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

GEORGIA POWER COMPANY

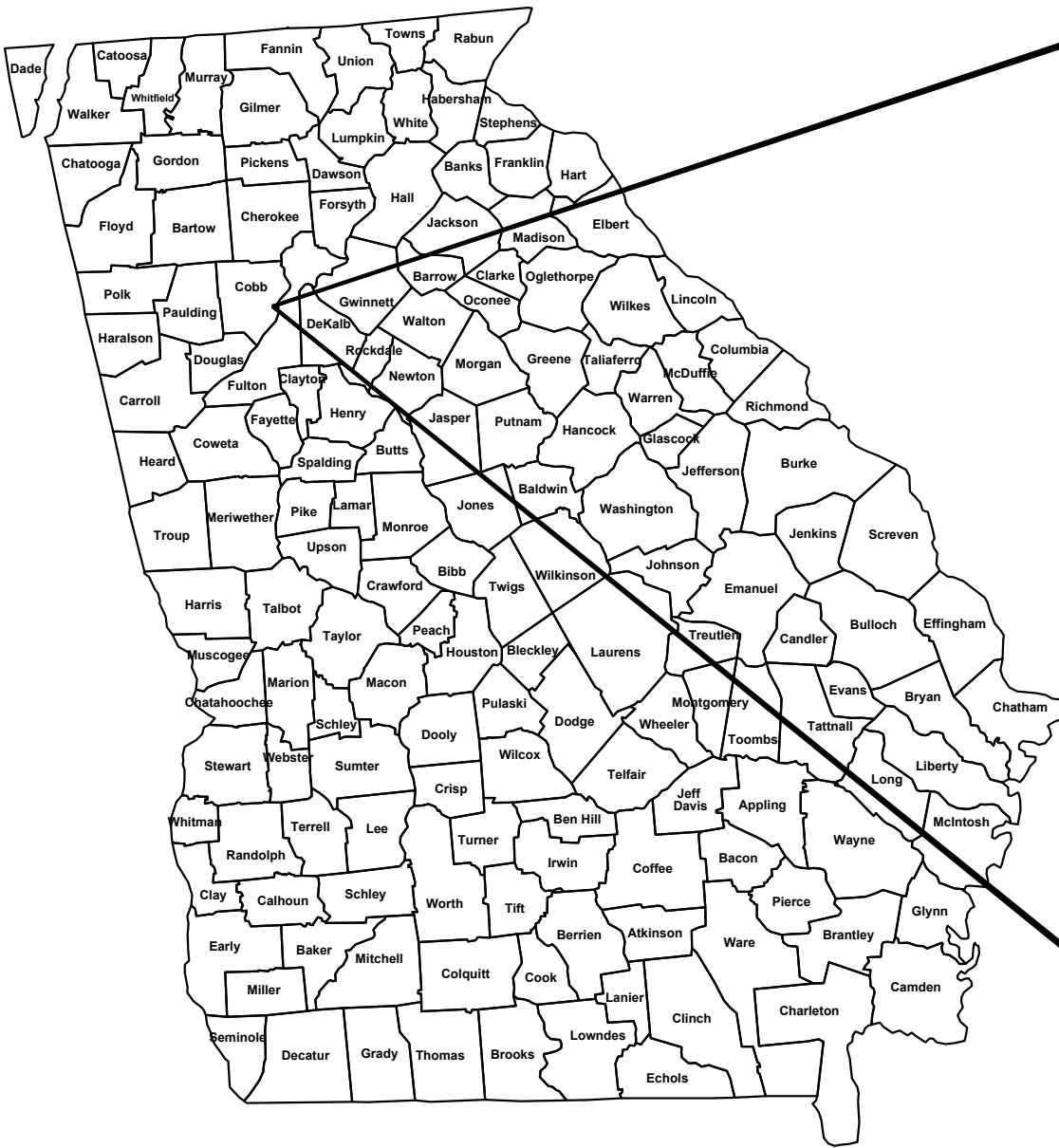
PLANT MCDONOUGH - ATKINSON

INACTIVE SURFACE IMPOUNDMENT

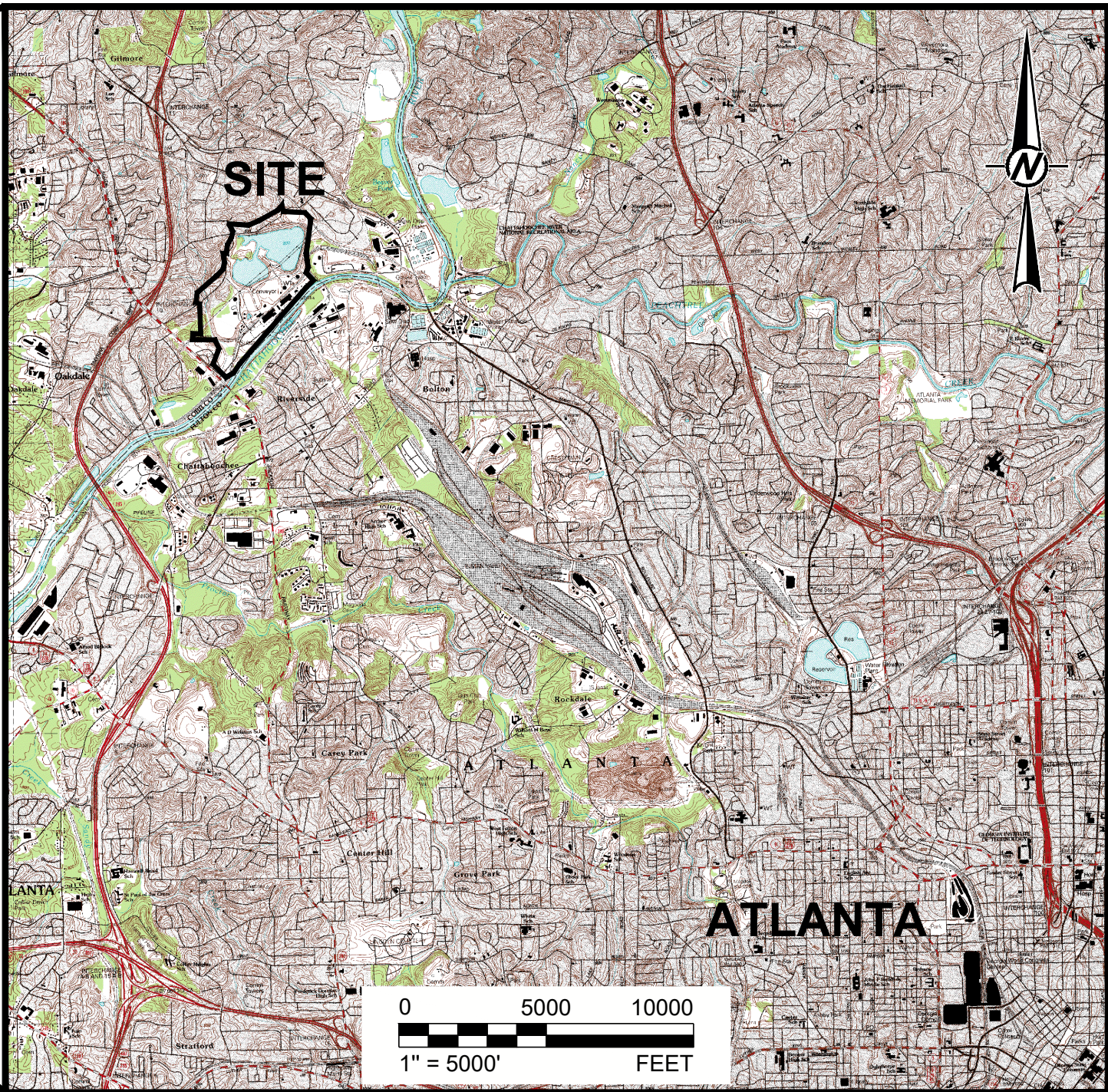
ASH PONDS NO. 2, 3 & 4 CLOSURE DRAWINGS

COBB COUNTY, GEORGIA

FEBRUARY 2025



SITE VICINITY MAP



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

SITE LOCATION MAP

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

CONTACT INFORMATION

CONSULTANT

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WSP USA INC.
5170 PEACHTREE ROAD
BUILDING 100, SUITE 300
ATLANTA, GA 30341
TELEPHONE: 770-496-1893
PREPARED BY:



RESPONSIBLE OFFICIAL

MANAGER
ENVIRONMENTAL AFFAIRS
GEORGIA POWER COMPANY
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ATLANTA, GA 30308
TELEPHONE: 404-506-6505

PROPERTY OWNER

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

PREPARED FOR:



CLIENT
GEORGIA POWER COMPANY



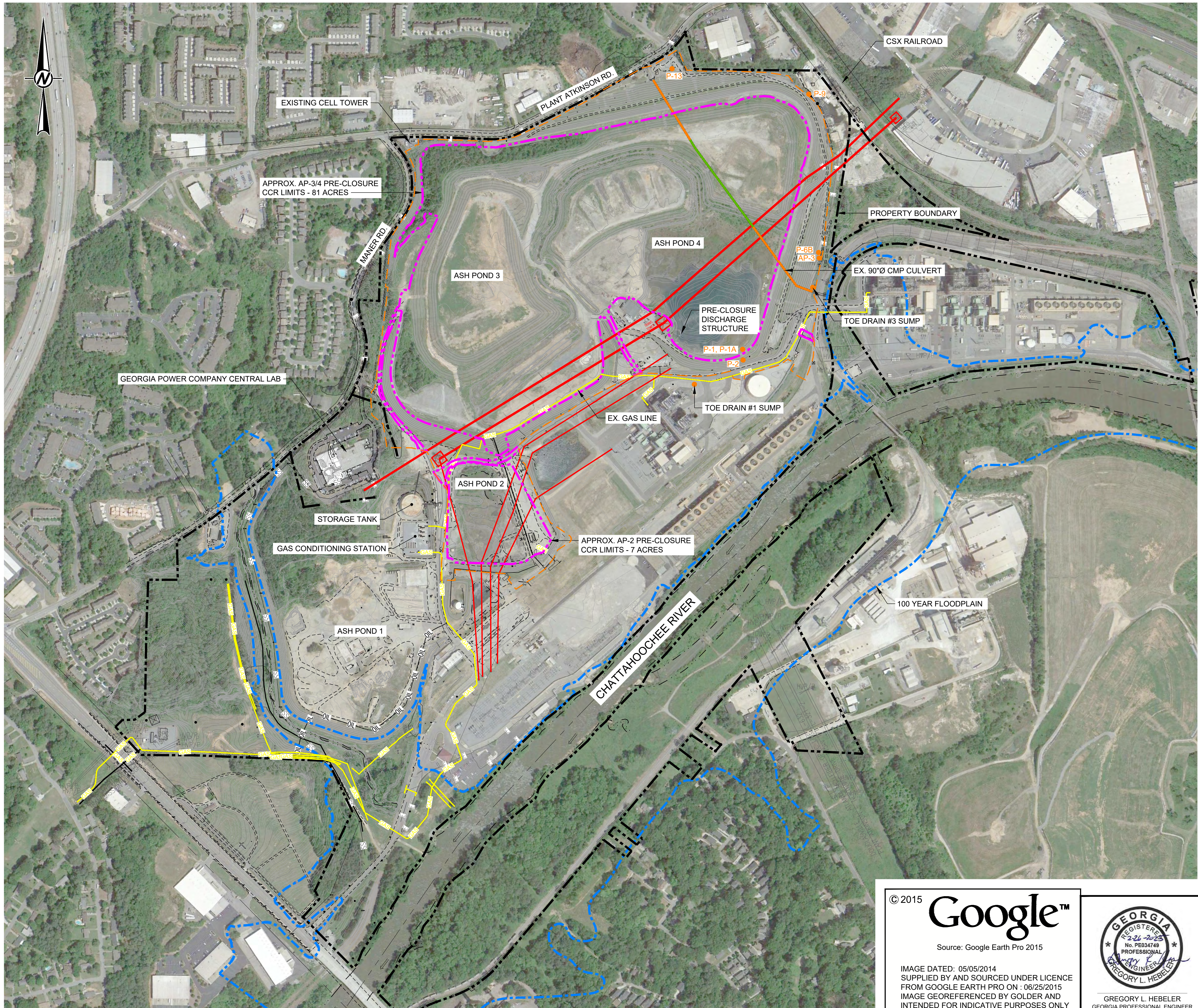
PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE
TITLE
TITLE SHEET AND DRAWING INDEX

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

PROJECT NO. 1777449 REV. 0 SHEET 1

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

Path: \\corp.plbwan.net\USCentral\Draws\ASLT\200\CadSouthern Company\1777449 Plant McDonough\Permitting\AP-3&4-AP-2\AP-3&4-PRODUCT\ON 1 File Name: 1777449 02 PRE-CLOSURE COND-AERIAL.dwg



LEGEND

PRE-CLOSURE CONTOURS

PROPERTY BOUNDARY MARKERS/LIMITS

EXISTING STREAM DIVERSION CULVERT UNDER EMBANKMENTS

EXISTING STREAM DIVERSION CULVERT-CONCRETE ENCASED SECTION

EXISTING OVERHEAD ELECTRIC LINES TO REMAIN & TO BE PROTECTED

APPROXIMATE PRE-CLOSURE CCR LIMITS (SEE NOTE 1)

EXISTING GAS LINE

PROPOSED PERMIT BOUNDARY AP-2, AP-3/4

100 YEAR FLOODPLAIN

AP-3 & AP-4 TOE DRAIN

REFERENCES

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

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

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

NOTES

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

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

0300600

1" = 300'

FEET

CLIENT

GEORGIA POWER COMPANY

PROJECT

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

TITLE

PRE-CLOSURE CONDITIONS SITE MAP

CONSULTANT

YYYY-MMM

2025-FEB

DESIGNED

GLH

PREPARED

RMS

CHECKED

MP

REVIEWED / APPROVED

GLH

PROJECT NO.

1777449

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SHEET

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Google™

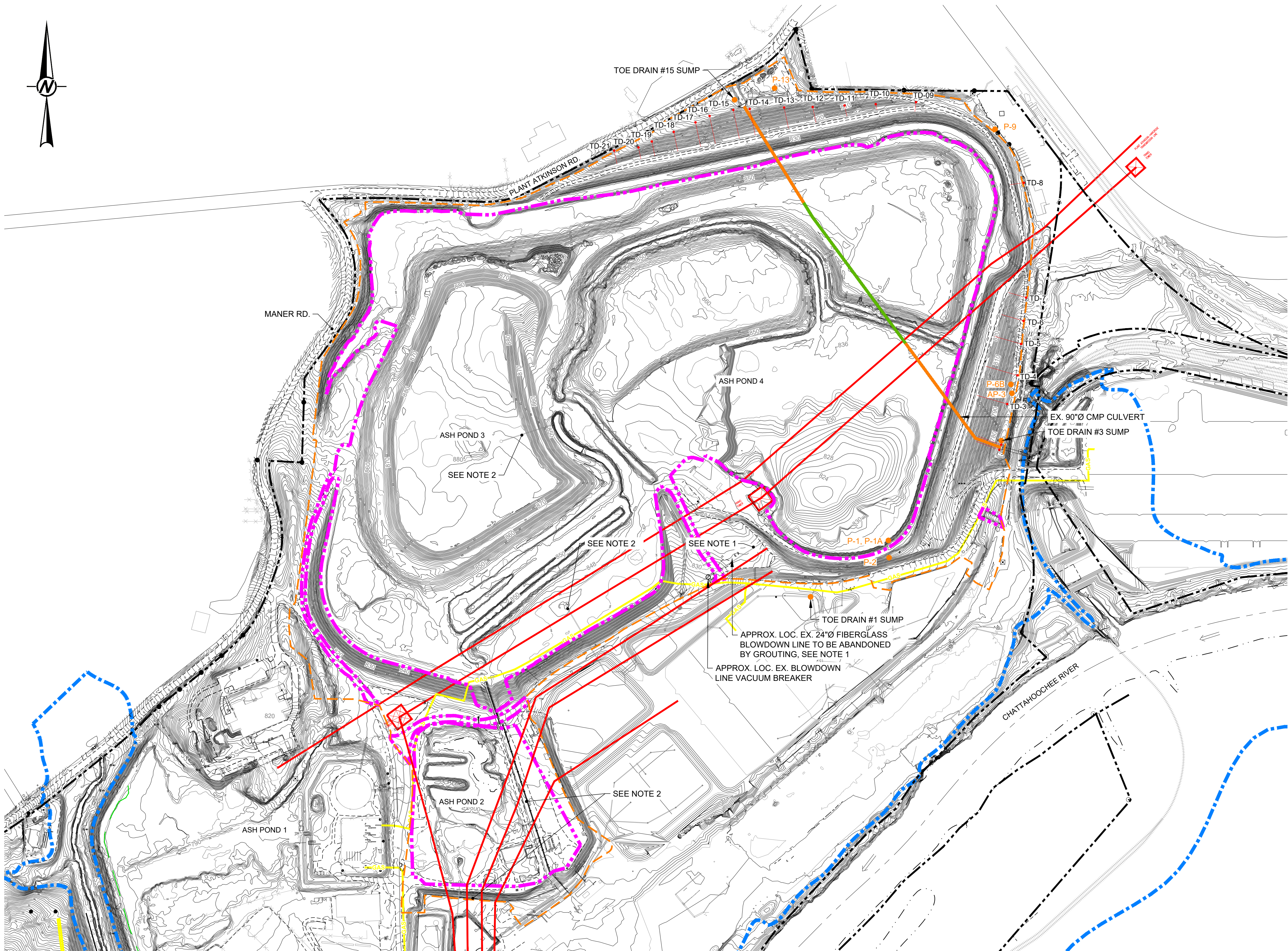
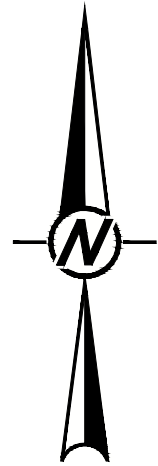
Source: Google Earth Pro 2015

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

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

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

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

NOTES

- AP-4 SPILLWAY OUTLET STRUCTURE TO BE DEMOLISHED AND COVERED WITH SOIL FILL 3 FEET MINIMUM BELOW CLOSURE COVER SYSTEM. EXISTING BLOWDOWN LINE TO BE ABANDONED BY GROUTING TO THE BLOWDOWN VACUUM BREAKER.
- PIPES TO BE ABANDONED VIA A COMBINATION OF REMOVAL AND GROUTING OF REMAINING PORTIONS.
- CCR DELINEATION IS ONGOING THROUGHOUT CONSTRUCTION AND WILL CONTINUE UNTIL THE COMPLETION OF CLOSURE CERTIFICATION. ALL CCR WITHIN THE CLOSURE PERMIT BOUNDARY TO BE EITHER EXCAVATED OR PLACED WITHIN THE FINAL COVER LIMITS.
- DRY AP-4 TOE DRAINS TO BE REMOVED OR GROUTED.

REFERENCES

- THE PRE-CLOSURE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 10-16-2012. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 10-26-12.
- REVISED PRE-CLOSURE TOPOGRAPHY & CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA POWER LAND DEPARTMENT. THE DATA SHOWN IS AN UPDATE TO THE PLANS DONE ON 10-16-2012 & THE ONSITE CHANGES SINCE THAT 2012 SURVEY. THE REVISED SURVEY WAS DONE ON 1-12-2016 & MERGED WITH THE DATA ON 10-16-2012. GEORGIA POWER COMPANY PLANT MCDONOUGH ASH PONDS - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF SURVEY 1-12-2016.

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION



CLIENT
GEORGIA POWER COMPANY



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

TITLE
PRE-CLOSURE CONDITIONS

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

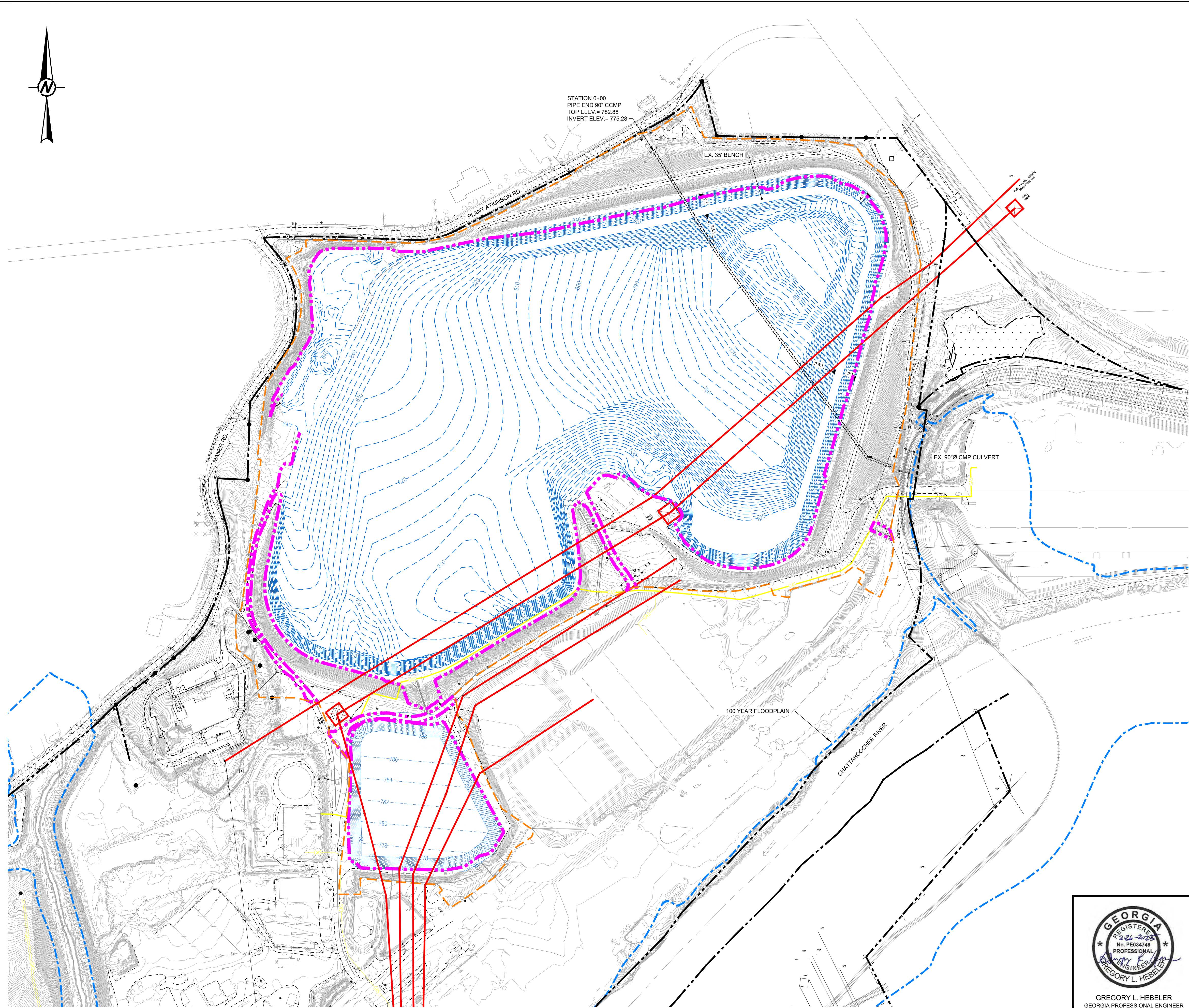
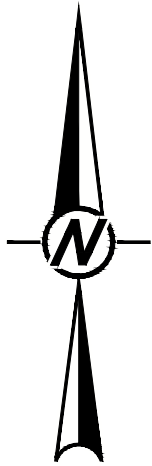


PROJECT NO. 1777449 REV. 0 SHEET 3



GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

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



LEGEND

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

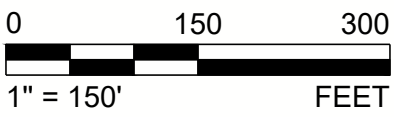
NOTE

- ESTIMATED BOTTOM OF CCR CONTOURS BASED ON A COMBINATION OF 1954 USGS TOPOGRAPHY (ACCOUNTING FOR ESTIMATED BORROW FROM WITHIN ASH POND LIMITS), AND GOLDRER GEOTECHNICAL INVESTIGATION. DEPICTED INTERIOR DAM GRADING BELOW EXISTING EXPOSED LIMITS IS INFERRED FROM HISTORIC SOUTHERN COMPANY DAM DESIGN TYPICAL SECTIONS.
- CCR DELINEATION IS ONGOING THROUGHOUT CONSTRUCTION AND WILL CONTINUE UNTIL THE COMPLETION OF CLOSURE CERTIFICATION. ALL CCR WITHIN THE CLOSURE PERMIT BOUNDARY TO BE EITHER EXCAVATED OR PLACED WITHIN THE FINAL COVER LIMITS.
- BOTTOM OF CCR GRADES INDICATED ONLY WITHIN THE CCR UNIT AP-3/4 UNIT BOUNDARY.

REFERENCES

- THE PRE-CLOSURE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO. INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 10-16-2012. REFER TO THE SURVEY DRAWING TITLED 'TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 10-26-12.
- REVISED PRE-CLOSURE TOPOGRAPHY & CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA POWER LAND DEPARTMENT. THE DATA SHOWN IS AN UPDATE TO THE PLANS DONE ON 10-16-2012 & THE ONSITE CHANGES SINCE THAT 2012 SURVEY. THE REVISED SURVEY WAS DONE ON 1-12-2016 & MERGED WITH THE DATA ON 10-16-2012. GEORGIA POWER COMPANY PLANT MCDONOUGH ASH PONDS - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF SURVEY 1-12-2016.

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION



CLIENT
GEORGIA POWER COMPANY



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

TITLE
ESTIMATED BOTTOM OF CCR PLAN

CONSULTANT



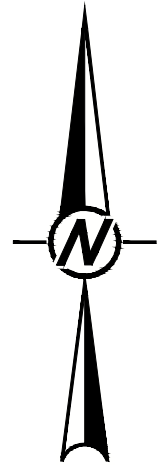
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DESIGNED	GLH
PREPARED	RMS
CHECKED	MP
REVIEWED / APPROVED	GLH



PROJECT NO.
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LEGEND

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

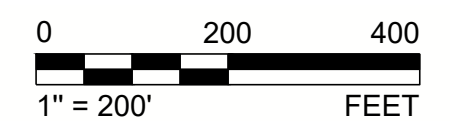
REFERENCES

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

NOTES

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

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION



CLIENT
GEORGIA POWER COMPANY



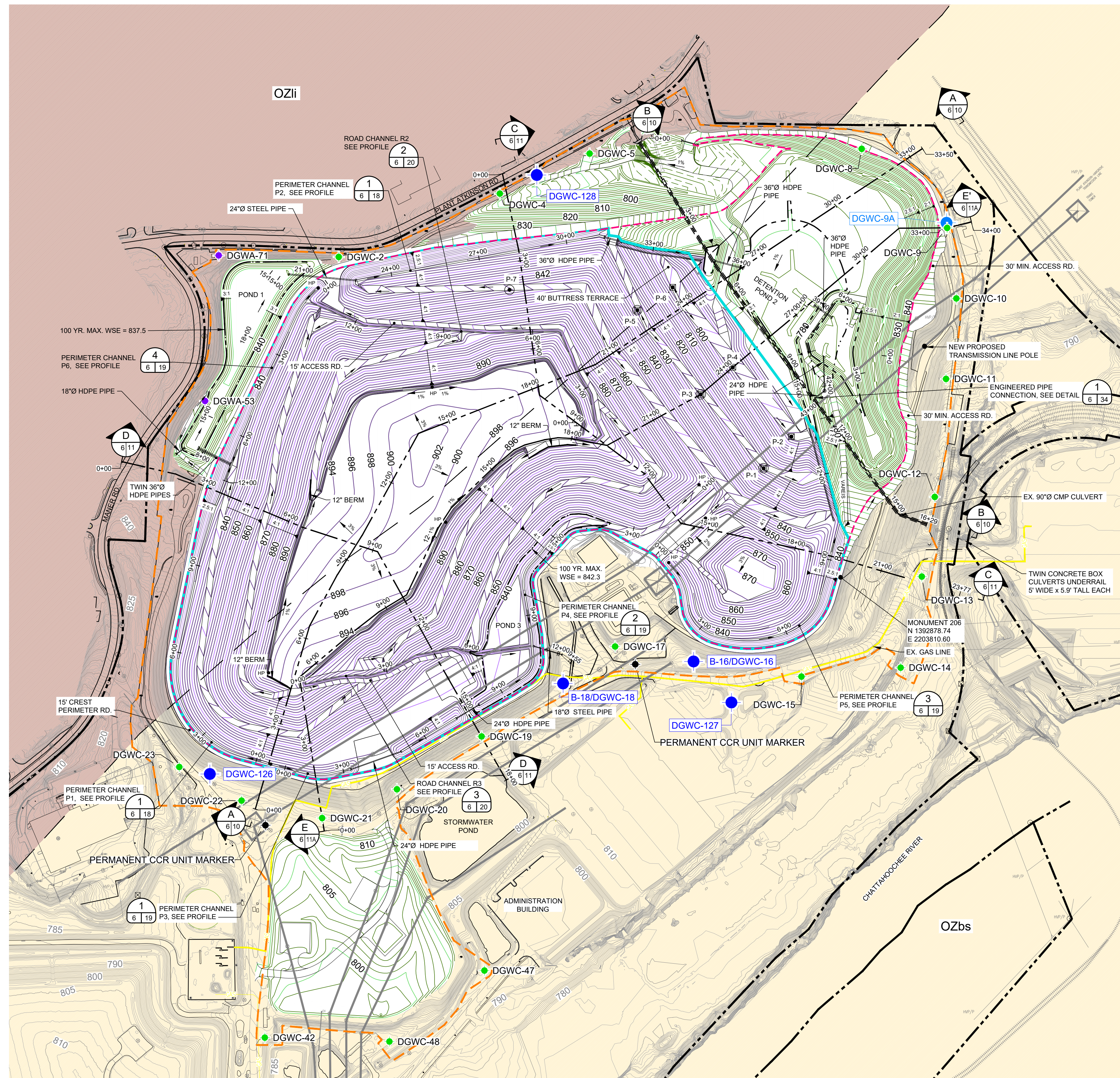
PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

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

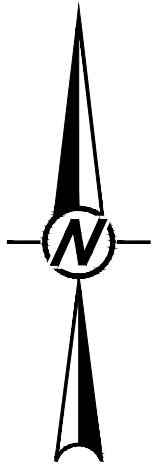
CONSULTANT	YYYY-MMM	2025-FEB
	DESIGNED	GLH
	PREPARED	RMS
	CHECKED	MP
	REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 REV. 0 SHEET 5





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



LEGEND

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

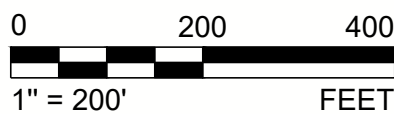
NOTES

- SUPERGRIPNET TO BE AGRU 50 MIL LLDPE OR AGRU 50 MIL LLDPE MICRODRAIN.
- MICROSPIKE TO BE AGRU 40 MIL MINIMUM LLDPE GEOMEMBRANE LINER.
- CLOSURE TURF TO CONTAIN SAND INFILL MINIMUM 1/2\"

