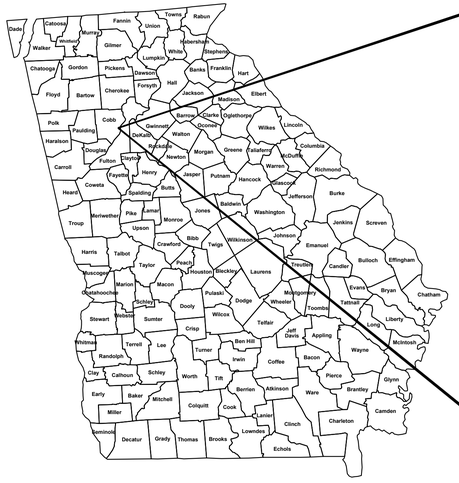
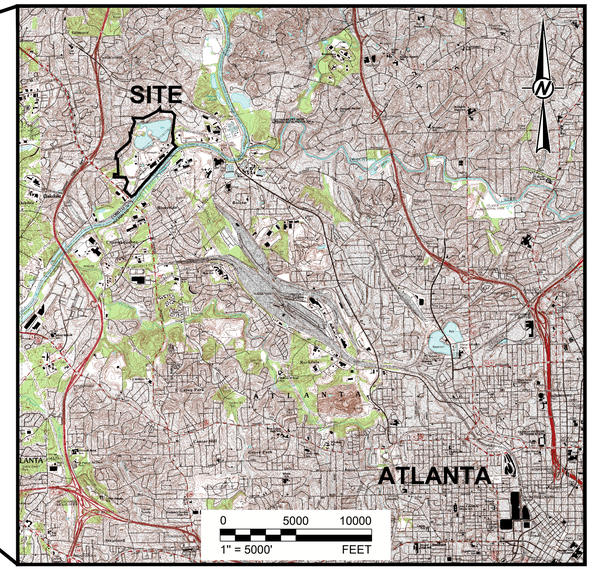
GEORGIA POWER COMPANY
PLANT MCDONOUGH - ATKINSON
INACTIVE SURFACE IMPOUNDMENT
ASH PONDS NO. 2, 3 & 4 CLOSURE DRAWINGS
COBB COUNTY, GEORGIA
FEBRUARY 2025

LIST OF SHEETS			
SHEET	SHEET TITLE	REVISION #	REVISION DATE
1	TITLE SHEET AND DRAWING INDEX	0	2025-FEBRUARY
2	PRE-CLOSURE CONDITIONS SITE MAP	0	2025-FEBRUARY
ASH POND 3 AND ASH POND 4 CLOSURE			
3	PRE-CLOSURE CONDITIONS AND ASH EXCAVATION	0	2025-FEBRUARY
4	ESTIMATED BOTTOM OF CCR PLAN	0	2025-FEBRUARY
5	PERMIT AND CLOSURE BOUNDARIES AP-2, AP-3/4	0	2025-FEBRUARY
6	FINAL COVER GRADING PLAN AND SURFACE WATER MANAGEMENT PLAN	0	2025-FEBRUARY
7	FINAL COVER ARMORING DELINEATION PLAN	0	2025-FEBRUARY
8	UNDER SLOPE DRAINAGE SYSTEM PLAN & DETAILS	0	2025-FEBRUARY
9	UNDER SLOPE DRAINAGE SYSTEM DETAILS	0	2025-FEBRUARY
10	SITE SECTIONS - SHEET 1 OF 3	0	2025-FEBRUARY
11	SITE SECTIONS - SHEET 2 OF 3	0	2025-FEBRUARY
11A	SITE SECTIONS - SHEET 3 OF 3	0	2025-FEBRUARY
12	PHASE 1 DEVELOPMENT PLAN	0	2025-FEBRUARY
13	PHASE 2 DEVELOPMENT PLAN	0	2025-FEBRUARY
14	PHASE 3 DEVELOPMENT PLAN	0	2025-FEBRUARY
15	PHASE 4 DEVELOPMENT PLAN	0	2025-FEBRUARY
16	PHASE 5 DEVELOPMENT PLAN	0	2025-FEBRUARY
17	PHASE 6 DEVELOPMENT PLAN	0	2025-FEBRUARY
18	CHANNEL PROFILE 1 OF 3	0	2025-FEBRUARY
19	CHANNEL PROFILE 2 OF 3	0	2025-FEBRUARY
20	CHANNEL PROFILE 3 OF 3	0	2025-FEBRUARY
21	DETENTION POND 1 DETAILS	0	2025-FEBRUARY
22	DETENTION POND 2 DETAILS	0	2025-FEBRUARY
23	DETENTION POND 3 DETAILS	0	2025-FEBRUARY
24	NORTH PERIMETER CHANNEL DETAILS	0	2025-FEBRUARY
25	NORTH AND SOUTH DOWNSLOPE CHANNEL PLANS	0	2025-FEBRUARY
26	SOUTH DOWNSLOPE CHANNEL PROFILE	0	2025-FEBRUARY
27	NORTH DOWNSLOPE CHANNEL PROFILE	0	2025-FEBRUARY
28	CLOSURE DETAILS - SHEET 1 OF 2	0	2025-FEBRUARY
29	CLOSURE DETAILS - SHEET 2 OF 2	0	2025-FEBRUARY
30	SURFACE WATER MANAGEMENT DETAILS - SHEET 1 OF 5	0	2025-FEBRUARY
31	SURFACE WATER MANAGEMENT DETAILS - SHEET 2 OF 5	0	2025-FEBRUARY
32	SURFACE WATER MANAGEMENT DETAILS - SHEET 3 OF 5	0	2025-FEBRUARY
33	SURFACE WATER MANAGEMENT DETAILS - SHEET 4 OF 5	0	2025-FEBRUARY
34	SURFACE WATER MANAGEMENT DETAILS - SHEET 5 OF 5	0	2025-FEBRUARY
35	CONTACT WATER MANAGEMENT AND INSTRUMENTATION PLAN	0	2025-FEBRUARY
36A	POST CLOSURE SOLAR DEVELOPMENT	0	2025-FEBRUARY
36B	GENERAL ARRANGEMENT AND CABLE TRAY LAYOUT	0	2025-FEBRUARY
36C	SOLAR FACILITY SECTION AND DETAILS - SHEET 1	0	2025-FEBRUARY
36D	SOLAR FACILITY SECTION AND DETAILS - SHEET 2	0	2025-FEBRUARY
36E	POST CLOSURE SOLAR DEVELOPMENT	0	2025-FEBRUARY
ASH POND 2 CLOSURE			
37	PRECLOSURE CONDITIONS	0	2025-FEBRUARY
38	POST-EXCAVATION CONDITIONS - AP-2 CLOSURE	0	2025-FEBRUARY
39	POTENTIAL FUTURE DEVELOPMENT AP-2	0	2025-FEBRUARY
40	AP-2 DETAILS AND SECTIONS	0	2025-FEBRUARY
41	COMPLIANCE MONITORING WELL NETWORK	0	2025-FEBRUARY
PERMIT BOUNDARY SURVEY			
P470-5(2)	ASH POND 2, 3, AND 4 PERMIT BOUNDARY SURVEY (1 OF 2)	0	2018-NOVEMBER
P470-5(3)	ASH POND 2, 3, AND 4 PERMIT BOUNDARY SURVEY (2 OF 2)	0	2018-NOVEMBER



SITE VICINITY MAP



REF: USGS 7.5 MINUTE SERIES TOPOGRAPHIC QUADRANGLE:
MABLETON, GA 1992 & NORTHWEST ATLANTA, GA 1993

SITE LOCATION MAP

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

CONTACT INFORMATION

CONSULTANT

GREGORY L. HEBELER, P.E.
WSP USA INC.
5170 PEACHTREE ROAD
BUILDING 100, SUITE 300
ATLANTA, GA 30341
TELEPHONE: 770-496-1893

PREPARED BY:

RESPONSIBLE OFFICIAL

MANAGER
ENVIRONMENTAL AFFAIRS
GEORGIA POWER COMPANY
241 RALPH McGILL BLVD
BIN 10221
ATLANTA, GA 30308
TELEPHONE: 404-506-6505

PROPERTY OWNER

GEORGIA POWER COMPANY
241 RALPH McGILL BLVD
ATLANTA, GA 30308
TELEPHONE: 404-506-6505

PREPARED FOR:

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:33:-04'00'

GEORGIA REGISTERED 2-26-2025 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
GEORGIA POWER COMPANY

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
TITLE SHEET AND DRAWING INDEX

CONSULTANT

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 1

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

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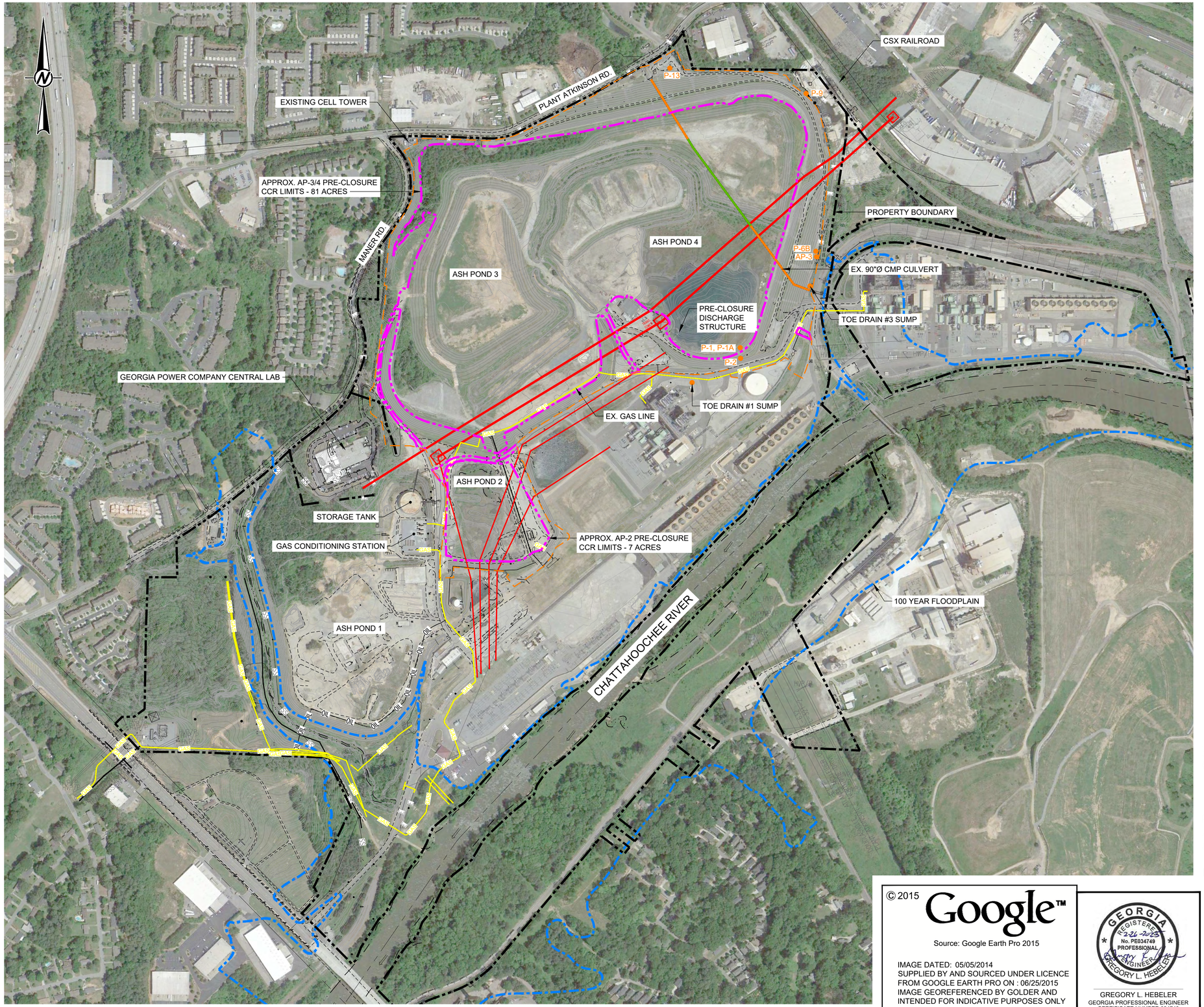

LEGEND

- PRE-CLOSURE CONTOURS
- PROPERTY BOUNDARY MARKERS/LIMITS
- EXISTING STREAM DIVERSION CULVERT UNDER EMBANKMENTS
- EXISTING STREAM DIVERSION CULVERT-CONCRETE ENCASED SECTION
- EXISTING OVERHEAD ELECTRIC LINES TO REMAIN & TO BE PROTECTED
- APPROXIMATE PRE-CLOSURE CCR LIMITS (SEE NOTE 1)
- GAS — EXISTING GAS LINE
- PROPOSED PERMIT BOUNDARY AP-2, AP-3/4
- 100 YEAR FLOODPLAIN
- P-2 / AP-3 — AP-3 & AP-4 TOE DRAIN

REFERENCES

1. THE PRE-CLOSURE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA POWER LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 10-16-2012. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 10-26-12. PROJECT NO. 13225 - 01-13-2013."

2. REVISED PRE-CLOSURE TOPOGRAPHY & CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA POWER LAND DEPARTMENT. THE DATA SHOWN IS AN UPDATE TO THE PLANS DONE ON 10-16-2012 & THE ONSITE CHANGES SINCE THAT 2012 SURVEY. THE REVISED SURVEY WAS DONE ON 1-12-2016 & MERGED WITH THE DATA ON 10-16-2012. GEORGIA POWER COMPANY PLANT MCDONOUGH ASH PONDS - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF SURVEY 1-12-2016 - LAND ENG. PROJECT # 20160020.

3. IMAGE TAKEN FROM GOOGLE EARTH PRO ON JUNE 25, 2015. IMAGE DATED MAY 05. 2014.

NOTES

1. CCR DELINEATION IS ONGOING THROUGHOUT CONSTRUCTION AND WILL CONTINUE UNTIL THE COMPLETION OF CLOSURE CERTIFICATION. ALL CCR WITHIN THE CLOSURE PERMIT BOUNDARY TO BE EITHER EXCAVATED OR PLACED WITHIN THE FINAL COVER LIMITS.

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:55:52 -04'00'

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

0 300 600
1" = 300' FEET

© 2015 Google™
Source: Google Earth Pro 2015
IMAGE DATED: 05/05/2014
SUPPLIED BY AND SOURCED UNDER LICENCE FROM GOOGLE EARTH PRO ON : 06/25/2015
IMAGE GEOREFERENCED BY GOLDER AND INTENDED FOR INDICATIVE PURPOSES ONLY

GEORGIA REGISTERED 2-26-2025 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
GEORGIA POWER COMPANY

Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
PRE-CLOSURE CONDITIONS SITE MAP

CONSULTANT
wsp

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 2

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

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LEGEND

- EXISTING CONTOURS (MARCH 2018)
- PROPERTY BOUNDARY MARKERS/LIMITS
- 810 — FINAL CLOSURE CONTOURS (SEE NOTE 2)
- 810 — CLOSURE CONTOURS OUTSIDE LIMITS OF CCR
- EXISTING OVERHEAD ELECTRIC LINES IN CCR POND 2, 3, & 4 AREA TO REMAIN & TO BE PROTECTED
- APPROXIMATE PRE-CLOSURE CCR LIMITS (SEE NOTE 3)
- GAS — EXISTING GAS LINE
- PROPOSED PERMIT BOUNDARY AP-2, AP-3/4
- FINAL LIMITS OF LINER
- 100 YEAR FLOODPLAIN
- P-2 / AP-3 — AP-3 & AP-4 TOE DRAIN
- TD-7 — TOE DRAIN

NOTES

1. AP-4 SPILLWAY OUTLET STRUCTURE TO BE DEMOLISHED AND COVERED WITH SOIL FILL 3 FEET MINIMUM BELOW CLOSURE COVER SYSTEM. EXISTING BLOWDOWN LINE TO BE ABANDONED BY GROUTING TO THE BLOWDOWN VACUUM BREAKER.

2. PIPES TO BE ABANDONED VIA A COMBINATION OF REMOVAL AND GROUTING OF REMAINING PORTIONS.

3. CCR DELINEATION IS ONGOING THROUGHOUT CONSTRUCTION AND WILL CONTINUE UNTIL THE COMPLETION OF CLOSURE CERTIFICATION. ALL CCR WITHIN THE CLOSURE PERMIT BOUNDARY TO BE EITHER EXCAVATED OR PLACED WITHIN THE FINAL COVER LIMITS.

4. DRY AP-4 TOE DRAINS TO BE REMOVED OR GROUTED.

REFERENCES

1. THE PRE-CLOSURE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 10-16-2012. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 10-26-12.

2. REVISED PRE-CLOSURE TOPOGRAPHY & CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA POWER LAND DEPARTMENT. THE DATA SHOWN IS AN UPDATE TO THE PLANS DONE ON 10-16-2012 & THE ONSITE CHANGES SINCE THAT 2012 SURVEY. THE REVISED SURVEY WAS DONE ON 1-12-2016 & MERGED WITH THE DATA ON 10-16-2012. GEORGIA POWER COMPANY PLANT MCDONOUGH ASH PONDS – GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF SURVEY 1-12-2016.

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

0 200 400
1" = 200' FEET

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:09:51 -04'00'

GEORGIA REGISTERED 3-26-2025 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER
GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
GEORGIA POWER COMPANY

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
PRE-CLOSURE CONDITIONS

CONSULTANT
wsp

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 3

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

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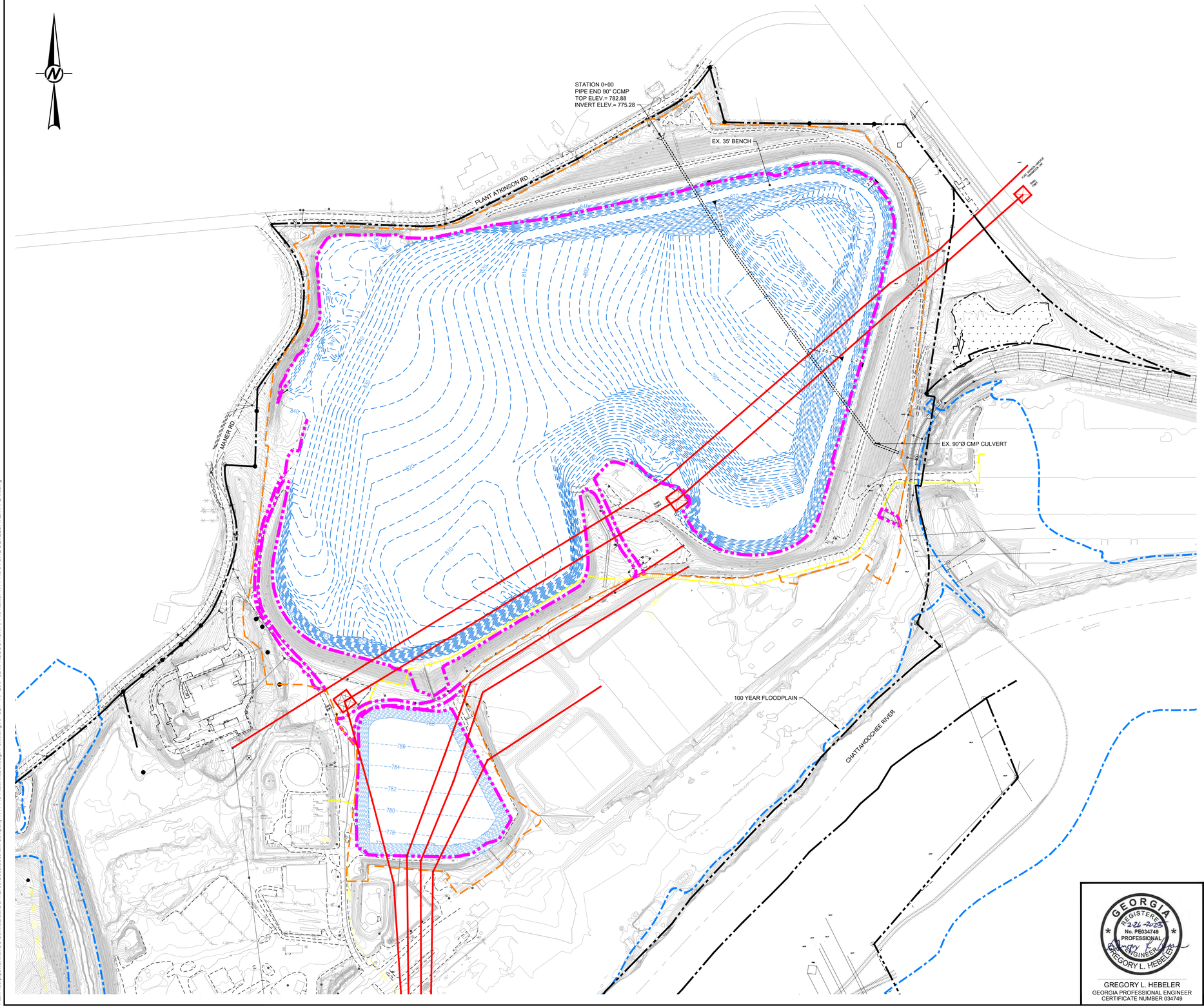

LEGEND

- PRE-CLOSURE CONTOURS
- PROPERTY BOUNDARY MARKERS/LIMITS
- ESTIMATED BOTTOM OF CCR CONTOURS
- EXISTING OVERHEAD ELECTRIC LINES IN CCR POND 3 & 4 AREA TO REMAIN & TO BE PROTECTED
- APPROXIMATE PRE-CLOSURE CCR LIMITS (SEE NOTE 2)
- EXISTING GAS LINE
- PROPOSED PERMIT BOUNDARY AP-2, AP-3/4
- 100 YEAR FLOODPLAIN
- WETLANDS

NOTE

1. ESTIMATED BOTTOM OF CCR CONTOURS BASED ON A COMBINATION OF 1954 USGS TOPOGRAPHY (ACCOUNTING FOR ESTIMATED BORROW FROM WITHIN ASH POND LIMITS), AND GOLDER GEOTECHNICAL INVESTIGATION. DEPICTED INTERIOR DAM GRADING BELOW EXISTING EXPOSED LIMITS IS INFERRED FROM HISTORIC SOUTHERN COMPANY DAM DESIGN TYPICAL SECTIONS.

2. CCR DELINEATION IS ONGOING THROUGHOUT CONSTRUCTION AND WILL CONTINUE UNTIL THE COMPLETION OF CLOSURE CERTIFICATION. ALL CCR WITHIN THE CLOSURE PERMIT BOUNDARY TO BE EITHER EXCAVATED OR PLACED WITHIN THE FINAL COVER LIMITS.

3. BOTTOM OF CCR GRADES INDICATED ONLY WITHIN THE CCR UNIT AP-3/4 UNIT BOUNDARY.

REFERENCES

1. THE PRE-CLOSURE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 10-16-2012. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 10-26-12.

2. REVISED PRE-CLOSURE TOPOGRAPHY & CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA POWER LAND DEPARTMENT. THE DATA SHOWN IS AN UPDATE TO THE PLANS DONE ON 10-16-2012 & THE ONSITE CHANGES SINCE THAT 2012 SURVEY. THE REVISED SURVEY WAS DONE ON 1-12-2016 & MERGED WITH THE DATA ON 10-16-2012. GEORGIA POWER COMPANY PLANT MCDONOUGH ASH PONDS - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF SURVEY 1-12-2016.

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:39:33 -04'00'

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0 150 300
1" = 150' FEET

CLIENT
GEORGIA POWER COMPANY

Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
ESTIMATED BOTTOM OF CCR PLAN

GEORGIA REGISTERED 2-26-2025 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CONSULTANT
wsp

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 4

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

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LEGEND

- EXISTING CONTOURS (MARCH 2018)
- PROPERTY BOUNDARY MARKERS/LIMITS
- 810 — FINAL CLOSURE CONTOURS (SEE NOTE 2)
- 810 — CLOSURE CONTOURS OUTSIDE LIMITS OF CCR
- EXISTING OVERHEAD ELECTRIC LINES IN CCR POND 2, 3, & 4 AREA TO REMAIN & TO BE PROTECTED
- GAS — EXISTING GAS LINE
- PROPOSED PERMIT BOUNDARY AP-2, AP-3/4
- FINAL LIMITS OF LINER
- FINAL LIMITS OF CCR

REFERENCES

1. THE EXISTING TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 03-18-2018. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 03-18-2018.

NOTES

1. FINAL CLOSURE CONTOURS (PURPLE) DELINEATE FINAL LIMITS OF CCR.

2. CLOSURE CONTOURS OUTSIDE LIMITS OF CCR (GREEN) DELINEATE AREAS WHERE ANY EXISTING CCR IS TO BE COMPLETELY REMOVED.

3. PERMANENT MARKERS FOR EACH CCR UNIT WERE INSTALLED AT PLANT MCDONOUGH ON JULY 31, 2015.

4. CCR DELINEATION IS ONGOING THROUGHOUT CONSTRUCTION AND WILL CONTINUE UNTIL THE COMPLETION OF CLOSURE CERTIFICATION. ALL CCR WITHIN THE CLOSURE PERMIT BOUNDARY TO BE EITHER EXCAVATED OR PLACED WITHIN THE FINAL COVER LIMITS.

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
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Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:39:33 -04'00'

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

0 200 400
1" = 200' FEET

CLIENT
GEORGIA POWER COMPANY

Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
PERMIT AND CLOSURE BOUNDARIES AP-2, AP-3/4

GEORGIA REGISTERED 2-26-2025 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CONSULTANT
wsp

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 5

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

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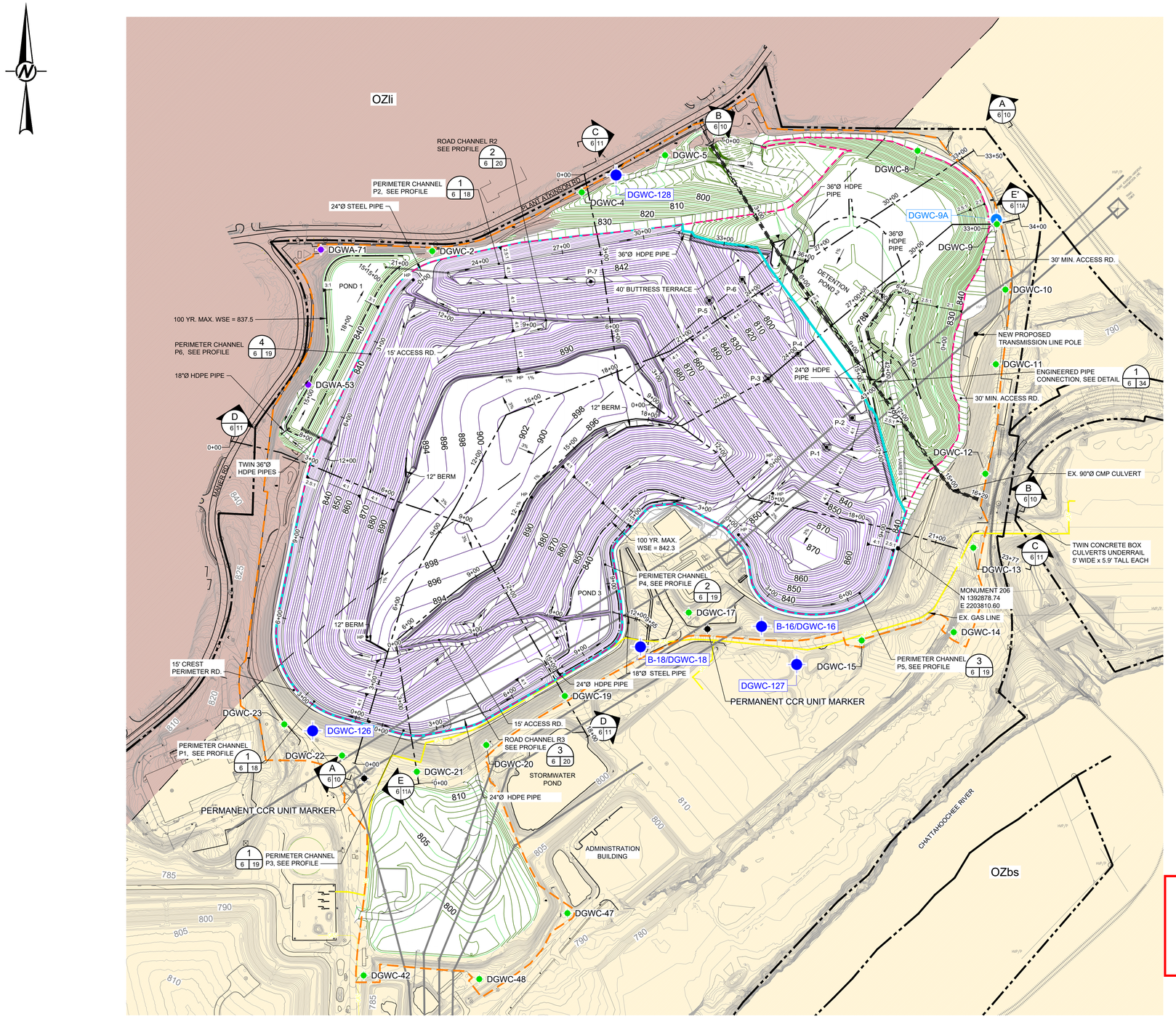

LEGEND

- EXISTING CONTOURS (MARCH 2018)
- PROPERTY BOUNDARY MARKERS/LIMITS
- 810 — FINAL CLOSURE CONTOURS (SEE NOTE 2)
- 810 — CLOSURE CONTOURS OUTSIDE LIMITS OF CCR
- EXISTING OVERHEAD ELECTRIC LINES IN CCR POND 2, 3, & 4 AREA TO REMAIN & TO BE PROTECTED
- GAS — EXISTING GAS LINE
- PROPOSED PERMIT BOUNDARY AP-2, AP-3/4
- FINAL LIMITS OF LINER
- FINAL LIMITS OF CCR
- INTERPRETED GEOLOGIC CONTACT
- PHYLLONITE, BUTTON SCHIST, MYLONITE, AND MYLONITIC BIOTITE GNEISS (OZbs)
- BIOTITE GNEISS, LONG ISLAND CREEK GNEISS (OZli)
- DGWA-XX — UPGRADIENT DETECTION MONITORING WELL (SEE REFERENCE 3)
- DGWC-XX — AP-2, 3/4 DETECTION MONITORING WELL (SEE REFERENCE 3)
- P-4 — DUAL LEVEL VW PIEZOMETER & INCLINOMETER
- P-3 — TRI LEVEL VW PIEZOMETER & INCLINOMETER
- P-7 — DUAL LEVEL VW PIEZOMETER
- DGWC-9A — PROPOSED DETECTION MONITORING WELL REPLACEMENT
- DGWC-XXX — PROPOSED DETECTION MONITORING WELL

REFERENCES

1. THE EXISTING TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 03-18-2018. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 03-18-2018.
2. APPROXIMATE PROPERTY BOUNDARY PROVIDED BY SOUTHERN COMPANY SERVICES (2017).
3. SCS PLANT MCDONOUGH HYDROGEOLOGICAL INVESTIGATION (2012 TO 2020).
4. SELECT BORING/PIEZOMETER LOCATIONS AND ELEVATIONS RESURVEYED BY METRO ENGINEERING & SURVEYING CO., INC., 2020-2025.
5. GEOLOGIC MAPPING PERFORMED BY PETROLLOGIC SOLUTIONS, OCTOBER 2016.
6. COORDINATES SYSTEM: NAD 1983 STATE PLANE GEORGIA WEST (U.S. FEET); ELEVATIONS DISPLAY IN FEET REFERENCED TO NORTH AMERICAN VERTICAL DATUM 1988 (FEET NAVD88).

NOTES

1. FINAL CLOSURE CONTOURS (PURPLE) DELINEATE FINAL LIMITS OF CCR.
2. CLOSURE CONTOURS OUTSIDE LIMITS OF CCR (GREEN) DELINEATE AREAS WHERE ANY EXISTING ASH IS TO BE COMPLETELY REMOVED.
3. PERMANENT MARKERS FOR EACH CCR UNIT WERE INSTALLED AT PLANT MCDONOUGH ON JULY 31, 2015.
4. CCR DELINEATION IS ONGOING THROUGHOUT CONSTRUCTION AND WILL CONTINUE UNTIL THE COMPLETION OF CLOSURE CERTIFICATION. ALL CCR WITHIN THE CLOSURE PERMIT BOUNDARY TO BE EITHER EXCAVATED OR PLACED WITHIN THE FINAL COVER LIMITS.

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

0 200 400
1" = 200' FEET

CLIENT
GEORGIA POWER COMPANY

Georgia Power

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:09:21 -04'00'

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
FINAL COVER GRADING AND SURFACE WATER MANAGEMENT PLAN

GEORGIA REGISTERED 2-26-2025 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CONSULTANT
wsp

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	CRP
CHECKED	DLP
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 6

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LEGEND

- EXISTING CONTOURS (MARCH 2018)
- PROPERTY BOUNDARY MARKERS/LIMITS
- 810 — FINAL CLOSURE CONTOURS
- 810 — CLOSURE CONTOURS OUTSIDE FINAL LIMITS OF CCR
- EXISTING OVERHEAD ELECTRIC LINES IN CCR POND 3 & 4 AREA TO REMAIN & TO BE PROTECTED
- GAS — EXISTING GAS LINE
- PROPOSED PERMIT BOUNDARY AP-2, AP-3/4
- FINAL LIMITS OF LINER
- FINAL LIMITS OF CCR
- HYDRO TURF OVER SUPERGRIPNET
- TYPE 3 RIP-RAP
- NO.1 STONE OR TYPE 3 RIP-RAP
- NO.4 STONE BALLAST
- ARMORFLEX ON CLOSURE TURF OVER SUPERGRIPNET (NO SAND INFILL)
- TYPE 1 RIP-RAP
- CLOSURE TURF OVER SUPERGRIPNET (SEE NOTE 1)
- CLOSURE TURF OVER MICROSPIKE
- GEO-CELL ACCESS ROAD
- GRAVEL ROAD OVER CLOSURE TURF WITH EDGE CURB
- GRAVEL ROAD OUTSIDE OF CLOSURE TURF

NOTES

1. SUPERGRIPNET TO BE AGRU 50 MIL LLDPE OR AGRU 50 MIL LLDPE MICRODRAIN.
2. MICROSPIKE TO BE AGRU 40 MIL MINIMUM LLDPE GEOMEMBRANE LINER.
3. CLOSURE TURF TO CONTAIN SAND INFILL MINIMUM 1/2" THICKNESS UNLESS OTHERWISE INDICATED.
4. SEE SHEETS 28 AND 29 FOR ARMORING AND COVER DETAILS.

REFERENCES

1. THE EXISTING SITE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 03-18-2018. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 03-18-2018."

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

0 200 400
1" = 200' FEET

CLIENT
GEORGIA POWER COMPANY

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:09:21 -04'00'

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
AP - 3/4 FINAL COVER ARMORING DELINEATION PLAN

GEORGIA REGISTERED 3-26-2025 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CONSULTANT
wsp

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	AVR
CHECKED	MP
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PROJECT NO. 1777449 | REV. 0 | SHEET 7

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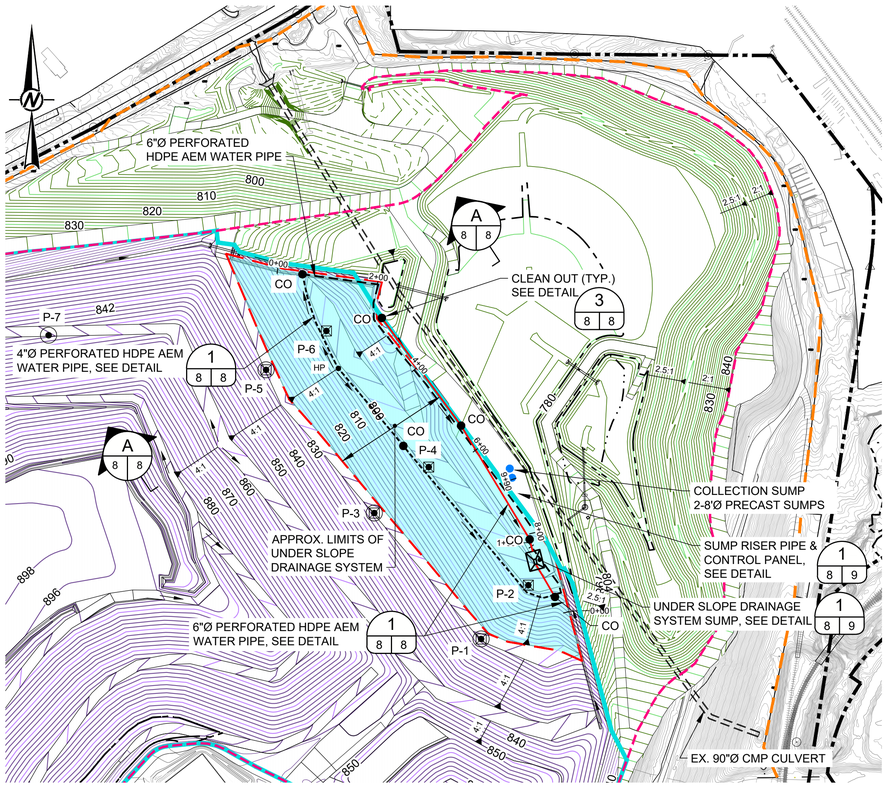
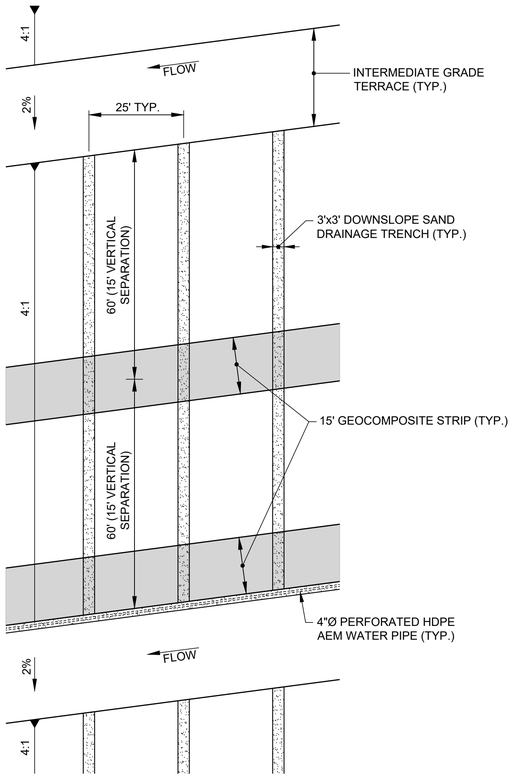


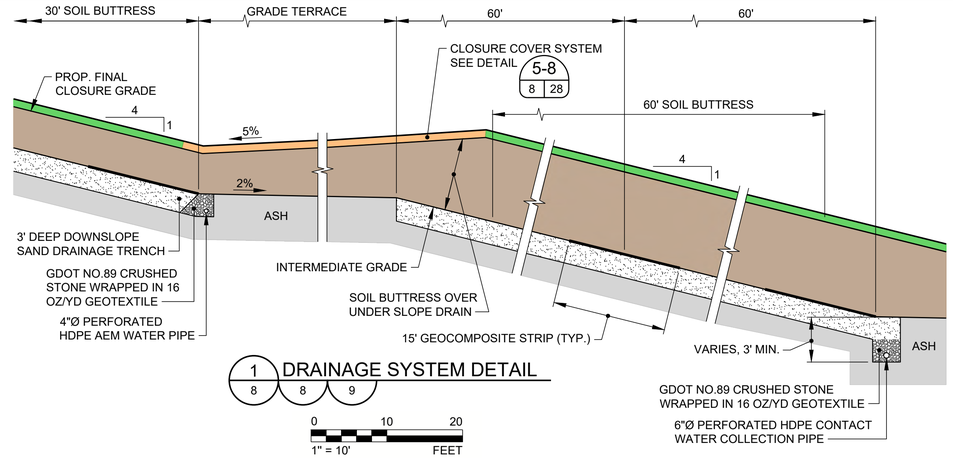
UNDER SLOPE DRAINAGE SYSTEM

0 150 300
1" = 150' FEET



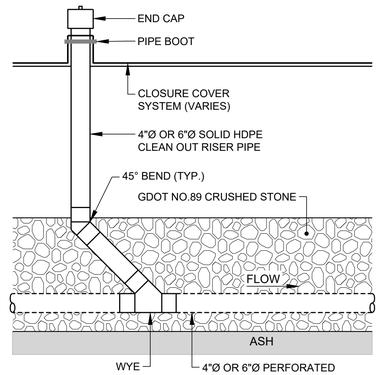
B 8 8 DRAINAGE SYSTEM FRONT VIEW B-B

0 20 40
1" = 20' FEET



1 8 8 9 DRAINAGE SYSTEM DETAIL

0 10 20
1" = 10' FEET



3 8 8 CLEAN OUT RISER DETAIL

0 2 4
1" = 2' FEET

NOTES

1. THE PORTIONS OF THE MAIN EXCAVATION SLOPE BELOW THE BENCH AT MAXIMUM ELEVATION OF 860 FEET RECEIVE A STRUCTURAL FILL STABILITY BERM OF MINIMUM 30 FOOT HORIZONTAL WIDTH ON TOP OF THE FINISH CCR EXCAVATION SLOPE FOR ELEVATIONS ABOVE THE BOTTOM BENCH, AND MINIMUM 60 FOOT HORIZONTAL WIDTH BELOW THE BOTTOM BENCH AS SHOWN ON DRAWING SHEET 28.

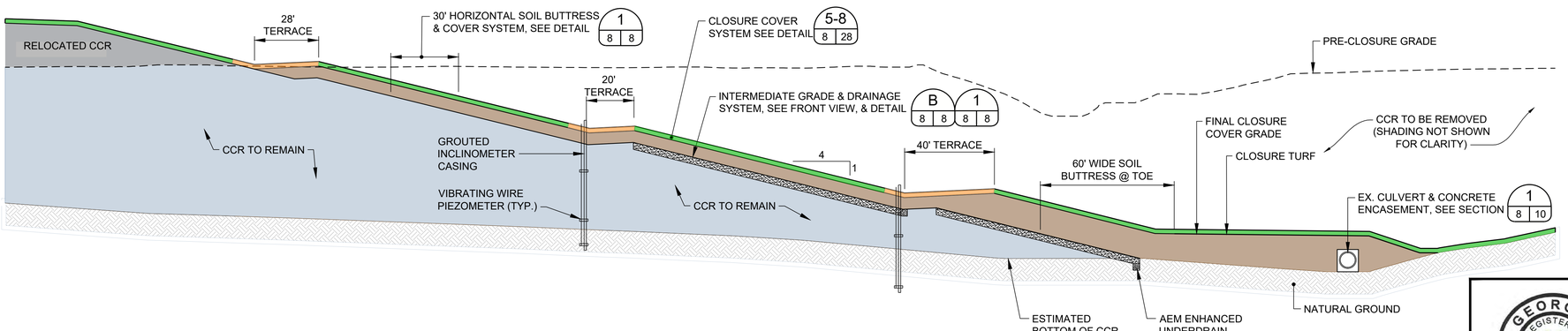
2. AN UNDER SLOPE DRAIN SYSTEM IS TO BE CONSTRUCTED ALONG THE FINISH CCR EXCAVATION SLOPE BENEATH THE SOIL BUTTRESS FOR ALL AREAS BELOW THE 2ND BENCH FROM THE BOTTOM AS PER THE DETAILS ON THIS SHEET.

