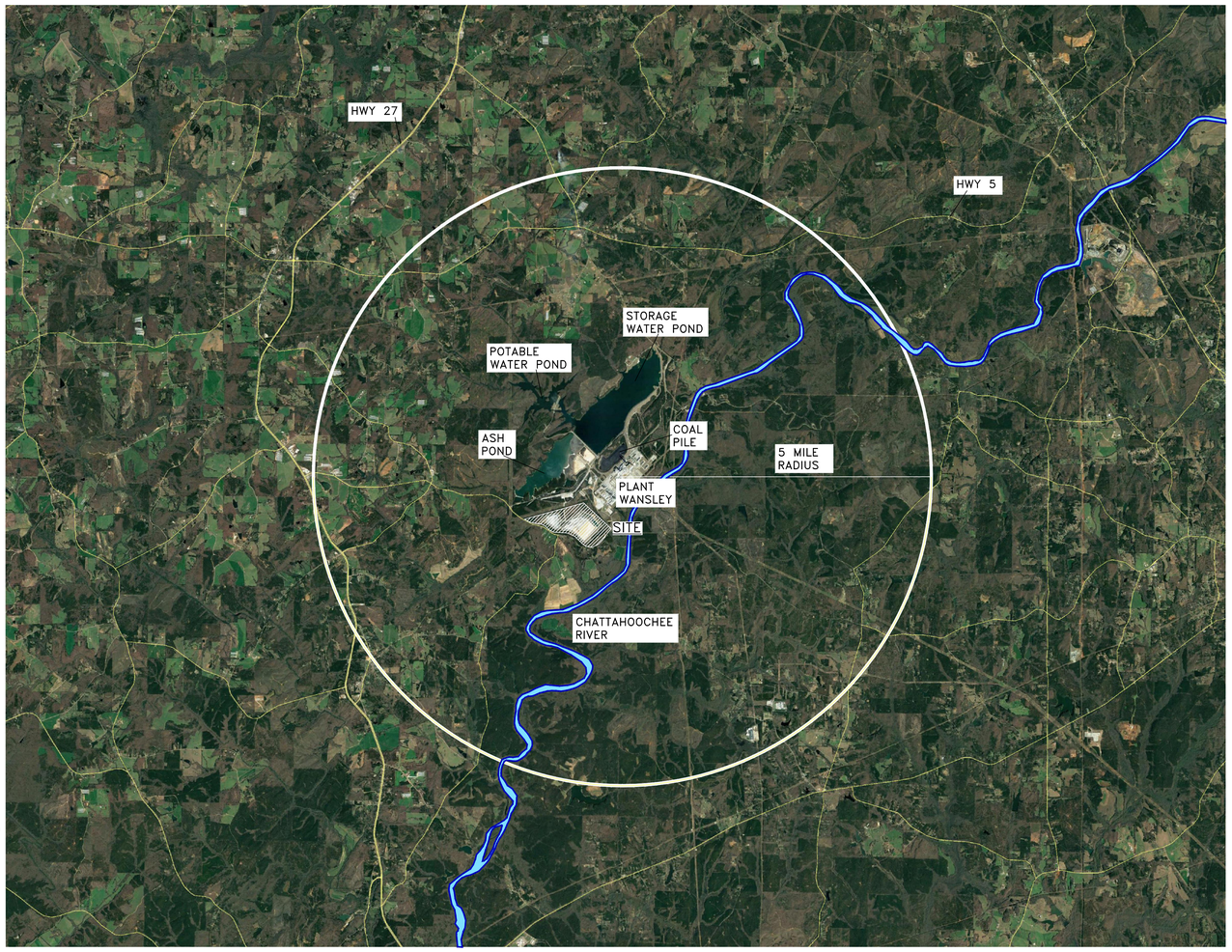
GEORGIA POWER COMPANY

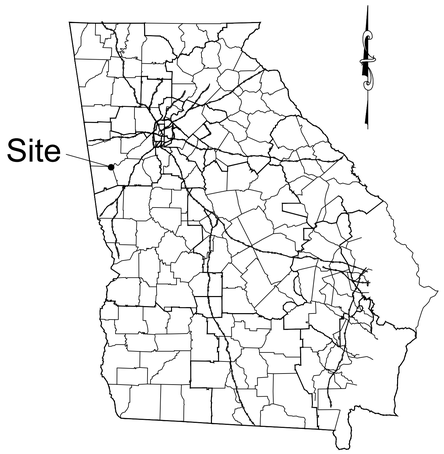
PLANT WANSLEY
COAL COMBUSTION RESIDUALS (CCR) LANDFILL
PERMIT DRAWINGS
HEARD COUNTY, GEORGIA
AUGUST 2023

DRAWING INDEX:

H1C11120	TITLE SHEET AND DRAWING INDEX
H1C11121	PERMITTED SITE BOUNDARY, PLAT AND LEGAL DESCRIPTION
H1C11122	SITE TOPOGRAPHIC SURVEY
H1C11123	SITE STREAM & WETLAND BUFFERS, 100yr FLOOD PLAIN, & BORING LOCATIONS
H1C11124	GENERAL SITE DEVELOPMENT, CELL LAYOUT
H1C11125	CELL NO. 1 SITE DEVELOPMENT, BASE GRADE PLAN
H1C11126	CELL NO. 2 SITE DEVELOPMENT, ROUGH GRADE/BORROW PLAN (1)
H1C11130	CELL NO. 1 SITE DEVELOPMENT, FINAL STACKING PLAN
H1C11131	CELL NO. 2 SITE DEVELOPMENT, BASE GRADING PLAN
H1C11132	CELL NOS. 1 & 2 COMBINED, FINAL STACKING PLAN
H1C11133	CELL NO. 3 SITE DEVELOPMENT, BASE GRADE PLAN
H1C11134	CELL NO. 3, FINAL STACKING PLAN
H1C11135	CELL NO. 1 SECTIONS THRU STACK
H1C11136	CELL NO. 2 SECTIONS THRU STACK
H1C11137	CELL NO. 3 SECTIONS THRU STACK
H1C11138	CELL 1 THROUGH CELL 3, MISCELLANEOUS SECTIONS, SHEET 1
H1C11139	CELL 1 THROUGH CELL 3, MISCELLANEOUS SECTIONS, SHEET 2
H1C11140	CELL 1 THROUGH CELL 3, MISCELLANEOUS SECTIONS, SHEET 3
H1C11141	CELL NO. 1 AND CELL NO. 2 SEDIMENT POND SPILLWAY, SECTIONS AND DETAILS
H1C11142	GENERAL GYPSUM STACKING, OPERATION PLAN
H1C11143	CELL 1 THROUGH CELL 3, MISCELLANEOUS DETAILS, SHEET 1
H1C11144	CELL 1 THROUGH CELL 3, MISCELLANEOUS DETAILS, SHEET 2
H1C11145	CELL 1 THROUGH CELL 3, MISCELLANEOUS DETAILS, SHEET 3
H1C11146	CELL 1 THROUGH CELL 3, MISCELLANEOUS SECTIONS AND DETAILS, SHEET 1
H1C11147	CELL 1 THROUGH CELL 3, MISCELLANEOUS SECTIONS AND DETAILS, SHEET 2
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
H1C11154	GENERAL SITE DEVELOPMENT, CELL NO. 2, LEACHATE COLLECTION SYSTEM LAYOUT
H1C11155	GENERAL SITE DEVELOPMENT, CELL NO. 3, LEACHATE COLLECTION SYSTEM LAYOUT & DETAILS
H1C11160	GEOLOGIC CROSS-SECTIONS A-A AND B-B
H1C11161	POTENTIOMETRIC SURFACE MAP, 11/17/2006
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 9/1/23

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

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.

Southern Company Services, Inc.
Copyright© Southern Company Services, Inc. All Rights Reserved

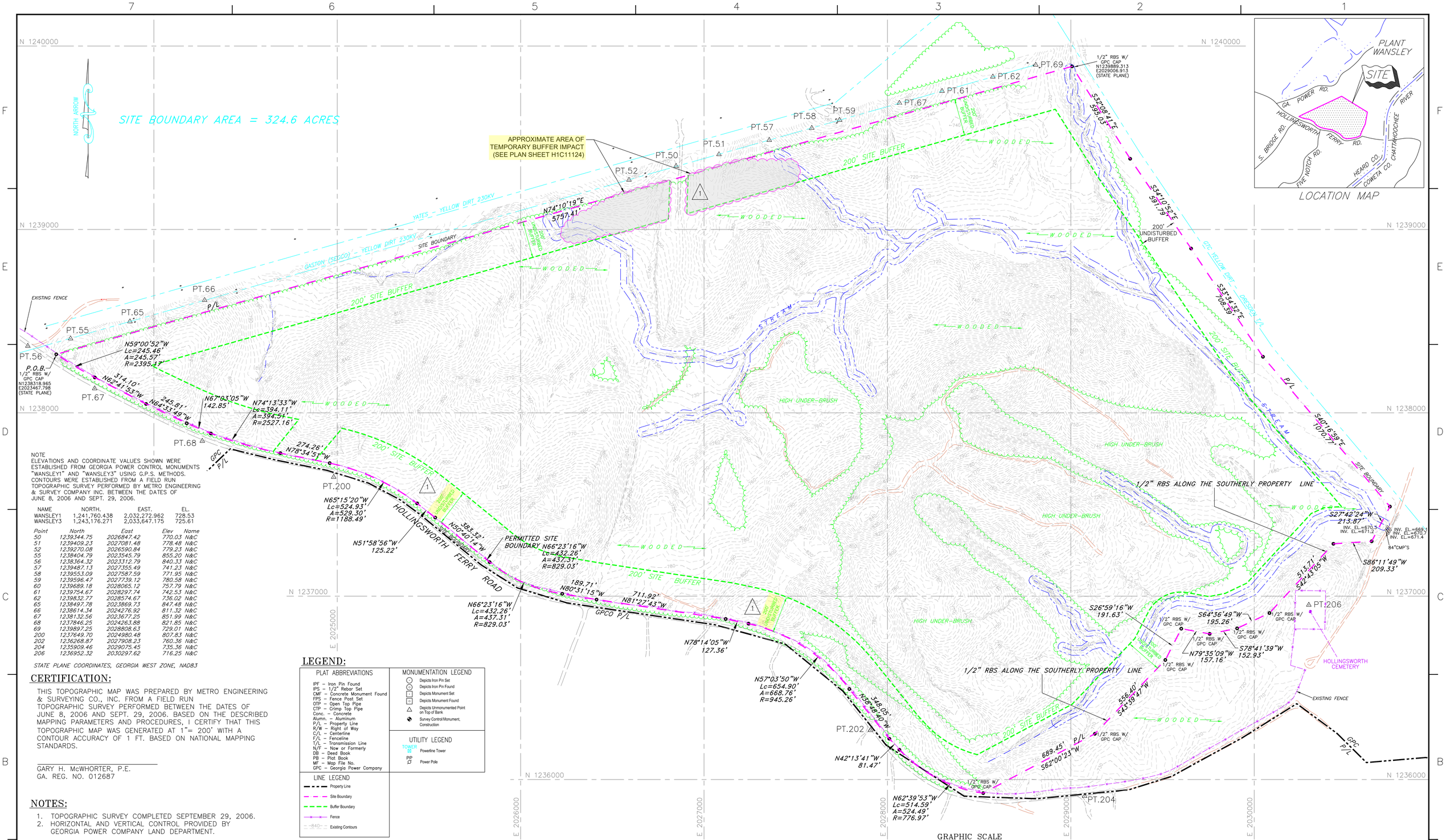
REVISION	DATE	BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR
1	8-30-2023	RSW	RBL					
REVISED PROPERTY BUFFER AND NORTHERN BUFFER IMPACTS, REMOVED SECURITY ROAD PLAN AND PROFILE SHEETS, DRAWINGS H1C11127 AND H1C11128 [BY HHNT, INC.]								
0	09-23-2022	ANR	RBL					
CCR LF PERMIT APPLICATION [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



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

TOWER – Powerline Tower
PP – Power Pole

LINE LEGEND

Property Line
Site Boundary
Buffer Boundary
Fence
840 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

Southern Company Services, Inc.
Copyright© Southern Company Services, Inc. All Rights Reserved

Southern Company Generation Engineering and Construction Services
FOR
Georgia Power Company

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

REVISION	DATE	BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR
1	8-30-2023	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	PROJ I.D.	DRAWING NUMBER	SHEET	CONT'D	REV
AS SHOWN	010209	H1C11122	1	FINAL	1