REFERENCES

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

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION



CLIENT
GEORGIA POWER COMPANY



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

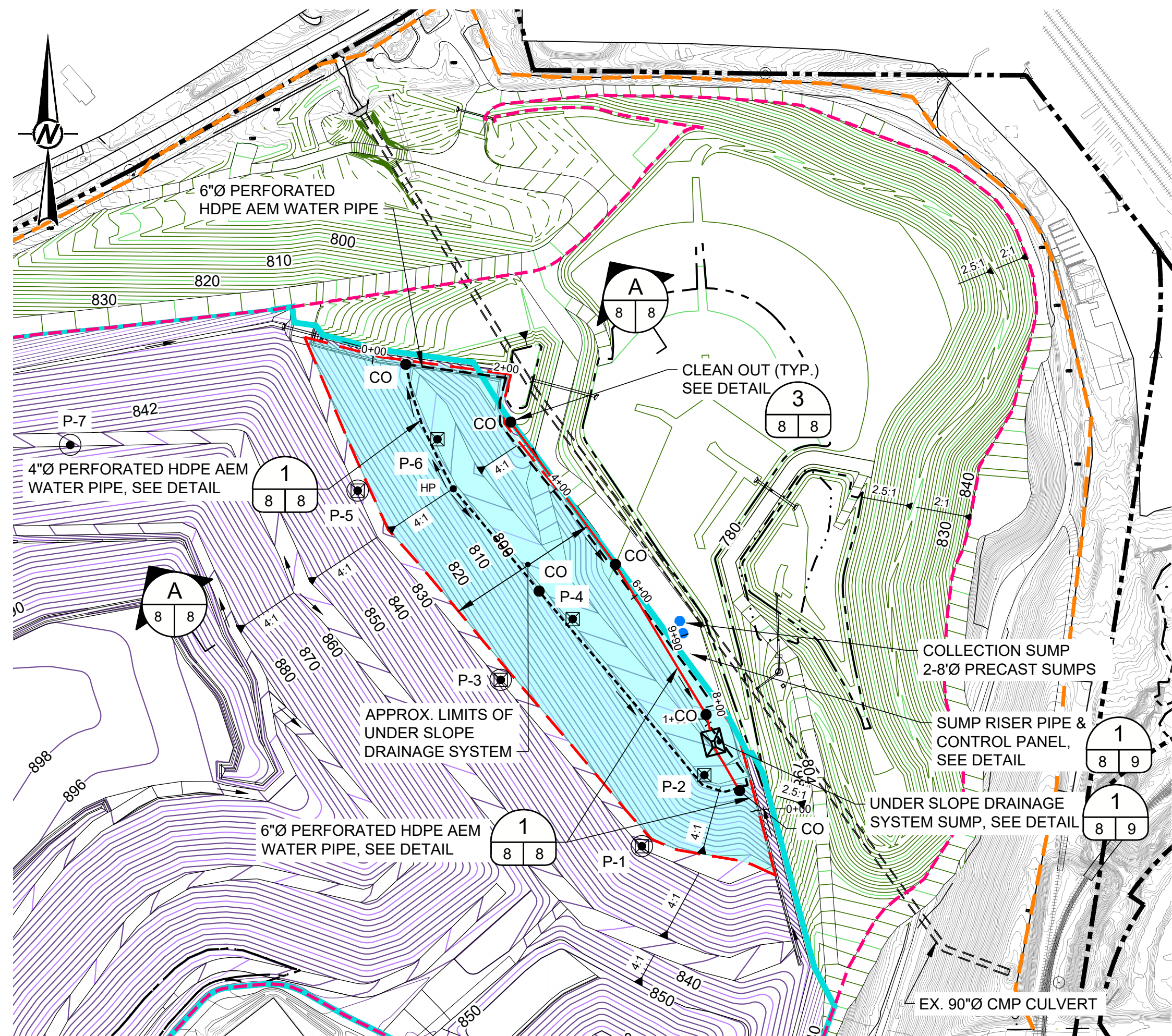
TITLE
AP - 3/4 FINAL COVER ARMORING DELINEATION PLAN

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

PROJECT NO. 1777449 REV. 0 SHEET 7



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UNDER SLOPE DRAINAGE SYSTEM

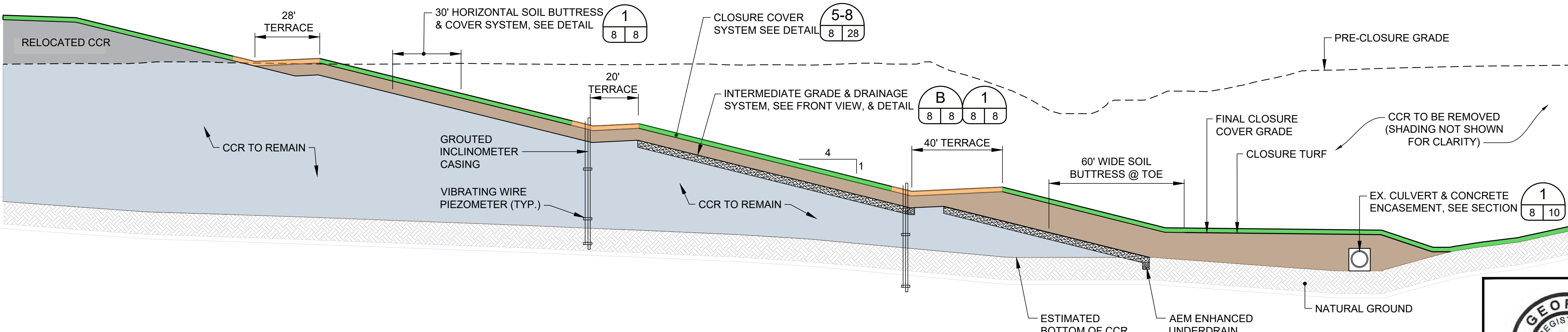


LEGEND

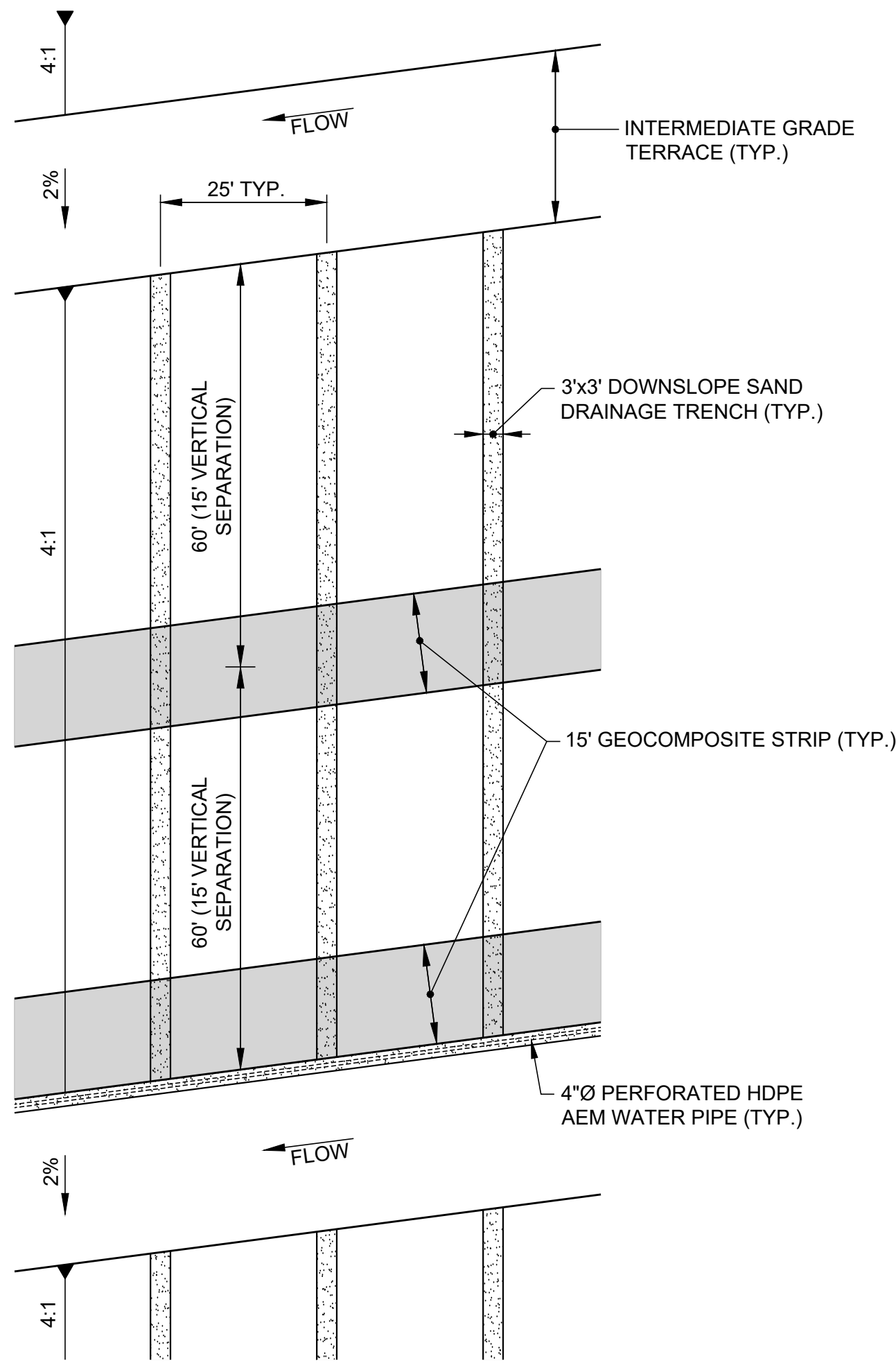
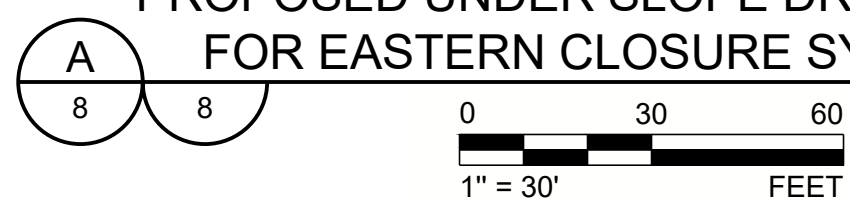
- P-2 ■ DUAL LEVEL VW PIEZOMETER & INCLINOMETER
- P-1 ● TRI LEVEL VW PIEZOMETER & INCLINOMETER
- P-7 ● DUAL LEVEL VW PIEZOMETER
- CO ● AEM WATER PIPE CLEAN OUT

HATCH LEGEND

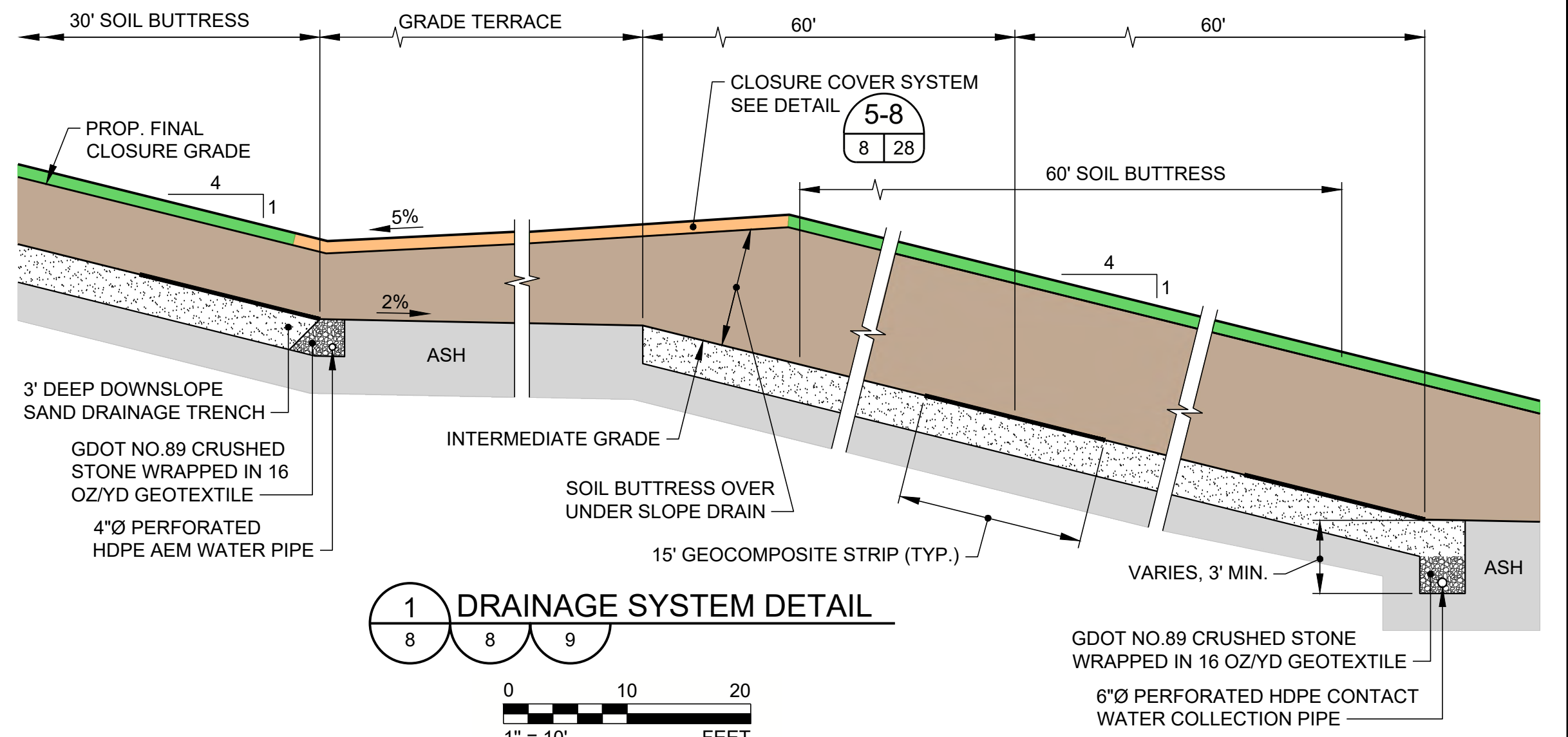
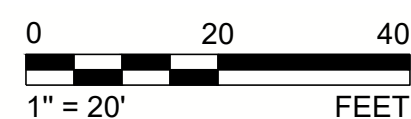
- EXISTING ASH TO REMAIN
- EXISTING EMBANKMENT FILL
- ASH/SOIL TO BE REMOVED
- PROPOSED ASH FILL
- PROPOSED SOIL FILL
- HYDROTURF OVER SUPERGRIPNET
- CLOSURE TURF OVER SUPERGRIPNET



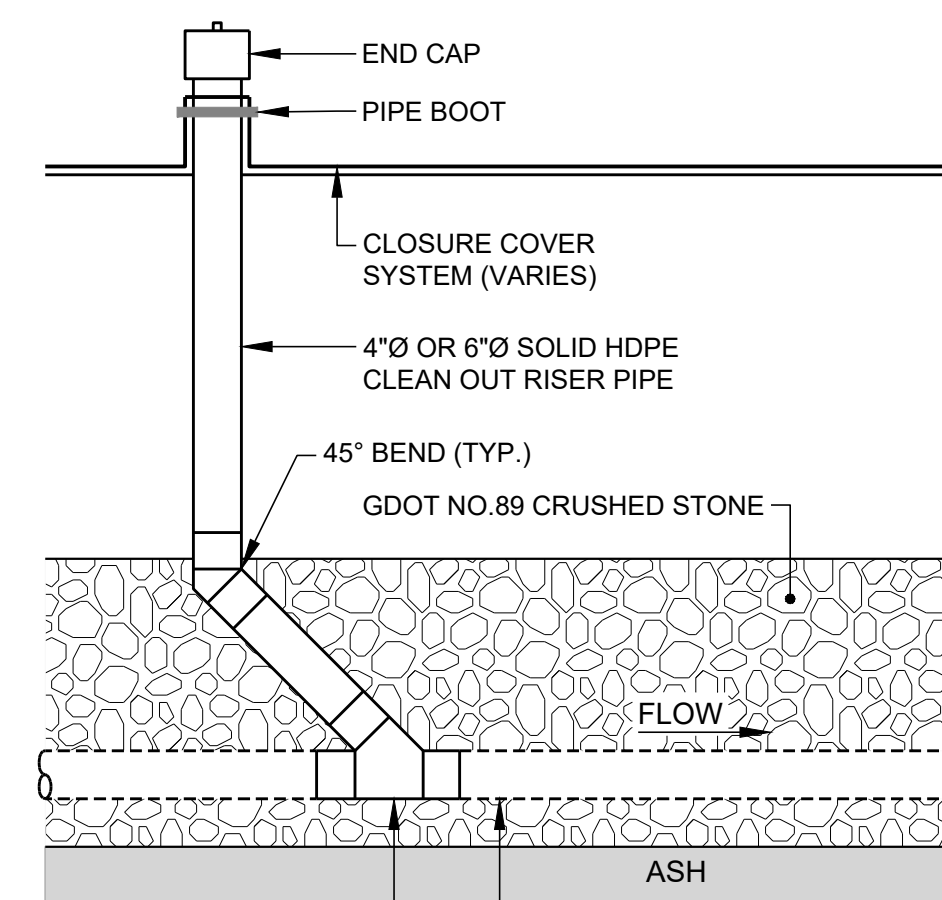
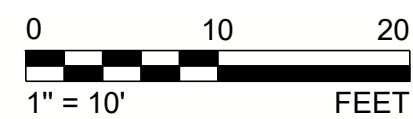
PROPOSED UNDER SLOPE DRAINAGE SYSTEM FOR EASTERN CLOSURE SYSTEM SLOPE



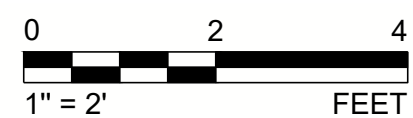
DRAINAGE SYSTEM FRONT VIEW B-B



DRAINAGE SYSTEM DETAIL



CLEAN OUT RISER DETAIL



NOTES

1. THE PORTIONS OF THE MAIN EXCAVATION SLOPE BELOW THE BENCH AT MAXIMUM ELEVATION OF 860 FEET RECEIVE A STRUCTURAL FILL STABILITY BERM OF MINIMUM 30 FOOT HORIZONTAL WIDTH ON TOP OF THE FINISH CCR EXCAVATION SLOPE FOR ELEVATIONS ABOVE THE BOTTOM BENCH, AND MINIMUM 60 FOOT HORIZONTAL WIDTH BELOW THE BOTTOM BENCH AS SHOWN ON DRAWING SHEET 28.
2. AN UNDER SLOPE DRAIN SYSTEM IS TO BE CONSTRUCTED ALONG THE FINISH CCR EXCAVATION SLOPE BENEATH THE SOIL BUTTRESS FOR ALL AREAS BELOW THE 2ND BENCH FROM THE BOTTOM AS PER THE DETAILS ON THIS SHEET.

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NOT FOR CONSTRUCTION

CLIENT
GEORGIA POWER COMPANY



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

TITLE
UNDER SLOPE DRAINAGE SYSTEM PLAN & DETAILS

CONSULTANT



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

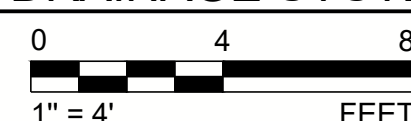
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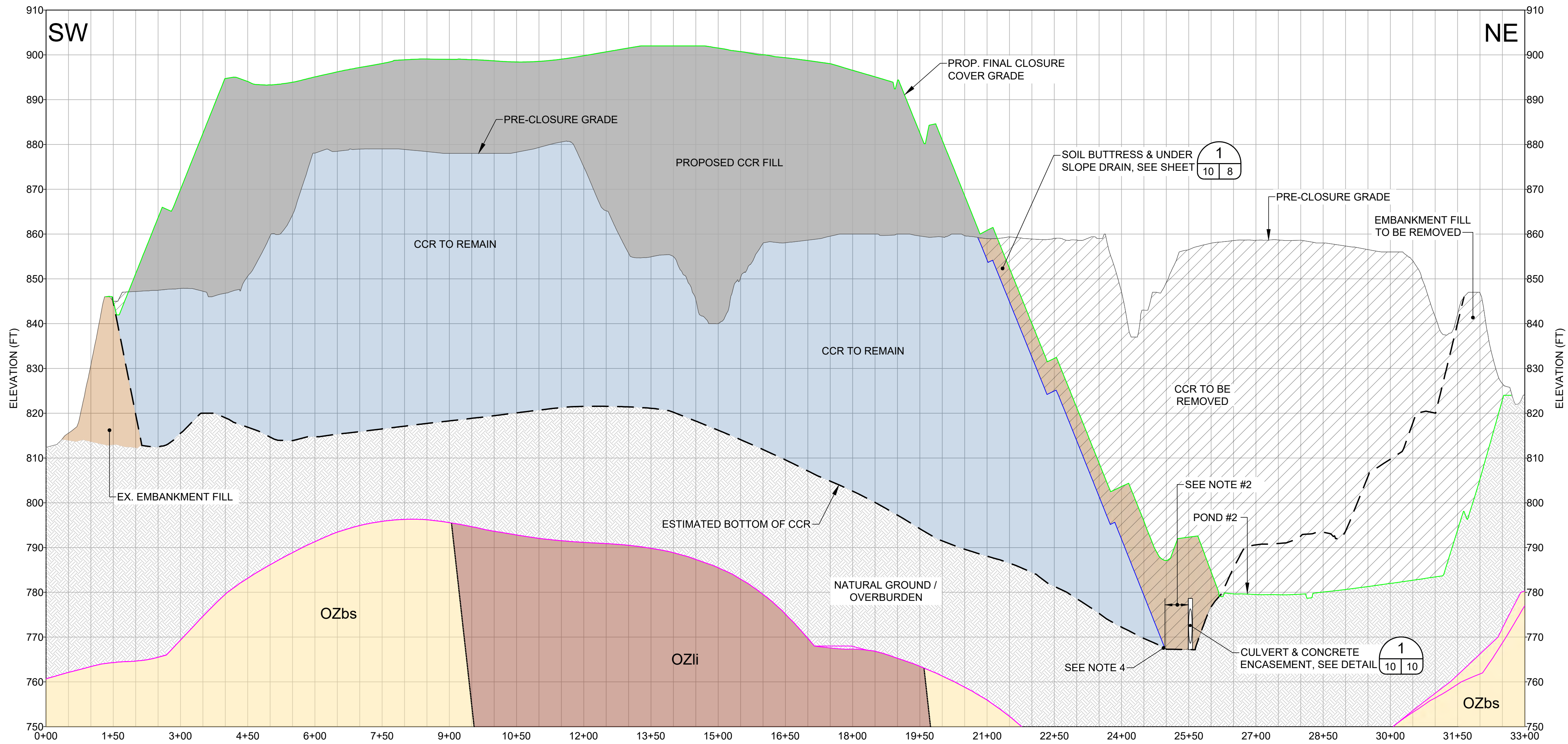
SHEET
8



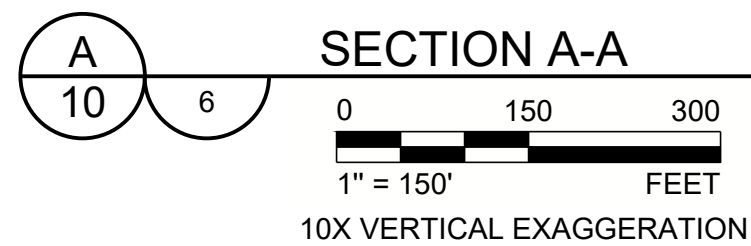
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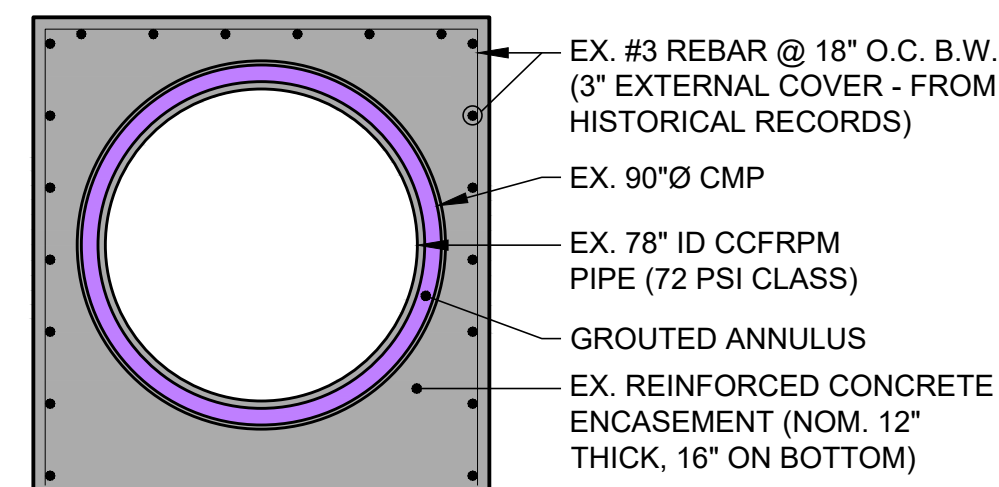
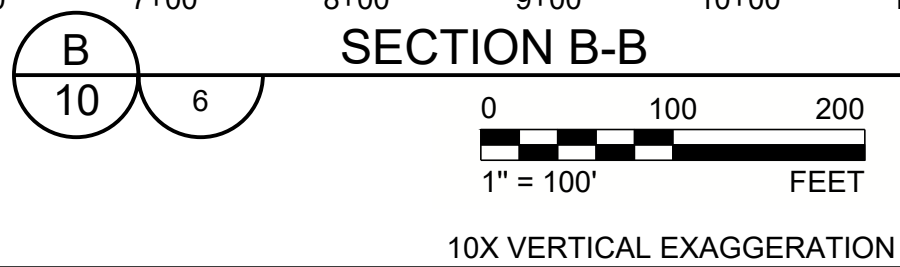
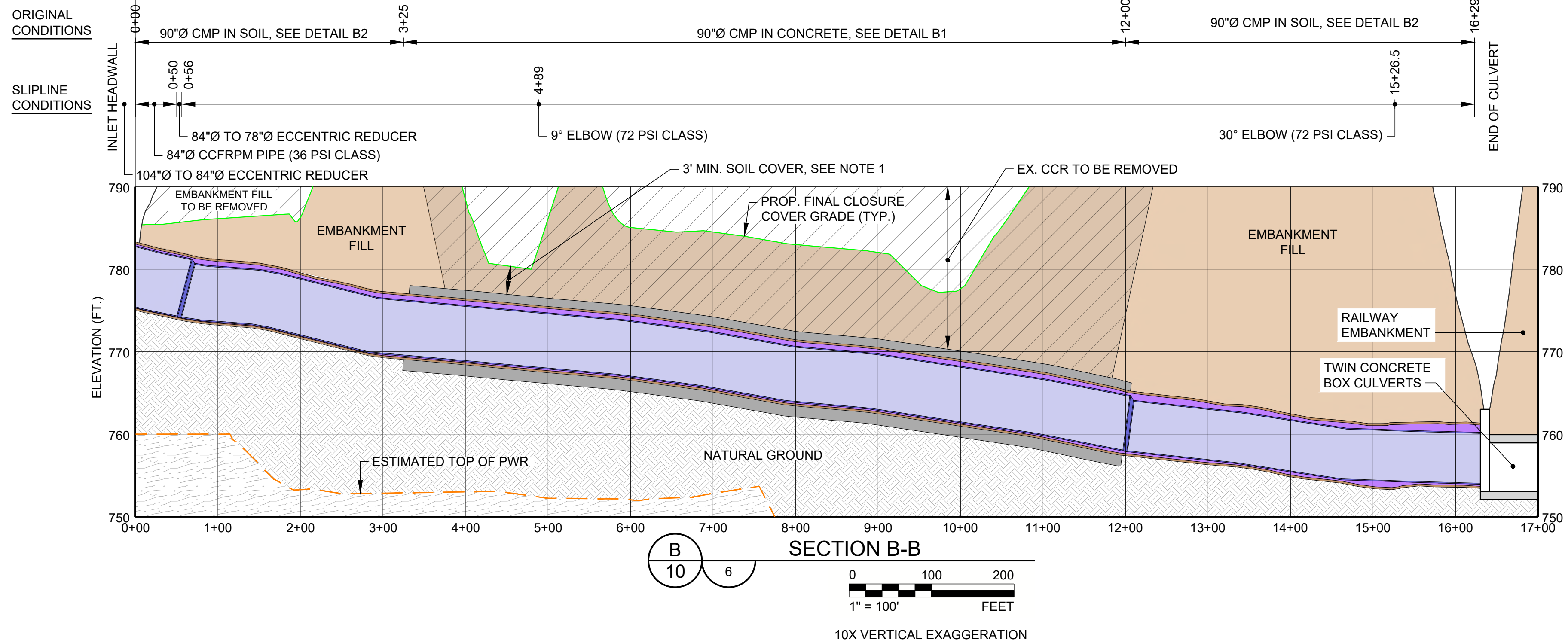


- LEGEND**
- CCR TO REMAIN
 - EXISTING EMBANKMENT FILL
 - CCR / SOIL TO BE REMOVED
 - PROPOSED CCR FILL
 - PROPOSED SOIL FILL
 - NATURAL GROUND / OVERBURDEN (COMPRISED OF RESIDUAL SOILS, TRANSITIONALLY WEATHERED ROCK, AND FILL)
 - PHYLLONITE, BUTTON SCHIST, MYLONITE, AND MYLONITIC BIOTITE GNEISS (OZbs)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

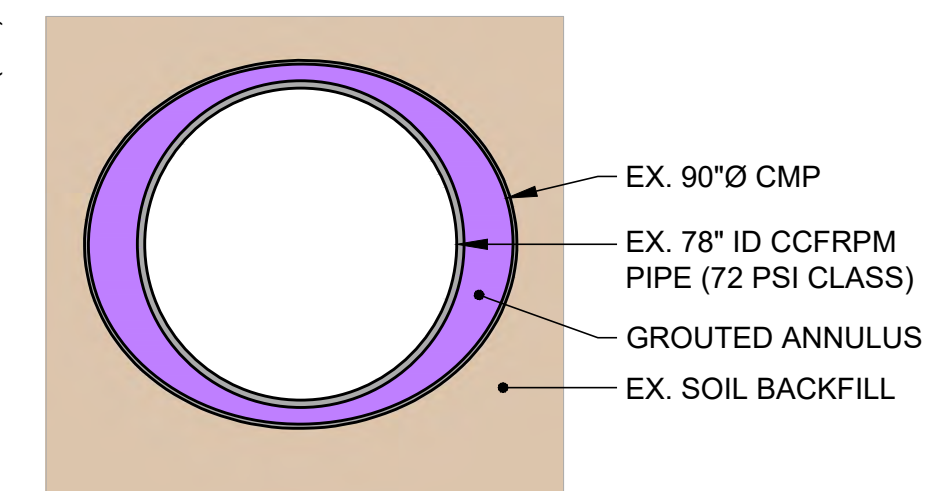


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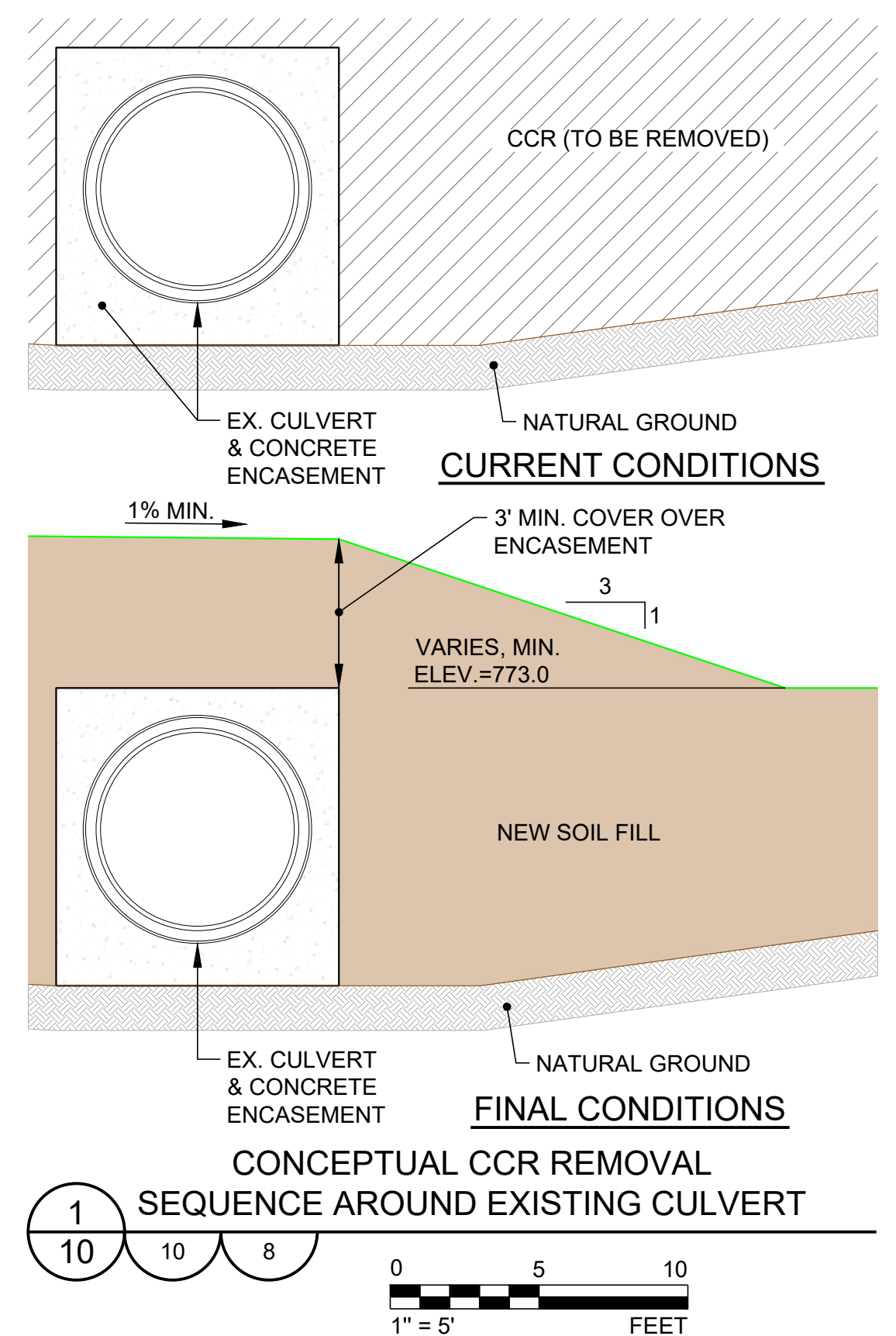
- EXISTING CCR TO BE REMOVED FROM OVER AND AROUND EXISTING PIPE AND SOIL FILL TO BE PLACED BACK OVER PIPE.
- MAINTAIN 50 FOOT BUFFER BETWEEN FINAL TOE OF CCR AND EXISTING EDGE OF CULVERT.
- ESTIMATED BOTTOM OF CCR LIMITS ARE APPROXIMATE.
- REFER TO SHEET 11A FOR UNDER DRAIN DETAILS.



CONCRETE ENCASED 90°Ø CMP SLIPLINED WITH CCFRPM PIPE



90°Ø CMP IN SOIL SLIPLINED WITH CCFRPM PIPE



REFERENCES

- THE PRE-CLOSURE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO., INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 10-16-2012. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 10-26-12. PROJECT NO. 13225 - 01-13-2013."
- REVISED PRE-CLOSURE TOPOGRAPHY & CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA POWER LAND DEPARTMENT. THE DATA SHOWN IS AN UPDATE TO THE PLANS DONE ON 10-16-2012 & THE ONSITE CHANGES SINCE THAT 2012 SURVEY. THE REVISED SURVEY WAS DONE ON 1-12-2016 & MERGED WITH THE DATA ON 10-16-2012. GEORGIA POWER COMPANY PLANT MCDONOUGH ASH PONDS - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF SURVEY 1-12-2016.

**FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION**

CLIENT
GEORGIA POWER COMPANY

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

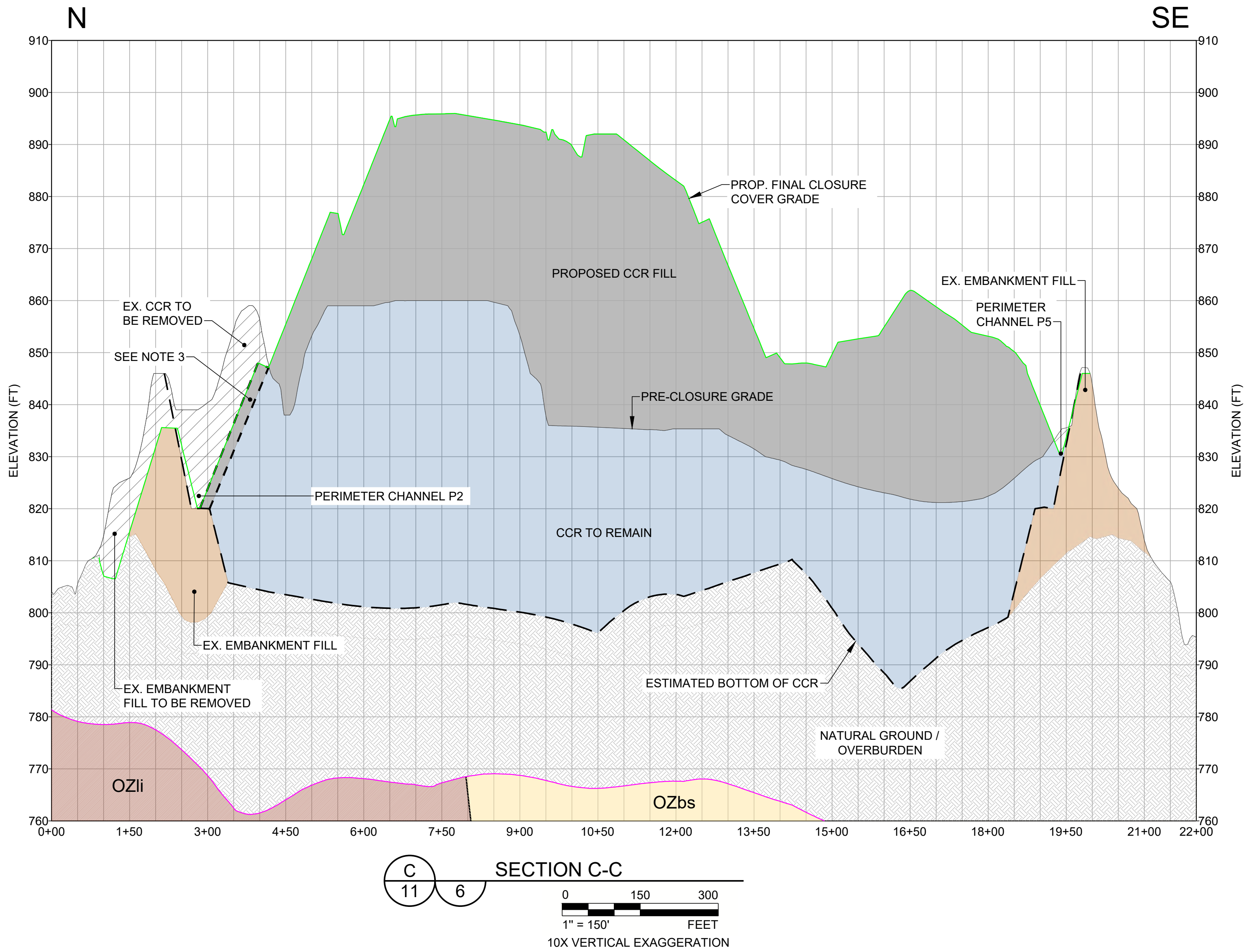
TITLE
SITE SECTIONS - SHEET 1 OF 3

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

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LEGEND

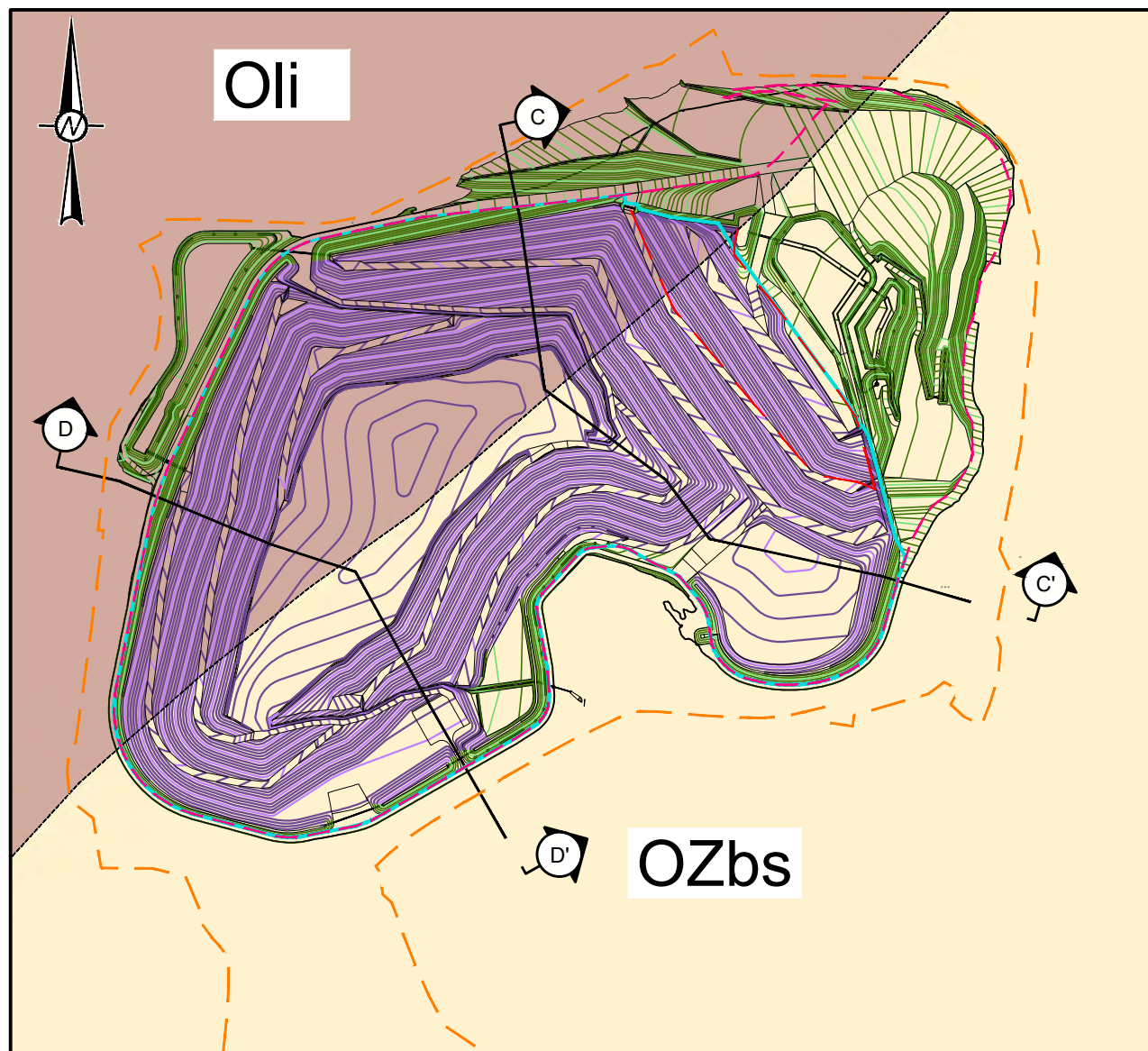
- | | | | |
|--|--------------------------|--|--------------------|
| | CCR TO REMAIN | | PROPOSED CCR FILL |
| | EXISTING EMBANKMENT FILL | | PROPOSED SOIL FILL |
| | CCR / SOIL TO BE REMOVED | | |

REFERENCES

1. THE PRE-CLOSURE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 10-16-2012. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 10-26-12. PROJECT NO. 13225 - 01-13-2013."
2. REVISED PRE-CLOSURE TOPOGRAPHY & CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA POWER LAND DEPARTMENT. THE DATA SHOWN IS AN UPDATE TO THE PLANS DONE ON 10-16-2012 & THE ONSITE CHANGES SINCE THAT 2012 SURVEY. THE REVISED SURVEY WAS DONE ON 1-12-2016 & MERGED WITH THE DATA ON 10-16-2012. GEORGIA POWER COMPANY PLANT MCDONOUGH ASH PONDS - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF SURVEY 1-12-2016 - LAND ENG. PROJECT # 20160020.

