GEORGIA POWER COMPANY

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

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H1C11148	CELL 1 THROUGH CELL 3, MISCELLANEOUS SECTIONS AND DETAILS, SHEET 3
H1C11149	CELL 1 THROUGH CELL 3, EROSION CONTROL SECTIONS & DETAILS, SHEET 1
H1C11150	CELL 1 THROUGH CELL 3, EROSION CONTROL SECTIONS & DETAILS, SHEET 2
H1C11151	CELL 1 THROUGH CELL 3, SIPHON SECTIONS AND DETAILS
H1C11152	CELL 1 THROUGH CELL 3, FLUME DATA SHEET
H1C11153	GENERAL SITE DEVELOPMENT, CELL NO. 1, LEACHATE COLLECTION SYSTEM LAYOUT
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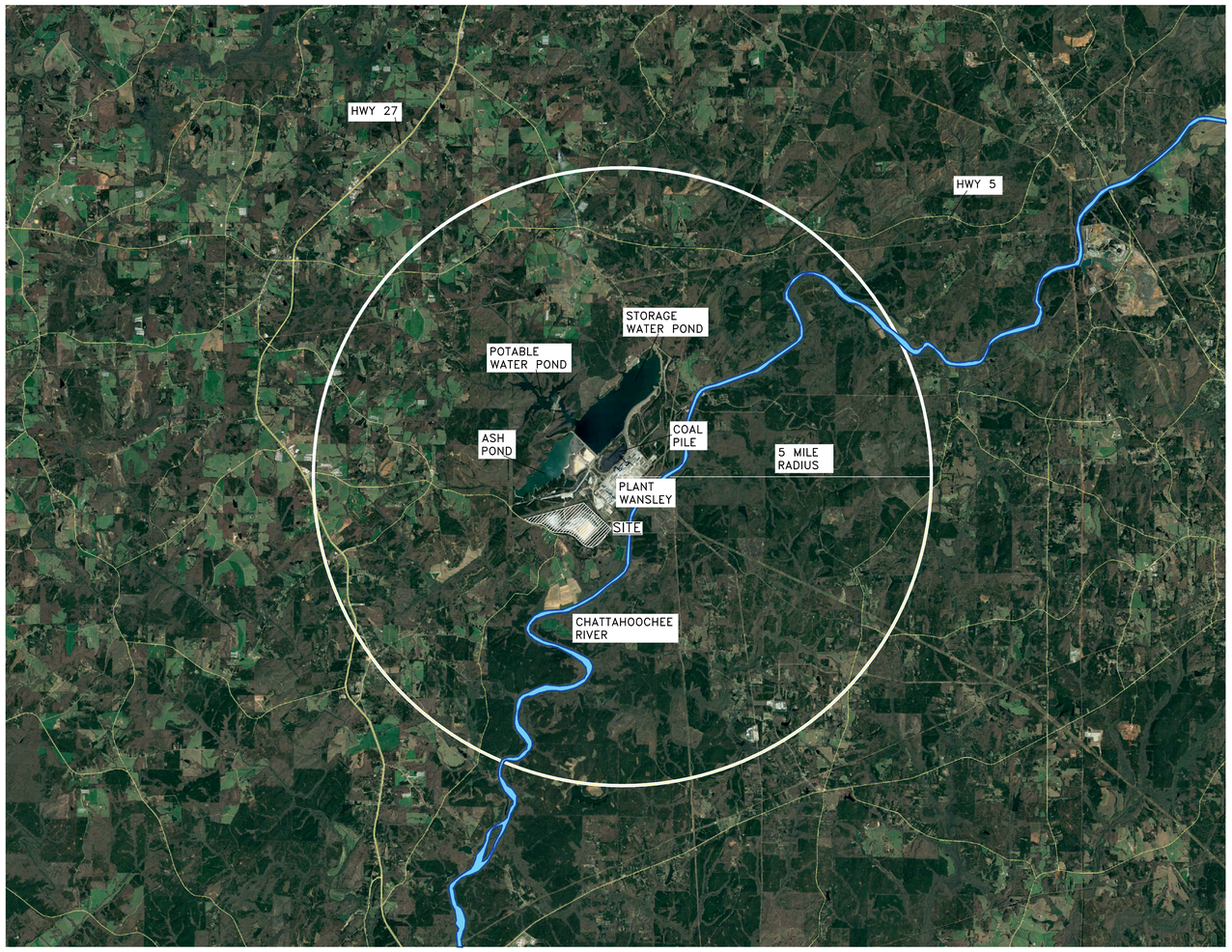
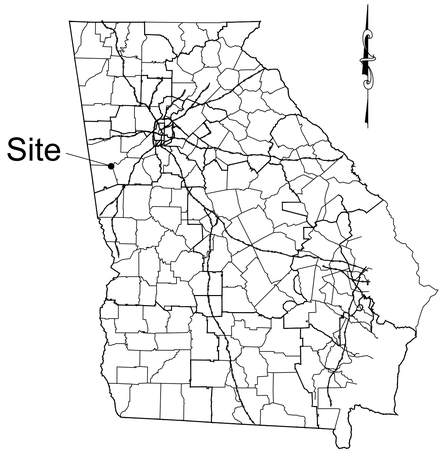
H1C11163	POTENTIOMETRIC SURFACE MAP, 4/10/2009
H1C11165	COMPLIANCE NETWORK



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. 27185 PROFESSIONAL ENGINEER R. BRANT LANE 10/10/2023

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

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.

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

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REVISION	DATE	BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR
1	10-10-2023	RSW	RBL					
REVISED PROPERTY BUFFER AND NORTHERN BUFFER IMPACTS, REMOVED SECURITY ROAD PLAN AND PROFILE SHEETS, DRAWINGS H1C11127 AND H1C11128 [BY HHNT, INC.]								
0	09-23-2022	ANR	RBL					
CCR LF PERMIT APPLICATION [BY HHNT, INC.]								

