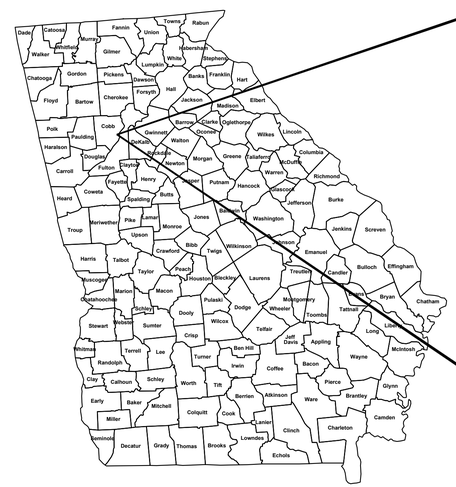
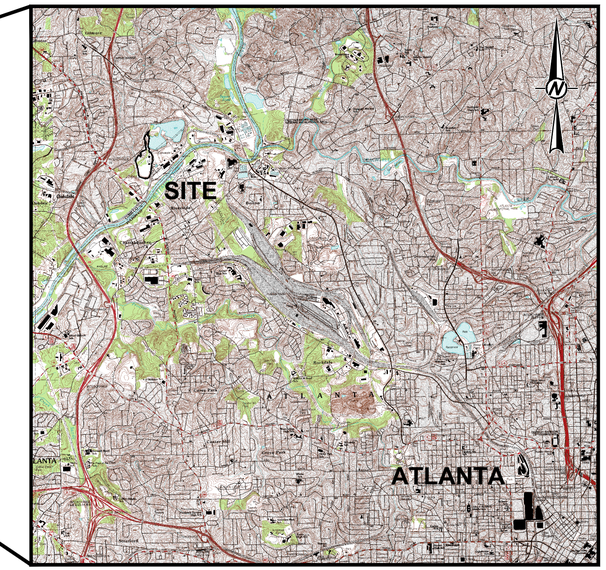
GEORGIA POWER COMPANY
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS
COBB COUNTY, GEORGIA
JUNE 2025

LIST OF DRAWINGS	
SHEET	TITLE
1	TITLE SHEET
2	PRE-CLOSURE CONDITIONS TOPOGRAPHIC SITE MAP
3	PRE-CLOSURE CONDITIONS MAY 2014 SITE AERIAL
4	ESTIMATED BOTTOM OF CCR
5A	GENERAL SITE DEVELOPMENT PLAN - BARRIER WALL ALIGNMENT OPTION A
5B	GENERAL SITE DEVELOPMENT PLAN - BARRIER WALL ALIGNMENT B
6	GENERAL SITE DEVELOPMENT SECTIONS
7	CCR EXCAVATION PLAN
8	FINAL COVER ARMORING PLAN
9	FINAL GRADING PLAN
10	NORTH POND PROFILES & SECTIONS
11	SOUTH POND PROFILES & SECTIONS
12	COVER SYSTEM DETAILS
13	STORMWATER MANAGEMENT DETAILS - SHEET 1
14	STORMWATER MANAGEMENT DETAILS - SHEET 2
15	STORMWATER MANAGEMENT DETAILS - SHEET 3
16	STORMWATER MANAGEMENT DETAILS - SHEET 4
17A	BARRIER WALL PROFILE - SHEET 1 OPTION A
17B	BARRIER WALL PROFILE - SHEET 1 OPTION B
18A	BARRIER WALL PROFILE - SHEET 2 OPTION A
18B	BARRIER WALL PROFILE - SHEET 2 OPTION B
19	BARRIER WALL SECTIONS - SHEET 1
20	BARRIER WALL SECTIONS - SHEET 2
21	BARRIER WALL DETAILS
22	COMPLIANCE WELL MONITORING NETWORK
	PERMIT BOUNDARY SURVEYS
P470-5(1)	ASH POND 1 PERMIT BOUNDARY SURVEY



SITE VICINITY MAP



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

SITE LOCATION MAP

0 5000 10000
1" = 5000' FEET

CONTACT INFORMATION

ENGINEER

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

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 McGILL BLVD.
ATLANTA, GA 30308
TELEPHONE: 404-506-6505

PREPARED BY:

PREPARED FOR:

Southern Company

Georgia Power

06/2025
ISSUED FOR PERMITTING

CLIENT
SOUTHERN COMPANY SERVICES

Southern Company

PROJECT
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS

Georgia Power

TITLE
TITLE SHEET

GEORGIA REGISTERED No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER
06-Jun-2025

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CONSULTANT

YYYY-MM-DD	2025-06-06
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO.	PROJECT ID	REV.	SHEET
1777449	MCD15017	0	1

LEGEND

- PROPERTY LINE
- APPROXIMATE CCR LIMITS (PRE-CLOSURE)
- FLOODPLAIN (APPROXIMATE) (100 YR)
- 700 PRE-CLOSURE GROUND CONTOURS
- EXISTING FENCE LINE
- GAS EXISTING GAS LINE

NOTES

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

2. PRE-CLOSURE CONTOURS SHOWN ON THIS PLAN ARE AT 1' INTERVALS.

3. ASH PONDS 2, 3 AND 4 ARE SHOWN FOR INFORMATION ONLY.

4. PIPE AND INACTIVE UTILITIES WITHIN AP-1 LIMITS TO BE REMOVED OR ABANDONED IN PLACE VIA GROUTING PRIOR TO OR DURING CLOSURE.

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."

06/2025

ISSUED FOR PERMITTING

0 300 600
1" = 300' FEET

CLIENT
SOUTHERN COMPANY SERVICES

Southern Company

PROJECT
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS

Georgia Power

TITLE
PRE-CLOSURE CONDITIONS TOPOGRAPHIC SITE MAP

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

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CONSULTANT
wsp

YYYY-MM-DD	2025-06-06
DESIGNED	GLH
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CHECKED	MP
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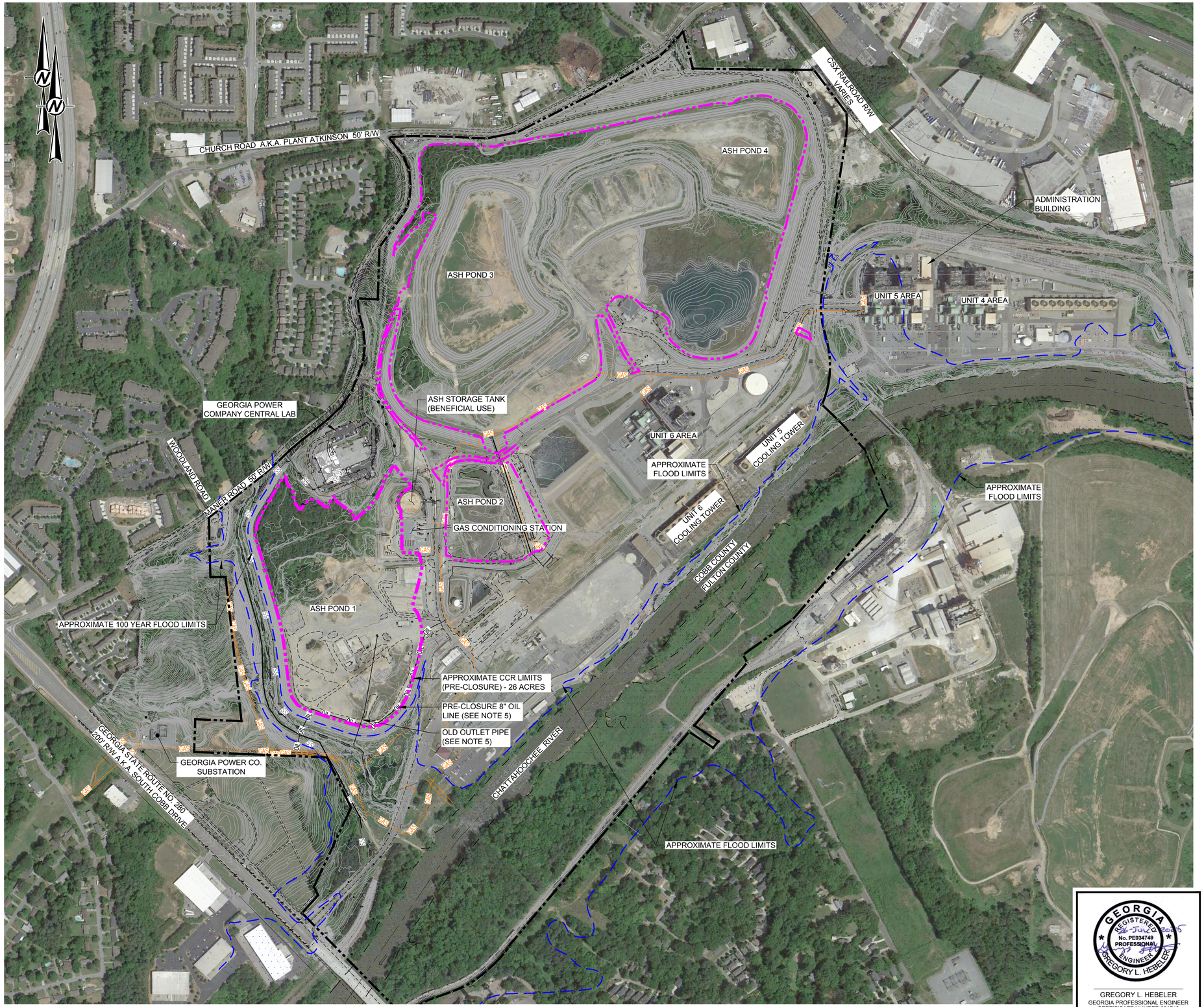
PROJECT NO.	PROJECT ID	REV.	SHEET
1777449	MCD15017	0	2



LEGEND

- PROPERTY LINE
- APPROXIMATE CCR LIMITS (PRE-CLOSURE)
- FLOODPLAIN (APPROXIMATE) (100 YR)
- 700 — EXISTING GROUND CONTOURS
- EXISTING FENCE LINE
- GAS — EXISTING GAS LINE

NOTES

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

2. PRE-CLOSURE CONTOURS SHOWN ON THIS PLAN ARE AT 1' INTERVALS.

3. ASH PONDS 2, 3 AND 4 ARE SHOWN FOR INFORMATION ONLY.

4. PIPE AND INACTIVE UTILITIES WITHIN AP-1 LIMITS TO BE REMOVED OR ABANDONED IN PLACE VIA GROUTING PRIOR TO OR DURING CLOSURE.

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

06/2025

ISSUED FOR PERMITTING

0 300 600
1" = 300' FEET

CLIENT
SOUTHERN COMPANY SERVICES

Southern Company

PROJECT
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS

Georgia Power

TITLE
PRE-CLOUSRE CONDITIONS MAY 2014 SITE AERIAL

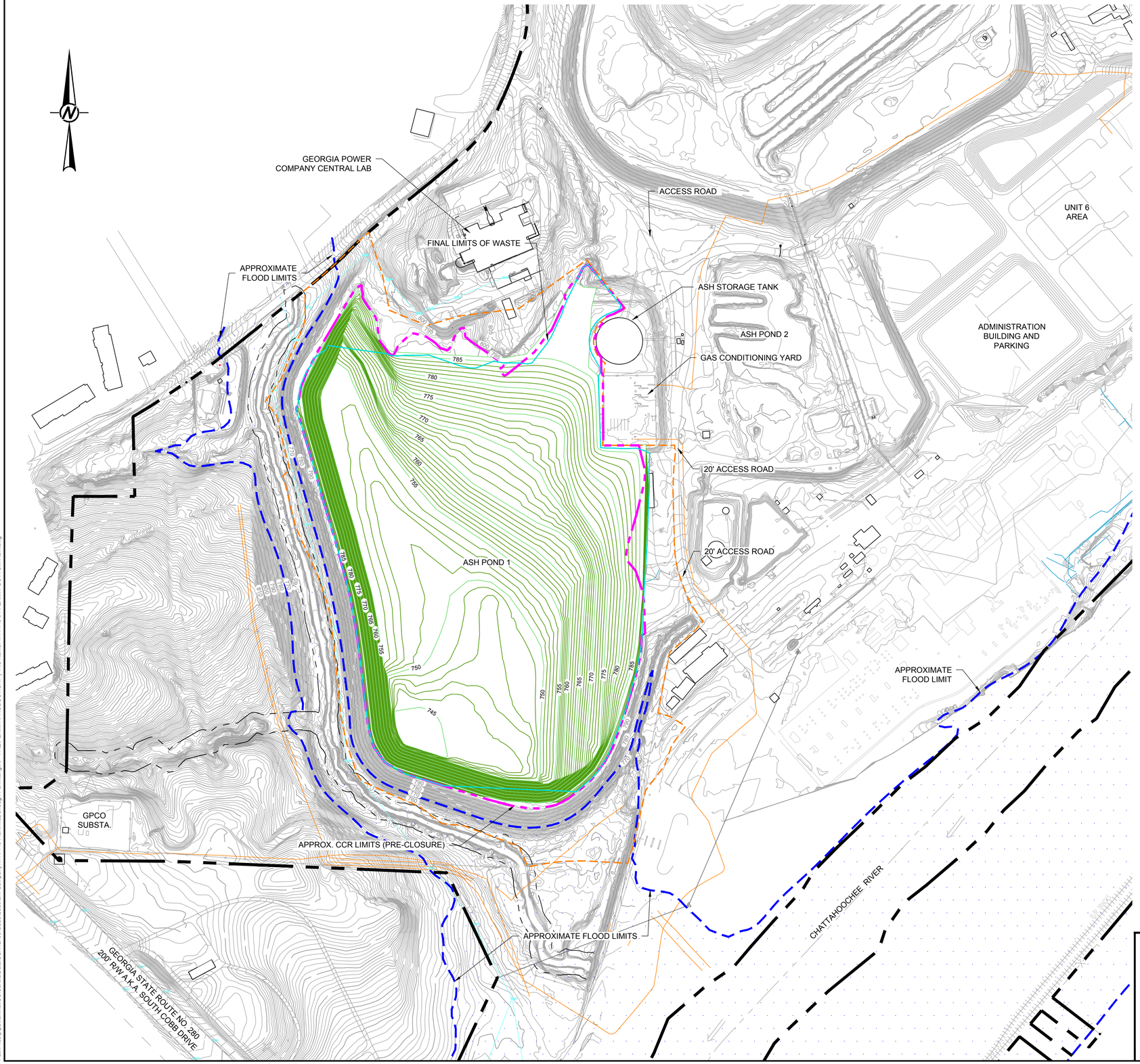
GEORGIA REGISTERED No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CONSULTANT

YYYY-MM-DD	2025-06-06
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO.	PROJECT ID	REV.	SHEET
1777449	MCD15017	0	3



LEGEND

- PROPERTY LINE
- APPROXIMATE CCR LIMITS (PRE-CLOSURE)
- PROPOSED PERMIT BOUNDARY
- FINAL LIMITS OF CCR
- FLOODPLAIN (APPROXIMATE) (100 YR)
- 700 PRE-CLOSURE GROUND CONTOURS
- EXISTING FENCE LINE
- 700 ESTIMATED BOTTOM OF CCR CONTOURS

NOTES

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

2. PRE-CLOSURE CONTOURS SHOWN ON THIS PLAN ARE AT 1' INTERVALS.

3. ASH PONDS 2, 3 AND 4 ARE SHOWN FOR INFORMATION ONLY.

4. ESTIMATED BOTTOM OF CCR CONTOURS BASED ON A COMBINATION OF 1954 USGS TOPOGRAPHY AND AVAILABLE SUBSURFACE INVESTIGATION DATA. DEPICTED INTERIOR DAM GRADING BELOW EXISTING EXPOSED LIMITS IS INFERRED FROM HISTORIC SOUTHERN COMPANY DAM DESIGN TYPICAL SECTIONS.

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."

06/2025

ISSUED FOR PERMITTING

CLIENT
SOUTHERN COMPANY SERVICES

Southern Company

PROJECT
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS

Georgia Power

TITLE
ESTIMATED BOTTOM OF CCR

0 150 300
1" = 150' FEET

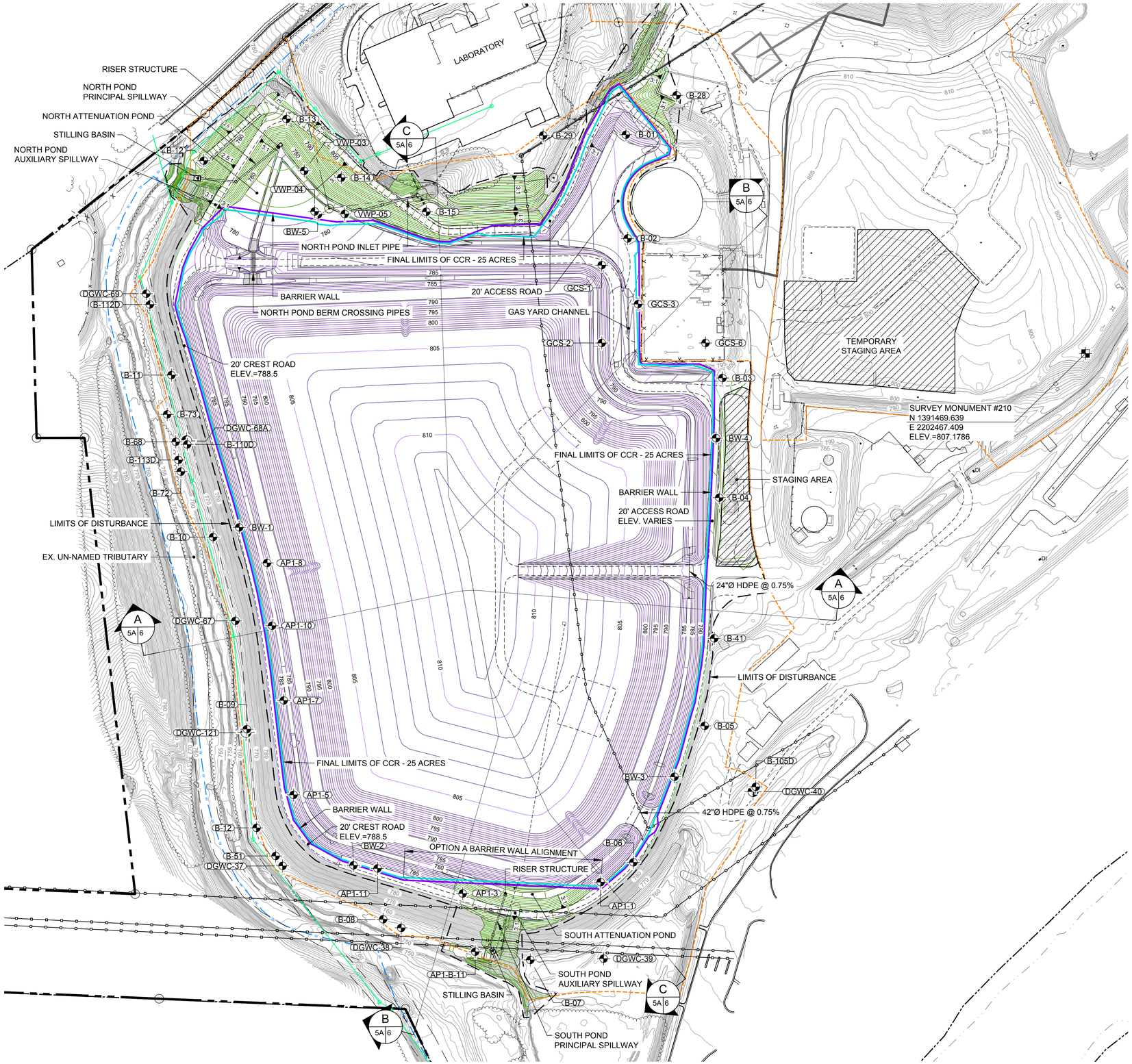
GEORGIA REGISTERED No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CONSULTANT
wsp

YYYY-MM-DD	2025-06-06
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO.	PROJECT ID	REV.	SHEET
1777449	MCD15017	0	4



LEGEND

- EXISTING CONTOURS (780, 779)
- PROPERTY BOUNDARY (SEE REFERENCE 1)
- PROPOSED PERMIT BOUNDARY
- FINAL LIMITS OF CCR
- EXISTING SANITARY SEWER LINE
- W — EXISTING WATER LINE (AS NOTED)
- GAS — EXISTING GAS LINE
- EXISTING OVERHEAD ELECTRIC LINE
- BARRIER WALL ALIGNMENT
- EXISTING STORMWATER LINE
- FINAL CLOSURE CONTOURS (780, 779)
- CCR EXCAVATION CONTOURS (780, 779)
- DRILLING WELL LOCATION

REFERENCES

1. THE EXISTING TOPOGRAPHY, AND CONTOUR ELEVATIONS ARE BASED ON LIDAR DATA AND SUPPLEMENTAL GROUND RUN TOPOGRAPHY BY METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 03/21/2024.