ANSI F: 40x28 Acad2008

SITE BOUNDARY AREA = 324.6 ACRES

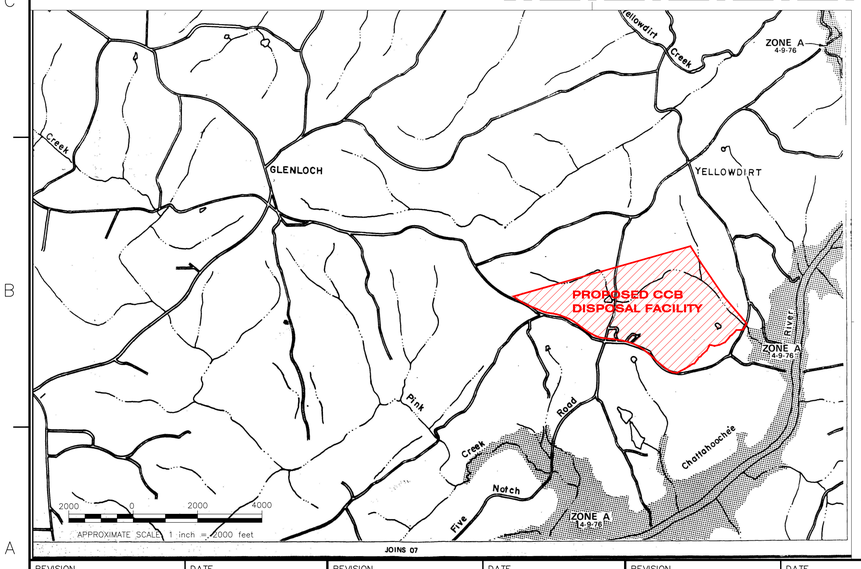
NORTH ARROW

LEGEND:

LINE LEGEND
- Property Line
- Site Boundary
- Buffer Boundary
- Limits of Waste
- 500' Waste Limit
- 25' Wetland / Stream Buffer
- Wetland
- Fence
- Existing Contours
- GS-1 Bore Hole/Piezometer Location

APPROXIMATE AREA OF TEMPORARY BUFFER IMPACT (SEE PLAN SHEET H1C11124)

LOCATION MAP



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

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 12687 BARR M. McWHORTER 8/31/23

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

FLOOD NOTE:
THIS SITE IS NOT WITHIN A 100-YEAR FLOOD HAZARD AREA AS PER HEARD COUNTY DEPARTMENT OF HOUSING & DEVELOPMENT COMMUNITY PANEL #1301050003 LAST REVISED 8/04/1986

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 Services, Inc.
Copyright© Southern Company Services, Inc. All Rights Reserved

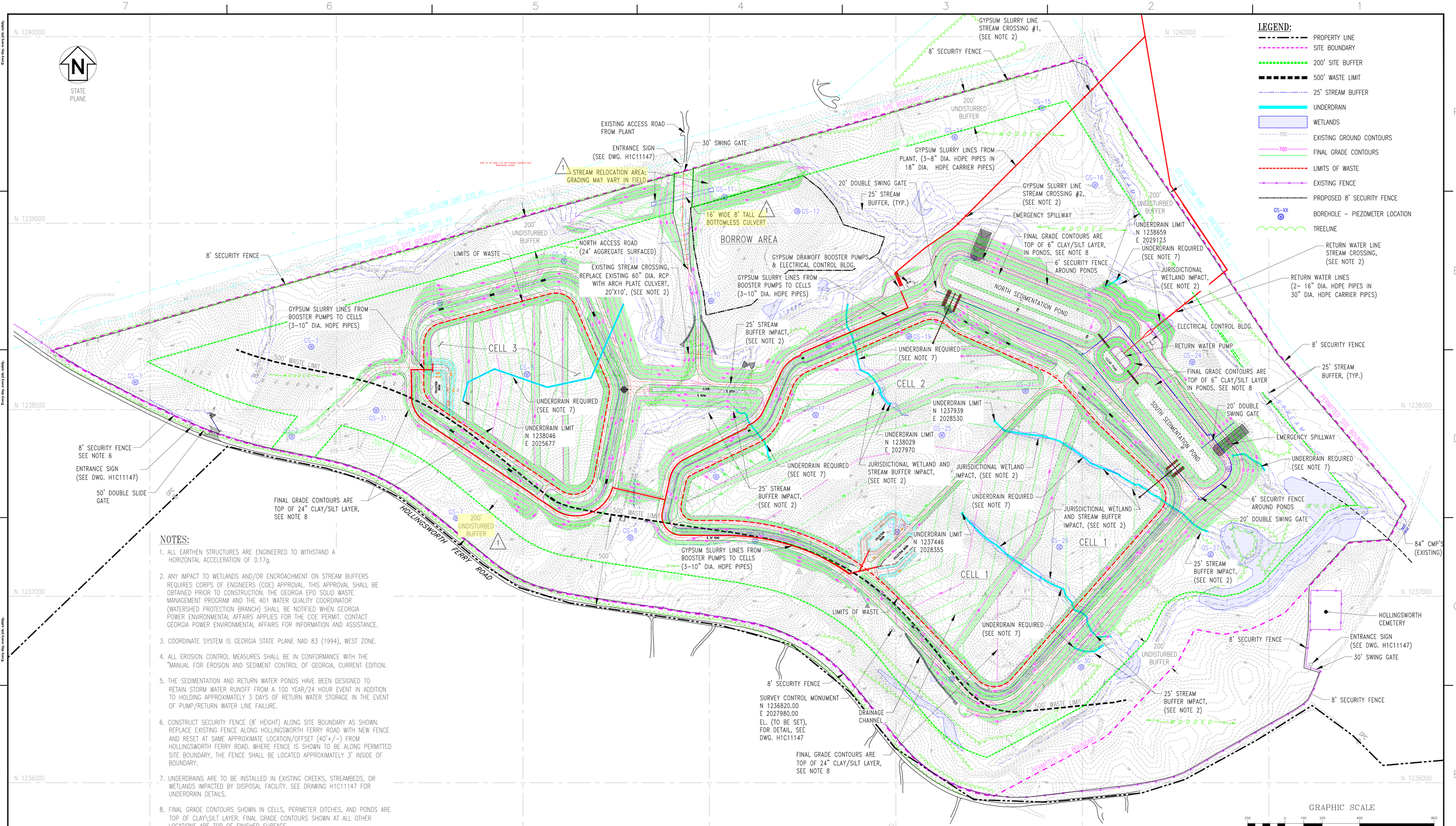
Southern Company Generation Engineering and Construction Services
FOR
Georgia Power Company

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

REVISION	DATE	BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR
1	8-30-2023	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	PROJ I.D.	DRAWING NUMBER	SHEET	CONT'D	REV
AS SHOWN	010209	H1C11123	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 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. 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.

REFERENCE DRAWINGS:

H1C11120 TITLE SHEET AND DRAWING INDEX

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

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

Southern Company Services, Inc.
Copyright© Southern Company Services, Inc. All Rights Reserved
This document contains proprietary, confidential, and/or trade secret information of the subsidiaries of The Southern Company or of third parties. It is intended for use only by employees of, or authorized contractors of, the subsidiaries of the Southern Company. Unauthorized possession, use, distribution, copying, dissemination, or disclosure of any portion hereof is prohibited.

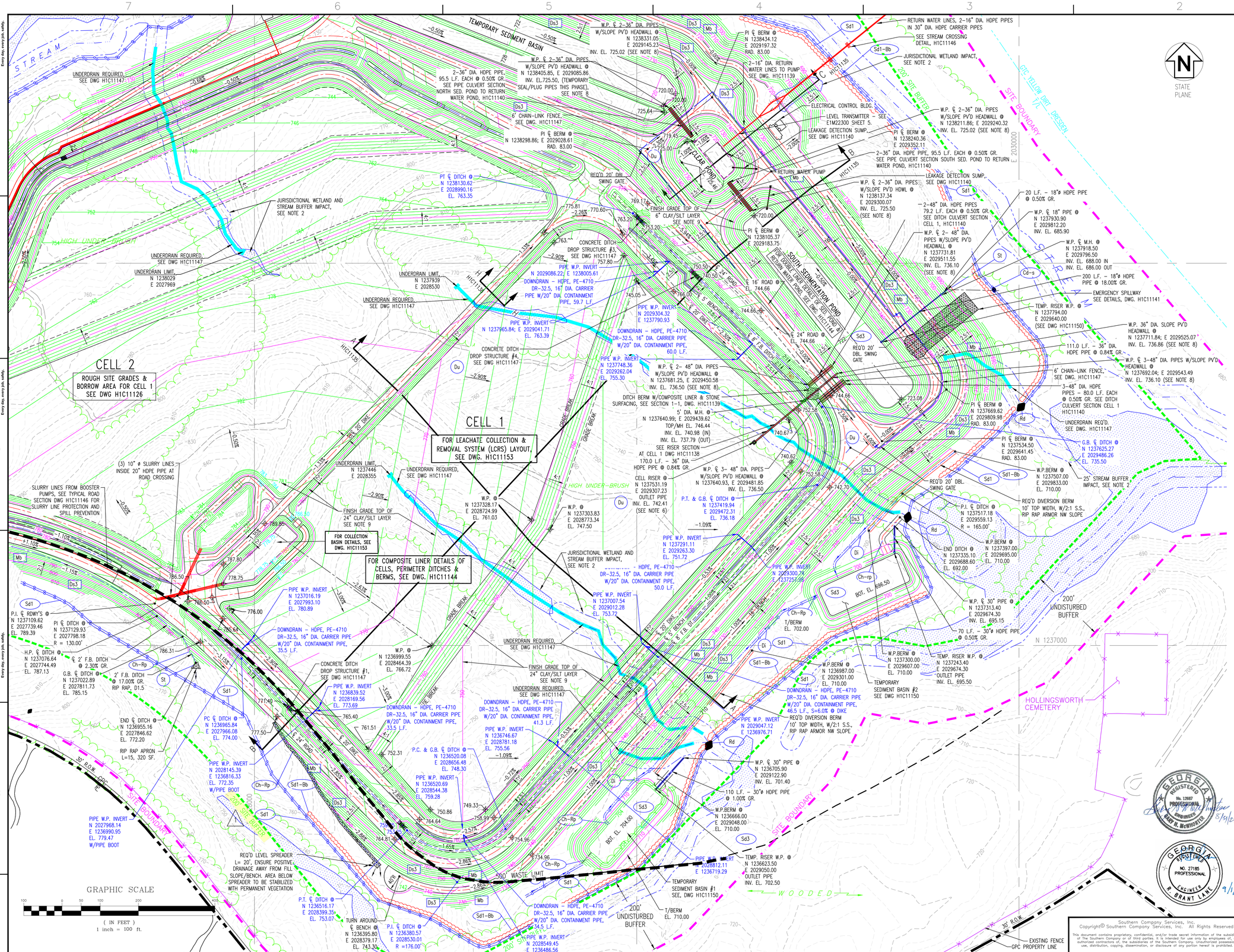
Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

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 8-30-2023	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 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. 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 No. 13087 PROFESSIONAL ENGINEER GARY M. McWHORTER 8/31/23

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

Southern Company Services, Inc.
Copyright© Southern Company Services, Inc. All Rights Reserved
This document contains proprietary, confidential, and/or trade secret information of the subsidiaries of The Southern Company or of third parties. It is intended for use only by employees of, or authorized contractors of, the subsidiaries of the Southern Company. Unauthorized possession, use, distribution, copying, dissemination, or disclosure of any portion hereof is prohibited.