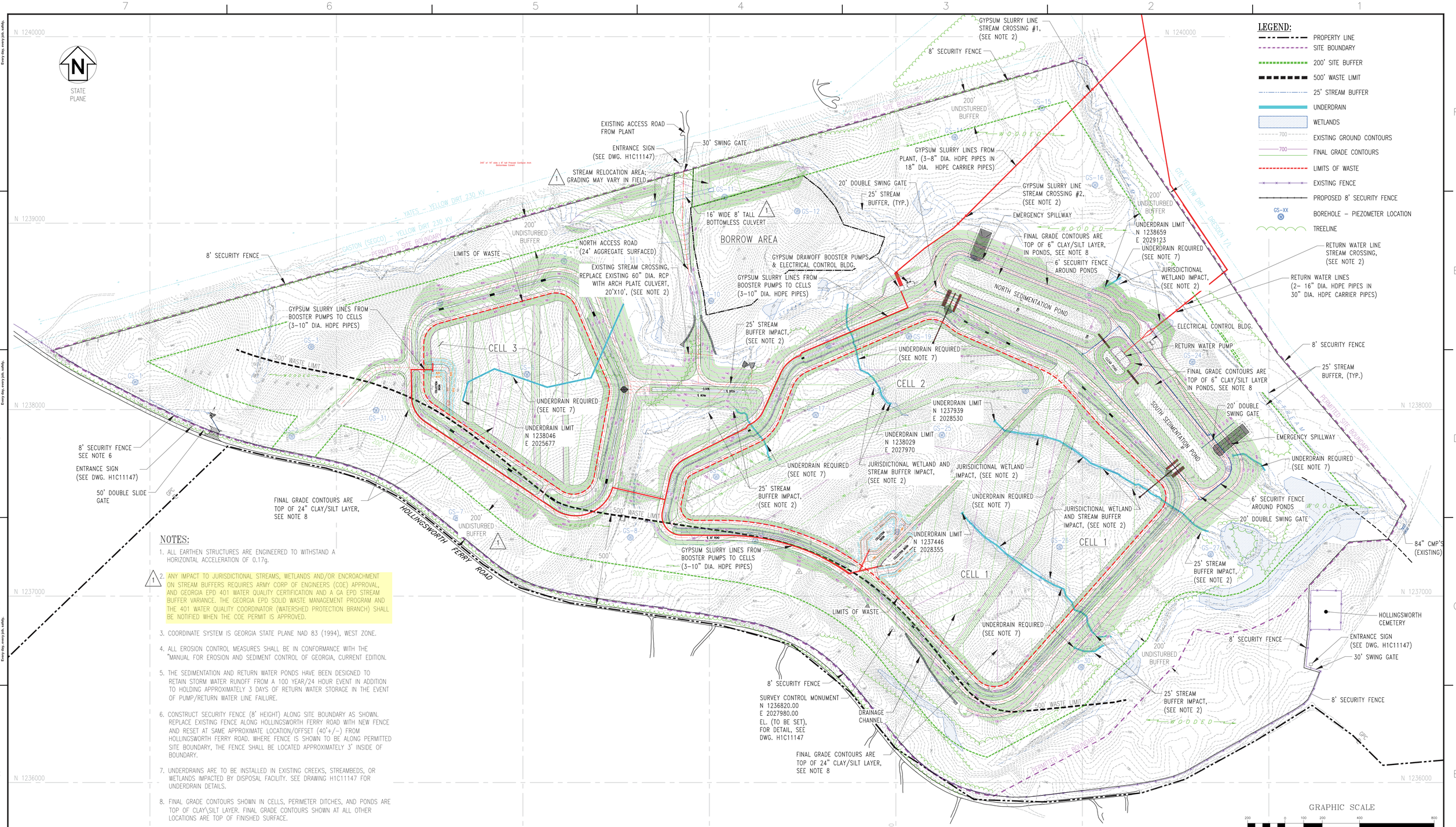
Southern Company Generation
Engineering and Construction Services
FOR

Georgia Power Company

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

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

ANSI F: 40x28 Acad2008



NOTES:

1. ALL EARTHEN 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. 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 REGISTERED PROFESSIONAL ENGINEER No. 12687 JOHN W. McWHORTER 10/10/2023

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

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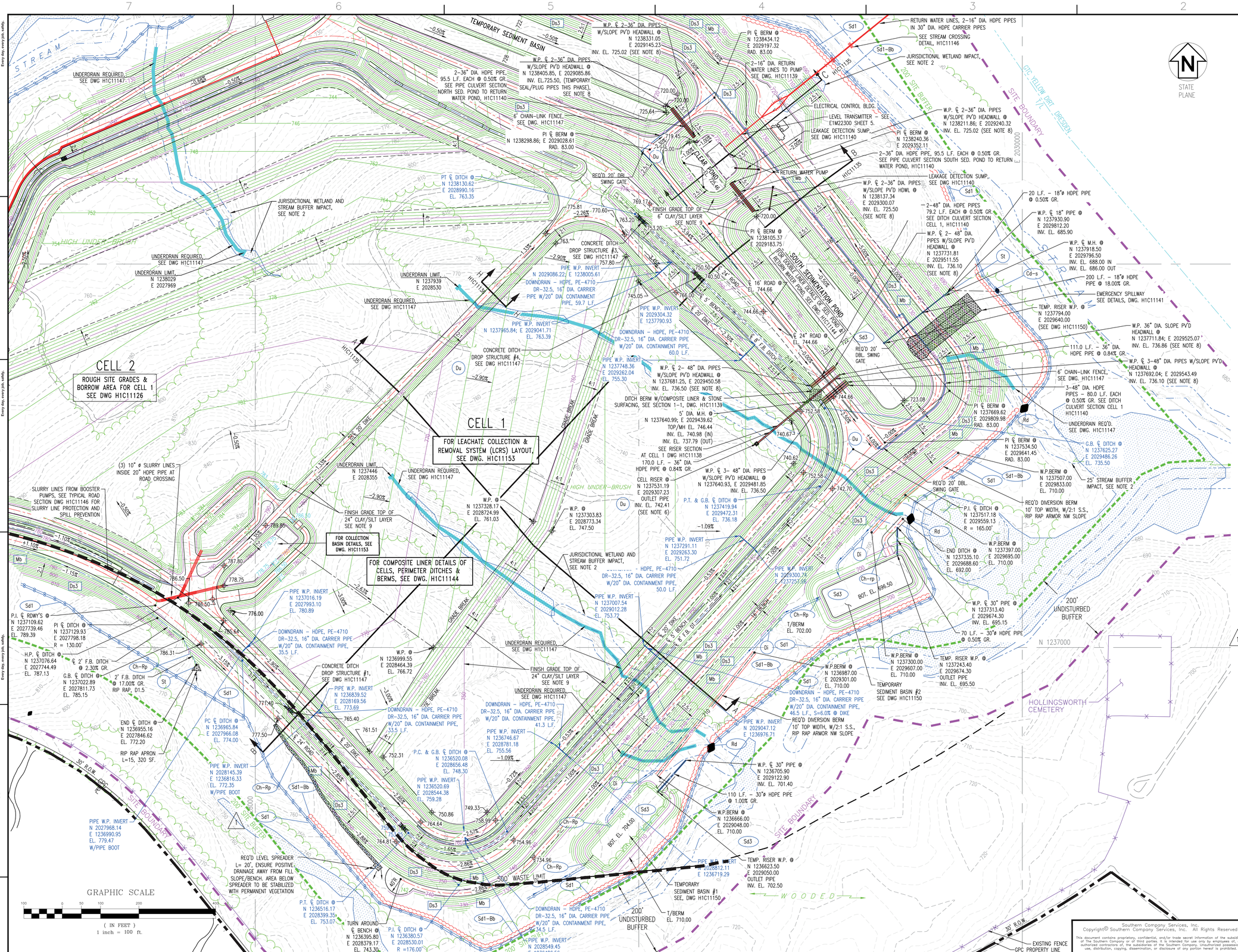
Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

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

REVISION	DATE	BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR
REVISION 1	DATE 10-10-2023	RSW	RBL					
REVISED PROPERTY BUFFER AND NORTHERN BUFFER IMPACTS [BY HHNT, INC.]								
REVISION 0	DATE 09-23-2022	ANR	RBL					
CCR LF PERMIT APPLICATION [BY HHNT, INC.]								

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

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
- 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:

1. ALL EARTHEN 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. 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.