LEGEND

P-2	DUAL LEVEL VW PIEZOMETER & INCLINOMETER
P-1	TRI LEVEL VW PIEZOMETER & INCLINOMETER
P-7	DUAL LEVEL VW PIEZOMETER
CO	AEM WATER PIPE CLEAN OUT

HATCH LEGEND

EXISTING ASH TO REMAIN	PROPOSED SOIL FILL
EXISTING EMBANKMENT FILL	HYDROTURF OVER SUPERGRIPNET
ASH/SOIL TO BE REMOVED	CLOSURE TURF OVER SUPERGRIPNET
PROPOSED ASH FILL	



A 8 8 PROPOSED UNDER SLOPE DRAINAGE SYSTEM FOR EASTERN CLOSURE SYSTEM SLOPE

0 30 60
1" = 30' FEET

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
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GEORGIA REGISTERED 3-26-25 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
GEORGIA POWER COMPANY

Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
UNDER SLOPE DRAINAGE SYSTEM PLAN & DETAILS

CONSULTANT
wsp

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 8

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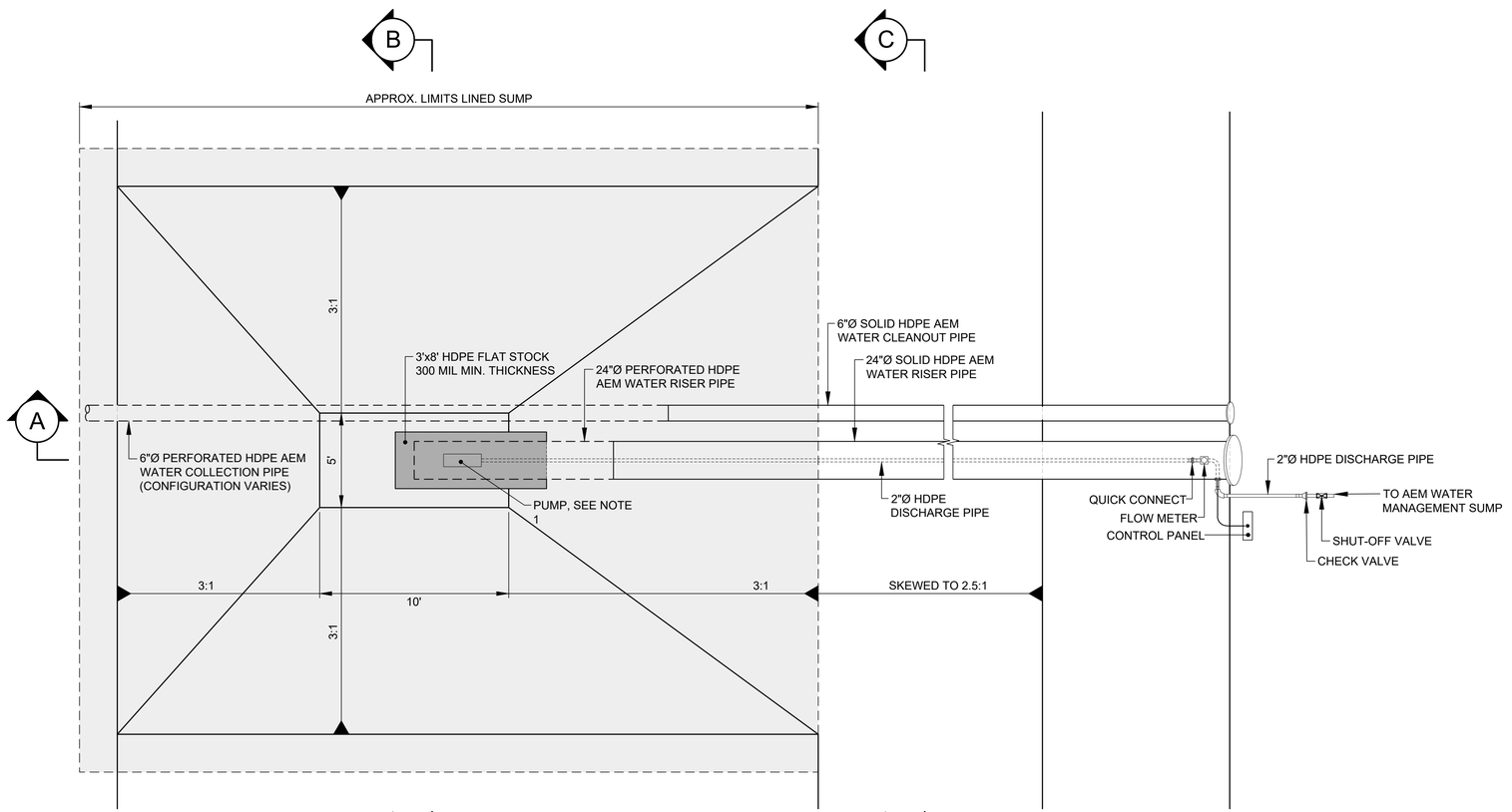
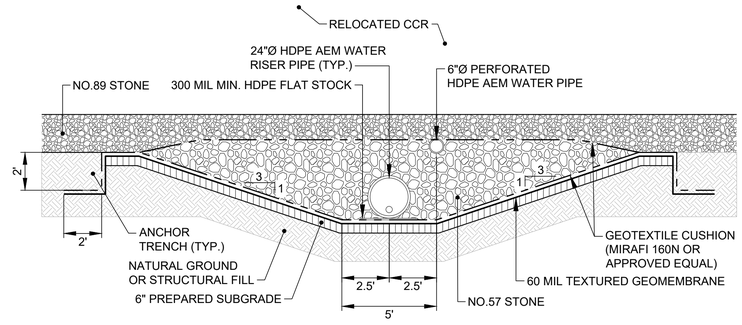
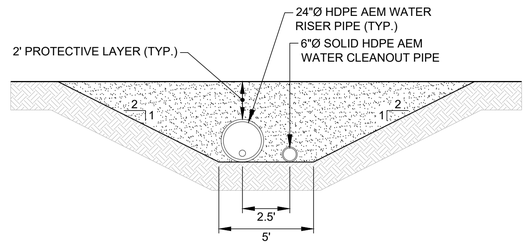
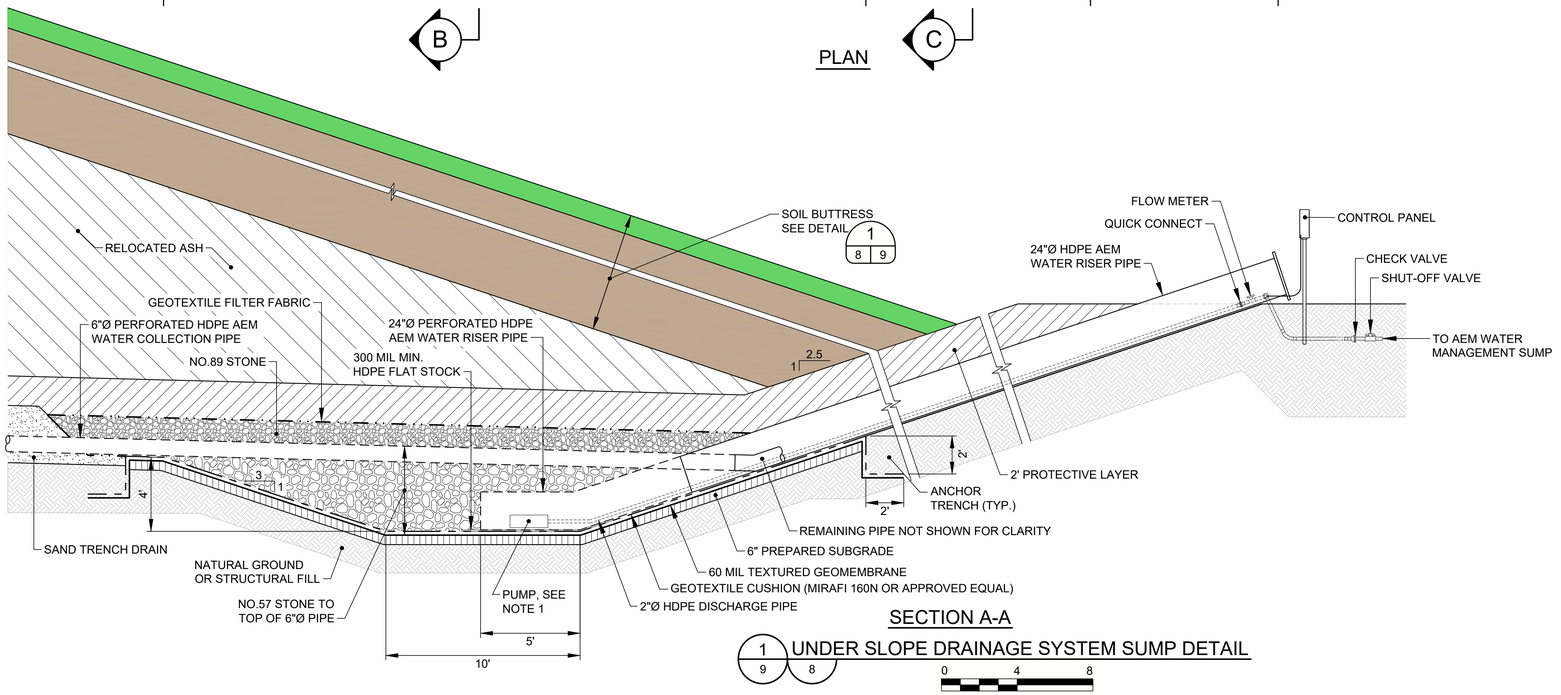




SECTION B-B



SECTION C-C



SECTION A-A

1 | 9 | 8 UNDER SLOPE DRAINAGE SYSTEM SUMP DETAIL

0 4 8
1" = 4' FEET

NOTE

1. UNDER SLOPE DRAINAGE SUMP PUMP TO BE 1.5 HP. 30 GPM, ABLE TO PUMP A DYNAMIC HEAD OF 90 VERTICAL FEET.

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CERTIFICATE NUMBER 034749

CLIENT
GEORGIA POWER COMPANY

Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
UNDER SLOPE DRAINAGE SYSTEM DETAILS

CONSULTANT
wsp

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DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 9

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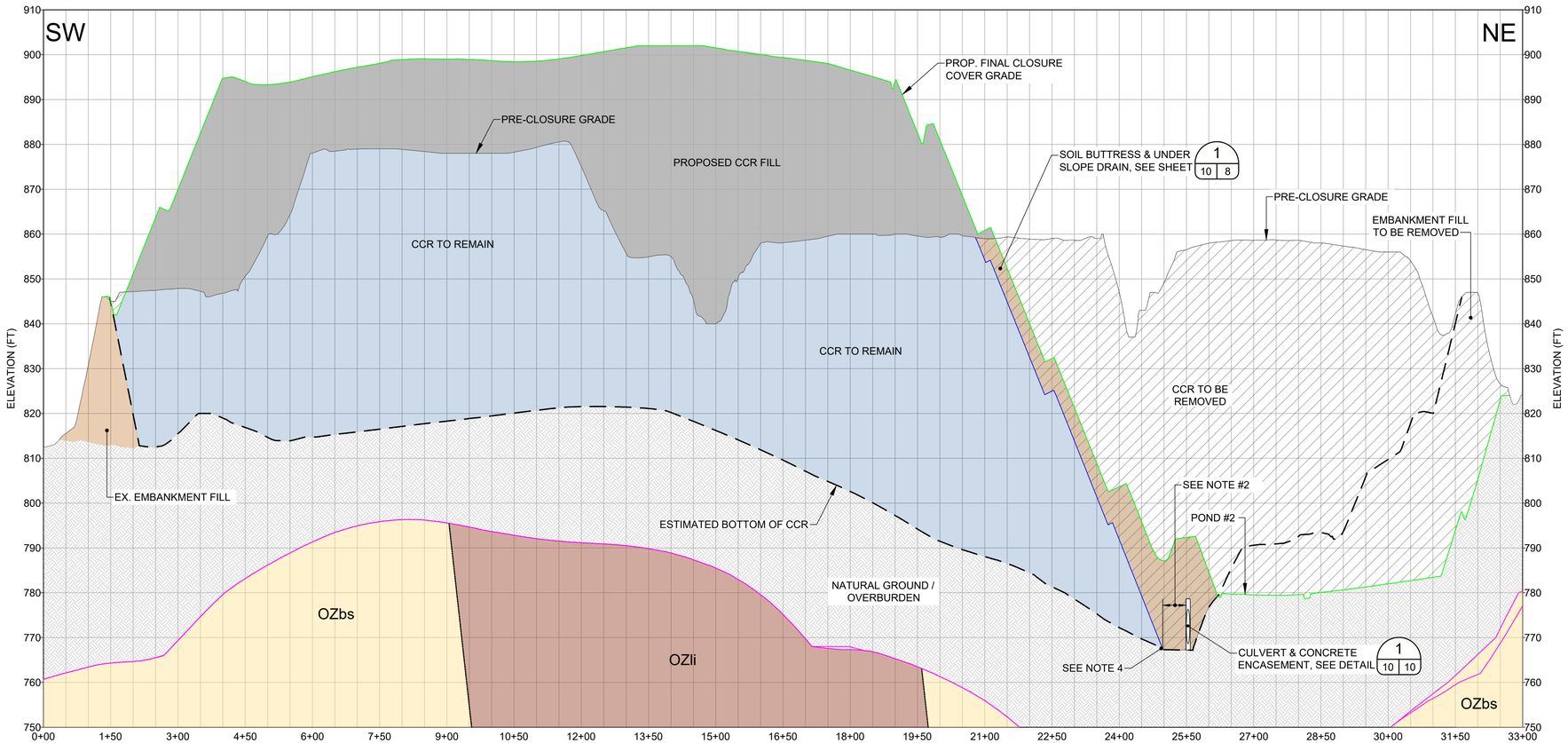


LEGEND

- CCR TO REMAIN
- EXISTING EMBANKMENT FILL
- CCR / SOIL TO BE REMOVED
- PROPOSED CCR FILL
- PROPOSED SOIL FILL
- NATURAL GROUND / OVERBURDEN (COMPRISED OF RESIDUAL SOILS, TRANSITIONALLY WEATHERED ROCK, AND FILL)
- PHYLLONITE, BUTTON SCHIST, MYLONITE, AND MYLONITIC BIOTITE GNEISS (OZbs)
- BIOTITE GNEISS, LONG ISLAND CREEK GNEISS (OZli)

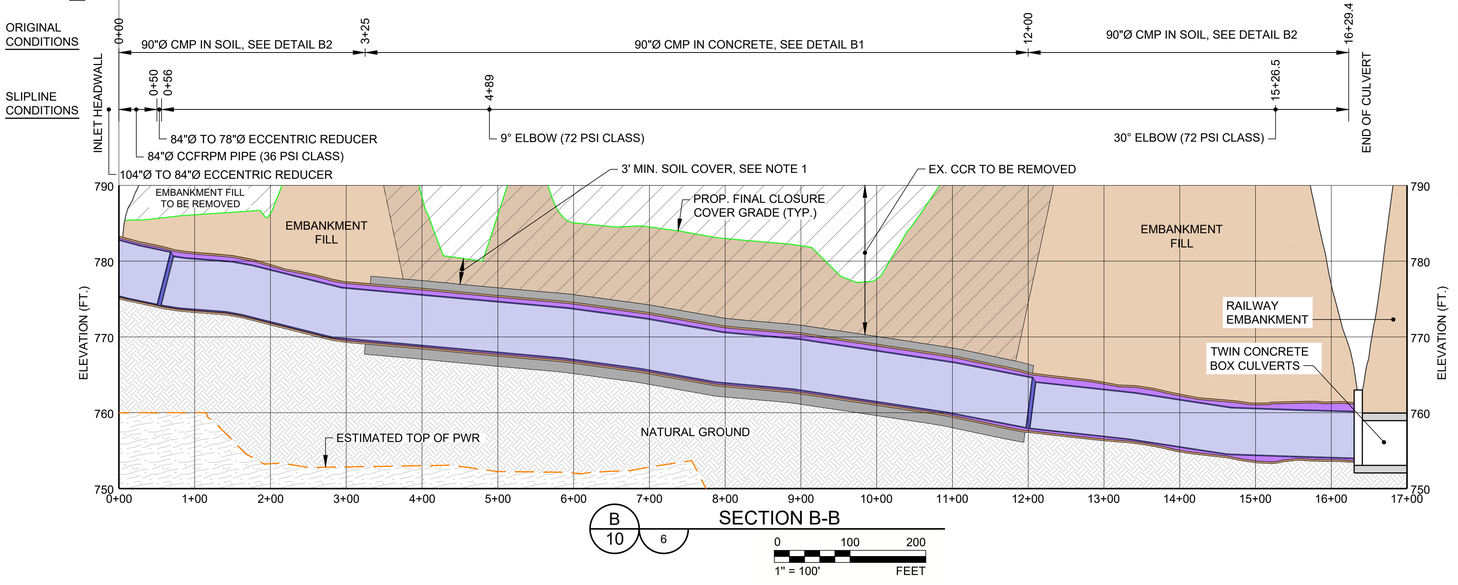
A 10 6 SECTION A-A

0 150 300
1" = 150' FEET

10X VERTICAL EXAGGERATION

NOTES

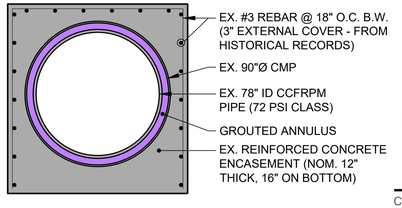
1. EXISTING CCR TO BE REMOVED FROM OVER AND AROUND EXISTING PIPE AND SOIL FILL TO BE PLACED BACK OVER PIPE.
2. MAINTAIN 50 FOOT BUFFER BETWEEN FINAL TOE OF CCR AND EXISTING EDGE OF CULVERT.
3. ESTIMATED BOTTOM OF CCR LIMITS ARE APPROXIMATE.
4. REFER TO SHEET 11A FOR UNDER DRAIN DETAILS.



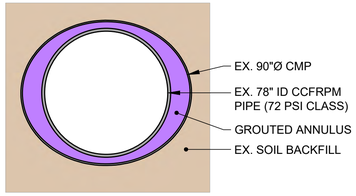
B 10 6 SECTION B-B

0 100 200
1" = 100' FEET

10X VERTICAL EXAGGERATION

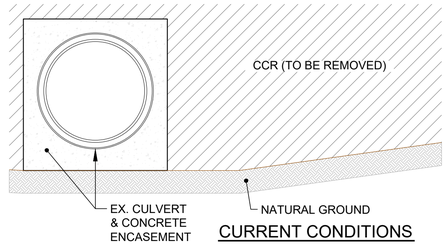


B1 10 CONCRETE ENCASED 90"Ø CMP SLIPLINED WITH CCFRPM PIPE



B2 10 90"Ø CMP IN SOIL SLIPLINED WITH CCFRPM PIPE

0 4 8
1" = 4' FEET



CONCEPTUAL CCR REMOVAL SEQUENCE AROUND EXISTING CULVERT

1 10 10 8

0 5 10
1" = 5' FEET

REFERENCES

1. THE PRE-CLOSURE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 10-16-2012. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 10-26-12. PROJECT NO. 13225 - 01-13-2013."

2. REVISED PRE-CLOSURE TOPOGRAPHY & CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA POWER LAND DEPARTMENT. THE DATA SHOWN IS AN UPDATE TO THE PLANS DONE ON 10-16-2012 & THE ONSITE CHANGES SINCE THAT 2012 SURVEY. THE REVISED SURVEY WAS DONE ON 1-12-2016 & MERGED WITH THE DATA ON 10-16-2012. GEORGIA POWER COMPANY PLANT MCDONOUGH ASH PONDS - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF SURVEY 1-12-2016.

GEORGIA DEPARTMENT OF NATURAL RESOURCES
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GEORGIA REGISTERED 3-26-2025 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
GEORGIA POWER COMPANY

Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
SITE SECTIONS - SHEET 1 OF 3

CONSULTANT
wsp

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
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PROJECT NO. 1777449 | REV. 0 | SHEET 10

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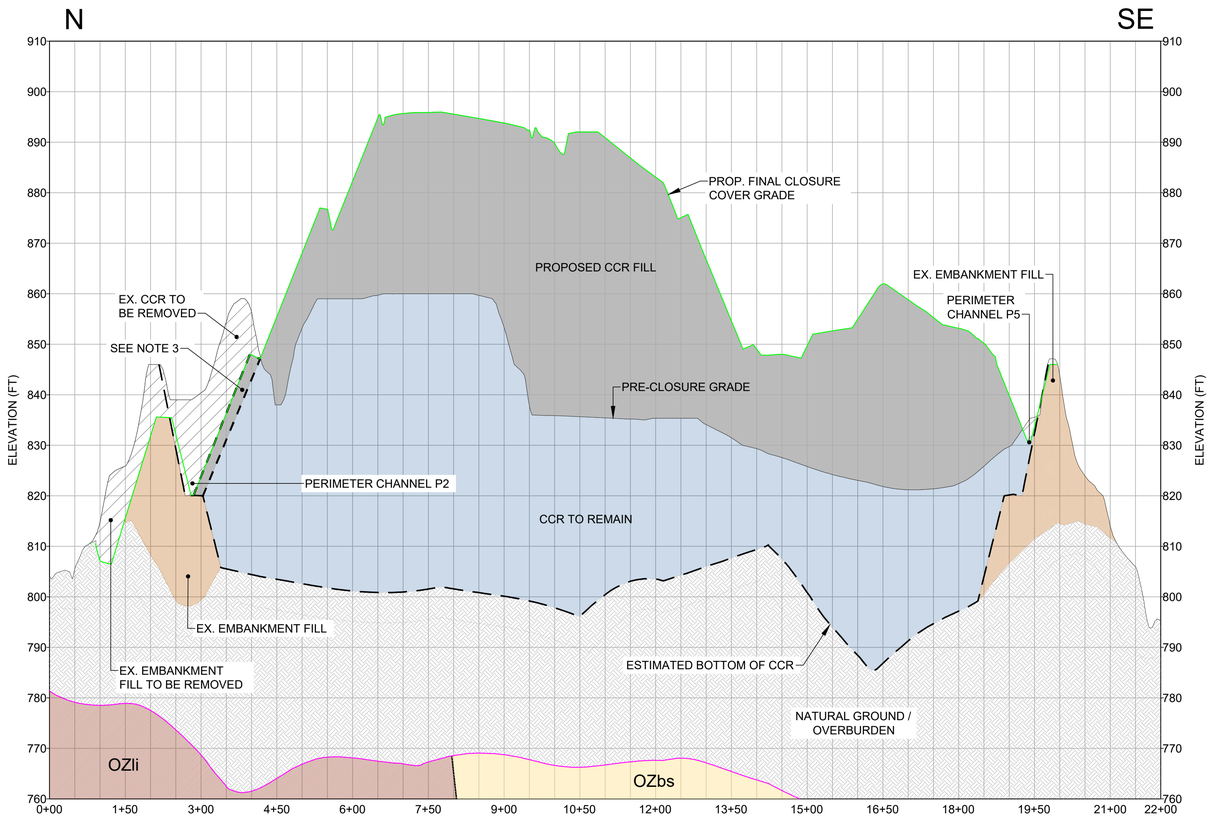
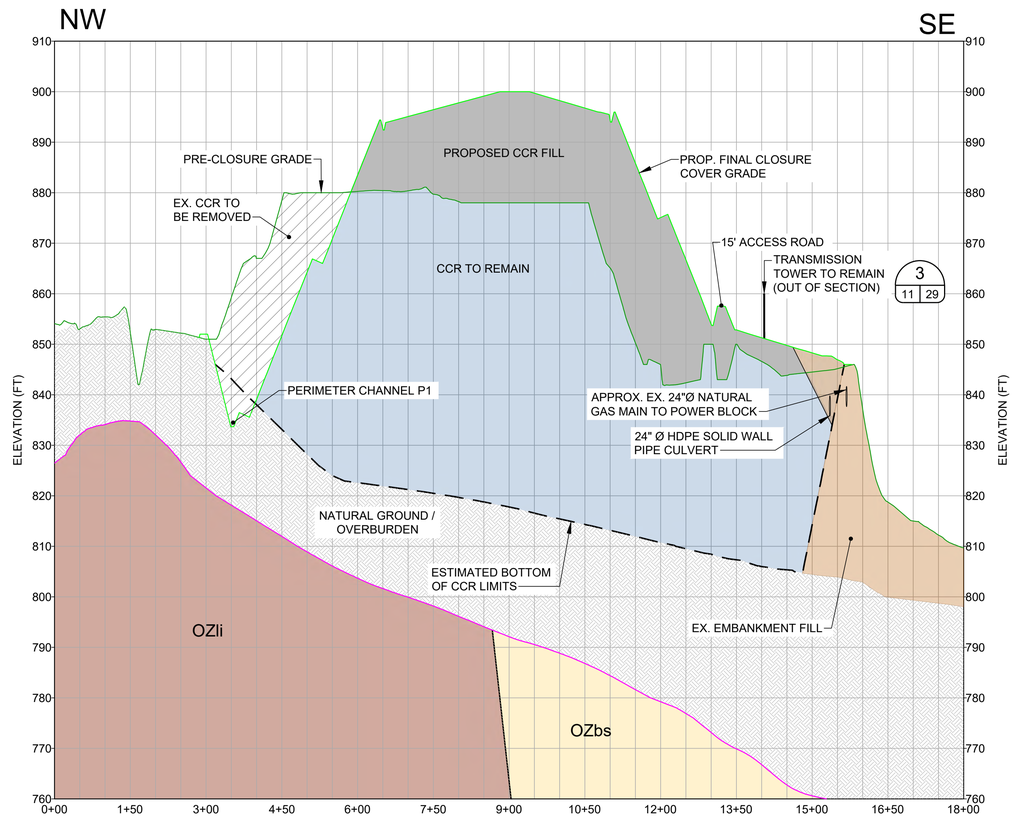


C 11 6 SECTION C-C

0 150 300
1" = 150' FEET
10X VERTICAL EXAGGERATION



D 11 6 SECTION D-D

0 150 300
1" = 150' FEET
10X VERTICAL EXAGGERATION

LEGEND

- CCR TO REMAIN
- EXISTING EMBANKMENT FILL
- CCR / SOIL TO BE REMOVED
- PROPOSED CCR FILL
- PROPOSED SOIL FILL

REFERENCES

1. THE PRE-CLOSURE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 10-16-2012. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 10-26-12. PROJECT NO. 13225 - 01-13-2013."

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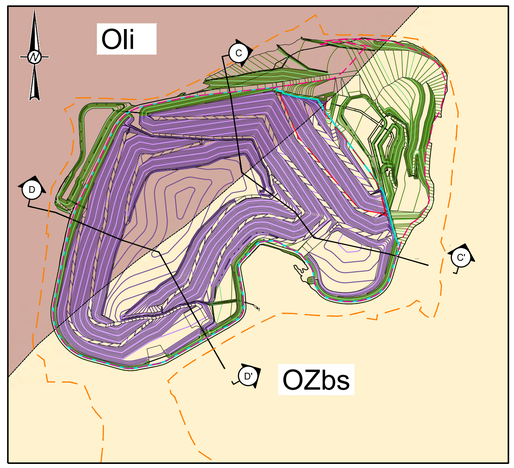
NOTES

1. 24 INCH DIAMETER NATURAL GAS FEED FOR POWER PLANT RUNS WITHIN THE SOUTHERN PORTION OF EXISTING ASH POND 3 PERIMETER BERM.

2. ESTIMATED BOTTOM OF CCR LIMITS ARE APPROXIMATE.

3. OVER EXCAVATE AND RECOMPACT CCR FILL ALONG NORTHERN PERIMETER CHANNEL A MINIMUM OF 20 FEET HORIZONTALLY TO BOTTOM OF CCR OR A MINIMUM OF FIVE FEET BELOW FINAL CHANNEL BOTTOM IF STILL IN CCR.



KEY MAP

NOTES

1. FINAL CLOSURE CONTOURS (PURPLE) DELINEATE FINAL LIMITS OF CCR.

2. CLOSURE CONTOURS OUTSIDE LIMITS OF CCR (GREEN) DELINEATE AREAS WHERE ANY EXISTING ASH IS TO BE COMPLETELY REMOVED.

LEGEND - KEY MAP

- FINAL CLOSURE CONTOURS (SEE NOTE 2)
- CLOSURE CONTOURS OUTSIDE LIMITS OF CCR
- PROPOSED PERMIT BOUNDARY AP-2, AP-3/4
- FINAL LIMITS OF LINER
- FINAL LIMITS OF CCR
- INTERPRETED GEOLOGIC CONTACT
- NATURAL GROUND / OVERBURDEN (COMPRISED OF RESIDUAL SOILS, TRANSITIONALLY WEATHERED ROCK, AND FILL)
- PHYLLONITE, BUTTON SCHIST, MYLONITE, AND MYLONITIC BIOTITE GNEISS (OZbs)
- BIOTITE GNEISS, LONG ISLAND CREEK GNEISS (OZli)

GEORGIA DEPARTMENT OF NATURAL RESOURCES
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GEORGIA REGISTERED 2-26-2025 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

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Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
SITE SECTIONS - SHEET 2 OF 3

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wsp

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DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 11

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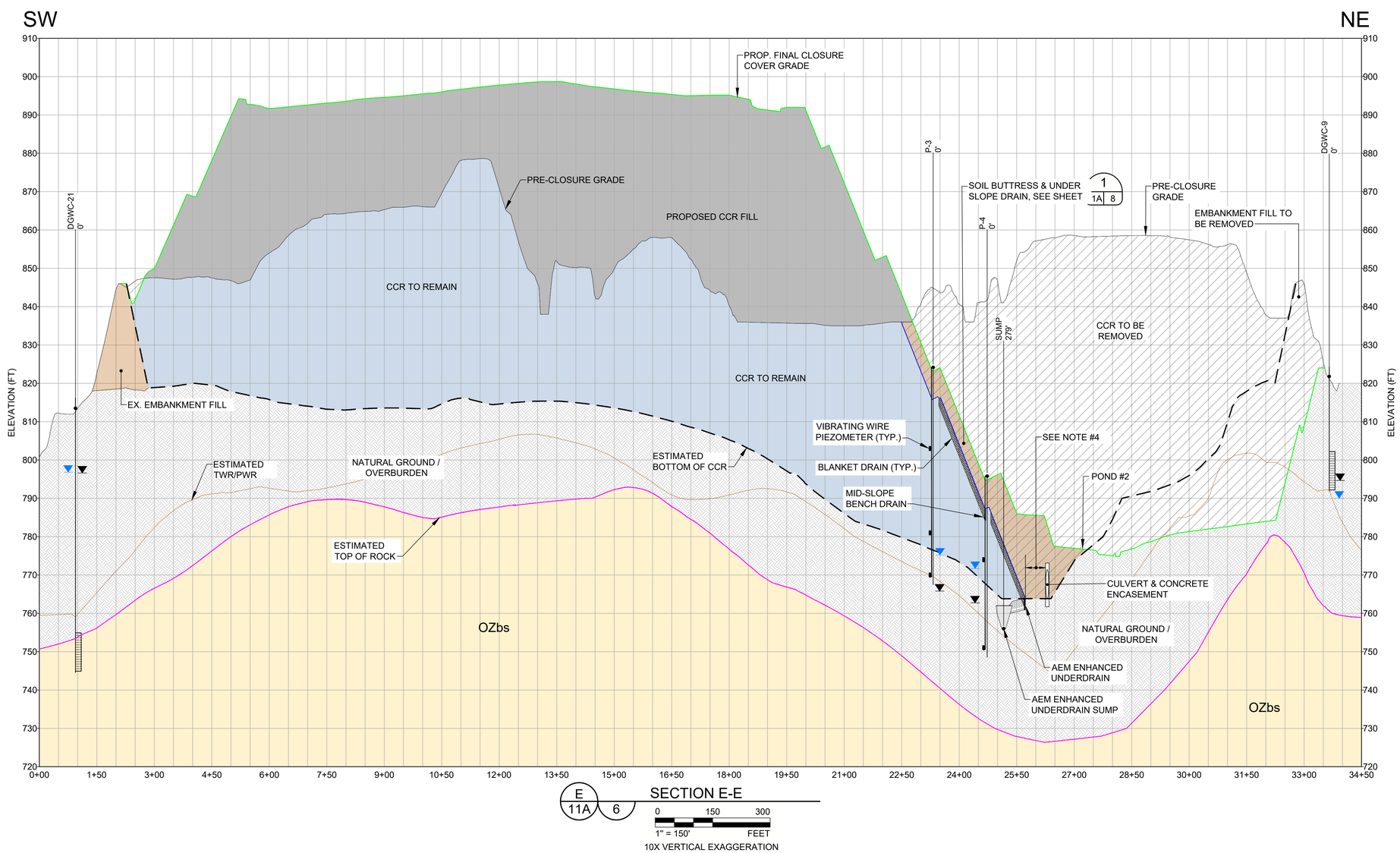
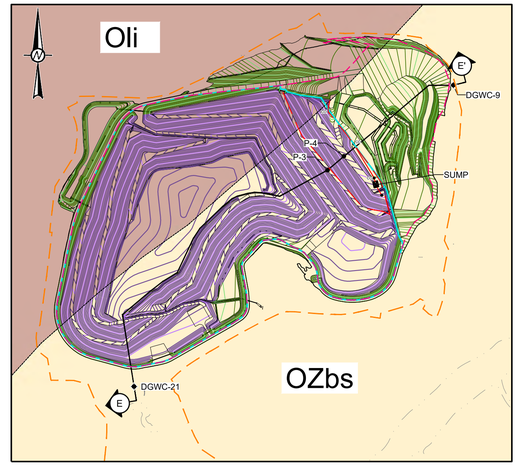


E
11A
6
SECTION E-E

0 150 300
1" = 150' FEET

10X VERTICAL EXAGGERATION



KEY MAP

LEGEND - KEY MAP

- FINAL CLOSURE CONTOURS
- CLOSURE CONTOURS OUTSIDE LIMITS OF CCR
- PROPOSED PERMIT BOUNDARY AP-2, AP-3/4
- FINAL LIMITS OF LINER
- FINAL LIMITS OF CCR
- INTERPRETED GEOLOGIC CONTACT

NOTES

1. FINAL CLOSURE CONTOURS (PURPLE) DELINEATE FINAL LIMITS OF CCR.

2. CLOSURE CONTOURS OUTSIDE LIMITS OF CCR (GREEN) DELINEATE AREAS WHERE ANY EXISTING ASH IS TO BE COMPLETELY REMOVED.

3. EXISTING CCR TO BE REMOVED FROM OVER AND AROUND EXISTING PIPE AND SOIL FILL TO BE PLACED BACK OVER PIPE.

4. MAINTAIN 50 FOOT BUFFER BETWEEN FINAL TOE OF CCR AND EXISTING EDGE OF CULVERT.

5. ESTIMATED BOTTOM OF CCR LIMITS ARE APPROXIMATE.

6. 24 INCH DIAMETER NATURAL GAS FEED FOR POWER PLANT RUNS WITHIN THE SOUTHERN PORTION OF EXISTING ASH POND 3 PERIMETER BERM.

REFERENCES

1. THE PRE-CLOSURE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 10-16-2012. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 10-26-12. PROJECT NO. 13225 - 01-13-2013."

2. REVISED PRE-CLOSURE TOPOGRAPHY & CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA POWER LAND DEPARTMENT. THE DATA SHOWN IS AN UPDATE TO THE PLANS DONE ON 10-16-2012 & THE ONSITE CHANGES SINCE THAT 2012 SURVEY. THE REVISED SURVEY WAS DONE ON 1-12-2016 & MERGED WITH THE DATA ON 10-16-2012. GEORGIA POWER COMPANY PLANT MCDONOUGH ASH PONDS - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF SURVEY 1-12-2016 - LAND ENG. PROJECT # 20160020.

LEGEND - SECTION

- CCR TO REMAIN
- CCR / SOIL TO BE REMOVED
- PROPOSED CCR FILL
- PROPOSED SOIL FILL
- NATURAL GROUND / OVERBURDEN (COMPRISED OF RESIDUAL SOILS, TRANSITIONALLY WEATHERED ROCK, AND FILL)
- PHYLLONITE, BUTTON SCHIST, MYLONITE, AND MYLONITIC BIOTITE GNEISS (OZbs)
- BIOTITE GNEISS, LONG ISLAND CREEK GNEISS (OZll)
- RECORDED GROUNDWATER ELEVATION (JANUARY 2025)
- PREDICTED POST-CLOSURE GROUNDWATER SURFACE
- B-29 -144' — BORING ID; DISTANCE FROM CROSS-SECTION (FEET) (- REPRESENTS LEFT OF ALIGNMENT)
- GROUND SURFACE ELEVATION
- SCREEN INTERNAL

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:29:51 -04'00'

GEORGIA REGISTERED 2-26-2025 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

CLIENT
GEORGIA POWER COMPANY

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
SITE SECTIONS - SHEET 3 OF 3

CONSULTANT
wsp

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	CRP
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 11A

0 1in IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

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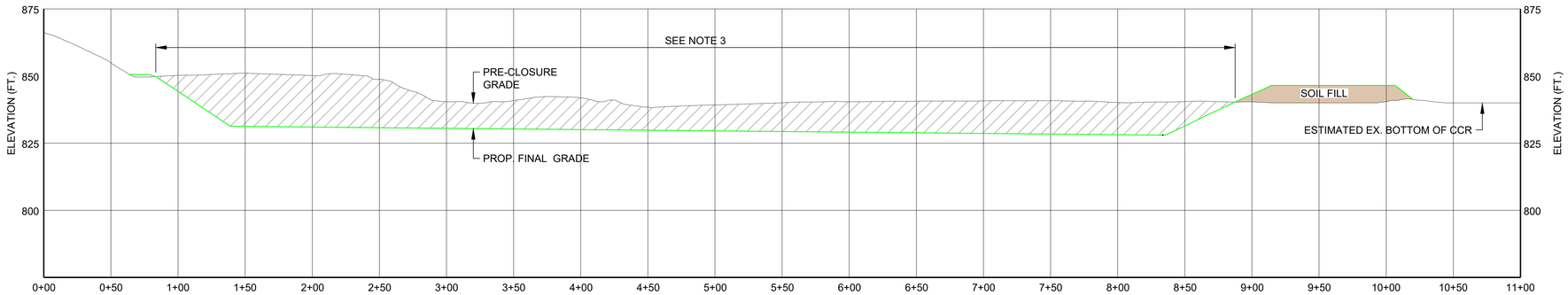
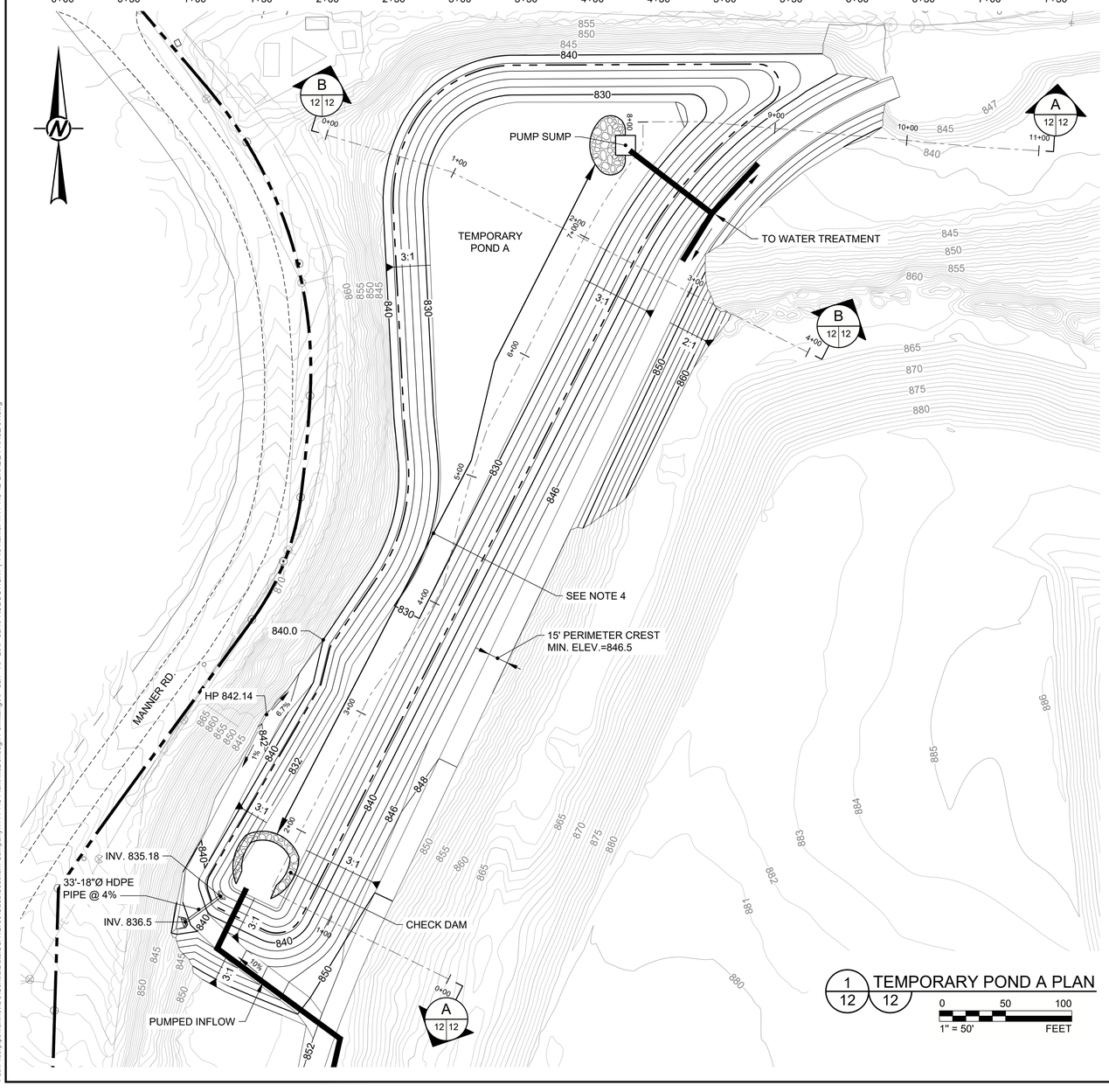


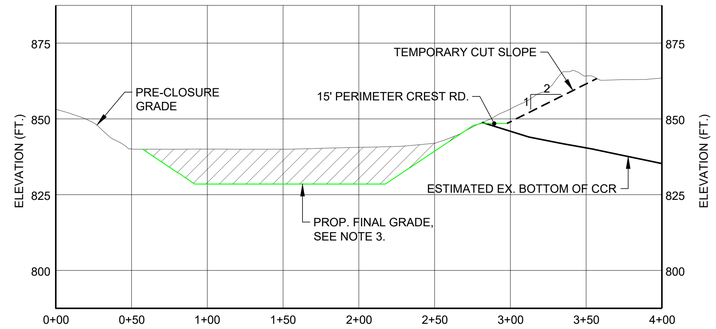
A 12 12 TEMPORARY POND A - SECTION A-A

0 50 100
1" = 50' FEET
2X VERTICAL EXAGGERATION



1 12 12 TEMPORARY POND A PLAN

0 50 100
1" = 50' FEET



B 12 12 TEMPORARY POND A - SECTION B-B

0 50 100
1" = 50' FEET
2X VERTICAL EXAGGERATION

LEGEND

- PRE-CLOSURE CONTOURS
- PROPERTY BOUNDARY
- UNPAVED PLANT ROAD
- EXISTING OVERHEAD ELECTRIC LINES IN CCR POND 3 & 4 AREA TO REMAIN & TO BE PROTECTED
- 850 / 848 PROPOSED CONTOURS
- PROPOSED PERMIT BOUNDARY AP-2, AP-3/4

HATCH LEGEND

- CCR / SOIL TO BE REMOVED
- PROPOSED SOIL FILL

NOTES

1. THE FOCUS OF PHASE 1 IS TO REMOVE CCR FROM THE NORTHWEST LIMITS OF THE PROJECT IN THE AREA THAT IS OUTSIDE THE FINAL LIMITS OF ASH POND 3. THE PROPOSED GRADING DEPICTED IS BASED ON THE BEST AVAILABLE INFORMATION OF THE LIMITS OF CCR. HOWEVER, FIELD VERIFICATION OF THE COMPLETE REMOVAL OF CCR IN THIS AREA WILL BE REQUIRED.

2. THE EXCAVATED AREA WILL SERVE AS TEMPORARY SEDIMENT POND A AND ULTIMATELY AS PERMANENT DETENTION POND 1, BOTH PROVIDING APPROXIMATELY 16.2 ACRE-FEET OF STORAGE FOR STORMWATER RUNOFF AND SEDIMENT CAPTURE. IN THIS PHASE, THE POND WILL NOT HAVE AN INLET OR OUTLET AS THE RECEIVING DITCHES HAVE NOT BEEN CONSTRUCTED. THEREFORE, WATER MANAGEMENT WILL REQUIRE PUMPS AND FORCEMAINS AS REQUIRED.

3. ADDITIONAL CCR MAY EXIST AND SHALL BE EXCAVATED AS PER REMOVAL PROTOCALS AND PLACED WITHIN FINAL LIMITS.

REFERENCES

1. THE PRE-CLOSURE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 10-16-2012. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 10-26-12.

2. REVISED PRE-CLOSURE TOPOGRAPHY & CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA POWER LAND DEPARTMENT. THE DATA SHOWN IS AN UPDATE TO THE PLANS DONE ON 10-16-2012 & THE ONSITE CHANGES SINCE THAT 2012 SURVEY. THE REVISED SURVEY WAS DONE ON 1-12-2016 & MERGED WITH THE DATA ON 10-16-2012. GEORGIA POWER COMPANY PLANT MCDONOUGH ASH PONDS - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF SURVEY 1-12-2016.