NOTE

1. EXISTING TOPOGRAPHIC CONTOUR INTERVAL = 1 FOOT.

2. SUBSURFACE BARRIER WALL OPTION A FOR ALIGNMENT IN SOUTHERN PORTION OF AP-1 IS SHOWN. ALIGNMENT OPTION A ALLOWS FOR CONSTRUCTABILITY CLEARANCES IN THE VICINITY OF EXISTING OVERHEAD ELECTRIC LINES.

3. PRIOR TO THE INITIATION OF WORK, THE CONTRACTOR WILL SUBMIT A BARRIER WALL RELATED WORK PLAN FOR THE CONSTRUCTION OF THE SUBSURFACE PERIMETER BARRIER WALL TO SOUTHERN COMPANY FOR APPROVAL PRIOR TO CONSTRUCTION. THIS WORK PLAN SHALL INCLUDE INFORMATION ON THE WALL MATERIALS (BENTONITE, PORTLAND CEMENT, SLAG CEMENT OR OTHER REAGENTS, SOIL MATERIALS, AND ANY OTHER PROPOSED MATERIALS OF WALL CONSTRUCTION TO BE MIXED) AS REQUIRED BY ANY PROJECT TECHNICAL SPECIFICATIONS. THE DETAILED WORK PLAN SHALL ALSO INCLUDE DETAILS RELATED TO SLURRY MIXING AND BENTONITE HYDRATION AS REQUIRED BY THE PROJECT TECHNICAL SPECIFICATIONS.

4. THE CONTRACTOR WILL PROVIDE SUBMITTALS RELATED TO THE BARRIER WALL CONSTRUCTION TO SOUTHERN COMPANY FOR REVIEW BY THE DESIGN ENGINEER AND CQA CONSULTANT. SUBMITTALS SHALL MEET THE REQUIREMENTS OF THESE CLOSURE DRAWINGS AND PROJECT TECHNICAL SPECIFICATIONS.

06/2025

ISSUED FOR PERMITTING

0 100 200
1" = 100' FEET

GEORGIA REGISTERED No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
SOUTHERN COMPANY SERVICES

Southern Company

PROJECT
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS

Georgia Power

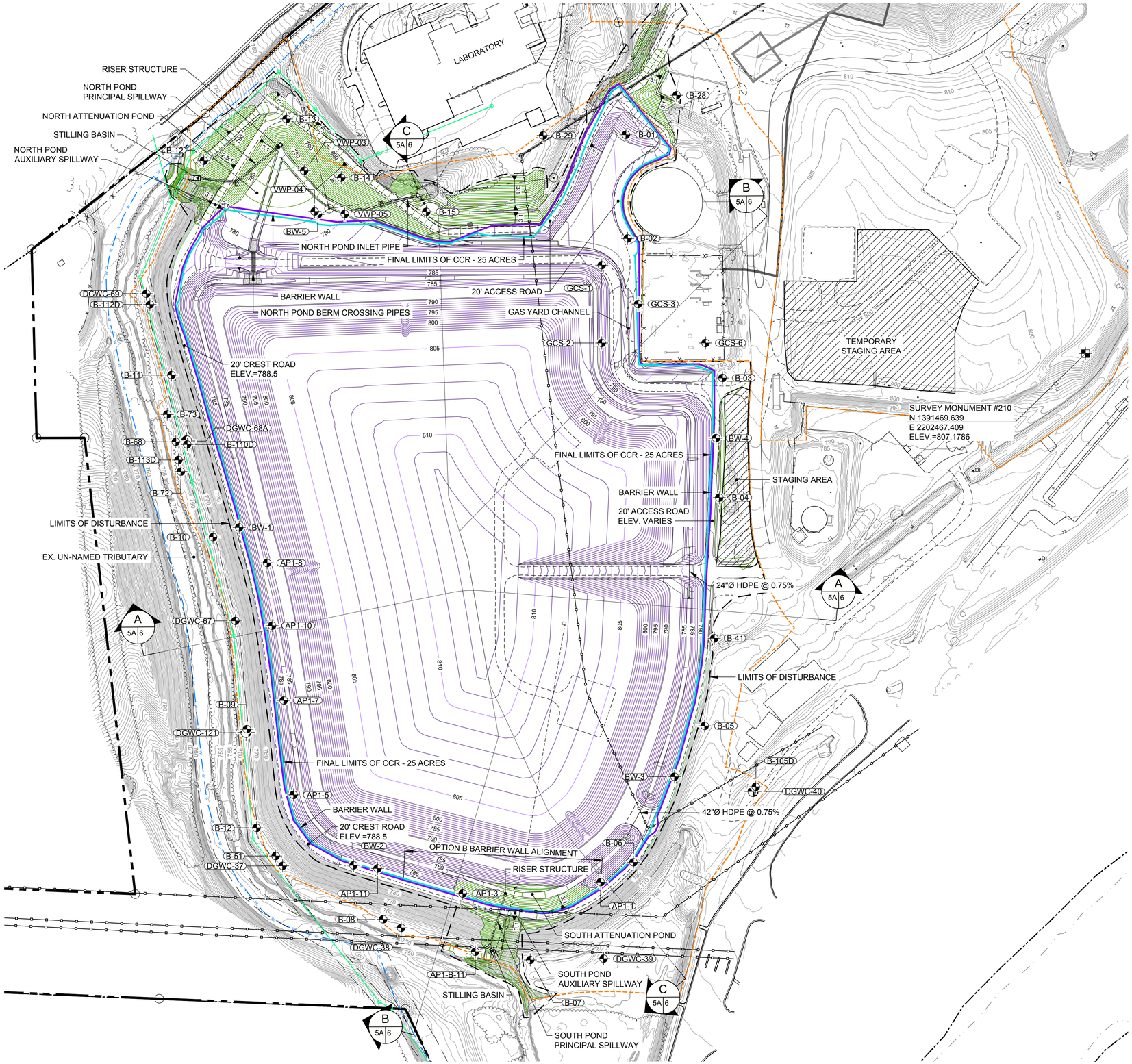
TITLE
GENERAL SITE DEVELOPMENT PLAN
BARRIER WALL ALIGNMENT OPTION A

CONSULTANT

wsp

YYYY-MM-DD	2025-06-06
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO.	PROJECT ID	REV.	SHEET
1777449	MCD15017	0	5A



LEGEND

- EXISTING CONTOURS
- PROPERTY BOUNDARY (SEE REFERENCE 1)
- PROPOSED PERMIT BOUNDARY
- FINAL LIMITS OF CCR
- EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE (AS NOTED)
- EXISTING GAS LINE
- EXISTING OVERHEAD ELECTRIC LINE
- BARRIER WALL ALIGNMENT
- EXISTING STORMWATER LINE
- FINAL CLOSURE CONTOURS
- CCR EXCAVATION CONTOURS
- DRILLING WELL LOCATION

REFERENCES

1. THE EXISTING TOPOGRAPHY, AND CONTOUR ELEVATIONS ARE BASED ON LIDAR DATA AND SUPPLEMENTAL GROUND RUN TOPOGRAPHY BY METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 03/21/2024.

NOTE

1. EXISTING TOPOGRAPHIC CONTOUR INTERVAL = 1 FOOT.

2. SUBSURFACE BARRIER WALL OPTION A FOR ALIGNMENT IN SOUTHERN PORTION OF AP-1 IS SHOWN. ALIGNMENT OPTION A ALLOWS FOR CONSTRUCTABILITY CLEARANCES IN THE VICINITY OF EXISTING OVERHEAD ELECTRIC LINES.

3. PRIOR TO THE INITIATION OF WORK, THE CONTRACTOR WILL SUBMIT A BARRIER WALL RELATED WORK PLAN FOR THE CONSTRUCTION OF THE SUBSURFACE PERIMETER BARRIER WALL TO SOUTHERN COMPANY FOR APPROVAL PRIOR TO CONSTRUCTION. THIS WORK PLAN SHALL INCLUDE INFORMATION ON THE WALL MATERIALS (BENTONITE, PORTLAND CEMENT, SLAG CEMENT OR OTHER REAGENTS, SOIL MATERIALS, AND ANY OTHER PROPOSED MATERIALS OF WALL CONSTRUCTION TO BE MIXED) AS REQUIRED BY ANY PROJECT TECHNICAL SPECIFICATIONS. THE DETAILED WORK PLAN SHALL ALSO INCLUDE DETAILS RELATED TO SLURRY MIXING AND BENTONITE HYDRATION AS REQUIRED BY THE PROJECT TECHNICAL SPECIFICATIONS.

4. THE CONTRACTOR WILL PROVIDE SUBMITTALS RELATED TO THE BARRIER WALL CONSTRUCTION TO SOUTHERN COMPANY FOR REVIEW BY THE DESIGN ENGINEER AND CQA CONSULTANT. SUBMITTALS SHALL MEET THE REQUIREMENTS OF THESE CLOSURE DRAWINGS AND PROJECT TECHNICAL SPECIFICATIONS.

06/2025

ISSUED FOR PERMITTING

CLIENT
SOUTHERN COMPANY SERVICES

Southern Company

PROJECT
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS

Georgia Power

TITLE
GENERAL SITE DEVELOPMENT PLAN
BARRIER WALL ALIGNMENT OPTION B

0 100 200
1" = 100' FEET

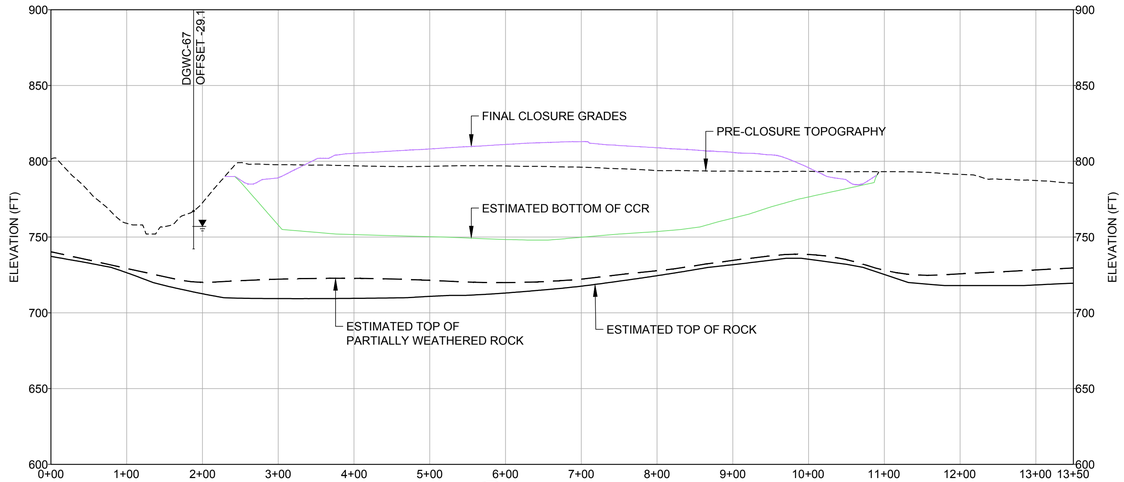
GEORGIA REGISTERED No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

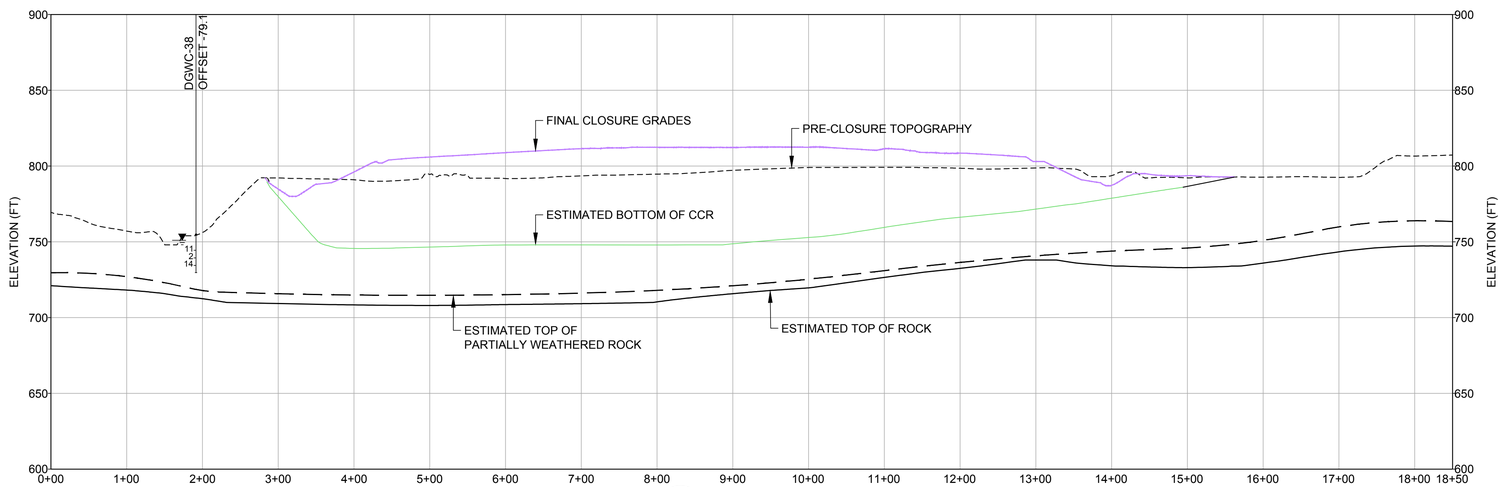
CONSULTANT

YYYY-MM-DD	2025-06-06
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

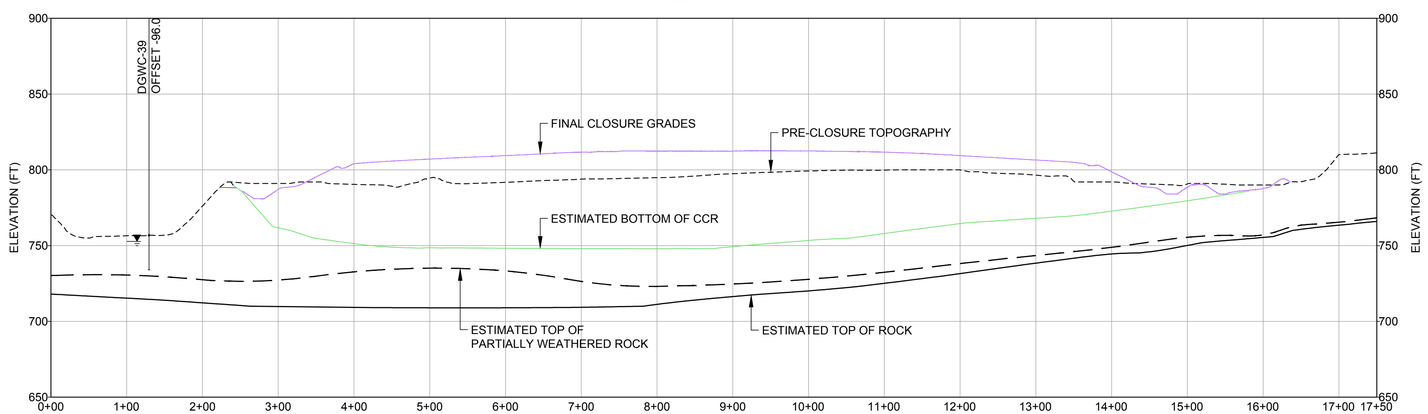
PROJECT NO.	PROJECT ID	REV.	SHEET
1777449	MCD15017	0	5B



A SECTION A-A
6 5A

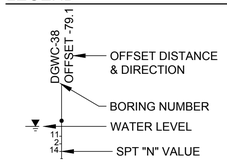


B SECTION B-B
6 5A



C SECTION C-C
6 5A

LEGEND



NOTE

1. FINAL CLOSURE GRADES PRESENTED ARE THE DESIGN CLOSURE GRADES AND REPRESENT TOP OF FINAL COVER LINER.

2. ESTIMATED BOTTOM OF CCR CONTOURS BASED ON A COMBINATION OF 1954 USGS TOPOGRAPHY AND AVAILABLE SUBSURFACE INVESTIGATION DATA. DEPICTED INTERIOR DAM GRADING BELOW EXISTING EXPOSED LIMITS IS INFERRED FROM HISTORIC SOUTHERN COMPANY DAM DESIGN TYPICAL SECTIONS.

3. TOP OF PARTIALLY WEATHERED ROCK, TOP OF ROCK AND BOTTOM OF CCR LINES ARE ESTIMATED BASED ON DISCRETE BOREHOLE INFORMATION AND SHOULD BE CONSIDERED APPROXIMATE.