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

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 12607 10/10/2023 GARY H. McWHORTER

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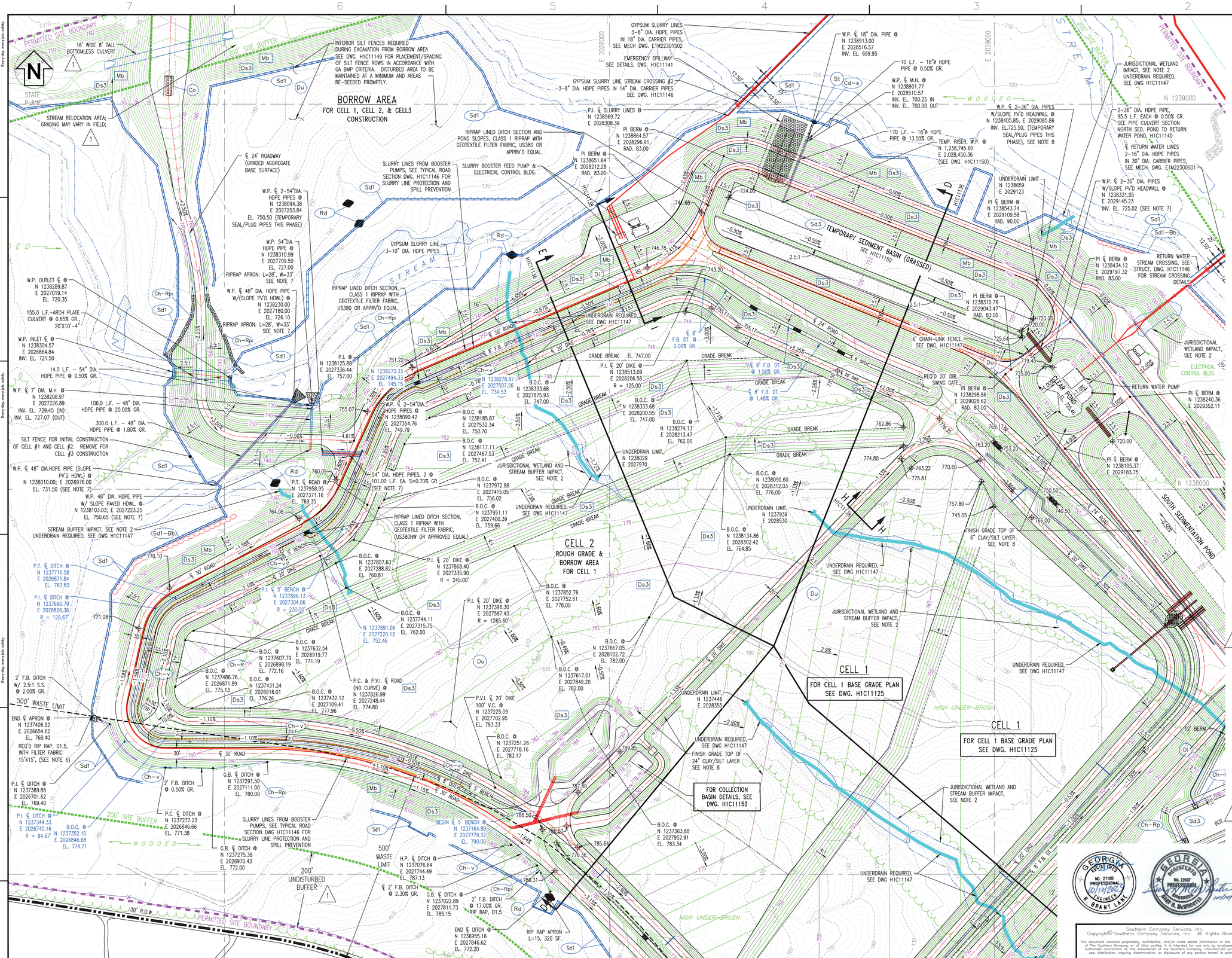
Southern Company Generation Engineering and Construction Services
FOR
Georgia Power Company

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

REVISION	DATE	BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR
REVISION 1 — REVISED PROPERTY BUFFER AND NORTHERN BUFFER IMPACTS [BY HHNT, INC.]	10-10-2023	RSW	RBL					
REVISION 0 — CCR LF PERMIT APPLICATION [BY HHNT, INC.]	09-23-2022	ANR	RBL					

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

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

GRAPHIC SCALE

(IN FEET)
1 inch = 100 ft.

GEORGIA REGISTERED PROFESSIONAL ENGINEER NO. 27185 01/10/2023 R. BRANT LANE

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

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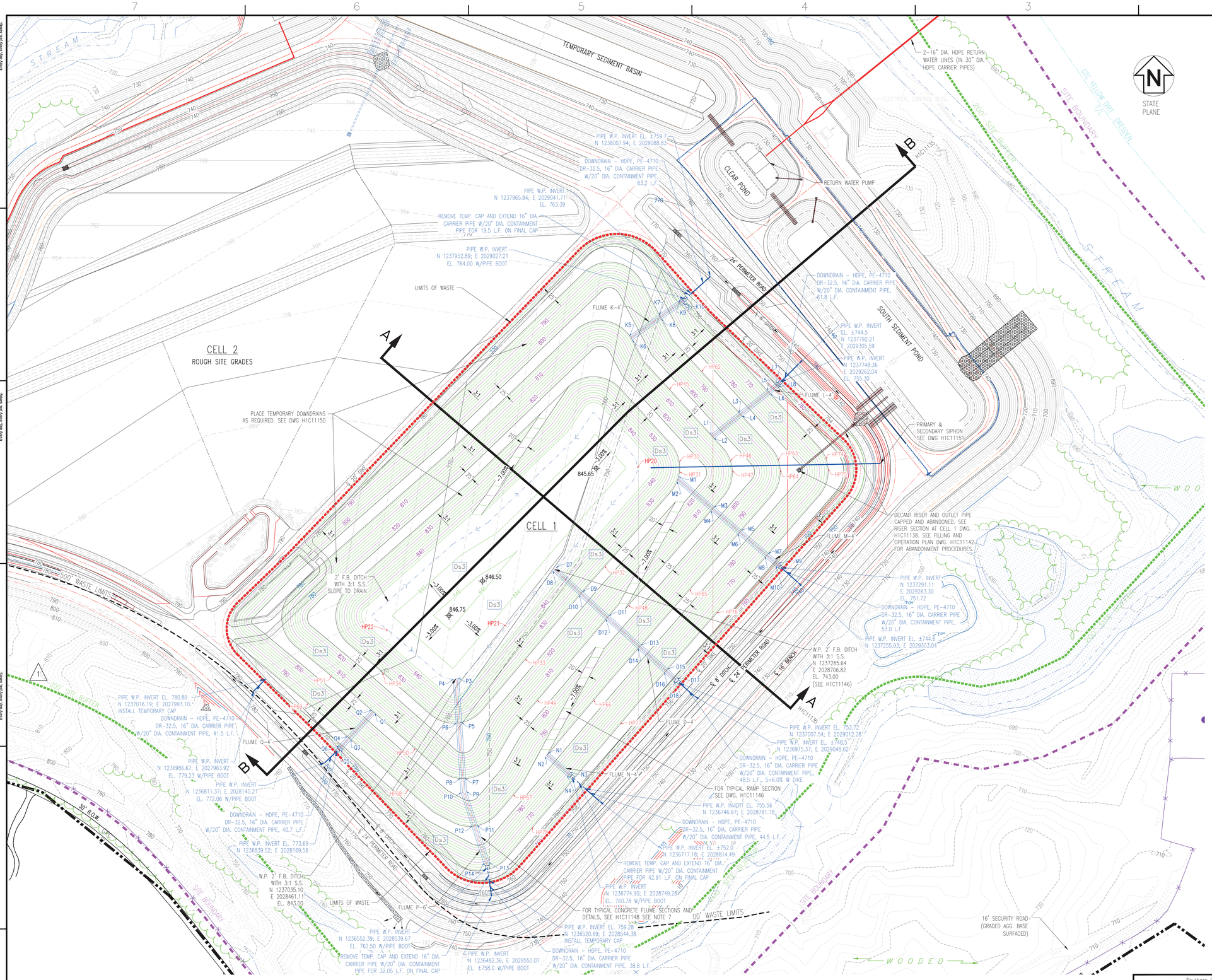
Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

