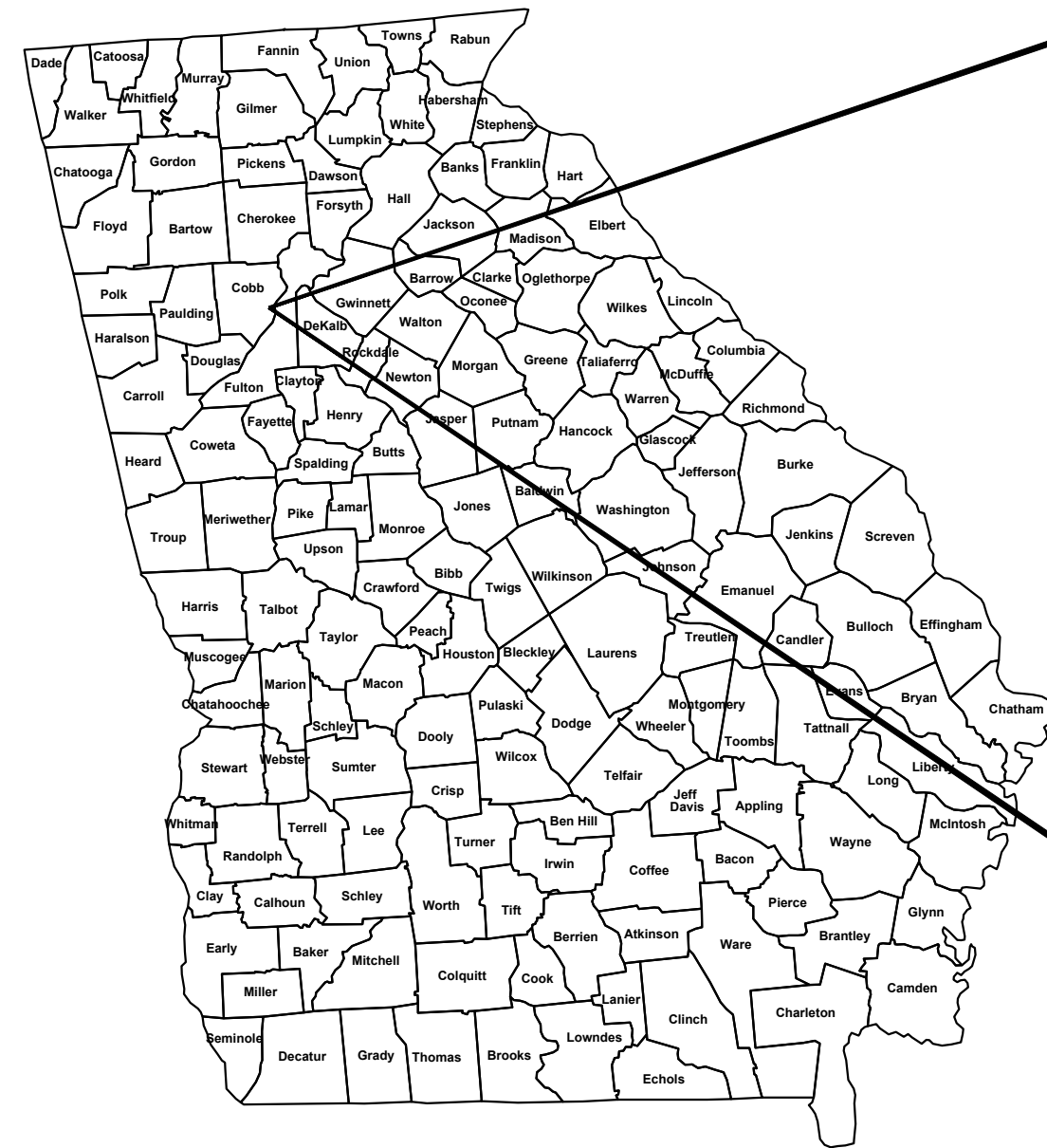
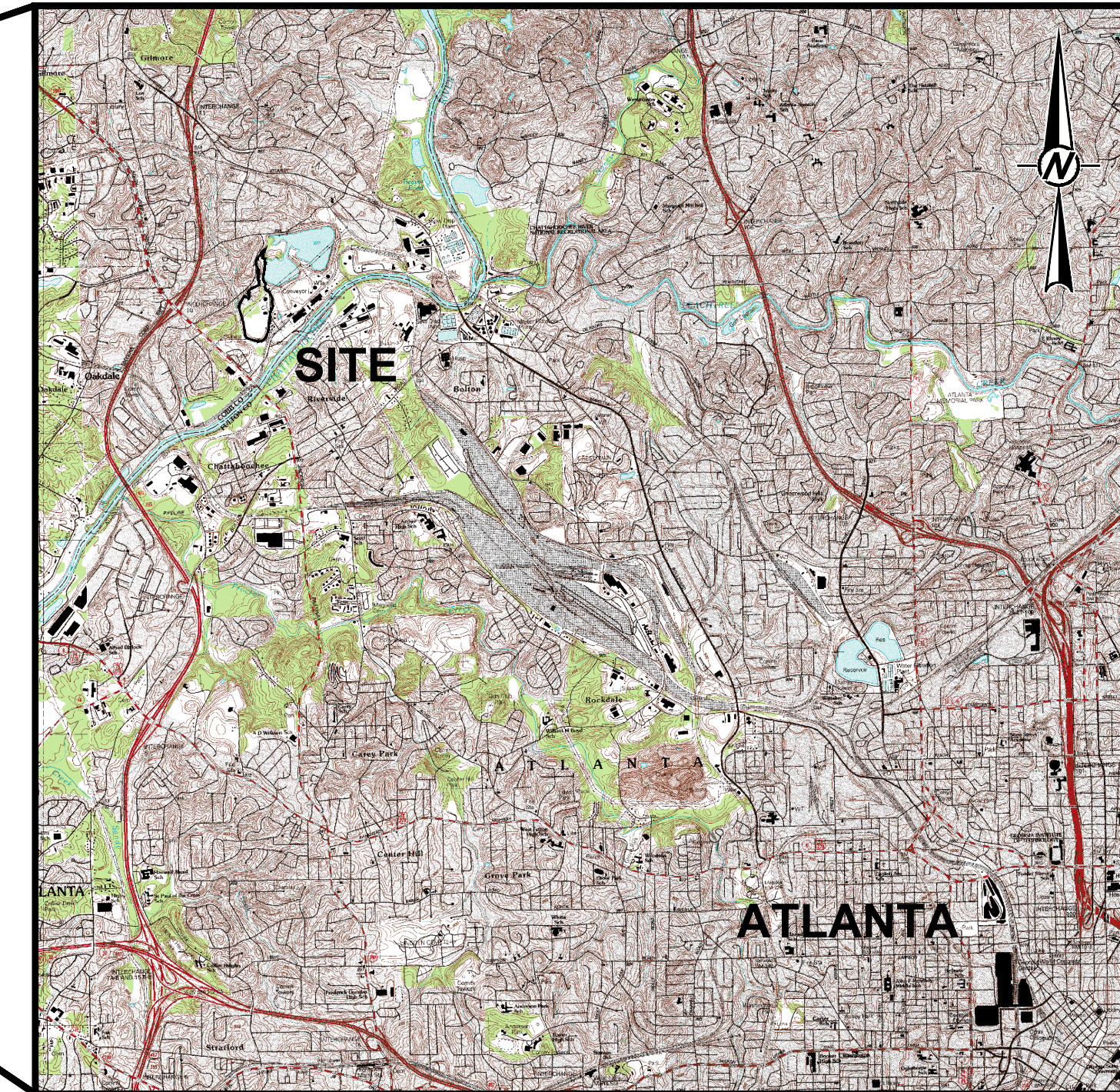


GEORGIA POWER COMPANY PLANT MCDONOUGH - ATKINSON CCR UNIT AP-1 CLOSURE PLAN DRAWINGS COBB COUNTY, GEORGIA JUNE 2025

| 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

PREPARED BY:



RESPONSIBLE OFFICIAL

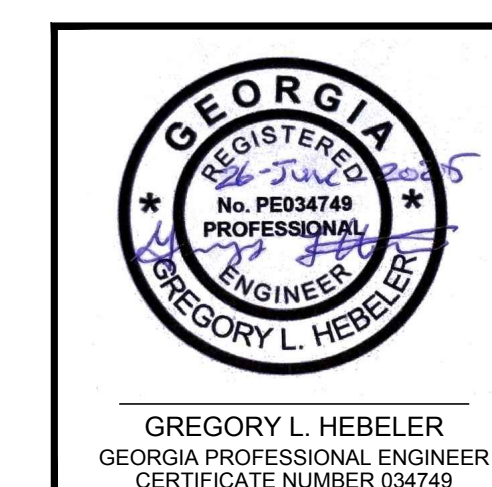
MANAGER
ENVIRONMENTAL AFFAIRS
GEORGIA POWER COMPANY
241 RALPH MCGILL BLVD.
BIN 10221
ATLANTA, GA 30308
TELEPHONE: 404-506-6505

PREPARED FOR:



PROPERTY OWNER

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



06/2025
ISSUED FOR PERMITTING

CLIENT
SOUTHERN COMPANY SERVICES



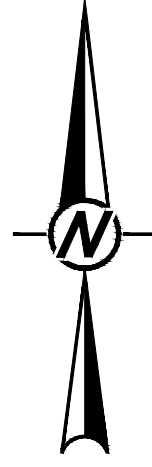
PROJECT
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS



TITLE
TITLE SHEET

| CONSULTANT | DATE |
|---------------------|------------|
| WSP | 2025-06-06 |
| DESIGNED | GLH |
| PREPARED | RMS |
| CHECKED | MP |
| REVIEWED / APPROVED | GLH |

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



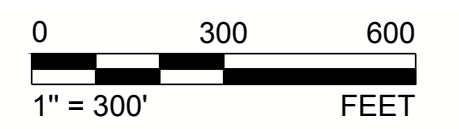
- LEGEND**
- PROPERTY LINE
 - APPROXIMATE CCR LIMITS (PRE-CLOSURE)
 - FLOODPLAIN (APPROXIMATE) (100 YR)
 - PRE-CLOSURE GROUND CONTOURS
 - EXISTING FENCE LINE
 - EXISTING GAS LINE

- 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**



CLIENT
SOUTHERN COMPANY SERVICES

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

TITLE
PRE-CLOSURE CONDITIONS TOPOGRAPHIC SITE MAP



GREGORY L. HEBEL
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

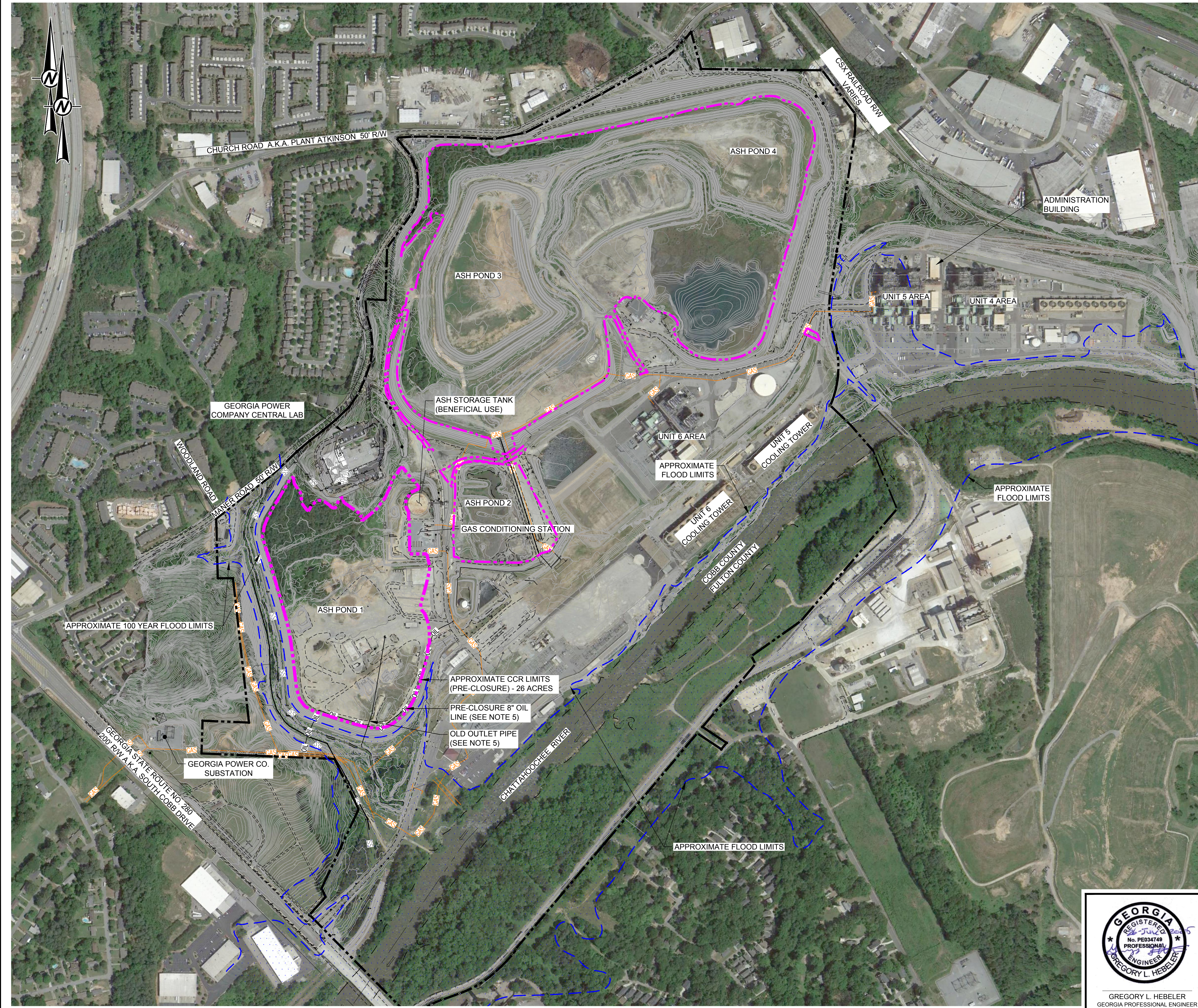
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|---------------------|--|------------|------------|
| CONSULTANT | | YYYY-MM-DD | 2025-06-06 |
| DESIGNED | | GLH | |
| PREPARED | | RMS | |
| CHECKED | | MP | |
| REVIEWED / APPROVED | | GLH | |

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|-------------|------------|------|-------|
| PROJECT NO. | PROJECT ID | REV. | SHEET |
| 1777449 | MCD15017 | 0 | 2 |

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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANS/D 11x17

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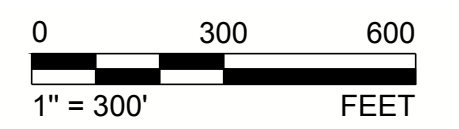
- LEGEND**
- PROPERTY LINE
 - APPROXIMATE CCR LIMITS (PRE-CLOSURE)
 - FLOODPLAIN (APPROXIMATE) (100 YR)
 - 700' EXISTING GROUND CONTOURS
 - EXISTING FENCE LINE
 - EXISTING GAS LINE

- 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**



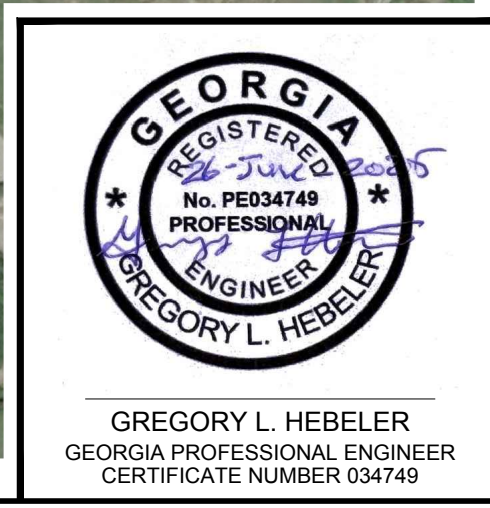
CLIENT
SOUTHERN COMPANY SERVICES

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

TITLE
PRE-CLOSURE CONDITIONS MAY 2014 SITE AERIAL



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



| | | | |
|-------------------------------|-------------------------------|------------------|-------------------|
| PROJECT NO. 1777449 | PROJECT ID MCD15017 | REV. 0 | SHEET 3 |
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1 in IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANS/D

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LEGEND

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

- NOTES**
- COORDINATE SYSTEM IS GEORGIA STATE PLANE NAD 83 (1994), WEST ZONE.
 - 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**
- 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**

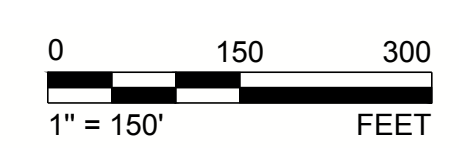
CLIENT
SOUTHERN COMPANY SERVICES



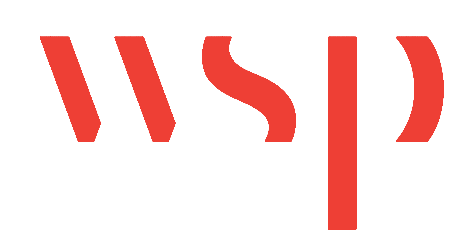
PROJECT
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS



TITLE
ESTIMATED BOTTOM OF CCR



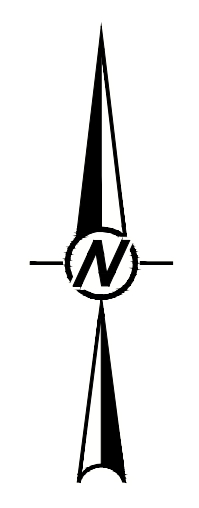
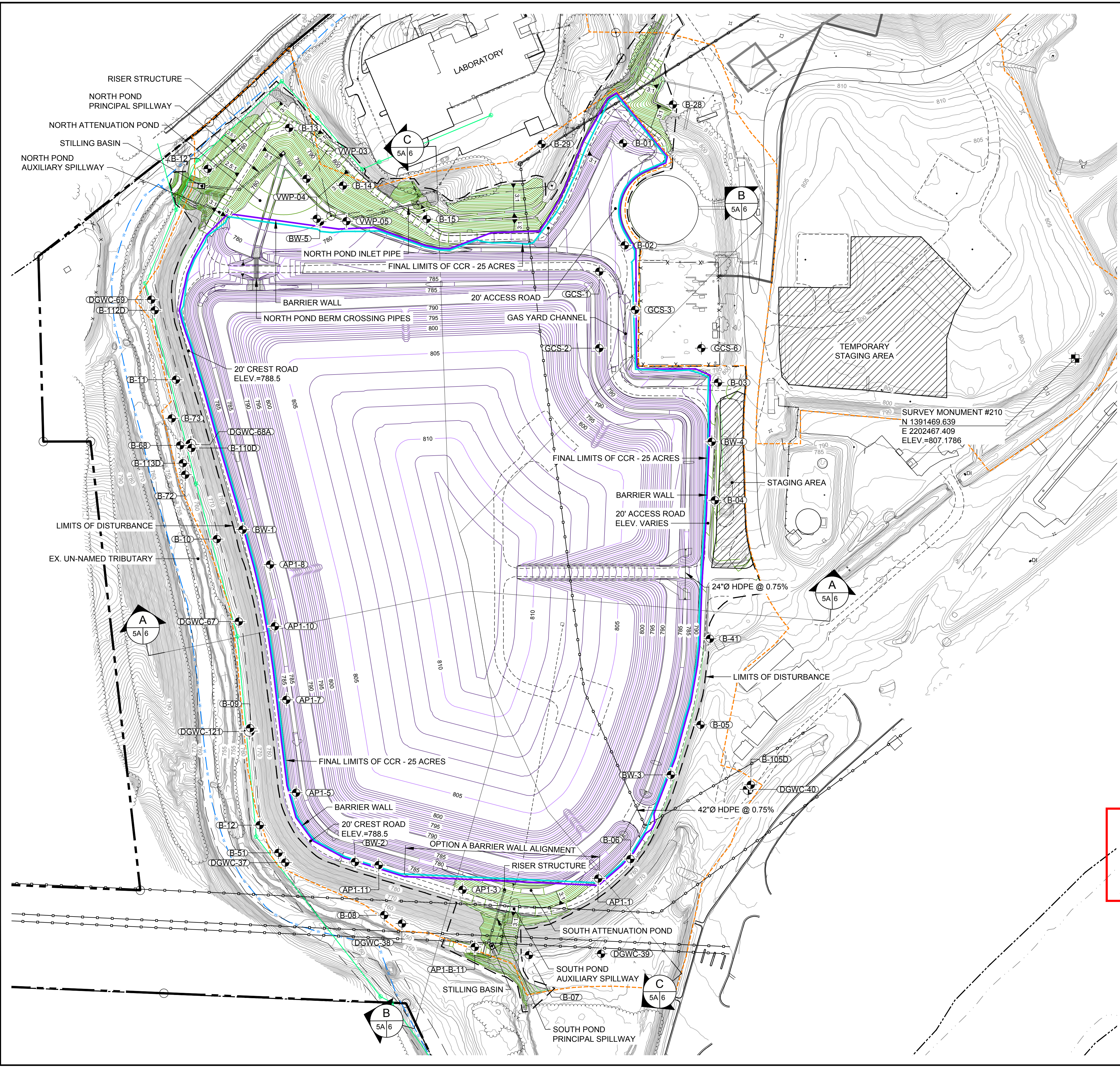
GREGORY L. HEBEL
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

| | | | |
|---------------------|---|------------|------------|
| CONSULTANT |  | YYYY-MM-DD | 2025-06-06 |
| DESIGNED | | | GLH |
| PREPARED | | | RMS |
| CHECKED | | | MP |
| 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 A3S1.D

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LEGEND

| | |
|-----------|-------------------------------------|
| 780 | EXISTING CONTOURS |
| 779 | EXISTING CONTOURS |
| --- | 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 |
| 780 | FINAL CLOSURE CONTOURS |
| 779 | FINAL CLOSURE CONTOURS |
| 780 | CCR EXCAVATION CONTOURS |
| 779 | 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**
- 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.

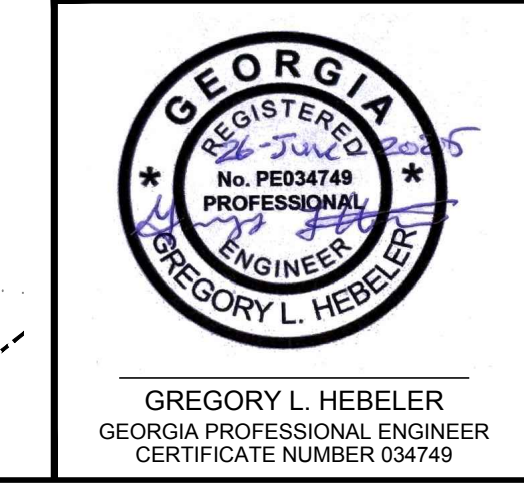
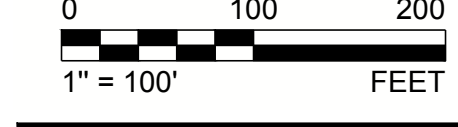
**06/2025
ISSUED FOR PERMITTING**

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**

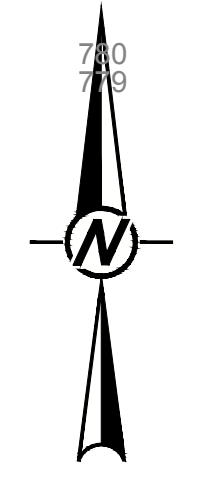
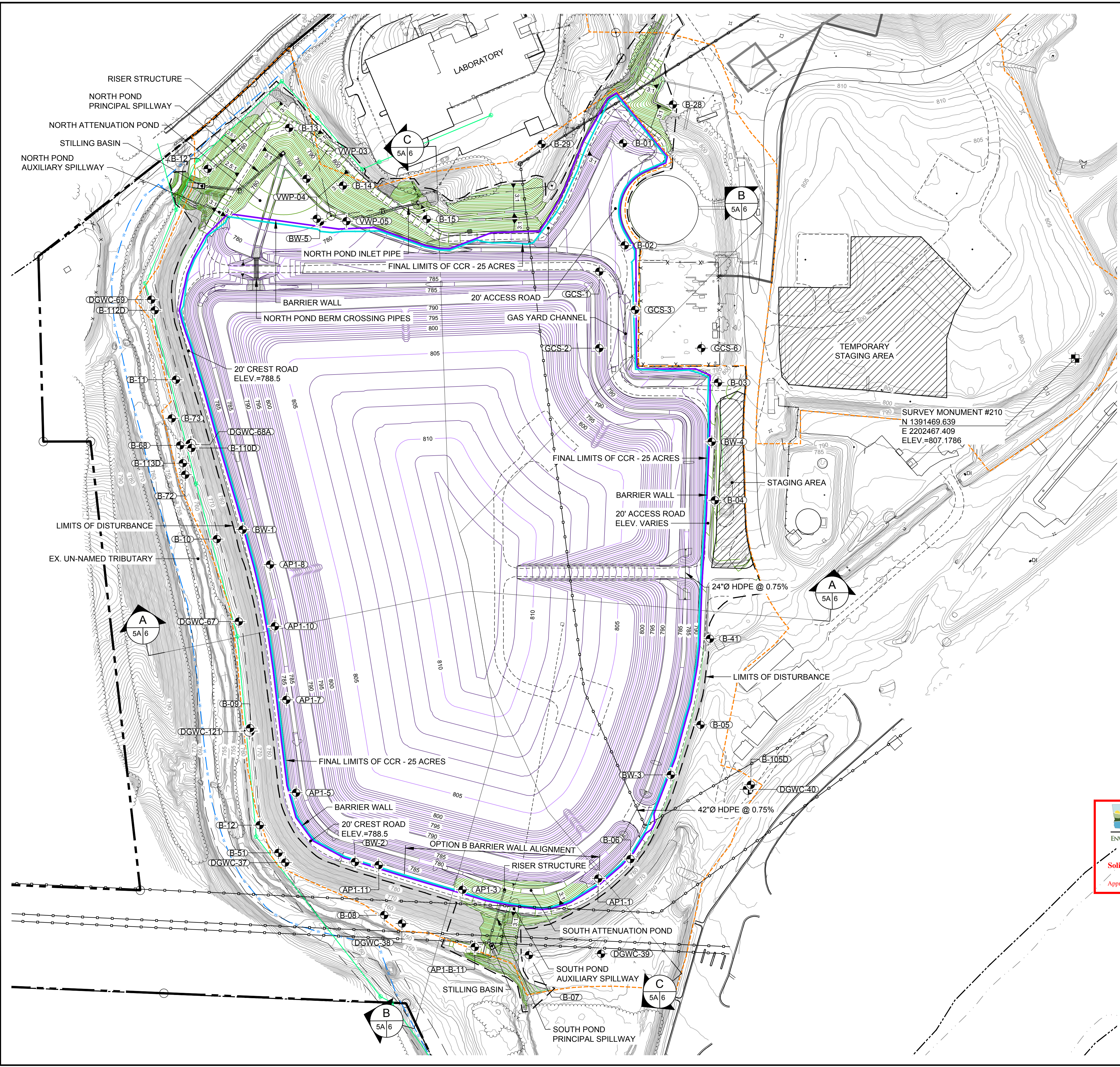
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| CONSULTANT | YYYY-MM-DD | 2025-06-06 |
| | DESIGNED | GLH |
| | PREPARED | RMS |
| | CHECKED | MP |
| | REVIEWED / APPROVED | GLH |



| | | | |
|------------------------|------------------------|-----------|-------------|
| PROJECT NO. 1777449 | PROJECT ID MCD15017 | REV. 0 | SHEET 5A |
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1 in IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANS/D

Path: \\scsp-pbwan-hell\US\Central\Drawn\US\TL\200\Carroll\Southern Company\1777449 Plant McDonough Permitting\AP-1-NE\PERMIT\PRODUCTION\1-NE\PERMIT\PRODUCTION\1-NE\PERMIT\GENERAL SITE DEVELOP PLAN-SEC.AWG



LEGEND

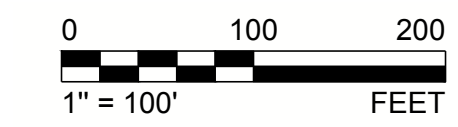
| | |
|-----------|-------------------------------------|
| 780 | EXISTING CONTOURS |
| 779 | EXISTING CONTOURS |
| --- | PROPERTY BOUNDARY (SEE REFERENCE 1) |
| - - - - - | PROPOSED PERMIT BOUNDARY |
| --- | FINAL LIMITS OF CCR |
| --- | EXISTING SANITARY SEWER LINE |
| W | EXISTING WATER LINE (AS NOTED)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