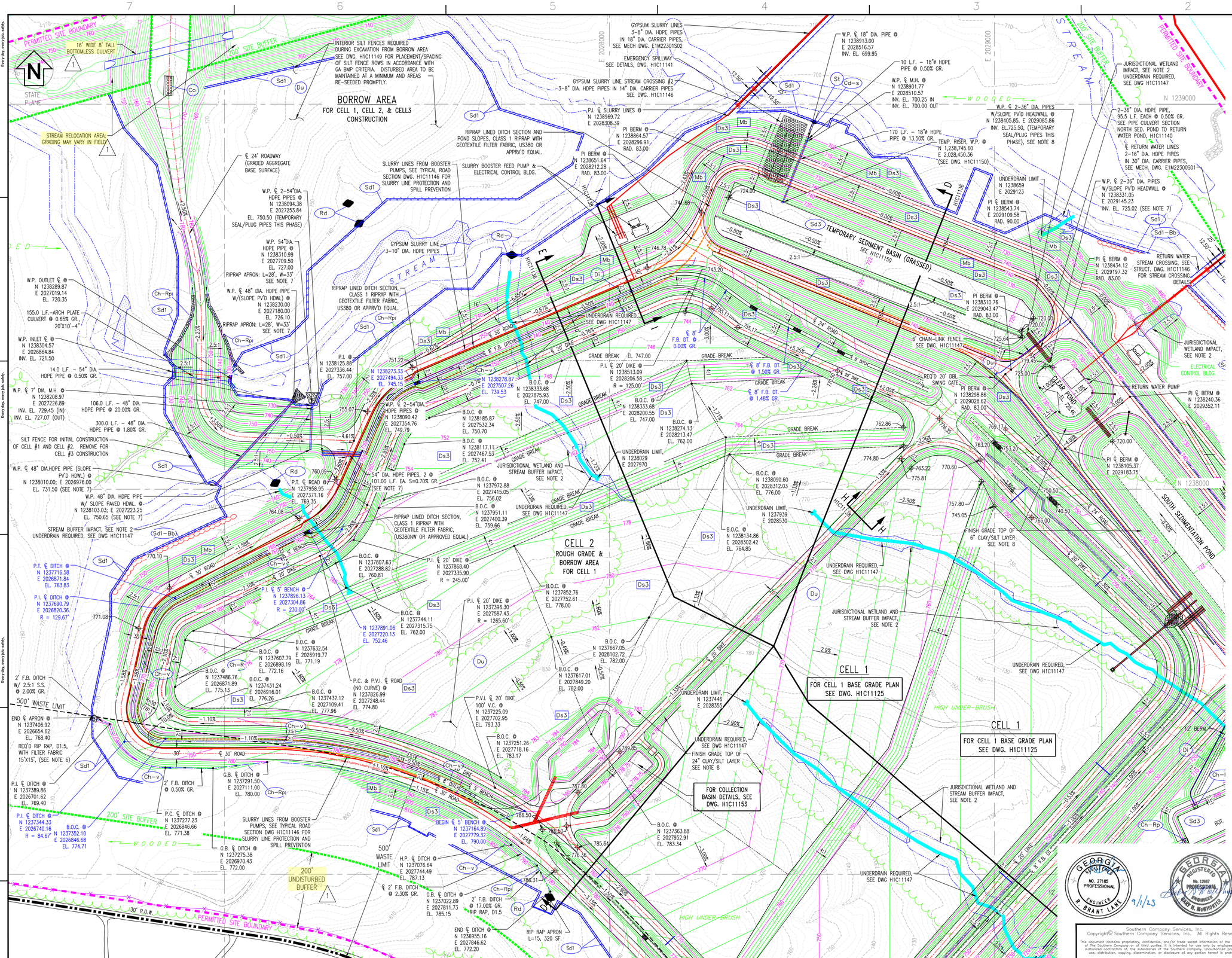
Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

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	DATE 8-30-2023	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'	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 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. 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.

GRAPHIC SCALE

(IN FEET)
1 inch = 100 ft.

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

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

Southern Company Services, Inc.
Copyright© Southern Company Services, Inc. All Rights Reserved
This document contains proprietary, confidential, and/or trade secret information of the subsidiaries of The Southern Company or of third parties. It is intended for use only by employees of, or authorized contractors of, the subsidiaries of the Southern Company. Unauthorized possession, use, distribution, copying, dissemination, or disclosure of any portion hereof is prohibited.

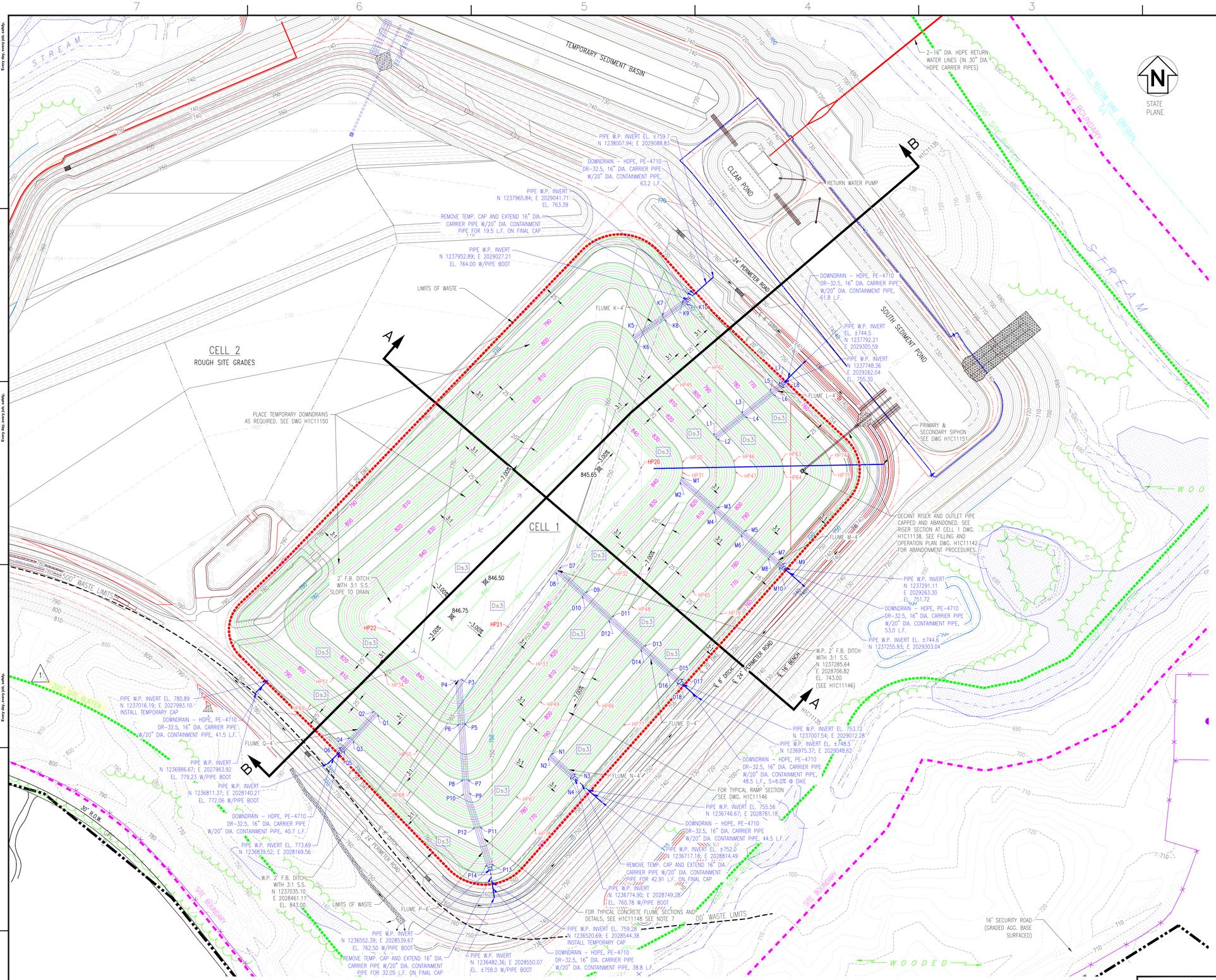
Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

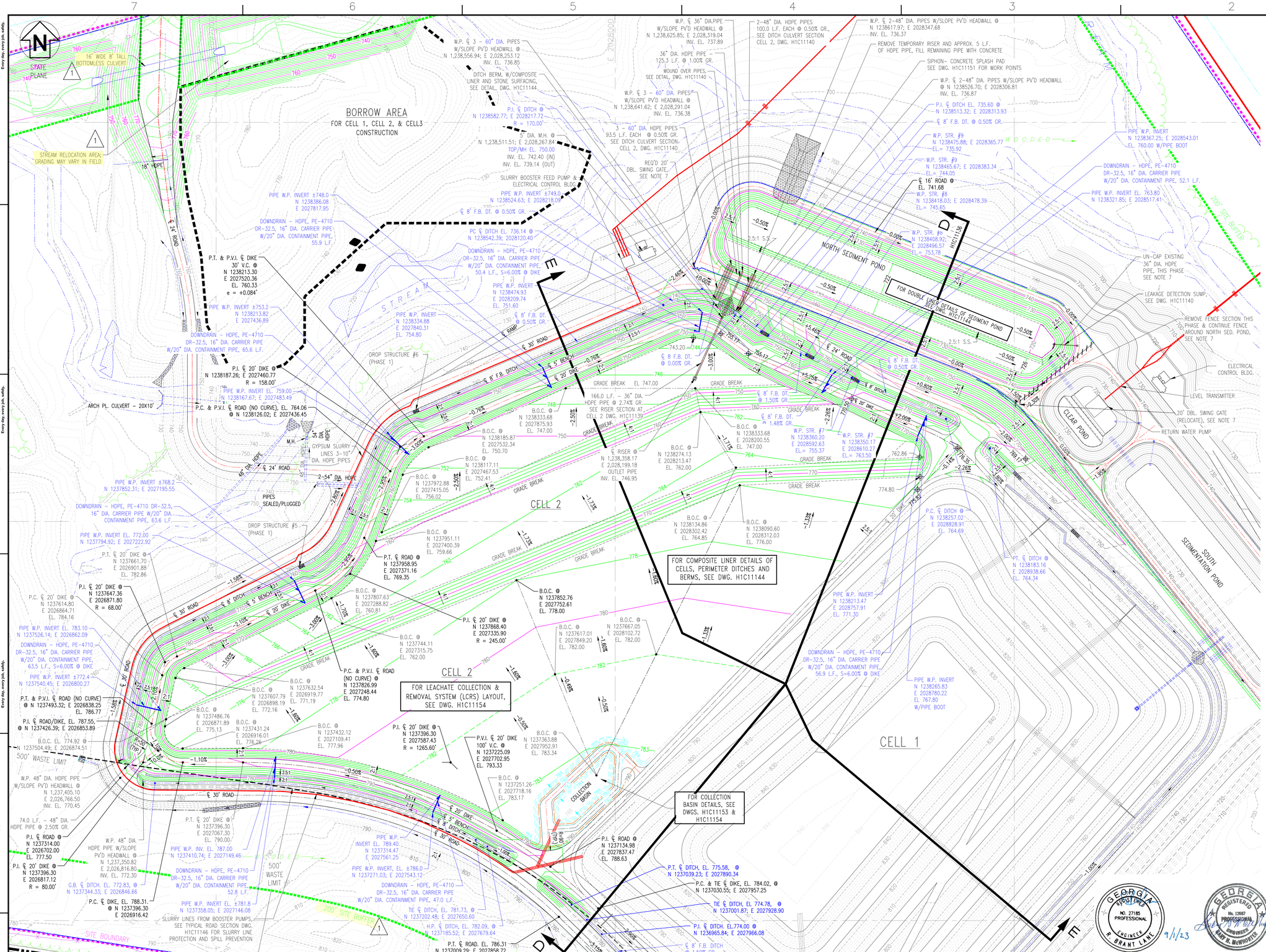
PLANT WANSLEY
COAL COMBUSTION RESIDUALS (CCR) LANDFILL
CELL NO.2 SITE DEVELOPMENT
ROUGH GRADE/BORROW PLAN

REVISION	DATE	BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR
1	8-30-2023	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'	H1C11126	1	FINAL	1

Acad2008 ANSI F: 40x28


TEMPORARY SEDIMENT BASIN
STREAM
CLEAR POND
RETURN WATER PUMP
2-16" DIA. HDPE RETURN WATER LINES (IN 30" DIA. HDPE CARRIER PIPES)
SITE BOUNDARY
200' SITE BUFFER
GTC YELLOW DIRT DRIVEWAY
PIPE W.P. INVERT EL. ±759.7 N 1238007.94; E 2029088.83
DOWNDRAIN - HDPE, PE-4710 DR-32.5, 16" DIA. CARRIER PIPE W/20" DIA. CONTAINMENT PIPE, 63.2 L.F.
PIPE W.P. INVERT N 1237965.84; E 2029041.71 EL. 763.39
REMOVE TEMP. CAP AND EXTEND 16" DIA. CARRIER PIPE W/20" DIA. CONTAINMENT PIPE FOR 19.5 L.F. ON FINAL CAP
PIPE W.P. INVERT N 1237952.89; E 2029027.21 EL. 764.00 W/PIPE BOOT
LIMITS OF WASTE
24' PERIMETER ROAD
FLUME K-4
CELL 2
ROUGH SITE GRADES
PLACE TEMPORARY DOWNDRAINS AS REQUIRED. SEE DWG H1C11150
DOWNDRAIN - HDPE, PE-4710 DR-32.5, 16" DIA. CARRIER PIPE W/20" DIA. CONTAINMENT PIPE, 61.8 L.F.
PIPE W.P. INVERT EL. ±744.5 N 1237792.21 E 2029305.59
PIPE W.P. INVERT N 1237748.36 E 2029262.04 EL. 755.30
SOUTH SEDIMENT POND
FLUME L-4
PRIMARY & SECONDARY SIPHON SEE DWG H1C11151
DECANT RISER AND OUTLET PIPE CAPPED AND ABANDONED. SEE RISER SECTION AT CELL 1 DWG. H1C11138. SEE FILLING AND OPERATION PLAN DWG. H1C11142 FOR ABANDONMENT PROCEDURES
FLUME M-4
PIPE W.P. INVERT N 1237291.11 E 2029263.30 EL. 751.72
DOWNDRAIN - HDPE, PE-4710 DR-32.5, 16" DIA. CARRIER PIPE W/20" DIA. CONTAINMENT PIPE, 53.0 L.F.
PIPE W.P. INVERT EL. ±744.6 N 1237255.93; E 2029303.04
CELL 1
845.65
846.50
846.75
2' F.B. DITCH WITH 3:1 S.S. SLOPE TO DRAIN
-1.00%
-1.00%
-1.00%



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 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. 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.

