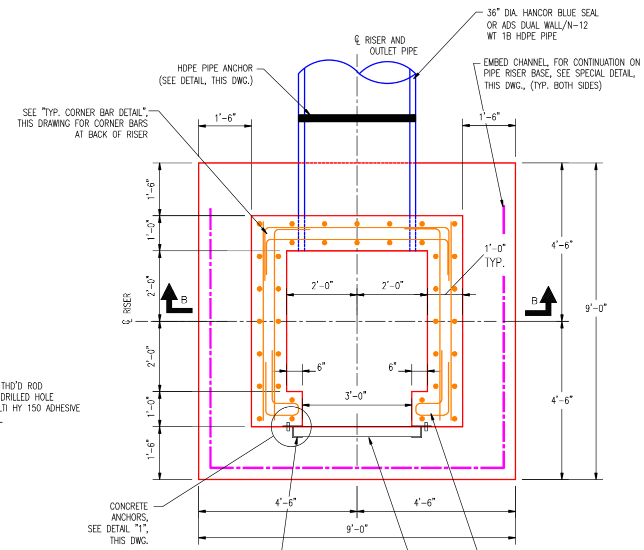
RISER STRUCTURE & DECANT PIPE
H1C11125, H1C11127, & H1C11129
N.T.S.



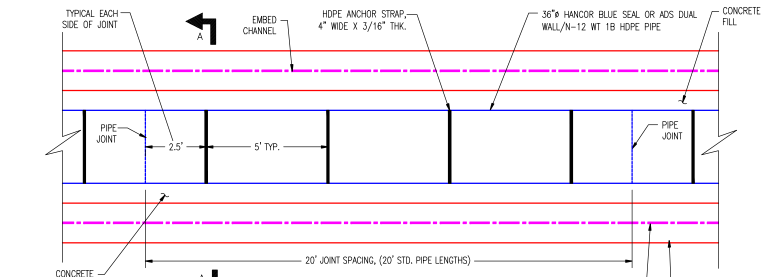
LOCKING FLAT BAR STOCK DETAIL
N.T.S.



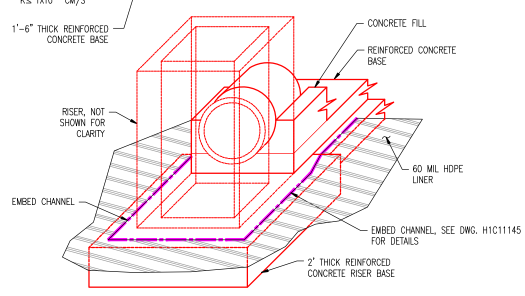
DETAIL "1"
N.T.S.



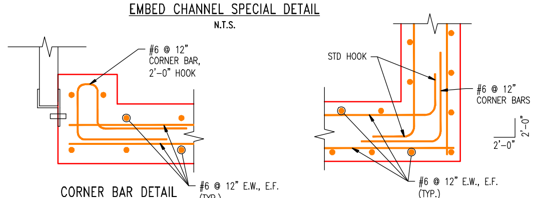
PLAN
N.T.S.



PIPE ANCHOR/STRAP SPACING
N.T.S.

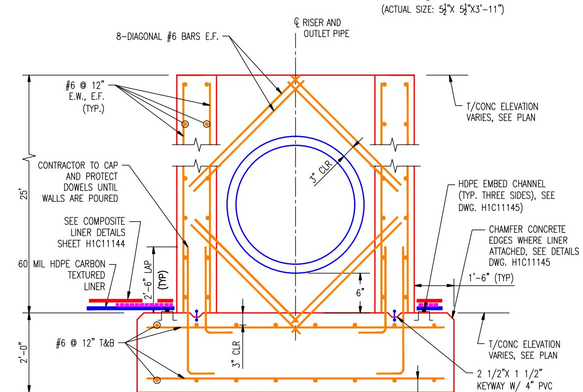


EMBED CHANNEL SPECIAL DETAIL
N.T.S.



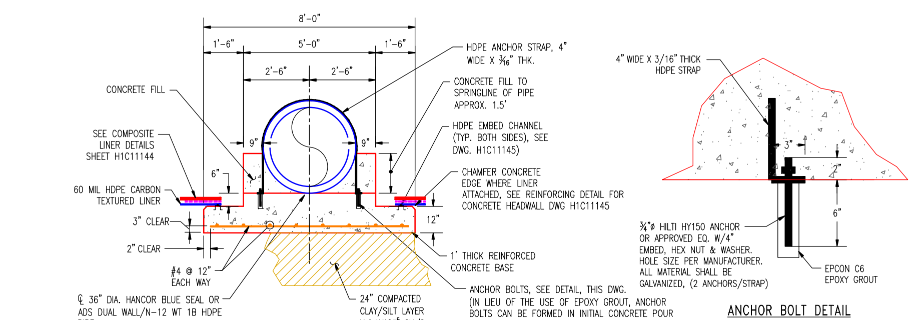
CORNER BAR DETAIL AT OPENING
N.T.S.

TYP. CORNER BAR DETAIL
N.T.S.



SECTION B-B
N.T.S.

RISER STRUCTURE REINFORCEMENT DETAIL
N.T.S.



SECTION A-A
N.T.S.

PIPE ANCHOR DETAIL
N.T.S.

ANCHOR BOLT DETAIL
N.T.S.

NOTES:

1. ALL CONCRETE AND METAL THAT WILL BE EXPOSED TO OR IN CONTACT WITH GYPSUM AND/OR GYPSUM SLURRY WATER, UNLESS OTHERWISE NOTED, SHALL BE COATED WITH CHEMPRUF 2410 LINING SYSTEM BY ATLAS MINERALS AND CHEMICALS, INC. OR APPROVED EQUAL. THIS WILL INCLUDE ALL CONCRETE HEADWALLS AT DITCH CULVERT DRAIN PIPES IN CELLS, LINED DITCHES AND LINED PONDS AS WELL AS COLLARS/HEADWALLS AROUND THE GYPSUM SLUICE LINES, LEACHATE COLLECTION PIPES, CONCRETE SURFACES FOR HDPE CHANNEL EMBEDS AT RISER STRUCTURE AND ASSOCIATED DECANT PIPE, CONCRETE RISER STRUCTURES, AND ALL CONCRETE FOUNDATIONS AND EXPOSED CONCRETE WITHIN THE PONDS AND LINED DITCHES.
2. THE LINING SYSTEM MATERIALS SHALL BE STORED, HANDLED AND APPLIED AS PER MANUFACTURER'S GUIDELINES AND INSTRUCTIONS.
3. THE LINING SYSTEM SHALL BE APPLIED BY PAINTING/COATINGS CONTRACTOR KNOWLEDGEABLE AND EXPERIENCED WITH IT'S APPLICATION.
4. FOR CORRESPONDING ELEVATIONS, PIPE LENGTHS AND SLOPES FOR EACH RISER ASSEMBLY FOR CELLS 1, 2 & 3 SEE DRAWINGS:
H1C11125 - FOR CELL 1
H1C11131 - FOR CELL 2
H1C11133 - FOR CELL 3

REFERENCES:

H1C11120 TITLE SHEET AND DRAWING INDEX
H1C11125 CELL NO. 1, SITE DEVELOPMENT, BASE GRADING PLAN
H1C11131 CELL NO. 2, SITE DEVELOPMENT, BASE GRADING PLAN
H1C11133 CELL NO. 3, SITE DEVELOPMENT, BASE GRADING PLAN
H1C11144 CELL NO. 1 THROUGH CELL NO. 3, MISCELLANEOUS DETAILS, SHEET 2
H1C11145 CELL NO. 1 THROUGH CELL NO. 3, MISCELLANEOUS DETAILS, SHEET 3

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

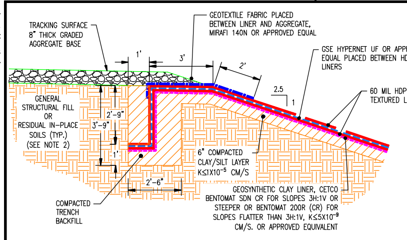
GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 27185 R. BRANT LANE 9/27/22
GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 13687 GARY R. McWHORTER 9/27/22

Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company
PLANT WANSLEY
COAL COMBUSTION BY-PRODUCT DISPOSAL FACILITY
CELL NO. 1 THROUGH CELL NO. 3
MISCELLANEOUS DETAILS
SHEET 1

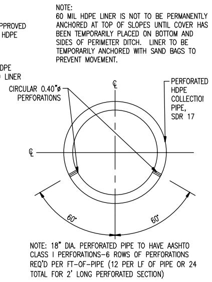
REVISION	DATE
REVISION 0	DATE 09-23-2022
CCR LF PERMIT APPLICATION [BY HHNT, INC.]	

BY	CHK'D	SCALE	DRAWING NUMBER	SHEET	CONT'D	REV
ANR	RBL	AS NOTED	H1C11143	1	FINAL	0

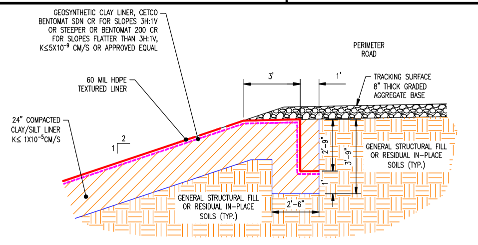
Acad2004 ANSI F: 40x28



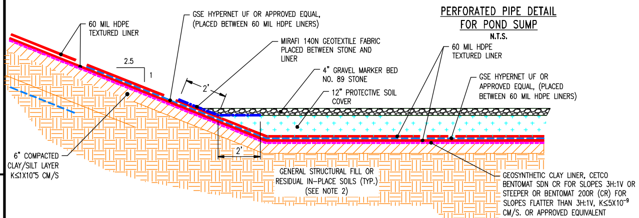
POND ANCHOR TRENCH DETAIL
N.T.S.



PERFORATED PIPE DETAIL FOR POND SUMP
N.T.S.



PERIMETER DITCH WITH ANCHOR TRENCH DETAIL
N.T.S.



TYPICAL POND DOUBLE LINER DETAIL
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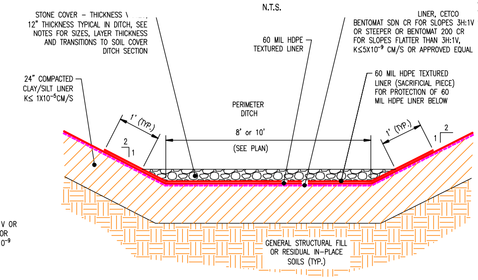
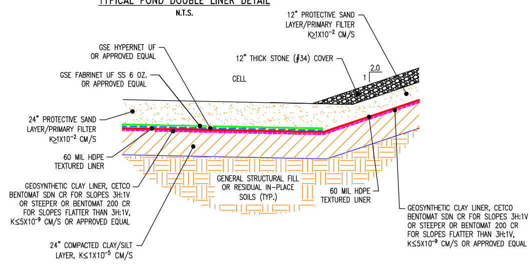
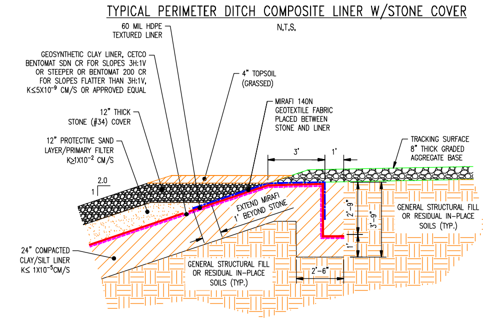


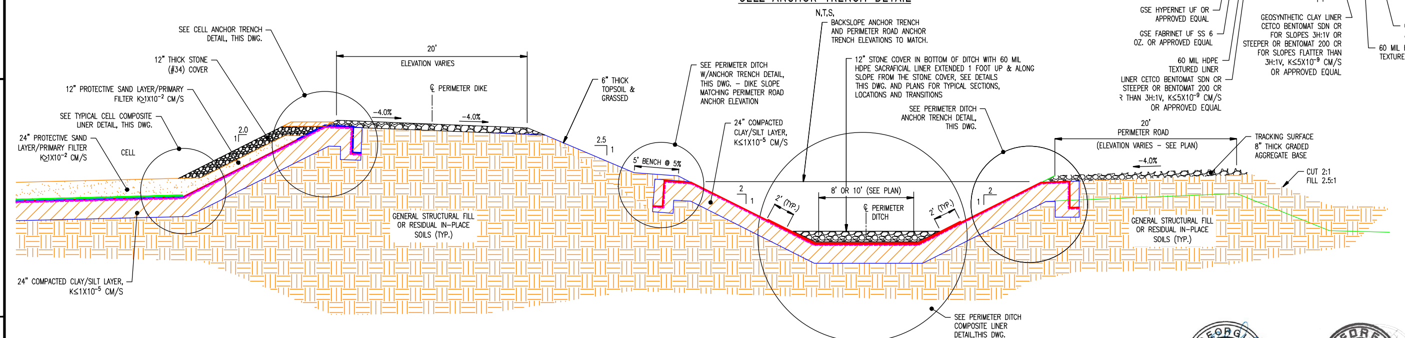
TYPICAL PERIMETER DITCH COMPOSITE LINER W/STONE COVER
N.T.S.



TYPICAL COMPOSITE LINER DETAIL – CELLS 1, 2 & 3
N.T.S.



CELL ANCHOR TRENCH DETAIL
N.T.S.



PERIMETER DITCH STONE INSTALLATION NOTES:

MATERIALS:

1. THE STONE COVER MATERIALS FOR THE EXPOSED HDPE GEOMEMBRANE ON THE BOTTOM OF THE PERIMETER DITCH SHALL CONSIST OF THE FOLLOWING:
   a. A SACRAFICIAL PIECE OF 60 MIL HDPE LINER SHALL BE PLACED IN THE ENTIRE DITCH SECTION FOR THE GYPSUM DISPOSAL CELLS (NOT INCLUDING CONCRETE DROP STRUCTURES). THIS MATERIAL SHALL EXTEND UP BOTH SIDE SLOPES AND TERMINATE AT A DISTANCE OF 2 FEET ABOVE THE STONE COVER.
   b. A NOMINAL 12-INCH TO 24-INCH THICK LAYER OF R-3 OR R-4 STONE (SEE SCHEDULE ABOVE FOR CLASS/LOCATIONS) ON THE DITCH BOTTOMS.

PLACEMENT:

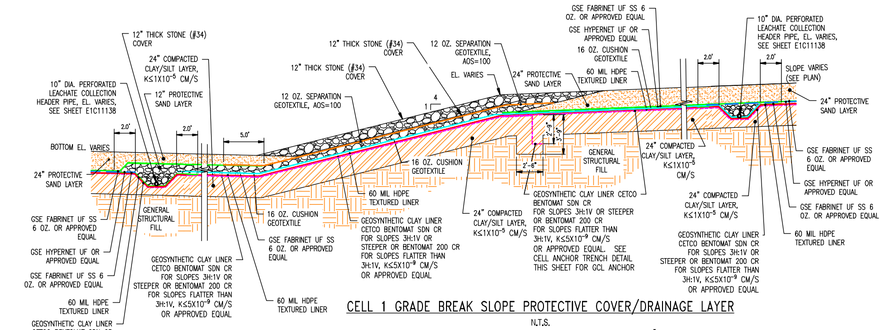
1. AS MUCH AS PRACTICAL, THE GEOCOMPOSITE AND STONE COVER PLACEMENT SHALL BEGIN AT THE HIGH POINT OF THE PERIMETER DITCH AND PROGRESS IN THE DOWN-GRADIENT DIRECTION TO THE LOW POINT OF THE DITCH.
2. PRIOR TO PLACEMENT OF THE GEOCOMPOSITE, THE SURFACE OF THE HDPE LINER SHALL BE CLEARED OF ANY MUD, ROCKS, OR DELETERIOUS DEBRI.
5. PLACEMENT OF THE STONE MATERIALS SHALL BE SUCH THAT GEOCOMPOSITE MATERIAL AND GEOMEMBRANE ARE NOT DAMAGED.
6. AVOID STRETCHING AND TEARING OF THE GEOTEXTILE AND HDPE LINER AT ALL TIMES.
7. DO NOT DROP THE HEAVIER R-3 STONE FROM A HEIGHT OF MORE THAN 8 INCHES.
8. DO NOT DROP THE LIGHTER R2 STONE FROM A HEIGHT OF MORE THAN 12 INCHES.
9. DO NOT ALLOW STONE OR RIP RAP TO ROLL DOWN SLOPES.
10. CONTINUOUS FIELD MONITORING SHALL BE PROVIDED FOR EACH PIECE OF EQUIPMENT USED TO PLACE RIP RAP OR STONE MATERIAL TO ENSURE THAT THE GEOCOMPOSITE AND GEOMEMBRANE ARE NOT DAMAGED.

PERIMETER DITCH STONE COVER SCHEDULE

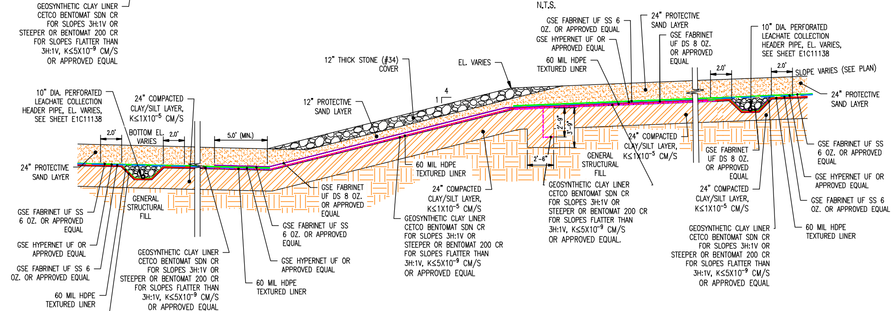
STRUCTURE	LOCATION/LENGTH* ALONG DITCH ℄	STONE SIZE (NSA) BOTTOM	NOTES
CONCRETE DITCH DROP STRUCTURES DOWNSTREAM SECTION	DOWNSTREAM DITCH 25 L.F.	R-4 / 2'	-PLACE 2 FT. THICK LAYER DOWNSTREAM AND TERMINATE AT 1' STONE DEPTH **
CROSSOVER PIPE @ SE CORNER CELL #3	UPSTREAM DITCH 10 L.F. DOWNSTREAM DITCH (SEE NOTE)	R-4 / 2'	-PLACE 1 FT. THK. LAYER UPSTREAM & TAPER ** -PLACE 2 FT. THICK LAYER DOWNSTREAM TO STR. #18
54" DIA. OUTFALL PIPES CELL #3 PERIM DT. STONE COVER AT INLET	UPSTREAM DITCH 30 L.F. DOWNSTREAM DITCH (SEE NOTE)	R-4 / 2'	-PLACE 2 FT. THK. LAYER UPSTREAM AND TERMINATE AT 1' THK. STONE SECTION -PLACE 2 FT. THK. LAYER DOWNSTREAM TO BERM
54" DIA. OUTFALL PIPES CELL #3 PERIM DT. STONE COVER AT OUTLET	UPSTREAM DITCH N/A DOWNSTREAM DITCH 50 L.F.	R-4 / 2'	-PLACE 2 FT. THK. LAYER DOWNSTREAM AND TERMINATE AT 1' THK. STONE SECTION
54" DIA. OUTFALL PIPES FROM 15' WIDE DITCH FROM CELL #3 TO CELL #2 PERIM. DT. STONE COVER AT INLET	UPSTREAM DITCH 50 L.F. DOWNSTREAM DITCH N/A	R-4 / 2'	-PLACE 2 FT. THK. LAYER UPSTREAM AND TERMINATE AT 1' THK. STONE SECTION
54" DIA. OUTFALL PIPES FROM 15' WIDE DITCH FROM CELL #3 TO CELL #2 PERIM. DT. STONE COVER AT OUTLET	UPSTREAM DITCH 30 L.F. DOWNSTREAM DITCH 50 L.F.	R-4 / 2'	-PLACE 2 FT. THK. LAYER UPSTREAM AND TERMINATE AT 1' THK. STONE SECTION -PLACE 2 FT. THK. LAYER DOWNSTREAM AND TERMINATE AT 1' THK. STONE SECTION
OUTFALL PIPES FROM PERIM. DITCHES TO NORTH SED. POND, STONE COVER AT INLET	UPSTREAM DITCH 30 L.F. DOWNSTREAM DITCH (SEE NOTE)	R-4 / 2'	-PLACE 2 FT. THK. LAYER UPSTREAM AND TERMINATE AT 1' TK. STONE SECTION -PLACE 2 FT. THK. LAYER DOWNSTREAM TO BERM
OUTFALL PIPES FROM PERIM. DITCHES TO SOUTH SED. POND, STONE COVER AT INLET	UPSTREAM DITCH 30 L.F. DOWNSTREAM DITCH (SEE NOTE)	R-4 / 2'	-PLACE 2 FT. THK. LAYER UPSTREAM AND TERMINATE AT 1 FT. THK. STONE SECTION -PLACE 2 FT. THK. LAYER DOWNSTREAM TO BERM

* DISTANCES ARE MEASURED ALONG THE PERIMETER DITCH CENTERLINE FROM THE CENTERLINE OF PIPE OR PIPES

** TAPER FOR STONE THICKNESS FROM 1 FOOT TO 2 FEET THICK SHOULD OCCUR IN DISTANCE OF APPROX. 10 FEET.



CELL 1 GRADE BREAK SLOPE PROTECTIVE COVER/DRAINAGE LAYER
N.T.S.



CELL 2 & 3 GRADE BREAKS PROTECTIVE COVER/DRAINAGE LAYER
N.T.S.

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

NOTES:

1. SEE H1C11124 FOR GENERAL NOTES AND LEGEND.
2. THE SECTIONS SHOWN ON THIS DRAWING REPRESENT TYPICAL CONFIGURATIONS FOR THE CELLS, PERIMETER DITCHES, LEACHATE COLLECTION SYSTEM, AND SEDIMENT BASIN. 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 SPECIFICATIONS FOR PROOF-ROLLING CRITERIA FOR IN-PLACE SOILS AND THE PLACEMENT AND COMPACTION CRITERIA FOR GENERAL STRUCTURAL FILL.

REFERENCES:

H1C11120 TITLE SHEET AND DRAWING INDEX
H1C11125 CELL NO. 1 SITE DEVELOPMENT, BASE GRADING PLAN
H1C11131 CELL NO. 2 SITE DEVELOPMENT, BASE GRADING PLAN
H1C11133 CELL NO. 3 SITE DEVELOPMENT, BASE GRADING PLAN
H1C11135 CELL NO. 1 SECTIONS THRU STACK
H1C11145 CELL NO. 1 THROUGH CELL NO. E, MISCELLANEOUS DETAILS, SHEET 3

9/23/22

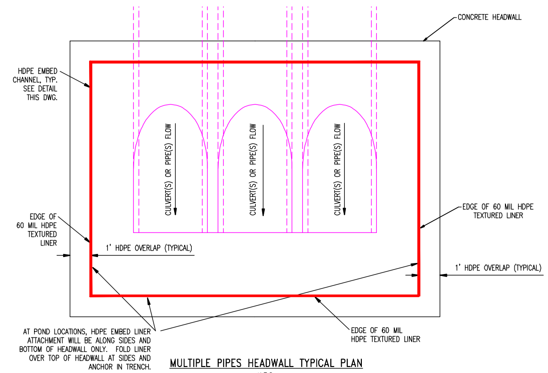
Southern Company Generation Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION BY-PRODUCT DISPOSAL FACILITY
CELL 1 THROUGH CELL 3
MISCELLANEOUS DETAILS
SHEET 2

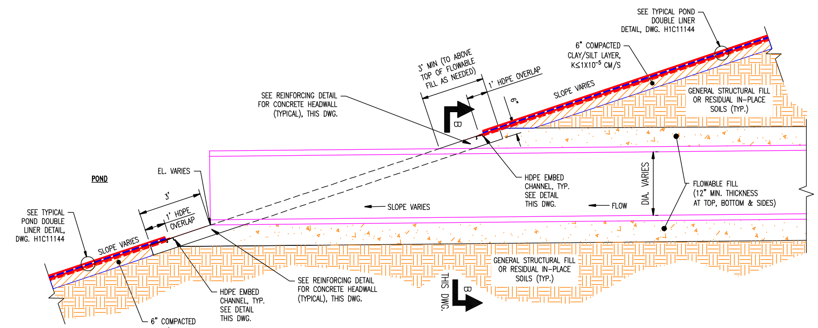
REVISION	DATE	BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR
0 — CCR LF PERMIT APPLICATION [BY HHNT, INC.]	09-23-2022	ANR	RBL					

SCALE	DRAWING NUMBER	SHEET	CONT'D	REV
AS NOTED	H1C11144	1	FINAL	0

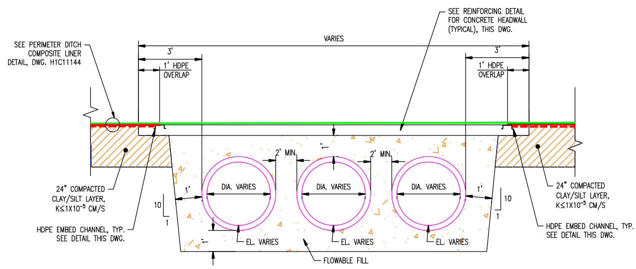
Acad2008 ANSI F: 40x28



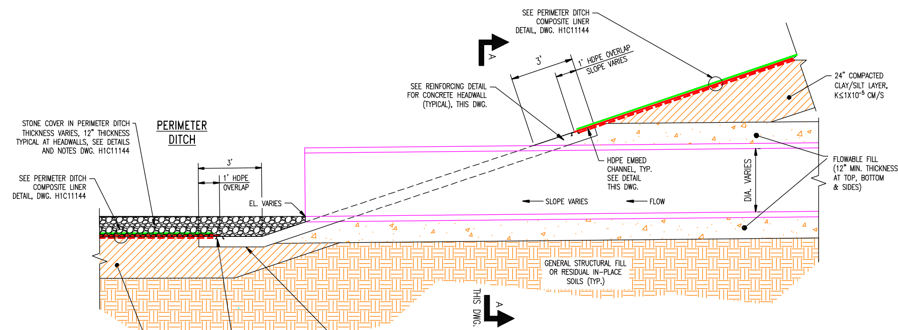
MULTIPLE PIPES HEADWALL TYPICAL PLAN
N.T.S.



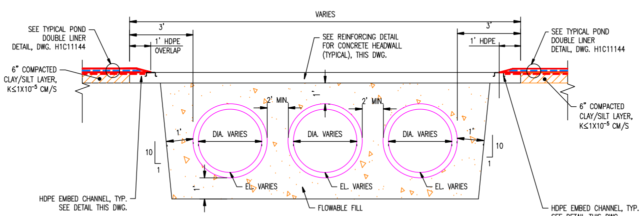
PIPE EXIT CONCRETE HEADWALL AT SEDIMENT & RETURN WATER PONDS
TYPICAL SECTION
N.T.S.



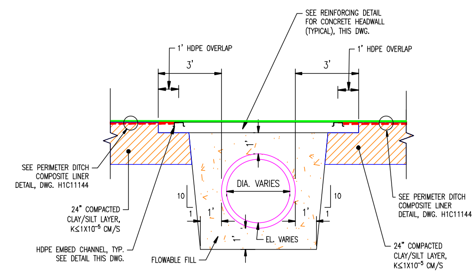
SECTION A-A
TYPICAL MULTIPLE PIPE SECTION AT PERIMETER DITCHES
N.T.S.



CONCRETE HEADWALL AT PERIMETER DITCH
TYPICAL SECTION
N.T.S.