NOTES

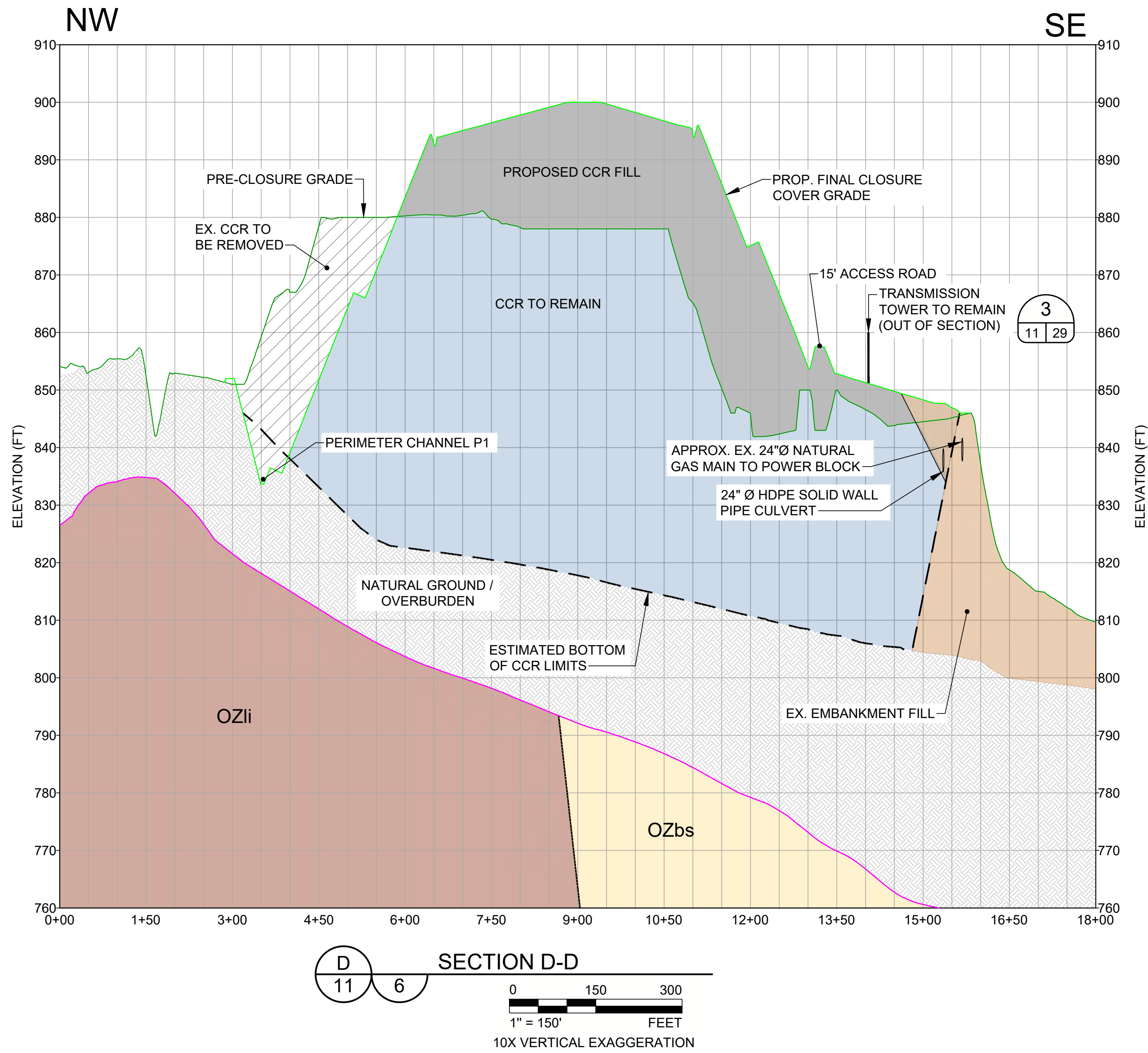
1. 24 INCH DIAMETER NATURAL GAS FEED FOR POWER PLANT RUNS WITHIN THE SOUTHERN PORTION OF EXISTING ASH POND 3 PERIMETER BERM.
2. ESTIMATED BOTTOM OF CCR LIMITS ARE APPROXIMATE.
3. OVER EXCAVATE AND RECOMPACT CCR FILL ALONG NORTHERN PERIMETER CHANNEL A MINIMUM OF 20 FEET HORIZONTALLY TO BOTTOM OF CCR OR A MINIMUM OF FIVE FEET BELOW FINAL CHANNEL BOTTOM IF STILL IN CCR.



KEY MAP

NOTES

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



LEGEND - KEY MAP

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

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

CLIENT
GEORGIA POWER COMPANY



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

TITLE
SITE SECTIONS - SHEET 2 OF 3

CONSULTANT



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

PROJECT NO.
1777449

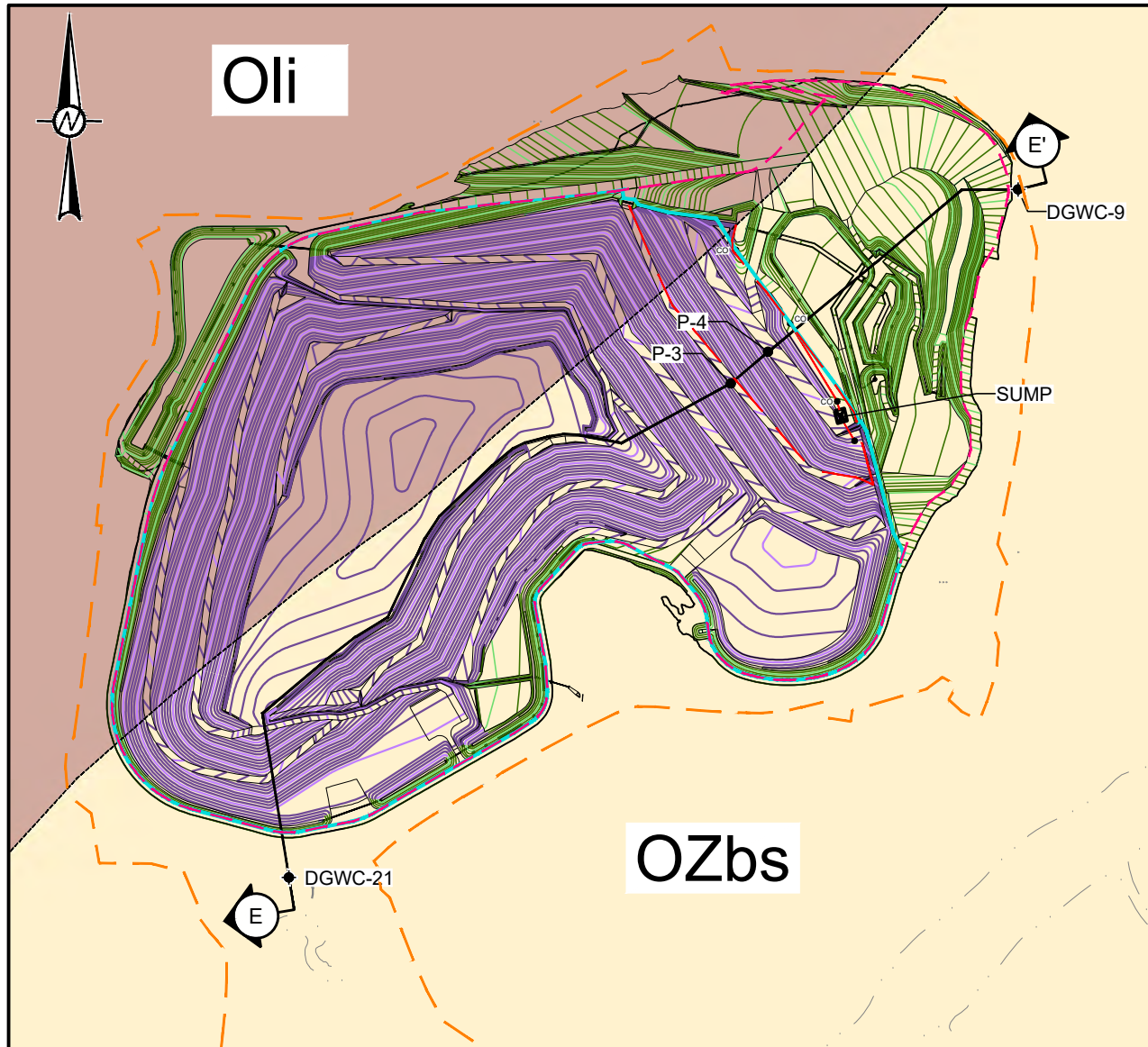
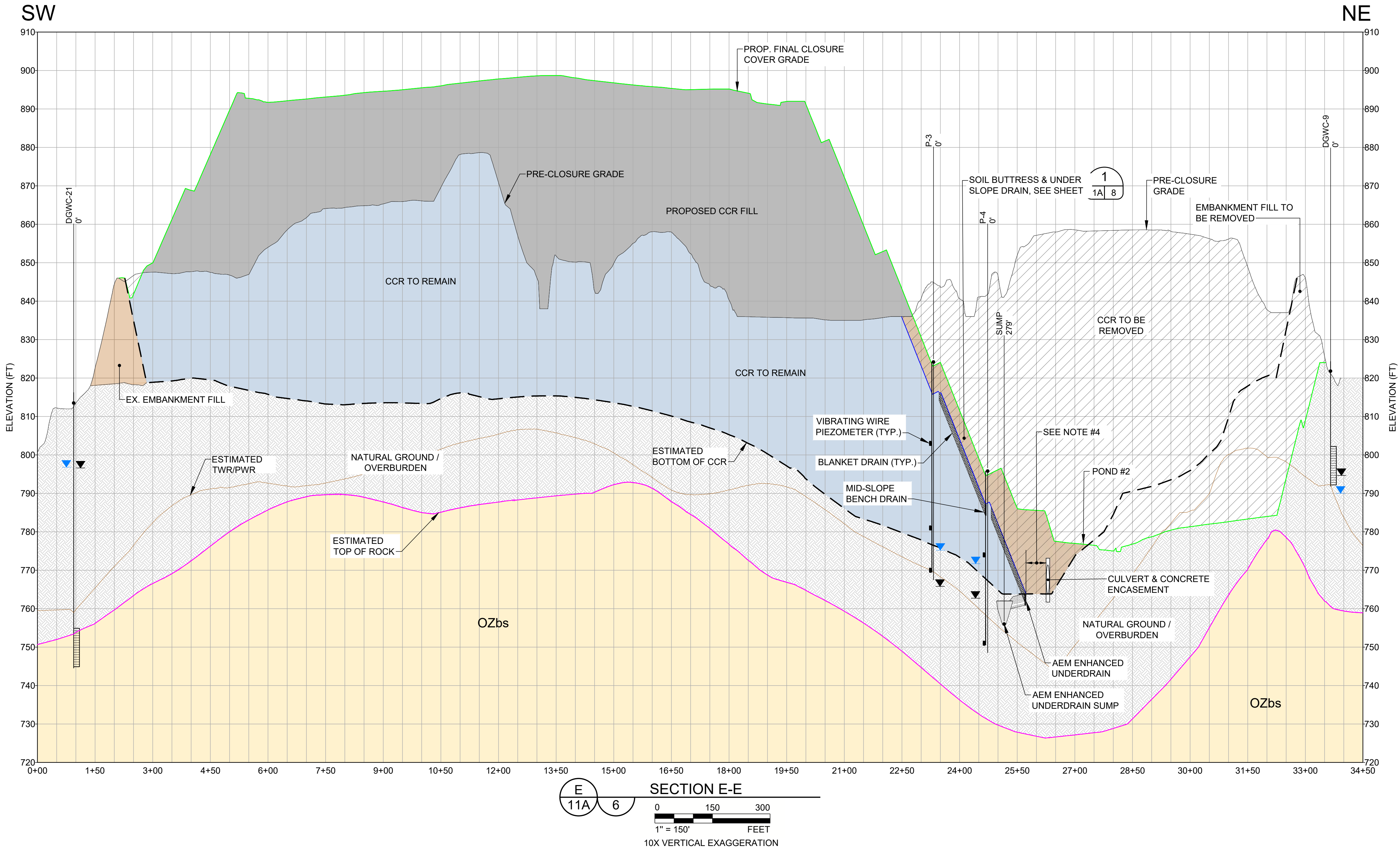
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KEY MAP

LEGEND - KEY MAP

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

NOTES

- FINAL CLOSURE CONTOURS (PURPLE) DELINEATE FINAL LIMITS OF CCR.
- CLOSURE CONTOURS OUTSIDE LIMITS OF CCR (GREEN) DELINEATE AREAS WHERE ANY EXISTING ASH IS TO BE COMPLETELY REMOVED.
- EXISTING CCR TO BE REMOVED FROM OVER AND AROUND EXISTING PIPE AND SOIL FILL TO BE PLACED BACK OVER PIPE.
- MAINTAIN 50 FOOT BUFFER BETWEEN FINAL TOE OF CCR AND EXISTING EDGE OF CULVERT.
- ESTIMATED BOTTOM OF CCR LIMITS ARE APPROXIMATE.
- 24 INCH DIAMETER NATURAL GAS FEED FOR POWER PLANT RUNS WITHIN THE SOUTHERN PORTION OF EXISTING ASH POND 3 PERIMETER BERM.

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NOT FOR CONSTRUCTION

REFERENCES

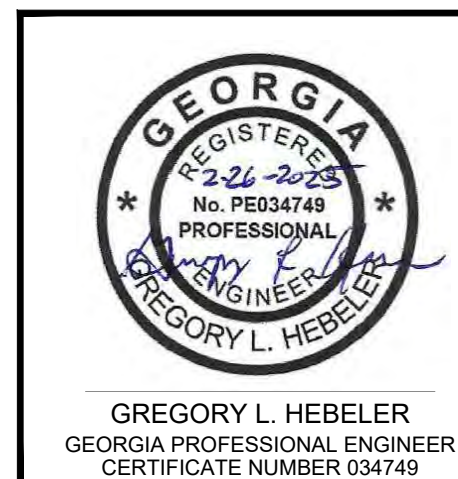
1. THE PRE-CLOSURE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 10-16-2012. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY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

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

LEGEND - SECTION

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

- RECORDED GROUNDWATER ELEVATION (JANUARY 2025)
- PREDICTED POST-CLOSURE GROUNDWATER SURFACE
- BORING ID
- DISTANCE FROM CROSS-SECTION (FEET) (- REPRESENTS LEFT OF ALIGNMENT)
- GROUND SURFACE ELEVATION
- SCREEN INTERNAL



CLIENT
GEORGIA POWER COMPANY



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

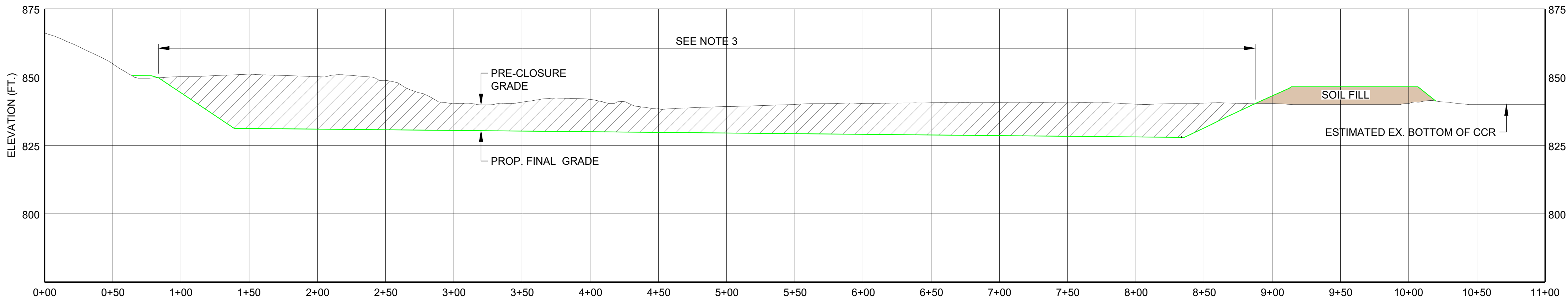
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SITE SECTIONS - SHEET 3 OF 3

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	CHECKED	MP
	REVIEWED / APPROVED	GLH

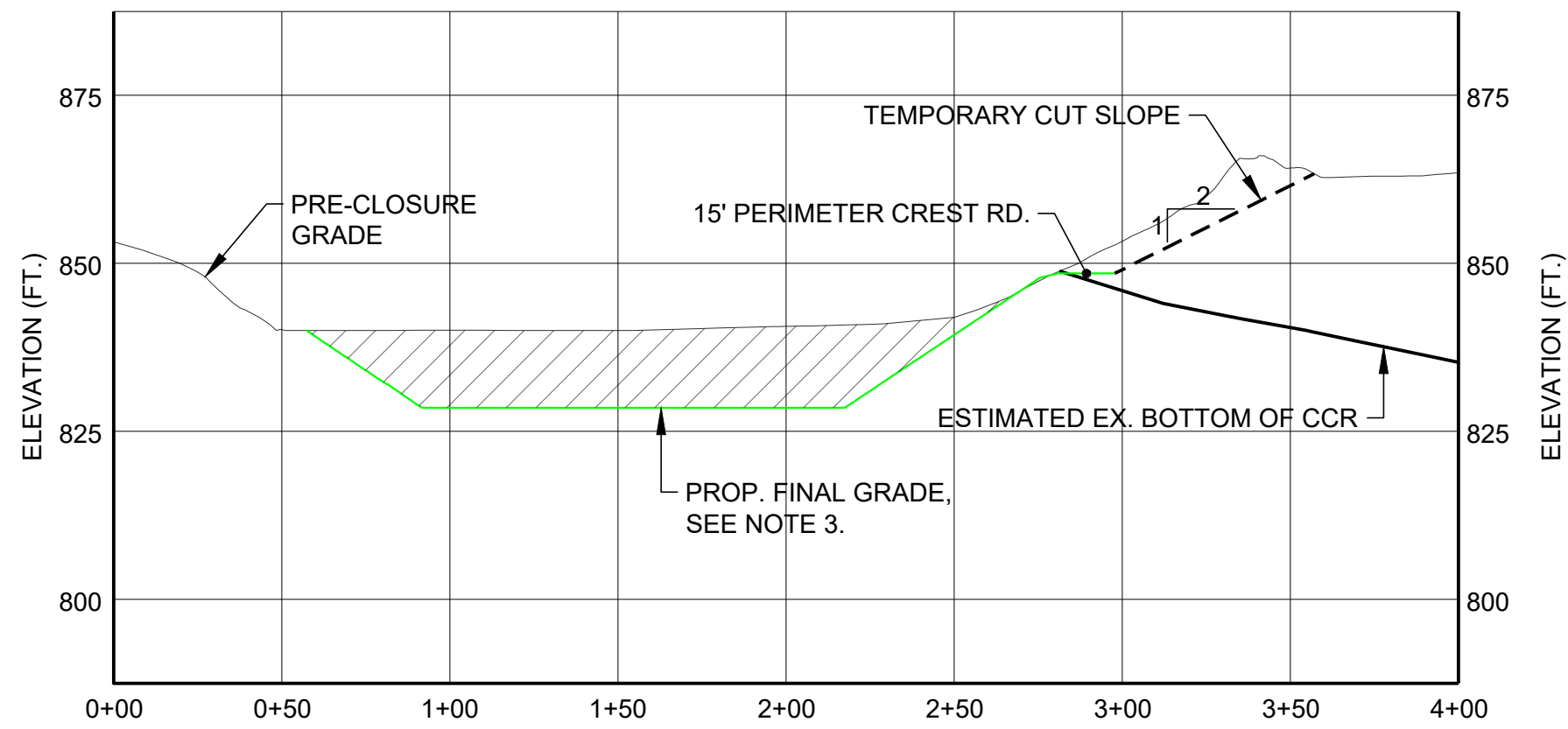
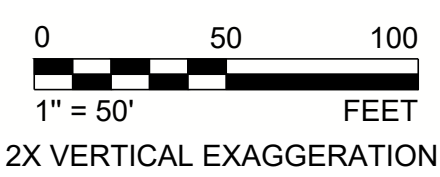
PROJECT NO. 1777449
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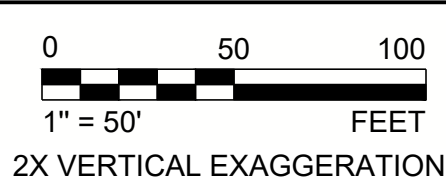
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A TEMPORARY POND A - SECTION A-A



B TEMPORARY POND A - SECTION B-B



LEGEND

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

HATCH LEGEND

- CCR / SOIL TO BE REMOVED
- PROPOSED SOIL FILL

NOTES

- THE FOCUS OF PHASE 1 IS TO REMOVE CCR FROM THE NORTHWEST LIMITS OF THE PROJECT IN THE AREA THAT IS OUTSIDE THE FINAL LIMITS OF ASH POND 3. THE PROPOSED GRADING DEPICTED IS BASED ON THE BEST AVAILABLE INFORMATION OF THE LIMITS OF CCR. HOWEVER, FIELD VERIFICATION OF THE COMPLETE REMOVAL OF CCR IN THIS AREA WILL BE REQUIRED.
- THE EXCAVATED AREA WILL SERVE AS TEMPORARY SEDIMENT POND A AND ULTIMATELY AS PERMANENT DETENTION POND 1, BOTH PROVIDING APPROXIMATELY 16.2 ACRE-Feet OF STORAGE FOR STORMWATER RUNOFF AND SEDIMENT CAPTURE. IN THIS PHASE, THE POND WILL NOT HAVE AN INLET OR OUTLET AS THE RECEIVING DITCHES HAVE NOT BEEN CONSTRUCTED. THEREFORE, WATER MANAGEMENT WILL REQUIRE PUMPS AND FORCEMAINS AS REQUIRED.
- ADDITIONAL CCR MAY EXIST AND SHALL BE EXCAVATED AS PER REMOVAL PROTOCOLS AND PLACED WITHIN FINAL LIMITS.

REFERENCES

- THE PRE-CLOSURE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 10-16-2012. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 10-26-12.
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FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

CLIENT
GEORGIA POWER COMPANY



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

TITLE
AP - 3/4 PHASE 1 DEVELOPMENT PLAN

CONSULTANT



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

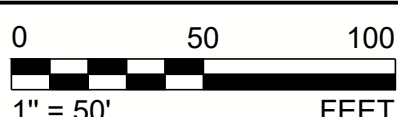
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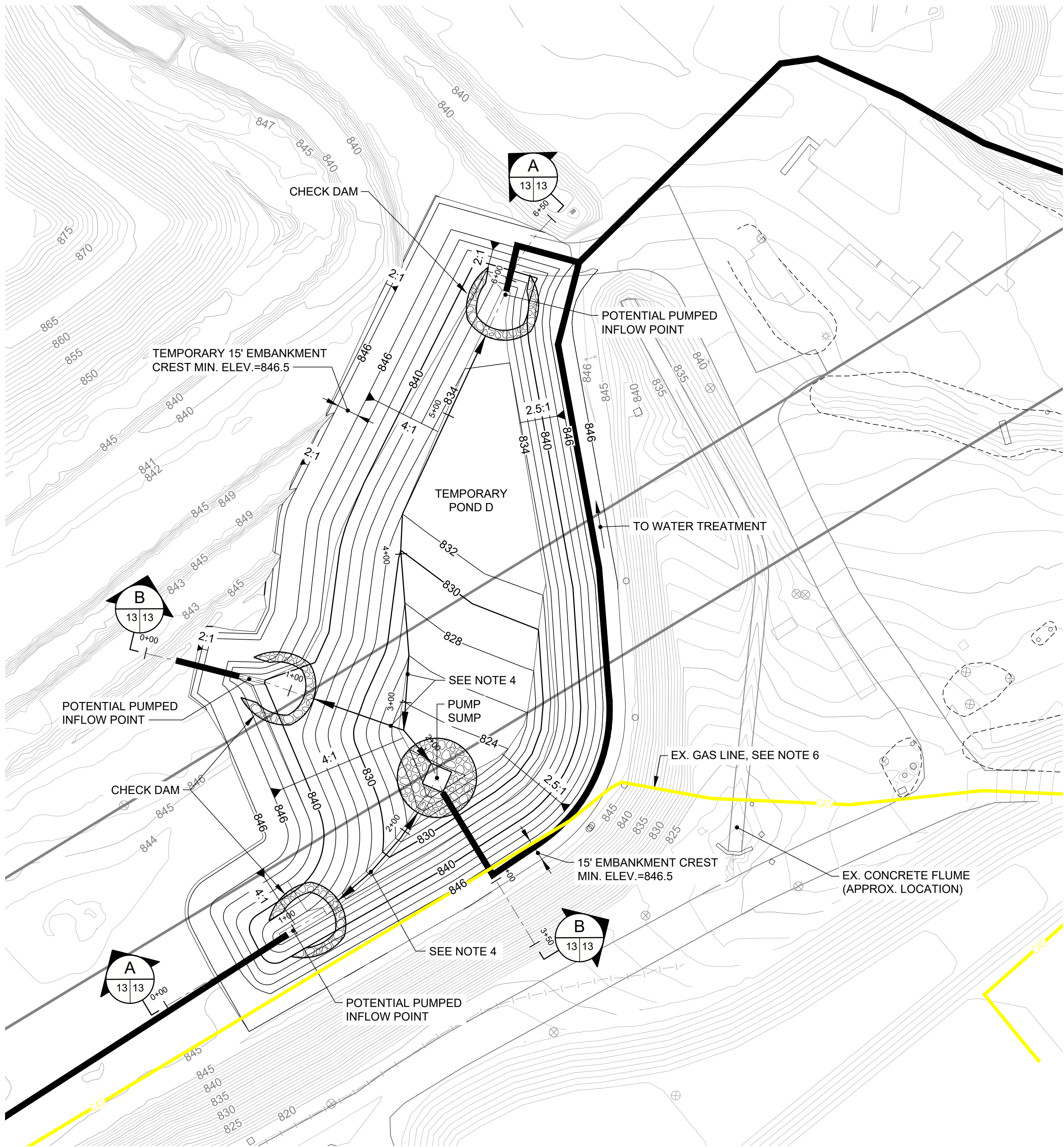
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1 TEMPORARY POND A PLAN



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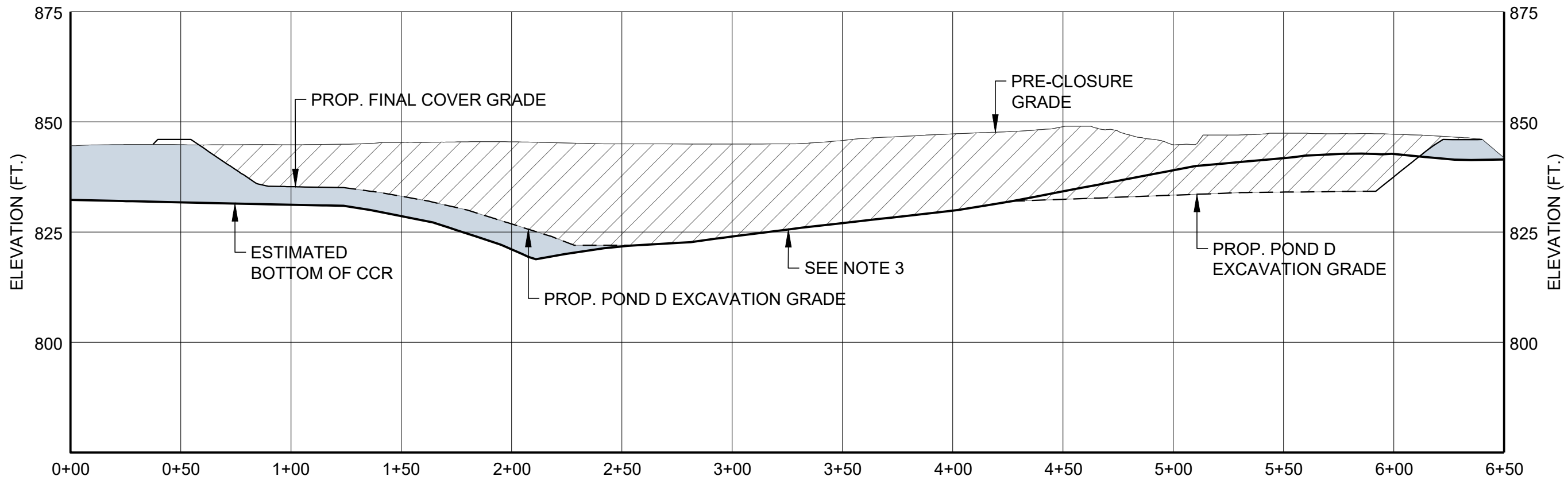
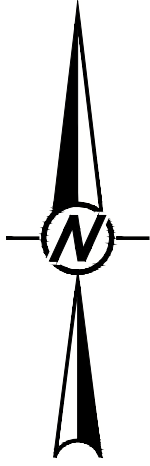
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13 13
0 50 100
1" = 50' FEET

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

HATCH LEGEND	
	CCR / SOIL TO BE REMOVED
	PROPOSED SOIL FILL
	CCR TO REMAIN

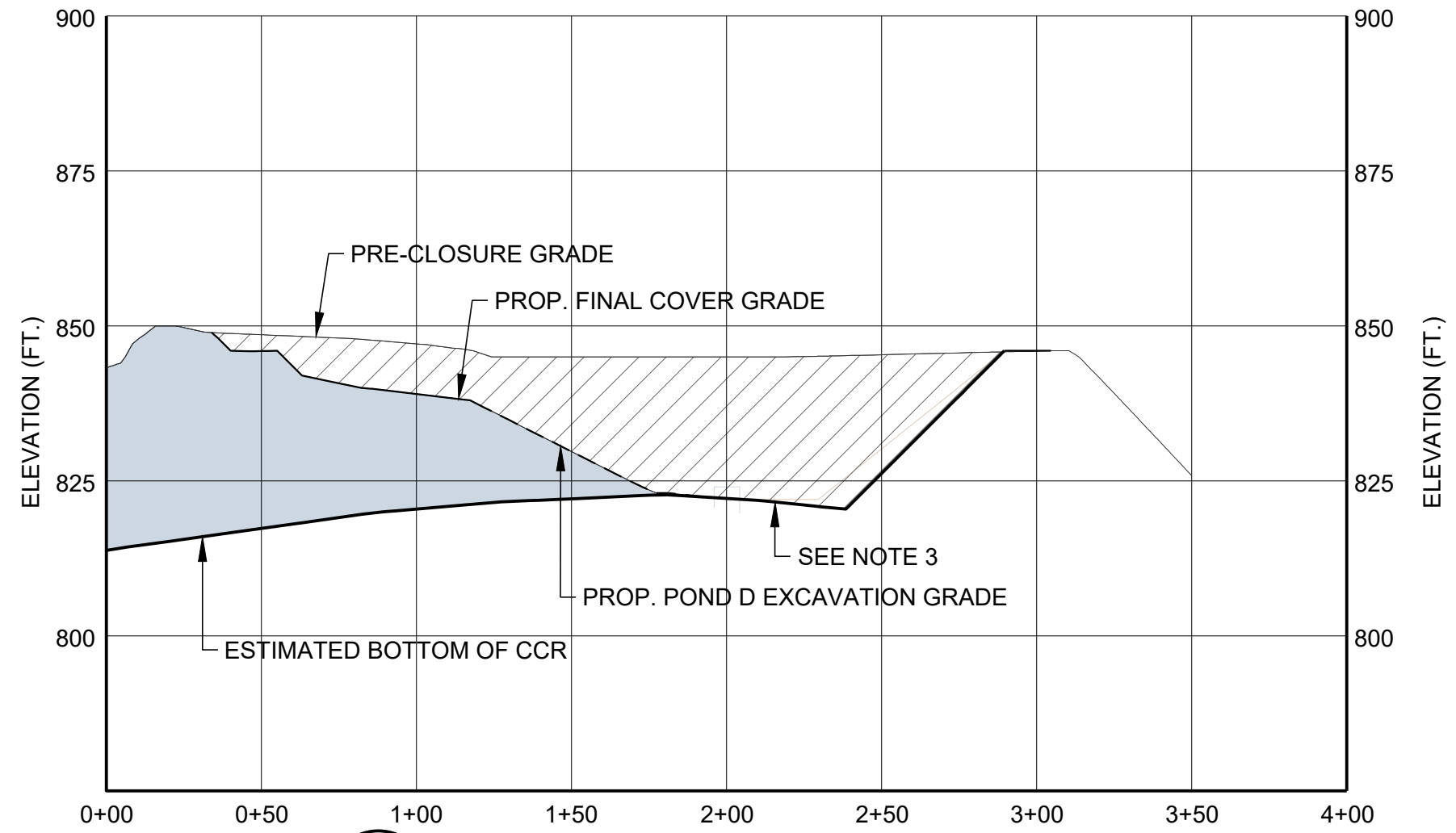
NOTES

- THE FOCUS OF PHASE 2 IS TO REMOVE CCR FROM THE SOUTHEAST LIMITS OF ASH POND 3 IN PREPARATION FOR STORMWATER MANAGEMENT IN THIS AREA. THE GRADING DEPICTED IS BASED ON PROPOSED FINAL GRADES. HOWEVER, PLEASE REFER TO THE SECTIONS ON THIS SHEET FOR ADDITIONAL INFORMATION REGARDING OVER-EXCAVATING AND REPLACEMENT WITH SOIL STRUCTURAL FILL IN THIS AREA.
- THE EXCAVATED AREA WILL SERVE AS TEMPORARY SEDIMENT POND D AND ULTIMATELY AS PERMANENT DETENTION POND 3, PROVIDING APPROXIMATELY 15.3 ACRE-FEET OF STORAGE FOR STORMWATER RUNOFF AND SEDIMENT CAPTURE. IN THIS PHASE, THE POND WILL NOT HAVE AN INLET OR OUTLET AS THE RECEIVING DITCHES HAVE NOT BEEN CONSTRUCTED. THEREFORE, WATER MANAGEMENT WILL REQUIRE PUMPS AND FORCEMAINS AS REQUIRED.
- IF ADDITIONAL CCR EXISTS BELOW LIMITS OF DETENTION POND, REPLACE WITH SOIL FILL BETWEEN LINES EXTENDING FROM INTERIOR DAM FACE AND FINAL CLOSURE SLOPE.
- THE WORK SHALL BE COORDINATED WITH WATER TREATMENT CONSULTANT AND GPC TO INSTALL AND MAINTAIN CHECK DAMS, FLOCCULATION POINTS AND OTHER SEDIMENT CONTROL FEATURES AS NEEDED.
- TOPOGRAPHY SHOWN WITHIN TEMPORARY POND ARE FINAL GRADES, FOR PERMANENT POND 3. CONTRACTOR IS GIVEN FLEXIBILITY TO MAKE MINOR ADJUSTMENT TO TEMPORARY POND GRADING AS NEEDED TO BEST MANAGE CONSTRUCTION, AS LONG AS THE MINIMUM STORAGE AND PERIMETER DAM ARE MAINTAINED.
- 24 INCH DIAMETER NATURAL GAS FEED FOR POWER PLANT RUNS WITHIN SOUTHERN PORTION OF EXISTING ASH POND 3 PERIMETER BERM. NO WORK WITHIN 50 FEET OF THIS LINE WITHOUT NOTIFICATION OF AND APPROVAL OF OWNER.