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

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

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

Southern Company Services, Inc.
Copyright© Southern Company Services, Inc. All Rights Reserved
This document contains proprietary, confidential, and/or trade secret information of the subsidiaries of The Southern Company or of third parties. It is intended for use only by employees of, or authorized contractors of, the subsidiaries of the Southern Company. Unauthorized possession, use, distribution, copying, dissemination, or disclosure of any portion hereof is prohibited.

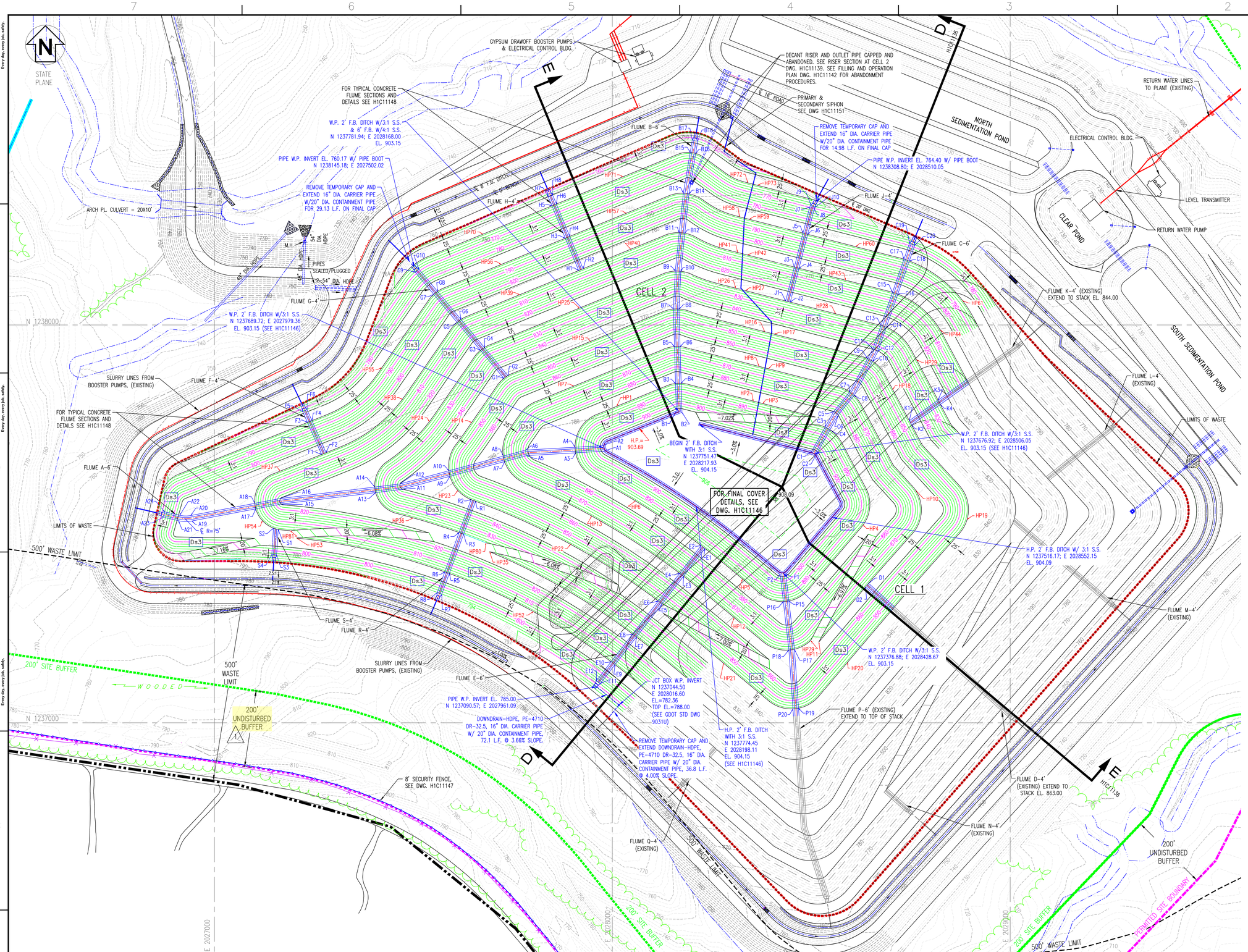
Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

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
1	8-30-2023	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'	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 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. 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 PROFESSIONAL ENGINEER No. 27185 R. BRANT LANE 9/1/23

GEORGIA REGISTERED PROFESSIONAL ENVIRONMENTAL ENGINEER No. 12687 BARRY N. McWHORTER 8/31/23

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

Southern Company Services, Inc.
Copyright© Southern Company Services, Inc. All Rights Reserved
This document contains proprietary, confidential, and/or trade secret information of the subsidiaries of The Southern Company, or of third-parties. Intended for use only by employees of, or authorized contractors of, the subsidiaries of the Southern Company. Unauthorized possession, use, distribution, copying, dissemination, or disclosure of any portion hereof is prohibited.

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

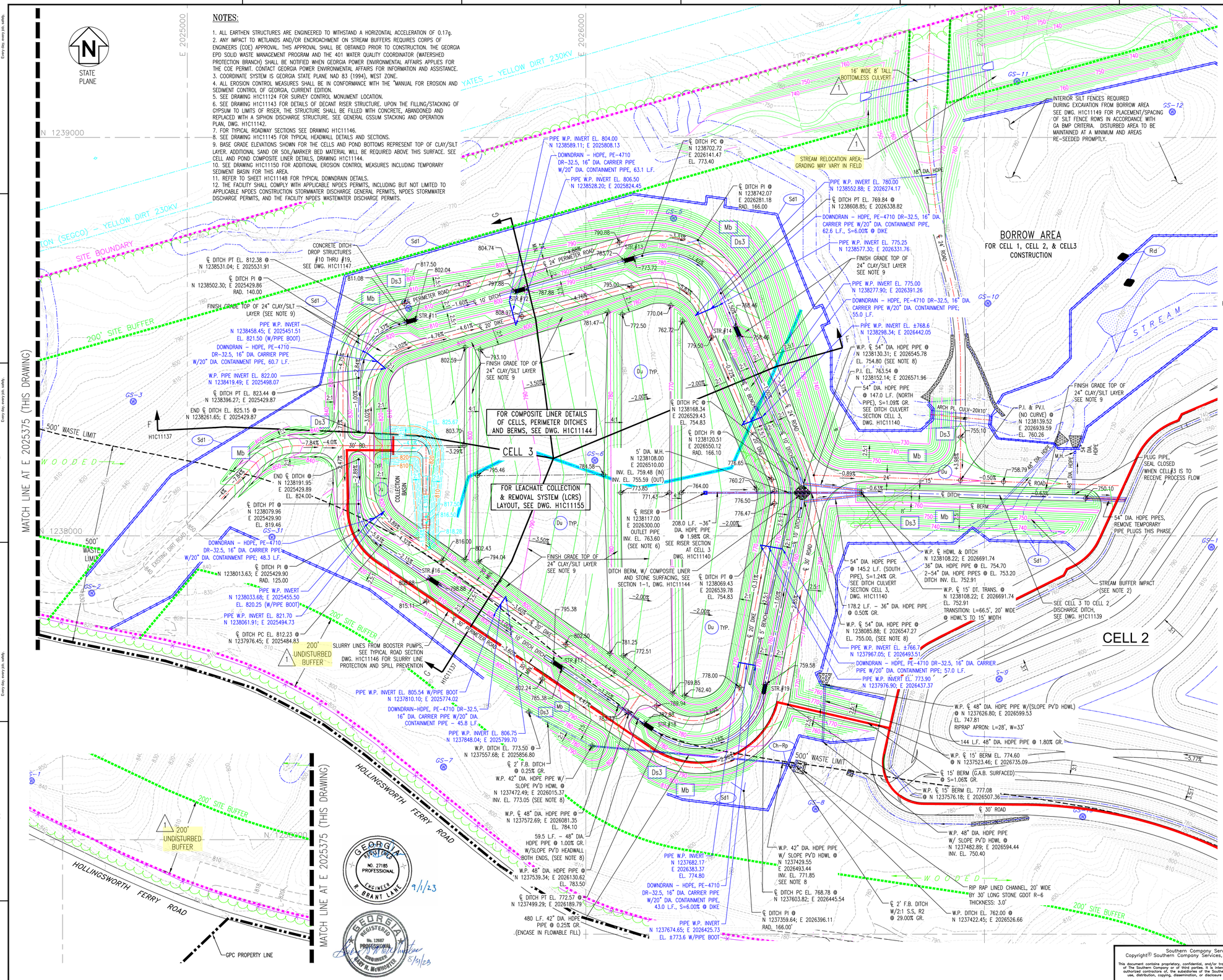
REVISION	DATE	BY	CHK'D
1	8-30-2023	RSW	RBL
REVISED PROPERTY BUFFER AND NORTHERN BUFFER IMPACTS [BY HHNT, INC.]			
0	09-23-2022	ANR	RBL
CCR LF PERMIT APPLICATION [BY HHNT, INC.]			

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

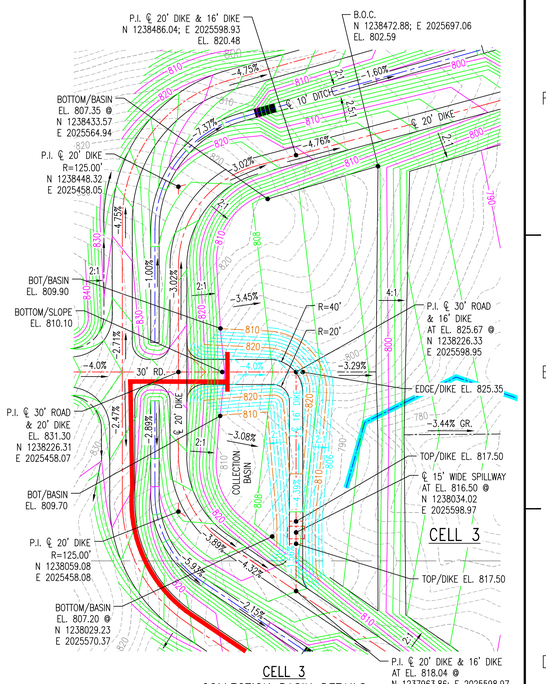
Acad2008 ANSI F: 40x28

NOTES:

1. ALL EARTHEN STRUCTURES ARE ENGINEERED TO WITHSTAND A HORIZONTAL ACCELERATION OF 0.17g.
2. ANY IMPACT TO 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. 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.



NOTE:
FOR ADDITIONAL COLLECTION BASIN DETAILS, SEE SECTION THROUGH COLLECTION BASIN AT SLURRY LINE DISCHARGE, DWG. H1C111153



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
- XXX.XX SPOT ELEVATIONS
- DOWNDRAIN
- TREELINE

EROSION CONTROL LEGEND

- Sd1 SILT FENCE (SEE DWG. H1C111149)
- Di DIVERSION (SEE DWG. H1C111149)
- 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.