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

REVISION	DATE	BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR
REVISED PROPERTY BUFFER AND NORTHERN BUFFER IMPACTS [BY HHNT, INC.]	10-10-2023	RSW	RBL					
CCR LF PERMIT APPLICATION [BY HHNT, INC.]	09-23-2022	ANR	RBL					

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

Acad2008 ANSI F: 40x28



LEGEND:

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

EROSION CONTROL LEGEND

- Ds.3 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 EARTHEN STRUCTURES ARE ENGINEERED TO WITHSTAND A HORIZONTAL ACCELERATION OF 0.17g.
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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.

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

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

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

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

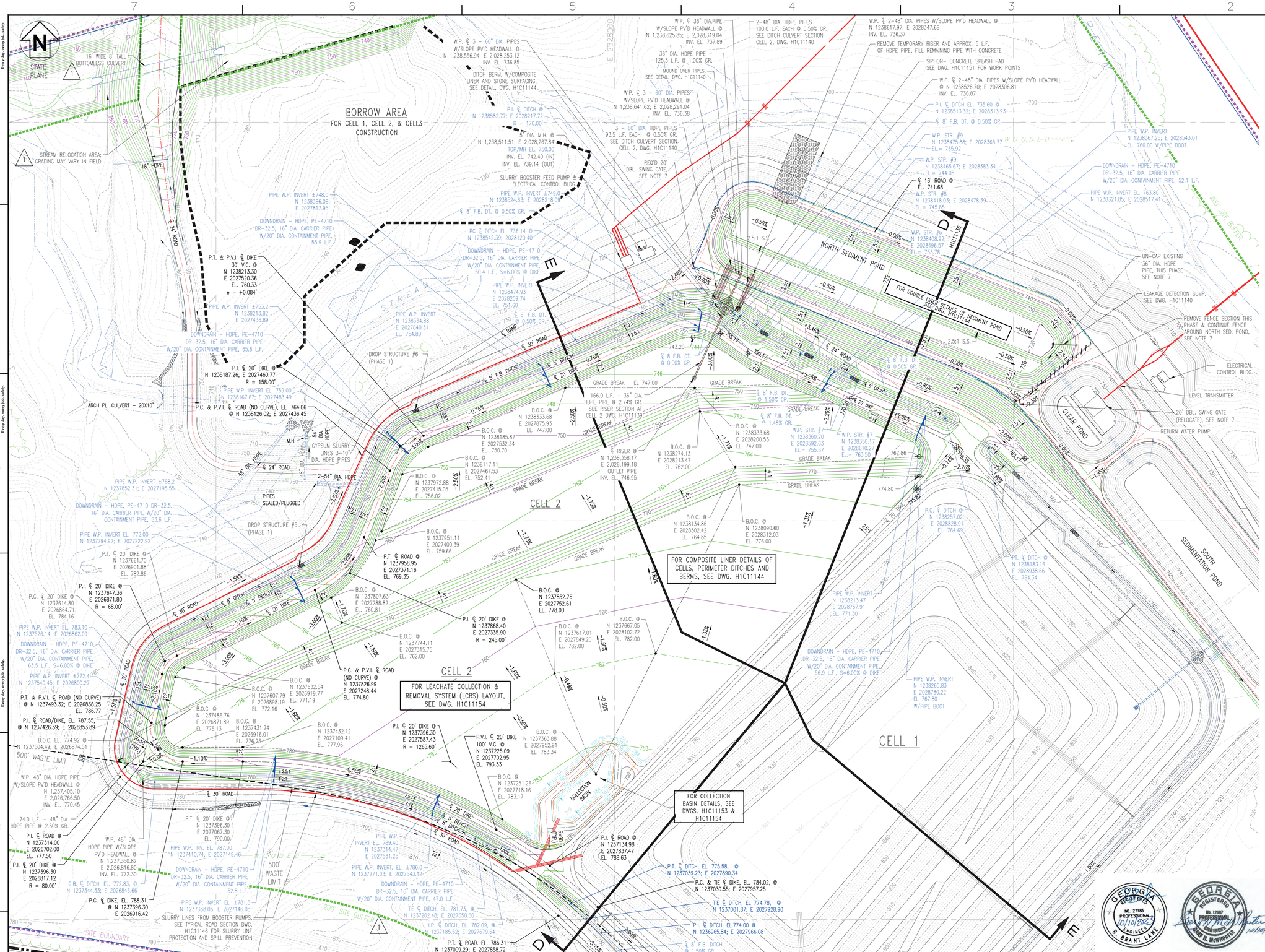
BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR
RSW	RBL					
ANR	RBL					

Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

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

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

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
- EXISTING GROUND CONTOURS
- FINAL GRADE CONTOURS
- EXISTING SECURITY FENCE
- PROPOSED SECURITY FENCE
- 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

NOTES:

1. ALL EARTHEN 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.
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. 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 10/10/2023 R. BRANT LAKE