A TEMPORARY POND D - SECTION A-A
13 13

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



B TEMPORARY POND D - SECTION B-B
13 13

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

REFERENCES

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CLIENT
GEORGIA POWER COMPANY



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

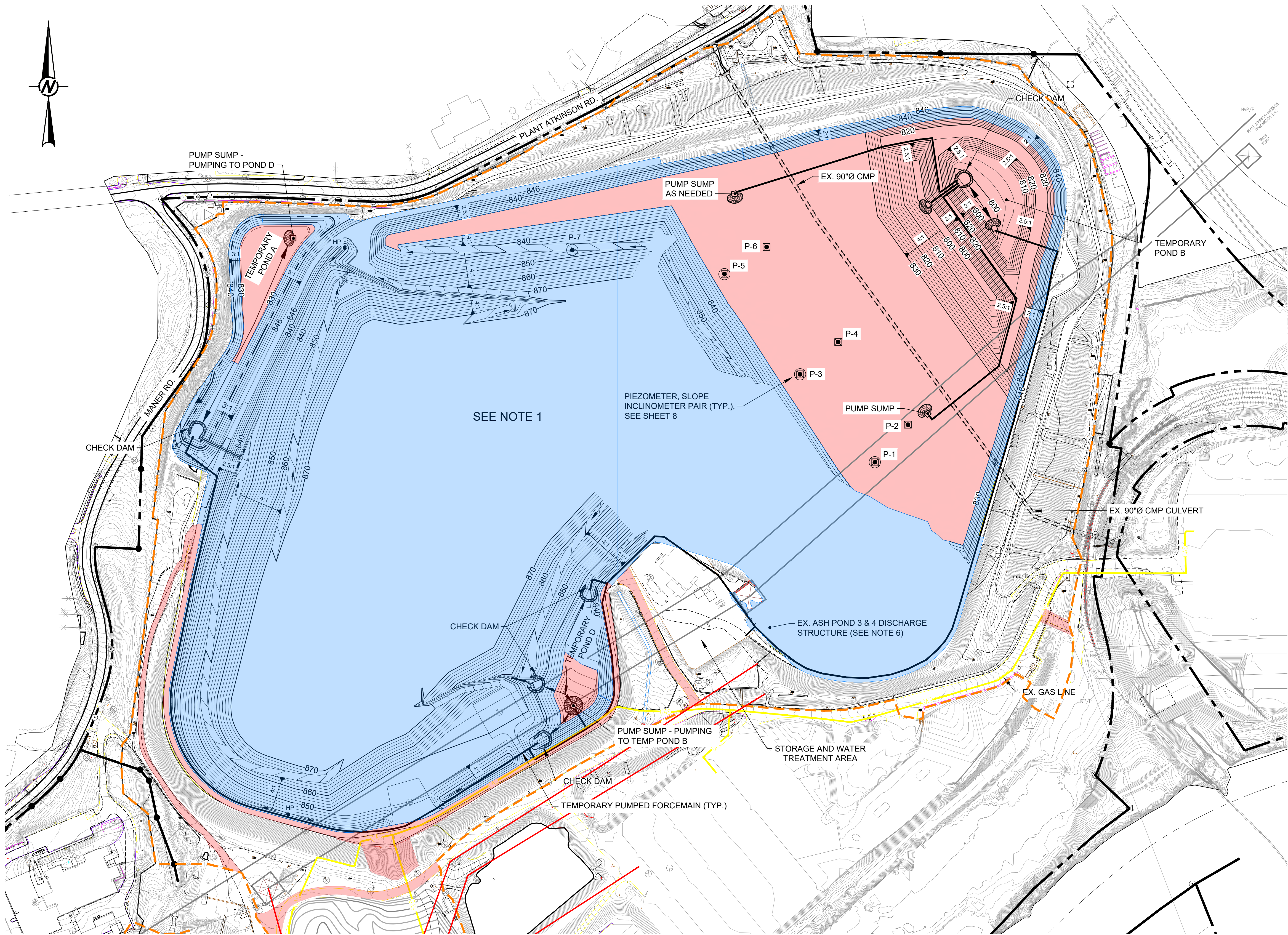
CONSULTANT		YYYY-MMM	2025-FEB
	DESIGNED	GLH	
	PREPARED	RMS	
	CHECKED	MP	
	REVIEWED / APPROVED	GLH	

PROJECT NO. 1777449 REV. 0 SHEET 13



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

Path: \\corp.plbwan.net\USCentral\Draws\ASLT\2020\Cad\Southern Company\1777449 Plant McDonough\Permitting\AP-3/4 - AP-2\AP-3/4\PRODUCTION\1 File Name: 1777449 14 GRADE PHASE 03.dwg



NOTES

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

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

CLIENT
GEORGIA POWER COMPANY



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

TITLE
AP - 3/4 PHASE 3 DEVELOPMENT PLAN

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

PROJECT NO. 1777449 REV. 0 SHEET 14

REFERENCES

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

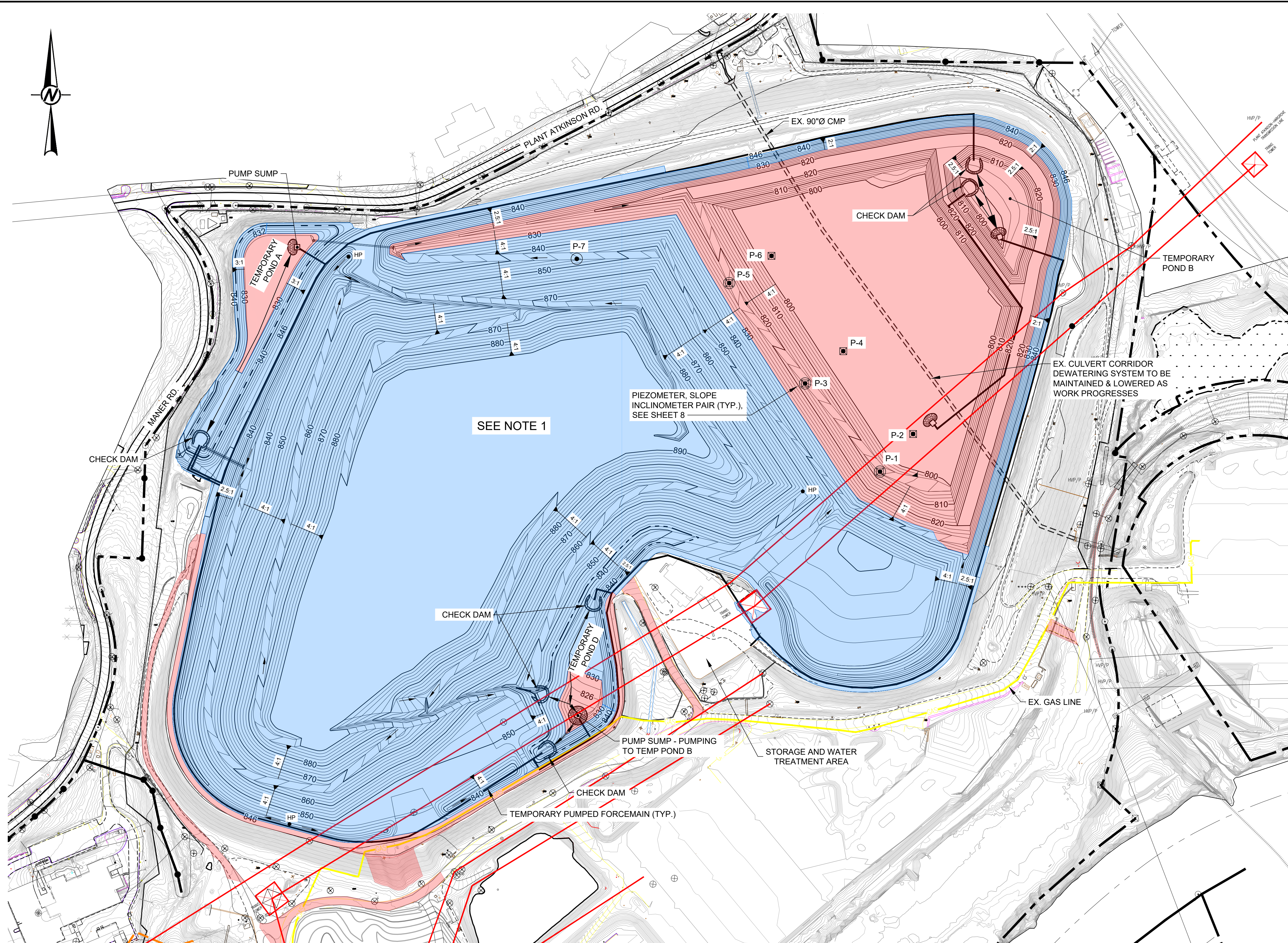
LEGEND

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

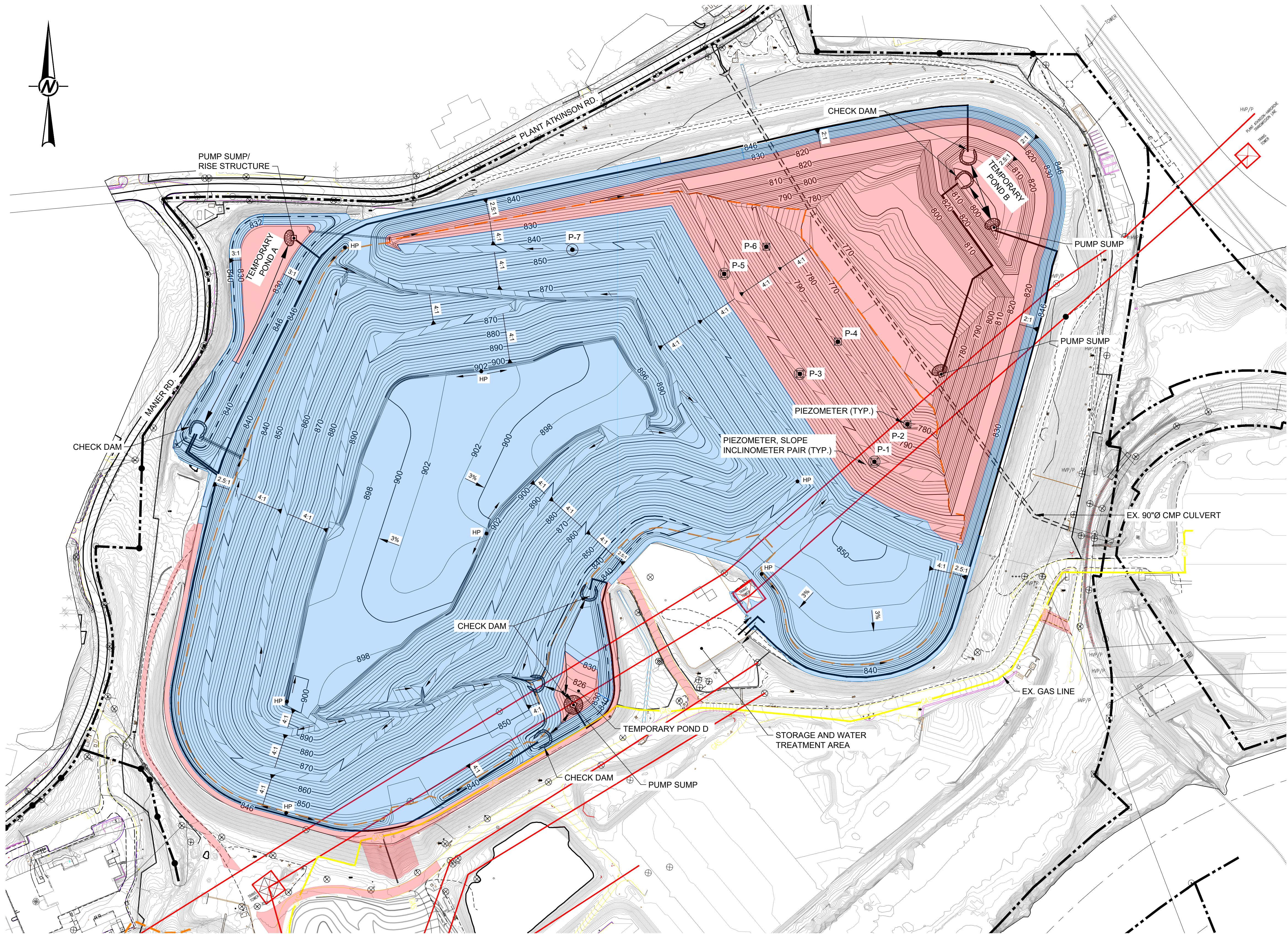
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1" = 150' FEET



IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM "ANSI D 11" x 17" TO "ANSI D 11" x 17" x 1/4" (11" x 17" x 1/4")



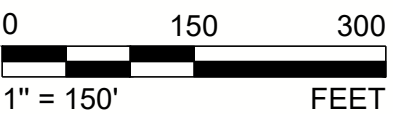
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NOTES

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

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION



REFERENCES

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

LEGEND

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



CLIENT
GEORGIA POWER COMPANY



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

TITLE
AP - 3/4 PHASE 5 DEVELOPMENT PLAN

CONSULTANT



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

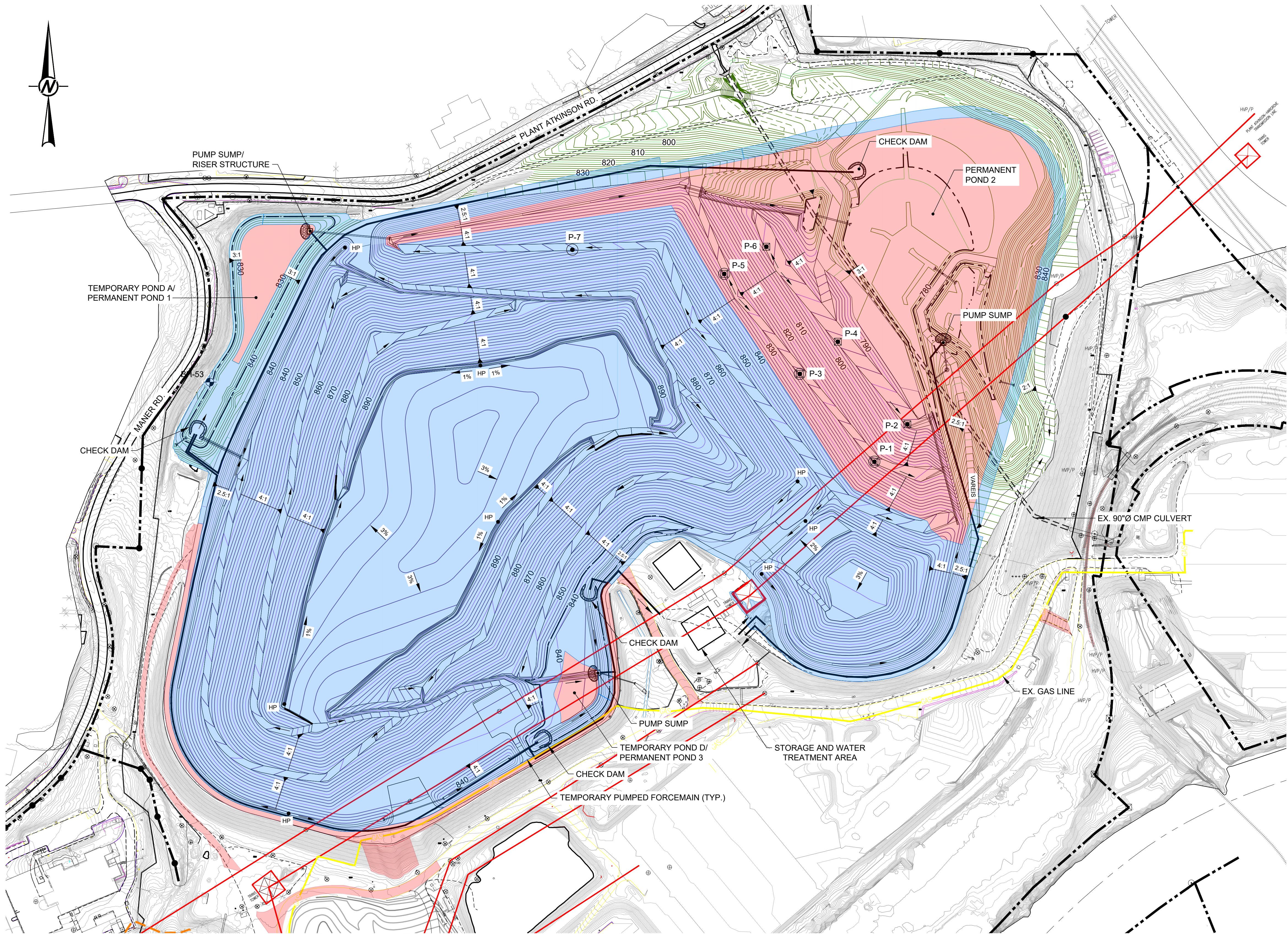
PROJECT NO.
1777449

REV.
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SHEET
16

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

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REFERENCES

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

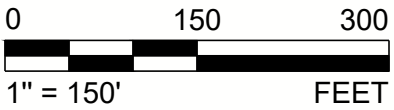
LEGEND

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

NOTES

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

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION



CLIENT
GEORGIA POWER COMPANY



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

TITLE
AP - 3/4 PHASE 6 DEVELOPMENT PLAN

CONSULTANT



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

PROJECT NO.
1777449

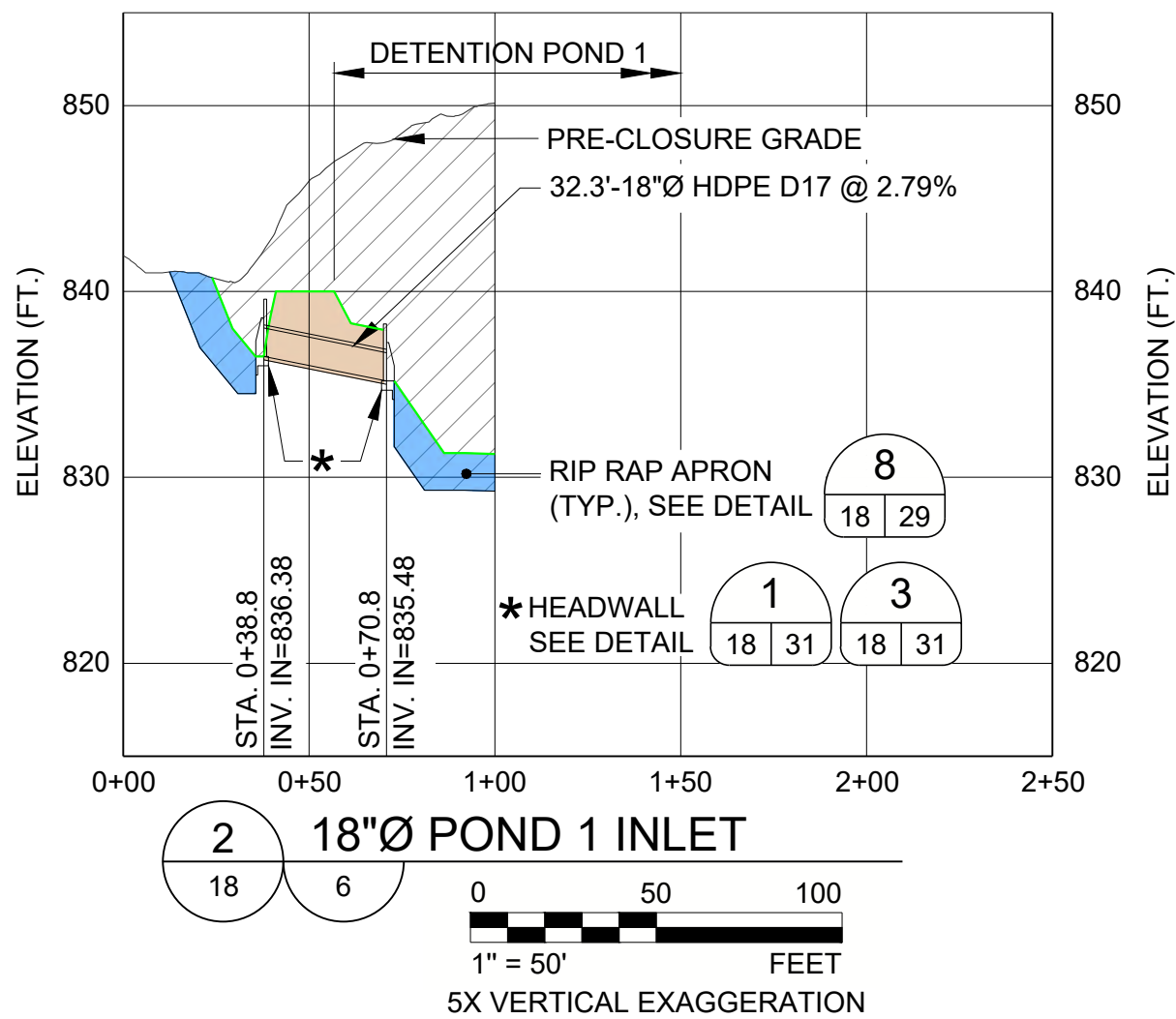
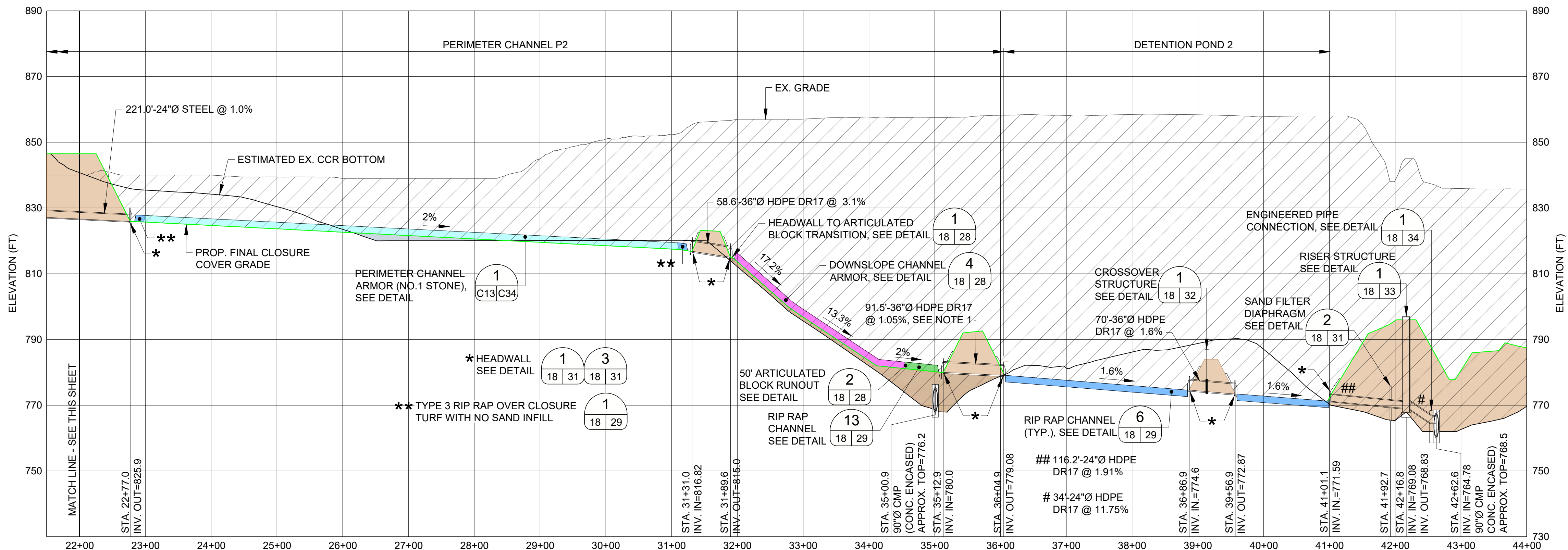
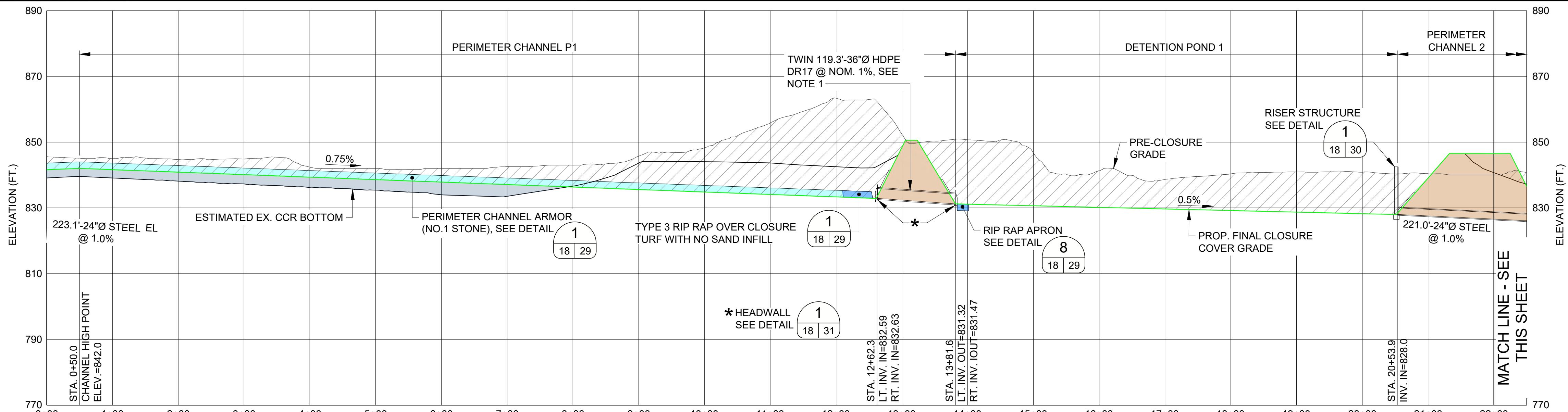
REV.
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SHEET
17



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

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1 PERIMETER CHANNELS P1 & P2