SECTION B-B
TYPICAL MULTIPLE PIPE SECTION AT PONDS
N.T.S.

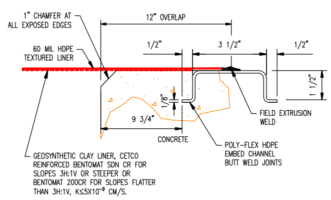


TYPICAL SINGLE PIPE SECTION AT PERIMETER DITCHES
N.T.S.

LINER NOTE:
COMPOSITE LINER COMPONENTS AND COMPONENT THICKNESSES VARY AT PIPE HEADWALLS DEPENDING ON LOCATION IN PERIMETER DITCHES OR PONDS. SEE COMPOSITE LINER DETAILS OF DITCHES AND PONDS, DWG. H1C11144.

REFERENCES:

H1C11120 TITLE SHEET AND DRAWING INDEX
H1C11125 CELL NO. 1, SITE DEVELOPMENT, BASE GRADING PLAN
H1C11131 CELL NO. 2 SITE DEVELOPMENT, BASE GRADING PLAN
H1C11133 CELL NO. 3 SITE DEVELOPMENT, BASE GRADING PLAN
H1C11144 CELL NO. 1 THROUGH CELL NO. 3, MISCELLANEOUS DETAILS, SHEET 2



POLY-FLEX EMBED CHANNEL INSTALLATION DETAIL
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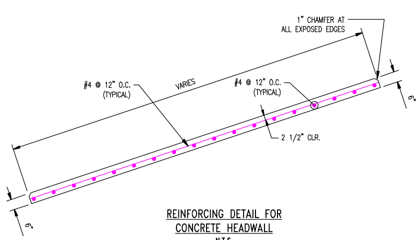


REINFORCING DETAIL FOR CONCRETE HEADWALL
N.T.S.

GEORGIA Department of Natural Resources
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens

GEORGIA REGISTERED PROFESSIONAL ENGINEER R. GRANT LAKE 9/27/22

GEORGIA REGISTERED PROFESSIONAL ENGINEER 9/27/22

Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION BY-PRODUCT DISPOSAL FACILITY
CELL NO. 1 THROUGH CELL NO. 3
MISCELLANEOUS DETAILS
SHEET 3

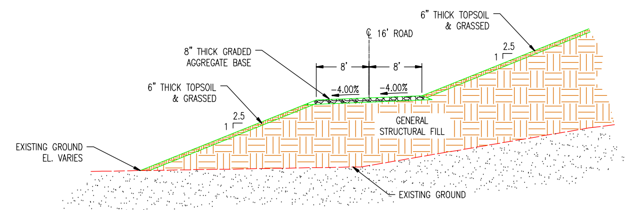
REVISION	DATE
0	09-23-2022
CCR LF PERMIT APPLICATION [BY HHNT, INC.]	

BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR
ANR	RBL					

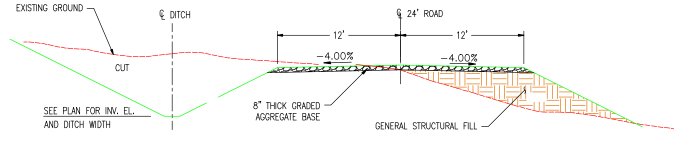
SCALE	DRAWING NUMBER	SHEET	CONT'D	REV
AS NOTED	H1C11145	1	FINAL	0

Acad2008 ANSI F: 40x28

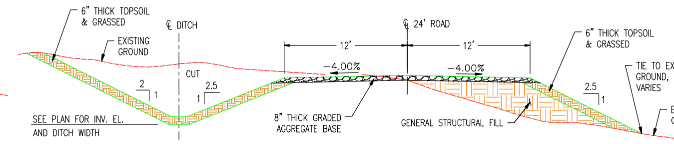
7 | 6 | 5 | 4 | 3 | 2 | 1



PUMP ACCESS ROAD
TYPICAL SECTION
NOT TO SCALE
(H1C11125, H1C11126, H1C11131, H1C11132, & H1C11133)



ACCESS ROAD
TYPICAL SECTION
NOT TO SCALE
(H1C11125, H1C11126, H1C11131, H1C11132, & H1C11133)



ENTRANCE ROAD
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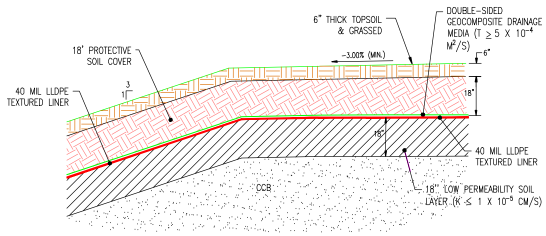

FINAL COVER DETAIL
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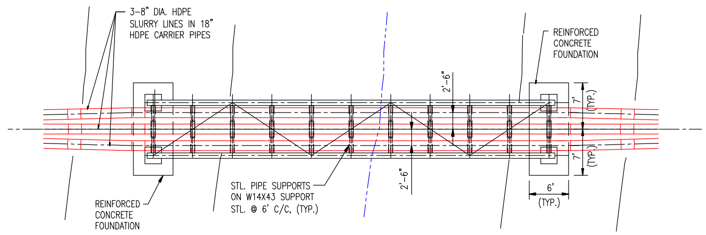
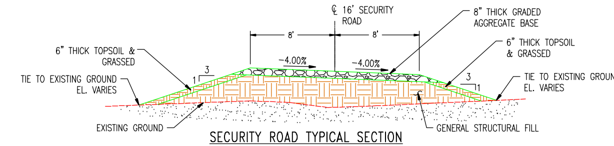
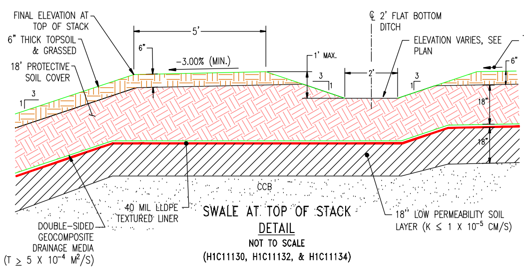
(H1C11130, H1C11132, & H1C11134)



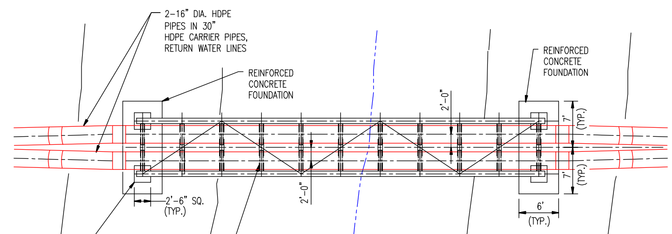
GYPSUM SLURRY STREAM CROSSINGS #1 & #2 - PLAN
NOT TO SCALE
(H1C11124 & H1C11126)



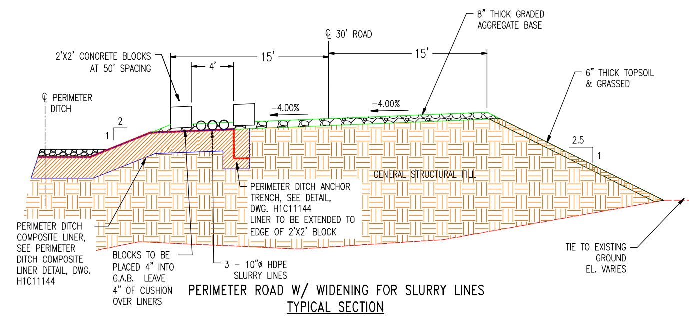
SECURITY ROAD TYPICAL SECTION
NOT TO SCALE
(H1C11125, H1C11126, H1C11127, & H1C11128)



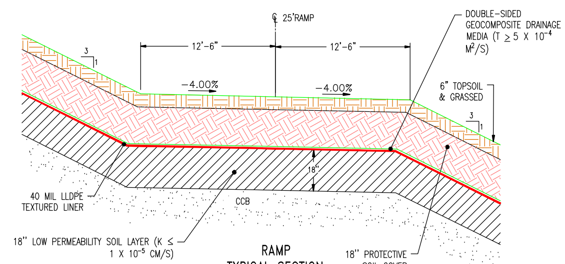
SWALE AT TOP OF STACK
DETAIL
NOT TO SCALE
(H1C11130, H1C11132, & H1C11134)



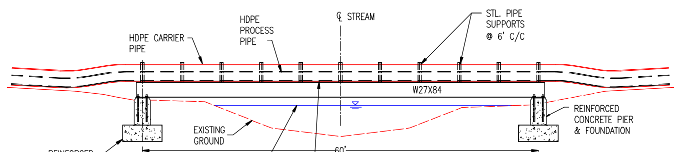
RETURN WATER
STREAM CROSSING PLAN
NOT TO SCALE
(H1C11124 & H1C11125)



PERIMETER ROAD W/ WIDENING FOR SLURRY LINES
TYPICAL SECTION
NOT TO SCALE
(H1C11125, H1C11126, H1C11131, H1C11132 & H1C11133)

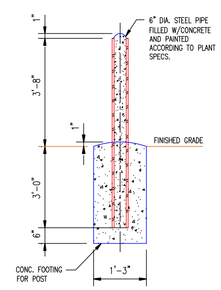


RAMP
TYPICAL SECTION
NOT TO SCALE
(H1C11130, H1C11132, & H1C11134)



CROSSING #1	CROSSING #1	CROSSING #3
100 YR. STORM STREAM EL 700.8	SLURRY LINES, 3-8" HDPE PIPES W/18" HDPE CARRIER PIPES, TOP STL/BOT. PIPES @ EL 709.46	RETURN WATER LINES, 2-16" HDPE PIPES W/30" HDPE CARRIER PIPES, TOP STL/BOT. PIPES @ EL 690.96
CROSSING #2 100 YR. STORM STREAM EL. 700.4	CROSSING #2 SLURRY LINES, 3-8" HDPE PIPES W/18" HDPE CARRIER PIPES, TOP STL/BOT. PIPES @ EL 704.46	
CROSSING #3 100 YR. STORM STREAM EL 687.4		

SECTION
NOT TO SCALE
PROCESS PIPING STREAM CROSSING DETAILS
NOT TO SCALE
(H1C11124, H1C11125, & H1C11126)



BOLLARD DETAIL
NOT TO SCALE

REFERENCES:
H1C11120 TITLE SHEET AND DRAWING INDEX
H1C11124 GENERAL SITE DEVELOPMENT, CELL LAYOUT
H1C11125 CELL NO. 1, SITE DEVELOPMENT, BASE GRADING PLAN
H1C11126 CELL NO. 2, SITE DEVELOPMENT, ROUGH GRADE/BORROW PLAN
H1C11127 SECURITY ROAD LAYOUT AND GRADING PLAN
H1C11130 CELL NO. 1 FINAL STACKING PLAN
H1C11131 CELL NO. 2 SITE DEVELOPMENT, BASE GRADING PLAN
H1C11132 CELL 1 & 2 COMBINED, FINAL STACKING PLAN
H1C11133 CELL NO. 3 SITE DEVELOPMENT, BASE GRADING PLAN
H1C11134 CELL NO. 3 FINAL STACKING PLAN
H1C11135 CELL NO. 1 SECTIONS THRU STACK
H1C11141 CELL NO. 1 AND CELL NO. 2, SEDIMENT POND SPILLWAY SECTIONS AND DETAILS
H1C11144 CELL NO. 1 THROUGH CELL NO. 3, MISCELLANEOUS DETAILS, SHEET 2

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

GEORGIA REGISTERED PROFESSIONAL ENGINEER NO. 27185 BRANT LANE 9/27/22

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 13907 GARY H. McWHORTER 9/27/22

REVISION	DATE	REVISION	DATE	REVISION	DATE	REVISION	DATE	REVISION	DATE	REVISION	DATE	REVISION 0	DATE 09-23-2022
												CCR LF PERMIT APPLICATION [BY HHNT, INC.]	

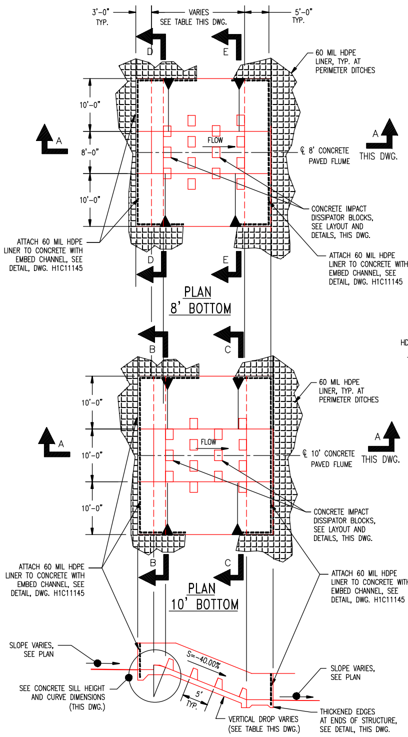
BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR
ANR	RBL					

Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

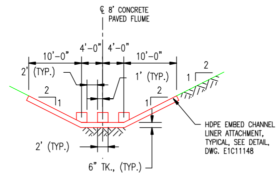
PLANT WANSLEY
COAL COMBUSTION RESIDUALS (CCR) LANDFILL
CELL NO. 1 THROUGH CELL NO. 3
MISCELLANEOUS SECTIONS AND DETAILS
SHEET 1

SCALE	DRAWING NUMBER	SHEET	CONT'D	REV
N.T.S.	H1C11146	1	FINAL	0

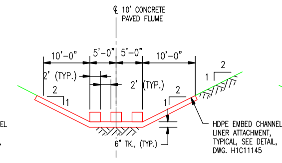
Acad2004 ANSI F: 40x28



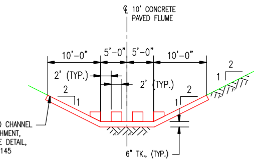
CONCRETE DITCH DROP STRUCTURES
8' AND 10' BOTTOM
(SEE PLANS FOR LOCATIONS)
N.T.S.



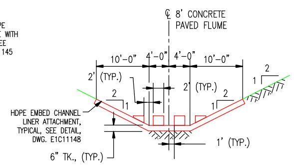
SECTION D-D



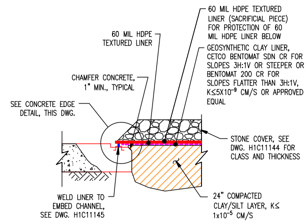
SECTION B-B



SECTION C-C



SECTION E-E



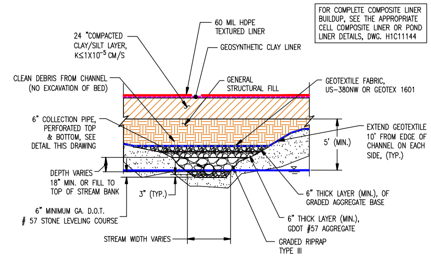
LINER ATTACHMENT
AT CONCRETE EDGES

DROP STRUCTURE TABLE

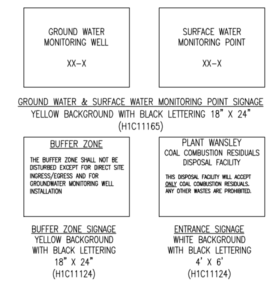
STRUCTURE NO.	CELL NO.	DROP HEIGHT, FT.
1	1	6.00'
2	1	6.00'
3	1	10.00'
4	1	10.00'
5	2	5.62'
6	2	5.62'
7	2	8.13'
8	2	8.13'
9	2	8.13'
10	OMIT	
11	3	9.04'
12	3	10.00'
13	3	10.00'
14	3	10.00'
15	OMIT	
16	3	10.00'
17	3	10.00'
18	3	10.00'
19	3	9.20'

B = 1'-6 2/3"
e = 4 7/8"
hs = 10"
hb = 1'-10"
X = 1'-0 7/8"
Y = 5 5/32"
Z = 1'-1 7/8"
T = 10"
θ = 21°48'05"

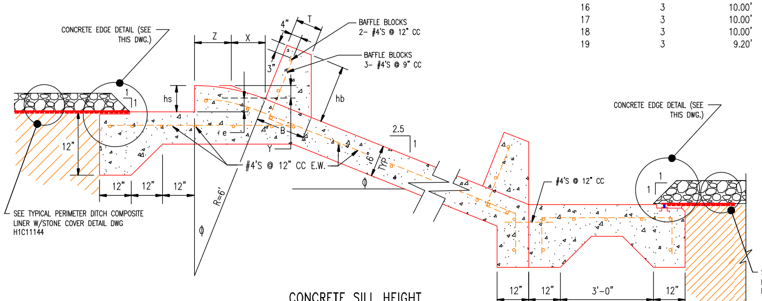
DIMENSION TABLE



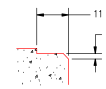
UNDERDRAIN (UNDER CELLS)
INSTALLED IN EXISTING STREAMBEDS
N.T.S.



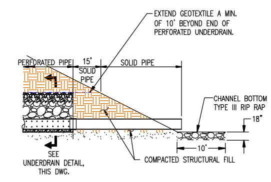
SIGNAGE
N.T.S.
H1C11124



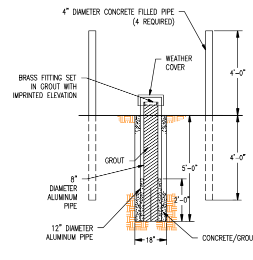
CONCRETE SILL HEIGHT
AND CURVE DIMENSIONS



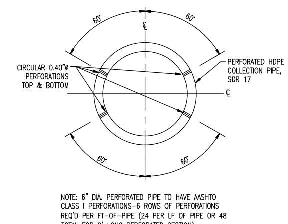
CONCRETE EDGE
DETAIL



UNDERDRAIN OUTLET DETAIL
N.T.S.

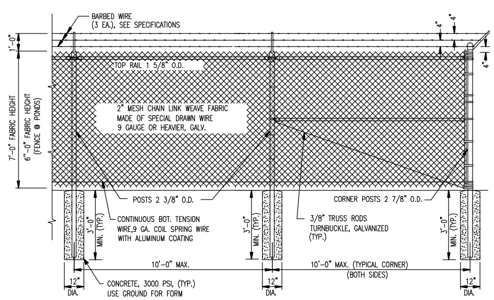


SURVEY CONTROL MONUMENT
N.T.S.
H1C11124



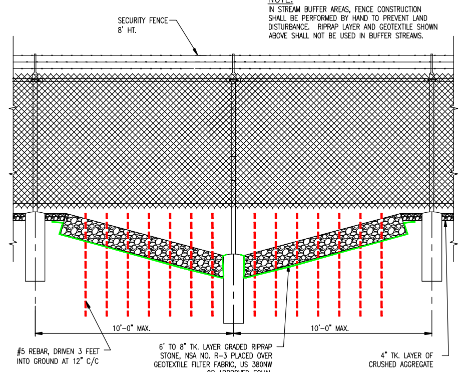
NOTE: 6" DIA. PERFORATED PIPE TO HAVE AASHTO CLASS I PERFORATIONS-6 ROWS OF PERFORATIONS REQ'D PER FT-OF-PIPE (24 PER LF OF PIPE OR 48 TOTAL FOR 2' LONG PERFORATED SECTION)

PERFORATED PIPE DETAIL
FOR UNDERDRAIN
N.T.S.

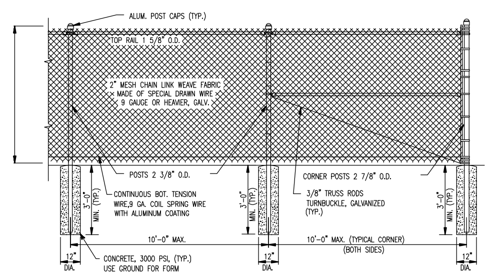


TYPICAL 8' SECURITY
FENCE SECTION AND CORNER
N.T.S.

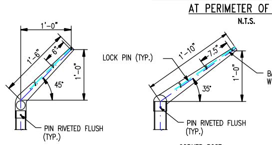
NOTE:
IN STREAM BUFFER AREAS, FENCE CONSTRUCTION SHALL BE PERFORMED BY HAND TO PREVENT LAND DISTURBANCE. RIPRAP LAYER AND GEOTEXTILE SHOWN ABOVE SHALL NOT BE USED IN BUFFER STREAMS.



TYPICAL SECURITY
FENCE DITCH/STREAM CROSSING
N.T.S.



TYPICAL 6' FENCE SECTION AND CORNER
AT PERIMETER OF PONDS
N.T.S.



EXTENSION ARM DETAILS

REFERENCES:

H1C11120 TITLE SHEET AND DRAWING INDEX
H1C11124 GENERAL SITE DEVELOPMENT, CELL LAYOUT
H1C11125 CELL NO. 1, SITE DEVELOPMENT, BASE GRADING PLAN
H1C11127 SECURITY ROAD LAYOUT AND GRADING PLAN
H1C11131 CELL NO. 2 SITE DEVELOPMENT, BASE GRADING PLAN
H1C11133 CELL NO. 3 SITE DEVELOPMENT, BASE GRADING PLAN
H1C11136 CELL NO. 2 SECTIONS THRU STACK
H1C11145 CELL NO. 1 THROUGH CELL NO. 3, MISCELLANEOUS DETAILS, SHEET 3

GEORGIA
Department of Natural Resources
Environmental Protection Division
Approved
Solid Waste Management Program
Approved By: Keith Stevens

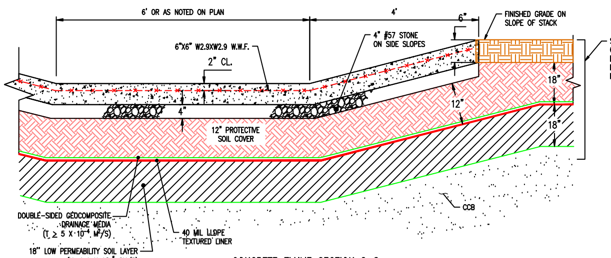
Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION BY-PRODUCT DISPOSAL FACILITY
CELL NO. 1 THROUGH CELL NO. 3
MISCELLANEOUS SECTIONS AND DETAILS
SHEET 2

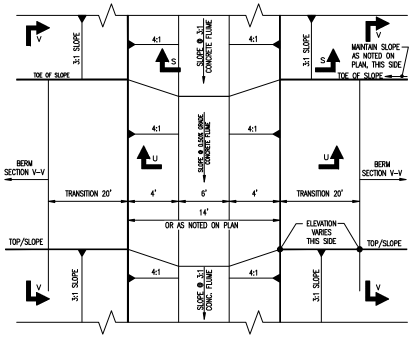
REVISION	DATE	DESCRIPTION	BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR
0	09-23-2022	CCR LF PERMIT APPLICATION [BY HHNT, INC.]	ANR	RBL					

SCALE	DRAWING NUMBER	SHEET	CONT'D	REV
N.T.S.	H1C11147	1	FINAL	0

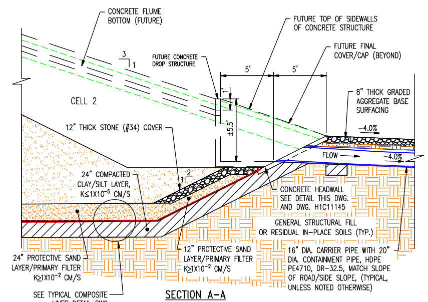
Acad2004 ANSI F: 40x28



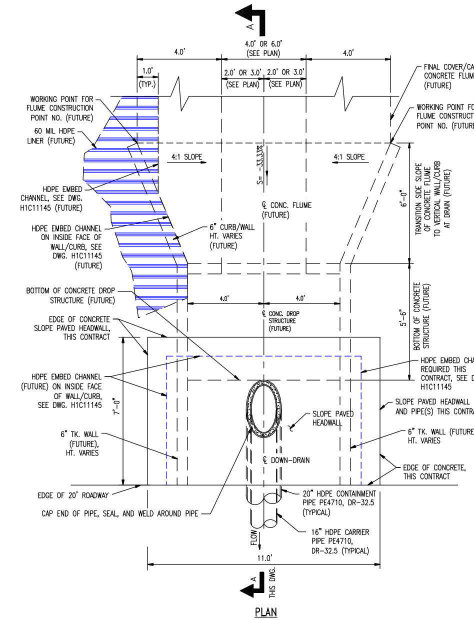
CONCRETE FLUME SECTION S-S
3:1 SIDE SLOPE AREA
N.T.S.
(THIS DWG.)



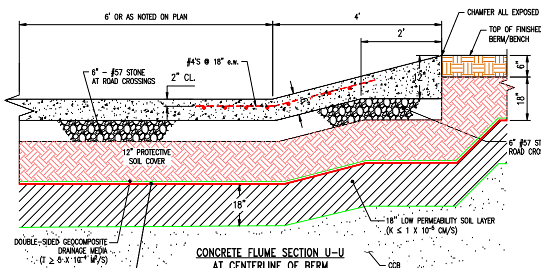
BERM TRANSITION AT FLUME DETAIL
PLAN VIEW
N.T.S.
(H1C11132 & H1C11134)



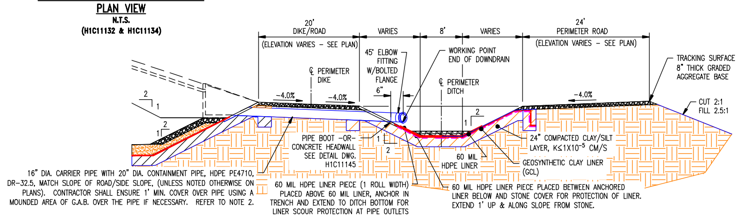
SECTION A-A
RIM DITCH
N.T.S.



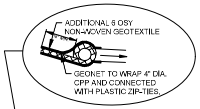
PLAN
INLET WITH HEADWALL
N.T.S.

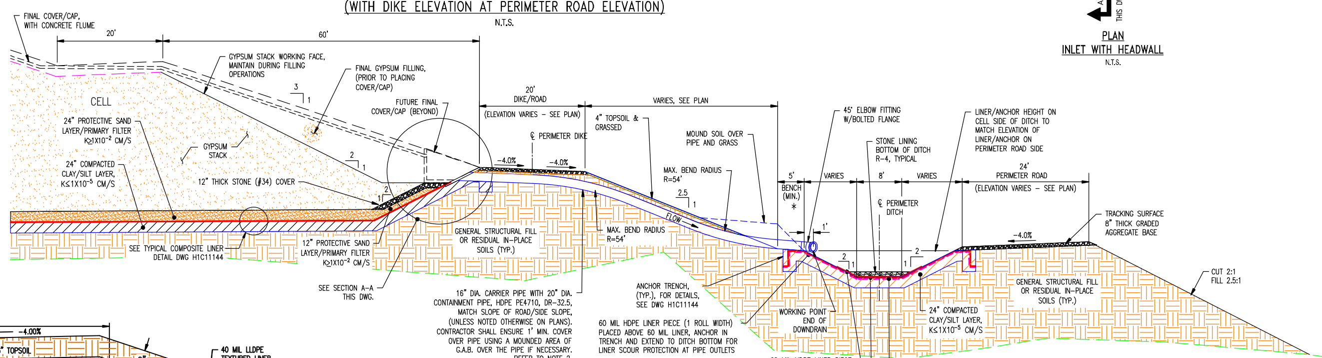


CONCRETE FLUME SECTION U-U
AT CENTERLINE OF BERM
N.T.S.
(THIS DWG.)