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

CLIENT
GEORGIA POWER COMPANY

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
AP - 3/4 PHASE 1 DEVELOPMENT PLAN

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:39:21 -04'00'

GEORGIA REGISTERED No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER
3-26-2025
GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CONSULTANT
wsp

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 REV. 0 SHEET 12

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

0 1in

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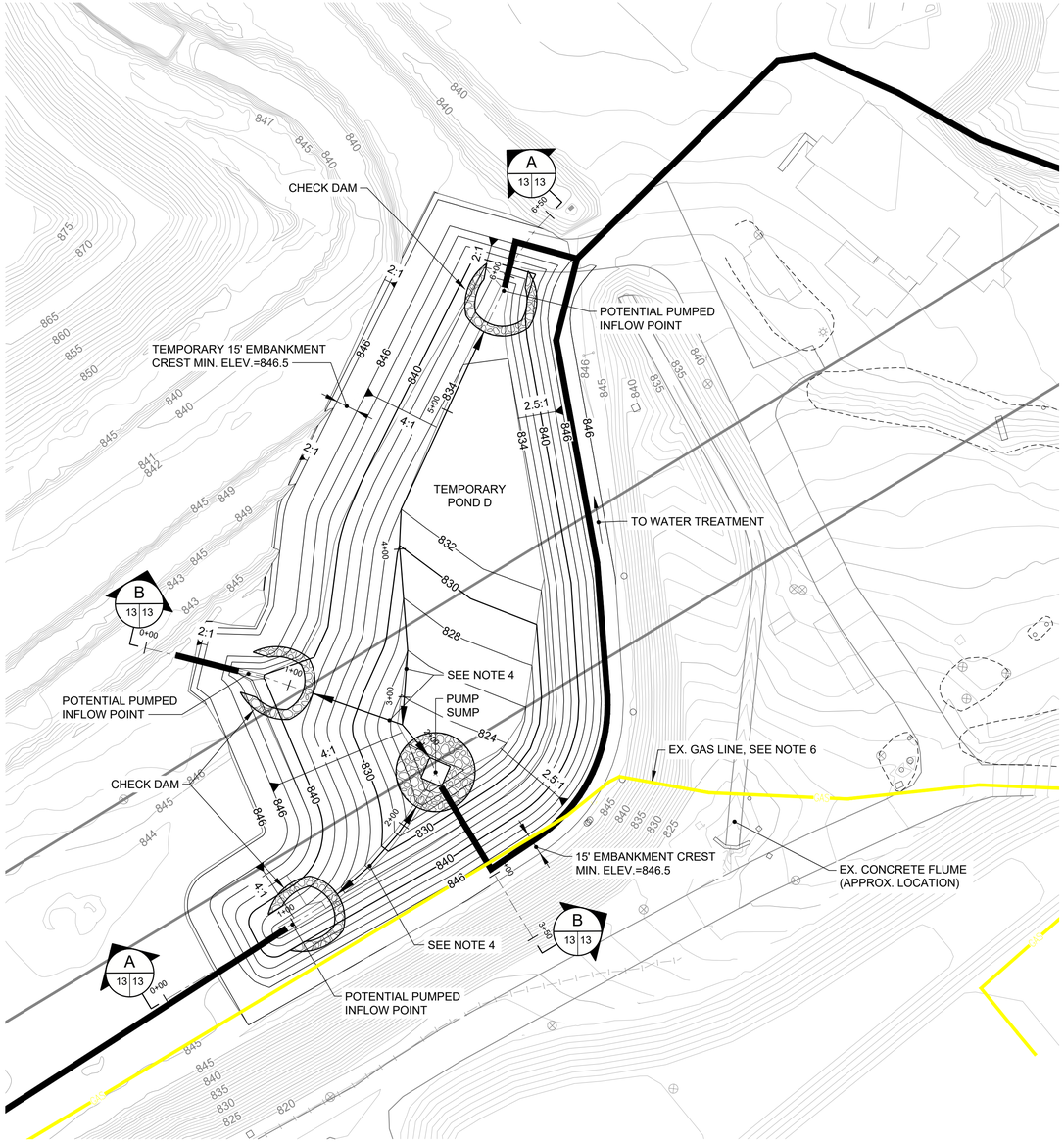
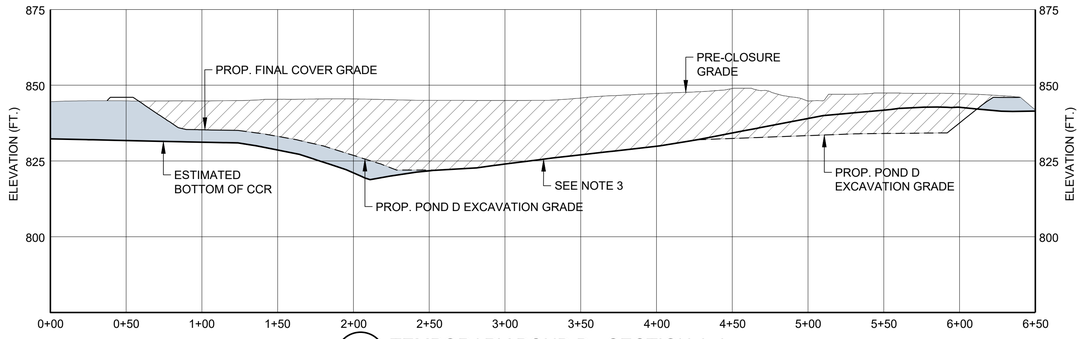


1 / 13 TEMPORARY POND D PLAN

0 50 100

1" = 50' FEET

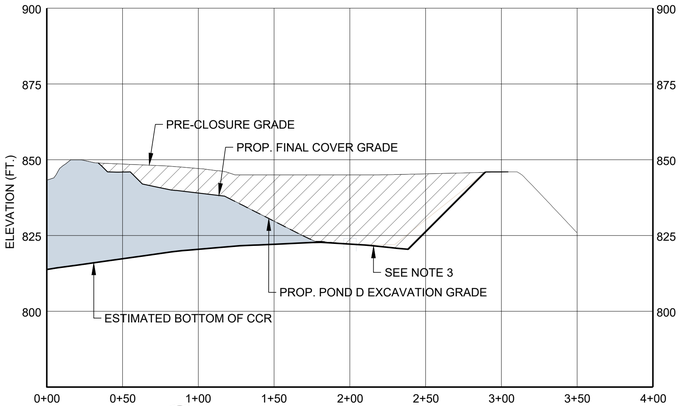


A / 13 13 TEMPORARY POND D - SECTION A-A

0 50 100

1" = 50' FEET

2X VERTICAL EXAGGERATION



B / 13 13 TEMPORARY POND D - SECTION B-B

0 50 100

1" = 50' FEET

2X VERTICAL EXAGGERATION

REFERENCES

1. THE PRE-CLOSURE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 10-16-2012. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 10-26-12.

2. REVISED PRE-CLOSURE TOPOGRAPHY & CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA POWER LAND DEPARTMENT. THE DATA SHOWN IS AN UPDATE TO THE PLANS DONE ON 10-16-2012 & THE ONSITE CHANGES SINCE THAT 2012 SURVEY. THE REVISED SURVEY WAS DONE ON 1-12-2016 & MERGED WITH THE DATA ON 10-16-2012. GEORGIA POWER COMPANY PLANT MCDONOUGH ASH PONDS - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF SURVEY 1-12-2016.

NOTES

1. THE FOCUS OF PHASE 2 IS TO REMOVE CCR FROM THE SOUTHEAST LIMITS OF ASH POND 3 IN PREPARATION FOR STORMWATER MANAGEMENT IN THIS AREA. THE GRADING DEPICTED IS BASED ON PROPOSED FINAL GRADES. HOWEVER, PLEASE REFER TO THE SECTIONS ON THIS SHEET FOR ADDITIONAL INFORMATION REGARDING OVER-EXCAVATING AND REPLACEMENT WITH SOIL STRUCTURAL FILL IN THIS AREA.

2. THE EXCAVATED AREA WILL SERVE AS TEMPORARY SEDIMENT POND D AND ULTIMATELY AS PERMANENT DETENTION POND 3, PROVIDING APPROXIMATELY 15.3 ACRE-FEET OF STORAGE FOR STORMWATER RUNOFF AND SEDIMENT CAPTURE. IN THIS PHASE, THE POND WILL NOT HAVE AN INLET OR OUTLET AS THE RECEIVING DITCHES HAVE NOT BEEN CONSTRUCTED. THEREFORE, WATER MANAGEMENT WILL REQUIRE PUMPS AND FORCEMAINS AS REQUIRED.

3. IF ADDITIONAL CCR EXISTS BELOW LIMITS OF DETENTION POND, REPLACE WITH SOIL FILL BETWEEN LINES EXTENDING FROM INTERIOR DAM FACE AND FINAL CLOSURE SLOPE.

4. THE WORK SHALL BE COORDINATED WITH WATER TREATMENT CONSULTANT AND GPC TO INSTALL AND MAINTAIN CHECK DAMS, FLOCCULATION POINTS AND OTHER SEDIMENT CONTROL FEATURES AS NEEDED.

5. TOPOGRAPHY SHOWN WITHIN TEMPORARY POND ARE FINAL GRADES, FOR PERMANENT POND 3. CONTRACTOR IS GIVEN FLEXIBILITY TO MAKE MINOR ADJUSTMENT TO TEMPORARY POND GRADING AS NEEDED TO BEST MANAGE CONSTRUCTION, AS LONG AS THE MINIMUM STORAGE AND PERIMETER DAM ARE MAINTAINED.

6. 24 INCH DIAMETER NATURAL GAS FEED FOR POWER PLANT RUNS WITHIN SOUTHERN PORTION OF EXISTING ASH POND 3 PERIMETER BERM. NO WORK WITHIN 50 FEET OF THIS LINE WITHOUT NOTIFICATION OF AND APPROVAL OF OWNER.

LEGEND

- PRE-CLOSURE CONTOURS
- EXISTING FENCE
- UNPAVED PLANT ROAD
- EXISTING GAS LINE
- EXISTING OVERHEAD ELECTRIC LINES IN CCR POND 3 & 4 AREA TO REMAIN & TO BE PROTECTED
- PROPOSED CONTOURS
- PROPOSED PERMIT BOUNDARY AP-2, AP-3/4

HATCH LEGEND

- CCR / SOIL TO BE REMOVED
- PROPOSED SOIL FILL
- CCR TO REMAIN

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:39:51 -04'00'

GEORGIA REGISTERED 2-26-2025 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
GEORGIA POWER COMPANY

Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
AP - 3/4 PHASE 2 DEVELOPMENT PLAN

CONSULTANT
wsp

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 REV. 0 SHEET 13

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

0 1 in

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PUMP SUMP - PUMPING TO POND D
PLANT ATKINSON RD.
TEMPORARY POND A
MANER RD.
CHECK DAM
SEE NOTE 1
PUMP SUMP AS NEEDED
EX. 90"Ø CMP
CHECK DAM
TEMPORARY POND B
P-7
P-6
P-5
P-4
P-3
P-2
P-1
PUMP SUMP
PIEZOMETER, SLOPE INCLINOMETER PAIR (TYP.), SEE SHEET 8
EX. 90"Ø CMP CULVERT
CHECK DAM
TEMPORARY POND C
EX. ASH POND 3 & 4 DISCHARGE STRUCTURE (SEE NOTE 6)
EX. GAS LINE
PUMP SUMP - PUMPING TO TEMP POND B
STORAGE AND WATER TREATMENT AREA
CHECK DAM
TEMPORARY PUMPED FORCEMAIN (TYP.)

NOTES

1. PHASE 3 BEGINS THE PROCESS OF EXCAVATING CCR FROM THE EXISTING CONVEYANCE CULVERT CORRIDOR OF ASH POND 4 AND STACKING IT ON ASH POND 3. THIS PHASE INCLUDES EXCAVATIONS TO APPROXIMATELY ELEVATION 830 AND STACKED HEIGHTS UP TO APPROXIMATELY ELEVATION 870. NOTE THAT THE TOP OF THE STACK ON ASH POND 3 WILL BE LEFT OPEN AND MOVE UP OR DOWN AS NEEDED TO ACCOUNT FOR ACTUAL QUANTITIES OF PLACED, COMPACTED CCR.
2. THE "OPEN WATER" AREA OF ASH POND 4 WILL BE DEWATERED.
3. TEMPORARY SEDIMENT POND A WILL HAVE ITS INLET AND OUTLET CONSTRUCTED IN THIS PHASE. HOWEVER, THE OUTLET WILL NOT BE MADE OPERATIONAL AND INSTEAD WILL SERVE AS A SUMP FOR PUMPING OPERATIONS. THE METHOD OF ACHIEVING THIS IS ENVISIONED TO BE A TEMPORARY PLUG INSERTED INTO THE OUTLET PIPE AT THE UPSTREAM END, BUT OTHER MEANS OF CLOSING THIS SYSTEM PROPOSED BY THE CONTRACTOR WILL BE CONSIDERED.
4. TEMPORARY SEDIMENT POND B WILL BE CONSTRUCTED IN THE EARLY STAGES OF THIS PHASE, AND WILL BE A LINED POND WITHOUT INLETS OR OUTLETS AND WILL PROVIDE APPROXIMATELY 17.0 ACRE-FEET OF STORAGE FOR STORMWATER RUNOFF AND SEDIMENT CAPTURE.
5. TEMPORARY SEDIMENT PONDS A, B, AND D WILL ALL BE OPERATIONAL IN THIS PHASE PROVIDING STORAGE FOR STORMWATER RUNOFF AND SEDIMENT CAPTURE. PUMPING SYSTEMS TO MOVE STORMWATER FROM ONE POND TO THE OTHER SHALL BE ESTABLISHED AS NEEDED AND COORDINATED WITH GPC.
6. THE EXISTING ASH POND 4 OUTLET STRUCTURE IS TO SERVE AS THE DISCHARGE POINT FOR THE TREATED WATER FROM THE DEWATERING TREATMENT SYSTEM. AS SUCH, MODIFICATIONS AND/OR OPERATION MAY BE REQUIRED TO PREVENT UNTREATED WATER FROM BEING DISCHARGED. AS THIS IS A CATEGORY I DAM REGULATED BY THE GEORGIA SAFE DAMS PROGRAM (GASDP), ANY MODIFICATIONS OR ATYPICAL OPERATIONS WILL REQUIRE THE PRIOR APPROVAL OF THE GASDP AND THE SOUTHERN COMPANY HYDRO GROUP.
7. CCR DELINEATION IS ONGOING THROUGHOUT CONSTRUCTION AND WILL CONTINUE UNTIL THE COMPLETION OF CLOSURE CERTIFICATION. ALL CCR WITHIN THE CLOSURE PERMIT BOUNDARY TO BE EITHER EXCAVATED OR PLACED WITHIN THE FINAL COVER LIMITS.

REFERENCES

1. THE EXISTING SITE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SHEET IS 03-18-2018. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 03-18-2018."

LEGEND

- EXISTING CONTOURS (MARCH 2018)
- PROPOSED CONTOURS
- PROPERTY BOUNDARY MARKERS/LIMITS
- EXISTING UNPAVED PLANT ROAD
- EXISTING STREAM DIVERSION CULVERT
- PROPOSED PERMIT BOUNDARY AP-2, AP-3/4
- EXISTING OVERHEAD ELECTRIC LINES IN CCR POND 3 & 4 AREA TO REMAIN & TO BE PROTECTED
- 850 / 848 PROPOSED CONTOURS
- P-2 DUAL VW PIEZOMETER & INCLINOMETER
- P-1 TRI DUAL LEVEL VW PIEZOMETER & INCLINOMETER
- P-7 DUAL LEVEL VW PIEZOMETER
- CUT CCR EXCAVATION
- FILL CCR AND COVER MATERIAL PLACEMENT

0 150 300
1" = 150' FEET

GEORGIA REGISTERED 3-26-2025 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:59:33 -04'00'

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

CLIENT
GEORGIA POWER COMPANY
Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
AP - 3/4 PHASE 3 DEVELOPMENT PLAN

CONSULTANT
wsp

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 14

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

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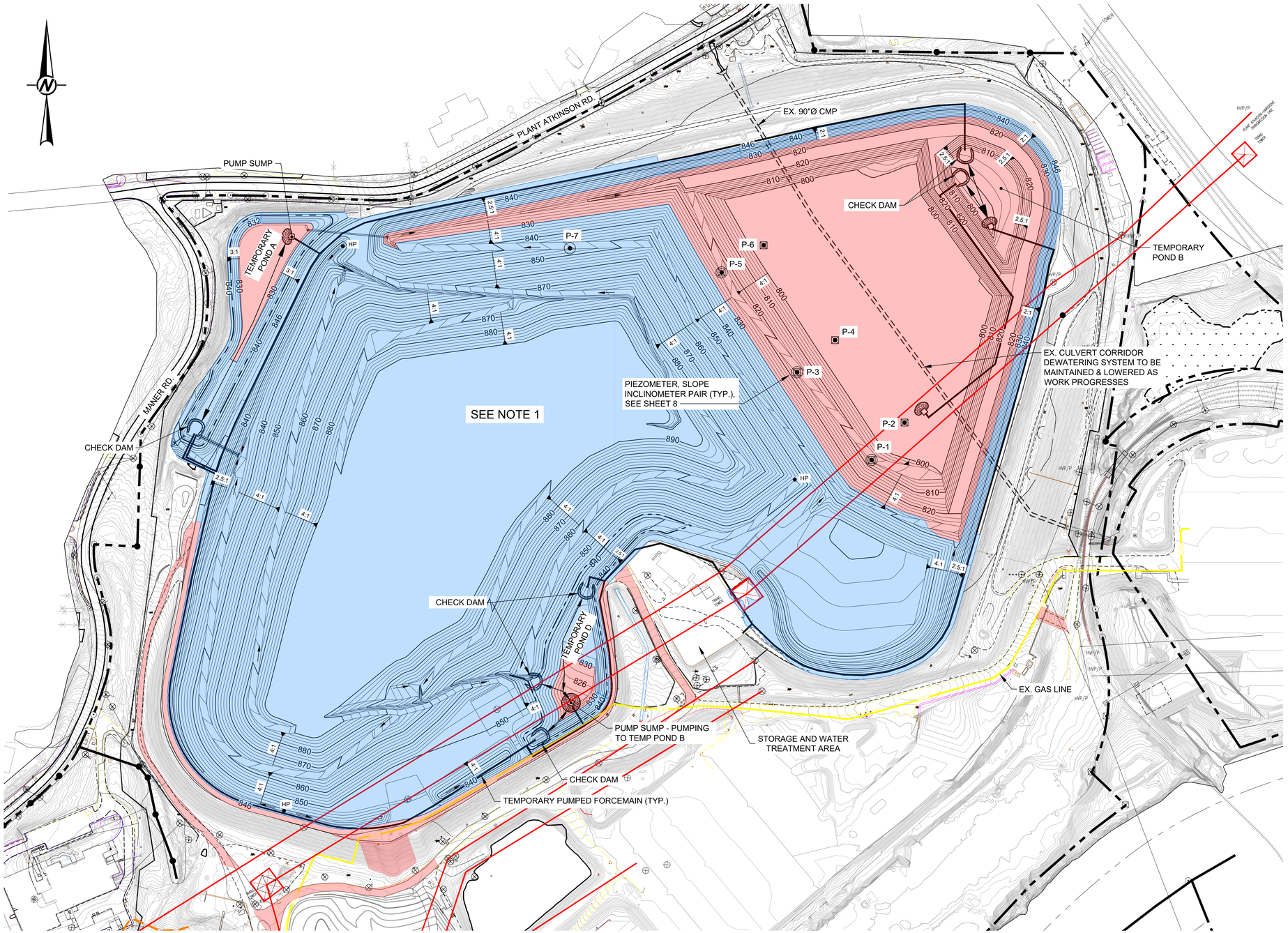

NOTES

1. PHASE 4 CONTINUES THE PROCESS OF EXCAVATING CCR FROM THE EXISTING CONVEYANCE CULVERT CORRIDOR OF ASH POND 4 AND STACKING IT ON ASH POND 3. THIS PHASE INCLUDES ALL EXCAVATIONS TO APPROXIMATELY ELEVATION 800 AND STACKED HEIGHT UP TO ELEVATION 890. NOTE THAT THE TOP OF THE STACK ON ASH POND 3 WILL BE LEFT OPEN AND MOVE UP OR DOWN AS NEEDED TO ACCOUNT FOR ACTUAL QUANTITIES OF PLACED, COMPACTED CCR.
2. TEMPORARY SEDIMENT PONDS A, B, AND D WILL ALL BE OPERATIONAL IN VARIOUS DURING THIS PHASE PROVIDING STORAGE FOR STORMWATER RUNOFF AND SEDIMENT CAPTURE. PUMPING SYSTEMS TO MOVE STORMWATER FROM ONE POND TO THE OTHER SHALL BE ESTABLISHED AS NEEDED AND COORDINATED WITH GPC.
3. THE EXISTING ASH POND 4 OUTLET STRUCTURE IS TO SERVE AS THE DISCHARGE POINT FOR THE TREATED WATER FROM THE DEWATERING TREATMENT SYSTEM. AS SUCH, MODIFICATIONS AND/OR OPERATION MAY BE REQUIRED TO PREVENT UNTREATED WATER FROM BEING DISCHARGED. AS THIS IS A CATEGORY I DAM REGULATED BY THE GEORGIA SAFE DAMS PROGRAM (GASDP), ANY MODIFICATIONS OR ATYPICAL OPERATIONS WILL REQUIRE THE PRIOR APPROVAL OF THE GASDP AND THE SOUTHERN COMPANY HYDRO GROUP.
4. CCR DELINEATION IS ONGOING THROUGHOUT CONSTRUCTION AND WILL CONTINUE UNTIL THE COMPLETION OF CLOSURE CERTIFICATION. ALL CCR WITHIN THE CLOSURE PERMIT BOUNDARY TO BE EITHER EXCAVATED OR PLACED WITHIN THE FINAL COVER LIMITS.

REFERENCES

1. THE EXISTING SITE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SHEET IS 03-18-2018. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 03-18-2018."

LEGEND

- EXISTING CONTOURS (MARCH 2018)
- PROPOSED CONTOURS
- PROPERTY BOUNDARY MARKERS/LIMITS
- EXISTING UNPAVED PLANT ROAD
- EXISTING STREAM DIVERSION CULVERT
- PROPOSED PERMIT BOUNDARY AP-2, AP-3/4
- EXISTING OVERHEAD ELECTRIC LINES IN CCR POND 3 & 4 AREA TO REMAIN & TO BE PROTECTED
- EXISTING GAS LINE
- P-2 DUAL VW PIEZOMETER & INCLINOMETER
- P-1 TRI LEVEL VW PIEZOMETER & INCLINOMETER
- P-7 DUAL LEVEL VW PIEZOMETER
- CUT CCR EXCAVATION
- FILL CCR AND COVER MATERIAL PLACEMENT

0 150 300
1" = 150' FEET

GEORGIA REGISTERED 3-26-2025 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:59:31 -04'00'

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

CLIENT
GEORGIA POWER COMPANY

Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
AP - 3/4 PHASE 4 DEVELOPMENT PLAN

CONSULTANT
wsp

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 15

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

Path: \\corp.ptxwn.net\US\Central\Data\USATL70\Cad\Southern Company\1777449 Plant McDonough Permitting\AP-3&4 - AP-2\AP-3&4\PRODUCTION\ | File Name: 1777449 15 GRADE PHASE 04.dwg

PLANT ATKINSON RD
PUMP SUMP/
RISE STRUCTURE
CHECK DAM
TEMPORARY
POND A
MANER RD
CHECK DAM
PIEZOMETER, SLOPE
INCLINOMETER PAIR (TYP.)
PIEZOMETER (TYP.)
P-1
P-2
P-3
P-4
P-5
P-6
P-7
CHECK DAM
TEMPORARY POND D
CHECK DAM
PUMP SUMP
STORAGE AND WATER
TREATMENT AREA
CHECK DAM
TEMPORARY
POND B
PUMP SUMP
PUMP SUMP
EX. 90"Ø CMP CULVERT
EX. GAS LINE
HP
3%

NOTES

1. PHASE 5 CONTINUES THE PROCESS OF EXCAVATING COAL ASH FROM THE EXISTING CONVEYANCE CULVERT CORRIDOR OF ASH POND 4 AND STACKING IT ON ASH POND 3. THIS PHASE INCLUDES ALL EXCAVATIONS TO ACHIEVE THE CLEAN CLOSURE OF THE EASTERN PORTIONS OF THE PROJECT AND STACKED HEIGHTS UP TO THE FINAL ELEVATION ESTIMATED TO BE APPROXIMATELY 898-902. NOTE THAT THE TOP OF THE STACK ON ASH POND 3 WILL BE LEFT OPEN AND MOVE UP OR DOWN AS NEEDED TO ACCOUNT FOR ACTUAL QUANTITIES OF PLACED, COMPACTED COAL ASH.
2. TEMPORARY SEDIMENT PONDS A, B, AND D WILL ALL BE OPERATIONAL IN VARIOUS DURING OF THIS PHASE PROVIDING STORAGE FOR STORMWATER RUNOFF AND SEDIMENT CAPTURE. PUMPING SYSTEMS TO MOVE STORMWATER FROM ONE POND TO THE OTHER SHALL BE ESTABLISHED AS NEEDED.
3. THE PORTIONS OF THE MAIN EXCAVATION SLOPE BELOW ELEVATION 860 FEET RECEIVE A SOIL FILL STABILITY BERM OF MINIMUM 30 FOOT WIDTH ON TOP OF THE FINISH ASH EXCAVATION SLOPE FOR ELEVATIONS ABOVE THE BOTTOM BENCH, AND MINIMUM 60 FOOT WIDTH BELOW THE BOTTOM BENCH AS SHOWN ON DRAWING 8.
4. AN UNDER SLOPE DRAIN SYSTEM IS TO BE CONSTRUCTED ALONG THE FINISH ASH EXCAVATION SLOPE BENEATH THE SOIL BUTTRESS FOR ALL AREAS BELOW THE 2ND BENCH FROM THE BOTTOM AS PER SHEET 8.
5. THE EXISTING ASH POND 4 OUTLET STRUCTURE IS TO SERVE AS THE DISCHARGE POINT FOR THE TREATED WATER FROM THE DEWATERING TREATMENT SYSTEM. AS SUCH, MODIFICATIONS AND/OR OPERATION MAY BE REQUIRED TO PREVENT UNTREATED WATER FROM BEING DISCHARGED. AS THIS IS A CATEGORY I DAM REGULATED BY THE GEORGIA SAFE DAMS PROGRAM (GASDP), ANY MODIFICATIONS OR ATYPICAL OPERATIONS WILL REQUIRE THE PRIOR APPROVAL OF THE GASDP AND THE SOUTHERN COMPANY HYDRO GROUP.
6. CCR DELINEATION IS ONGOING THROUGHOUT CONSTRUCTION AND WILL CONTINUE UNTIL THE COMPLETION OF CLOSURE CERTIFICATION. ALL CCR WITHIN THE CLOSURE PERMIT BOUNDARY TO BE EITHER EXCAVATED OR PLACED WITHIN THE FINAL COVER LIMITS.

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:39:33 -04'00'

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

0 150 300
1" = 150' FEET

REFERENCES

1. THE EXISTING SITE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SHEET IS 03-18-2018. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 03-18-2018."

LEGEND

- EXISTING CONTOURS (MARCH 2018)
- PROPOSED CONTOURS
- PROPERTY BOUNDARY MARKERS/LIMITS
- EXISTING UNPAVED PLANT ROAD
- EXISTING STREAM DIVERSION CULVERT
- PROPOSED PERMIT BOUNDARY AP-2, AP-3/4
- EXISTING OVERHEAD ELECTRIC LINES IN CCR POND 3 & 4 AREA TO REMAIN & TO BE PROTECTED
- EXISTING GAS LINE
- P-2 DRAL VW PIEZOMETER & INCLINOMETER
- P-1 TRI LEVEL VW PIEZOMETER & INCLINOMETER
- P-7 DUAL LEVEL VW PIEZOMETER
- CUT CCR EXCAVATION
- FILL CCR AND COVER MATERIAL PLACEMENT

GEORGIA
REGISTERED
3-26-2025
No. PE034749
PROFESSIONAL
ENGINEER
GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
GEORGIA POWER COMPANY

Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
AP - 3/4 PHASE 5 DEVELOPMENT PLAN

CONSULTANT
wsp

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 16

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

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NOTES

1. PHASE 6 MARKS THE COMPLETION OF FINAL GRADES AND ACCESS ROUTES TO ALL PORTIONS OF THE SITE. THIS PHASE INCLUDES THE COMPLETION OF THE STRUCTURAL FILL STABILITY BERM AND THE COMPLETION OF THE CLOSURE TURF CAPPING SYSTEM.
2. DETENTION POND 2 WILL BE CONSTRUCTED AS THE FIRST STAGE OF THIS PHASE IN ORDER TO PROVIDE STORMWATER AND SEDIMENT STORAGE FOR THE SITE WORK INVOLVED IN THIS PHASE.
3. TEMPORARY SEDIMENT POND B WILL BE DEMOLISHED IN THE EARLY STAGES OF THIS PHASE TO ALLOW FOR THE SITE WORK TO BE COMPLETED EAST OF THE EXISTING CONVEYANCE CULVERT.
4. TEMPORARY SEDIMENT PONDS A, B, AND D AND DETENTION POND 2 WILL ALL BE OPERATIONAL IN VARIOUS STAGES OF THIS PHASE PROVIDING STORAGE FOR STORMWATER RUNOFF AND SEDIMENT CAPTURE. PUMPING SYSTEMS TO MOVE STORMWATER FROM ONE POND TO THE OTHER SHALL BE ESTABLISHED AS NEEDED AND COORDINATED WITH GPC.
5. THE EXISTING ASH POND 4 OUTLET STRUCTURE IS TO SERVE AS THE DISCHARGE POINT FOR THE TREATED WATER FROM THE DEWATERING TREATMENT SYSTEM. AS SUCH, MODIFICATIONS AND/OR OPERATION MAY BE REQUIRED TO PREVENT UNTREATED WATER FROM BEING DISCHARGED. AS THIS IS A CATEGORY I DAM REGULATED BY THE GEORGIA SAFE DAMS PROGRAM (GASDP), ANY MODIFICATIONS OR ATYPICAL OPERATIONS WILL REQUIRE THE PRIOR APPROVAL OF THE GASDP AND THE SOUTHERN COMPANY HYDRO GROUP.
6. DETENTION PONDS 1, 2, AND 3 WILL NOT BE CONVERTED TO PERMANENT STORMWATER MANAGEMENT PONDS UNTIL 1) ALL COAL ASH HAS BEEN CAPPED; 2) ALL STORMWATER CONTROLS HAVE BEEN CONSTRUCTED; 3) ALL NON-CAPPED PORTIONS OF DISTURBANCE HAVE BEEN PERMANENTLY STABILIZED; AND 4) ALL SEDIMENTS CAPTURED IN THE PONDS HAVE BEEN REMOVED AND ASH REMOVED AS PER REMOVAL PROTOCALS.
7. THE PORTIONS OF THE MAIN EXCAVATION SLOPE BELOW ELEVATION 860 FEET RECEIVE A STRUCTURAL FILL STABILITY BERM OF MINIMUM 30 FOOT HORIZONTAL WIDTH ON TOP OF THE FINISH ASH EXCAVATION SLOPE FOR ELEVATIONS ABOVE THE BOTTOM BENCH, AND MINIMUM 60 FOOT HORIZONTAL WIDTH BELOW THE BOTTOM BENCH AS SHOWN ON DRAWING 8.
8. CCR DELINEATION IS ONGOING THROUGHOUT CONSTRUCTION AND WILL CONTINUE UNTIL THE COMPLETION OF CLOSURE CERTIFICATION. ALL CCR WITHIN THE CLOSURE PERMIT BOUNDARY TO BE EITHER EXCAVATED OR PLACED WITHIN THE FINAL COVER LIMITS.

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:33:10 -04'00'

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

0 150 300
1" = 150' FEET

REFERENCES

1. THE EXISTING SITE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SHEET IS 03-18-2018. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 03-18-2018."

LEGEND

- EXISTING CONTOURS (MARCH 2018)
- PROPOSED CONTOURS
- PROPERTY BOUNDARY MARKERS/LIMITS
- EXISTING UNPAVED PLANT ROAD
- EXISTING STREAM DIVERSION CULVERT
- PROPOSED PERMIT BOUNDARY AP-2, AP-3/4
- EXISTING OVERHEAD ELECTRIC LINES IN CCR POND 3 & 4 AREA TO REMAIN & TO BE PROTECTED
- EXISTING GAS LINE
- P-2 DUAL VW PIEZOMETER & INCLINOMETER
- P-1 TRI LEVEL VW PIEZOMETER & INCLINOMETER
- P-7 DUAL LEVEL VW PIEZOMETER
- CUT EXCAVATION
- FILL AND COVER MATERIAL PLACEMENT

GEORGIA REGISTERED No. PE034749 PROFESSIONAL ENGINEER
GREGORY L. HEBELER
GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
GEORGIA POWER COMPANY

Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
AP - 3/4 PHASE 6 DEVELOPMENT PLAN

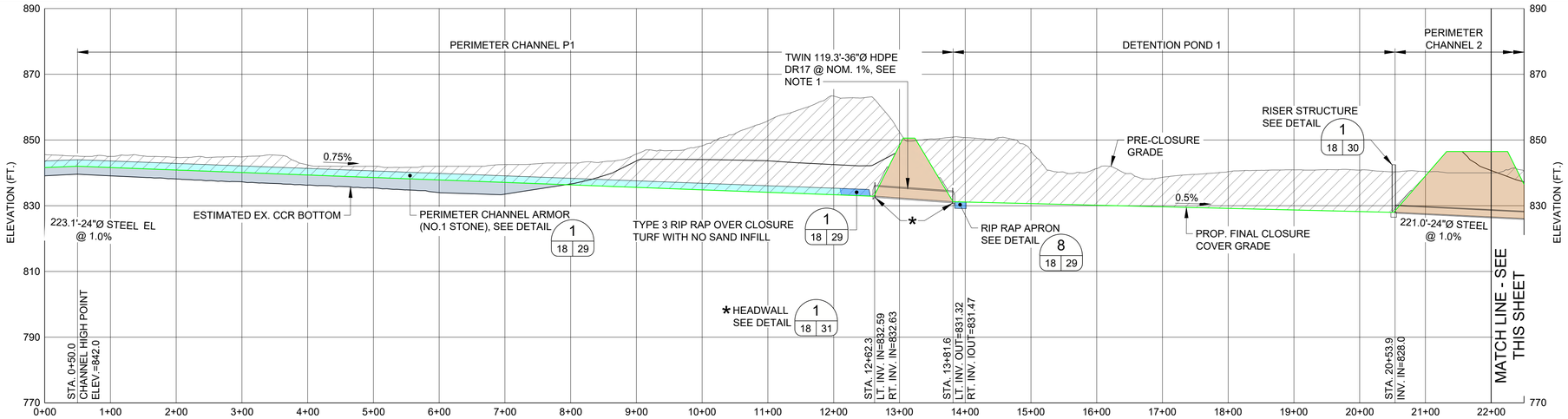
CONSULTANT
wsp

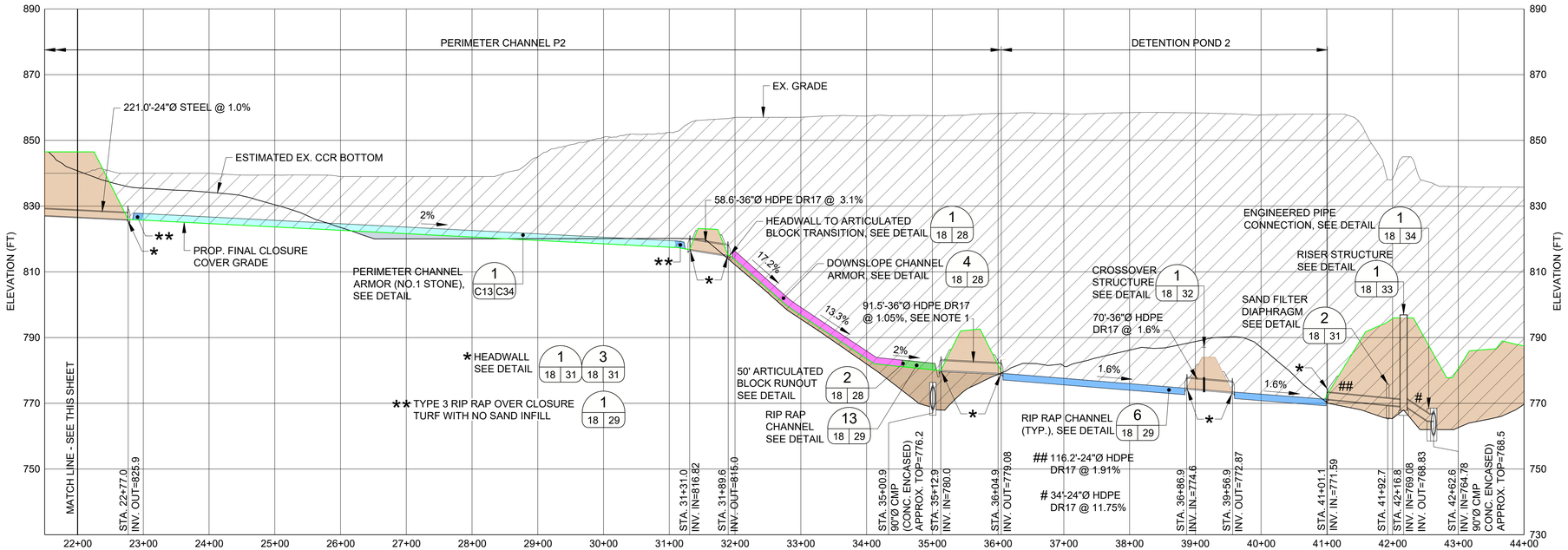
YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

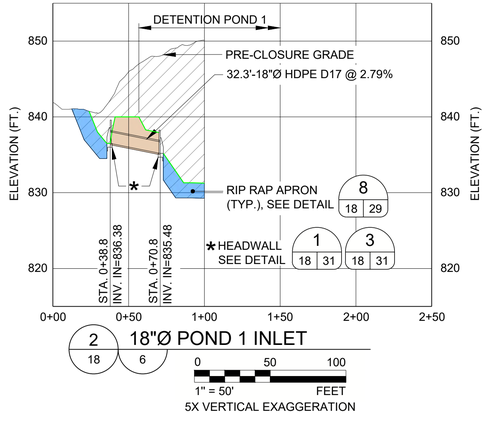
PROJECT NO. 1777449 | REV. 0 | SHEET 17

0 1in
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

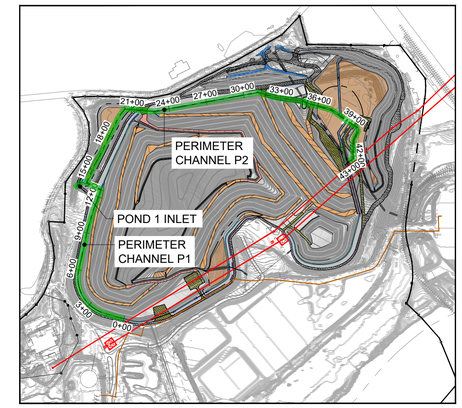
Path: \\corp.pbwan.net\US\Central\Data\USATL700\Cad\Southern Company\1777449 Plant McDonough Permitting\AP-3&4 - AP-2\AP-3&4\PRODUCTION\ | File Name: 1777449 17 GRADE PHASE 06.dwg







1 18 6 PERIMETER CHANNELS P1 & P2



KEY MAP

LEGEND

- EXISTING CCR TO REMAIN
- EXISTING EMBANKMENT FILL
- CCR / SOIL TO BE REMOVED
- CCR FILL
- SOIL FILL
- HYDRO TURF OVER SUPERGRIPNET
- ARMORFLEX ON CLOSURE TURF OVER SUPERGRIPNET (NO SAND INFILL)
- TYPE 1 RIP RAP
- TYPE 3 RIP RAP
- NO.1 STONE OR TYPE 3 RIP RAP

NOTES

1. CULVERT TO BE INSTALLED SO THAT NO ASH IS WITHIN 5 FOOT MINIMUM RADIAL DISTANCE AROUND PIPE.

REFERENCES

1. THE PRE-CLOSURE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 10-16-2012. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 10-26-12. PROJECT NO. 13225 - 01-13-2013."

2. REVISED PRE-CLOSURE TOPOGRAPHY & CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA POWER LAND DEPARTMENT. THE DATA SHOWN IS AN UPDATE TO THE PLANS DONE ON 10-16-2012 & THE ONSITE CHANGES SINCE THAT 2012 SURVEY. THE REVISED SURVEY WAS DONE ON 1-12-2016 & MERGED WITH THE DATA ON 10-16-2012. GEORGIA POWER COMPANY PLANT MCDONOUGH ASH PONDS - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF SURVEY 1-12-2016 - LAND ENG. PROJECT # 20160020.

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:09:31 -04'00'

GEORGIA REGISTERED 3-26-25 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER
GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

CLIENT
GEORGIA POWER COMPANY

Southern Company

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
AP - 3/4 CHANNEL PROFILES - SHEET 1 OF 3

CONSULTANT
wsp

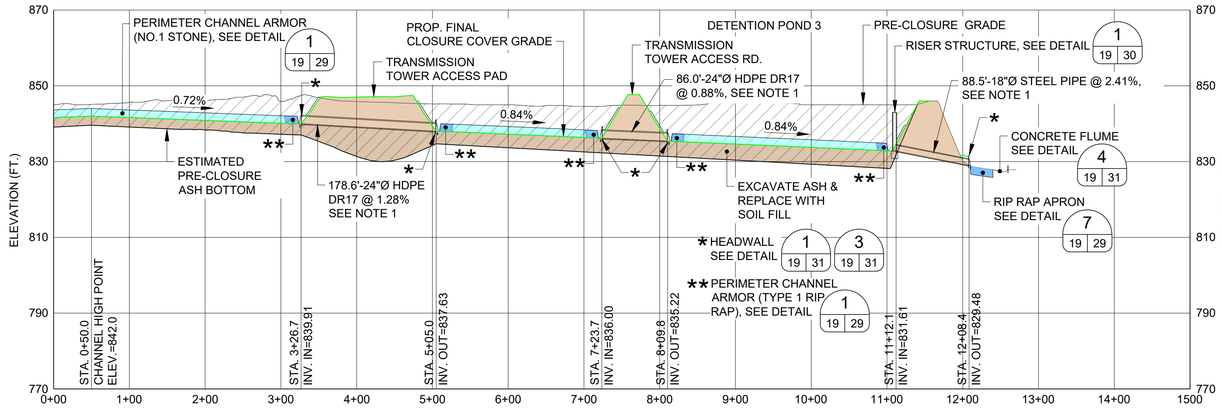
YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	AVR
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 18

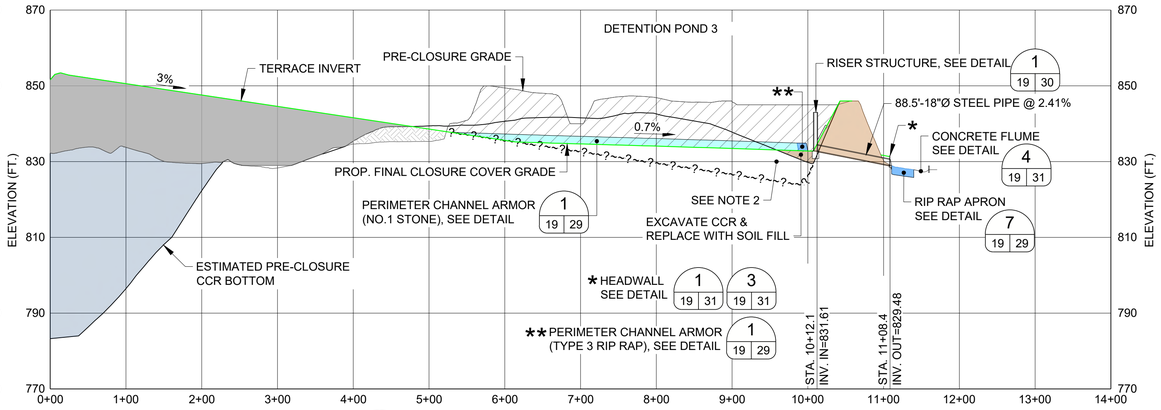
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

0 1 in

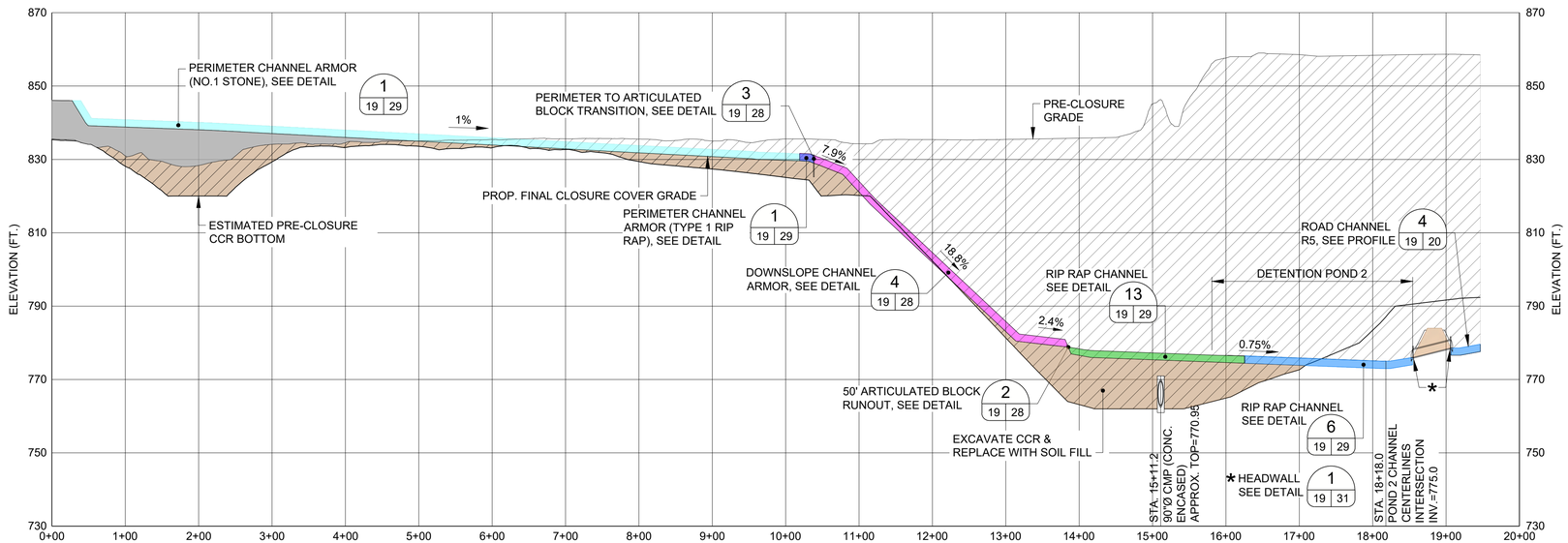
Path: \\corp.pbwan.net\US\Central\Data\USATL709\Cadd\Southern Company\1777449 Plant McDonough Permitting\AP-3&4 - AP-2\AP-3&4\PRODUCTION\ | File Name: 1777449 18-20 CHANNEL PROFILES.dwg



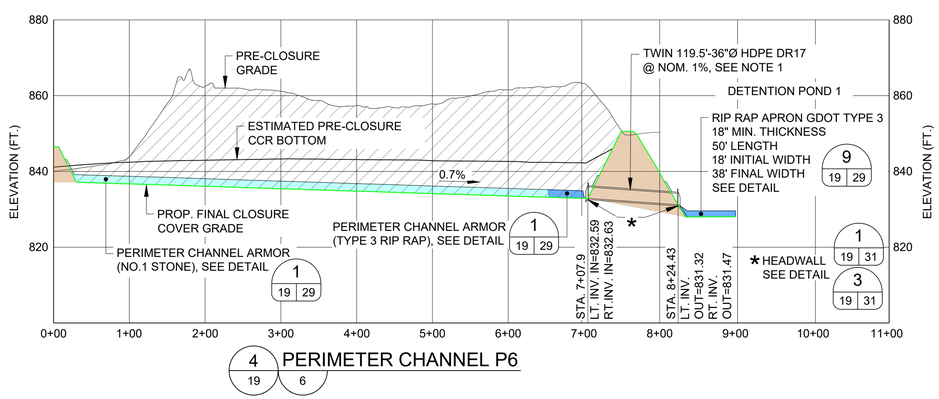
1 19 6 PERIMETER CHANNEL P3



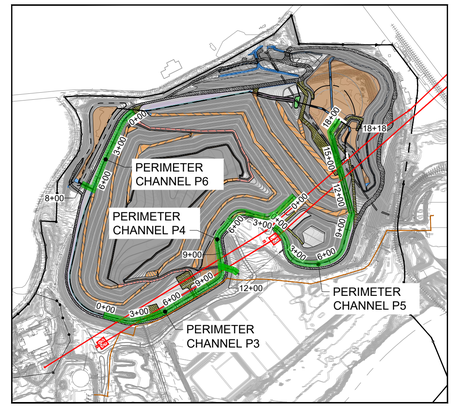
2 19 6 PERIMETER CHANNEL P4



3 19 6 PERIMETER CHANNEL P5



4 19 6 PERIMETER CHANNEL P6



KEY MAP

NOTES

1. CULVERT TO BE INSTALLED SO THAT NO ASH IS WITHIN 5 FOOT MINIMUM RADIAL DISTANCE AROUND PIPE.

2. IF ADDITIONAL ASH EXISTS BELOW LIMITS OF DETENTION POND EXCAVATE PER REMOVAL PROTOCOLS AND REPLACE WITH SOIL FILL BETWEEN LINES EXTENDING FROM INTERIOR DAM FACE AND FINAL CLOSURE SLOPE.