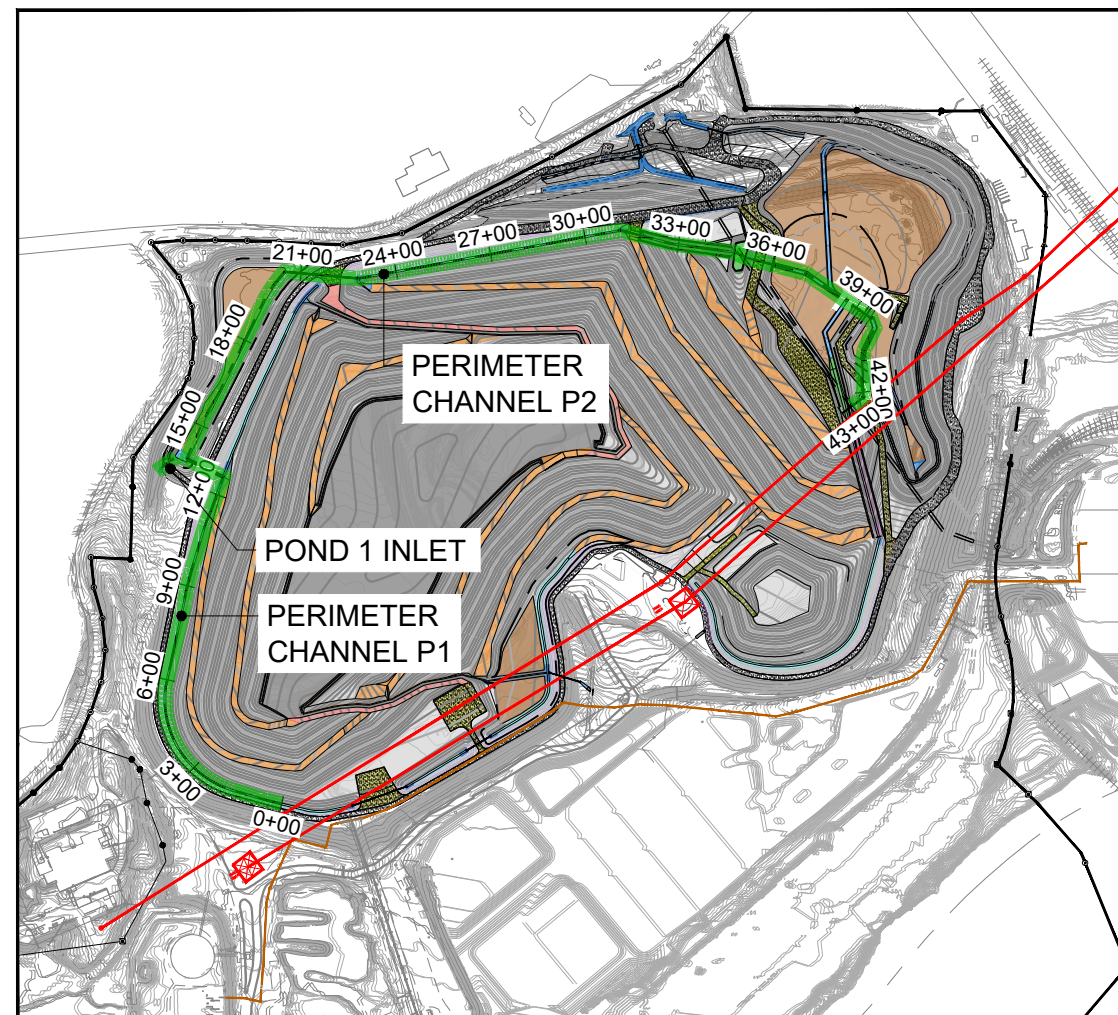
NOTES

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

REFERENCES

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

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



KEY MAP

LEGEND

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

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

CLIENT
GEORGIA POWER COMPANY



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

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

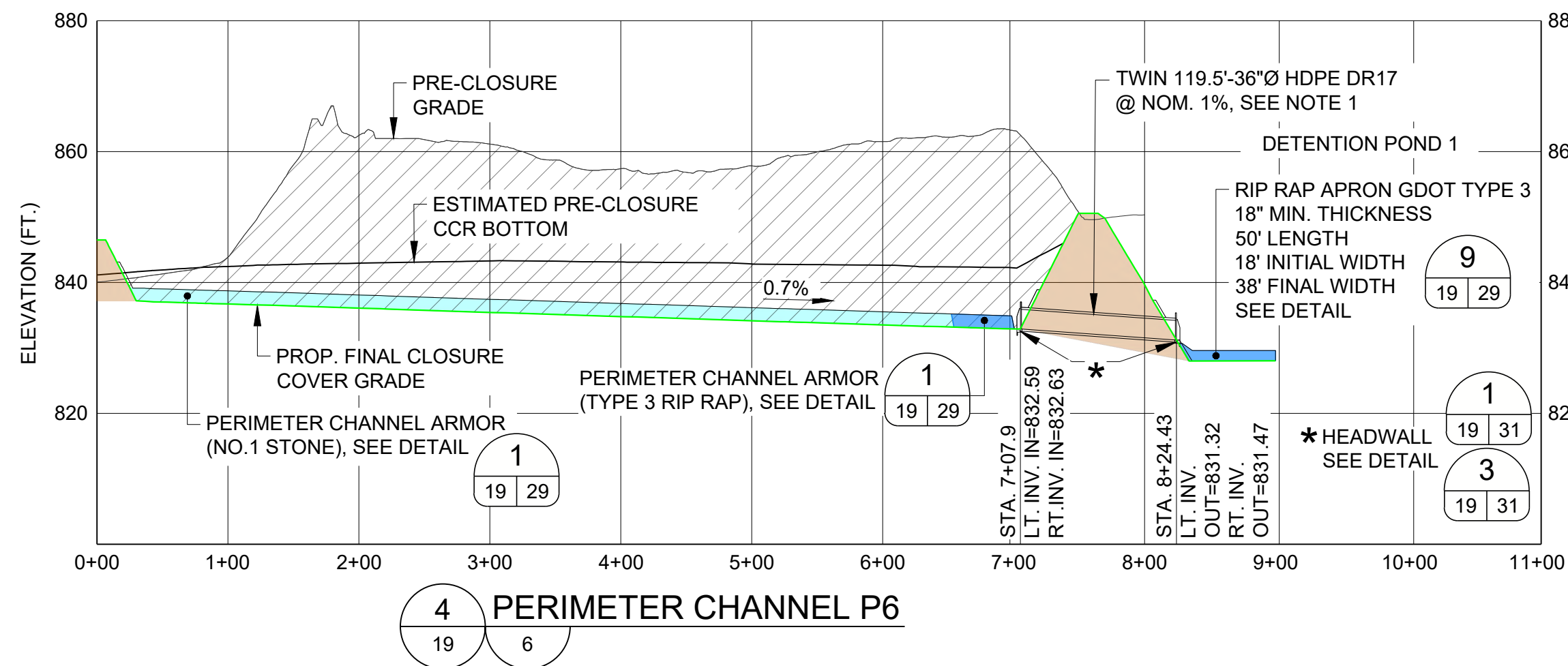
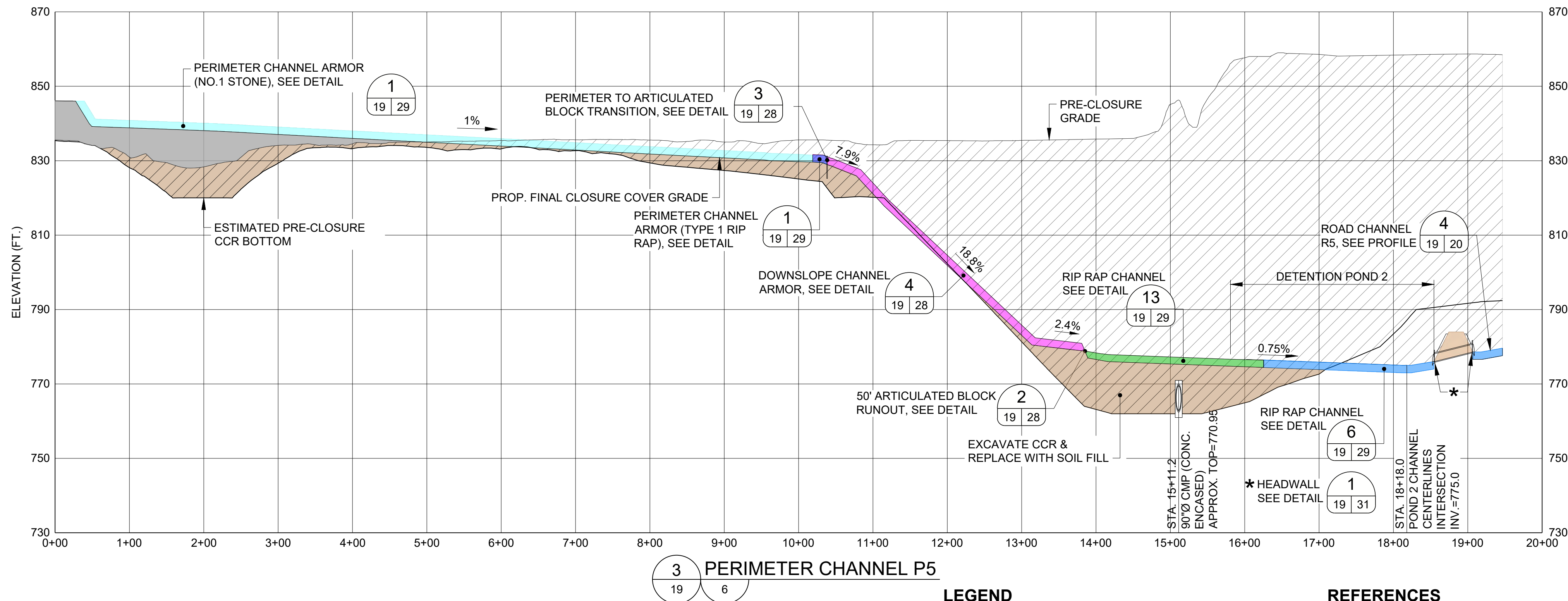
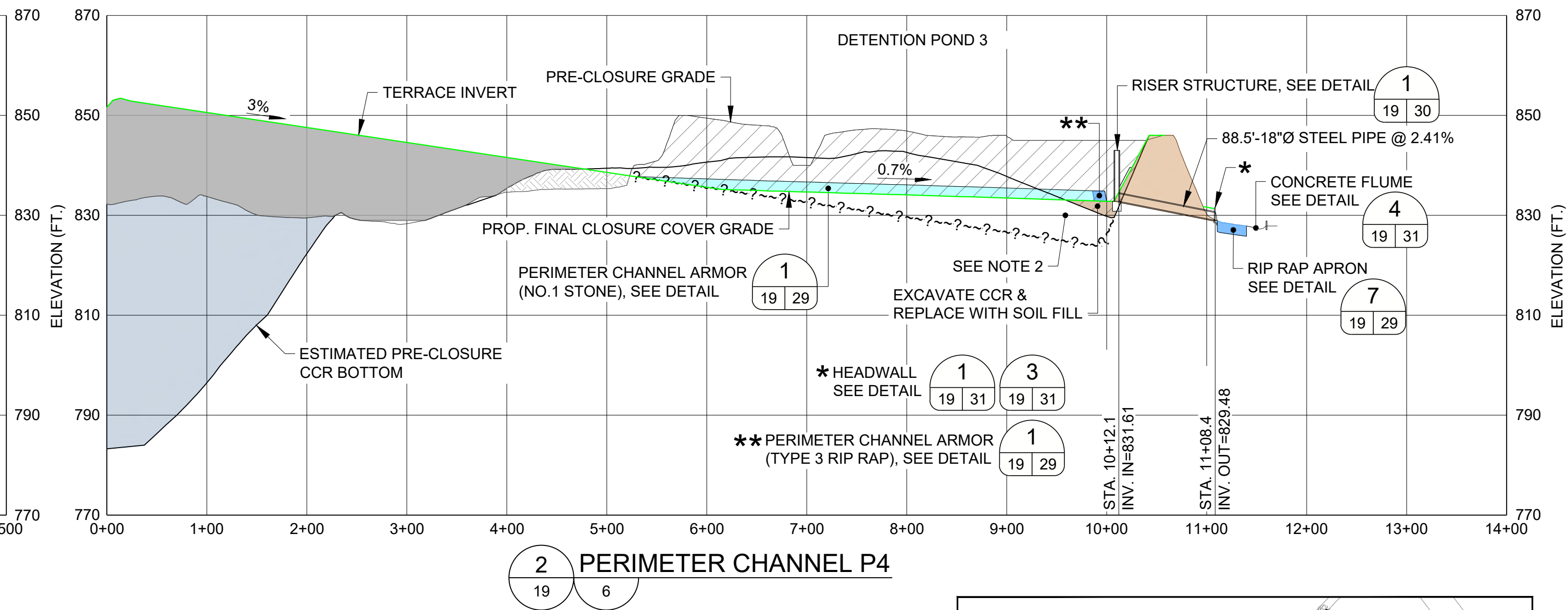
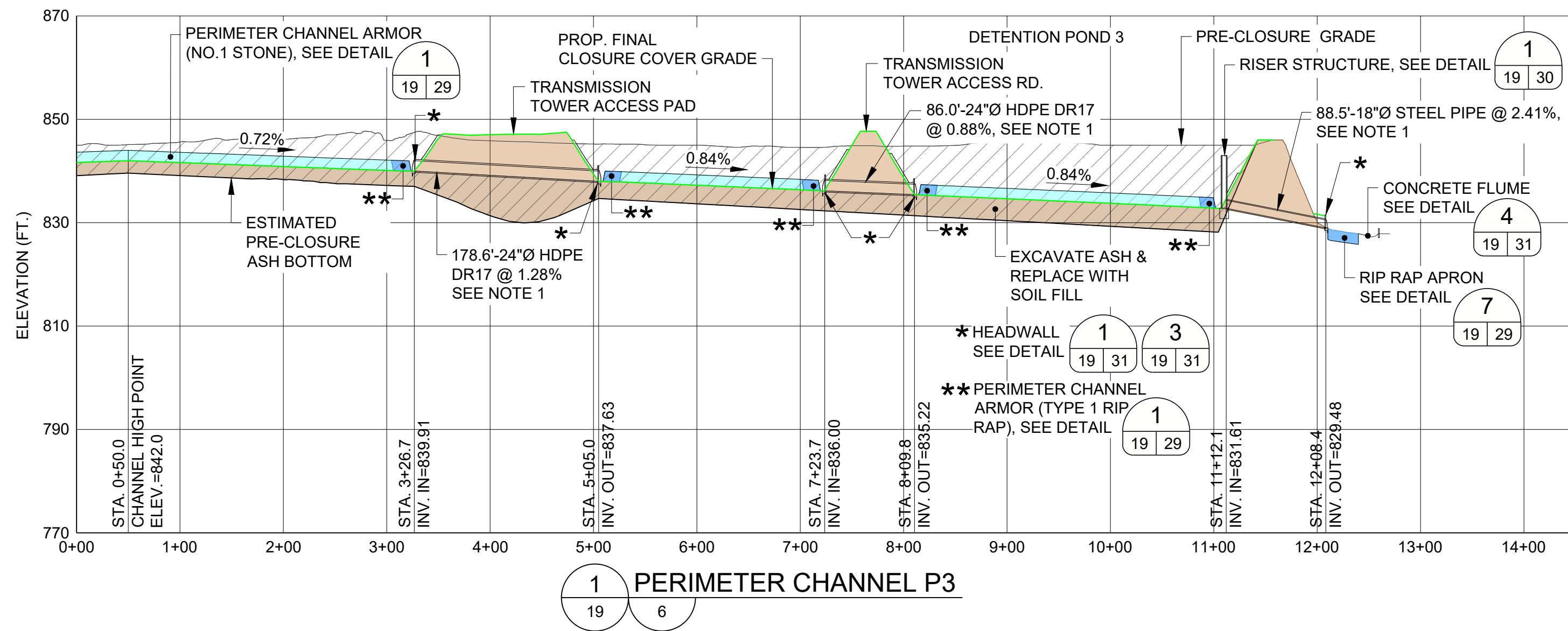
CONSULTANT	YYYY-MMM	2025-FEB
	DESIGNED	GLH
	PREPARED	AVR
	CHECKED	MP
	REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 REV. 0 SHEET 18



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

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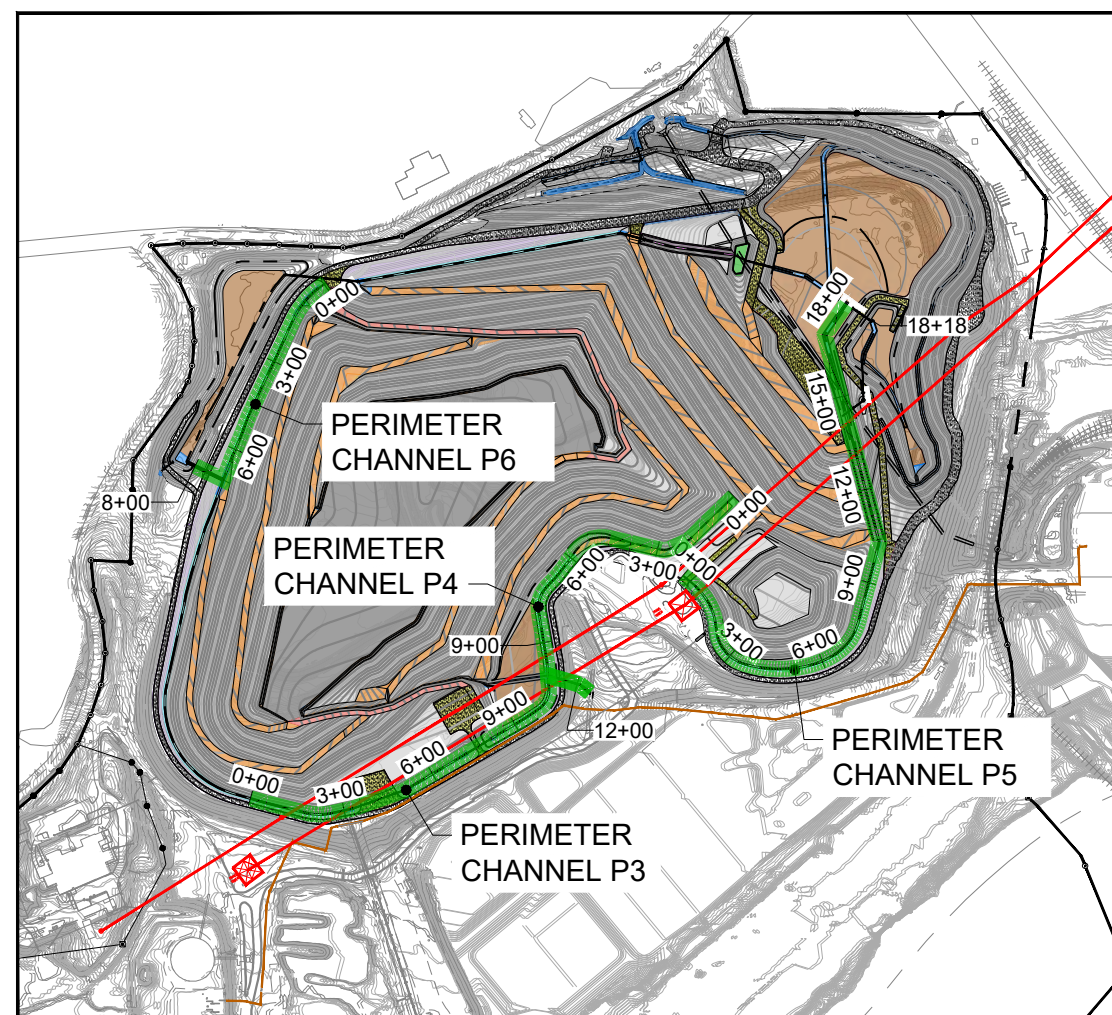
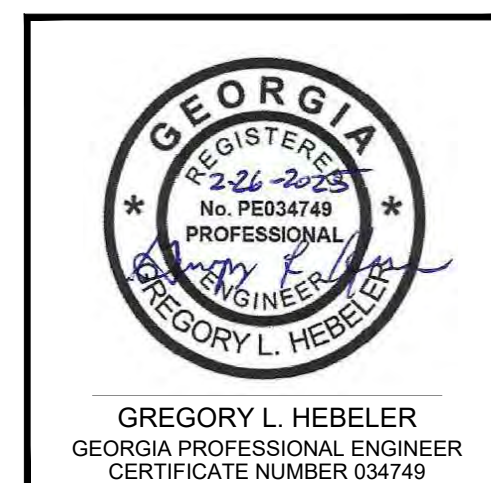
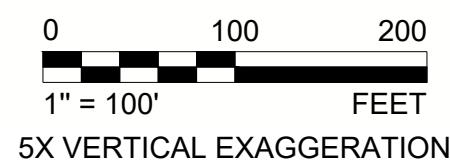


LEGEND

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

REFERENCES

1. THE PRE-CLOSURE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO. INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 10-16-2012. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 10-26-12. PROJECT NO. 13225 - 01-13-2013."
2. REVISED PRE-CLOSURE TOPOGRAPHY & CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA POWER LAND DEPARTMENT. THE DATA SHOWN IS AN UPDATE TO THE PLANS DONE ON 10-16-2012 & THE ONSITE CHANGES SINCE THAT 2012 SURVEY. THE REVISED SURVEY WAS DONE ON 1-12-2016 & MERGED WITH THE DATA ON 10-16-2012. GEORGIA POWER COMPANY PLANT MCDONOUGH ASH PONDS - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF SURVEY 1-12-2016 - LAND ENG. PROJECT # 20160020.



KEY MAP

NOTES

1. CULVERT TO BE INSTALLED SO THAT NO ASH IS WITHIN 5 FOOT MINIMUM RADIAL DISTANCE AROUND PIPE.
2. IF ADDITIONAL ASH EXISTS BELOW LIMITS OF DETENTION POND EXCAVATE PER REMOVAL PROTOCOLS AND REPLACE WITH SOIL FILL BETWEEN LINES EXTENDING FROM INTERIOR DAM FACE AND FINAL CLOSURE SLOPE.

**FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION**

CLIENT
GEORGIA POWER COMPANY



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

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

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

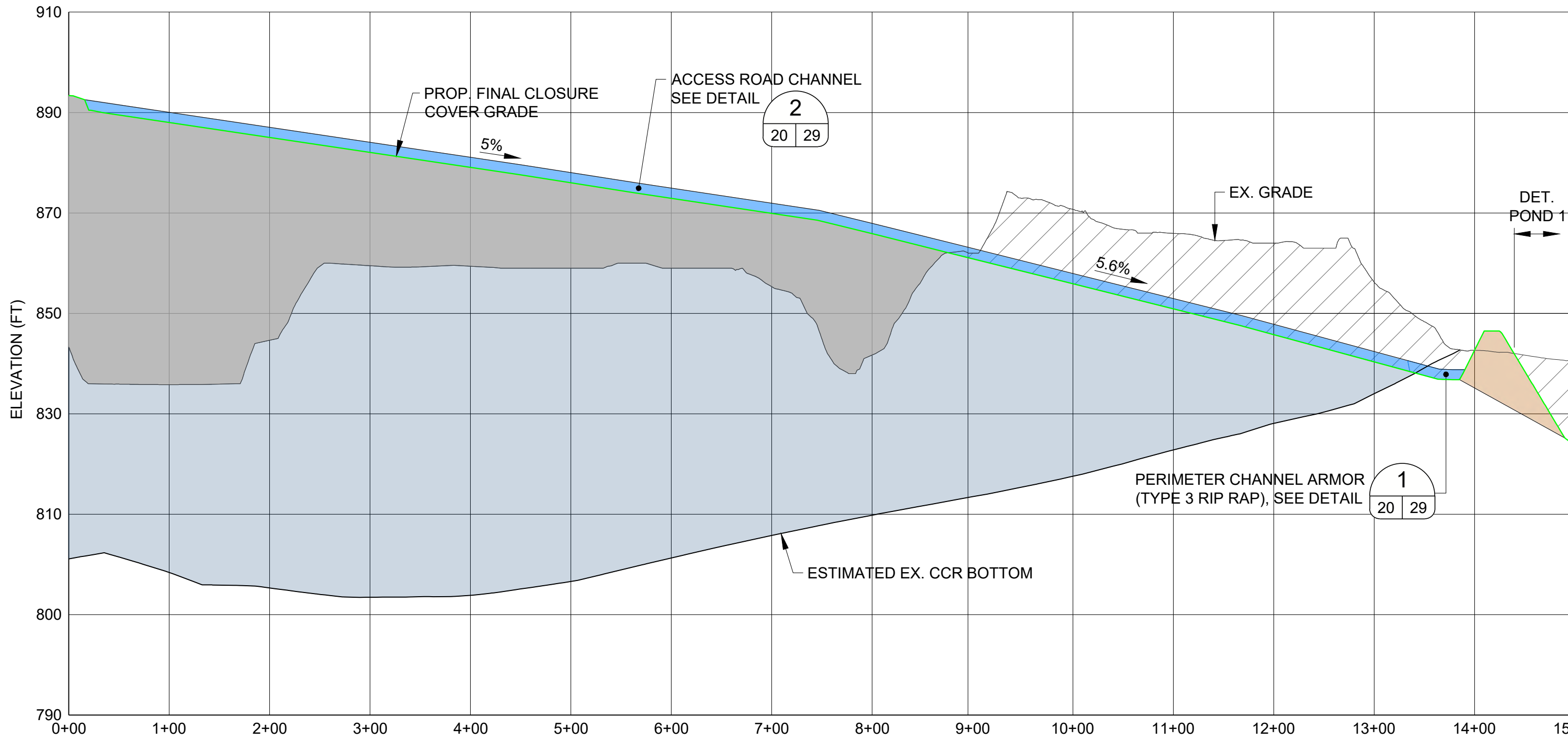
PROJECT NO.
1777449

REV.
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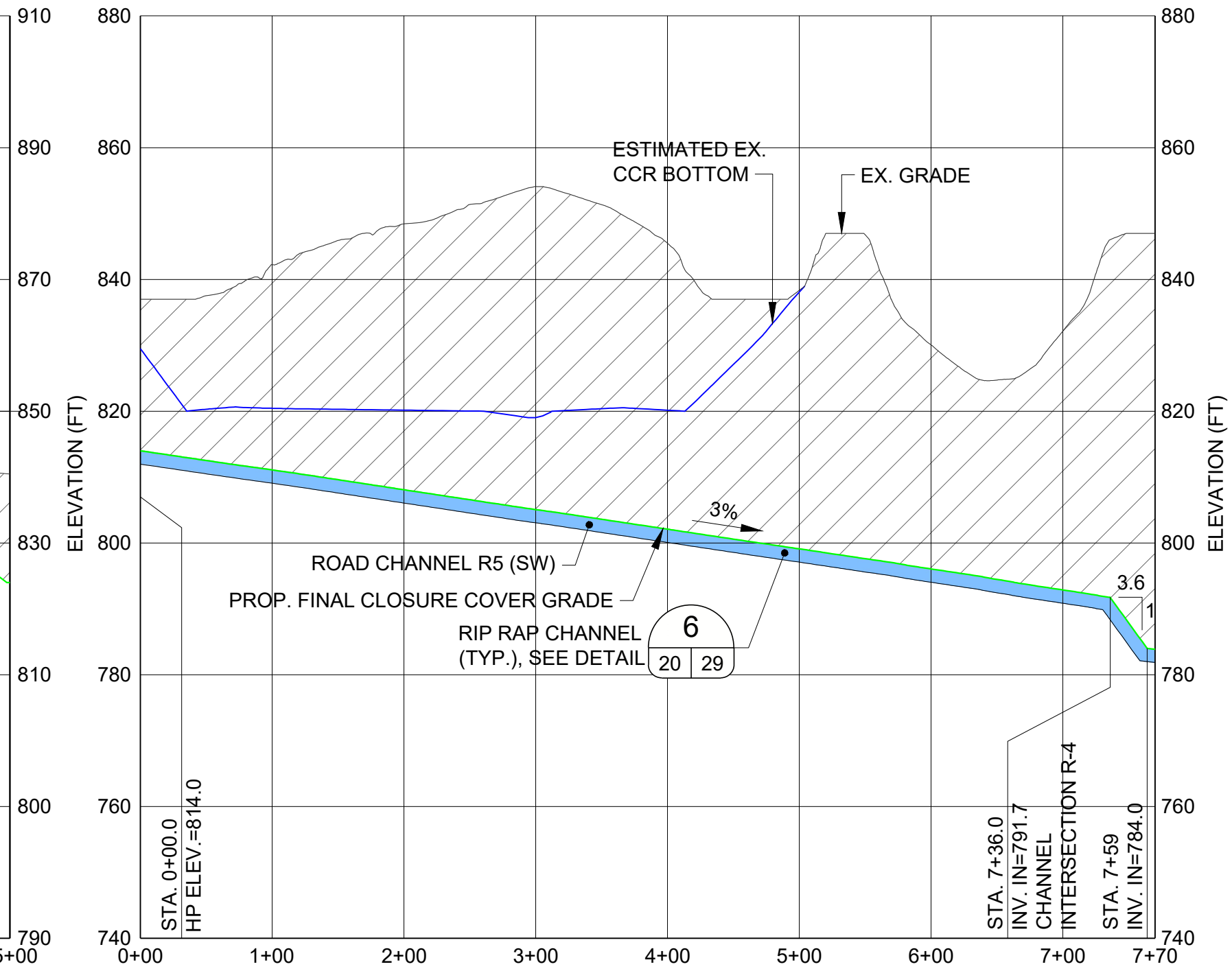
SHEET
19

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

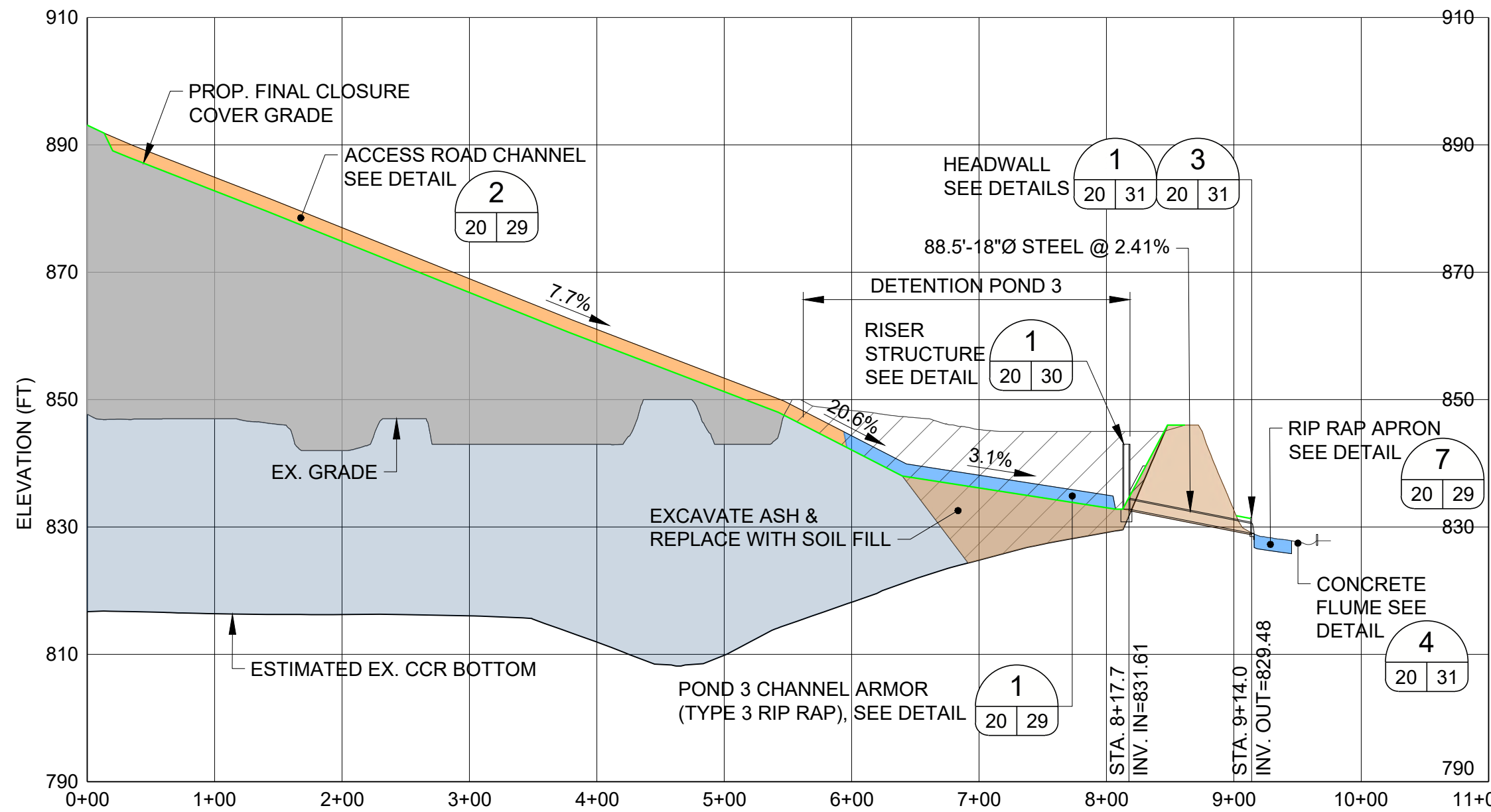
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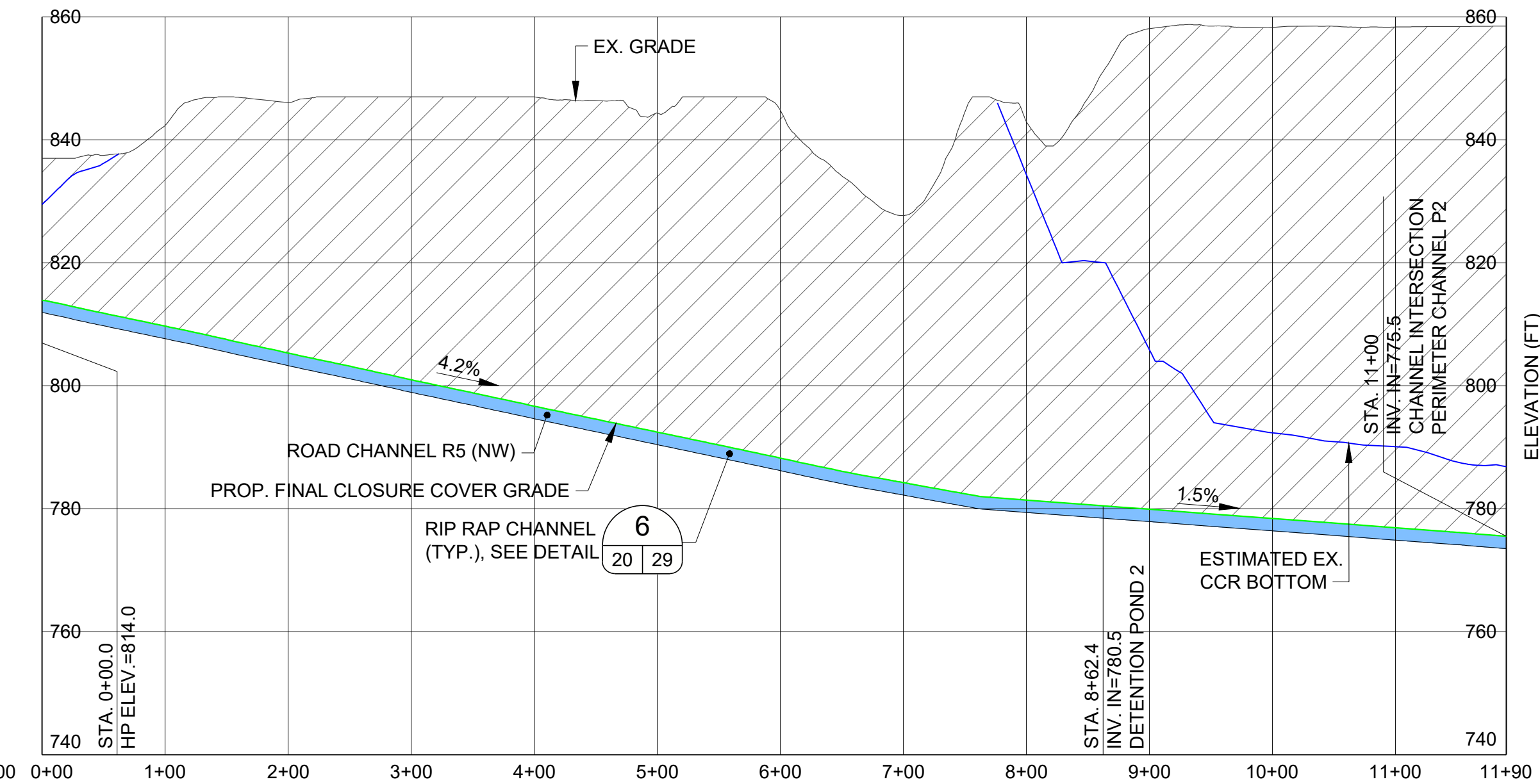
2 ROAD CHANNEL R2
20 6



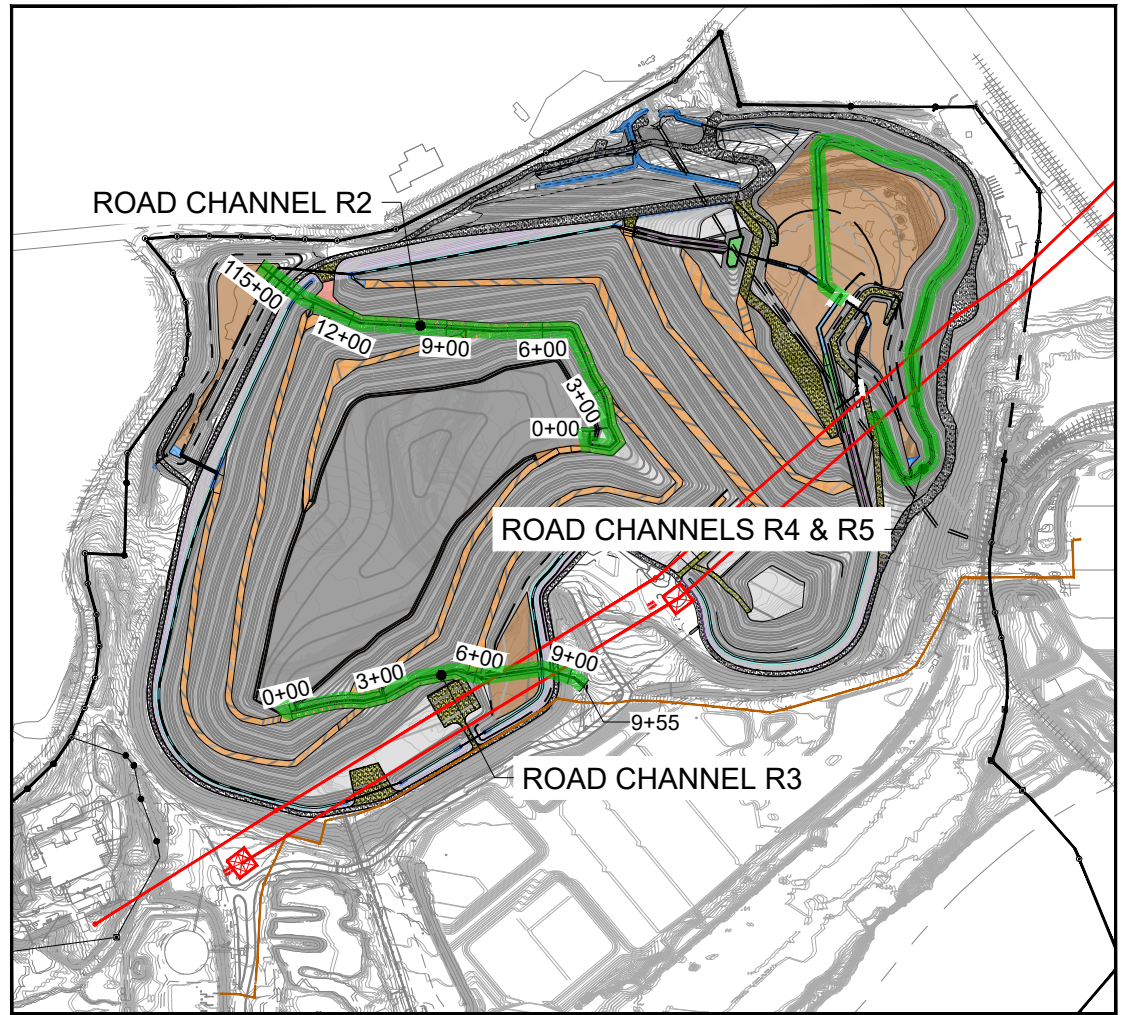
4 ROAD CHANNEL R5 (SW)
20 6



3 ROAD CHANNEL R3
20 6



5 ROAD CHANNEL R5 (NW)
20 6



KEY MAP

LEGEND

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

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

CLIENT
GEORGIA POWER COMPANY



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

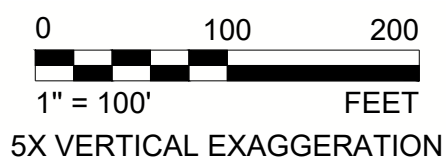
TITLE
AP - 3/4 CHANNEL PROFILES - SHEET 3 OF 3