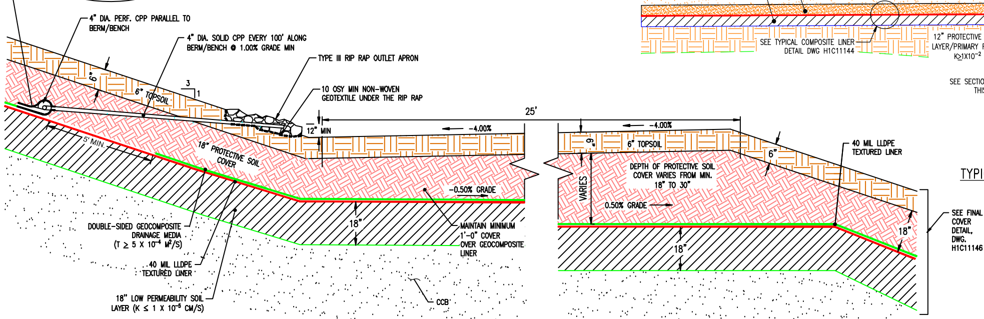
TYPICAL DOWN-DRAIN INTO PERIMETER DITCH
(WITH DIKE ELEVATION AT PERIMETER ROAD ELEVATION)
N.T.S.





* NOTE: BENCH TO BE 5' MINIMUM WIDTH AS SHOWN IN PLANS. WIDEN AS NECESSARY TO INTERCEPT THE 2.5:1 BACKSLOPE FROM 20' DIKE ABOVE.

TYPICAL DOWN-DRAIN INTO PERIMETER DITCH WITH 5' BENCH
N.T.S.
(H1C11125, H1C11131 & H1C11153)



TYPICAL FINAL COVER SECTION V-V AT OUTLET LOCATIONS
N.T.S.
(THIS DWG.)

NOTES:

1. THE SECTIONS SHOWN ON THIS DRAWING REPRESENT TYPICAL CONFIGURATIONS FOR THE CELLS, PERIMETER DITCHES, LEACHATE COLLECTION SYSTEM, AND SEDIMENT BASIN. 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 SPECIFICATIONS FOR PROOF-ROLLING CRITERIA FOR IN-PLACE SOILS AND THE PLACEMENT AND COMPACTION CRITERIA FOR GENERAL STRUCTURAL FILL.
2. THE MOUNDED AREA OVER THE 20" CONTAINMENT PIPE SHALL EXTEND A MINIMUM OF 10' ON EITHER SIDE OF THE PIPE AND MATCH THE WIDTH OF THE PERIMETER DIKE ROADWAY.

REFERENCES:

H1C11120 TITLE SHEET AND DRAWING INDEX
H1C11132 CELL NO. 1 & 2 COMBINED FINAL STACKING PLAN
H1C11134 CELL NO. 3 FINAL STACKING PLAN
H1C11144 CELL NO. 1 THROUGH CELL NO. 3, MISCELLANEOUS DETAILS, SHEET 2
H1C11146 CELL NO. 1 THROUGH CELL NO. 3, MISCELLANEOUS SECTIONS AND DETAILS, SHEET 1
H1C11152 FLUME DATA SHEET

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

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 27185 R. BRANT LANE 9/27/22

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 13607 GARY H. McWHORTER 9/27/22

Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION RESIDUALS (CCR) LANDFILL
CELL NO. 1 THROUGH CELL NO. 3
MISCELLANOUS SECTIONS AND DETAILS
SHEET 3

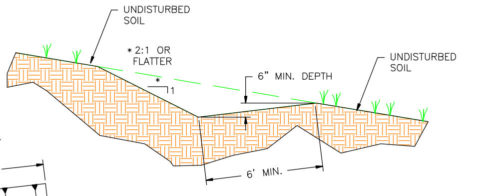
REVISION	DATE
0	09-23-2022

CCR LF PERMIT APPLICATION [BY HHNT, INC.]

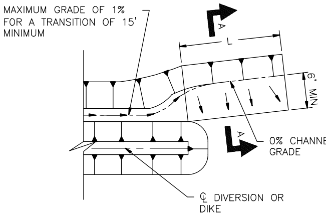
BY	CHK'D	SCALE	DRAWING NUMBER	SHEET	CONT'D	REV
ANR	RBL	N.T.S.	H1C11148	1	FINAL	0

Acad2004 ANSI F: 40x28

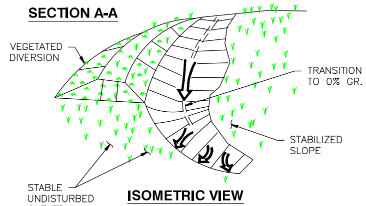
DESIGNED Q10/24 (CFS)	MINIMUM LENGTH "L" (FEET)
UP TO 10	10
11 TO 20	20
21 TO 30	30
31 TO 40	40
41 TO 50	50



SECTION A-A



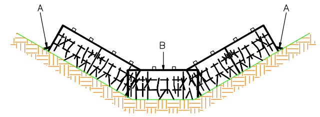
PLAN



ISOMETRIC VIEW

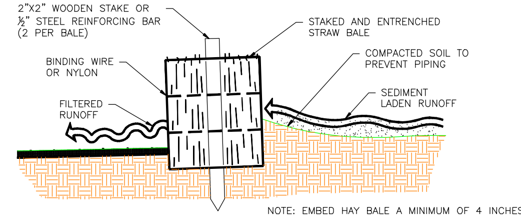
NOTES:
1. GRADE OF CHANNEL FOR LAST 15 FEET OF THE DIKE OR DIVERSION ENTERING THE LEVEL SPREADER SHALL BE LESS THAN OR EQUAL TO 1%.
2. LEVEL SPREADERS MUST BE CONSTRUCTED ON UNDISTURBED SOIL.

TYPICAL LEVEL SPREADER DETAIL
N.T.S.
(Lv)



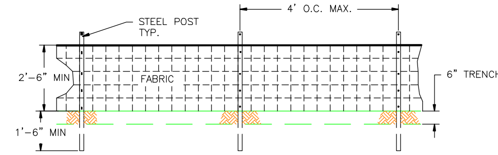
NOTES:
1. POINTS "A" SHOULD BE HIGHER THAN POINT "B".
2. EMBED HAY BALES A MINIMUM OF 4 INCHES.
3. HAY BALES ARE TO BE BOUND WITH WIRE OR NYLON.
4. EACH BALE SHALL BE CONSTRAINED BY TWO 2"x 2" WOODEN STAKES OR TWO 1/2" ø STEEL REINFORCING BARS EMBEDDED 2 FT. IN THE GROUND.
5. HAY BALE CHECK DAMS SHALL BE INSPECTED PERIODICALLY AND PROMPTLY REPAIRED OR REPLACED AS REQUIRED.
6. SEDIMENT BEHIND CHECK DAM SHALL BE REMOVED WHEN IT REACHES A DEPTH OF ONE-HALF THE ORIGINAL DEPTH OF CHECK DAM OR BEFORE.

PLACEMENT OF HAY BALE BARRIER IN DRAINAGE WAY
N.T.S.
(Sd1-Hb)



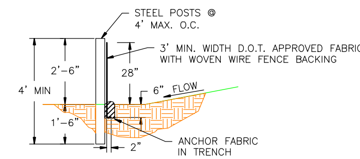
NOTE: EMBED HAY BALE A MINIMUM OF 4 INCHES

CROSS SECTION OF INSTALLED HAY BALE
N.T.S.
(Sd1-Hb)



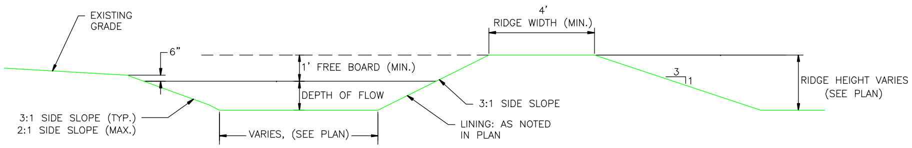
NOTE:
USE 36" G.D.O.T. APPROVED FABRIC USE STEEL POSTS

TYPICAL SILT FENCE FRONT VIEW
SCALE: 1"=2'
(Sd1-C)



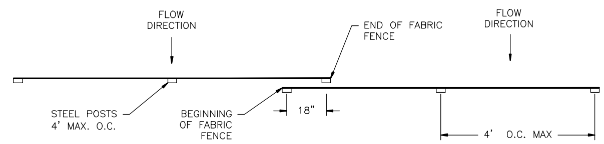
NOTE:
THE SILT FENCE SHALL BE INSPECTED PERIODICALLY AND PROMPTLY REPAIRED OR REPLACED AS REQUIRED. FILTER FABRIC SHALL BE REPLACED WHENEVER IT HAS DETERIORATED TO SUCH AN EXTENT THAT IT REDUCES THE EFFECTIVENESS OF THE FABRIC

TYPICAL SILT FENCE DETAIL TYPE "C"
N.T.S.
(Sd1-C)



NOTES:
1. ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE DIVERSION.
2. THE DIVERSION SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN AND FREE OF IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW.
3. ALL FILLS SHALL BE MACHINE COMPACTED TO PREVENT UNEQUAL SETTLEMENT THAT WOULD CAUSE DAMAGE IN THE COMPLETED DIVERSION.
4. ALL EARTH REMOVED AND NOT NEEDED IN CONSTRUCTION SHALL BE SPREAD OR DISPOSED OF SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE DIVERSION.
5. DIVERSION CHANNEL SHALL BE STABILIZED TO PREVENT MIGRATION OF SOIL FROM DITCH AND/OR BERM.

DIVERSION DETAIL (EXCAVATION PHASE)
N.T.S.
(Di)



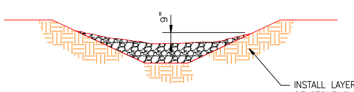
TOP VIEW

TYPICAL SILT FENCE TYPE C- OVERLAP DETAIL
N.T.S.
(Sd1-C)

EROSION CONTROL NOTES:

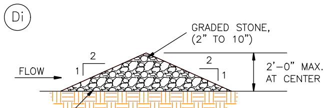
1. EROSION CONTROL MEASURES FOR THIS PROJECT SHALL BE IN COMPLIANCE WITH THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S "MANUAL FOR EROSION AND SEDIMENT CONTROL OF GEORGIA", CURRENT EDITION.
2. PRIOR TO THE COMMENCEMENT OF CLEARING AND GRUBBING OPERATIONS, AND OTHER EARTHWORK ACTIVITIES, THE INITIAL EROSION CONTROL MEASURES SHOWN ON THE PLANS SHALL BE IN-PLACE AND FULLY OPERATIONAL.
3. CONSTRUCTION OPERATIONS SHALL NOT ENCROACH UPON THE STREAM AND WETLAND BUFFERS OR THE 200' UNDISTURBED SITE BUFFER. SEDIMENT FROM CONSTRUCTION ACTIVITY SHALL BE PREVENTED FROM ENTERING BUFFERS.
4. EROSION CONTROL BMP'S SHOWN ON THE PLAN ARE NOT INCLUSIVE OF ALL CONDITIONS/OPERATIONS WHICH MAY OCCUR DURING THE DURATION OF THE PROJECT. ADDITIONAL MEASURES SHALL BE REQUIRED TO PREVENT TRANSPORT OF SEDIMENT FROM THE SITE. CONTRACTOR SHALL SCHEDULE CLEARING AND GRUBBING, AND EARTHWORK OPERATIONS SO AS TO MINIMIZE THE AREA OF SOIL EXPOSED AT ANY ONE TIME DURING THE PROJECT. SEE "SILT FENCE/HAY BALE BARRIER NOTES" ON THIS DRAWING FOR ADDITIONAL BMP'S REQUIRED FOR CLEARING AND GRUBBING AND GRADING OF AREAS WHICH DO NOT DRAIN INTO TEMPORARY SEDIMENT BASINS.
5. SURFACES OF ALL GRASSED SLOPES CONSTRUCTED AT 2.5:1 (2.5 HORIZ TO 1 VERTICAL) AND STEEPER SHALL BE REINFORCED WITH A PERMANENT, NON-DEGRADEABLE "POLYMER NET" EROSION CONTROL MATTING. MATTING SHALL BE LISTED IN THE GEORGIA DOT QUALIFIED PRODUCTS LIST (QPL#49).
6. PERIODIC INSPECTION AND MAINTENANCE OF BMP'S SHALL BE PROVIDED DURING THE LIFE OF THE PROJECT TO ENSURE SEDIMENT TRAPPING EFFICIENCIES ARE ADEQUATE. THE TEMPORARY SEDIMENT BASIN LOCATED AT THE FUTURE NORTH SEDIMENT POND SHALL BE INSPECTED AND MAINTAINED FOR THE DURATION OF PHASE 1, CELL 1 GYPSUM FILLING OPERATIONS AND UNTIL CELL 2 HAS BEEN BASE GRADED AND READY TO RECEIVE LINER(S).
7. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE EROSION CONTROL MEASURES DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL [illegible] WILL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

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

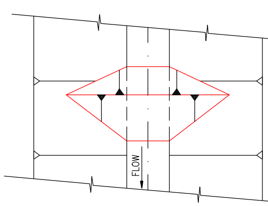


DITCH ELEVATION
N.T.S.

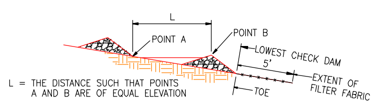
INSTALL LAYER OF FILTER FABRIC BETWEEN AGGREGATE OF STONE CHECK DAM AND EXISTING GROUND TO PREVENT EROSION AT CHECK DAMS. FILTER FABRIC SHALL MEET THE REQUIREMENTS OF AASHTO M288-96, SECTION 7.3, TABLE 3. FILTER FABRIC SHALL EXTEND FIVE FEET (5') PAST TOE OF LAST CHECK DAM.



END ELEVATION
N.T.S.



PLAN
N.T.S.



L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION

SPACING BETWEEN CHECK DAMS
N.T.S.

NOTE:
USE WHERE INDICATED ON PLANS AND AS REQUIRED. CHECK DAMS ARE NOT TO BE USED IN LIVE STREAMS.

TYPICAL STONE CHECK DAM
N.T.S.
(Cd-S)

REFERENCES:

H1C11120 TITLE SHEET AND DRAWING INDEX
H1C11125 CELL NO. 1, SITE DEVELOPMENT, BASE GRADING PLAN
H1C11127 SECURITY ROAD LAYOUT AND GRADING PLAN
H1C11126 CELL NO. 2, ROUGH SITE GRADING PLAN
H1C11130 CELL NO. 1, FINAL STACKING PLAN
H1C11131 CELL NO. 2, SITE DEVELOPMENT, BASE GRADING PLAN
H1C11132 CELL NO. 2, FINAL STACKING PLAN
H1C11133 CELL NO. 3 SITE DEVELOPMENT, BASE GRADING PLAN
H1C11134 CELL NO. 3, FINAL STACKING PLAN
H1C11145 CELL NO. 1 THROUGH CELL NO. 3 MISCELLANEOUS SECTIONS, SHEET 3

SILT FENCE/HAY BALE BARRIER NOTES:
1. ALL SILT FENCE SHOWN ON THE PLANS IS TO BE DOUBLE ROW TYPE"C" BARRIER. CONTRACTOR SHALL MAINTAIN FENCE AT THESE LOCATIONS DURING CONSTRUCTION OF CELLS UNTIL FINAL SURFACE TREATMENTS HAVE BEEN APPLIED AND A SUFFICIENT STAND OF GRASS HAS BEEN ESTABLISHED AS DETERMINED BY THE SITE ENGINEER.
2. ADDITIONAL SILT FENCE (OR HAY BALES) SHALL BE REQUIRED IN AREAS WHICH ARE CLEARED OR GRADED AND DO NOT HAVE STORMWATER RUNOFF DIVERTED TO SEDIMENT BASINS MEETING THE CRITERIA LISTED IN THE TABLES BELOW. THE DRAINAGE AREA SHALL NOT EXCEED 1/4 ACRE FOR EVERY 100 FEET OF SILT FENCE.

CRITERIA FOR SILT FENCE PLACEMENT

LAND SLOPE (PERCENT)	MAXIMUM LENGTH OF SLOPE ABOVE FENCE (FEET)
<2	100
2 TO 5	75
5 TO 10	50
10 TO 20	25
>20	15

CRITERIA FOR HAY BALE PLACEMENT

LAND SLOPE (PERCENT)	MAXIMUM LENGTH OF SLOPE ABOVE FENCE (FEET)
<2	75
2 TO 5	50
5 TO 10	35
10 TO 20	20
>20	10

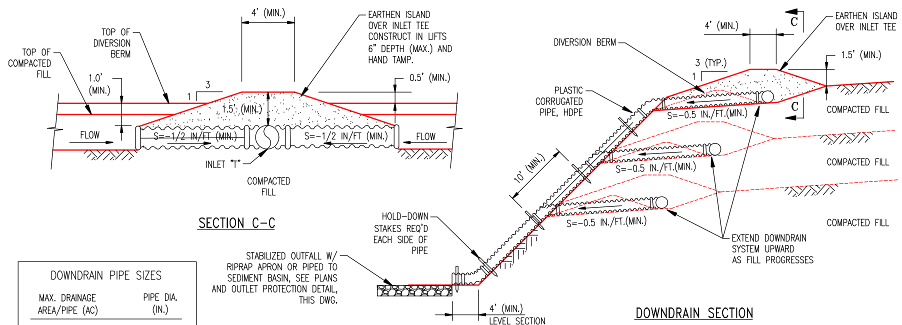
REVISION 0 | DATE 09-23-2022
CCR LF PERMIT APPLICATION [BY HHNT, INC.]

Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION BY-PRODUCT DISPOSAL FACILITY
CELL 1 THROUGH CELL 3
EROSION CONTROL SECTIONS & DETAILS
SHEET 1

BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR	SCALE	PROJ I.D.	DRAWING NUMBER	SHEET	CONT'D	REV
ANR	RBL						AS NOTED	010209	H1C11149	1	FINAL	0

ANSI F: 40x28 Acad2004

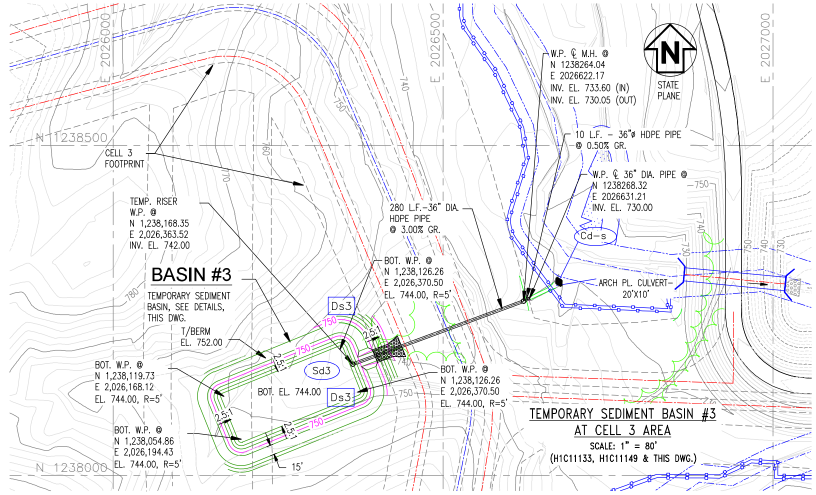


DOWNDRAIN PIPE SIZES

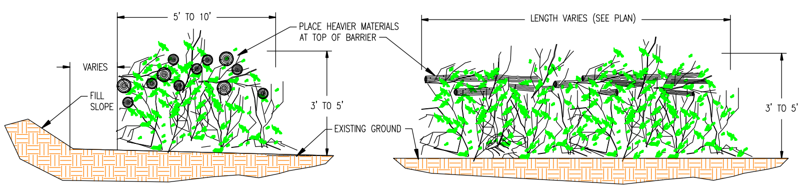
MAX. DRAINAGE AREA/PIPE (AC)	PIPE DIA. (IN.)
0.3	10
0.5	12
1.0	18

NOTE: ALL PIPE CONNECTIONS SHALL BE WATERTIGHT AND SECURE TO PREVENT SEPARATION DURING USE.

TEMPORARY SLOPE DRAIN
N.T.S.
Dn1



TEMPORARY SEDIMENT BASIN #3
AT CELL 3 AREA
SCALE: 1" = 80'
(H1C11133, H1C11149 & THIS DWG.)

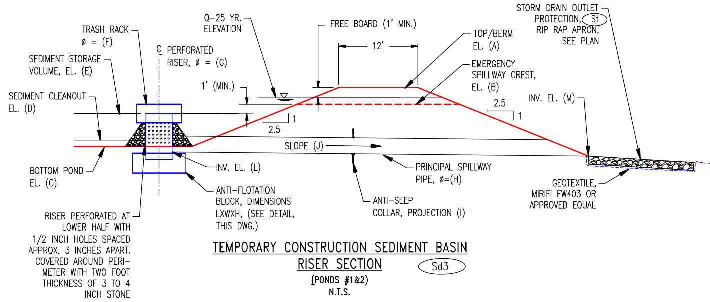


SECTION
N.T.S.

FRONT VIEW
N.T.S.

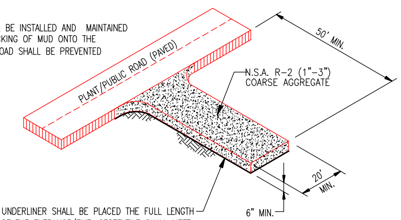
NOTES:
1. INTERMINGLE BRUSH, LOGS, ETC., SO AS NOT TO FORM A SOLID DAM.
2. REMOVE SOIL FROM STUMPS, LOGS, ETC.. PRIOR TO PLACING IN BARRIER.

BRUSH BARRIER DETAIL
N.T.S.
Sd1-Bb



TEMPORARY CONSTRUCTION SEDIMENT BASIN
RISER SECTION
Sd3
(PONDS #1&2)
N.T.S.

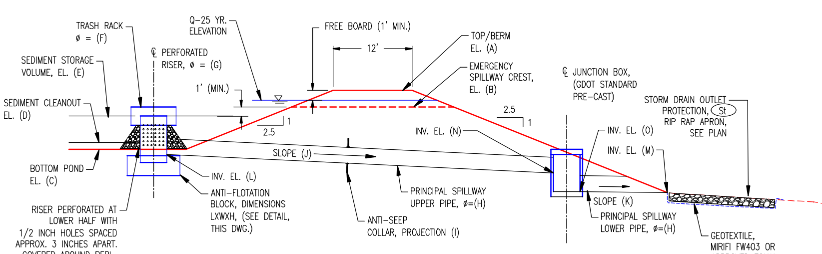
NOTE:
ENTRANCE SHALL BE INSTALLED AND MAINTAINED SUCH THAT TRACKING OF MUD ONTO THE PLANT/PUBLIC ROAD SHALL BE PREVENTED



GEOTEXTILE UNDERLINER SHALL BE PLACED THE FULL LENGTH AND WIDTH OF THE ENTRANCE/EXIT. GEOTEXTILE SHALL MEET REQUIREMENTS OF AASHTO M288-98:

1. FOR SUBGRADES WITH A CBR ≥3 OR SHEAR STRENGTH GREATER THAN 90 KPA, GEOTEXTILE MUST MEET REQUIREMENTS OF AASHTO M288-96 SECTION 7.3.
2. FOR SUBGRADES WITH A CBR BETWEEN 1 AND 3 OR SHEER STRENGTH BETWEEN 30 AND 90 KPA, GEOTEXTILE MUST MEET REQUIREMENTS OF AASHTO M288-96 SECTION 7.4.

GRAVEL CONSTRUCTION ENTRANCE/EXIT
N.T.S.
Co

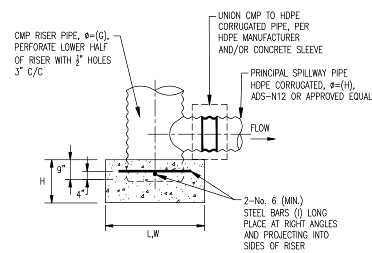


TEMPORARY CONSTRUCTION SEDIMENT BASIN
RISER SECTION
Sd3
(POND #3 & SIMILAR FOR RETROFIT OF NORTH & SOUTH PROCESS SEDIMENTATION PONDS)
N.T.S.

TEMPORARY SEDIMENT BASIN
SECTION DATA

	POND #1	POND #2	RETROFIT SOUTH SED. POND	RETROFIT NORTH SED. POND	POND #3
A	710.00	702.00	740.70	740.70	752.00
B	708.00	700.00	738.33	738.33	750.00
C	704.00	696.50	VARIES	VARIES	744.00
D	704.80	697.30	*SEE NOTE	*SEE NOTE	745.40
E	707.00	699.00	724.00	724.00	748.00
F	72"	72"	54"	54"	54"
G	48"	48"	36"	36"	36"
H	30"	30"	18"	18"	24"
I	18"	18"	24"	24"	24"
J	1.00%	0.50%	18.00%	13.50%	3.00%
K	N/A	N/A	0.50%	0.50%	0.50%
L	702.40	695.50	724.00	723.20	742.00
M	701.40	695.15	685.90	699.95	730.00
N	N/A	N/A	688.00	700.25	733.60
O	N/A	N/A	686.00	700.00	730.05

*NOTE: RETROFITTED SEDIMENTATION PONDS ARE SIZED FOR FLOW RATES FOR PROCESS CONDITIONS AND ARE LARGER THAN REQUIRED FOR BMP'S. SUGGEST CLEANOUT WHEN SEDIMENT DEPTH REACHES TWO FEET. PONDS AND PIPE APPURTENANCES SHALL BE THOROUGHLY CLEANED BEFORE CONVERTING TO USE AS PROCESS PONDS.



CONCRETE RISER BASE DETAIL
NOT TO SCALE

REFERENCES:
H1C11120 TITLE SHEET AND DRAWING INDEX
H1C11125 CELL NO. 1, SITE DEVELOPMENT, BASE GRADING PLAN
H1C11127 SECURITY ROAD LAYOUT AND GRADING PLAN
H1C11126 CELL NO. 2, ROUGH SITE GRADING PLAN
H1C11130 CELL NO. 1, FINAL STACKING PLAN
H1C11131 CELL NO. 2, SITE DEVELOPMENT, BASE GRADING PLAN
H1C11132 CELL NO. 2, FINAL STACKING PLAN
H1C11133 CELL NO. 3, SITE DEVELOPMENT, BASE GRADING PLAN
H1C11134 CELL NO. 3, FINAL STACKING PLAN
H1C11145 CEL[illegible] MISCELLANEOUS SECTIONS, SHEET 3

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

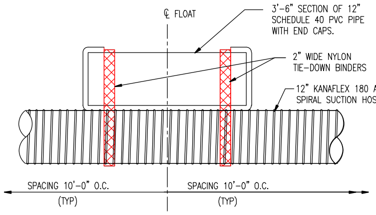
Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION BY-PRODUCT DISPOSAL FACILITY
CELL 1 THROUGH CELL 3
EROSION CONTROL SECTIONS & DETAILS
SHEET 2

REVISION	DATE
0	09-23-2022
CCR LF PERMIT APPLICATION [BY HHNT, INC.]	

BY	CHK'D	SCALE	DRAWING NUMBER	SHEET	CONT'D	REV
ANR	RBL	AS NOTED	H1C11150	1	FINAL	0

Acad2004 ANSI F: 40x28

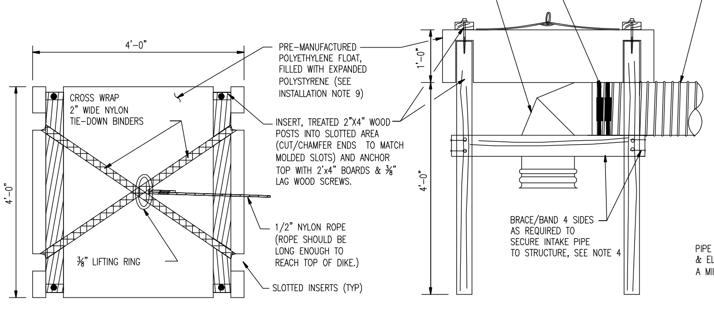


SUCTION HOSE FLOAT

N.T.S.

