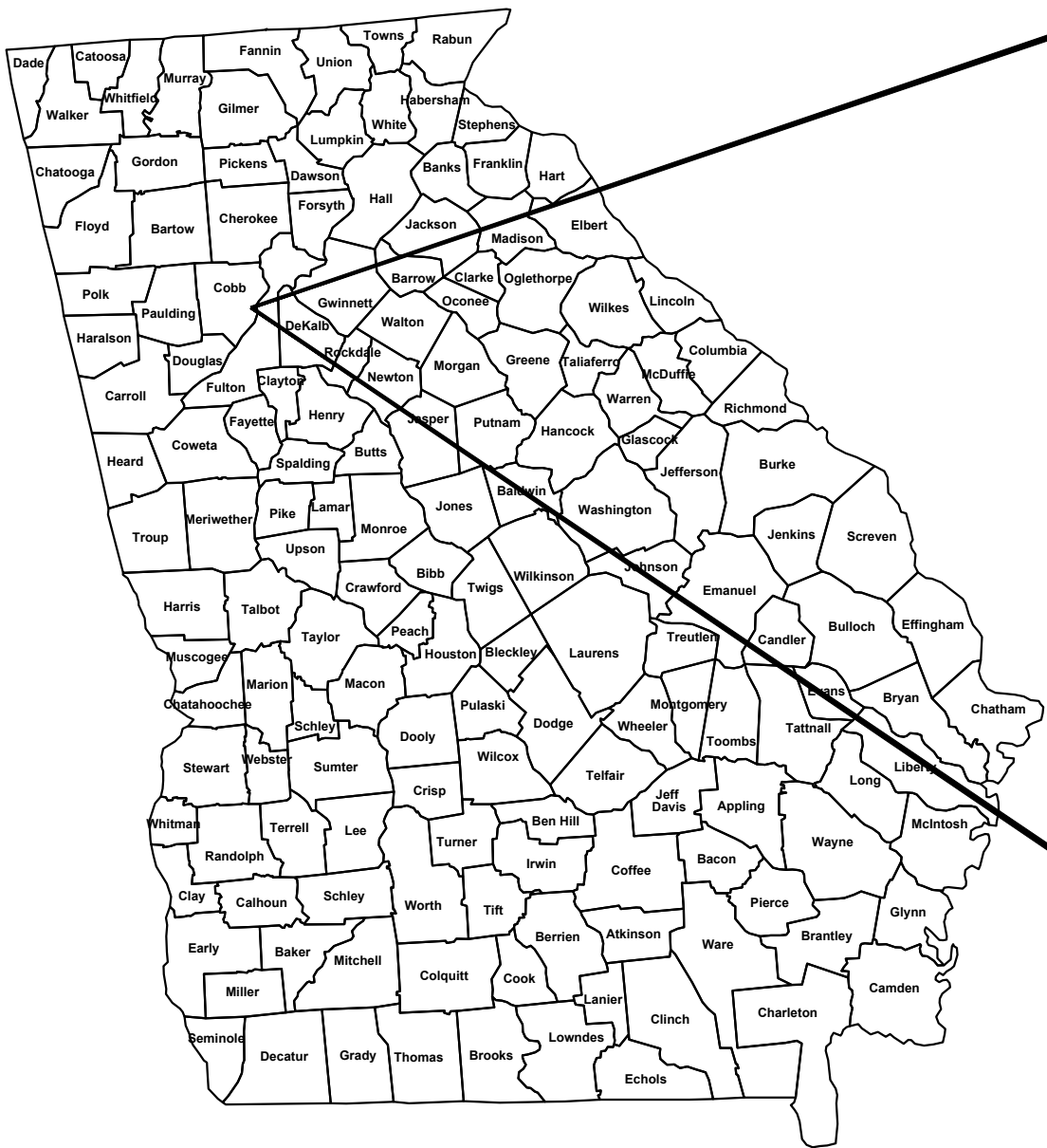


GEORGIA POWER COMPANY
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS
COBB COUNTY, GEORGIA
MARCH 2023

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



CONTACT INFORMATION

ENGINEER

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PREPARED BY:



RESPONSIBLE OFFICIAL

MANAGER
ENVIRONMENTAL AFFAIRS
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BIN 10221
ATLANTA, GA 30308
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PREPARED FOR:



PROPERTY OWNER

GEORGIA POWER COMPANY
241 MCGILL BLVD.
ATLANTA, GA 30308
TELEPHONE: 404-506-6505



3/28/2023
ISSUED FOR PERMITTING

CLIENT
SOUTHERN COMPANY SERVICES



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

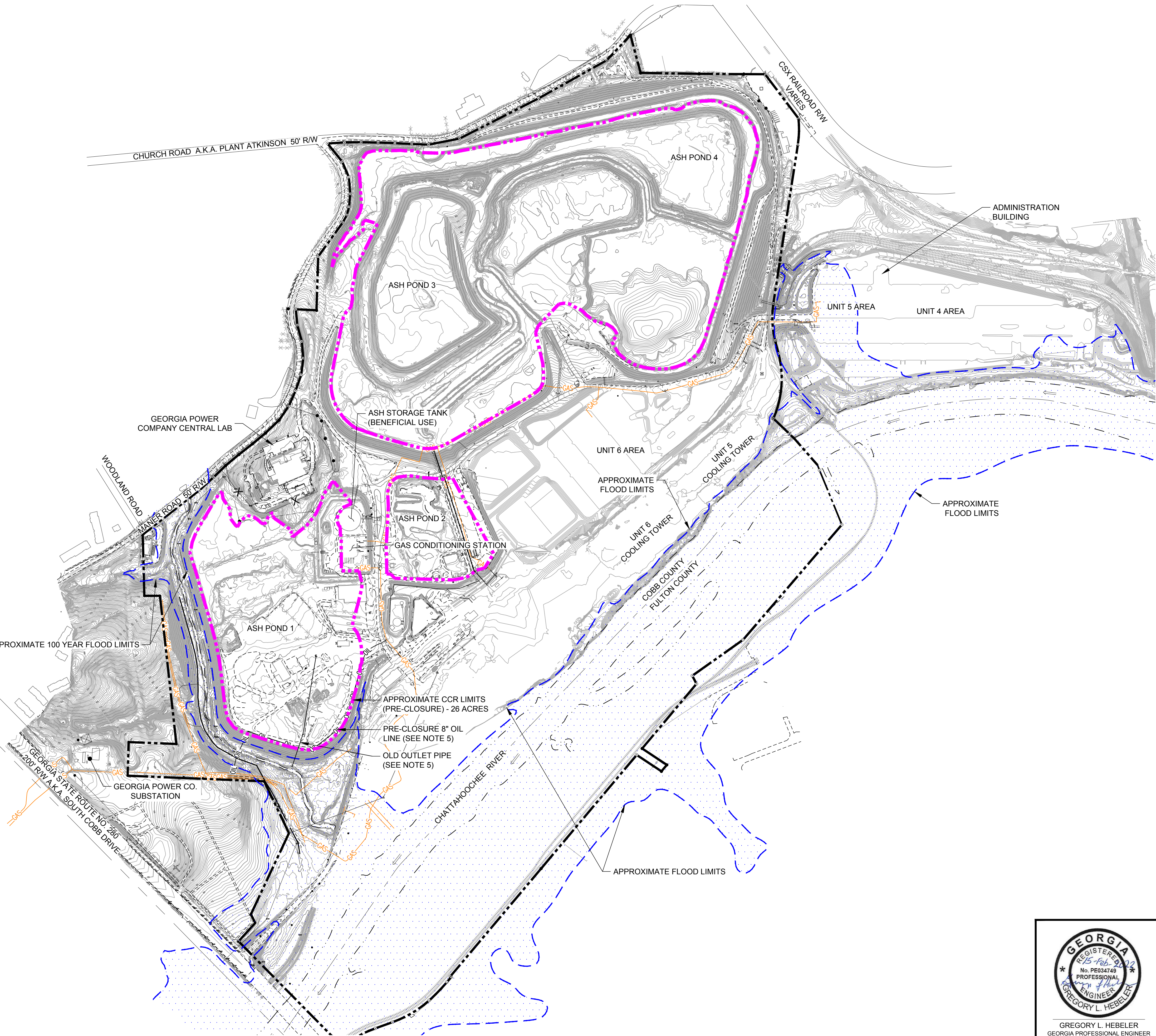
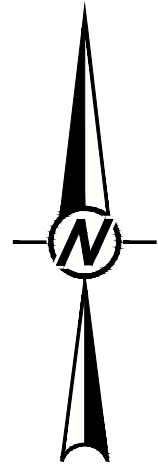


TITLE
TITLE SHEET

CONSULTANT	YYYY-MM-DD	2023/03/28
	DESIGNED	GLH
	PREPARED	RMS
	CHECKED	JDG/LS
	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)
- EXISTING GROUND CONTOURS
- EXISTING FENCE LINE
- EXISTING GAS LINE

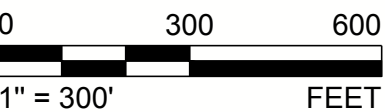
NOTES

- COORDINATE SYSTEM IS GEORGIA STATE PLANE NAD 83 (1994), WEST ZONE.
- 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."
- PRE-CLOSURE CONTOURS SHOWN ON THIS PLAN ARE AT 1' INTERVALS.
- ASH PONDS 2, 3 AND 4 ARE SHOWN FOR INFORMATION ONLY.
- PIPE AND INACTIVE UTILITIES WITHIN AP-1 LIMITS TO BE REMOVED OR ABANDONED IN PLACE VIA GROUTING PRIOR TO OR DURING CLOSURE.

REFERENCES

- 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 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."
- THE REVISED 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.

02/15/2022
ISSUED FOR PERMITTING



CLIENT
SOUTHERN COMPANY SERVICES



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



TITLE
PRE-CLOSURE CONDITIONS TOPOGRAPHIC SITE MAP



CONSULTANT	YYYY-MM-DD	2022/01/15
DESIGNED	GLH	
PREPARED	RMS	
CHECKED	JDG/LS	
REVIEWED / APPROVED	GLH	

PROJECT NO. 1777449	PROJECT ID MCD15017	REV. 0	SHEET 2
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Path: \\atlantiscad\Southern Company\1777449 Plant McDonough Permitting\AP-1 ACPERMIT\PRODUCTION\1 File Name: 1777449 02-03 PERMIT PRE-CLOSE TOPO-AERIAL.dwg



LEGEND

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

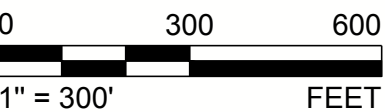
NOTES

- COORDINATE SYSTEM IS GEORGIA STATE PLANE NAD 83 (1994), WEST ZONE.
- 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."
- PRE-CLOSURE CONTOURS SHOWN ON THIS PLAN ARE AT 1' INTERVALS.
- ASH PONDS 2, 3 AND 4 ARE SHOWN FOR INFORMATION ONLY.
- PIPE AND INACTIVE UTILITIES WITHIN AP-1 LIMITS TO BE REMOVED OR ABANDONED IN PLACE VIA GROUTING PRIOR TO OR DURING CLOSURE.

REFERENCES

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

02/15/2022
ISSUED FOR PERMITTING



CLIENT
SOUTHERN COMPANY SERVICES



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

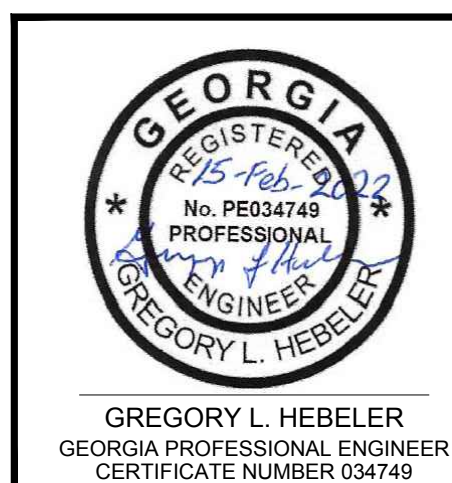


TITLE
PRE-CLOSURE CONDITIONS MAY 2014 SITE AERIAL

CONSULTANT	YYYY-MM-DD	2022/01/15
	DESIGNED	GLH
	PREPARED	RMS
	CHECKED	JDG/LS
	REVIEWED / APPROVED	GLH



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



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



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

- NOTES**
- COORDINATE SYSTEM IS GEORGIA STATE PLANE NAD 83 (1994), WEST ZONE.
 - 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."
 - PRE-CLOSURE CONTOURS SHOWN ON THIS PLAN ARE AT 1' INTERVALS.
 - ASH PONDS 2, 3 AND 4 ARE SHOWN FOR INFORMATION ONLY.
 - 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**
- APPROXIMATE PROPERTY BOUNDARY PROVIDED BY SOUTHERN COMPANY SERVICES (2017).

02/15/2022
ISSUED FOR PERMITTING

CLIENT
SOUTHERN COMPANY SERVICES

Southern Company

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

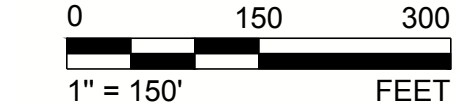
Georgia Power

TITLE
ESTIMATED BOTTOM OF CCR

CONSULTANT	YYYY-MM-DD	2022/01/15
	DESIGNED	GLH
	PREPARED	RMS
	CHECKED	JDG/LS
	REVIEWED / APPROVED	GLH



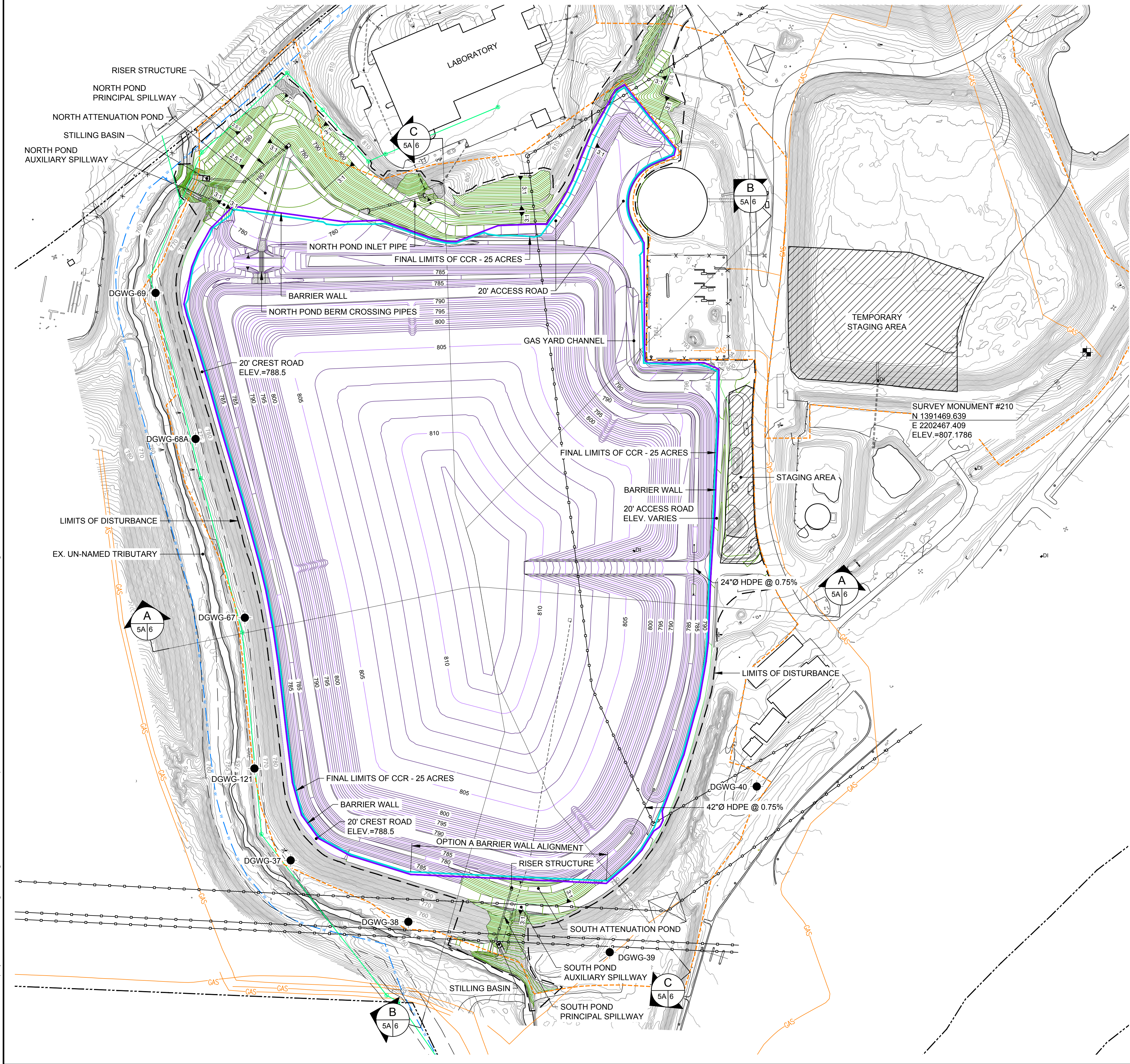
PROJECT NO. 1777449	PROJECT ID MCD15017	REV. 0	SHEET 4
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1 in IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM .ANSI D

Path: \\atlanta\cadd\Southern Company\1777449 Plant McDonough Permitting\AP-1 ACPERMIT\PRODUCTION\1 File Name: 1777449 5A-5B-6 PERMIT GENERAL SITE DEVELOP PLAN-SEC.dwg



- 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
 - AP-1 MONITORING WELL

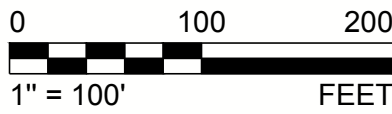
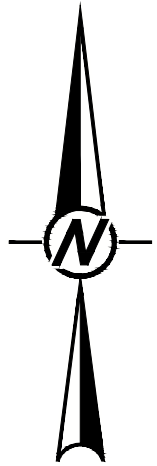
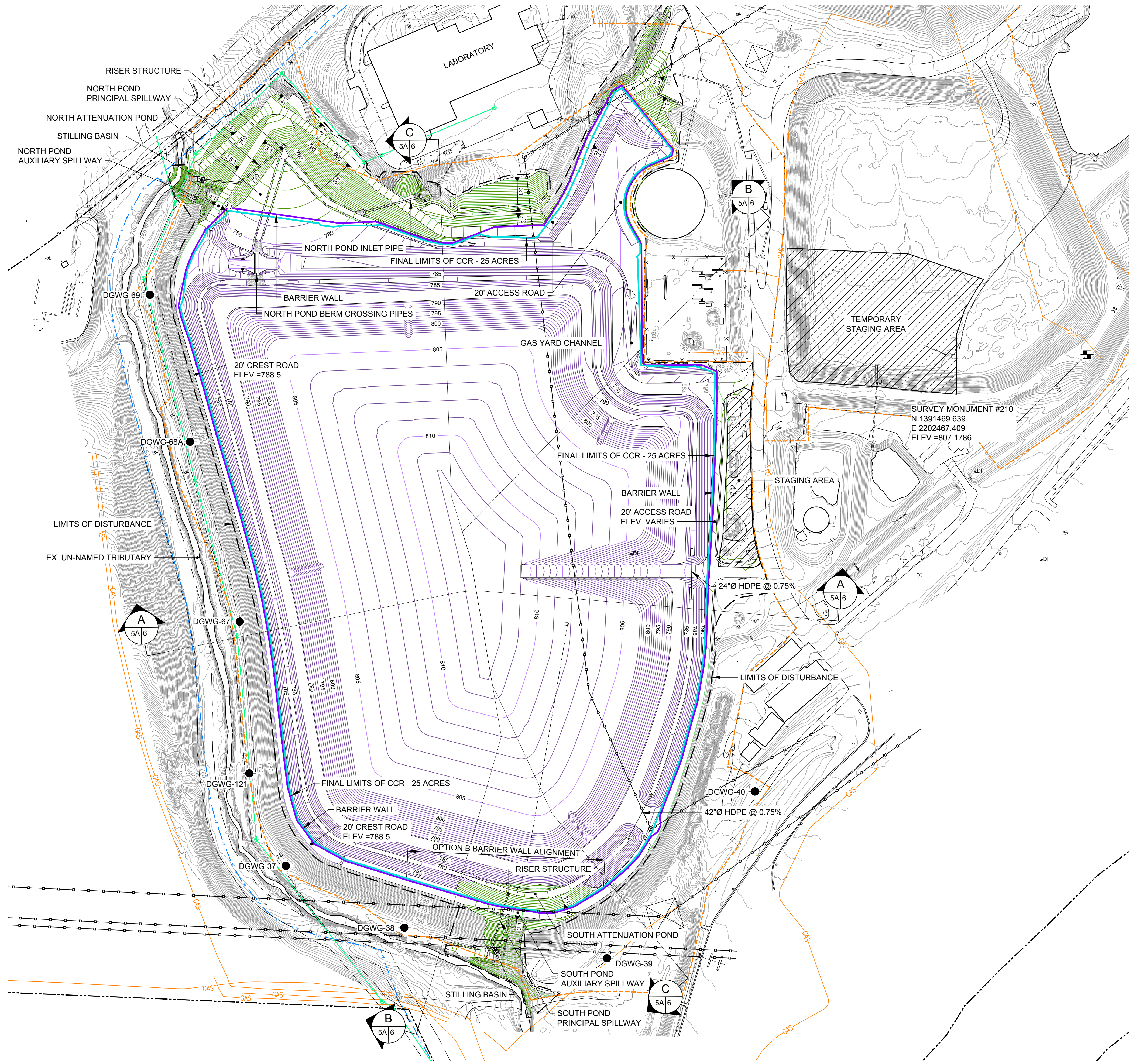
- REFERENCES**
- APPROXIMATE PROPERTY BOUNDARY PROVIDED BY SOUTHERN COMPANY SERVICES (2017).
 - THE EXISTING TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO., INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 03-18-2018. 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.

- NOTE**
- EXISTING TOPOGRAPHIC CONTOUR INTERVAL = 1 FOOT.
 - 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.
 - 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.
 - THE CONTRACTOR WILL PROVIDE SUBMITTALS RELATED TO THE BARRIER WALL CONSTRUCTION TO SOUTHERN COMPANY FOR REVIEW BY THE DESIGN ENGINEER AND COA CONSULTANT. SUBMITTALS SHALL MEET THE REQUIREMENTS OF THESE CLOSURE DRAWINGS AND PROJECT TECHNICAL SPECIFICATIONS.

02/15/2022
ISSUED FOR PERMITTING

CLIENT SOUTHERN COMPANY SERVICES				
PROJECT PLANT MCDONOUGH - ATKINSON CCR UNIT AP-1 CLOSURE PLAN DRAWINGS				
TITLE GENERAL SITE DEVELOPMENT PLAN BARRIER WALL ALIGNMENT OPTION A				
CONSULTANT		YYYY-MM-DD	2022/01/15	
		DESIGNED	GLH	
		PREPARED	RMS	
		CHECKED	JDG/LS	
		REVIEWED / APPROVED	GLH	
PROJECT NO. 1777449	PROJECT ID MCD15017	REV. 0	SHEET 5A	

Path: \\atlanta\cadd\Southern Company\1777449 Plant McDonough Permitting\AP-1 ACPERMIT\PRODUCTION\1 File Name: 1777449 5A-5B-6 PERMIT GENERAL SITE DEVELOP PLAN-SEC.dwg



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
	AP-1 MONITORING WELL

REFERENCES

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

2. 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.

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.

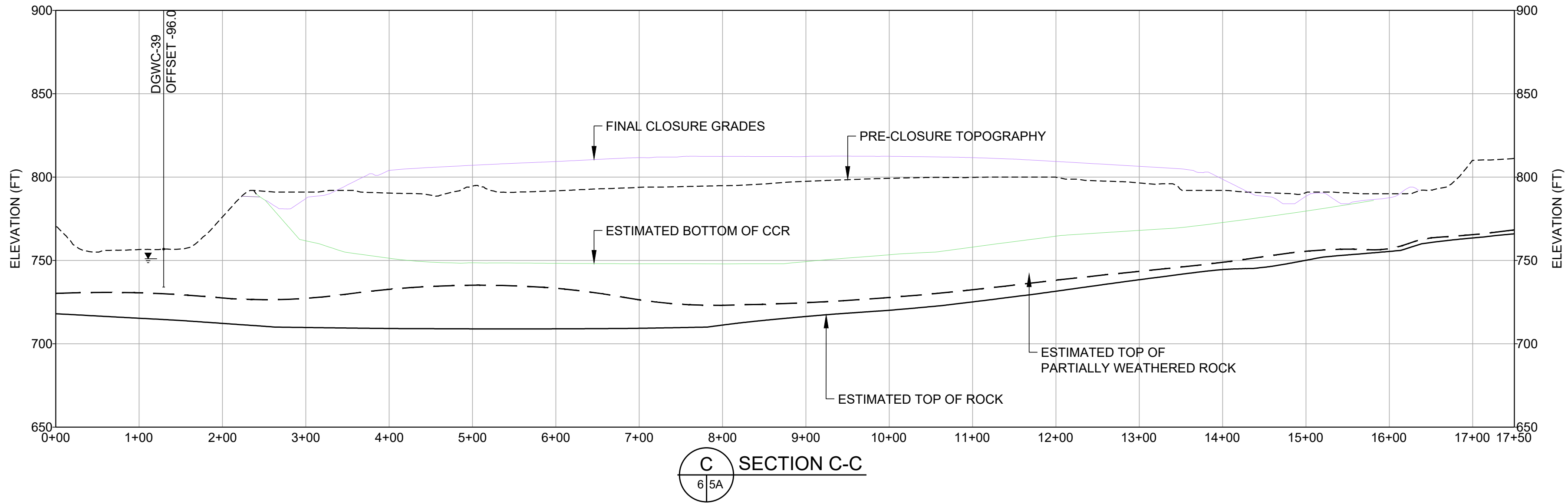
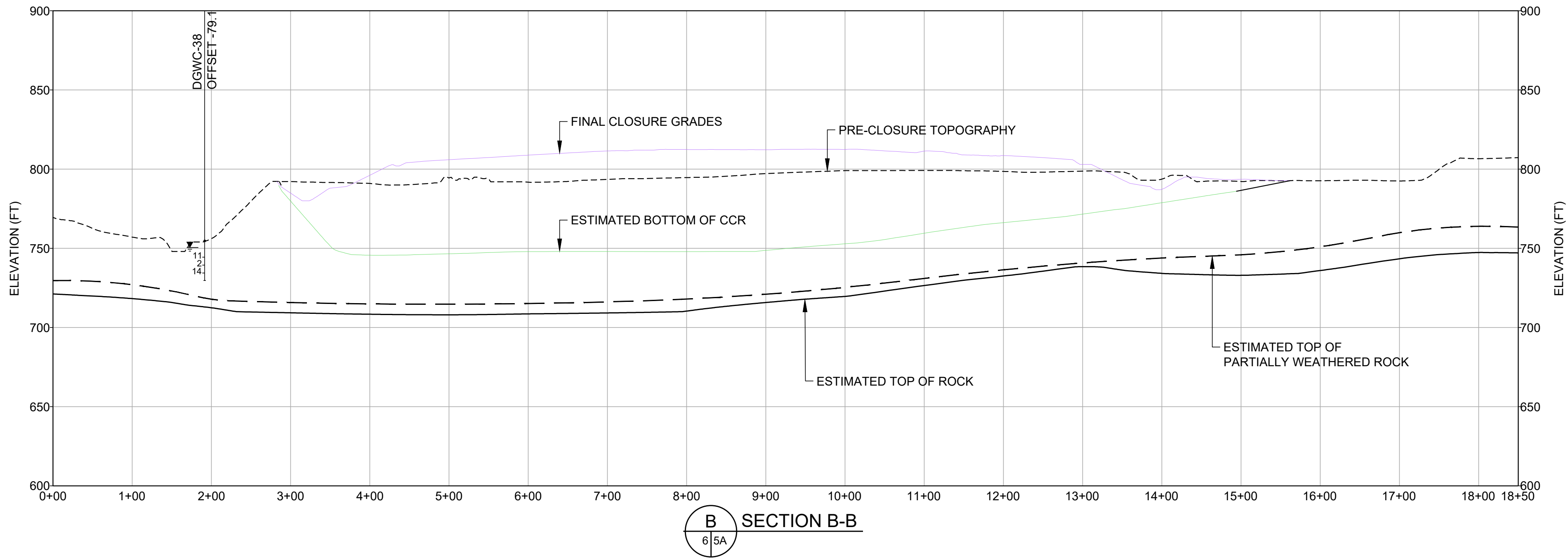
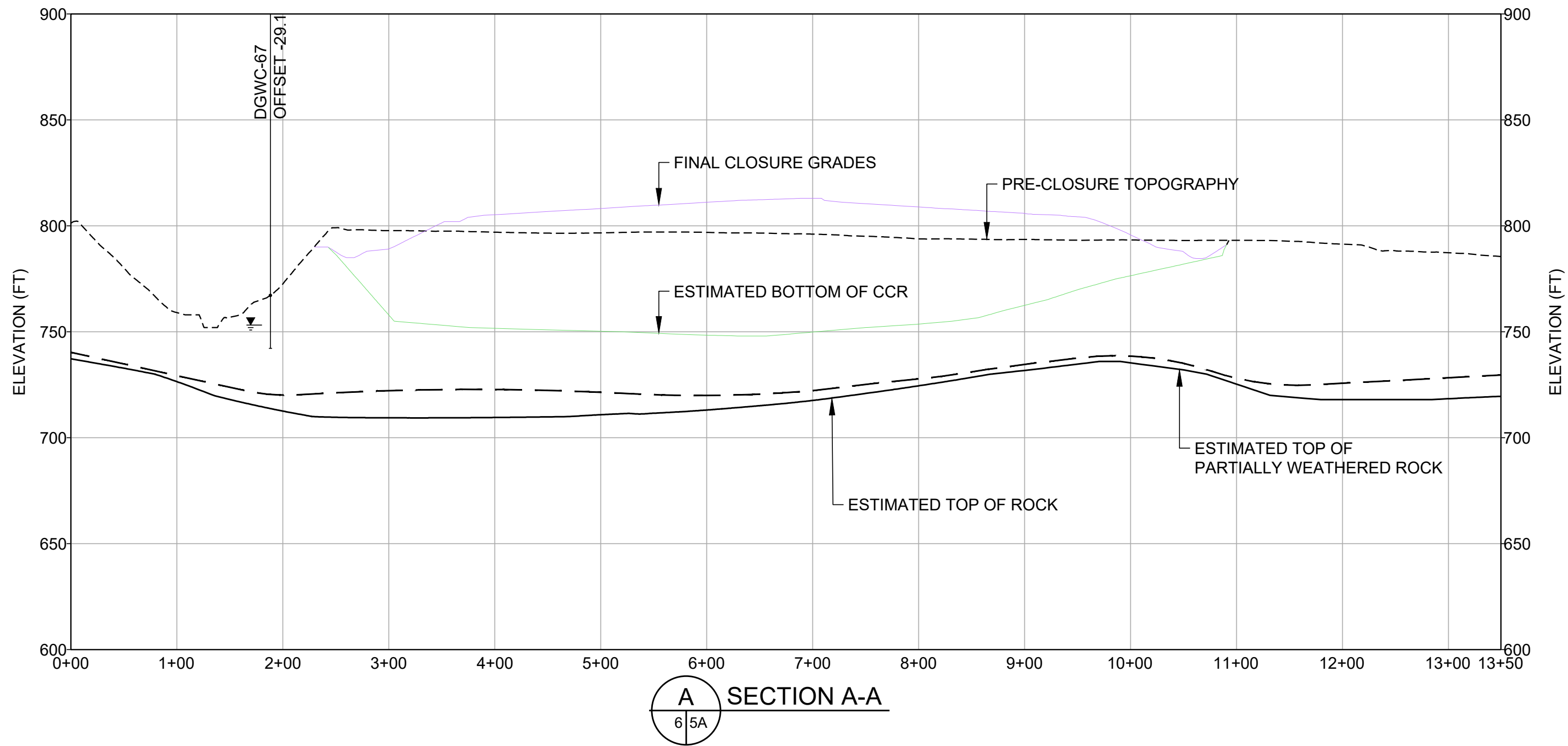
4. THE CONTRACTOR WILL PROVIDE SUBMITTALS RELATED TO THE BARRIER WALL CONSTRUCTION TO SOUTHERN COMPANY FOR REVIEW BY THE DESIGN ENGINEER AND COA CONSULTANT. SUBMITTALS SHALL MEET THE REQUIREMENTS OF THESE CLOSURE DRAWINGS AND PROJECT TECHNICAL SPECIFICATIONS.