4. WATER LEVELS ARE REPRESENTATIVE OF JANUARY 29, 2024 AS PRESENTED IN GROUNDWATER MONITORING PLAN, DATED JANUARY 2024.

REFERENCE

1. PRE-CLOSURE TOPOGRAPHY, UTILITIES, AND CONTOUR ELEVATIONS 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."

06/2025
ISSUED FOR PERMITTING

CLIENT
SOUTHERN COMPANY SERVICES

Southern Company

PROJECT
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS

Georgia Power

TITLE
GENERAL SITE DEVELOPMENT SECTIONS

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

CONSULTANT
wsp

YYYY-MM-DD	2025-06-06
DESIGNED	GLH
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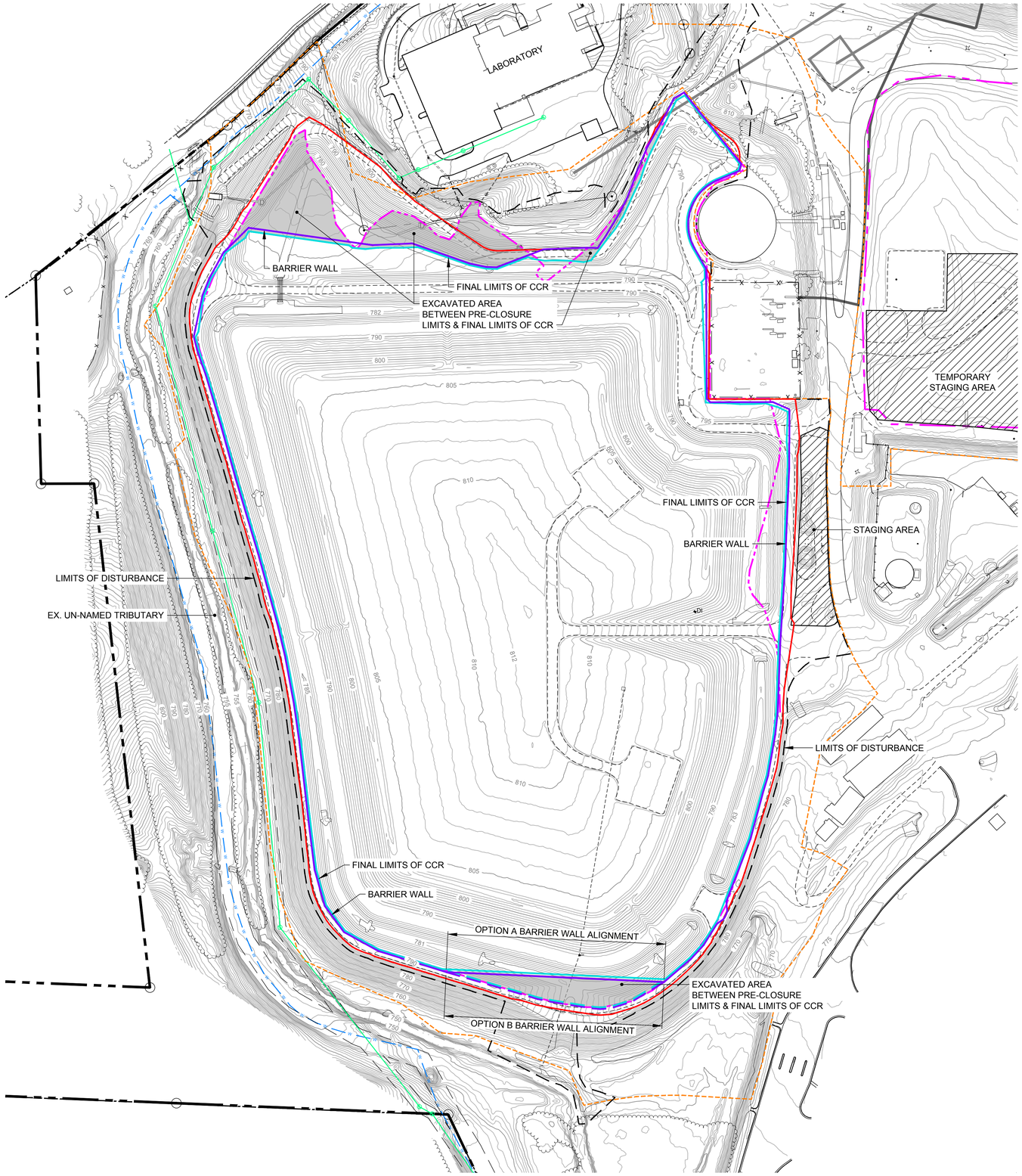
PROJECT NO.	PROJECT ID	REV.	SHEET
1777449	MCD15017	0	6



LEGEND

- EXISTING CONTOURS
- PROPERTY BOUNDARY (SEE REFERENCE 1)
- PROPOSED PERMIT BOUNDARY
- APPROXIMATE CCR LIMITS (PRE-CLOSURE)
- FINAL LIMITS OF CCR
- EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE (AS NOTED)
- EXISTING GAS LINE
- BARRIER WALL ALIGNMENT
- EXISTING STORMWATER LINE
- PROPOSED FINAL CONTOURS
- EXCAVATED AREA BETWEEN PRE-CLOSURE LIMITS & FINAL LIMITS OF CCR
- FINAL LIMITS OF LINER

NOTE

1. EXCAVATION PLAN SHOWS THE AREA OF EXCAVATION BETWEEN THE PRE-CLOSURE LIMITS OF CCR AN THE FINAL LIMITS OF WASTE (FINAL EXTENTS OF LINER).

REFERENCES

1. THE AS-BUILT TOPOGRAPHY, AND CONTOUR ELEVATIONS ARE BASED ON LIDAR DATA AND SUPPLEMENTAL GROUND RUN TOPOGRAPHY BY METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 03/21/2024.

06/2025

ISSUED FOR PERMITTING

CLIENT
SOUTHERN COMPANY SERVICES

Southern Company

PROJECT
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS

Georgia Power

TITLE
CCR EXCAVATION PLAN

0 100 200
1" = 100' FEET

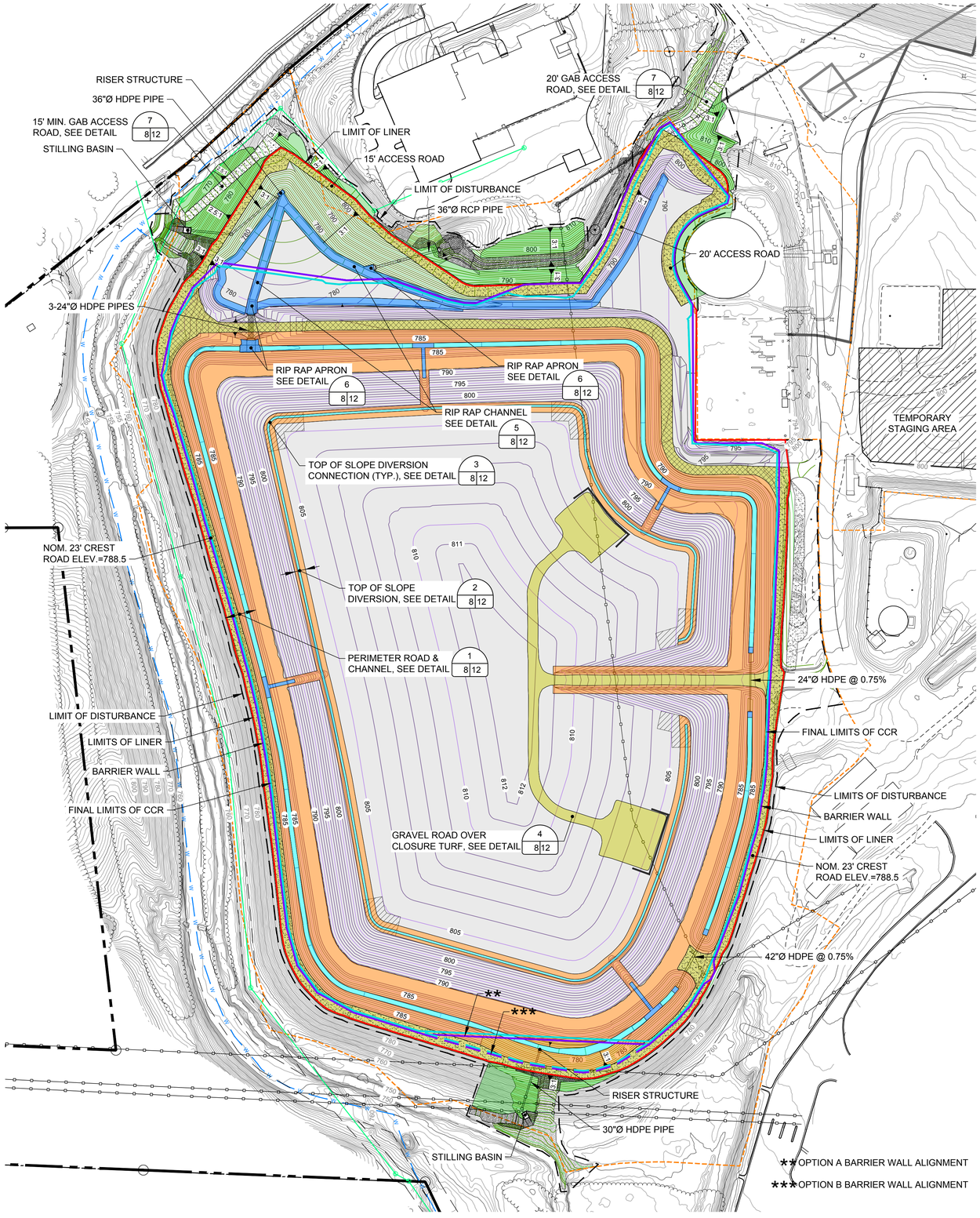
GEORGIA REGISTERED No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CONSULTANT

YYYY-MM-DD	2025-06-06
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO.	PROJECT ID	REV.	SHEET
1777449	MCD15017	0	7



LEGEND

- EXISTING CONTOURS (780, 779)
- PROPERTY BOUNDARY (SEE REFERENCE 1)
- PROPOSED PERMIT BOUNDARY
- FINAL LIMITS OF CCR
- EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE (AS NOTED)
- EXISTING GAS LINE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING FENCE
- FINAL CLOSURE CONTOURS (780, 779)
- FINAL CONTOURS (780, 779)
- BARRIER WALL ALIGNMENT
- FINAL LIMITS OF LINER
- HYDRO TURF OVER SUPERGRIPNET
- TYPE 3 RIP RAP OVER CLOSURE TURF
- CLOSURE TURF
- GRAVEL PERIMETER ROAD OVER CLOSURE TURF
- GRAVEL PERIMETER ROAD OUTSIDE OF CLOSURE TURF
- GRAVEL ROAD & TRANSMISSION FOUNDATION OVER CLOSURE TURF
- PERMANENT GRASS
- TYPE 1 OR TYPE 3 RIP RAP
- TOP OF SLOPE DIVERSION CONNECTION

NOTES

1. EXISTING TOPOGRAPHIC CONTOUR INTERVAL = 1 FOOT.
2. SUPERGRIPNET TO BE AGRU 50 MIL LLDPE OR AGRU 50MIL LLDPE MICRODRAIN.
3. CLOSURE TURF TO CONTAIN SAND INFILL MINIMUM 1/2" THICKNESS UNLESS OTHERWISE INDICATED.
4. 12" BERM / CURB TO BE FIELD FORMED WITH CLOSURE TURF.
5. FOR ARMORING AND COVER DETAILS SEE SHEET 12.

REFERENCES

1. THE AS-BUILT TOPOGRAPHY, AND CONTOUR ELEVATIONS ARE BASED ON LIDAR DATA AND SUPPLEMENTAL GROUND RUN TOPOGRAPHY BY METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 03/21/2024.

0 100 200
1" = 100' FEET

06/2025
ISSUED FOR PERMITTING

CLIENT
SOUTHERN COMPANY SERVICES

Southern Company

PROJECT
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS

Georgia Power

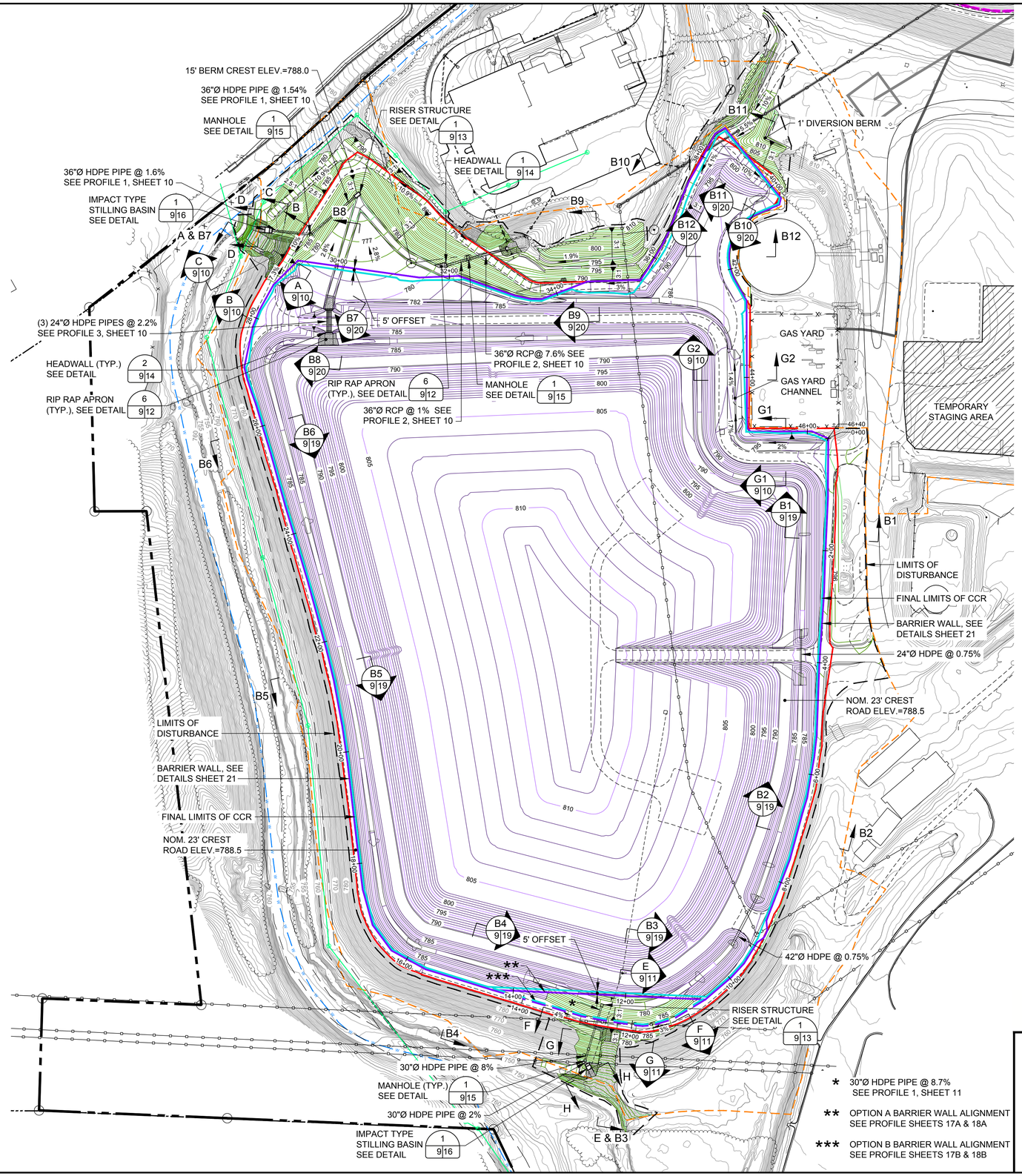
TITLE
FINAL COVER ARMORING PLAN

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

CONSULTANT
wsp

YYYY-MM-DD	2025-06-06
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO.	PROJECT ID	REV.	SHEET
1777449	MCD15017	0	8



LEGEND

- EXISTING CONTOURS
- PROPERTY BOUNDARY (SEE REFERENCE 1)
- PROPOSED PERMIT BOUNDARY
- FINAL LIMITS OF CCR
- SANITARY SEWER LINE
- EXISTING WATER LINE (AS NOTED)
- EXISTING GAS LINE
- EXISTING OVERHEAD ELECTRIC LINE
- BARRIER WALL ALIGNMENT
- EX. STORMWATER LINE
- FINAL CLOSURE CONTOURS
- FINAL CONTOURS
- FINAL LIMITS OF LINER

REFERENCES

1. THE EXISTING TOPOGRAPHY, AND CONTOUR ELEVATIONS ARE BASED ON LIDAR DATA AND SUPPLEMENTAL GROUND RUN TOPOGRAPHY BY METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 03/21/2024.

NOTES

1. EXISTING TOPOGRAPHIC CONTOUR INTERVAL = 1 FOOT.

* 30"Ø HDPE PIPE @ 8.7% SEE PROFILE 1, SHEET 11

** OPTION A BARRIER WALL ALIGNMENT SEE PROFILE SHEETS 17A & 18A

*** OPTION B BARRIER WALL ALIGNMENT SEE PROFILE SHEETS 17B & 18B

GEORGIA REGISTERED No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

06/2025
ISSUED FOR PERMITTING

CLIENT
SOUTHERN COMPANY SERVICES

Southern Company

PROJECT
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS

Georgia Power

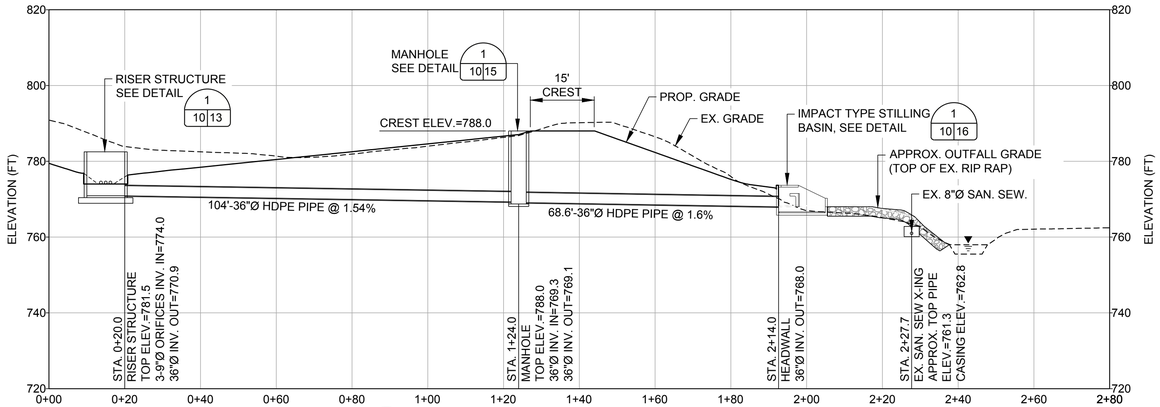
TITLE
FINAL GRADING PLAN

CONSULTANT

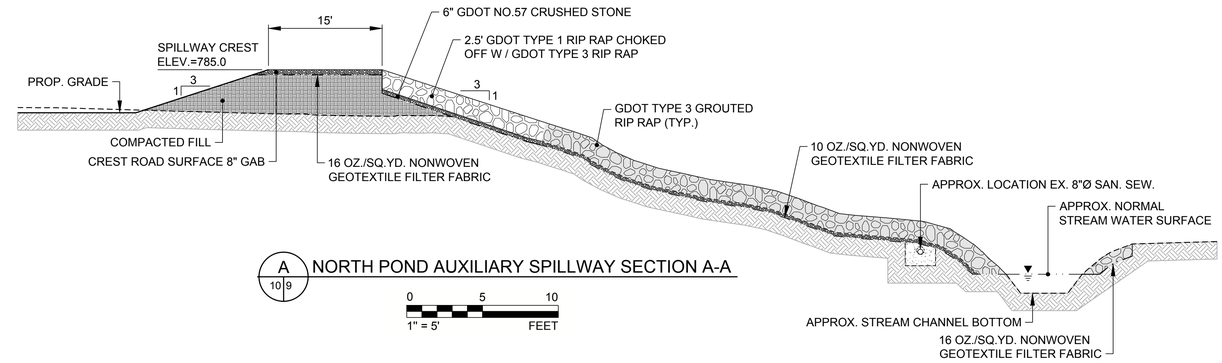
wsp

YYYY-MM-DD	2025-06-06
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

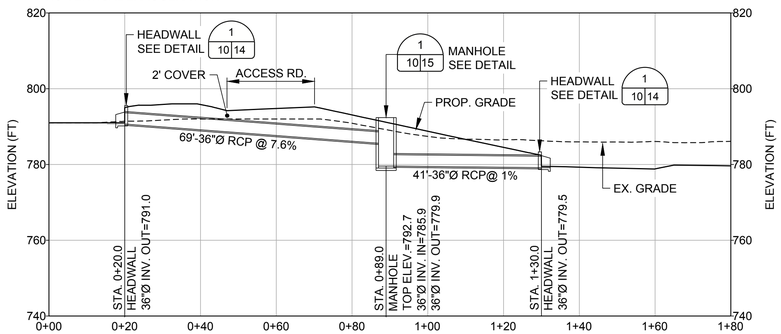
PROJECT NO.	PROJECT ID	REV.	SHEET
1777449	MCD15017	0	9