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

LEGEND

- EXISTING CCR TO REMAIN
- EXISTING EMBANKMENT FILL
- ASH / SOIL TO BE REMOVED
- CCR FILL
- SOIL FILL
- HYDRO TURF OVER SUPERGRIPNET
- ARMORFLEX ON CLOSURE TURF
- TYPE 1 RIP RAP
- TYPE 3 RIP RAP
- NO.1 STONE OR TYPE 3 RIP RAP

REFERENCES

1. THE PRE-CLOSURE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 10-16-2012. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 10-26-12. PROJECT NO. 13225 - 01-13-2013."

2. REVISED PRE-CLOSURE TOPOGRAPHY & CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA POWER LAND DEPARTMENT. THE DATA SHOWN IS AN UPDATE TO THE PLANS DONE ON 10-16-2012 & THE ONSITE CHANGES SINCE THAT 2012 SURVEY. THE REVISED SURVEY WAS DONE ON 1-12-2016 & MERGED WITH THE DATA ON 10-16-2012. GEORGIA POWER COMPANY PLANT MCDONOUGH ASH PONDS - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF SURVEY 1-12-2016 - LAND ENG. PROJECT # 20160020.

GEORGIA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:39:33 -04'00'

0 100 200
1" = 100' FEET
5X VERTICAL EXAGGERATION

GEORGIA REGISTERED 3-26-2025 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
GEORGIA POWER COMPANY

Southern Company

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
AP - 3/4 CHANNEL PROFILES - SHEET 2 OF 3

CONSULTANT
wsp

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	AVR
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 19

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

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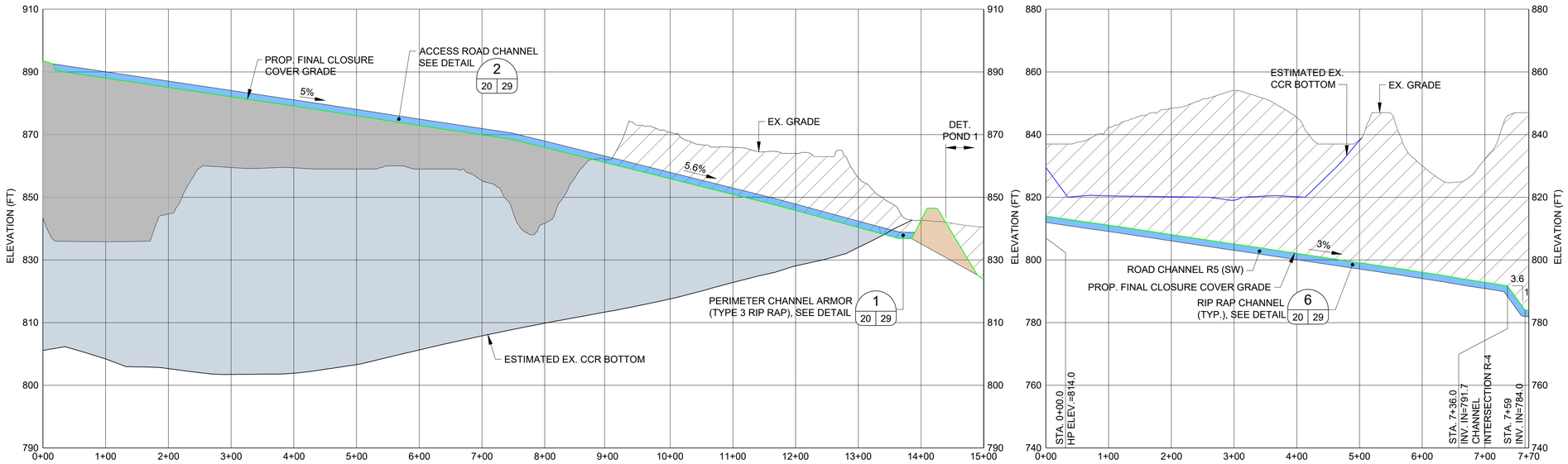
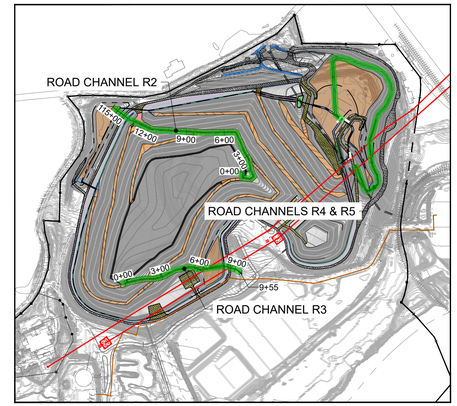
Path: \\corp.pbwan.net\US\Central\Data\USATL700\Cadd\Southern Company\1777449 Plant McDonough Permitting\AP-3&4 - AP-2\AP-3&4\PRODUCTION\ | File Name: 1777449 18-20 CHANNEL PROFILES.dwg



2 | 20 ROAD CHANNEL R2 | 6

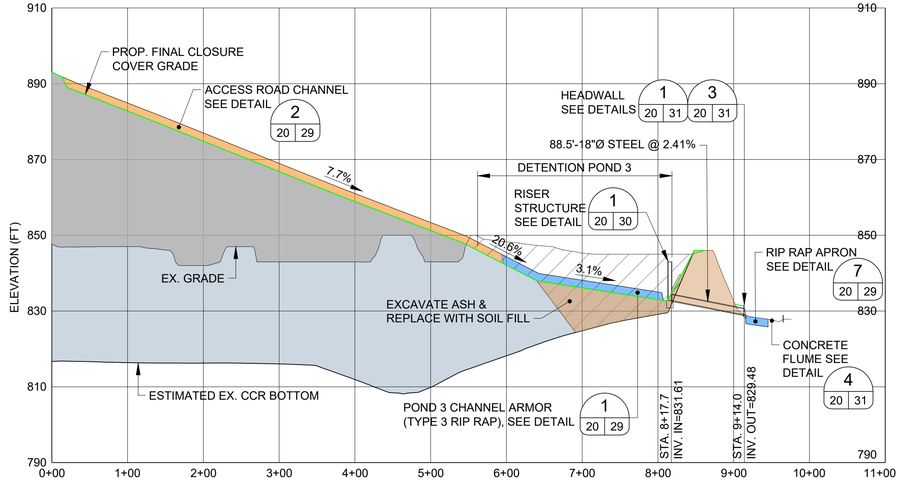
4 | 20 ROAD CHANNEL R5 (SW) | 6



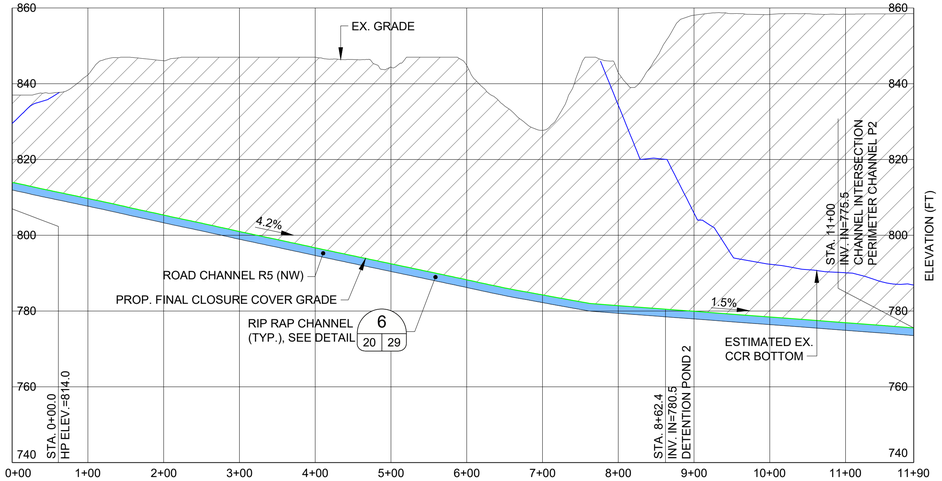
KEY MAP

LEGEND

- PROPOSED ASH FILL
- CCR TO REMAIN
- CCR TO BE REMOVED
- EMBANKMENT FILL
- SOIL FILL
- HYDRO TURF OVER SUPERGRIPNET
- ARMORFLEX ON CLOSURE TURF OVER SUPERGRIPNET (NO SAND INFILL)
- TYPE 1 RIP RAP
- TYPE 3 RIP RAP
- NO.1 STONE OR TYPE 3 RIP RAP



3 | 20 ROAD CHANNEL R3 | 6



5 | 20 ROAD CHANNEL R5 (NW) | 6

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

REFERENCES

1. THE PRE-CLOSURE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 10-16-2012. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 10-26-12. PROJECT NO. 13225 - 01-13-2013."

2. REVISED PRE-CLOSURE TOPOGRAPHY & CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA POWER LAND DEPARTMENT. THE DATA SHOWN IS AN UPDATE TO THE PLANS DONE ON 10-16-2012 & THE ONSITE CHANGES SINCE THAT 2012 SURVEY. THE REVISED SURVEY WAS DONE ON 1-12-2016 & MERGED WITH THE DATA ON 10-16-2012. GEORGIA POWER COMPANY PLANT MCDONOUGH ASH PONDS - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF SURVEY 1-12-2016 - LAND ENG. PROJECT # 20160020.

0 100 200
1" = 100' FEET
5X VERTICAL EXAGGERATION

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:39:33 -04'00'

GEORGIA REGISTERED 3-26-2025 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER
GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
GEORGIA POWER COMPANY

Southern Company

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
AP - 3/4 CHANNEL PROFILES - SHEET 3 OF 3

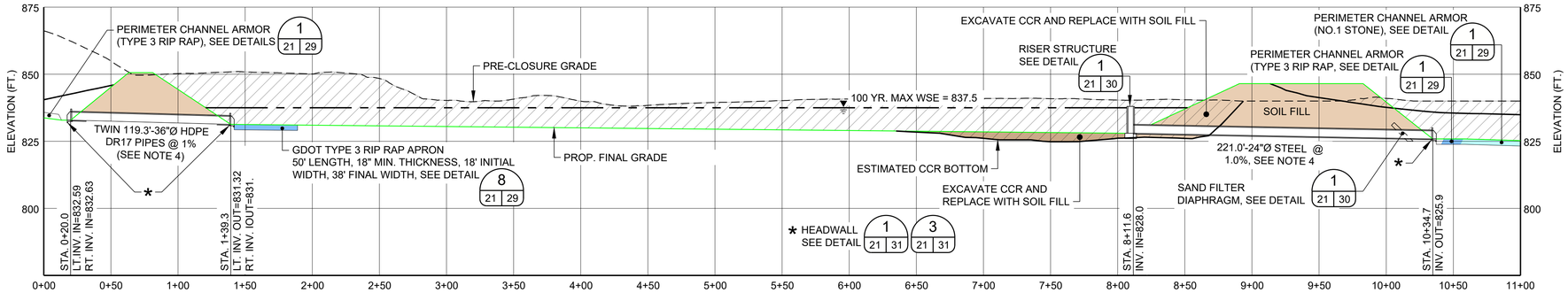
CONSULTANT
wsp

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	AVR
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 20

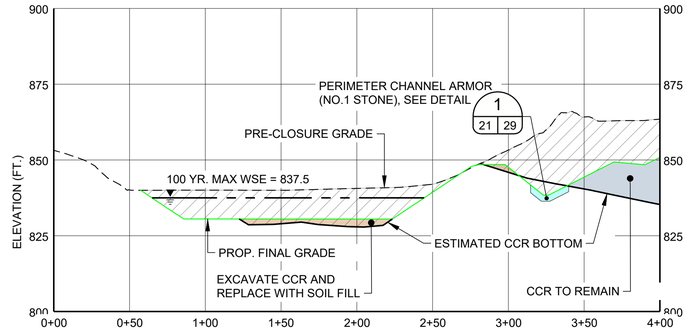
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

Path: \\corp.ptwan.net\US\Central\Data\USATL700\Cad\Southern Company\1777449 Plant McDonough Permitting\AP-3&4 - AP-2\AP-3&4\PRODUCTION\ | File Name: 1777449 18-20 CHANNEL PROFILES.dwg



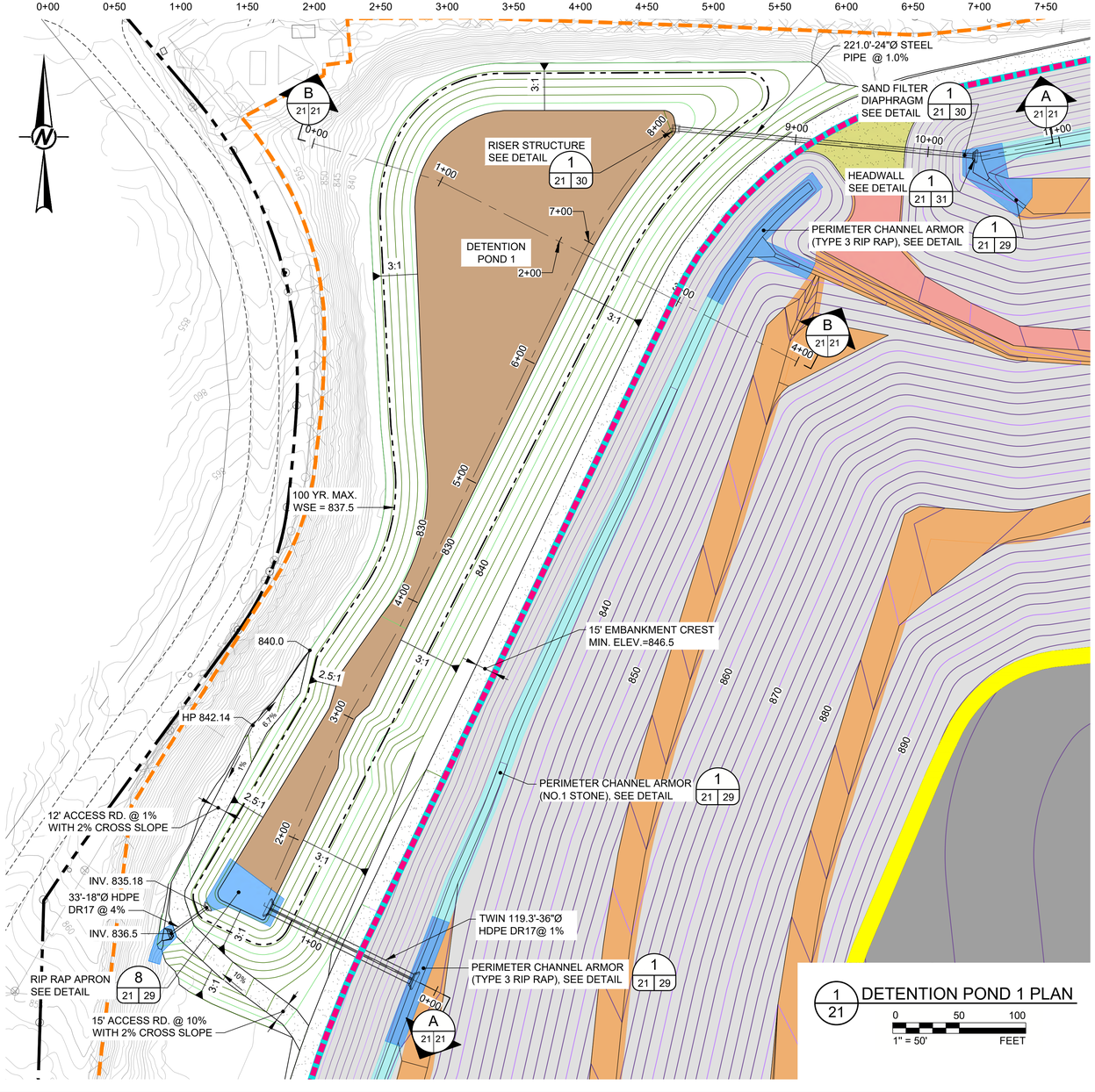
A 21 21 DETENTION POND 1 - SECTION A-A

0 50 100
1" = 50' FEET
2X VERTICAL EXAGGERATION



B 21 21 DETENTION POND 1 - SECTION B-B

0 50 100
1" = 50' FEET
2X VERTICAL EXAGGERATION



1 21 DETENTION POND 1 PLAN

0 50 100
1" = 50' FEET

HATCH LEGEND

- CCR TO REMAIN
- EXISTING EMBANKMENT FILL
- CCR/SOIL TO BE REMOVED
- PROPOSED CCR FILL
- PROPOSED SOIL FILL

LEGEND

- PRE-CLOSURE CONTOURS
- UNPAVED PLANT ROAD
- PROPERTY BOUNDARY MARKERS/LIMITS
- EXISTING OVERHEAD ELECTRIC LINES IN CCR POND 3 & 4 AREA TO REMAIN & TO BE PROTECTED
- 850 / 848 PROPOSED CONTOURS
- FINAL LIMITS OF LINER
- PROPOSED PERMIT BOUNDARY AP-2, AP-3/4
- HYDRO TURF OVER SUPERGRIPNET
- TYPE 3 RIP-RAP
- NO.1 STONE OR TYPE 3 RIP-RAP
- NO.4 STONE BALLAST
- ARMORFLEX ON CLOSURE TURF OVER SUPERGRIPNET (NO SAND INFILL)
- TOP OF SLOPE DIVERSION WITH ROCK FILL
- CLOSURE TURF OVER SUPERGRIPNET (SEE NOTE 1)
- CLOSURE TURF OVER MICROSPIKE
- GEO-CELL ACCESS ROAD
- GRAVEL ROAD OVER CLOSURE TURF WITH EDGE CURB
- GRAVEL ROAD OUTSIDE OF CLOSURE TURF

NOTES

1. SUPERGRIPNET TO BE AGRU 50 MIL LLDPE.
2. MICROSPIKE TO BE AGRU 40 MIL (MIN.) LLDPE GEOMEMBRANE LINER.
3. CLOSURE TURF TO CONTAIN SAND INFILL MINIMUM 1/2" THICKNESS UNLESS OTHERWISE INDICATED.
4. CULVERT TO BE INSTALLED IN 5' MIN. RADIAL ZONE OF SOIL FILL.
5. DETENTION POND 1 SERVES AS TEMPORARY SEDIMENT POND A DURING ALL PHASES OF CONSTRUCTION PROVIDING STORAGE FOR STORMWATER RUNOFF AND SEDIMENT CAPTURE.
6. HYDROLOGIC AND HYDRAULIC PARAMETERS (PROJECT COMPLETION CONDITIONS):
   A. APPROXIMATELY 12.5 ACRE-FEET UP TO ELEVATION 840 OF STORAGE CAPACITY.
   B. DRAINAGE AREA APPROXIMATELY 29 ACRES IN FINAL CONDITION.
   C. 100-YEAR, 24 HOUR STORM MAXIMUM WATER SURFACE ELEVATION: 837.5 FT-MSL
   D. 100-YEAR, 24-HOUR STORM MINIMUM FREEBOARD PROVIDED: 2.5 FT
   E. MAXIMUM 100-YEAR, 24 HOUR STORM INFLOW TO POND: 106 CFS
   F. MAXIMUM 100-YEAR, 24 HOUR STORM OUTFLOW FROM POND: 12 CFS

REFERENCES

1. THE PRE-CLOSURE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 10-16-2012. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 10-26-12. PROJECT NO. 13225 - 01-13-2013."

2. REVISED PRE-CLOSURE TOPOGRAPHY & CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA POWER LAND DEPARTMENT. THE DATA SHOWN IS AN UPDATE TO THE PLANS DONE ON 10-16-2012 & THE ONSITE CHANGES SINCE THAT 2012 SURVEY. THE REVISED SURVEY WAS DONE ON 1-12-2016 & MERGED WITH THE DATA ON 10-16-2012. GEORGIA POWER COMPANY PLANT MCDONOUGH ASH PONDS - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF SURVEY 1-12-2016 - LAND ENG. PROJECT # 20160020.

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:39:33 -04'00'

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

GEORGIA REGISTERED 3-26-2025 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
GEORGIA POWER COMPANY

Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
AP - 3/4 DETENTION POND 1 DETAILS

CONSULTANT
wsp

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449
REV. 0
SHEET 21

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI D
0 1in

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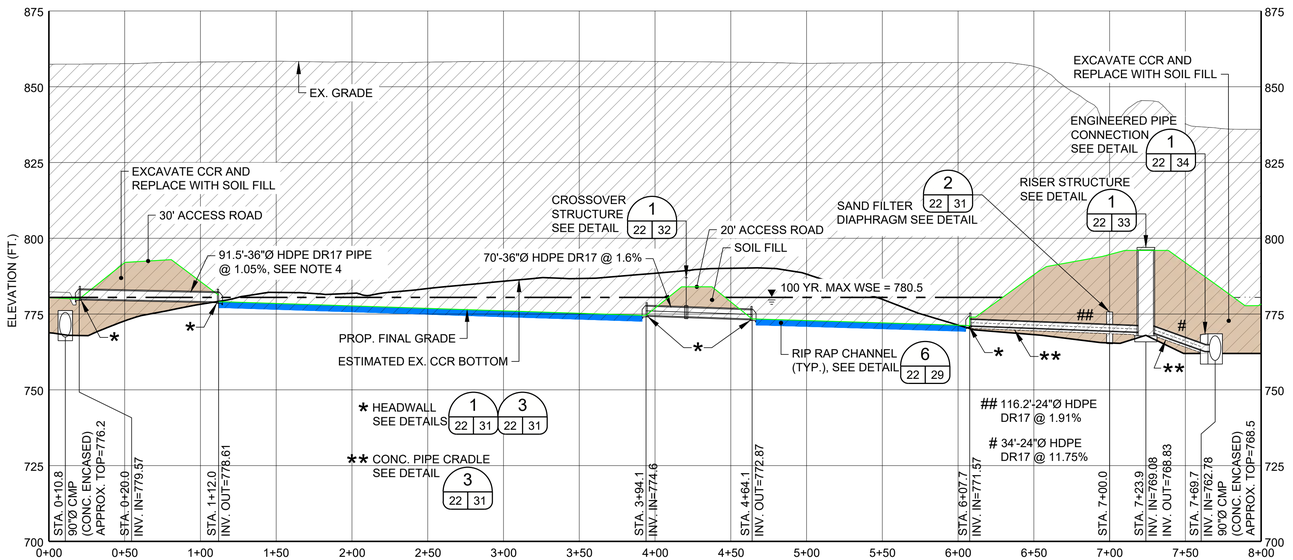
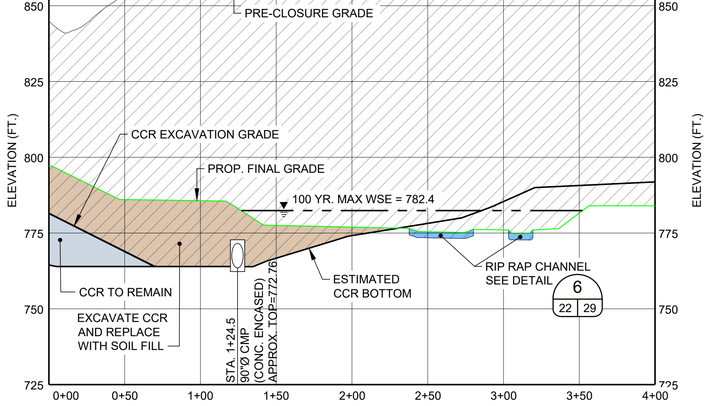


A 22 22 DETENTION POND 2 - SECTION A-A

0 50 100
1" = 50' FEET
2X VERTICAL EXAGGERATION

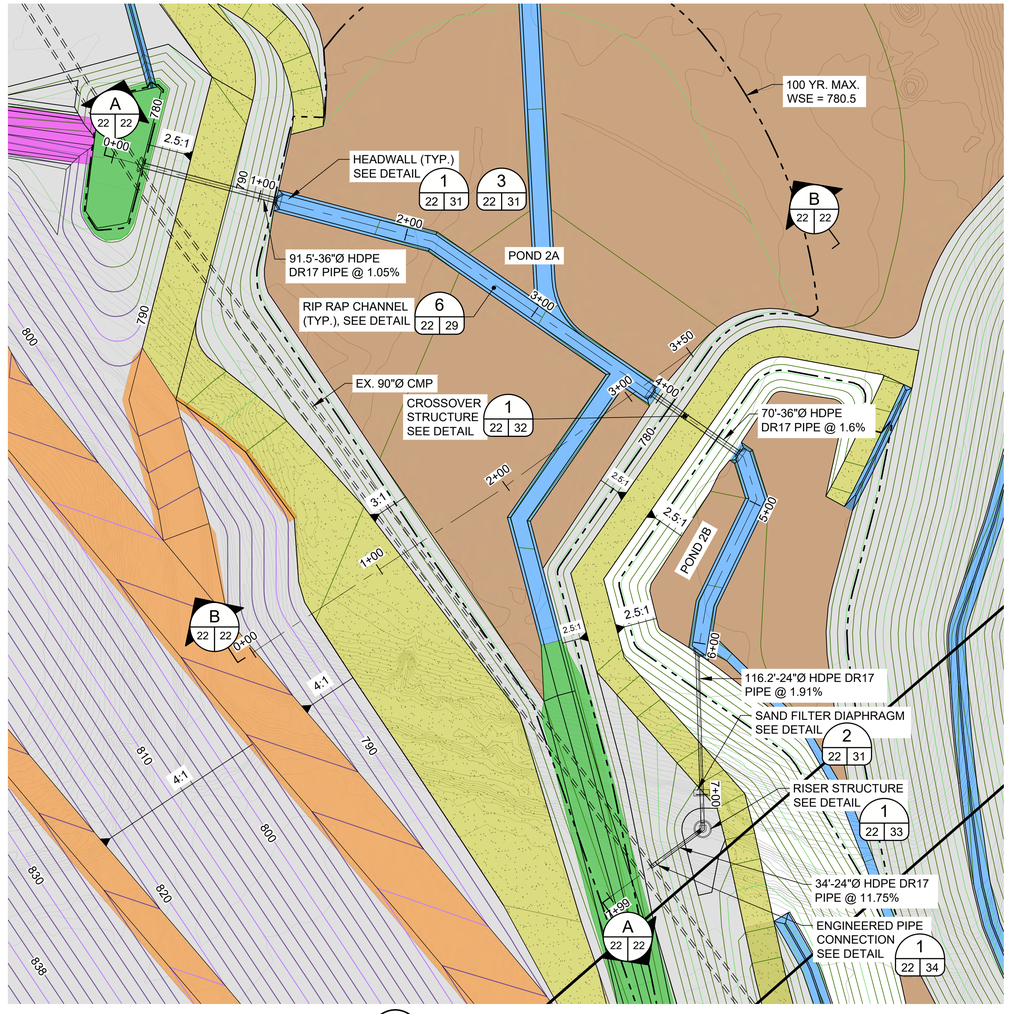


B 22 22 DETENTION POND 2 - SECTION B-B

0 50 100
1" = 50' FEET
2X VERTICAL EXAGGERATION

LEGEND

- PRE-CLOSURE CONTOURS
- UNPAVED PLANT ROAD
- GAS — EXISTING GAS LINE
- EXISTING OVERHEAD ELECTRIC LINES IN CCR POND 3 & 4 AREA TO REMAIN & TO BE PROTECTED
- 850 / 848 — PROPOSED CONTOURS
- FINAL LIMITS OF LINER
- HYDRO TURF OVER SUPERGRIPNET
- TYPE 3 RIP-RAP
- NO.1 STONE OR TYPE 3 RIP-RAP
- NO.4 STONE BALLAST
- ARMORFLEX ON CLOSURE TURF OVER SUPERGRIPNET (NO SAND INFILL)
- TYPE 1 RIP RAP
- CLOSURE TURF OVER SUPERGRIPNET (SEE NOTE 1)
- CLOSURE TURF OVER MICROSPIKE
- GEO-CELL ACCESS ROAD
- GRAVEL ROAD OVER CLOSURE TURF WITH EDGE CURB
- GRAVEL ROAD OUTSIDE OF CLOSURE TURF



1 22 22 DETENTION POND 2 PLAN

0 50 100
1" = 50' FEET

HATCH LEGEND

- CCR TO REMAIN
- EXISTING EMBANKMENT FILL
- CCR/SOIL TO BE REMOVED
- PROPOSED CCR FILL
- PROPOSED SOIL FILL

REFERENCES

1. THE PRE-CLOSURE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 10-16-2012. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 10-26-12. PROJECT NO. 13225 - 01-13-2013."

2. REVISED PRE-CLOSURE TOPOGRAPHY & CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA POWER LAND DEPARTMENT. THE DATA SHOWN IS AN UPDATE TO THE PLANS DONE ON 10-16-2012 & THE ONSITE CHANGES SINCE THAT 2012 SURVEY. THE REVISED SURVEY WAS DONE ON 1-12-2016 & MERGED WITH THE DATA ON 10-16-2012. GEORGIA POWER COMPANY PLANT MCDONOUGH ASH PONDS - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF SURVEY 1-12-2016 - LAND ENG. PROJECT # 20160020.

NOTES

1. SUPERGRIPNET TO BE AGRU 50 MIL LLDPE OR AGRU 50 MIL LLDPE MICRODRAIN.

2. MICROSPIKE TO BE AGRU 40 MIL (MIN.) LLDPE GEOMEMBRANE LINER.

3. CLOSURE TURF TO CONTAIN SAND INFILL MINIMUM 1/2" THICKNESS UNLESS OTHERWISE INDICATED.

4. CULVERT TO BE INSTALLED IN 5' MIN. RADIAL ZONE OF SOIL FILL.

5. DETENTION POND 2 WILL SERVE TEMPORARILY AS A SEDIMENT POND DURING THE FINAL PHASE OF CONSTRUCTION.

6. OUTFLOWS FROM THE POND 2 OUTLET STRUCTURE ARE NOT PERMITTED UNTIL 100% SITE STABILIZATION OF AREAS DRAINING TO POND 2 HAS BEEN ACHIEVED AND ALL SEDIMENTS FROM THE POND REMOVED.

7. HYDROLOGIC AND HYDRAULIC PARAMETERS (PROJECT COMPLETION CONDITIONS):

A. APPROXIMATELY 10.2 ACRE-FEET IN PART A, 3.9 ACRE-FEET IN PART B OF STORAGE CAPACITY.
B. DRAINAGE AREA APPROXIMATELY 34 ACRES IN FINAL CONDITION (EXCLUDING AREA DRAINING TO DETENTION POND 1).
C. 100-YEAR, 24 HOUR STORM MAXIMUM WATER SURFACE ELEVATION: 782.1 FT-MSL
D. 100-YEAR, 24-HOUR STORM MINIMUM FREEBOARD PROVIDED: 1.6 FT
E. MAXIMUM 100-YEAR, 24 HOUR STORM INFLOW TO POND: 58 CFS INTO PART B
F. MAXIMUM 100-YEAR, 24 HOUR STORM OUTFLOW FROM POND: 31 CFS

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:09:51 -04'00'

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

GEORGIA REGISTERED 3-26-2025 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
GEORGIA POWER COMPANY

Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
AP - 3/4 DETENTION POND 2 DETAILS

CONSULTANT
wsp

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 22

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

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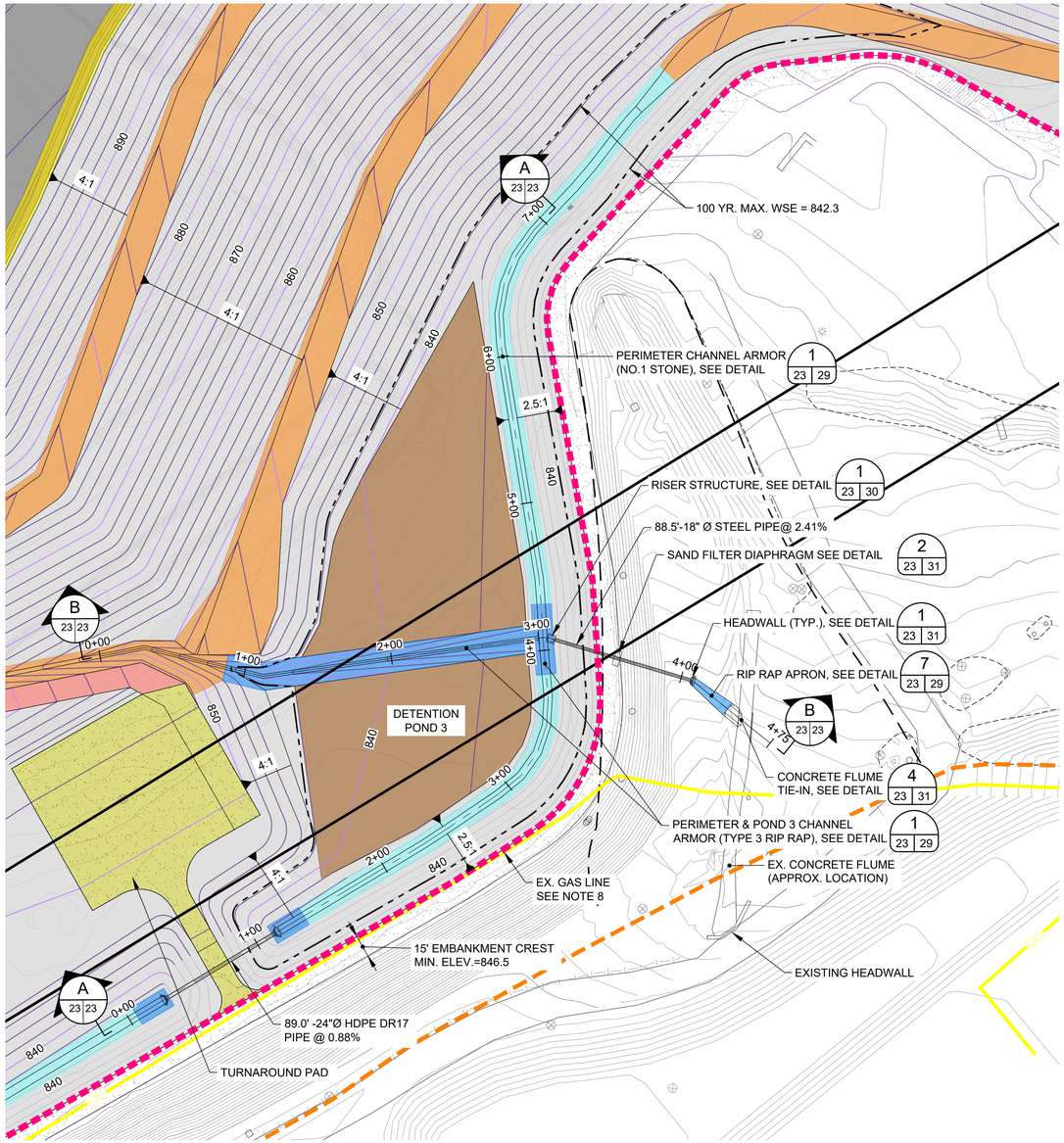
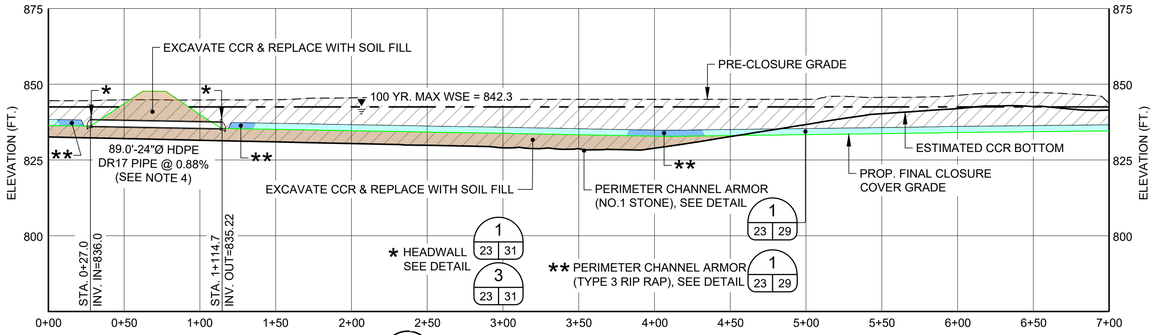


1 / 23 / 23 DETENTION POND 3 PLAN

0 50 100

1" = 50' FEET

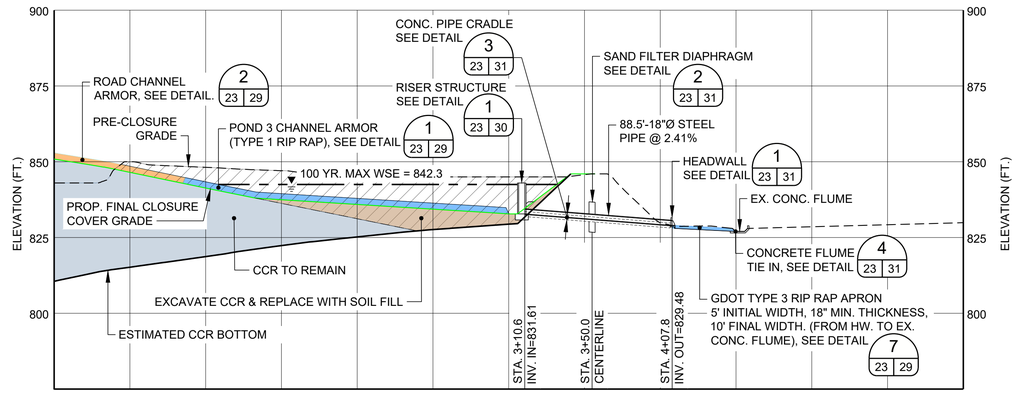


A / 23 / 23 DETENTION POND 3 - SECTION A-A

0 50 100

1" = 50' FEET

2X VERTICAL EXAGGERATION



B / 23 / 23 DETENTION POND 3 - SECTION B-B

0 50 100

1" = 50' FEET

2X VERTICAL EXAGGERATION

LEGEND

- PRE-CLOSURE CONTOURS
- UNPAVED PLANT ROAD
- EXISTING GAS LINE
- EXISTING OVERHEAD ELECTRIC LINES IN CCR POND 3 & 4 AREA TO REMAIN & TO BE PROTECTED
- PROPOSED CONTOURS (850 / 848)
- FINAL LIMITS OF LINER
- PROPOSED PERMIT BOUNDARY AP-2, AP-3/4
- HYDRO TURF OVER SUPERGRIPNET
- TYPE 3 RIP RAP APRON
- NO.1 STONE OR TYPE 3 RIP RAP
- ARMORFLEX ON HYDRO TURF OVER SUPERRIPNET
- GRAVEL ROAD OVER CLOSURE TURF WITH EDGE CURB
- CLOSURE TURF OVER SUPERGRIPNET
- CLOSURE TURF OVER MICROSPIKE

HATCH LEGEND

- CCR TO REMAIN
- EXISTING EMBANKMENT FILL
- CCR/SOIL TO BE REMOVED
- PROPOSED CCR FILL
- PROPOSED SOIL FILL

NOTES

1. SUPERGRIPNET TO BE AGRU 50 MIL LLDPE.

2. MICROSPIKE TO BE AGRU 40 MIL (MIN.) LLDPE GEOMEMBRANE LINER.

3. CLOSURE TURF TO CONTAIN SAND INFILL MINIMUM 1/2" THICKNESS UNLESS OTHERWISE INDICATED.

4. CULVERT TO BE INSTALLED IN 5' MIN. RADIAL ZONE OF SOIL FILL.

5. DETENTION POND 3 WILL SERVE TEMPORARILY AS SEDIMENT POND D DURING PHASES 2 THROUGH 5 OF CONSTRUCTION. SEE SHEET 13.

6. OUTFLOWS FROM THE OUTLET STRUCTURE ARE NOT PERMITTED UNTIL 100% SITE STABILIZATION HAS BEEN ACHIEVED IN CONTRIBUTING AREAS AND ALL SEDIMENTS FROM THE POND REMOVED.

7. HYDROLOGIC AND HYDRAULIC PARAMETERS (PROJECT COMPLETION CONDITIONS):

   A. APPROXIMATELY 10.5 ACRE-FEET OF STORAGE CAPACITY.
   B. DRAINAGE AREA APPROXIMATELY 20 ACRES IN FINAL CONDITION.
   C. 100-YEAR, 24 HOUR STORM MAXIMUM WATER SURFACE ELEVATION: 842.3 FT-MSL
   D. 100-YEAR, 24-HOUR STORM MINIMUM FREEBOARD PROVIDED: 3.7 FT
   E. MAXIMUM 100-YEAR, 24 HOUR STORM INFLOW TO POND: 122 CFS
   F. MAXIMUM 100-YEAR, 24 HOUR STORM OUTFLOW FROM POND: 9 CFS

8. 24 INCH DIAMETER NATURAL GAS FEED FOR POWER PLANT RUNS WITHIN SOUTHERN PORTION OF EXISTING ASH POND 3 PERIMETER BERM. NO WORK WITHIN 50 FEET OF THIS LINE WITHOUT NOTIFICATION OF AND APPROVAL OF OWNER.

REFERENCES

1. THE PRE-CLOSURE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 10-16-2012. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 10-26-12. PROJECT NO. 13225 - 01-13-2013."

2. REVISED PRE-CLOSURE TOPOGRAPHY & CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA POWER LAND DEPARTMENT. THE DATA SHOWN IS AN UPDATE TO THE PLANS DONE ON 10-16-2012 & THE ONSITE CHANGES SINCE THAT 2012 SURVEY. THE REVISED SURVEY WAS DONE ON 1-12-2016 & MERGED WITH THE DATA ON 10-16-2012. GEORGIA POWER COMPANY PLANT MCDONOUGH ASH PONDS - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF SURVEY 1-12-2016 - LAND ENG. PROJECT # 20160020.