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

GEORGIA REGISTERED No. 13987 PROFESSIONAL ENGINEER MARK W. McWHORTER 9/1/23

Southern Company Services, Inc.
Copyright© Southern Company Services, Inc. All Rights Reserved
This document contains proprietary, confidential, and/or trade secret information of the subsidiaries of The Southern Company or of third parties. It is intended for use only by employees of, or authorized contractors of, the subsidiaries of the Southern Company. Unauthorized possession, use, distribution, copying, dissemination, or disclosure of any portion hereof is prohibited.

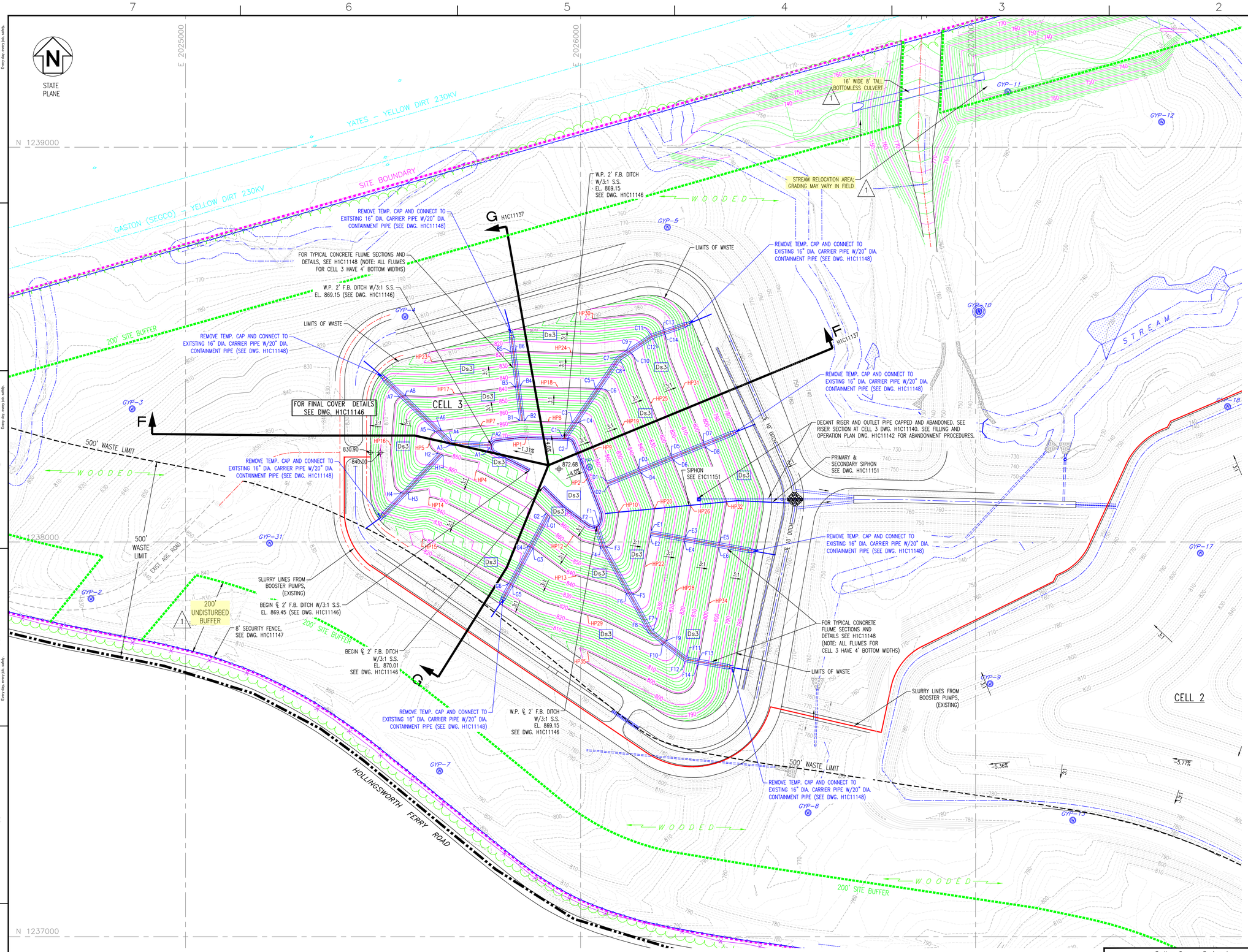
Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

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 8–30–2023	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
- 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 EARTHEN 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. 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.

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

GEORGIA REGISTERED No. 12687 PROFESSIONAL ENGINEER GARY N. McWHIRTER 8/31/23

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

Southern Company Services, Inc.
Copyright© Southern Company Services, Inc. All Rights Reserved

This document contains proprietary, confidential, and/or trade secret information of the subsidiaries of The Southern Company or of third parties. It is intended for use only by employees of, or authorized contractors of, the subsidiaries of the Southern Company. Unauthorized possession, use, distribution, copying, dissemination, or disclosure of any portion hereof is prohibited.

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
REVISION 1	DATE 8-30-2023	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'	H1C11134	1	FINAL	1

Acad2008 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

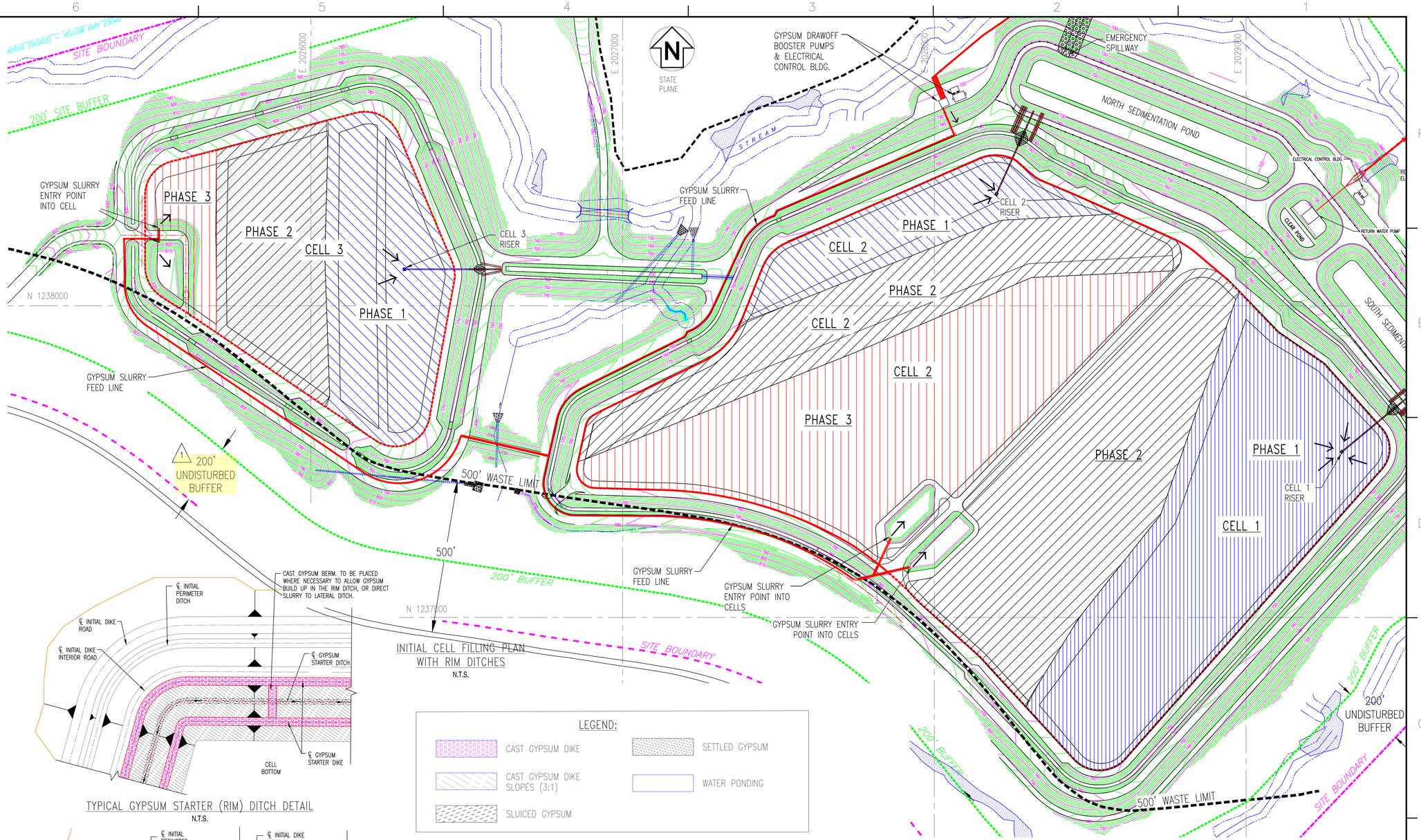
THE CELL 1, CELL 2, AND CELL 3 RISER STRUCTURES AND DECANT PIPE ASSEMBLIES WILL BE ABANDONED IN PLACE ONCE THE RESPECTIVE STRUCTURE HAS REACHED ITS INTENDED SERVICE LIFE, TYPICALLY, AS THE DEPOSITED GYPSUM REACHES OR APPROACHES THE UPPER ELEVATIONS DEFINED BY THE PERIMETER BERM OR ELEVATION OF THE RISER 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.

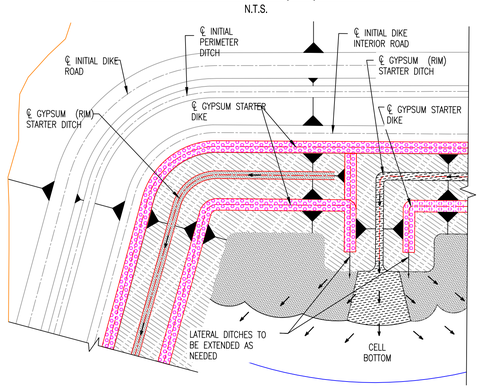
MATERIAL RECLAMATION FOR MARKET

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.



INITIAL CELL FILLING PLAN WITH RIM DITCHES
N.T.S.

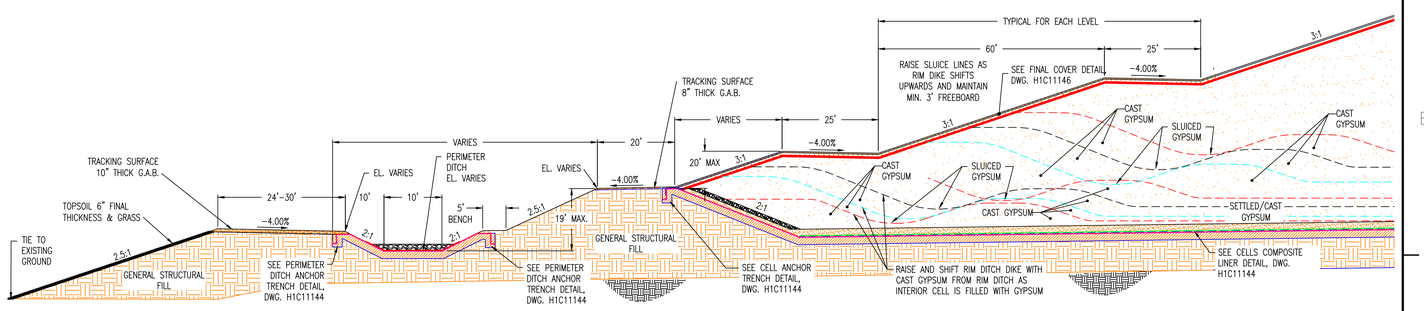
TYPICAL GYPSUM STARTER (RIM) DITCH DETAIL
N.T.S.



TYPICAL LATERAL DITCH DETAIL
N.T.S.

LEGEND:

- CAST GYPSUM DIKE
- CAST GYPSUM DIKE SLOPES (3:1)
- SLUICED GYPSUM
- SETTLED GYPSUM
- WATER PONDING



TYPICAL GYPSUM DIKE CONSTRUCTION DEVELOPMENT OF GYPSUM STACK
N.T.S.

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

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

Southern Company Services, Inc.
Copyright© Southern Company Services, Inc. All Rights Reserved
This document contains proprietary, confidential, and/or trade secret information of the subsidiaries of the Southern Company system, or of third-parties. Authorized for use only by employees, ect, or authorized contractors of the subsidiaries of the Southern Company. Unauthorized possession, use, distribution, copying, dissemination, or disclosure of any portion hereof is prohibited.

Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

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

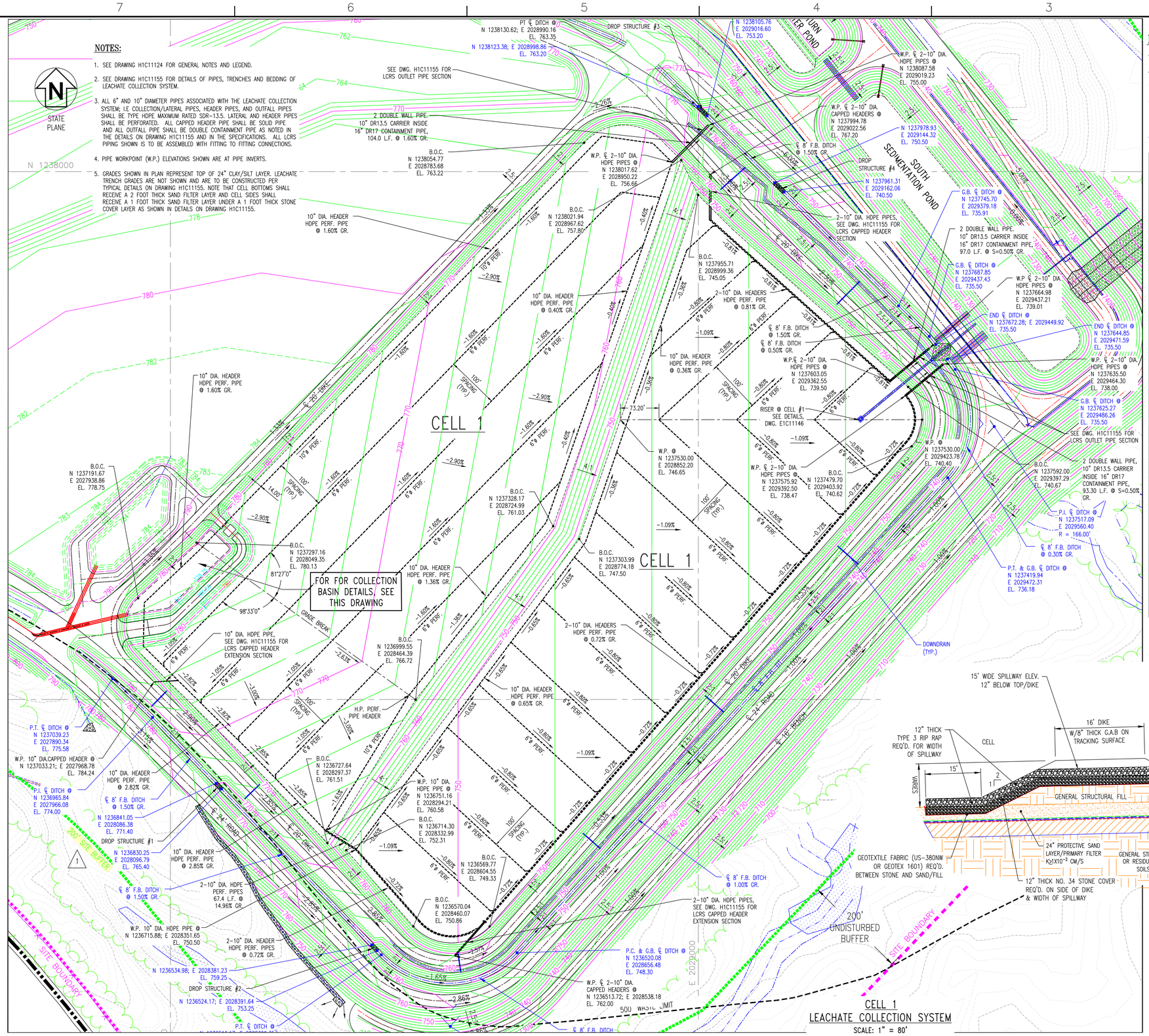
REVISION	DATE	BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR
REVISION 1	DATE 8-30-2023	RSW	RBL					
REVISED PROPERTY BUFFER AND NORTHERN BUFFER IMPACTS [BY HHNT, INC.]								
REVISION 0	DATE 09-23-2022	ANR	RBL					
CCR LF PERMIT APPLICATION [BY HHNT, INC.]								

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

Acad2008 ANSI F: 40x28

NOTES:

1. SEE DRAWING H1C11124 FOR GENERAL NOTES AND LEGEND.
2. SEE DRAWING H1C11155 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.



CELL 1 LEACHATE COLLECTION SYSTEM

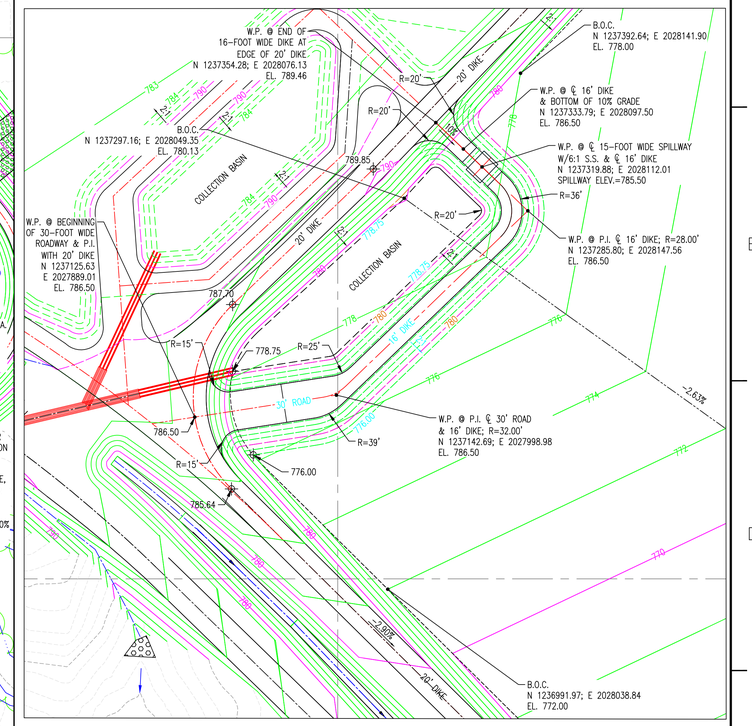
SCALE: 1" = 80'

LEGEND:

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

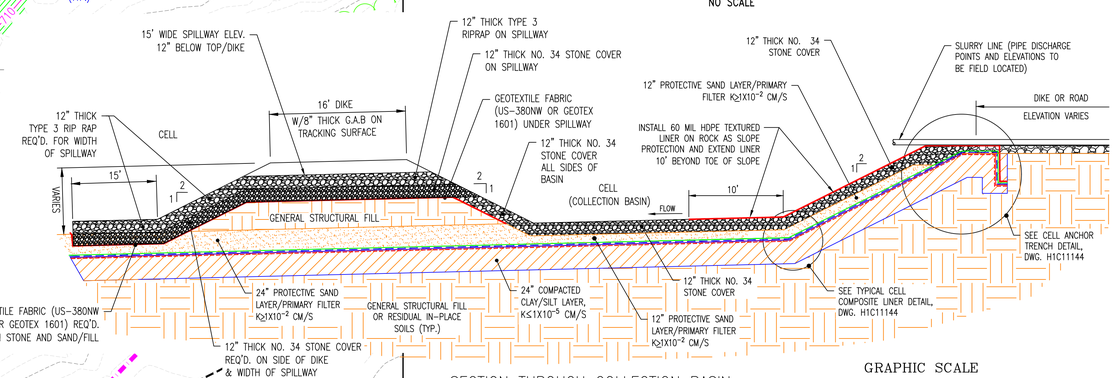
REFERENCE DRAWINGS:

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 AND DETAILS



CELL 1 COLLECTION BASINS

NO SCALE



SECTION THROUGH COLLECTION BASIN AT SLURRY LINE DISCHARGE

NO SCALE

GRAPHIC SCALE

80 0 40 80 160 320

(IN FEET)
1 inch = 80 ft.

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

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

Southern Company Services, Inc.
Copyright© Southern Company Services, Inc. All Rights Reserved
This document contains proprietary, confidential, and/or trade secret information of the subsidiaries of The Southern Company or of third parties. It is intended for use only by employees of, or authorized contractors of, the subsidiaries of the Southern Company. Unauthorized possession, use, distribution, copying, dissemination, or disclosure of any portion hereof is prohibited.

Southern Company Generation
Engineering and Construction Services
FOR

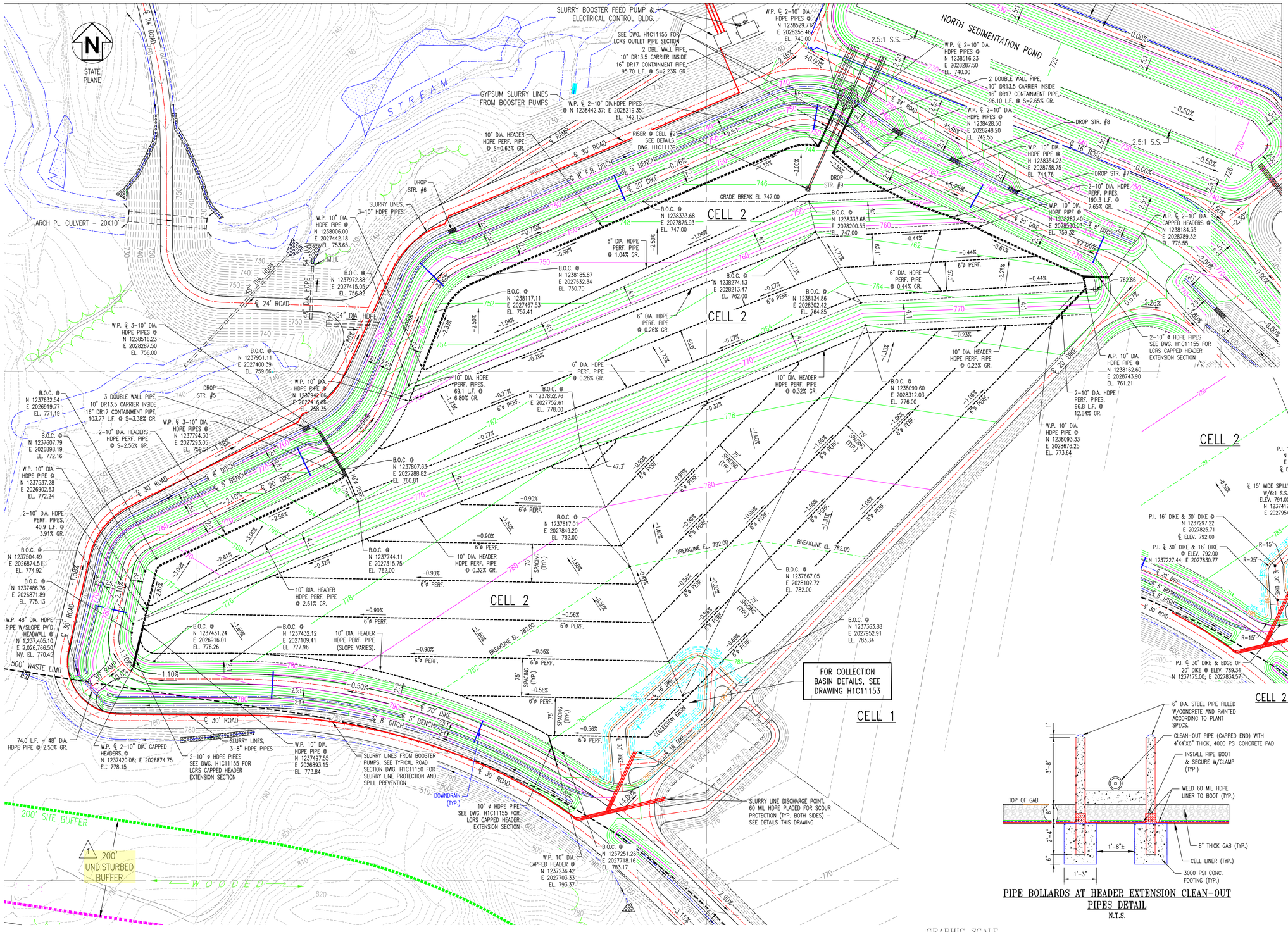
Georgia Power Company

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

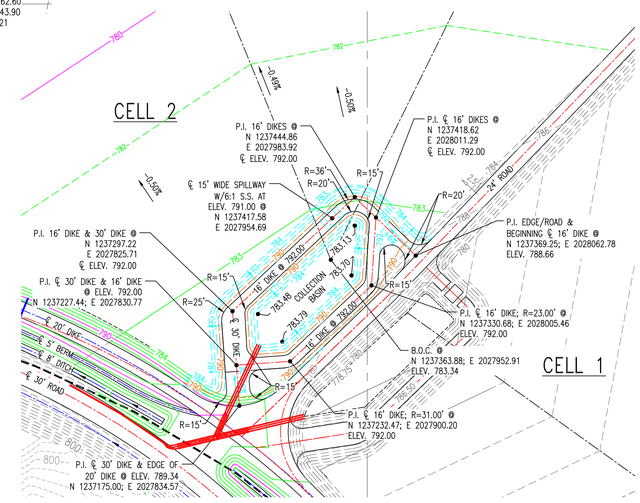
REVISION	DATE	BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR
REVISION 1	DATE 8-30-2023	RSW	RBL					
REVISED PROPERTY BUFFER AND NORTHERN BUFFER IMPACTS [BY HHNT, INC.]								
REVISION 0	DATE 09-23-2022	ANR	RBL					
CCR LF PERMIT APPLICATION [BY HHNT, INC.]								