06/2025
ISSUED FOR PERMITTING



GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
SOUTHERN COMPANY SERVICES

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

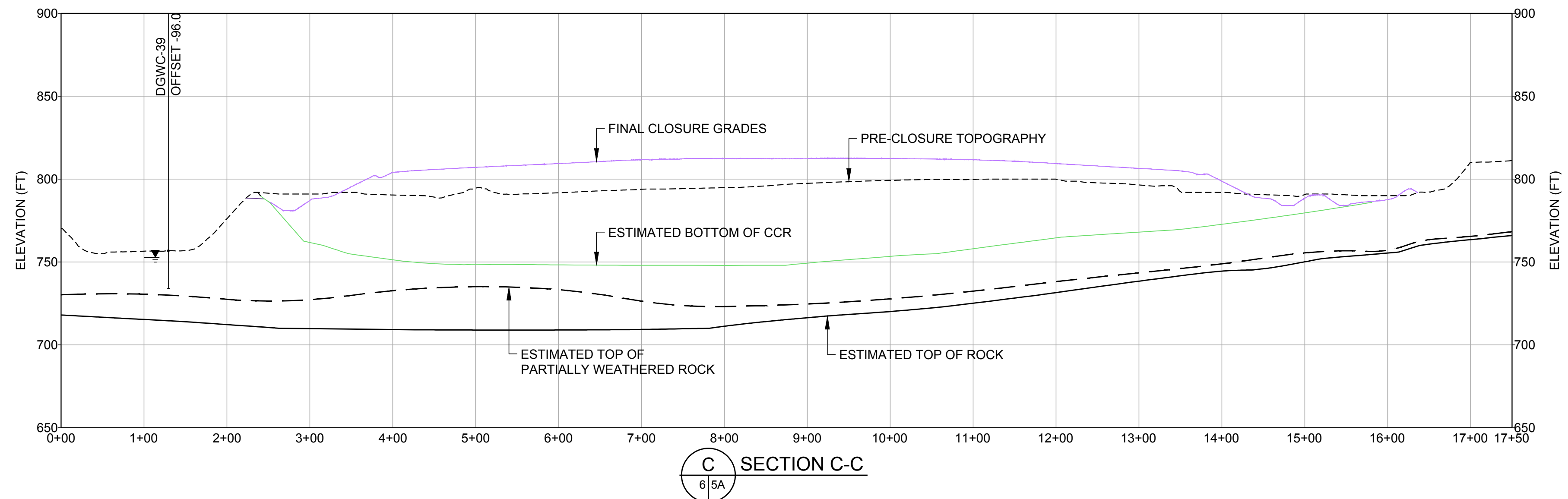
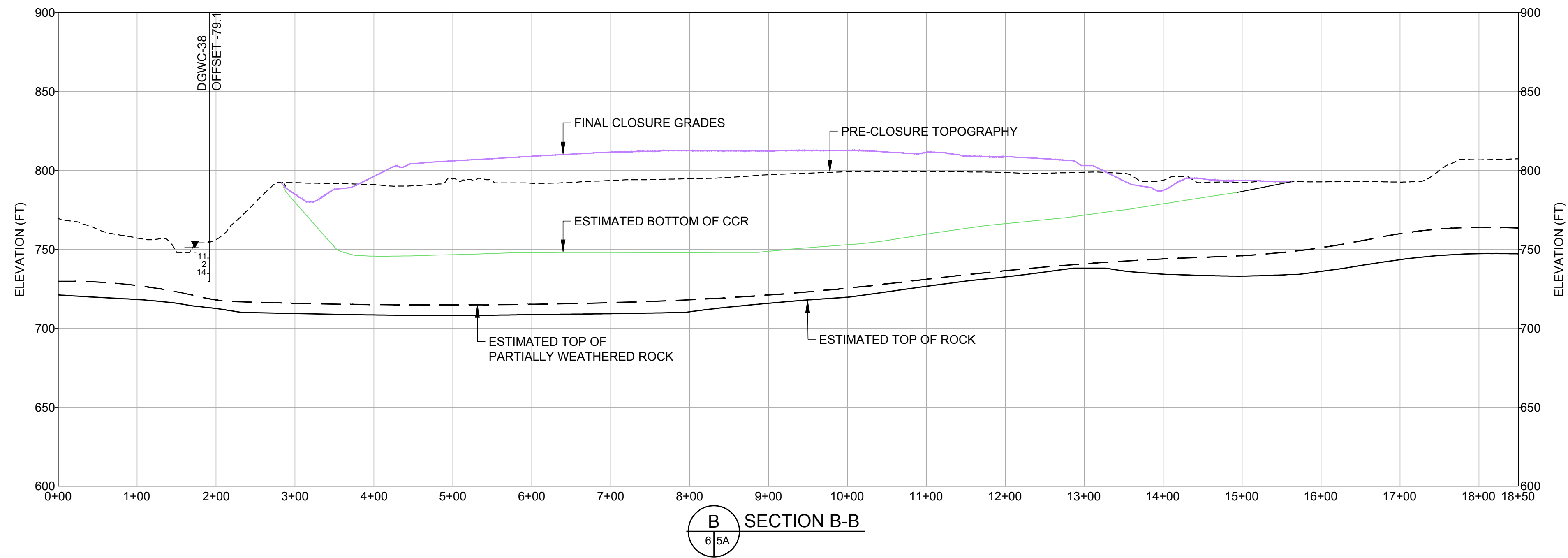
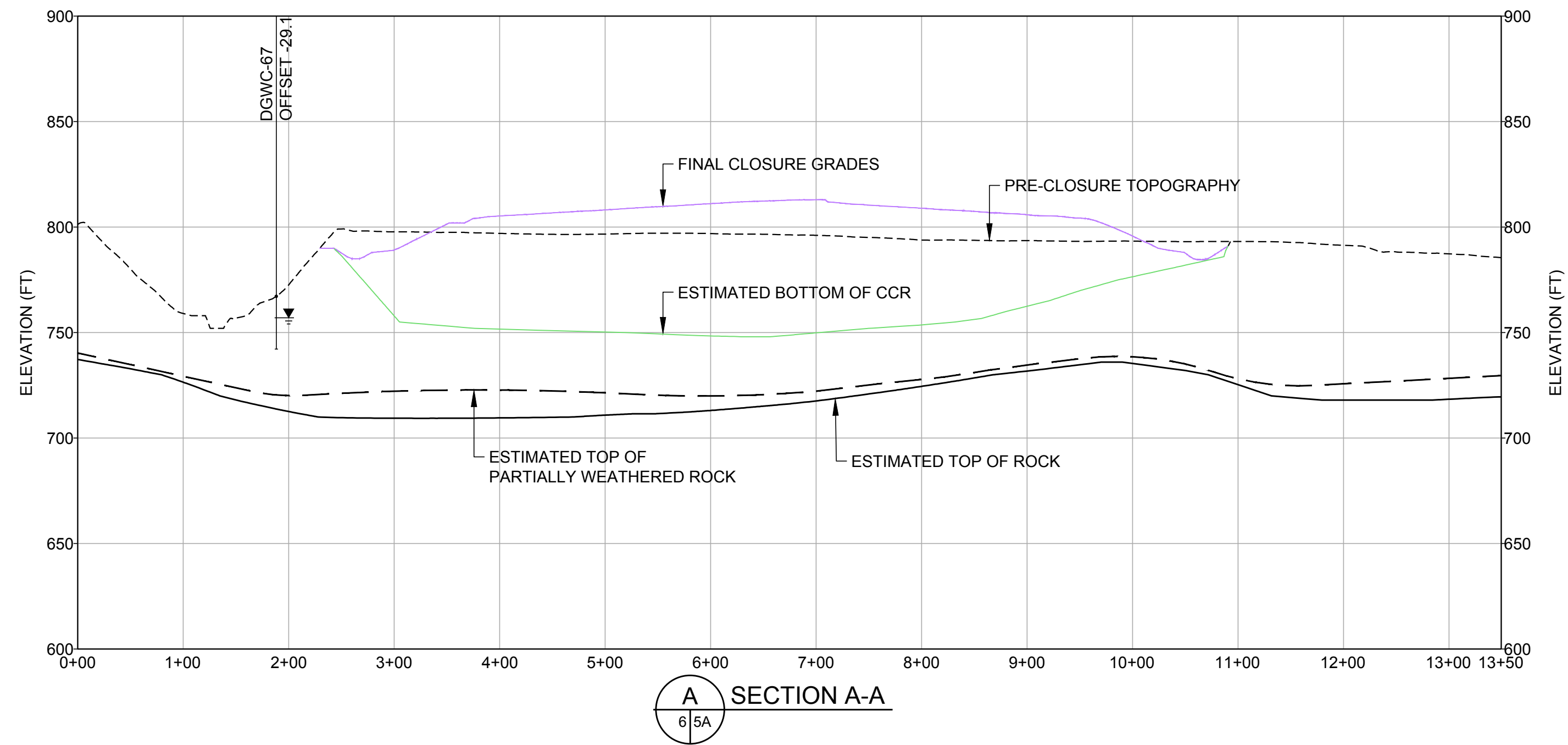
TITLE
GENERAL SITE DEVELOPMENT PLAN
BARRIER WALL ALIGNMENT OPTION B

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

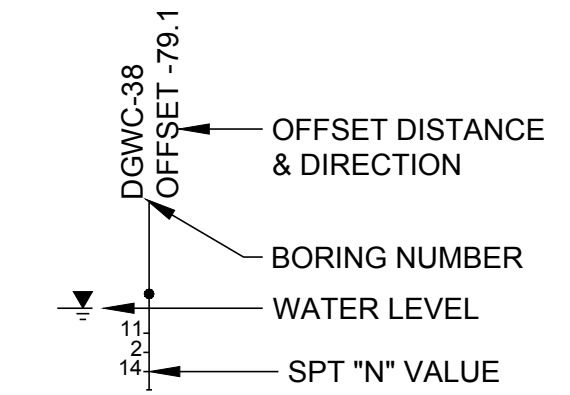
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| PROJECT NO. | PROJECT ID | REV. | SHEET |
| 1777449 | MCD15017 | 0 | 5B |

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

Path: \\corp.sbc.com\us\central\atkinson\1777449\Plant_McDonough\Permitting\AP-1\GENERAL SITE DEVELOPMENT\PRODUCTION\1\FILENAMES\1777449 SA-98-6 PERMIT GENERAL SITE DEVELOPMENT PLAN-SEC.dwg



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

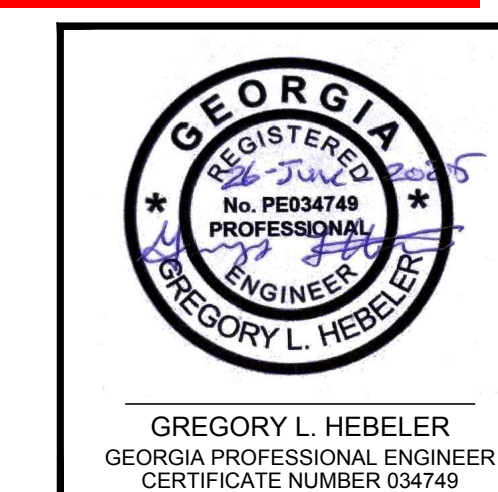


PROJECT
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS



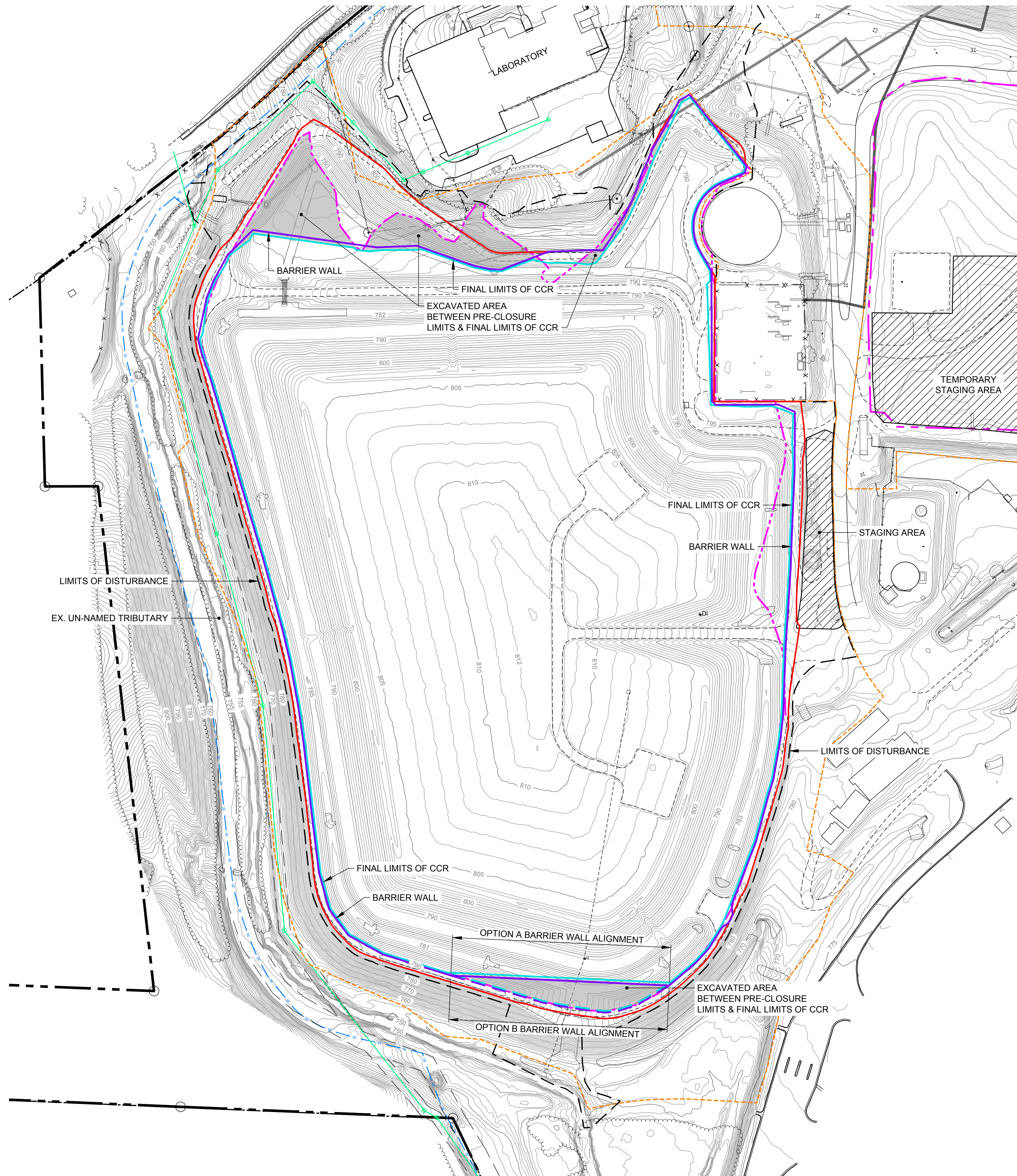
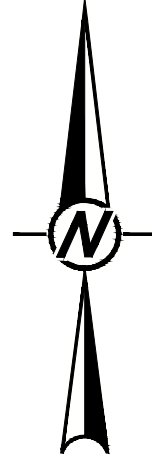
TITLE
GENERAL SITE DEVELOPMENT SECTIONS

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



| | | | |
|------------------------|------------------------|-----------|------------|
| PROJECT NO. 1777449 | PROJECT ID MCD15017 | REV. 0 | SHEET 6 |
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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI D



LEGEND

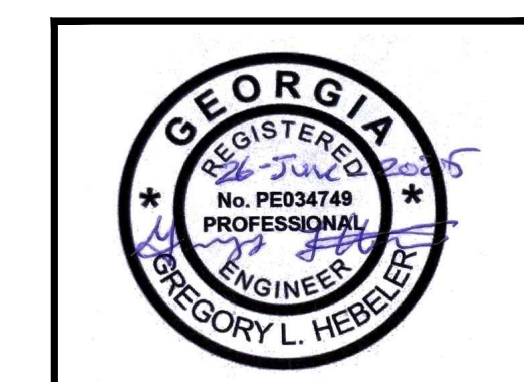
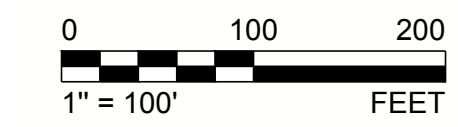
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|--|---|
| | EXISTING CONTOURS |
| | PROPERTY BOUNDARY (SEE REFERENCE 1) |
| | PROPOSED PERMIT BOUNDARY |
| | APPROXIMATE CCR LIMITS (PRE-CLOSURE) |
| | FINAL LIMITS OF CCR |
| | EXISTING SANITARY SEWER LINE |
| | EXISTING WATER LINE (AS NOTED) |
| | 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 AND 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.

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06/2025
ISSUED FOR PERMITTING



GREGORY L. HEBELER
 GEORGIA PROFESSIONAL ENGINEER
 CERTIFICATE NUMBER 034749

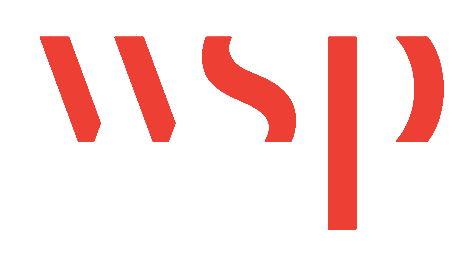
CLIENT
 SOUTHERN COMPANY SERVICES



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

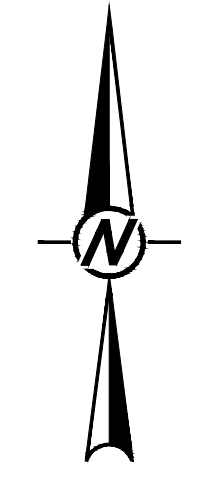
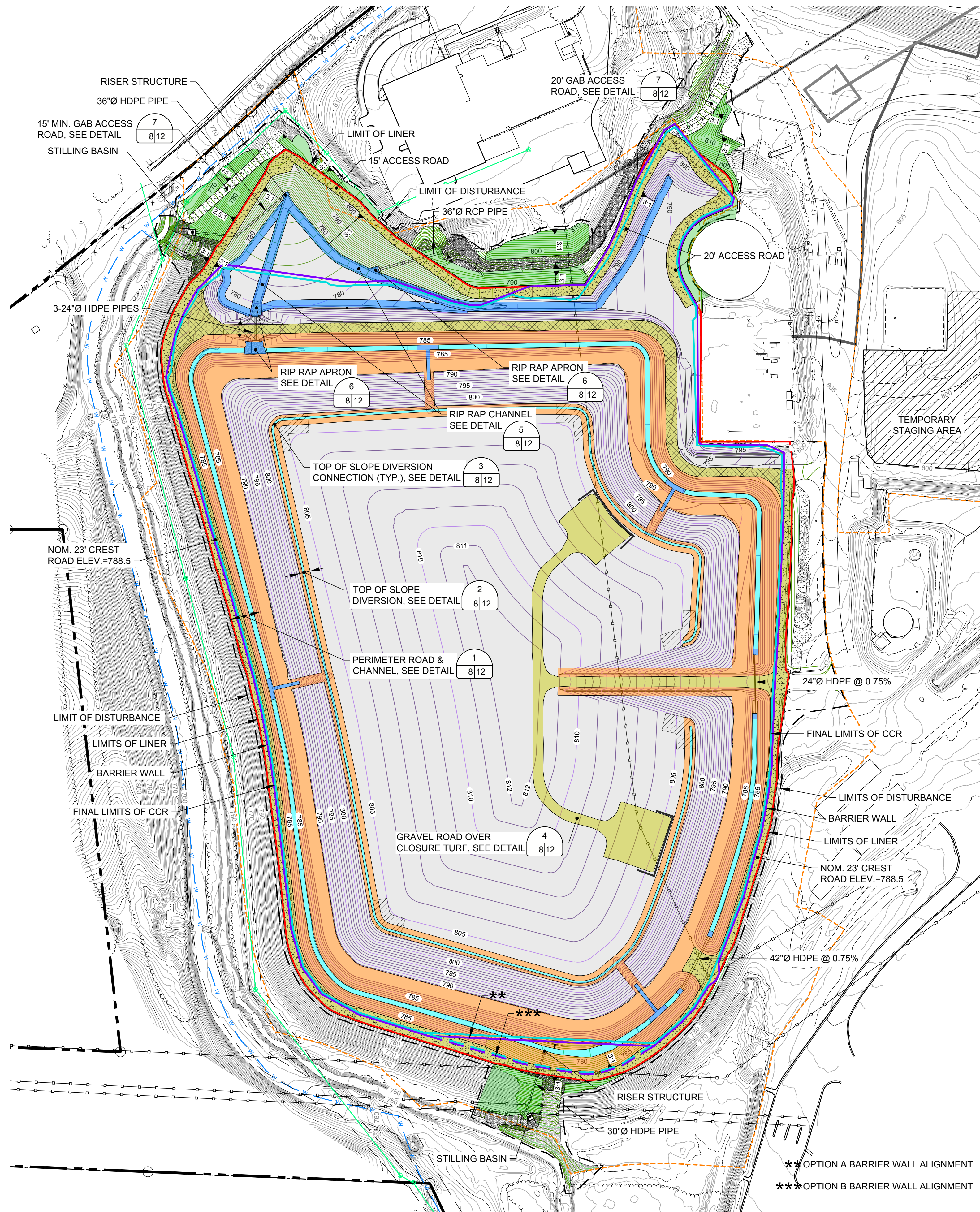


TITLE
CCR EXCAVATION PLAN

| | | | |
|---------------------|---|------------|------------|
| 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 |

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



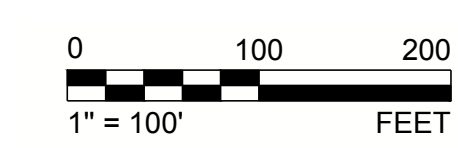
LEGEND

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

- REFERENCES**
- 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**



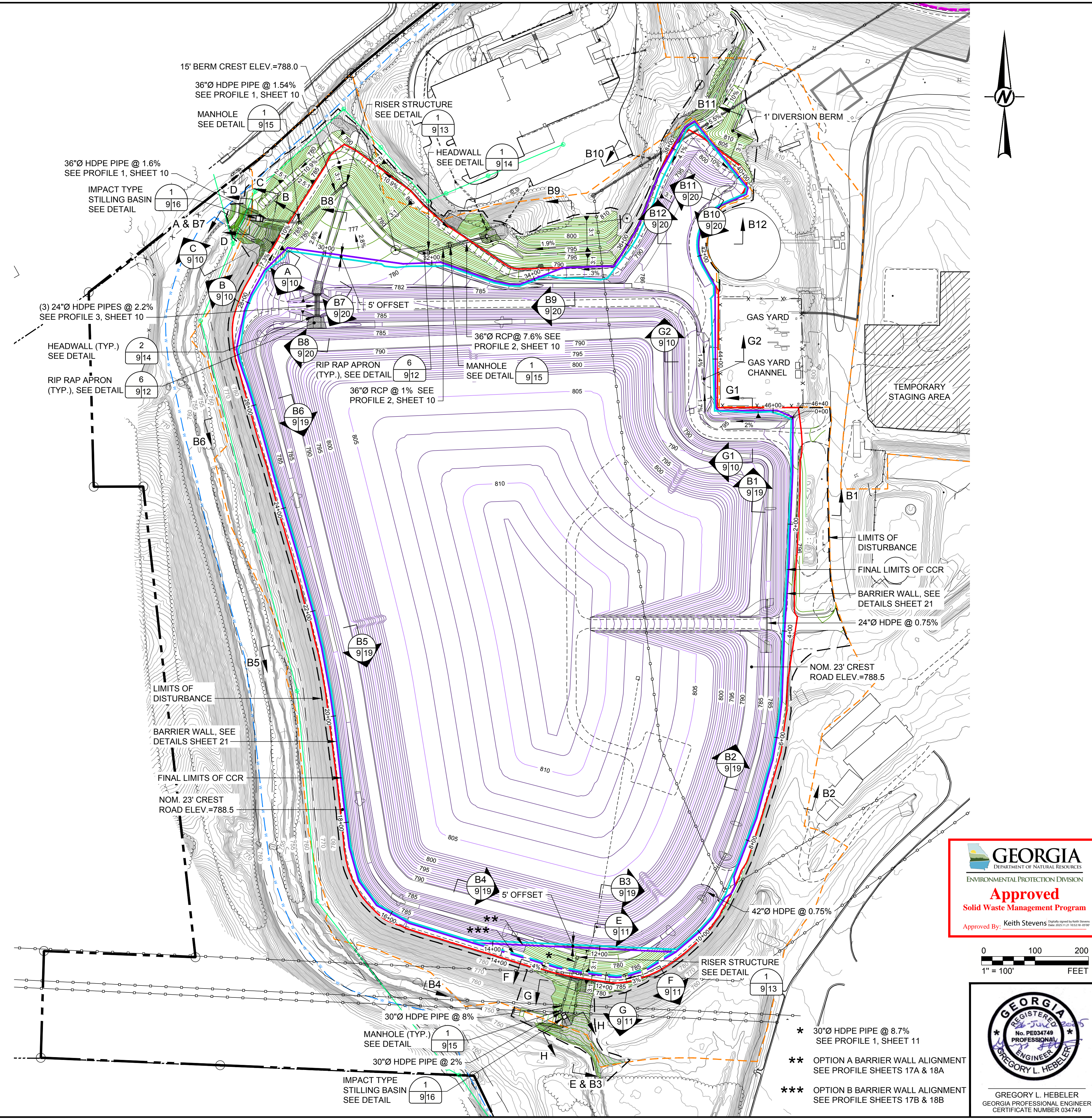
GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

| | | | | |
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| CLIENT | | SOUTHERN COMPANY SERVICES | | |
| PROJECT | | PLANT MCDONOUGH - ATKINSON CCR UNIT AP-1 CLOSURE PLAN DRAWINGS | | |
| TITLE | | FINAL COVER ARMORING PLAN | | |
| 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 | 8 | |

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

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LEGEND

| | |
|--|-------------------------------------|
| | EXISTING CONTOURS |
| | 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 |

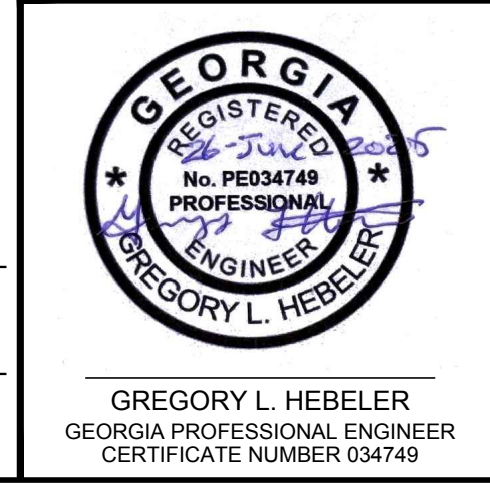
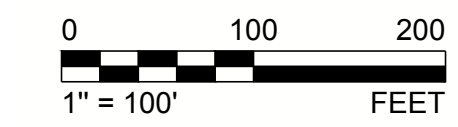
REFERENCES

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.