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:39:51 -04'00'

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

GEORGIA REGISTERED 2-26-2025 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
GEORGIA POWER COMPANY

Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
AP - 3/4 DETENTION POND 3 DETAILS

CONSULTANT
wsp

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 23

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

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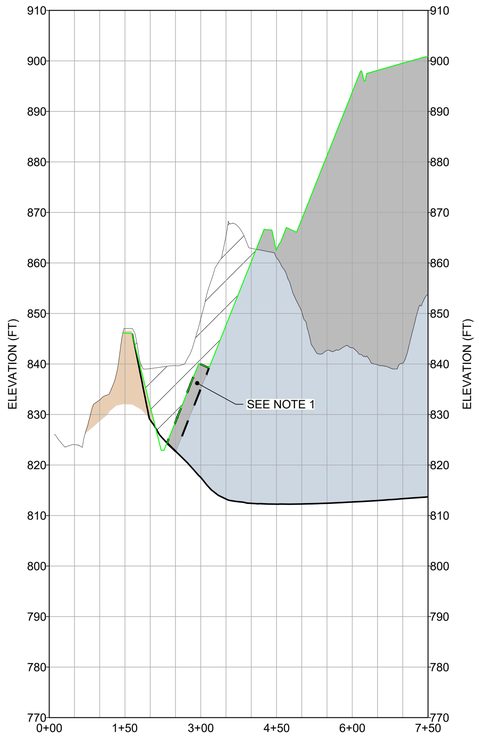
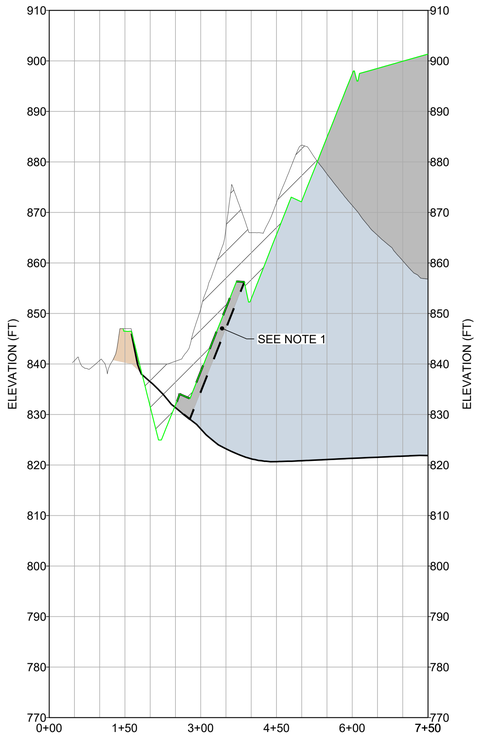


A 24 SECTION A-A



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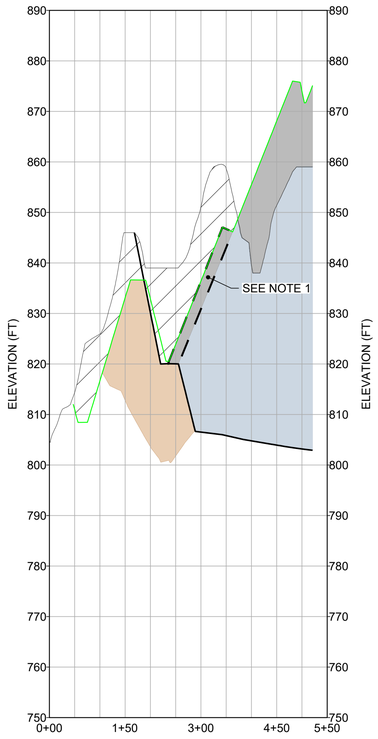
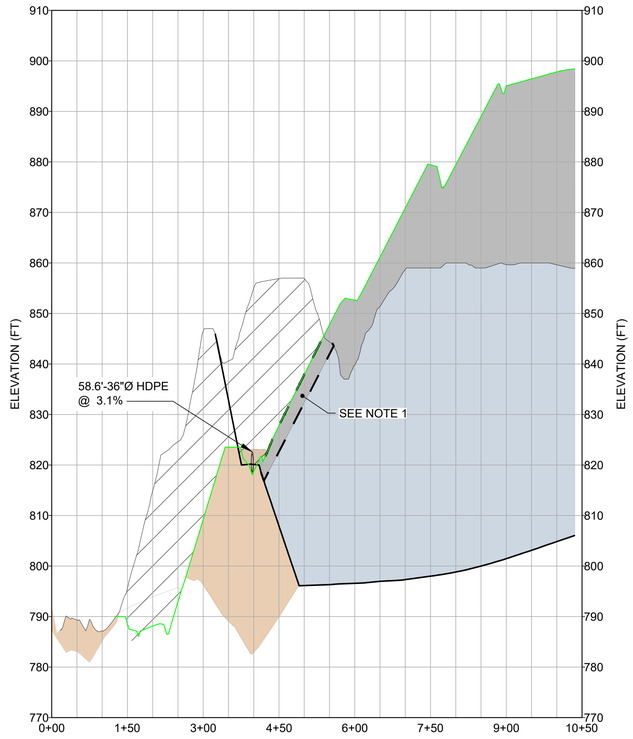


C 24 SECTION C-C



D 24 SECTION D-D

LEGEND

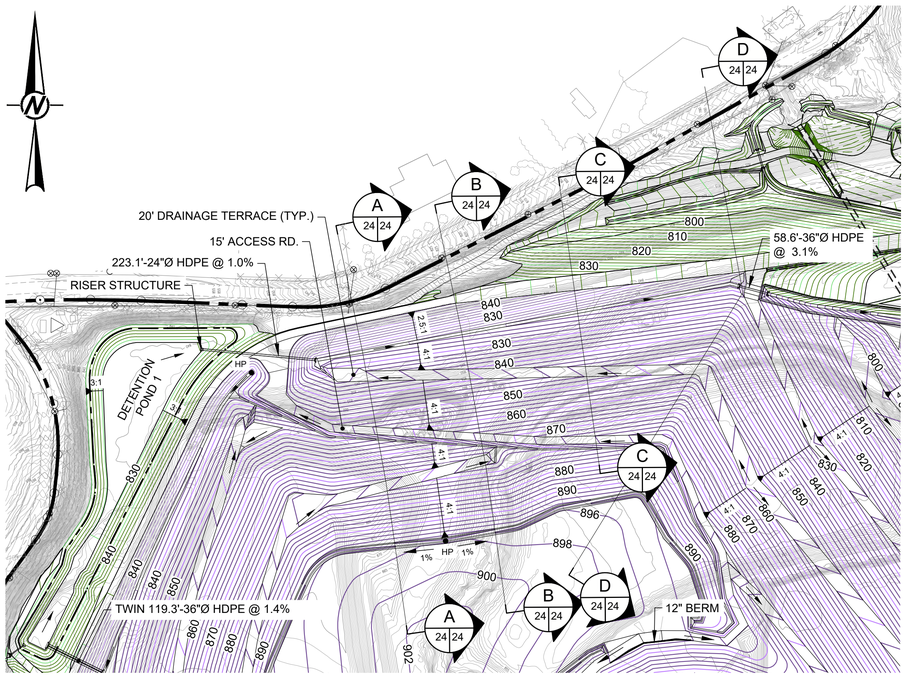
- PRE-CLOSURE CONTOURS
- PROPERTY BOUNDARY MARKERS/LIMITS
- PROPOSED PERMIT BOUNDARY AP-2, AP-3/4
- REVISED FINAL CLOSURE CONTOURS
- CLEAN CLOSURE CONTOURS

LINE WORK LEGEND

- PRE-CLOSURE GRADES
- CLOSURE COVER GRADES
- ESTIMATED BOTTOM OF CCR

HATCH LEGEND

- CCR TO REMAIN
- EXISTING EMBANKMENT FILL
- CCR/SOIL TO BE REMOVED
- PROPOSED CCR FILL
- PROPOSED SOIL FILL



1 24 NORTH PERIMETER CHANNEL PLAN

NOTES

1. OVER EXCAVATE AND RECOMPACT ASH FILL ALONG NORTHERN PERIMETER CHANNEL A MINIMUM OF 20 FEET HORIZONTALLY TO BOTTOM OF ASH AND OR A MINIMUM OF FIVE FEET BELOW FINAL CHANNEL BOTTOM IF STILL IN ASH.

2. ALL TEMPORARY AND PERMANENT EXCAVATIONS BELOW ELEVATION 830 FEET (THE NOMINAL PRE CONSTRUCTION WATER LEVEL WITHIN ASH PONDS 3 AND 4) REQUIRE SUBMITTAL OF CONFIRMATION WATER LEVEL TESTING INDICATING SUFFICIENT DEWATERING TO MAINTAIN STABILITY PRIOR TO EXCAVATION. THE FOLLOWING CRITERIA APPLY TO ALL ASH EXCAVATIONS:
   A. TEMPORARY ASH EXCAVATION SLOPES SHALL BE 4H:1V OR SHALLOWER UNLESS OTHERWISE APPROVED BY THE ENGINEER.
   B. WATER LEVELS WITHIN THE ASH BEHIND CUT SLOPES SHALL BE MAINTAINED A MINIMUM OF 50 HORIZONTAL FEET BEHIND (12.5 VERTICAL FEET BELOW) ALL PORTIONS OF ASH EXCAVATION CUT SLOPES AT ALL TIMES. IT IS ANTICIPATED THAT MEETING THIS CRITERIA WILL REQUIRE ACTIVE DEWATERING AND MONITORING.
   C. ASH EXCAVATIONS BELOW ELEVATION 800 FEET SHALL ADDITIONALLY REQUIRE WATER LEVELS WITHIN 400 FEET OF THE TOE OF THE EXCAVATION SLOPE TO BE LOWERED TO AT LEAST ELEVATION 810 FEET.
   D. SEE SHEET 27 FOR MINIMUM WATER LEVEL MONITORING REQUIREMENTS. DURING CONSTRUCTION.

REFERENCES

1. THE PRE-CLOSURE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 10-16-2012. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 10-26-12. PROJECT NO. 13225 - 01-13-2013."

2. REVISED PRE-CLOSURE TOPOGRAPHY & CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA POWER LAND DEPARTMENT. THE DATA SHOWN IS AN UPDATE TO THE PLANS DONE ON 10-16-2012 & THE ONSITE CHANGES SINCE THAT 2012 SURVEY. THE REVISED SURVEY WAS DONE ON 1-12-2016 & MERGED WITH THE DATA ON 10-16-2012. GEORGIA POWER COMPANY PLANT MCDONOUGH ASH PONDS - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF SURVEY 1-12-2016 - LAND ENG. PROJECT # 20160020.

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:39:53 -04'00'

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

0 150 300
1" = 150' FEET
10X VERTICAL EXAGGERATION

GEORGIA REGISTERED
2-26-2025
No. PE034749
PROFESSIONAL
ENGINEER
GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
GEORGIA POWER COMPANY

Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
AP - 3/4 NORTH PERIMETER CHANNEL DETAILS

CONSULTANT
wsp

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 24

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

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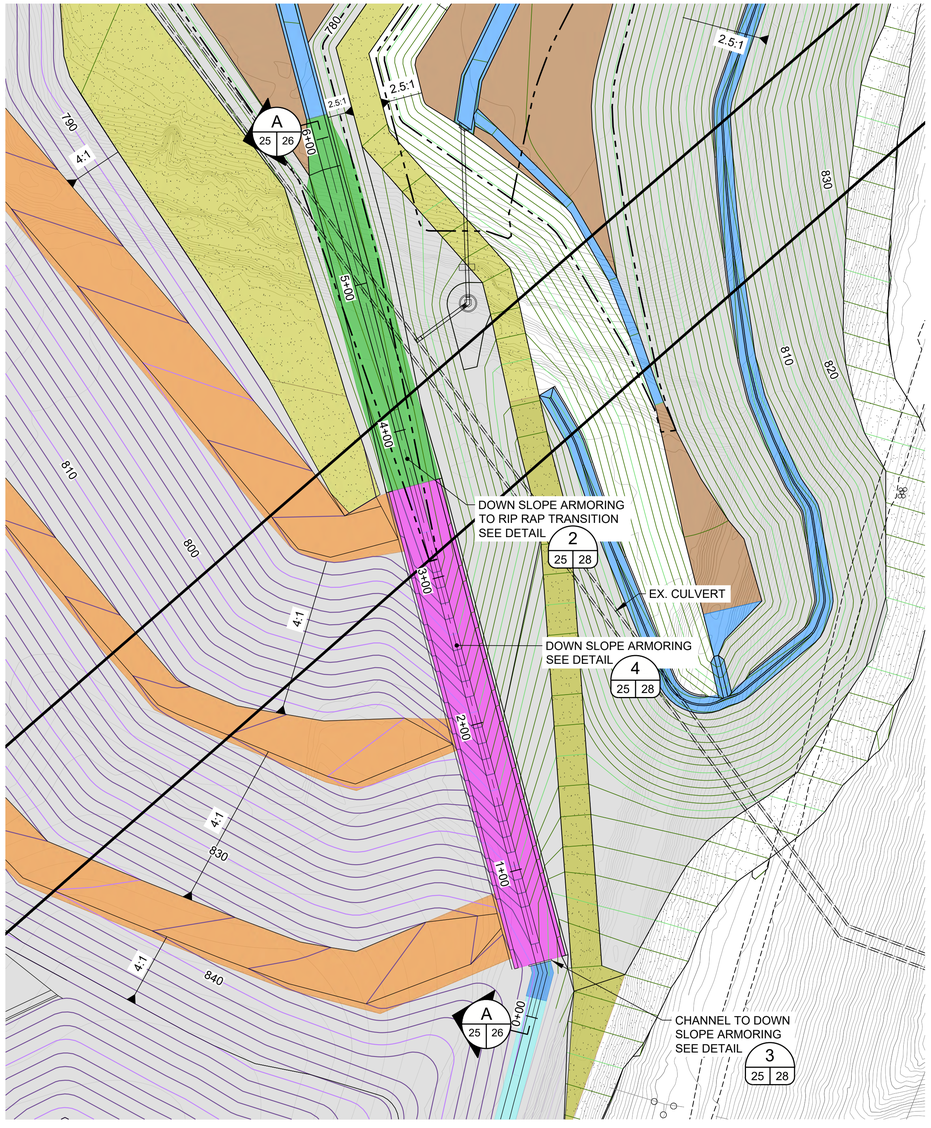
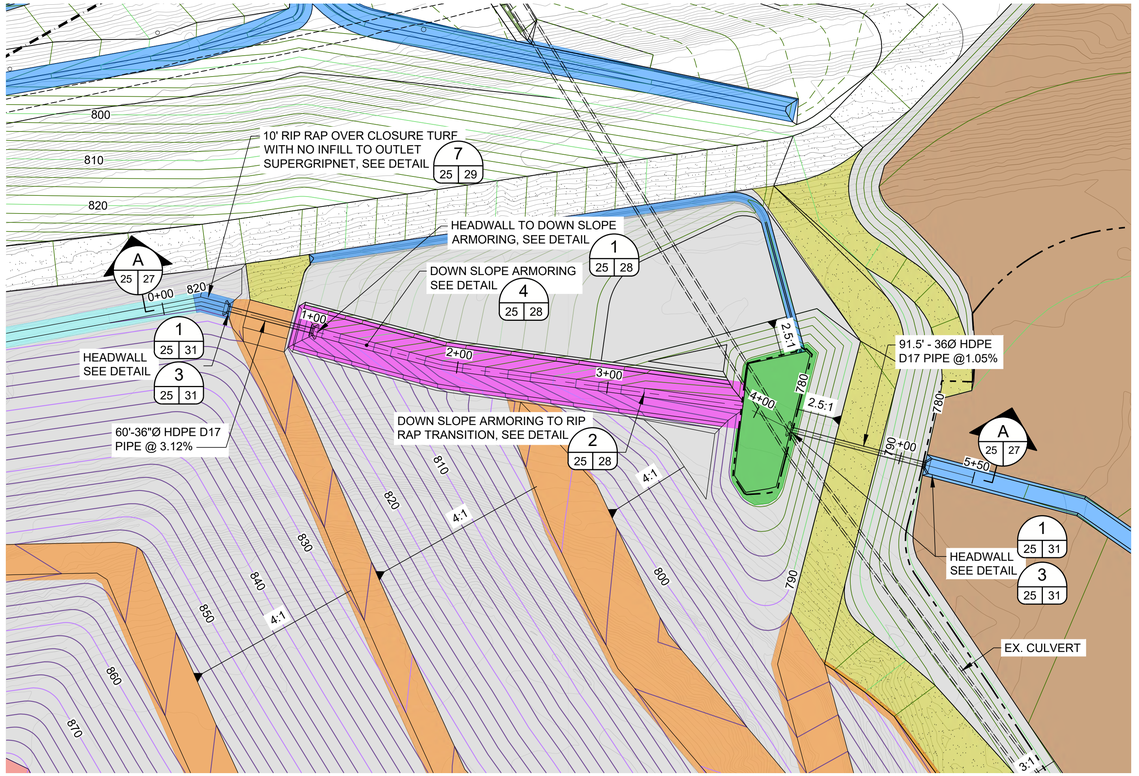
Path: \\corp.pbwan.net\US\CentralData\USATL700\Cadd\Southern Company\1777449 Plant McDonough Permitting\AP-3&4 - AP-2\AP-3&4\PRODUCTION\ | File Name: 1777449 24 NORTH PERIMETER CHANNEL PLAN-SECTIONS.dwg



SOUTH DOWNSLOPE CHANNEL PLAN
(PERIMETER CHANNEL P5)
1
25



NORTH DOWNSLOPE CHANNEL PLAN
(PERIMETER CHANNEL P2)
2
25

LEGEND

- PRE-CLOSURE CONTOURS
- UNPAVED PLANT ROAD
- EXISTING GAS LINE (GAS)
- EXISTING OVERHEAD ELECTRIC LINES IN CCR POND 3 & 4 AREA TO REMAIN & TO BE PROTECTED
- PROPOSED CONTOURS (850 / 848)
- LIMITS OF CLOSURE TURF
- HYDRO TURF
- TYPE 3 RIP RAP
- NO.1 STONE OR TYPE 3 RIP RAP
- ARMORFLEX ON CLOSURE TURF
- TYPE 1 RIP RAP
- CLOSURE TURF OVER SUPERGRIPNET
- NO.4 STONE BALLAST
- GRAVEL ROAD OVER CLOSURE TURF WITH EDGE CURB

REFERENCES

1. THE PRE-CLOSURE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 10-16-2012. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 10-26-12. PROJECT NO. 13225 - 01-13-2013."

2. REVISED PRE-CLOSURE TOPOGRAPHY & CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA POWER LAND DEPARTMENT. THE DATA SHOWN IS AN UPDATE TO THE PLANS DONE ON 10-16-2012 & THE ONSITE CHANGES SINCE THAT 2012 SURVEY. THE REVISED SURVEY WAS DONE ON 1-12-2016 & MERGED WITH THE DATA ON 10-16-2012. GEORGIA POWER COMPANY PLANT MCDONOUGH ASH PONDS - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF SURVEY 1-12-2016 - LAND ENG. PROJECT # 20160020.

NOTES

1. SUPERGRIPNET TO BE AGRU 50 MIL LLDPE OR AGRU 50 MIL LLDPE MICRODRAIN.

2. MICROSPIKE TO BE AGRU 40 MIL LLDPE GEOMEMBRANE LINER.

3. CLOSURE TURF TO CONTAIN SAND INFILL MINIMUM 1/2" THICKNESS UNLESS OTHERWISE INDICATED.

4. SEE SHEETS 28 AND 29 FOR ARMORING AND CLOSURE COVER DETAILS.

0 50 100
1" = 50' FEET

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:39:33 -04'00'

GEORGIA REGISTERED 3-26-2025 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

CLIENT
GEORGIA POWER COMPANY

Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
AP - 3/4 NORTH & SOUTH DOWNSLOPE CHANNEL PLANS

CONSULTANT
wsp

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	AVR
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 25

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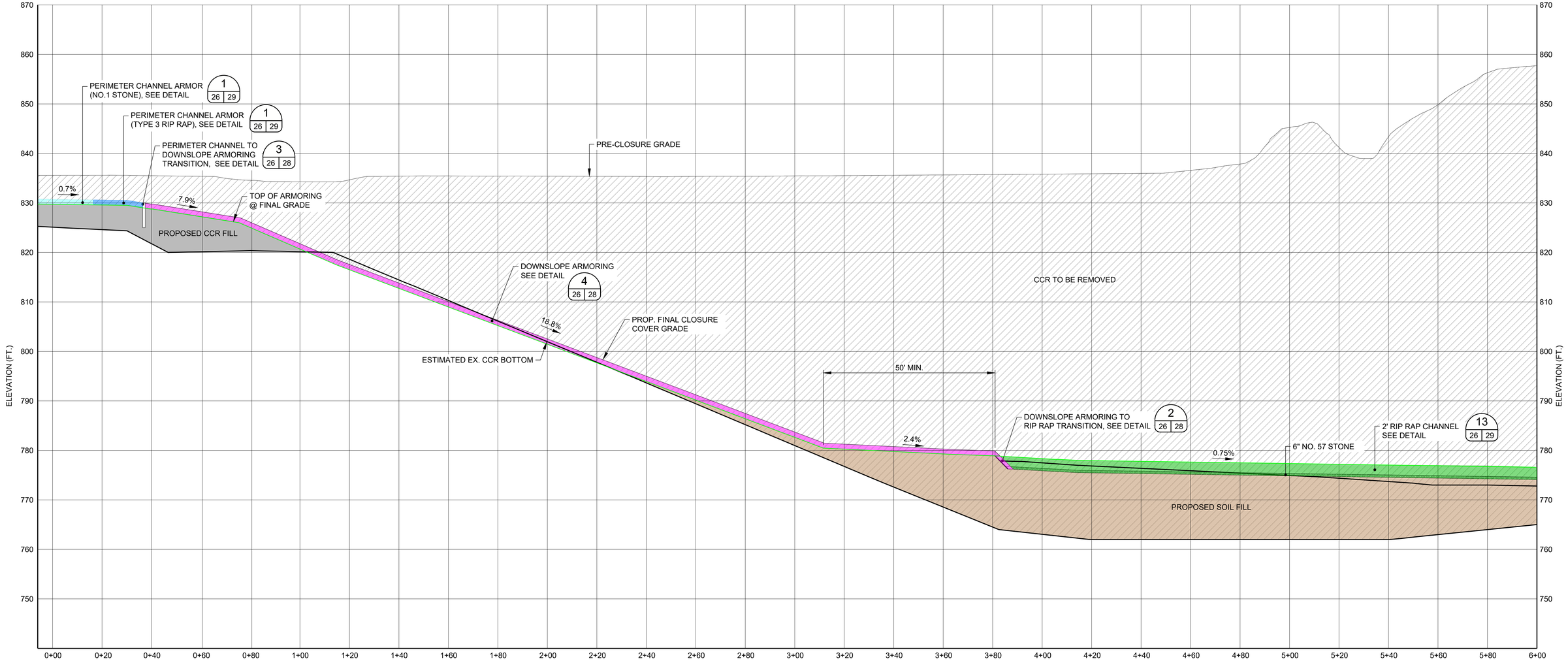

SOUTH DOWNSLOPE CHANNEL PROFILE (PERIMETER CHANNEL P5)

A 26 25

0 20 40
1" = 20' FEET

2X VERTICAL EXAGGERATION

HATCH LEGEND

- CCR TO REMAIN
- EXISTING EMBANKMENT FILL
- CCR/SOIL TO BE REMOVED
- PROPOSED CCR FILL
- PROPOSED SOIL FILL
- ARMORFLEX ON CLOSURE TURF
- TYPE I RIP RAP

REFERENCES

1. THE PRE-CLOSURE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 10-16-2012. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 10-26-12. PROJECT NO. 13225 - 01-13-2013."

2. REVISED PRE-CLOSURE TOPOGRAPHY & CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA POWER LAND DEPARTMENT. THE DATA SHOWN IS AN UPDATE TO THE PLANS DONE ON 10-16-2012 & THE ONSITE CHANGES SINCE THAT 2012 SURVEY. THE REVISED SURVEY WAS DONE ON 1-12-2016 & MERGED WITH THE DATA ON 10-16-2012.
GEORGIA POWER COMPANY PLANT MCDONOUGH ASH PONDS - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF SURVEY 1-12-2016 - LAND ENG. PROJECT # 20160020.

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NOT FOR CONSTRUCTION

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:39:33 -04'00'

GEORGIA REGISTERED 3-26-2025 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
GEORGIA POWER COMPANY

Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
AP - 3/4 SOUTH DOWNSLOPE CHANNEL PROFILE

CONSULTANT
wsp

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	AVR
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449
REV. 0
SHEET 26

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

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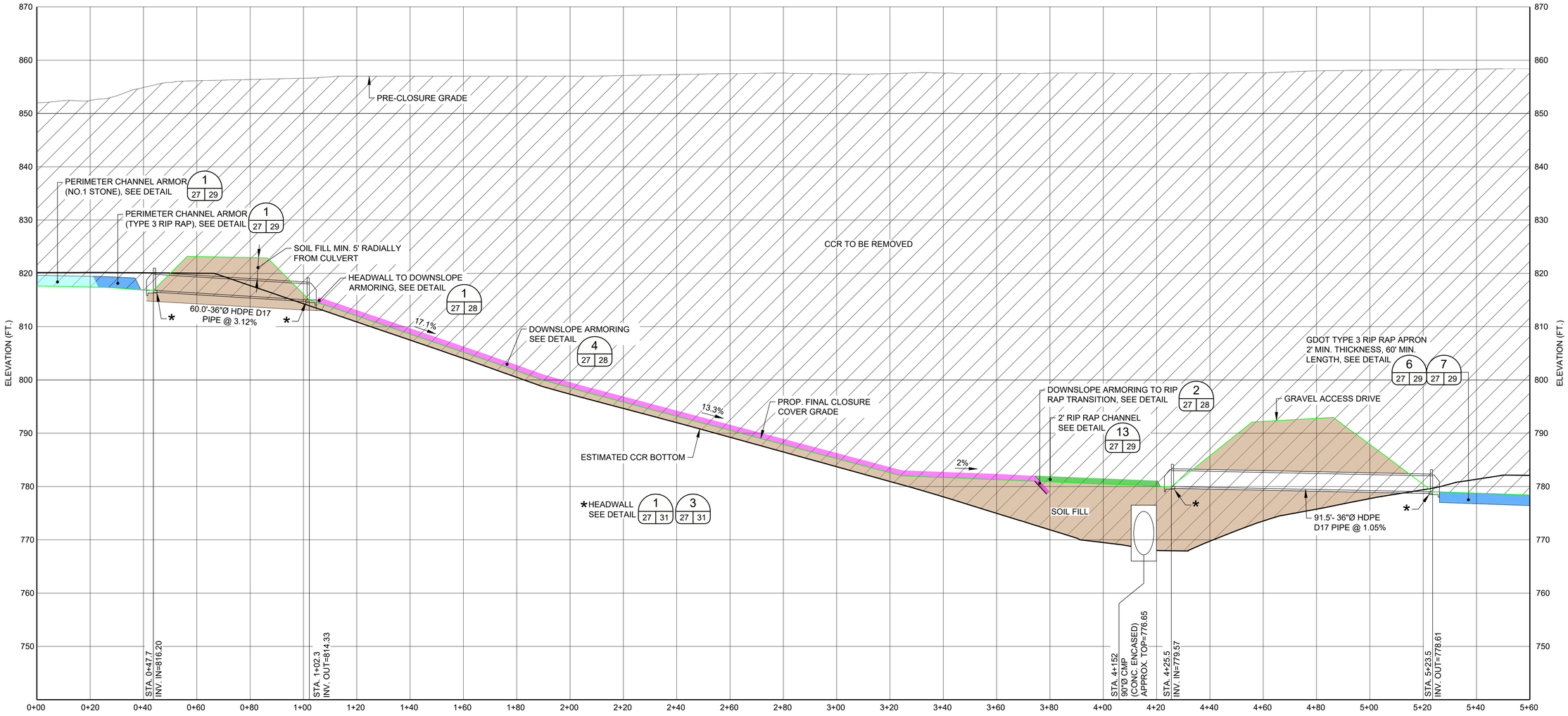

NORTH DOWNSLOPE CHANNEL PROFILE (PERIMETER CHANNEL P2)

A 27 25

0 20 40

1" = 20' FEET

2X VERTICAL EXAGGERATION

HATCH LEGEND

- CCR TO REMAIN
- EXISTING EMBANKMENT FILL
- CCR/SOIL TO BE REMOVED
- PROPOSED CCR FILL
- PROPOSED SOIL FILL
- ARMORFLEX ON CLOSURE TURF
- TYPE I RIP RAP
- TYPE 3 RIP RAP APRON
- NO.1 STONE OR TYPE 3 RIP RAP

REFERENCES

1. THE PRE-CLOSURE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 10-16-2012. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 10-26-12. PROJECT NO. 13225 - 01-13-2013."

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FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:33:31 -04'00'

GEORGIA REGISTERED 2-26-2025 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
GEORGIA POWER COMPANY

Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
AP - 3/4 NORTH DOWNSLOPE CHANNEL PROFILE

CONSULTANT
wsp

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 27

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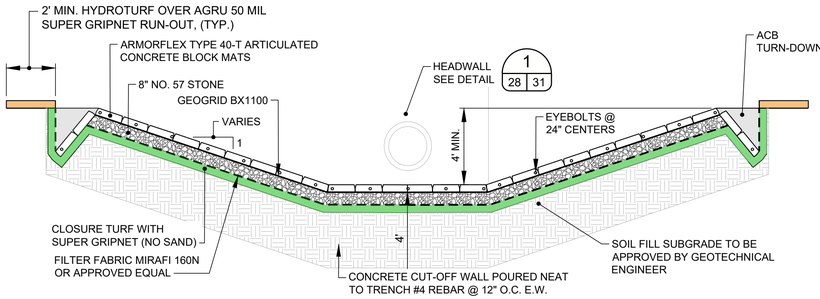
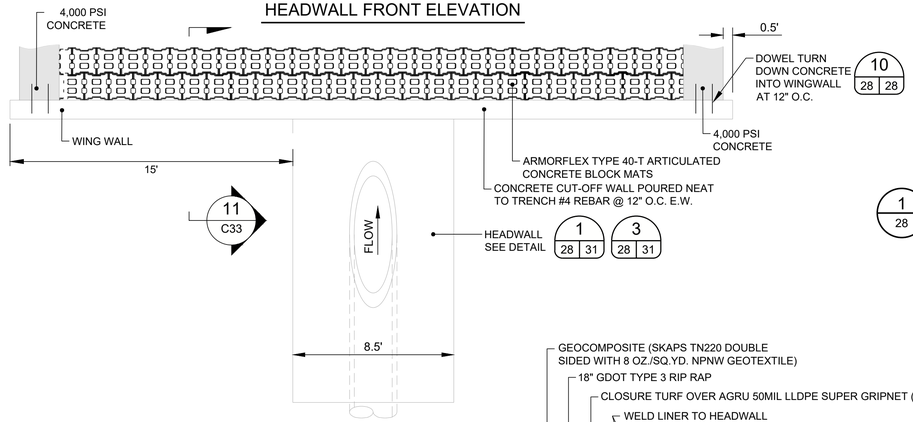
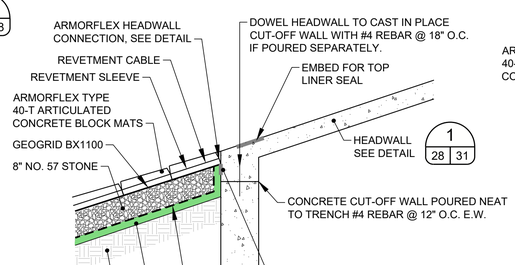


HEADWALL FRONT ELEVATION



HEADWALL PLAN

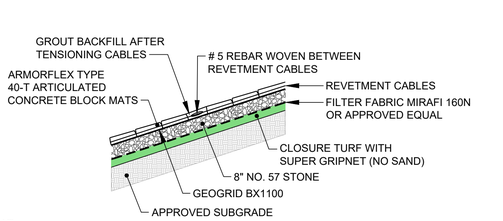


HEADWALL SIDE ELEVATION

NOTE: INSTALL THICKER END OF THE TAPERED 40-T BLOCKS TOWARD DOWNSTREAM

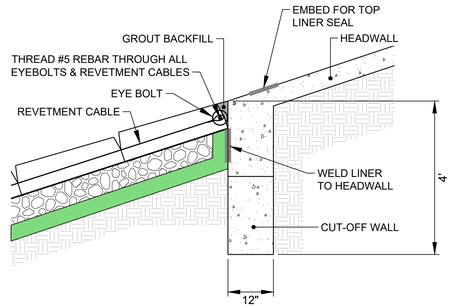
1 28 ARMORFLEX ANCHORING DETAILS 25 27

0 4 8
1" = 4' FEET



MAT JOINT DETAIL

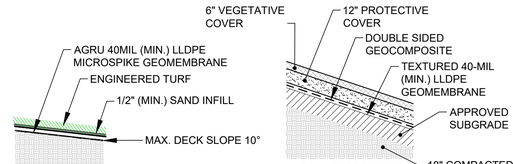
NTS



ARMORFLEX HEADWALL CONNECTION DETAIL

NTS

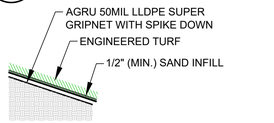
0 2 4
1" = 2' FEET



ALTERNATE

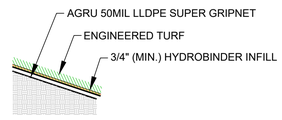
5 28 8 25 CLOSURETURF FINAL COVER WITH MICROSPIKE DETAIL

NTS



6 28 8 CLOSURETURF FINAL COVER WITH SUPER GRIPNET DETAIL

NTS

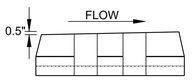


7 28 8 HYDROTURF FINAL COVER DETAIL

NTS

8 28 8 CLOSURETURF FINAL COVER WITH ARMORFILL E APPLICATION

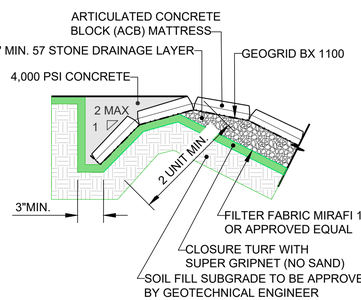
NTS



TAPERED ARTICULATED BLOCKS TO BE PLACED WITH RAISED END AT DOWNSTREAM

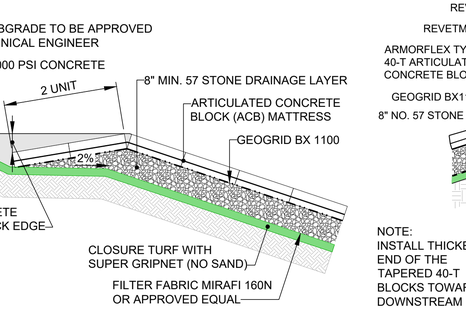
9 28 ARTICULATED BLOCK ORIENTATION

0 4 8
1" = 4' FEET



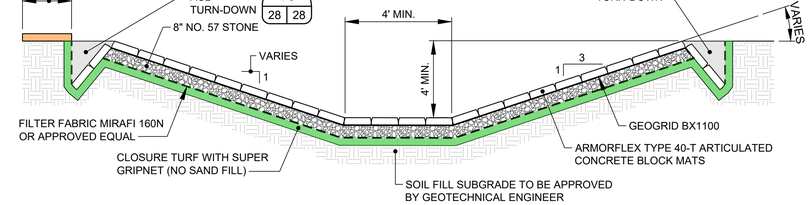
2 28 7 25 26 27 TRANSITION DETAIL ARTICULATED BLOCK TO RIP RAP

0 4 8
1" = 4' FEET



3 28 7 25 26 PERIMETER CHANNEL TO ARTICULATED BLOCK

0 4 8
1" = 4' FEET



4 28 25 26 27 DOWNSLOPE CHANNEL TYPICAL ARMORING SECTION

0 4 8
1" = 4' FEET

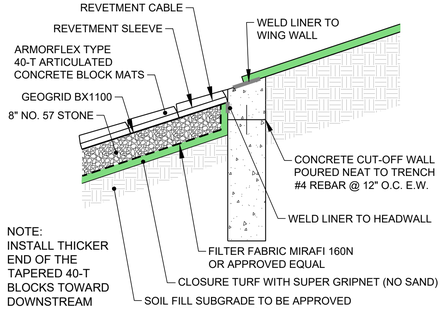
FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

10 C28 ACB TURN-DOWN DETAIL

0 4 8
1" = 4' FEET

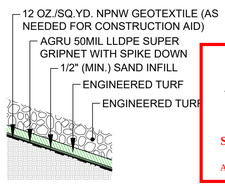
11 C28 ALTERNATIVE ACB TURN-DOWN DETAIL

0 2 4
1" = 2' FEET



12 C33 WINGWALL SIDE ELEVATION

0 2 4
1" = 2' FEET



13 28 7 CLOSURETURF & BALLAST DETAIL

NTS

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
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GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
GEORGIA POWER COMPANY

Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
AP - 3/4 CLOSURE DETAILS - SHEET 1 OF 2

CONSULTANT
wsp

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	AVR
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 28

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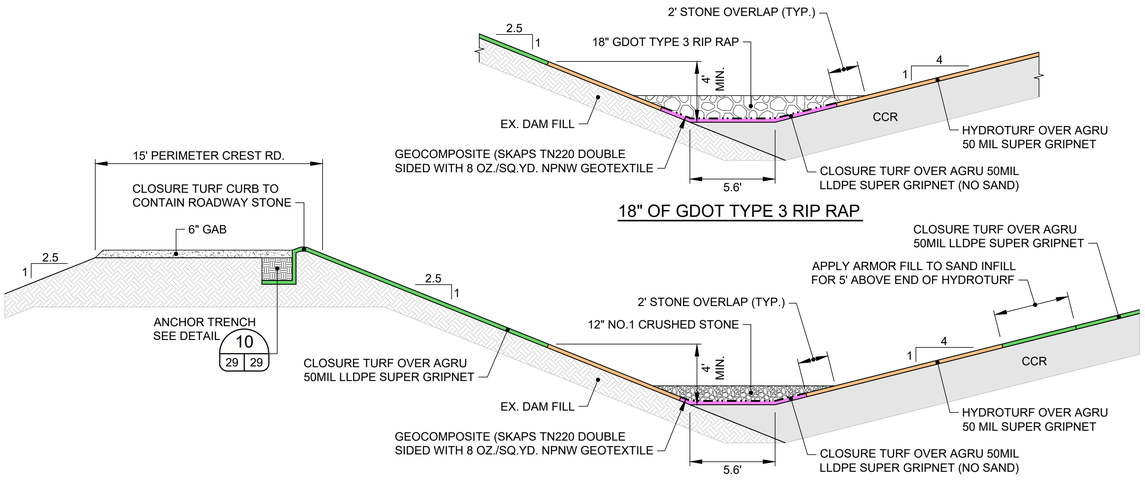
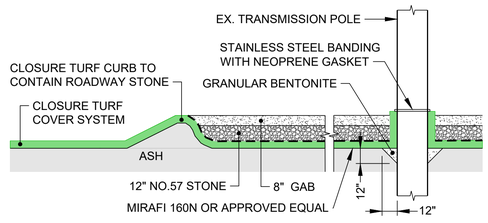


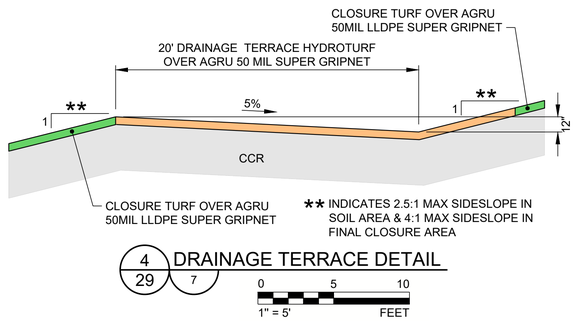
1 29 PERIMETER ROAD & CHANNEL DETAIL (7 21 23 26 27)

0 5 10
1" = 5' FEET



3 29 11 FINAL COVER FOUNDATION TRANSMISSION ACCESS DETAIL

0 5 10
1" = 5' FEET



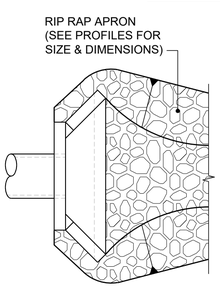
4 29 7 DRAINAGE TERRACE DETAIL

0 5 10
1" = 5' FEET

ELEVATION

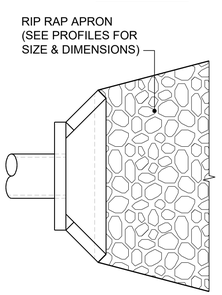
ELEVATION

ELEVATION



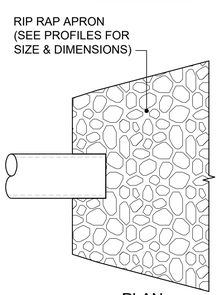
PLAN

PIPE OUTLET TO WELL DEFINED CHANNEL
7 29 23 25 27 NTS



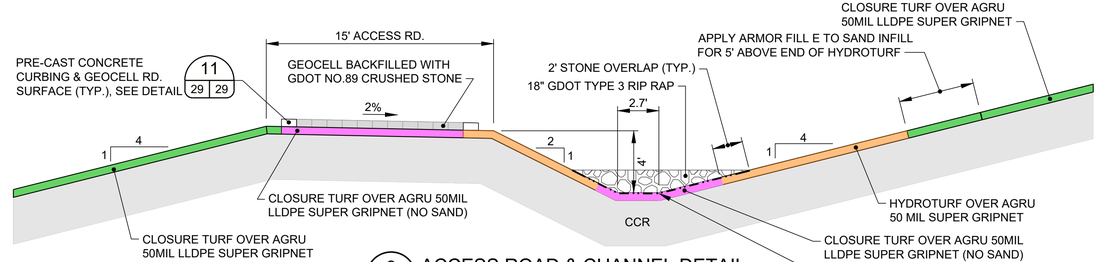
PLAN

PIPE OUTLET TO FLAT AREA NO WELL DEFINED CHANNEL
8 29 21 NTS



PLAN

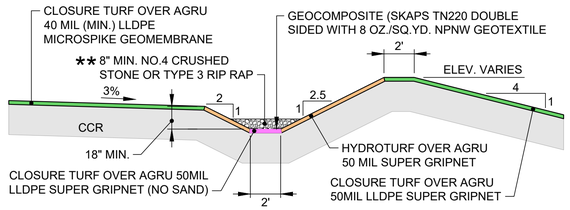
PIPE OUTLET NO HEADWALL TO FLAT AREA NO WELL DEFINED CHANNEL
9 29 NTS



2 29 7 ACCESS ROAD & CHANNEL DETAIL

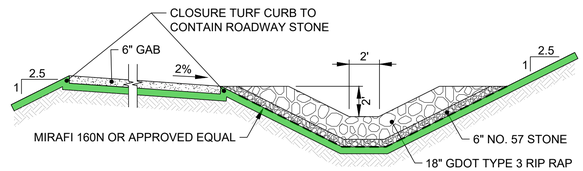
0 5 10
1" = 5' FEET

** SLOPE DIVERSION CHANNEL SHALL BE LINED WITH 8" NO.4 STONE, WITH LAST 20' (MIN.) LINED WITH 8" TYPE 3 RIP RAP TO PROVIDE TERMINATION AND TRANSITION.