GEORGIA REGISTERED No. 12687 PROFESSIONAL ENGINEER 10/10/2023 JOHN W. McWHORTER

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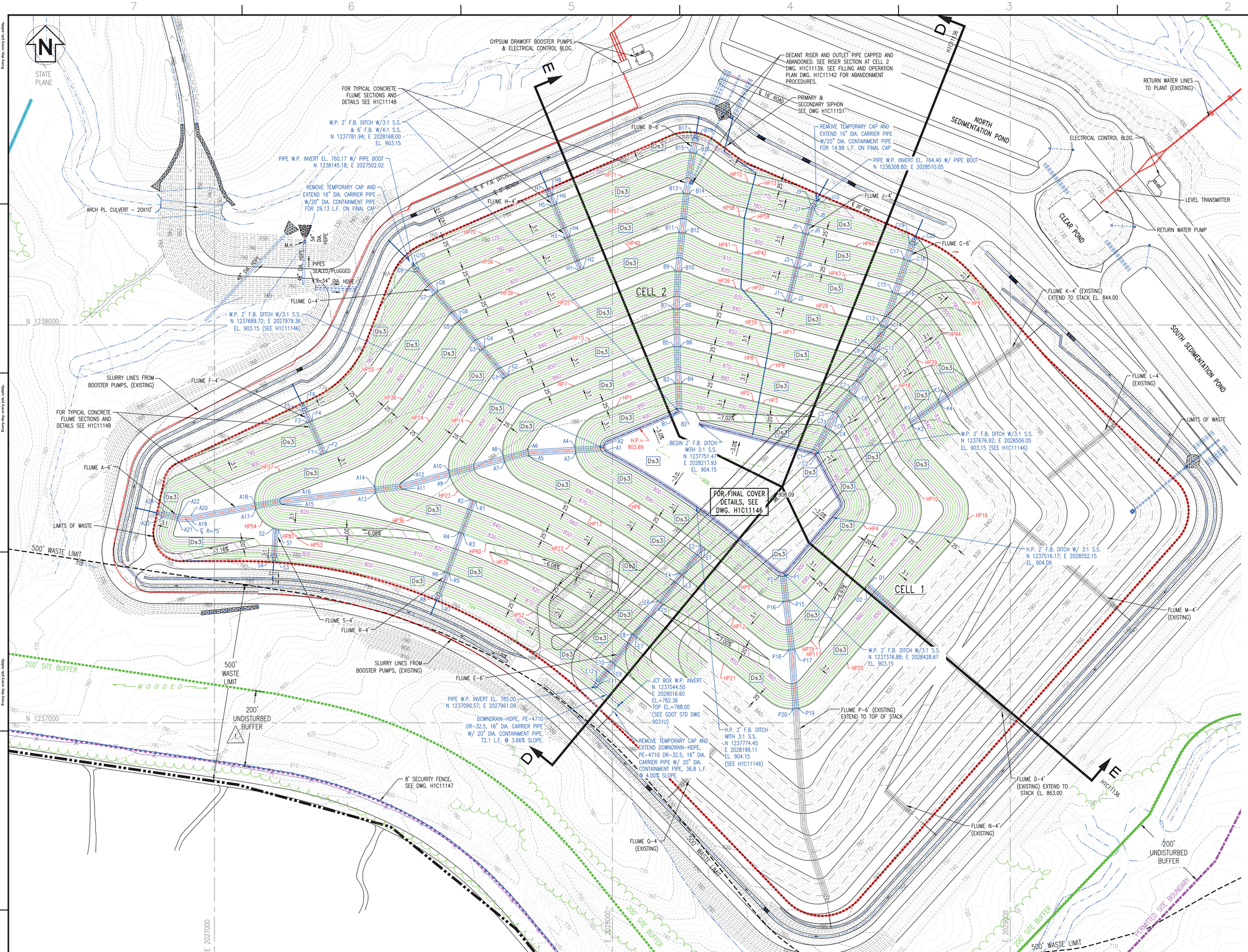
Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

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

REVISION	DATE	BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR
REVISION 1	DATE 10-10-2023	RSW	RBL					
REVISED PROPERTY BUFFER AND NORTHERN BUFFER IMPACTS [BY HHNT, INC.]								
REVISION 0	DATE 09-23-2022	ANR	RBL					
CCR LF PERMIT APPLICATION [BY HHNT, INC.]								

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

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
- 700 EXISTING GROUND CONTOURS
- 700 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 EARTHEN 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.

CLOSURE AREAS:

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

GEORGIA REGISTERED No. 12987 PROFESSIONAL ENGINEER GARY H. McWHORTER 10/10/2023

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

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

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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	BY	CHK'D
REVISION 1	DATE 10-10-2023	RSW	RBL
REVISION 0	DATE 09-23-2022	ANR	RBL

REVISED PROPERTY BUFFER AND NORTHERN BUFFER IMPACTS [BY HHNT, INC.]

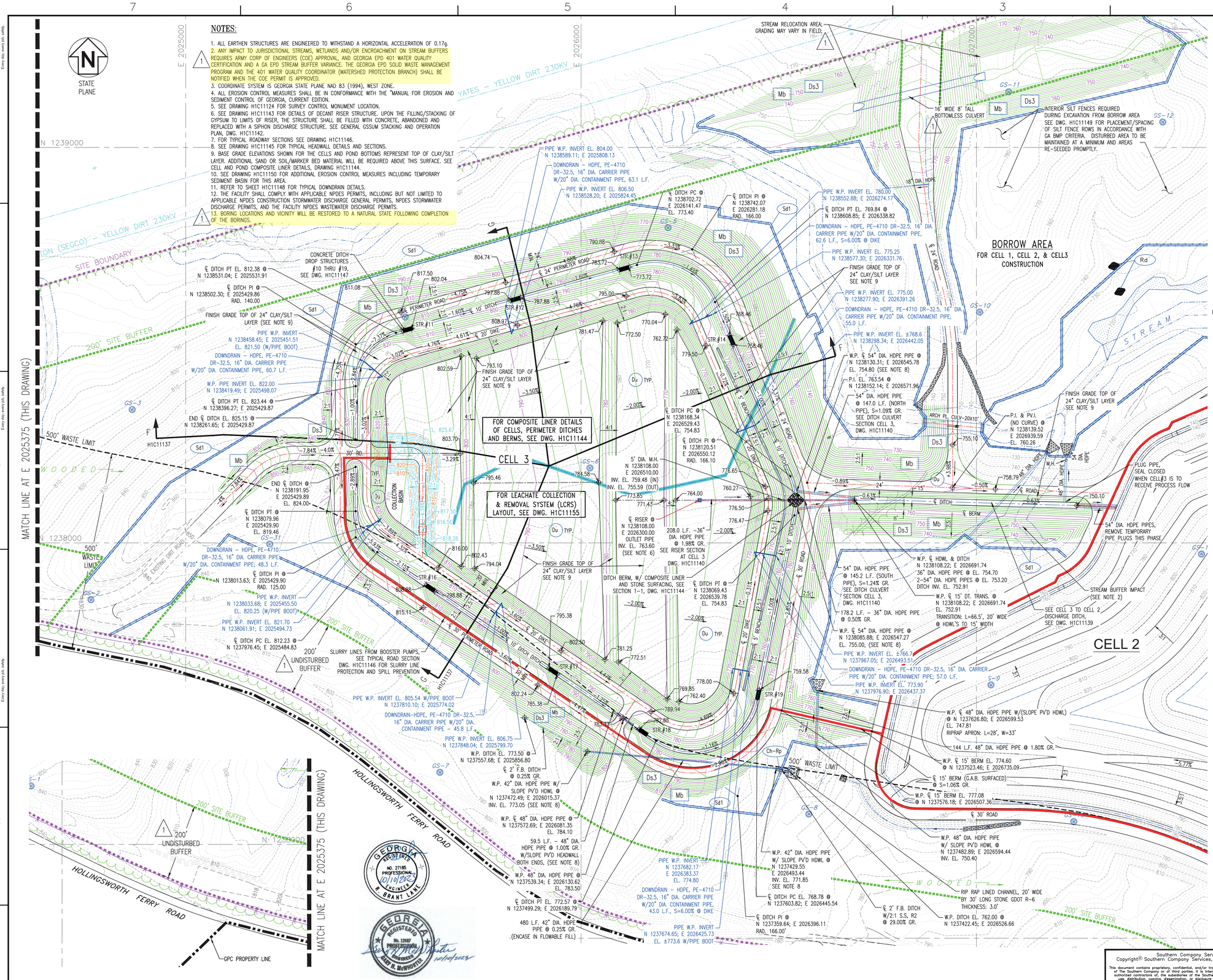
CCR LF PERMIT APPLICATION [BY HHNT, INC.]