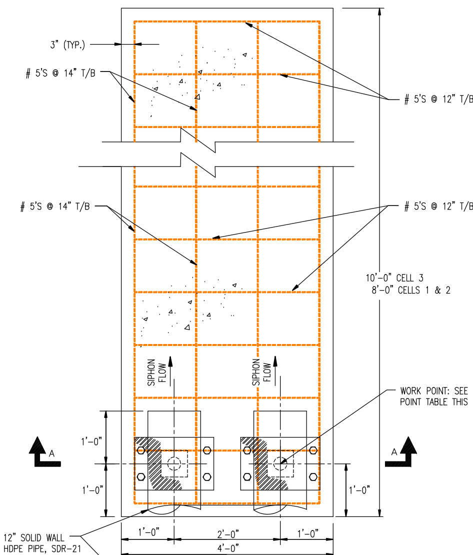
SIPHON WORK POINT TABLE

CELL NO.	COORDINATE WORK POINT	TOP OF CONCRETE ELEVATION
1	W.P. N 1237639.49 E 2029472.05	EL.= 736.50
2	W.P. N 1238520.40 E 2028299.32	EL.= 736.90
3	W.P. N 1238085.50 E 2026538.22	EL.= 755.00

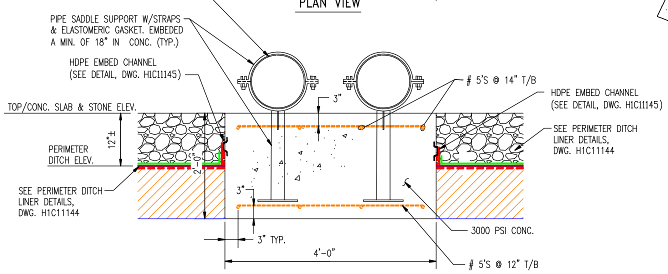


POLYETHYLENE 4'X4'X1' FLOTATION INTAKE

N.T.S.



PLAN VIEW



SECTION "A-A"

DISCHARGE THRUST ANCHOR/SPLASH PAD

CELLS 1, 2 & 3

N.T.S.

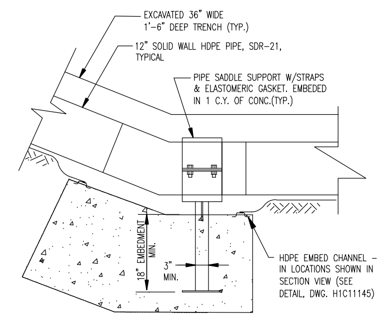
METAL AND CONCRETE SURFACE COATINGS/PAINT:

1. ALL METAL SURFACES WHICH SHALL BE IN CONTACT WITH GYPSUM SLURRY OR DECANT OVER AN EXTENDED PERIOD OF TIME SHALL BE COATED BY THE MANUFACTURER WITH A CORROSION INHIBITIVE PAINT PROVEN EFFECTIVE AS A BARRIER TO THE GYPSUM PRODUCT (CALCIUM SULFATE DIHYDRATE) WITH THE EXCEPTION OF STAINLESS STEEL AND ALUMINUM WHICH DO NOT REQUIRE COATING. GALVANIZED STEEL SHOULD NOT BE SUBSTITUTED FOR MATERIAL SHOWN ON THE PLANS. GALVANIZED BOLTS, FITTINGS, ETC... WHERE INDICATED IN THE PLANS SHOULD NOT BE COATED.
2. PRODUCTS WITHOUT MANUFACTURER APPLIED PROTECTANT SHALL BE THOROUGHLY COATED AS DESCRIBED BELOW IN ACCORDANCE WITH SCS/GEORGIA POWER PAINT/COATING SPECIFICATIONS. PAINT COLOR SHALL BE AS DIRECTED BY GEORGIA POWER.

   -PRIME COAT: SHERWIN-WILLIAMS ZINC-CLAD II, ETHYL SILICATE, INORGANIC, ZINC-RICH COATING AT 2 TO 3 MILS DFT

   -MIDDLE COAT: SHERWIN-WILLIAMS MACROPOXY 646, EPOXY MASTIC AT 5 TO 7 MILS DFT

   -FINISH COAT: SHERWIN-WILLIAMS ACROLON 218 HS ACRYLIC POLYURETHANE, POLYURETHANE ENAMEL AT 2 MILS DFT
3. ALL SURFACES TO RECEIVE COATINGS SHALL BE THOROUGHLY PREPARED FOLLOWING MANUFACTURER'S GUIDELINES AND SCS/GEORGIA POWER SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERING TO ALL FEDERAL, STATE, AND LOCAL RULES AND REGULATIONS PERTAINING TO THE STORAGE/TRANSPORT AND APPLICATION OF PAINTS, COATINGS, SOLVENTS, ETC... INCLUDING THE DEPARTMENT OF LABOR'S OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION'S (OSHA'S) CURRENT REGULATIONS.
4. CONTRACTOR SHALL PROTECT VALVE STEMS AND OTHER SURFACES FROM OVERSPRAY.



SECTION

SIPHON THRUST ANCHOR

N.T.S.

ELEVATION TABLE FOR PLACEMENT OF BALL VALVE

CELL NO.	MANUAL VALVE PLACEMENT ELEVATION
1	EL.= 744.50
2	EL.= 749.00
3	EL.= 763.20

SIPHON INSTALLATION AND OPERATION NOTES:

INSTALLATION AND MAINTENANCE:

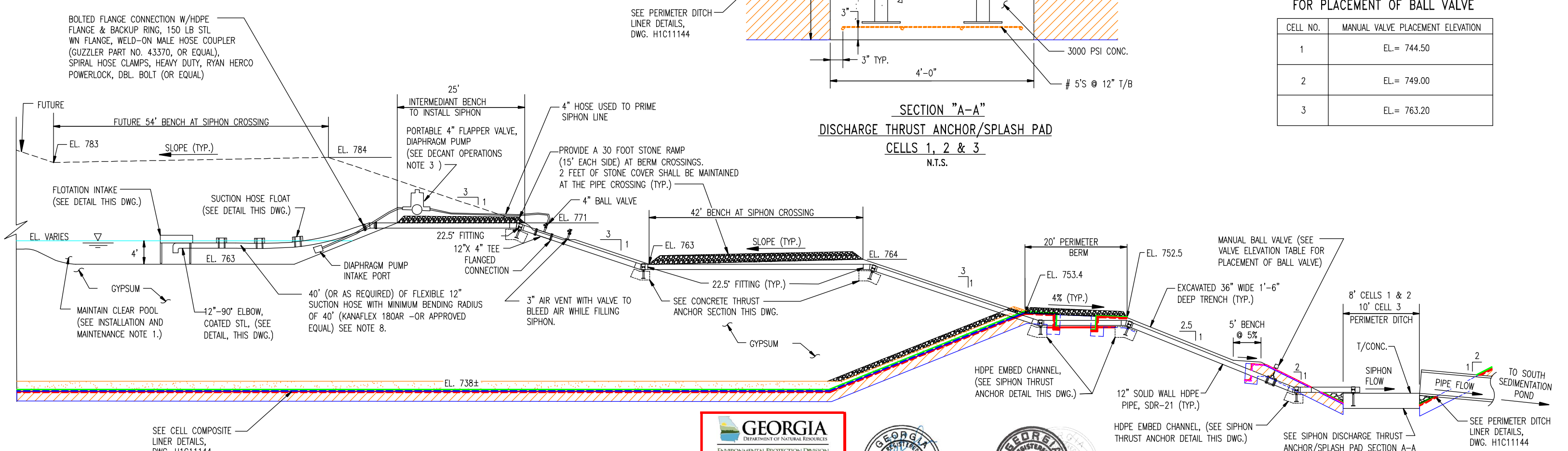
1. MAINTAIN CLEAR POOL AREA AT SIPHON INTAKE OF SUFFICIENT DEPTH DURING DECANT OPERATIONS OF CELL. (5' SUGGESTED, 3' MINIMUM DEPTH - WILL LOSE SIPHON AT 2' DEPTH). AT LEAST 2' OF FREEBOARD MUST BE MAINTAINED AT ALL TIMES.
2. SECOND SIPHON SHOULD BE CAREFULLY MAINTAINED, TESTED, AND SHOULD BE IN POSITION FOR USE AS REQUIRED DURING STORM EVENTS. INTAKE POINT OF THIS SIPHON SHOULD BE POSITIONED 50 FEET OR MORE FROM THE PRIMARY INTAKE SIPHON.
3. FLAG/PROTECT VALVES AND APPURTENANCES OF SIPHON TO PREVENT DAMAGE FROM TRAFFIC AT TOP OF DIKES.
4. SIPHON MUST BE MAINTAINED AIRTIGHT TO PREVENT LOSS OF SUCTION DURING OPERATIONS. FLEX HOSE OR HDPE SOLID WALL PIPE MUST NOT BE PIERCED BY ANY SUPPORTING SCREWS OR BOLTS WHEN ASSEMBLING APPARATUS.
5. WATER SUPPLY INTO SIPHON MAY BE PUMPED FROM CELL OR PLANT WATER.
6. UPPER SECTION OF SIPHON AT TOP-OF-DIKE SHOULD BE BURIED WITH A MINIMUM OF 2 FEET OF COMPACTED COVER ABOVE PIPES. THE 2 FEET OF COVER, SHALL BE TAPERED DOWN TO BERM HEIGHT OVER A DISTANCE OF 15 FEET EACH SIDE OF PIPE TO ALLOW VEHICLE ACCESS ACROSS PIPES. THE UPPER FOOT OF COVER SHOULD BE CRUSHED AGGREGATE BASE MATERIAL.
7. TO REMOVE ANY ACCUMULATED HARDENED GYPSUM FROM INSIDE SURFACE OF PIPE, OPERATOR MAY PERIODICALLY USE HAND-HELD RUBBER HAMMER STRIKING OUTSIDE SURFACE OF MAIN SIPHON LINE. CARE SHOULD BE TAKEN TO PREVENT DAMAGE TO SIPHON VALVES/APPURTENANCES. MOTOR OPERATED EQUIPMENT SHOULD NOT BE USED TO STRIKE SIPHON.
8. SIPHON OPERATIONS WILL BE LIMITED DUE TO AVAILABLE HEIGHT DIFFERENTIAL BETWEEN INTAKE IN GYPSUM CELL AND DISCHARGE OUTLET END OF SIPHON. SIPHON WILL ONLY WORK AT DIKE ELEVATION HEIGHTS: CELL#1 EL. 771 AND ABOVE. THE SUCTION HOSE CAN NOT EXCEED 55' IN LENGTH AT CELL HEIGHT EL. 771'. AS THE CELL HEIGHT INCREASES, THE SUCTION HOSE LENGTH MAY BE INCREASED AS CALCULATED USING THE FOLLOWING EQUATION. (CELL HEIGHT ELEVATION - EL. 771') (3) + (55') = MAXIMUM SUCTION HOSE LENGTH. EX. AT A CELL HEIGHT EL. OF 784', THE MAXIMUM SUCTION HOSE LENGTH WOULD BE (EL. 784' - EL. 771') (3) + (55') = 94'.
9. A PRE-MANUFACTURED 4'X4'X12" POLYETHYLENE DOCK FLOAT SECTION WITH EXPANDED POLYSTYRENE FILL AS SHOWN IN DETAILS MAY BE ACQUIRED AT WWW.PROTATCH.COM OR AN APPROVED EQUAL MAY BE PROVIDED.
10. THE SIPHON PIPE RUNNING DOWN OUTER SLOPE OF STACKS SHOULD BE PLACED IN AN EXCAVATED TRENCH TO CONTROL MOVEMENT OF PIPE FROM EXPANSION/CONTRACTION OF HDPE AND THRUST OF SIPHON DURING OPERATIONS. THIS TRENCH SHOULD NOT BE BACKFILLED AS THERE WILL BE A NEED TO REMOVE GYPSUM DEPOSITS ACCUMULATING ALONG THE LENGTH OF THE PIPE (SEE NOTE 7 ABOVE). THE PIPE SHOULD NOT BE ENCASED IN THE CONCRETE THRUST BLOCKS BUT SHOULD BE SECURELY ATTACHED TO THE CONCRETE USING PIPE SADDLE SUPPORTS W/STRAPS AND ELASTOMERIC GASKET.
11. ALL METAL SURFACES OF THE SIPHON ASSEMBLY ARE TO BE COATED AS OUTLINED IN METAL SURFACE COATINGS/PAINT NOTES ON THIS DRAWING.
12. PRIOR TO PLACING FINAL SURFACE/CAP, THE SIPHON AND ALL APPURTENANCES (INCLUDING CONCRETE THRUST BLOCKS) SHALL BE REMOVED.

DECANT OPERATIONS:

1. SUBMERGE INTAKE OF PIPE BELOW POOL ELEVATION OF GYPSUM CELL. ALLOW FOR SUFFICIENT SUBMERGENCE TO PREVENT LOSS OF PRIME IN SIPHON IF AIR IS ALLOWED INTO INTAKE. A CLEAR POOL IN THE AREA OF THE INTAKE MUST BE MAINTAINED DURING COURSE OF CELL DECANTING.
2. CLOSE BALL VALVE AT PIPE DISCHARGE END. VALVE SHOULD BE A MANUAL BALL VALVE WHICH CAN BE OPERATED FROM THE TOP OF THE DIKE AREA TO FACILITATE SEQUENCE OF OPERATION/FILLING OF SIPHON.
3. OPEN AIR VENT VALVE AND OPEN WATER SUPPLY VALVE AT TOP OF SIPHON/DIKE AND FILL DISCHARGE PIPE FROM DOWNSTREAM BALL VALVE UNTIL WATER DISCHARGES FROM THE AIR VENT.
4. TURN OFF WATER SUPPLY WHEN DOWNSTREAM PIPE IS FILLED AND CLOSE AIR VENT VALVE.
5. OPEN DISCHARGE VALVE (BALL VALVE) TO START SIPHON.
6. REGULATE FLOW FROM CELL BY DISCHARGE VALVE.
7. FOR CONTINUOUS OPERATION, THE DISCHARGE VALVE WILL NEED TO BE CALIBRATED SUCH THAT THE OPERATOR WILL KNOW THE VALVE POSITION WHERE THE DISCHARGE EQUALS THAT OF THE SLURRY ENTERING THE STACK..I.E. THE PERMANENT POOL ELEVATION OF THE STACK IS CONSTANT. THIS VALVE MAY BE OPENED UP TO ALLOW FOR ADDITIONAL DISCHARGE FROM STORM EVENTS, HOWEVER A SECOND SIPHON WILL BE NEEDED FOR LARGER STORM FLOW DISCHARGE (SEE BELOW).

STORM FLOW DISCHARGE OPERATIONS:

1. MAINTAIN DECANT SIPHON FLOW WITH DISCHARGE VALVE OPEN FOR FULL FLOW.
2. PRIME SECOND SIPHON USING PROCEDURES ABOVE AND SET DISCHARGE VALVE OPEN TO FULL FLOW.
3. SHUT OFF SECOND SIPHON WHEN WATER LEVEL IN CELL RETURNS TO PROCESS ELEVATION. (CLOSE MANUAL BALL VALVE AT DISCHARGE OF SIPHON).



SIPHON SECTION CELL 1

SCALE: 1" = 10'

GEORGIA Department of Natural Resources
Environmental Protection Division
Approved
Solid Waste Management Program
Approved By Keith Stevens

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 27185 R. GRANT LANE 9/27/22

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 18907 GARY H. MCWHORTER 9/27/22

Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION BY-PRODUCT DISPOSAL FACILITY
CELL 1 THROUGH CELL 3
SIPHON SECTIONS AND DETAILS

REVISION	DATE
REVISION 0	DATE 09-23-2022
CCR LF PERMIT APPLICATION [BY HHNT, INC.]	

BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR
ANR	RBL					

SCALE	DRAWING NUMBER	SHEET	CONT'D	REV
AS NOTED	H1C11151	1	FINAL	0

Acad2004 ANSI F: 40x28

CELL 1 AND CELL 2

FLUME A			
POINT NO.	NORTHING	EASTING	ELEVATION
A1	1237682.66	2027978.61	904.15
A2	1237696.47	2027974.78	904.15
A3	1237678.66	2027908.07	883.00
A4	1237692.60	2027906.67	883.00
A5	1237671.67	2027784.99	882.00
A6	1237685.57	2027782.75	882.14
A7	1237656.75	2027729.59	863.00
A8	1237670.34	2027726.18	863.00
A9	1237619.74	2027592.10	843.00
A10	1237633.48	2027589.29	843.00
A11	1237586.39	2027468.24	843.00
A12	1237600.16	2027465.56	843.60
A13	1237578.73	2027405.52	823.00
A14	1237592.57	2027403.35	823.00
A15	1237549.47	2027165.58	823.30
A16	1237563.31	2027163.43	823.20
A17	1237537.81	2027104.17	803.00
A18	1237551.59	2027101.68	803.00
A19	1237507.31	2026943.45	803.80
A20	1237521.07	2026940.84	803.83
A21	1237507.96	2026909.77	803.98
A22	1237521.61	2026912.91	803.98
A23	1237516.76	2026871.60	792.00
A24	1237530.33	2026874.99	792.00
A25	OMIT	OMIT	OMIT
A26	OMIT	OMIT	OMIT

FLUME B			
POINT NO.	NORTHING	EASTING	ELEVATION
B1	1237783.38	2028160.95	904.15
B2	1237780.51	2028175.04	904.27
B3	1237853.81	2028158.95	883.00
B4	1237853.24	2028172.92	883.00
B5	1237945.35	2028156.26	863.00
B6	1237945.34	2028170.24	863.00
B7	1238040.51	2028153.51	843.00
B8	1238039.81	2028167.49	843.00
B9	1238135.80	2028158.29	823.00
B10	1238134.73	2028172.25	823.00
B11	1238232.03	2028168.25	803.00
B12	1238230.59	2028182.18	803.00
B13	1238331.17	2028178.52	783.00
B14	1238329.73	2028192.44	783.00
B15	1238433.85	2028195.75	763.00
B16	1238431.32	2028209.52	763.00
B17	1238464.86	2028200.95	762.00
B18	1238462.31	2028214.72	762.00
B19	OMIT	OMIT	OMIT
B20	OMIT	OMIT	OMIT
B21	OMIT	OMIT	OMIT
B22	OMIT	OMIT	OMIT

FLUME C			
POINT NO.	NORTHING	EASTING	ELEVATION
C1	1237682.86	2028501.34	904.15
C2	1237676.02	2028513.55	904.15
C3	1237743.03	2028534.73	883.00
C4	1237736.24	2028546.97	883.00
C5	1237782.59	2028556.68	883.85
C6	1237774.70	2028568.32	883.40
C7	1237831.38	2028596.47	863.00
C8	1237823.57	2028608.16	863.00
C9	1237915.32	2028641.71	843.00
C10	1237908.62	2028654.11	843.00
C11	1237939.94	2028654.98	844.00
C12	1237934.30	2028667.84	844.00
C13	1237998.76	2028675.34	823.00
C14	1237994.18	2028688.57	823.00
C15	1238081.99	2028704.15	803.00
C16	1238077.42	2028717.38	803.00
C17	1238165.19	2028732.95	783.00
C18	1238160.61	2028746.18	783.00
C19	1238205.75	2028746.99	778.00
C20	1238200.35	2028759.93	778.20

FLUME D			
POINT NO.	NORTHING	EASTING	ELEVATION
D1	1237350.55	202644.19	863.00
D2	1237341.39	2028636.42	863.00
D3	OMIT	OMIT	OMIT
D4	OMIT	OMIT	OMIT
D5	OMIT	OMIT	OMIT
D6	OMIT	OMIT	OMIT
D7	1237292.84	2028709.80	844.00
D8	1237282.08	2028701.57	844.00
D9	1237231.98	2028774.43	823.00
D10	1237222.82	2028766.66	823.00
D11	1237172.70	2028839.54	803.00
D12	1237163.52	2028831.80	803.00
D13	1237100.62	2028918.71	783.00
D14	1237091.58	2028910.81	783.00
D15	1237041.38	2028983.78	763.00
D16	1237032.30	2028975.92	763.00
D17	1237019.58	2029007.72	761.53
D18	1237010.74	2028999.61	761.64

FLUME D			
POINT NO.	NORTHING	EASTING	ELEVATION
D19	OMIT	OMIT	OMIT
D20	OMIT	OMIT	OMIT

FLUME E			
POINT NO.	NORTHING	EASTING	ELEVATION
E1	1237438.13	2028232.97	883.00
E2	1237445.41	2028223.43	883.00
E3	1237368.54	2028179.04	863.00
E4	1237375.82	2028169.50	863.00
E5	1237298.99	2028125.14	843.00
E6	1237306.26	2028115.59	843.00
E7	1237215.86	2028060.71	823.00
E8	1237223.12	2028051.16	823.00
E9	1237146.30	2028006.81	803.00
E10	1237153.56	2027997.25	803.00
E11	1237098.43	2027969.71	792.00
E12	1237105.80	2027960.24	792.00
E13	OMIT	OMIT	OMIT
E14	OMIT	OMIT	OMIT

FLUME F			
POINT NO.	NORTHING	EASTING	ELEVATION
F1	1237674.48	2027269.49	803.00
F2	1237678.91	2027280.52	803.00
F3	1237755.01	2027233.90	783.00
F4	1237759.49	2027245.04	783.00
F5	1237782.04	2027221.96	782.45
F6	1237786.70	2027233.02	782.45
F7	OMIT	OMIT	OMIT
F8	OMIT	OMIT	OMIT

FLUME G			
POINT NO.	NORTHING	EASTING	ELEVATION
G1	1237865.39	2027727.84	843.00
G2	1237872.30	2027737.70	843.00
G3	1237935.90	2027668.96	823.00
G4	1237942.96	2027678.70	823.00
G5	1238006.21	2027610.25	803.00
G6	1238013.49	2027619.80	803.00
G7	1238076.84	2027551.27	783.00
G8	1238084.24	2027560.72	783.00
G9	1238132.58	2027504.71	768.50
G10	1238140.12	2027514.06	768.50
G11	OMIT	OMIT	OMIT
G12	OMIT	OMIT	OMIT
G13	OMIT	OMIT	OMIT
G14	OMIT	OMIT	OMIT

FLUME H			
POINT NO.	NORTHING	EASTING	ELEVATION
H1	1238136.62	2027915.51	803.00
H2	1238141.19	2027926.61	803.00
H3	1238217.99	2027881.97	783.00
H4	1238222.54	2027893.07	783.00
H5	1238299.34	2027848.44	763.00
H6	1238303.90	2027859.54	763.00
H7	1238322.05	2027839.08	764.00
H8	1238326.42	2027850.25	764.00
H9	OMIT	OMIT	OMIT
H10	OMIT	OMIT	OMIT

FLUME J			
POINT NO.	NORTHING	EASTING	ELEVATION
J1	1238060.33	2028435.60	823.00
J2	1238057.35	2028447.22	823.00
J3	1238145.57	2028457.48	803.00
J4	1238142.59	2028469.10	803.00
J5	1238230.81	2028479.35	783.00
J6	1238227.83	2028490.98	783.00
J7	1238296.47	2028496.21	769.70
J8	1238291.96	2028507.44	770.25
J9	1238301.82	2028499.22	767.75
J10	1238295.74	2028509.57	768.85
J11	OMIT	OMIT	OMIT
J12	OMIT	OMIT	OMIT

FLUME K			
POINT NO.	NORTHING	EASTING	ELEVATION
K1	1237758.12	2028746.37	843.00
K2	1237748.71	2028751.99	843.00
K3	1237810.91	2028818.59	823.00
K4	1237800.22	2028824.27	823.00
K5	1237862.09	2028890.40	803.00
K6	1237851.55	2028896.29	803.00
K7	1237913.93	2028963.15	783.00
K8	1237903.24	2028968.83	783.00
K9	1237950.33	2029014.23	771.59
K10	1237941.21	2029022.11	770.71
K11	OMIT	OMIT	OMIT
K12	OMIT	OMIT	OMIT

FLUME K			
POINT NO.	NORTHING	EASTING	ELEVATION
K13	OMIT	OMIT	OMIT
K14	OMIT	OMIT	OMIT

FLUME L			
POINT NO.	NORTHING	EASTING	ELEVATION
L1	1237618.50	2029090.04	803.00
L2	1237609.61	2029098.15	803.00
L3	1237673.15	2029159.30	783.00
L4	1237664.27	2029167.42	783.00
L5	1237727.81	2029228.56	763.00
L6	1237718.92	2029236.68	763.00
L7	1237744.52	2029249.75	763.35
L8	1237735.88	2029258.17	763.22
L9	OMIT	OMIT	OMIT
L10	OMIT	OMIT	OMIT

FLUME M			
POINT NO.	NORTHING	EASTING	ELEVATION
M1	1237515.35	2029010.91	823.00
M2	1237502.99	2029006.90	823.00
M3	1237440.34	2029098.42	803.00
M4	1237431.30	2029090.52	803.00
M5	1237383.06	2029165.22	783.00
M6	1237374.02	2029157.33	783.00
M7	1237325.78	2029232.04	763.00
M8	1237316.74	2029224.14	763.00
M9	1237303.07	2029258.53	760.70
M10	1237294.08	2029250.57	760.70
M11	OMIT	OMIT	OMIT
M12	OMIT	OMIT	OMIT

FLUME N			
POINT NO.	NORTHING	EASTING	ELEVATION
N1	1236834.51	2028691.00	783.00
N2	1236825.52	2028683.05	783.00
N3	1236786.96	2028744.72	768.42
N4	1236778.10	2028736.62	768.51
N5	OMIT	OMIT	OMIT
N6	OMIT	OMIT	OMIT
N7	OMIT	OMIT	OMIT
N8	OMIT	OMIT	OMIT

FLUME P			
POINT NO.	NORTHING	EASTING	ELEVATION
P1	1237374.99	2028435.92	904.15
P2	1237373.40	2028422.04	904.15
P3	1237018.77	2028469.26	844.00
P4	1237016.37	2028455.39	844.00
P5	1236910.00	2028476.76	823.00
P6	1236908.16	2028462.86	823.00
P7	1236771.70	2028486.30	803.00
P8	1236771.84	2028472.26	803.00
P9	1236739.48	2028488.52	804.30
P10	1236736.81	2028474.68	804.39
P11	1236655.93	2028515.52	783.00
P12	1236653.97	2028501.45	783.00
P13	1236564.70	2028545.01	768.00
P14	1236562.82	2028530.90	768.70
P15	1237306.39	2028443.80	883.00
P16	1237304.80	2028429.92	883.00
P17	1237183.95	2028457.87	863.00
P18	1237183.19	2028443.89	863.00
P19	1237034.75	2028472.38	843.00
P20	1237034.87	2028454.12	843.00

FLUME Q			
POINT NO.	NORTHING	EASTING	ELEVATION
Q1	1236932.04	2028263.41	803.00
Q2	1236939.95	2028254.39	803.00
Q3	1236867.12	2028194.95	783.00
Q4	1236875.04	2028194.95	783.00
Q5	1236843.07	2028181.95	781.47
Q6	1236851.90	2028173.76	781.88
Q7	OMIT	OMIT	OMIT
Q8	OMIT	OMIT	OMIT