02/15/2022
ISSUED FOR PERMITTING

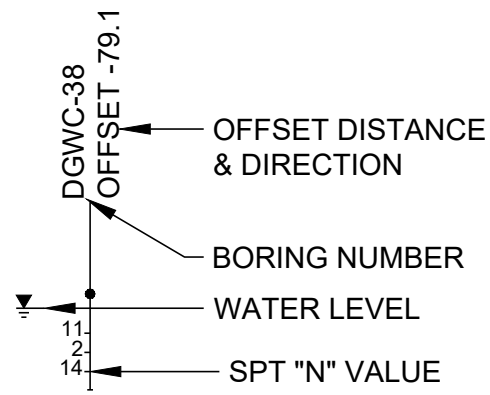
CLIENT SOUTHERN COMPANY SERVICES		 Southern Company	
PROJECT PLANT MCDONOUGH - ATKINSON CCR UNIT AP-1 CLOSURE PLAN DRAWINGS		 Georgia Power	
TITLE GENERAL SITE DEVELOPMENT PLAN BARRIER WALL ALIGNMENT OPTION B			
CONSULTANT		YYYY-MM-DD	2022/01/15
 GOLDER MEMBER OF WSP		DESIGNED	GLH
		PREPARED	RMS
		CHECKED	JDG/LS
		REVIEWED / APPROVED	GLH
PROJECT NO. 1777449	PROJECT ID MCD15017	REV. ----	SHEET 5B

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

Path: \\atlanta.golder.com\Southern Company\1777449 Plant McDonough Permitting\AP-1 A\PERMIT PRODUCTION\1 File Name: 1777449 5A-5B-6 PERMIT GENERAL SITE DEVELOPMENT PLAN SEC.dwg



LEGEND



NOTE

- FINAL CLOSURE GRADES PRESENTED ARE THE DESIGN CLOSURE GRADES AND REPRESENT TOP OF FINAL COVER LINER.
- 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.
- 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.
- WATER LEVELS ARE REPRESENTATIVE OF OCTOBER 2021 AS PRESENTED IN GROUNDWATER MONITORING PLAN, DATED JANUARY 2022.

REFERENCE

- PRE-CLOSURE TOPOGRAPHY, UTILITIES, EXISTING SITE TOPOGRAPHY 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."

2024/03/29
ISSUED FOR PERMITTING

CLIENT
SOUTHERN COMPANY SERVICES



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



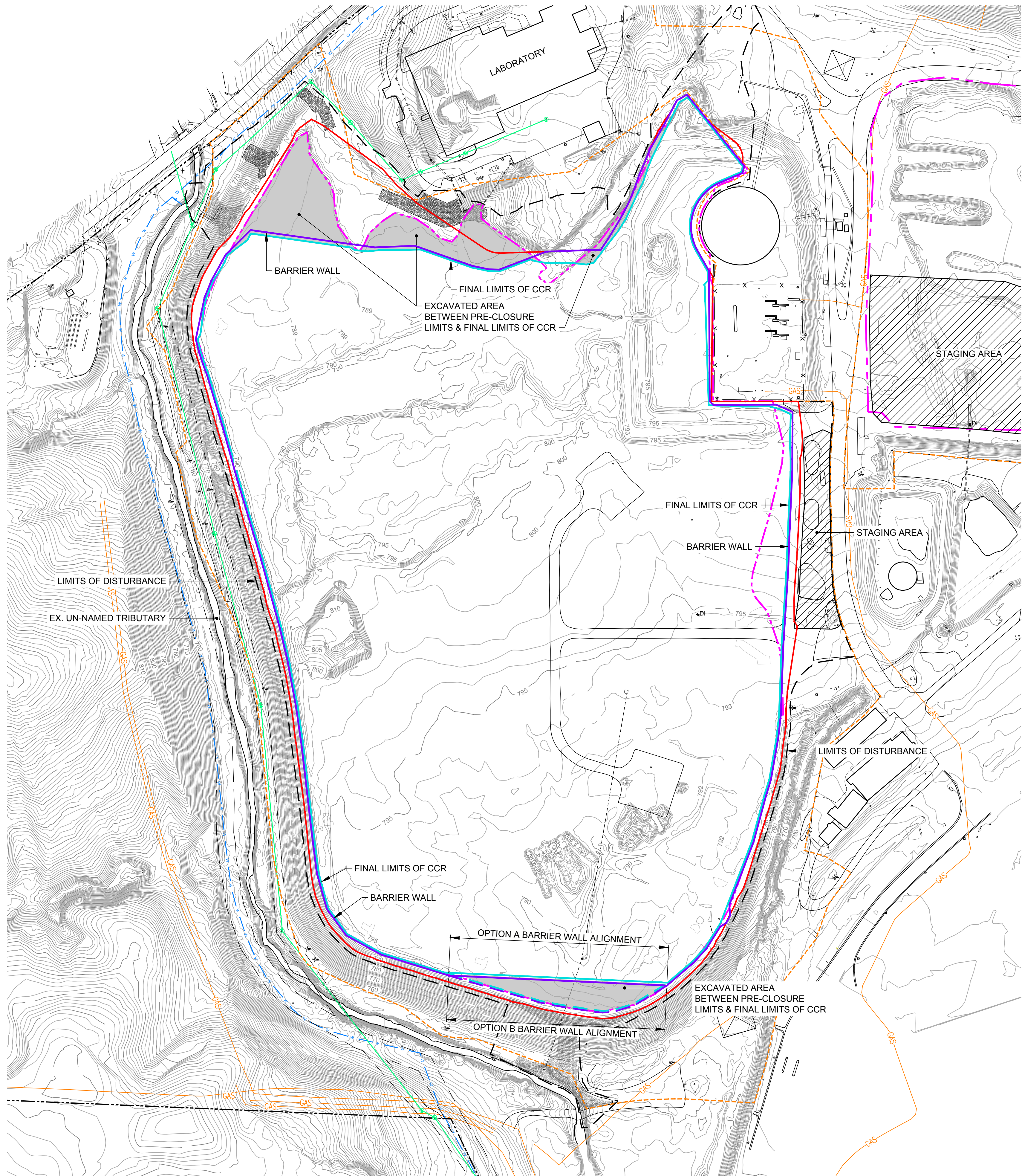
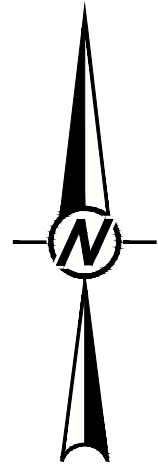
TITLE
GENERAL SITE DEVELOPMENT SECTIONS

CONSULTANT	YYYY-MM-DD	2024/03/06
	DESIGNED	GLH
	PREPARED	RMS
	CHECKED	JDG/LS
	REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 PROJECT ID MCD15017 REV. 0 SHEET 6



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



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. APPROXIMATE PROPERTY BOUNDARY PROVIDED BY SOUTHERN COMPANY SERVICES (2017).
2. 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.

02/15/2022
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

CONSULTANT	YYYY-MM-DD	2022/01/15
	DESIGNED	GLH
	PREPARED	RMS
	CHECKED	JDG/LS
	REVIEWED / APPROVED	GLH



PROJECT NO. 1777449	PROJECT ID MCD15017	REV. 0	SHEET 7
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Path: \\atlanta\cadd\Southern Company\1777449 Plant McDonough Permitting\AP-1 ACPERMIT\PRODUCTION\1 File Name: 1777449 7 PERMIT EXCAVATION PLAN.dwg

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



	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
	HISTORICAL DRILLING/WELL LOCATION

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

2. 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.

1. EXISTING TOPOGRAPHIC CONTOUR INTERVAL = 1 FOOT.

2. WATER LEVELS ARE REPRESENTATIVE OF OCTOBER 2021 AS PRESENTED IN GROUNDWATER MONITORING PLAN, DATED JANUARY 2022.

CLIENT
SOUTHERN COMPANY SERVICES



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

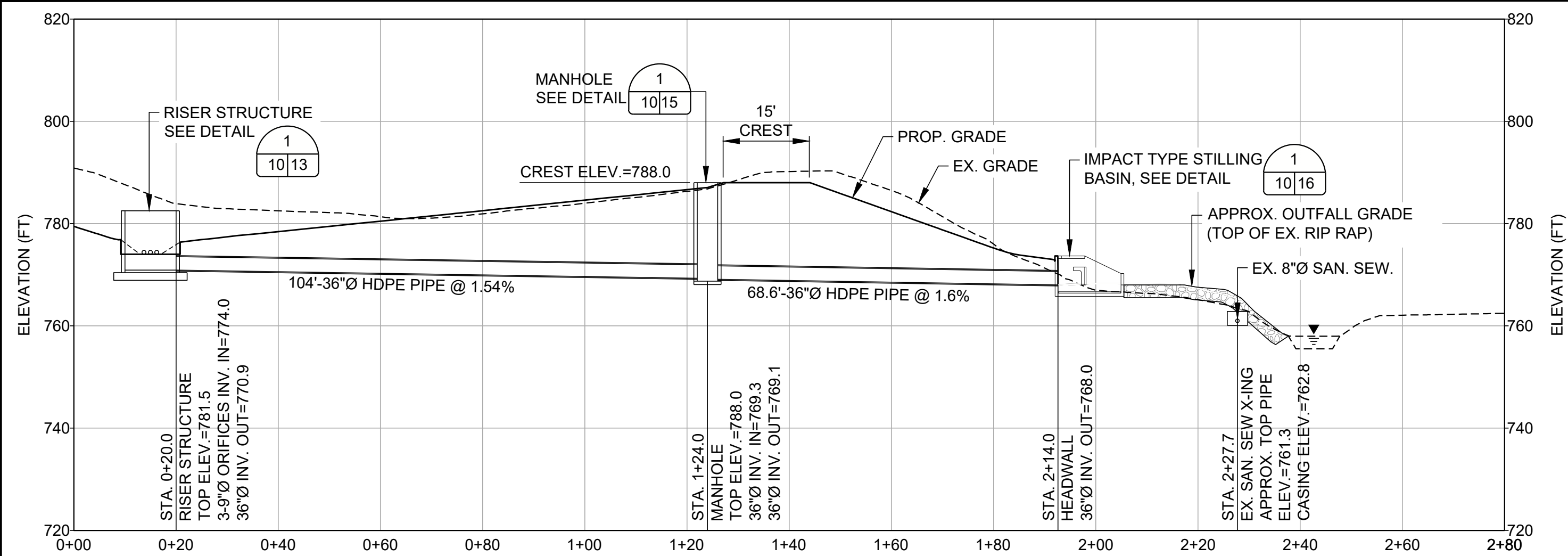


TITLE
FINAL GRADING PLAN

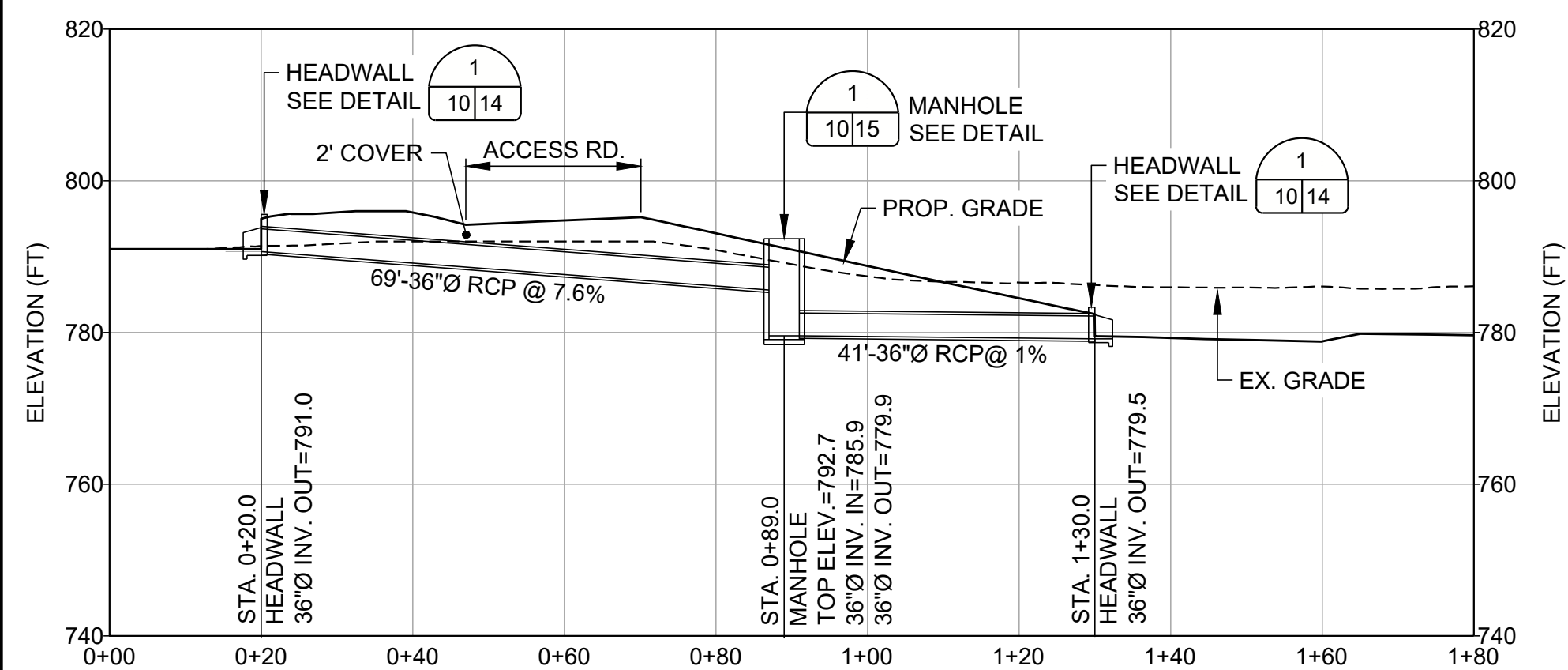
CONSULTANT	YYYY-MM-DD	2024/03/06
	DESIGNED	GLH
	PREPARED	RMS
	CHECKED	JDG/LS
	REVIEWED / APPROVED	GLH

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

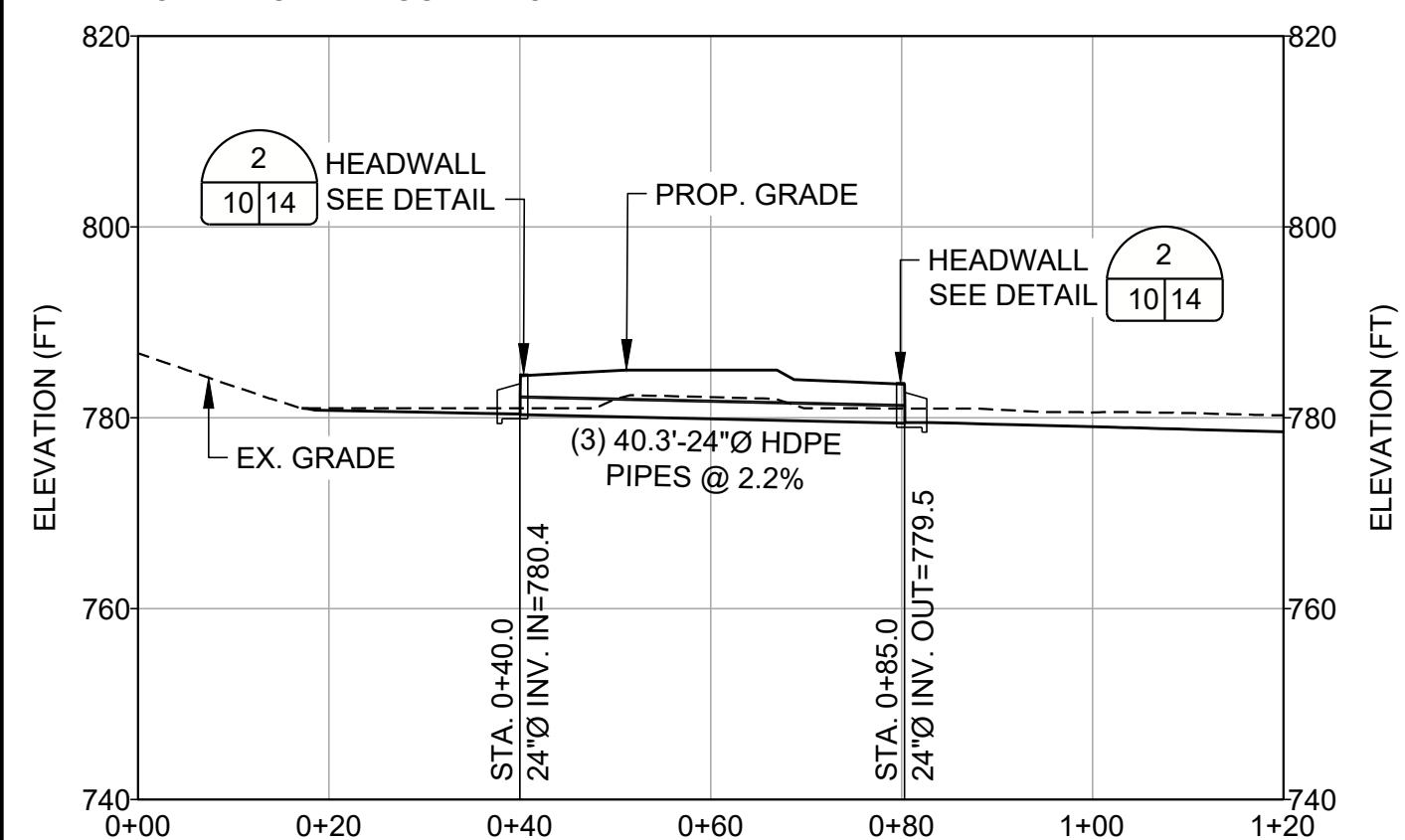




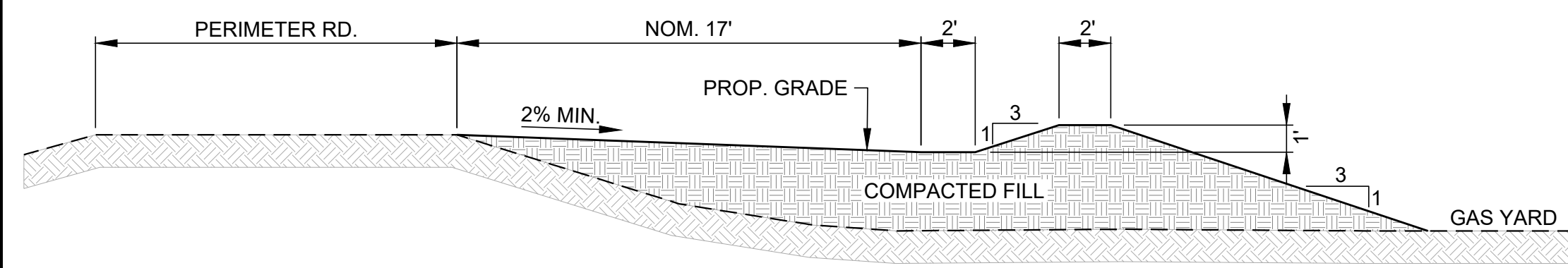
1 NORTH POND PRINCIPAL SPILLWAY PROFILE



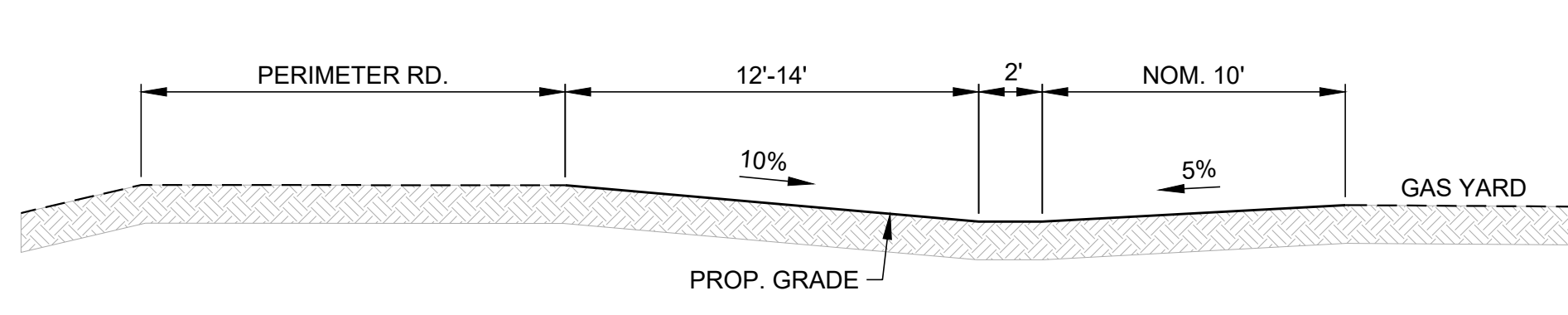
2 NORTH POND INLET PROFILE



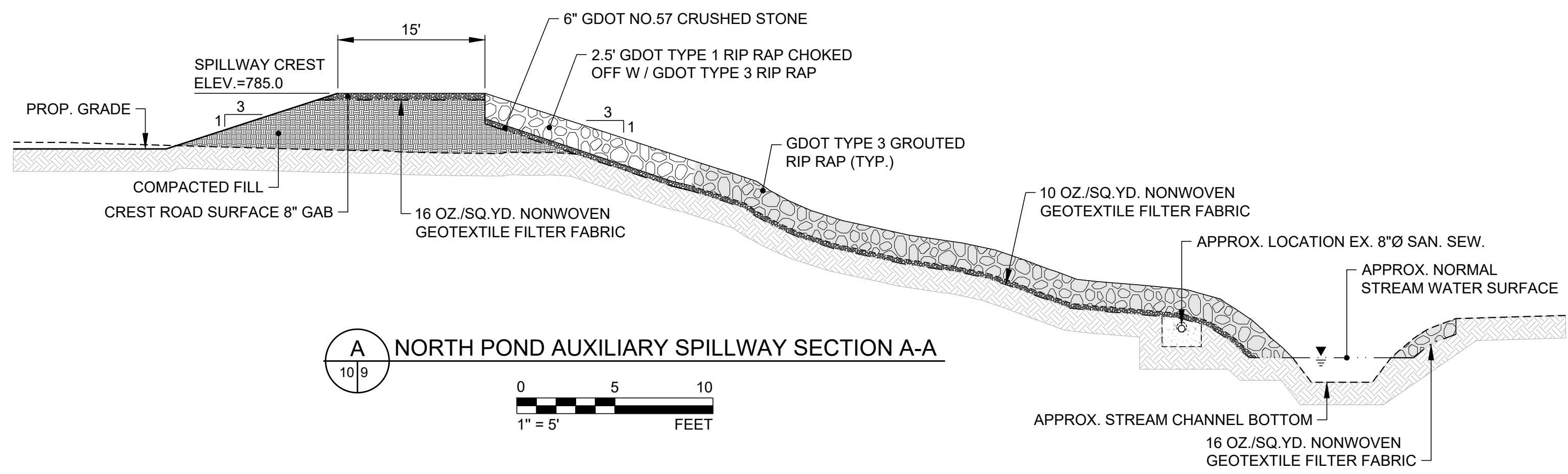
3 NORTH POND BERM CROSSING PROFILE



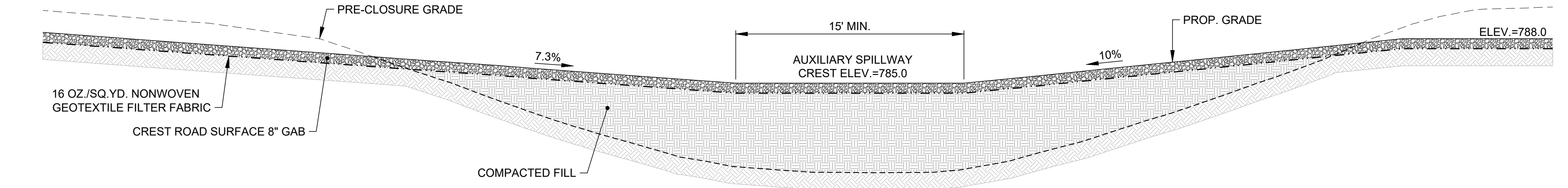
G1 GAS YARD CHANNEL - SECTION G1-G1



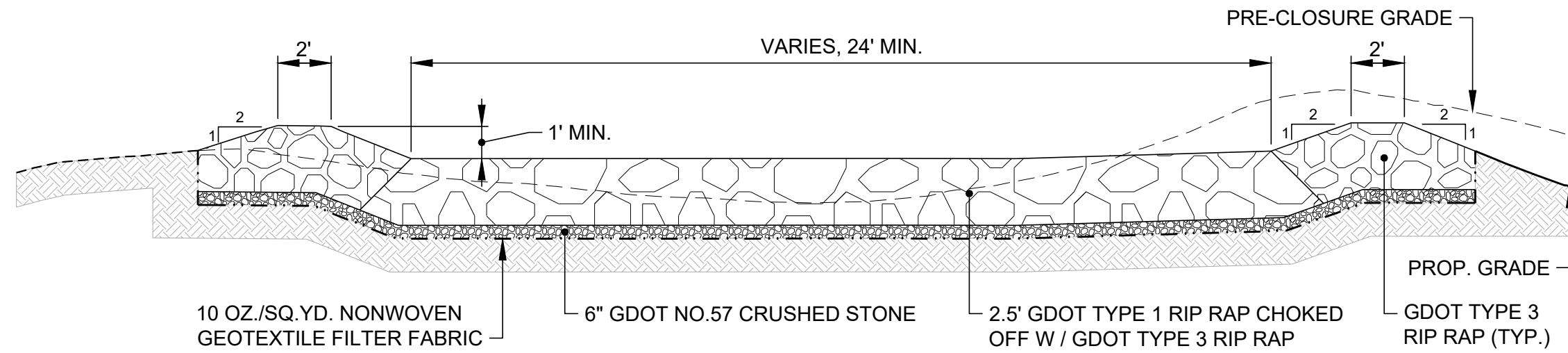
G2 GAS YARD CHANNEL - SECTION G2-G2



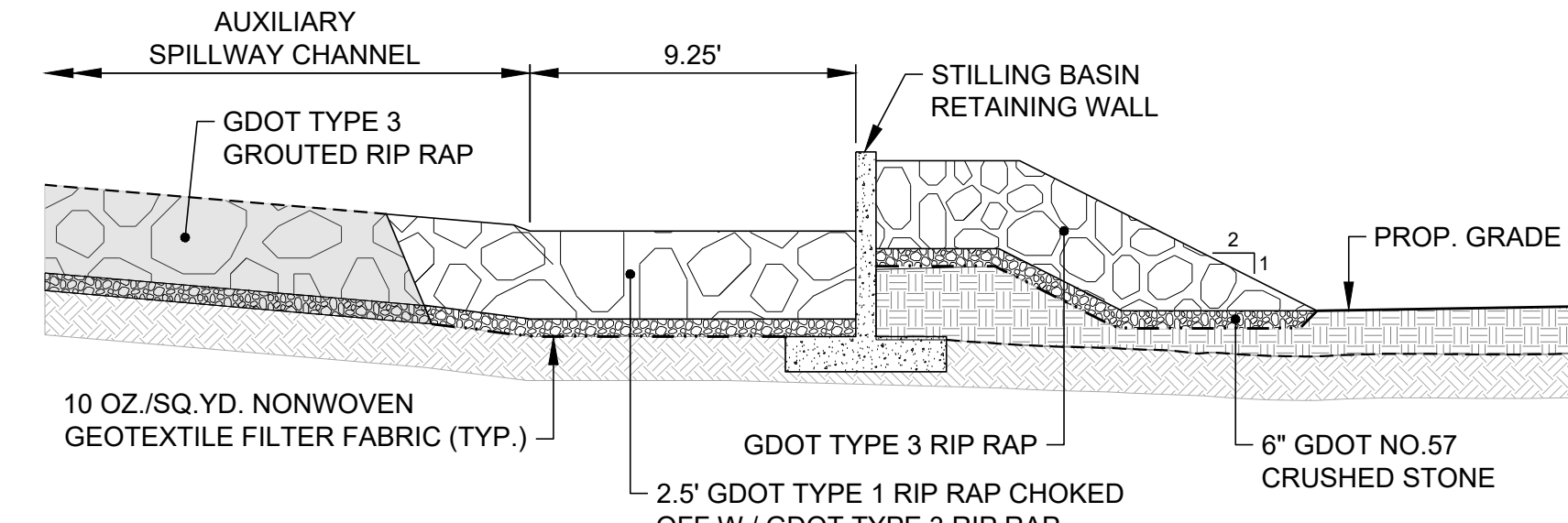
A NORTH POND AUXILIARY SPILLWAY SECTION A-A