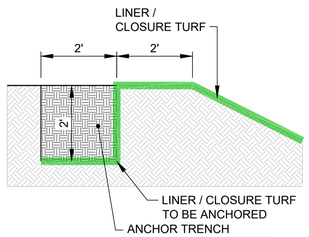
5 29 TOP OF SLOPE DIVERSION DETAIL

0 5 10
1" = 5' FEET

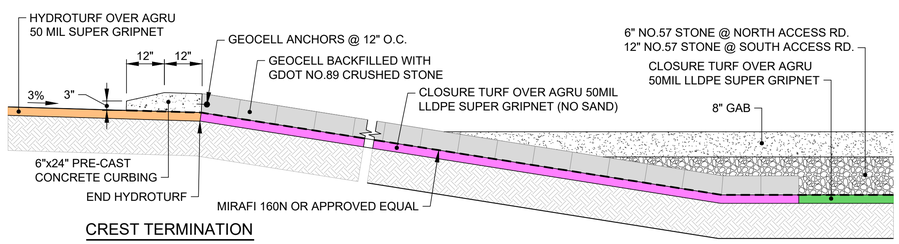


6 29 22 27 32 GRAVEL ACCESS ROAD & CHANNEL DETAIL (OUTSIDE CCR LIMIT ONLY)

0 5 10
1" = 5' FEET



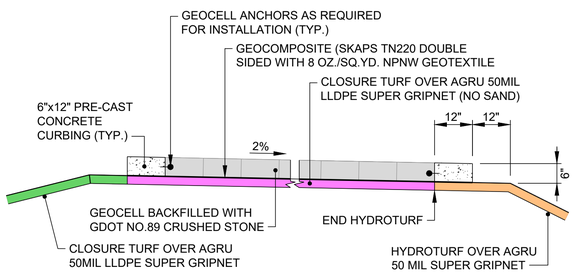
10 29 29 TYPICAL ANCHOR TRENCH NTS



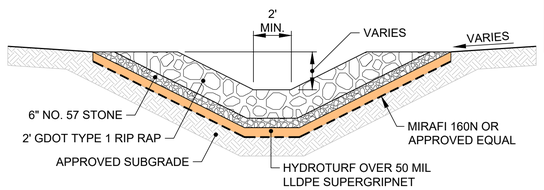
CREST TERMINATION

TOE TERMINATION

12 29 7 ACCESS RD. CREST & TOE TERMINATION NTS



11 29 7 ACCESS RD. CURBING NTS



13 29 26 27 RIP RAP APRON OVER HYDROTURF NTS

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:59:23 -04'00'

GEORGIA REGISTERED 2-26-2025 No. PE034749 PROFESSIONAL ENGINEER
GREGORY L. HEBELER
GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
GEORGIA POWER COMPANY

Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
AP - 3/4 CLOSURE DETAILS - SHEET 2 OF 2

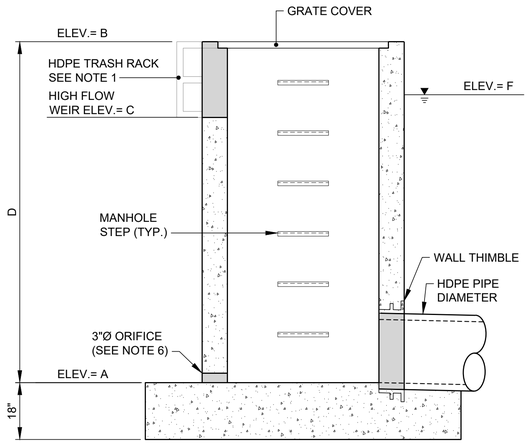
CONSULTANT
wsp

YYYY-MM-DD	2025-FEB
DESIGNED	GLH
PREPARED	AVR
CHECKED	MP
REVIEWED / APPROVED	GLH

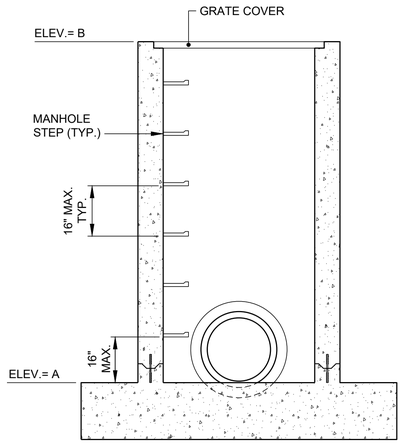
PROJECT NO. 1777449 | REV. 0 | SHEET 29

0 1 in
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

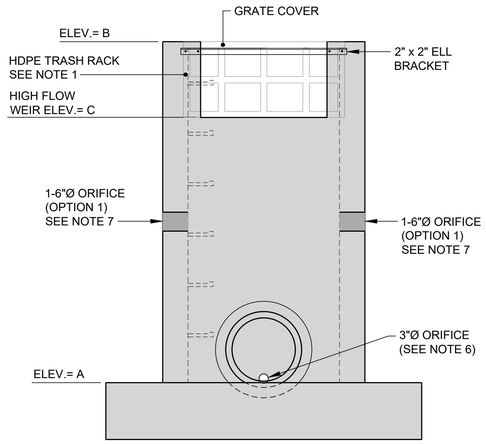
Path: \\corp.pbwan.net\US\Central\Data\US\ATL700\Cadd\Southern Company\1777449 Plant McDonough Permitting\AP-3&4 - AP-2\AP-3&4\PRODUCTION\ | File Name: 1777449 29 CLOSURE DETAILS.dwg



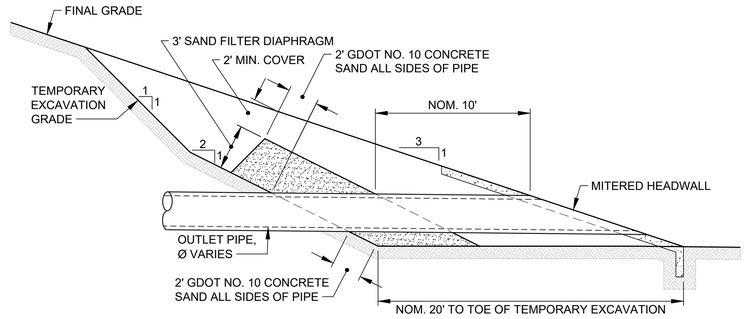
SECTION A-A



SECTION B-B

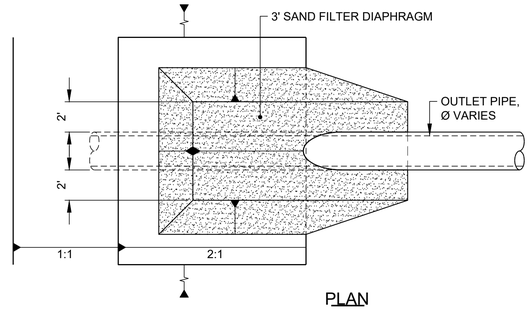


SECTION C-C



LONGITUDINAL SECTION

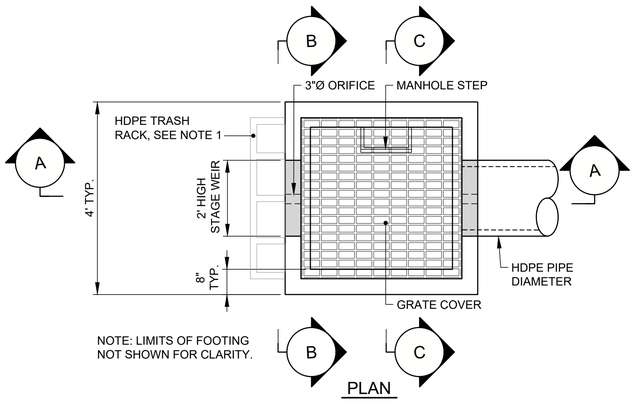
SPILL WAY STRUCTURE SCHEDULE		
	POND #1	POND #3
A - INVERT ELEV.	828.0	832.0
B - TOP ELEV.	838.0	843.0
C - WEIR ELEV.	836.0	841.0
D - HEIGHT	10'	8.2'
E - PIPE DIAMETER	24"	18"
F - 100 YR PEAK WSE	837.5	842.3



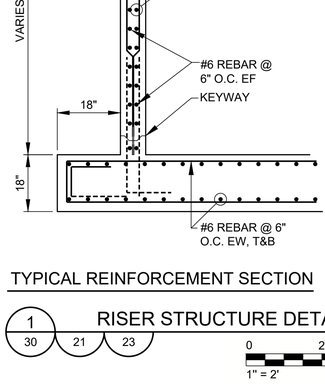
PLAN

2 / 21 / 30 SAND FILTER DIAPHRAGM COLLAR AT JACK AND BORE EXIT

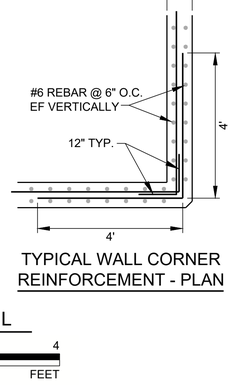
0 5 10
1" = 5' FEET



PLAN



TYPICAL REINFORCEMENT SECTION



TYPICAL WALL CORNER REINFORCEMENT - PLAN

1 / 30 / 21 / 23 RISER STRUCTURE DETAIL

0 2 4
1" = 2' FEET

NOTES

1. HDPE TRASH RACK AS SPECIFIED BY "PLASTIC SOLUTIONS INC.", OR APPROVED EQUIVALENT.

2. ALL CONCRETE TO BE CLASS 4000. ALL REINFORCEMENT SHALL BE GRADE 60.

3. ALL EXPOSED EDGES SHALL HAVE A MINIMUM ONE INCH CHAMFER.

4. REBAR SHALL HAVE A 3 INCH CONCRETE COVER WHEN POURED AGAINST GROUND SURFACE AND A 2 INCH CONCRETE COVER WHEN POURED AGAINST FORMS.

5. ON UNEXPOSED JOINTS CLOSED CELL ROUND BUTYL CORD 1/4 INCH LARGER THAN THE JOINT AS MEASURED IN THE FIELD, SHALL BE INSTALLED.

6. DETENTION POND 3 OUTLET STRUCTURE TO RECEIVE SIX 3" DIAMETER LOW LEVEL OUTLET ORIFICES.

7. POND #1 SRUCTURE MID LEVEL ORIFICE INLETS CAN CONSIST OF THE FOLLOWING OPTIONS. ORIFICE HOLES SHALL BE CORED AT EVEN INTERVALS AT SPECIFIED ELEVATION:

OPTION 1: 2X 6" ORIFICE HOLES AT ELEVATION 832 FT- MSL
OPTION 2: 8X 3" ORIFICE AT ELEVATION 832 FT-MSL

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:39:33 -04'00'

GEORGIA REGISTERED 3-26-2025 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
GEORGIA POWER COMPANY

Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
AP-3/4 SURFACE WATER MANAGEMENT DETAILS - SHEET 1 OF 5

CONSULTANT
wsp

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	AVR
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 30

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

0 1in

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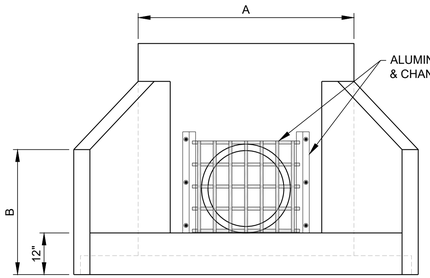
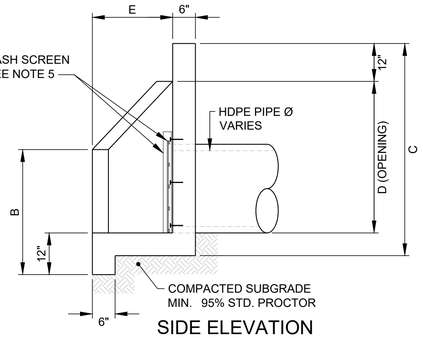
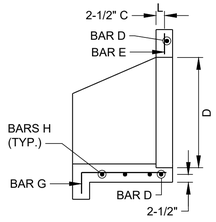


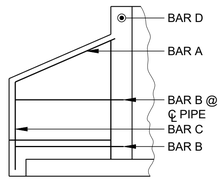
FRONT ELEVATION



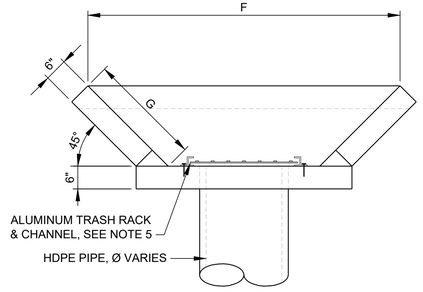
SIDE ELEVATION



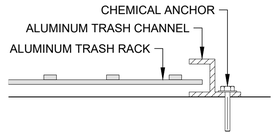
BASE & WALL SECTION



WING SECTION



PLAN



ALUMINUM CHANNEL DETAIL

SEE NOTE 5

NOTES

1. ALL CONCRETE SHALL BE 4000 PSI.

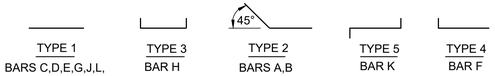
2. REINFORCING STEEL SHALL BE #4 BARS (MIN.), GRADE 60, @ 12" O.C. MAX. SPACING.

3. PLACE REINFORCING 2" CLEAR MIN.

4. CHAMFER ALL EXPOSED EDGES 1".

5. ALUMINUM TRASH SCREEN TO BE INSTALLED ON HEADWALL AT POND 2 OUTLET PIPE AND AT THE UPSTREAM END OF THE CROSSOVER STRUCTURE ONLY. ALUMINUM TRASH SCREEN SHALL BE 1" WIDE BY 3/8" THICK AND HAVE 4"x6" NOMINAL OPENINGS. TRASH SCREEN SHALL BE INSERTED IN 2"x3" ALUMINUM CHANNELS IN A MANNER WHICH FACILITATES REMOVAL FOR SERVICING LOW LEVEL OUTLET PIPE. ALUMINUM CHANNELS SHALL BE ATTACHED TO HEADWALL USING CHEMICAL ANCHORS AS APPROVED BY ENGINEER.

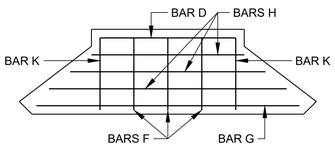
BAR REINFORCING DETAILS



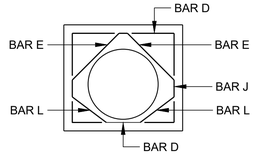
TYPE 1	TYPE 3	TYPE 2	TYPE 5	TYPE 4
BARS C,D,E,G,J,L,	BAR H	BARS A,B	BAR K	BAR F

VARIABLE DIMENSIONS (HDPE DR26 PIPE)										
OUTSIDE DIA. PIPE	A	B	C	D	E	F	G	WT. LBS.	BASE AREA	CU. YDS. CONC.
18"	3'-5"	2'-4"	3'-4 1/2"	2'-0"	1'-5"	4'-10"	2'-0"	1783	8.30	0.43
24"	4'-0"	2'-9"	3'-11"	2'-7"	1'-8"	5'-11"	2'-4 1/2"	2063	11.90	0.51
36"	4'-8"	3'-5"	5'-0"	3'-8"	2'-4"	7'-11"	3'-3 1/2"	4060	19.60	1.00

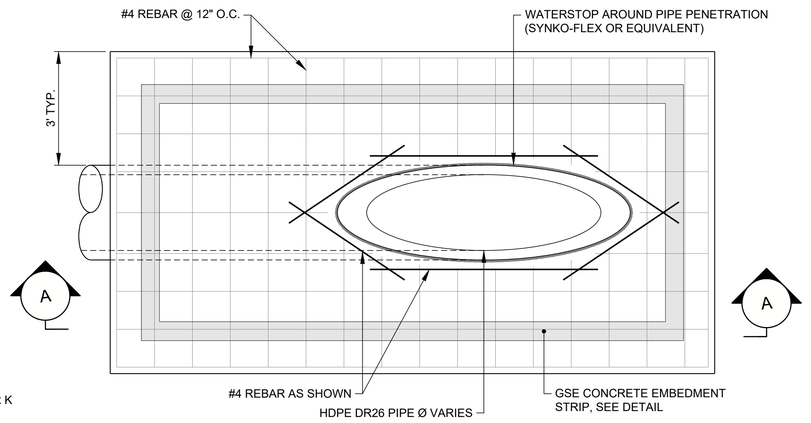
VERTICAL HEADWALL DETAIL



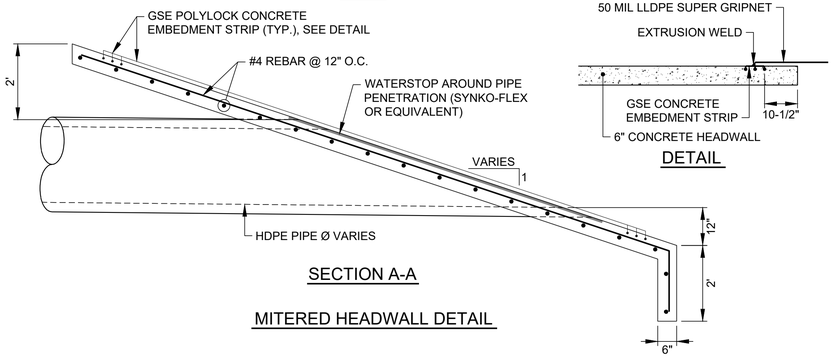
BASE SECTION



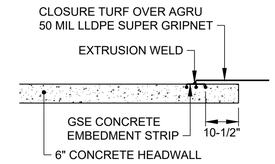
WALL SECTION



PLAN

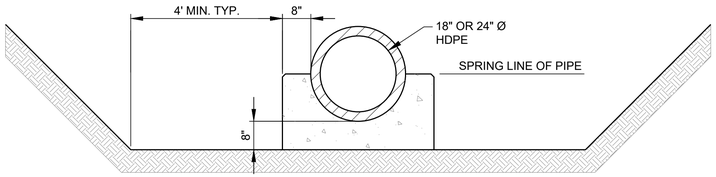


SECTION A-A



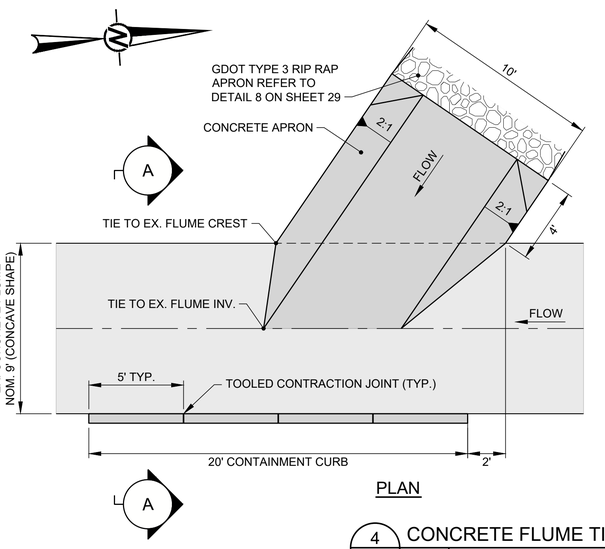
DETAIL

MITERED HEADWALL DETAIL

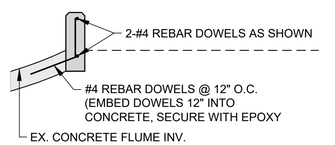


3 | 31 | 22 | 23 | 33 | 34 — CONCRETE PIPE CRADLE DETAIL

0 2 4 — 1" = 2' FEET

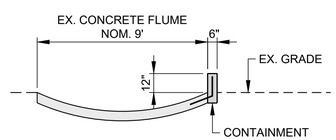


PLAN



CURB DETAIL

NTS



SECTION A-A

4 | 31 | 23 — CONCRETE FLUME TIE-IN DETAIL

0 4 8 — 1" = 4' FEET

1 | 31 | 21 | 22 | 23 | 25 | 27 | 28 | 32 — HEADWALLS DETAIL — NTS

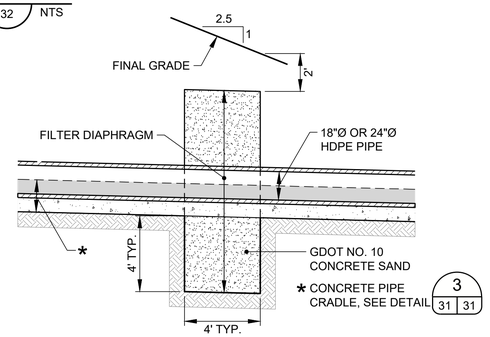
NOTES

1. ALL CONCRETE TO BE 4000 PSI. ALL REINFORCEMENT SHALL BE GRADE 60.

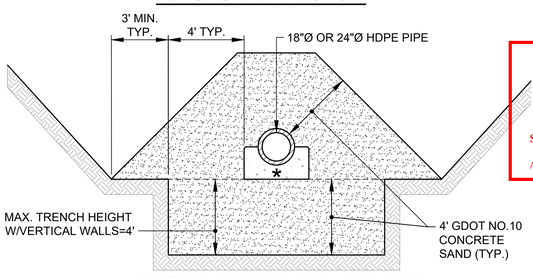
2. ALL EXPOSED EDGES SHALL HAVE A MINIMUM ONE INCH CHAMFER.

3. REBAR SHALL HAVE A 3 INCH CONCRETE COVER WHEN POURED AGAINST GROUND SURFACE AND A 2 INCH CONCRETE COVER WHEN POURED AGAINST FORMS.

4. ON UNEXPOSED JOINTS CLOSED CELL ROUND BUTYL CORD 1/4 INCH LARGER THAN THE JOINT AS MEASURED IN THE FIELD, SHALL BE INSTALLED.



LONGITUDINAL SECTION



LATERAL SECTION @ DIAPHRAGM

2 | 31 | 22 | 23 — SAND FILTER DIAPHRAGM COLLAR AT EXPOSED INSTALLATIONS

0 4 8 — 1" = 4' FEET

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:33:-04'00'

GEORGIA REGISTERED 3-26-25 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

CLIENT
GEORGIA POWER COMPANY

Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
AP-3/4 SURFACE WATER MANAGEMENT DETAILS - SHEET 2 OF 5

CONSULTANT

wsp

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 31

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

0 1in

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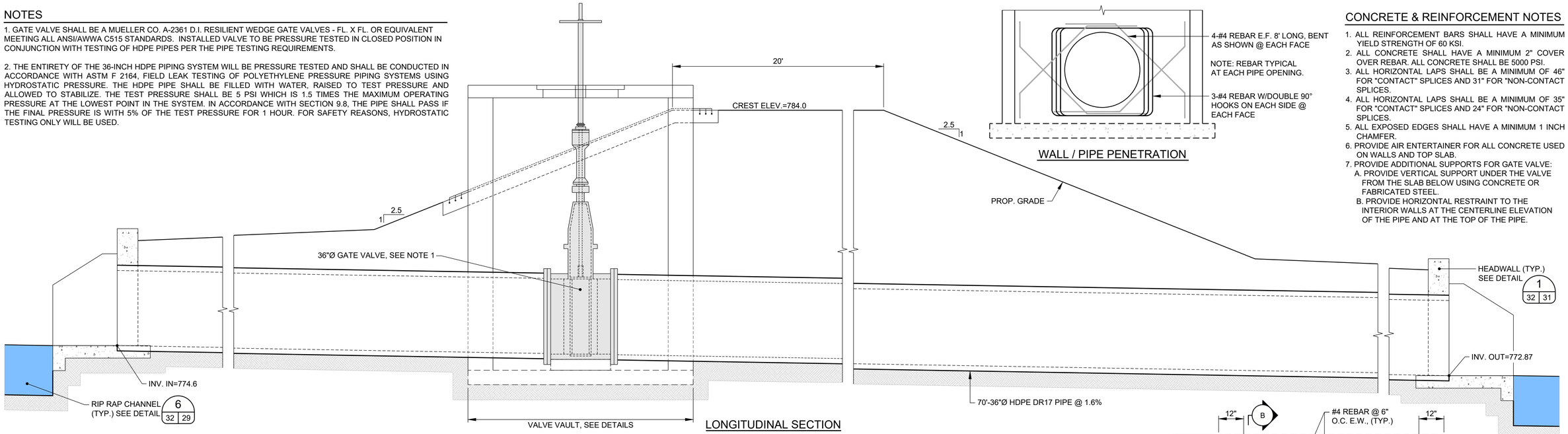
NOTES

1. GATE VALVE SHALL BE A MUELLER CO. A-2361 D.I. RESILIENT WEDGE GATE VALVES - FL. X FL. OR EQUIVALENT MEETING ALL ANSI/AWWA C515 STANDARDS. INSTALLED VALVE TO BE PRESSURE TESTED IN CLOSED POSITION IN CONJUNCTION WITH TESTING OF HDPE PIPES PER THE PIPE TESTING REQUIREMENTS.

2. THE ENTIRETY OF THE 36-INCH HDPE PIPING SYSTEM WILL BE PRESSURE TESTED AND SHALL BE CONDUCTED IN ACCORDANCE WITH ASTM F 2164, FIELD LEAK TESTING OF POLYETHYLENE PRESSURE PIPING SYSTEMS USING HYDROSTATIC PRESSURE. THE HDPE PIPE SHALL BE FILLED WITH WATER, RAISED TO TEST PRESSURE AND ALLOWED TO STABILIZE. THE TEST PRESSURE SHALL BE 5 PSI WHICH IS 1.5 TIMES THE MAXIMUM OPERATING PRESSURE AT THE LOWEST POINT IN THE SYSTEM. IN ACCORDANCE WITH SECTION 9.8, THE PIPE SHALL PASS IF THE FINAL PRESSURE IS WITH 5% OF THE TEST PRESSURE FOR 1 HOUR. FOR SAFETY REASONS, HYDROSTATIC TESTING ONLY WILL BE USED.

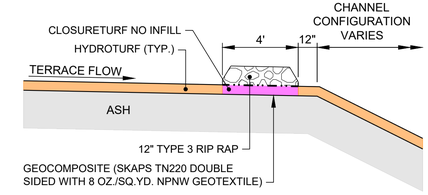


LONGITUDINAL SECTION

WALL / PIPE PENETRATION

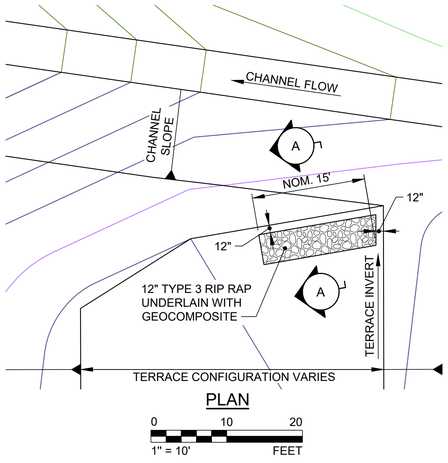
CONCRETE & REINFORCEMENT NOTES

1. ALL REINFORCEMENT BARS SHALL HAVE A MINIMUM YIELD STRENGTH OF 60 KSI.
2. ALL CONCRETE SHALL HAVE A MINIMUM 2" COVER OVER REBAR. ALL CONCRETE SHALL BE 5000 PSI.
3. ALL HORIZONTAL LAPS SHALL BE A MINIMUM OF 46" FOR "CONTACT" SPLICES AND 31" FOR "NON-CONTACT SPLICES.
4. ALL HORIZONTAL LAPS SHALL BE A MINIMUM OF 35" FOR "CONTACT" SPLICES AND 24" FOR "NON-CONTACT SPLICES.
5. ALL EXPOSED EDGES SHALL HAVE A MINIMUM 1 INCH CHAMFER.
6. PROVIDE AIR ENTERTAINER FOR ALL CONCRETE USED ON WALLS AND TOP SLAB.
7. PROVIDE ADDITIONAL SUPPORTS FOR GATE VALVE:
   A. PROVIDE VERTICAL SUPPORT UNDER THE VALVE FROM THE SLAB BELOW USING CONCRETE OR FABRICATED STEEL.
   B. PROVIDE HORIZONTAL RESTRAINT TO THE INTERIOR WALLS AT THE CENTERLINE ELEVATION OF THE PIPE AND AT THE TOP OF THE PIPE.



SECTION A-A

0 4 8
1" = 4' FEET



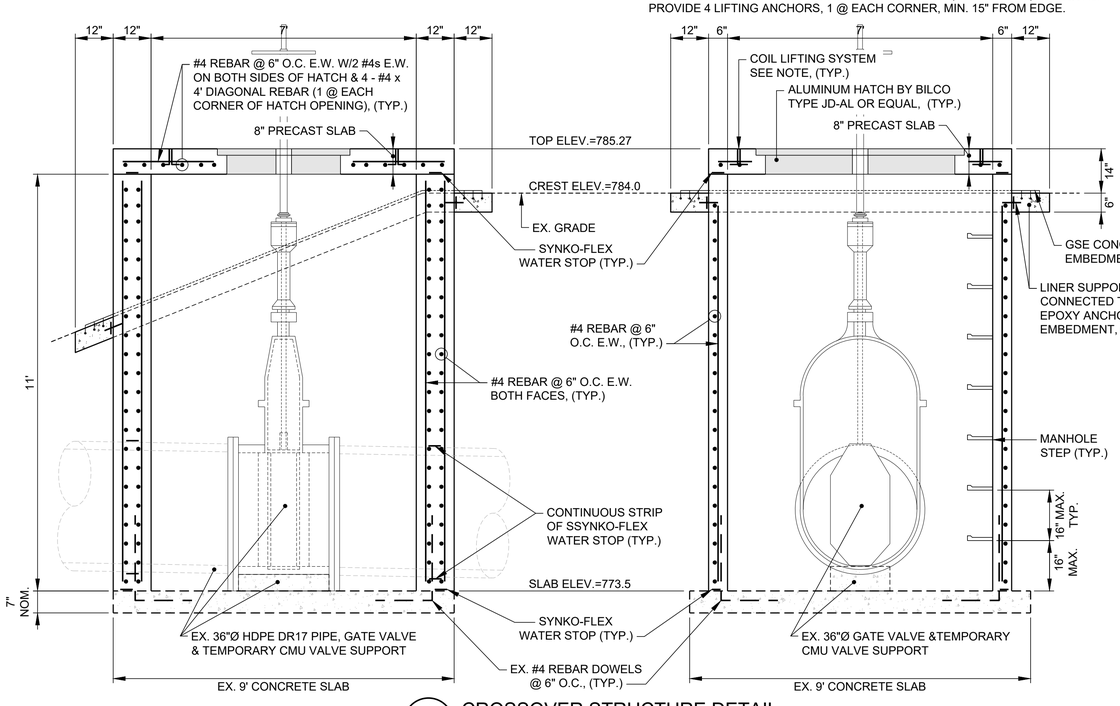
PLAN

0 10 20
1" = 10' FEET

NOTE: THIS DETAIL TO BE USED ON MAIN SLOPE TERRACES AS IDENTIFIED ON DRAWING C10 OR AS REQUESTED BY THE PROJECT CONSTRUCTION MANAGER.

2/32 TERRACE PRESSURE RELIEF WINDOW

NOTE: COIL LIFTING SYSTEM BY DALTON-SUPERIOR (T1 ANCHORS) OR EQUAL.
PROVIDE 4 LIFTING ANCHORS, 1 @ EACH CORNER, MIN. 15" FROM EDGE.

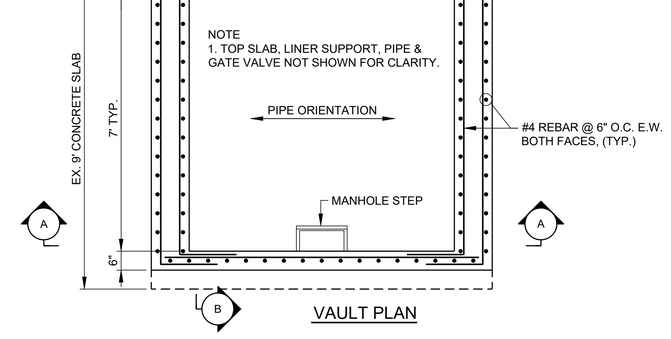


SECTION A-A

1/32 22 CROSSOVER STRUCTURE DETAIL

SECTION B-B

0 2 4
1" = 2' FEET



VAULT PLAN

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:59:35 -04'00'

GEORGIA REGISTERED 3-26-2025 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
GEORGIA POWER COMPANY

Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
AP-3/4 SURFACE WATER MANAGEMENT DETAILS - SHEET 3 OF 5

CONSULTANT
wsp

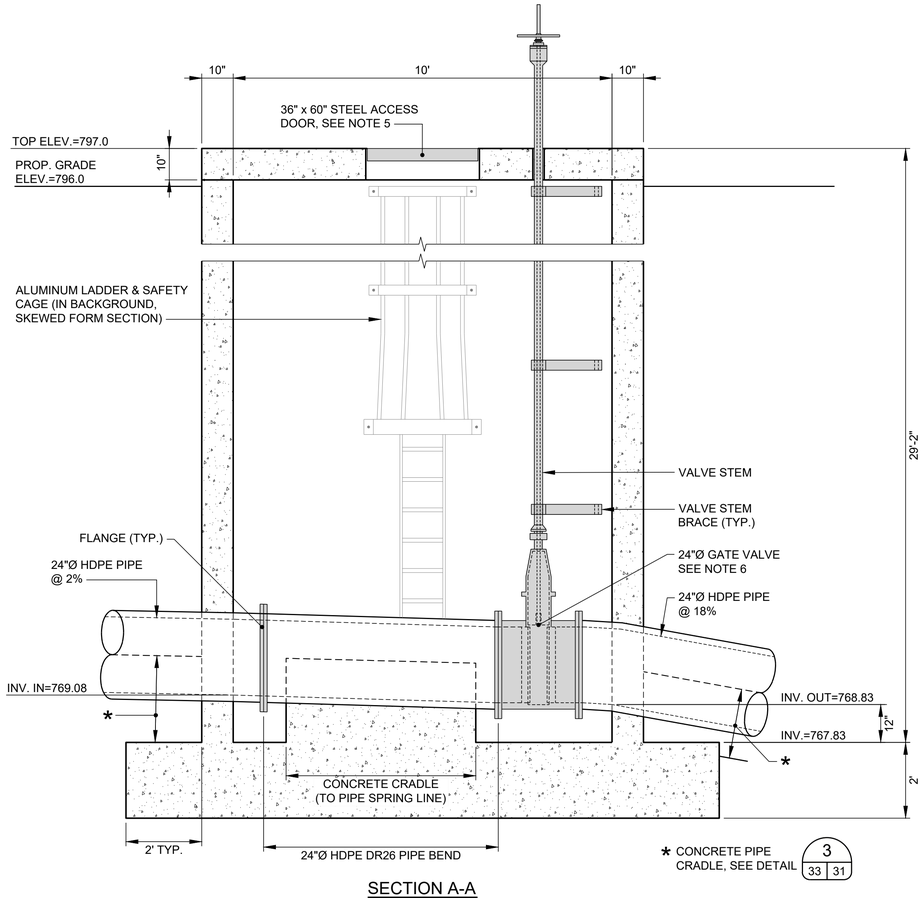
YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 32

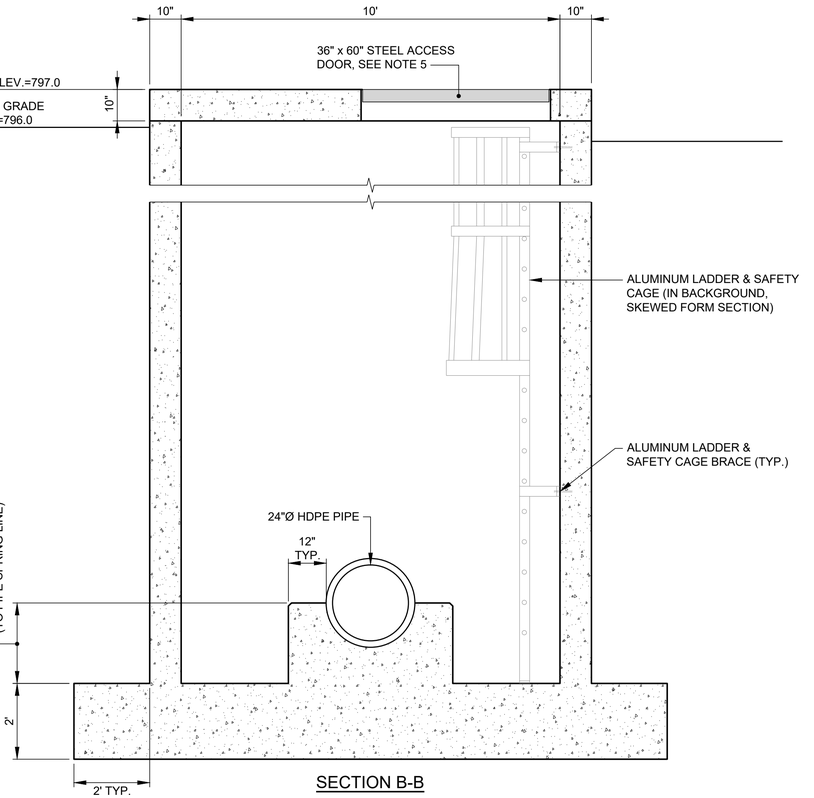
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

0 1in

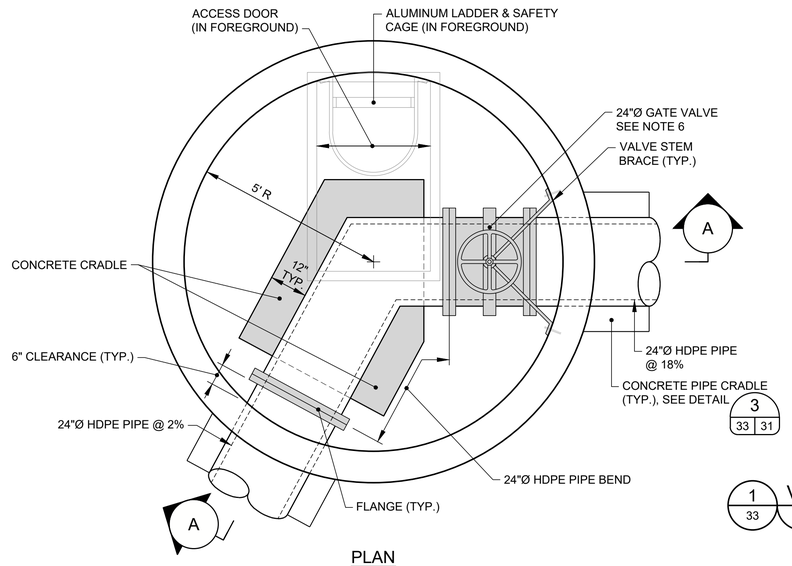
Path: \\corp.pbwan.net\US\CentralData\USATL700\Cadd\Southern Company\1777449 Plant McDonough Permitting\AP-3&4 - AP-2\AP-3&4\PRODUCTION\ | File Name: 1777449 09-ET-AL PLAN-SEC-DET.dwg | Last Edited By: uscp7013961 Date: 2025-02-27 Time:10:27:29 AM | Printed By: USCP7013961 Date: 2025-02-27 Time:11:13:41 AM



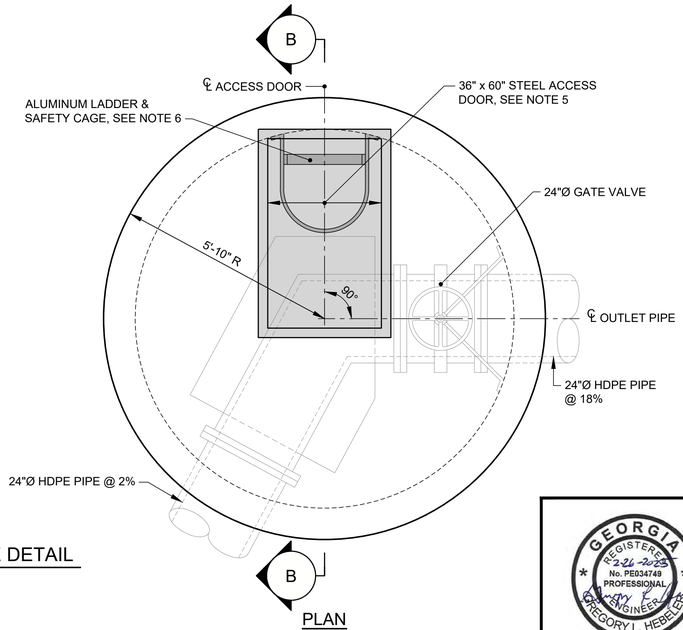
SECTION A-A



SECTION B-B



PLAN
SHOWING INVERT DETAIL



PLAN
SHOWING COVER DETAIL

1 33 22 VALVE VAULT STRUCTURE DETAIL

0 2 4
1" = 2' FEET

NOTES

1. ALL CONCRETE TO BE 4000 PSI. ALL REINFORCEMENT SHALL BE GRADE 60.

2. ALL EXPOSED EDGES SHALL HAVE A MINIMUM ONE INCH CHAMFER.

3. REBAR SHALL HAVE A 3 INCH CONCRETE COVER WHEN POURED AGAINST GROUND SURFACE AND A 2 INCH CONCRETE COVER WHEN POURED AGAINST FORMS.

4. ON UNEXPOSED JOINTS CLOSED CELL ROUND BUTYL CORD 1/4 INCH LARGER THAN THE JOINT AS MEASURED IN THE FIELD, SHALL BE INSTALLED.

5. STEEL ACCESS DOOR AS SPECIFIED BY "HALLIDAY PRODUCTS", MODEL S1S3660 (36"x60"), OR APPROVED EQUIVALENT.

6. GATE VALVE SHALL BE A MUELLER CO. A-2361 D.I. RESILIENT WEDGE GATE VALVES - FL. X FL. OR EQUIVALENT MEETING ALL ANSI/AWWA C515 STANDARDS. INSTALLED VALVE TO BE PRESSURE TESTED IN CLOSED POSITION IN CONJUNCTION WITH TESTING OF HDPE PIPES PER THE PIPE TESTING REQUIREMENTS.

7. THE ENTIRETY OF THE 24-INCH HDPE PIPING SYSTEM WILL BE PRESSURE TESTED AND SHALL BE CONDUCTED IN ACCORDANCE WITH ASTM F 2164, FIELD LEAK TESTING OF POLYETHYLENE PRESSURE PIPING SYSTEMS USING HYDROSTATIC PRESSURE. THE HDPE PIPE SHALL BE FILLED WITH WATER, RAISED TO TEST PRESSURE AND ALLOWED TO STABILIZE. THE TEST PRESSURE SHALL BE 14 PSI WHICH IS 1.5 TIMES THE MAXIMUM OPERATING PRESSURE AT THE LOWEST POINT IN THE SYSTEM. THE PIPE SHALL PASS IF THE FINAL PRESSURE IS WITH 5% OF THE TEST PRESSURE FOR 1 HOUR. FOR SAFETY REASONS, HYDROSTATIC TESTING ONLY WILL BE USED.

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:39:31 -04'00'

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

GEORGIA REGISTERED 3-26-2025 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
GEORGIA POWER COMPANY

Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
AP-3/4 SURFACE WATER MANAGEMENT DETAILS - SHEET 4 OF 5

CONSULTANT
wsp

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 33

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI D

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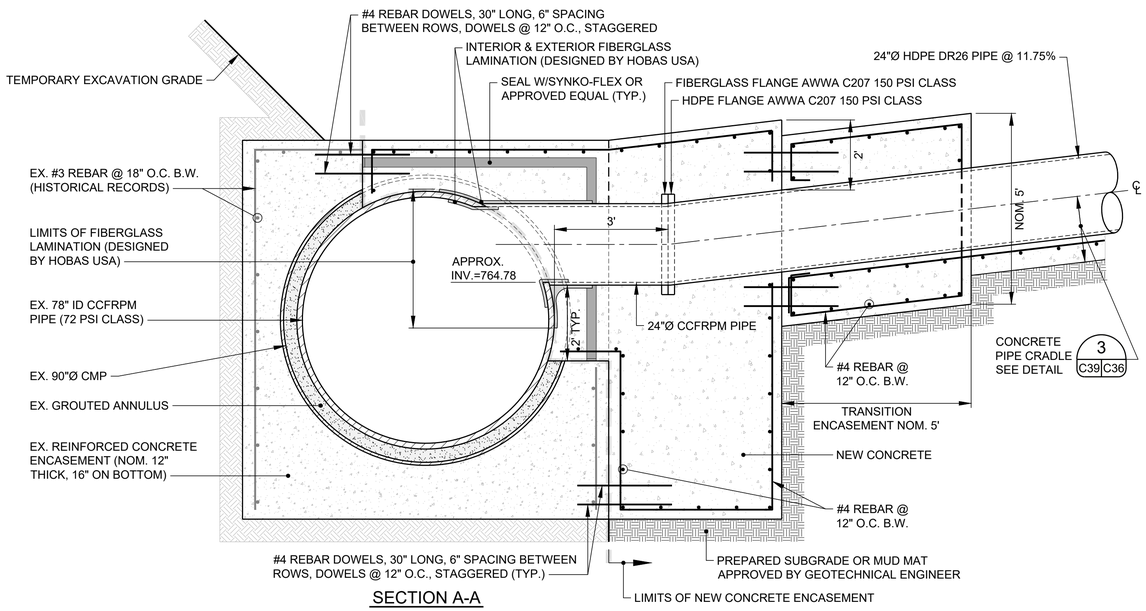
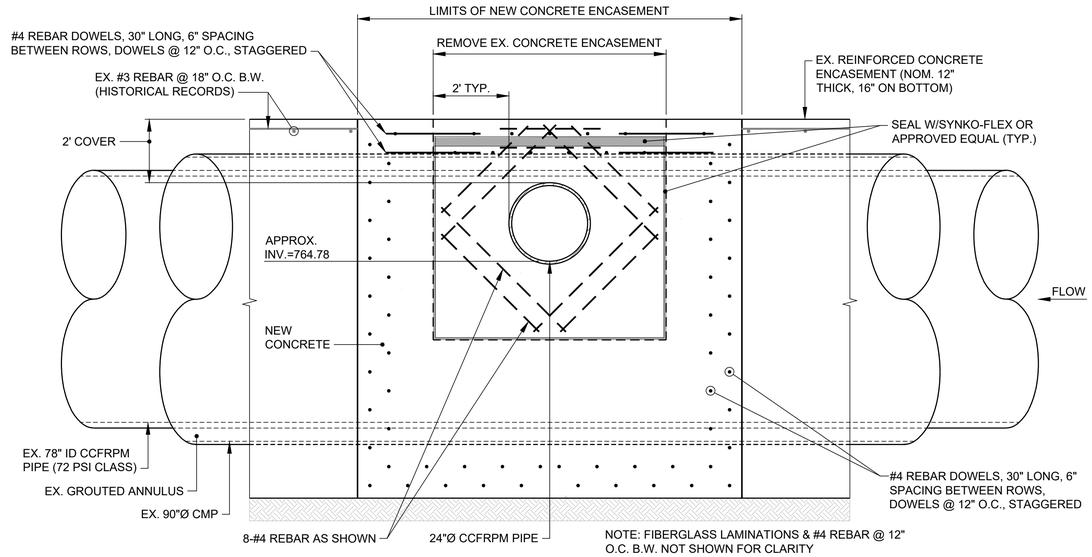
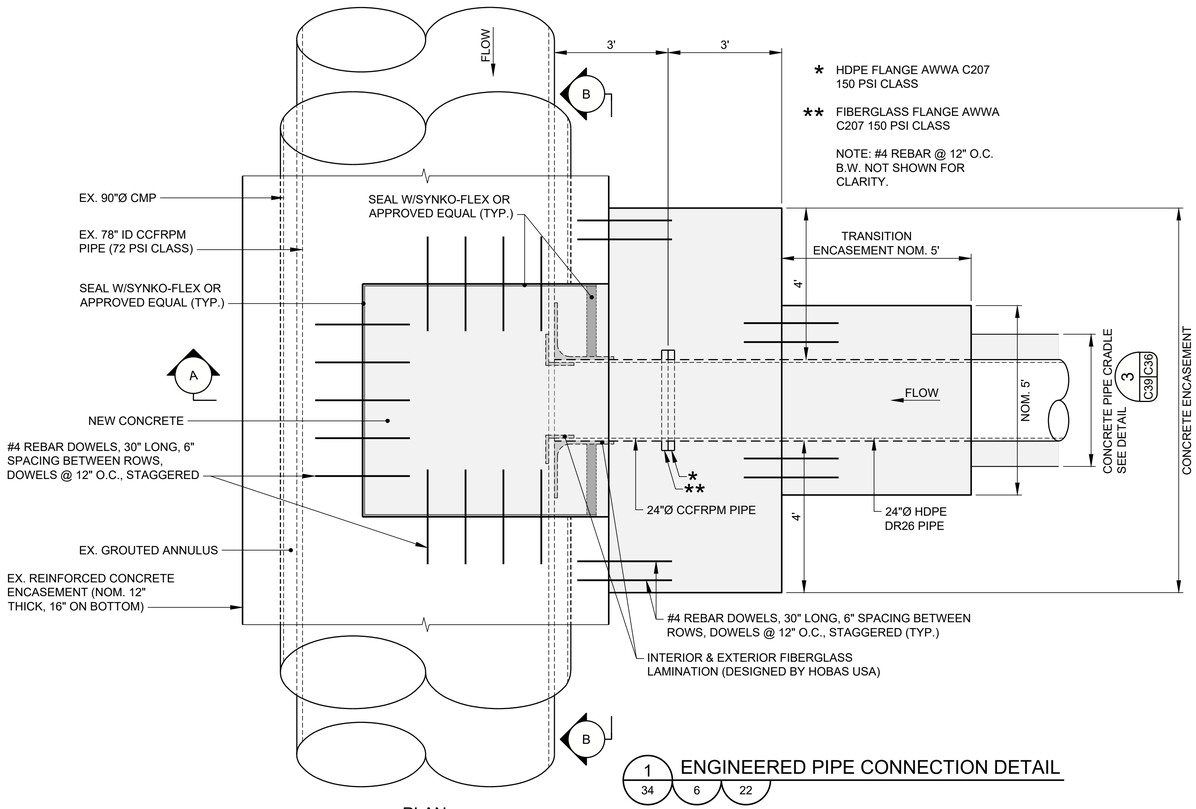


SECTION A-A



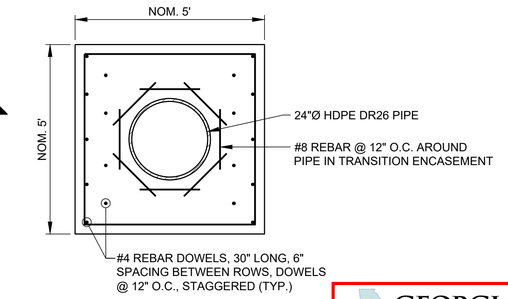
SECTION/ELEVATION B-B



PLAN

1 34 ENGINEERED PIPE CONNECTION DETAIL 6 22

0 2 4
1" = 2' FEET



TRANSITION ENCASEMENT SECTION

NOTES

1. ALL CONCRETE TO BE 4000 PSI. ALL REINFORCEMENT SHALL BE GRADE 60.

2. REBAR SHALL HAVE A 3 INCH CONCRETE COVER WHEN POURED AGAINST GROUND SURFACE AND A 2 INCH CONCRETE COVER WHEN POURED AGAINST FORMS.