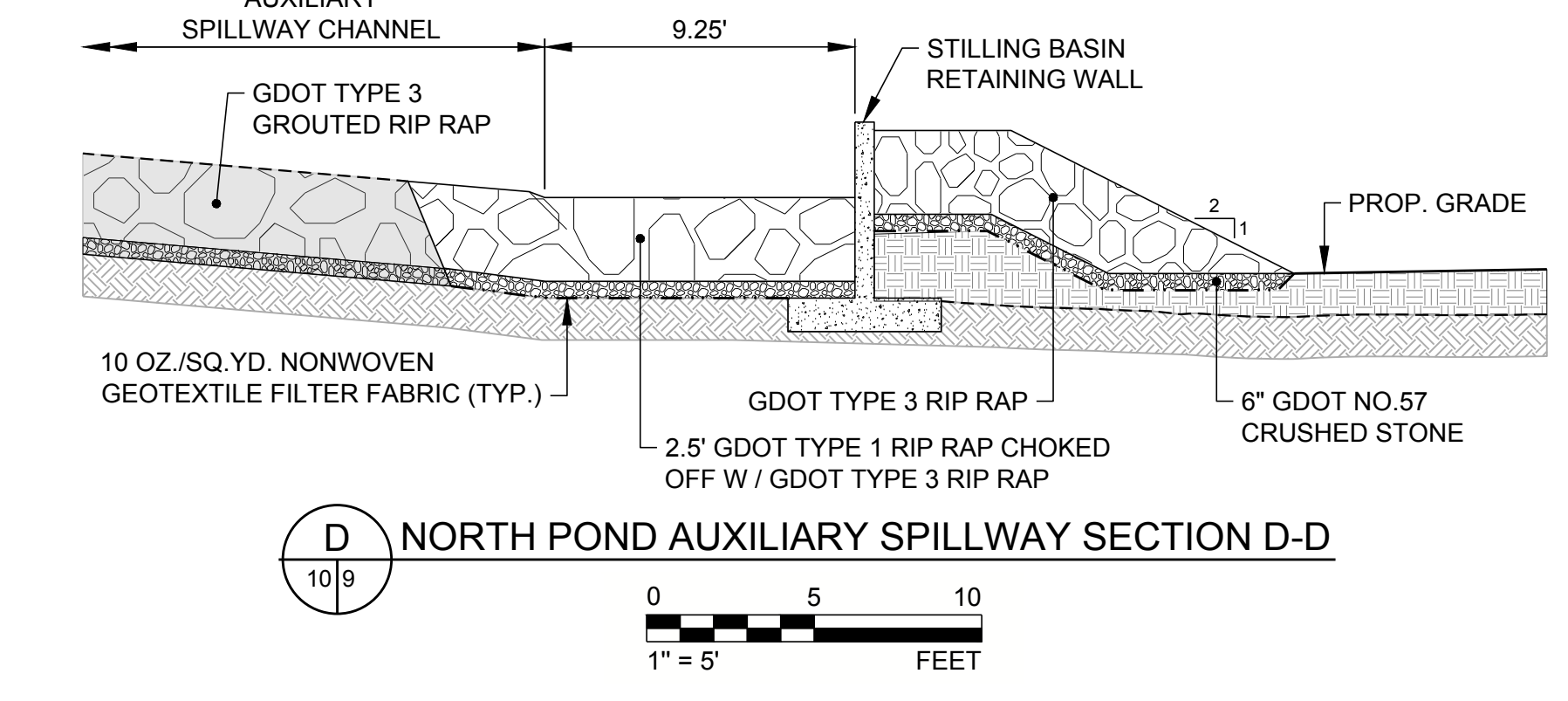
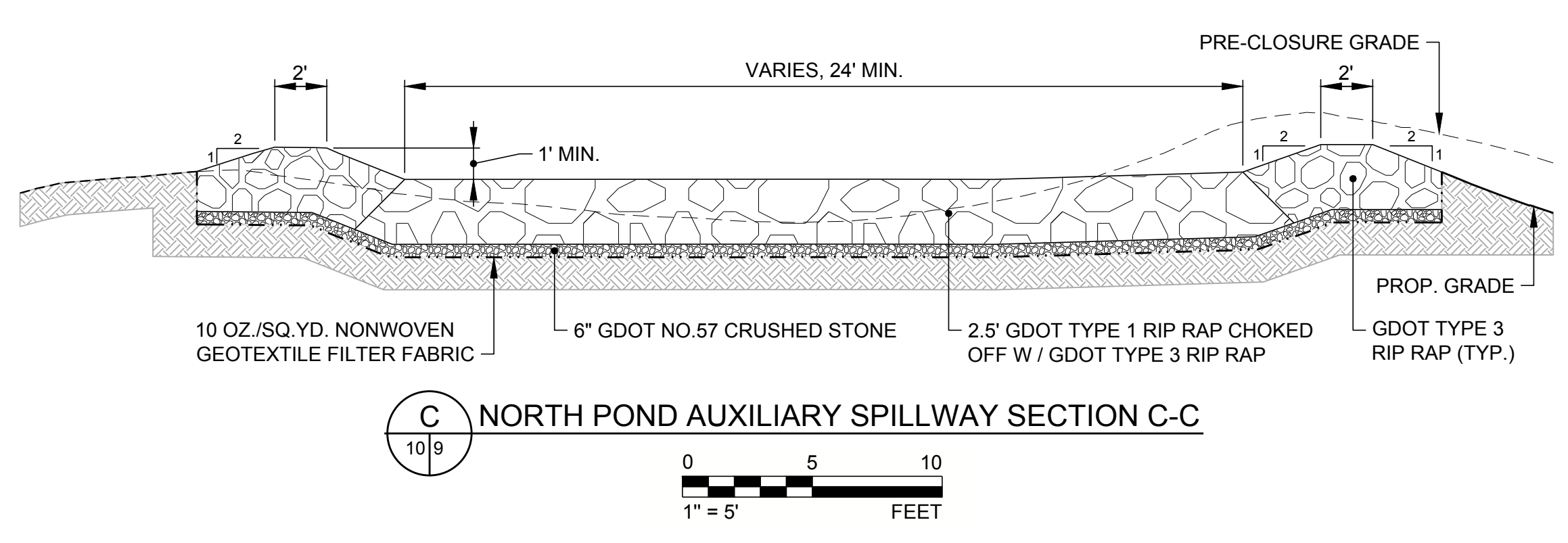
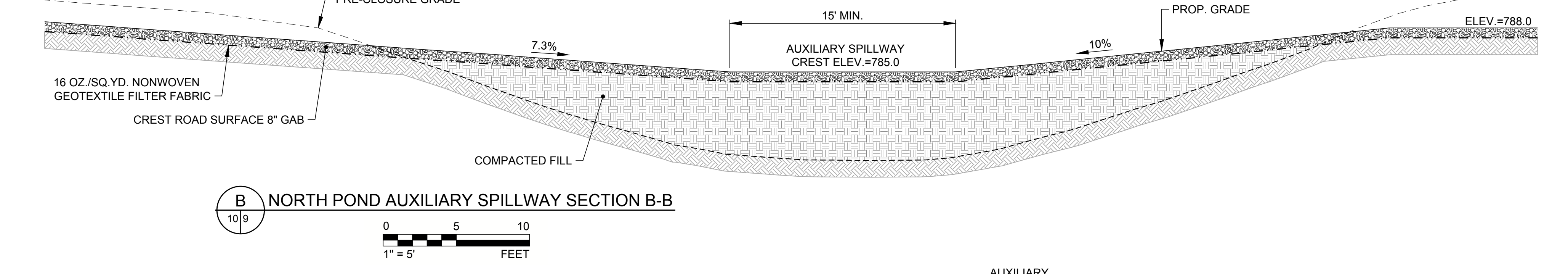
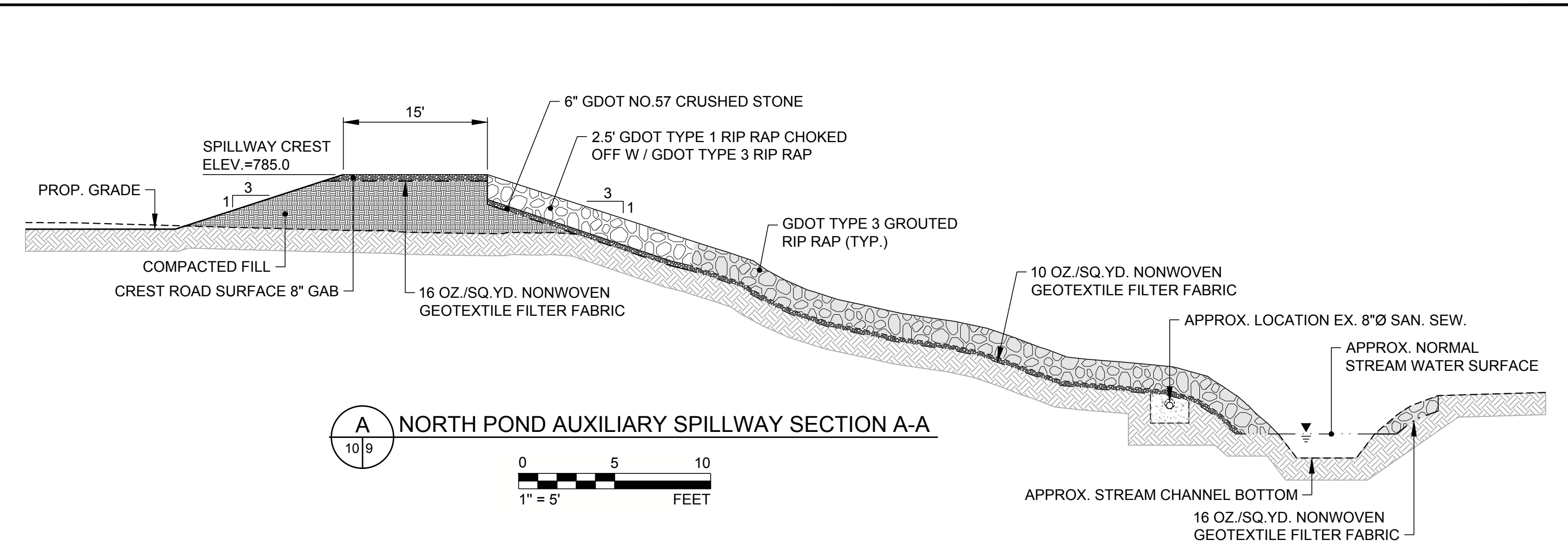
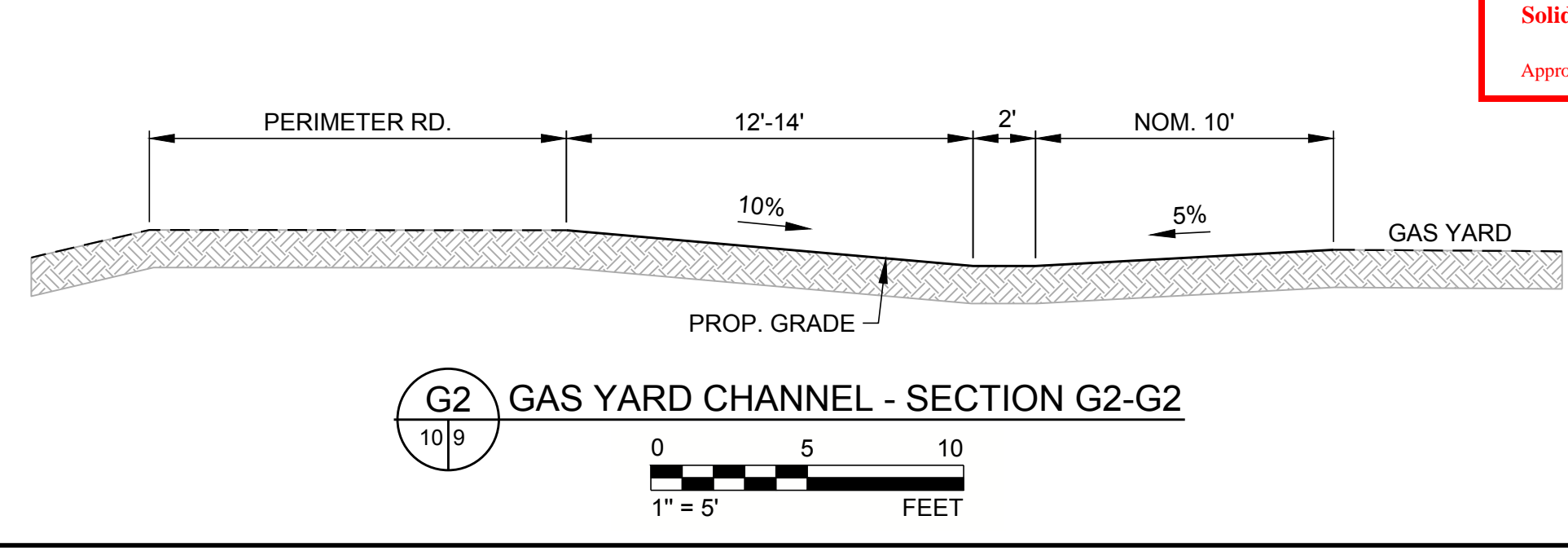
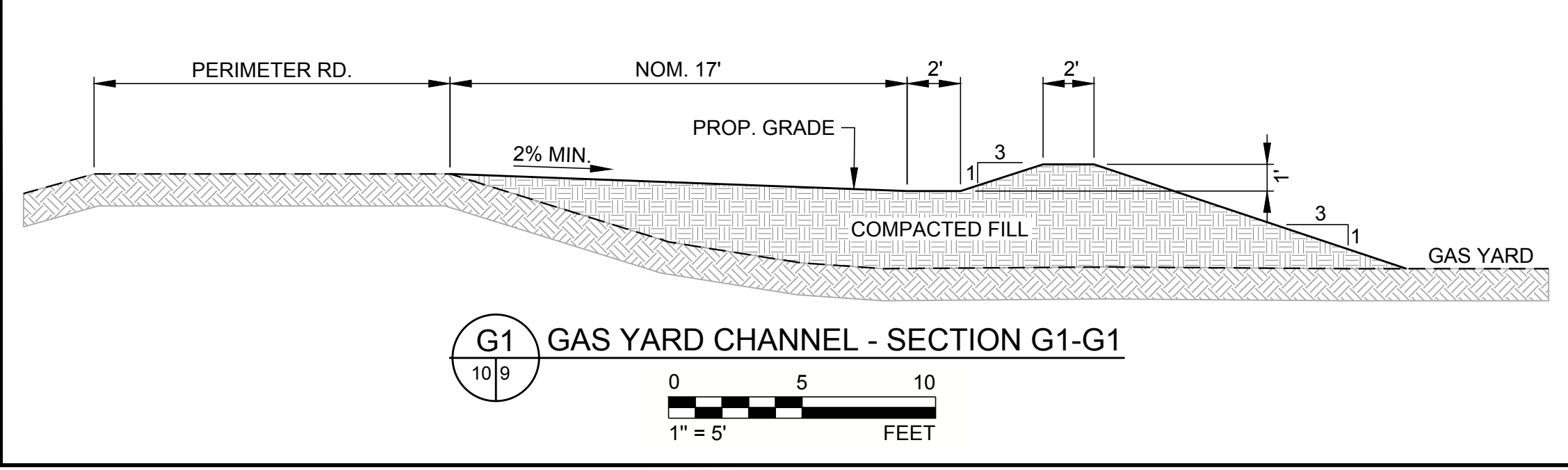
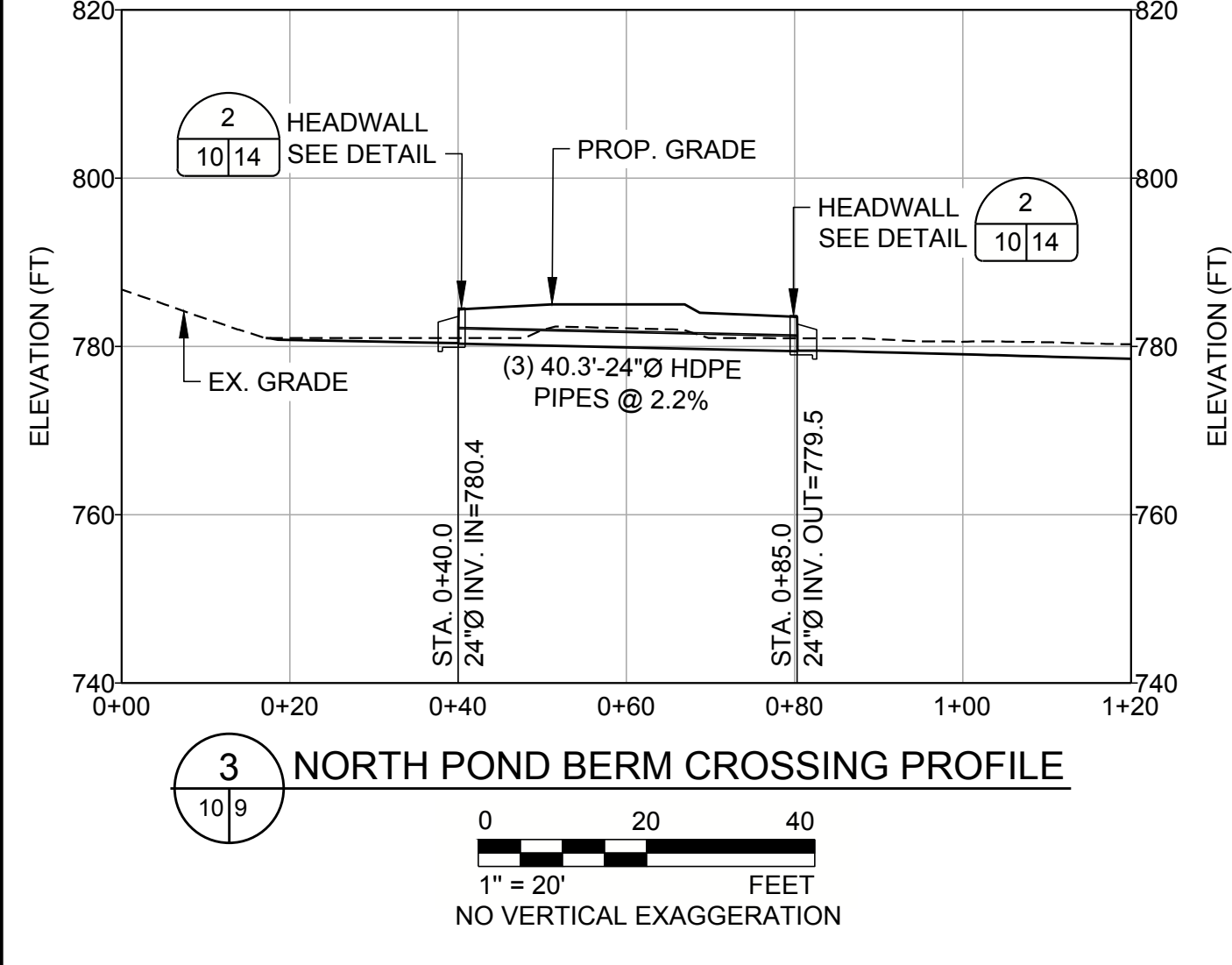
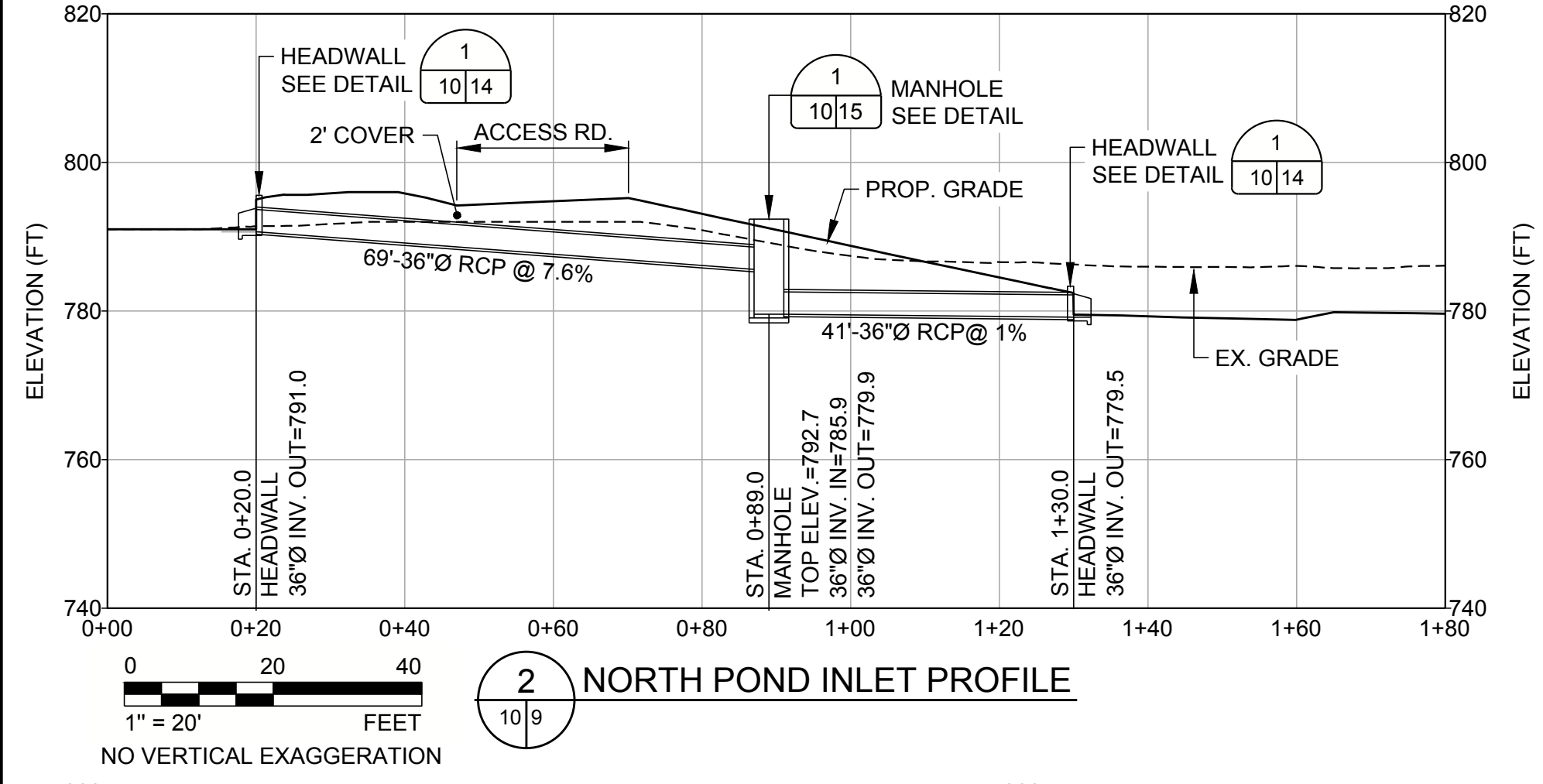
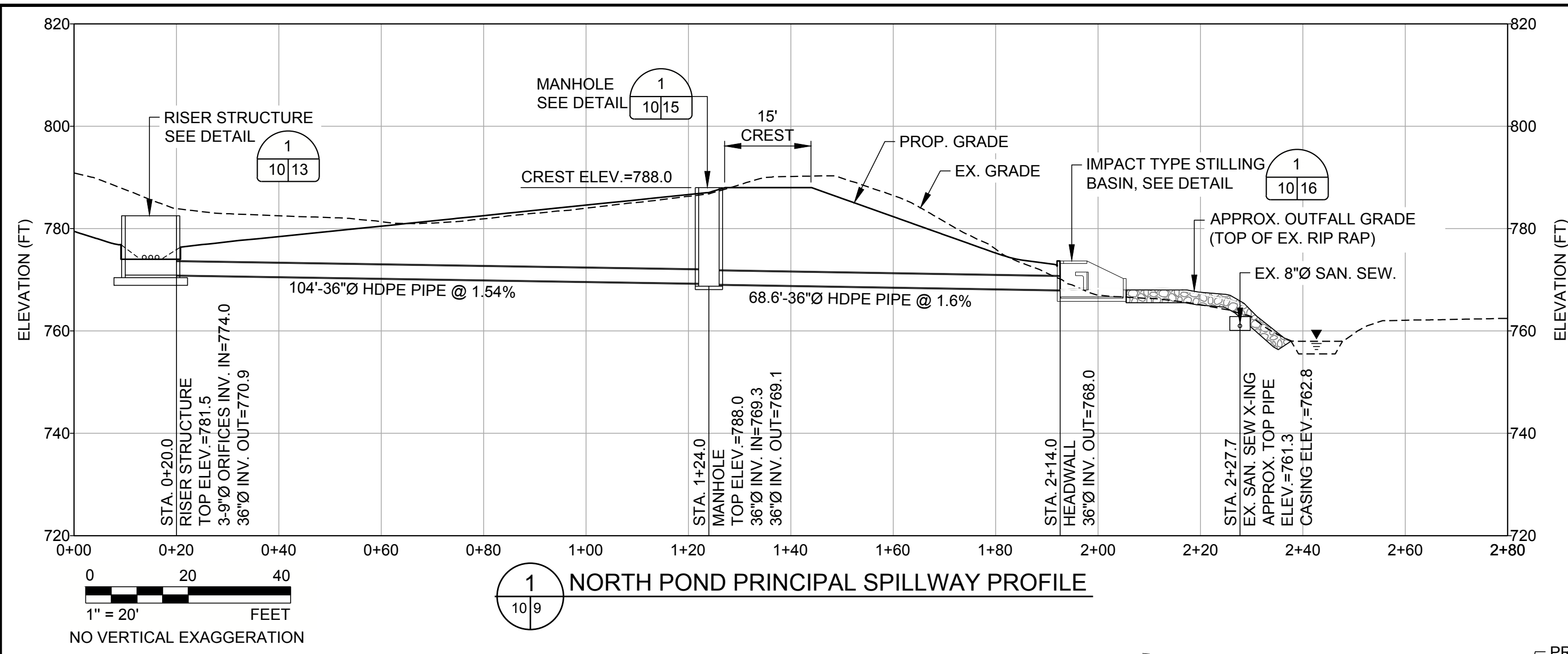
**06/2025
ISSUED FOR PERMITTING**



| | | | |
|-------------|--|---------------------|------------|
| CLIENT | SOUTHERN COMPANY SERVICES | | |
| PROJECT | PLANT MCDONOUGH - ATKINSON CCR UNIT AP-1 CLOSURE PLAN DRAWINGS | | |
| TITLE | FINAL GRADING PLAN | | |
| 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 | 9 |

- * 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

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



06/2025
ISSUED FOR PERMITTING

CLIENT
SOUTHERN COMPANY SERVICES

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

TITLE
NORTH POND PROFILES & SECTIONS

CONSULTANT
WSP

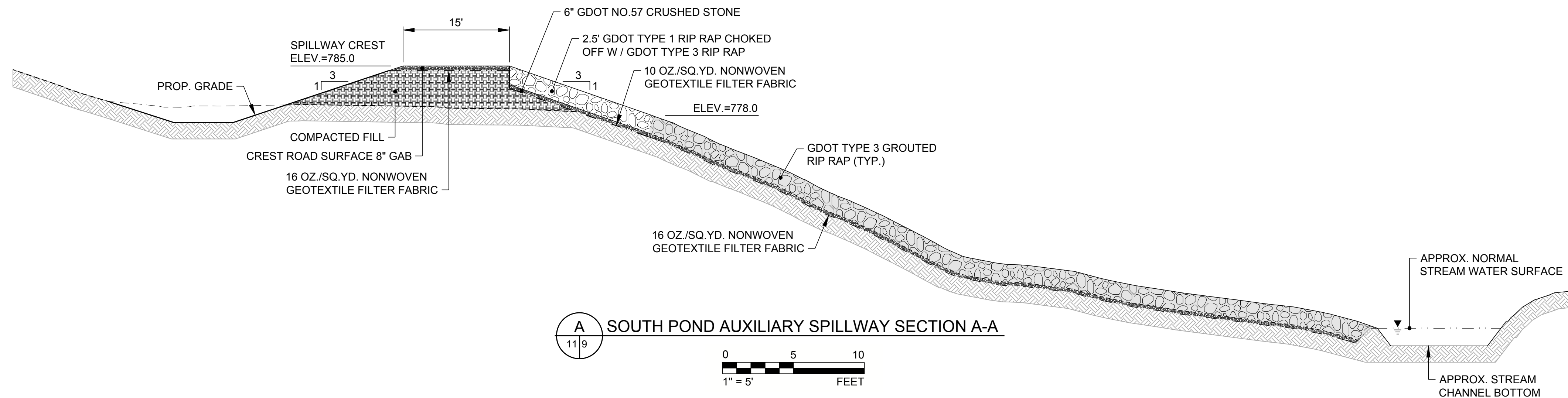
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| YYYY-MM-DD | 2025-06-06 |
| DESIGNED | GLH |
| PREPARED | RMS |
| CHECKED | MP |
| REVIEWED / APPROVED | GLH |

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

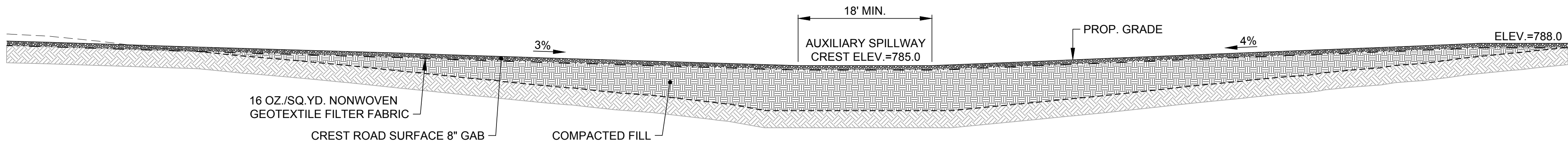
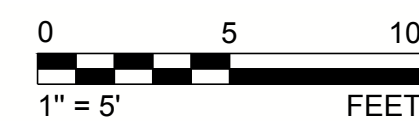
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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANS/D 11

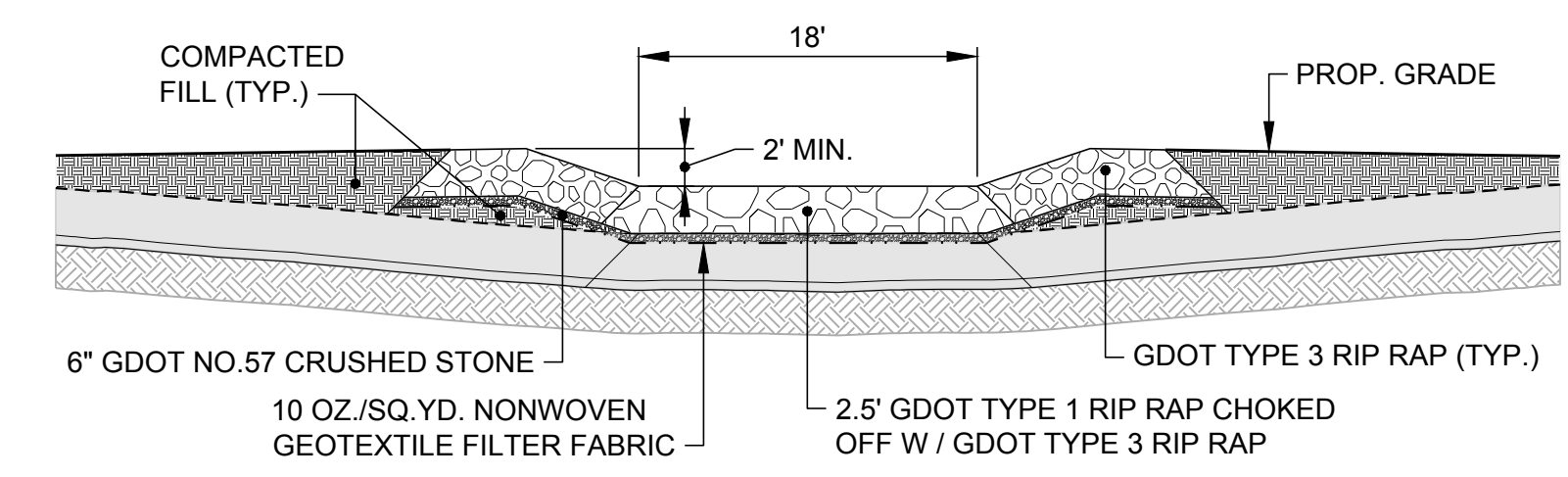
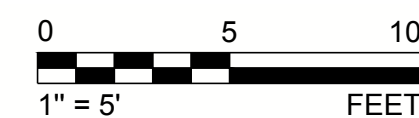
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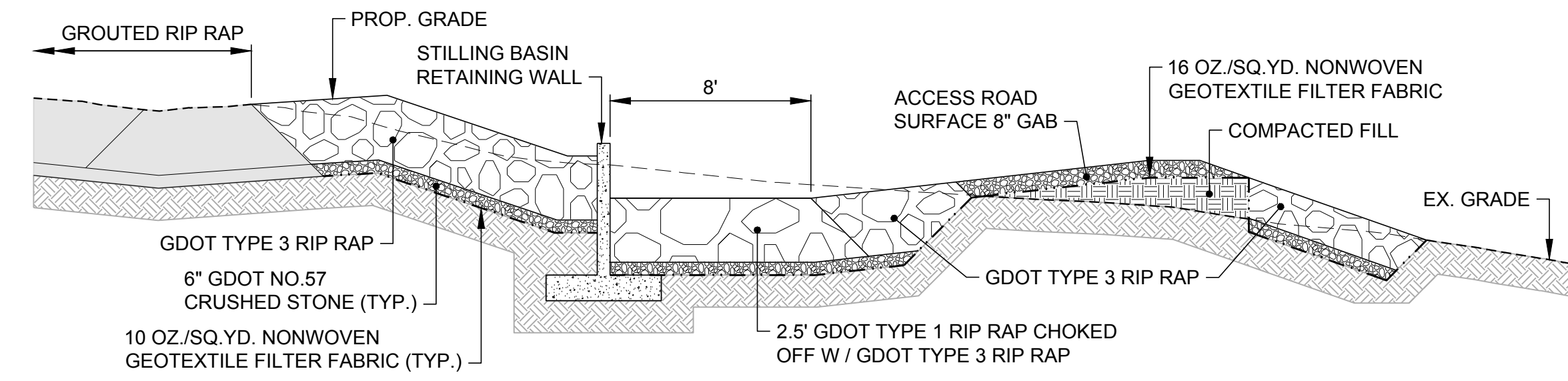
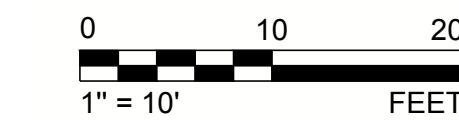
A SOUTH POND AUXILIARY SPILLWAY SECTION A-A



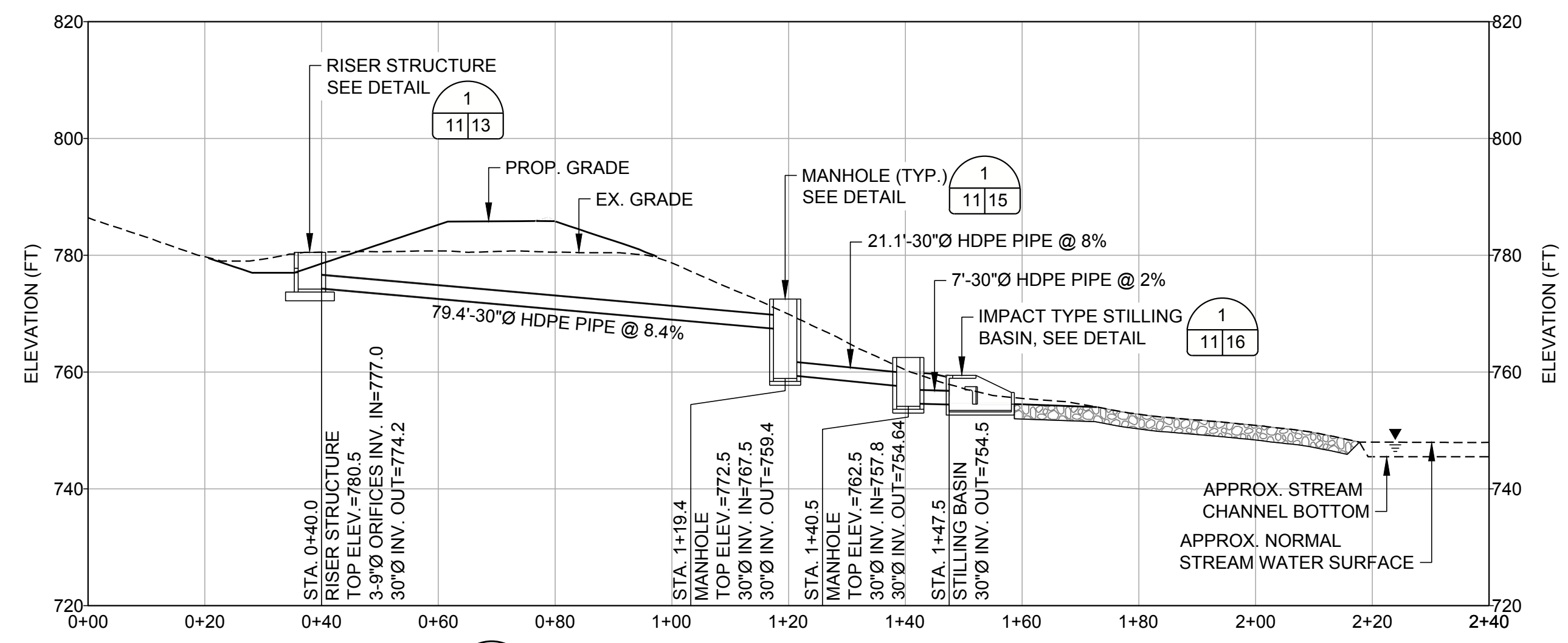
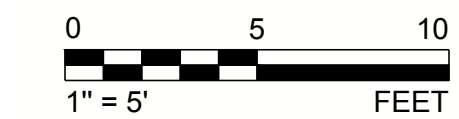
B SOUTH POND AUXILIARY SPILLWAY SECTION B-B



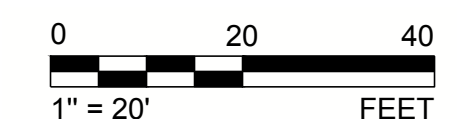
C SOUTH POND AUXILIARY SPILLWAY SECTION C-C



D SOUTH POND AUXILIARY SPILLWAY SECTION D-D



1 SOUTH POND PRINCIPAL SPILLWAY PROFILE



**06/2025
ISSUED FOR PERMITTING**

CLIENT
SOUTHERN COMPANY SERVICES



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



TITLE
SOUTH POND PROFILES & SECTIONS

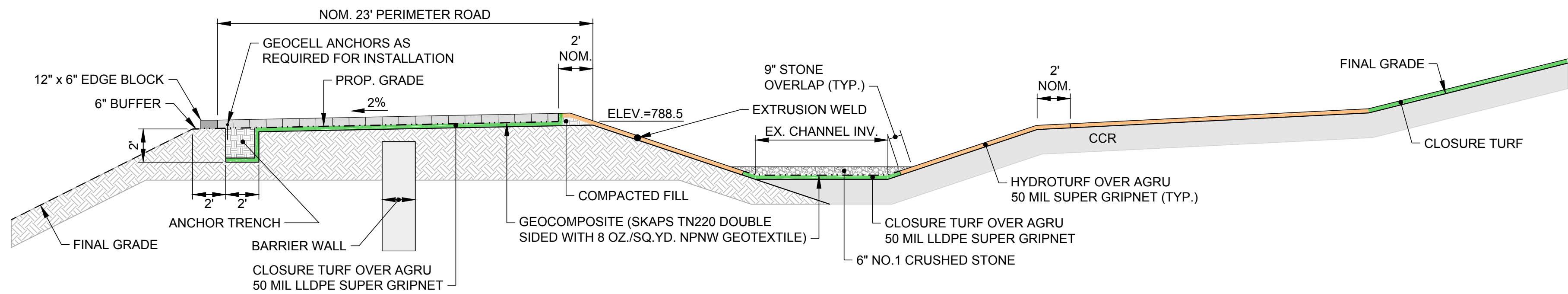


GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

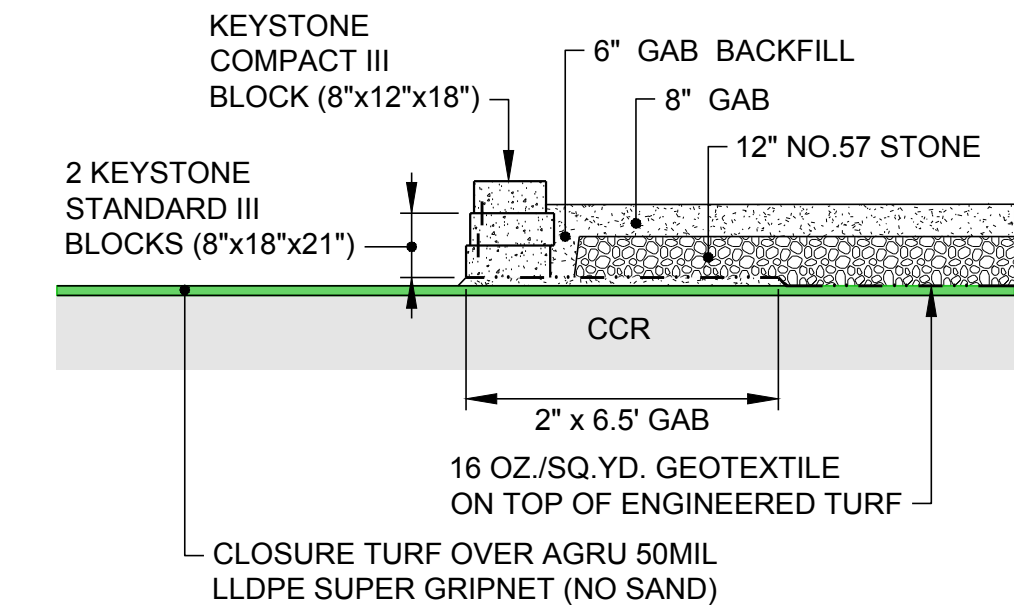
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| CONSULTANT | WSP | YYYY-MM-DD | 2025-06-06 |
| DESIGNED | | DESIGNED | GLH |
| PREPARED | | PREPARED | RMS |
| CHECKED | | CHECKED | MP |
| REVIEWED / APPROVED | | REVIEWED / APPROVED | GLH |