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

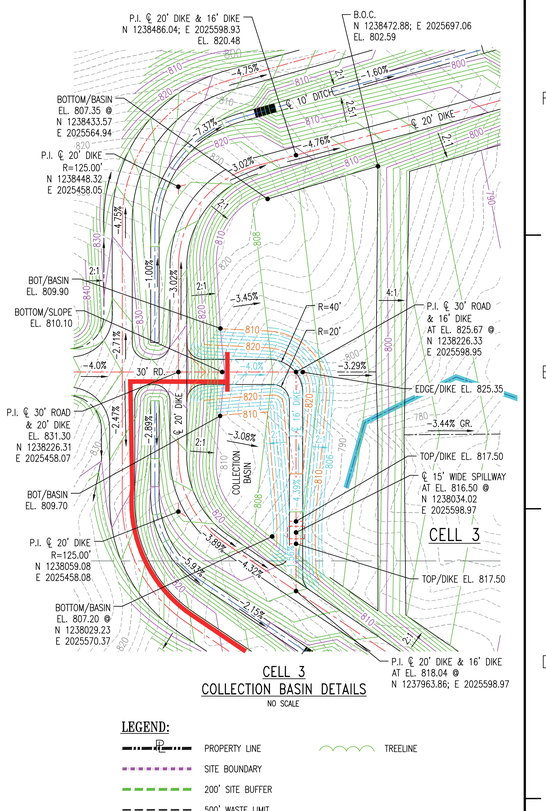
Acad2008 ANSI F: 40x28

NOTES:

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



NOTE:
FOR ADDITIONAL COLLECTION BASIN DETAILS, SEE SECTION THROUGH COLLECTION BASIN AT SLURRY LINE DISCHARGE, DWG. H1C11153



CELL 3 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
- 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 LEACHATE COLLECTION SYSTEM LAYOUT AND DETAILS

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

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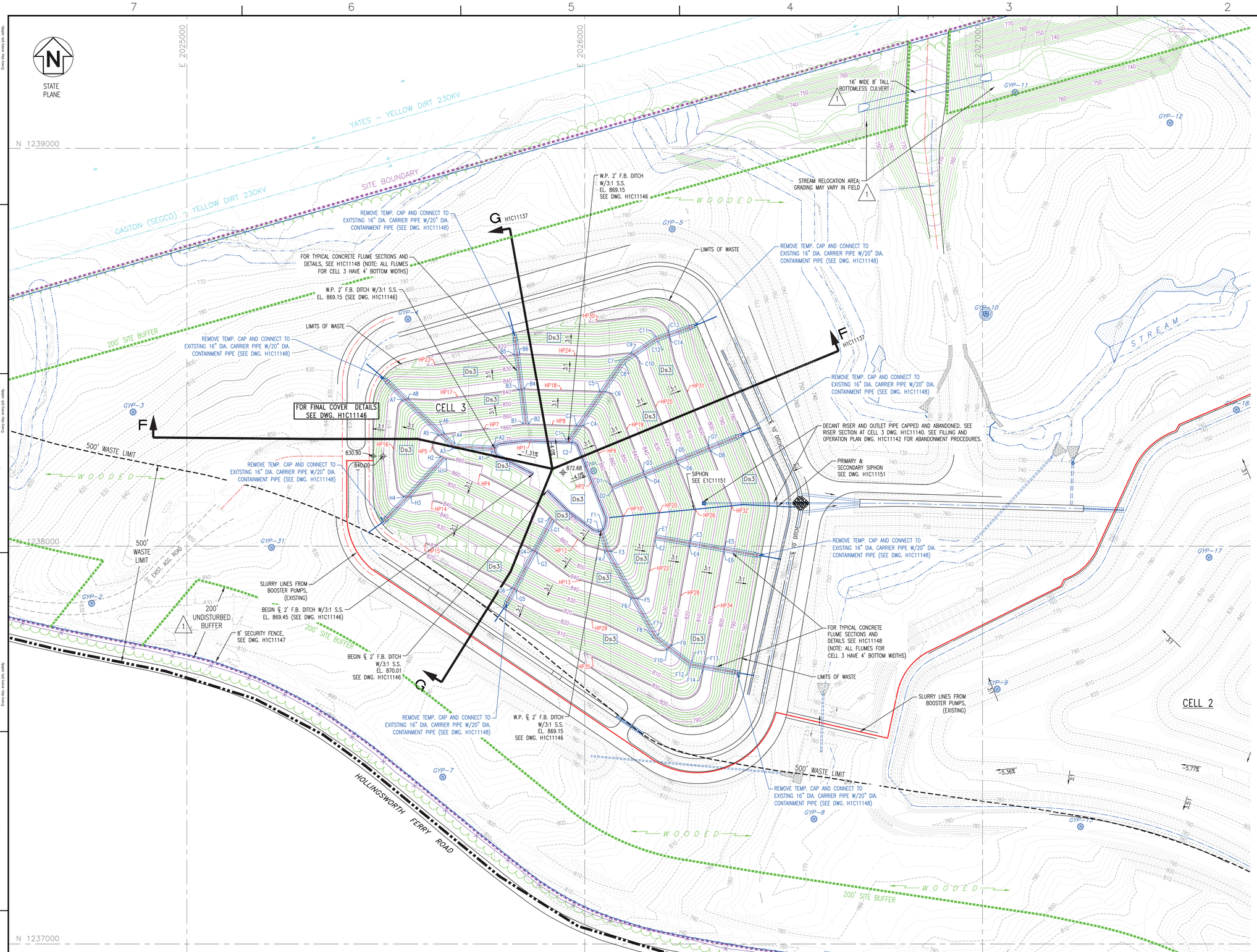
Southern Company Generation Engineering and Construction Services
FOR
Georgia Power Company

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

REVISION	DATE	BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR
REVISION 1	DATE 10-10-2023	RSW	RBL					
REVISED PROPERTY BUFFER AND NORTHERN BUFFER IMPACTS [BY HHNT, INC.]								
REVISION 0	DATE 09-23-2022	ANR	RBL					
CCR LF PERMIT APPLICATION [BY HHNT, INC.]								

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

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
- 700 EXISTING GROUND CONTOURS
- 700 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 EARTHEN STRUCTURES ARE ENGINEERED TO WITHSTAND A HORIZONTAL ACCELERATION OF 0.17g.
2. (1) 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. (1) BORING LOCATIONS AND VICINITY WILL BE RESTORED TO A NATURAL STATE FOLLOWING COMPLETION OF THE BORINGS.

GEORGIA REGISTERED No. 12087 PROFESSIONAL ENGINEER JOHN H. McWHORTER 10/10/2023

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

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

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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

REVISION	DATE	BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR
1	10-10-2023	RSW	RBL					
REVISED PROPERTY BUFFER AND NORTHERN BUFFER IMPACTS [BY HHNT, INC.]								
0	09-23-2022	ANR	RBL					
CCR LF PERMIT APPLICATION [BY HHNT, INC.]								