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

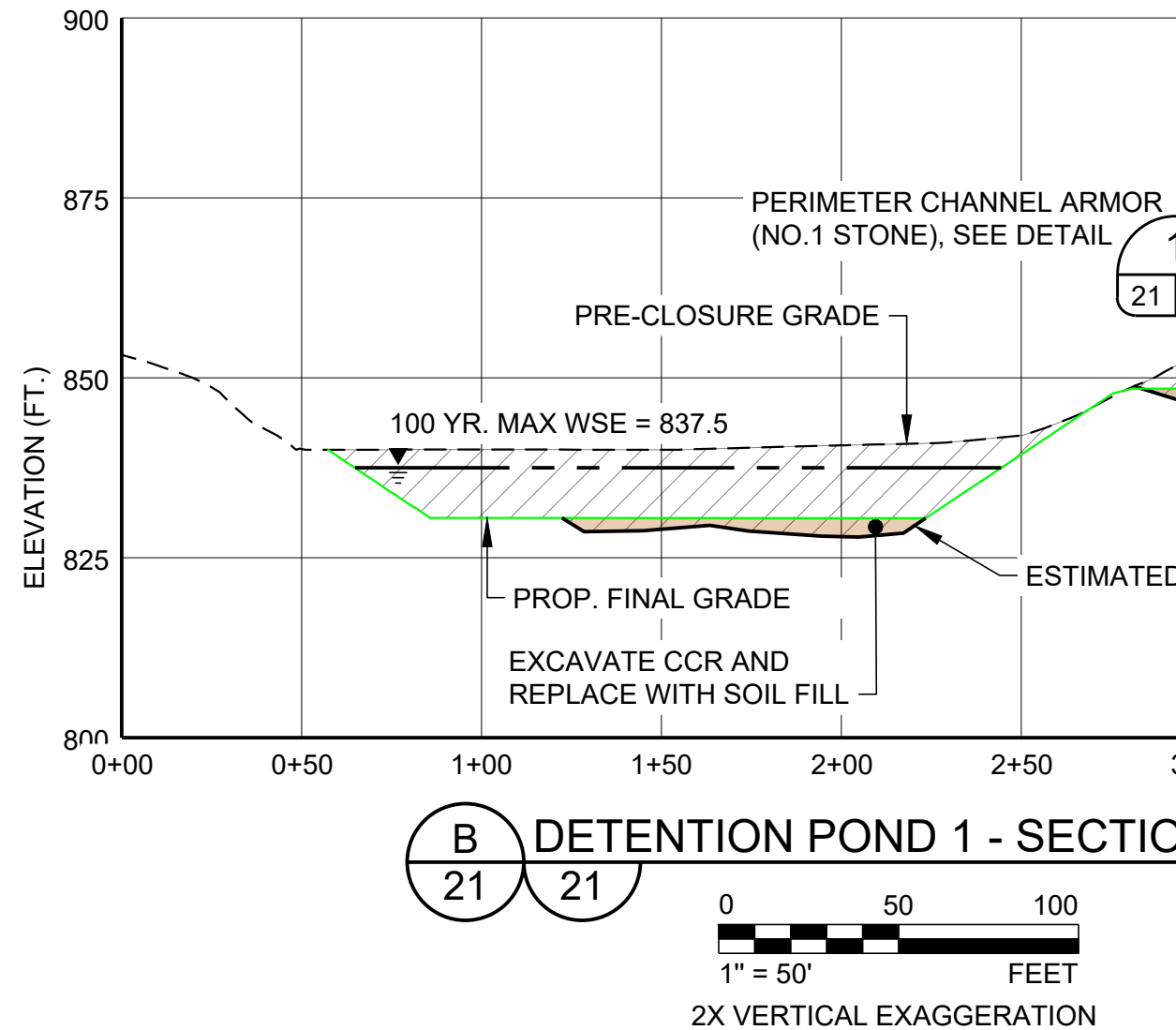
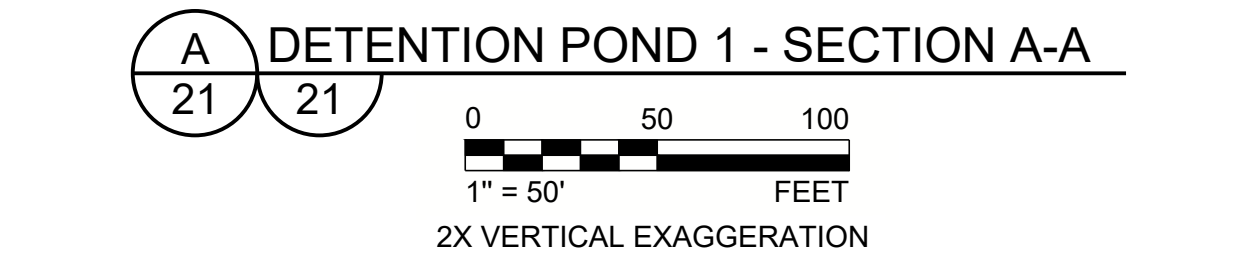
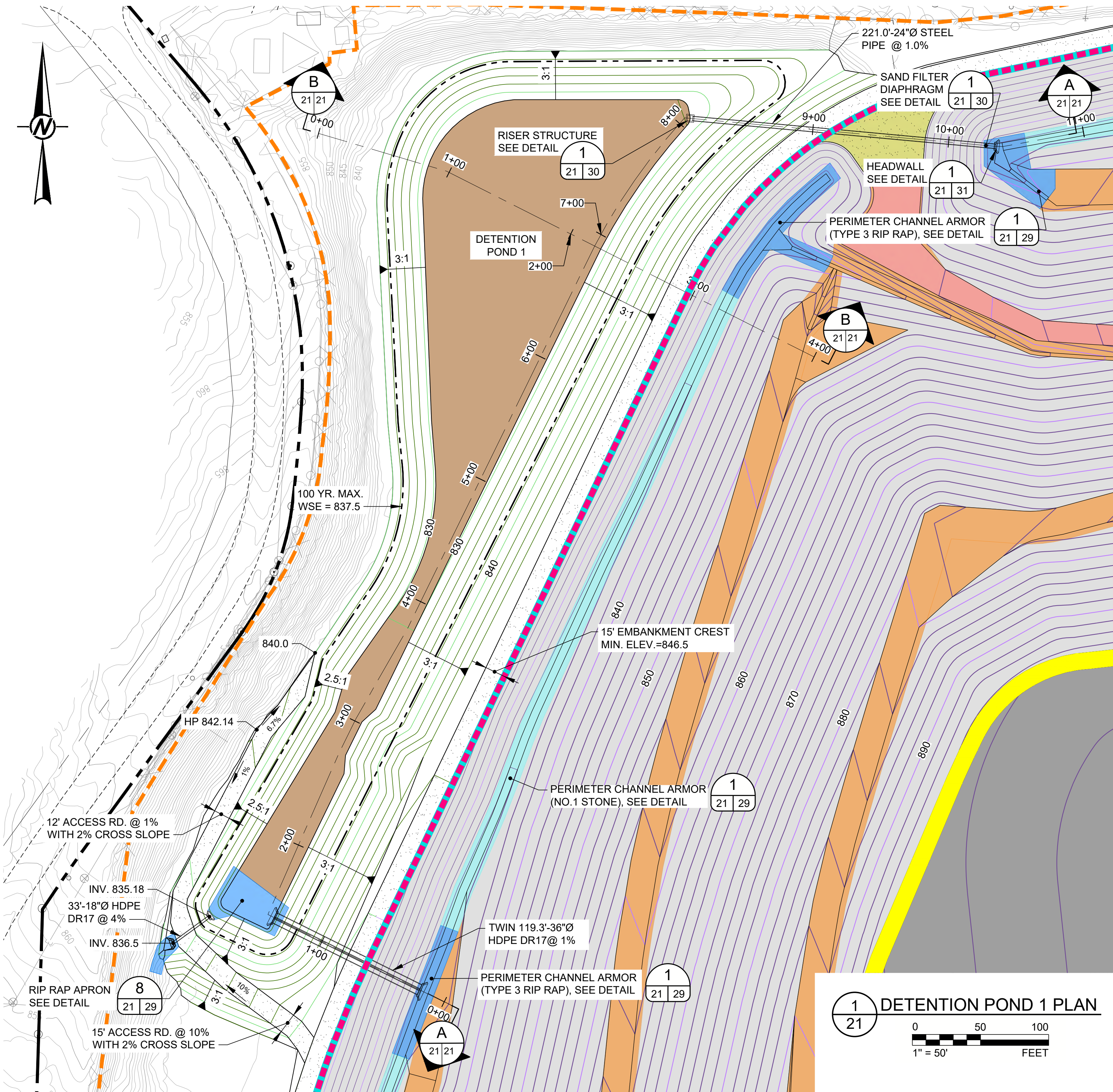
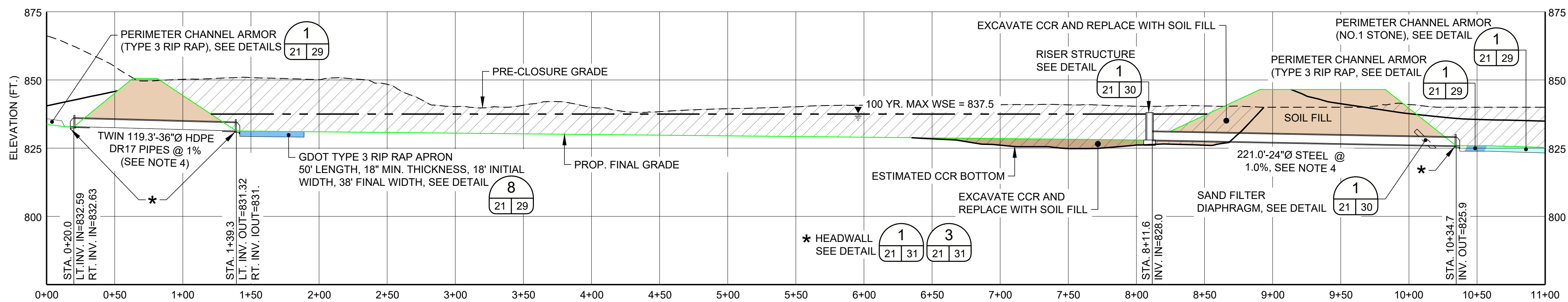
PROJECT NO. 1777449 REV. 0 SHEET 20

REFERENCES

1. THE PRE-CLOSURE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 10-16-2012. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 10-26-12. PROJECT NO. 13225 - 01-13-2013."
2. REVISED PRE-CLOSURE TOPOGRAPHY & CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA POWER LAND DEPARTMENT. THE DATA SHOWN IS AN UPDATE TO THE PLANS DONE ON 10-16-2012 & THE ONSITE CHANGES SINCE THAT 2012 SURVEY. THE REVISED SURVEY WAS DONE ON 1-12-2016 & MERGED WITH THE DATA ON 10-16-2012. GEORGIA POWER COMPANY PLANT MCDONOUGH ASH PONDS - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF SURVEY 1-12-2016 - LAND ENG. PROJECT # 20160020.



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

REFERENCES

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

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LEGEND

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

NOTES

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

**FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION**

CLIENT
GEORGIA POWER COMPANY

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

TITLE
AP - 3/4 DETENTION POND 1 DETAILS

CONSULTANT
WSP

PROJECT NO.
1777449

REV.
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SHEET
21

DATE
2025-FEB

DESIGNED
GLH

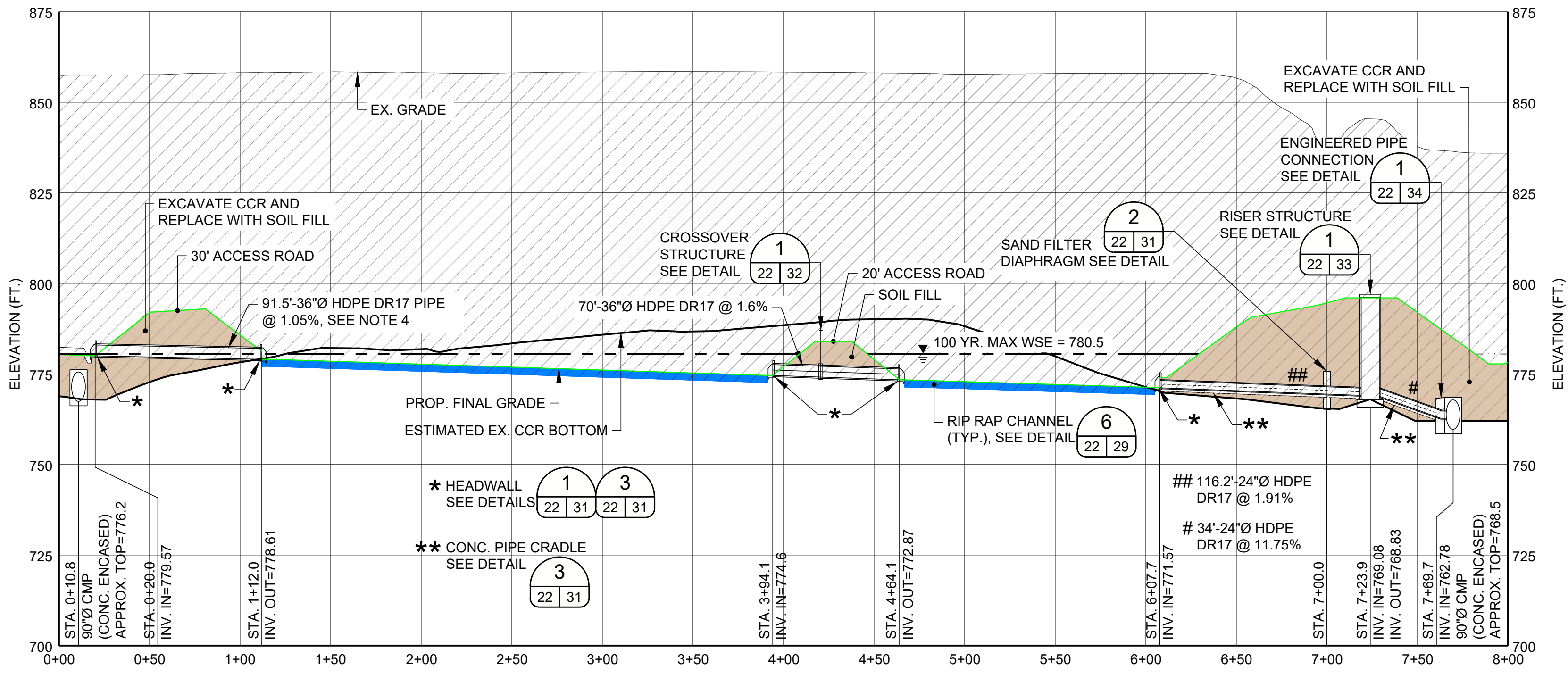
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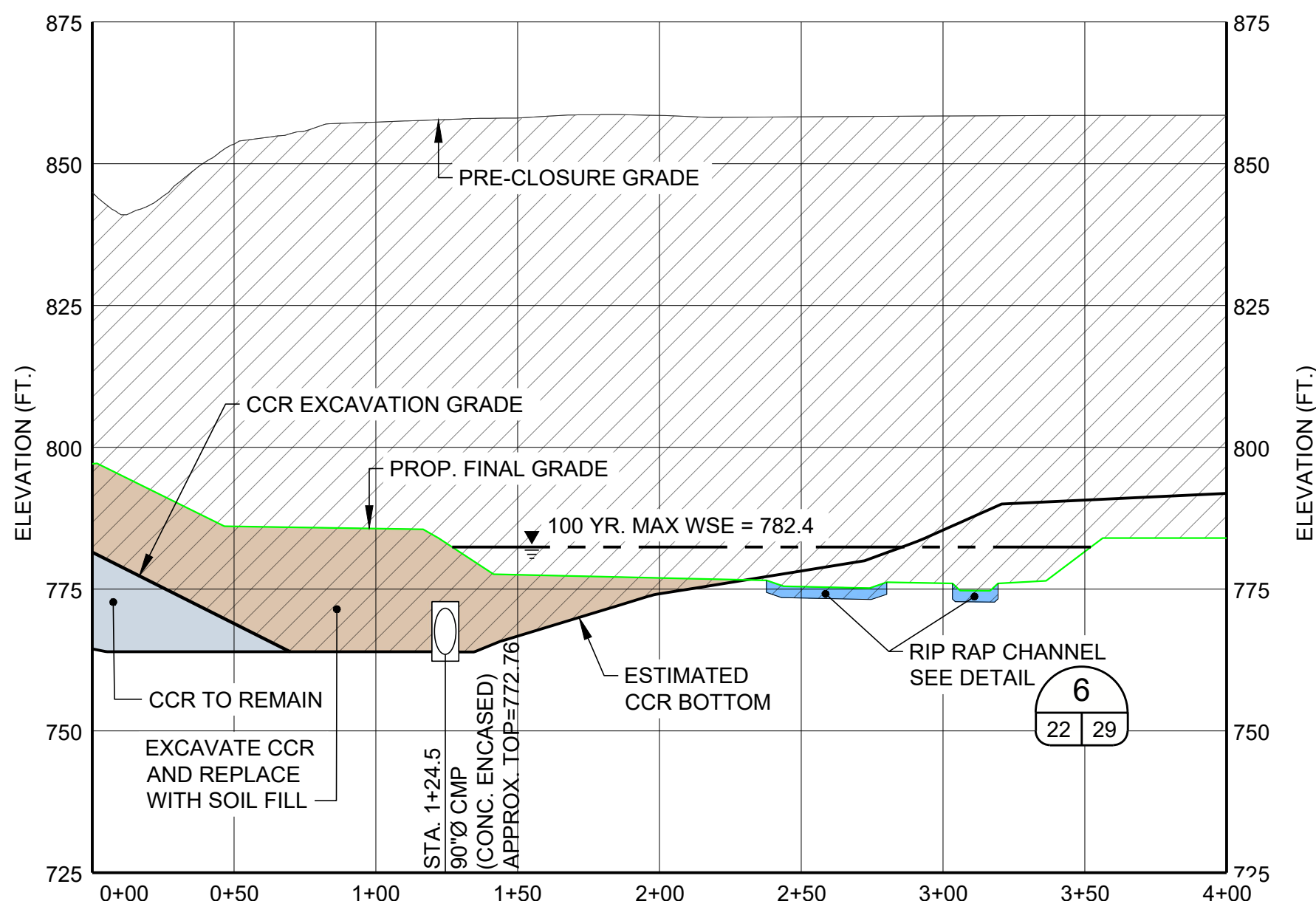
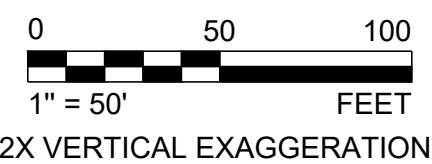
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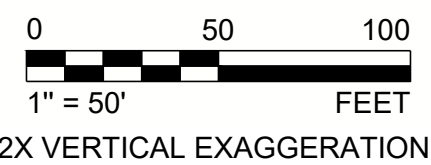
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A DETENTION POND 2 - SECTION A-A



B DETENTION POND 2 - SECTION B-B

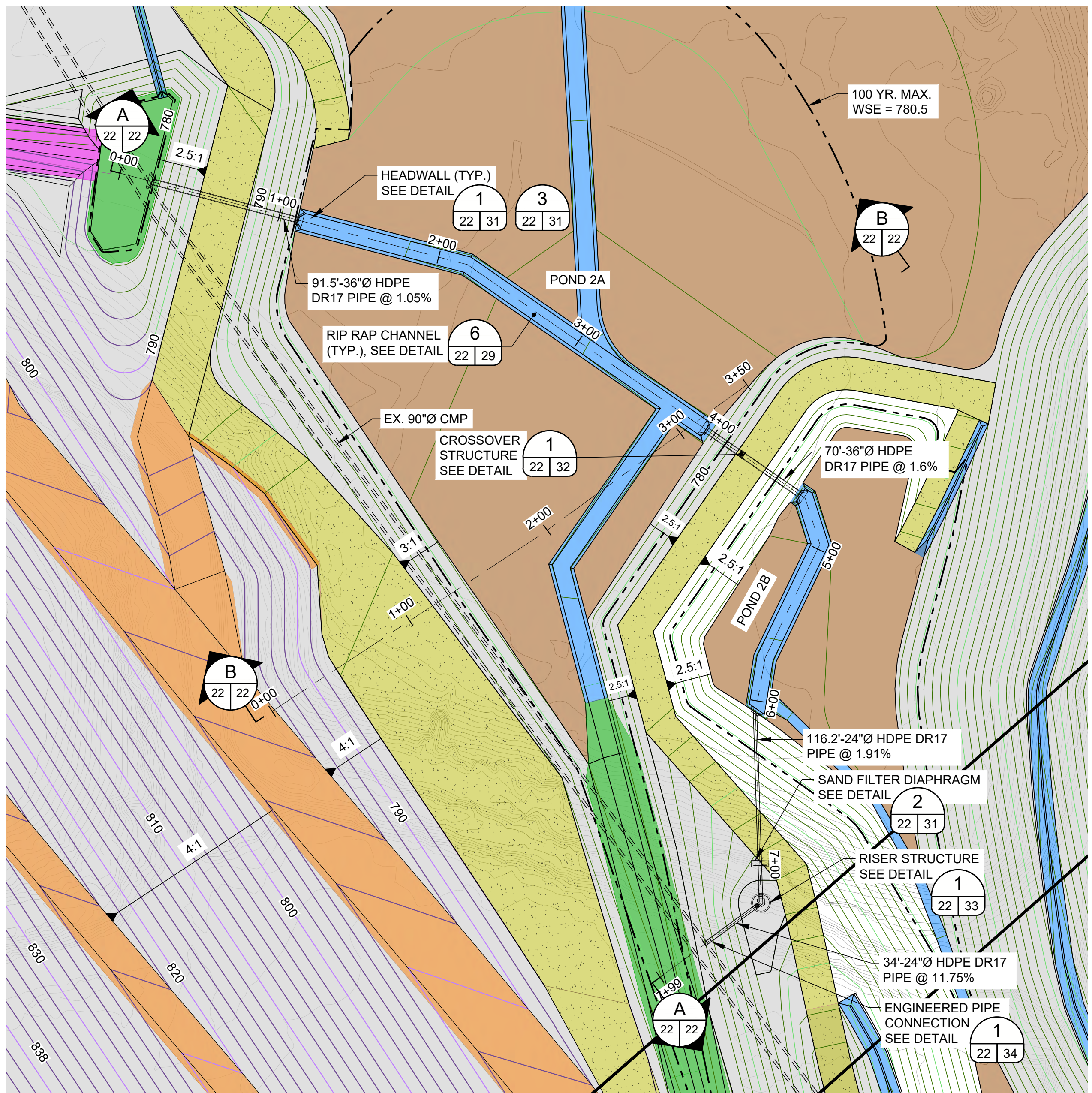


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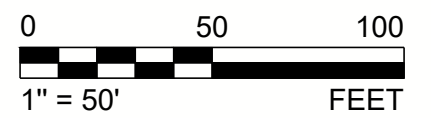
	PRE-CLOSURE CONTOURS
	UNPAVED PLANT ROAD
	EXISTING GAS LINE
	EXISTING OVERHEAD ELECTRIC LINES IN CCR POND 3 & 4 AREA TO REMAIN & TO BE PROTECTED
	PROPOSED CONTOURS
	FINAL LIMITS OF LINER
	HYDRO TURF OVER SUPERGRIPNET
	TYPE 3 RIP-RAP
	NO.1 STONE OR TYPE 3 RIP-RAP
	NO.4 STONE BALLAST
	ARMORFLEX ON CLOSURE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

HATCH LEGEND

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



1 DETENTION POND 2 PLAN



REFERENCES

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

1. SUPERGRIPNET TO BE AGRU 50 MIL LLDPE OR AGRU 50 MIL LLDPE MICRODRAIN.
2. MICROSPIKE TO BE AGRU 40 MIL (MIN.) LLDPE GEOMEMBRANE LINER.
3. CLOSURE TURF TO CONTAIN SAND INFILL MINIMUM 1/2" THICKNESS UNLESS OTHERWISE INDICATED.
4. CULVERT TO BE INSTALLED IN 5' MIN. RADIAL ZONE OF SOIL FILL.
5. DETENTION POND 2 WILL SERVE TEMPORARILY AS A SEDIMENT POND DURING THE FINAL PHASE OF CONSTRUCTION.
6. OUTFLOWS FROM THE POND 2 OUTLET STRUCTURE ARE NOT PERMITTED UNTIL 100% SITE STABILIZATION OF AREAS DRAINING TO POND 2 HAS BEEN ACHIEVED AND ALL SEDIMENTS FROM THE POND REMOVED.

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

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

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION



CLIENT
GEORGIA POWER COMPANY



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

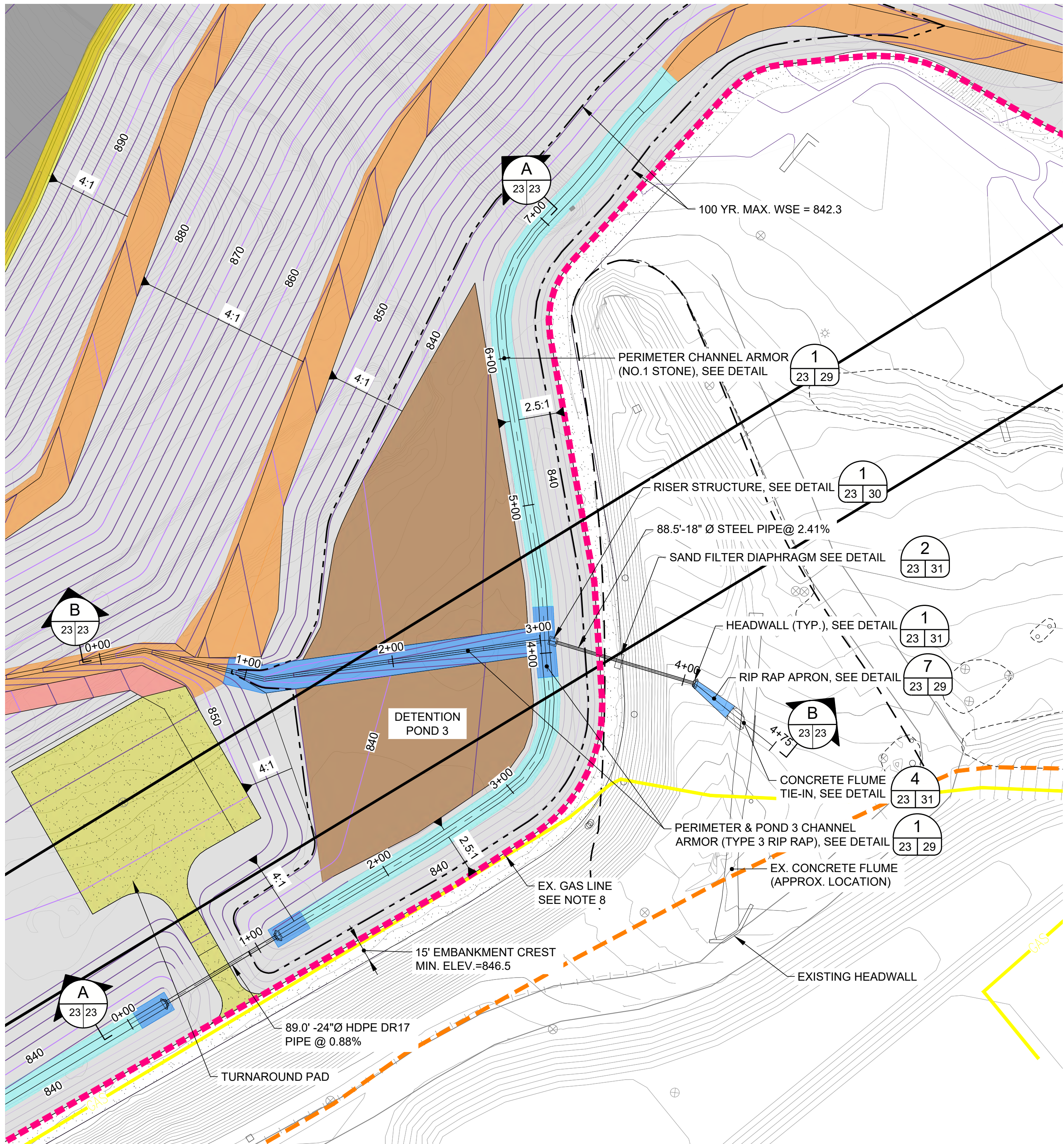
TITLE
AP - 3/4 DETENTION POND 2 DETAILS

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

PROJECT NO. 1777449
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1 DETENTION POND 3 PLAN
23 23
0 50 100
1" = 50' FEET

LEGEND

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

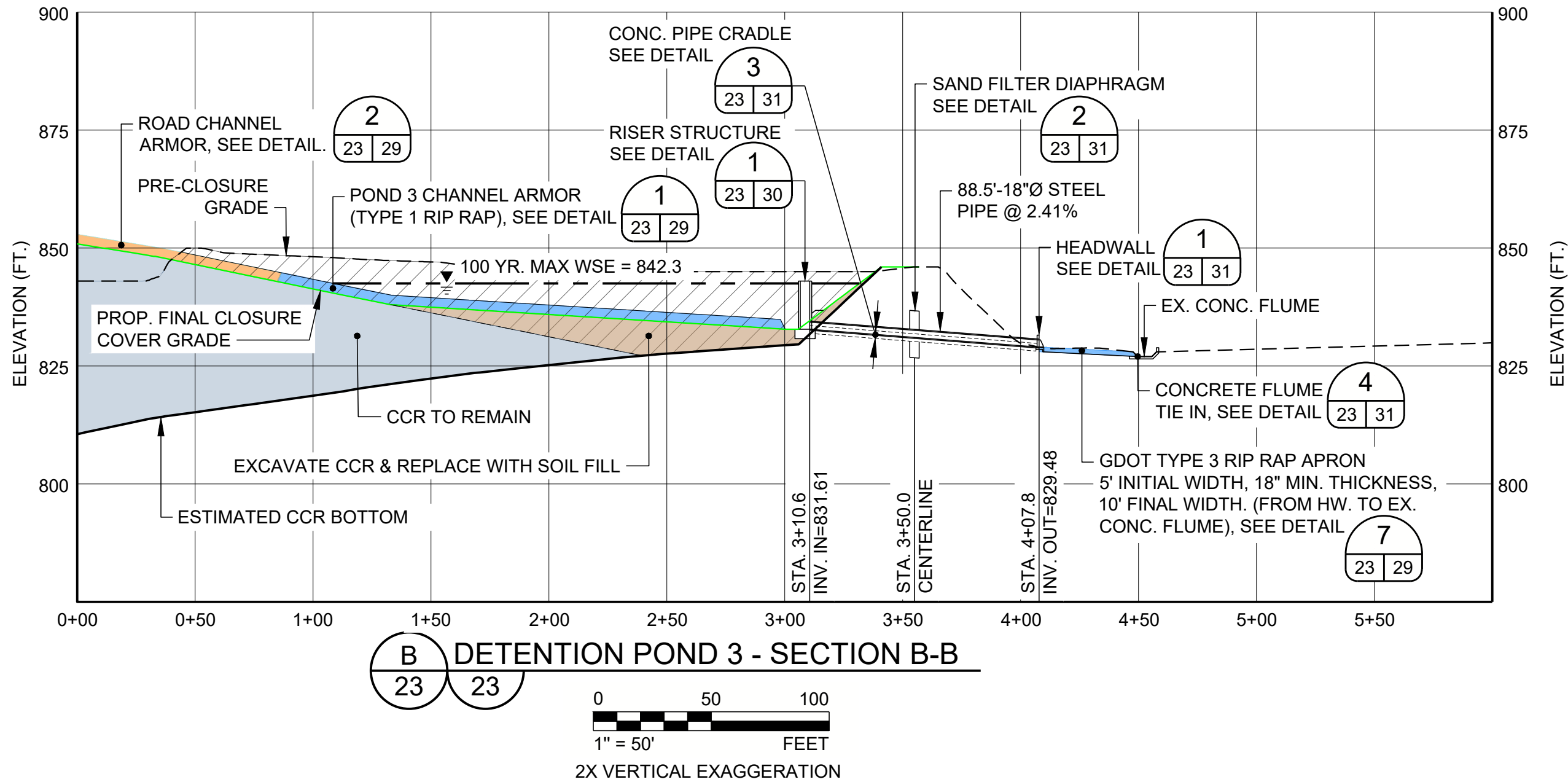
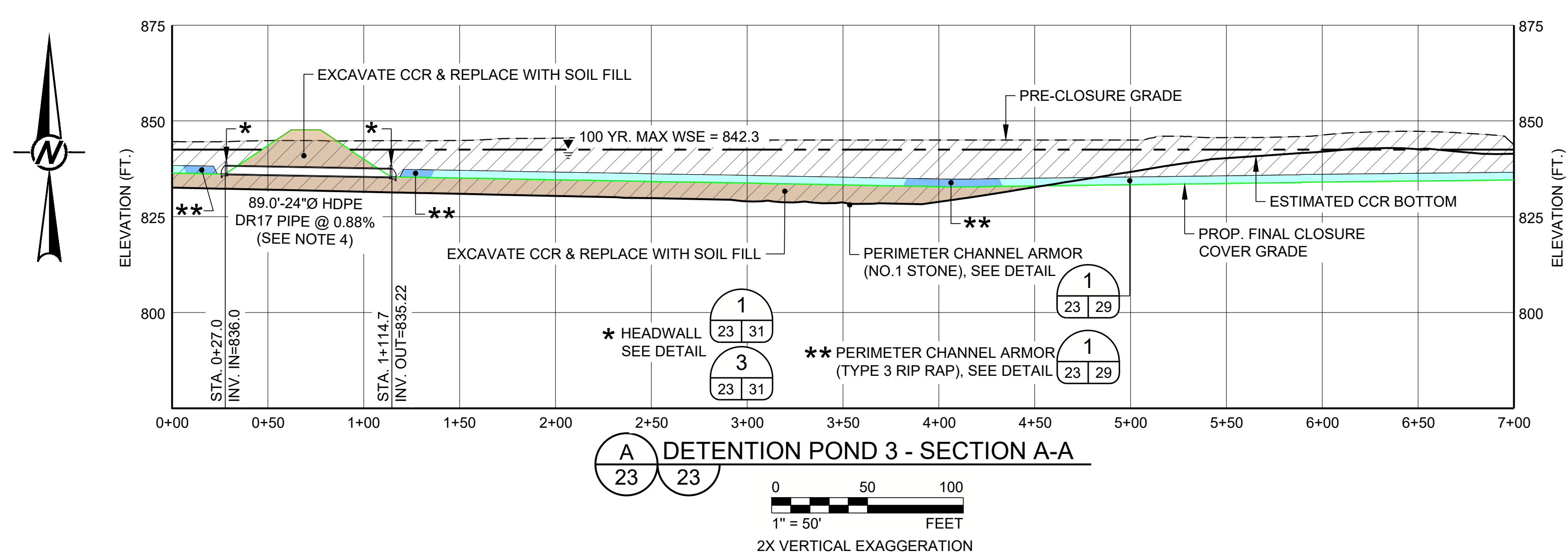
	HYDRO TURF OVER SUPERGRIPNET
	TYPE 3 RIP RAP APRON
	NO.1 STONE OR TYPE 3 RIP RAP
	ARMORFLEX ON HYDRO TURF OVER SUPERRIPNET
	GRAVEL ROAD OVER CLOSURE TURF WITH EDGE CURB
	CLOSURE TURF OVER SUPERGRIPNET
	CLOSURE TURF OVER MICROSPIKE

HATCH LEGEND

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

NOTES

- SUPERGRIPNET TO BE AGRU 50 MIL LLDPE.
- MICROSPIKE TO BE AGRU 40 MIL (MIN.) LLDPE GEOMEMBRANE LINER.
- CLOSURE TURF TO CONTAIN SAND INFILL MINIMUM 1/2" THICKNESS UNLESS OTHERWISE INDICATED.
- CULVERT TO BE INSTALLED IN 5' MIN. RADIAL ZONE OF SOIL FILL.
- DETENTION POND 3 WILL SERVE TEMPORARILY AS SEDIMENT POND D DURING PHASES 2 THROUGH 5 OF CONSTRUCTION. SEE SHEET 13.
- OUTFLOWS FROM THE OUTLET STRUCTURE ARE NOT PERMITTED UNTIL 100% SITE STABILIZATION HAS BEEN ACHIEVED IN CONTRIBUTING AREAS AND ALL SEDIMENTS FROM THE POND REMOVED.
- HYDROLOGIC AND HYDRAULIC PARAMETERS (PROJECT COMPLETION CONDITIONS):
 - APPROXIMATELY 10.5 ACRE-FEET OF STORAGE CAPACITY.
 - DRAINAGE AREA APPROXIMATELY 20 ACRES IN FINAL CONDITION.
 - 100-YEAR, 24 HOUR STORM MAXIMUM WATER SURFACE ELEVATION: 842.3 FT-MSL
 - 100-YEAR, 24-HOUR STORM MINIMUM FREEBOARD PROVIDED: 3.7 FT
 - MAXIMUM 100-YEAR, 24 HOUR STORM INFLOW TO POND: 122 CFS
 - MAXIMUM 100-YEAR, 24 HOUR STORM OUTFLOW FROM POND: 9 CFS
- 24 INCH DIAMETER NATURAL GAS FEED FOR POWER PLANT RUNS WITHIN SOUTHERN PORTION OF EXISTING ASH POND 3 PERIMETER BERM. NO WORK WITHIN 50 FEET OF THIS LINE WITHOUT NOTIFICATION OF AND APPROVAL OF OWNER.