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

Acad2008 ANSI F: 40x28



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



CELL 2 COLLECTION BASINS DETAIL
NO SCALE

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

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 H1C11155 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 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 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 H1C11155.

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

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

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

GEORGIA REGISTERED No. 12687 PROFESSIONAL Engineer MARY M. McWHIRTER 8/31/23

Southern Company Services, Inc.
Copyright© Southern Company Services, Inc. All Rights Reserved
This document contains proprietary, confidential, and/or trade secret information of the subsidiaries of The Southern Company system. It is furnished for use only by employees and authorized contractors of the subsidiaries of the Southern Company. Unauthorized possession, use, distribution, copying, dissemination, or disclosure of any portion hereof is prohibited.

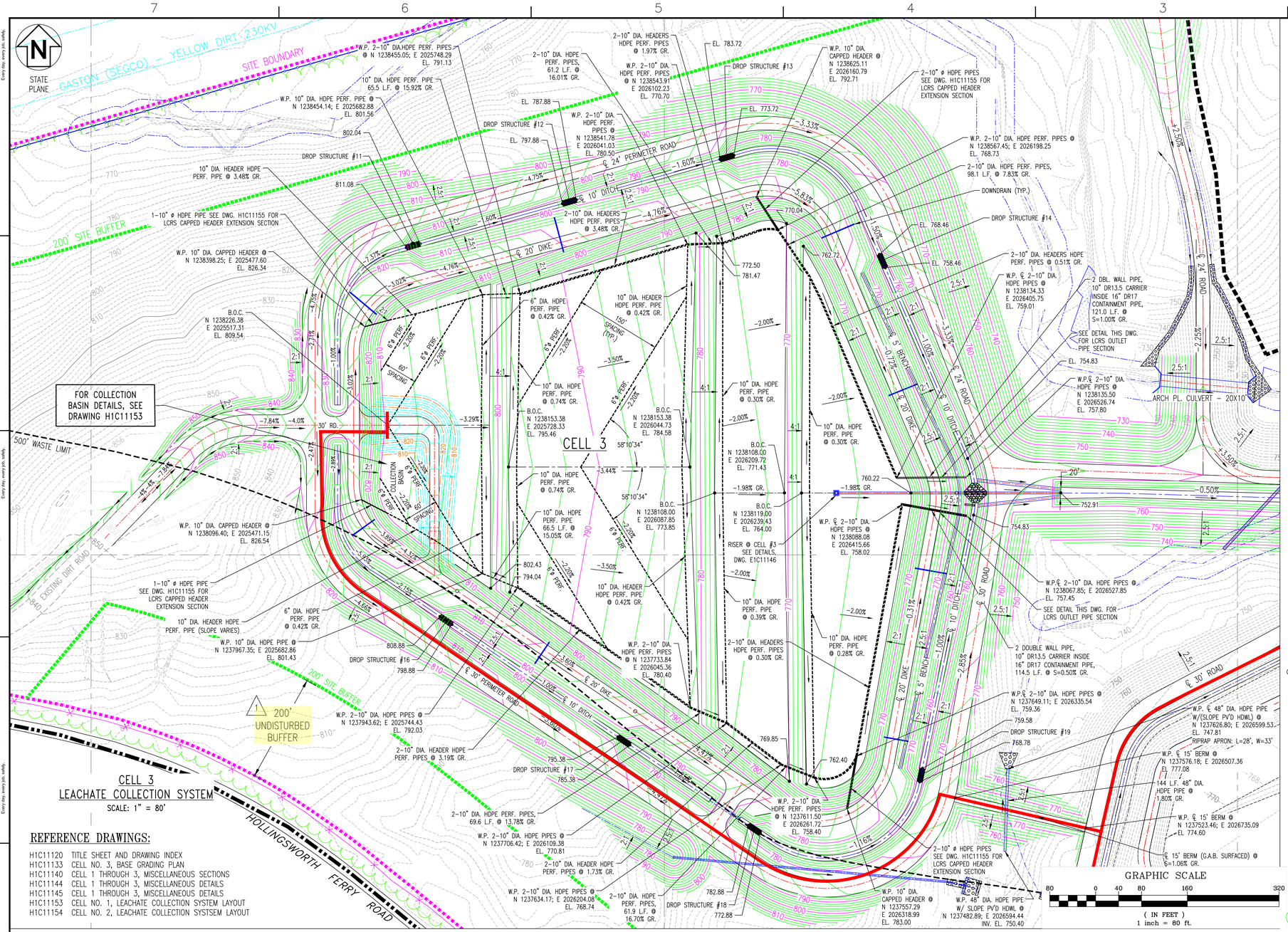
Southern Company Generation
Engineering and Construction Services
FOR
Georgia Power Company

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

REVISION	DATE	BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR
REVISION 1	DATE 8-30-2023	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"=80'	H1C11154	1	FINAL	1

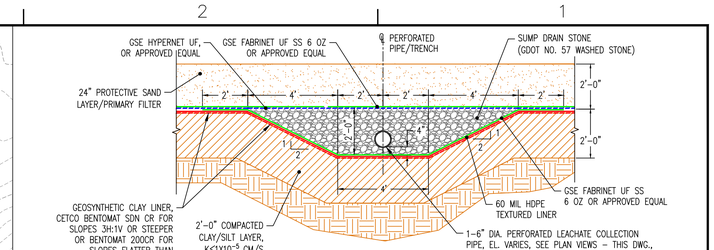
Acad2008 ANSI F: 40x28



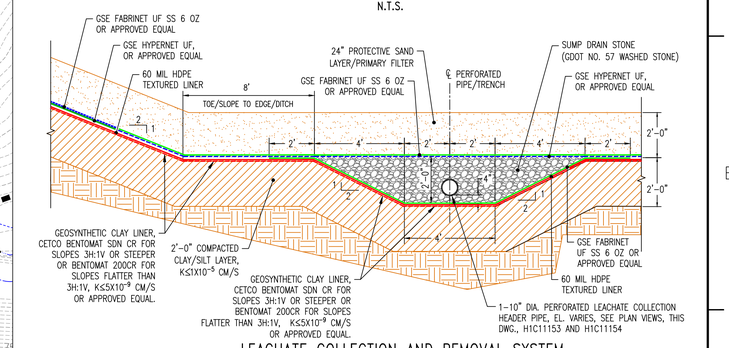
CELL 3
LEACHATE COLLECTION SYSTEM
SCALE: 1" = 80'

REFERENCE DRAWINGS:

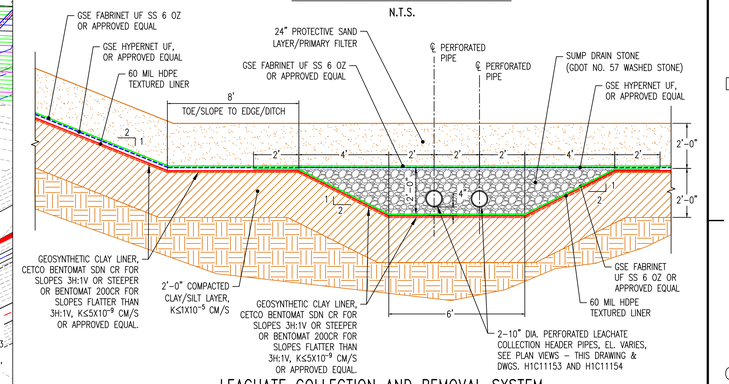
H1C11120	TITLE SHEET AND DRAWING INDEX
H1C11133	CELL NO. 3, BASE GRADING PLAN
H1C11140	CELL 1 THROUGH 3, MISCELLANEOUS SECTIONS
H1C11144	CELL 1 THROUGH 3, MISCELLANEOUS DETAILS
H1C11145	CELL 1 THROUGH 3, MISCELLANEOUS DETAILS
H1C11153	CELL NO. 1, LEACHATE COLLECTION SYSTEM LAYOUT
H1C11154	CELL NO. 2,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



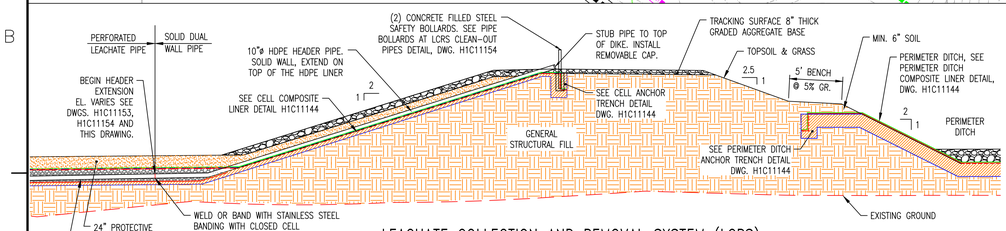
LEACHATE COLLECTION AND REMOVAL SYSTEM HEADER – DOUBLE PIPE DETAIL
N.T.S.

LEGEND:

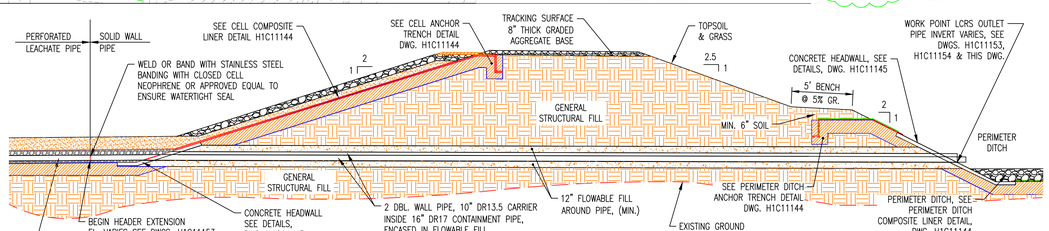
- SOLID WALL PIPE IN TRENCH
- PERFORATED PIPE IN TRENCH
- EXISTING GROUND CONTOURS
- FINAL GRADE CONTOURS
- SPOT ELEVATIONS
- DOWNDRAIN
- TREELINE

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.