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



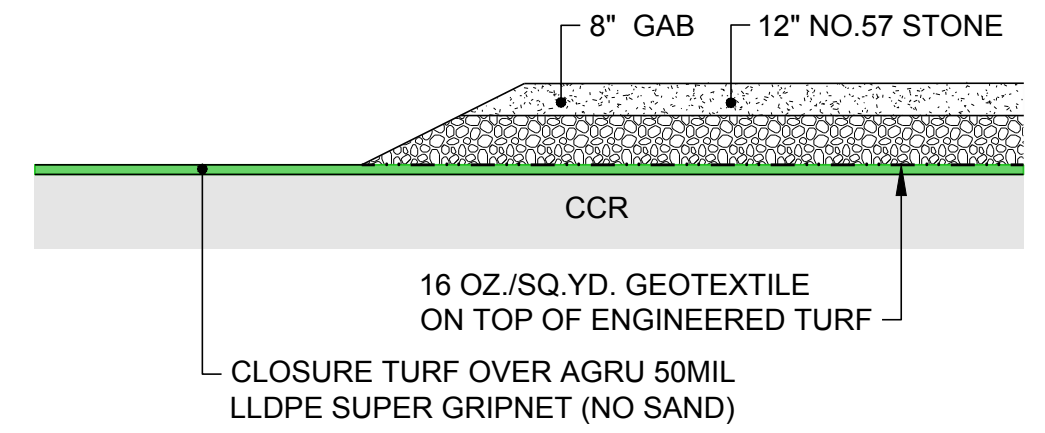
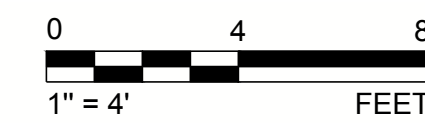
1 PERIMETER ROAD & CHANNEL
0 5 10
1" = 5' FEET



12 BLOCK EDGE

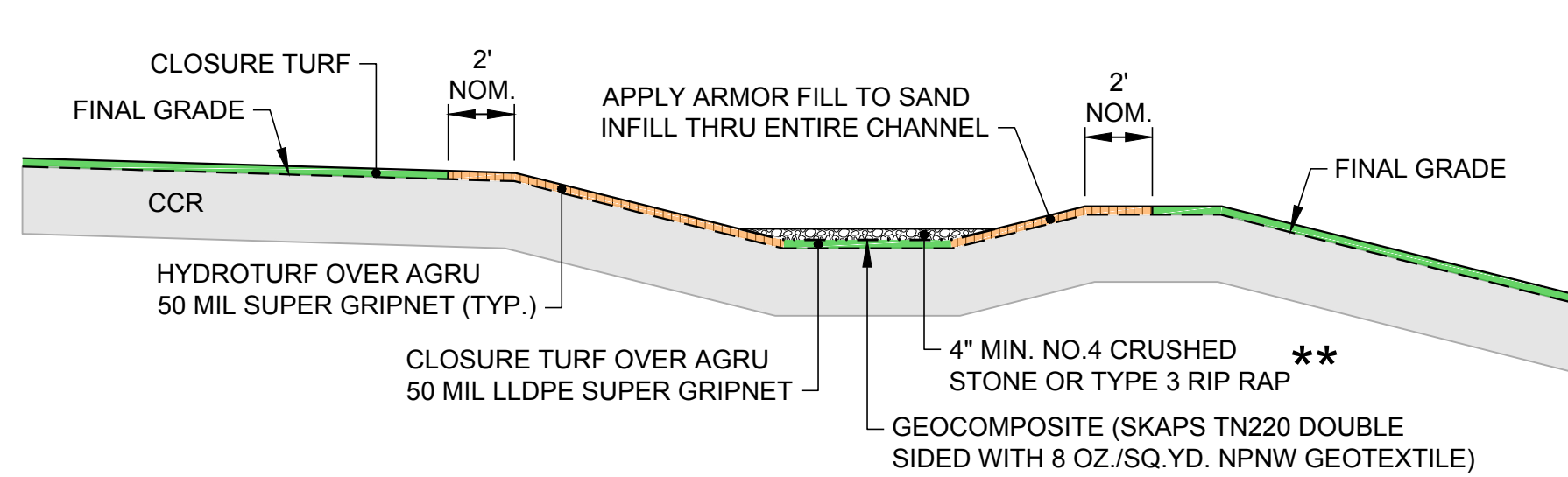
12/12

EDGE DETAIL

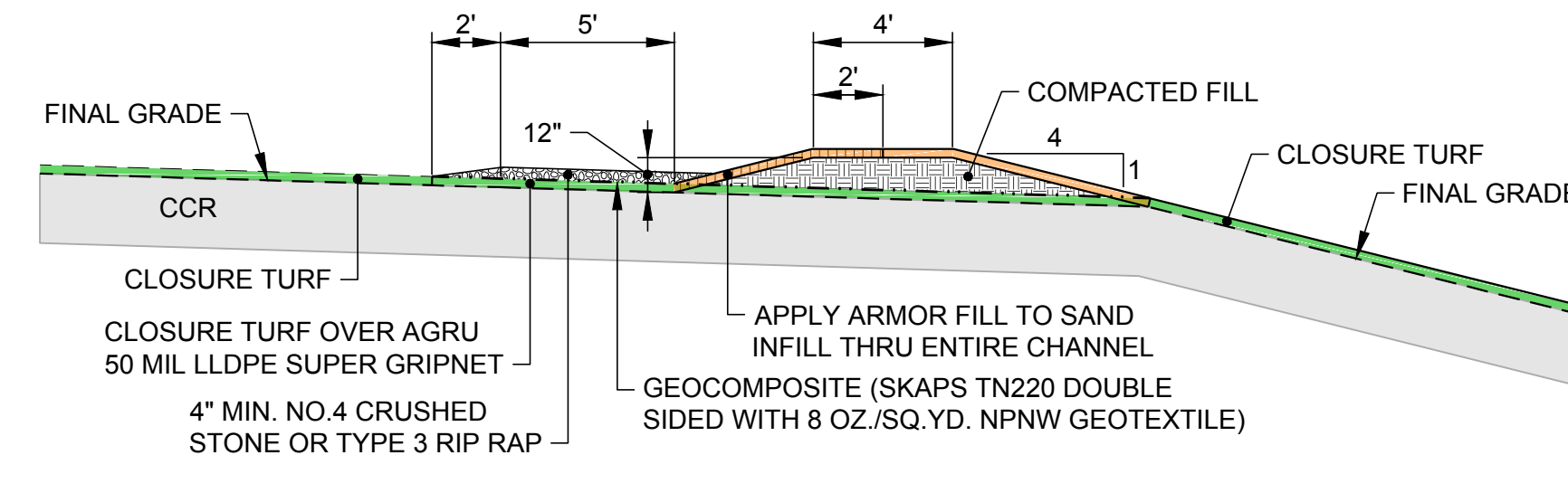


13 SLOPED EDGE

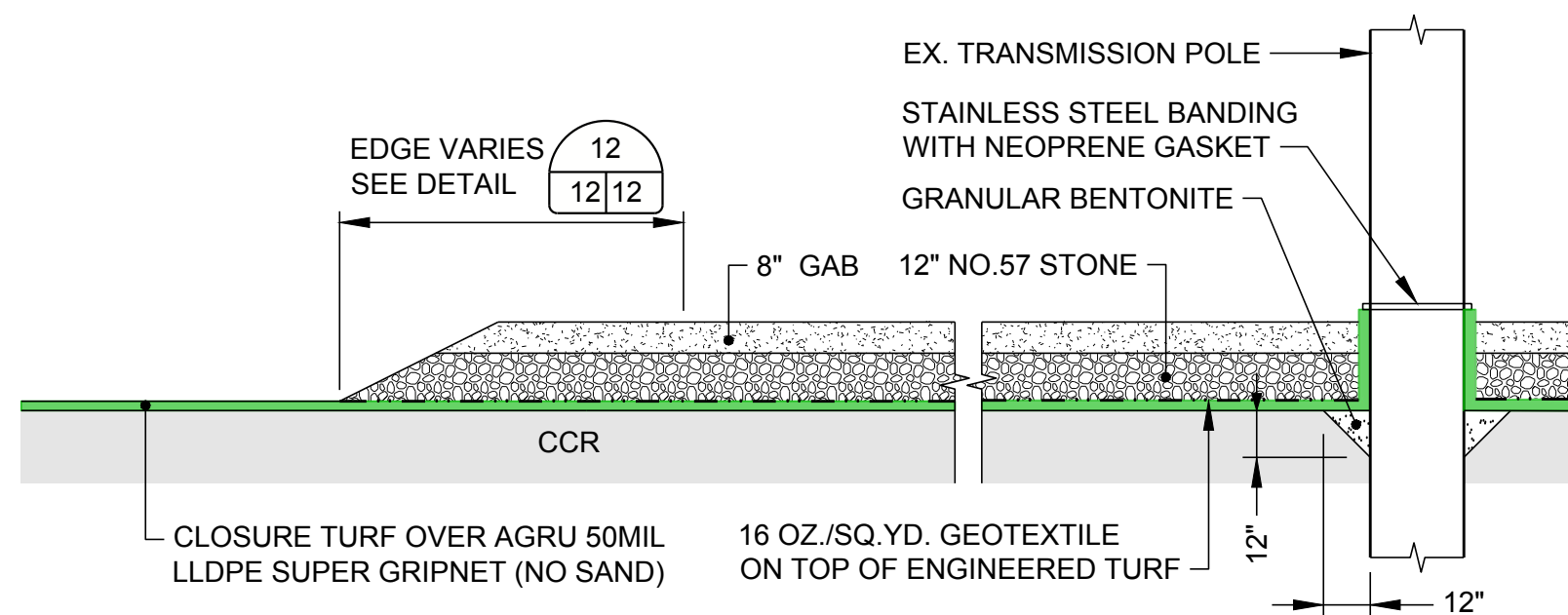
** SLOPE DIVERSION CHANNEL SHALL BE LINED WITH 4" NO. 4 STONE, WITH LAST 20' (MIN.) LINED WITH 8" TYPE 3 RIP RAP TO PROVIDE TERMINATION AND TRANSITION.



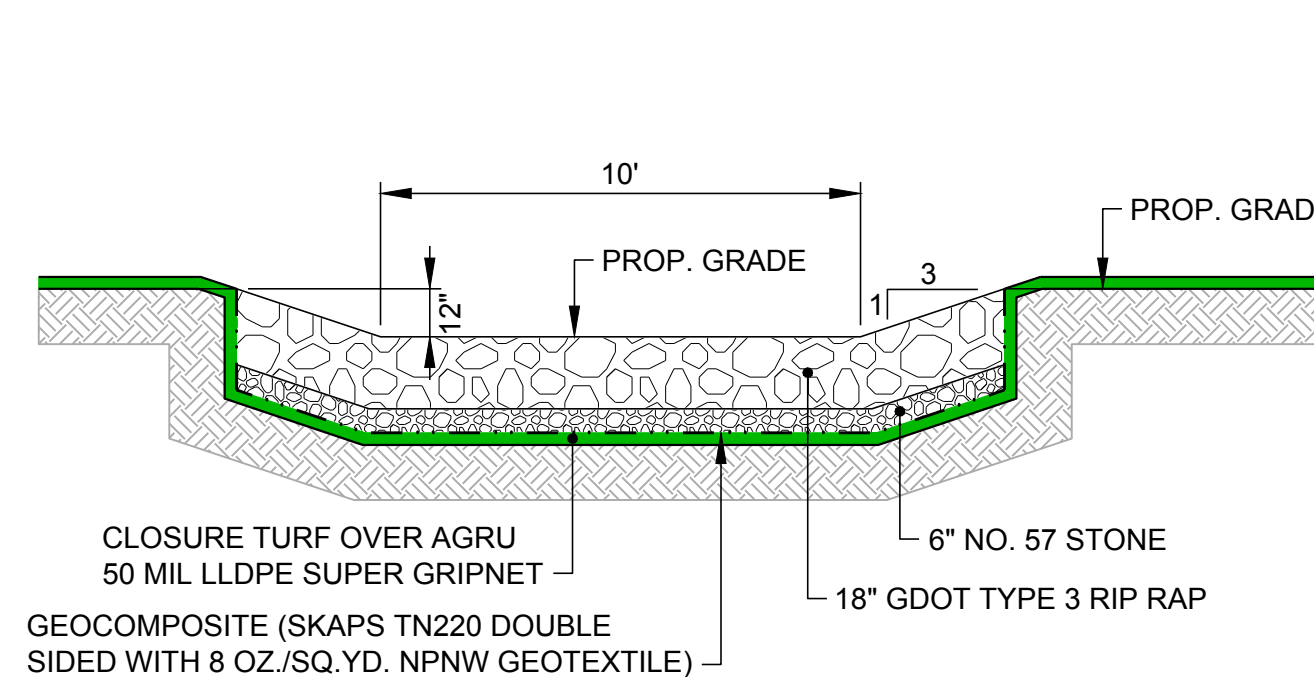
2 TOP OF SLOPE DIVERSION
0 5 10
1" = 5' FEET



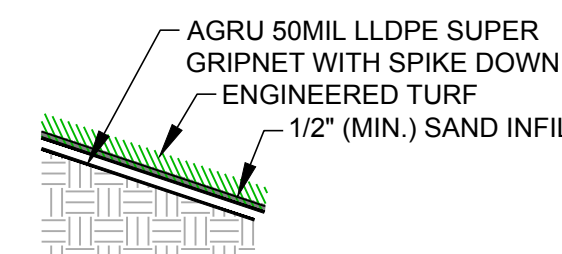
3 TOP OF SLOPE DIVERSION CONNECTION
0 5 10
1" = 5' FEET



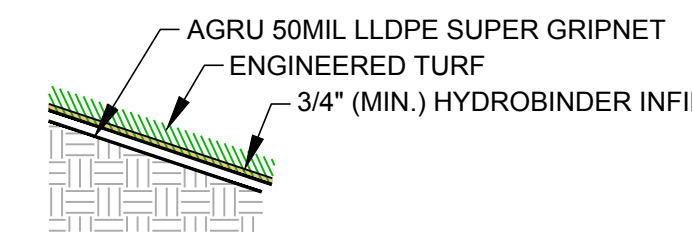
4 GRAVEL ROAD & TRANSMISSION PAD
0 4 8
1" = 4' FEET



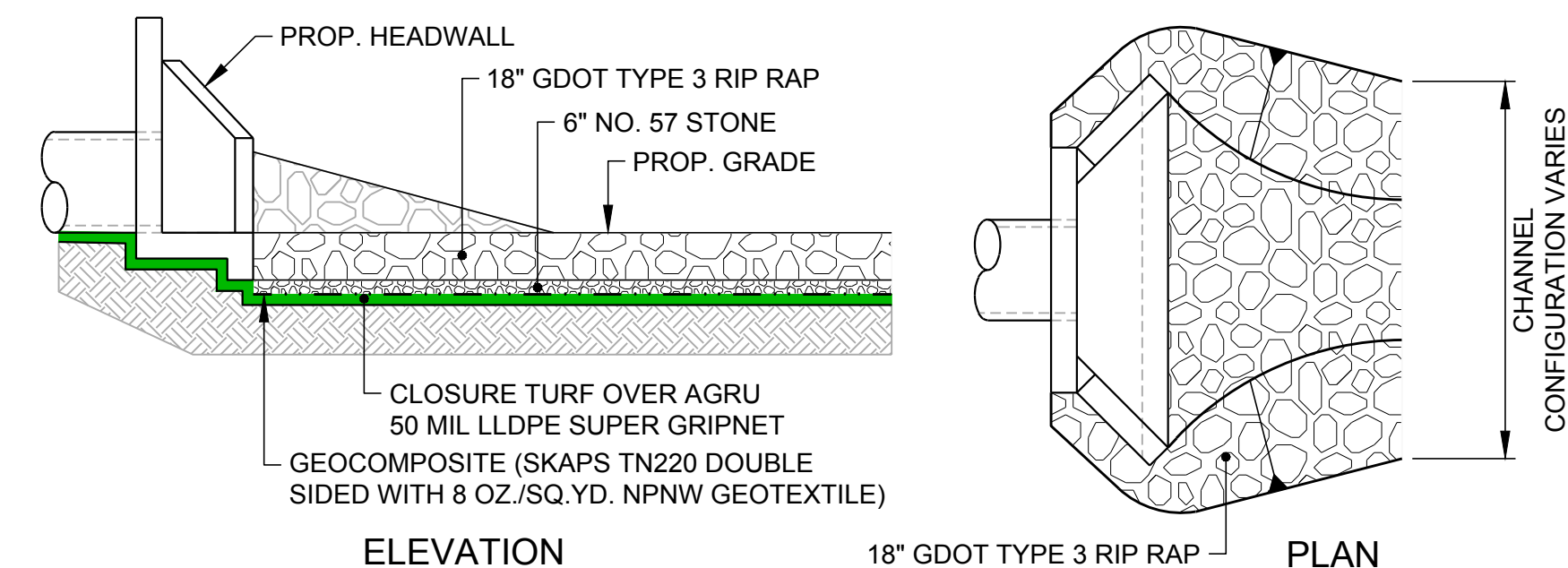
5 TYPE 3 RIP RAP CHANNEL OVER CLOSURE TURF
0 4 8
1" = 4' FEET



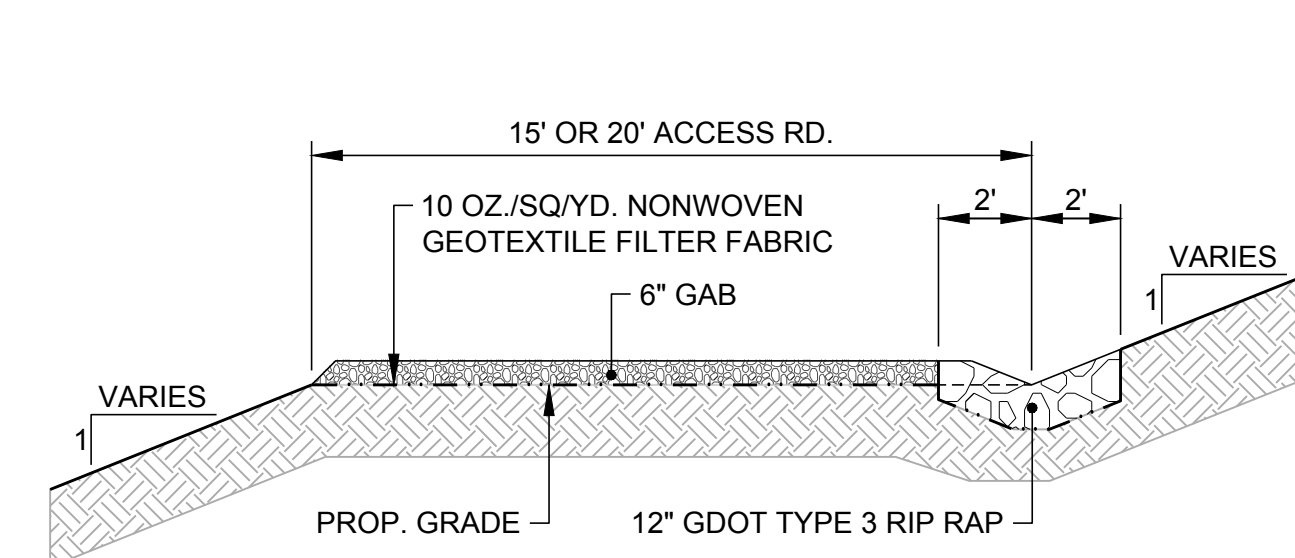
8 CLOSURETURF FINAL COVER WITH SUPER GRIPNET DETAIL
NTS



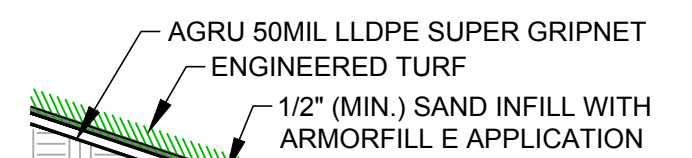
9 HYDROTURF FINAL COVER DETAIL
NTS



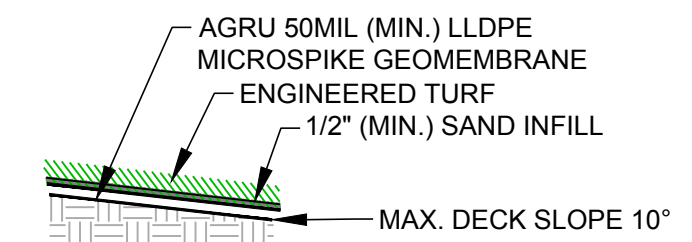
6 RIP RAP APRON
NTS



7 GRAVEL ROAD OUTSIDE OF CLOSURE TURF
0 4 8
1" = 4' FEET



10 CLOSURETURF FINAL COVER WITH ARMORFILL E APPLICATION
NTS



11 CLOSURETURF FINAL COVER WITH MICROSPIKE DETAIL
NTS

06/2025
ISSUED FOR PERMITTING

CLIENT
SOUTHERN COMPANY SERVICES



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



TITLE
COVER SYSTEM DETAILS



GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CONSULTANT



PROJECT NO.
1777449

PROJECT ID
MCD15017

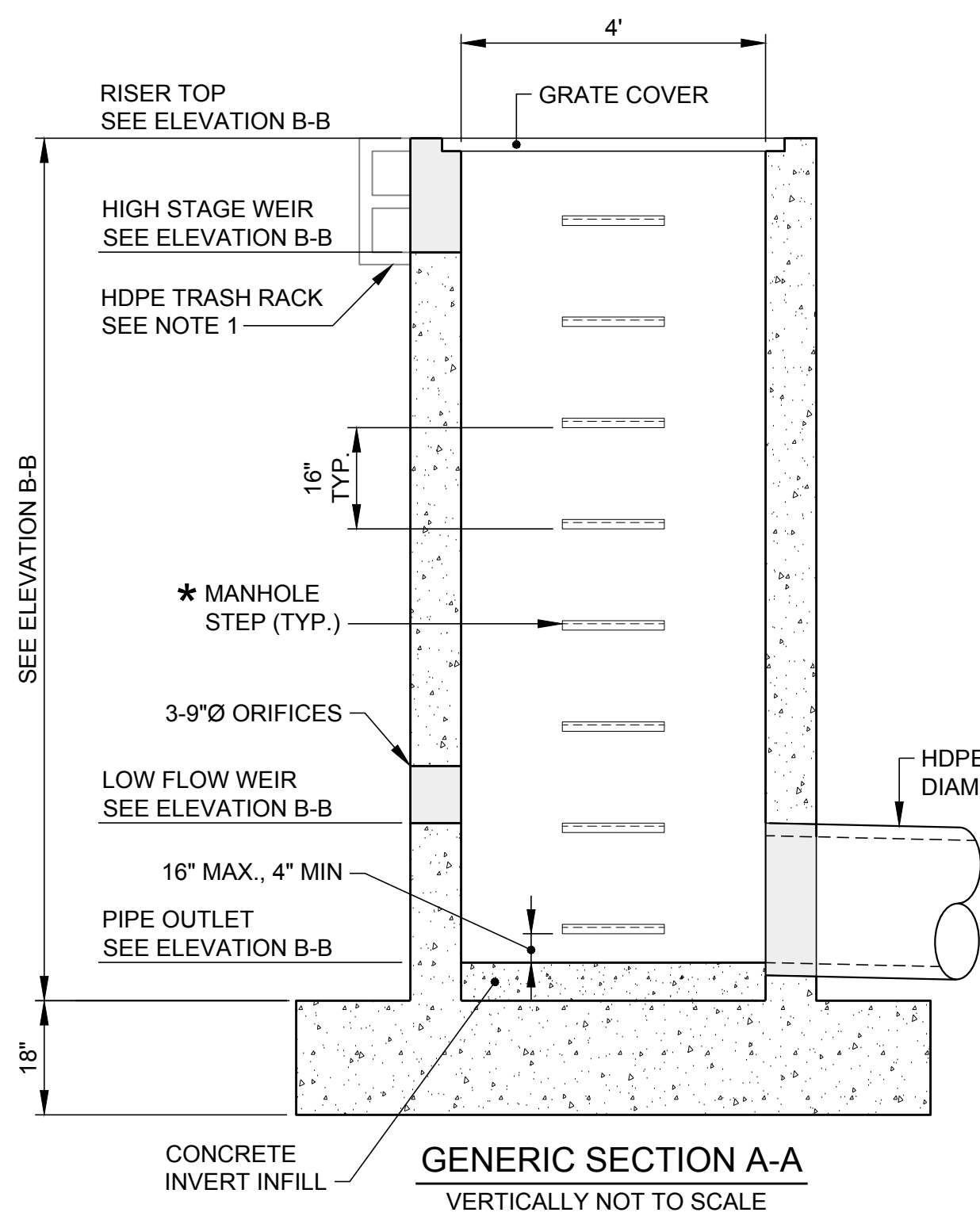
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| YYYY-MM-DD | 2025-06-06 |
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| REVIEWED / APPROVED | GLH |

REV.
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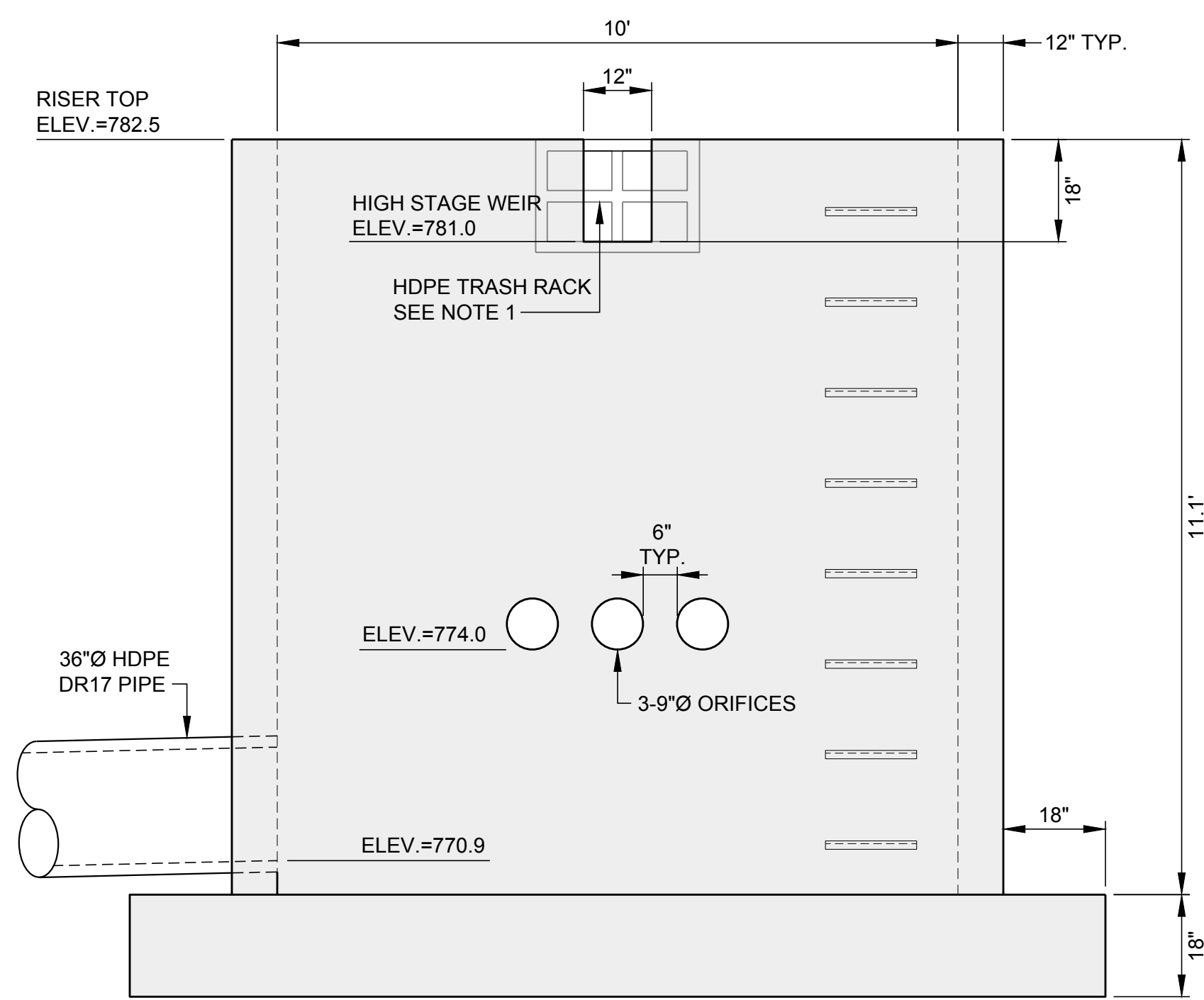
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12

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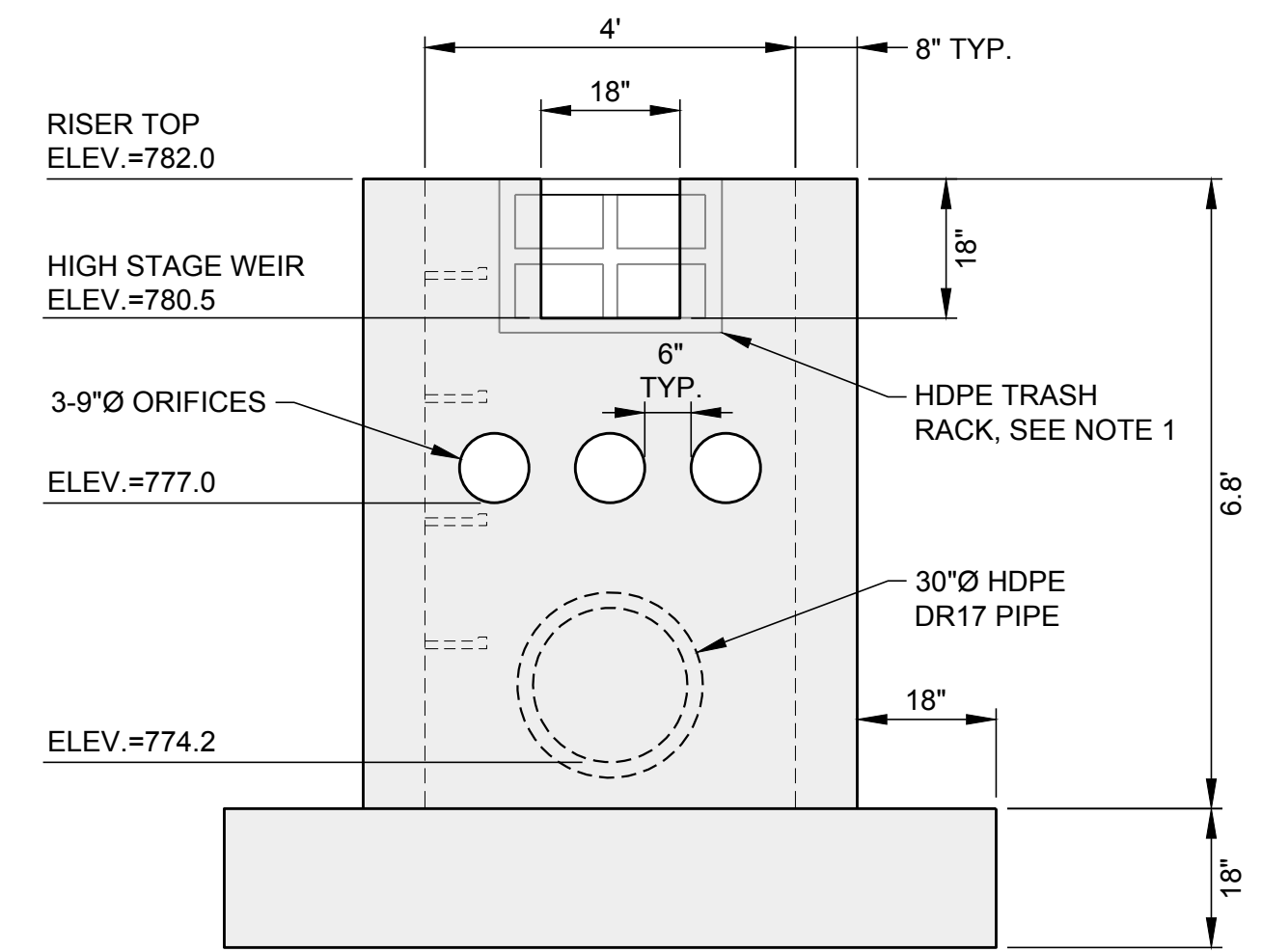
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI D