REFERENCES

- THE PRE-CLOSURE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 10-16-2012. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 10-26-12. PROJECT NO. 13225 - 01-13-2013."
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- GEORGIA POWER COMPANY PLANT MCDONOUGH ASH PONDS - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF SURVEY 1-12-2016 - LAND ENG. PROJECT # 20160020.

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

CLIENT
GEORGIA POWER COMPANY



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

TITLE
AP - 3/4 DETENTION POND 3 DETAILS

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

PROJECT NO.
1777449

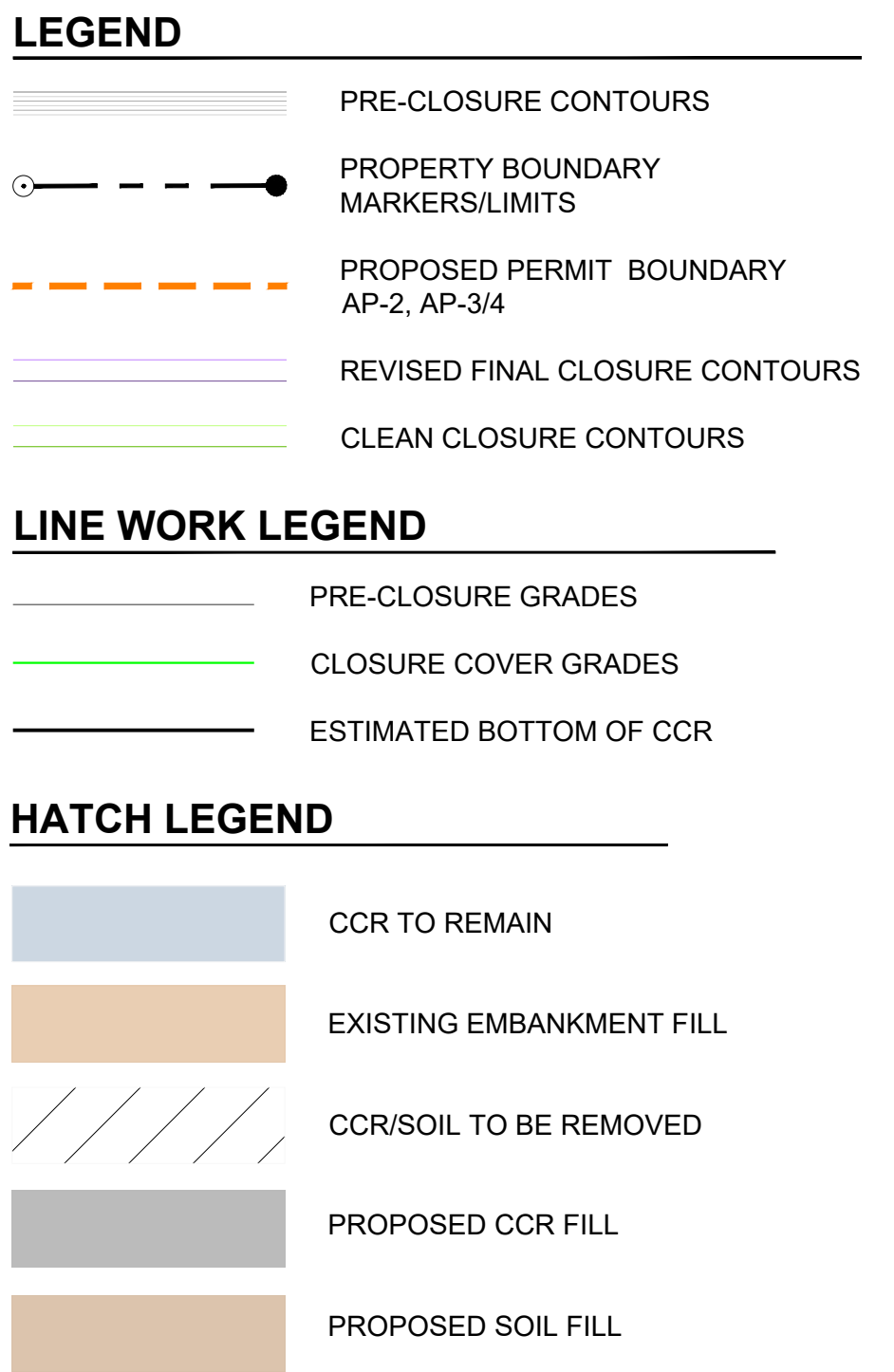
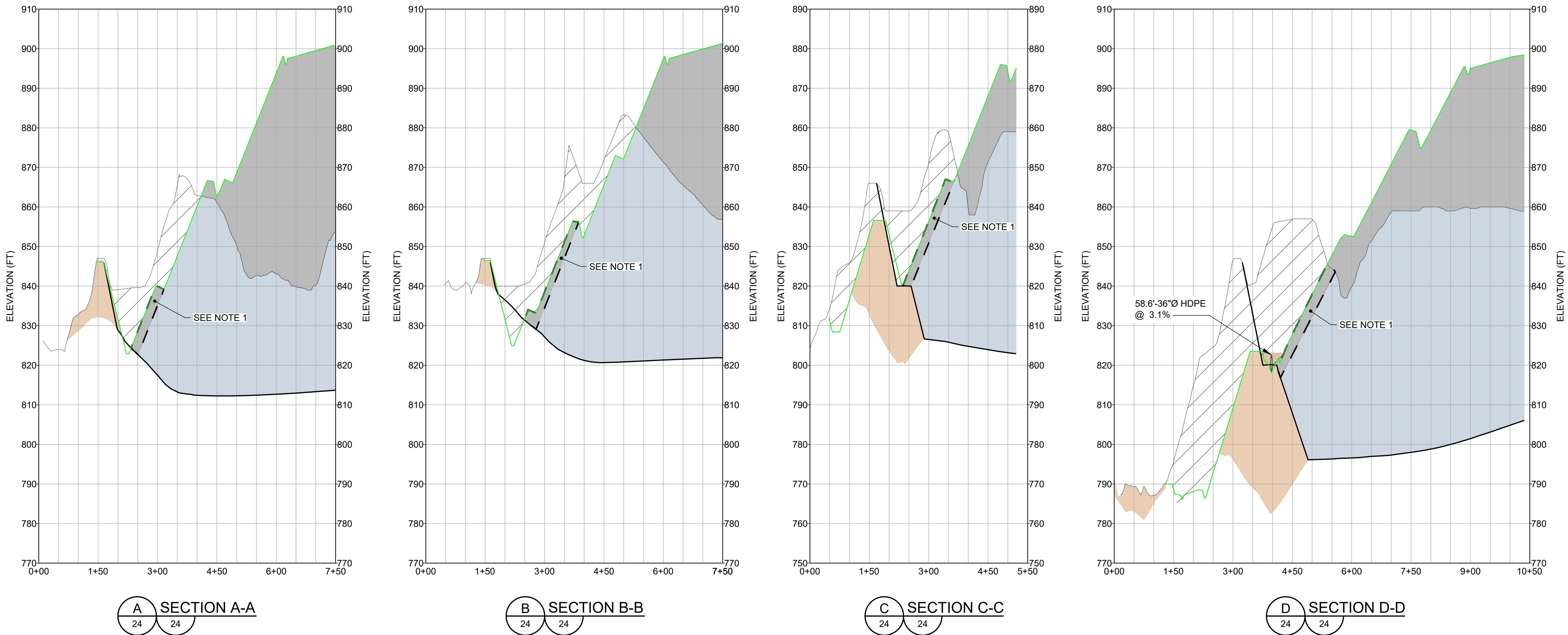
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1 NORTH PERIMETER CHANNEL PLAN
24 24

NOTES

- OVER EXCAVATE AND RECOMPACT ASH FILL ALONG NORTHERN PERIMETER CHANNEL A MINIMUM OF 20 FEET HORIZONTALLY TO BOTTOM OF ASH AND OR A MINIMUM OF FIVE FEET BELOW FINAL CHANNEL BOTTOM IF STILL IN ASH.
- ALL TEMPORARY AND PERMANENT EXCAVATIONS BELOW ELEVATION 830 FEET (THE NOMINAL PRE CONSTRUCTION WATER LEVEL WITHIN ASH PONDS 3 AND 4) REQUIRE SUBMITTAL OF CONFIRMATION WATER LEVEL TESTING INDICATING SUFFICIENT DEWATERING TO MAINTAIN STABILITY PRIOR TO EXCAVATION. THE FOLLOWING CRITERIA APPLY TO ALL ASH EXCAVATIONS:
 - TEMPORARY ASH EXCAVATION SLOPES SHALL BE 4H:1V OR SHALLOWER UNLESS OTHERWISE APPROVED BY THE ENGINEER.
 - WATER LEVELS WITHIN THE ASH BEHIND CUT SLOPES SHALL BE MAINTAINED A MINIMUM OF 50 HORIZONTAL FEET BEHIND (12.5 VERTICAL FEET BELOW) ALL PORTIONS OF ASH EXCAVATION CUT SLOPES AT ALL TIMES. IT IS ANTICIPATED THAT MEETING THIS CRITERIA WILL REQUIRE ACTIVE DEWATERING AND MONITORING.
 - ASH EXCAVATIONS BELOW ELEVATION 800 FEET SHALL ADDITIONALLY REQUIRE WATER LEVELS WITHIN 400 FEET OF THE TOE OF THE EXCAVATION SLOPE TO BE LOWERED TO AT LEAST ELEVATION 810 FEET.
 - SEE SHEET 27 FOR MINIMUM WATER LEVEL MONITORING REQUIREMENTS. DURING CONSTRUCTION.

REFERENCES

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



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

TITLE
AP - 3/4 NORTH PERIMETER CHANNEL DETAILS

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

PROJECT NO.
1777449

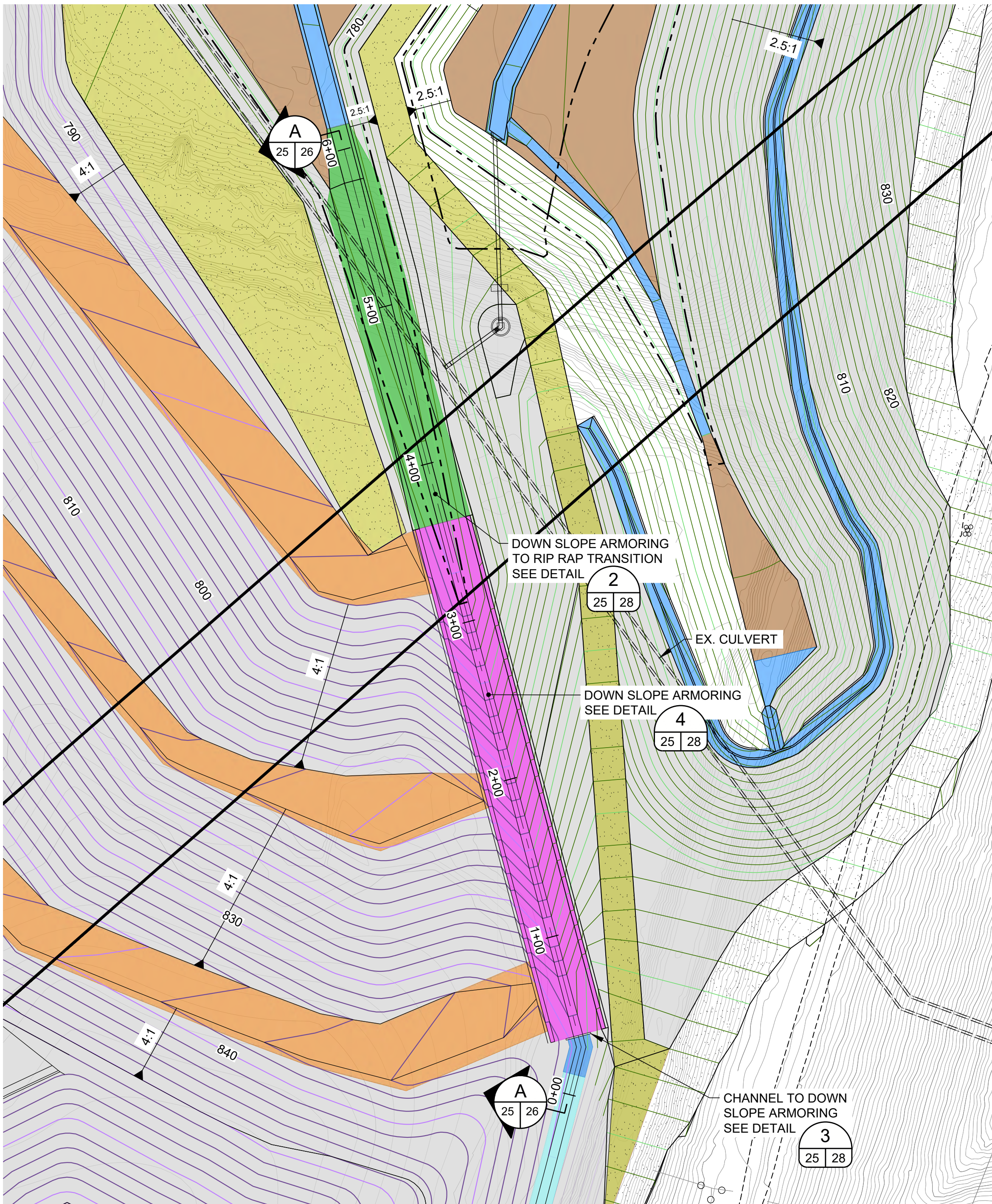
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NOT FOR CONSTRUCTION**

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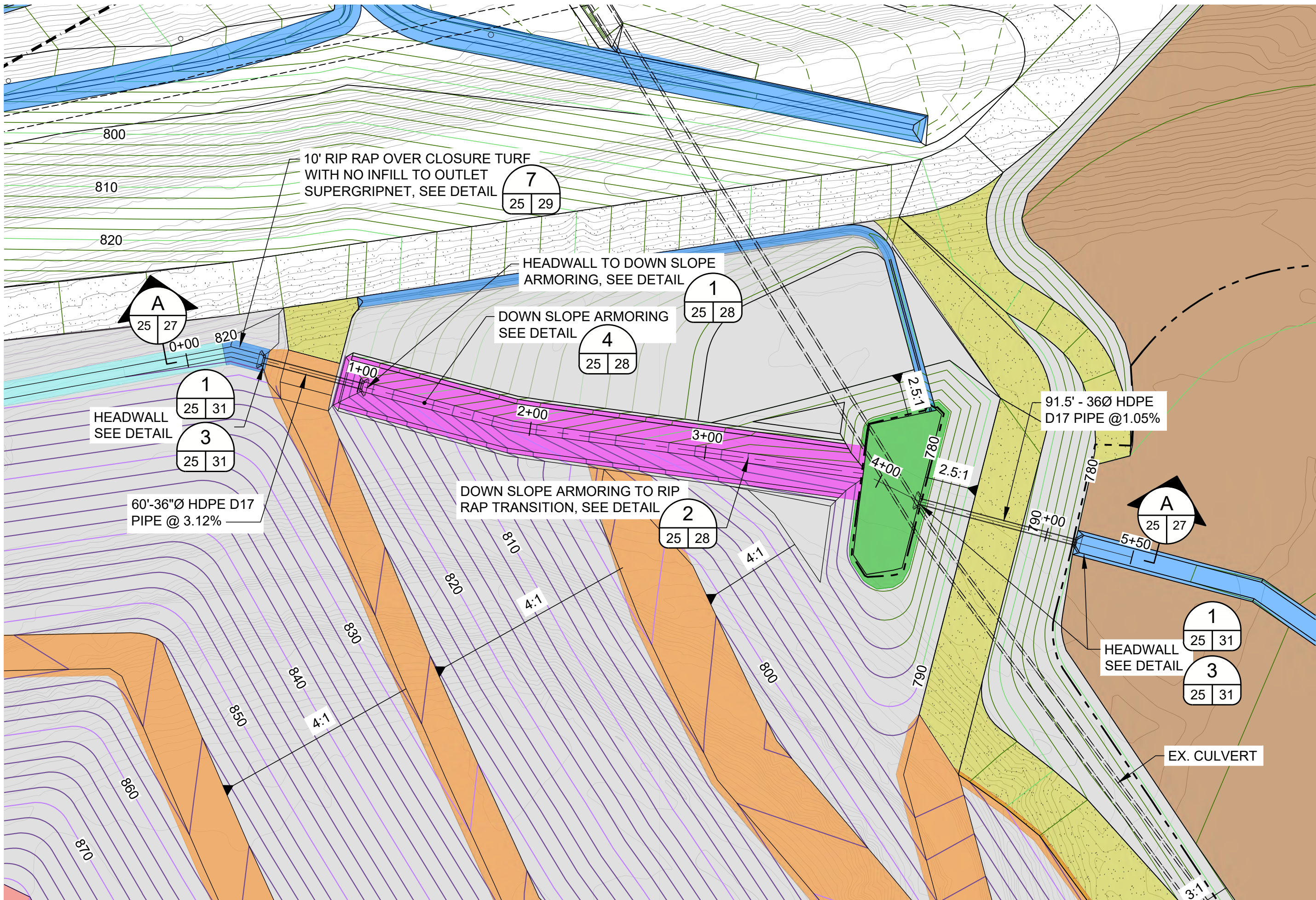


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25
SOUTH DOWNSLOPE CHANNEL PLAN
(PERIMETER CHANNEL P5)

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

REFERENCES

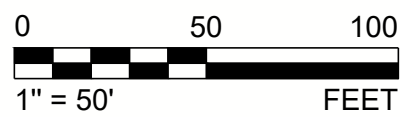
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2
25
NORTH DOWNSLOPE CHANNEL PLAN
(PERIMETER CHANNEL P2)

NOTES

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



CLIENT
GEORGIA POWER COMPANY



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

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

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

PROJECT NO.
1777449

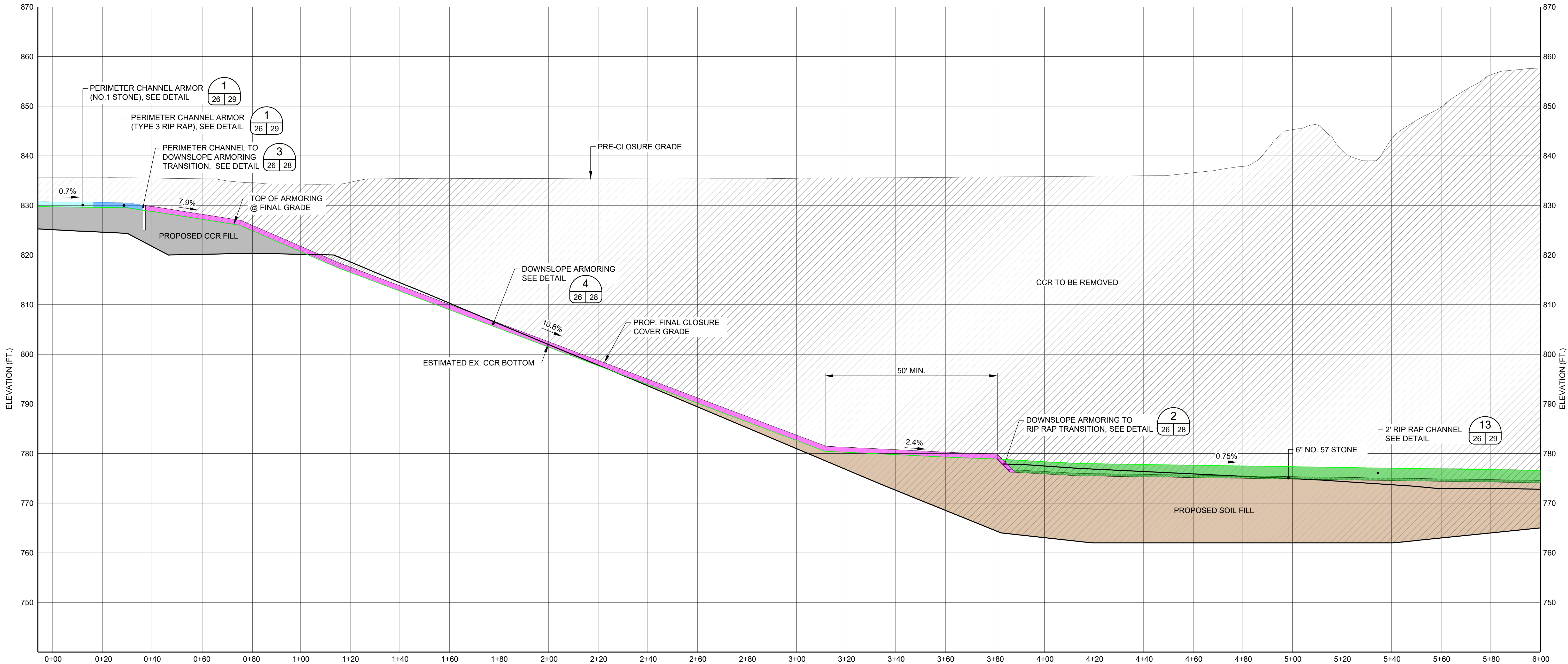
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SHEET
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FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

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

Path: \\corp.plbwan.net\USCentral\Draws\ASLT\200\Cad\Southern Company\1777449 Plant McDonough\Permitting\AP-3/4 - AP-2\AP-3/4\PRODUCTION\1 File Name: 1777449 25-27 DOWNSLOPE CHANNELS PLAN & PROFILES.dwg



SOUTH DOWNSLOPE CHANNEL PROFILE
(PERIMETER CHANNEL P5)

A
26 25



HATCH LEGEND

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

REFERENCES

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

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

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

CLIENT
GEORGIA POWER COMPANY



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

TITLE
AP - 3/4 SOUTH DOWNSLOPE CHANNEL PROFILE

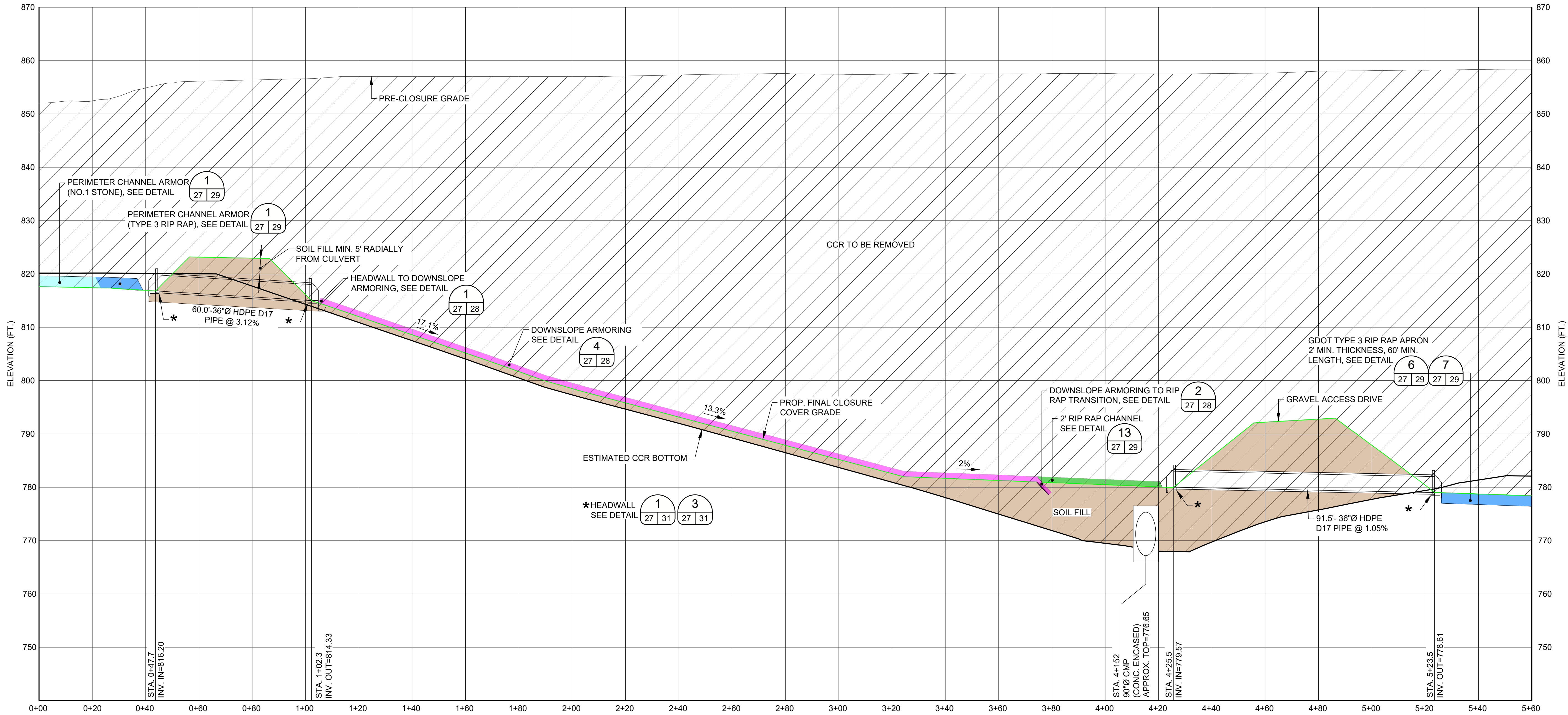
CONSULTANT	YYYY-MMM	2025-FEB
	DESIGNED	GLH
	PREPARED	AVR
	CHECKED	MP
	REVIEWED / APPROVED	GLH



PROJECT NO. 1777449	REV. 0	SHEET 26
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1 in IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM A3S D

Path: \\corp.plbwan.net\USCentral\Draws\ASLT\200\Cad\Southern Company\1777449 Plant McDonough\Permitting\AP-3\4 - AP-2\AP-3\4\PRODUCTION\1 File Name: 1777449 25-27 DOWNSLOPE CHANNELS PLAN & PROFILES.dwg



NORTH DOWNSLOPE CHANNEL PROFILE
(PERIMETER CHANNEL P2)



HATCH LEGEND

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

REFERENCES

1. THE PRE-CLOSURE TOPOGRAPHY AND CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA LAND DEPARTMENT AND METRO ENGINEERING AND SURVEYING CO, INC. THE DATE OF THE SURVEY PROVIDED AND SHOWN ON THIS SET OF PLANS IS 10-16-2012. REFER TO THE SURVEY DRAWING TITLED "TOPOGRAPHIC MAP PREPARED FOR GEORGIA POWER COMPANY PLANT MCDONOUGH - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF PHOTOGRAPHY 10-26-12. PROJECT NO. 13225 - 01-13-2013."
2. REVISED PRE-CLOSURE TOPOGRAPHY & CONTOUR ELEVATIONS WERE PROVIDED BY GEORGIA POWER LAND DEPARTMENT. THE DATA SHOWN IS AN UPDATE TO THE PLANS DONE ON 10-16-2012 & THE ONSITE CHANGES SINCE THAT 2012 SURVEY. THE REVISED SURVEY WAS DONE ON 1-12-2016 & MERGED WITH THE DATA ON 10-16-2012. GEORGIA POWER COMPANY PLANT MCDONOUGH ASH PONDS - GEORGIA STATE PLANE WEST SURVEY FEET - DATE OF SURVEY 1-12-2016 - LAND ENG. PROJECT # 20160020.