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



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

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

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 12687 RAY R. McWHORTER 8/31/23

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

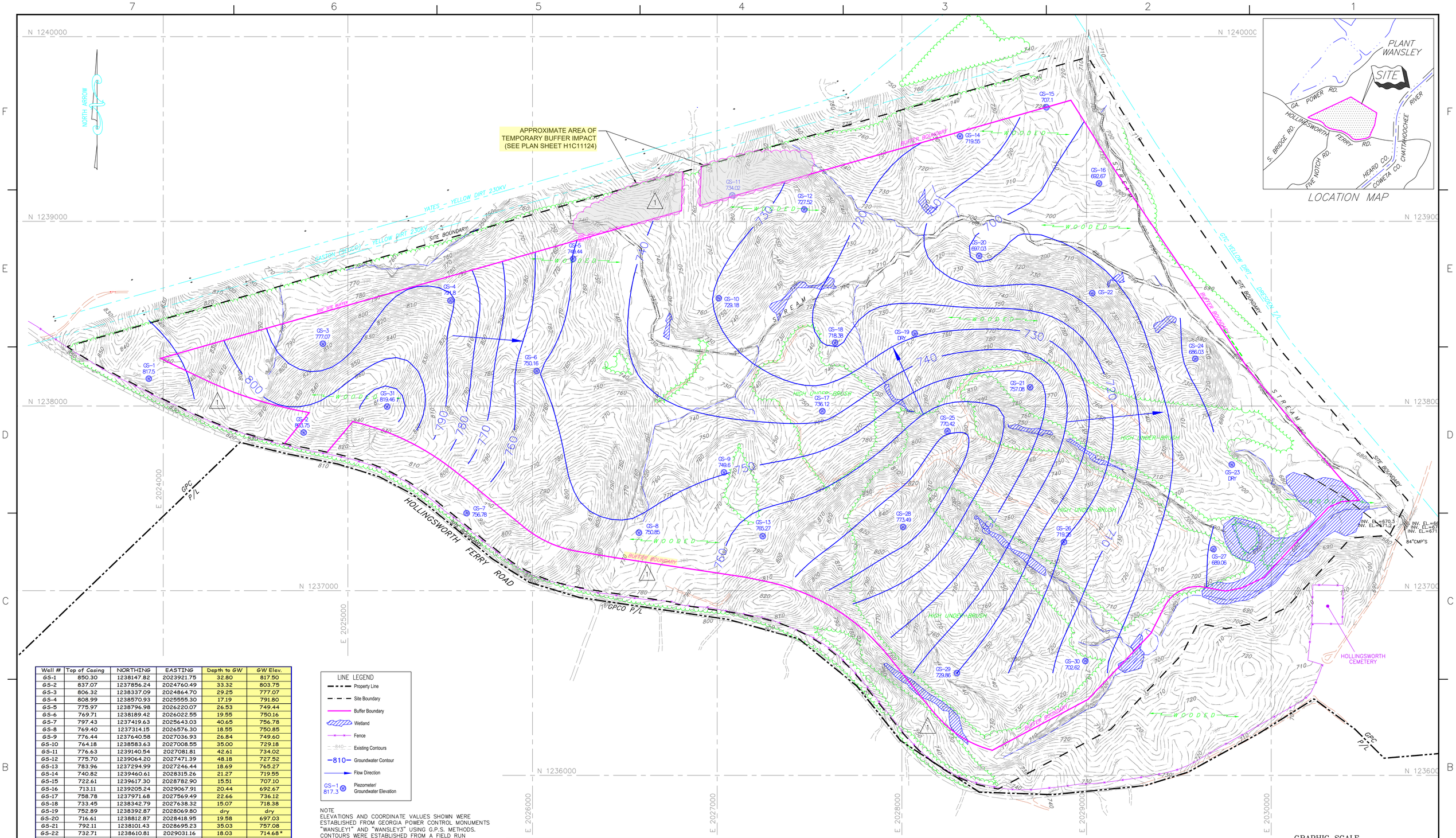
Southern Company Services, Inc.
Copyright© Southern Company Services, Inc. All Rights Reserved
This document contains proprietary, confidential, and/or trade secret information of the subsidiaries of The Southern Company or of third parties. It is intended for use only by employees of, or authorized contractors of, the subsidiaries of the Southern Company. Unauthorized possession, use, distribution, copying, dissemination, or disclosure of any portion hereof is prohibited.

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

Acad2008 ANSI F: 40x28



LOCATION MAP

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

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

Southern Company Services, Inc.
Copyright© Southern Company Services, Inc. All Rights Reserved

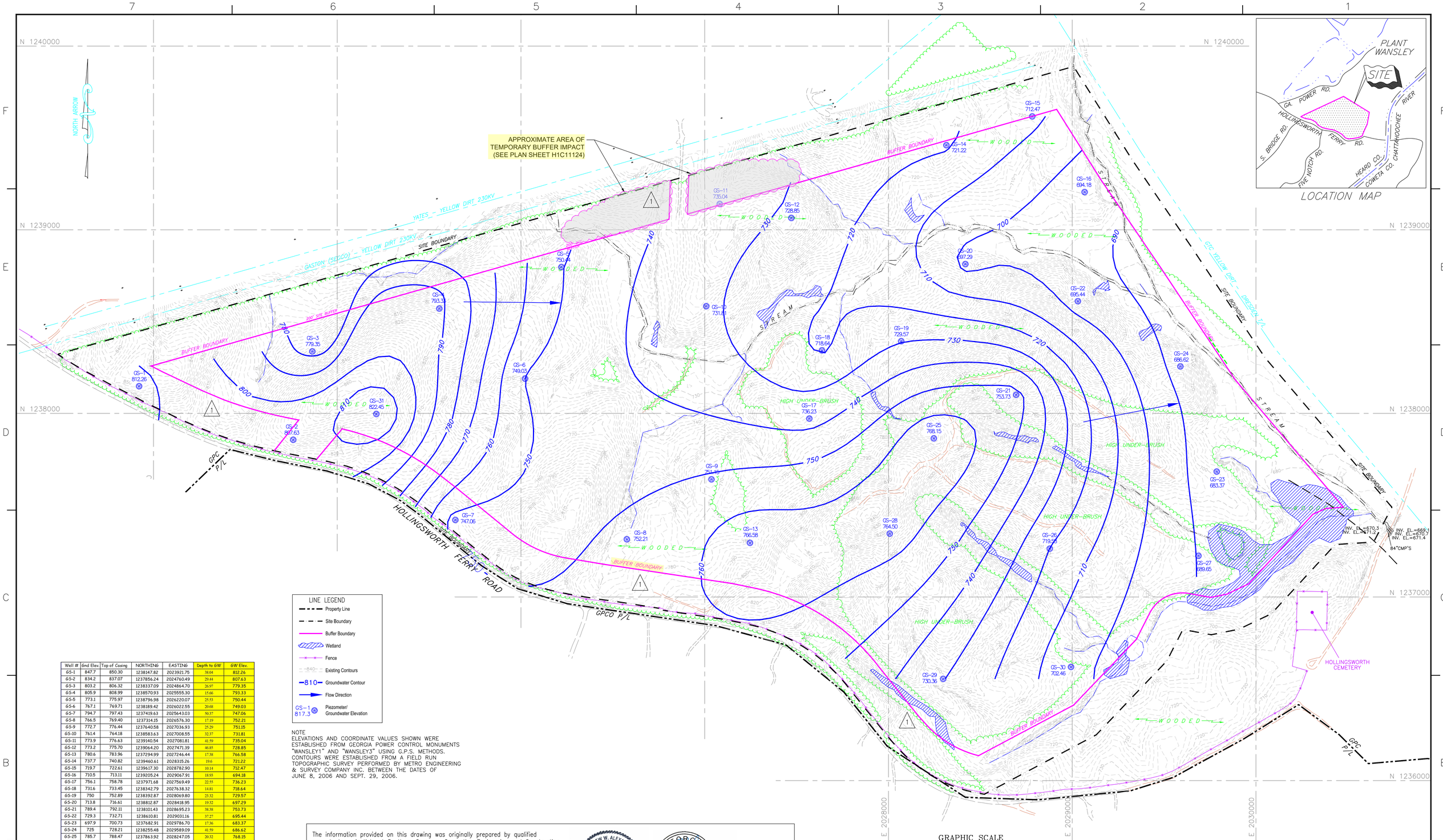
Southern Company Generation Engineering and Construction Services
FOR
Georgia Power Company

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

REVISION	DATE	BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR
1	8-30-2023	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	PROJ I.D.	DRAWING NUMBER	SHEET	CONT'D	REV
AS SHOWN	010505	H1C11161	1	FINAL	1

ANSI F: 40x28 Acad2008



LINE LEGEND

- Property Line
- Site Boundary
- Buffer Boundary
- Wetland
- Fence
- 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.

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	1237836.58	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

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

Southern Company Services, Inc.
Copyright© Southern Company Services, Inc. All Rights Reserved

Southern Company Generation Engineering and Construction Services
FOR
Georgia Power Company

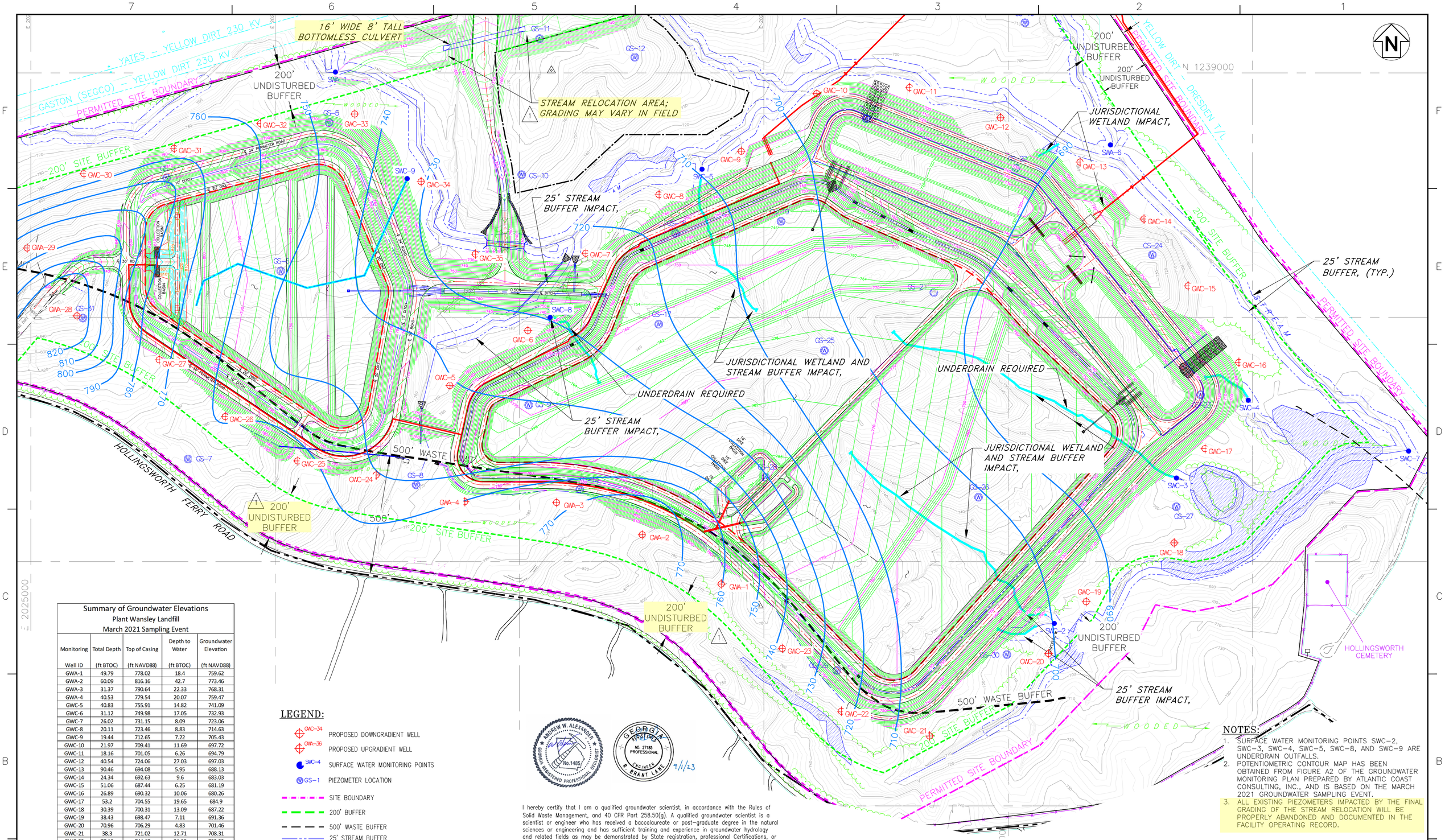
PLANT WANSLEY
COAL COMBUSTION BY-PRODUCT DISPOSAL FACILITY
POTENTIOMETRIC SURFACE MAP 04/10/2009

REVISION	DATE	
1	8-30-2023	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					

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

MOREW W. ALEXANDER No.1485 GEORGIA REGISTERED PROFESSIONAL GEOLOGIST

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

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: _____

Date: 2023-09-01

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. ALL EXISTING PIEZOMETERS IMPACTED BY THE FINAL GRADING OF THE STREAM RELOCATION WILL BE PROPERLY ABANDONED AND DOCUMENTED IN THE FACILITY OPERATING RECORD.

REFERENCES:

1. FOR A COMPLETE DRAWING LIST SEE H1C11120

Southern Company Services, Inc.
Copyright© Southern Company Services, Inc. All Rights Reserved

REVISION	DATE	BY	CHK'D	CIVIL APPR	ELECT APPR	I/C APPR	MECH APPR	DISC MGR
REVISION 1	DATE 8-30-2023	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
COMPLIANCE NETWORK

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

ANSI F: 40x28 Acad2008