B NORTH POND AUXILIARY SPILLWAY SECTION B-B



C NORTH POND AUXILIARY SPILLWAY SECTION C-C



D NORTH POND AUXILIARY SPILLWAY SECTION D-D

2024/03/29
ISSUED FOR PERMITTING

CLIENT
SOUTHERN COMPANY SERVICES



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



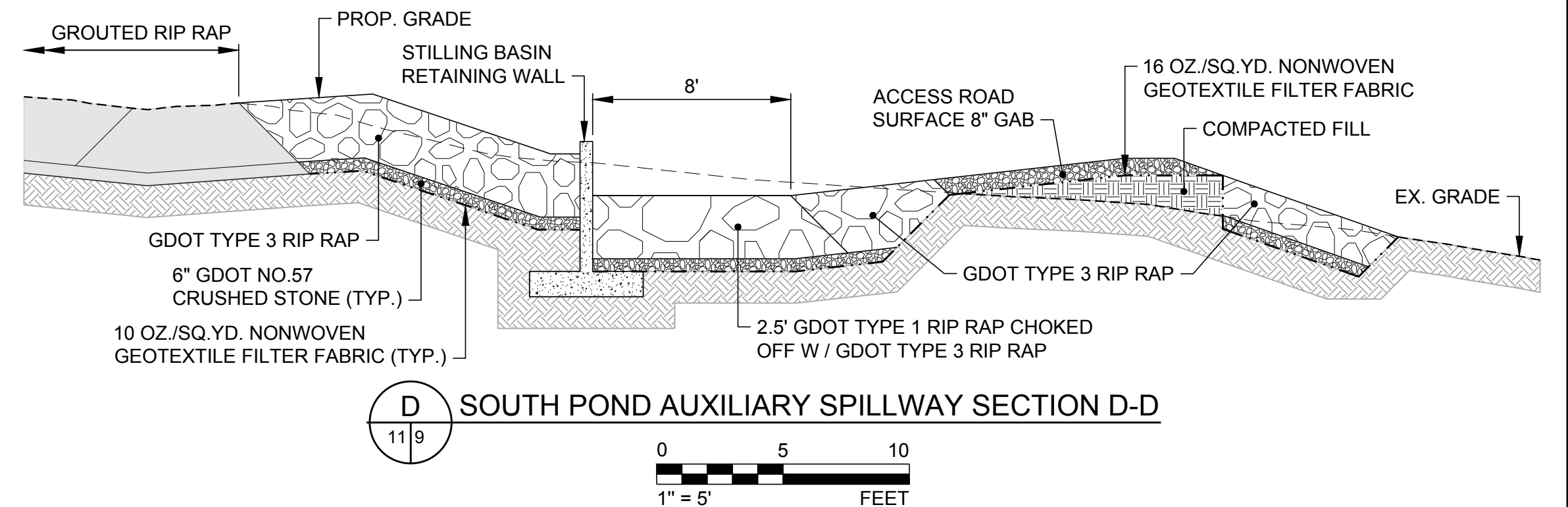
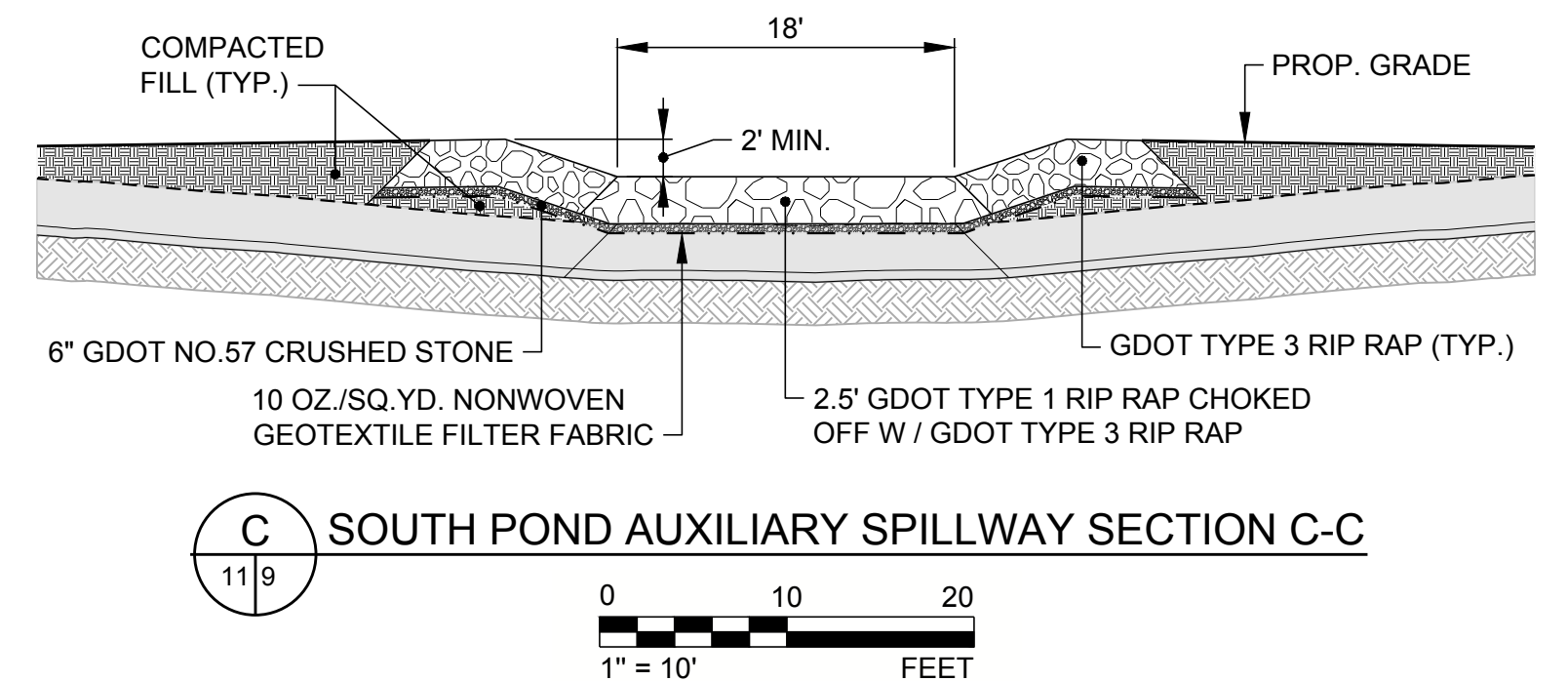
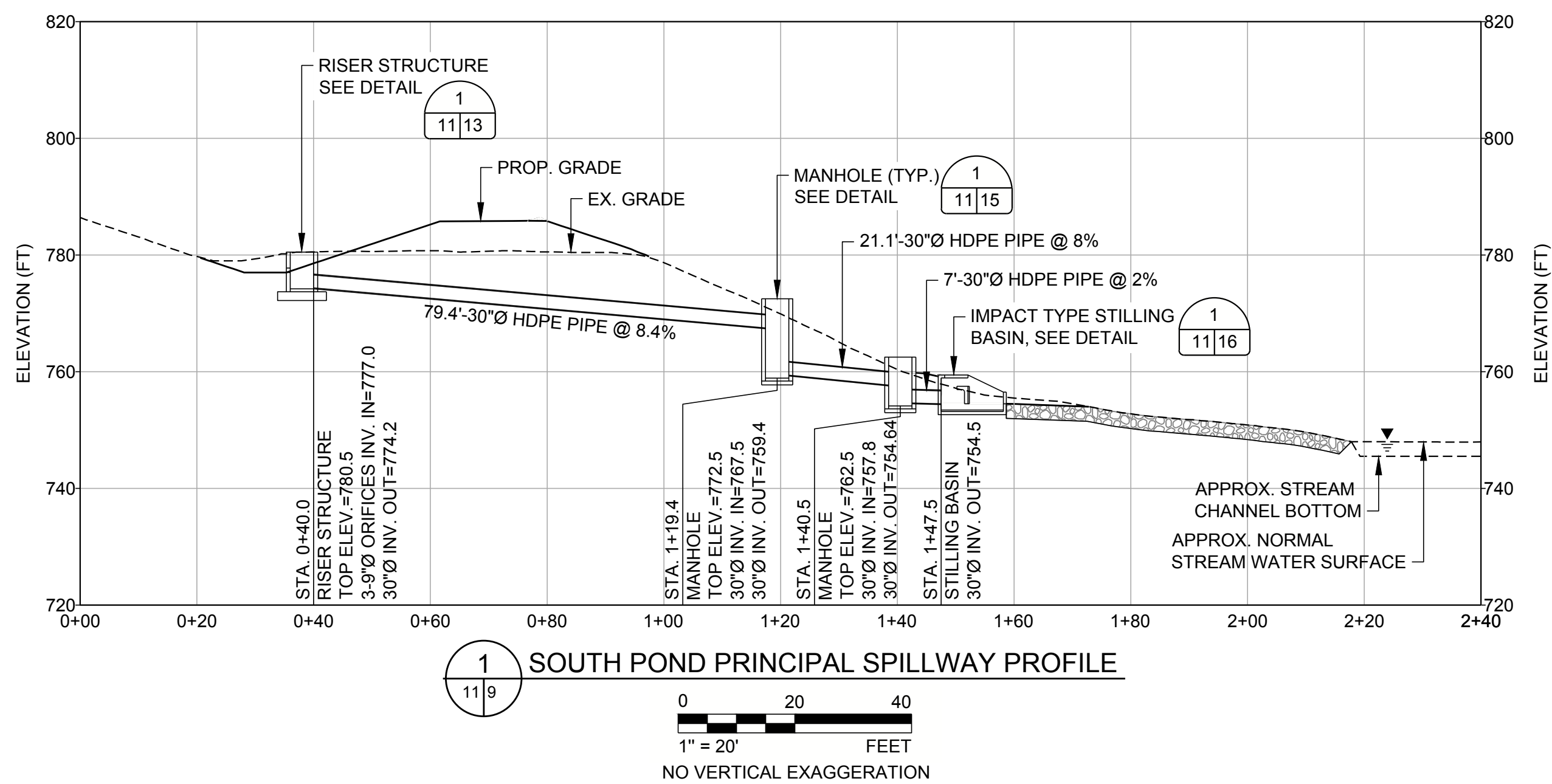
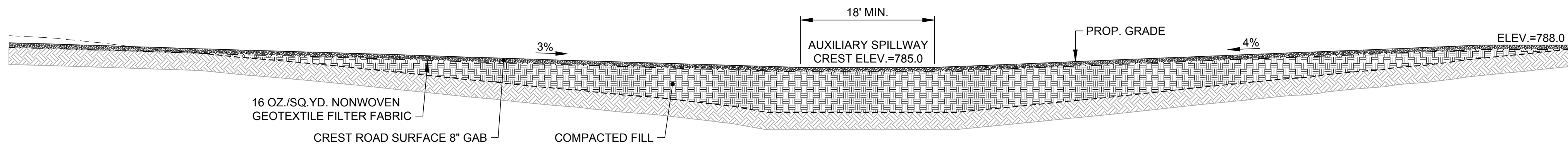
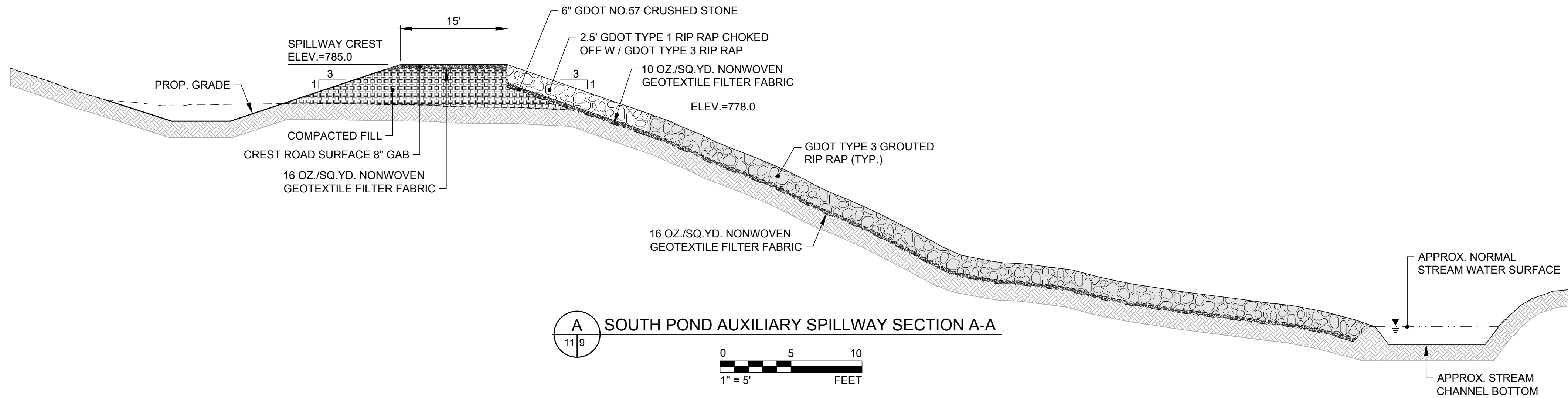
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NORTH POND PROFILES & SECTIONS

CONSULTANT	YYYY-MM-DD	2024/03/06
DESIGNED	GLH	
PREPARED	RMS	
CHECKED	JDG/LS	
REVIEWED / APPROVED	GLH	

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



Path: \\atlanta\cadd\Southern Company\1777449 Plant McDonough Permitting\AP-1 ACPERMIT\PRODUCTION\1 File Name: 1777449 9-11 PERMIT-FINAL PLAN-PROF.dwg



02/15/2022
ISSUED FOR PERMITTING

CLIENT
SOUTHERN COMPANY SERVICES



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



TITLE
SOUTH POND PROFILES & SECTIONS

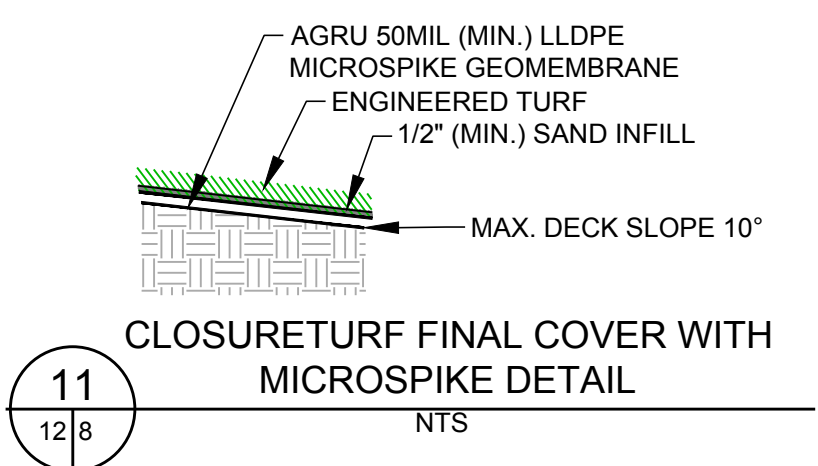
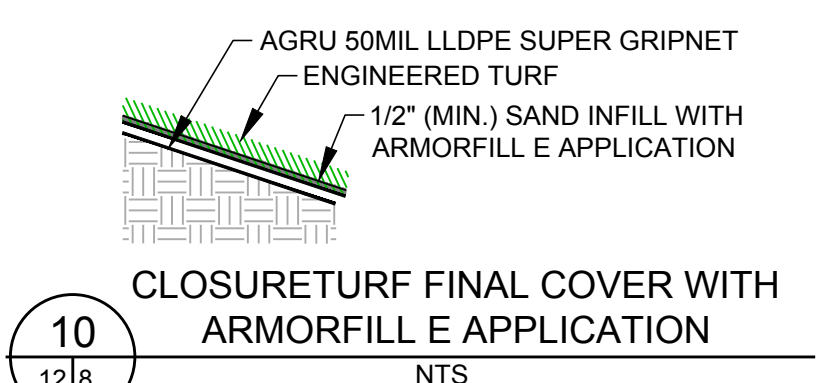
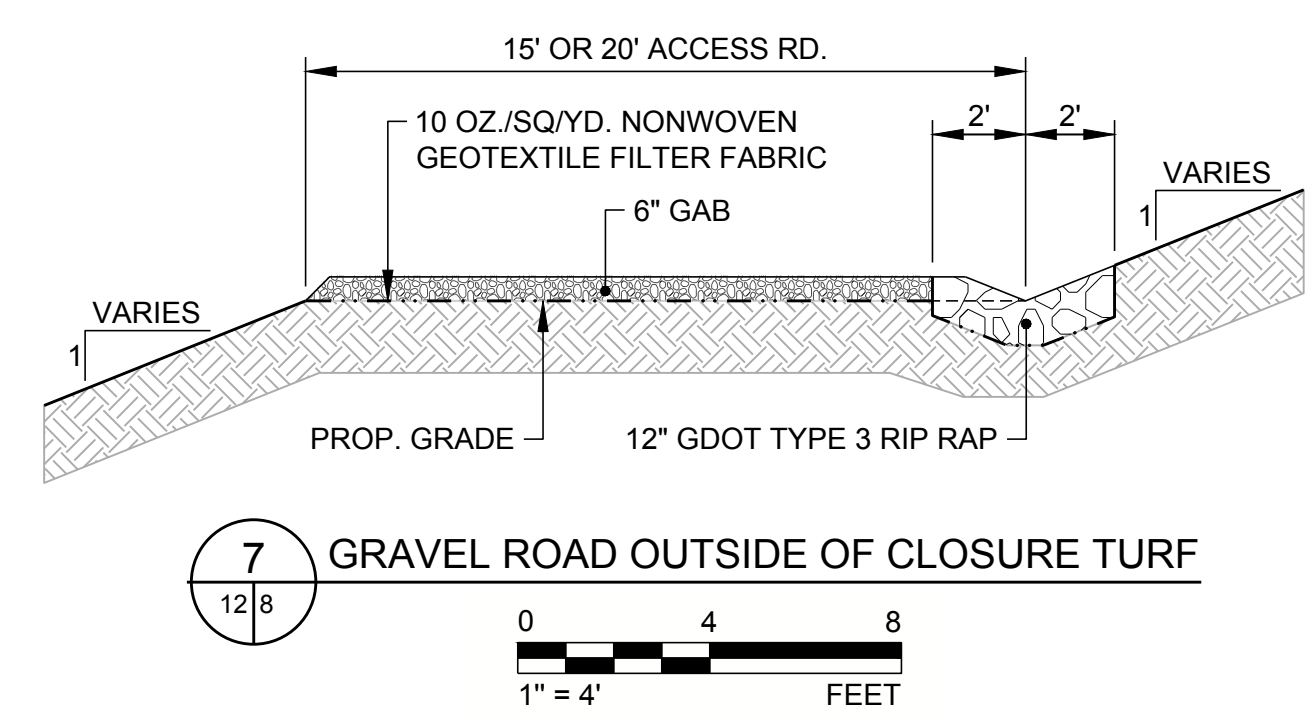
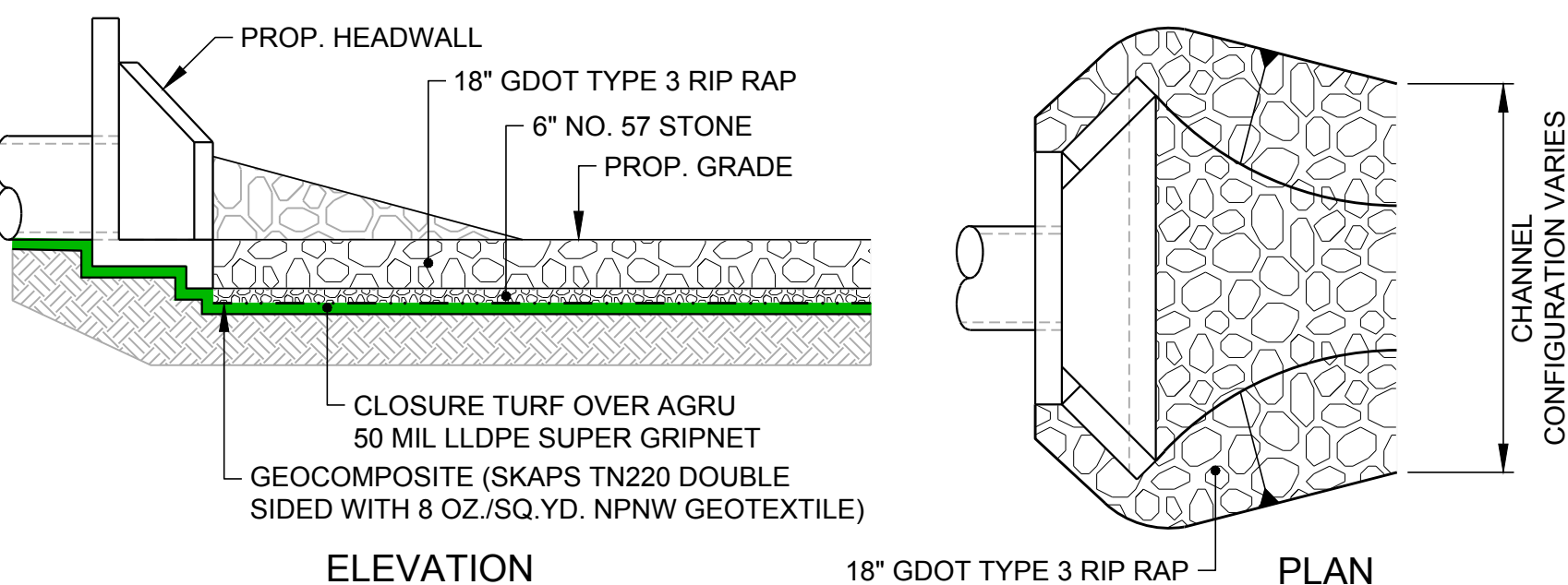
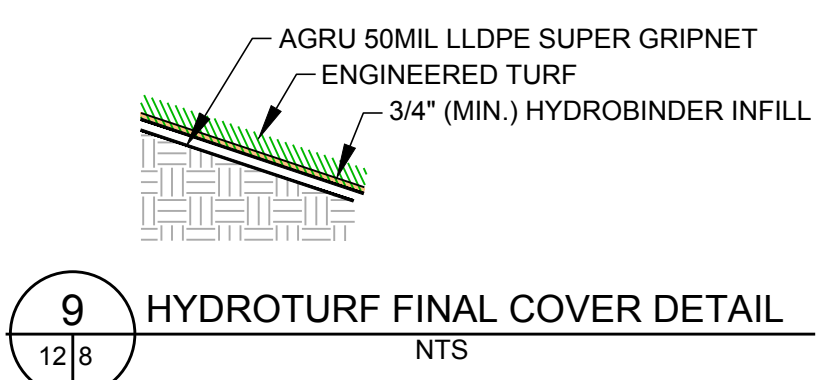
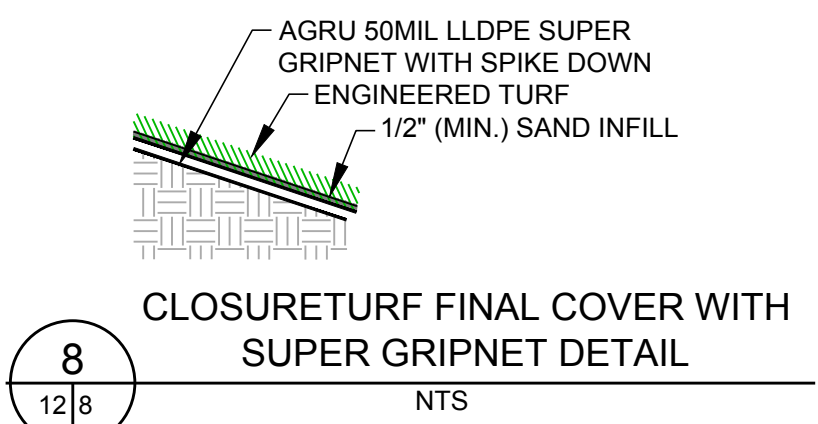
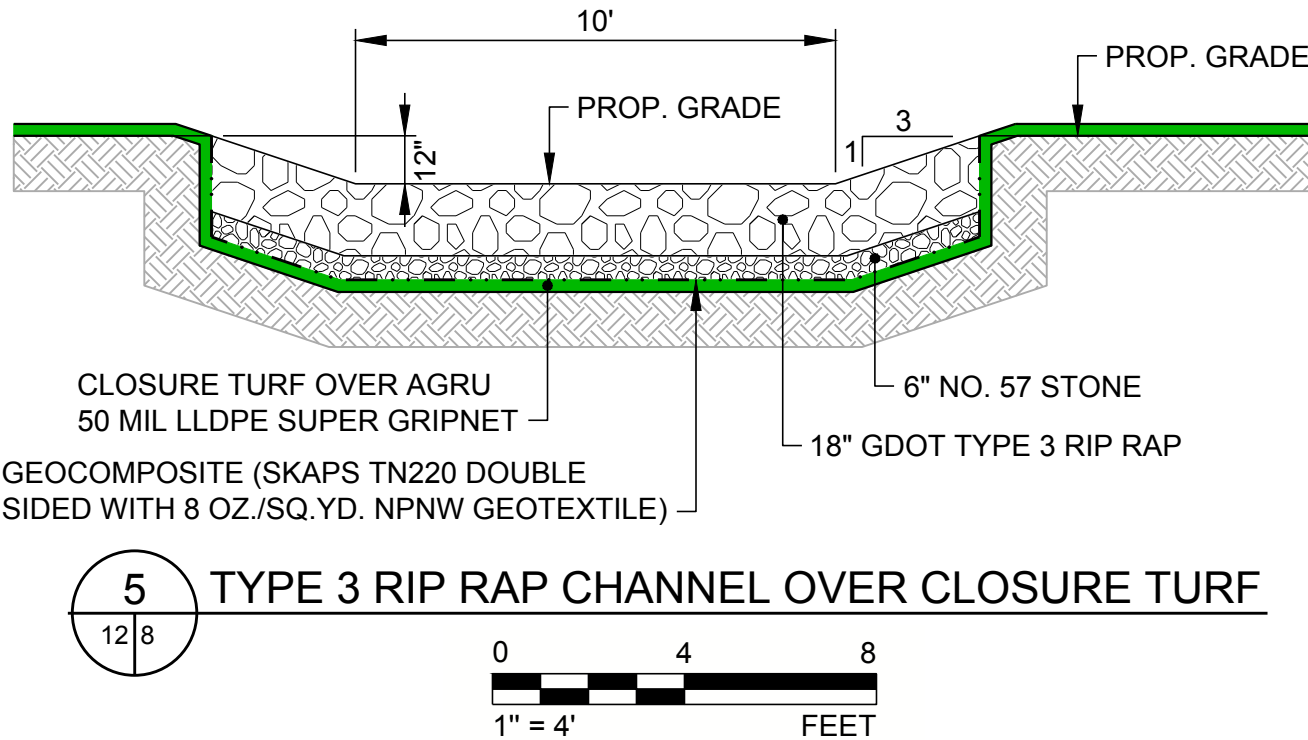
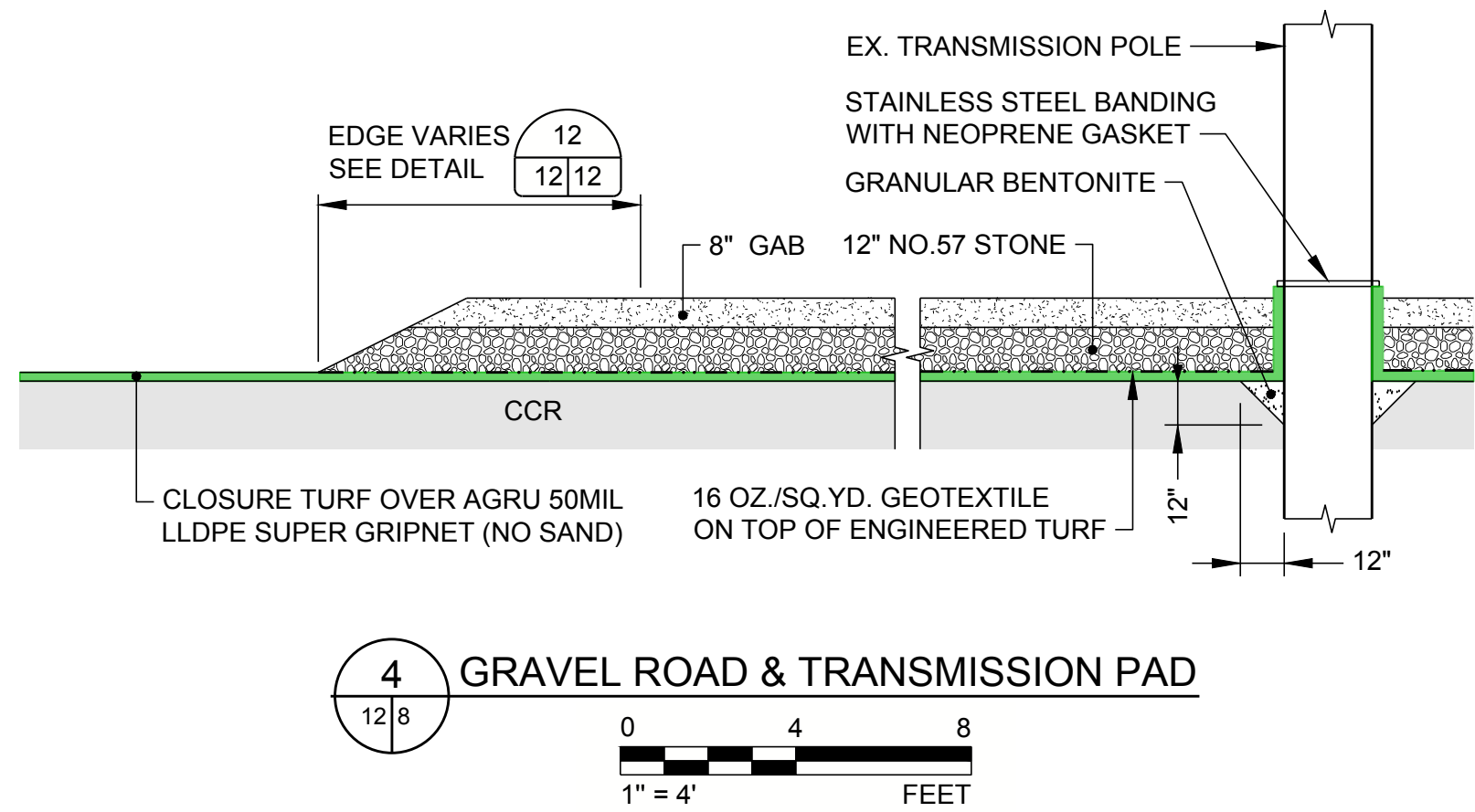
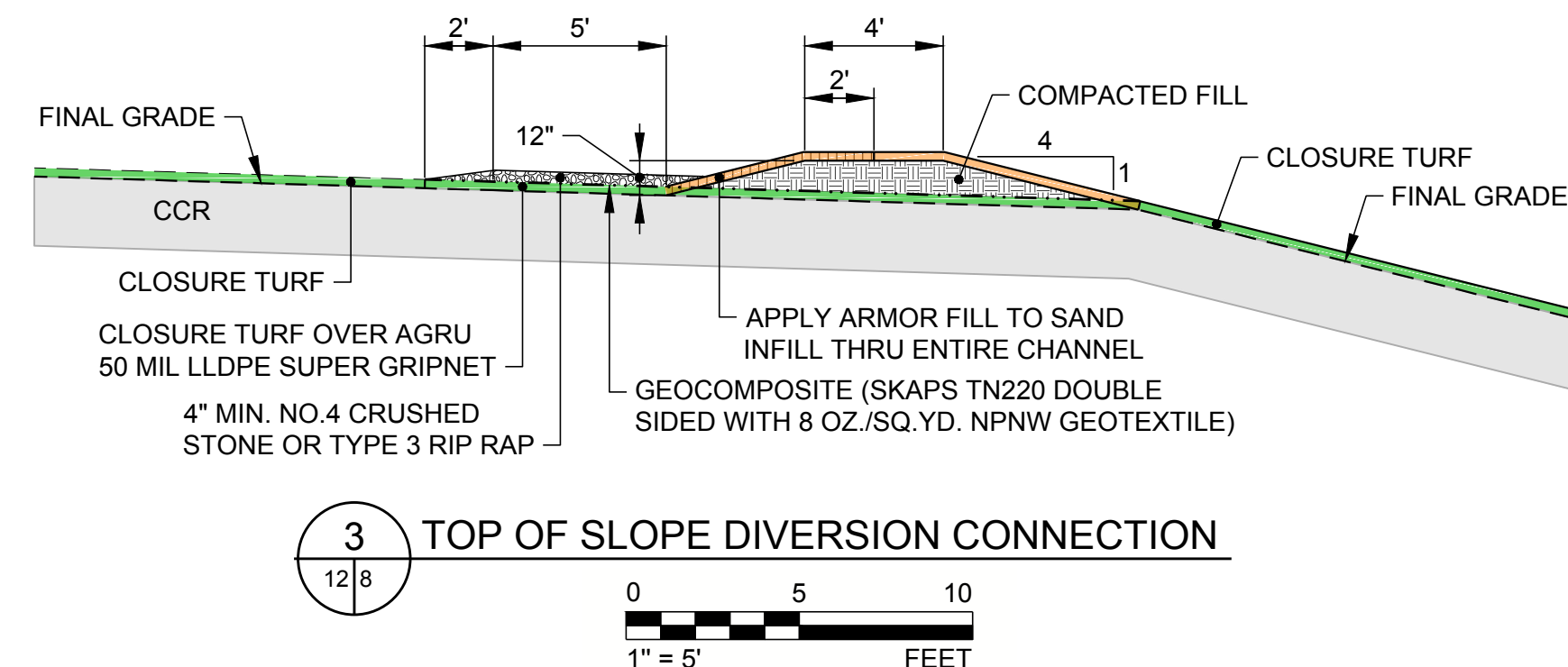
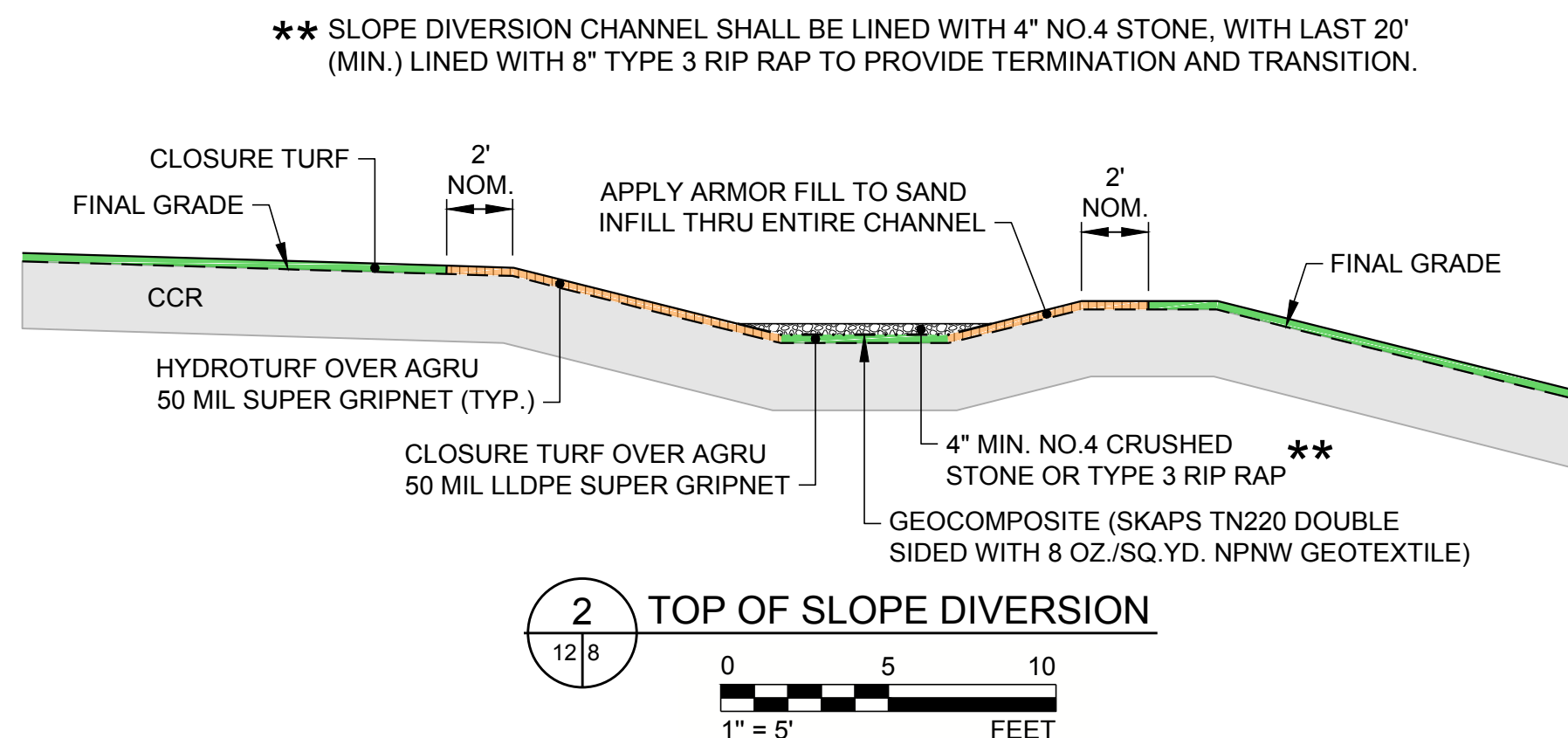
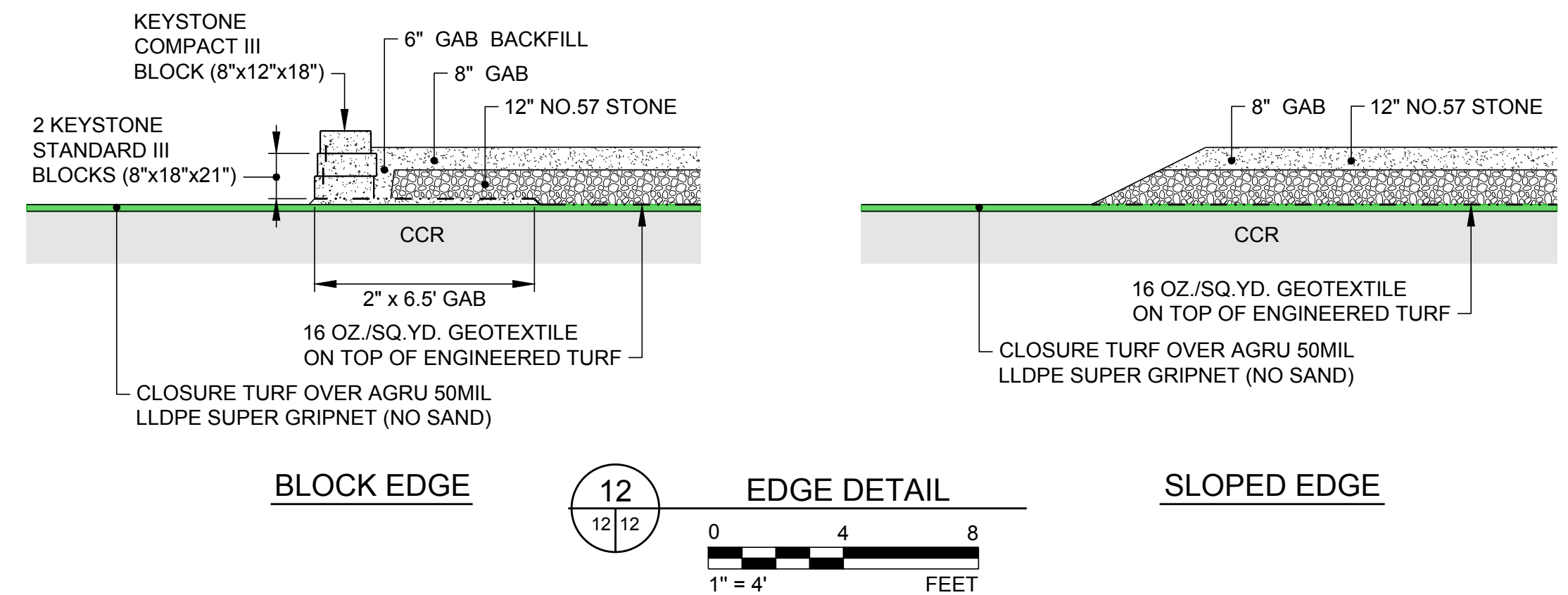
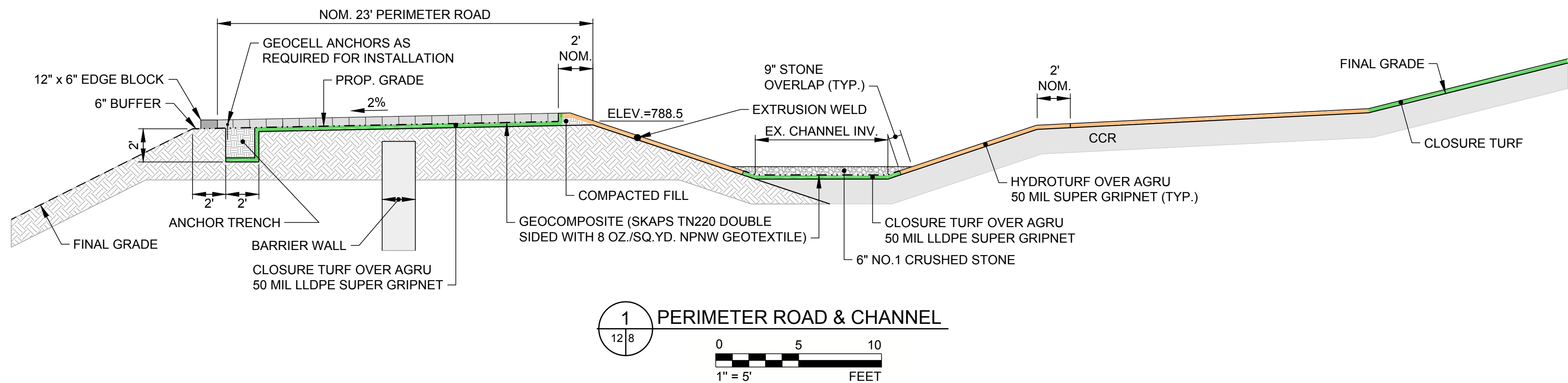