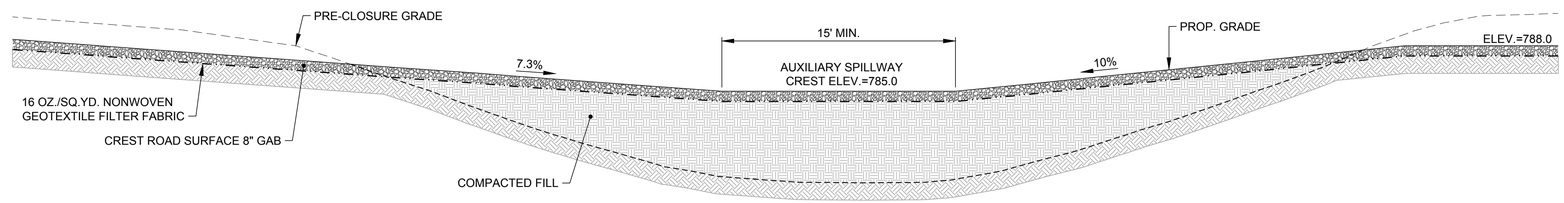
1 10|9 NORTH POND PRINCIPAL SPILLWAY PROFILE



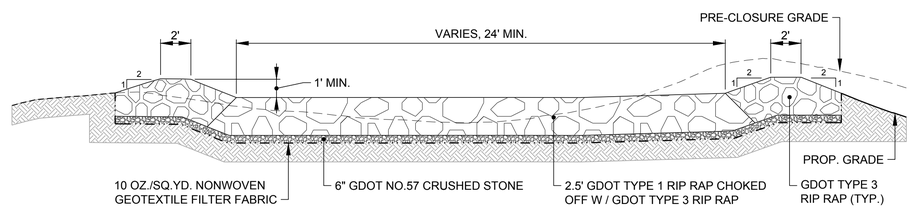
A 10|9 NORTH POND AUXILIARY SPILLWAY SECTION A-A



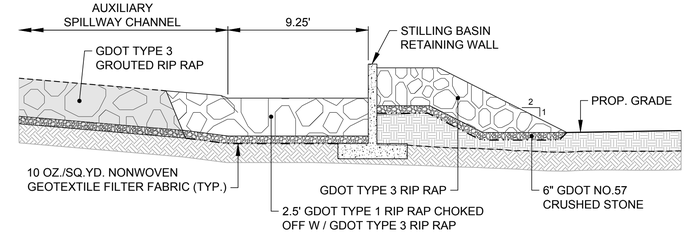
2 10|9 NORTH POND INLET PROFILE



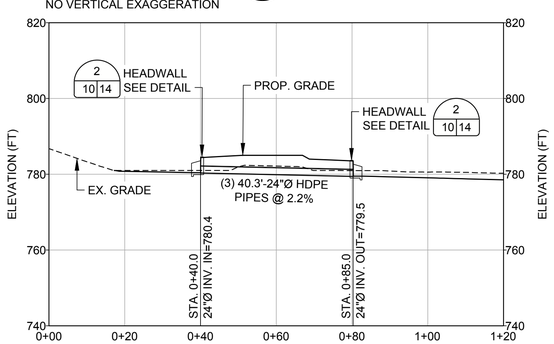
B 10|9 NORTH POND AUXILIARY SPILLWAY SECTION B-B



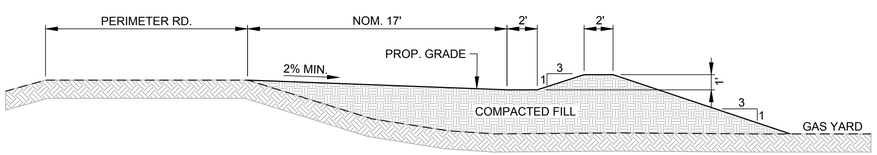
C 10|9 NORTH POND AUXILIARY SPILLWAY SECTION C-C



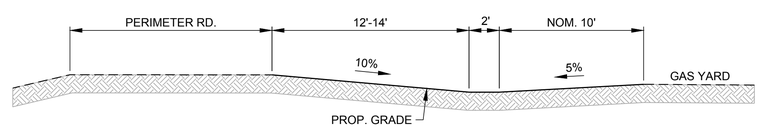
D 10|9 NORTH POND AUXILIARY SPILLWAY SECTION D-D



3 10|9 NORTH POND BERM CROSSING PROFILE



G1 10|9 GAS YARD CHANNEL - SECTION G1-G1



G2 10|9 GAS YARD CHANNEL - SECTION G2-G2

06/2025

ISSUED FOR PERMITTING

CLIENT
SOUTHERN COMPANY SERVICES

Southern Company

PROJECT
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS

Georgia Power

TITLE
NORTH POND PROFILES & SECTIONS

GEORGIA REGISTERED No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

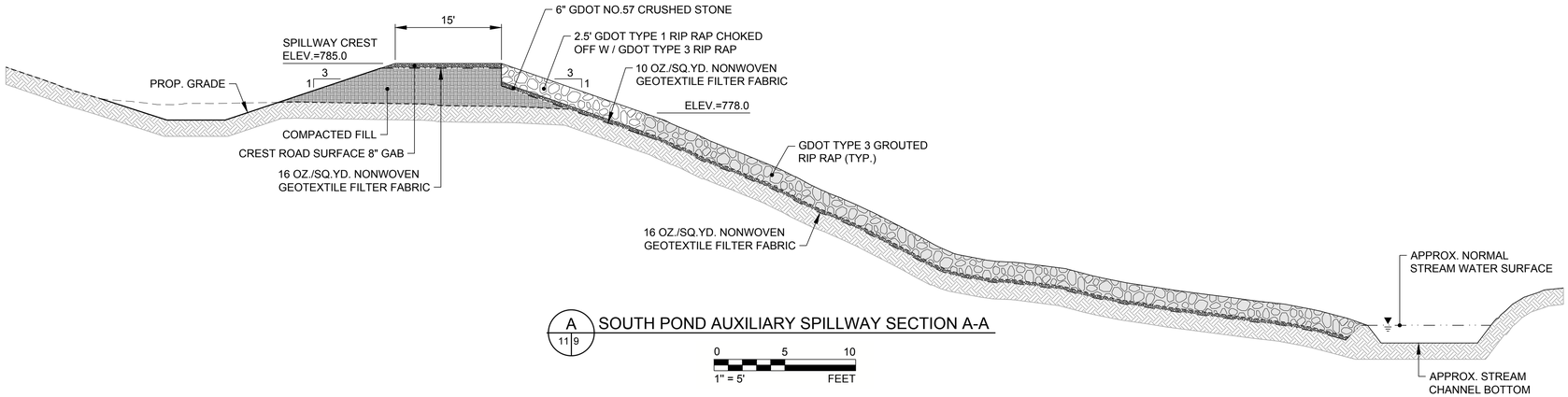
CONSULTANT

YYYY-MM-DD	2025-06-06
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO.	PROJECT ID	REV.	SHEET
1777449	MCD15017	0	10

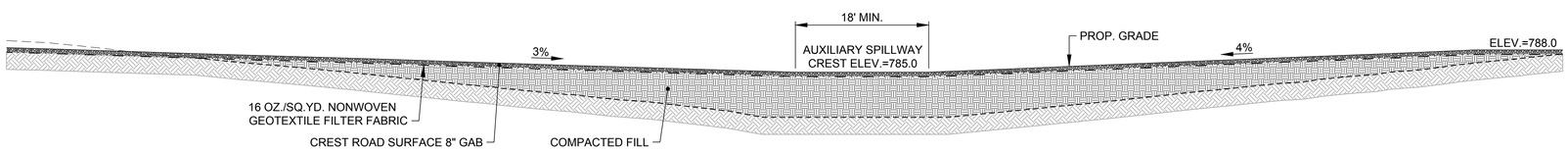
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D

Path: \\corp.pbwan.net\US\Central\Data\USATL700\Cadd\Southern Company\1777449 Plant McDonough Permitting\AP-1 AE\PERMIT\PRODUCTION\ | File Name: 1777449 9-11 PERMIT-FINAL PLAN-PROF.dwg



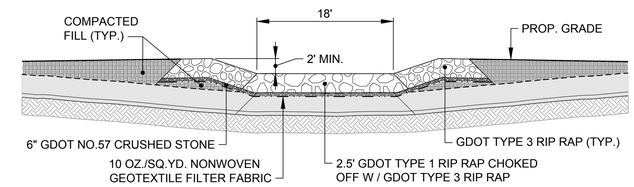
A 11|9 SOUTH POND AUXILIARY SPILLWAY SECTION A-A

0 5 10
1" = 5' FEET



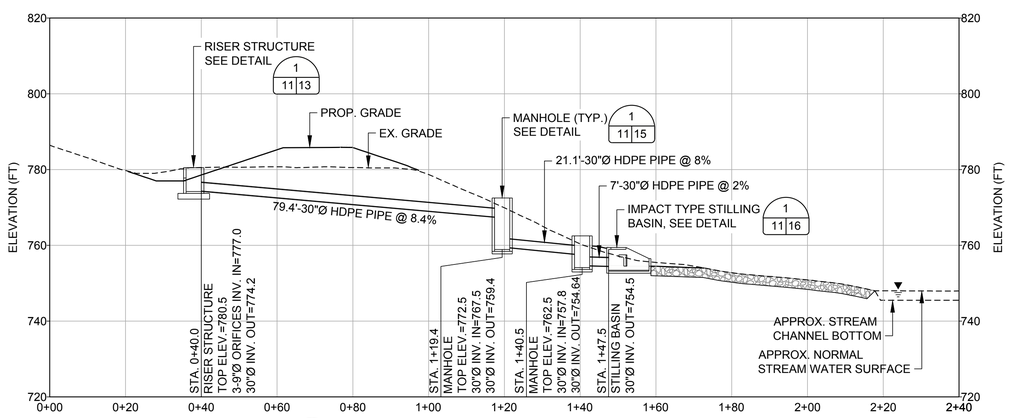
B 11|9 SOUTH POND AUXILIARY SPILLWAY SECTION B-B

0 5 10
1" = 5' FEET



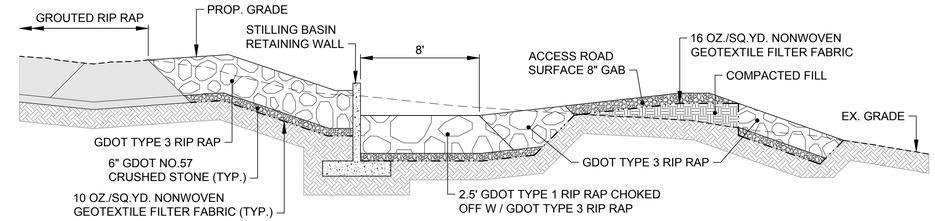
C 11|9 SOUTH POND AUXILIARY SPILLWAY SECTION C-C

0 10 20
1" = 10' FEET



1 11|9 SOUTH POND PRINCIPAL SPILLWAY PROFILE

0 20 40
1" = 20' FEET
NO VERTICAL EXAGGERATION



D 11|9 SOUTH POND AUXILIARY SPILLWAY SECTION D-D

0 5 10
1" = 5' FEET

06/2025
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CLIENT
SOUTHERN COMPANY SERVICES

Southern Company

PROJECT
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS

Georgia Power

TITLE
SOUTH POND PROFILES & SECTIONS

GEORGIA REGISTERED No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER
7-7-2025

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CONSULTANT
wsp

YYYY-MM-DD	2025-06-06
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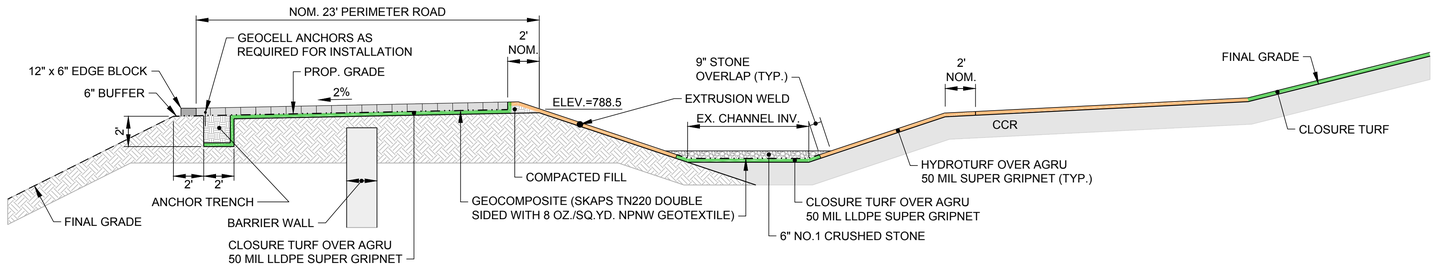
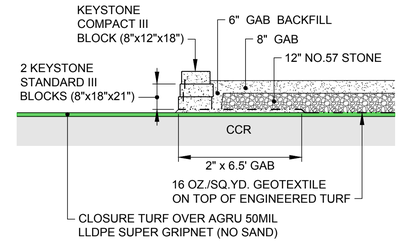
PROJECT NO.	PROJECT ID	REV.	SHEET
1777449	MCD15017	0	11

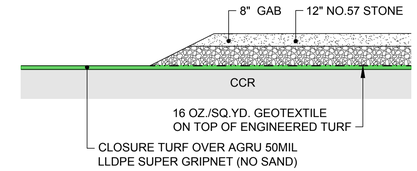


1 / 12|8 PERIMETER ROAD & CHANNEL

0 5 10
1" = 5' FEET



BLOCK EDGE

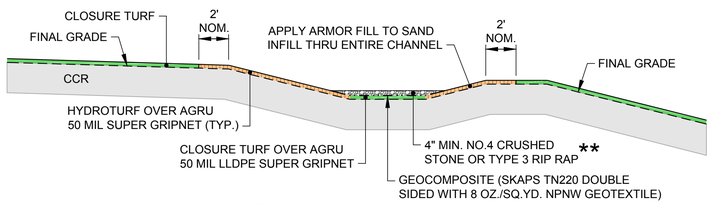


SLOPED EDGE

12 / 12|12 EDGE DETAIL

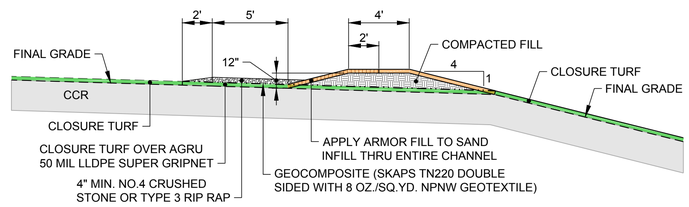
0 4 8
1" = 4' FEET

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



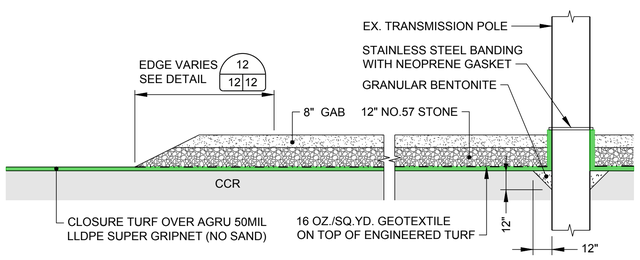
2 / 12|8 TOP OF SLOPE DIVERSION

0 5 10
1" = 5' FEET



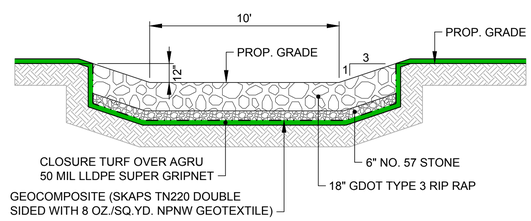
3 / 12|8 TOP OF SLOPE DIVERSION CONNECTION

0 5 10
1" = 5' FEET



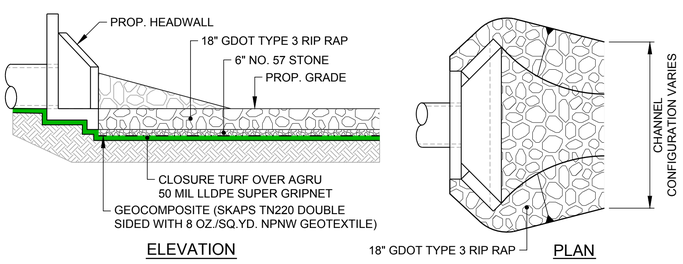
4 / 12|8 GRAVEL ROAD & TRANSMISSION PAD

0 4 8
1" = 4' FEET



5 / 12|8 TYPE 3 RIP RAP CHANNEL OVER CLOSURE TURF

0 4 8
1" = 4' FEET

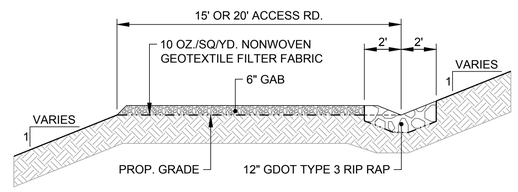


ELEVATION

PLAN

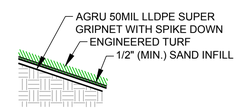
6 / 12|8 RIP RAP APRON

NTS



7 / 12|8 GRAVEL ROAD OUTSIDE OF CLOSURE TURF

0 4 8
1" = 4' FEET



8 / 12|8 CLOSURETURF FINAL COVER WITH SUPER GRIPNET DETAIL

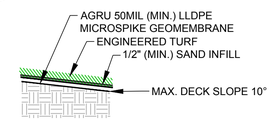
NTS

9 / 12|8 HYDROTURF FINAL COVER DETAIL

NTS

10 / 12|8 CLOSURETURF FINAL COVER WITH ARMORFILL E APPLICATION

NTS



11 / 12|8 CLOSURETURF FINAL COVER WITH MICROSPIKE DETAIL

NTS

06/2025

ISSUED FOR PERMITTING

CLIENT
SOUTHERN COMPANY SERVICES

Southern Company

PROJECT
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS

Georgia Power

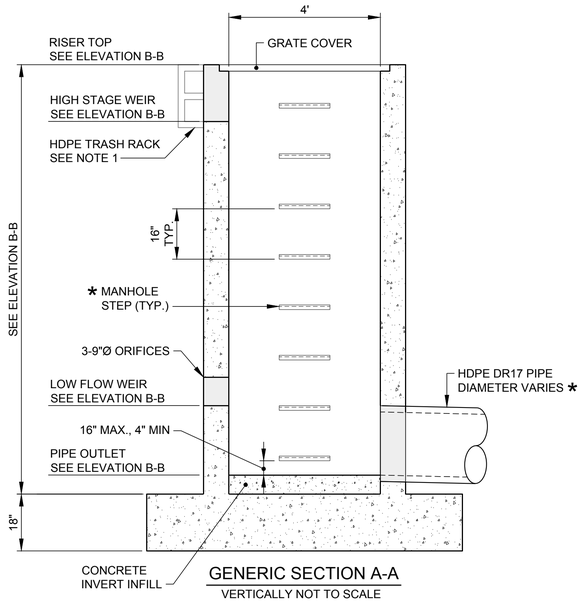
TITLE
COVER SYSTEM DETAILS

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

CONSULTANT
wsp

YYYY-MM-DD	2025-06-06
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

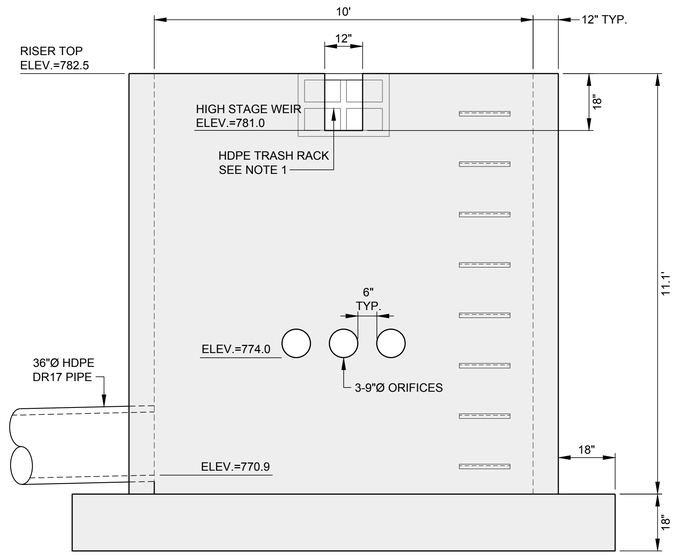
PROJECT NO.	PROJECT ID	REV.	SHEET
1777449	MCD15017	0	12