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

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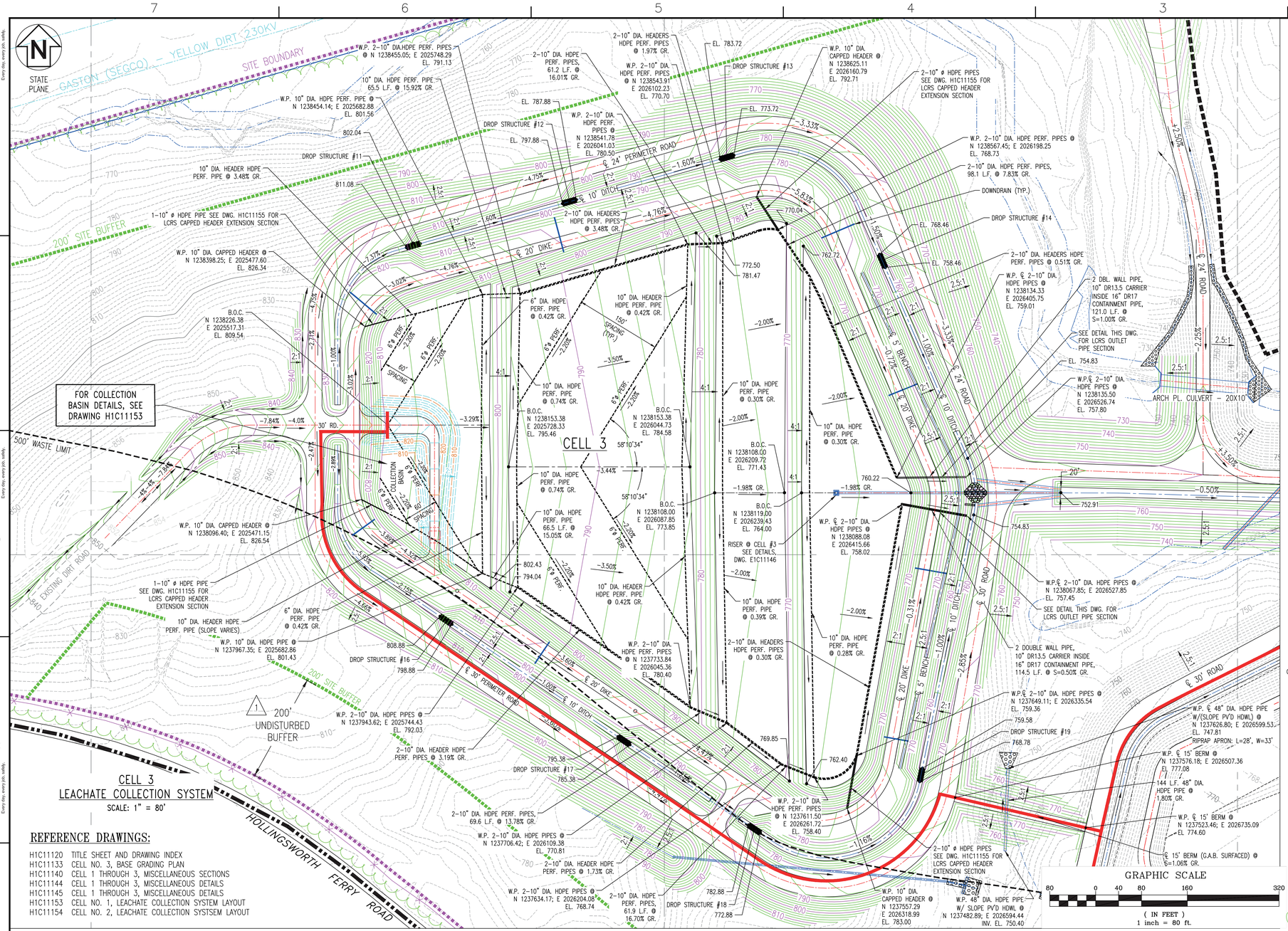
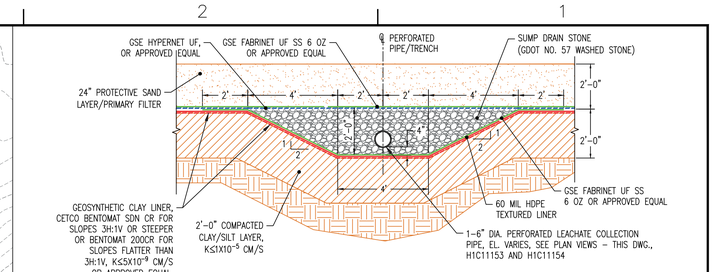


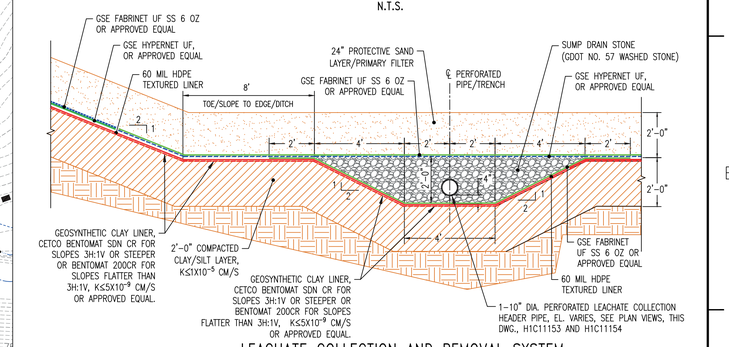
CELL 3
LEACHATE COLLECTION SYSTEM
SCALE: 1" = 80'

REFERENCE DRAWINGS:

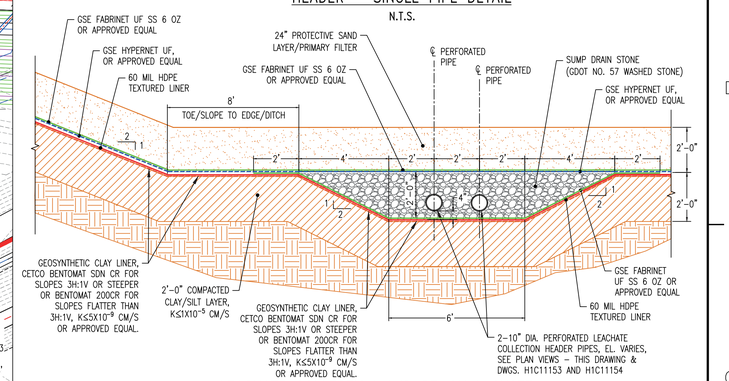
H1C11120	TITLE SHEET AND DRAWING INDEX
H1C11133	CELL NO. 3, BASE GRADING PLAN
H1C11140	CELL 1 THROUGH 3, MISCELLANEOUS SECTIONS
H1C11144	CELL 1 THROUGH 3, MISCELLANEOUS DETAILS
H1C11145	CELL 1 THROUGH 3, MISCELLANEOUS DETAILS
H1C11153	CELL NO. 1, LEACHATE COLLECTION SYSTEM LAYOUT
H1C11154	CELL NO. 2,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



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



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



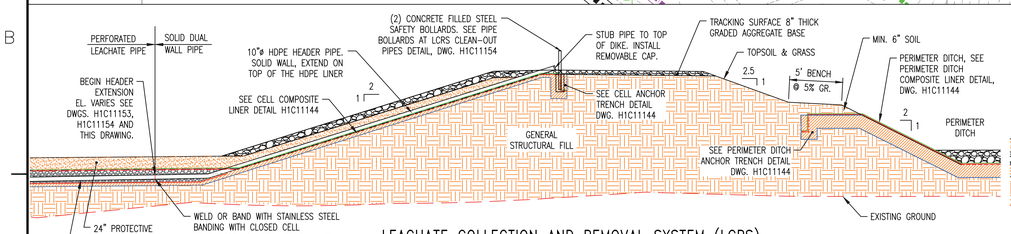
LEACHATE COLLECTION AND REMOVAL SYSTEM HEADER – DOUBLE PIPE DETAIL
N.T.S.