CONSULTANT	YYYY-MM-DD	2022/01/15
 GOLDER MEMBER OF WSP	DESIGNED	GLH
	PREPARED	RMS
	CHECKED	JDG/LS
	REVIEWED / APPROVED	GLH

PROJECT NO. 1777449	PROJECT ID MCD15017	REV. 0	SHEET 11
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1 in IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI D

Path: \\atlanta\cadd\Southern Company\1777449 Plant McDonough Permitting\AP-1 ACPERMIT\PRODUCTION\1 File Name: 1777449 12 PERMIT COVER DETAILS.dwg

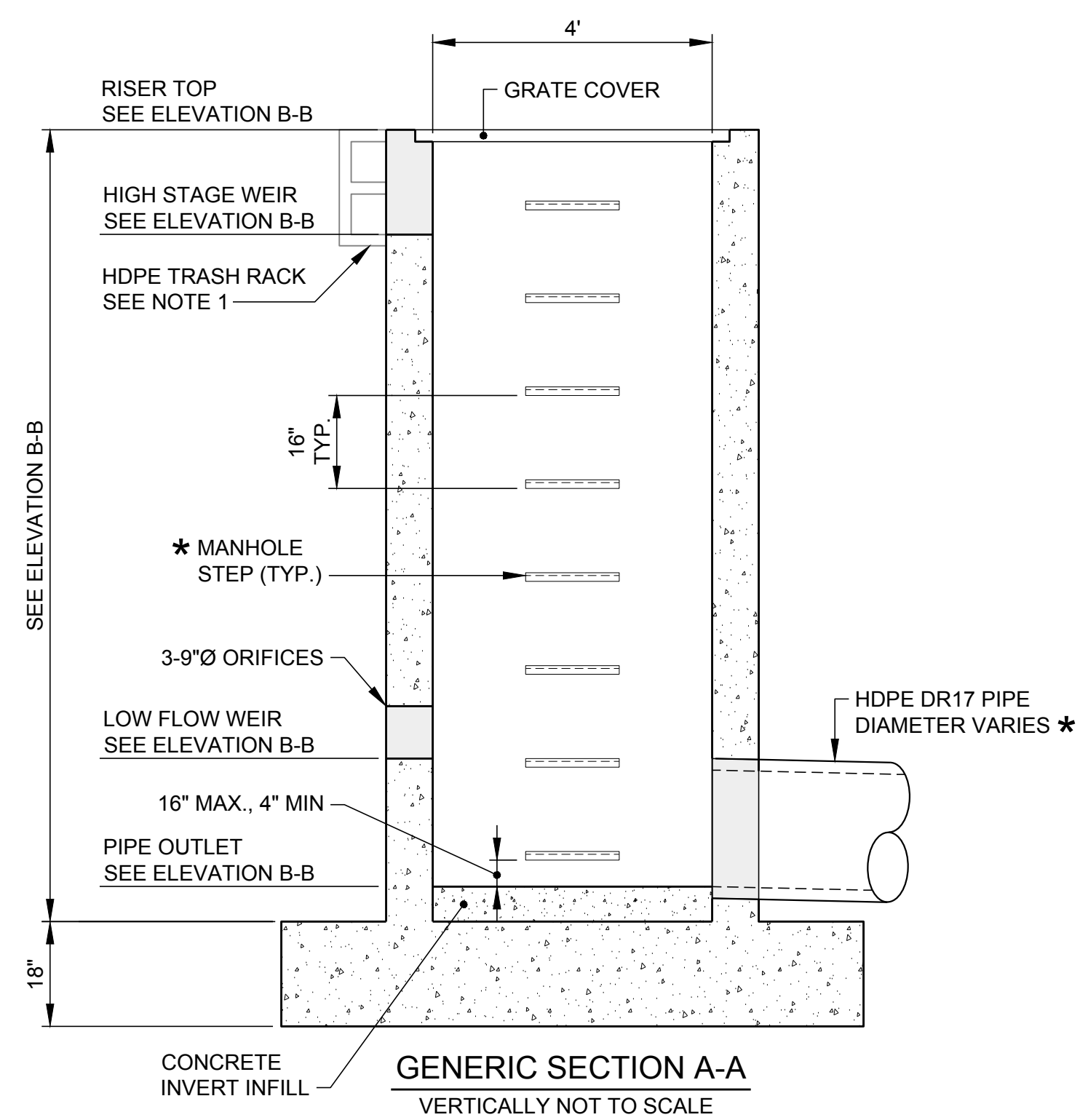


02/15/2022
ISSUED FOR PERMITTING

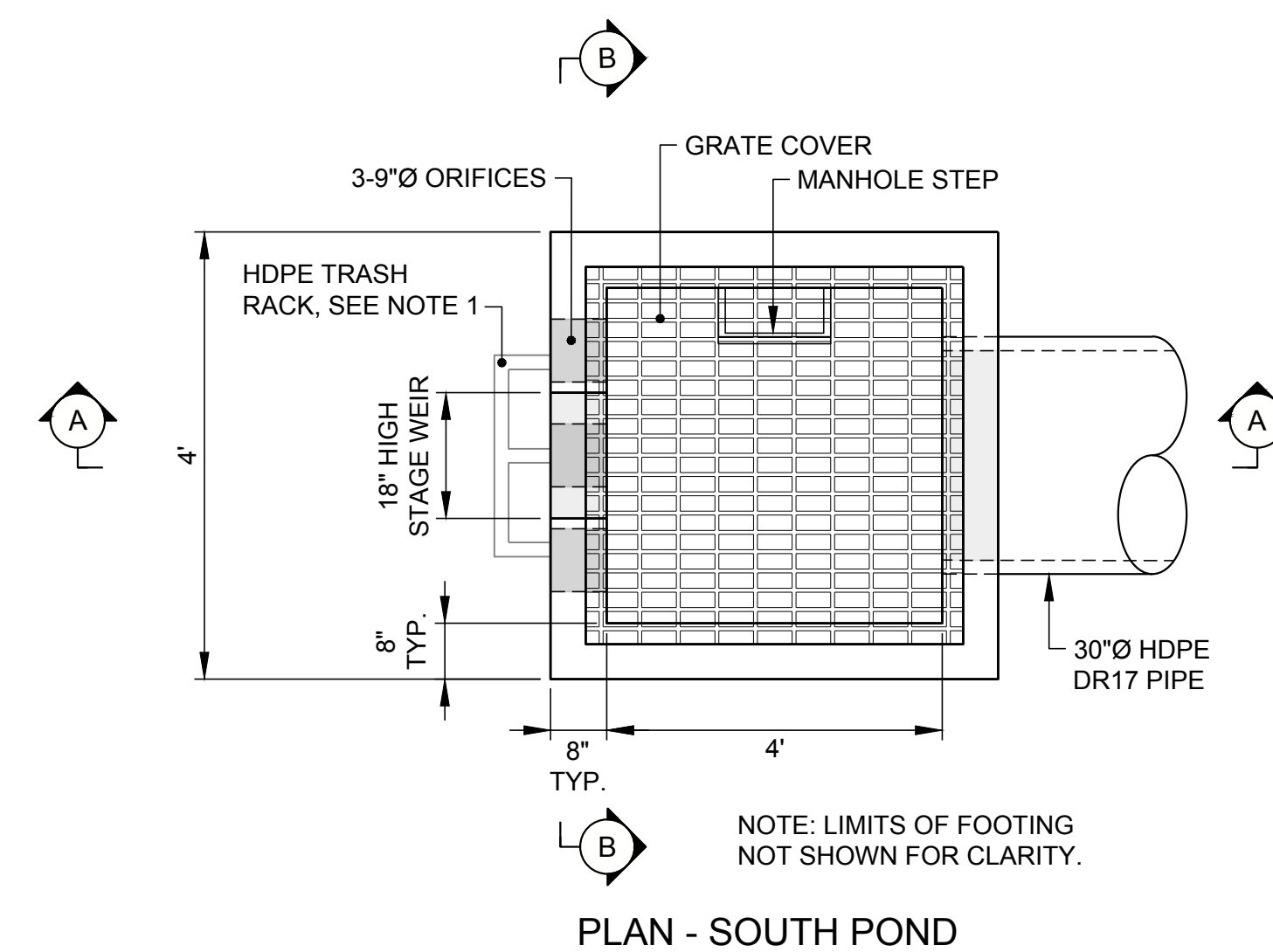
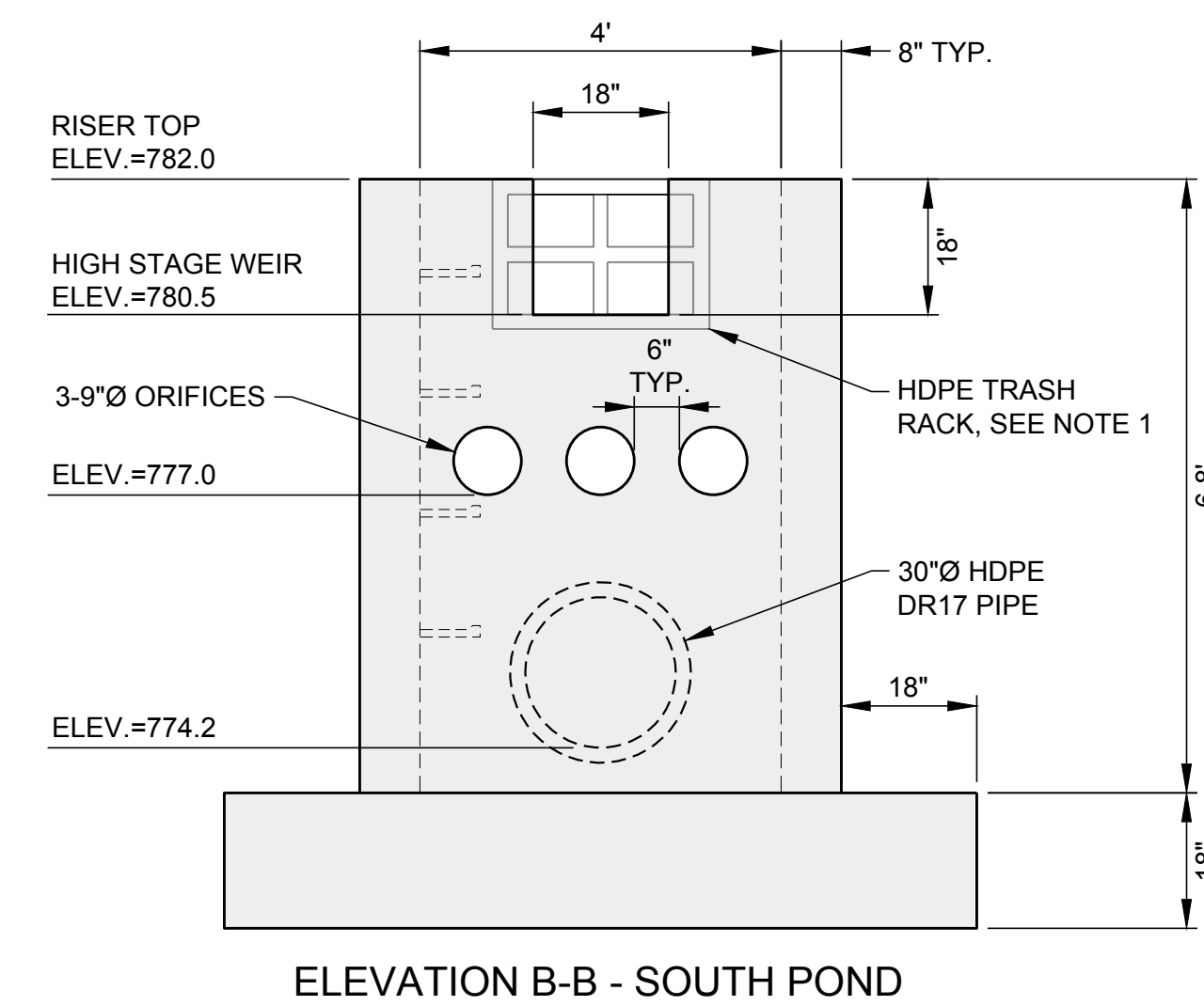
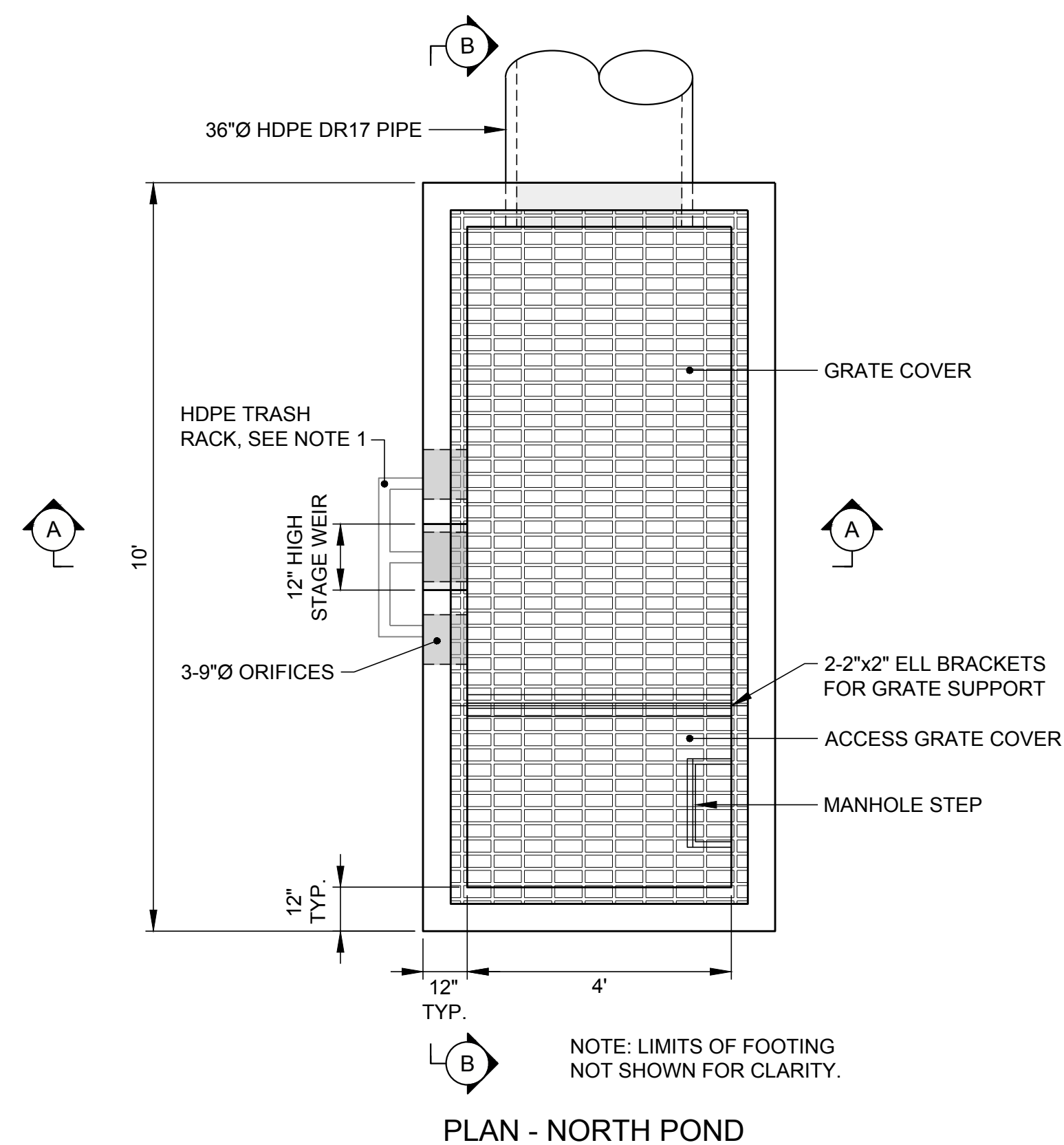
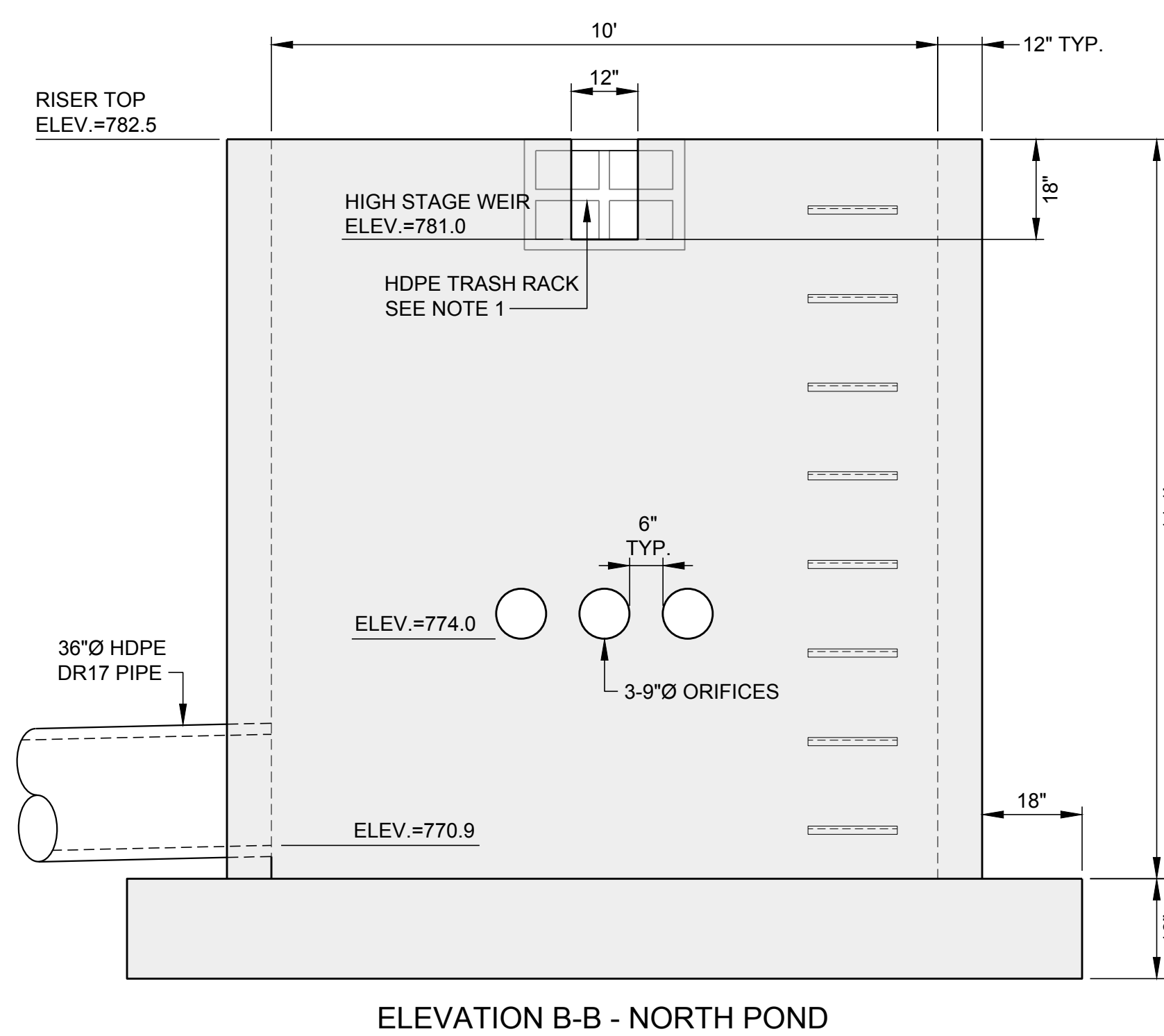
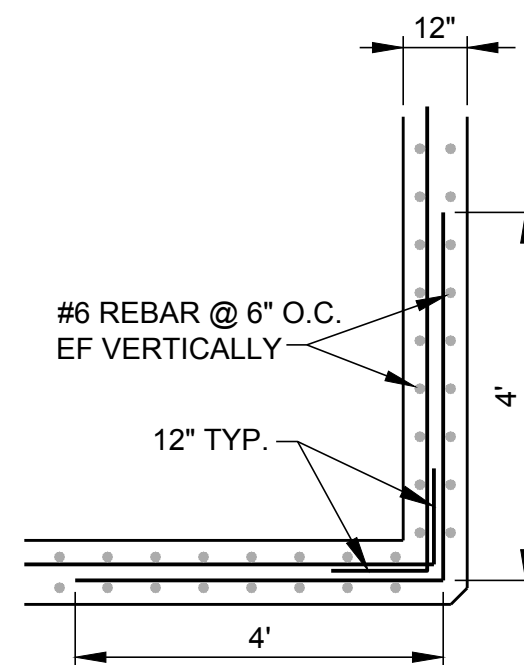
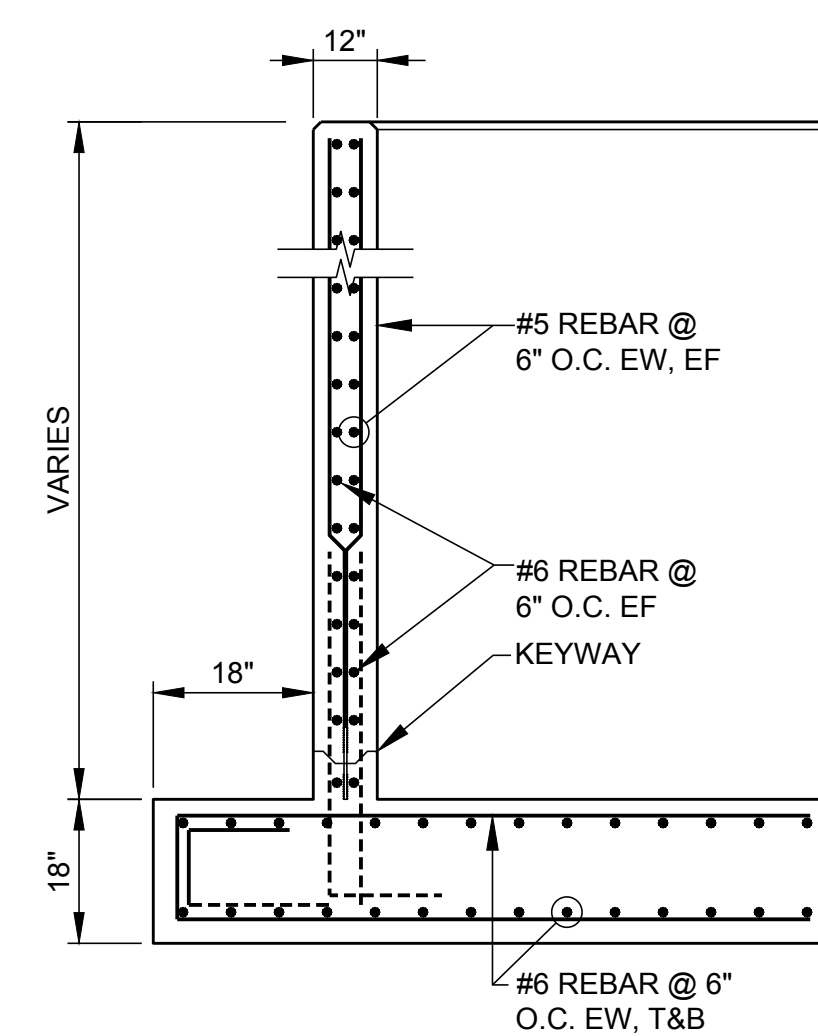
CLIENT SOUTHERN COMPANY SERVICES			
PROJECT PLANT MCDONOUGH - ATKINSON CCR UNIT AP-1 CLOSURE PLAN DRAWINGS			
TITLE COVER SYSTEM DETAILS			
CONSULTANT	YYYY-MM-DD	2022/01/15	
DESIGNED	GLH		
PREPARED	RMS		
CHECKED	JDG/LS		
REVIEWED / APPROVED	GLH		
PROJECT NO. 1777449	PROJECT ID MCD15017	REV. 0	SHEET 12



IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D 11 in



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



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.

02/15/2022
ISSUED FOR PERMITTING

CLIENT
SOUTHERN COMPANY SERVICES



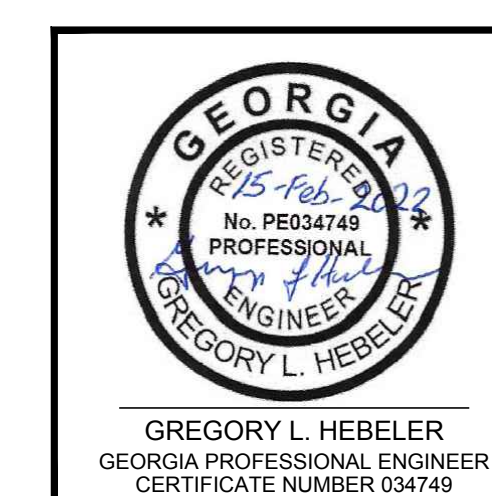
PROJECT
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS

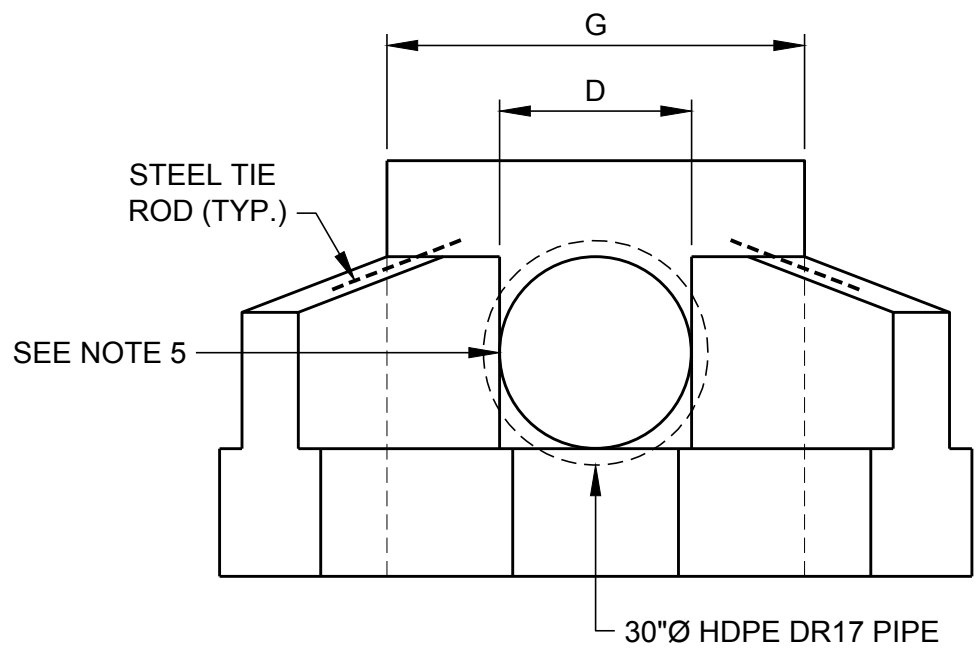


TITLE
STORMWATER MANAGEMENT DETAILS - SHEET 1

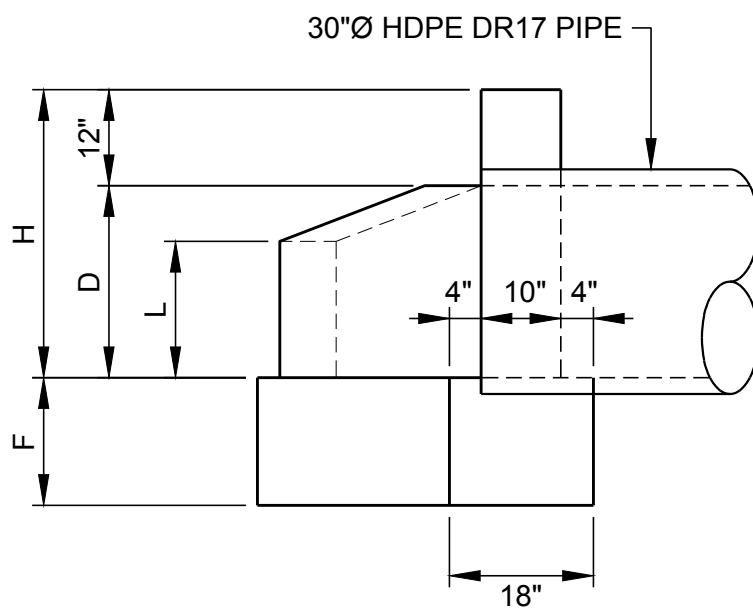
CONSULTANT	YYYY-MM-DD	2022/01/15
 GOLDER MEMBER OF WSP	DESIGNED	GLH
	PREPARED	RMS
	CHECKED	JDG/LS
	REVIEWED / APPROVED	GLH

PROJECT NO.	PROJECT ID	REV.	SHEET
1777449	MCD15017	0	13

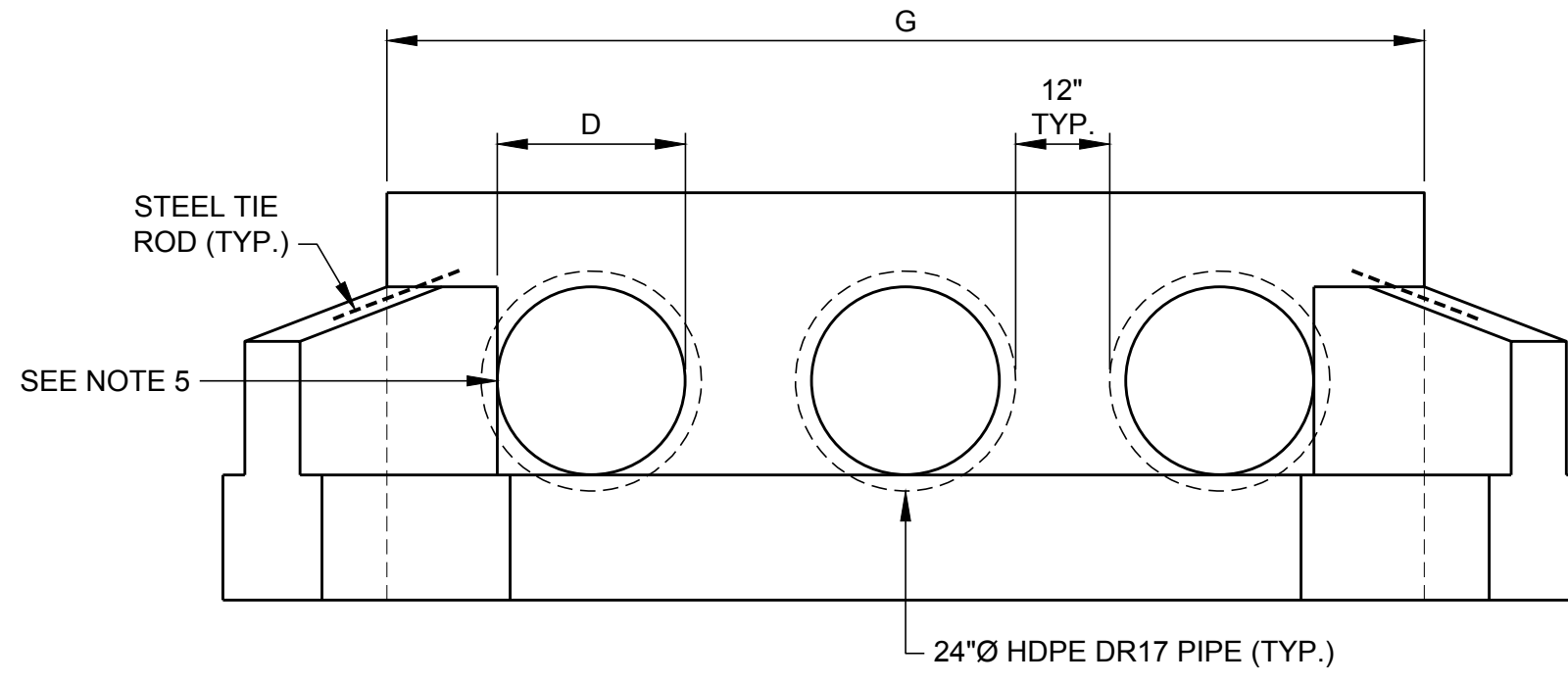




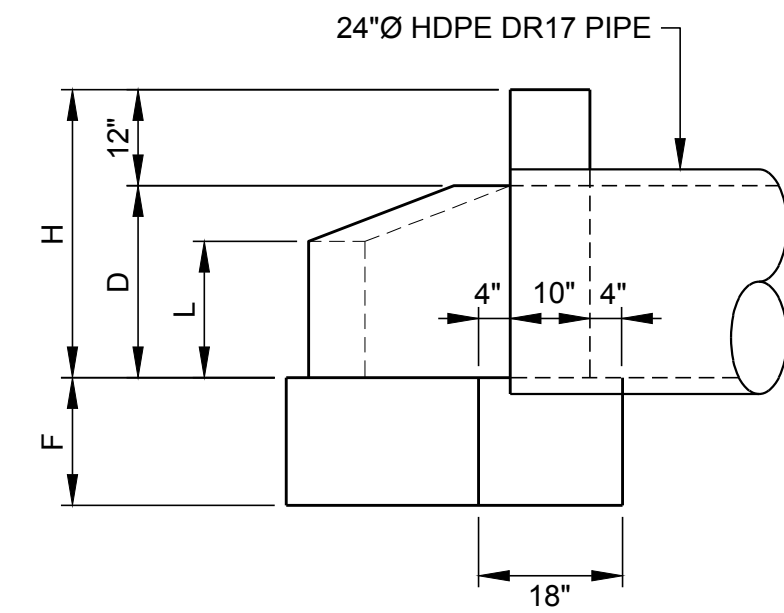
FRONT ELEVATION



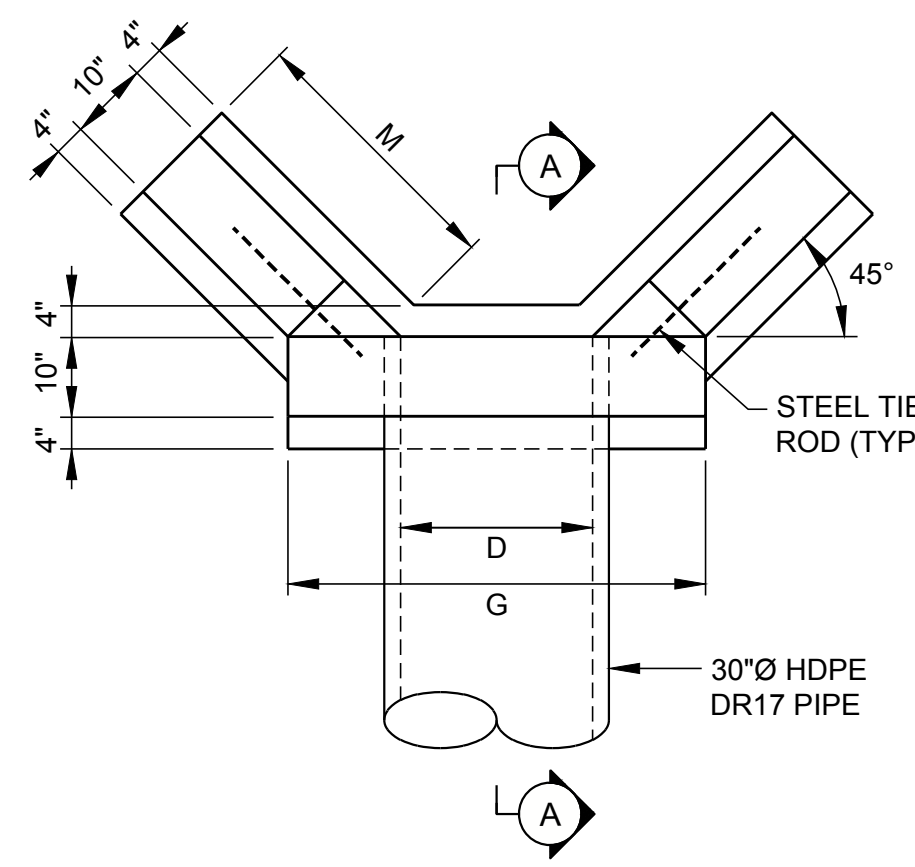
SECTION A-A



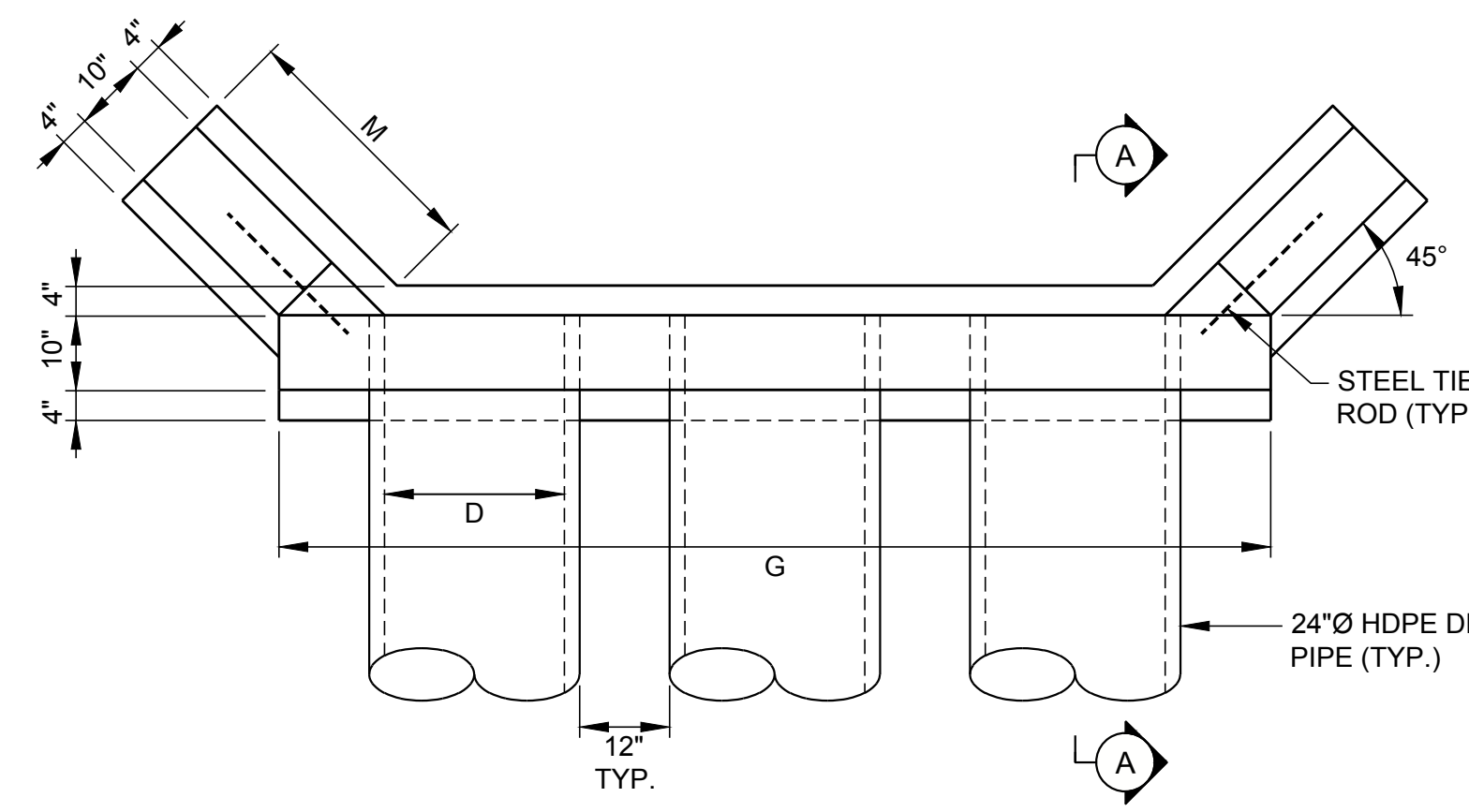
FRONT ELEVATION



SECTION A-A



PLAN



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.

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 HEADWALL DETAILS
14 9 10 NTS

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 TRIPLE PIPE HEADWALL DETAILS
14 9 10, 11 NTS

02/15/2022
ISSUED FOR PERMITTING

CLIENT
SOUTHERN COMPANY SERVICES



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



TITLE
STORMWATER MANAGEMENT DETAILS - SHEET 2

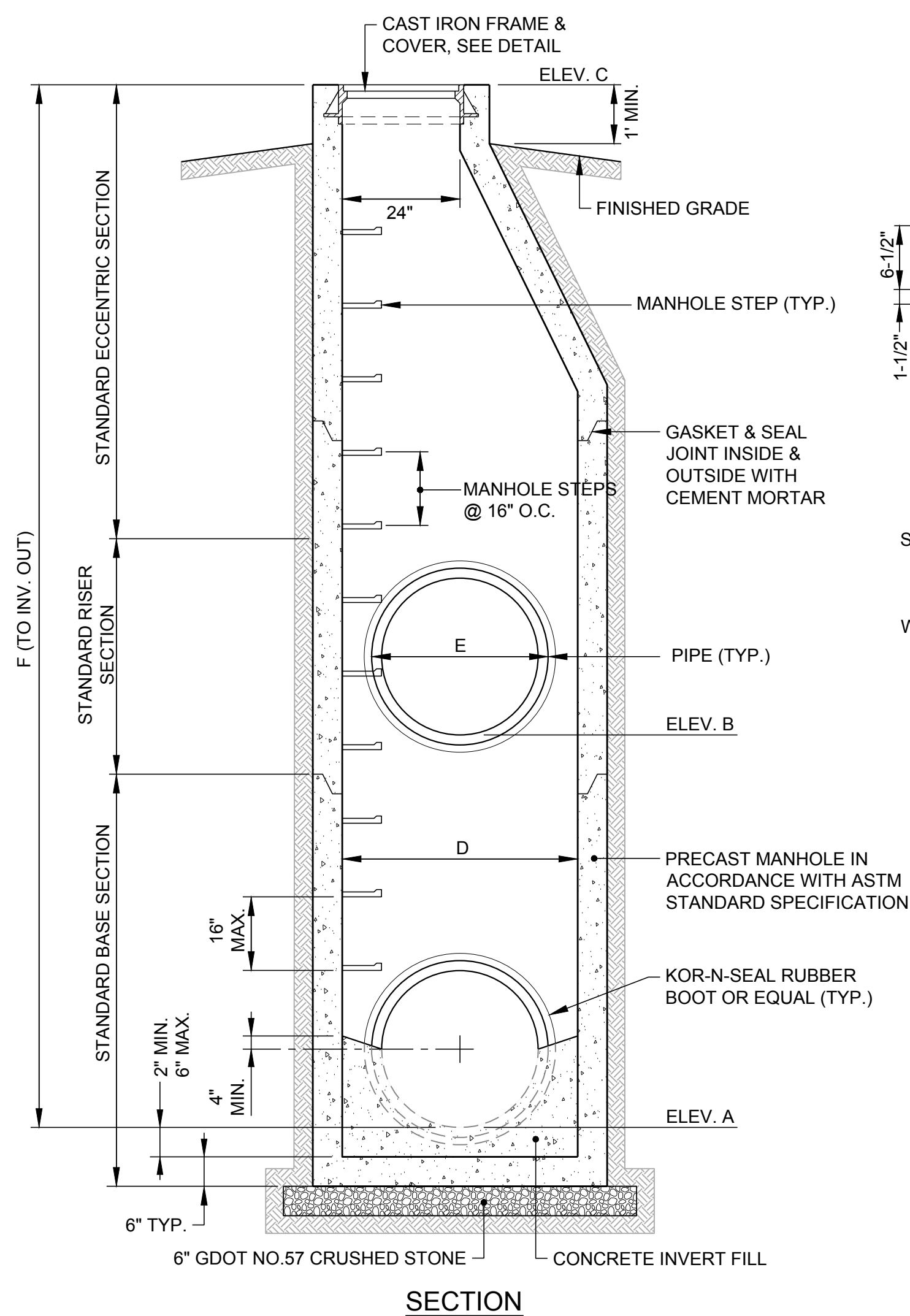


CONSULTANT	YYYY-MM-DD	2022/01/15
DESIGNED	GLH	
PREPARED	RMS	
CHECKED	JDG/LS	
REVIEWED / APPROVED	GLH	

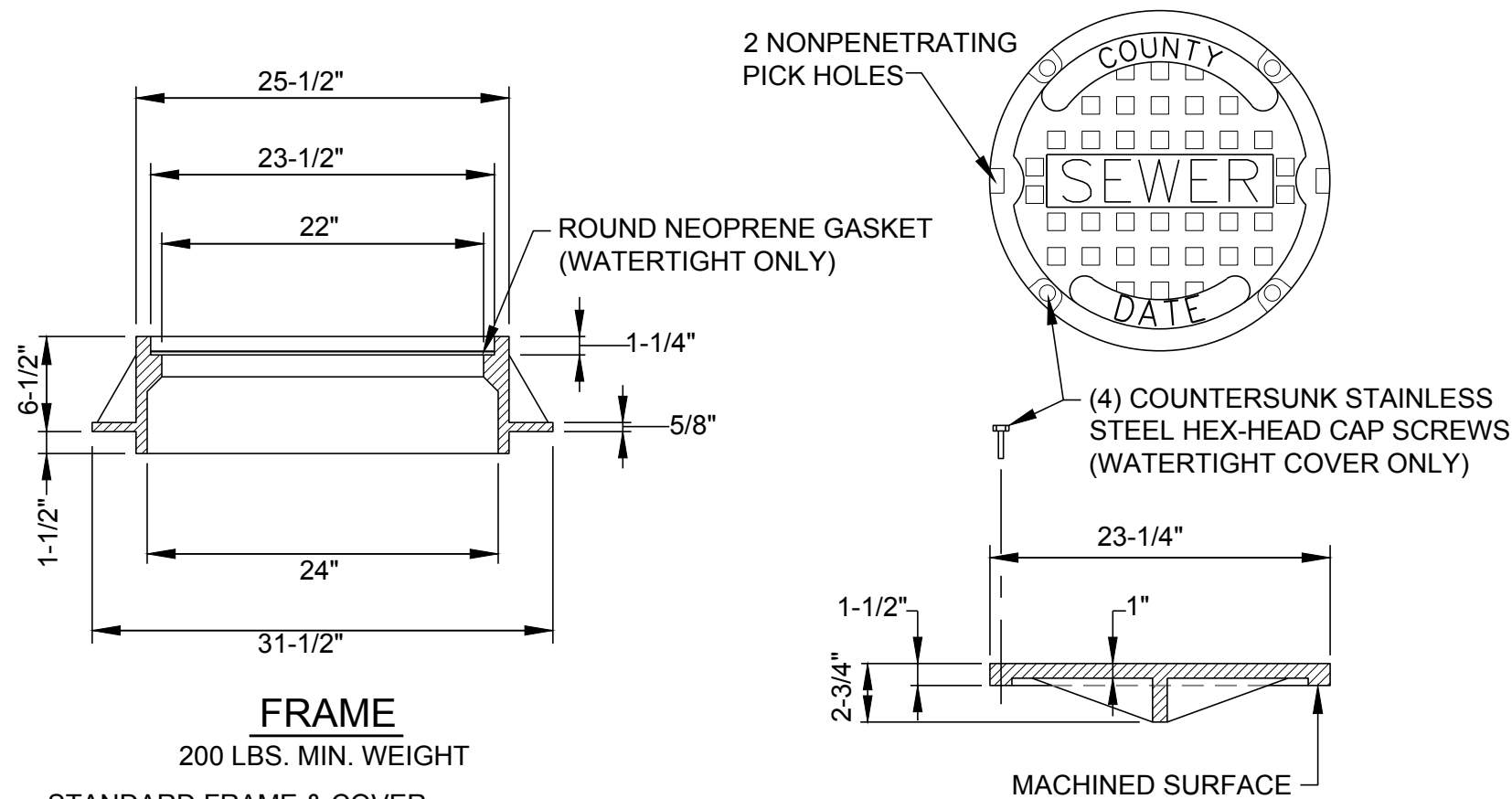


PROJECT NO. 1777449	PROJECT ID MCD15017	REV. 0	SHEET 14
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SECTION



FRAME

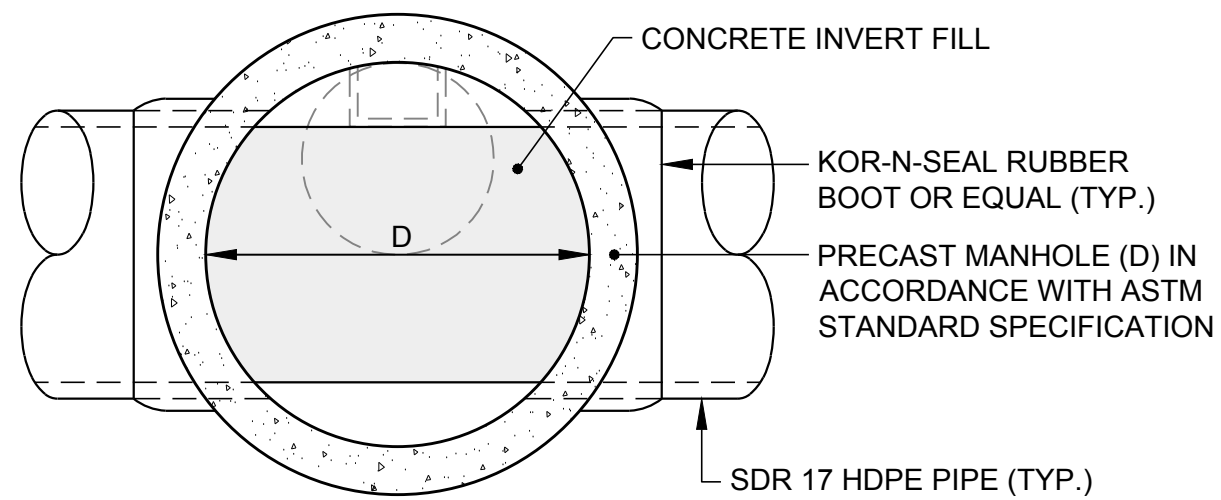
200 LBS. MIN. WEIGHT

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 MANHOLE DETAIL
15/9 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.