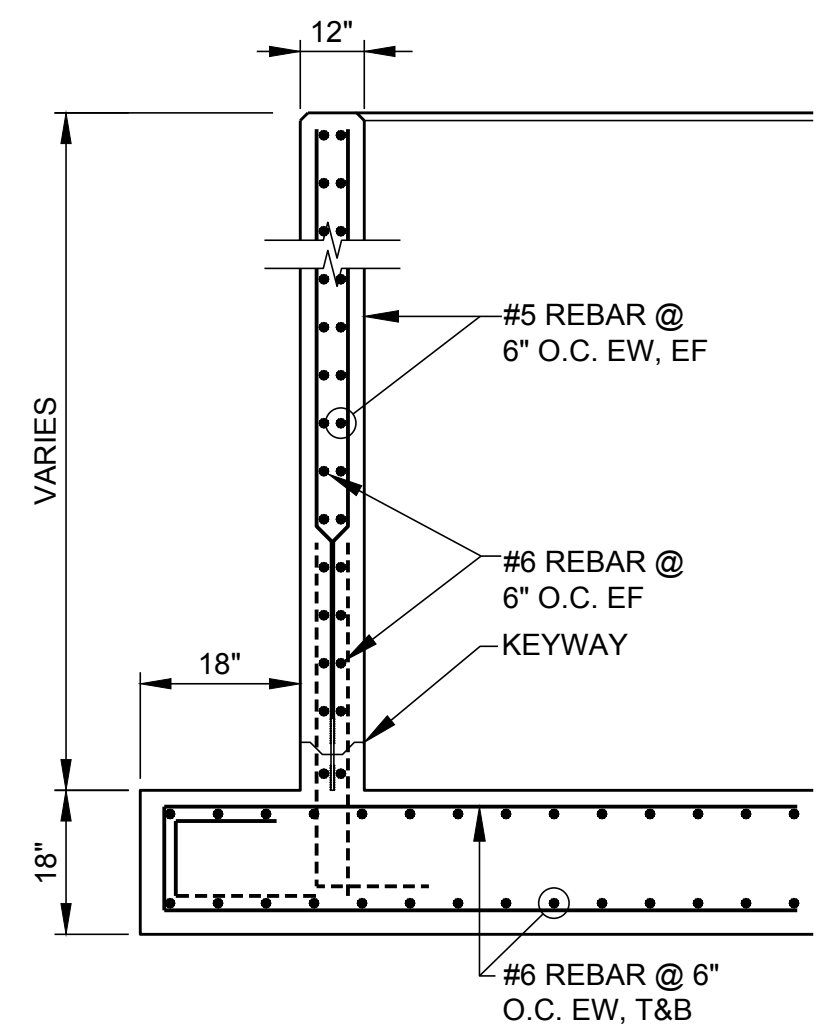
GENERIC SECTION A-A
VERTICALLY NOT TO SCALE



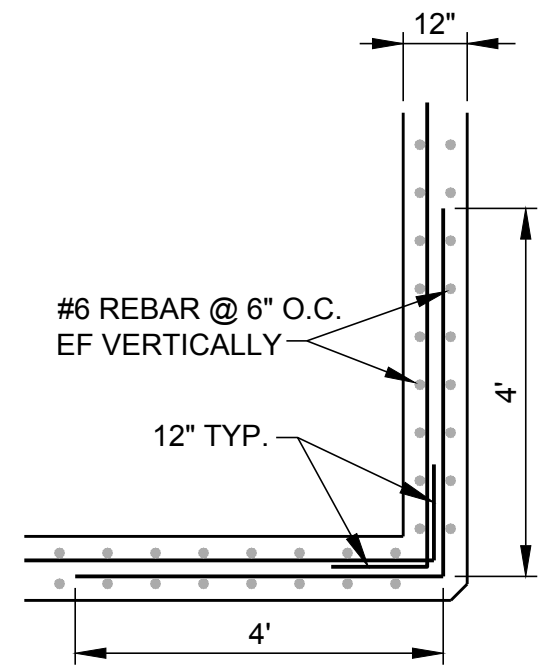
ELEVATION B-B - NORTH POND



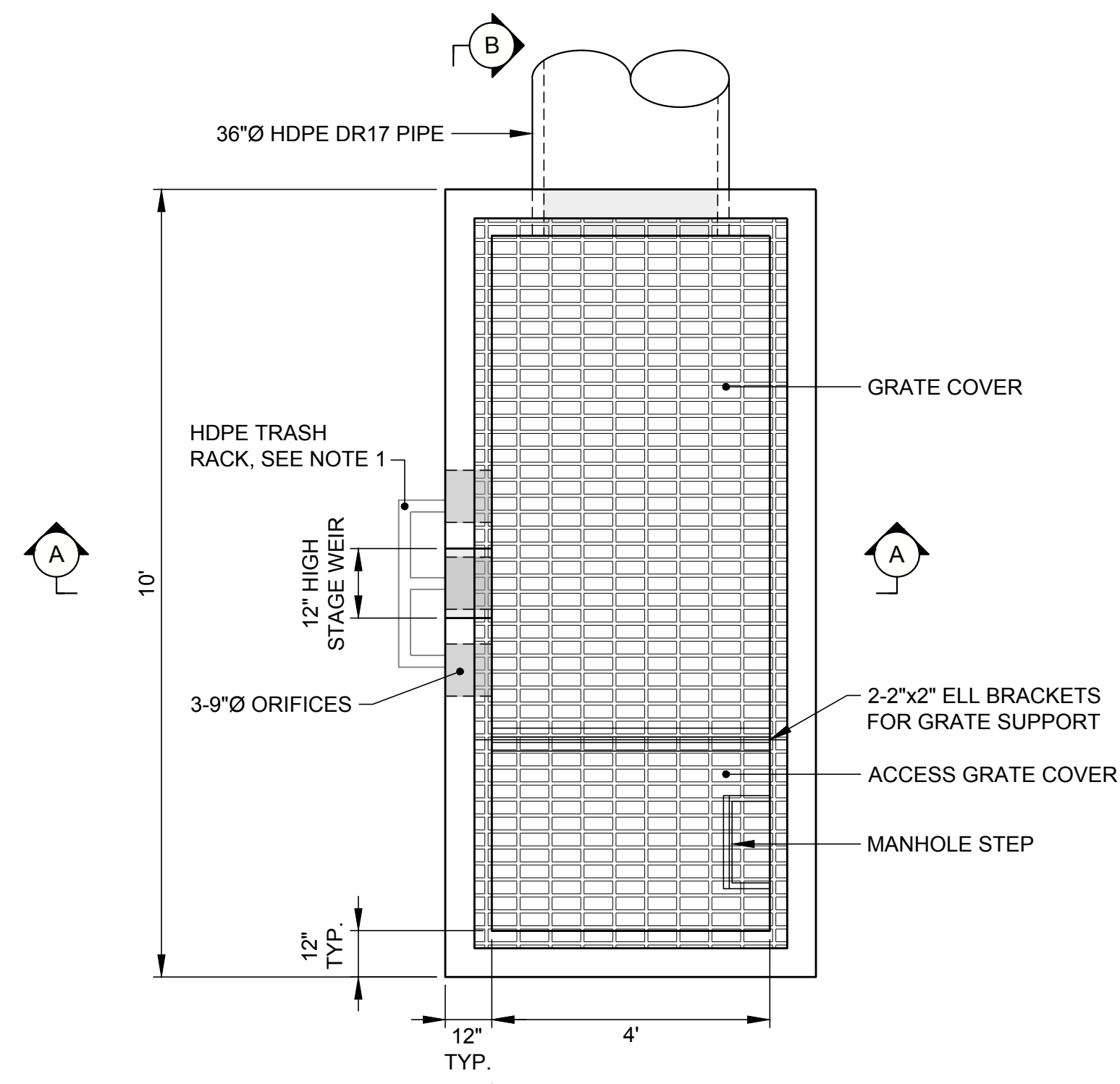
ELEVATION B-B - SOUTH POND



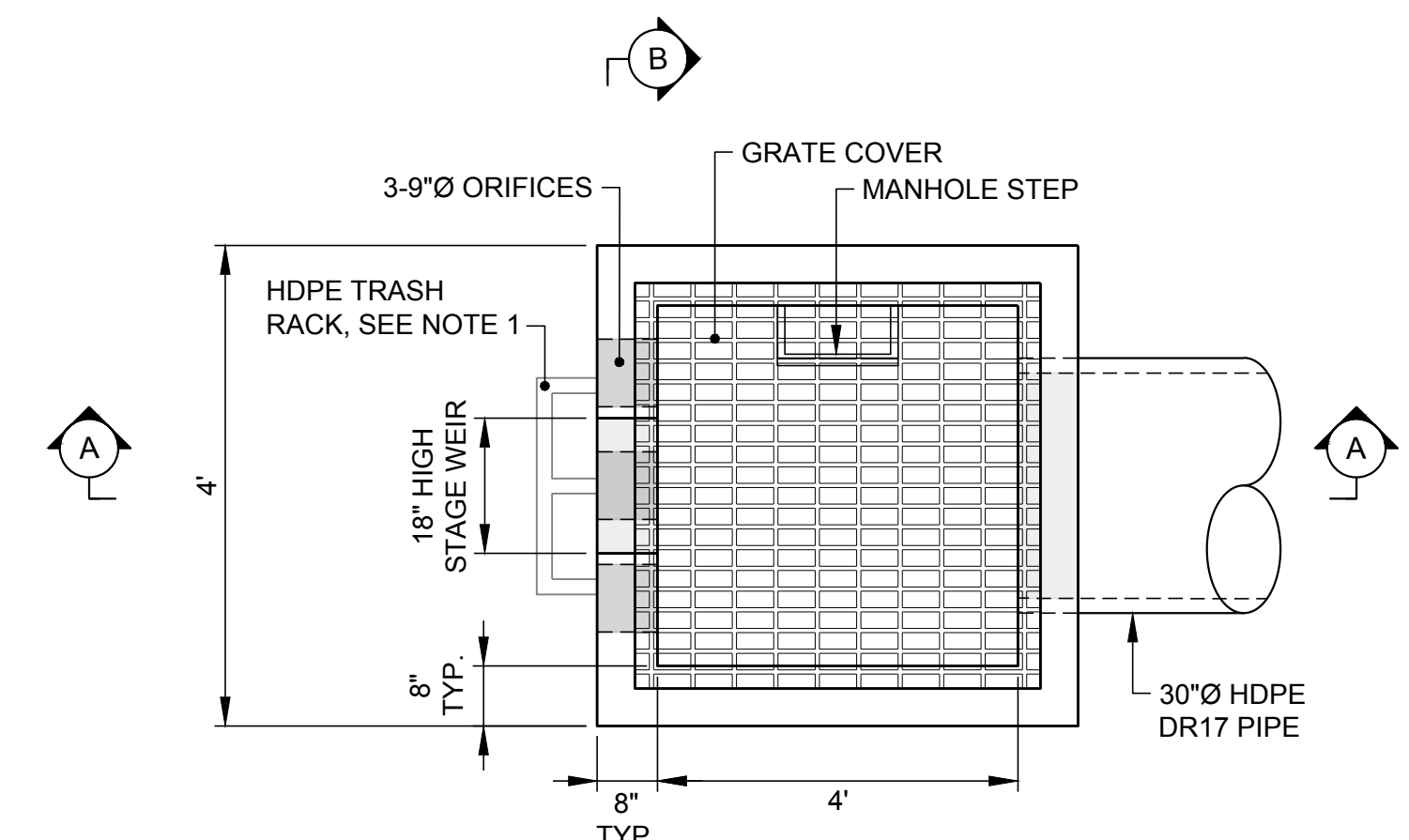
TYPICAL REINFORCEMENT SECTION



TYPICAL WALL CORNER REINFORCEMENT - PLAN



PLAN - NORTH POND



PLAN - SOUTH POND

1 RISER STRUCTURE DETAILS
13 | 9 10, 11 NTS

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.

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SOUTHERN COMPANY SERVICES



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



TITLE
STORMWATER MANAGEMENT DETAILS - SHEET 1



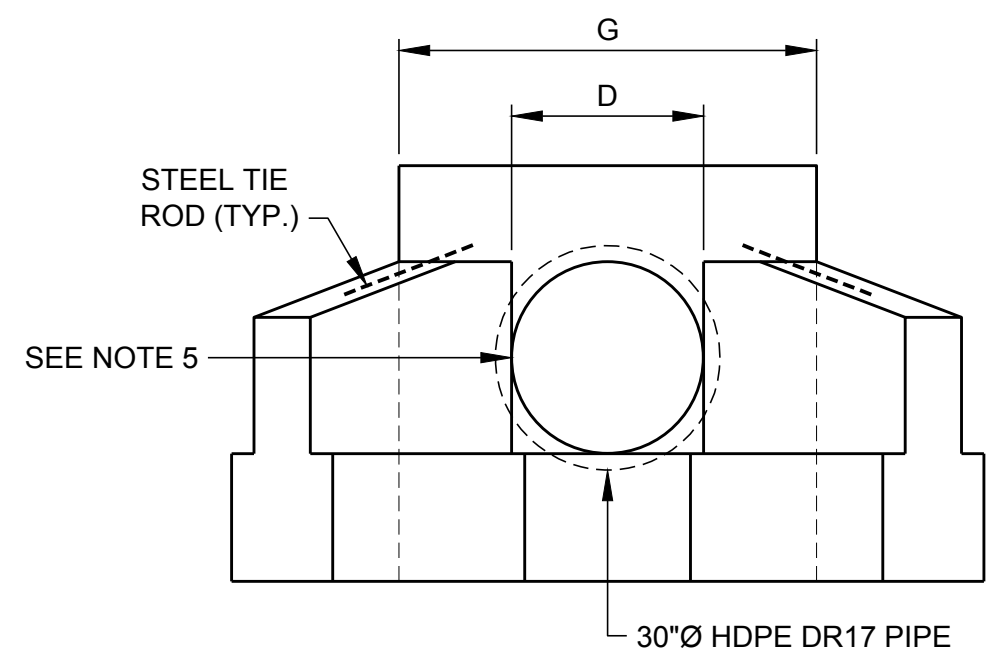
GREGORY L. HEBEL
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

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

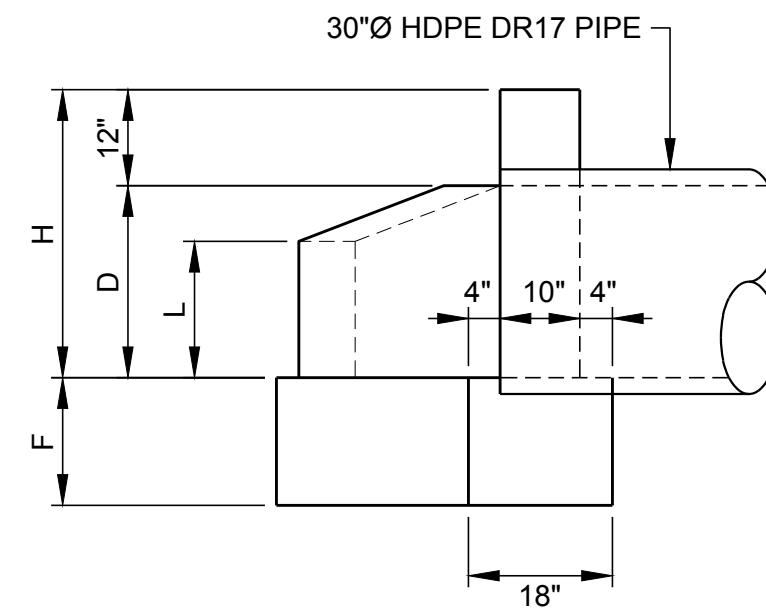
PROJECT NO. 1777449 PROJECT ID MCD15017 REV. 0 SHEET 13

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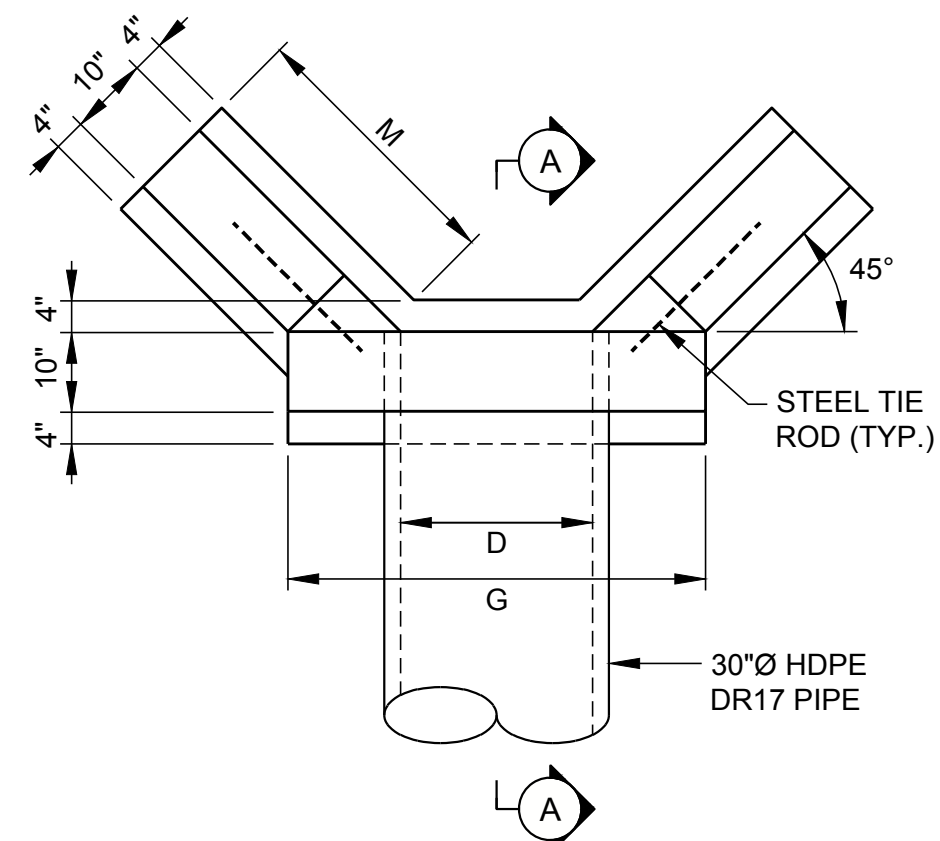
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANS/D 1 in



FRONT ELEVATION



SECTION A-A



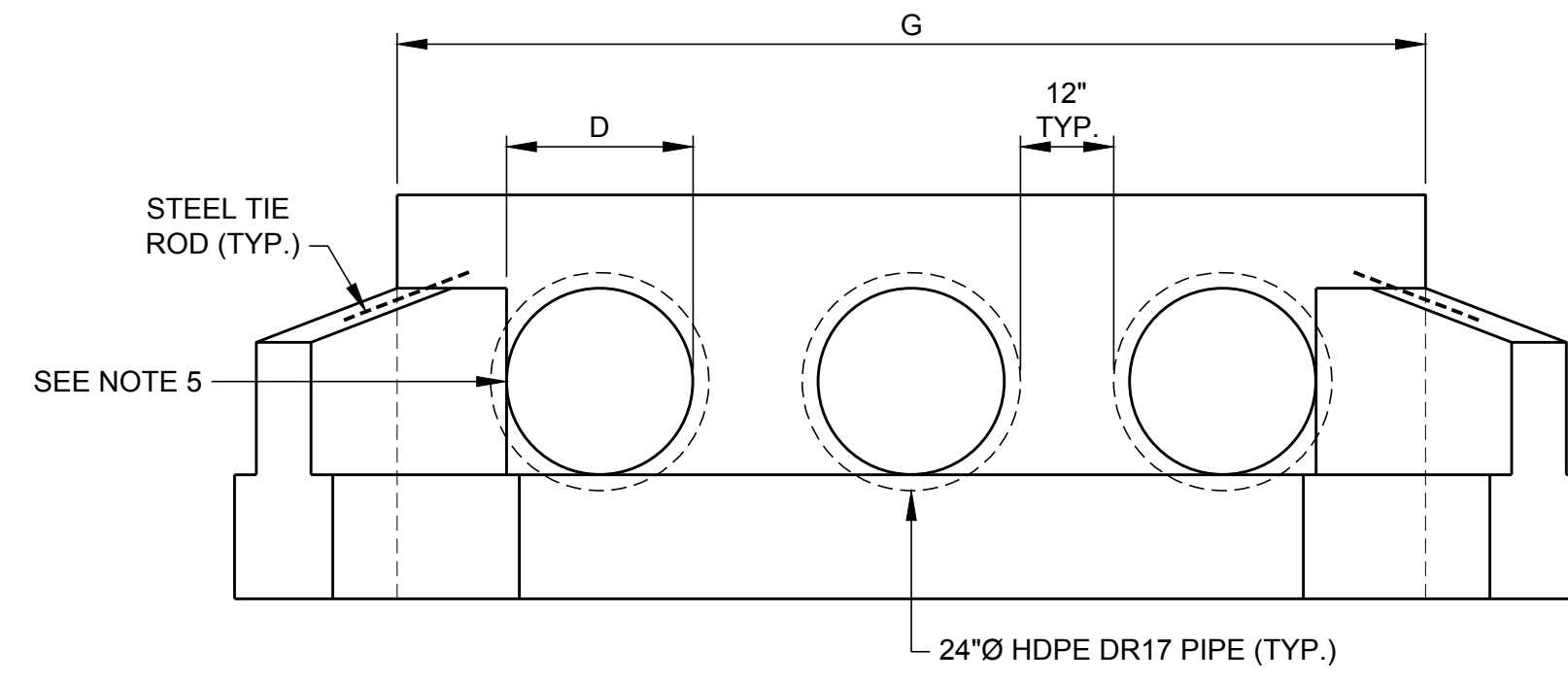
PLAN

NOTES

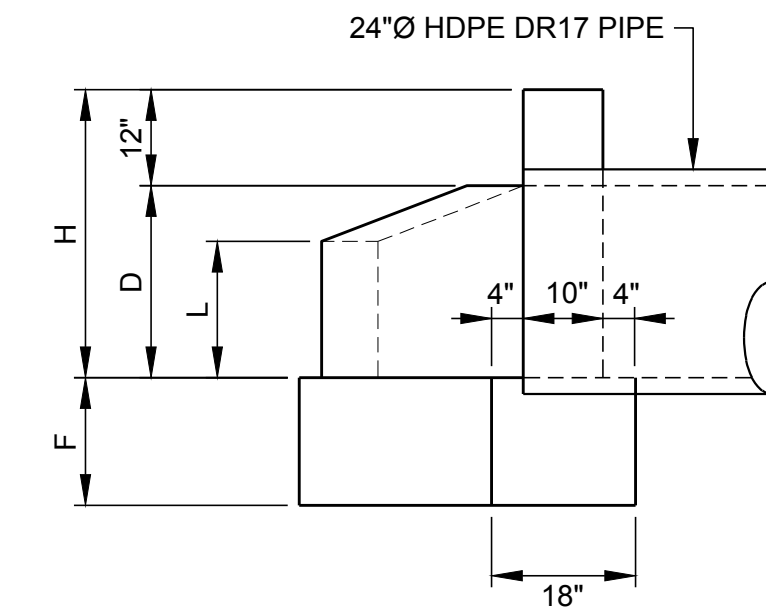
1. ALL CONCRETE SHALL BE 5000 PSI, UNLESS OTHERWISE NOTED.
2. REINFORCING STEEL SHALL BE #4 BARS (MIN.), GRADE 60, @ 12" O.C. MAX. SPACING.
3. PLACE REINFORCING 2" CLEAR MIN.
4. CHAMFER ALL EXPOSED EDGES 1".
5. IF PIPE HAS NEITHER A GROOVE NOR A SPIGOT AT ITS INLET, AN INLET BEVEL WILL BE REQUIRED.

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

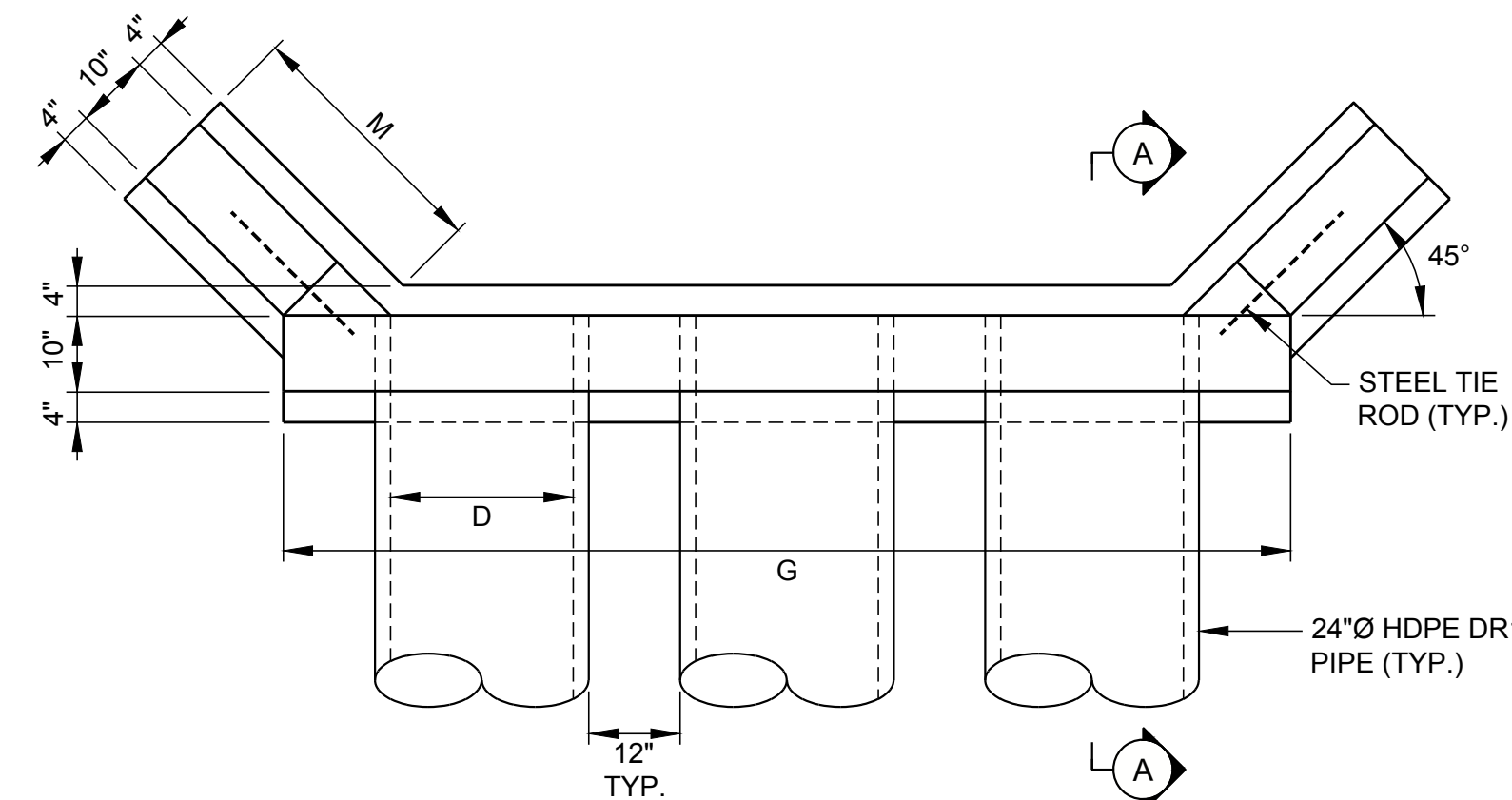
1 HEADWALL DETAILS
14/9 10 NTS



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.

| PIPE DIAMETER D | HEADWALL DIMENSIONS | | | | | HEADWALL QUANTITIES | | | |
|--------------------|---------------------|----------|-------|--------|-------|-------------------------|------|------|---------------------|
| | H | G (MIN.) | L | M | F | CONCRETE CU. FT. (MIN.) | | | STEEL TIE RODS |
| 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

06/2025
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PROJECT
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS



TITLE
STORMWATER MANAGEMENT DETAILS - SHEET 2

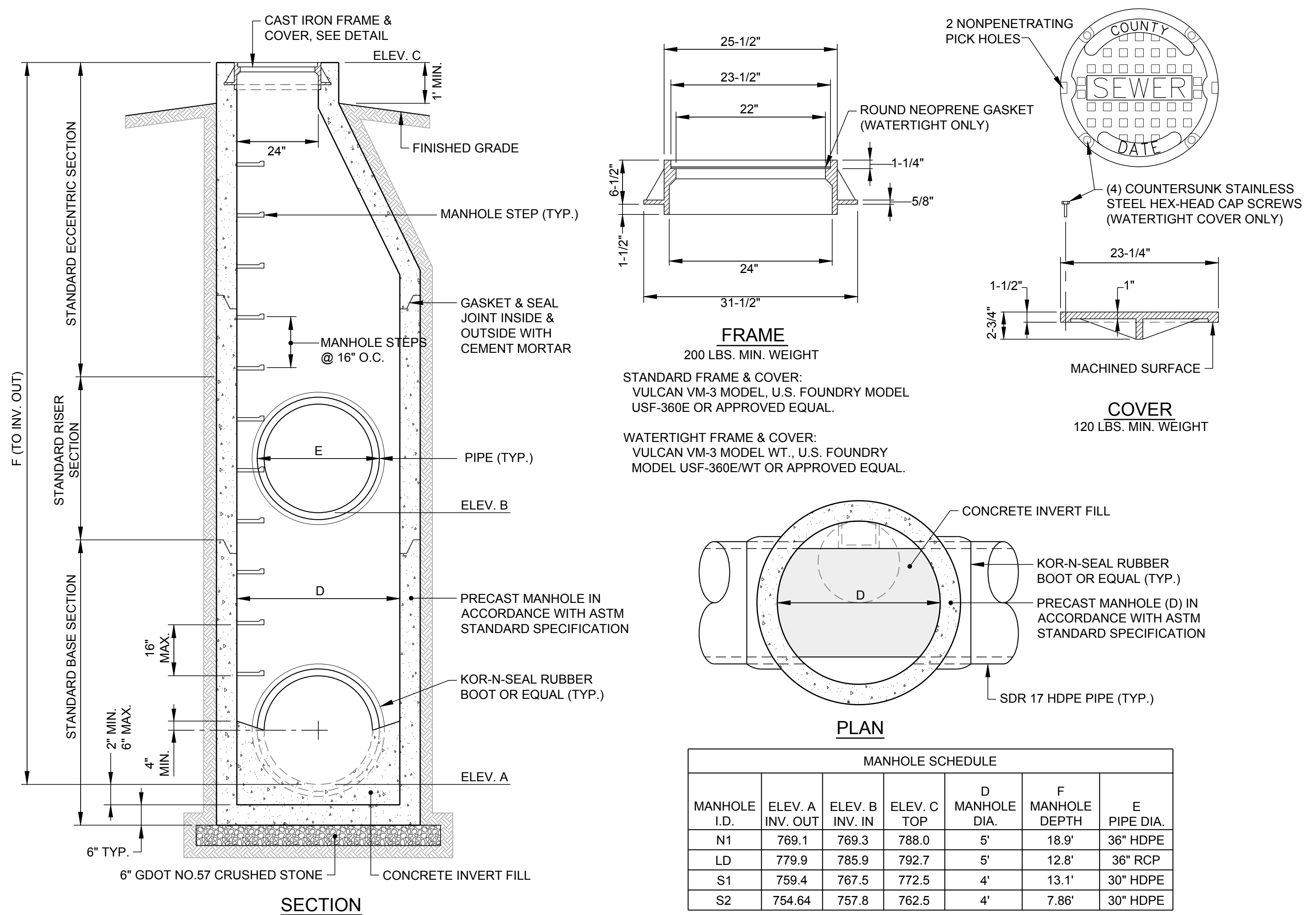


GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

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

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

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MANHOLE SCHEDULE

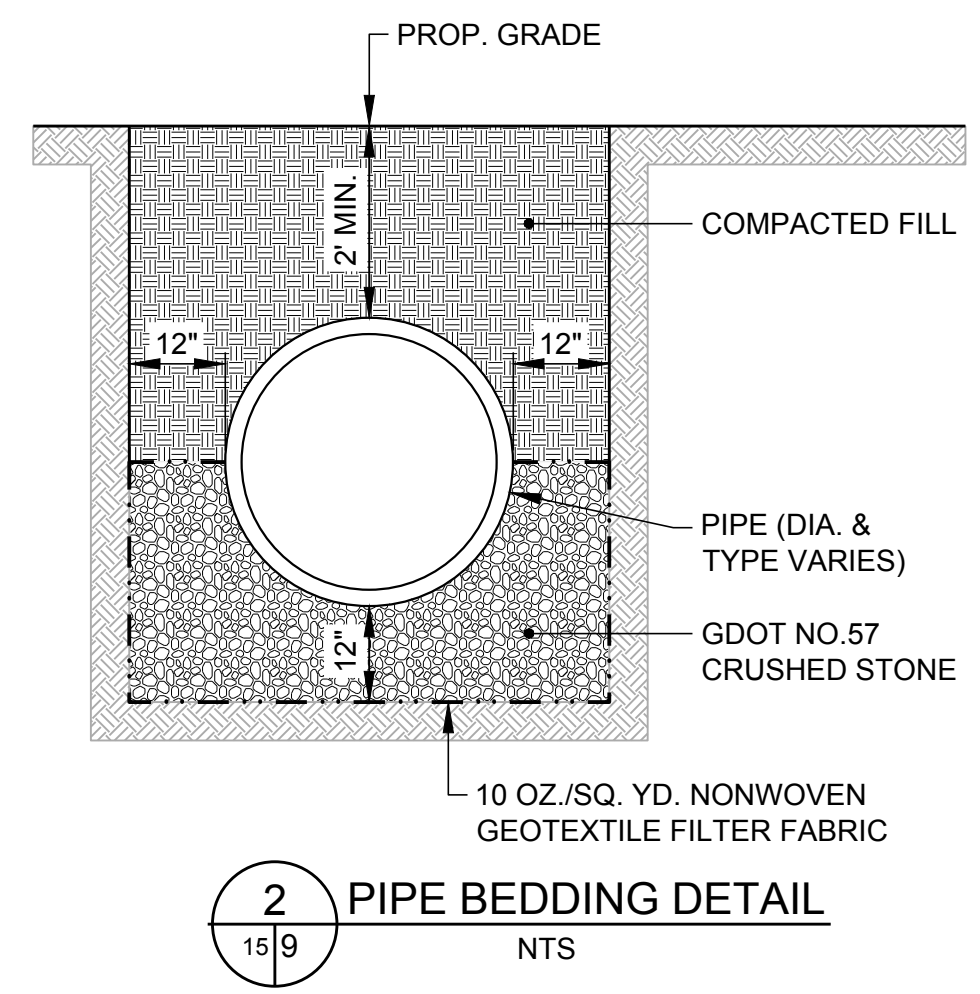
| MANHOLE I.D. | ELEV. A INV. OUT | ELEV. B INV. IN | ELEV. C TOP | D MANHOLE DIA. | F MANHOLE DEPTH | E PIPE DIA. |
|--------------|------------------|-----------------|-------------|----------------|-----------------|-------------|
| N1 | 769.1 | 769.3 | 788.0 | 5' | 18.9' | 36" HDPE |
| LD | 779.9 | 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

- 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.
- 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.
- FOR CONSTRUCTION OF THE MANHOLE LID, CLASS AA OR BETTER CONCRETE SHALL BE USED WITH REINFORCING STEEL AS SHOWN.
- MORTAR SHALL BE TYPE S OR M.
- 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.
- 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.
- IF STRUCTURE DEPTH EXCEEDS 4'-6", METAL STEPS ARE TO BE PLACED ON THE WALL.
- THE NUMBER OF BOX OPENINGS SHALL BE CONSTRUCTED AS DIRECTED BY THE ENGINEER, TO FIT FIELD CONDITIONS.