LEGEND:

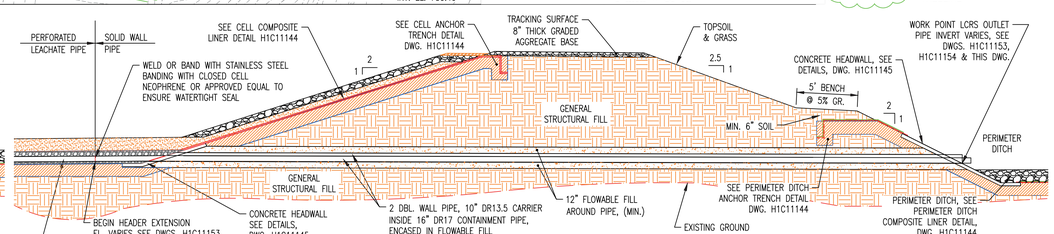
- SOLID WALL PIPE IN TRENCH
- PERFORATED PIPE IN TRENCH
- EXISTING GROUND CONTOURS
- FINAL GRADE CONTOURS
- SPOT ELEVATIONS
- DOWNDRAIN
- TREELINE

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



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



LEACHATE COLLECTION AND REMOVAL SYSTEM (LCRS) OUTLET PIPE SECTION
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REVISION	DATE	BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR
REVISION 1	DATE 10-10-2023	RSW	RBL					
REVISED PROPERTY BUFFER AND NORTHERN BUFFER IMPACTS [BY HHNT, INC.]								
REVISION 0	DATE 09-23-2022	ANR	RBL					
CCR LF PERMIT APPLICATION [BY HHNT, INC.]								

Southern Company Generation Engineering and Construction Services
FOR
Georgia Power Company

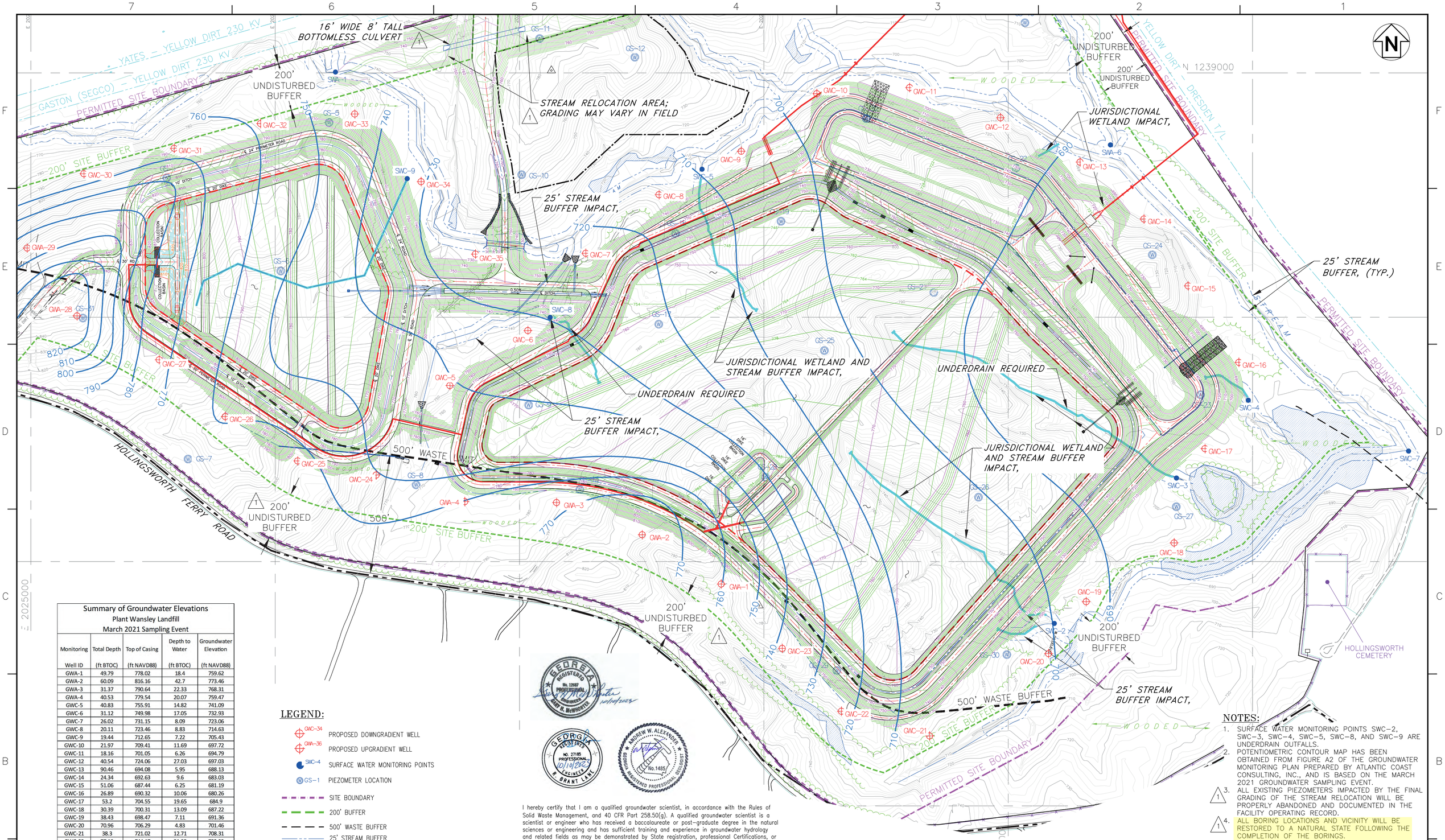
PLANT WANSLEY
COAL COMBUSTION BY–PRODUCT DISPOSAL FACILITY
GENERAL SITE DEVELOPMENT
CELL NO. 3
LEACHATE COLLECTION SYSTEM LAYOUT & DETAILS

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

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

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 12687 JERRY W. MCWHORTER 10/10/2023

Acad2008 ANSI F: 40x28



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 No. 12687 PROFESSIONAL ENGINEER BARR H. McWHORTER 10/10/2023

GEORGIA REGISTERED NO. 27185 PROFESSIONAL ENGINEER R. GRANT 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: A. Alexander

Date: 2023-10-06

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

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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

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