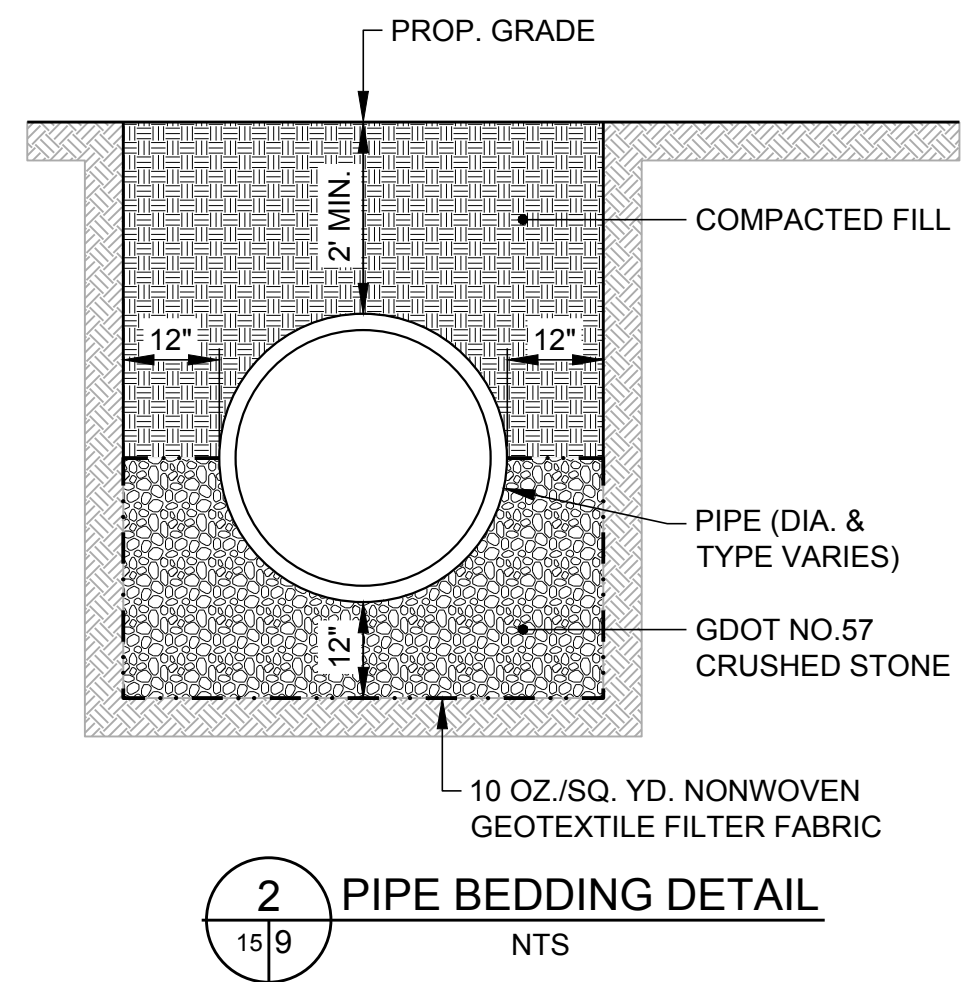
4. MORTAR SHALL BE TYPE S OR M.

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 PIPE BEDDING DETAIL
15/9 NTS

02/15/2022
ISSUED FOR PERMITTING

CLIENT
SOUTHERN COMPANY SERVICES



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



TITLE
STORMWATER MANAGEMENT DETAILS - SHEET 3

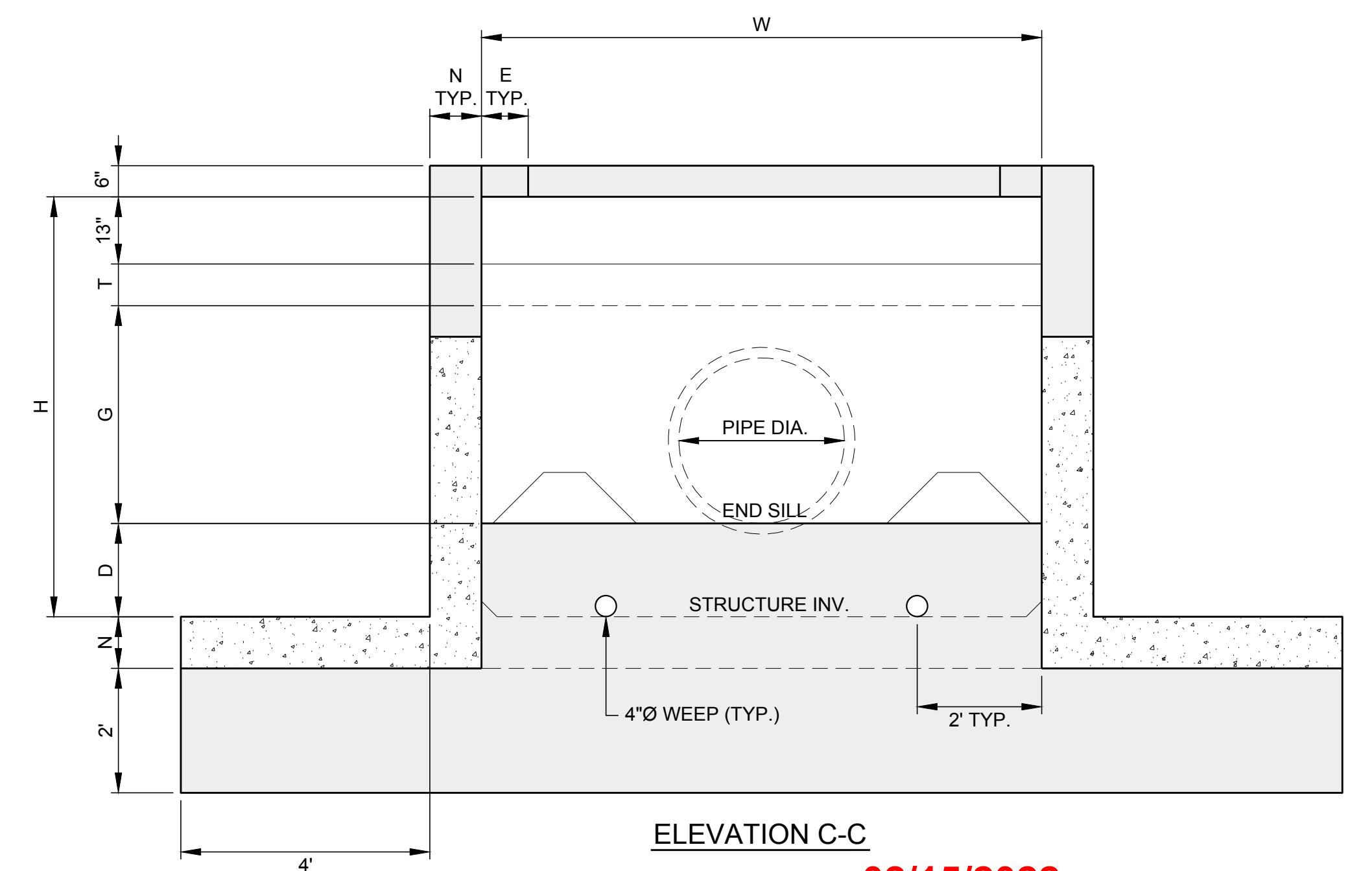
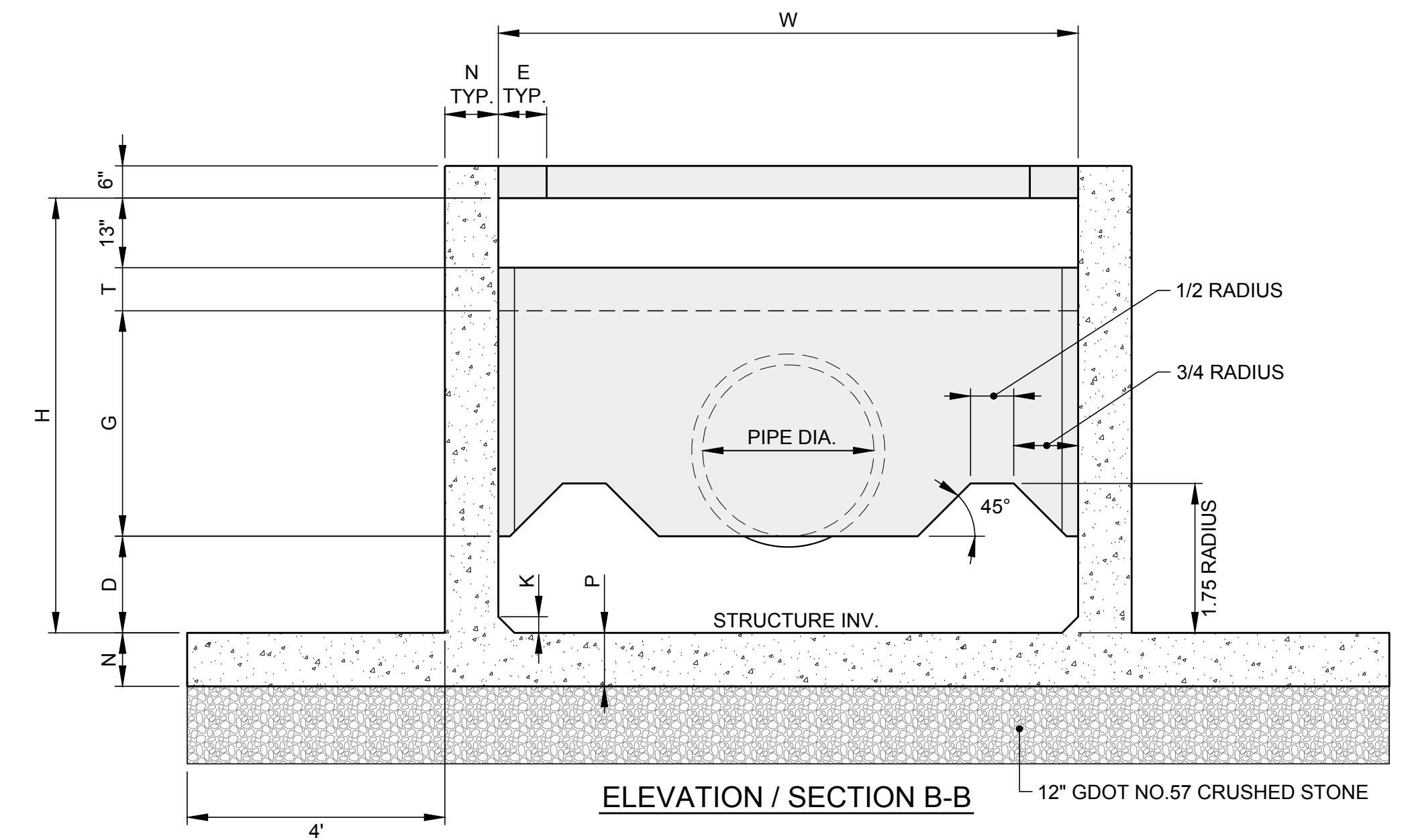
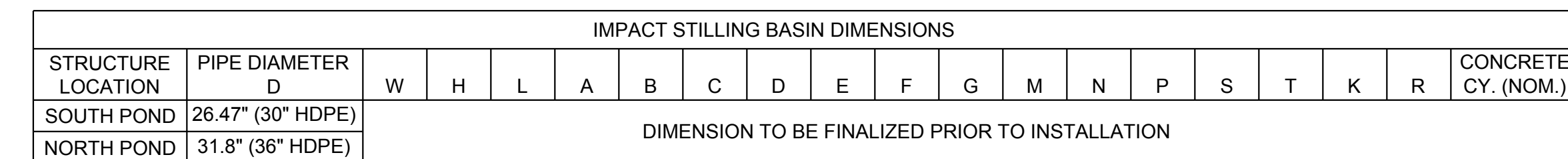


CONSULTANT	YYYY-MM-DD	2022/01/15
DESIGNED	GLH	
PREPARED	RMS	
CHECKED	JDG/LS	
REVIEWED / APPROVED	GLH	



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

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



02/15/2022
ISSUED FOR PERMITTING

CLIENT
SOUTHERN COMPANY SERVICES



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



TITLE
STORMWATER MANAGEMENT DETAILS - SHEET 4

CONSULTANT

YYYY-MM-DD 2022/01/15

DESIGNED	GLH
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PREPARED	RMS
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CHECKED	JDG/LS
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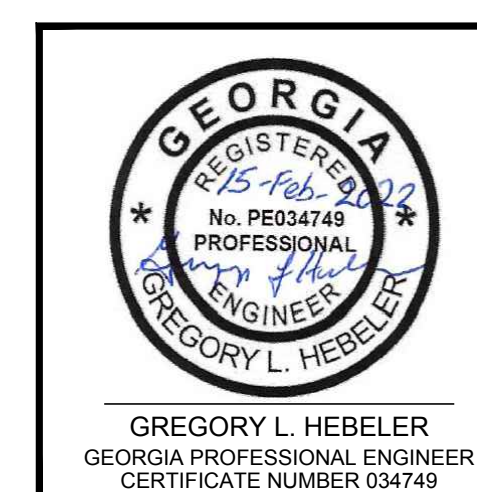
REVIEWED / APPROVED GLH

PROJECT NO.
1777449

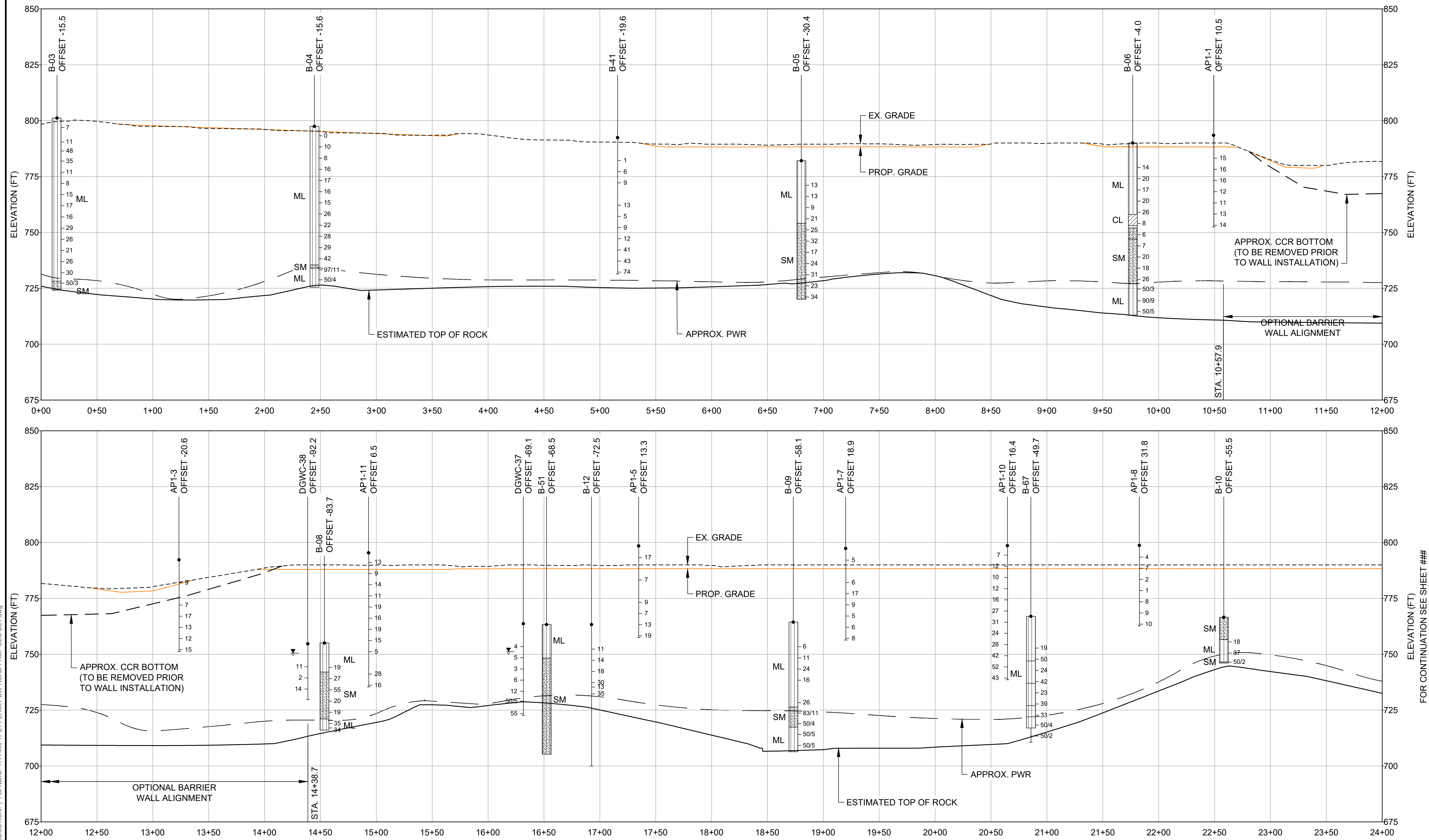
PROJECT ID
MCD15017

REV.
0

HEET
16



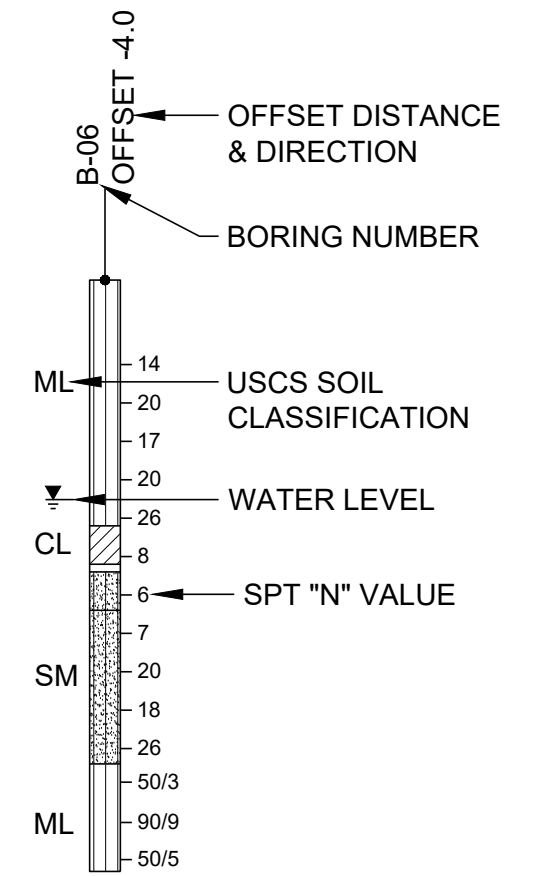
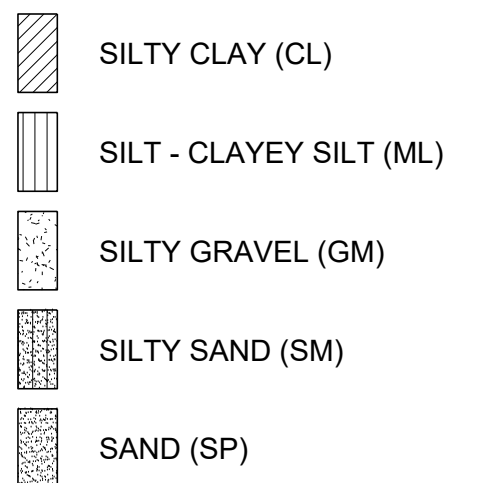
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1
17A 9

OPTION A BARRIER WALL - PROFILE

LEGEND



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 OCTOBER 2021 AS PRESENTED IN GROUNDWATER MONITORING PLAN, DATED JANUARY 2022.
4. SUBSURFACE BARRIER WALL ALIGNMENT OPTION A ALLOWS FOR CONSTRUCTABILITY CLEARANCES IN THE VICINITY OF EXISTING OVERHEAD ELECTRIC LINES.

2024/03/29
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SOUTHERN COMPANY SERVICES



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



TITLE
BARRIER WALL PROFILE - SHEET 1 OPTION A

CONSULTANT	YYYY-MM-DD	2024/03/06
DESIGNED	GLH	
PREPARED	RMS	
CHECKED	JDG/LS	
REVIEWED / APPROVED	GLH	

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

0 50 100
1" = 50' FEET

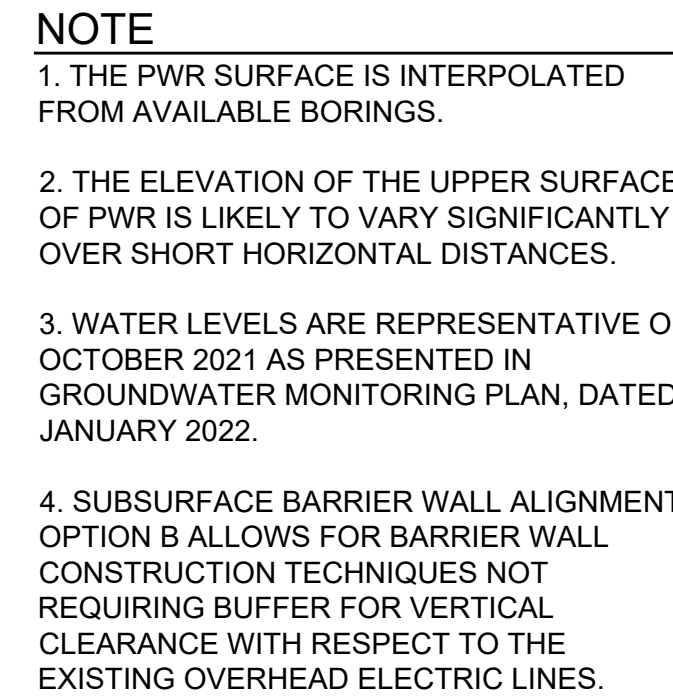
2X VERTICAL EXAGGERATION



GREGORY L. HEBEL
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749



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



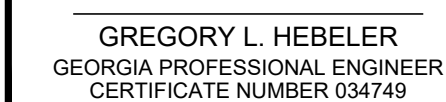
2024/03/29
ISSUED FOR PERMITTING

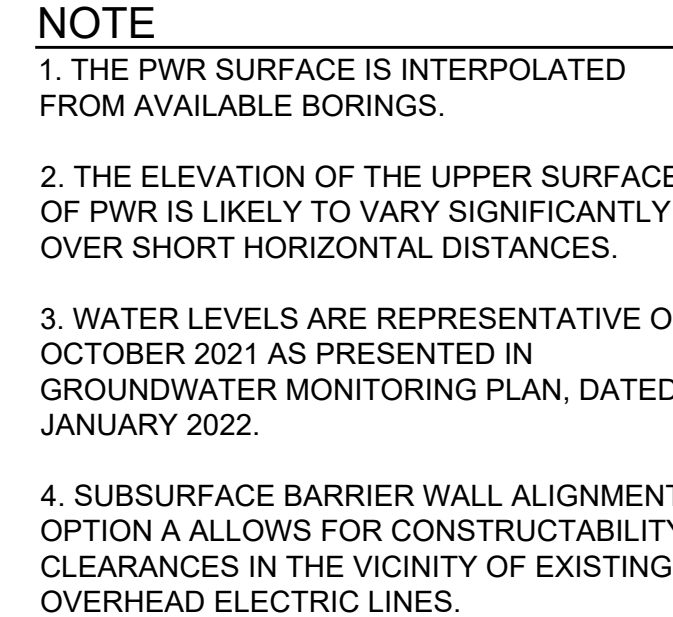


Georgia
Power

CONSULTANT	YYYY-MM-DD	2024/03/06
	DESIGNED	GLH
	PREPARED	RMS
	CHECKED	JDG/LS
	REVIEWED / APPROVED	GLH

PROJECT NO. 1777449	PROJECT ID MCD15017	REV. 0	SHEET 17B
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CLIENT
SOUTHERN COMPANY SERVICES

 Southern
Company

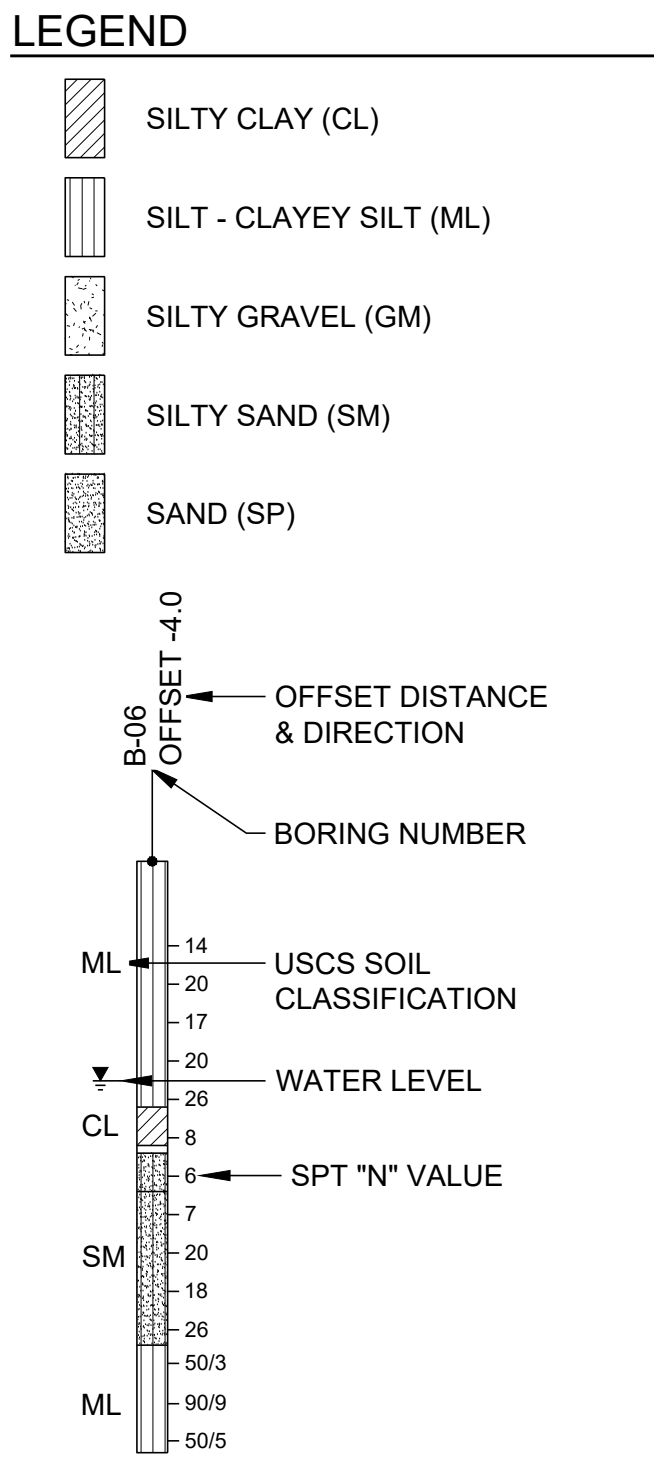
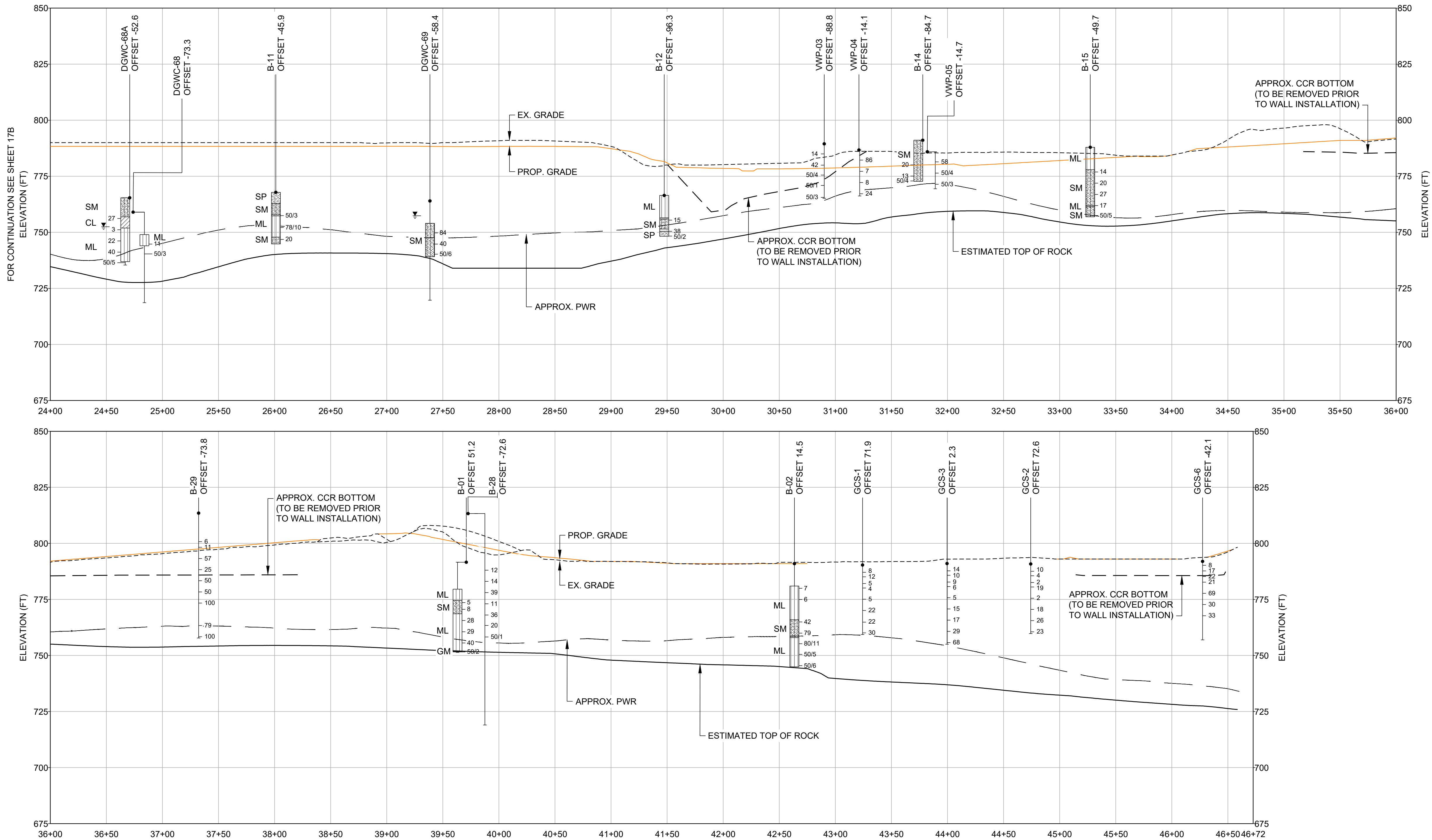
TITLE
BARRIER WALL PROFILE - SHEET 2 OPTION A