2 PIPE BEDDING DETAIL
15/9 NTS

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

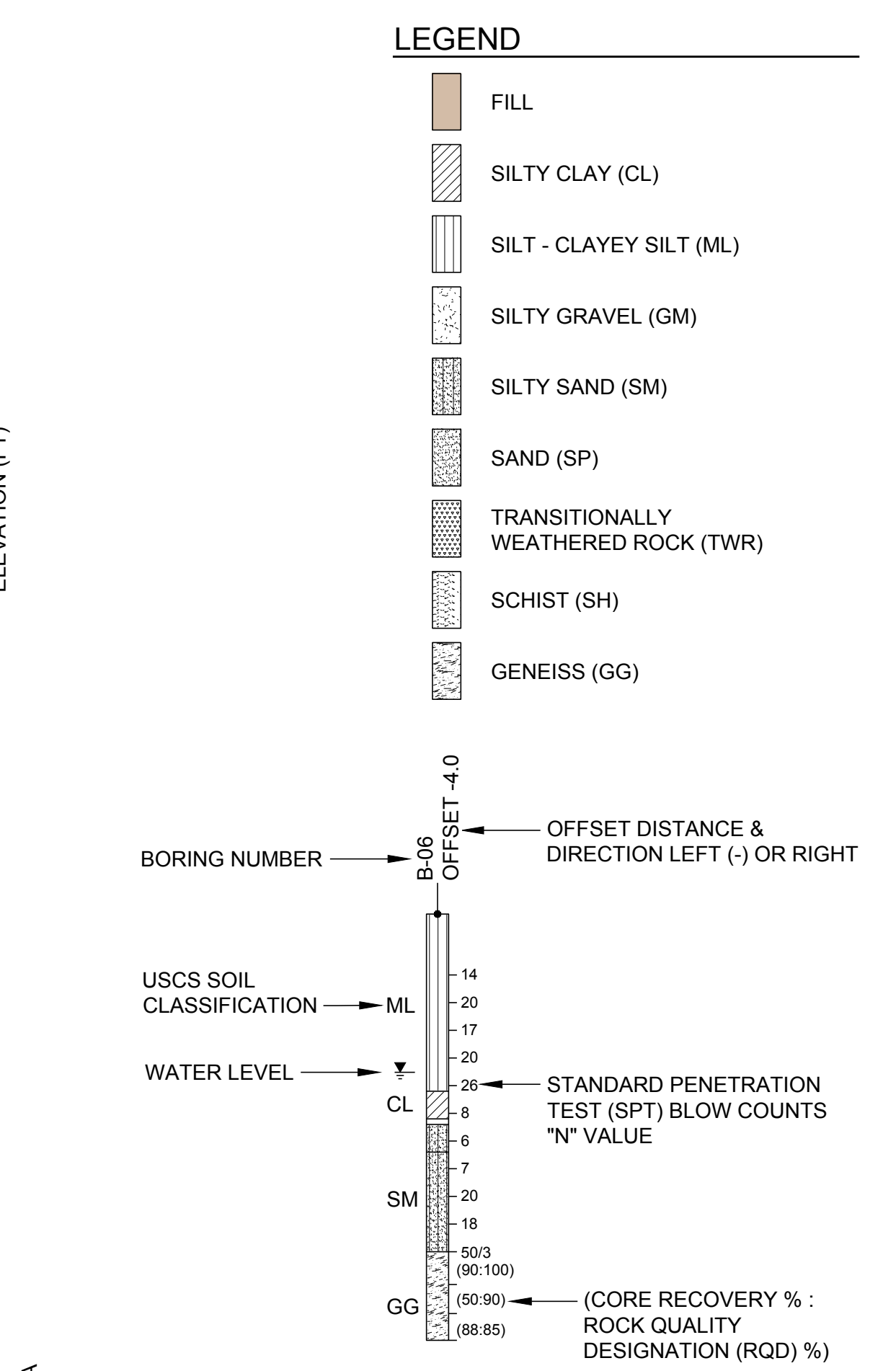
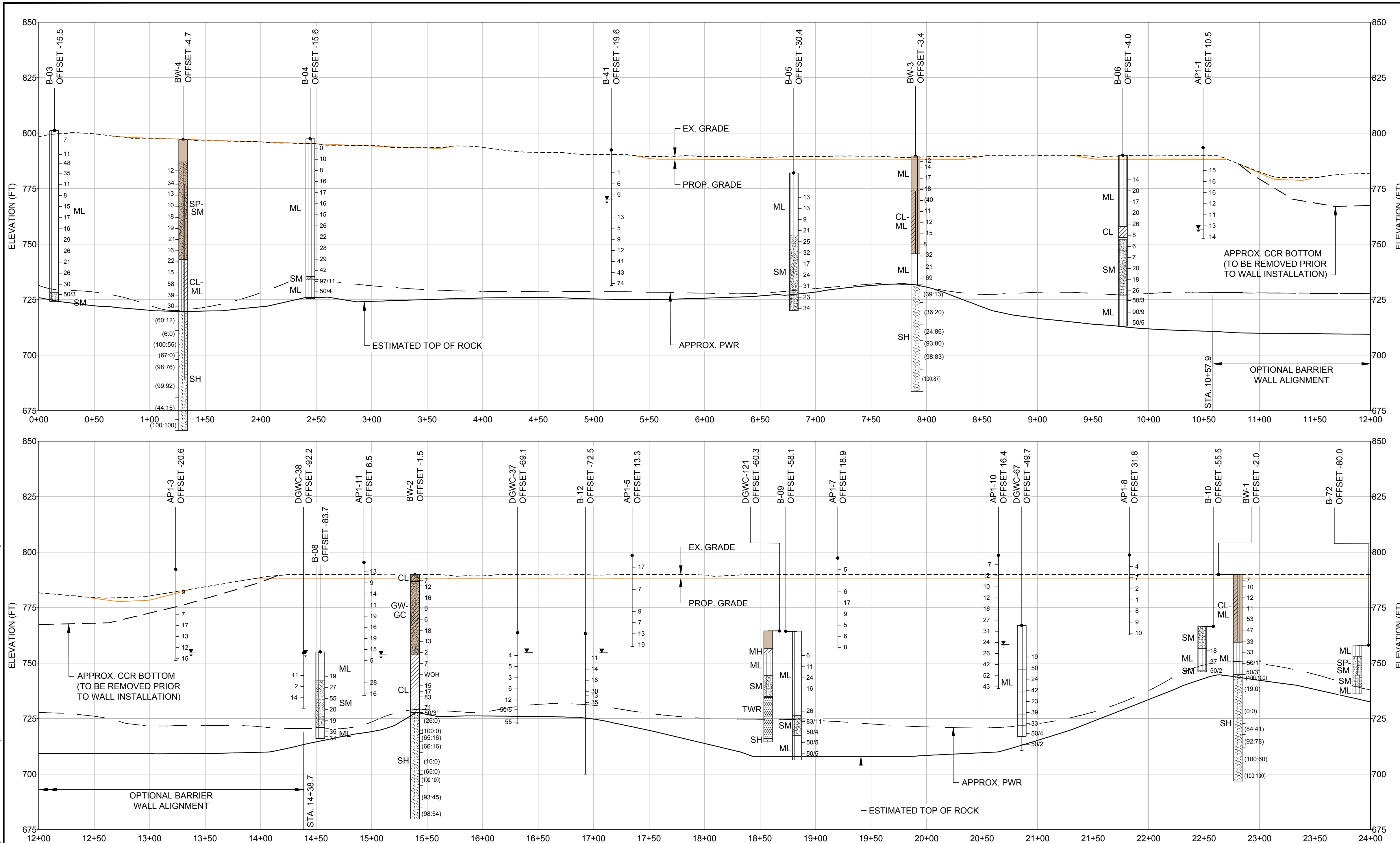


TITLE
STORMWATER MANAGEMENT DETAILS - SHEET 3



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| DESIGNED | | GLH | |
| PREPARED | | RMS | |
| CHECKED | | MP | |
| REVIEWED / APPROVED | | GLH | |
| PROJECT NO. | 1777449 | PROJECT ID | MCD15017 |
| | | REV. | 0 |
| | | SHEET | 15 |

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



- 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.

1 OPTION A BARRIER WALL - PROFILE
17A 9

06/2025
ISSUED FOR PERMITTING

CLIENT
SOUTHERN COMPANY SERVICES

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

TITLE
BARRIER WALL PROFILE - SHEET 1 OPTION A

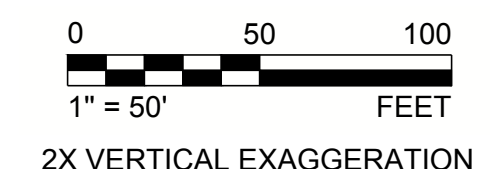
CONSULTANT
WSP

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

DATE: 2025-06-06
DESIGNED: GLH
PREPARED: RMS
CHECKED: MP
REVIEWED / APPROVED: GLH

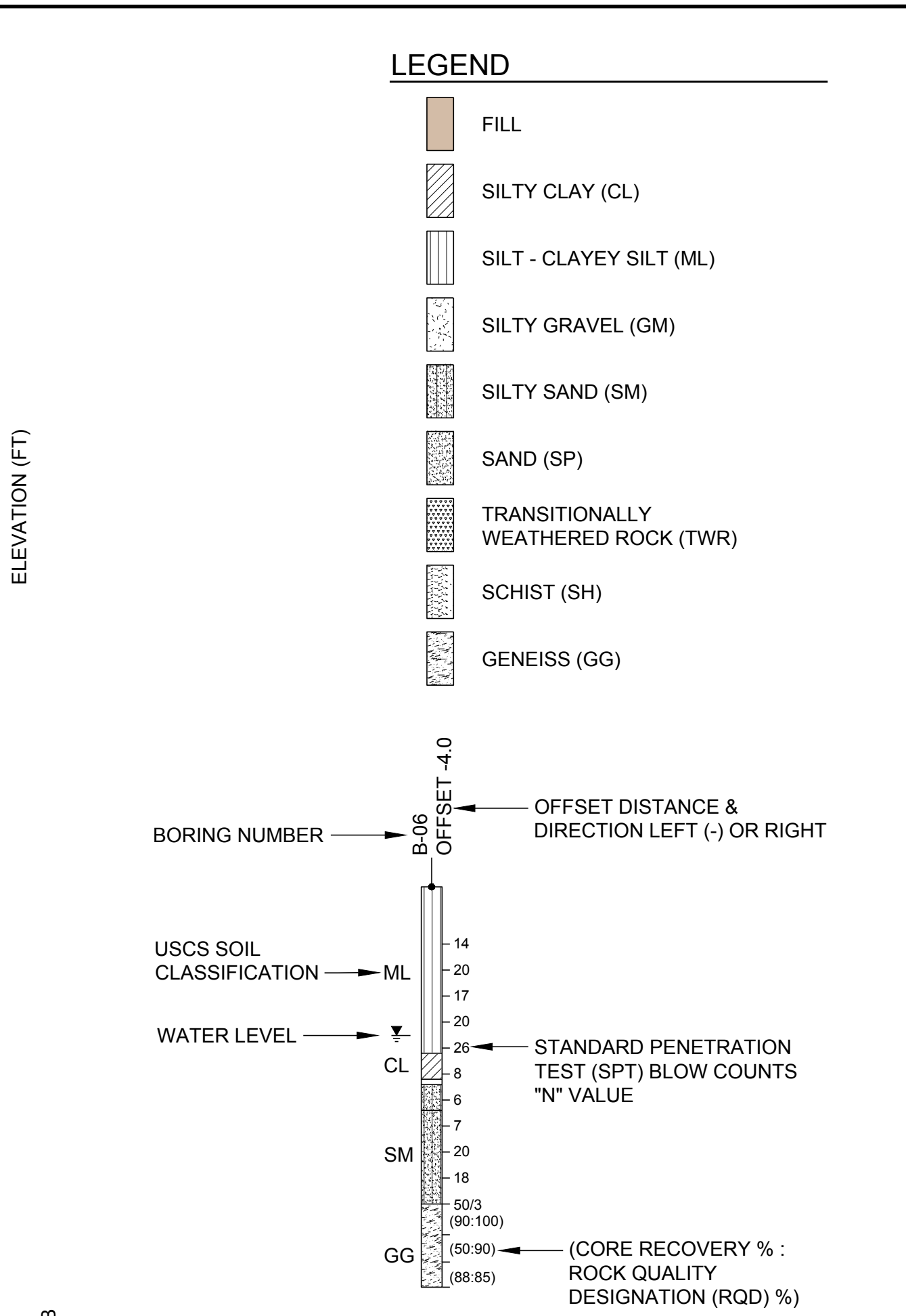
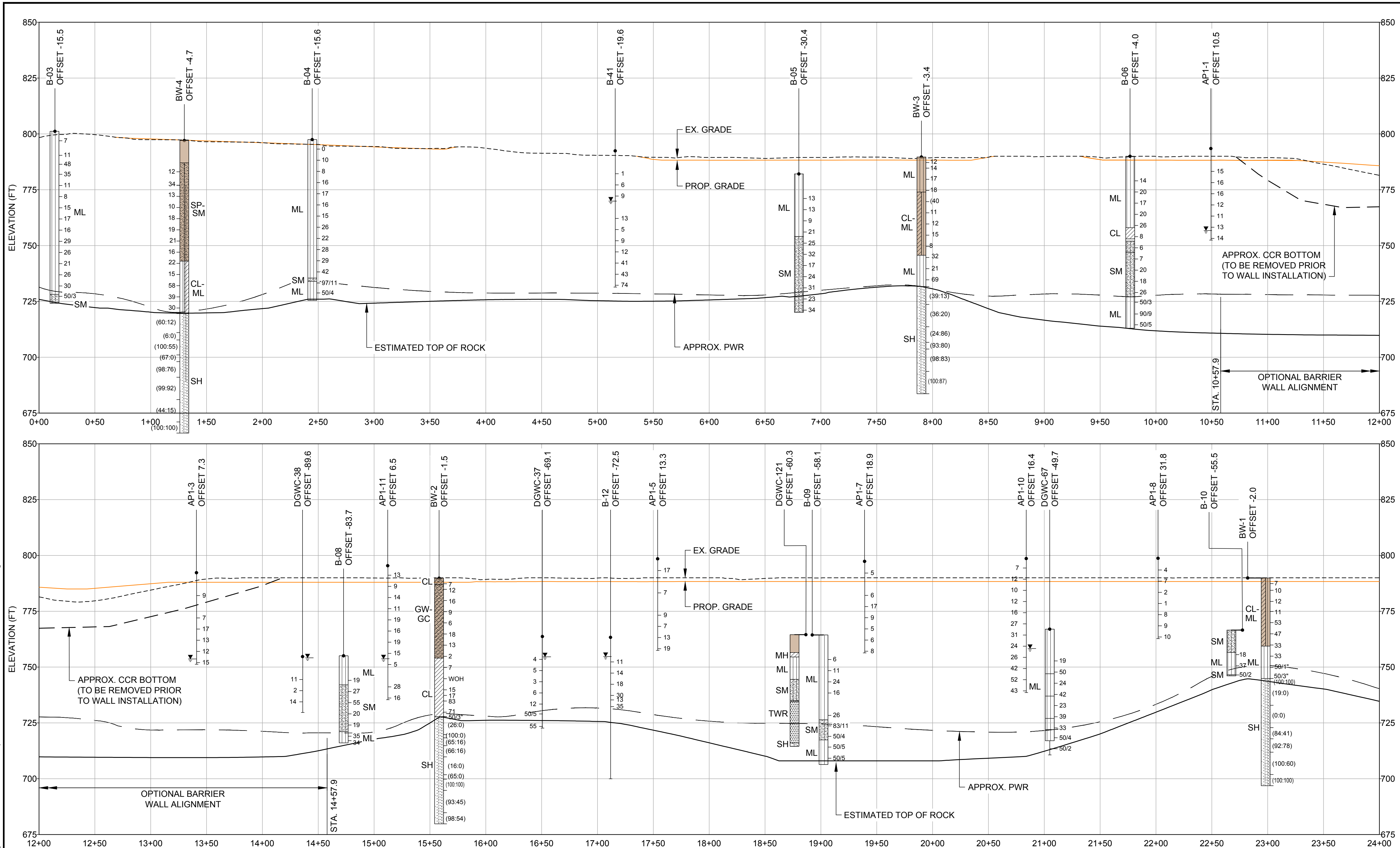


GREGORY L. HEBEL
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749



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



NOTE

1. THE PWR SURFACE IS INTERPOLATED FROM AVAILABLE BORINGS.
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1 OPTION B BARRIER WALL - PROFILE
17B | 9

06/2025
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CLIENT
SOUTHERN COMPANY SERVICES

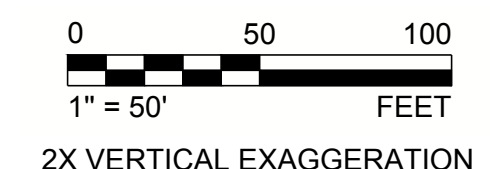
PROJECT
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS

TITLE
BARRIER WALL PROFILE - SHEET 1 OPTION B

CONSULTANT
WSP

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

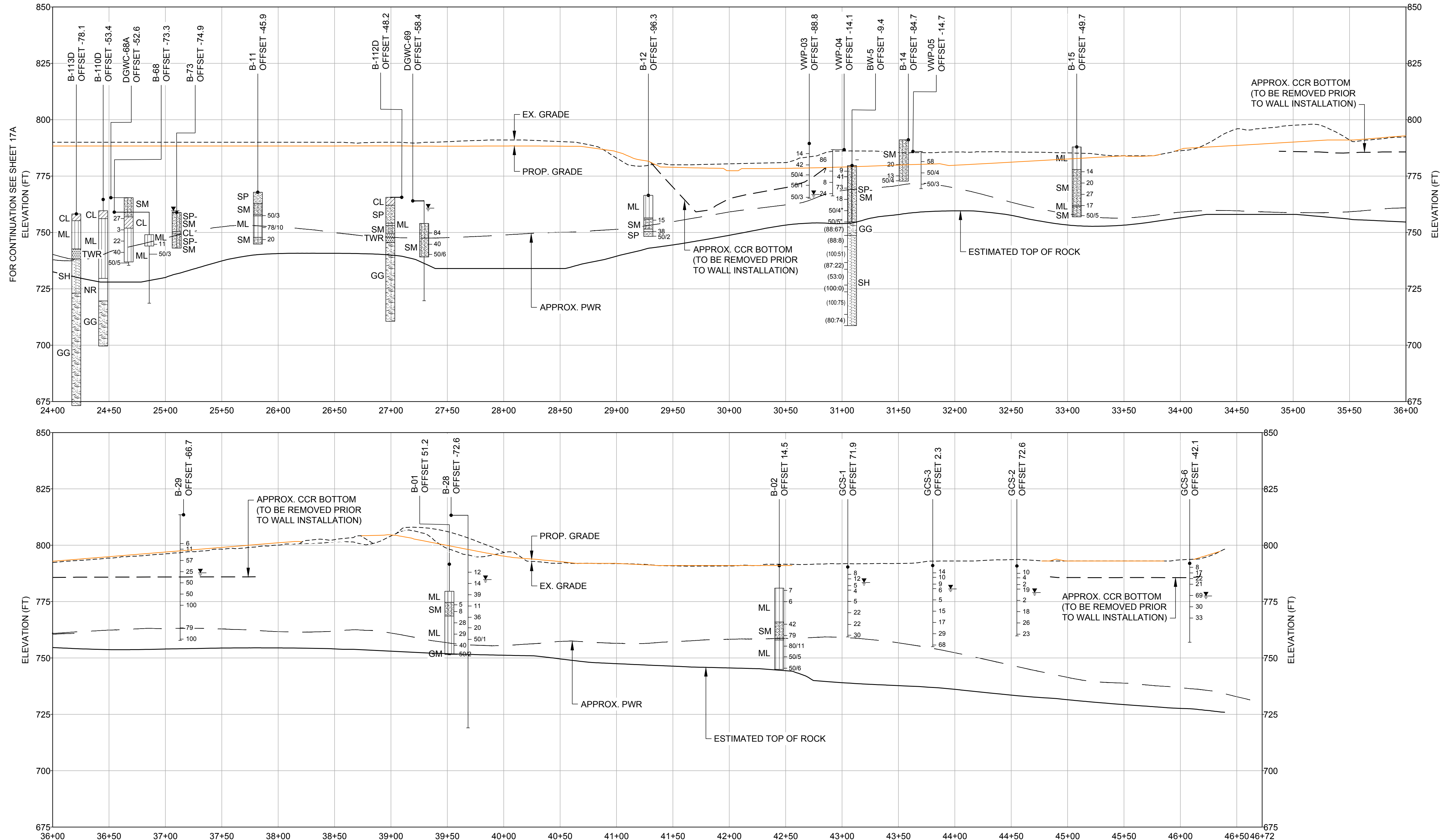
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CHECKED: MP
REVIEWED / APPROVED: GLH



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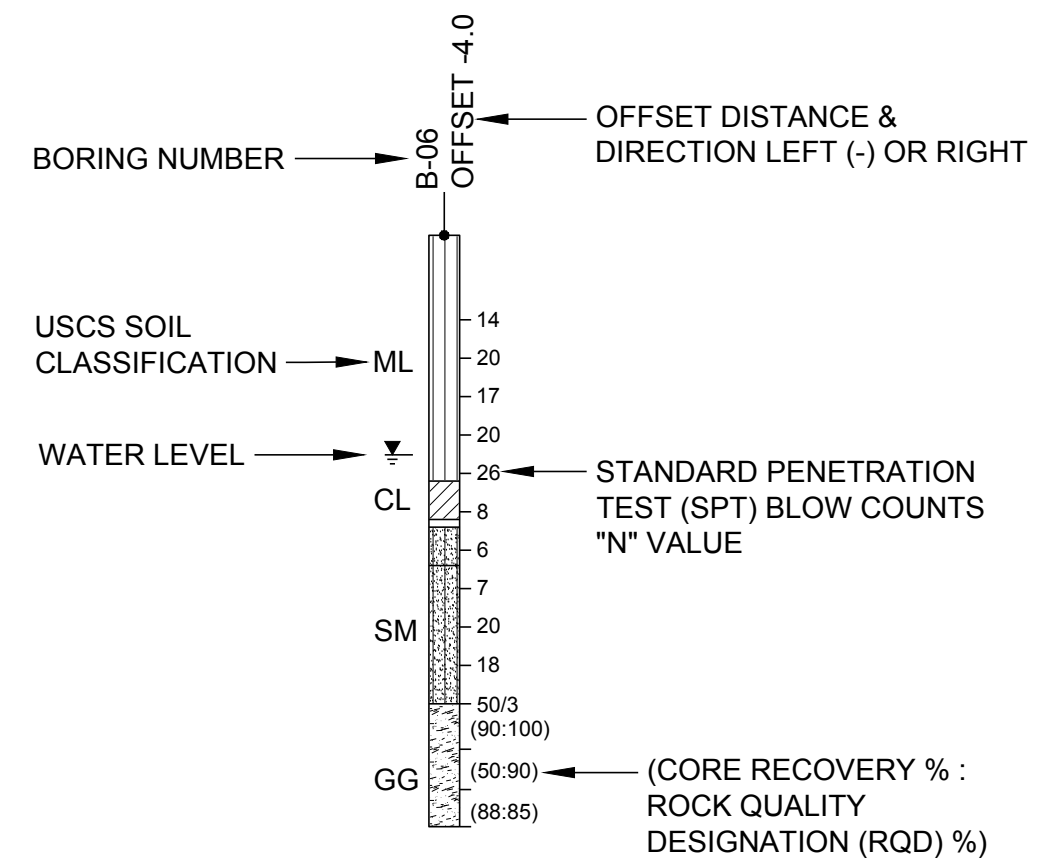
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LEGEND

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



- NOTE**
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1 OPTION B BARRIER WALL - PROFILE
18A

06/2025
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SOUTHERN COMPANY SERVICES

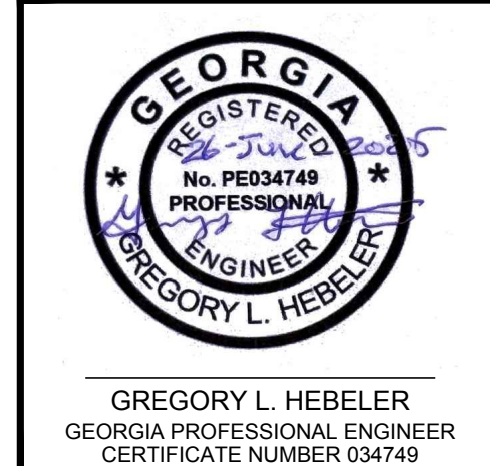
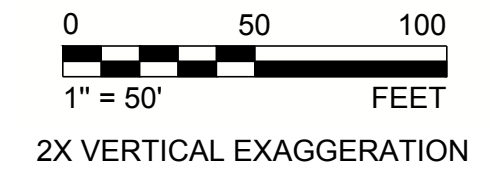
PROJECT
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS

TITLE
BARRIER WALL PROFILE - SHEET 2 OPTION A

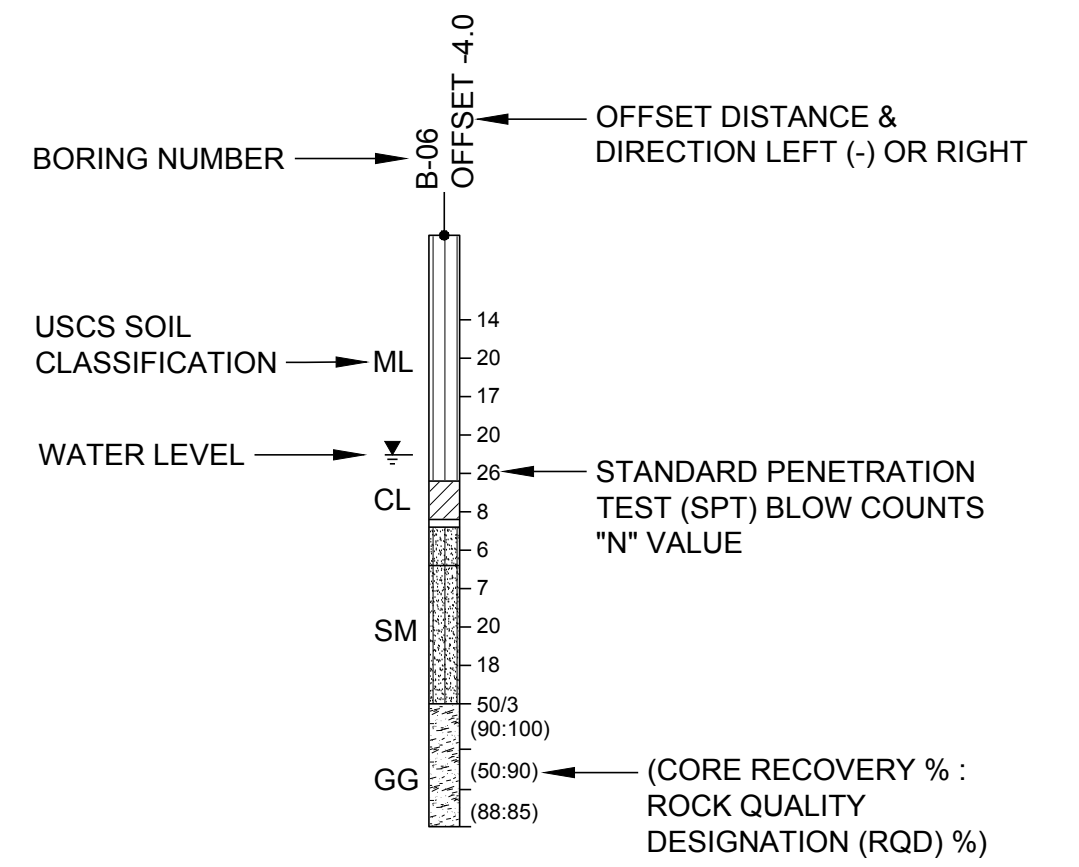
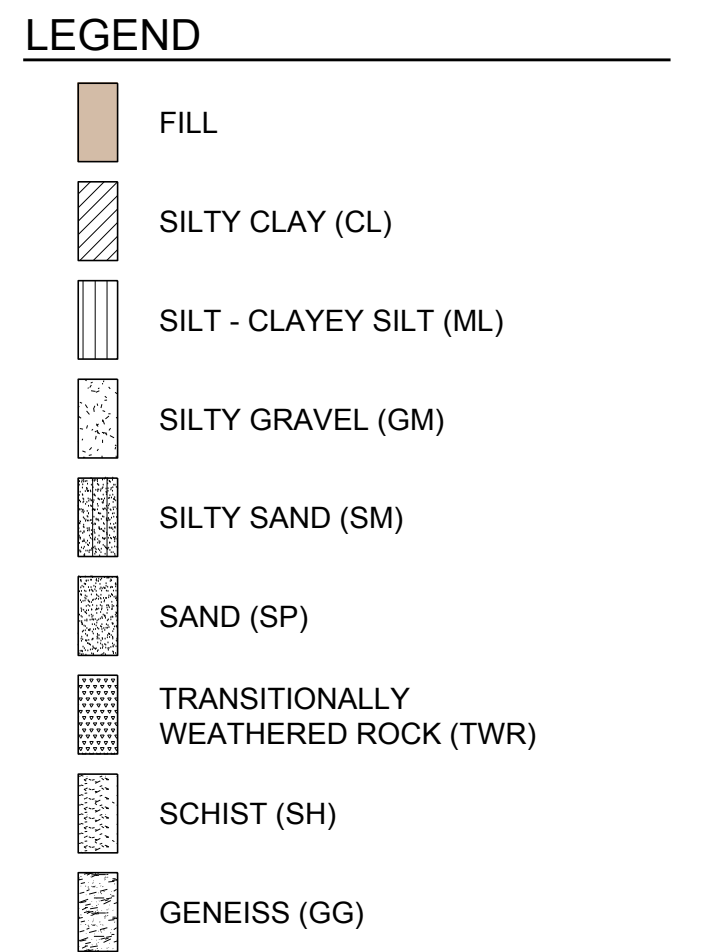
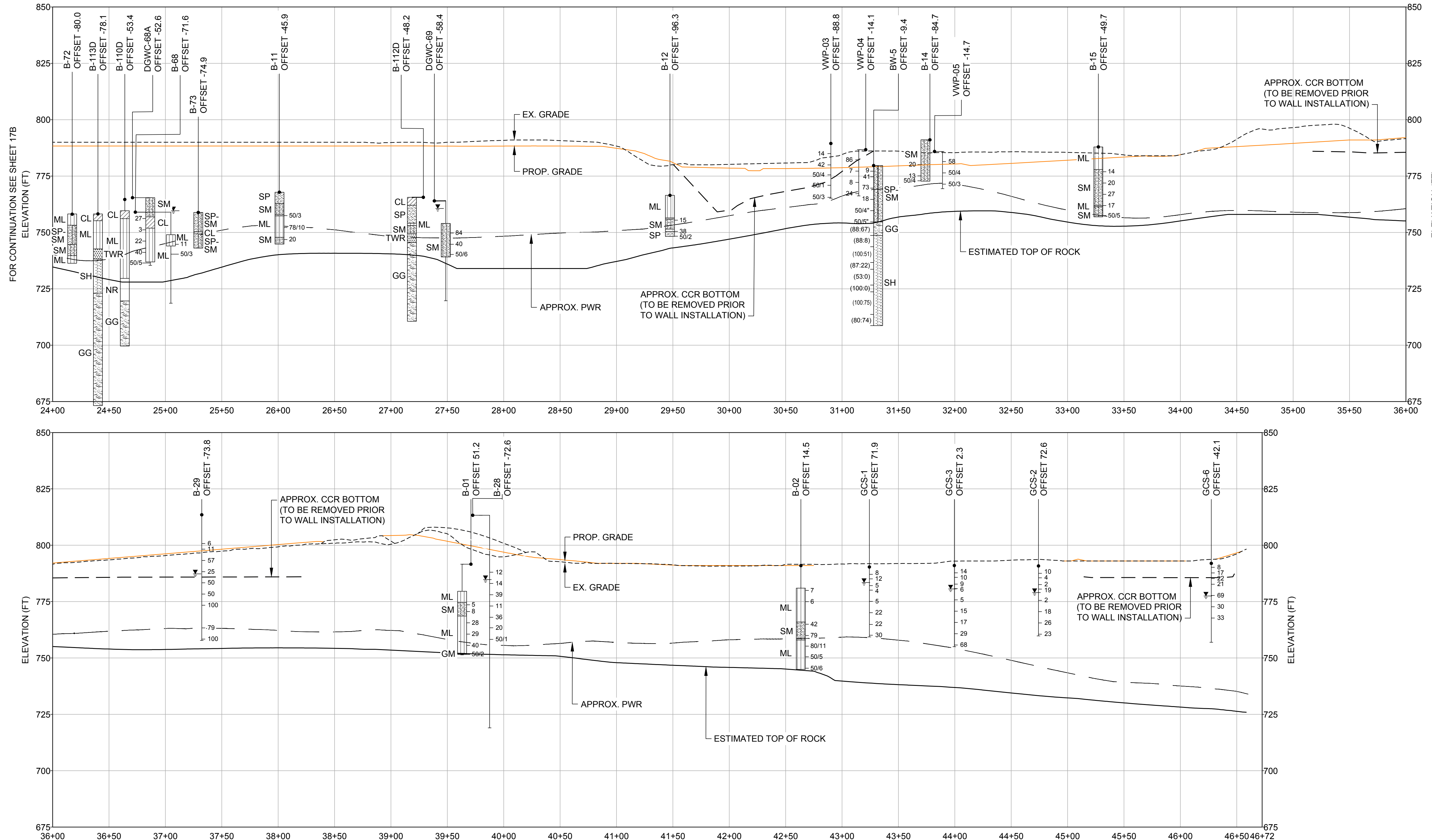
CONSULTANT
WSP