FLUME R			
POINT NO.	NORTHING	EASTING	ELEVATION
R1	1237557.09	2027656.32	843.00
R2	1237560.90	2027644.94	843.00
R3	1237474.23	2027626.23	823.00
R4	1237478.33	2027614.95	823.00
R5	1237375.42	2027590.34	803.00
R6	1237379.52	2027579.06	803.00
R7	1237322.68	2027571.18	793.90
R8	1237327.50	2027560.17	793.90

FLUME S			
POINT NO.	NORTHING	EASTING	ELEVATION
S1	1237486.00	2027160.26	803.00
S2	1237489.38	2027148.45	803.00
S3	1237421.73	2027156.18	796.65
S4	1237422.22	2027144.22	796.69
S5	OMIT	OMIT	OMIT
S6	OMIT	OMIT	OMIT

BENCH			
POINT NO.	NORTHING	EASTING	ELEVATION
HP1	1237795.40	2028010.99	883.79
HP2	1237808.67	2028354.33	883.91
HP3	1237802.50	2028378.35	883.74
HP4	1237497.14	2028630.17	884.00
HP5	1237361.54	2028327.32	883.61
HP6	1237557.76	2028058.27	884.00
HP7	1237846.39	2027903.42	864.00
HP8	1237895.82	2028368.62	863.92
HP9	1237889.65	2028392.67	863.97
HP10	1237585.35	2028761.49	864.00
HP11	1237203.86	2028519.21	863.91
HP12	1237264.40	2028306.37	863.82
HP13	1237519.86	2027948.28	864.00
HP14	1237754.63	2027646.42	843.69
HP15	1237961.50	2027952.32	844.00
HP16	1237983.00	2028382.93	844.00
HP17	1237976.82	2028407.00	844.00
HP18	1237837.56	2028704.79	843.44
HP19	1237511.00	2028891.60	844.00
HP20	1237151.81	2028591.04	843.85
HP21	1237149.80	2028279.58	844.00
HP22	1237448.59	2027895.25	844.00
HP23	1237584.28	2027611.80	843.20
HP24	1237756.84	2027540.38	824.00
HP25	1238042.37	2027917.49	824.00
HP26	1238092.47	2028310.39	823.68
HP27	1238086.02	2028335.54	823.66
HP28	1238028.05	2028561.28	823.59
HP29	1237912.30	2028764.70	823.57
HP30	1237551.88	2029012.27	824.00
HP31	1237527.22	2029013.01	823.18
HP32	1237294.71	2028829.11	824.00
HP33	1237065.65	2028633.39	824.00
HP34	1237032.46	2028282.40	824.00
HP35	1237430.00	2027691.80	824.00
HP36	1237515.12	2027499.68	823.61
HP37	1237632.61	2027165.28	803.56
HP38	1237812.93	2027472.45	804.00
HP39	1238075.89	2027767.22	803.80
HP40	1238190.33	2028046.47	803.65
HP41	1238182.14	2028315.01	803.69
HP42	1238175.81	2028339.68	803.67
HP43	1238112.42	2028586.66	803.61
HP44	1237987.72	2028824.02	803.71
HP45	1237729.95	2028988.30	803.76
HP46	1237554.19	2029138.45	803.40
HP47	1237529.60	2029143.09	803.59
HP48	1237198.24	2028887.10	804.00
HP49	1236964.24	2028662.77	804.00
HP50	1236845.68	2028361.78	803.66
HP51	1237024.22	2028155.42	803.65
HP52	1237279.43	2027801.94	804.00
HP53	1237464.44	2027206.79	804.00
HP54	1237508.33	2027120.59	803.17
HP55	1237892.74	2027420.96	784.00
HP56	1238152.01	2027720.91	783.87
HP57	1238280.67	2028034.81	783.78
HP58	1238271.81	2028319.62	783.67
HP59	1238265.47	2028344.29	783.68
HP60	1238196.75	2028612.03	783.62
HP61	1238061.25	2028880.33	783.85
HP62	1238196.76	2028612.03	783.62
HP63	1237556.34	2029256.12	783.77
HP64	1237531.76	2029261.00	783.94
HP65	1237237.73	2029038.38	783.90
HP66	1236965.43	2028802.02	783.83
HP67	1236731.47	2028603.62	783.64
HP68	1236744.35	2028343.83	783.93
HP69	1236957.39	2028098.15	783.63
HP70	1238228.10	2027674.73	763.94
HP71	1238372.47	2028026.76	763.91
HP72	1238357.23	2028340.76	763.75
HP73	1238351.02	2028364.97	764.00
HP74	1237558.49	2029373.78	764.00
HP75	1237533.91	2029378.90	764.00
HP76	1237179.46	2029104.33	763.91
HP77	1236906.15	2028867.13	763.83
HP78	1236651.86	2028651.50	763.78
HP79	1237206.71	2028498.51	863.23
HP80	1237452.44	2027682.45	823.30
HP81	1237483.03	2027190.06	803.15

CELL 3

FLUME A			
POINT NO.	NORTHING	EASTING	ELEVATION
A1	1238239.13	2025770.08	870.20
A2	1238251.01	2025772.49	870.20
A3	1238245.17	2025668.51	863.24
A4	1238256.82	2025673.73	863.49
A5	1238279.14	2025633.44	859.00
A6	1238282.14	2025647.59	859.00
A7	1238366.73	2025543.02	839.00
A8	1238370.38	2025556.50	839.00

FLUME B			
POINT NO.	NORTHING	EASTING	ELEVATION
B1	1238306.67	2025846.18	859.00
B2	1238306.57	2025858.30	859.00
B3	1238390.99	2025835.47	839.00
B4	1238394.96	2025847.06	839.00
B5	1238481.27	2025824.00	819.00
B6	1238482.74	2025835.91	819.00

FLUME C			
POINT NO.	NORTHING	EASTING	ELEVATION
C1	1238265.61	2025953.97	870.20
C2	1238265.17	2025968.34	870.20
C3	1238302.86	2025979.25	859.00
C4	1238302.14	2025993.27	859.00
C5	1238389.10	2026037.81	839.00
C6	1238388.59	2026051.96	839.00
C7	1238469.35	2026092.29	823.85
C8	1238460.65	2026100.90	826.60
C9	1238485.06	2026115.86	819.00
C10	1238478.63	2026128.34	819.00
C11	1238526.14	2026177.76	810.50
C12	1238515.37	2026183.27	809.50
C13	1238537.49	2026210.67	799.00
C14	1238525.72	2026213.31	799.00

FLUME D			
POINT NO.	NORTHING	EASTING	ELEVATION
D1	1238153.50	2026066.12	859.00
D2	1238142.34	2026070.51	859.00
D3	1238186.36	2026147.76	839.00
D4	1238175.20	2026152.15	839.00
D5	1238229.39	2026219.22	819.00
D6	1238208.05	2026233.79	819.00
D7	1238252.08	2026311.03	799.00
D8	1238240.91	2026315.42	799.00

FLUME E			
POINT NO.	NORTHING	EASTING	ELEVATION
E1	1238028.35	2026178.67	839.00
E2	1238016.54	2026176.59	839.00
E3	1238013.16	2026265.34	819.00
E4	1238001.34	2026263.27	819.00
E5	1237997.96	2026352.02	799.00
E6	1237986.14	2026349.95	799.00

FLUME F			
POINT NO.	NORTHING	EASTING	ELEVATION
F1	1238037.93	2026047.47	870.20
F2	1238033.49	2026036.29	870.20
F3	1237987.63	2026063.89	859.00
F4	1237988.26	2026050.64	859.00
F5	1237868.55	2026130.93	839.00
F6	1237870.60	2026115.91	839.00
F7	1237774.66	2026183.78	827.37
F8	1237766.91	2026174.19	825.26
F9	1237749.36	2026216.37	819.00
F10	1237741.15	2026207.37	819.00
F11	1237708.16	2026269.44	809.42
F12	1237696.86	2026264.43	810.41
F13	1237702.75	2026300.23	799.00
F14	1237690.93	2026298.15	799.00

FLUME G			
POINT NO.	NORTHING	EASTING	ELEVATION
G1	1238064.47	2025922.25	859.00
G2	1238073.25	2025913.34	859.00
G3	1237984.33	2025879.29	839.00
G4	1237989.95	2025868.68	839.00
G5	1237889.20	2025828.29	819.00
G6	1237894.83	2025817.69	819.00

FLUME H			
POINT NO.	NORTHING	EASTING	ELEVATION
H1	1238220.46	2025651.75	859.00
H2	1238225.21	2025639.81	859.00
H3	1238124.36	2025563.33	839.00
H4	1238124.70	2025546.99	839.00

FLUME J			
POINT NO.	NORTHING	EASTING	ELEVATION
J1	OMIT	OMIT	OMIT
J2	OMIT	OMIT	OMIT
J3	OMIT	OMIT	OMIT
J4	OMIT	OMIT	OMIT
J5	OMIT	OMIT	OMIT
J6	OMIT	OMIT	OMIT
J7	OMIT	OMIT	OMIT
J8	OMIT	OMIT	OMIT

FLUME K			
POINT NO.	NORTHING	EASTING	ELEVATION
K1	OMIT	OMIT	OMIT
K2	OMIT	OMIT	OMIT
K3	OMIT	OMIT	OMIT
K4	OMIT	OMIT	OMIT

BENCH			
POINT NO.	NORTHING	EASTING	ELEVATION
HP1	1238264.42	2025862.76	869.63
HP2	1238161.81	2026017.72	869.79
HP3	OMIT	OMIT	OMIT
HP4	1238181.03	2025736.12	859.67
HP5	1238250.93	2025617.01	859.18
HP6	OMIT	OMIT	OMIT
HP7	1238294.40	2025746.89	859.50
HP8	1238304.71	2025918.77	859.30
HP9	1238233.26	2026034.74	859.43
HP10	1238074.00	2026096.27	859.44
HP11	OMIT	OMIT	OMIT
HP12	1238017.25	2025982.58	859.38
HP13	1237914.14	2025991.05	839.67
HP14	1238113.18	2025616.87	839.91
HP15	1238007.73	2025599.71	819.79
HP16	1238243.74	2025519.76	839.64
HP17	1238374.90	2025680.72	839.79
HP18	1238392.03	2025942.44	839.48
HP19	1238293.34	2026105.68	839.57
HP20	1238083.17	2026187.22	839.43
HP21	OMIT	OMIT	OMIT
HP22	1237937.28	2026162.69	839.40
HP23	1238456.41	2025622.78	820.00
HP24	1238479.03	2025976.13	819.70
HP25	1238349.84	2026178.01	819.70
HP26	1238091.58	2026278.23	819.56
HP27	OMIT	OMIT	OMIT
HP28	1237875.24	2026241.15	819.64
HP29	1237814.28	2026018.32	820.00
HP30	1238565.42	2026029.89	800.00
HP31	1238387.66	2026257.70	799.74
HP32	1238100.92	2026369.42	799.69
HP33	OMIT	OMIT	OMIT
HP34	1237844.48	2026325.09	799.73
HP35	1237722.61	2026017.96	800.00

GEORGIA
Department of Natural Resources
Environmental Protection Division
Approved
Solid Waste Management Program
Approved By: Keith Stevens

GEORGIA No. 27185 PROFESSIONAL ENGINEER R. BRANT LANE 9/27/22

GEORGIA REGISTERED PROFESSIONAL 9/29/22

Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION BY-PRODUCT DISPOSAL FACILITY
CELL NO.1 THROUGH CELL 3
FLUME DATA SHEET

REVISION	DATE
0	09-23-2022
CCR LF PERMIT APPLICATION [BY HHNT, INC.]	

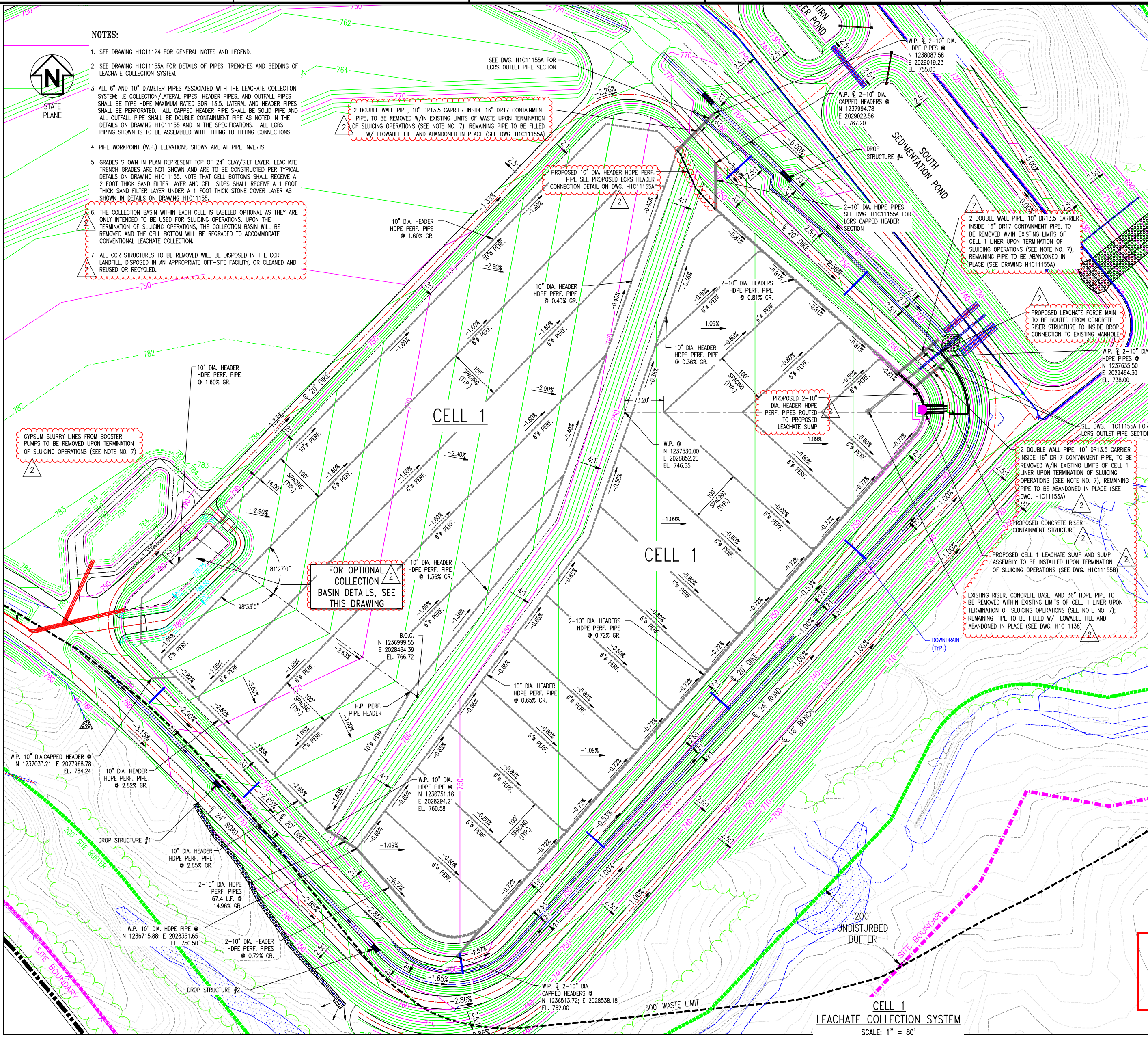
BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR
ANR	RBL					

SCALE	DRAWING NUMBER	SHEET	CONT'D	REV
1"=100'	H1C11152	1	FINAL	0

Acad2008 ANSI F: 40x28

NOTES:

1. SEE DRAWING H1C11124 FOR GENERAL NOTES AND LEGEND.
2. SEE DRAWING H1C11155A FOR DETAILS OF PIPES, TRENCHES AND BEDDING OF LEACHATE COLLECTION SYSTEM.
3. ALL 6" AND 10" DIAMETER PIPES ASSOCIATED WITH THE LEACHATE COLLECTION SYSTEM; I.E COLLECTION/LATERAL PIPES, HEADER PIPES, AND OUTFALL PIPES SHALL BE TYPE HDPE MAXIMUM RATED SDR-13.5. LATERAL AND HEADER PIPES SHALL BE PERFORATED. ALL CAPPED HEADER PIPE SHALL BE SOLID PIPE AND ALL OUTFALL PIPE SHALL BE DOUBLE CONTAINMENT PIPE AS NOTED IN THE DETAILS ON DRAWING H1C11155 AND IN THE SPECIFICATIONS. ALL LCRS PIPING SHOWN IS TO BE ASSEMBLED WITH FITTING TO FITTING CONNECTIONS.
4. PIPE WORKPOINT (W.P.) ELEVATIONS SHOWN ARE AT PIPE INVERTS.
5. GRADES SHOWN IN PLAN REPRESENT TOP OF 24" CLAY/SILT LAYER. LEACHATE TRENCH GRADES ARE NOT SHOWN AND ARE TO BE CONSTRUCTED PER TYPICAL DETAILS ON DRAWING H1C11155. NOTE THAT CELL BOTTOMS SHALL RECEIVE A 2 FOOT THICK SAND FILTER LAYER AND CELL SIDES SHALL RECEIVE A 1 FOOT THICK SAND FILTER LAYER UNDER A 1 FOOT THICK STONE COVER LAYER AS SHOWN IN DETAILS ON DRAWING H1C11155.
6. THE COLLECTION BASIN WITHIN EACH CELL IS LABELED OPTIONAL AS THEY ARE ONLY INTENDED TO BE USED FOR SLUICING OPERATIONS. UPON THE TERMINATION OF SLUICING OPERATIONS, THE COLLECTION BASIN WILL BE REMOVED AND THE CELL BOTTOM WILL BE REGRADED TO ACCOMMODATE CONVENTIONAL LEACHATE COLLECTION. (2)
7. ALL CCR STRUCTURES TO BE REMOVED WILL BE DISPOSED IN THE CCR LANDFILL, DISPOSED IN AN APPROPRIATE OFF-SITE FACILITY, OR CLEANED AND REUSED OR RECYCLED. (2)



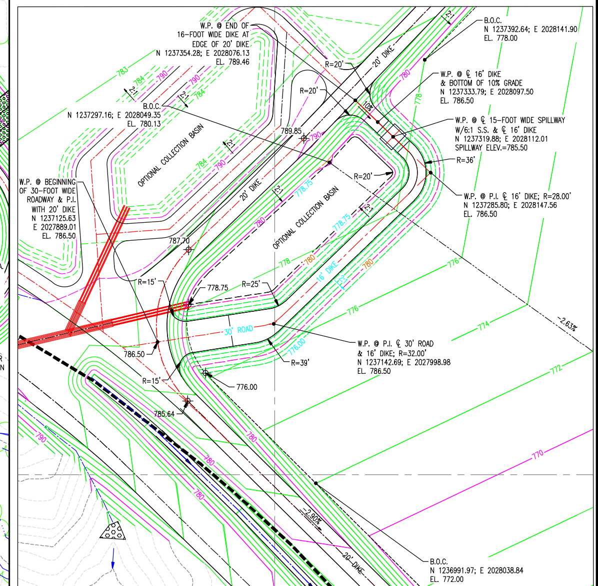
CELL 1
LEACHATE COLLECTION SYSTEM
SCALE: 1" = 80'

LEGEND:

- SOLID WALL PIPE IN TRENCH
- PERFORATED PIPE IN TRENCH
- 50 EXISTING GROUND CONTOURS
- 50 FINAL GRADE CONTOURS
- XXX.XX SPOT ELEVATIONS
- DOWNDRAINS
- TREELINE

REFERENCE DRAWINGS:

H1C11120 TITLE SHEET AND DRAWING INDEX
H1C11125 CELL NO. 1, SITE DEVELOPMENT, BASE GRADING PLAN
H1C11138 CELL NO. 1 THROUGH CELL NO. 3, MISCELLANEOUS SECTIONS, SH. 1
H1C11143 CELL NO. 1 THROUGH CELL NO. 3, MISCELLANEOUS DETAILS, SH. 1
H1C11155 CELL NO. 3, LEACHATE COLLECTION SYSTEM LAYOUT AND DETAILS
H1C11155A CELL 1 THROUGH 3, LEACHATE SYSTEM COLLECTION DETAILS
H1C11155B CELL 1 AND 2, LEACHATE SYSTEM COLLECTION DETAILS



CELL 1
OPTIONAL COLLECTION BASINS
NO SCALE

GRAPHIC SCALE
(IN FEET)
1 inch = 80 ft.

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

GEORGIA REGISTERED NO. 27185 PROFESSIONAL ENGINEER R. BRANT LANE 1/8/24

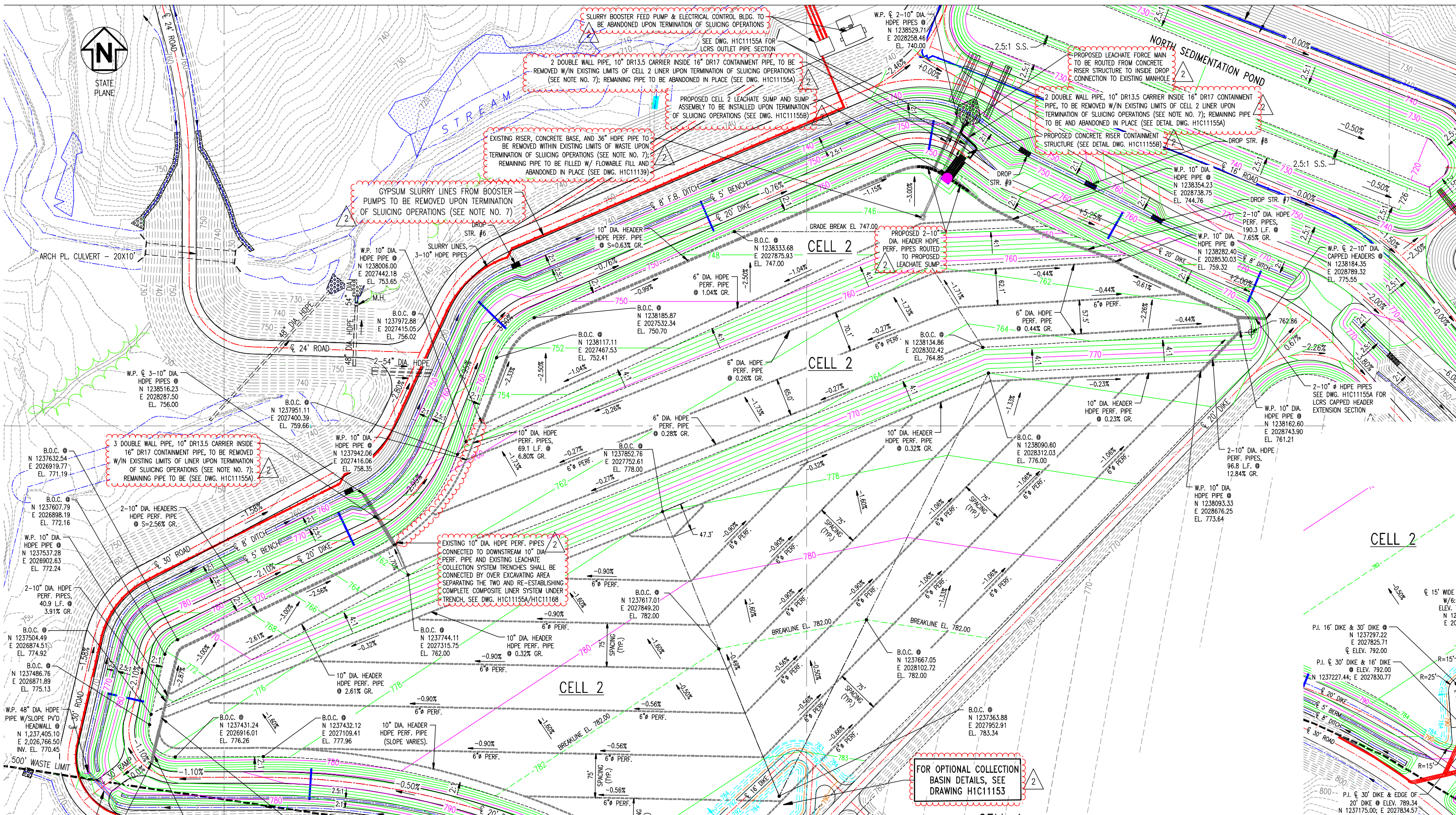
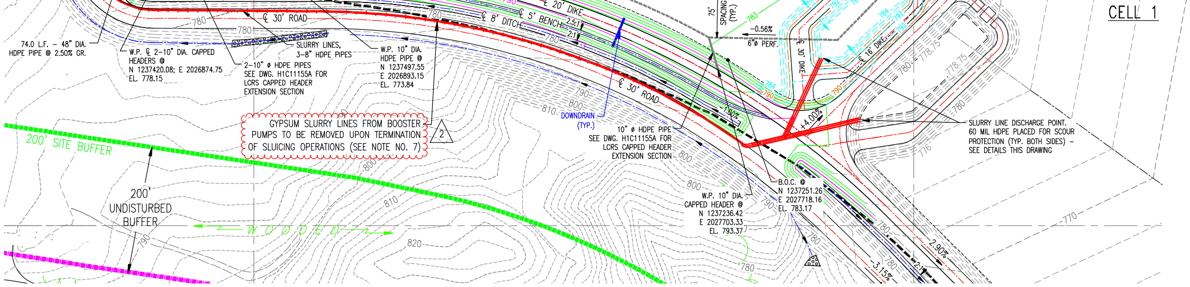
REVISION	DATE	DESCRIPTION	BY	CHK'D
2	01-08-2024	ADD LEACHATE SUMP AND CONVENTIONAL CCR PLACEMENT MODIFICATIONS [BY HHNT, INC.]	RSW	RBL
1	8-30-2023	REVISED PROPERTY BUFFER AND BUFFER IMPACTS [BY HHNT, INC.]	RSW	RBL
0	09-23-2022	CCR LF PERMIT APPLICATION [BY HHNT, INC.]	ANR	RBL

Southern Company Generation Engineering and Construction Services
FOR
Georgia Power Company

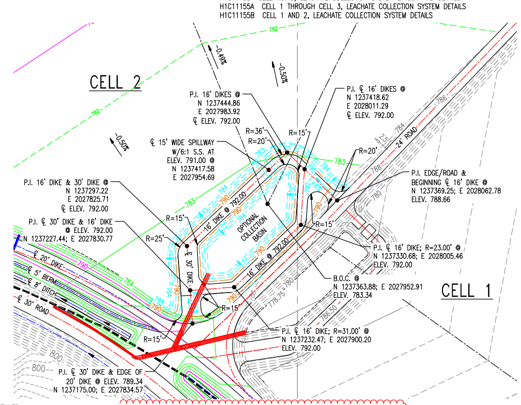
PLANT WANSLEY
COAL COMBUSTION BY-PRODUCT DISPOSAL FACILITY
GENERAL SITE DEVELOPMENT
CELL NO. 1
LEACHATE COLLECTION SYSTEM LAYOUT

SCALE	DRAWING NUMBER	SHEET	CONT'D	REV
1"=80'	H1C11153	1	FINAL	2

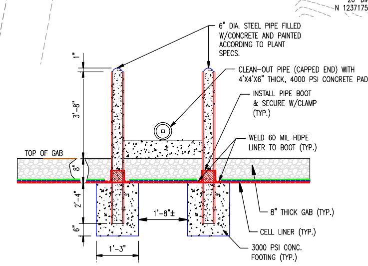
Acad2008 ANSI F: 40x28

CELL 2
LEACHATE COLLECTION SYSTEM
SCALE: 1" = 80'



CELL 2 OPTIONAL COLLECTION BASINS DETAIL
NO SCALE



PIPE BOLLARDS AT HEADER EXTENSION CLEAN-OUT PIPES DETAIL
N.T.S.