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



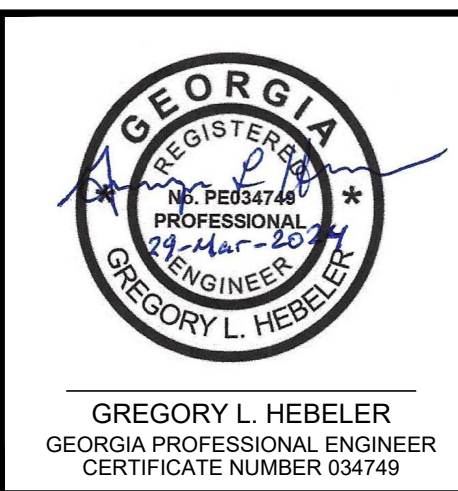
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1
18B 9

OPTION B BARRIER WALL - PROFILE

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



CLIENT
SOUTHERN COMPANY SERVICES



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



TITLE
BARRIER WALL PROFILE - SHEET 2 OPTION B

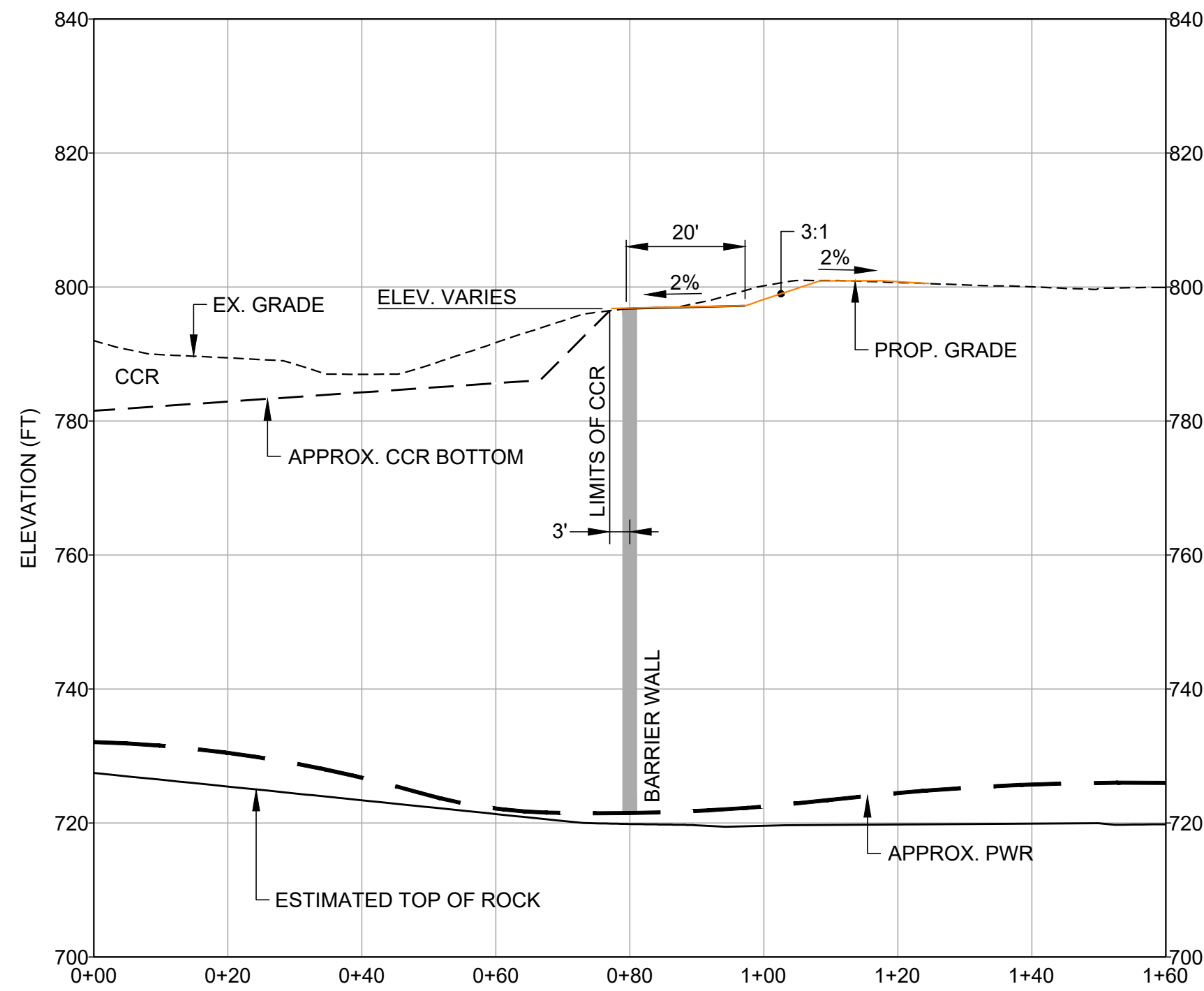
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DESIGNED	GLH	
PREPARED	RMS	
CHECKED	JDG/LS	
REVIEWED / APPROVED	GLH	

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

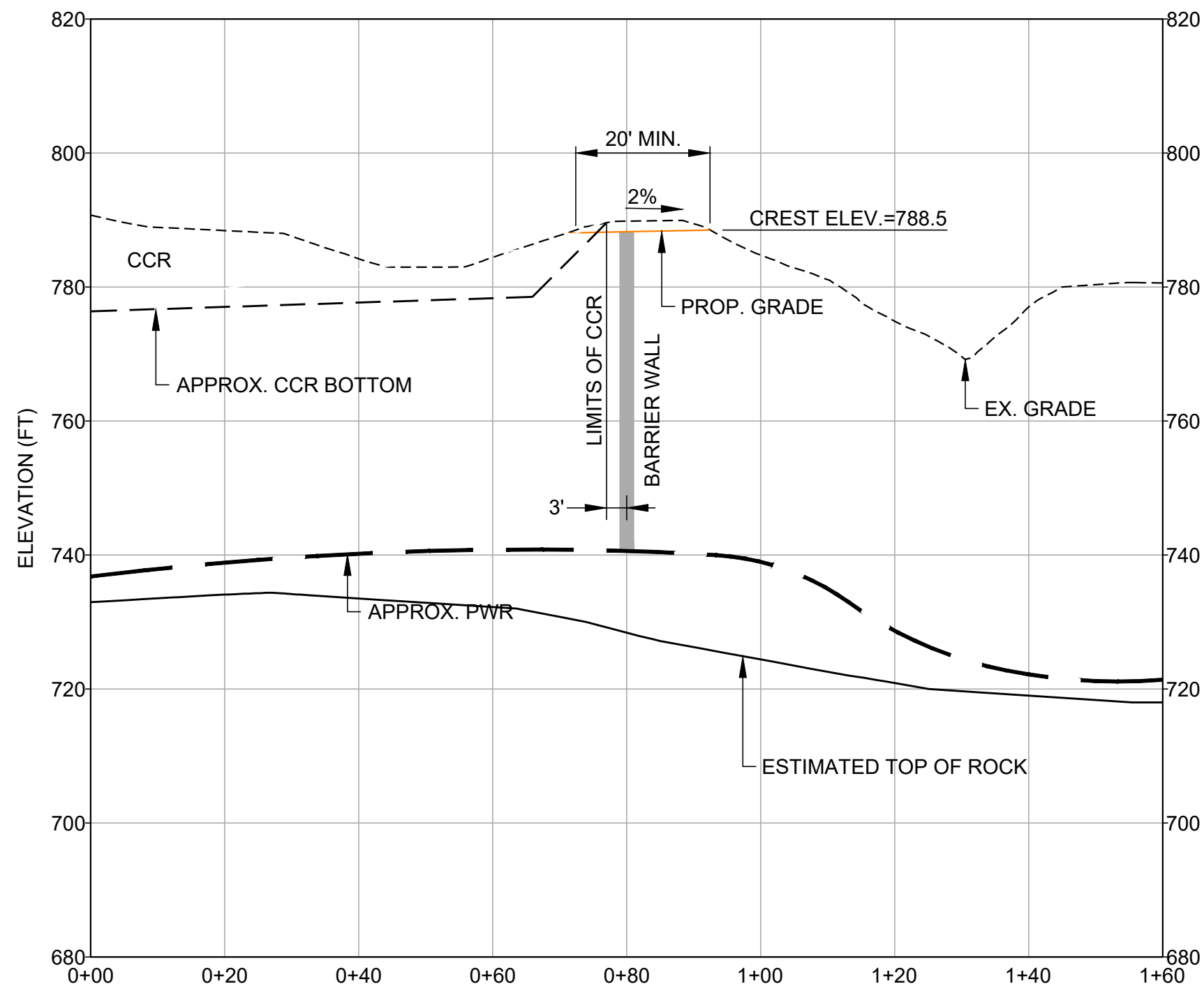
2024/03/29
ISSUED FOR PERMITTING

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

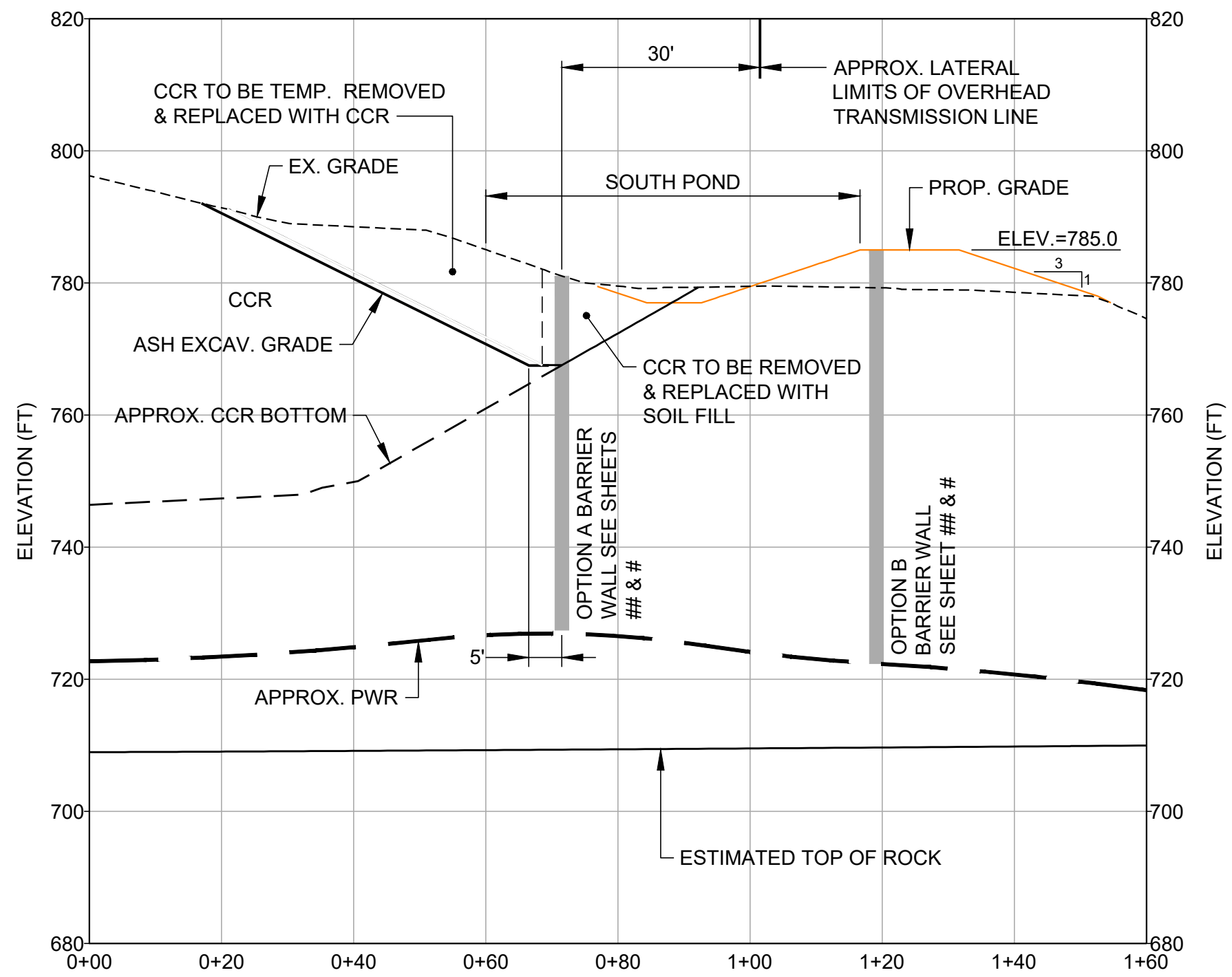
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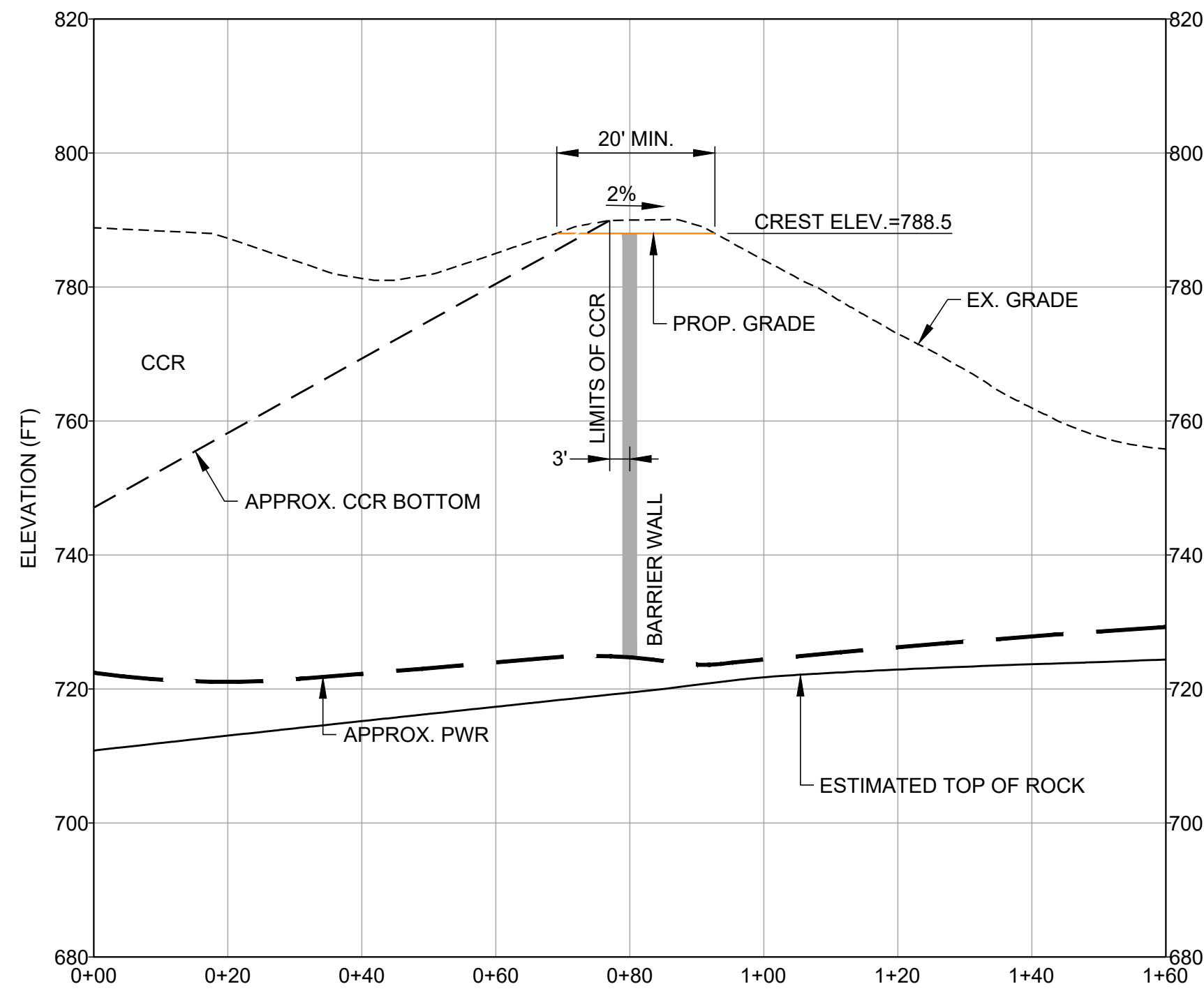
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19/9 BARRIER WALL - SECTION B1-B1



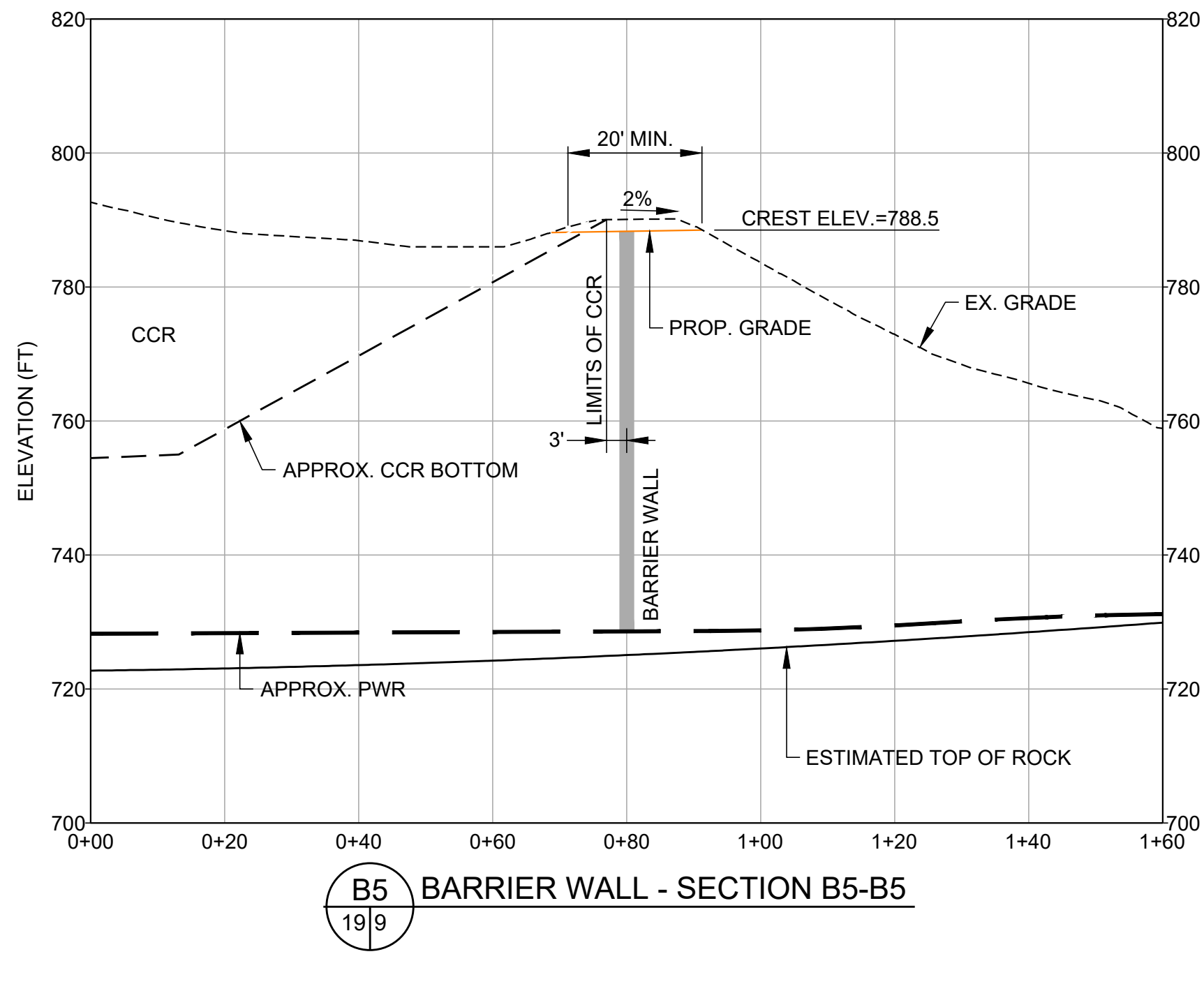
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19/9 BARRIER WALL - SECTION B2-B2



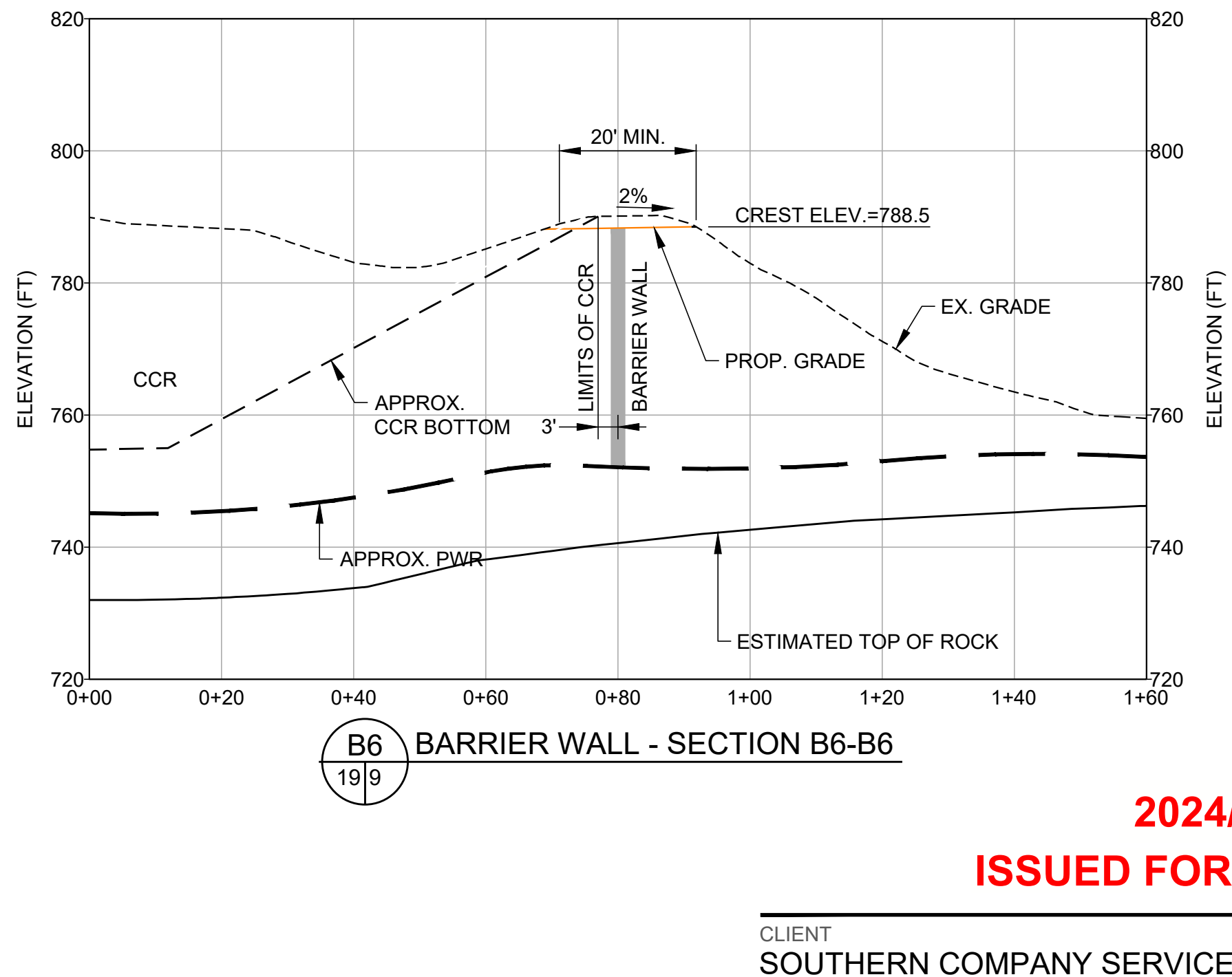
B3
19/9 BARRIER WALL - SECTION B3-B3



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

2024/03/29
ISSUED FOR PERMITTING

CLIENT
SOUTHERN COMPANY SERVICES



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



TITLE
BARRIER WALL SECTIONS - SHEET 1

0 20 40
1" = 20' FEET



GREGORY L. HEBEL
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

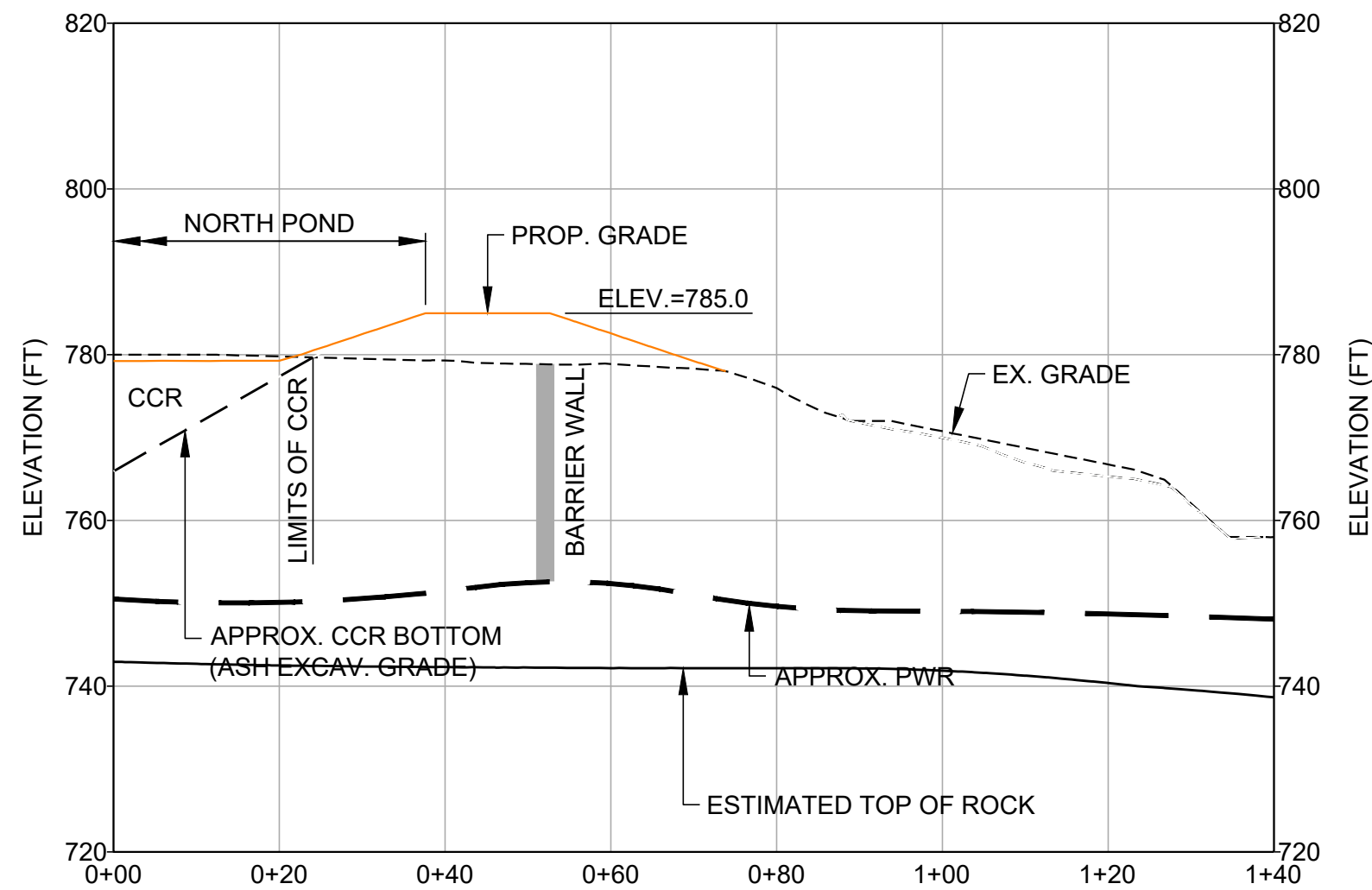


CONSULTANT	YYYY-MM-DD	2024/03/06
DESIGNED	GLH	
PREPARED	RMS	
CHECKED	JDG/LS	
REVIEWED / APPROVED	GLH	

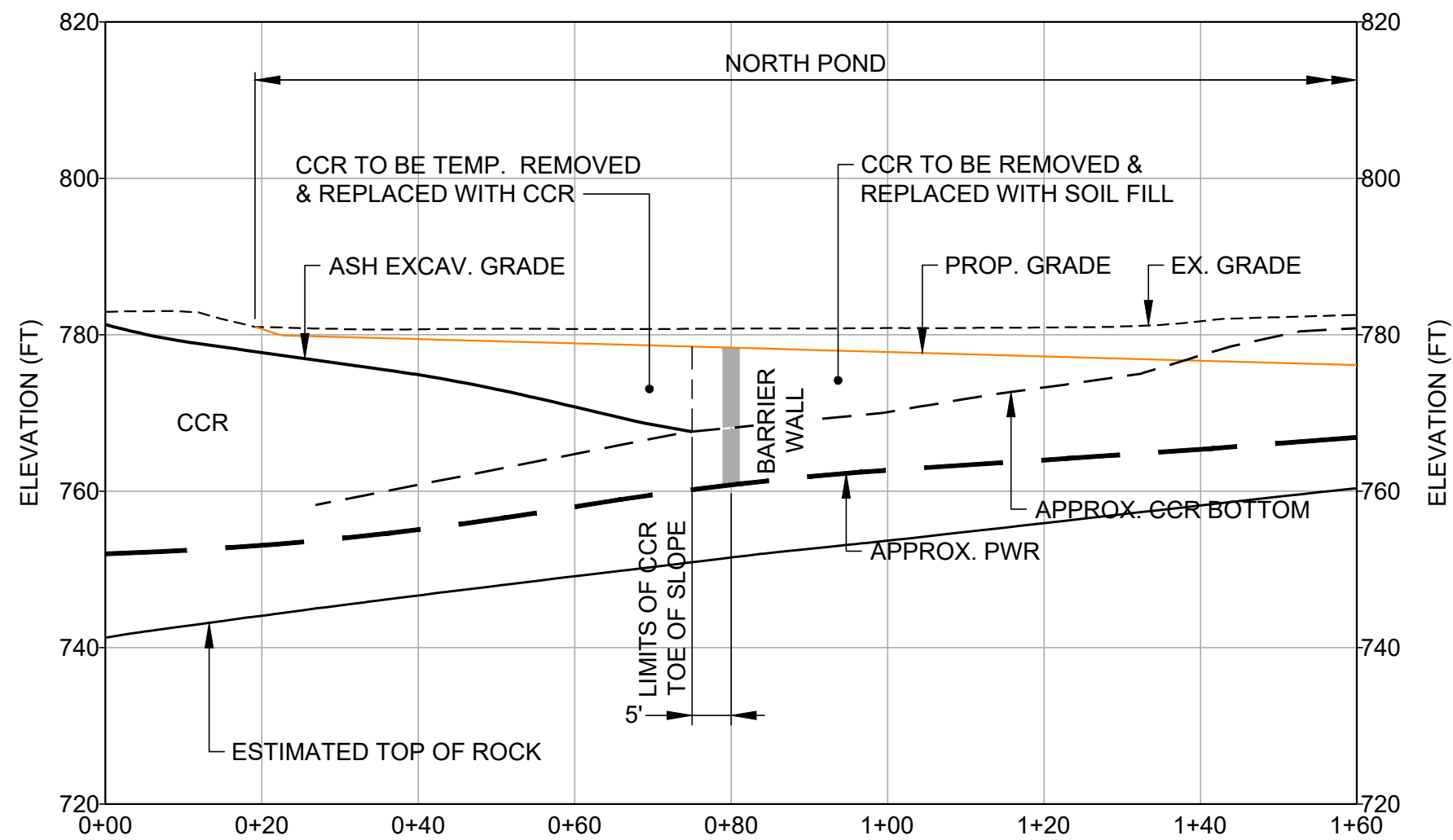
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1777449	MCD15017	0	19