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

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



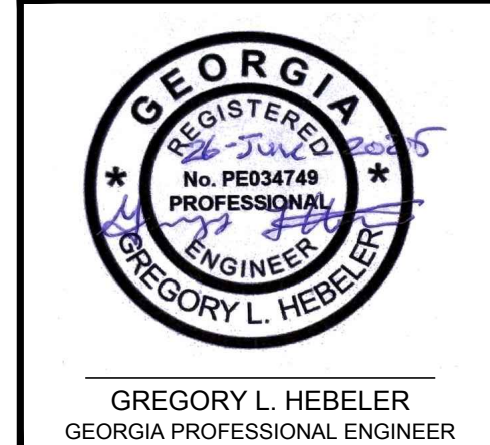
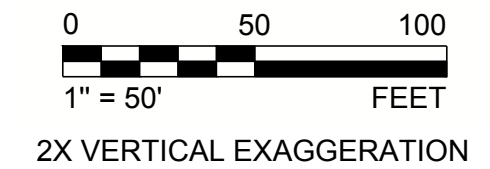
1 in IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANS/D



- 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.
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1
OPTION B BARRIER WALL - PROFILE

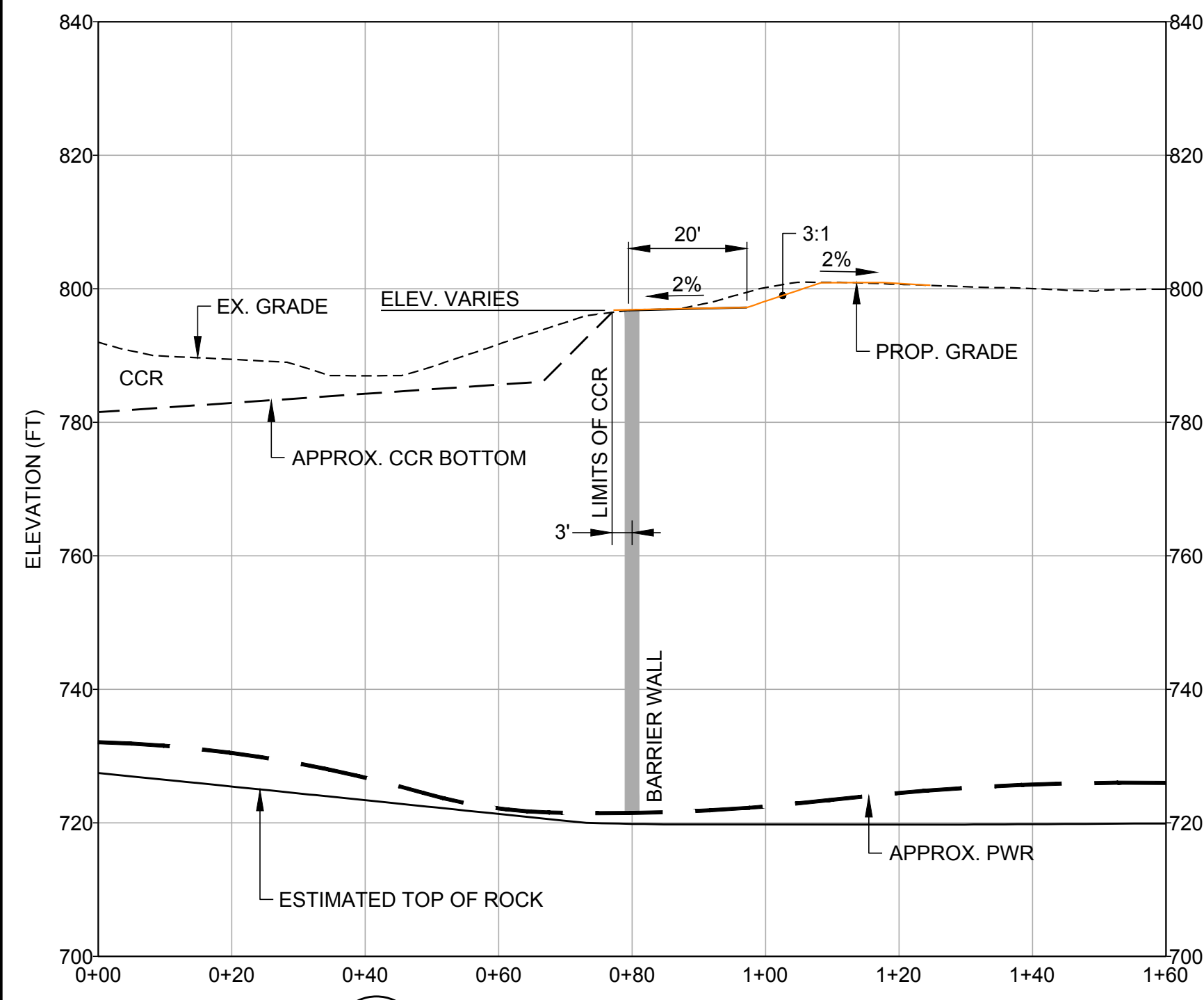


| | | |
|--|-------------------------------|---------------------|
| CLIENT SOUTHERN COMPANY SERVICES | | |
| PROJECT PLANT MCDONOUGH - ATKINSON CCR UNIT AP-1 CLOSURE PLAN DRAWINGS | | |
| TITLE BARRIER WALL PROFILE - SHEET 2 OPTION B | | |
| CONSULTANT | YYYY-MM-DD | 2025-06-06 |
| | DESIGNED | GLH |
| | PREPARED | RMS |
| | CHECKED | MP |
| | REVIEWED / APPROVED | GLH |
| PROJECT NO. 1777449 | PROJECT ID MCD15017 | REV. 0 |
| | | SHEET 18B |

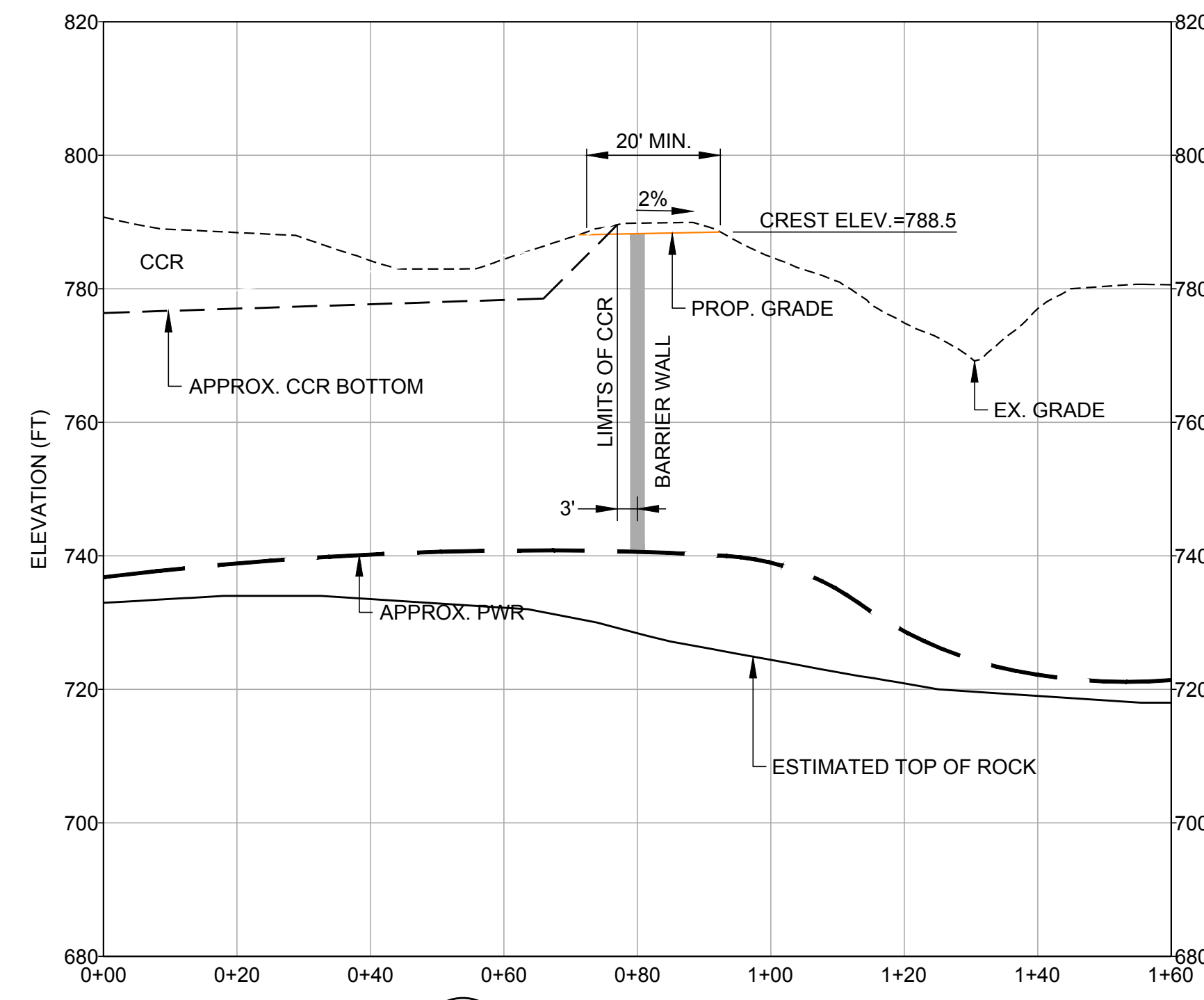
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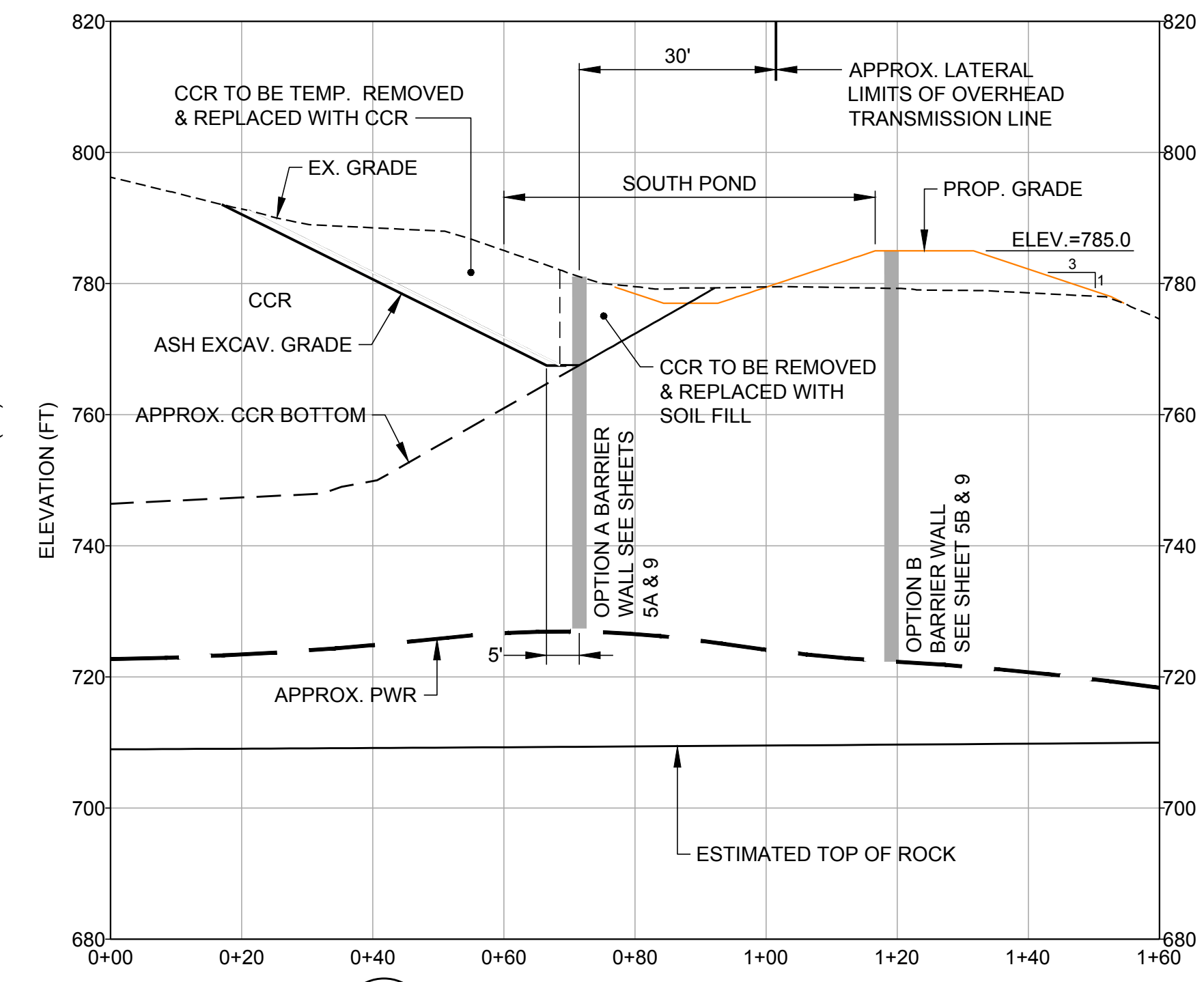
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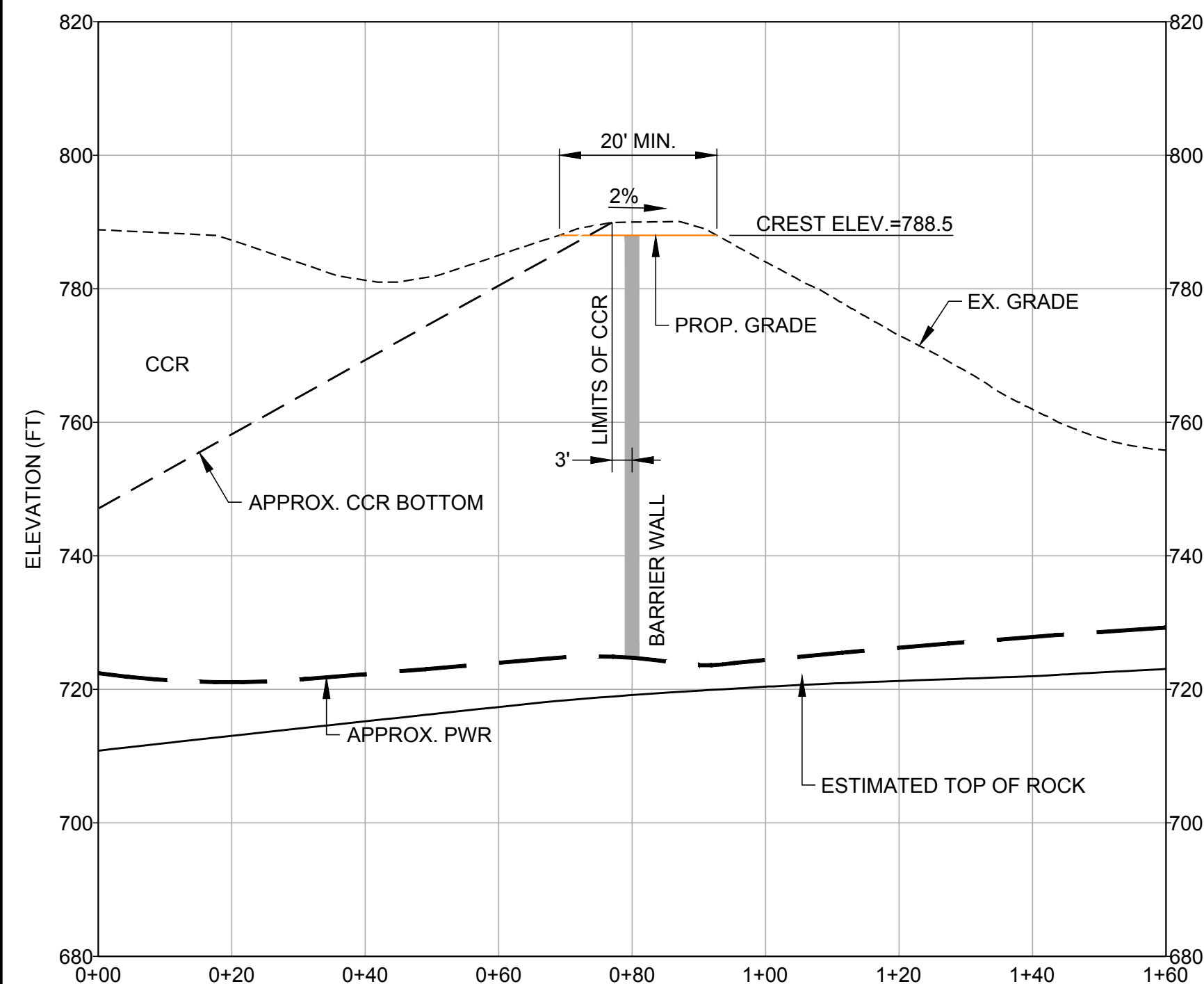
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19/9 BARRIER WALL - SECTION B1-B1



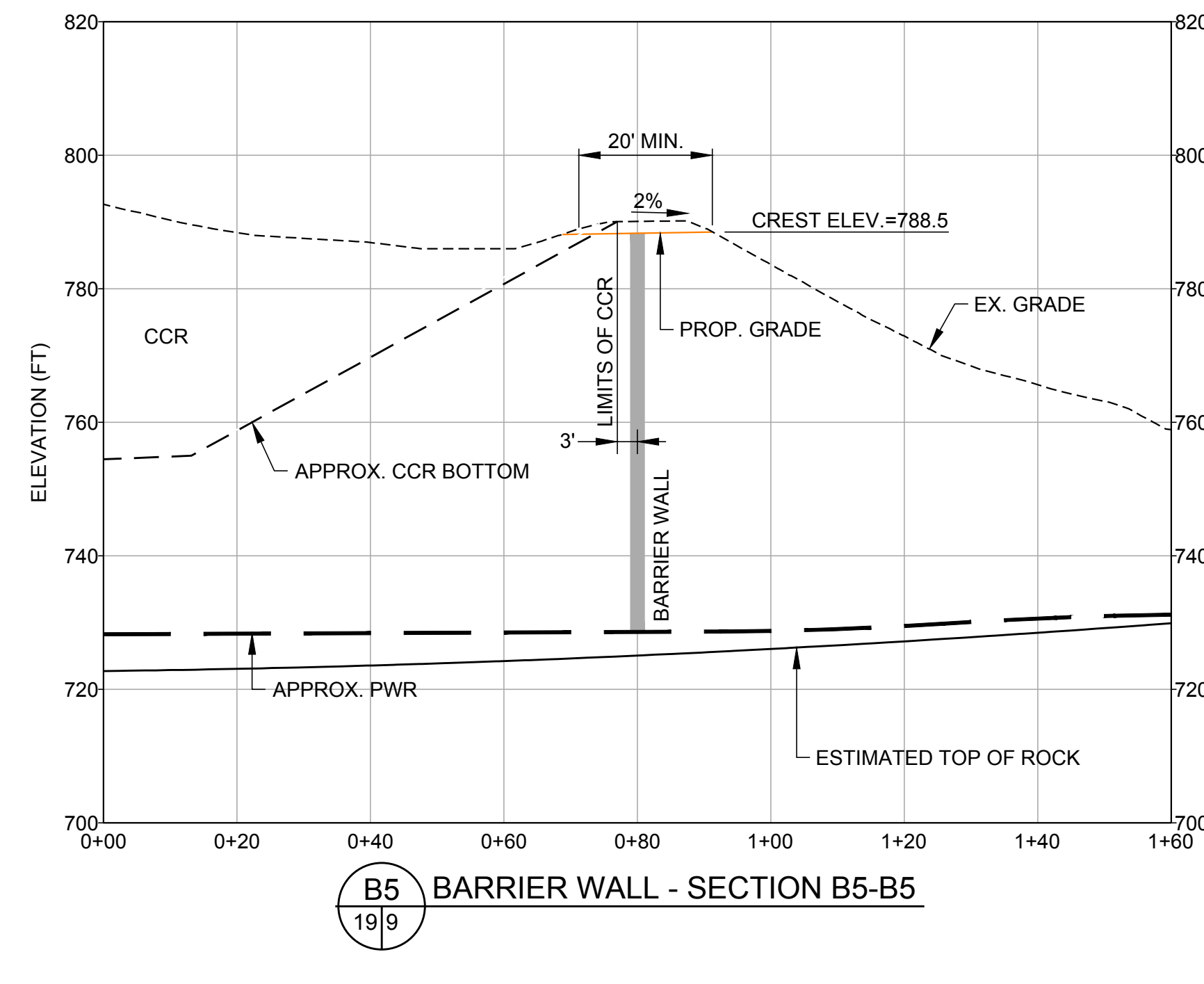
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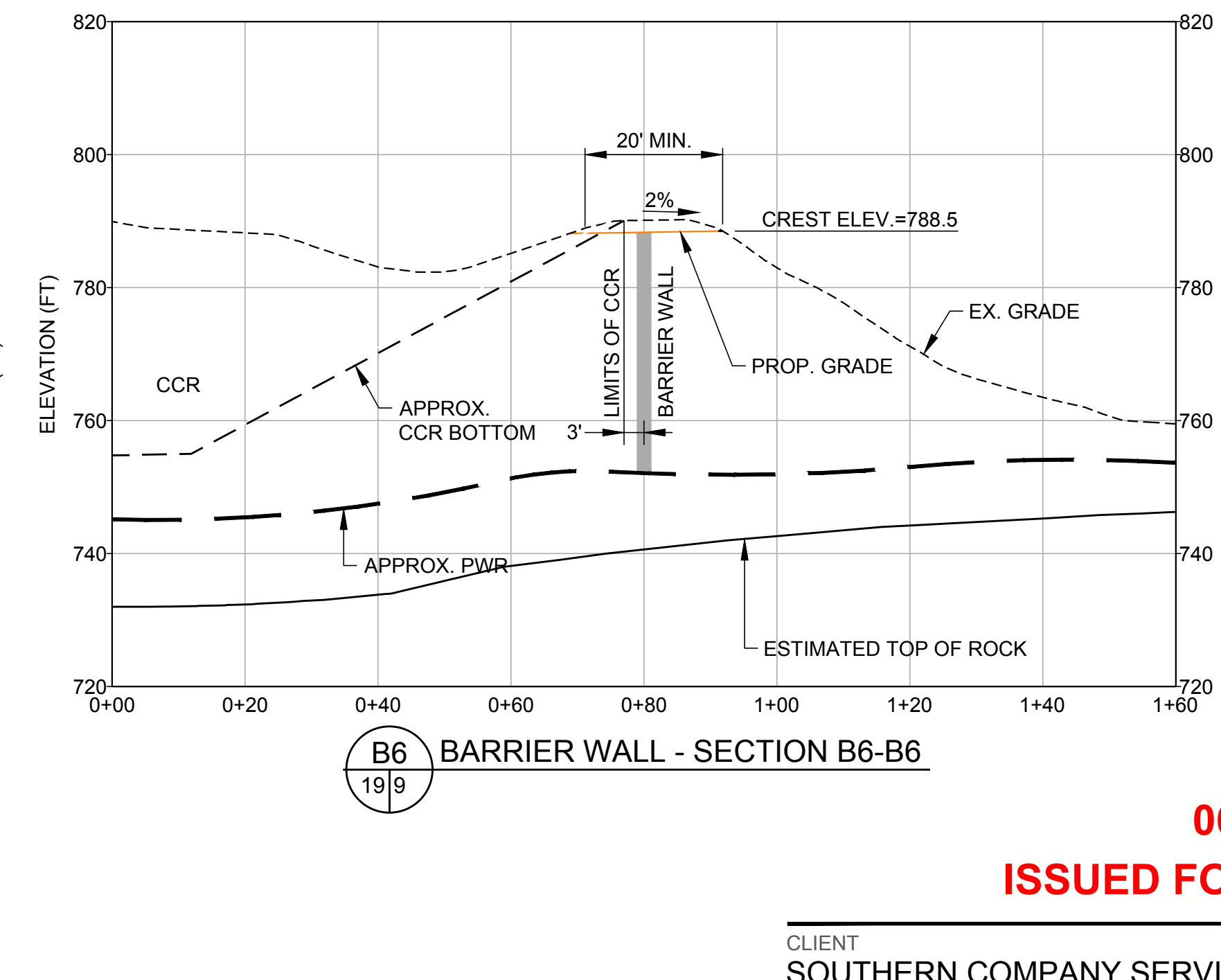
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19/9 BARRIER WALL - SECTION B3-B3



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

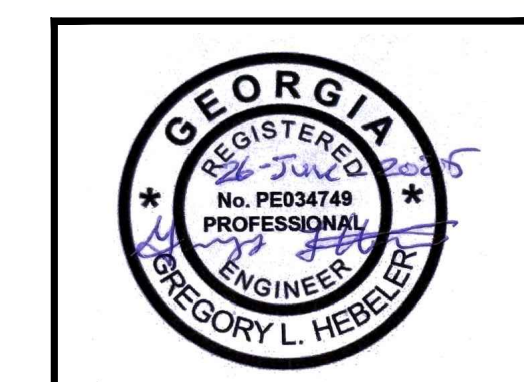
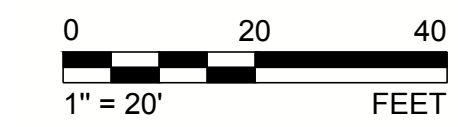
CLIENT
SOUTHERN COMPANY SERVICES



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



TITLE
BARRIER WALL SECTIONS - SHEET 1



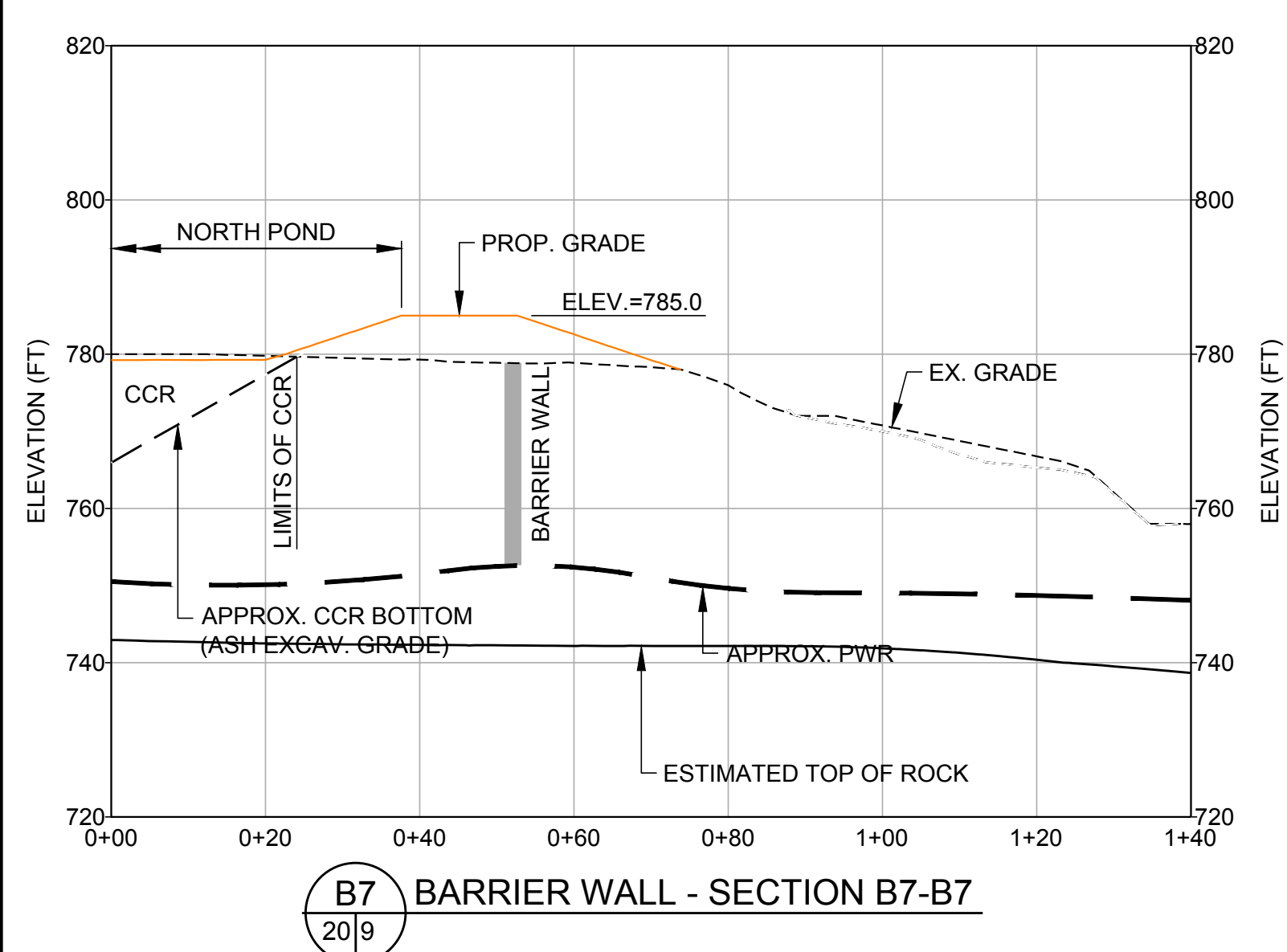
GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