GRAPHIC SCALE
80 0 40 80 160 320
(IN FEET)

LEGEND:

- SOLID WALL PIPE IN TRENCH
- PERFORATED PIPE IN TRENCH
- 50 EXISTING GROUND CONTOURS
- 50 FINAL GRADE CONTOURS
- xxx.xx SPOT ELEVATIONS
- DOWNDRAINS
- TREELINE

NOTES:

1. SEE DRAWING H1C11124 FOR GENERAL NOTES AND LEGEND.
2. SEE DRAWING H1C11155A FOR DETAILS OF PIPES, TRENCHES AND BEDDING OF LEACHATE COLLECTION SYSTEM.
3. ALL 6" AND 10" DIAMETER PIPES ASSOCIATED WITH THE LEACHATE COLLECTION SYSTEM; I.E COLLECTION/LATERAL PIPES, HEADER PIPES, AND OUTFALL PIPES SHALL BE TYPE HDPE MAXIMUM RATED SDR-13.5. LATERAL AND HEADER PIPES SHALL BE PERFORATED. ALL CAPPED HEADER PIPE SHALL BE SOLID PIPE AND ALL OUTFALL PIPE SHALL BE DOUBLE CONTAINMENT PIPE AS NOTED IN DETAILS ON DRAWING H1C11155A AND IN THE SPECIFICATIONS. ALL LCRS PIPING SHOWN IS TO BE ASSEMBLED WITH FITTING-TO-FITTING CONNECTIONS.
4. PIPE WORKPOINT (W.P.) ELEVATIONS SHOWN ARE AT PIPE INVERTS.
5. GRADES SHOWN IN PLAN REPRESENT TOP OF 24" CLAY/SILT LAYER. LEACHATE TRENCH GRADES ARE NOT SHOWN AND ARE TO BE CONSTRUCTED PER THE TYPICAL DETAILS ON DRAWING H1C11155. NOTE THAT CELL BOTTOMS SHALL RECEIVE 2 FOOT THICK SAND FILTER LAYER AND CELL SIDES SHALL RECEIVE 1 FOOT THICK SAND FILTER LAYER UNDER A 1 FOOT THICK STONE COVER LAYER AS SHOWN IN DETAILS ON DRAWING H1C11155A.
6. THE COLLECTION BASIN WITHIN EACH CELL IS LABELED OPTIONAL AS THEY ARE ONLY INTENDED TO BE USED FOR SLUICING OPERATIONS. UPON THE TERMINATION OF SLUICING OPERATIONS, THE COLLECTION BASIN WILL BE REMOVED AND THE CELL BOTTOM WILL BE REGRADED TO ACCOMMODATE CONVENTIONAL LEACHATE COLLECTION.
7. ALL CCR STRUCTURES TO BE REMOVED WILL BE DISPOSED IN THE CCR LANDFILL, DISPOSED IN AN APPROPRIATE OFF-SITE FACILITY, OR CLEANED AND REUSED OR RECYCLED.

REFERENCE DRAWINGS:

H1C11120	TITLE SHEET AND DRAWING INDEX
H1C11131	CELL NO. 2, SITE DEVELOPMENT, BASE GRADING PLAN
H1C11139	CELL 1 THROUGH CELL 3, MISCELLANEOUS SECTIONS, SHEET 2
H1C11140	CELL 1 THROUGH CELL 3, MISCELLANEOUS SECTIONS, SHEET 3
H1C11143	CELL 1 THROUGH CELL 3, MISCELLANEOUS DETAILS, SHEET 1
H1C11146	CELL 1 THROUGH CELL 3, MISCELLANEOUS SECTIONS & DETAILS, SH.1
H1C11147	CELL 1 THROUGH CELL 3, MISCELLANEOUS SECTIONS & DETAILS, SH.2
H1C11155	CELL NO. 3, LEACHATE COLLECTION SYSTEM LAYOUT AND DETAILS
H1C11155A	CELL 1 THROUGH CELL 3, LEACHATE COLLECTION SYSTEM DETAILS
H1C11155B	CELL 1 AND 2, LEACHATE COLLECTION SYSTEM DETAILS

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

GEORGIA REGISTERED PROFESSIONAL ENGINEER NO. 27185 R. BRANT LANE 1/8/24

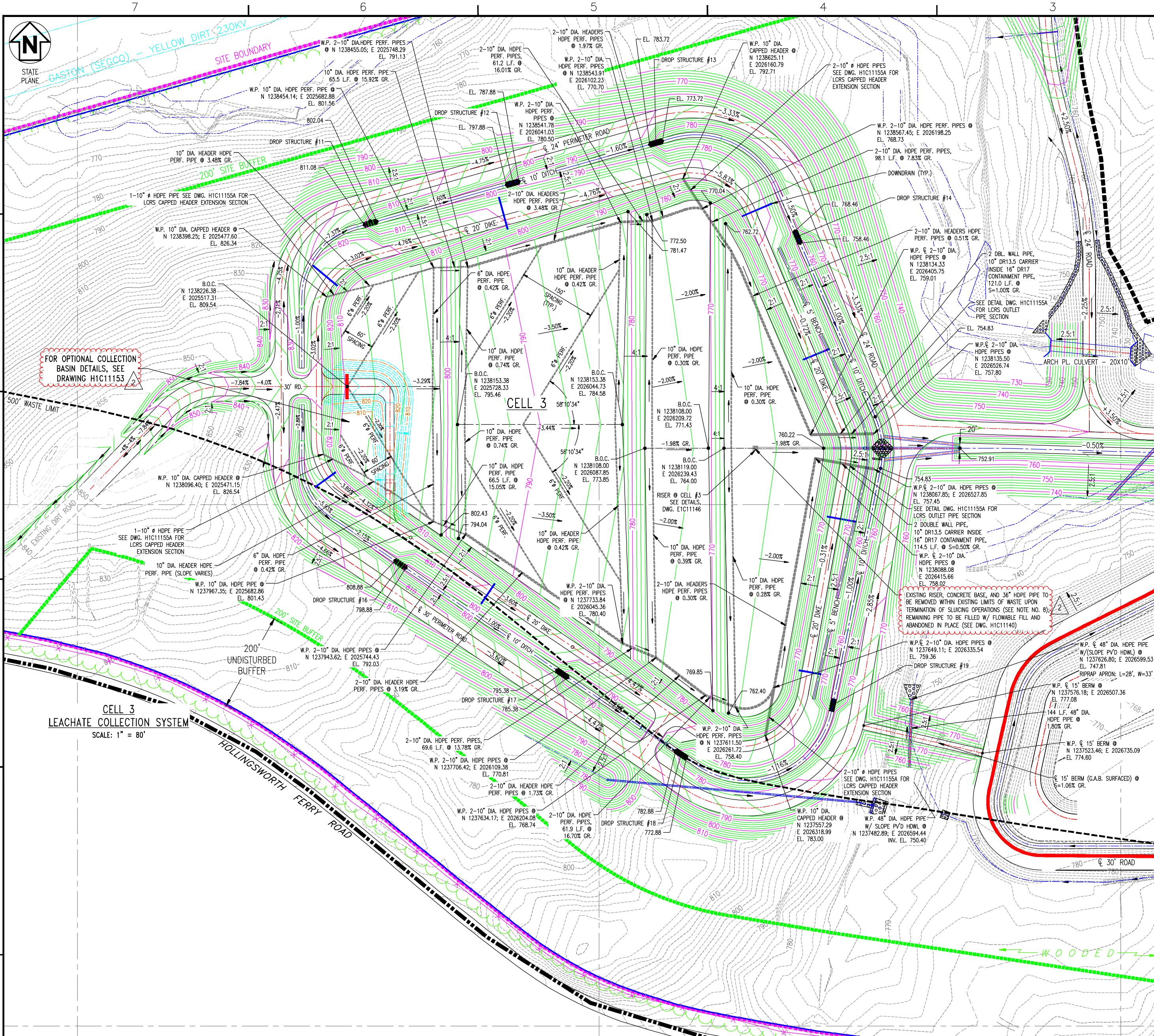
Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION BY-PRODUCT DISPOSAL FACILITY
GENERAL SITE DEVELOPMENT
CELL NO. 2
LEACHATE COLLECTION SYSTEM LAYOUT

REVISION	DATE	DESCRIPTION	BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR
2	01-08-2024	ADD LEACHATE SUMP AND CONVENTIONAL CCR PLACEMENT MODIFICATIONS [BY HHNT, INC.]	RSW	RBL					
1	8-30-2023	REVISED PROPERTY BUFFER AND NORTHERN BUFFER IMPACTS [BY HHNT, INC.]	RSW	RBL					
0	09-23-2022	CCR LF PERMIT APPLICATION [BY HHNT, INC.]	ANR	RBL					

SCALE	DRAWING NUMBER	SHEET	CONT'D	REV
1"=80'	H1C11154	1	FINAL	2

Acad2008 ANSI F: 40x28



CELL 3
LEACHATE COLLECTION SYSTEM
SCALE: 1" = 80'

LEGEND:

- SOLID WALL PIPE IN TRENCH
- PERFORATED PIPE IN TRENCH
- 700 EXISTING GROUND CONTOURS
- 700 FINAL GRADE CONTOURS
- XXX.XX SPOT ELEVATIONS
- DOWNDRAIN
- TREELINE

NOTES:

1. SEE DRAWING H1C11124 FOR GENERAL NOTES AND LEGEND.
2. ALL 6" AND 10" DIAMETER PIPES ASSOCIATED WITH THE LEACHATE COLLECTION SYSTEM; I.E COLLECTION/LATERAL PIPES, HEADER PIPES, AND OUTFALL PIPES SHALL BE TYPE HDPE MAXIMUM RATED SDR-13.5. LATERAL AND HEADER PIPES SHALL BE PERFORATED. ALL CAPPED HEADER PIPE SHALL BE SOLID WALL AND ALL OUTFALL PIPE SHALL BE DOUBLE CONTAINMENT PIPE AS NOTED IN DETAILS ON THIS DRAWING AND IN THE SPECIFICATIONS. ALL LCRS PIPING SHOWN IS TO BE ASSEMBLED WITH FITTING-TO-FITTING CONNECTIONS.
3. PERFORATED PIPE SHALL HAVE AASHTO CLASS 1 PERFORATIONS - 3 ROWS OF PERFORATIONS REQ'D (TOTAL OF 6 PER FT OF PIPE). EACH PERFORATION SHALL BE 0.4" DIA. CIRCULAR AT 60 DEGREES OFF CENTERLINE OF BOTTOM OF PIPE.
4. PIPE WORKPOINT (W.P.) ELEVATIONS SHOWN ARE AT THE PIPE INVERTS.
5. GRADES SHOWN IN PLAN REPRESENT TOP OF 24" CLAY/SILT LAYER. LEACHATE TRENCH GRADES ARE NOT SHOWN AND ARE TO BE CONSTRUCTED PER TYPICAL DETAILS ON THIS DRAWING. NOTE THAT CELL BOTTOMS SHALL RECEIVE A 2 FOOT THICK SAND FILTER LAYER AS SHOWN IN DETAILS. CELL SIDES SHALL RECEIVE A 1 FOOT THICK SAND FILTER LAYER UNDER A 1 FOOT THICK STONE COVER LAYER AS SHOWN IN DETAILS.
6. THE SECTIONS SHOWN ON THIS DRAWING REPRESENT TYPICAL CONFIGURATIONS FOR THE CELLS, PERIMETER DITCHES, AND LEACHATE COLLECTION SYSTEM. ACTUAL CONDITIONS WILL VARY TO INCLUDE BOTH CUT AND FILL AREAS, THEREFORE THE SUBGRADE MATERIAL FOR THE CLAY LINER COULD CONSIST OF EITHER RESIDUAL, INPLACE SOILS OR GENERAL STRUCTURAL FILL. REFERENCE THE CONSTRUCTION SPECIFICATIONS FOR PROOF-ROLLING CRITERIA FOR IN-PLACE SOILS AND THE PLACEMENT AND COMPACTION CRITERIA FOR GENERAL STRUCTURAL FILL.
7. THE COLLECTION BASIN WITHIN EACH CELL IS LABELED OPTIONAL AS THEY ARE ONLY TO BE USED FOR SLUICING OPERATIONS. UPON THE TERMINATION OF SLUICING OPERATIONS, THE COLLECTION BASIN WILL BE REMOVED AND THE CELL BOTTOM WILL BE REGRADED TO ACCOMMODATE CONVENTIONAL LEACHATE COLLECTION.
8. ALL CCR STRUCTURES TO BE REMOVED WILL BE DISPOSED IN THE CCR LANDFILL, DISPOSED IN AN APPROPRIATE OFF-SITE FACILITY, OR CLEANED AND REUSED OR RECYCLED.
9. BORING LOCATIONS AND VICINITY WILL BE RESTORED TO A NATURAL STATE FOLLOWING COMPLETION OF THE BORINGS.

REFERENCE DRAWINGS:

H1C11120 TITLE SHEET AND DRAWING INDEX
H1C11133 CELL NO. 3, BASE GRADING PLAN
H1C11140 CELL 1 THROUGH 3, MISCELLANEOUS SECTIONS
H1C11144 CELL 1 THROUGH 3, MISCELLANEOUS DETAILS
H1C11145 CELL 1 THROUGH 3, MISCELLANEOUS DETAILS
H1C11153 CELL NO. 1, LEACHATE COLLECTION SYSTEM LAYOUT
H1C11154 CELL NO. 2, LEACHATE COLLECTION SYSTEM LAYOUT
H1C11155A CELL 1 THROUGH CELL 3, LEACHATE COLLECTION SYSTEM DETAILS

GEORGIA PROFESSIONAL ENGINEER NO. 27185 R. BRANT LANE 1/8/24

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

GRAPHIC SCALE
80 0 40 80 160 320
(IN FEET)
1 inch = 80 ft.

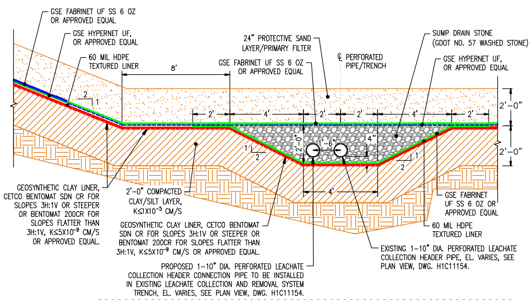
Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION BY-PRODUCT DISPOSAL FACILITY
GENERAL SITE DEVELOPMENT
CELL NO. 3
LEACHATE COLLECTION SYSTEM LAYOUT & DETAILS

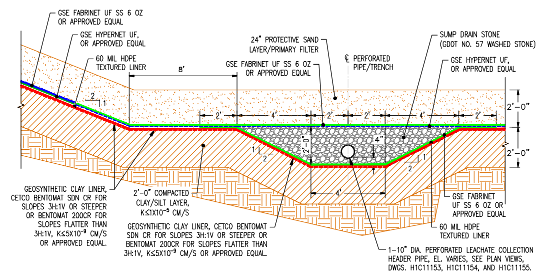
REVISION	DATE	DESCRIPTION	BY	CHK'D
REVISION 2	01-08-2024	CONVENTIONAL CCR PLACEMENT MODIFICATIONS [BY HHNT, INC.]	RSW	RBL
REVISION 1	10-10-2023	REVISED PROPERTY BUFFER AND NORTHERN BUFFER IMPACTS [BY HHNT, INC.]	RSW	RBL
REVISION 0	09-23-2022	CCR LF PERMIT APPLICATION [BY HHNT, INC.]	ANR	RBL

SCALE	DRAWING NUMBER	SHEET	CONT'D	REV
AS NOTED	H1C11155	1	FINAL	2

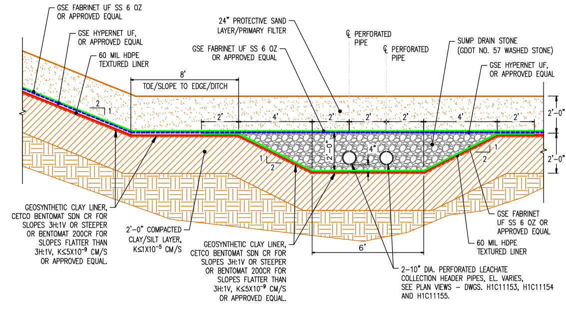
Acad2008 ANSI F: 40x28



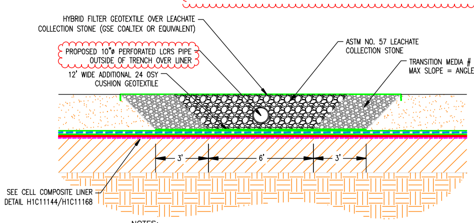
LEACHATE COLLECTION AND REMOVAL SYSTEM
HEADER – SINGLE PIPE DETAIL MODIFIED (IF NEEDED)
N.T.S.



LEACHATE COLLECTION AND REMOVAL SYSTEM
HEADER – SINGLE PIPE DETAIL
N.T.S.



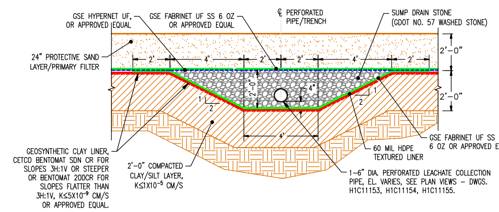
LEACHATE COLLECTION AND REMOVAL SYSTEM
HEADER – DOUBLE PIPE DETAIL
N.T.S.



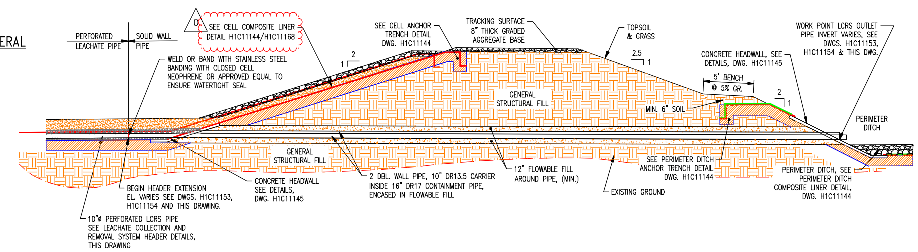
NOTES:

1. THE SPECIFIC TRANSITION MEDIA SOILS TO BE UTILIZED SHALL BE EVALUATED TO CONFIRM FINES AND SAND WILL NOT MIGRATE INTO THE ASTM NO. 57 LEACHATE COLLECTION STONE.

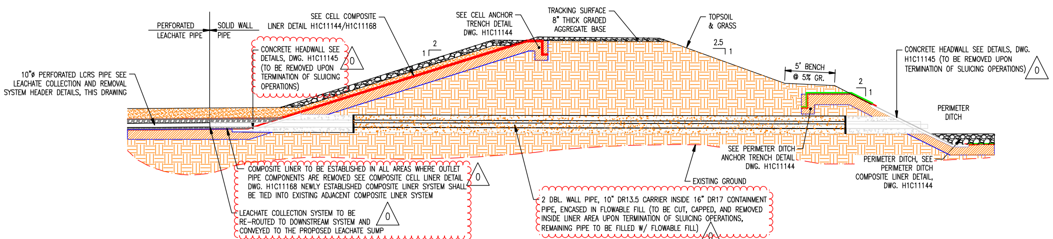
LEACHATE COLLECTION AND REMOVAL SYSTEM (LCRS)
PROPOSED HEADER CONNECTION OVER LINER (CELL NO. 1)
N.T.S.



LEACHATE COLLECTION AND REMOVAL SYSTEM LATERAL
N.T.S.



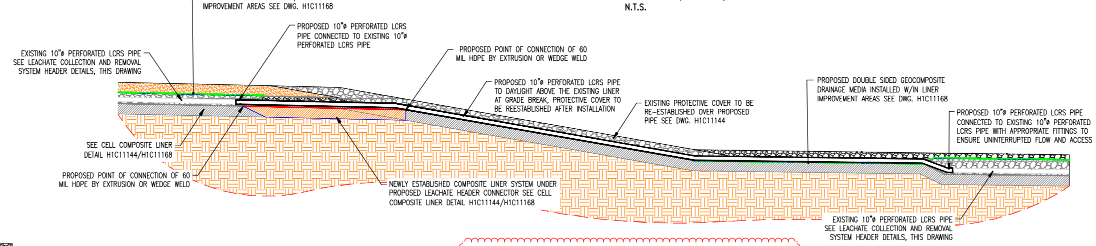
LEACHATE COLLECTION AND REMOVAL SYSTEM (LCRS)
OUTLET PIPE SECTION (CELL 3)
N.T.S.



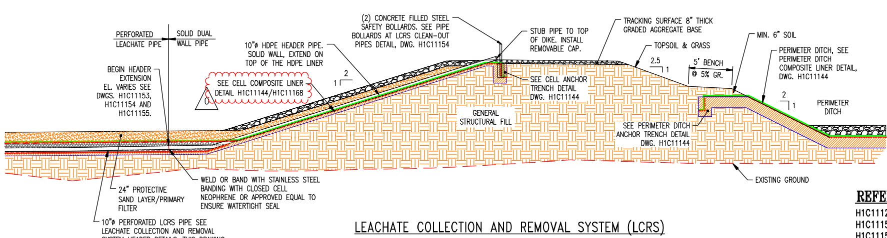
NOTES:

1. ALL CCR STRUCTURES TO BE REMOVED WILL BE DISPOSED IN THE CCR LANDFILL, DISPOSED IN AN APPROPRIATE OFF-SITE FACILITY, OR CLEANED AND REUSED OR RECYCLED.

LEACHATE COLLECTION AND REMOVAL SYSTEM (LCRS)
OUTLET PIPE SECTION (CELLS 1 AND 2)
N.T.S.



LEACHATE COLLECTION AND REMOVAL SYSTEM (LCRS)
PROPOSED HEADER CONNECTION (CELL NO. 1)
N.T.S.



LEACHATE COLLECTION AND REMOVAL SYSTEM (LCRS)
CAPPED HEADER EXTENSION SECTION
N.T.S.

REFERENCES:

H1C11120 TITLE SHEET AND DRAWING INDEX
H1C11153 GENERAL SITE DEVELOPMENT, CELL NO. 1, LEACHATE COLLECTION SYSTEM LAYOUT
H1C11154 GENERAL SITE DEVELOPMENT, CELL NO. 2, LEACHATE COLLECTION SYSTEM LAYOUT
H1C11155 GENERAL SITE DEVELOPMENT, CELL NO. 3, LEACHATE COLLECTION SYSTEM LAYOUT
H1C11155B GENERAL SITE DEVELOPMENT, CELL 1 AND CELL 2, LEACHATE COLLECTION SYSTEM DETAILS
H1C11168 GENERAL SITE DEVELOPMENT, PROPOSED LINER IMPROVEMENT PLAN

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 27185 R. BRANT LANE 1/8/24

GEORGIA Department of Natural Resources
Environmental Protection Division
Approved
Solid Waste Management Program
Approved By: Tammy Buchli

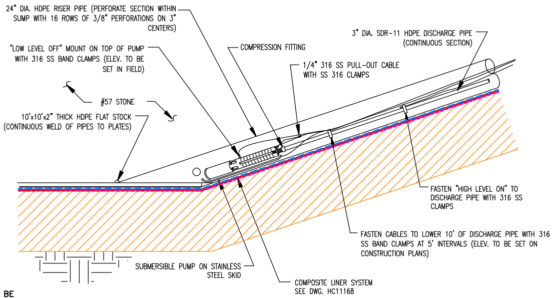
Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION RESIDUALS (CCR) LANDFILL
CELL 1 THROUGH CELL 3
LEACHATE COLLECTION SYSTEM DETAILS

REVISION	DATE	DESCRIPTION	BY	CHK'D
0	01-08-2024	CONVENTIONAL CCR PLACEMENT MODIFICATIONS [BY HHNT, INC.]	RSW	RBL

SCALE	DRAWING NUMBER	SHEET	CONT'D	REV
AS NOTED	H1C11155A	1	FINAL	0

Acad2008 ANSI F: 40x28

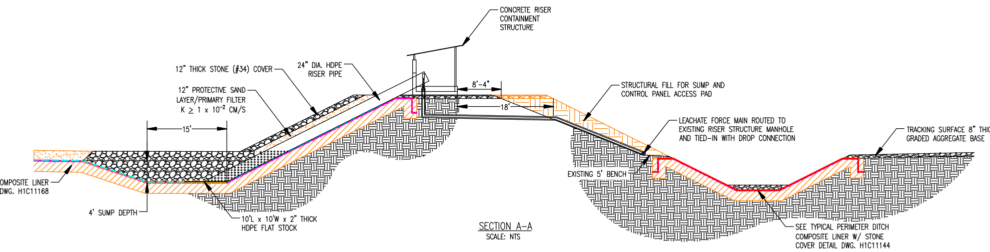


LEACHATE SUMP PUMP

SCALE: N.T.S.

NOTES:

1. ALL FORCE MAIN SHALL HAVE A MINIMUM 24" COVER AND SHALL BE DUAL-CONTAINED.
2. TRACE TAPE SHALL BE PLACED IN ALL LEACHATE FORCE MAIN TRENCHES, 12" BELOW GROUND SURFACE AND DIRECTLY ABOVE PIPE.
3. ENTIRE SUMP SHALL BE FILLED WITH ASTM #57 GRAVEL.

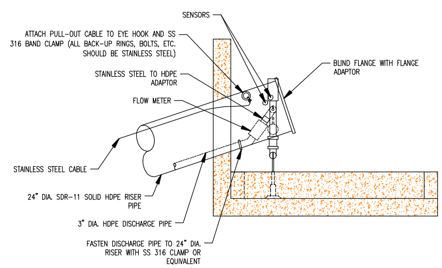


SECTION A-A

SCALE: NTS

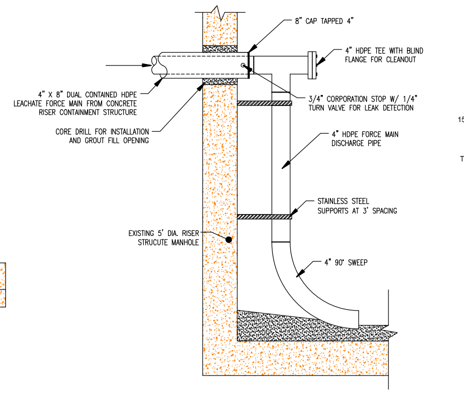
PUMP CONTROLS:

SUMP PUMP SYSTEM SHALL BE EQUIPPED WITH A HIGH WATER ALARM THAT WILL ALERT ONSITE PERSONNEL TO HIGH WATER LEVEL IN SUMP. PUMPS SHALL BE EQUIPPED WITH PRESSURE TRANSDUCERS FOR AUTOMATIC CONTROL.



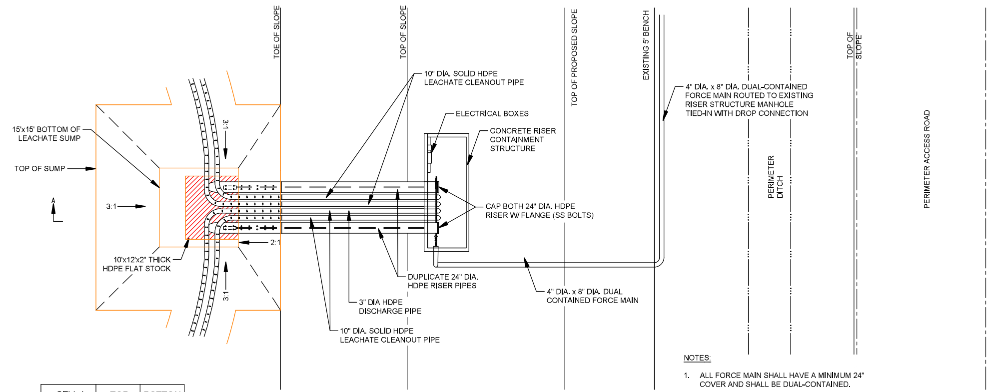
FORCE MAIN FITTINGS WITH FREEZE PROTECTION

SCALE: N.T.S.