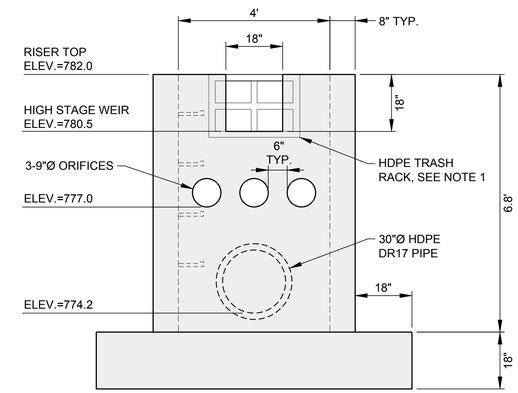
GENERIC SECTION A-A

VERTICALLY NOT TO SCALE

* LOCATIONS OF HDPE PIPE AND MANHOLE STEPS VARY, SEE ELEVATION B-B



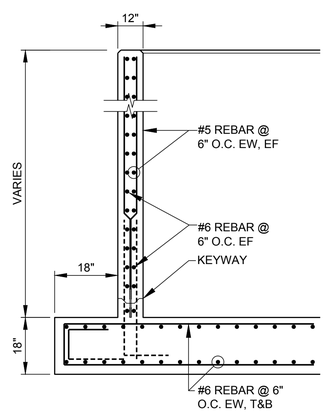
ELEVATION B-B - NORTH POND



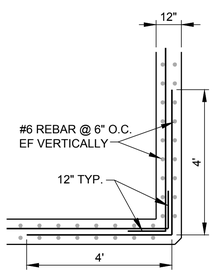
ELEVATION B-B - SOUTH POND

NOTES

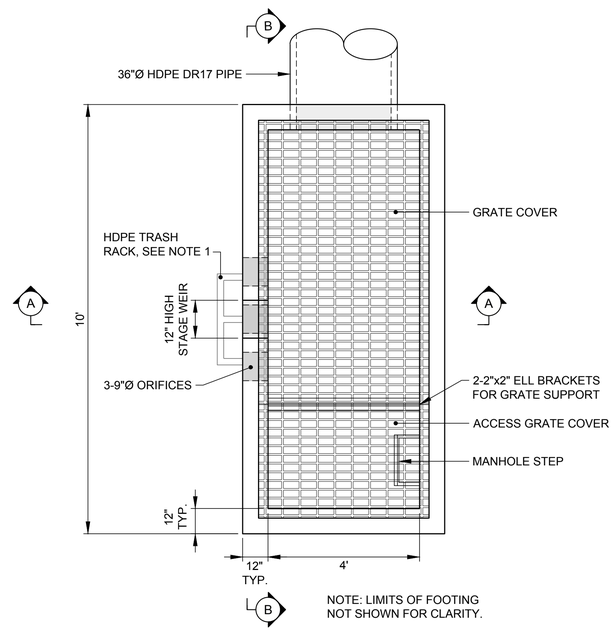
1. HDPE TRASH RACK AS SPECIFIED BY "PLASTIC SOLUTIONS INC.", OR APPROVED EQUIVALENT.
2. ALL CONCRETE TO BE 5000 PSI. ALL REINFORCEMENT SHALL BE GRADE 60.
3. ALL EXPOSED EDGES SHALL HAVE A MINIMUM ONE INCH CHAMFER.
4. REBAR SHALL HAVE A 3 INCH CONCRETE COVER WHEN POURED AGAINST GROUND SURFACE AND A 2 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. HOLES CUT AFTER CASTING SHALL COMPLETE REBAR MAPPING TO AVOID CUTTING REBAR.



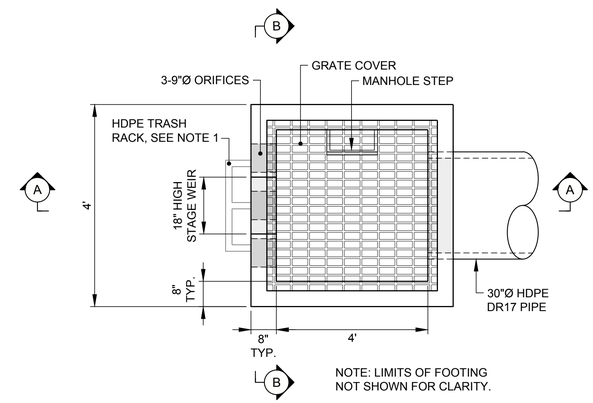
TYPICAL REINFORCEMENT SECTION



TYPICAL WALL CORNER REINFORCEMENT - PLAN



PLAN - NORTH POND



PLAN - SOUTH POND

1 / 13 9 — RISER STRUCTURE DETAILS

10, 11

NTS

06/2025

ISSUED FOR PERMITTING

CLIENT
SOUTHERN COMPANY SERVICES

Southern Company

PROJECT
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS

Georgia Power

TITLE
STORMWATER MANAGEMENT DETAILS - SHEET 1

GEORGIA REGISTERED No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CONSULTANT

YYYY-MM-DD	2025-06-06
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
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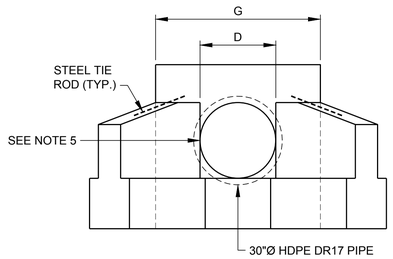
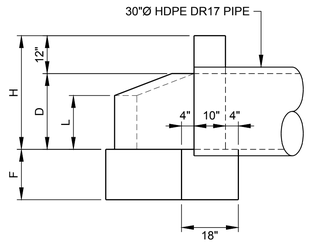
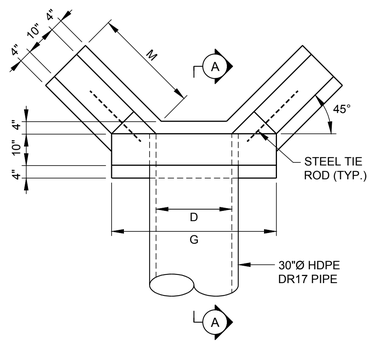
PROJECT NO.	PROJECT ID	REV.	SHEET
1777449	MCD15017	0	13



FRONT ELEVATION



SECTION A-A



PLAN

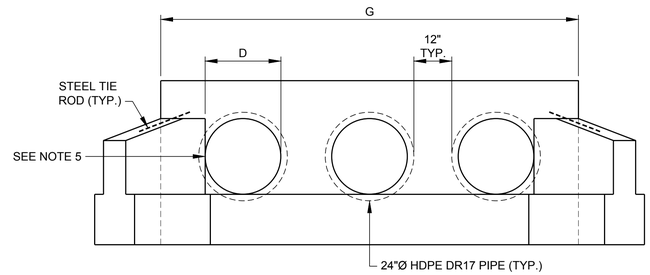
NOTES

1. ALL CONCRETE SHALL BE 5000 PSI, UNLESS OTHERWISE NOTED.
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. IF PIPE HAS NEITHER A GROOVE NOR A SPIGOT AT ITS INLET, AN INLET BEVEL WILL BE REQUIRED.

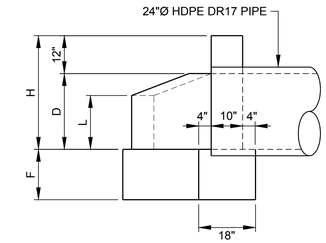
HEADWALL DIMENSIONS						HEADWALL QUANTITIES			
PIPE DIAMETER D	H	G	L	M	F	CONCRETE CU. FT.			STEEL TIE RODS
						WALL	FOOT	WALL	
36"Ø RCP	4'-0"	5'-4"	2'-1"	4'-3"	1'-8"	22.9	24.4	47.3	(2) - #6 REBAR x 2'

1 (14 | 9 | 10) HEADWALL DETAILS

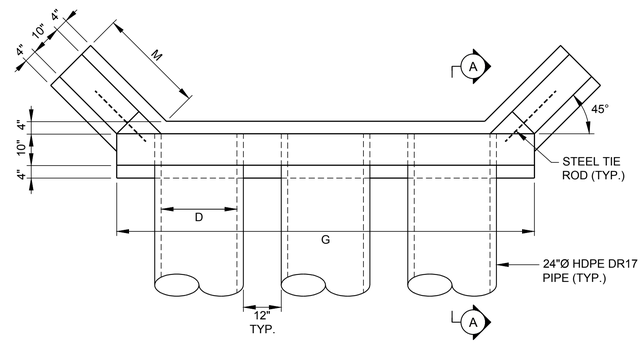
NTS



FRONT ELEVATION



SECTION A-A



PLAN

NOTES

1. ALL CONCRETE SHALL BE 5000 PSI, UNLESS OTHERWISE NOTED.
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. IF PIPE HAS NEITHER A GROOVE NOR A SPIGOT AT ITS INLET, AN INLET BEVEL WILL BE REQUIRED.

HEADWALL DIMENSIONS						HEADWALL QUANTITIES			
PIPE DIAMETER D	H	G (MIN.)	L	M	F	CONCRETE CU. FT. (MIN.)			STEEL TIE RODS
						WALL	FOOT	WALL	
21.18" (24" HDPE)	3'-0"	11'-1/2"	1'-5"	2'-10"	1'-4"	27.7	29.8	57.5	(2) - #6 REBAR x 2'

2 (14 | 9 | 10, 11) TRIPLE PIPE HEADWALL DETAILS

NTS

06/2025

ISSUED FOR PERMITTING

CLIENT
SOUTHERN COMPANY SERVICES

Southern Company

PROJECT
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS

Georgia Power

TITLE
STORMWATER MANAGEMENT DETAILS - SHEET 2

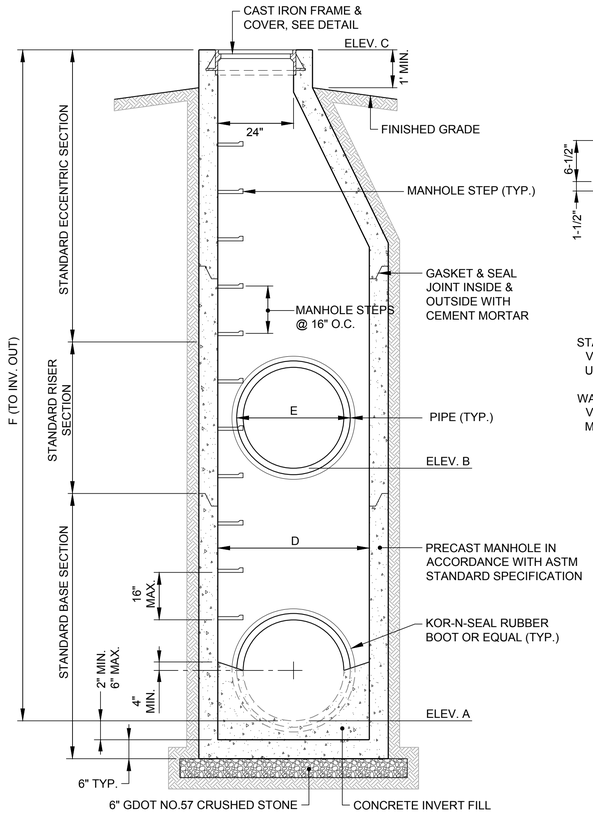
GEORGIA REGISTERED No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER
26 June 2025

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

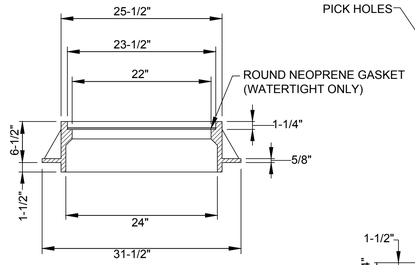
CONSULTANT

YYYY-MM-DD	2025-06-06
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO.	PROJECT ID	REV.	SHEET
1777449	MCD15017	0	14



SECTION

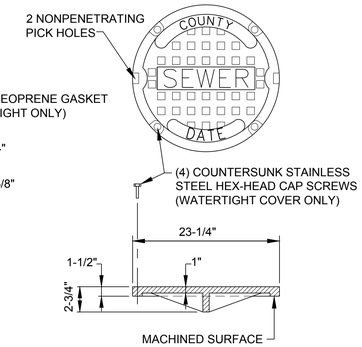


FRAME

200 LBS. MIN. WEIGHT

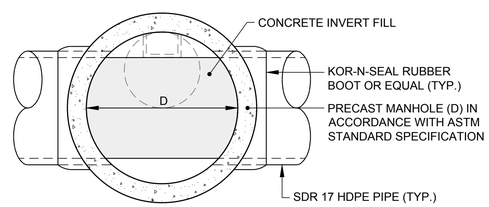
STANDARD FRAME & COVER:
VULCAN VM-3 MODEL, U.S. FOUNDRY MODEL USF-360E OR APPROVED EQUAL.

WATERTIGHT FRAME & COVER:
VULCAN VM-3 MODEL WT., U.S. FOUNDRY MODEL USF-360E/WT OR APPROVED EQUAL.



COVER

120 LBS. MIN. WEIGHT



PLAN

MANHOLE SCHEDULE						
MANHOLE I.D.	ELEV. A INV. OUT	ELEV. B INV. IN	ELEV. C TOP	D MANHOLE DIA.	F MANHOLE DEPTH	E PIPE DIA.
N1	769.1	769.3	788.0	5'	18.9'	36" HDPE
LD	779.9	785.9	792.7	5'	12.8'	36" RCP
S1	759.4	767.5	772.5	4'	13.1'	30" HDPE
S2	754.64	757.8	762.5	4'	7.86'	30" HDPE

N - NORTH POND
LD-LAB CHANNEL
S - SOUTH POND

1 / 15 9 MANHOLE DETAIL
10, 11
NTS

MANHOLE NOTES

1. FOR CONSTRUCTION OF THE MANHOLE WALLS, EITHER BRICK MASONRY OR CLASS A CONCRETE MAY BE USED. FOR CONCRETE THE WALLS ARE TO BE 6" THICK WITH A REINFORCING STEEL AREA OF 0.20% x GROSS AREA. FOR BRICK, THE WALLS ARE TO BE 8" THICK.

2. THE BOTTOM SLAB OF THE BOX SHALL BE A MINIMUM OF 6" THICK CLASS A CONCRETE WITH A REINFORCING STEEL AREA OF 0.20% x GROSS AREA. WIRE MESH MAY BE USED IN LIEU OF STEEL BARS PROVIDED A MINIMUM STEEL AREA IS MET.

3. FOR CONSTRUCTION OF THE MANHOLE LID, CLASS AA OR BETTER CONCRETE SHALL BE USED WITH REINFORCING STEEL AS SHOWN.

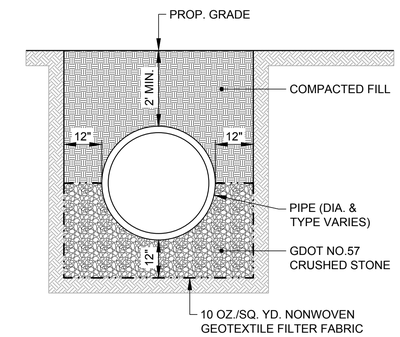
4. MORTAR SHALL BE TYPE S OR M.

5. IF DESIRED THESE ITEMS MAY BE PRECAST PRIOR TO INSTALLATION LIEU OF BEING CAST IN PLACE. THE USE OF PRECAST UNITS WILL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF OBTAINING SATISFACTORY INSTALLATIONS.

6. REINFORCING STEEL SHALL BE DEFORMED AND SHALL CONFORM TO AASHTO M 31, GRADE 60. WIRE MESH SHALL CONFORM TO AASHTO M 55 AND M 221.