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM A3S D

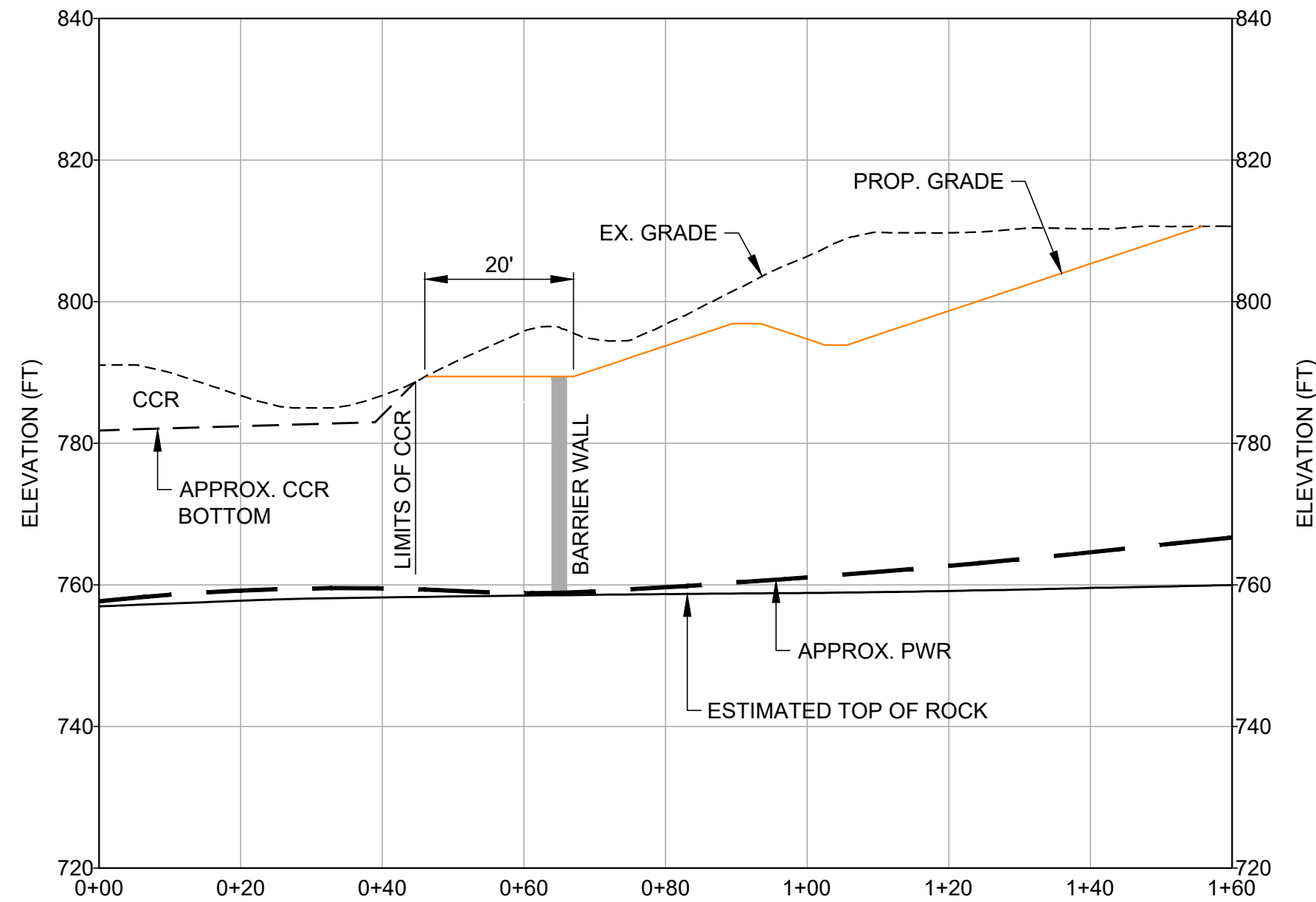
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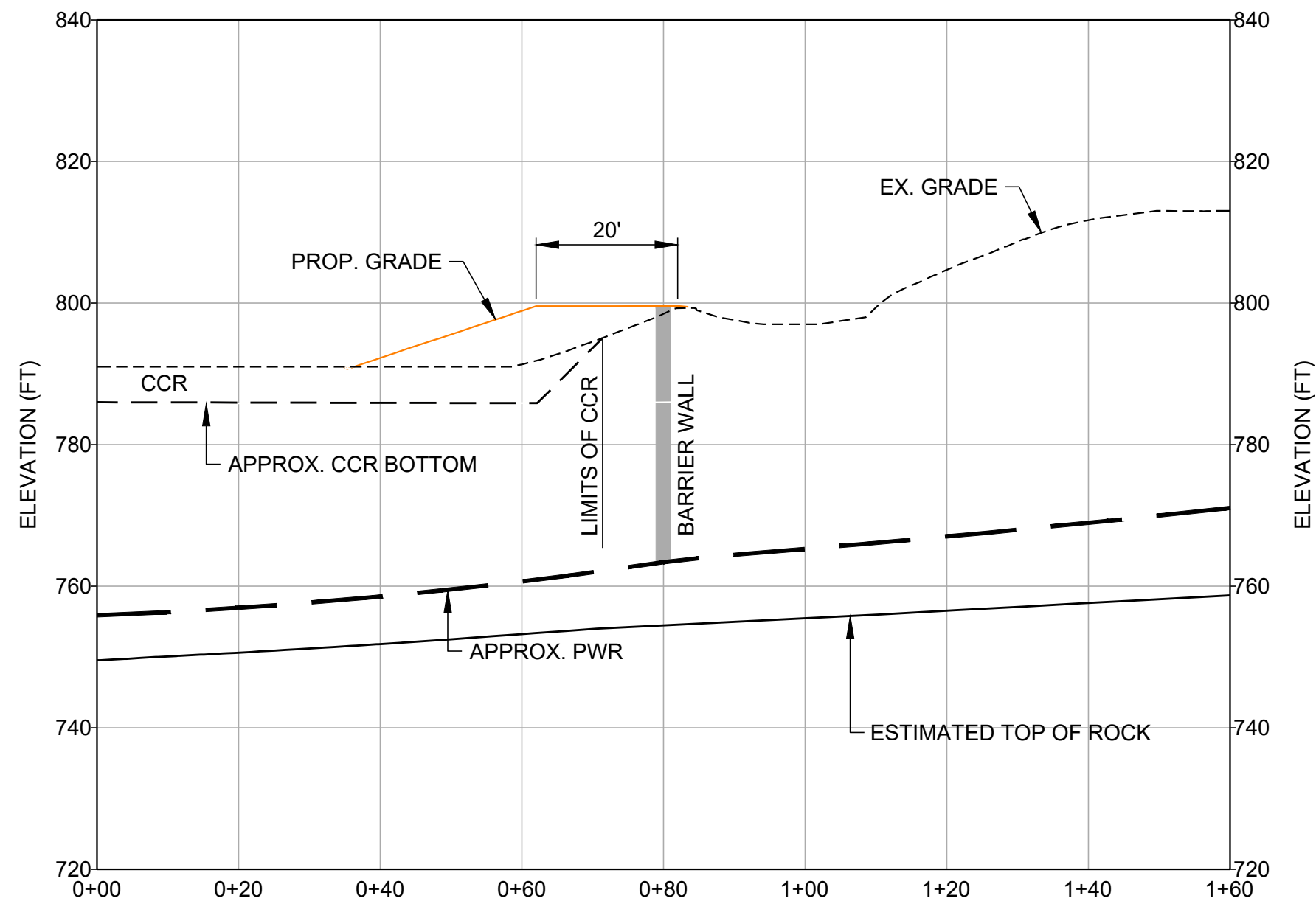
B7
20|9
BARRIER WALL - SECTION B7-B7



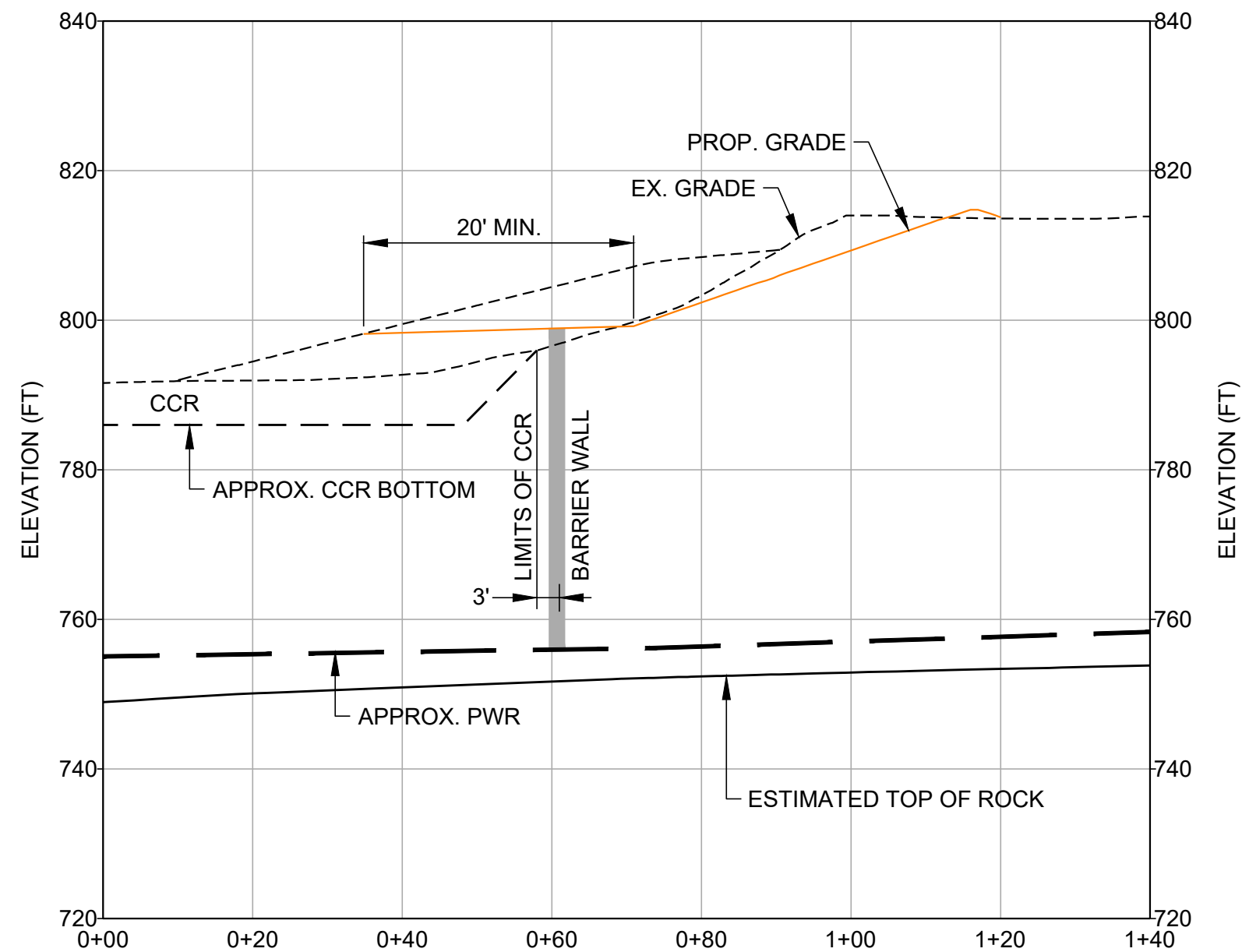
B8
20|9
BARRIER WALL - SECTION B8-B8



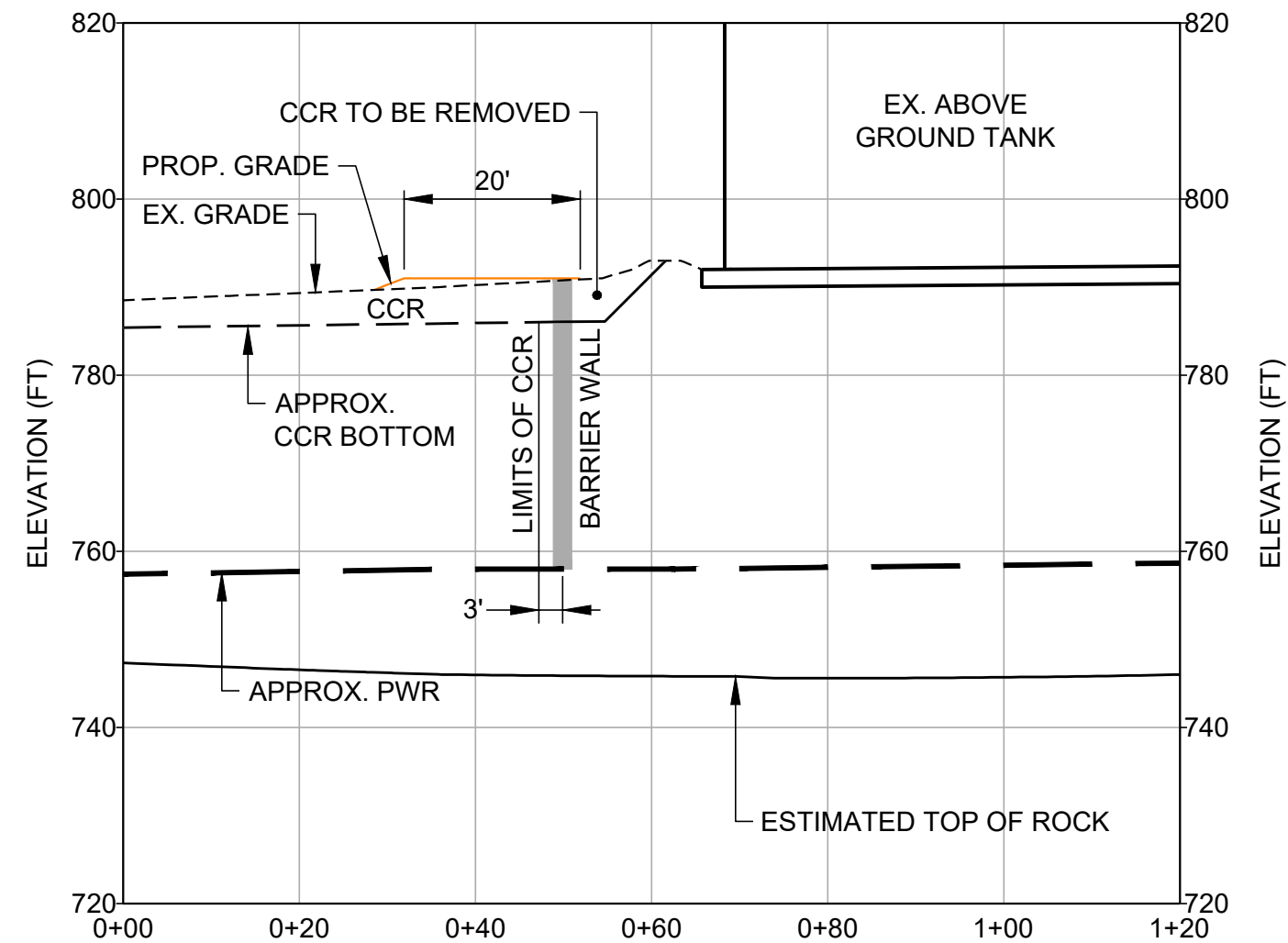
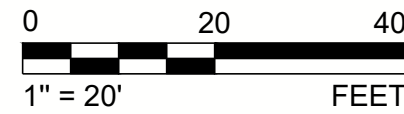
B9
20|9
BARRIER WALL - SECTION B9-B9



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

2024/03/29
ISSUED FOR PERMITTING

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SOUTHERN COMPANY SERVICES

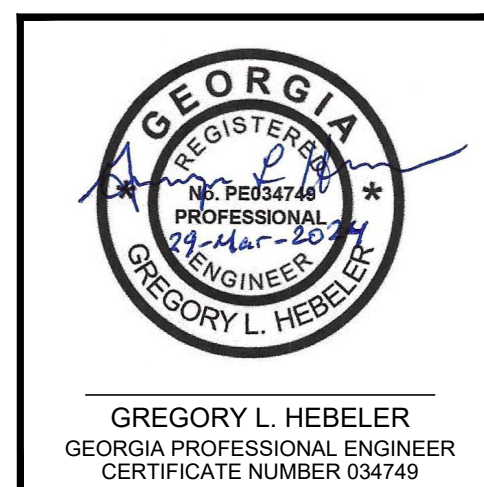


PROJECT
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS

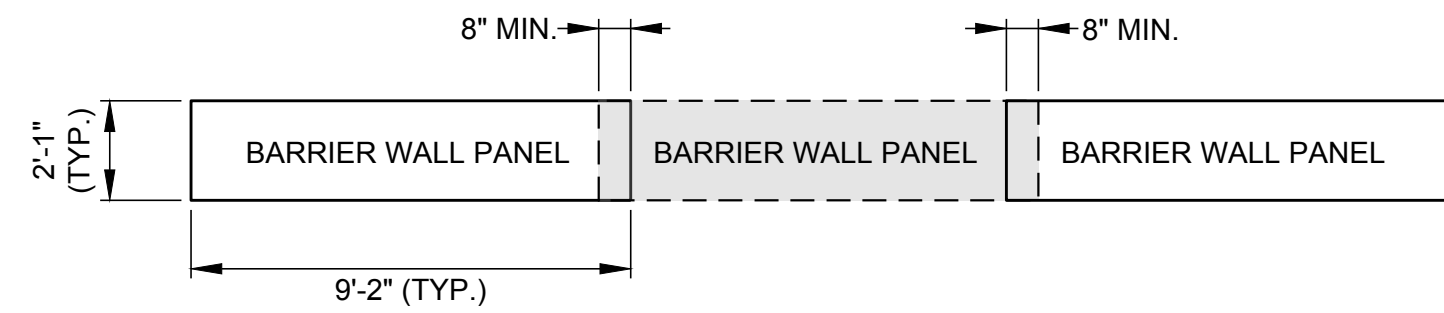


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BARRIER WALL SECTIONS - SHEET 2

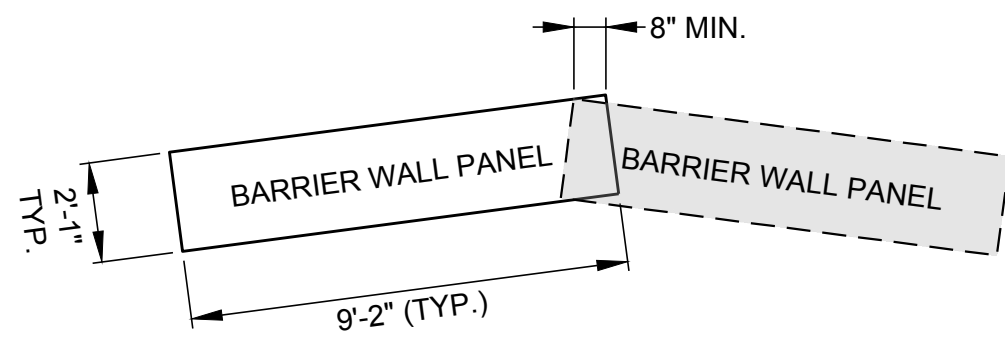
CONSULTANT	YYYY-MM-DD	2024/03/06
DESIGNED	GLH	
PREPARED	RMS	
CHECKED	JDG/LS	
REVIEWED / APPROVED	GLH	



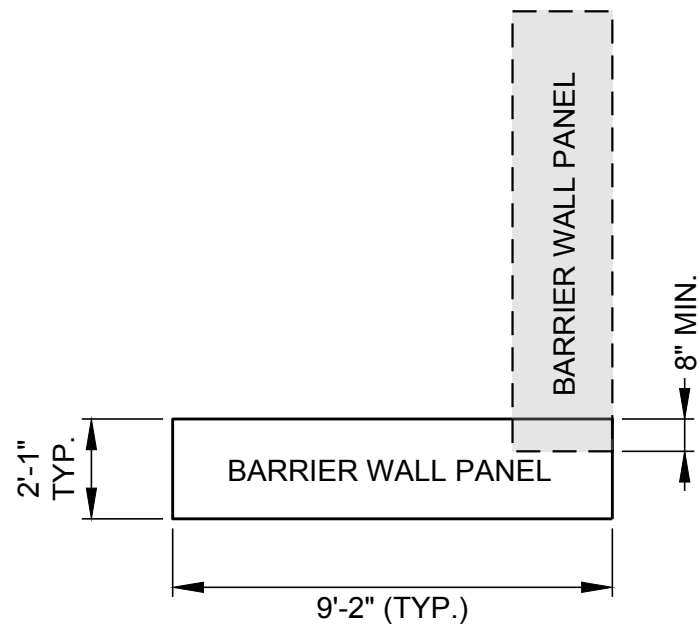
PROJECT NO.	PROJECT ID	REV.	SHEET
1777449	MCD15017	0	20



LINEAR PANELS

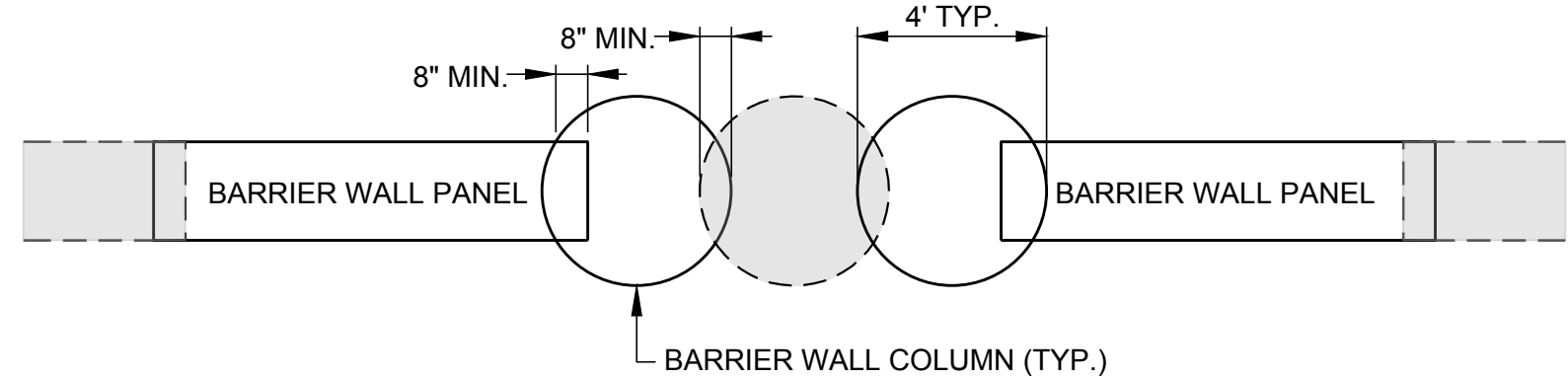
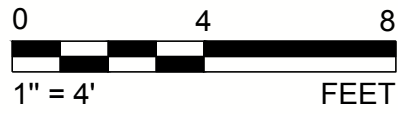


OBLIQUE / RADIAL PANELS

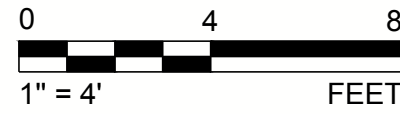


PERPENDICULAR PANELS

1
21 | 9
BARRIER WALL PANEL LAPPING DETAIL



2
21 | 9
BARRIER WALL COLUMN LAPPING DETAIL



02/15/2022
ISSUED FOR PERMITTING

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SOUTHERN COMPANY SERVICES



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



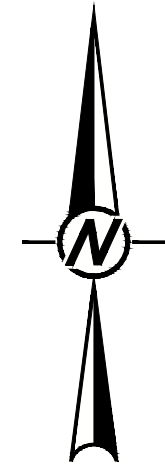
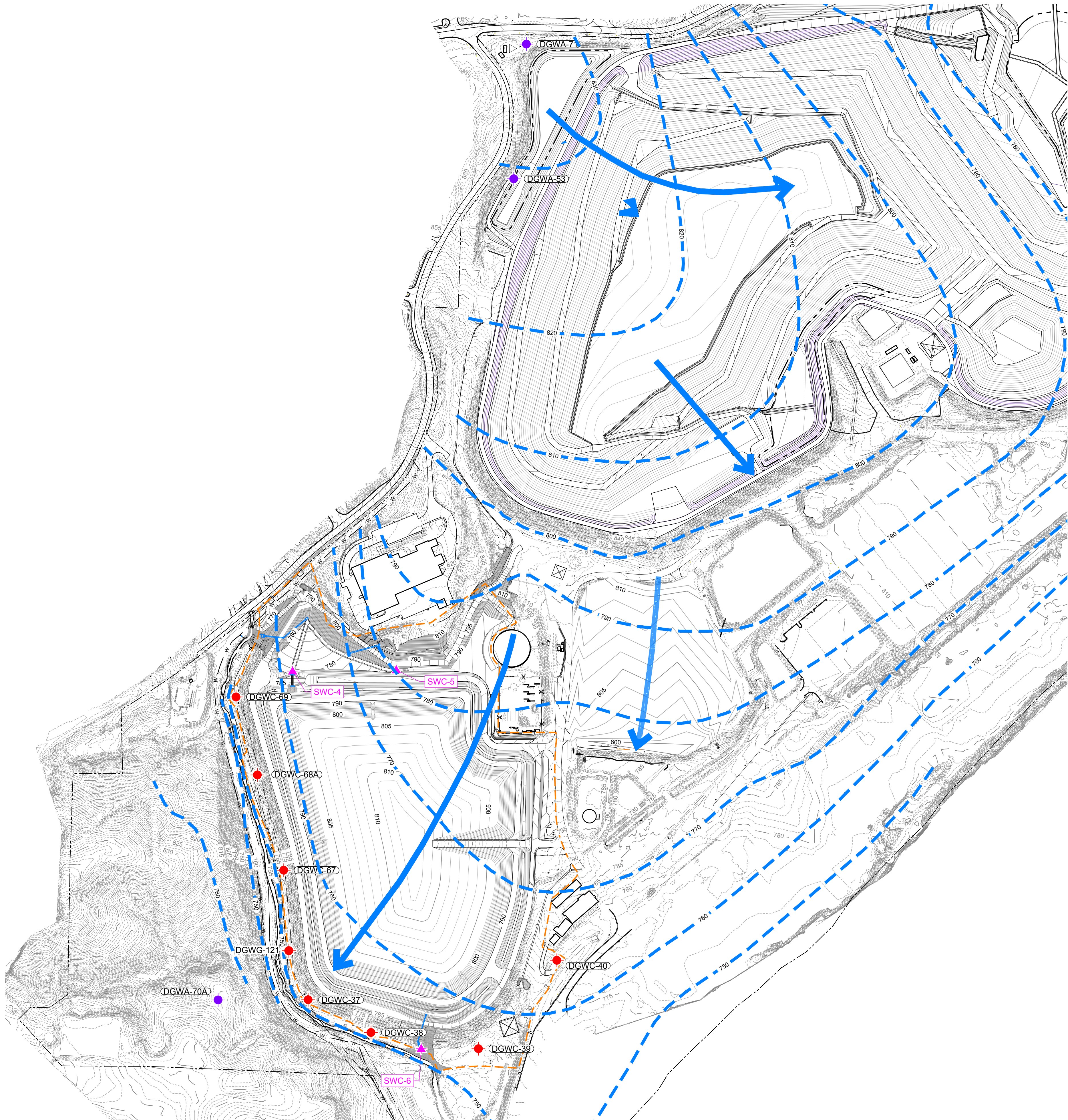
TITLE
BARRIER WALL DETAILS



CONSULTANT	YYYY-MM-DD	2022/01/15
 GOLDER MEMBER OF WSP	DESIGNED	GLH
	PREPARED	RMS
	CHECKED	JDG/LS
	REVIEWED / APPROVED	GLH

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

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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
- GROUNDWATER SURFACE CONTOURS (FEET MSL)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

REFERENCES

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

- EXISTING TOPOGRAPHIC CONTOUR INTERVAL = 1 FOOT.
- GROUNDWATER ELEVATIONS ARE BASED ON WATER LEVELS MEASURED ON OCTOBER 27, 2021.

02/15/2022
ISSUED FOR PERMITTING

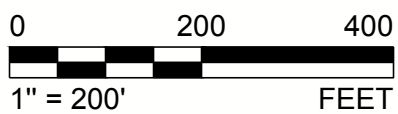
CLIENT
SOUTHERN COMPANY SERVICES



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



TITLE
COMPLIANCE WELL MONITORING NETWORK



CONSULTANT	YYYY-MM-DD	2022/01/15
	DESIGNED	GLH
	PREPARED	RMS
	CHECKED	JDG/LS
	REVIEWED / APPROVED	GLH



PROJECT NO.	PROJECT ID	REV.	SHEET
1777449	MCD15017	0	22

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