FORCE MAIN INSIDE DROP MANHOLE CONNECTION

SCALE: N.T.S.



CELL / SUMP NO.	TOP ELEV.	BOTTOM ELEV.
1	740.42	736.42
2	743.75	739.75

PLAN VIEW

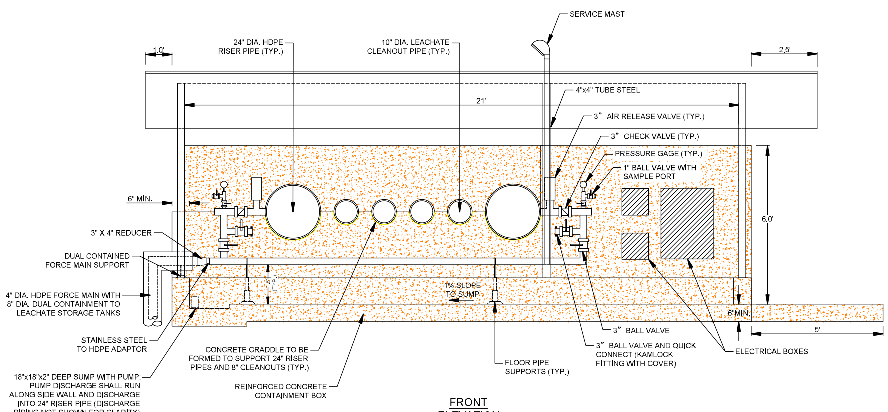
SCALE: NTS

0 LEACHATE SUMP ASSEMBLY

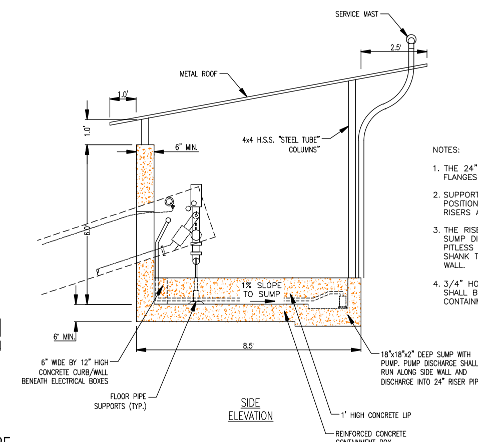
SCALE: NTS

NOTES:

1. ALL FORCE MAIN SHALL HAVE A MINIMUM 24" COVER AND SHALL BE DUAL-CONTAINED.
2. TRACE TAPE SHALL BE PLACED IN ALL LEACHATE FORCE MAIN TRENCHES. 12" BELOW GROUND SURFACE AND DIRECTLY ABOVE PIPE.
3. ENTIRE SUMP SHALL BE FILLED WITH ASTM #57 GRAVEL.



FRONT ELEVATION



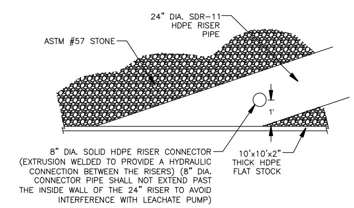
SIDE ELEVATION

CONCRETE RISER CONTAINMENT STRUCTURE

SCALE: 1" = 2'

NOTES:

1. THE 24" & 10" HDPE ARE TO HAVE BOLTED BLIND FLANGES AT ALL ABOVE GROUND ENDS.
2. SUPPORT POLE NEAR THE CENTER SHALL BE POSITIONED TO ALLOW UNRESTRICTED ACCESS TO RISERS AND CLEANOUT.
3. THE RISER SIDE EXIT FITTING FOR CONTAINMENT SUMP DISCHARGE SHALL BE A STAINLESS STEEL PITLESS ADAPTER WITH EXTENDED THREADED SHANK TO EXTEND THROUGH THE RISER SIDE WALL.
4. 3/4" HOSE CONNECTING SUMP PUMP TO RISER SHALL BE ANCHORED TO SIDE WALL OF CONTAINMENT STRUCTURE.



8" DIA. SOLID HDPE RISER CONNECTOR

SCALE: 1"=2'

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

GEORGIA REGISTERED NO. 27185 PROFESSIONAL ENGINEER R. BRANT LANE 1/8/24

REFERENCES:

H1C11120 TITLE SHEET AND DRAWING INDEX
H1C11153 GENERAL SITE DEVELOPMENT, CELL NO. 1, LEACHATE COLLECTION SYSTEM LAYOUT
H1C11154 GENERAL SITE DEVELOPMENT, CELL NO. 2, LEACHATE COLLECTION SYSTEM LAYOUT
H1C11155A GENERAL SITE DEVELOPMENT, CELL 1 THROUGH CELL 3, LEACHATE COLLECTION SYSTEM DETAILS

REVISION	DATE
REVISION 0	DATE 01-08-2024
CONVENTIONAL CCR PLACEMENT MODIFICATIONS [BY HHNT, INC.]	

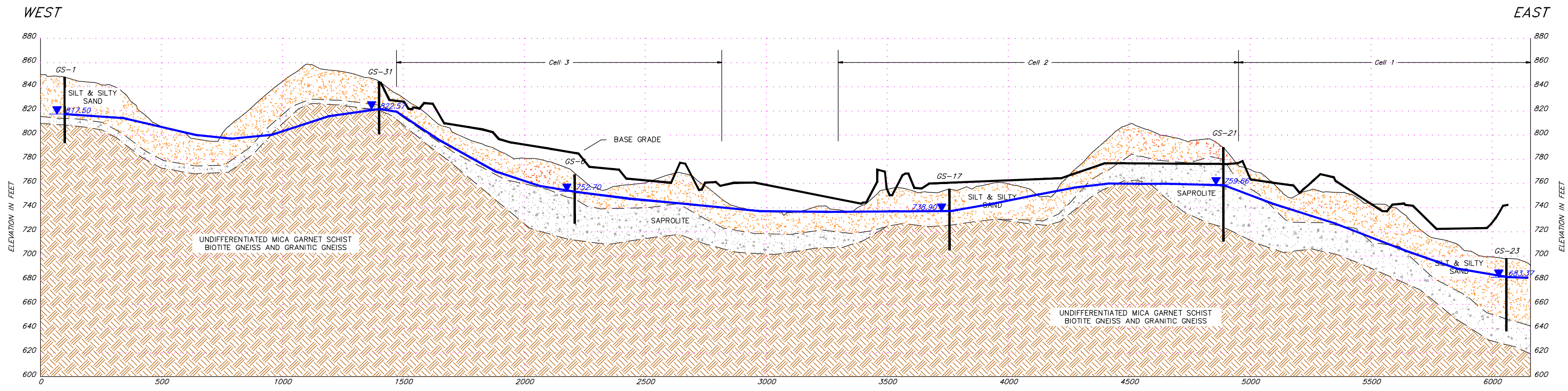
BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR
RSW	RBL					

Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION RESIDUALS (CCR) LANDFILL
CELL 1 AND CELL 2
LEACHATE COLLECTION SYSTEM DETAILS

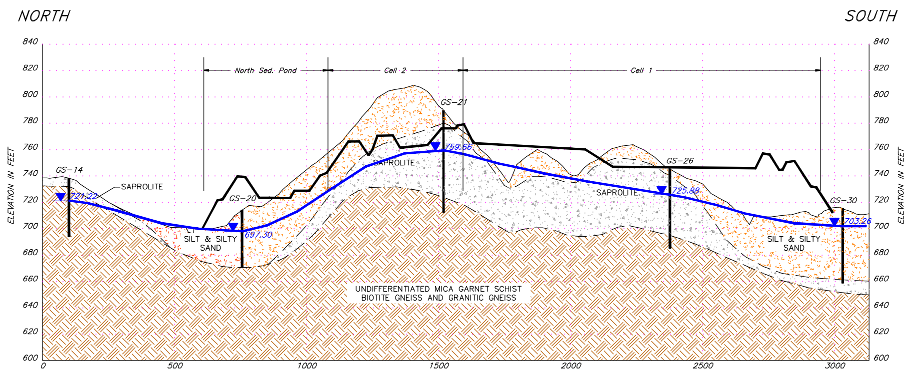
SCALE	DRAWING NUMBER	SHEET	CONT'D	REV
AS NOTED	H1C11155B	1	FINAL	0

Acad2008 ANSI F: 40x28



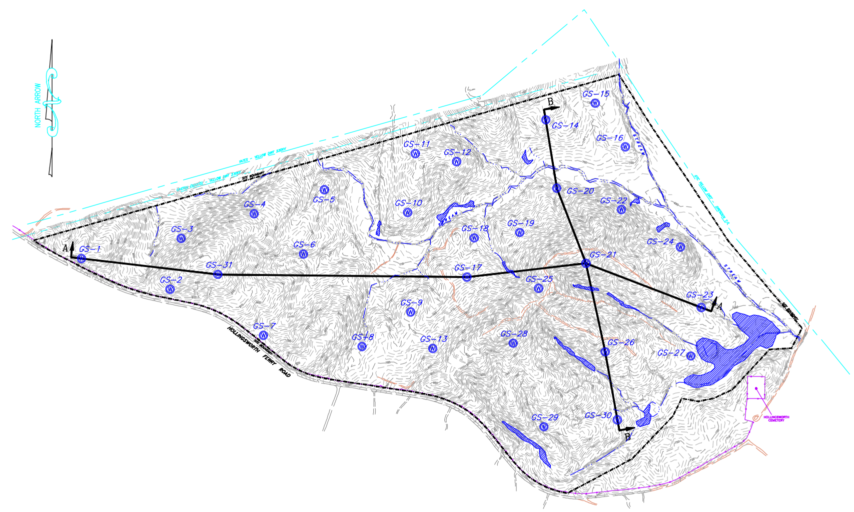
GEOLOGIC CROSS–SECTION A–A

SCALE H: 1"=200' V: 1"=40'



GEOLOGIC CROSS–SECTION B–B

SCALE H: 1"=200' V: 1"=40'



KEY PLAN

SCALE : 1"=500'

LEGEND:

HIGH GROUNDWATER ELEVATION FROM NOVEMBER 17, 2006

GS-1 PIEZOMETER

BASE GRADE

The information provided on this drawing was originally prepared by qualified groundwater scientists at Southern Company Generation Engineering and Construction Services in August 2009 in support of the Industrial Solid Waste Permit 074–005D(LI). The drawing was subsequently modified with final approval from EPD occurring in May 2012. 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.

ANDREW W. ALEXANDER No.1485 GEORGIA REGISTERED PROFESSIONAL GEOLOGIST

GEORGIA REGISTERED NO. 27185 PROFESSIONAL ENGINEER R. BRANT LANE 9/27/22

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

Southern Company Generation Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION BY–PRODUCT DISPOSAL FACILITY
GEOLOGIC CROSS SECTION A–A' AND B–B'

REVISION	DATE
0	09–23–2022
CCR LF PERMIT APPLICATION [BY HHNT, INC.]	

BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR	SCALE	PROJ I.D.	DRAWING NUMBER	SHEET	CONT'D	REV
ANR	RBL						AS SHOWN	010505	H1C11160	1	FINAL	0

ANSI F: 40x28 Acad2008

Well #	Top of Casing	NORTHING	EASTING	Depth to GW	GW Elev.
GS-1	850.30	1238147.82	2023921.75	32.80	817.50
GS-2	837.07	1237856.24	2024760.49	33.32	803.75
GS-3	806.32	1238337.09	2024864.70	29.25	777.07
GS-4	808.99	1238570.93	2025555.30	17.19	791.80
GS-5	775.97	1238796.98	2026220.07	26.53	749.44
GS-6	769.71	1238189.42	2026022.55	19.55	750.16
GS-7	797.43	1237419.63	2025643.03	40.65	756.78
GS-8	769.40	1237314.15	2026576.30	18.55	750.85
GS-9	776.44	1237640.58	2027036.93	26.84	749.60
GS-10	764.18	1238583.63	2027008.55	35.00	729.18
GS-11	776.63	1239140.54	2027081.81	42.61	734.02
GS-12	775.70	1239064.20	2027471.39	48.18	727.52
GS-13	783.96	1237294.99	2027246.44	18.69	765.27
GS-14	740.82	1239460.61	2028315.26	21.27	719.55
GS-15	722.61	1239617.30	2028782.90	15.51	707.10
GS-16	713.11	1239205.24	2029067.91	20.44	692.67
GS-17	758.78	1237971.68	2027569.49	22.66	736.12
GS-18	733.45	1238342.79	2027638.32	15.07	718.38
GS-19	752.89	1238392.87	2028069.80	dry	dry
GS-20	716.61	1238812.87	2028418.95	19.58	697.03
GS-21	792.11	1238101.43	2028695.23	35.03	757.08
GS-22	732.71	1238610.81	2029031.16	18.03	714.68 *
GS-23	700.73	1237682.91	2029786.70	dry	dry
GS-24	728.21	1238255.48	2029589.09	42.18	686.03
GS-25	788.47	1237863.92	2028247.05	18.05	770.42
GS-26	748.14	1237263.35	2028877.97	28.89	719.25
GS-27	702.67	1237224.47	2029687.47	13.61	689.06
GS-28	816.37	1237344.85	2028006.96	42.88	773.49
GS-29	749.67	1236553.98	2028298.21	19.81	729.86
GS-30	717.54	1236619.15	2028993.81	14.92	702.62

* ERRONEOUS READING — NOT USED ON PREPARATION ON MAP.

LINE LEGEND

- Property Line
- Site Boundary
- Buffer Boundary
- Wetland
- Fence
- 840 Existing Contours
- 810 Groundwater Contour
- Flow Direction
- GS-1 817.3 Piezometer/ Groundwater Elevation

NOTE
ELEVATIONS AND COORDINATE VALUES SHOWN WERE ESTABLISHED FROM GEORGIA POWER CONTROL MONUMENTS "WANSLEY1" AND "WANSLEY3" USING G.P.S. METHODS. CONTOURS WERE ESTABLISHED FROM A FIELD RUN TOPOGRAPHIC SURVEY PERFORMED BY METRO ENGINEERING & SURVEY COMPANY INC. BETWEEN THE DATES OF JUNE 8, 2006 AND SEPT. 29, 2006.

The information provided on this drawing was originally prepared by qualified groundwater scientists at Southern Company Generation Engineering and Construction Services in August 2009 in support of the Industrial Solid Waste Permit 074–005D(LI). The drawing was subsequently modified with final approval from EPD occurring in May 2012. 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. other than revisions to the property buffer for plan consistency.

ANDREW W. ALEXANDER No.1485 GEORGIA REGISTERED PROFESSIONAL GEOLOGIST

GEORGIA REGISTERED NO. 27185 PROFESSIONAL ENGINEER R. BRANT LANE 9/1/23

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

GRAPHIC SCALE
200 0 100 200 400 800
(IN FEET)
1 inch = 200 ft.

Southern Company Generation Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION BY–PRODUCT DISPOSAL FACILITY
POTENTIOMETRIC SURFACE MAP 11/17/2006

REVISION	DATE	DESCRIPTION	BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR
1	8–30–2023	REVISED PROPERTY BUFFER AND NORTHERN BUFFER IMPACTS [BY HHNT, INC.]	RSW	RBL					
0	09–23–2022	CCR LF PERMIT APPLICATION [BY HHNT, INC.]	ANR	RBL					

SCALE	PROJ I.D.	DRAWING NUMBER	SHEET	CONT'D	REV
AS SHOWN	010505	**H1C11161**	1	FINAL	1

ANSI F: 40x28 Acad2008

Well #	Gnd Elev.	Top of Casing	NORTHING	EASTING	Depth to GW	GW Elev.
GS-1	847.7	850.30	1238147.82	2023921.75	38.04	812.26
GS-2	834.2	837.07	1237856.24	2024760.49	29.44	807.63
GS-3	803.2	806.32	1238337.09	2024864.70	26.97	779.35
GS-4	805.9	808.99	1238570.93	2025555.30	15.66	793.33
GS-5	773.1	775.97	1238796.98	2026220.07	25.53	750.44
GS-6	767.1	769.71	1238189.42	2026022.55	20.68	749.03
GS-7	794.7	797.43	1237419.63	2025643.03	50.37	747.06
GS-8	766.5	769.40	1237314.15	2026576.30	17.19	752.21
GS-9	772.7	776.44	1237640.58	2027036.93	25.29	751.15
GS-10	761.4	764.18	1238583.63	2027008.55	32.37	731.81
GS-11	773.9	776.63	1239140.54	2027081.81	41.59	735.04
GS-12	773.2	775.70	1239064.20	2027471.39	46.85	728.85
GS-13	780.6	783.96	1237294.99	2027246.44	17.38	766.58
GS-14	737.7	740.82	1239460.61	2028315.26	19.6	721.22
GS-15	719.7	722.61	1239617.30	2028782.90	10.14	712.47
GS-16	710.5	713.11	1239205.24	2029067.91	18.93	694.18
GS-17	756.1	758.78	1237971.68	2027569.49	22.55	736.23
GS-18	731.6	733.45	1238342.79	2027638.32	14.81	718.64
GS-19	750	752.89	1238392.87	2028069.80	23.32	729.57
GS-20	713.8	716.61	1238812.87	2028418.95	19.32	697.29
GS-21	789.4	792.11	1238101.43	2028695.23	38.38	753.73
GS-22	729.3	732.71	1238610.81	2029031.16	37.27	695.44
GS-23	697.9	700.73	1237682.91	2029786.70	17.36	683.37
GS-24	725	728.21	1238255.48	2029589.09	41.59	686.62
GS-25	785.7	788.47	1237863.92	2028247.05	20.32	768.15
GS-26	744.7	748.14	1237263.35	2028877.97	28.56	719.58
GS-27	699.7	702.67	1237224.47	2029687.47	13.02	689.65
GS-28	813.4	816.37	1237344.85	2028006.96	51.87	764.50
GS-29	746.7	749.67	1236553.98	2028298.21	19.31	730.36
GS-30	714.6	717.54	1236619.15	2028993.81	15.08	702.46
GS-31	843.5	846.39	1237996.60	2025212.76	23.94	822.45

NOTE
ELEVATIONS AND COORDINATE VALUES SHOWN WERE ESTABLISHED FROM GEORGIA POWER CONTROL MONUMENTS "WANSLEY1" AND "WANSLEY3" USING G.P.S. METHODS. CONTOURS WERE ESTABLISHED FROM A FIELD RUN TOPOGRAPHIC SURVEY PERFORMED BY METRO ENGINEERING & SURVEY COMPANY INC. BETWEEN THE DATES OF JUNE 8, 2006 AND SEPT. 29, 2006.

The information provided on this drawing was originally prepared by qualified groundwater scientists at Southern Company Generation Engineering and Construction Services in August 2009 in support of the Industrial Solid Waste Permit 074–005D(LI). The drawing was subsequently modified with final approval from EPD occurring in May 2012. 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. other than revisions to the property buffer for plan consistency.

ANDREW W. ALEXANDER
GEORGIA REGISTERED PROFESSIONAL GEOLOGIST
No.1485

GEORGIA
REGISTERED
No. 27185
PROFESSIONAL
ENGINEER
R BRANT LANE

9/1/23

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

Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION BY-PRODUCT DISPOSAL FACILITY
POTENTIOMETRIC SURFACE MAP 04/10/2009

REVISION	DATE	DESCRIPTION	BY	CHK'D
1	8-30-2023	REVISED PROPERTY BUFFER AND NORTHERN BUFFER IMPACTS [BY HHNT, INC.]	RSW	RBL
0	09-23-2022	CCR LF PERMIT APPLICATION [BY HHNT, INC.]	ANR	RBL

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

SCALE	PROJ I.D.	DRAWING NUMBER	SHEET	CONT'D	REV
AS SHOWN	010505	H1C11163	1	FINAL	1

ANSI F: 40x28 Acad2008

Summary of Groundwater Elevations Plant Wansley Landfill March 2021 Sampling Event				
Monitoring Well ID	Total Depth (ft BTOC)	Top of Casing (ft NAVD88)	Depth to Water (ft BTOC)	Groundwater Elevation (ft NAVD88)
GWA-1	49.79	778.02	18.4	759.62
GWA-2	60.09	816.16	42.7	773.46
GWA-3	31.37	790.64	22.33	768.31
GWA-4	40.53	779.54	20.07	759.47
GWC-5	40.83	755.91	14.82	741.09
GWC-6	31.12	749.98	17.05	732.93
GWC-7	26.02	731.15	8.09	723.06
GWC-8	20.11	723.46	8.83	714.63
GWC-9	19.44	712.65	7.22	705.43
GWC-10	21.97	709.41	11.69	697.72
GWC-11	18.16	701.05	6.26	694.79
GWC-12	40.54	724.06	27.03	697.03
GWC-13	90.46	694.08	5.95	688.13
GWC-14	24.34	692.63	9.6	683.03
GWC-15	51.06	687.44	6.25	681.19
GWC-16	26.89	690.32	10.06	680.26
GWC-17	53.2	704.55	19.65	684.9
GWC-18	30.39	700.31	13.09	687.22
GWC-19	38.43	698.47	7.11	691.36
GWC-20	70.96	706.29	4.83	701.46
GWC-21	38.3	721.02	12.71	708.31
GWC-22	77.13	744.17	21.95	722.22
GWC-23	67.95	773.41	34.64	738.77
GWC-24	51.09	790.37	38.8	751.57
GWC-25	61.29	812.36	50.13	762.23
GWC-26	59.54	785.6	27.4	758.2
GWC-27	70.94	814.32	41.7	772.62
GWA-28	45.83	849.16	24.58	824.58
GWA-29	57.07	834.67	42.27	792.4
GWC-30	49.64	791.1	25	766.1
GWC-31	38.03	797.5	30.3	767.2
GWC-32	31.21	785.38	25.01	760.37
GWC-33	24.03	760.05	13.44	746.61
GWC-34	50.91	735.4	4.21	731.19
GWC-35	40.53	730.64	7.95	722.69
Notes:	Depths to water measured on March 8, 2021.			
	ft NAVD88 = feet North American Vertical Datum of 1988.			
	ft BTOC = feet below top of casing.			

LEGEND:

- GWC-34 PROPOSED DOWNGRADIENT WELL
- GWA-36 PROPOSED UPGRADIENT WELL
- SWC-4 SURFACE WATER MONITORING POINTS
- GS-1 PIEZOMETER LOCATION
- SITE BOUNDARY
- 200' BUFFER
- 500' WASTE BUFFER
- 25' STREAM BUFFER
- LIMITS OF CLEARING
- EXCAVATION LAYOUT CONTROL
- WETLANDS
- 50 EXISTING GROUND CONTOURS
- 50 FINAL GRADE CONTOURS
- LIMITS OF WASTE
- UNDERDRAIN
- GROUNDWATER ELEVATION CONTOUR

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 12687 GARY H. McWHORTER 10/10/2023

GEORGIA REGISTERED NO. 27185 PROFESSIONAL ENGINEER R. BRANT LANE 10/10/2023

ANDREW W. ALEXANDER GEORGIA REGISTERED PROFESSIONAL GEOLOGIST No. 1485

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: AW Alexander

Date: 2023-10-06

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

GRAPHIC SCALE
150 0 75 150 300 600
(IN FEET)
1 inch = 150 ft.

NOTES:

1. SURFACE WATER MONITORING POINTS SWC-2, SWC-3, SWC-4, SWC-5, SWC-8, AND SWC-9 ARE UNDERDRAIN OUTFALLS.
2. POTENTIOMETRIC CONTOUR MAP HAS BEEN OBTAINED FROM FIGURE A2 OF THE GROUNDWATER MONITORING PLAN PREPARED BY ATLANTIC COAST CONSULTING, INC., AND IS BASED ON THE MARCH 2021 GROUNDWATER SAMPLING EVENT.
3. (1) ALL EXISTING PIEZOMETERS IMPACTED BY THE FINAL GRADING OF THE STREAM RELOCATION WILL BE PROPERLY ABANDONED AND DOCUMENTED IN THE FACILITY OPERATING RECORD.
4. (1) ALL BORING LOCATIONS AND VICINITY WILL BE RESTORED TO A NATURAL STATE FOLLOWING THE COMPLETION OF THE BORINGS.

REFERENCES:

1. FOR A COMPLETE DRAWING LIST SEE H1C11120

REVISION	DATE	REVISION	DATE	REVISION 1	DATE 10-10-2023	REVISION 0	DATE 09-23-2022
				REVISED PROPERTY BUFFER AND NORTHERN BUFFER IMPACTS [BY HHNT, INC.]		CCR LF PERMIT APPLICATION [BY HHNT, INC.]	
BY	CHK'D	BY	CHK'D	BY RSW	CHK'D RBL	BY ANR	CHK'D RBL

Southern Company Generation Engineering and Construction Services
FOR
Georgia Power Company

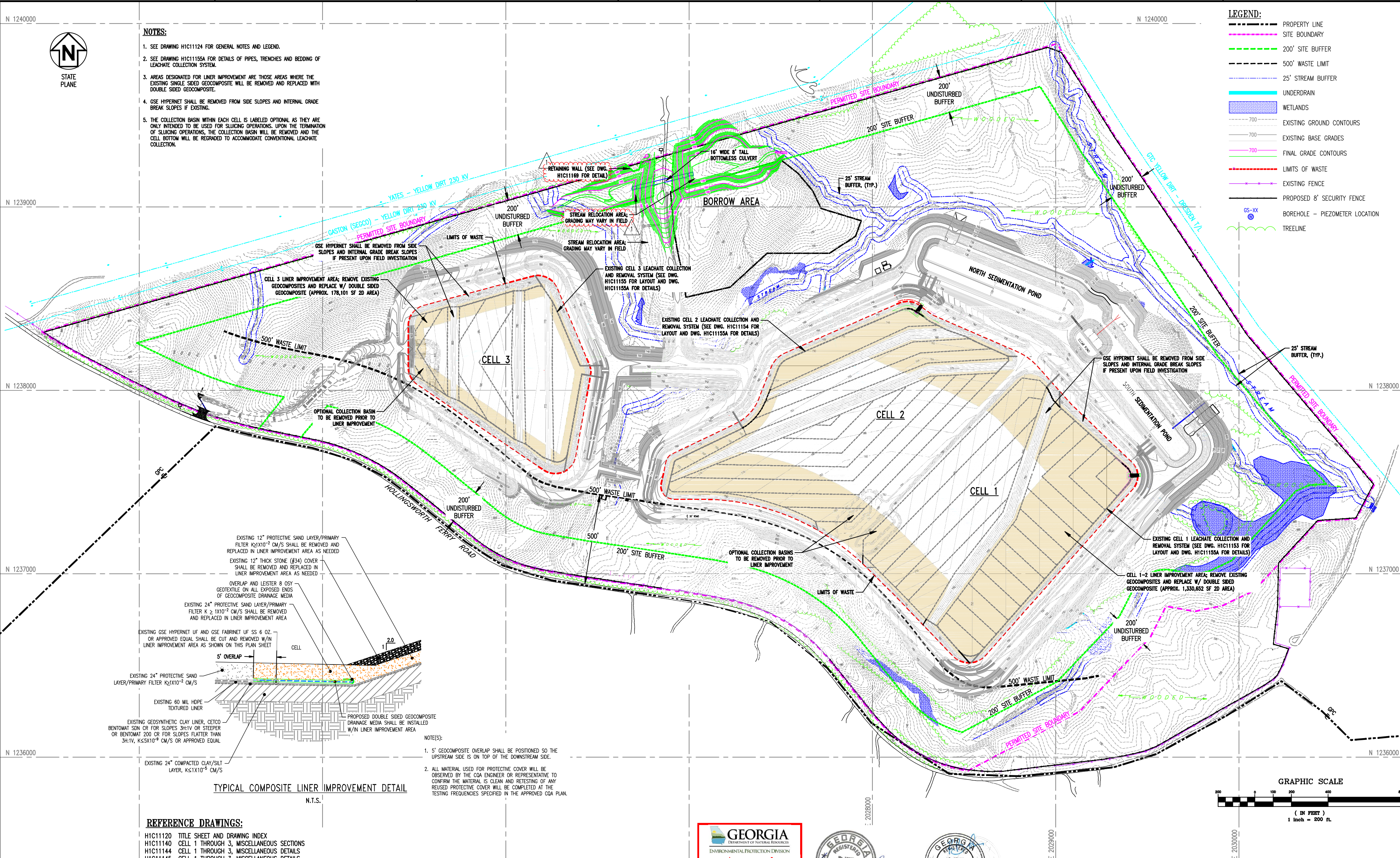
PLANT WANSLEY
COAL COMBUSTION BY-PRODUCT DISPOSAL FACILITY
COMPLIANCE NETWORK

SCALE	PROJ I.D.	DRAWING NUMBER	SHEET	CONT'D	REV
AS SHOWN	010505	H1C11165	1	FINAL	1

ANSI F: 40x28 Acad2008

NOTES:

1. SEE DRAWING H1C11124 FOR GENERAL NOTES AND LEGEND.
2. SEE DRAWING H1C11155A FOR DETAILS OF PIPES, TRENCHES AND BEDDING OF LEACHATE COLLECTION SYSTEM.
3. AREAS DESIGNATED FOR LINER IMPROVEMENT ARE THOSE AREAS WHERE THE EXISTING SINGLE SIDED GEOCOMPOSITE WILL BE REMOVED AND REPLACED WITH DOUBLE SIDED GEOCOMPOSITE.
4. GSE HYPERNET SHALL BE REMOVED FROM SIDE SLOPES AND INTERNAL GRADE BREAK SLOPES IF EXISTING.
5. THE COLLECTION BASIN WITHIN EACH CELL IS LABELED OPTIONAL AS THEY ARE ONLY INTENDED TO BE USED FOR SLUICING OPERATIONS. UPON THE TERMINATION OF SLUICING OPERATIONS, THE COLLECTION BASIN WILL BE REMOVED AND THE CELL BOTTOM WILL BE REGRADED TO ACCOMMODATE CONVENTIONAL LEACHATE COLLECTION.