7. IF STRUCTURE DEPTH EXCEEDS 4'-6", METAL STEPS ARE TO BE PLACED ON THE WALL.

8. THE NUMBER OF BOX OPENINGS SHALL BE CONSTRUCTED AS DIRECTED BY THE ENGINEER, TO FIT FIELD CONDITIONS.



2 / 15 9 PIPE BEDDING DETAIL
NTS

06/2025
ISSUED FOR PERMITTING

CLIENT
SOUTHERN COMPANY SERVICES

Southern Company

PROJECT
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS

Georgia Power

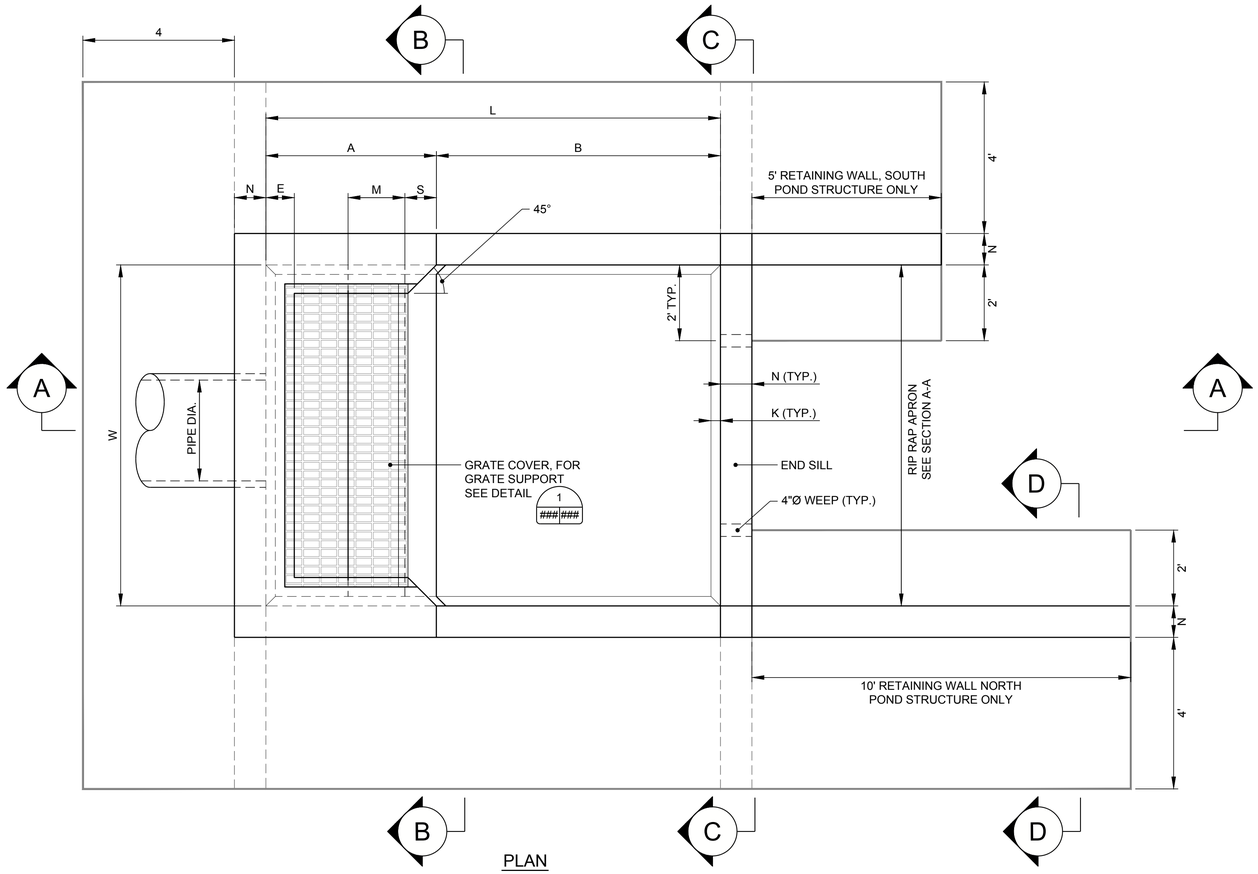
TITLE
STORMWATER MANAGEMENT DETAILS - SHEET 3

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

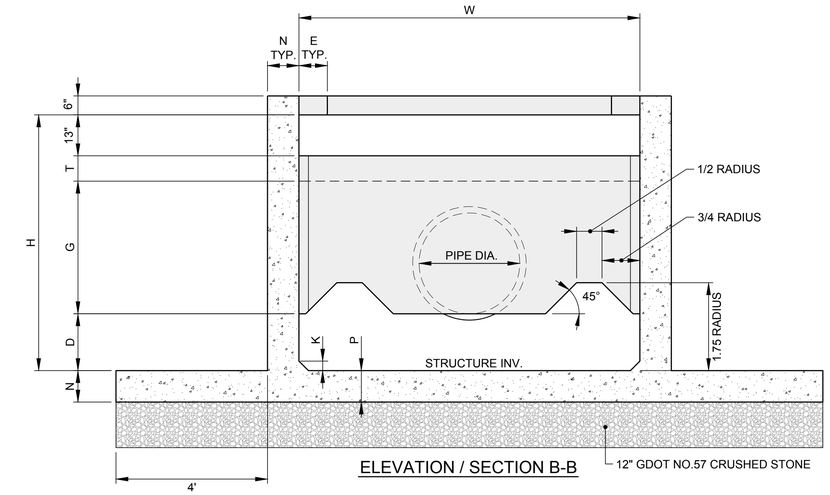
CONSULTANT
wsp

YYYY-MM-DD	2025-06-06
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

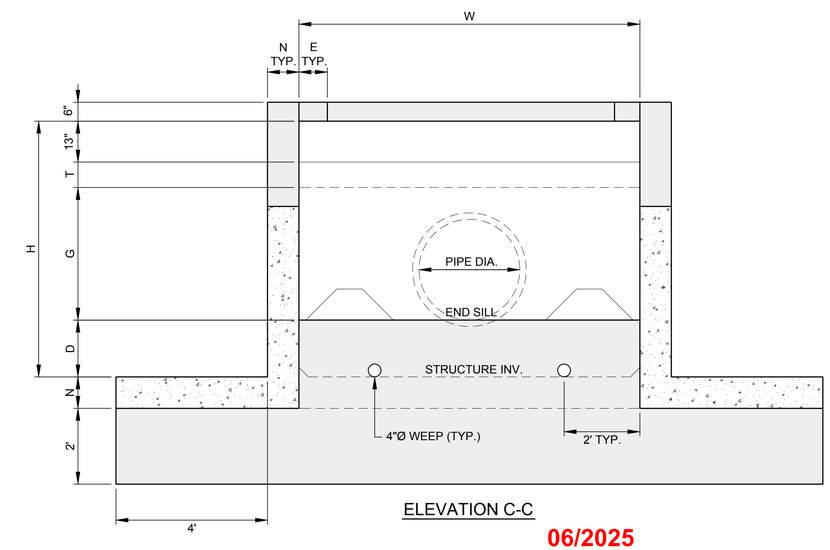
PROJECT NO.	PROJECT ID	REV.	SHEET
1777449	MCD15017	0	15



PLAN



ELEVATION / SECTION B-B

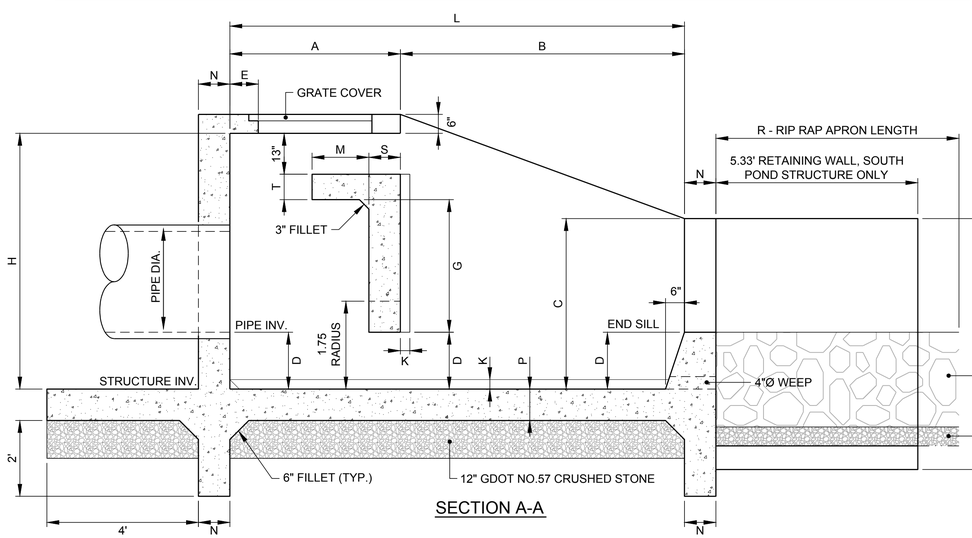


ELEVATION C-C

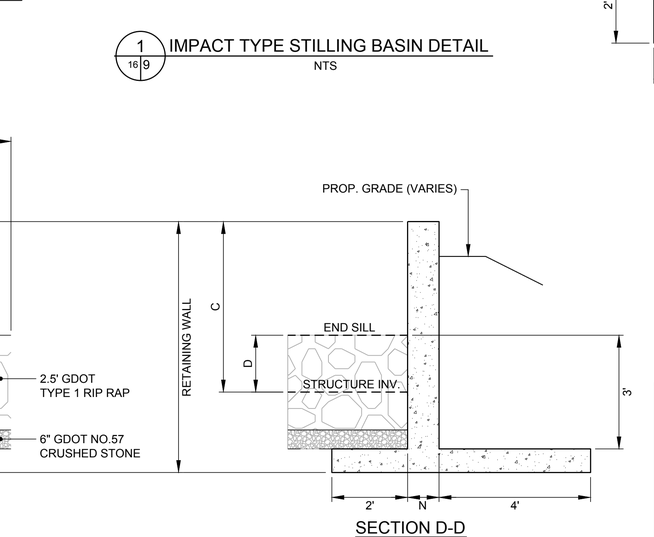
IMPACT STILLING BASIN DIMENSIONS																		
STRUCTURE LOCATION	PIPE DIAMETER D	W	H	L	A	B	C	D	E	F	G	M	N	P	S	T	K	R	CONCRETE CY. (NOM.)
SOUTH POND	26.47" (30" HDPE)	DIMENSION TO BE FINALIZED PRIOR TO INSTALLATION																	
NORTH POND	31.8" (36" HDPE)																		

1 / 16 9 IMPACT TYPE STILLING BASIN DETAIL

NTS



SECTION A-A



SECTION D-D

06/2025

ISSUED FOR PERMITTING

CLIENT
SOUTHERN COMPANY SERVICES

Southern Company

PROJECT
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS

Georgia Power

TITLE
STORMWATER MANAGEMENT DETAILS - SHEET 4

GEORGIA REGISTERED No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

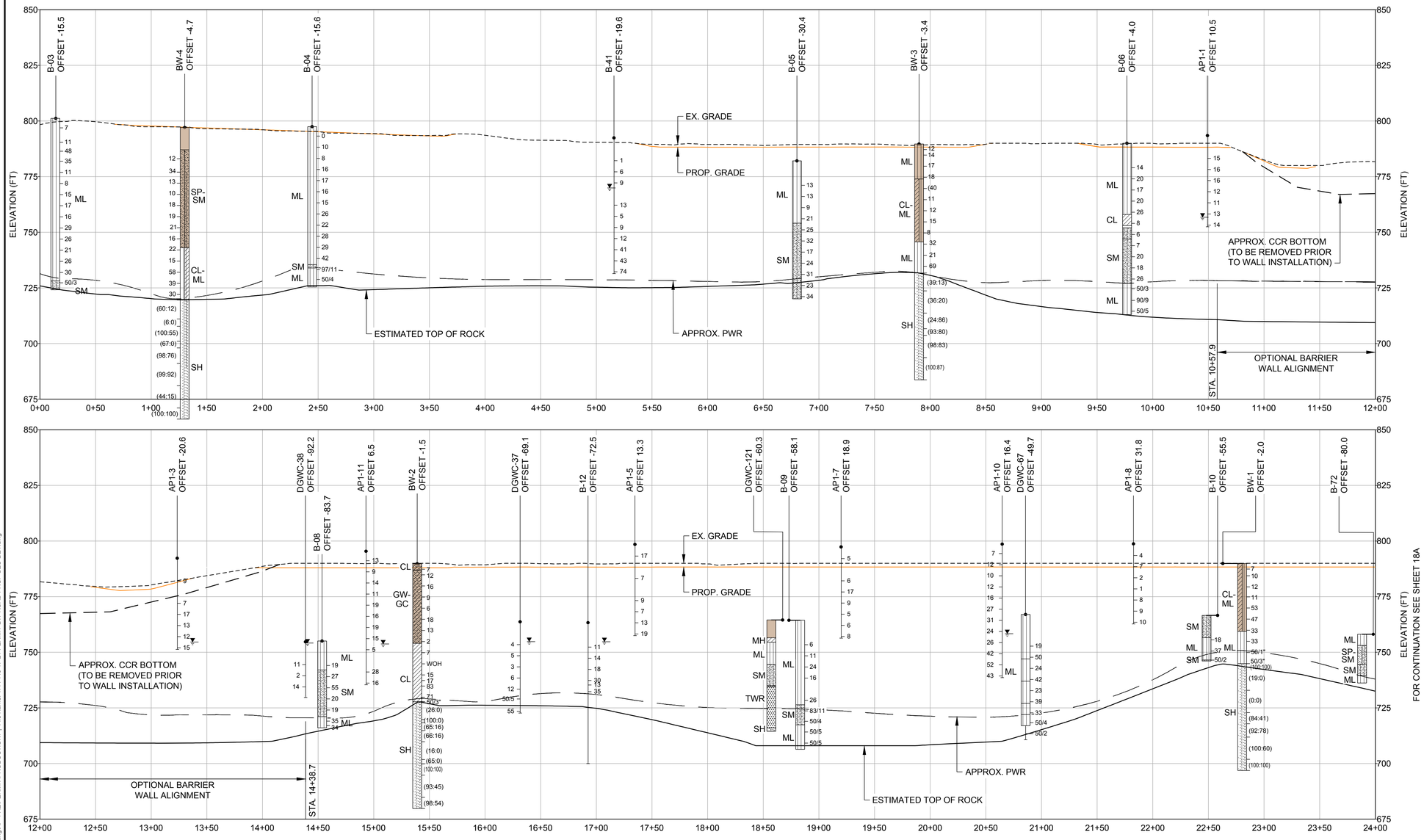
GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CONSULTANT

wsp

YYYY-MM-DD	2025-06-06
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

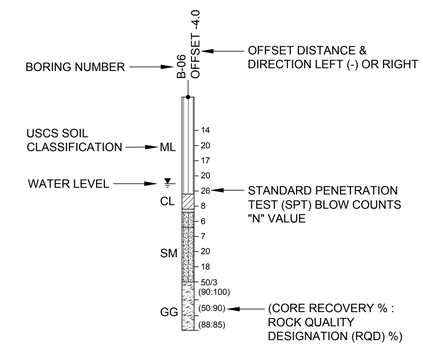
PROJECT NO.	PROJECT ID	REV.	SHEET
1777449	MCD15017	0	16



1 / 17A 9 OPTION A BARRIER WALL - PROFILE

LEGEND

- FILL
- SILTY CLAY (CL)
- SILT - CLAYEY SILT (ML)
- SILTY GRAVEL (GM)
- SILTY SAND (SM)
- SAND (SP)
- TRANSITIONALLY WEATHERED ROCK (TWR)
- SCHIST (SH)
- GENEISS (GG)



NOTE

1. THE PWR SURFACE IS INTERPOLATED FROM AVAILABLE BORINGS.
2. THE ELEVATION OF THE UPPER SURFACE OF PWR IS LIKELY TO VARY SIGNIFICANTLY OVER SHORT HORIZONTAL DISTANCES.
3. WATER LEVELS ARE REPRESENTATIVE OF JANUARY 2024 AS PRESENTED IN GROUNDWATER MONITORING PLAN, DATED JANUARY 2024.
4. SUBSURFACE BARRIER WALL ALIGNMENT OPTION A ALLOWS FOR CONSTRUCTABILITY CLEARANCE IN THE VICINITY OF EXISTING OVERHEAD ELECTRIC LINES.

06/2025

ISSUED FOR PERMITTING

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

GEORGIA REGISTERED No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
SOUTHERN COMPANY SERVICES

Southern Company

PROJECT
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS

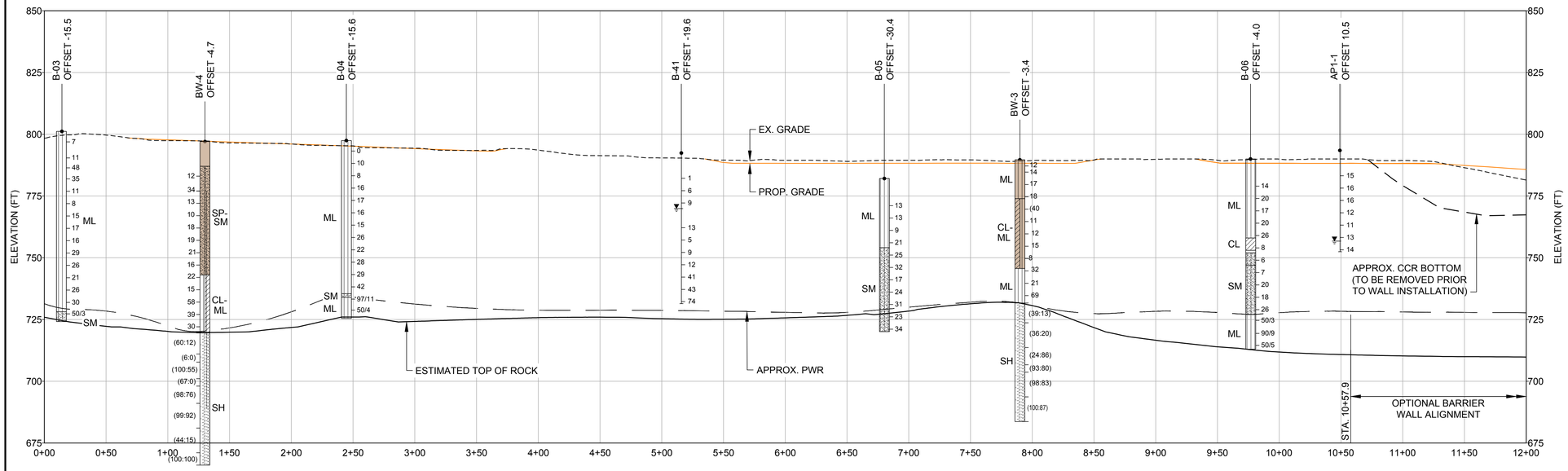
Georgia Power

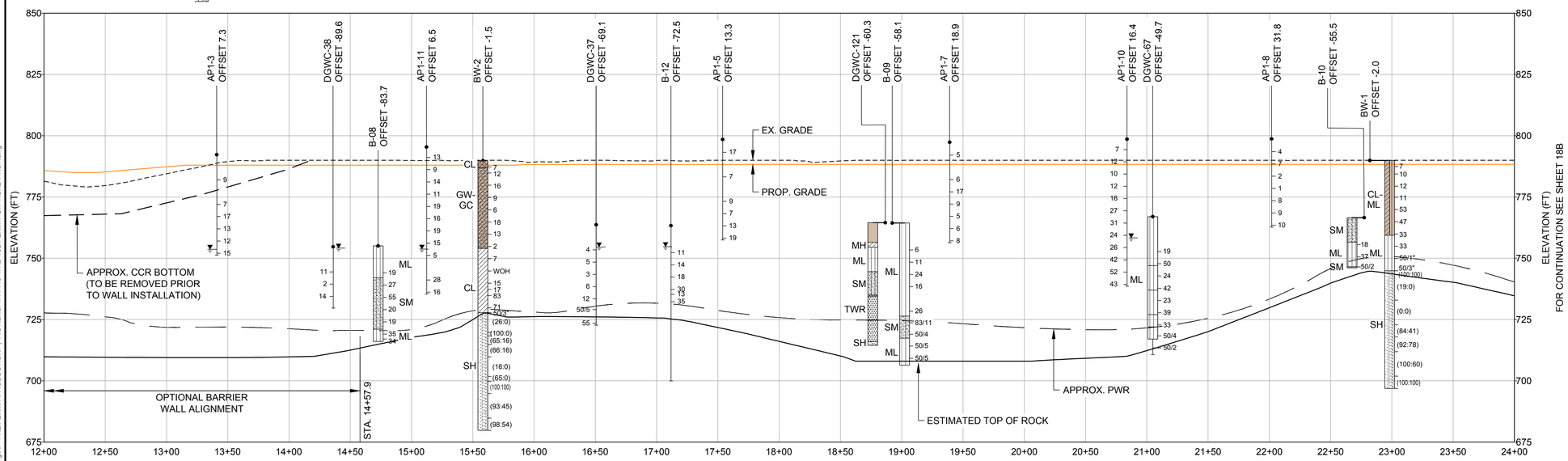
TITLE
BARRIER WALL PROFILE - SHEET 1 OPTION A

CONSULTANT
wsp

YYYY-MM-DD	2025-06-06
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO.	PROJECT ID	REV.	SHEET
1777449	MCD15017	0	17A

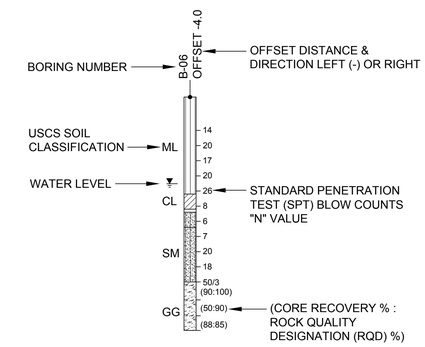




1 / 17B 9 OPTION B BARRIER WALL - PROFILE

LEGEND

- FILL
- SILTY CLAY (CL)
- SILT - CLAYEY SILT (ML)
- SILTY GRAVEL (GM)
- SILTY SAND (SM)
- SAND (SP)
- TRANSITIONALLY WEATHERED ROCK (TWR)
- SCHIST (SH)
- GENEISS (GG)



NOTE

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3. WATER LEVELS ARE REPRESENTATIVE OF JANUARY 2024 AS PRESENTED IN GROUNDWATER MONITORING PLAN, DATED JANUARY 2024.
4. SUBSURFACE BARRIER WALL ALIGNMENT OPTION B ALLOWS FOR BARRIER WALL CONSTRUCTION TECHNIQUES NOT REQUIRING BUFFER FOR VERTICAL CLEARANCE WITH RESPECT TO THE EXISTING OVERHEAD ELECTRIC LINES.