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| CONSULTANT | YYYY-MM-DD | 2025-06-06 |
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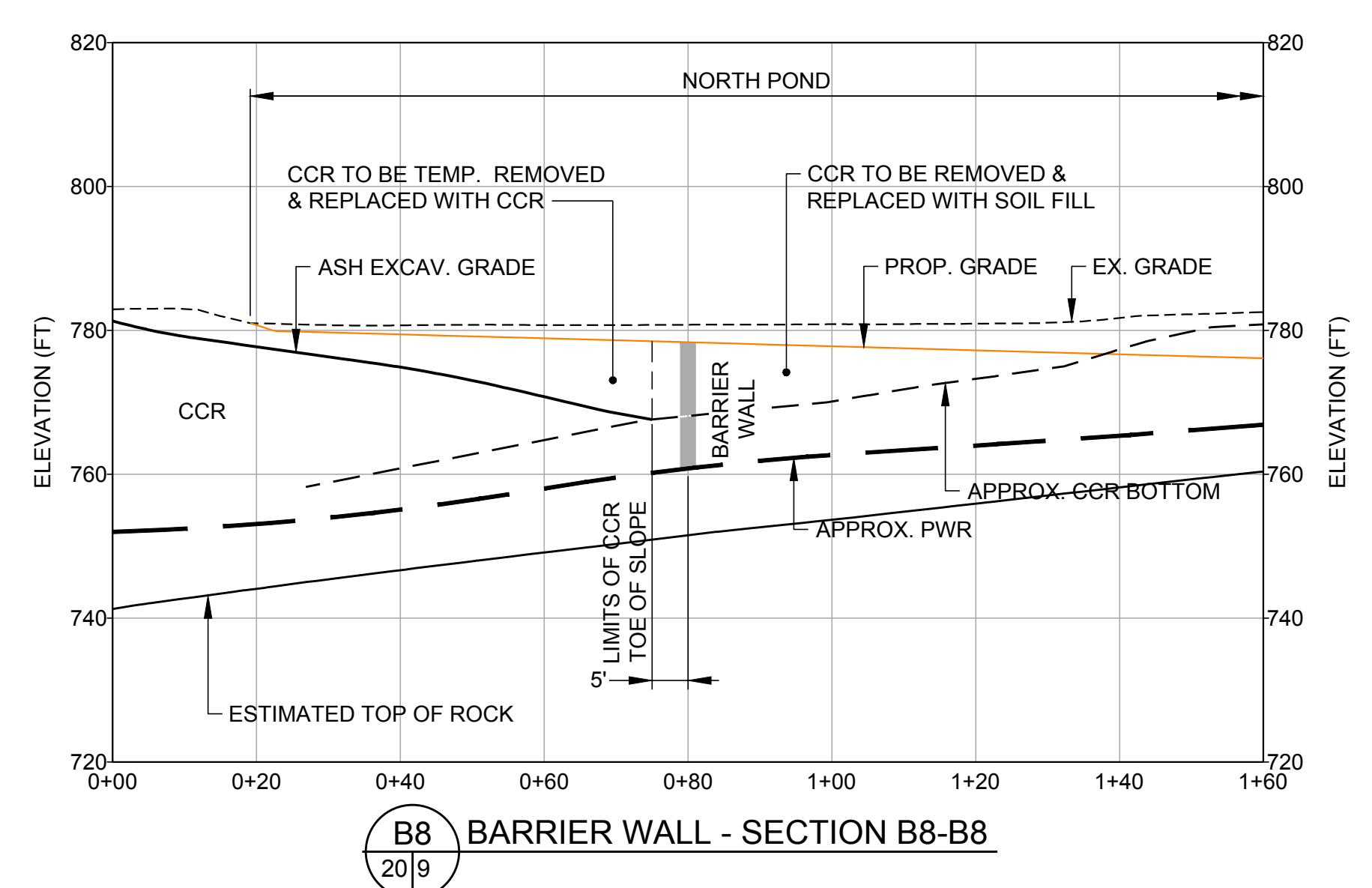
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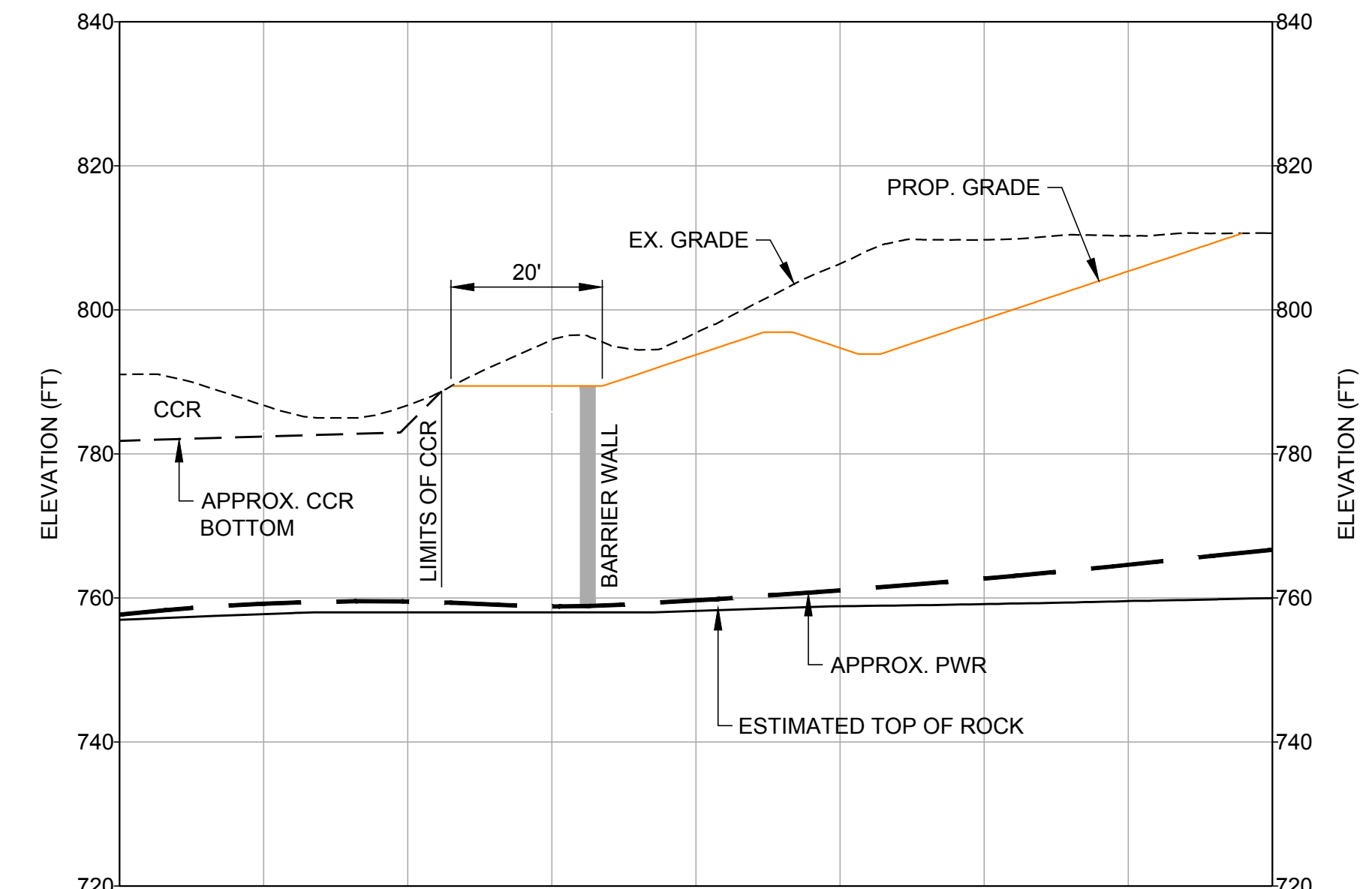
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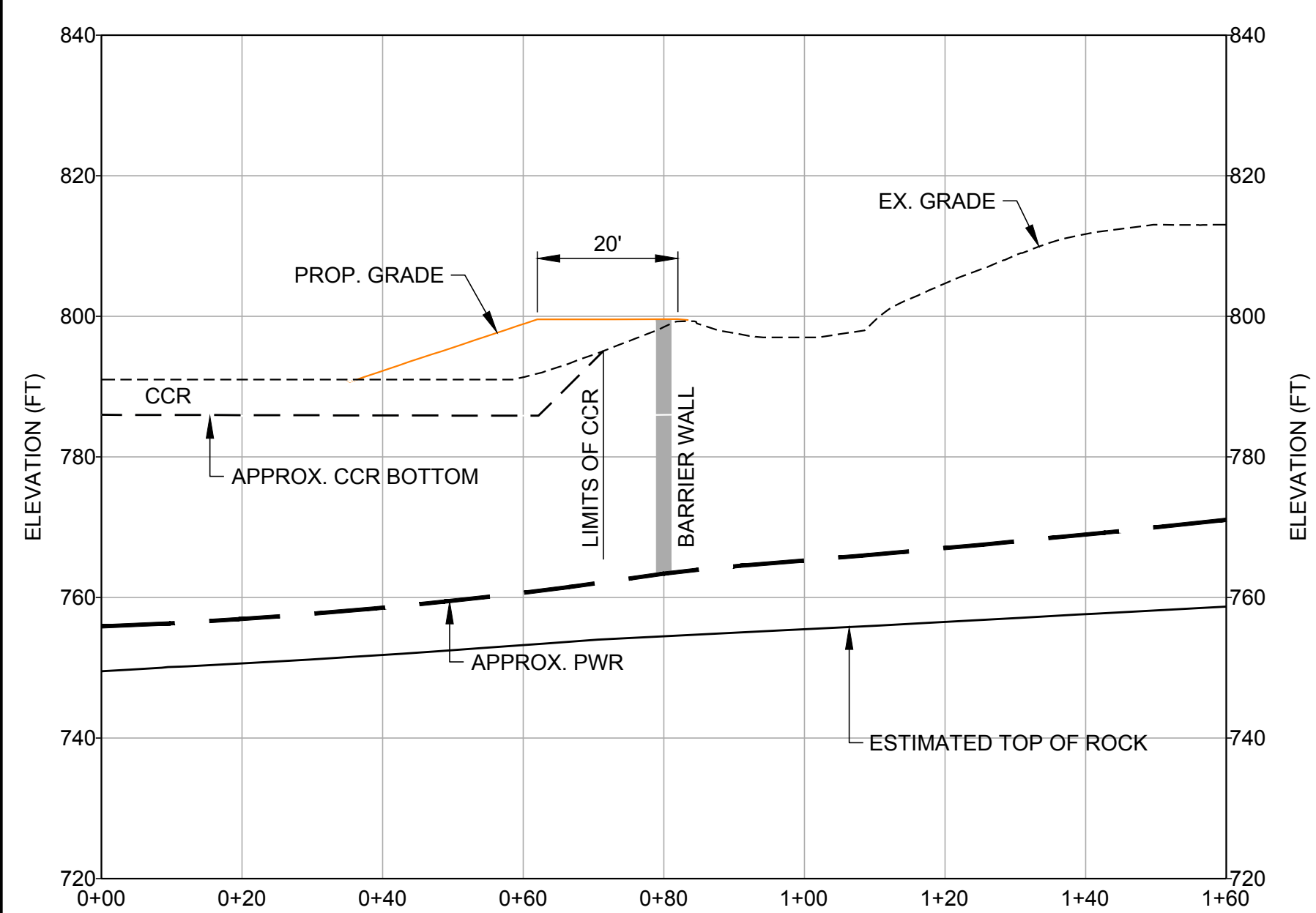
B7
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BARRIER WALL - SECTION B7-B7



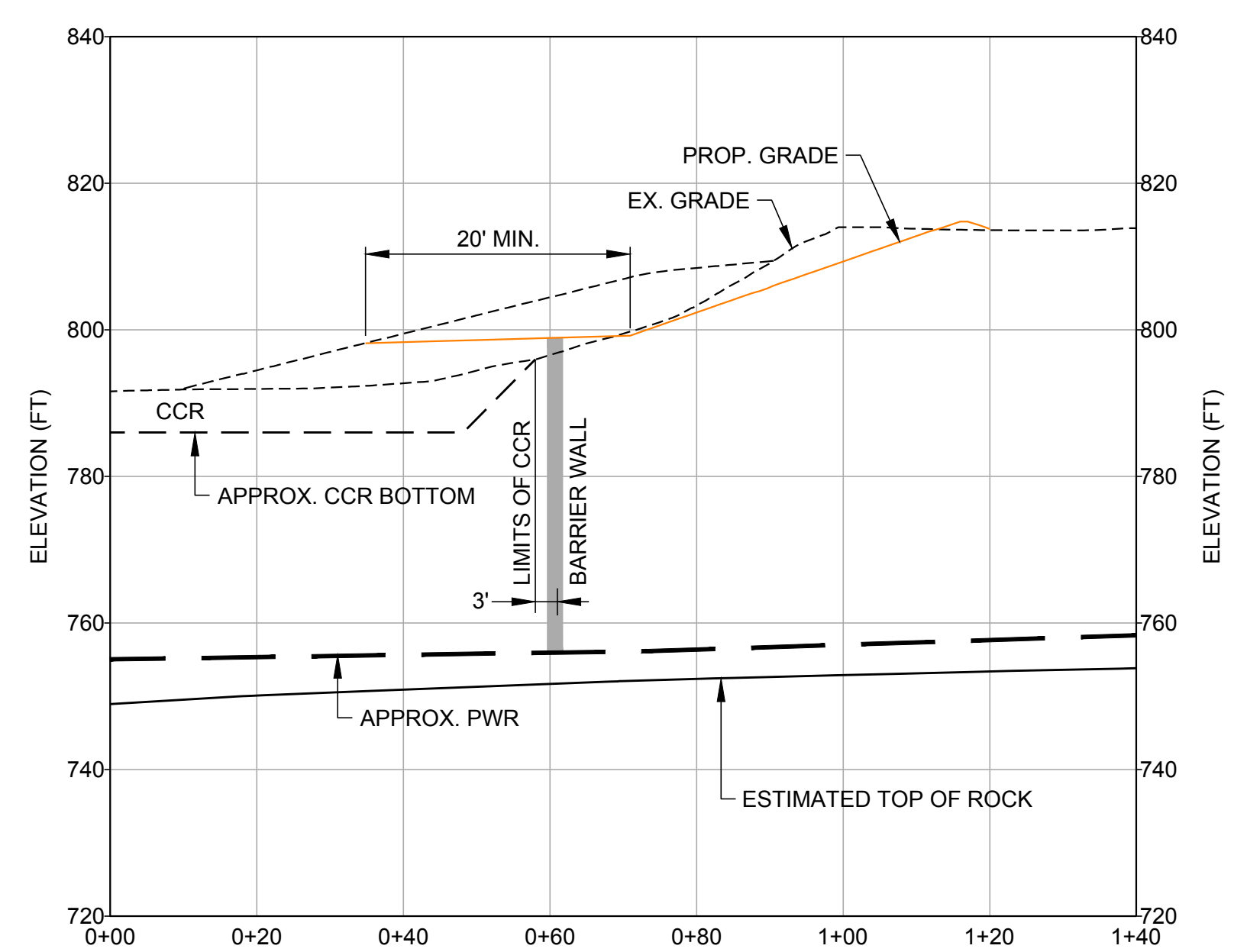
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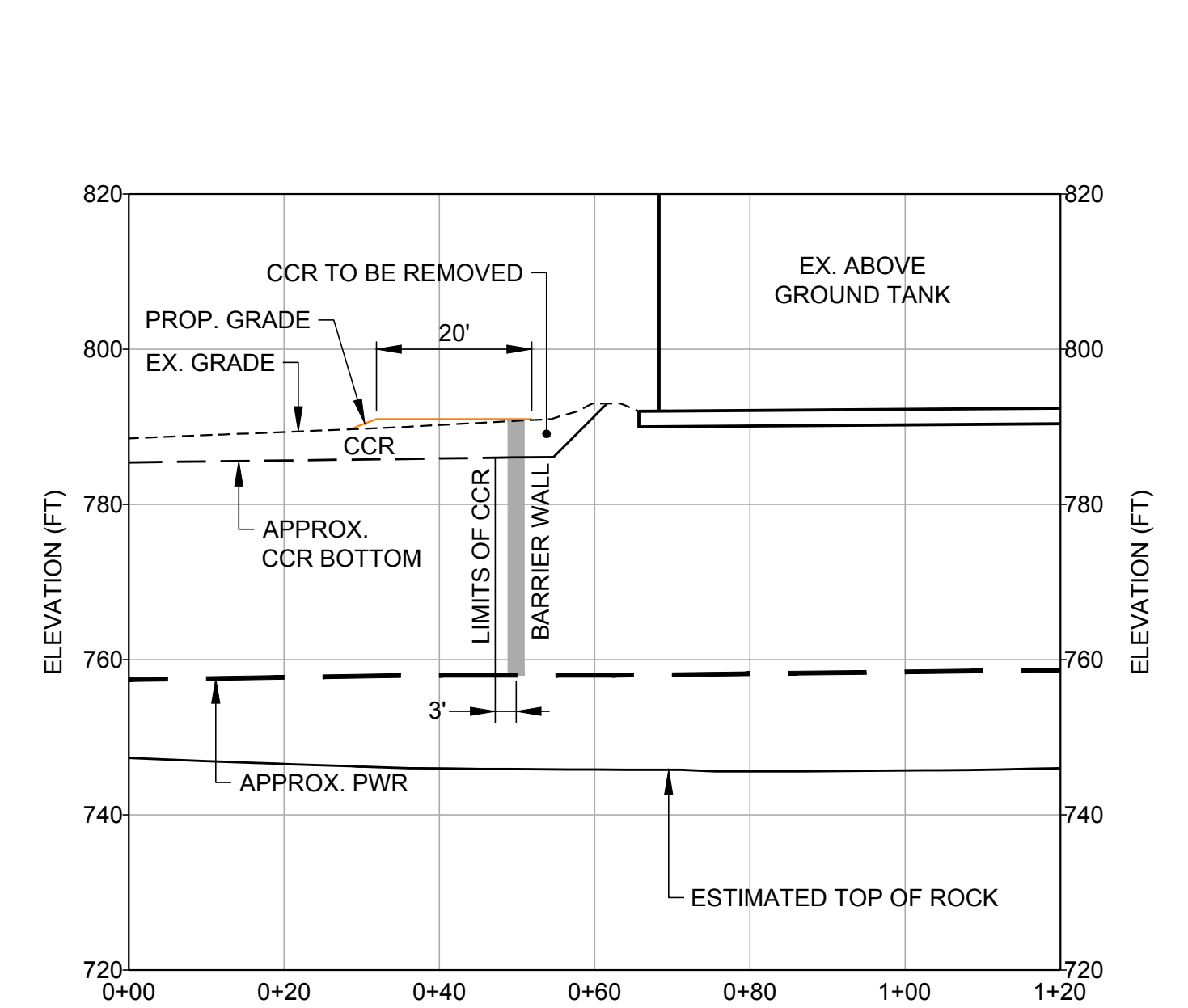
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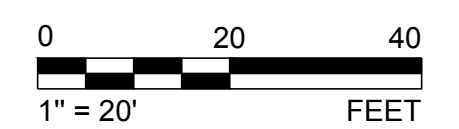
B10
20|9
BARRIER WALL - SECTION B10-B10



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

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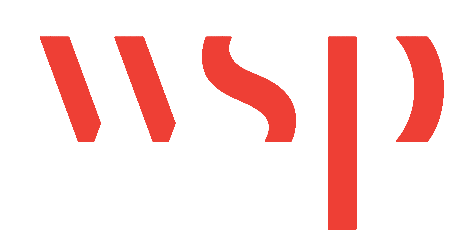


PROJECT
PLANT MCDONOUGH - ATKINSON
CCR UNIT AP-1
CLOSURE PLAN DRAWINGS



TITLE
BARRIER WALL SECTIONS - SHEET 2

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

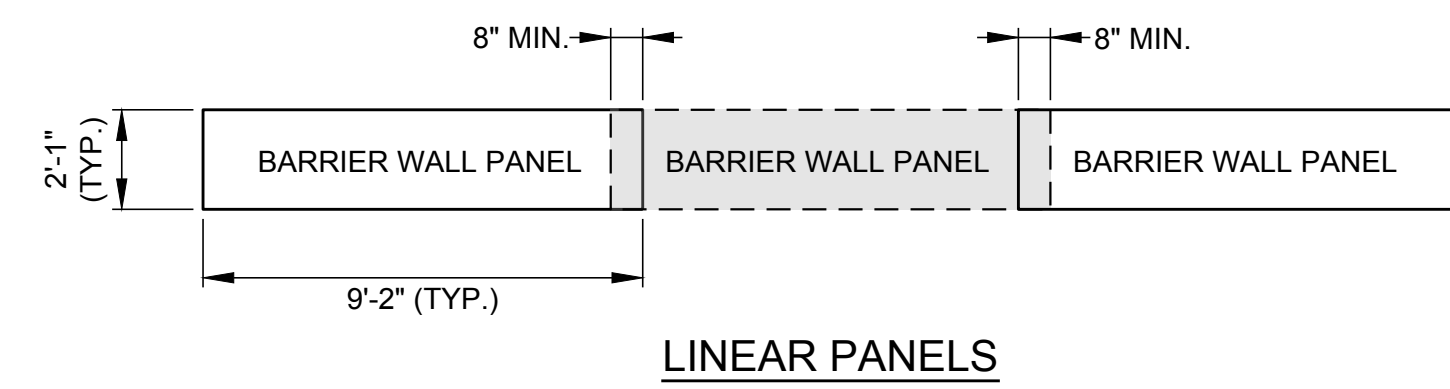


GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

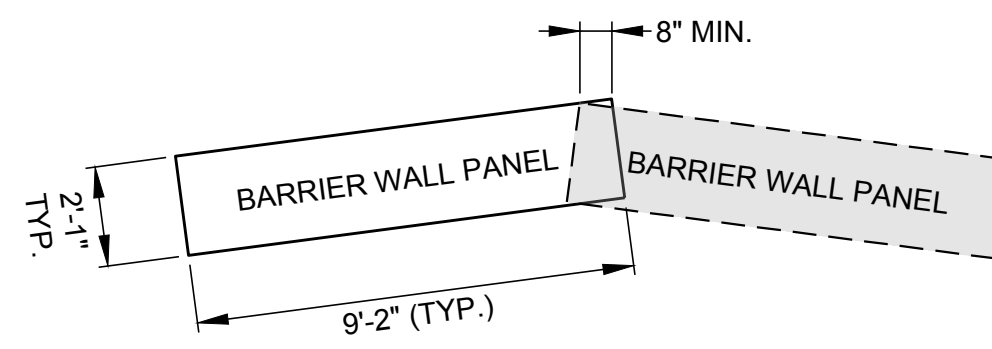
PROJECT NO. 1777449 PROJECT ID MCD15017 REV. 0 SHEET 20

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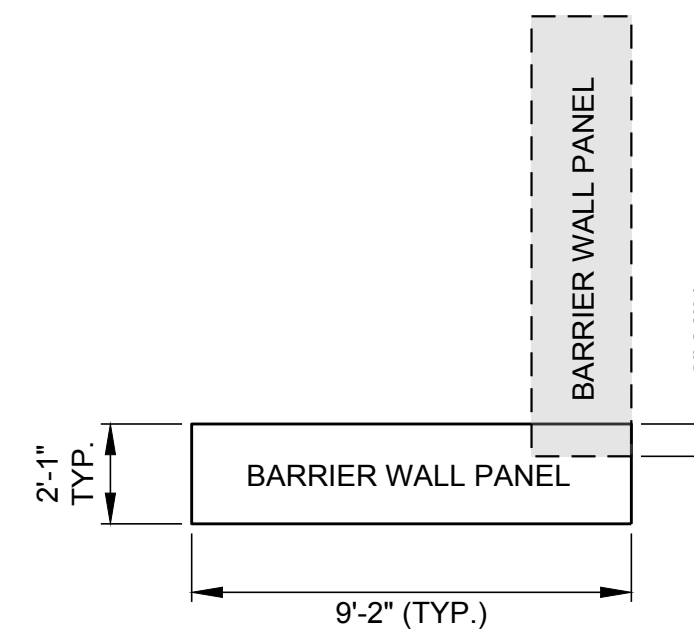
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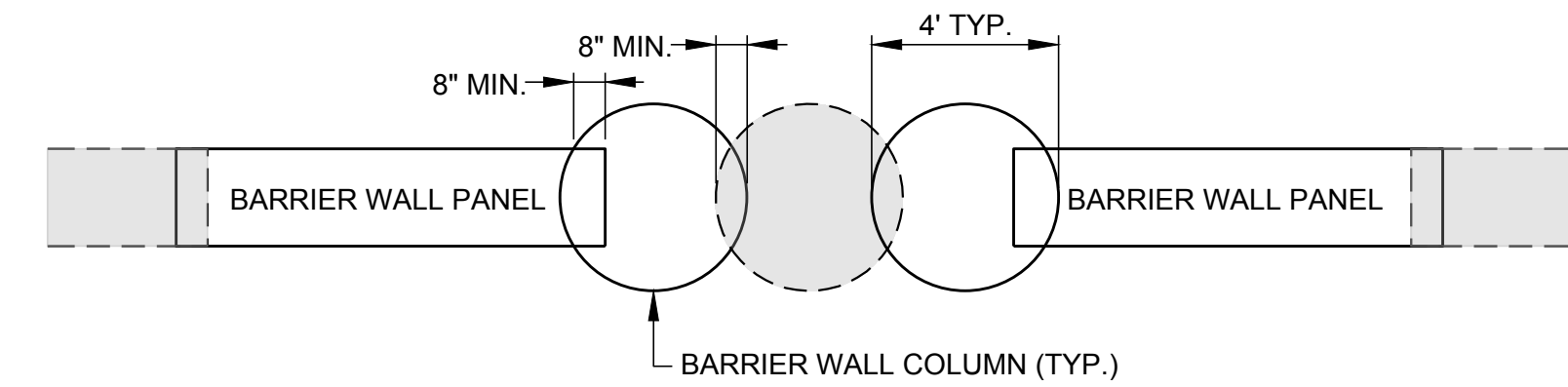
LINEAR PANELS



OBLIQUE / RADIAL PANELS

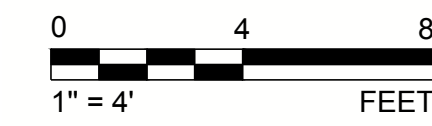
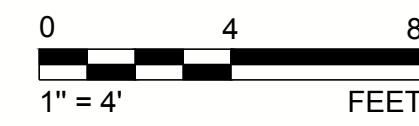


PERPENDICULAR PANELS



BARRIER WALL COLUMN LAPPING DETAIL

1 BARRIER WALL PANEL LAPPING DETAIL



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



TITLE
BARRIER WALL DETAILS

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

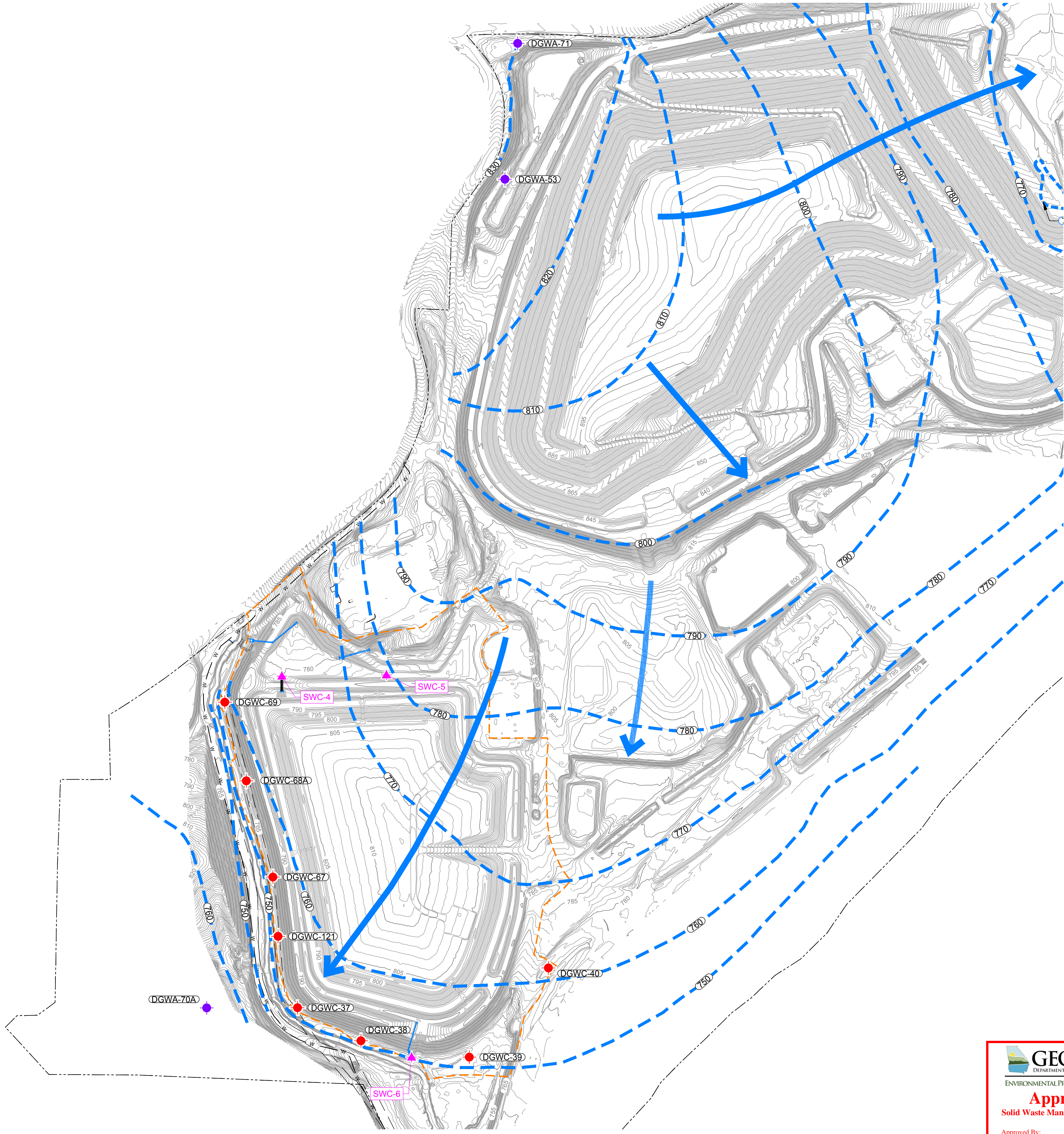


GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

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

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Path: \\corp-plbwan-hell\US-Central\Drawn\US-IL-200-Credit\Southern Company\1777449 Plant McDonough Permitting\AP-1-NEPERMIT\PRODUCTION\1 File Name: 1777449 22 WELL MONITOR NETWORK.dwg



- 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**
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.

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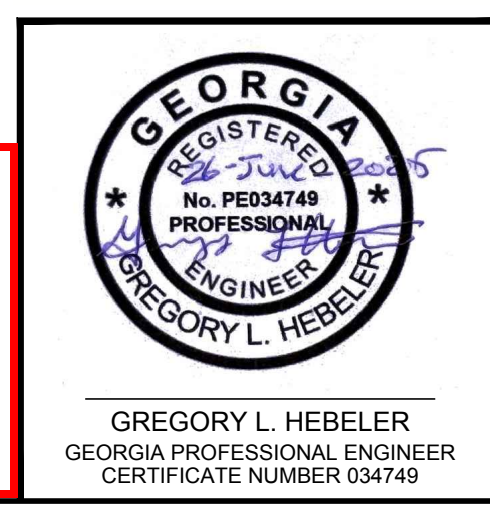
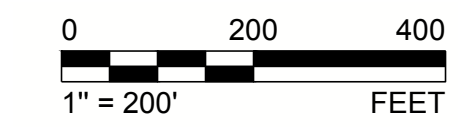
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SOUTHERN COMPANY SERVICES

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

TITLE
COMPLIANCE WELL MONITORING NETWORK

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

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| PROJECT NO. 1777449 | PROJECT ID MCD15017 | REV. 0 | SHEET 22 |
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IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANS/D 11 in