3. ON UNEXPOSED JOINTS CLOSED CELL ROUND BUTYL CORD 1/4 INCH LARGER THAN THE JOINT AS MEASURED IN THE FIELD, SHALL BE INSTALLED.

4. 24 INCH DIAMETER CCFRPM (72 PSI CLASS) PIPE BY HOBAS USA TO MATCH EXISTING PIPE SYSTEM. ONE END TO BE RADIUSED TO MATCH THE OUTSIDE DIAMETER OF THE EXISTING 78 INCH DIAMETER CCFRPM (72 PSI CLASS) AND LAMINATED TO THE OUTSIDE PRIOR TO PENETRATING. THE OTHER END IS TO BE FLANGED TO MEET AWWA C207 AND 150 PSI CLASS.

5. THE ENTIRETY OF THE 24 INCH HDPE PIPING SYSTEM WILL BE PRESSURE TESTED AND SHALL BE CONDUCTED IN ACCORDANCE WITH ASTM F 2164, FIELD LEAK TESTING OF POLYETHYLENE PRESSURE PIPING SYSTEMS USING HYDROSTATIC PRESSURE. THE HDPE PIPE SHALL BE FILLED WITH WATER, RAISED TO TEST PRESSURE AND ALLOWED TO STABILIZE. THE TEST PRESSURE SHALL BE 14 PSI WHICH IS 1.5 TIMES THE MAXIMUM OPERATING PRESSURE AT THE LOWEST POINT IN THE SYSTEM. IN ACCORDANCE WITH SECTION 9.8, THE PIPE SHALL PASS IF THE FINAL PRESSURE IS WITH 5% OF THE TEST PRESSURE FOR 1 HOUR. FOR SAFETY REASONS, HYDROSTATIC TESTING ONLY WILL BE USED.

6. CONNECTION LOCATION TO BE FIELD ADJUSTED TO AVOID PIPE JOINTS AS REQUIRED.

7. AFTER 24 INCH DIAMETER CCFRPM CONNECTION HAS BEEN MADE THE EXISTING 78 INCH CCFRPM WILL BE CUT TO MATCH INSIDE DIAMETER OF THE 24 INCH CCFRPM FROM THE INSIDE TO CONNECT. INTERIOR LAMINATION TO BE COMPLETED FOR NEAT FINISH AND SMOOTH TRANSITION.

8. LAMINATION DETAILS, SPECIFICATIONS AND SHOP DRAWINGS TO BE SUPPLIED BY HOBAS USA.

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:39:12 -04'00'

GEORGIA REGISTERED 2-26-2025 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

CLIENT
GEORGIA POWER COMPANY

Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
AP-3/4 SURFACE WATER MANAGEMENT DETAILS - SHEET 5 OF 5

CONSULTANT
wsp

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 34

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

0 1in

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LEGEND

- PRE-CLOSURE CONTOURS (MARCH 2018)
- PROPERTY BOUNDARY MARKERS/LIMITS
- EXISTING OVERHEAD ELECTRIC LINES IN CCR POND 2 & 3/4 AREA TO REMAIN & TO BE PROTECTED
- 900 — FINAL CLOSURE CONTOURS
- 800 — CLOSURE CONTOURS OUTSIDE LIMITS OF CCR
- PROPOSED PERMIT BOUNDARY AP-2, AP-3/4
- P-2 — DUAL VW PIEZOMETER & INCLINOMETER
- P-1 — TRI LEVEL VW PIEZOMETER & INCLINOMETER
- P-7 — DUAL LEVEL VW PIEZOMETER
- AP-1 — EXISTING AP4 DAM PIEZOMETER
- AE-1 EW-D1 — TEMPORARY AEM WELL
- AEM & TOE DRAIN WATER CONVEYANCE PIPING, SEE NOTE 4
- FINAL LIMITS OF LINER
- FINAL LIMITS OF CCR

REFERENCES

1. THE EXISTING SITE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 03-18-2018. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 03-18-2018."

NOTES

1. ELEVATIONS SHOWN OUTSIDE OF CLOSURE LIMITS ARE BASED ON MARCH 2018 TOPOGRAPHY AND MAY NOT REPRESENT CURRENT CONDITIONS.

2. INSTRUMENTATION, DEWATERING WELLS AND EXISTING PIEZOMETERS AND TOE DRAINS WITHIN EXCAVATION AREAS TO BE MAINTAINED, PROTECTED AND LOWERED AS NECESSARY THROUGHOUT CONSTRUCTION. IF DAMAGED THEY SHALL BE REPLACED IN KIND UNLESS OTHERWISE APPROVED BY THE ENGINEER.

3. NO INSTRUMENTATION OR AEM AND TOE DRAIN WATER MANAGEMENT INFRASTRUCTURE IN AP-2.

4. AEM WATER PIPING IS DUAL CONTAINED WHEN OUTSIDE LIMITS OF CCR.

5. A WATERSHED SOLAR POWERCAP® PILOT SOLAR INSTALLATION IS INSTALLED ON THE SOUTHWEST SLOPE OF AP-3/4. THE POWERCAP® SYSTEM IS A DIRECT SURFACE INSTALLATION WHICH CONSISTS OF A SOLAR ARRAY PLACED ON THE CLOSURETURF ENGINEERED COVER SYSTEM. THE PILOT SOLAR INSTALLATION WAS COMPLETED ON JANUARY 31, 2019 AND COVERS AN AREA OF 0.07 ACRES.

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

0 200 400
1" = 200' FEET

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:39:53 -04'00'

GEORGIA REGISTERED 2-26-2025 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
GEORGIA POWER COMPANY

Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
POST-CLOSURE CONTACT WATER MANAGEMENT AND INSTRUMENTATION PLAN

CONSULTANT
wsp

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	RMS
CHECKED	LS
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 35

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

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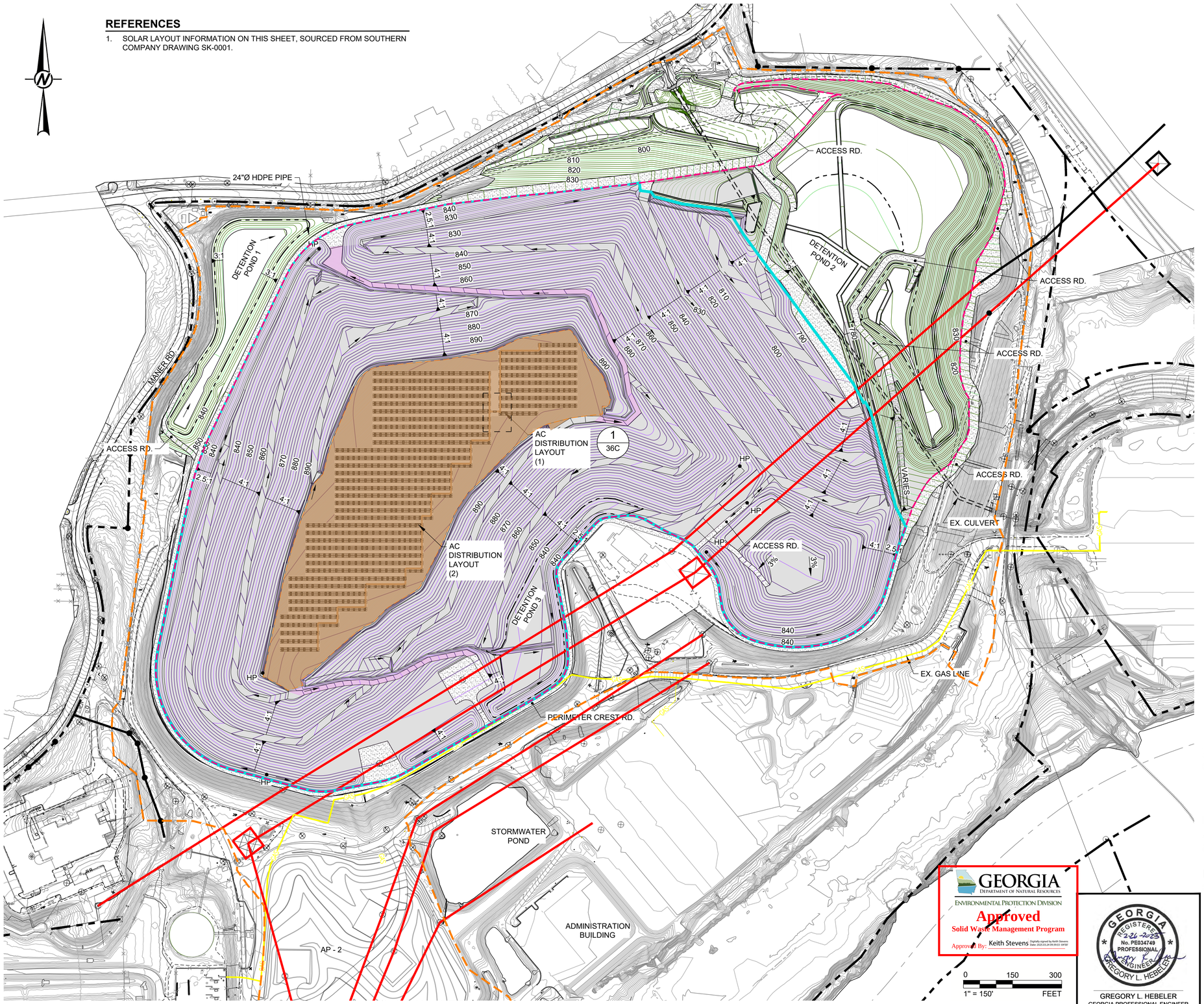
REFERENCES

1. SOLAR LAYOUT INFORMATION ON THIS SHEET, SOURCED FROM SOUTHERN COMPANY DRAWING SK-0001.



LEGEND

- EXISTING CONTOURS (MARCH 2018)
- PROPERTY BOUNDARY MARKERS/LIMITS
- FINAL CLOSURE CONTOURS
- CLOSURE CONTOURS OUTSIDE LIMITS OF CCR
- EXISTING OVERHEAD ELECTRIC LINES IN ASH POND 3 & 4 AREA TO REMAIN & TO BE PROTECTED
- GAS — EXISTING GAS LINE
- PERMIT BOUNDARY AP-2, AP-3/4
- FINAL LIMITS OF LINER
- FINAL LIMITS OF CCR

NOTES

1. THE EXISTING SITE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 03-18-2018. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 03-18-2018."
2. FINAL CLOSURE CONTOURS (PURPLE) DELINEATE FINAL LIMITS OF ASH.
3. CLOSURE CONTOURS OUTSIDE LIMITS OF CCR (GREEN) DELINEATE AREAS WHERE ANY EXISTING ASH IS TO BE COMPLETELY REMOVED.

REFERENCES

1. SOLAR LAYOUT INFORMATION ON THIS SHEET, SOURCED FROM SOUTHERN COMPANY DRAWING SK-0001 AND SK-0002

SYSTEM SUMMARY	
PROJECT LOCATION	ATLANTA, GA
LATITUDE, LONGITUDE	33.85, -84.45
GRID VOLTAGE	TO BE DETERMINED
DC VOLTAGE	TO BE DETERMINED
MODULE TYPE/WATTAGE	REC 315W
MODULE QTY.	8,424
MODULES PER STRING	18
STRING QTY.	468
INVERTER QTY.	39
MINIMUM DESIGN TEMP.	-10°C
INVERTER	SMA TRIPOWER 50KW
AC CAPACITY	2.00 MW (40°C, 1 PF)
DC CAPACITY	2.6535
DC/AC RATIO	1.3267
ARRAY ORIENTATION - FIXED TILT	
PITCH (ROW SPACING)	23 FT
TILT	19°
AZIMUTH	0°

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:29:53 -04'00'

GEORGIA REGISTERED 3-26-2025 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER
GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
GEORGIA POWER COMPANY

Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
POST CLOSURE SOLAR DEVELOPMENT - OPTION 1
GENERAL ARRANGEMENT 2.00 MWAC / 2.65 MWDC

CONSULTANT
wsp

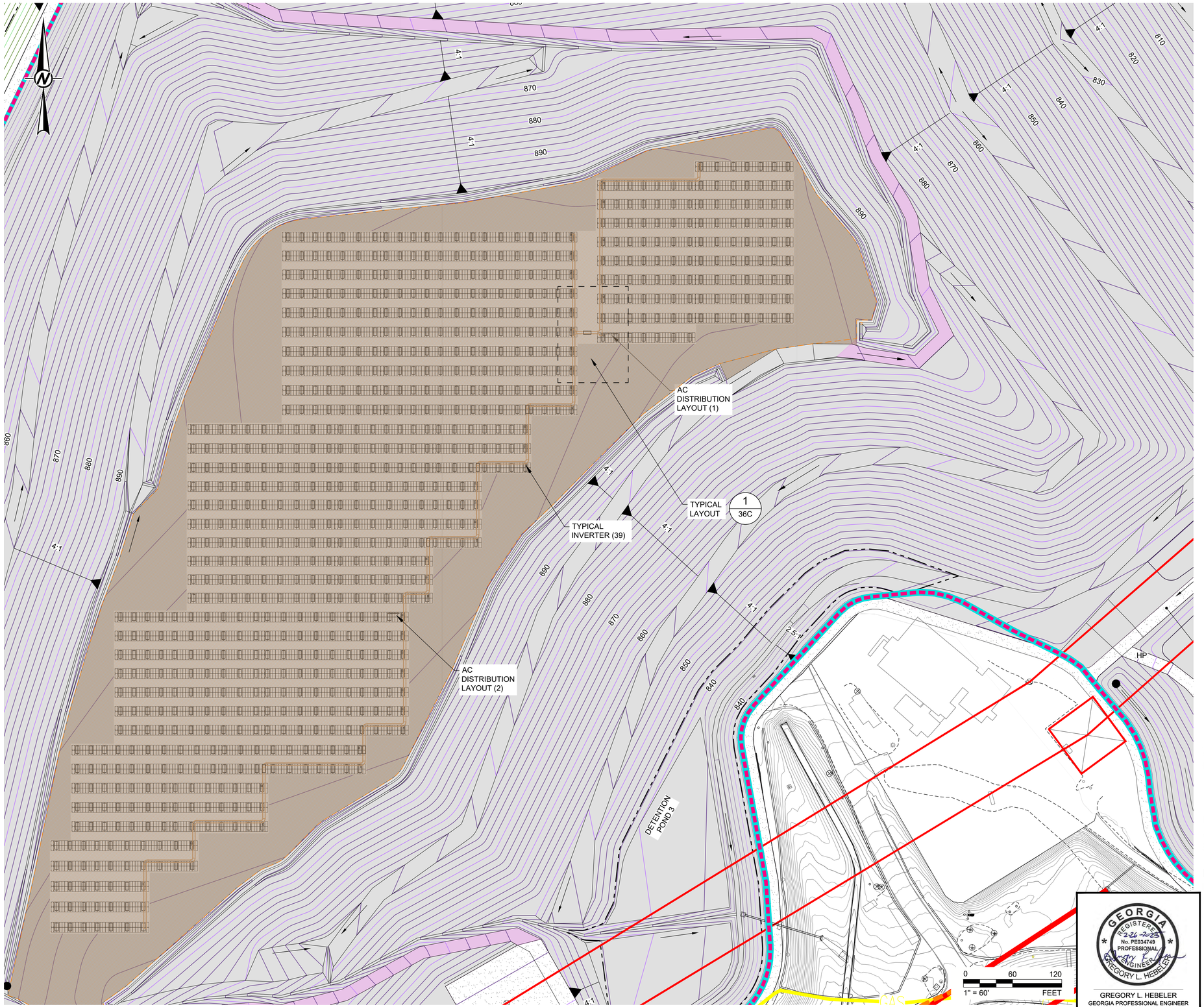
YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	AVR
CHECKED	LS
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 36A

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

0 1 in

Path: \\corp.pbwan.net\US\Central\Data\USATL700\Cadd\Southern Company\1777449 Plant McDonough Permitting\Solar Permitting\Production\ | File Name: 1777449 36A-36B FUTURE SITE DEVELOPMENT PLAN.dwg



LEGEND

- EXISTING CONTOURS (MARCH 2018)
- PROPERTY BOUNDARY MARKERS/LIMITS
- FINAL CLOSURE CONTOURS
- CLOSURE CONTOURS OUTSIDE LIMITS OF CCR
- EXISTING OVERHEAD ELECTRIC LINES IN ASH POND 3 & 4 AREA TO REMAIN & TO BE PROTECTED
- EXISTING GAS LINE
- PERMIT BOUNDARY AP-2, AP-3/4
- FINAL LIMITS OF LINER
- FINAL LIMITS OF CCR

NOTES

1. THE EXISTING SITE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 03-18-2018. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 03-18-2018."
2. FINAL CLOSURE CONTOURS (PURPLE) DELINEATE FINAL LIMITS OF ASH.
3. CLOSURE CONTOURS OUTSIDE LIMITS OF CCR (GREEN) DELINEATE AREAS WHERE ANY EXISTING ASH IS TO BE COMPLETELY REMOVED.

REFERENCES

1. SOLAR LAYOUT INFORMATION ON THIS SHEET, SOURCED FROM SOUTHERN COMPANY DRAWING SK-0001 AND SK-0002 AND PRESENTED IN POST-CLOSURE SOLAR DEVELOPMENT EVALUATION, PART B SECTION 5 OF PLANT MCDONOUGH CCR UNIT AP-2, AP-3/4 PERMIT.

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:39:53 -04'00'

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

GEORGIA REGISTERED 3-26-2025 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
GEORGIA POWER COMPANY

Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
POST CLOSURE SOLAR DEVELOPMENT - OPTION 1
BALLASTED ANCHOR SYSTEM
GENERAL ARRANGEMENT AND CABLE TRAY LAYOUT

CONSULTANT
wsp

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	AVR
CHECKED	LS
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 36B

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

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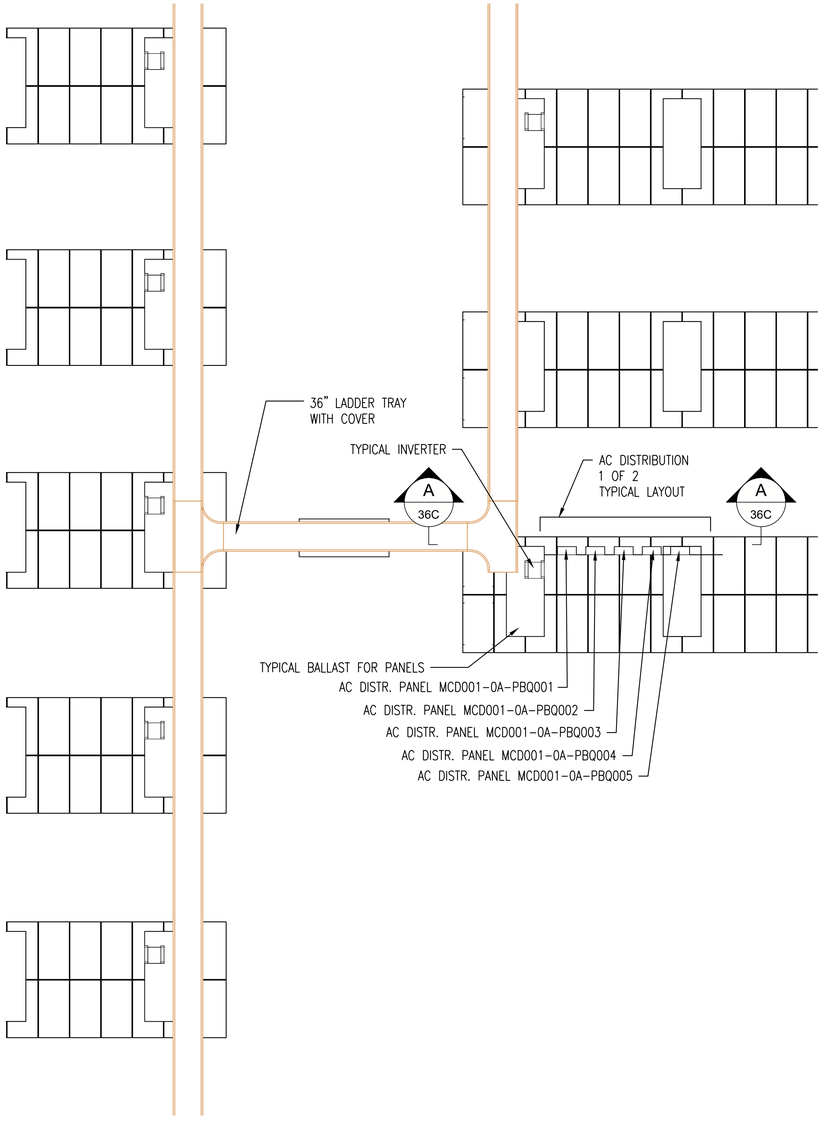
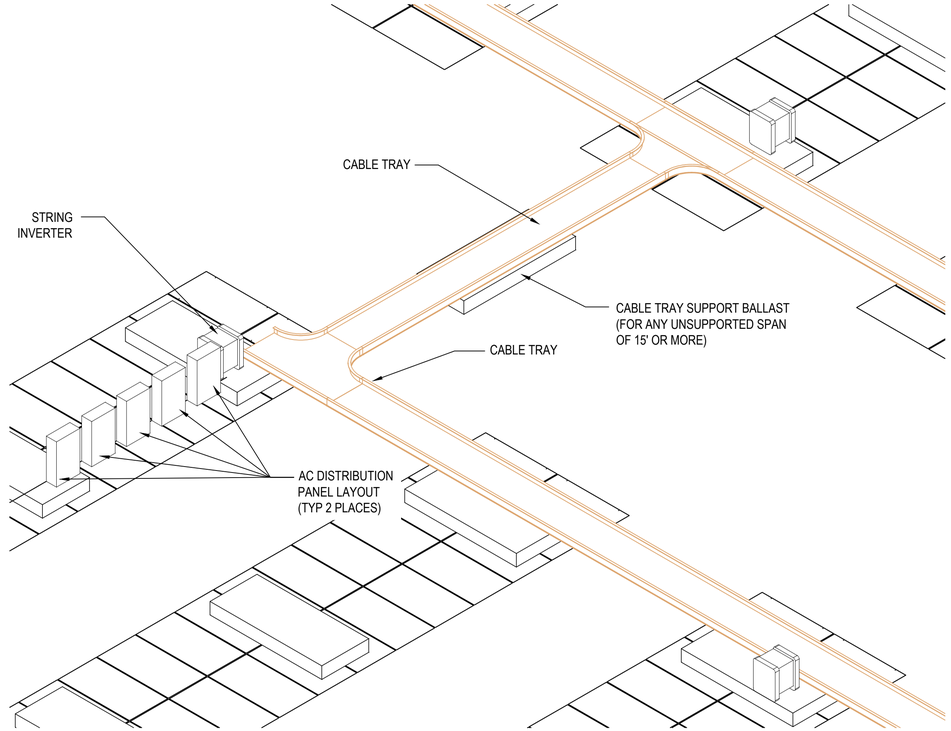
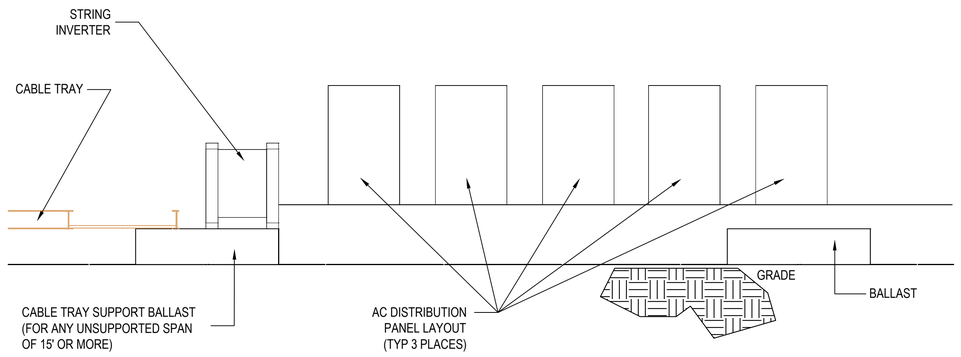


N.T.S. 1 36C TYPICAL AC DISTRIBUTION LAYOUT



N.T.S. 2 36C ISO OF TYPICAL AC DISTRIBUTION LAYOUT (TYPICAL 2 PLACES ON SITE)



N.T.S. A 36C SECTION A

REFERENCES

1. SOLAR LAYOUT INFORMATION ON THIS SHEET, SOURCED FROM SOUTHERN COMPANY DRAWING SK-0001 AND SK-0002 AND PRESENTED IN POST-CLOSURE SOLAR DEVELOPMENT EVALUATION, PART B SECTION 5 OF PLANT MCDONOUGH CCR UNIT AP-2, AP-3/4 PERMIT.

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:29:53 -04'00'

GEORGIA REGISTERED 3-26-2025 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

CLIENT
GEORGIA POWER COMPANY

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
POST CLOSURE SOLAR DEVELOPMENT - OPTION 1
BALLASTED ANCHOR SYSTEM
SECTIONS AND DETAILS - SHEET 1

CONSULTANT

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	AVR
CHECKED	LS
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 36C

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

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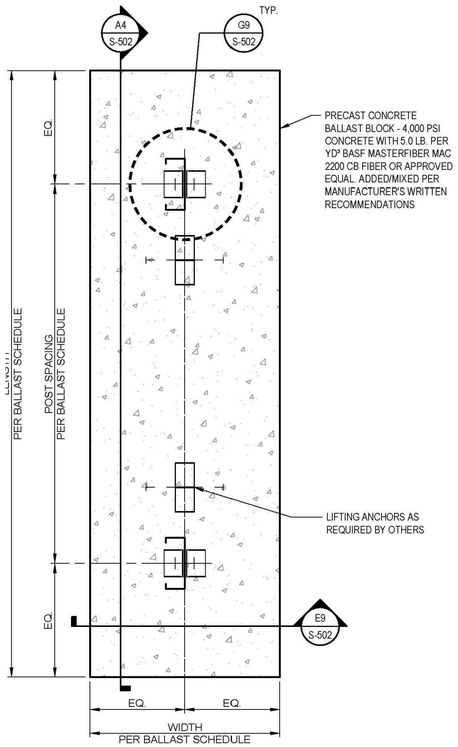
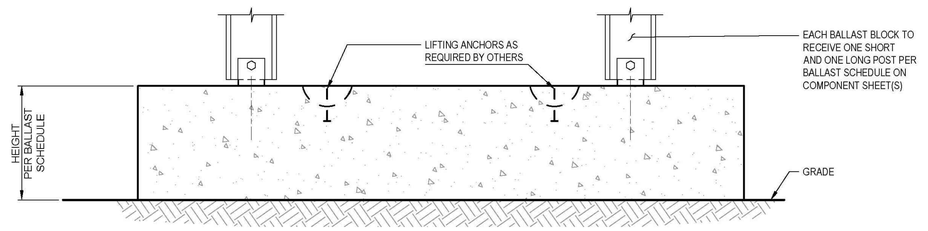
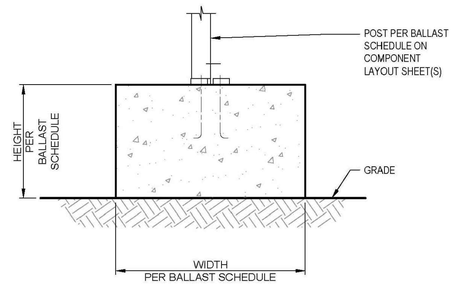


1 36D BALLAST BLOCK PLAN
NTS



2 36D BALLAST BLOCK SECTION
NTS



3 36D BALLAST BLOCK SECTION
NTS

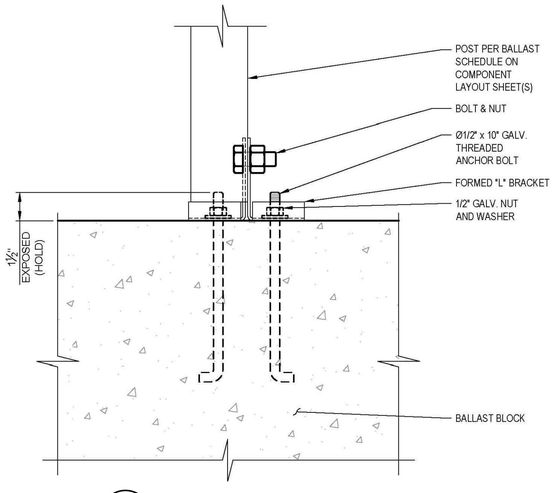
BALLAST BLOCK BASE PLATE DETAIL

TYPE	QUANTITY	LENGTH	WIDTH	HEIGHT	POST SPACING	WEIGHT (≈ LBS.)
A	18	9'-6"	3'-9"	1'-0"	7'-7 1/16"	5344
B	236	9'-6"	3'-7"	1'-0"	7'-7 1/16"	5106
C	548	9'-6"	3'-1"	1'-0"	7'-7 1/16"	4394

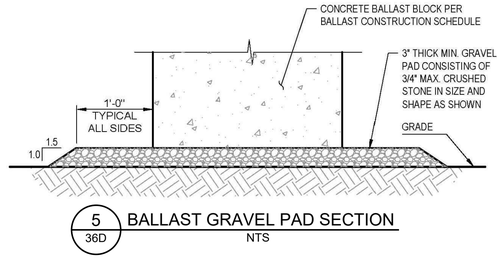
BALLAST BLOCK BASE PLATE DETAIL

PERCENT SLOPE	ADDITIONAL GRAVEL FOR SETTING BALLAST
SLOPE <= 5%	NONE REQUIRED
5% < SLOPE <= 10%	AS REQUIRED TO LEVEL UNDULATING SLOPES
SLOPE > 10%	LEVELING PAD REQUIRED

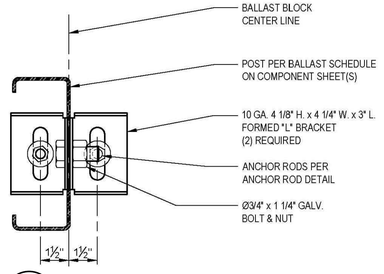
NOTE:
GRAVEL PAD AS NEEDED WHERE BALLAST LEVELING IS REQUIRED DUE TO SLOPE OF GRADE - SEE SECTION C6/S-502. APPROVED COMPACTION METHODS INCLUDE 1 TO 2 PASSES WITH THE BACK OF AN EXCAVATOR BUCKET, A VIBRATING COMPACTOR PLATE, OR A WHACKER PLATE COMPACTOR



4 36D BALLAST BLOCK ANCHOR ROD DETAIL
NTS



5 36D BALLAST GRAVEL PAD SECTION
NTS



6 36D BALLAST BLOCK BASE PLATE DETAIL
NTS

NOTE

1. DETAILS FOR THE BALLASTED ANCHOR SYSTEM DESIGNED BY RBI SOLAR AND PROVIDED TO GEORGIA POWER COMPANY AND GOLDER AS DRAWING S-502, DATED 08/29/18.

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:39:52 -04'00'

GEORGIA REGISTERED 3-26-2025 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
GEORGIA POWER COMPANY

Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
POST CLOSURE SOLAR DEVELOPMENT - OPTION 1
BALLASTED ANCHOR SYSTEM
SECTIONS AND DETAILS - SHEET 2

CONSULTANT
wsp

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	RMS
CHECKED	LS
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 36D

0 1 in
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

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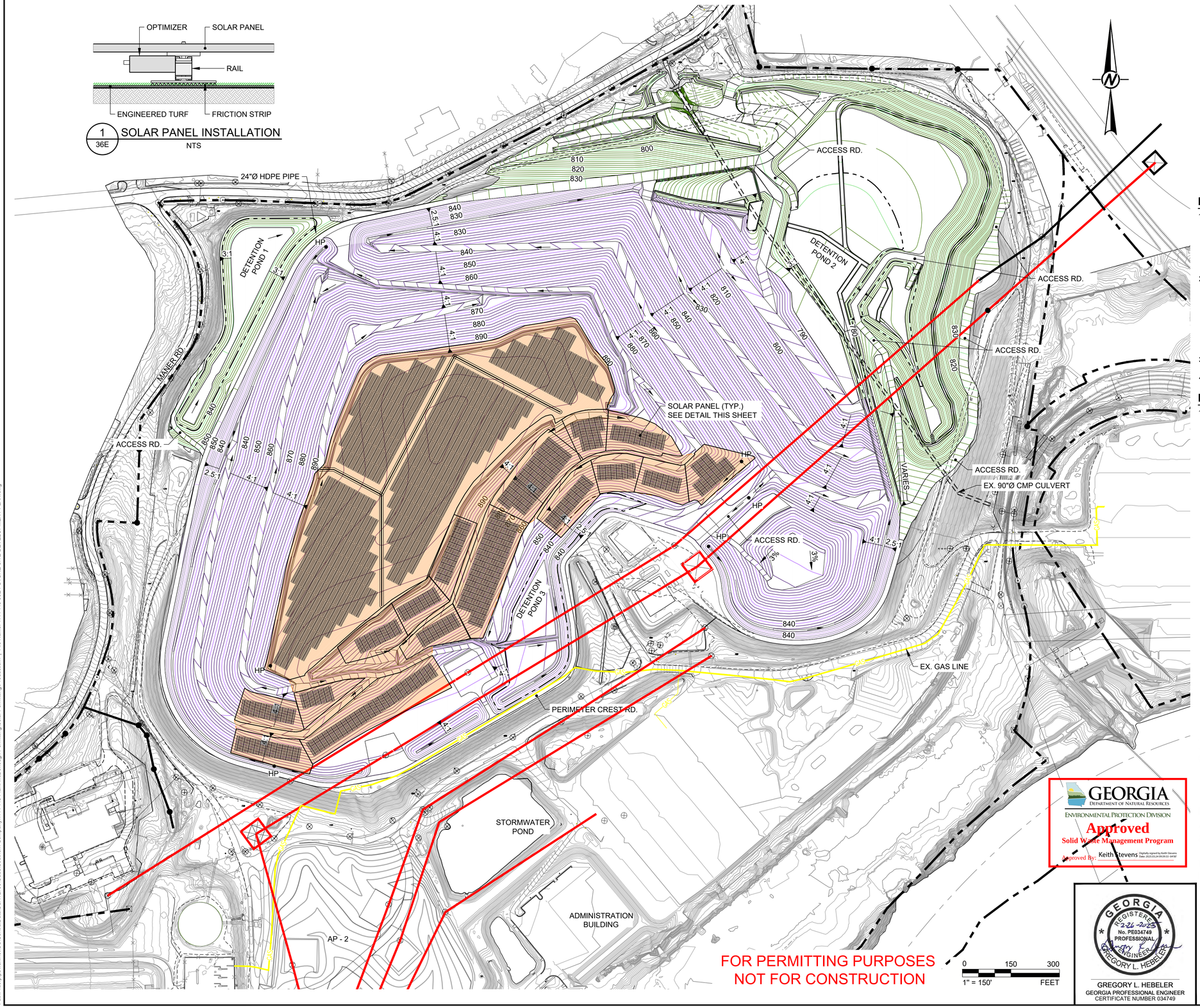
1 / 36E SOLAR PANEL INSTALLATION

NTS



LEGEND

- EXISTING CONTOURS (MARCH 2018)
- PROPERTY BOUNDARY MARKERS/LIMITS
- FINAL CLOSURE CONTOURS
- CLOSURE CONTOURS OUTSIDE LIMITS OF CCR
- EXISTING OVERHEAD ELECTRIC LINES IN ASH POND 3 & 4 AREA TO REMAIN & TO BE PROTECTED
- GAS — EXISTING GAS LINE
- PERMIT BOUNDARY AP-2, AP-3/4
- FINAL LIMITS OF LINER
- FINAL LIMITS OF CCR

NOTES

1. THE EXISTING SITE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 03-18-2018. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 03-18-2018."
2. PLANT OPERATIONS AND MAINTENANCE WILL OCCUR WITHIN THE PERMIT BOUNDARY BUT OUTSIDE THE LIMITS OF THE CCR CONSOLIDATION AREA (E.G. OUTSIDE THE FINAL CCR BOUNDARY AND FINAL COVER SYSTEM). ACTIVITIES NOT DIRECTLY AFFECTING THE CCR CONSOLIDATION OR FINAL COVER SYSTEM, SUCH AS THOSE NEEDED TO CONSTRUCT, MAINTAIN, REPLACE OR REPAIR SYSTEMS FOR ELECTRIC POWER GENERATION OR ITS DELIVERY (SUCH AS SUBSURFACE PIPING, ELECTRICAL APPURTENANCES, TRANSMISSION STRUCTURES, ETC.) MAY BE CONDUCTED AT THE PERMITTEE'S DISCRETION.
3. FINAL CLOSURE CONTOURS (PURPLE) DELINEATE FINAL LIMITS OF CCR.
4. CLOSURE CONTOURS OUTSIDE LIMITS OF CCR (GREEN) DELINEATE AREAS WHERE ANY EXISTING ASH IS TO BE EXCAVATED.

REFERENCES

1. SOLAR LAYOUT INFORMATION ON THIS SHEET, SOURCED FROM SOUTHERN COMPANY DRAWING SK-0001 AND SK-0002 AND PRESENTED IN POST-CLOSURE SOLAR DEVELOPMENT EVALUATION, PART B SECTION 5 OF PLANT MCDONOUGH CCR UNIT AP-2, AP-3/4 PERMIT.

PROPOSAL SPECIFICATIONS	
SYSTEM SIZE DC (kW)	7,756
SYSTEM SIZE AC (kW)	6,255
DC TO AC RATIO	1.24
MODULE INFORMATION	(16,159) Q CELLS, Q PEAK DUO XL-G10.3/BFG 480W
STRING INFORMATION	(700) PARALLELED STRINGS (10 AWG-COPPER)
INVERTER INFORMATION	(50) CPS SCH125KTL-DO/US-600
PANELS PER STRING	20-25
INTERCONNECTION VOLTAGE	MEDIUM VOLTAGE (12.47 kV)
RACKING DETAILS	POWERCAP FLUSH-MOUNT
SITE COORDINATES	33.818, -84.481
GROUND SNOW LOAD (PSF)	0

ARRAY INFORMATION

ARRAY NO.	AZIMUTH (SOUTH=180°)	TILT ANGLE	NO. OF MODULES	ROW SPACING	SETBACK	kW DC
ARY-1: TOP DECK	208°	0°	10,530	2 FT	20 FT	5,054.4
ARY-2: EAST SLOPE 1	139°	13.5°	312	2 FT	20 FT	149.8
ARY-3: EAST SLOPE 2	194°	13.5°	182	2 FT	20 FT	87.4
ARY-4: EAST SLOPE 3	177°	13.5°	182	2 FT	20 FT	87.4
ARY-5: EAST SLOPE 4	130°	13.5°	286	2 FT	20 FT	137.3
ARY-6: EAST SLOPE 5	192°	13.5°	260	2 FT	20 FT	124.8
ARY-7: EAST SLOPE 6	166°	13.5°	260	2 FT	20 FT	124.8
ARY-8: EAST SLOPE 7	129°	13.5°	754	2 FT	20 FT	361.9
ARY-9: EAST SLOPE 8	110°	13.5°	1,014	2 FT	20 FT	486.7
ARY-10: EAST SLOPE 9	111°	13.5°	312	2 FT	20 FT	149.8
ARY-11: SE SLOPE 1	153°	13.5°	221	2 FT	20 FT	106.1
ARY-12: SE SLOPE 2	150°	13.5°	208	2 FT	20 FT	99.8
ARY-12: SE SLOPE 3	150°	13.5°	208	2 FT	20 FT	99.8
ARY-12: SOUTH SLOPE 1	147°	13.5°	703	2 FT	20 FT	337.0
ARY-12: SOUTH SLOPE 2	191°	13.5°	312	2 FT	20 FT	149.8
ARY-12: SOUTH SLOPE 3	165°	13.5°	156	2 FT	20 FT	74.9
ARY-12: SOUTH SLOPE 4	191°	13.5°	260	2 FT	20 FT	124.8
TOTAL	N/A	N/A	16,159	N/A	N/A	7,756.5

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

0 150 300
1" = 150' FEET

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:29:33 -04'00'

GEORGIA REGISTERED 3-26-2025 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
GEORGIA POWER COMPANY

Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
POST CLOSURE SOLAR DEVELOPMENT - OPTION 2
NON-PENETRATING POLYETHYLENE FRICTION STRIPS & RAIL SYSTEM
GENERAL ARRANGEMENT SOLARCAP 6.25 MW AC-PV PROJECT

CONSULTANT

wsp

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	RMS
CHECKED	LS
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 36E

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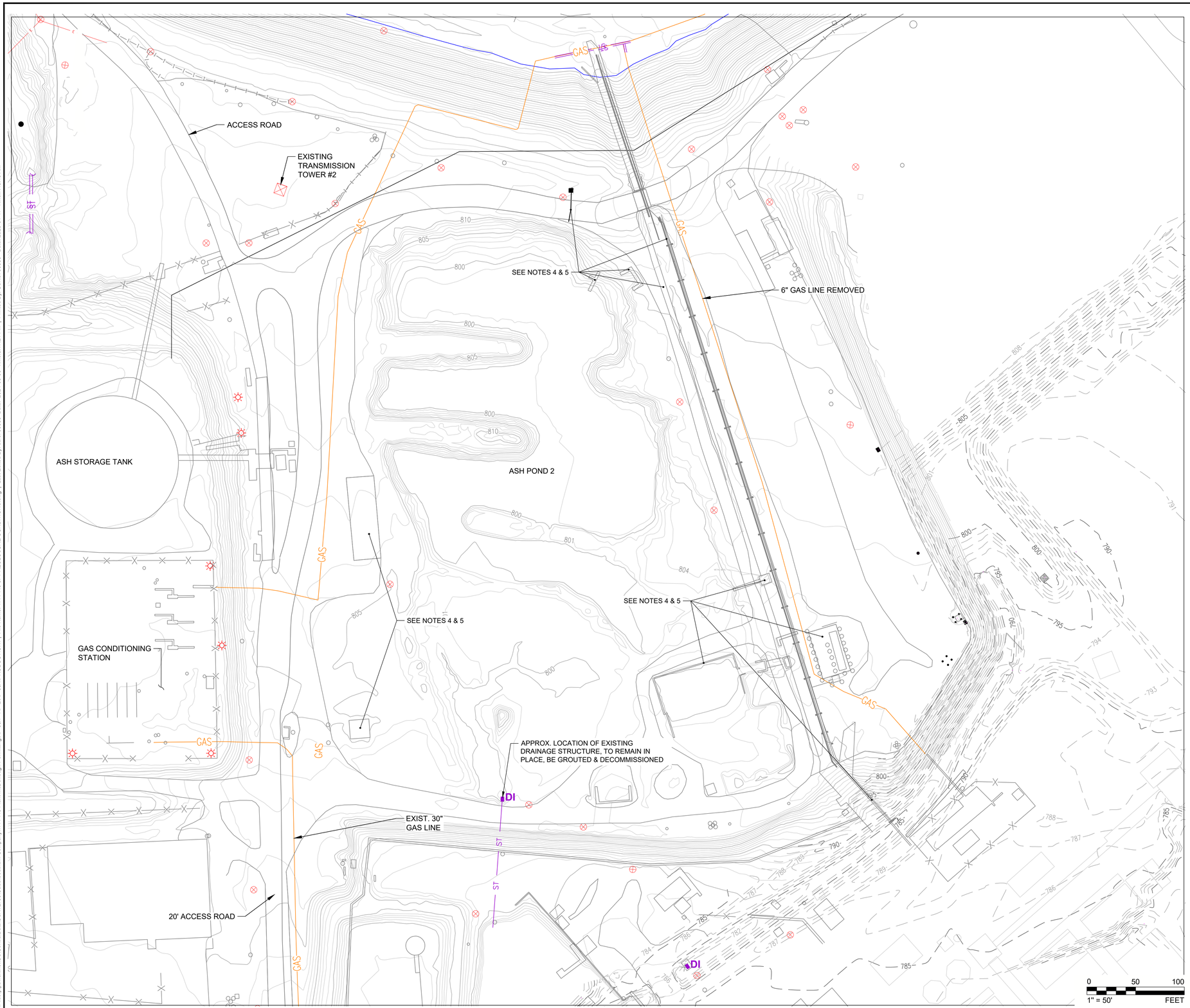

LEGEND

- PROPERTY LINE
- PERMIT BOUNDARY AP2, AP-3/4
- APPROXIMATE PRE-CLOSURE CCR LIMITS (SEE NOTE 6)
- 25' STREAM BUFFER
- FLOODPLAIN (APPROXIMATE) (100 YR)
- PRE-CLOSURE CONTOURS
- EXISTING FENCE LINE
- EXISTING LIGHT POLE
- EXISTING GAS LINE
- EXISTING ELECTRICAL
- EXISTING TRANSMISSION STRUCTURE

NOTES

1. COORDINATE SYSTEM IS GEORGIA STATE PLANE NAD 83 (1994), WEST ZONE.

2. EXISTING CONTOURS SHOWN ON THIS PLAN ARE AT 1' INTERVALS.

3. SEE SHEET 1 FOR DRAWING INDEX.

4. ALL MISCELLANEOUS EXISTING STRUCTURES REMOVED BY OTHERS.

5. PIPES TO BE ABANDONED VIA A COMBINATION OF REMOVAL AND GROUTING OF REMAINING PORTIONS.

6. CCR DELINEATION IS ONGOING THROUGHOUT CONSTRUCTION AND WILL CONTINUE UNTIL THE COMPLETION OF CLOSURE CERTIFICATION. ALL CCR WITHIN THE CLOSURE PERMIT BOUNDARY TO BE EITHER EXCAVATED OR PLACED WITHIN THE FINAL COVER LIMITS.