06/2025

ISSUED FOR PERMITTING

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

GEORGIA REGISTERED No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER
24-June-2025

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
SOUTHERN COMPANY SERVICES

Southern Company

PROJECT
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS

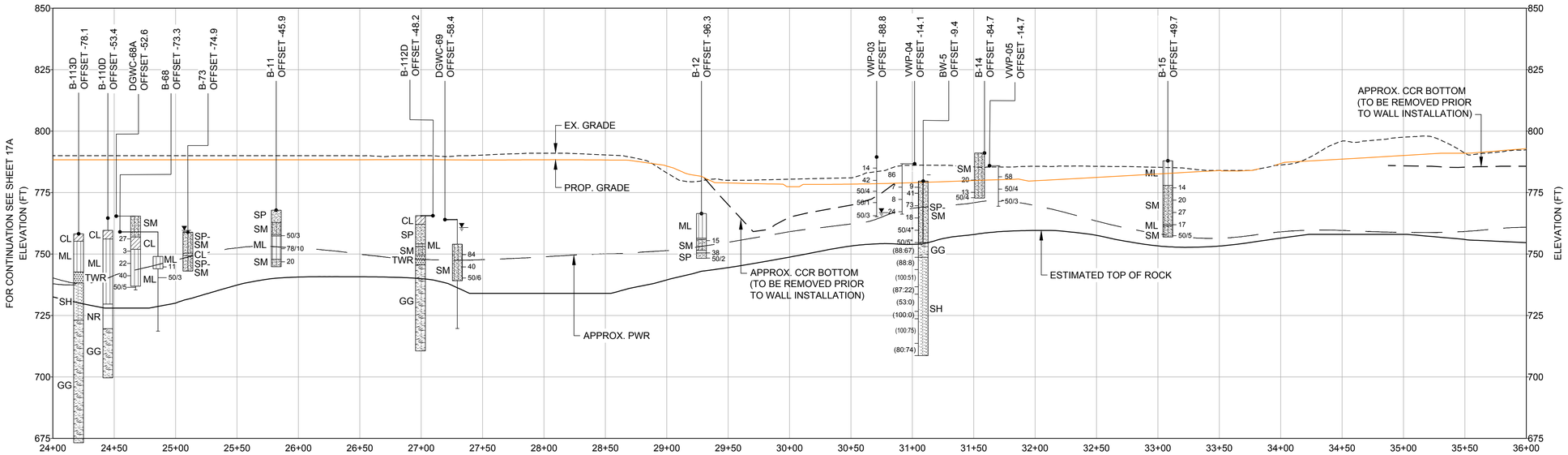
Georgia Power

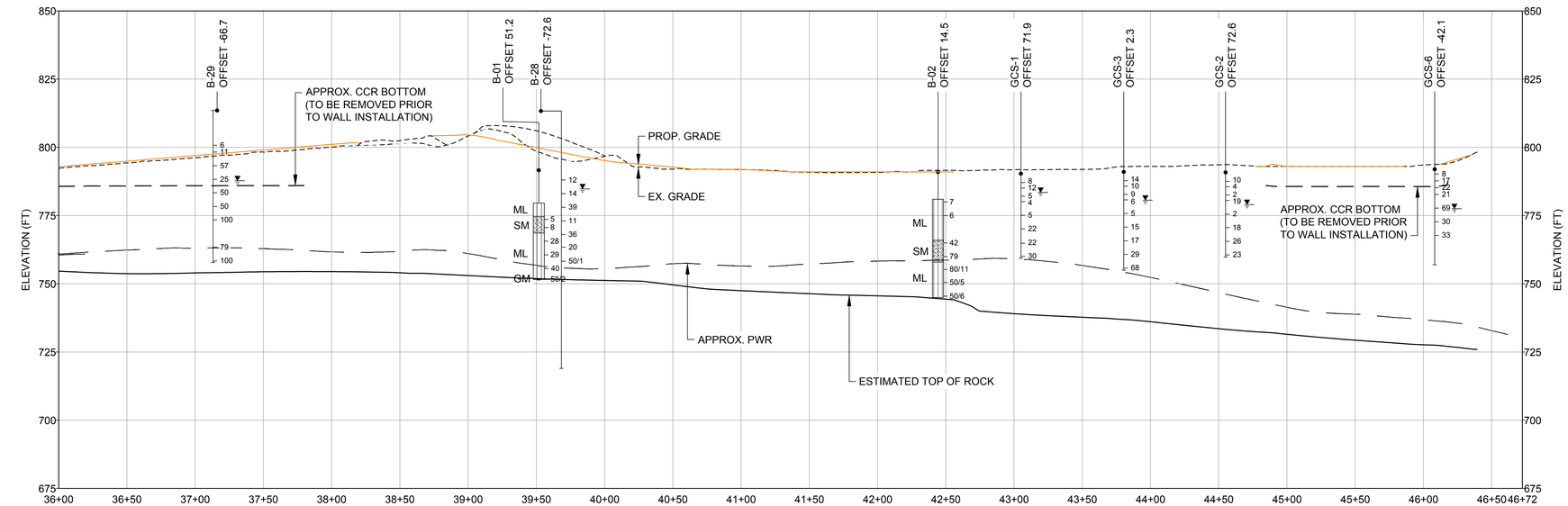
TITLE
BARRIER WALL PROFILE - SHEET 1 OPTION B

CONSULTANT
wsp

YYYY-MM-DD	2025-06-06
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO.	PROJECT ID	REV.	SHEET
1777449	MCD15017	0	17B

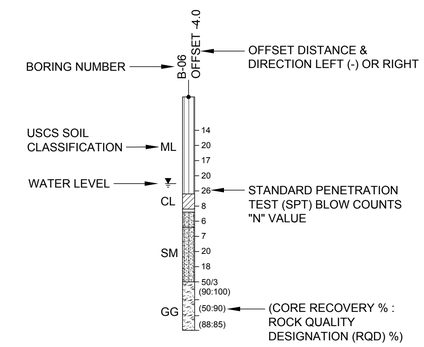




1 / 18A 9 OPTION B BARRIER WALL - PROFILE

LEGEND

- FILL
- SILTY CLAY (CL)
- SILT - CLAYEY SILT (ML)
- SILTY GRAVEL (GM)
- SILTY SAND (SM)
- SAND (SP)
- TRANSITIONALLY WEATHERED ROCK (TWR)
- SCHIST (SH)
- GENEISS (GG)



NOTE

1. THE PWR SURFACE IS INTERPOLATED FROM AVAILABLE BORINGS.

2. THE ELEVATION OF THE UPPER SURFACE OF PWR IS LIKELY TO VARY SIGNIFICANTLY OVER SHORT HORIZONTAL DISTANCES.

3. WATER LEVELS ARE REPRESENTATIVE OF JANUARY 2024 AS PRESENTED IN GROUNDWATER MONITORING PLAN, DATED JANUARY 2024.

4. SUBSURFACE BARRIER WALL ALIGNMENT OPTION A ALLOWS FOR CONSTRUCTABILITY CLEARANCE IN THE VICINITY OF EXISTING OVERHEAD ELECTRIC LINES.

06/2025

ISSUED FOR PERMITTING

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

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

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
SOUTHERN COMPANY SERVICES

Southern Company

PROJECT
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS

Georgia Power

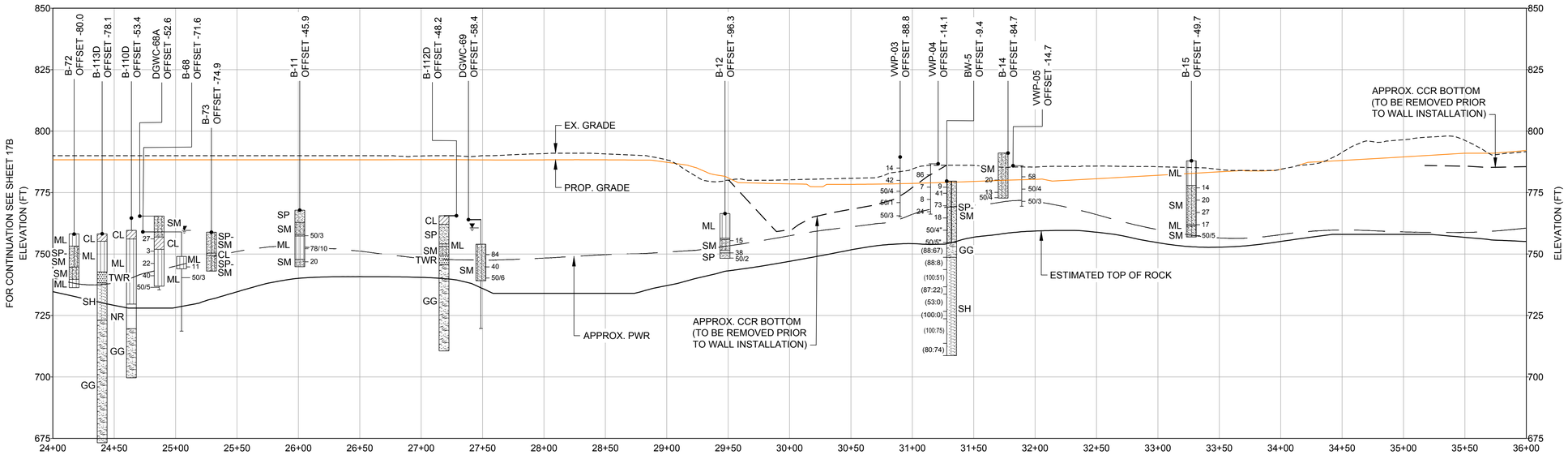
TITLE
BARRIER WALL PROFILE - SHEET 2 OPTION A

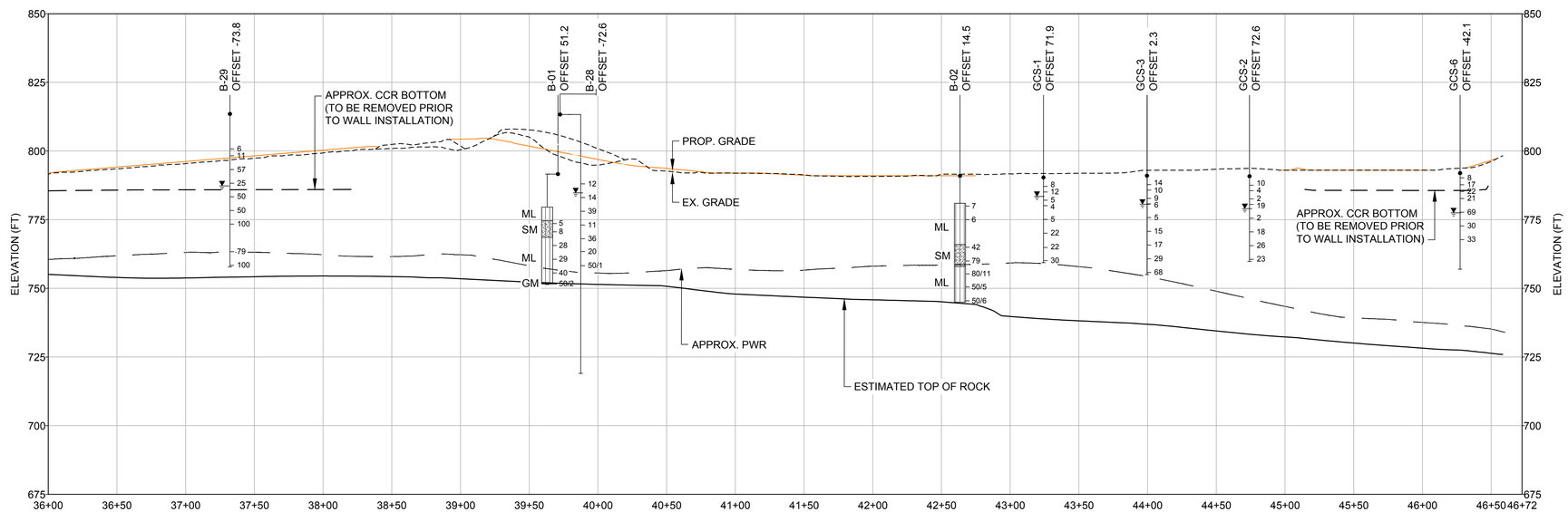
CONSULTANT

wsp

YYYY-MM-DD	2025-06-06
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO.	PROJECT ID	REV.	SHEET
1777449	MCD15017	0	18A

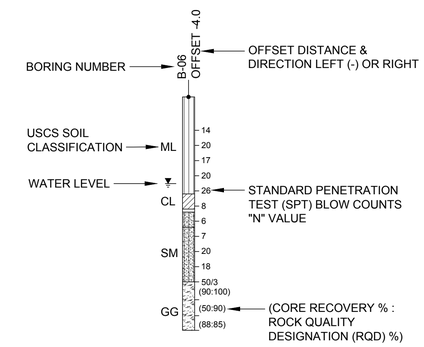




1 (18B | 9) OPTION B BARRIER WALL - PROFILE

LEGEND

- FILL
- SILTY CLAY (CL)
- SILT - CLAYEY SILT (ML)
- SILTY GRAVEL (GM)
- SILTY SAND (SM)
- SAND (SP)
- TRANSITIONALLY WEATHERED ROCK (TWR)
- SCHIST (SH)
- GENEISS (GG)



NOTE

1. THE PWR SURFACE IS INTERPOLATED FROM AVAILABLE BORINGS.

2. THE ELEVATION OF THE UPPER SURFACE OF PWR IS LIKELY TO VARY SIGNIFICANTLY OVER SHORT HORIZONTAL DISTANCES.

3. WATER LEVELS ARE REPRESENTATIVE OF JANUARY 2024 AS PRESENTED IN GROUNDWATER MONITORING PLAN, DATED JANUARY 2024.

4. SUBSURFACE BARRIER WALL ALIGNMENT OPTION B ALLOWS FOR BARRIER WALL CONSTRUCTION TECHNIQUES NOT REQUIRING BUFFER FOR VERTICAL CLEARANCE WITH RESPECT TO THE EXISTING OVERHEAD ELECTRIC LINES.

06/2025

ISSUED FOR PERMITTING

CLIENT
SOUTHERN COMPANY SERVICES

Southern Company

PROJECT
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS

Georgia Power

TITLE
BARRIER WALL PROFILE - SHEET 2 OPTION B

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

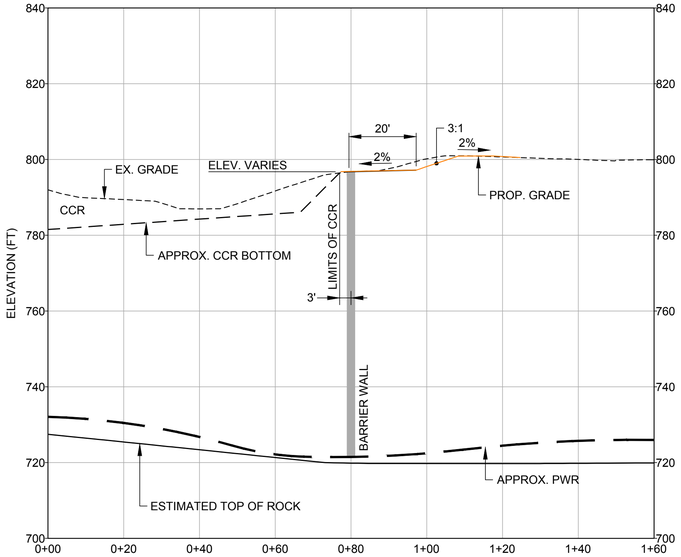
GEORGIA REGISTERED No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER
26 JUNE 2025

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

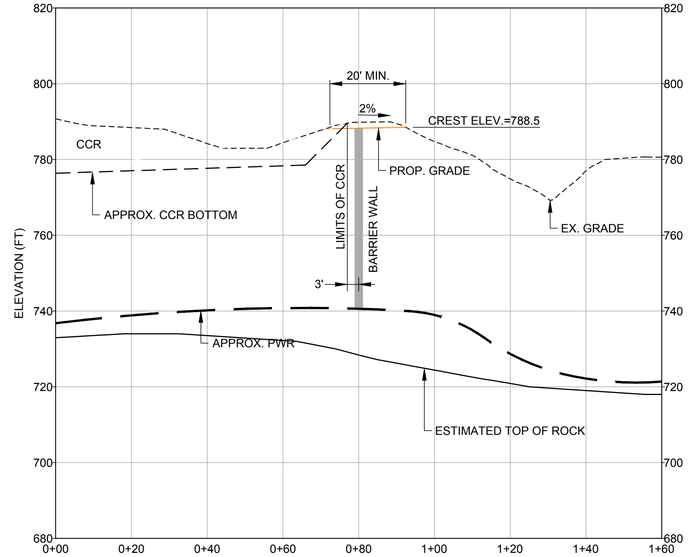
CONSULTANT
wsp

YYYY-MM-DD	2025-06-06
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

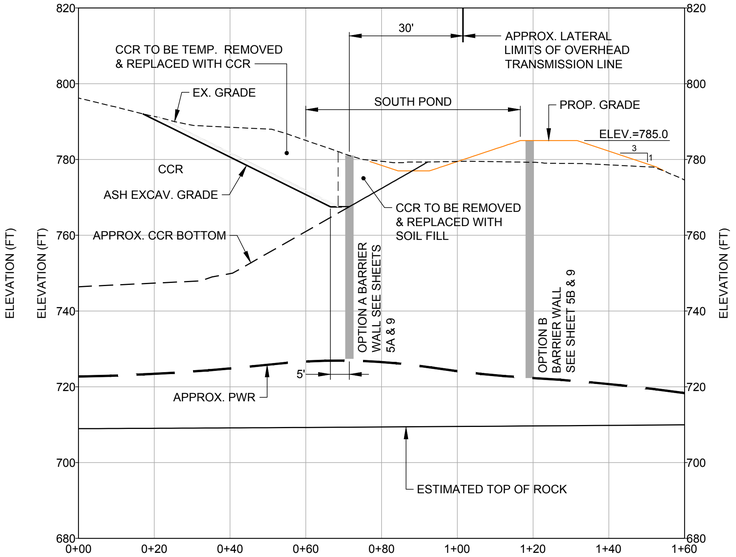
PROJECT NO.	PROJECT ID	REV.	SHEET
1777449	MCD15017	0	18B