LEGEND:

- PROPERTY LINE
- SITE BOUNDARY
- 200' SITE BUFFER
- 500' WASTE LIMIT
- 25' STREAM BUFFER
- UNDERDRAIN
- WETLANDS
- EXISTING GROUND CONTOURS (700)
- EXISTING BASE GRADES (700)
- FINAL GRADE CONTOURS (700)
- LIMITS OF WASTE
- EXISTING FENCE
- PROPOSED 8' SECURITY FENCE
- BOREHOLE - PIEZOMETER LOCATION (GS-XX)
- TREELINE

TYPICAL COMPOSITE LINER IMPROVEMENT DETAIL

N.T.S.

NOTE(S):

1. 5' GEOCOMPOSITE OVERLAP SHALL BE POSITIONED SO THE UPSTREAM SIDE IS ON TOP OF THE DOWNSTREAM SIDE.
2. ALL MATERIAL USED FOR PROTECTIVE COVER WILL BE OBSERVED BY THE CQA ENGINEER OR REPRESENTATIVE TO CONFIRM THE MATERIAL IS CLEAN AND RETESTING OF ANY REUSED PROTECTIVE COVER WILL BE COMPLETED AT THE TESTING FREQUENCIES SPECIFIED IN THE APPROVED CQA PLAN.

REFERENCE DRAWINGS:

H1C11120 TITLE SHEET AND DRAWING INDEX
H1C11140 CELL 1 THROUGH 3, MISCELLANEOUS SECTIONS
H1C11144 CELL 1 THROUGH 3, MISCELLANEOUS DETAILS
H1C11145 CELL 1 THROUGH 3, MISCELLANEOUS DETAILS
H1C11153 CELL NO. 1, LEACHATE COLLECTION SYSTEM LAYOUT
H1C11154 CELL NO. 2, LEACHATE COLLECTION SYSTSEM LAYOUT
H1C11155 CELL NO. 3, LEACHATE COLLECTION SYSTSEM LAYOUT
H1C11155A CELL 1 THROUGH CELL 3, LEACHATE COLLECTION SYSTEM DETAILS

GRAPHIC SCALE

(IN FEET)
1 inch = 200 ft.

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

GEORGIA REGISTERED No. 12687 PROFESSIONAL ENGINEER GARY H. McWHORTER 5/3/2024

GEORGIA REGISTERED No. 27185 PROFESSIONAL ENGINEER R. BRANT LANE 5/3/24

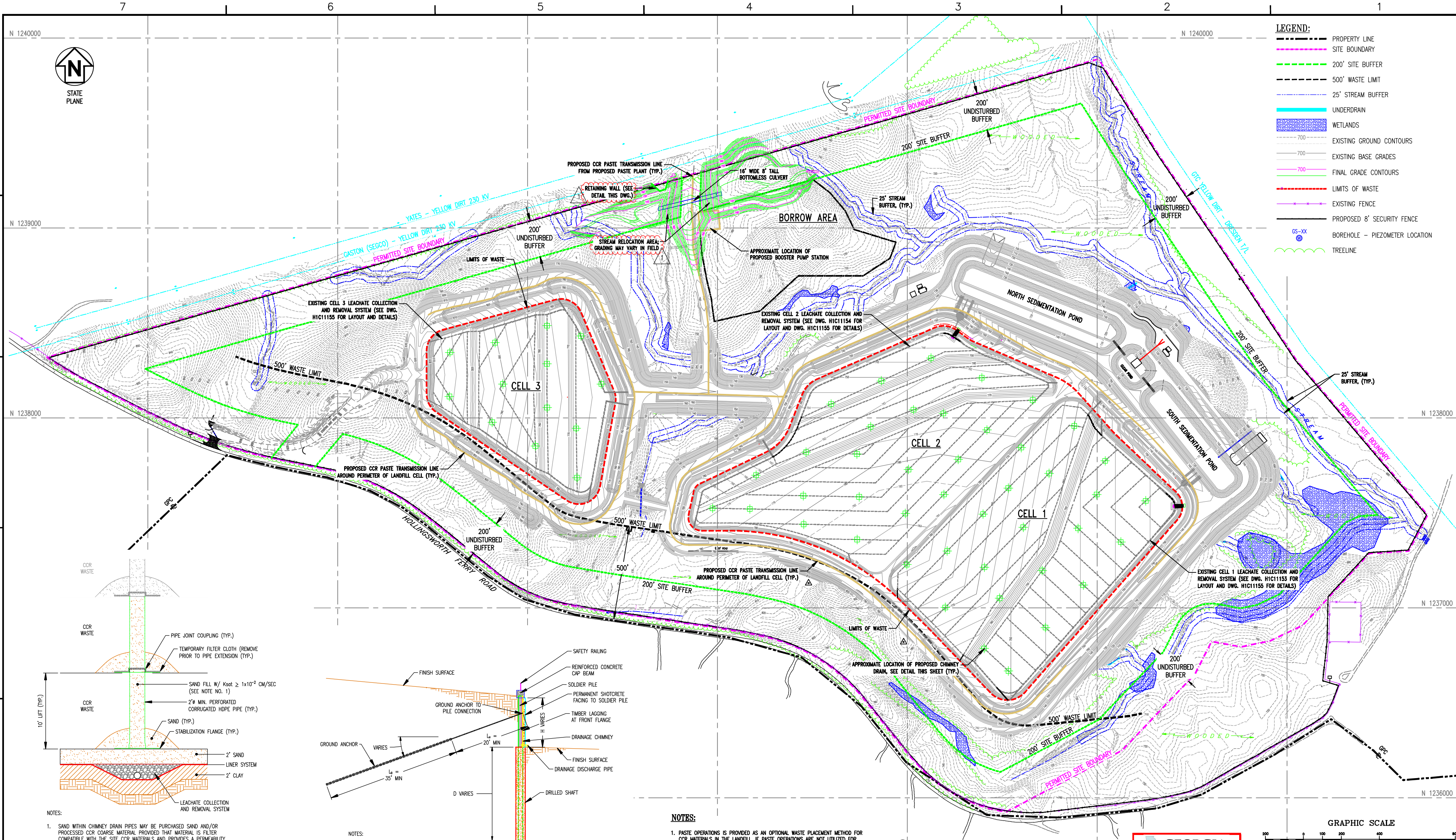
REVISION	DATE	DESCRIPTION	BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR
1	05-03-2024	STREAM RELOCATION GRADING MODIFICATION TO INCLUDE RETAINING WALL [BY HHNT, INC.]	RSW	RBL		X	X	X	X
0	01-08-2024	CONVENTIONAL CCR PLACEMENT [BY HHNT, INC.]	RSW	RBL		X	X	X	X

Southern Company Generation Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION RESIDUALS (CCR) LANDFILL
GENERAL SITE DEVELOPMENT
PROPOSED LINER IMPROVEMENT PLAN

SCALE	DRAWING NUMBER	SHEET	CONT'D	REV
1"=200'	H1C11168	1	FINAL	0

Acad2008 ANSI F: 40x28



NOTES:

1. SAND WITHIN CHIMNEY DRAIN PIPES MAY BE PURCHASED SAND AND/OR PROCESSED CCR COARSE MATERIAL PROVIDED THAT MATERIAL IS FILTER COMPATIBLE WITH THE SITE CCR MATERIALS AND PROVIDES A PERMEABILITY EQUAL TO OR GREATER THAN THE SPECIFIED PURCHASED SAND MATERIAL.
2. CHIMNEY DRAINS WILL BE INSTALLED AT A SPACING TO ENSURE FULL COVERAGE OVER THE ENTIRE LINED AREA EACH HAVING A 150' RADIUS OF INFLUENCE PRIOR TO THE COMMENCEMENT OF PASTING OPERATIONS.
3. CHIMNEY DRAINS MAY ALSO BE INSTALLED FOR CONVENTIONAL CCR WASTE PLACEMENT AT THE OWNER'S DISCRETION. IN THE EVENT CHIMNEY DRAINS ARE INSTALLED TO PRECLUDE HIGH PORE PRESSURES, AN AS-BUILT SURVEY OF THE CHIMNEY DRAIN LOCATIONS WILL BE PROVIDED TO GEORGIA EPD.

CHIMNEY DRAIN DETAIL
N.T.S.

NOTES:

1. THE RETAINING WALL SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF GEORGIA. SEALED DESIGN CALCULATIONS DETERMINING THE HEIGHT, LENGTH, WIDTH, AND DEPTH INTO SOIL SHALL BE PROVIDED FOR INFORMATION PURPOSES UPON COMPLETION OF DESIGN.

RETAINING WALL DETAIL
N.T.S.

NOTES:

1. PASTE OPERATIONS IS PROVIDED AS AN OPTIONAL WASTE PLACEMENT METHOD FOR CCR MATERIALS IN THE LANDFILL. IF PASTE OPERATIONS ARE NOT UTILIZED FOR WASTE PLACEMENT, PERIMETER BERMS AND CHIMNEY DRAINS SHALL NOT BE REQUIRED.

REFERENCE DRAWINGS:

H1C11120 TITLE SHEET AND DRAWING INDEX
H1C11155 GENERAL SITE DEVELOPMENT, CELL NO. 3, LEACHATE COLLECTION SYSTEM LAYOUT & DETAILS

GRAPHIC SCALE
(IN FEET)
1 inch = 200 ft.

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

GEORGIA REGISTERED No. 12687 PROFESSIONAL ENGINEER GARY H. McWHORTER
5/3/2024

GEORGIA REGISTERED NO. 27185 PROFESSIONAL ENGINEER R. BRANT LANE
5/3/24

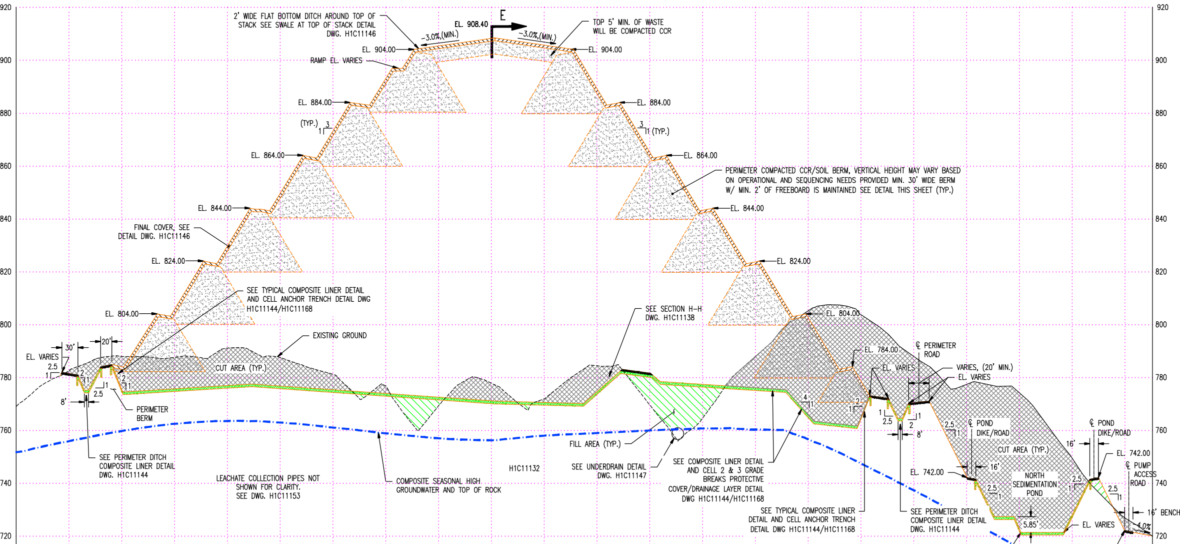
REVISION	DATE	DESCRIPTION	BY	CHK'D
1	05-03-2024	STREAM RELOCATION GRADING MODIFICATION TO INCLUDE RETAINING WALL [BY HHNT, INC.]	RSW	RBL
0	01-08-2024	OPTIONAL CCR PASTE OPERATIONOS [BY HHNT, INC.]	ANR	RBL

Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION RESIDUALS (CCR) LANDFILL
GENERAL SITE DEVELOPMENT
OPTIONAL PASTING OPERATIONS PLAN

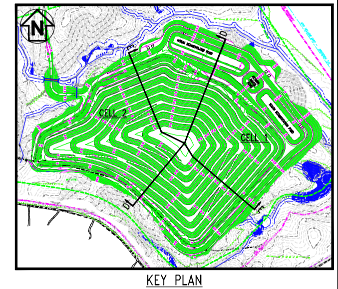
SCALE	DRAWING NUMBER	SHEET	CONT'D	REV
1"=200'	H1C11169	1	FINAL	0

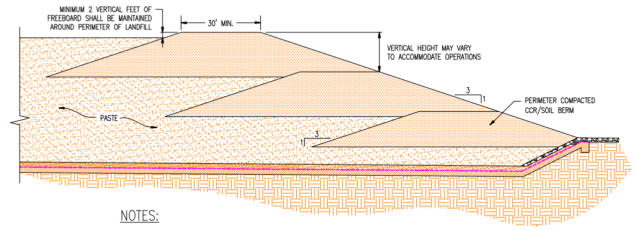
Acad2008 ANSI F: 40x28



SECTION D-D

SCALE H: 1"=100' V 1"=20'



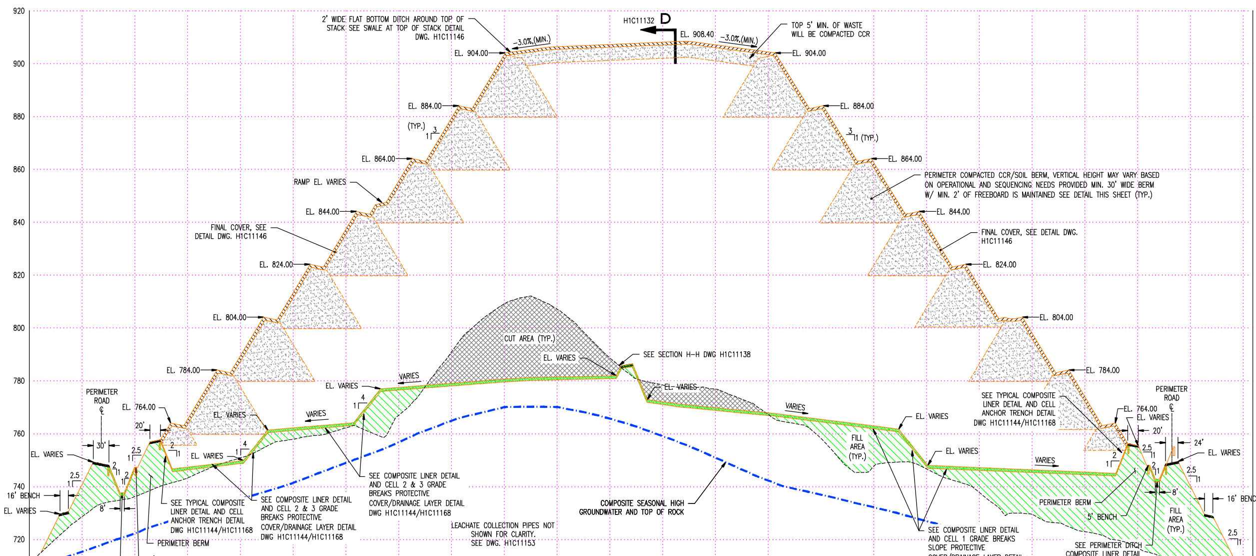


NOTES:

1. PERIMETER BERMS OF COMPACTED CCR OR SOIL ARE TO BE CONSTRUCTED AND MAINTAINED IN ALL ACTIVE PASTE DEPOSITION AREAS.
2. PERIMETER BERMS SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM STANDARD PROCTOR DENSITY AT +/- 3% OF THE STANDARD PROCTOR OPTIMUM MOISTURE CONTENT.
3. PERIMETER BERMS IN ACTIVE PASTE AREAS SHOULD MAINTAIN A MINIMUM TOP WIDTH (MEASURED HORIZONTALLY) OF 30 FEET.
4. PERIMETER BERMS IN ACTIVE PASTE AREAS SHALL BE MAINTAINED AT A MINIMUM OF 2 VERTICAL FEET ABOVE PASTE DEPOSITION LEVELS TO PROVIDE A MINIMUM OF 2 VERTICAL FEET OF FREEBOARD ALONG ALL PERIMETERS OF THE LANDFILL.
5. THE VERTICAL RAISE HEIGHT OF INDIVIDUAL SEQUENTIAL BERMS CAN VARY BASED ON OPERATIONAL AND SEQUENCING NEEDS, PROVIDED THE MINIMUM WIDTH (30 HORIZONTAL FEET) AND MINIMUM FREEBOARD (2 VERTICAL FEET) ARE MAINTAINED.

PERIMETER COMPACTED CCR/SOIL BERM DETAIL

SCALE: N.T.S



SECTION E-E

SCALE H: 1"=100' V 1"=20'

NOTES:

1. ALL SURFACE WATER CONTAINMENT STRUCTURES ARE ENGINEERED TO WITHSTAND A HORIZONTAL ACCELERATION OF 0.17g.
2. PASTE OPERATIONS IS PROVIDED AS AN OPTIONAL WASTE PLACEMENT METHOD FOR CCR MATERIALS IN THE LANDFILL. IF PASTE OPERATIONS ARE NOT UTILIZED FOR WASTE PLACEMENT, PERIMETER BERMS AND CHIMNEY DRAINS SHALL NOT BE REQUIRED.
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 AND ASSISTANCE.
4. COORDINATE SYSTEM IS GEORGIA STATE PLANE NAD 83 (1994) WEST ZONE.
5. ALL EROSION CONTROL MEASURES SHALL BE IN CONFORMANCE WITH THE "MANUAL FOR EROSION AND SEDIMENT CONTROL OF GEORGIA," CURRENT EDITION.
5. BASE GRADE ELEVATIONS SHOWN FOR THE CELLS AND PONDS REPRESENT TOP OF CLAY/SILT LAYER. ADDITIONAL SAND OR SOIL/MARKER BED MATERIAL WILL BE REQUIRED ABOVE THIS SURFACE. SEE CELL AND POND COMPOSITE LINER DETAILS, DRAWING H1C11144.

REFERENCES:

H1C11132 CELL NO. 1 & 2 COMBINED, FINAL STACKING PLAN
H1C11138 CELL NO. 1 THROUGH CELL NO. 3, MISCELLANEOUS SECTIONS, SHEET 1
H1C11144 CELL NO. 1 THROUGH CELL NO. 3, MISCELLANEOUS DETAILS, SHEET 2
H1C11146 CELL NO. 1 THROUGH CELL NO. 3, MISCELLANEOUS SECTIONS AND DETAILS, SHEET 1
H1C11147 CELL NO. 1 THROUGH CELL NO. 3, MISCELLANEOUS SECTIONS AND DETAILS, SHEET 2
H1C11153 CELL NO. 1, LEACHATE COLLECTION SYSTEM LAYOUT

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

GEORGIA REGISTERED NO. 27185 PROFESSIONAL ENGINEER R. BRANT LANE 1/8/24

REVISION 0 | DATE 01-08-2024

OPTIONAL CCR PASTE OPERATIONOS [BY HHNT, INC.]

Southern Company Generation Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION BY-PRODUCT DISPOSAL FACILITY
CELLS NO. 1 AND NO. 2
SECTIONS THRU STACK-OPTIONAL PASTING OPERATIONS

BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR	SCALE	DRAWING NUMBER	SHEET	CONT'D	REV
RSW	RBL						AS NOTED	H1C11170	1	FINAL	0

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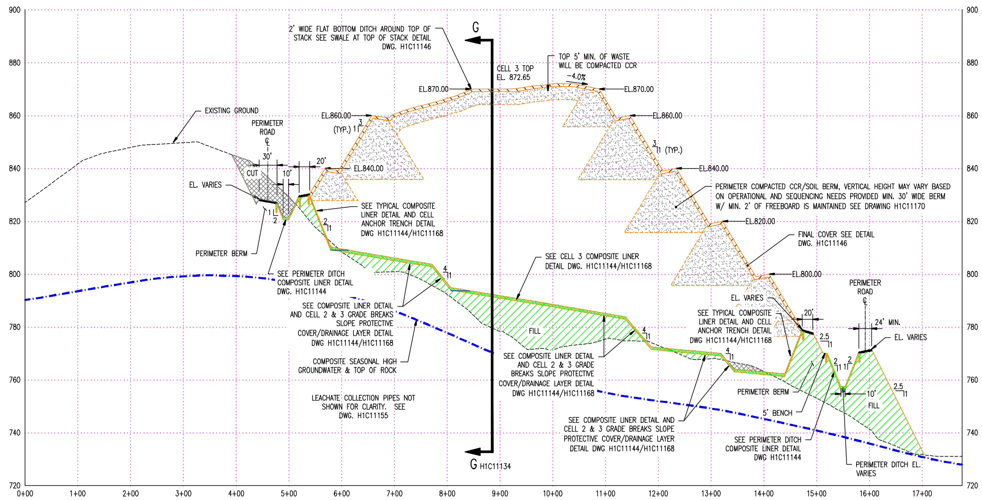
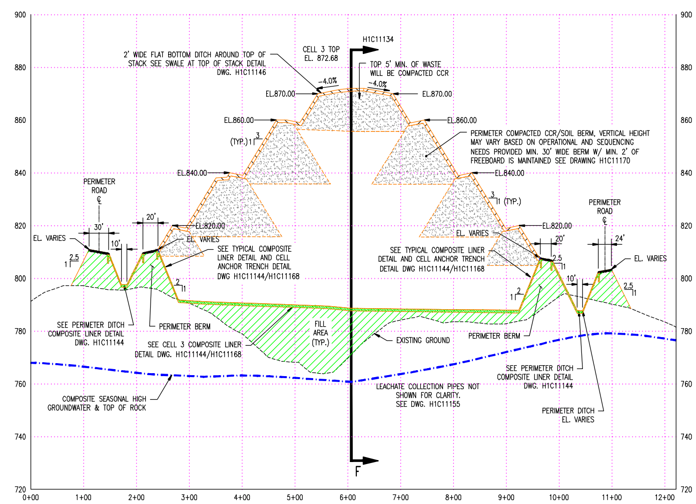
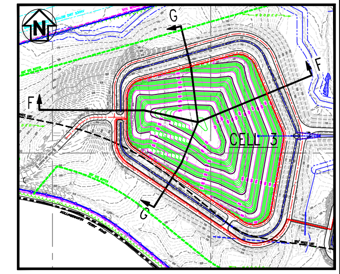


CELL 3
SECTION F-F
SCALE H: 1"=100' V 1"=20'



CELL 3
SECTION G-G
SCALE H: 1"=100' V 1"=20'



KEY PLAN
N.T.S.

NOTES:

1. PASTE OPERATIONS IS PROVIDED AS AN OPTIONAL WASTE PLACEMENT METHOD FOR CCR MATERIALS IN THE LANDFILL. IF PASTE OPERATIONS ARE NOT UTILIZED FOR WASTE PLACEMENT, PERIMETER BERMS AND CHIMNEY DRAINS SHALL NOT BE REQUIRED.
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. COORDINATE SYSTEM 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. BASE GRADE ELEVATIONS SHOWN FOR THE CELL REPRESENT TOP OF CLAY/SILT LAYER. ADDITIONAL SAND WILL BE REQUIRED ABOVE THIS SURFACE. SEE CELL COMPOSITE LINER DETAILS, DRAWING H1C11144.

REFERENCES:

H1C11134 CELL NO. 3 FINAL STACKING PLAN
H1C11144 CELL NO. 1 THROUGH CELL NO. 3, MISCELLANEOUS DETAILS, SHEET 2
H1C11146 CELL NO. 1 THROUGH CELL NO. 3, MISCELLANEOUS SECTIONS AND DETAILS, SHEET 1
H1C11147 CELL NO. 1 THROUGH CELL NO. 3, MISCELLANEOUS SECTIONS AND DETAILS, SHEET 2
H1C11155 CELL NO. 3 LEACHATE COLLECTION SYSTEM LAYOUT & DETAILS
H1C11170 CELLS NO. 1 AND NO. 2, SECTIONS THRU STACK – PASTING OPERATIONS

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

GEORGIA REGISTERED NO. 27185 PROFESSIONAL ENGINEER R. BRANT LANE
1/8/24

Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

PLANT WANSLEY
COAL COMBUSTION BY-PRODUCT DISPOSAL FACILITY
CELL NO. 3
SECTIONS THRU STACK–OPTIONAL PASTING OPERATIONS

REVISION	DATE	DESCRIPTION	BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR
0	01-08-2024	OPTIONAL CCR PASTE OPERATIONOS [BY HHNT, INC.]	RSW	RBL		X	X	X	X

SCALE	DRAWING NUMBER	SHEET	CONT'D	REV
AS NOTED	H1C11171	1	FINAL	0

Acad2008 ANSI F: 40x28