REFERENCES

1. THE PRE-CLOSURE SITE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 10-16-2012. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 10-26-12. PROJECT NO. 13225 - 01-13-2013."

2. REVISED PRE-CLOSURE TOPOGRAPHY & CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA POWER LAND DEPARTMENT. THE DATA SHOWN IS AN UPDATE TO THE PLANS DONE ON 10-16-2012 & THE ONSITE CHANGES SINCE THAT 2012 SURVEY. THE REVISED SURVEY WAS DONE ON 1-12-2016 & MERGED WITH THE DATA ON 10-16-2012. GEORGIA POWER COMPANY PLANT MCDONOUGH ASH PONDS - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF SURVEY 1-12-2016.

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:39:51 -04'00'

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

GEORGIA REGISTERED PROFESSIONAL ENGINEER
No. PE034749
2-26-2025
GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
GEORGIA POWER COMPANY

Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
PRE-CLOSURE CONDITIONS - AP-2

CONSULTANT
wsp

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	RMS
CHECKED	LS
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449
REV. 0
SHEET 37

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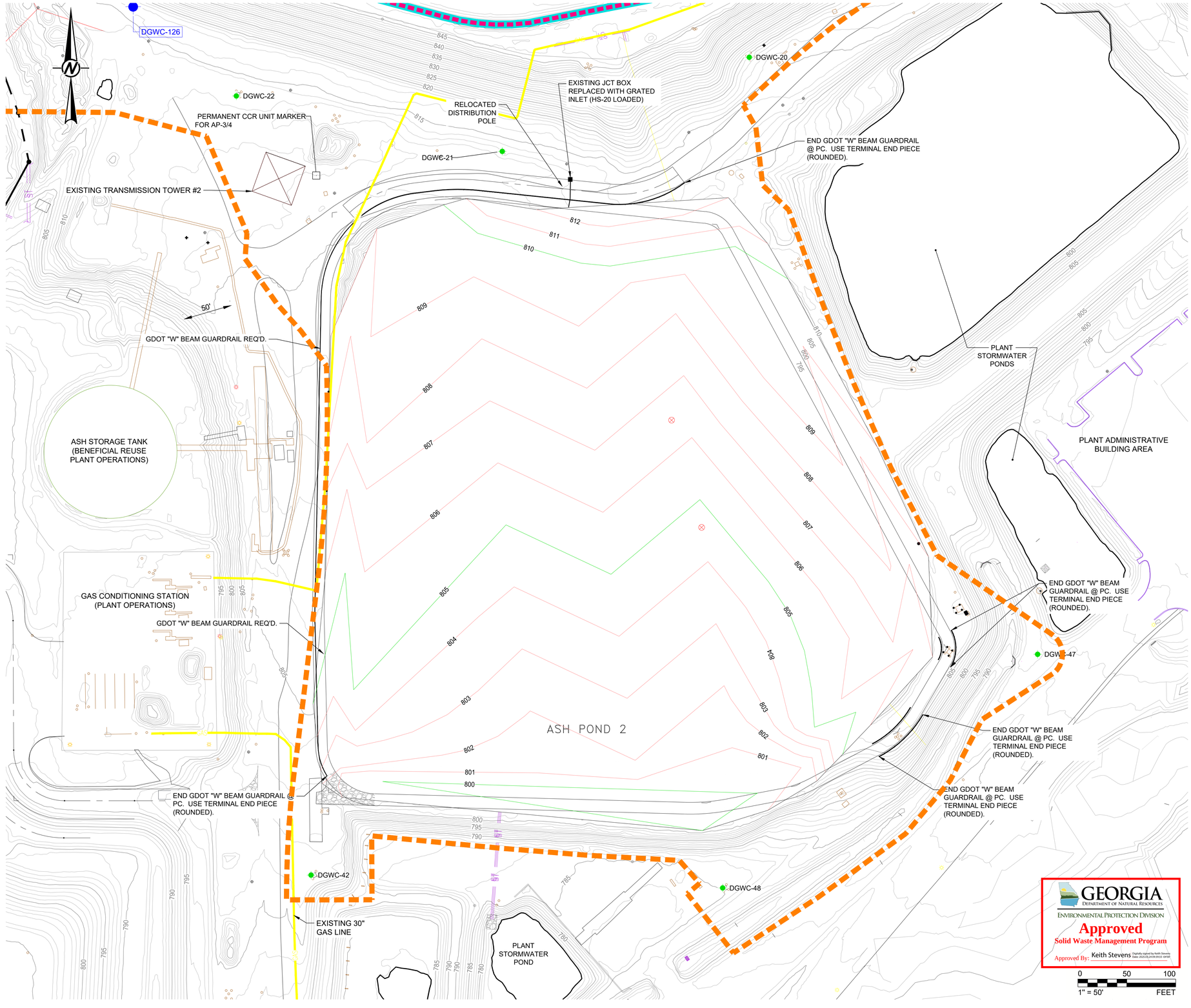

LEGEND

- PROPERTY LINE
- PROPOSED PERMIT BOUNDARY AP2, AP-3/4
- EXISTING CONTOURS (MARCH 2018)
- FINAL CLOSURE CONTOURS
- EXISTING FENCE LINE
- EXISTING LIGHT POLE
- EXISTING SANITARY SEWER
- EXISTING GAS LINE
- EXISTING STORM LINE
- EXISTING ELECTRICAL
- EXISTING TRANSMISSION STRUCTURE
- FINAL LIMITS OF LINER
- FINAL LIMITS OF CCR
- DGWC-XX — AP-2, 3/4 DETECTION MONITORING WELL (SEE REFERENCE 3)
- DGWC-XXX — PROPOSED DETECTION MONITORING WELL

NOTES

1. PLANT OPERATIONS AND MAINTENANCE WILL OCCUR WITHIN THE PERMIT BOUNDARY BUT OUTSIDE THE LIMITS OF THE CCR CONSOLIDATION AREA (E.G. OUTSIDE THE FINAL CCR BOUNDARY AND FINAL COVER SYSTEM). ACTIVITIES NOT DIRECTLY AFFECTING THE CCR CONSOLIDATION OR FINAL COVER SYSTEM, SUCH AS THOSE NEEDED TO CONSTRUCT, MAINTAIN, REPLACE OR REPAIR SYSTEMS FOR ELECTRIC POWER GENERATION OR ITS DELIVERY (SUCH AS SUBSURFACE PIPING, ELECTRICAL APPURTENANCES, TRANSMISSION STRUCTURES, ETC.) MAY BE CONDUCTED AT THE PERMITTEE'S DISCRETION.
2. PERMANENT MARKER FOR AP-2 WAS INSTALLED IN SEPTEMBER 2021.
3. GRADES SHOWN WITHIN LIMITS OF AP-2 ARE DESIGN GRADES FOLLOWING CCR REMOVAL. THESE DESIGN GRADES MAY VARY FROM EXISTING CONDITIONS.

REFERENCES

1. THE EXISTING SITE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 03-18-2018. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 03-18-2018."

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

GEORGIA REGISTERED No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER 2-26-2025

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.02.24 09:53:10 -05'00'

0 50 100
1" = 50' FEET

CLIENT
GEORGIA POWER COMPANY

Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
POST-EXCAVATION CONDITIONS - AP-2 CLOSURE

CONSULTANT
wsp

YYYY-MM-DD	2025-FEB
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 38

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Path: \\corp.pbwan.net\US\CentralData\USATL700\Cadd\Southern Company\1777449 Plant McDonough Permitting\AP-3&4 - AP-2\AP-3&4\PRODUCTION\ | File Name: 1777449 38 POST-EXCAVATION CONDITIONS - AP-2 CLOSURE.dwg | Last Edited By: uscp7101396 Date: 2025-02-27 Time:10:09:47 AM | Printed By: USCP7101396 Date: 2025-02-27 Time:10:15:33 AM

REPLACE EXISTING ROADWAY IN KIND IF NEEDED. REFER TO THE HEAVY DUTY ASPHALT TYPICAL SECTION FOR BUILDUP DETAILS AND SPECS IF THE AREA DISTURBED IS AN EXISTING PAVED AREA. IF THE AREA IS NOT PAVED IT SHALL RECEIVE 8" OF GRADED AGGREGATE BASE.

EXISTING CORRUGATED PLASTIC PIPE TO BE GROUTED AND ABANDONED IN PLACE

TRANSMISSION STRUCTURES (SEE NOTE NO. 4)

REPLACE EXISTING ROADWAY IN KIND IF NEEDED. REFER TO THE HEAVY DUTY ASPHALT TYPICAL SECTION FOR BUILDUP DETAILS AND SPECS IF THE AREA DISTURBED IS AN EXISTING PAVED AREA. IF THE AREA IS NOT PAVED IT SHALL RECEIVE 8" OF GRADED AGGREGATE BASE.

MATCH ROAD GRADE TO PROPOSED GRADING. ROAD TO RECEIVE 8" OF G.A.B. PER GDOT SPEC. 815, CL. A, GRP I.

APPROX. PRE-CLOSURE CCR LIMITS - 7.16 ACRES

SILT FENCE (TYP.)

TRANSMISSION STRUCTURES (SEE NOTE NO. 3)

GRADE FROM CENTERLINE OF SWELL UP AT 5.0% SLOPE TO 1' OF DEPTH

SINGLE ROW COMPOST FILTER SOCK

SILT FENCE (TYP.)

EXISTING DRAINAGE STRUCTURE AND PIPE TO BE GROUTED CLOSED AND ABANDONED.

HEADWALL
Q_{25}= 48.4 cfs
V_{25}= 9.94 ft/sec

TYPE 3 RIPRAP

OF 2' TALL X 2' WIDE BERM W/ 3:1 SIDE SLOPES

4' FLAT BOTTOM OUTLET CHANNEL TO BE LINED WITH VMAX SC250 TURF REINFORCEMENT MAT OR APPROVED EQUAL TO A MINIMUM DEPTH OF 2'

SILT FENCE (TYP.)

LEGEND

- EXISTING CONTOURS
- PROPERTY BOUNDARY MARKERS/LIMITS
- EXISTING STREAM DIVERSION CULVERT UNDER EMBANKMENTS
- EXISTING STREAM DIVERSION CULVERT-CONCRETE ENCASED SECTION
- EXISTING OVERHEAD ELECTRIC LINES IN CCR POND 3 & 4 AREA TO REMAIN & TO BE PROTECTED
- EXISTING GAS LINE
- PROPOSED PERMIT BOUNDARY AP-2, AP-3/4
- FINAL GRADE CONTOURS
- FINAL LIMITS OF LINER
- LIMITS OF FINAL CCR

EROSION CONTROL LEGEND

- Sd1-S — SILT FENCE SENSITIVE
- Sd1-CFS — COMPOSITE FILTER SOCK
- Co — CONSTRUCTION EXIT
- Tp — TOPSOILING
- Ds1 — DISTURBED AREA STABILIZATION (WITH MULCH ONLY)
- Ds2 — DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
- Ds3 — DISTURBED AREA (PERMANENT VEGETATION)
- Du — DUST CONTROL
- Tac — TACKIFIER
- Ch-2 — CHANNEL STABILIZATION
- St — STORM DRAIN OUTLET PROTECTION

NOTES

1. FIELD LOCATE ALL STORMWATER INLETS AND PROVIDE INLET PROTECTION (COMPOSITE FILTER SOCK RING INLET PROTECTION OR OTHER SEDIMENT TRAP) IF NOT SPECIFICALLY SHOWN ON THE DRAWING. IF PROVIDING AN ALTERNATIVE SEDIMENT TRAP, SUBMIT THE ALTERNATIVE TO THE ENGINEER AND PCM FOR APPROVAL PRIOR TO INSTALLATION.
2. USE SILT BAGS FOR DEWATERING OF EXCAVATED AREAS. THE SILT BAG SHALL BE PLACED ON 6" OF #57 STONE IN AN AREA THAT WILL DRAIN AWAY FROM THE WORK AREA. REPLACE BAG WHEN 3/4 FULL OF SEDIMENT. SUBMIT SILT BAG MANUFACTURER TO PCM FOR APPROVAL PRIOR TO PLACEMENT AND USE.
3. CONSULT WITH PURCHASER AS TO THE EXACT LIMITS OF PAVEMENT REMOVAL. CONTRACTOR TO MINIMIZE, TO THE EXTENT PRACTICAL, SOIL DISRUPTION WHEN REMOVING PAVEMENT AND PAVEMENT BASE COURSE, IF ANY.
4. CONSULT WITH PURCHASER AND GEORGIA POWER TRANSMISSION PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES AND MAINTAIN ALL OPERATIONAL CLEARANCES AND SAFETY GUIDELINES AROUND TRANSMISSION STRUCTURES.
5. THE DISPLAYED FUTURE DEVELOPMENT GRADES WITHIN CCR UNIT AP-2 REPRESENT THE INTENDED DESIGN GRADES FOR AP-2 BUT MAY VARY TO MEET THE FINAL CUT / FILL BALANCE OF ON-SITE SOURCES. A FINAL AS-BUILT DRAWING WILL BE PROVIDED TO GEORGIA EPD FOR REVIEW IN THE CONSTRUCTION CERTIFICATION REPORT.
6. CCR DELINEATION IS ONGOING THROUGHOUT CONSTRUCTION AND WILL CONTINUE UNTIL THE COMPLETION OF CLOSURE CERTIFICATION. ALL CCR WITHIN THE CLOSURE PERMIT BOUNDARY TO BE EITHER EXCAVATED OR PLACED WITHIN THE FINAL COVER LIMITS.

REFERENCES

1. THE EXISTING SITE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 03-18-2018. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 03-18-2018."

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:39:53 -04'00'

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

CLIENT
GEORGIA POWER COMPANY

Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
POTENTIAL FUTURE DEVELOPMENT PLAN

GEORGIA REGISTERED 2-26-2025 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

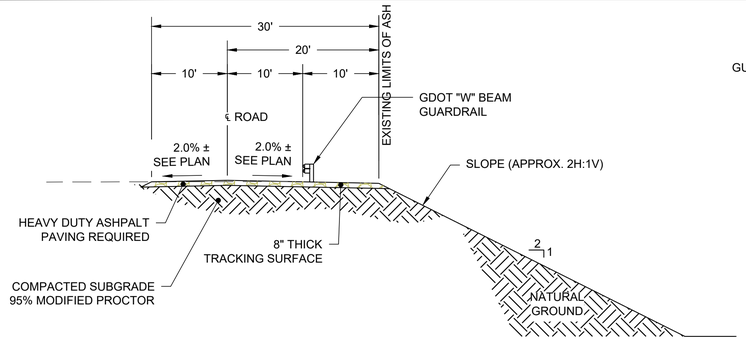
CONSULTANT
wsp

YYYY-MMM	2025-FEB
DESIGNED	JWM / GLH
PREPARED	RMS
CHECKED	LS
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 39

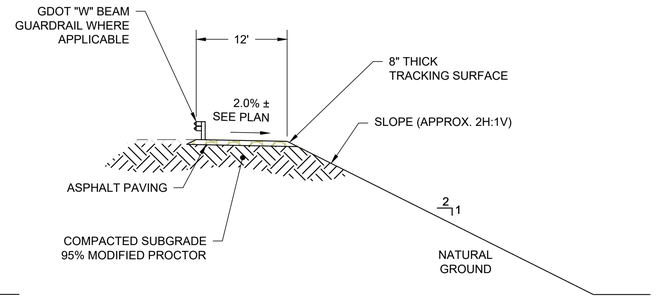
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

Path: \\corp.pbwan.net\US\Central\Data\USATL70\Cadd\Southern Company\1777449 Plant McDonough Permitting\AP-3&4 - AP-2\AP-3&4\PRODUCTION | File Name: 1777449 39-40 POTENTIAL FUTURE DEVELOPMENT.dwg



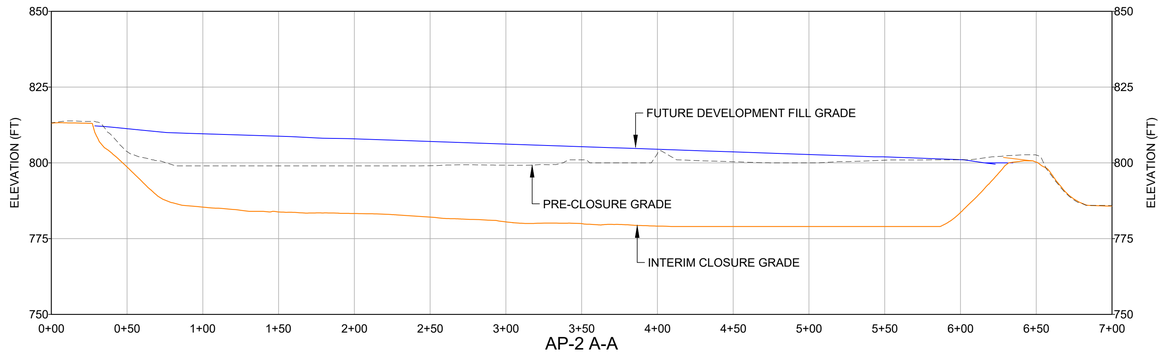
SECTION X-X AP- 2

N.T.S.

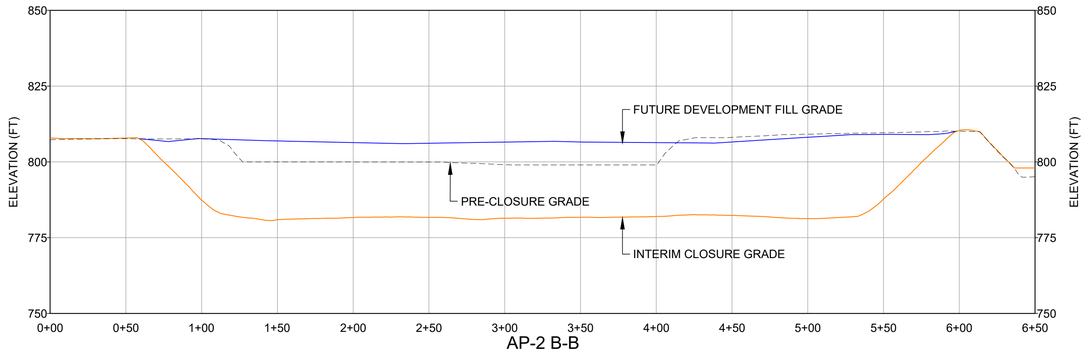


SECTION G-G AP-2

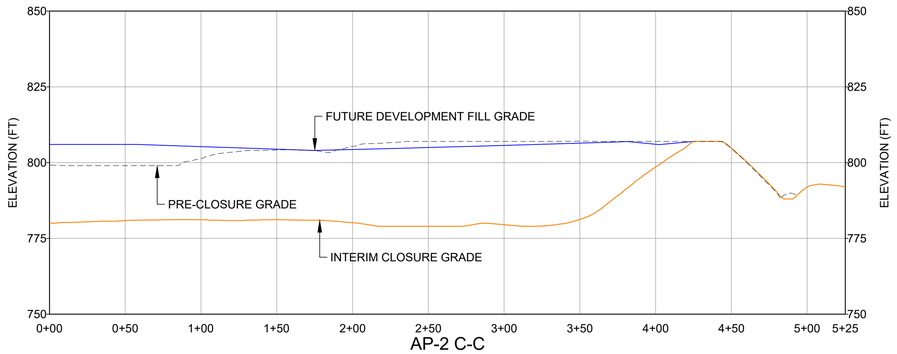
N.T.S.



AP-2 A-A



AP-2 B-B



AP-2 C-C

NOTE

1. THE DISPLAYED FUTURE DEVELOPMENT GRADES WITHIN CCR UNIT AP-2 REPRESENT THE INTENDED DESIGN GRADES FOR AP-2 BUT MAY VARY TO MEET THE FINAL CUT / FILL BALANCE OF ON-SITE SOURCES. A FINAL AS-BUILT DRAWING WILL BE PROVIDED TO GEORGIA EPD FOR REVIEW AND APPROVAL IN THE CONSTRUCTION CERTIFICATION REPORT.

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:09:31 -04'00'

GEORGIA REGISTERED 3-26-2025 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
GEORGIA POWER COMPANY

Georgia Power

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
AP-2 DETAILS AND SECTIONS

CONSULTANT
wsp

YYYY-MMM	2025-FEB
DESIGNED	JWM / GLH
PREPARED	RMS
CHECKED	LS
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 40

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

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LEGEND

- PRE-CLOSURE CONTOURS (MARCH 2018)
- PROPERTY BOUNDARY MARKERS/LIMITS
- EXISTING OVERHEAD ELECTRIC LINES IN CCR POND 2 & 3/4 AREA TO REMAIN & TO BE PROTECTED
- 900 — FINAL CLOSURE CONTOURS
- 800 — CLOSURE CONTOURS OUTSIDE LIMITS OF CCR
- PROPOSED PERMIT BOUNDARY AP-2, AP-3/4
- FINAL LIMITS OF LINER
- SWC-X — SURFACE WATER SAMPLE LOCATION
- DGWC-XX — AP-3/4 MONITORING WELL (SEE REFERENCE 2)
- B-XXX — ASSESSMENT WELLS (SEE REFERENCE 2 AND 3)
- DGWC-9A — PROPOSED DETECTION MONITORING WELL REPLACEMENT
- DGWC-XXX — PROPOSED DETECTION MONITORING WELL

REFERENCES

1. THE EXISTING SITE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 03-18-2018. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 03-18-2018."
2. PLANT MCDONOUGH-ATKINSON HYDROGEOLOGICAL ASSESSMENT REPORT (WSP, 2025).
3. SELECT BORING/PIEZOMETER LOCATIONS AND ELEVATIONS RESURVEYED BY METRO ENGINEERING & SURVEYING CO., INC., 2020-2025.

NOTES

1. ELEVATIONS SHOWN OUTSIDE OF CLOSURE LIMITS ARE BASED ON MARCH 2018 TOPOGRAPHY AND MAY NOT REPRESENT CURRENT CONDITIONS.

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

0 250 500
1" = 250' FEET

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Beverly Tipton
Digitally signed by Beverly Tipton
Date: 2025.03.24 15:16:29 -04'00'

GEORGIA REGISTERED 3-26-2025 No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
GEORGIA POWER COMPANY

PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
COMPLIANCE WELL MONITORING NETWORK

CONSULTANT
wsp

YYYY-MMM	2025-FEB
DESIGNED	GLH
PREPARED	CRP
CHECKED	DLP
REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 | REV. 0 | SHEET 41

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI D
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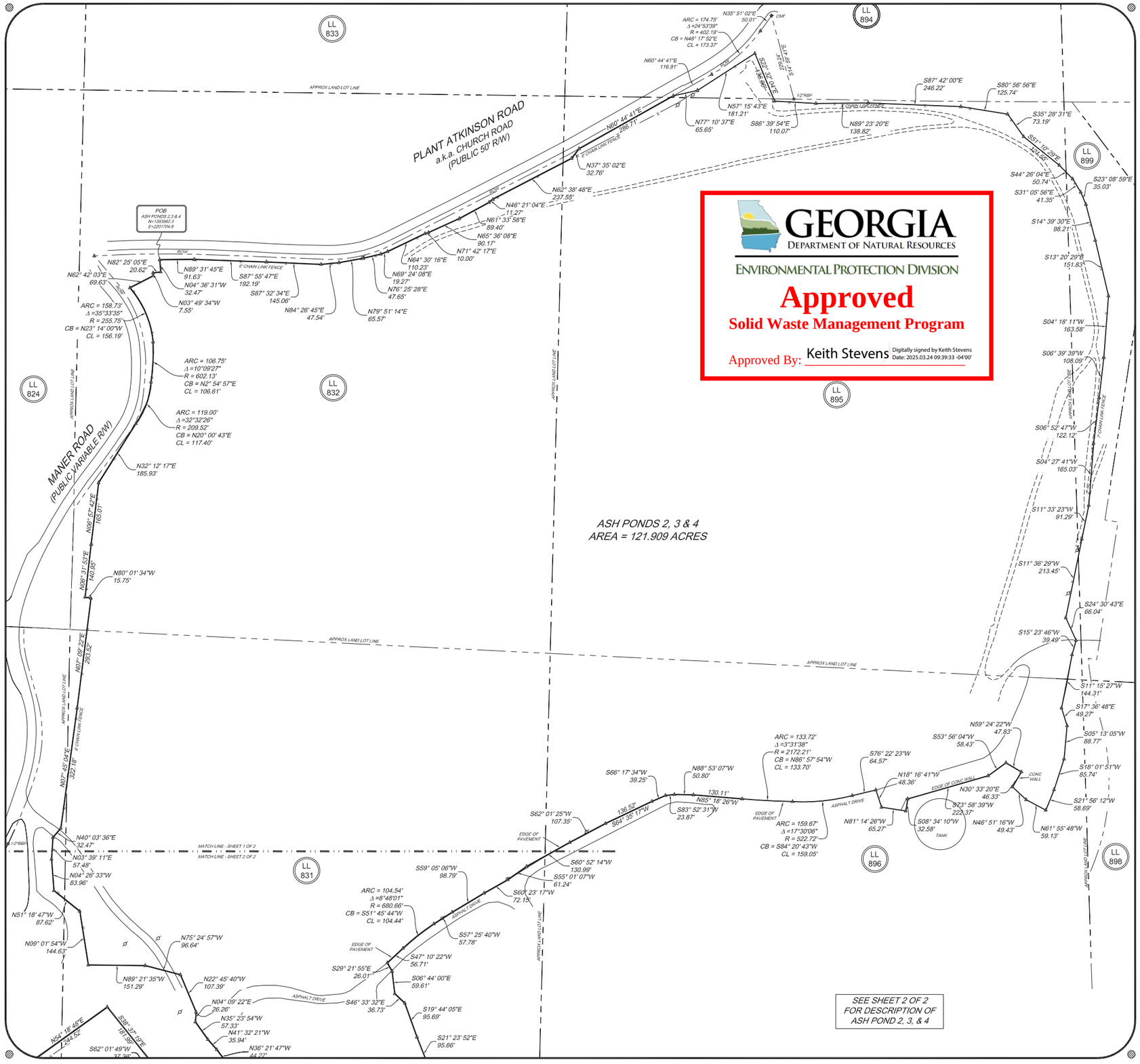


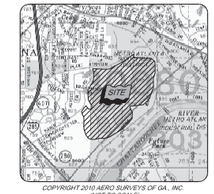
GEORGIA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

Approved

Solid Waste Management Program

Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:39:33 -04'00'

LOCATION MAP



COPYRIGHT 2010 AERO SURVEYS OF GA., INC.
(NOT TO SCALE)

SURVEYORS NOTES

CLOSURE STATEMENT

- THE FIELD DATA UPON WHICH THIS MAP OR PLAT IS BASED HAS A CLOSURE PRECISION OF 1 FOOT IN 28,426 FEET AND AN ANGULAR ERROR OF 1 SECONDS PER ANGLE POINT, AND WAS ADJUSTED USING THE LEAST SQUARE METHOD.
- THIS PLAT HAS BEEN CALCULATED FOR CLOSURE AND ITS ACCURACY IS 1 FOOT IN 169,237 FEET.

EQUIPMENT AND FIELD SURVEY STATEMENT

- LINEAR MEASUREMENTS AND ANGULAR MEASUREMENTS OBTAINED USING TOPAI 1105 PLUS.
- FIELD SURVEY COMPLETED ON 02-20-18.

HORIZONTAL & VERTICAL DATUM

- HORIZONTAL AND VERTICAL DATUM WAS ESTABLISHED USING RTK GPS METHODS WITH CORRECTIONS FROM THE eGPS NETWORK. HORIZONTAL DATUM IS GEORGIA STATE PLANE, WEST ZONE, NAD83 AND THE VERTICAL DATUM IS NAVD88.

UTILITIES

- OVERHEAD AND UNDERGROUND UTILITIES THAT ARE SHOWN HEREON ARE BASED UPON FIELD SURFACE OBSERVATIONS AND AVAILABLE INFORMATION ON HAND AT THE TIME OF THE SURVEY. ONLY UTILITIES THAT WERE VISIBLE AND ACCESSIBLE WERE MEASURED. SITE EXCAVATION WAS NOT PERFORMED IN ANY WAY TO MEASURE ANY SUBSURFACE UTILITY OR FEATURE OF ANY TYPE. NOTICE IS HEREBY GIVEN THAT "KNOW WHATS BELOW. CALL BEFORE YOU DIG." UTILITY LOCATION SERVICE (811) SHOULD BE NOTIFIED PRIOR TO ANY EXCAVATION OF THE SITE.

STREAMS, BODIES OF WATER, & WETLANDS

- ALL STREAMS, BODIES OF WATER, AND WETLANDS MAY BE SUBJECT TO STATE, COUNTY, AND LOCAL BUFFERS OR RESTRICTIONS. SURVEYOR MAKES NO INTERPRETATION REGARDING THESE BUFFERS OR RESTRICTIONS. USER OF THIS MAP IS CAUTIONED TO CONSULT WITH THE APPROPRIATE GOVERNING AUTHORITIES CONCERNING POSSIBLE BUFFERS OR RESTRICTIONS.

ARCHEOLOGICAL & HISTORIC

- UNLESS SHOWN HEREON, NO CEMETERIES, ARCHEOLOGICAL, OR ARCHITECTURAL LANDMARKS ARE KNOWN TO EXIST ON THIS SITE. HOWEVER, SURVEYOR HAS NOT EXCAVATED THE SITE OR CONSULTED WITH A QUALIFIED PROFESSIONAL IN THIS FIELD FOR ABSOLUTE CONFORMATION.

REFERENCES

- BOUNDARY SURVEY FOR PLANT McDONOUGH-ATKINSON PREPARED BY WATTS AND BROWNING ENGINEERS, INC., LAST REVISED 01-15-18. GPC DRAWING NUMBER P281-4

LEGEND

P.O.B.	POINT OF BEGINNING
ROW	RIGHT-OF-WAY
CTF	CRIMP TOP PIPE FOUND
OTF	OPEN TOP PIPE FOUND
RBF	REBAR FOUND
LL	LAND LOT
	LIGHT POLE
	POWER POLE
S	SANITARY SEWER MANHOLE

GRID NORTH
GA WEST NAD83

100 0 100 200 300
SCALE IN FEET

GEORGIA POWER CO., ATLANTA, GA.
Land Department

Plant McDonough
Ash Pond 2, 3 & 4
Permit Boundary Survey

Land Lots 825,830, 831, 894, 895, 896 and 898, 17th District, Cobb County, Georgia

REVISION BLOCK / APPROVALS	DR. JCS	TR.	Checked JRG
	SCALE 1" = 100'		DATE 10/12/18
	MAP FILE NUMBER P470-5(2)		

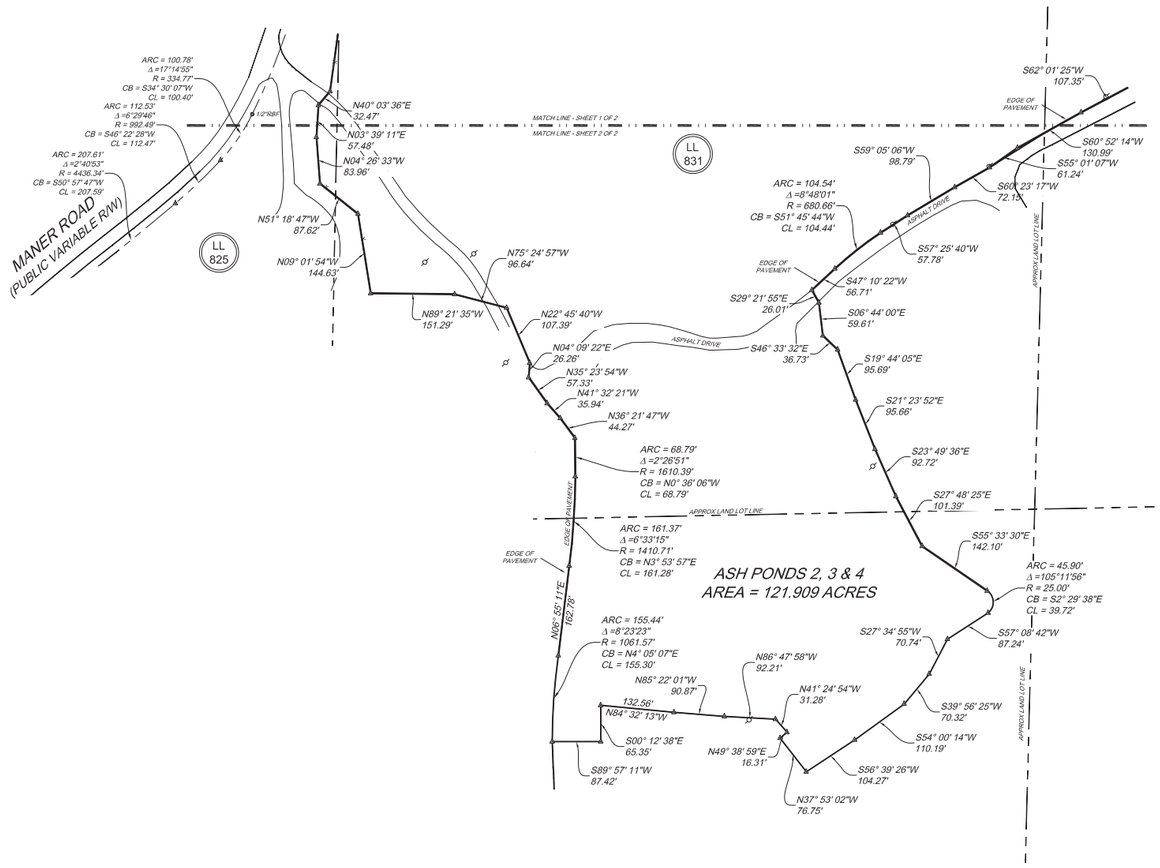
T:\Working2\Ash\McDonough\20180160 93 Plant McDonough-Ash Pond Permitted Boundary\Survey\

FOR THE FIRM
METRO ENGINEERING & SURVEYING CO., INC.
GA. L.S.F. #00538

GEORGIA REGISTERED No. 2543 PROFESSIONAL LAND SURVEYOR JAMES R. GRESHAM

11-13-18

METRO ENGINEERING & SURVEYING CO., INC.
SURVEYORS - ENGINEERS - PHOTOGRAMMETRISTS
PROVIDING PROFESSIONAL SERVICE SINCE 1967
1469 Highway 20 West - McDonough, Georgia 30253
Phone: 770-707-0777 - Fax:770-707-0735
www.metro-engineering.com



Ash Ponds 2, 3 & 4

All of that tract or parcel of land lying and being in Land Lots 825,830, 831, 894, 895, 896 and 899, 17th District, Cobb County, Georgia and being more particularly described as follows:

BEGINNING at a fence corner having State Plane Grid Values of North 1,393,982.3 and East 2,201,704.8 (Georgia West Zone, NAD83), thence from said fence corner following the meanderings of a 6 foot chain link fence the following metes and bounds: North 89°31'45" East, a distance of 91.63 feet; South 87°55'47" East, a distance of 192.19 feet; South 87°32'54" East, a distance of 145.06 feet; North 84°26'45" East, a distance of 47.54 feet; North 79°51'14" East, a distance of 65.57 feet; North 76°23'28" East, a distance of 47.65 feet; North 69°24'09" East, a distance of 19.27 feet; North 64°30'16" East, a distance of 110.23 feet; North 71°42'51" East, a distance of 10.00 feet; North 65°36'08" East, a distance of 90.17 feet; North 61°33'59" East, a distance of 89.40 feet; North 46°21'04" East, a distance of 11.27 feet; North 62°38'48" East, a distance of 237.55 feet; thence leaving said chain link fence, North 37°35'02" East, a distance of 32.76 feet to a point on the southeasterly right-of-way line of Plant Atkinson Road (a.k.a. Church Road having a 50 foot right-of-way); thence along said right-of-way line, North 60°44'41" East, a distance of 286.71 feet; thence leaving said right-of-way line of Plant Atkinson Road, North 77°10'37" East, a distance of 65.65 feet to 6 foot chain link fence; thence following said 6 foot chain link fence the following metes and bounds: North 57°15'43" East, a distance of 185.21 feet; South 22°32'04" East, a distance of 136.96 feet; South 86°39'54" East, a distance of 110.07 feet; North 89°23'20" East, a distance of 138.82 feet; South 87°42'00" East, a distance of 246.22 feet; South 80°56'56" East, a distance of 125.74 feet; South 35°28'31" East, a distance of 73.19 feet; South 51°10'29" East, a distance of 121.55 feet; South 44°28'04" East, a distance of 50.74 feet; South 31°05'56" East, a distance of 41.35 feet; South 23°08'59" East, a distance of 35.03 feet; South 14°39'00" East, a distance of 98.21 feet; South 13°20'29" East, a distance of 151.83 feet; South 04°18'11" West, a distance of 163.58 feet; South 06°39'39" West, a distance of 108.09 feet; South 06°52'47" West, a distance of 122.12 feet; South 04°27'41" West, a distance of 165.03 feet; South 11°33'23" West, a distance of 91.29 feet; South 11°36'29" West, a distance of 213.45 feet; thence leaving said chain link fence the following metes and bounds: South 24°30'43" East, a distance of 66.04 feet; South 15°23'46" West, a distance of 39.49 feet; South 11°15'23" West, a distance of 144.31 feet; South 17°36'48" East, a distance of 49.27 feet; South 05°13'05" West, a distance of 88.77 feet; South 18°01'51" West, a distance of 85.74 feet; South 21°56'12" West, a distance of 58.69 feet; North 61°50'46" West, a distance of 59.13 feet; North 46°51'16" West, a distance of 49.43 feet; North 30°33'20" East, a distance of 46.33 feet; North 59°24'22" West, a distance of 47.83 feet; South 53°59'04" West, a distance of 58.43 feet; South 73°58'38" West, a distance of 222.37 feet; South 08°34'10" West, a distance of 32.08 feet; North 81°14'26" West, a distance of 65.27 feet; North 18°16'41" West, a distance of 48.36 feet; South 76°22'23" West, a distance of 64.57 feet; run southwesterly along the arc of a curve 159.67 feet, concave to the north, having a central angle of 17°37'06" and a radius of 522.72 feet and being subtended by a chord which bears North 84°20'43" West, a distance of 159.05 feet; run southwesterly along the arc of a curve 133.72 feet, concave to the north, having a central angle of 03°31'38" and a radius of 2172.21 feet and being subtended by a chord which bears North 86°57'54" West, a distance of 133.70 feet; North 85°18'26" West, a distance of 130.11 feet; North 88°53'07" West, a distance of 50.80 feet; South 83°52'31" West, a distance of 23.87 feet; South 66°17'34" West, a distance of 39.25 feet; South 64°35'17" West, a distance of 136.52 feet; South 62°01'25" West, a distance of 107.35 feet; South 60°52'14" West, a distance of 130.99 feet; South 55°01'07" West, a distance of 61.24 feet; South 60°23'17" West, a distance of 72.15 feet; South 59°05'06" West, a distance of 98.79 feet; South 57°25'40" West, a distance of 57.78 feet; run southwesterly along the arc of a curve 104.54 feet, concave to the southeast, having a central angle of 08°48'01" and a radius of 680.66 feet and being subtended by a chord which bears South 51°45'44" West, a distance of 104.44 feet; South 47°10'22" West, a distance of 56.71 feet; South 29°21'55" East, a distance of 26.01 feet; South 06°44'00" East, a distance of 59.61 feet; South 46°33'32" East, a distance of 36.73 feet; South 19°44'05" East, a distance of 95.69 feet; South 21°23'52" East, a distance of 95.66 feet; South 23°49'36" East, a distance of 92.72 feet; South 27°48'25" East, a distance of 101.39 feet; South 55°33'30" East, a distance of 142.10 feet; run south along the arc of a curve 45.90 feet, concave to the west, having a central angle of 105°11'56" and a radius of 25.00 feet and being subtended by a chord which bears South 02°29'38" East, a distance of 39.72 feet; South 57°08'42" West, a distance of 87.24 feet; South 27°34'55" West, a distance of 70.74 feet; South 39°56'25" West, a distance of 70.32 feet; South 54°00'14" West, a distance of 110.19 feet; South 56°39'26" West, a distance of 104.27 feet; North 37°53'02" West, a distance of 76.75 feet; North 49°38'59" East, a distance of 16.31 feet; North 41°24'54" West, a distance of 31.28 feet; North 86°47'58" West, a distance of 92.21 feet; North 83°22'01" West, a distance of 90.87 feet; North 84°32'13" West, a distance of 132.56 feet; South 00°12'38" East, a distance of 65.35 feet; South 89°57'11" West, a distance of 87.42 feet; run northerly along the arc of a curve 155.44 feet, concave to the east, having a central angle of 08°23'23" and a radius of 1061.57 feet and being subtended by a chord which bears North 04°05'07" East, a distance of 155.30 feet; North 06°55'11" East, a distance of 162.78 feet; run northerly along the arc of a curve 161.37 feet, concave to the west, having a central angle of 06°33'15" and a radius of 1410.71 feet and being subtended by a chord which bears North 03°53'57" West, a distance of 161.28 feet; run northerly along the arc of a curve 68.79 feet, concave to the west, having a central angle of 02°26'51" and a radius of 1610.39 feet and being subtended by a chord which bears North 00°36'06" West, a distance of 68.79 feet; North 36°21'47" West, a distance of 44.27 feet; North 41°32'21" West, a distance of 35.94 feet; North 04°09'22" East, a distance of 26.26 feet; North 22°45'40" East, a distance of 107.39 feet; North 75°24'57" East, a distance of 96.64 feet; North 89°21'35" East, a distance of 151.29 feet; thence following the meanderings of a 6 foot chain link fence the following metes and bounds: North 09°01'54" West, a distance of 144.63 feet; North 51°18'47" West, a distance of 87.62 feet; North 04°26'33" West, a distance of 83.96 feet; North 03°39'11" East, a distance of 57.48 feet; North 40°03'36" East, a distance of 32.47 feet; North 07°40'04" East, a distance of 322.18 feet; North 07°09'22" East, a distance of 293.52 feet; North 80°01'34" West, a distance of 15.75 feet; North 06°31'53" East, a distance of 140.95 feet; North 06°57'42" East, a distance of 165.01 feet; North 32°12'17" East, a distance of 185.93 feet; run northeasterly along the arc of a curve 119.00 feet, concave to the northwest, having a central angle of 32°32'26" and a radius of 209.52 feet and being subtended by a chord which bears North 20°00'43" East, a distance of 117.40 feet; run northerly along the arc of a curve 106.75 feet, concave to the west, having a central angle of 10°09'27" and a radius of 602.13 feet and being subtended by a chord which bears North 02°54'57" East, a distance of 106.61 feet; run northwesterly along the arc of a curve 158.73 feet, concave to the southeast, having a central angle of 35°33'35" and a radius of 255.75 feet and being subtended by a chord which bears North 23°14'00" West, a distance of 156.81 feet; North 62°42'03" East, a distance of 69.63 feet; North 03°49'34" West, a distance of 7.35 feet; North 82°25'55" East, a distance of 20.62 feet; North 04°36'31" West, a distance of 32.47 feet to the **POINT OF BEGINNING**.

Said Ash Ponds 2, 3 and 4 containing 121.909 acres.

GEORGIA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION

Approved

Solid Waste Management Program

Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2025.03.24 09:39:33 -04'00'

LOCATION MAP