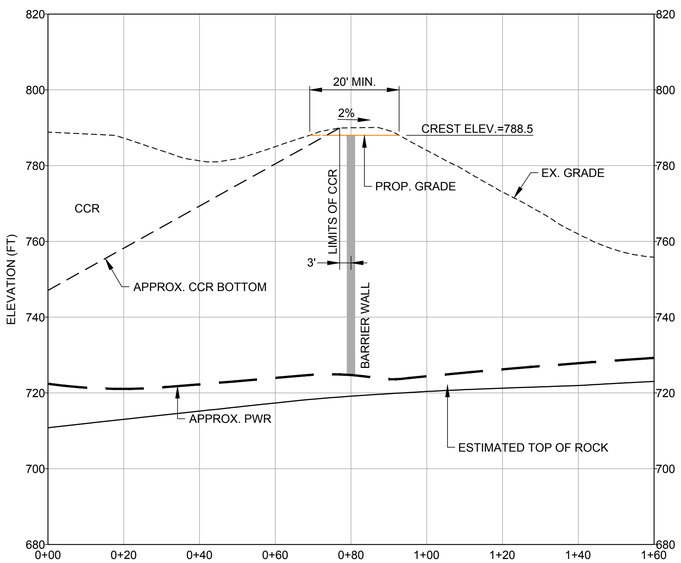
B1 / 19 9 BARRIER WALL - SECTION B1-B1



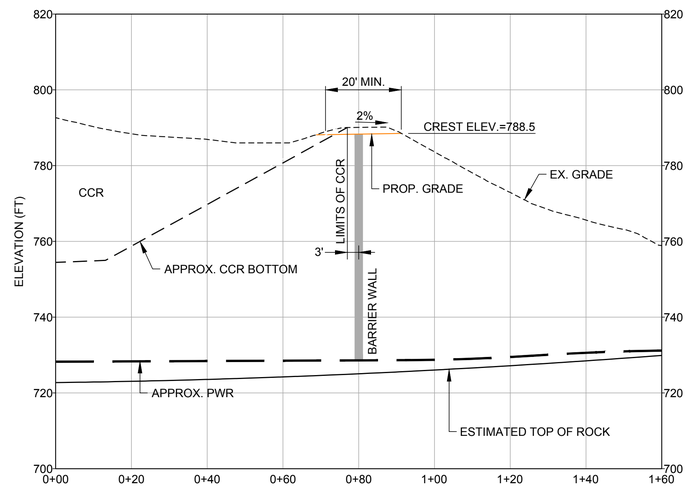
B2 / 19 9 BARRIER WALL - SECTION B2-B2



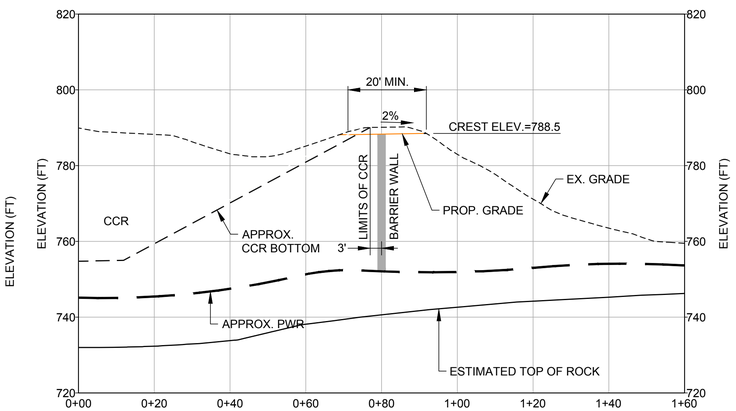
B3 / 19 9 BARRIER WALL - SECTION B3-B3



B4 / 19 9 BARRIER WALL - SECTION B4-B4



B5 / 19 9 BARRIER WALL - SECTION B5-B5



B6 / 19 9 BARRIER WALL - SECTION B6-B6

DETAIL REFERENCES

FOR FINAL COVER ARMORING SEE DETAILS SHEET 12

06/2025

ISSUED FOR PERMITTING

CLIENT
SOUTHERN COMPANY SERVICES

Southern Company

PROJECT
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS

Georgia Power

TITLE
BARRIER WALL SECTIONS - SHEET 1

0 20 40
1" = 20' FEET

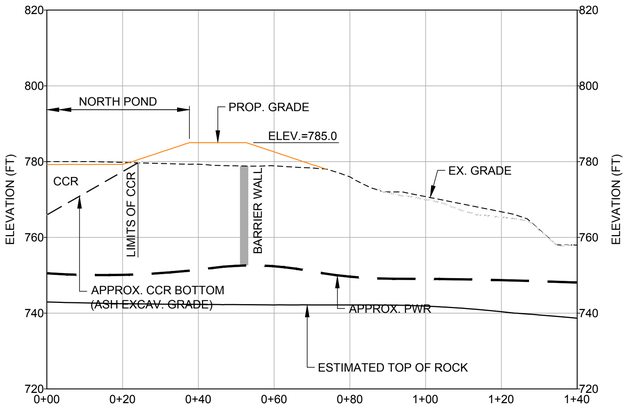
GEORGIA REGISTERED No. PE034749 PROFESSIONAL ENGINEER GREGORY L. HEBELER
Expires 30-June-2025

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

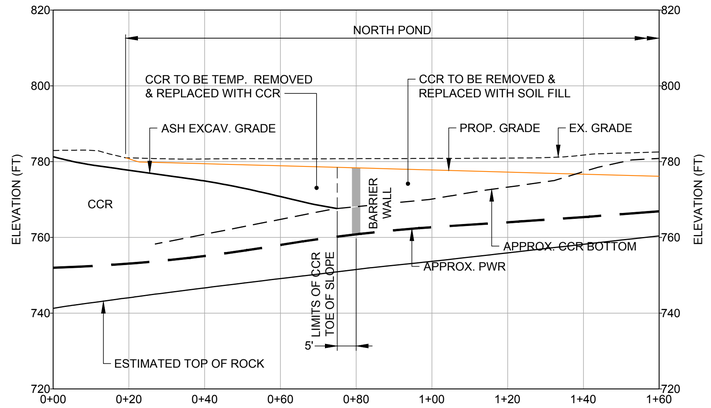
CONSULTANT
wsp

YYYY-MM-DD	2025-06-06
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

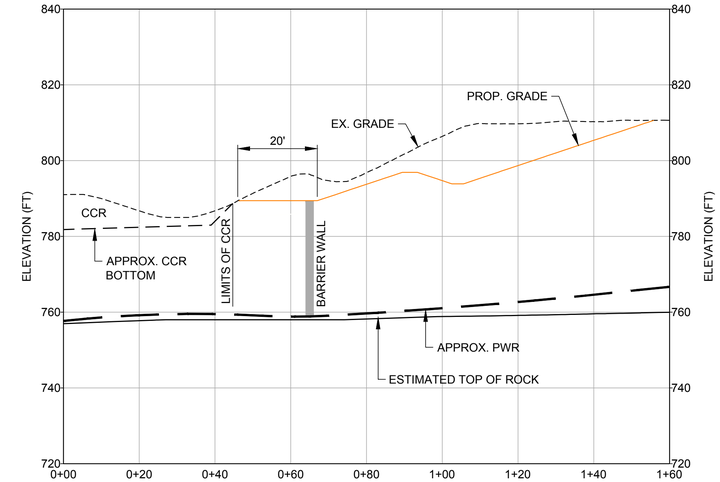
PROJECT NO.	PROJECT ID	REV.	SHEET
1777449	MCD15017	0	19



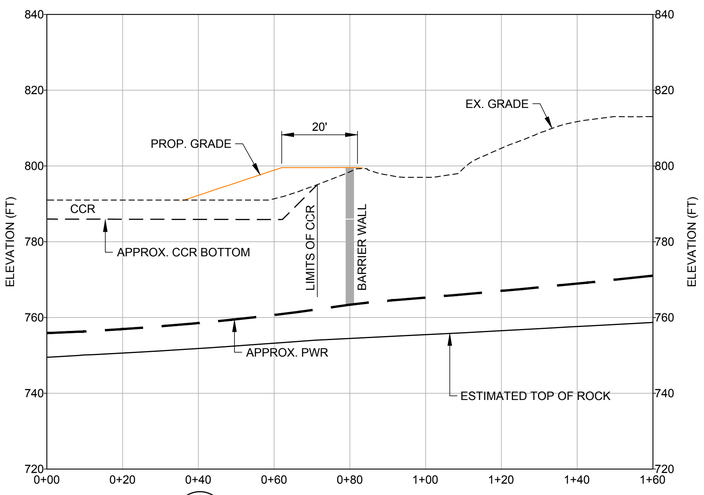
B7 / 20|9 BARRIER WALL - SECTION B7-B7



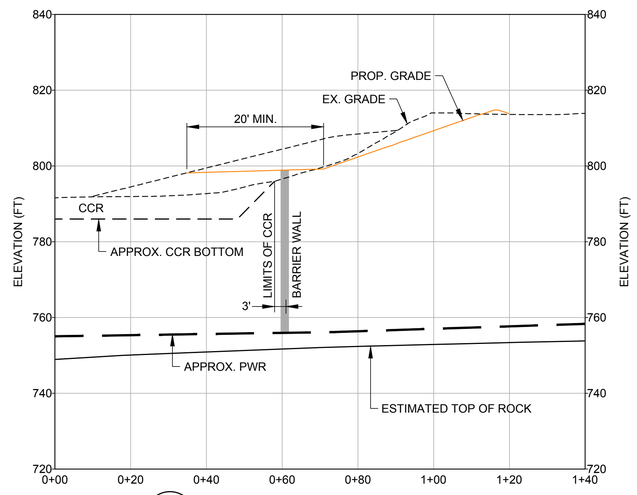
B8 / 20|9 BARRIER WALL - SECTION B8-B8



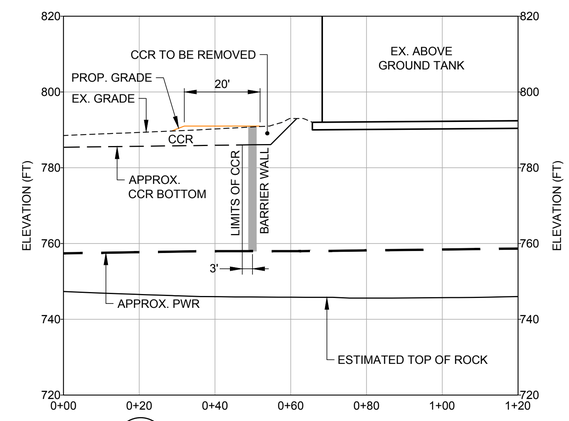
B9 / 20|9 BARRIER WALL - SECTION B9-B9



B10 / 20|9 BARRIER WALL - SECTION B10-B10



B11 / 20|9 BARRIER WALL - SECTION B11-B11



B12 / 20|9 BARRIER WALL - SECTION B12-B12

DETAIL REFERENCES

FOR FINAL COVER ARMORING
SEE DETAILS SHEET 12

0 20 40
1" = 20' FEET

06/2025

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CLIENT
SOUTHERN COMPANY SERVICES

Southern Company

PROJECT
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS

Georgia Power

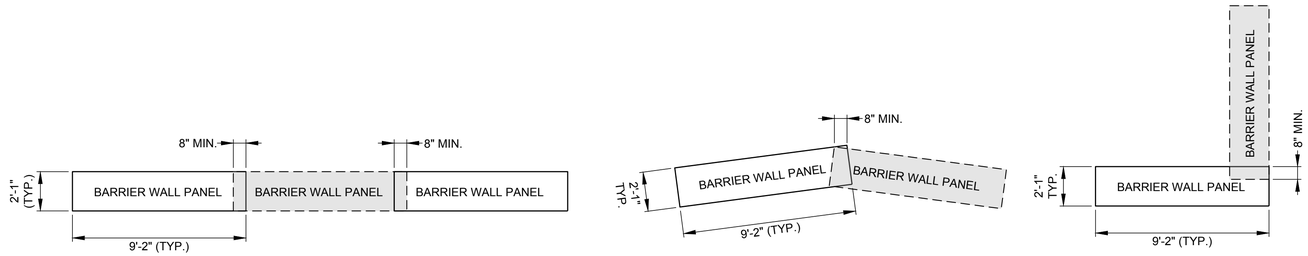
TITLE
BARRIER WALL SECTIONS - SHEET 2

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

CONSULTANT

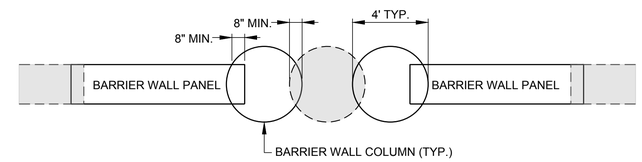
YYYY-MM-DD	2025-06-06
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO.	PROJECT ID	REV.	SHEET
1777449	MCD15017	0	20



1 / 21|9 BARRIER WALL PANEL LAPPING DETAIL

0 4 8
1" = 4' FEET



2 / 21|9 BARRIER WALL COLUMN LAPPING DETAIL

0 4 8
1" = 4' FEET

06/2025

ISSUED FOR PERMITTING

CLIENT
SOUTHERN COMPANY SERVICES

Southern Company

PROJECT
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS

Georgia Power

TITLE
BARRIER WALL DETAILS

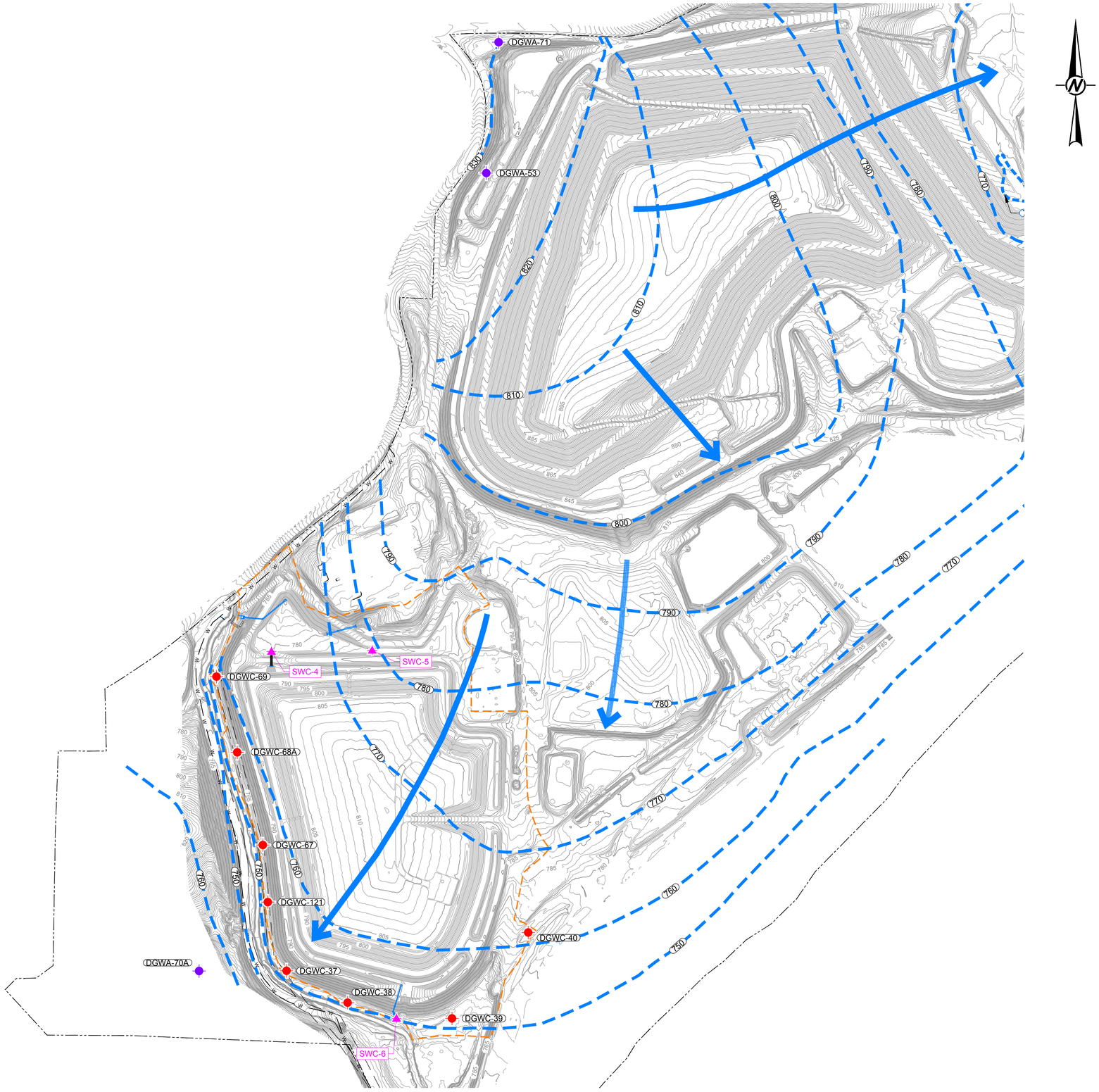
GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE034749 GREGORY L. HEBELER
26-June-2025

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CONSULTANT
wsp

YYYY-MM-DD	2025-06-06
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH

PROJECT NO.	PROJECT ID	REV.	SHEET
1777449	MCD15017	0	21



LEGEND

- 780 — EXISTING CONTOURS (SEE REFERENCE 2)
- PROPERTY BOUNDARY LIMITS (SEE REFERENCE 1)
- 810 — FINAL CONTOURS
- PROPOSED PERMIT BOUNDARY
- AP-1 SURFACE WATER SAMPLE LOCATION
- AP-1 MONITORING WELL
- UPGRADIENT WELL
- 800 — GROUNDWATER SURFACE CONTOURS (FEET MSL)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

REFERENCES

1. APPROXIMATE PROPERTY BOUNDARY PROVIDED BY SOUTHERN COMPANY SERVICES (2017).

2. THE EXISTING TOPOGRAPHY, AND CONTOUR ELEVATIONS ARE BASED ON LIDAR DATA AND SUPPLEMENTAL GROUND RUN TOPOGRAPHY BY METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 03/21/2024.

NOTES

1. EXISTING TOPOGRAPHIC CONTOUR INTERVAL = 1 FOOT.
2. GROUNDWATER ELEVATIONS ARE BASED ON WATER LEVELS MEASURED ON JANUARY 29, 2024.

06/2025
ISSUED FOR PERMITTING

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SOUTHERN COMPANY SERVICES

Southern Company

PROJECT
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS

Georgia Power

TITLE
COMPLIANCE WELL MONITORING NETWORK

0 200 400
1" = 200' FEET

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

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CONSULTANT
wsp

YYYY-MM-DD	2025-06-06
DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
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PROJECT NO.	PROJECT ID	REV.	SHEET
1777449	MCD15017	0	22