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

CLIENT
GEORGIA POWER COMPANY



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

TITLE
AP - 3/4 NORTH DOWNSLOPE CHANNEL PROFILE

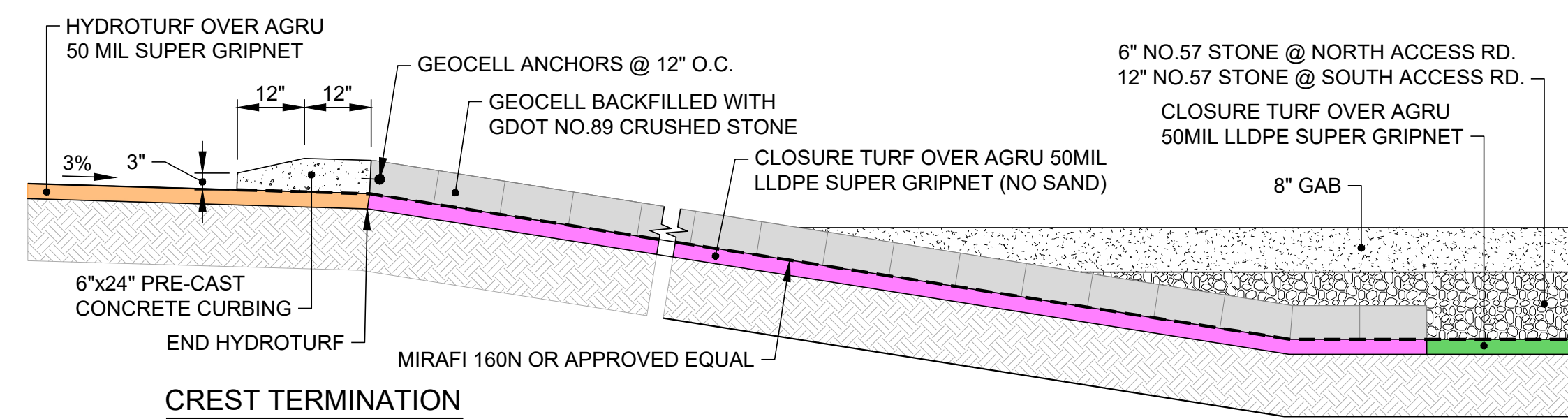
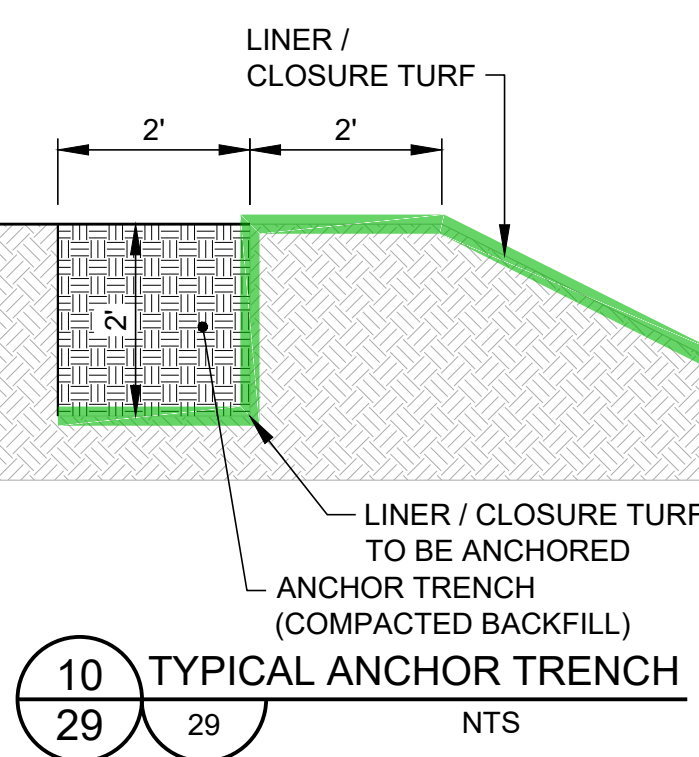
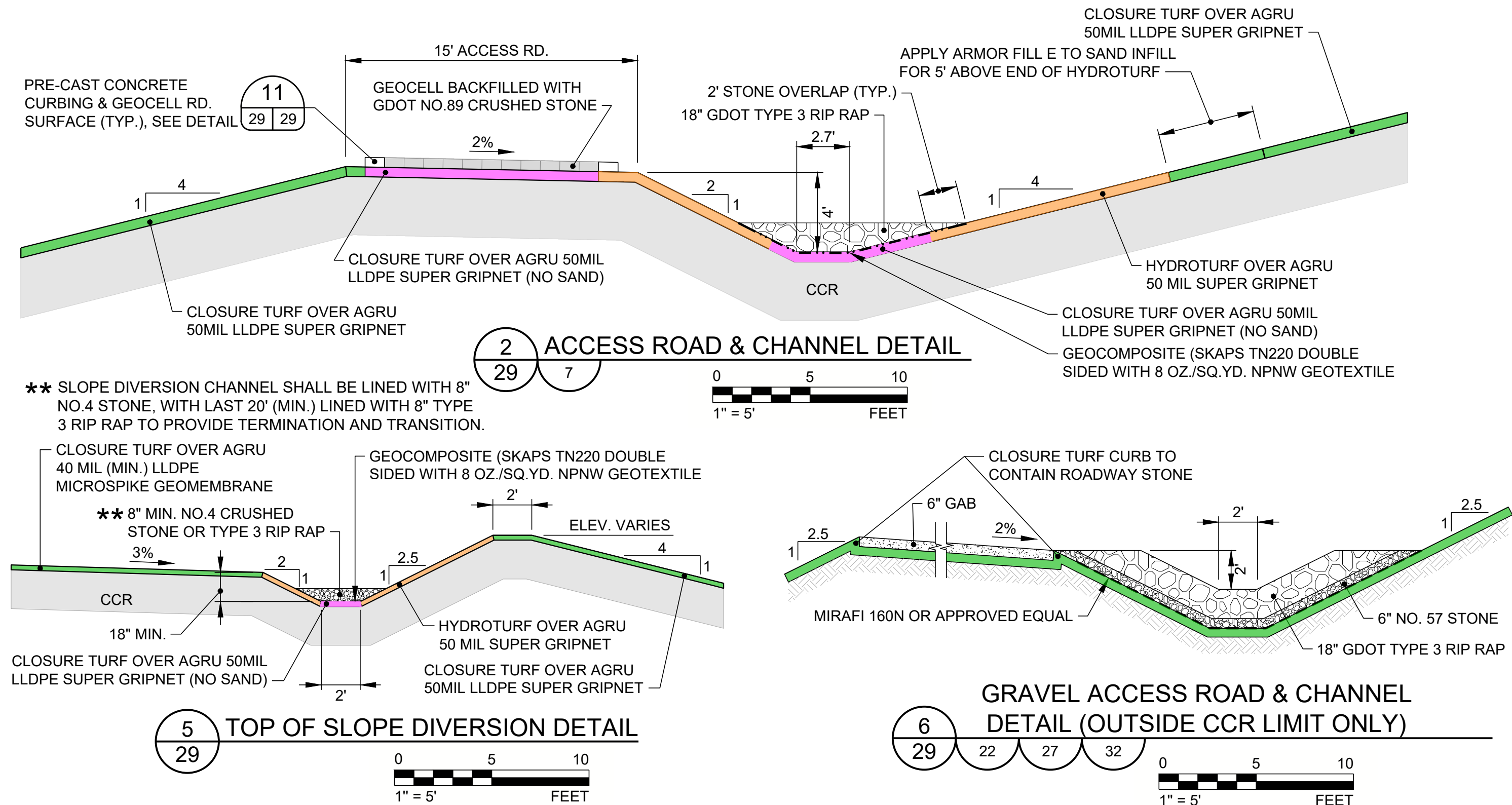
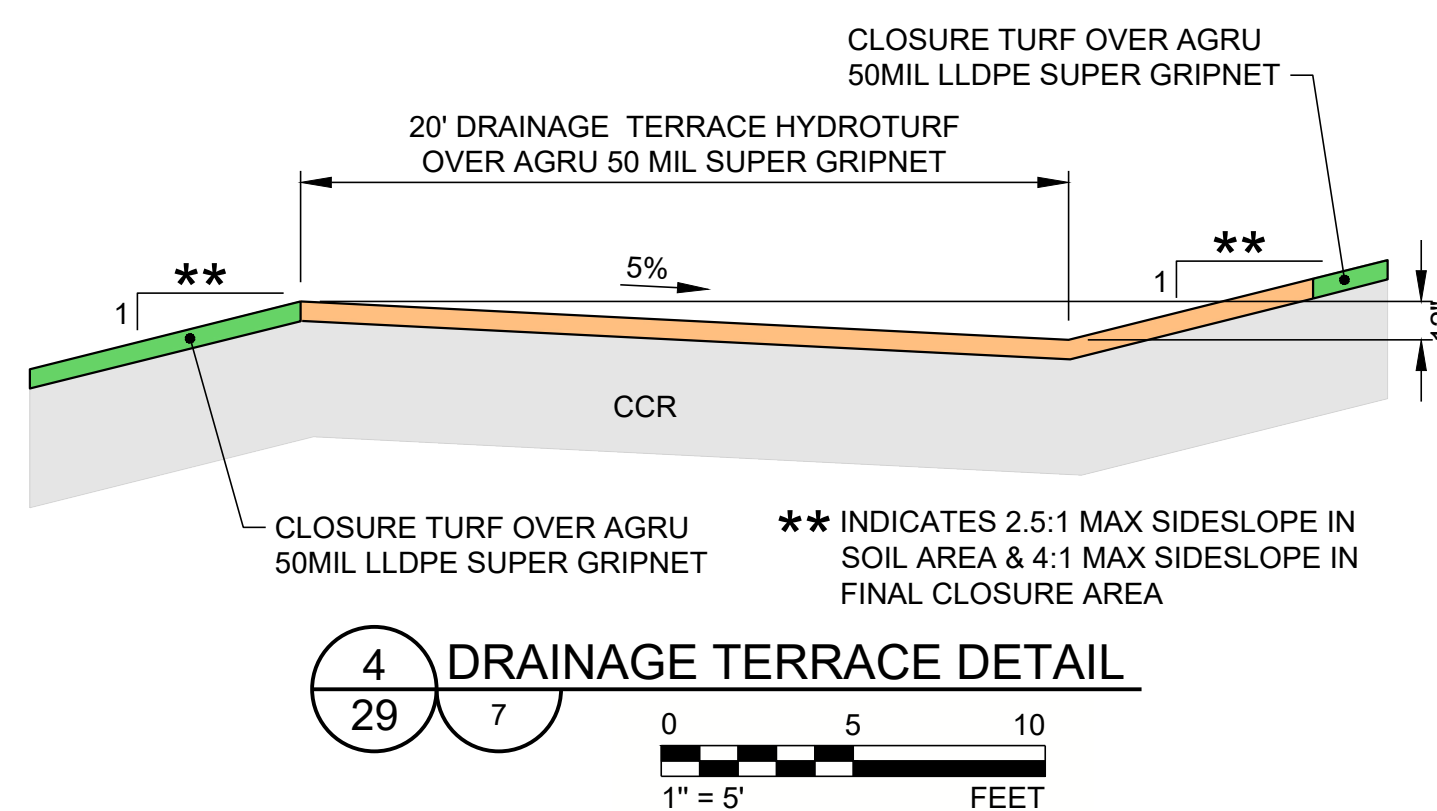
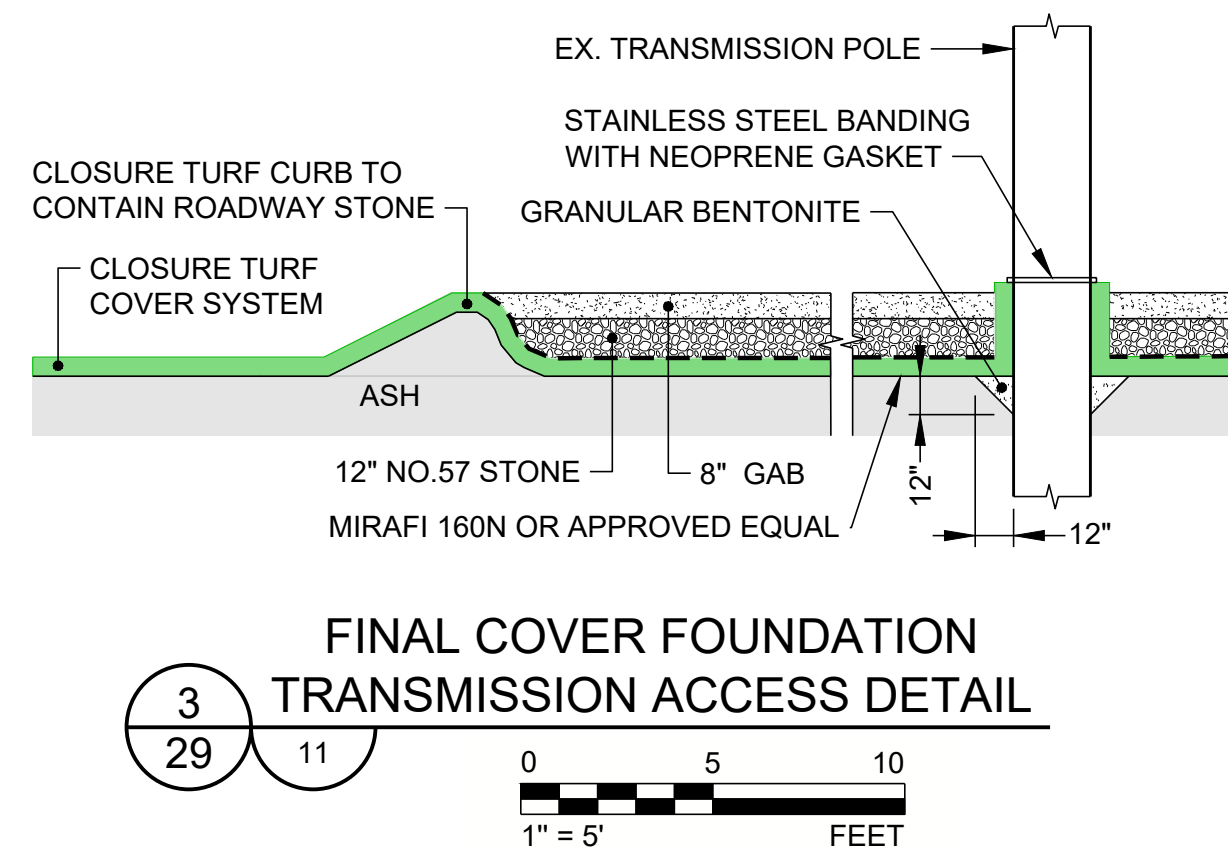
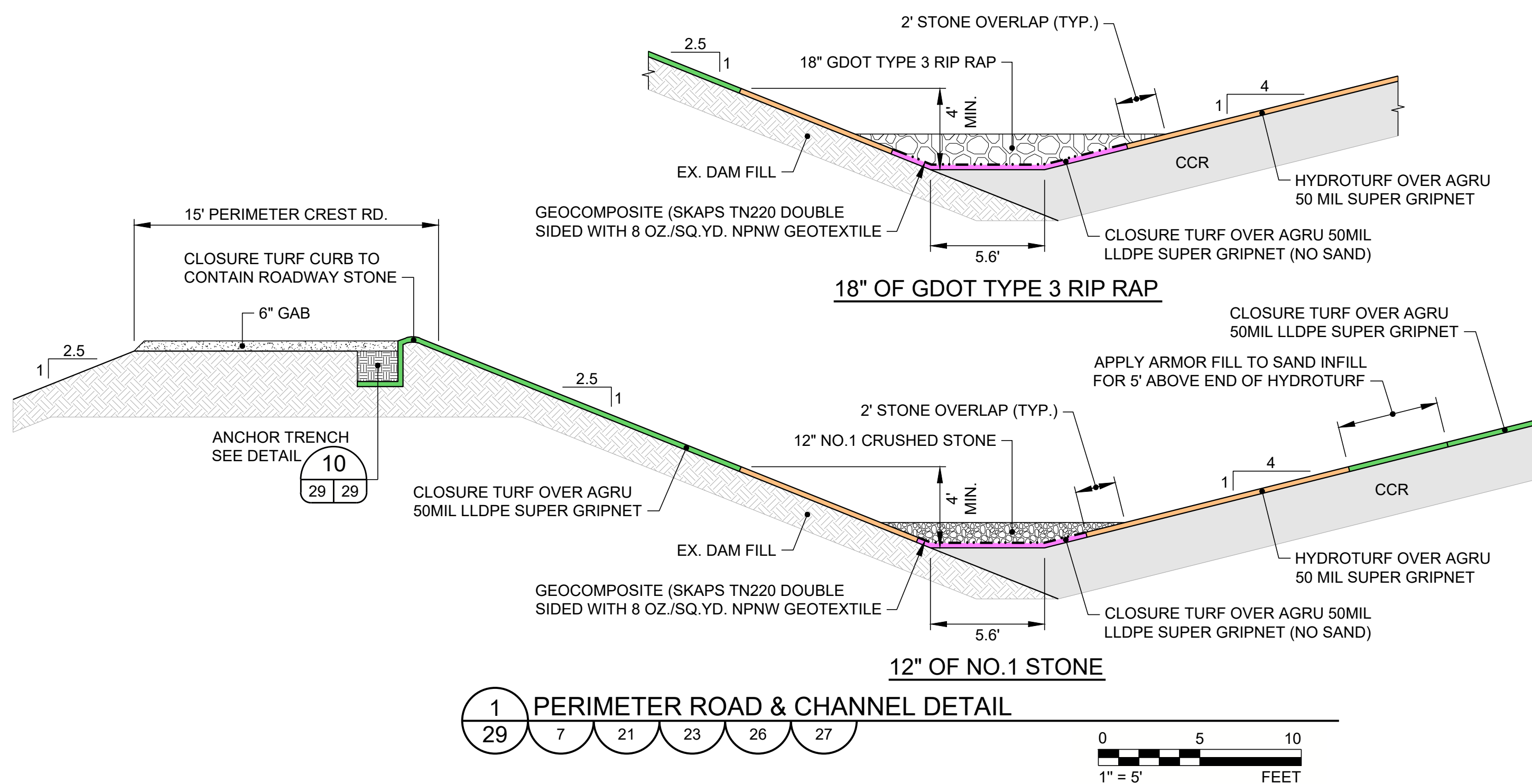
CONSULTANT	YYYY-MMM	2025-FEB
	DESIGNED	GLH
	PREPARED	RMS
	CHECKED	MP
	REVIEWED / APPROVED	GLH

PROJECT NO. 1777449 REV. 0 SHEET 27



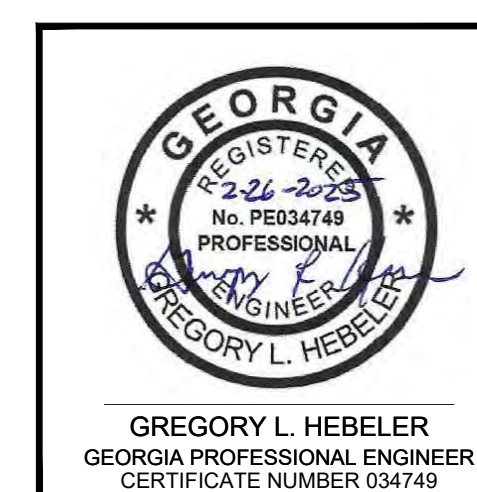
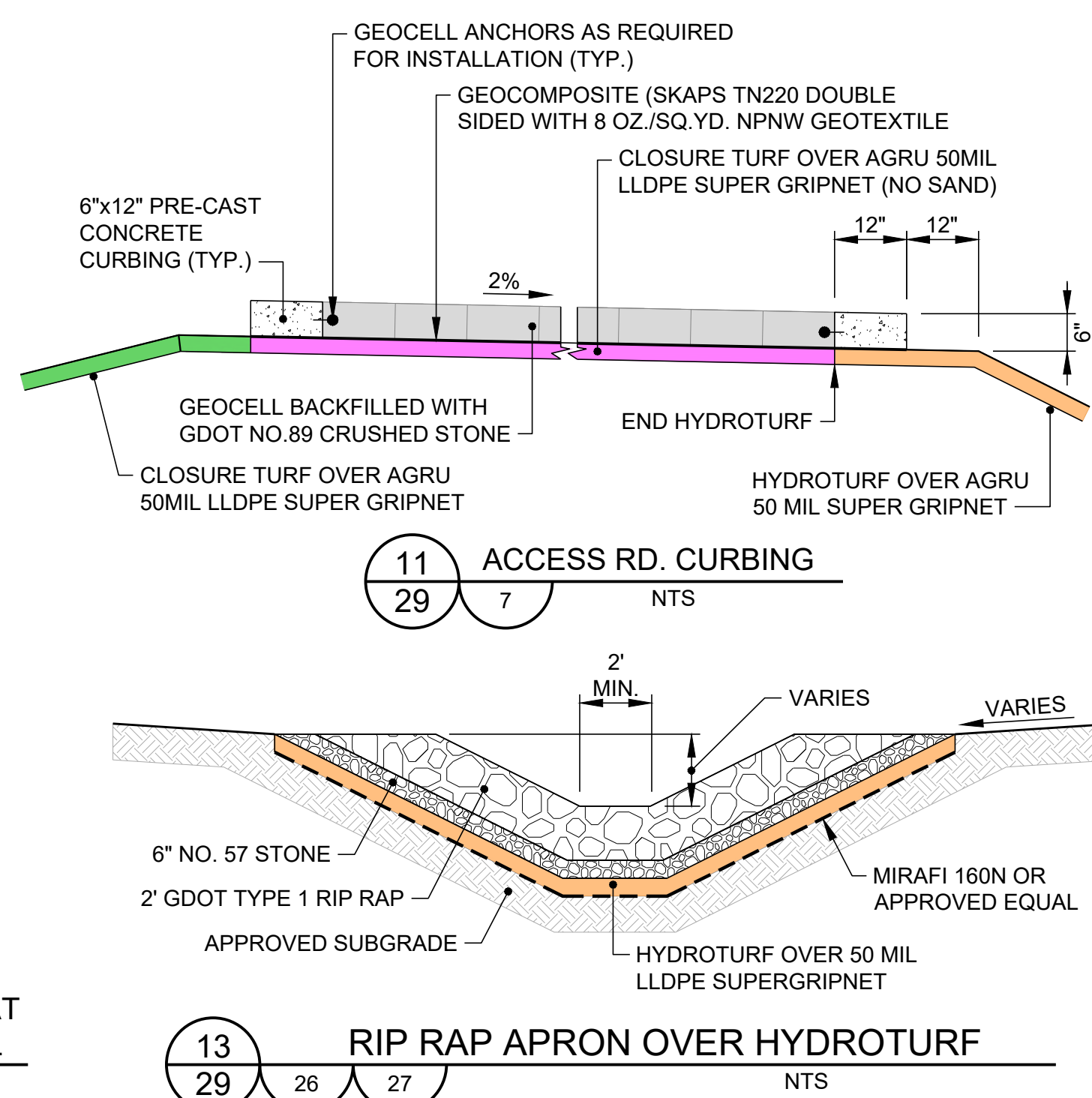
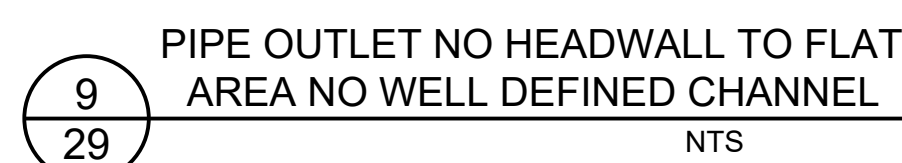
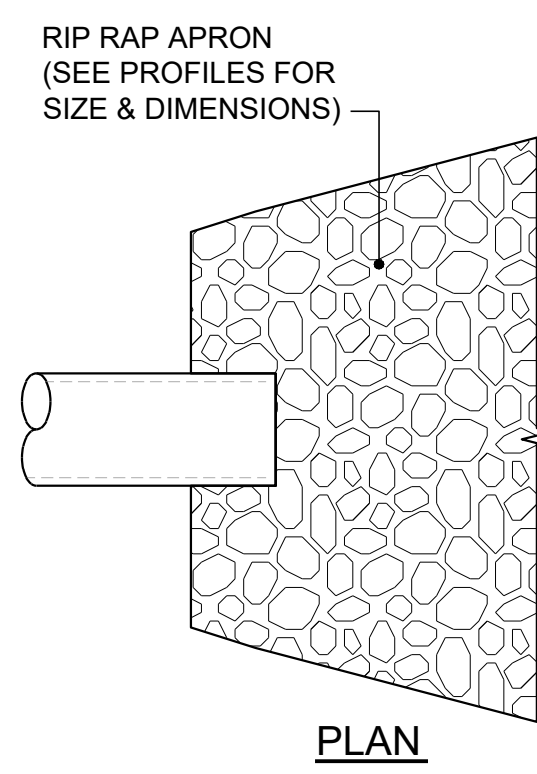
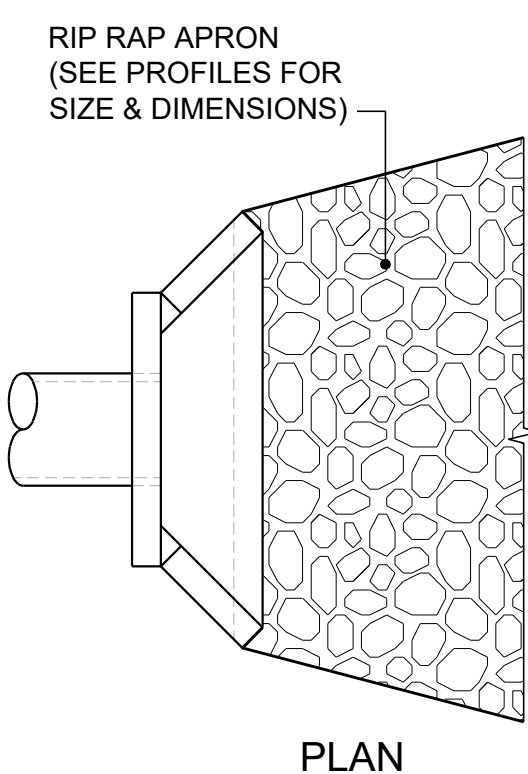
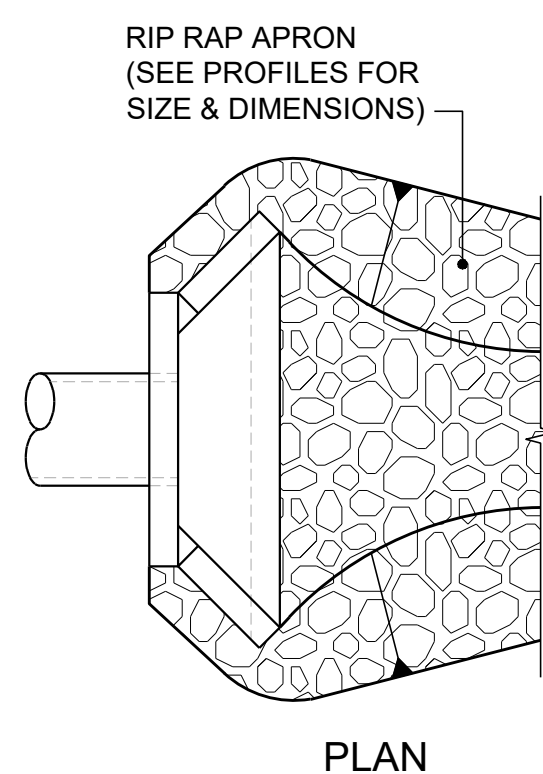
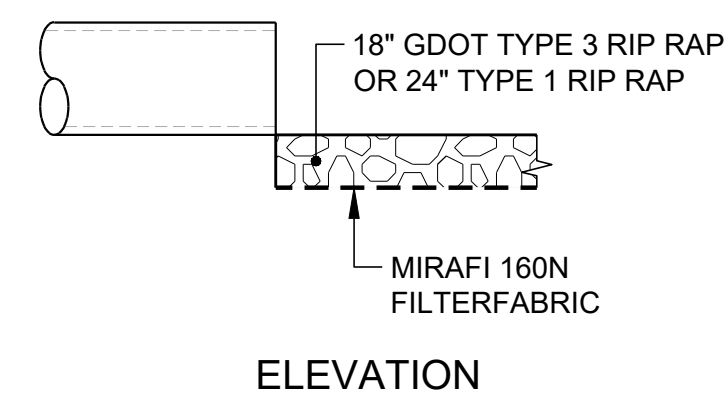
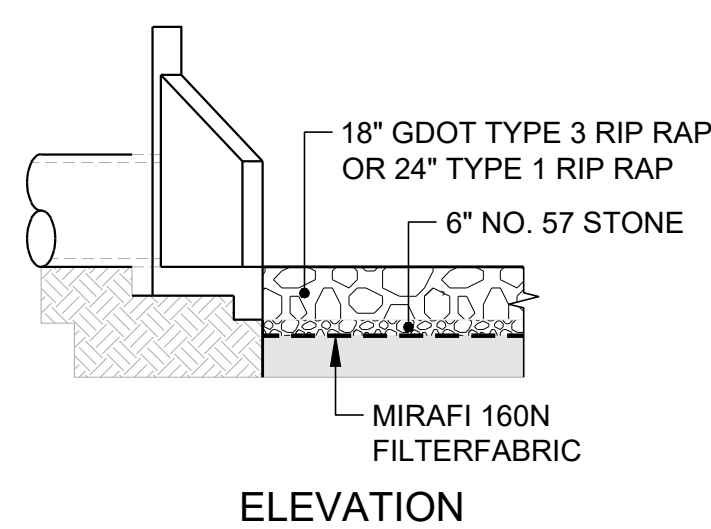
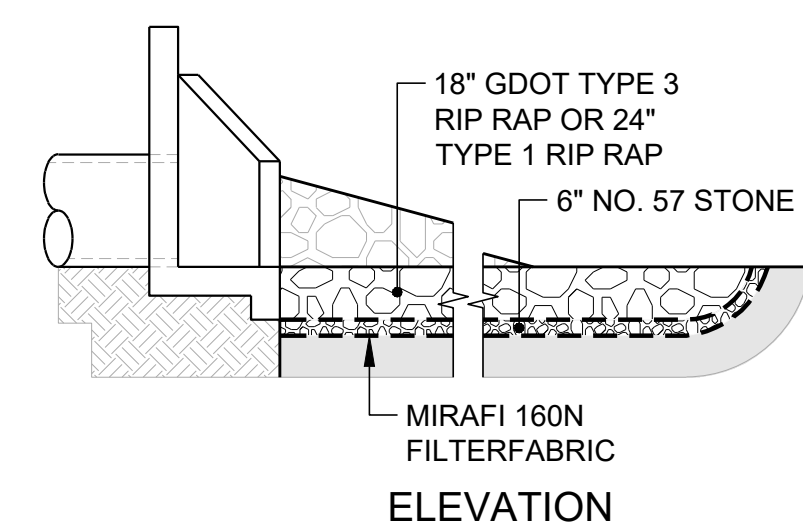
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM A3S D 11

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TOE TERMINATION

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION



CLIENT
GEORGIA POWER COMPANY



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

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

PROJECT NO.
1777449
REV.
0
SHEET
29

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

NOTES

1. HDPE TR

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



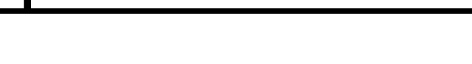
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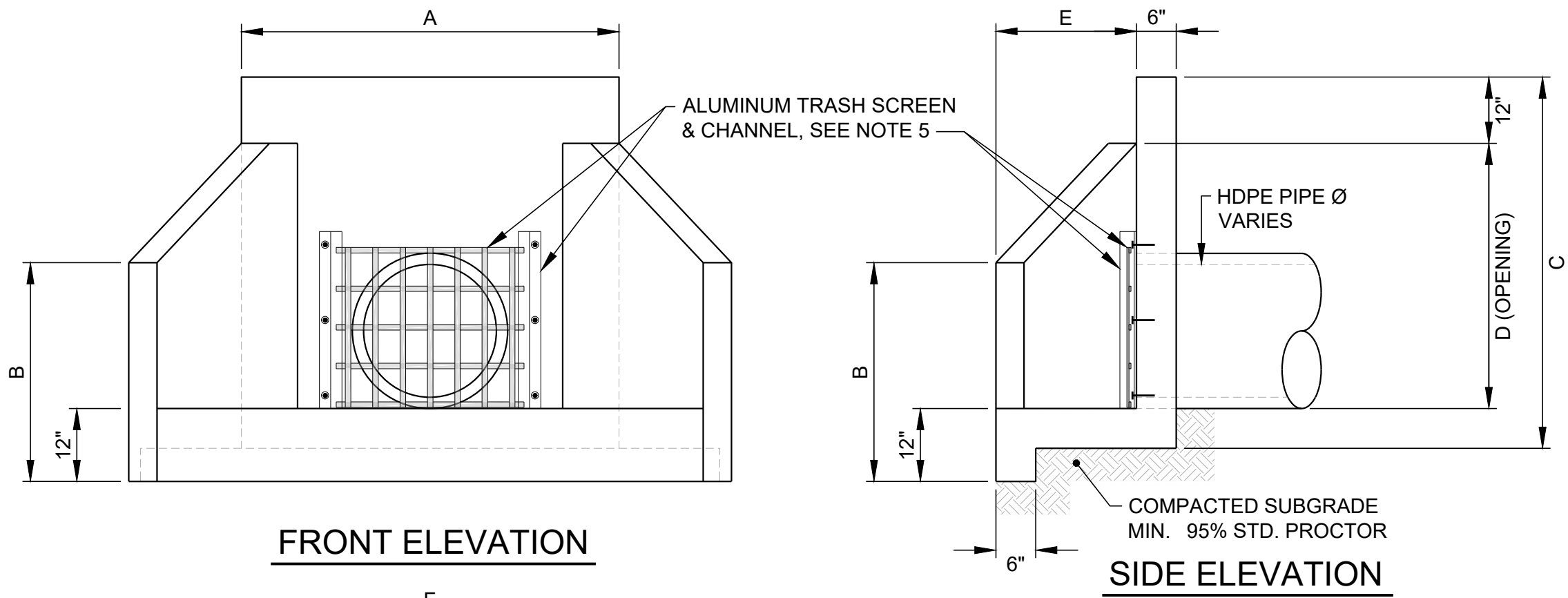
TITLE
AR 300 SURFACE WATER MANAGEMENT DETAIL C

DESIGNED	GLH
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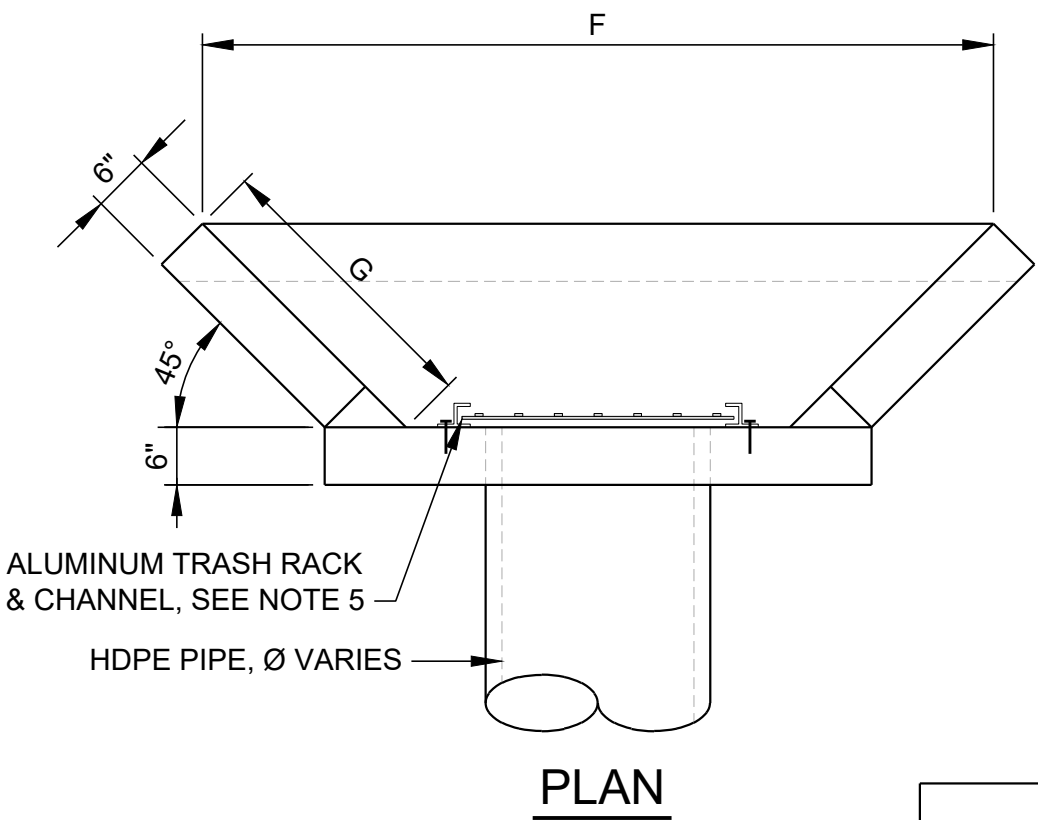


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BASE & WALL SECTION

WING SECTION



NOTES

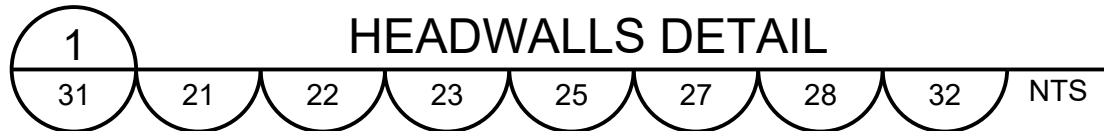
- ALL CONCRETE SHALL BE 4000 PSI.
- REINFORCING STEEL SHALL BE #4 BARS (MIN.), GRADE 60, @ 12" O.C. MAX. SPACING.
- PLACE REINFORCING 2" CLEAR MIN.
- CHAMFER ALL EXPOSED EDGES 1".
- ALUMINUM TRASH SCREEN TO BE INSTALLED ON HEADWALL AT POND 2 OUTLET PIPE AND AT THE UPSTREAM END OF THE CROSSOVER STRUCTURE ONLY. ALUMINUM TRASH SCREEN SHALL BE 1" WIDE BY 3/8" THICK AND HAVE 4"x6" NOMINAL OPENINGS. TRASH SCREEN SHALL BE INSERTED IN 2"x3" ALUMINUM CHANNELS IN A MANNER WHICH FACILITATES REMOVAL FOR SERVICING LOW LEVEL OUTLET PIPE. ALUMINUM CHANNELS SHALL BE ATTACHED TO HEADWALL USING CHEMICAL ANCHORS AS APPROVED BY ENGINEER.

BAR REINFORCING DETAILS

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

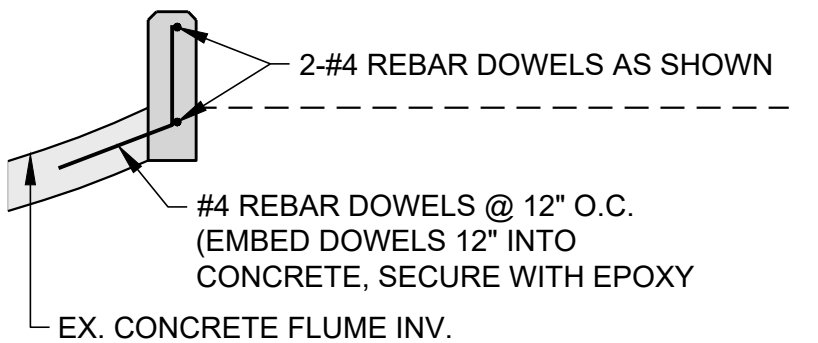
VARIABLE DIMENSIONS (HDPE DR26 PIPE)									
OUTSIDE DIA. PIPE	A	B	C	D	E	F	G	WT. LBS.	BASE AREA
18"	3'-5"	2'-4"	3'-4 1/2"	2'-0"	1'-5"	4'-10"	2'-0"	1783	8.30
24"	4'-0"	2'-9"	3'-11"	2'-7"	1'-8"	5'-11"	2'-4 1/2"	2063	11.90
36"	4'-8"	3'-5"	5'-0"	3'-8"	2'-4"	7'-11"	3'-3 1/2"	4060	19.60
									CU. YDS.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

VERTICAL HEADWALL DETAIL

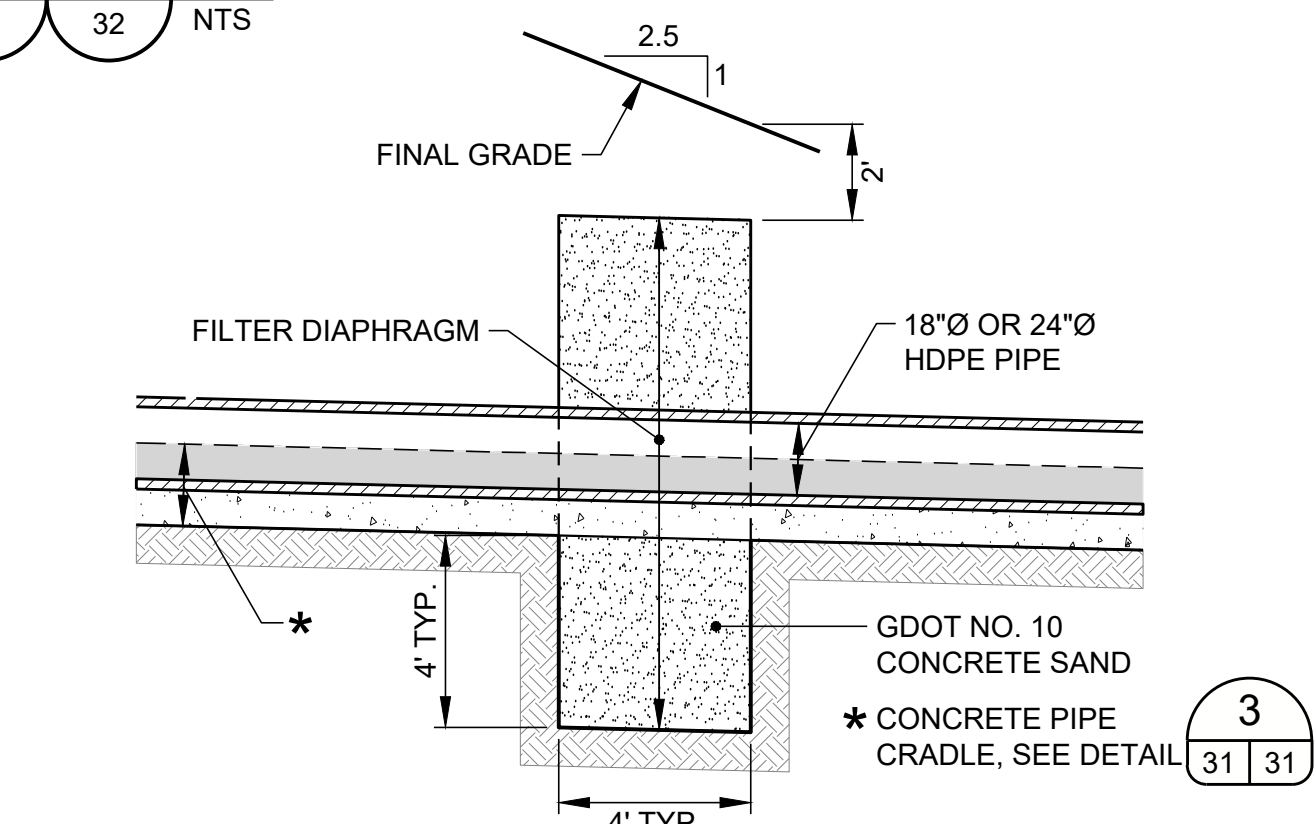


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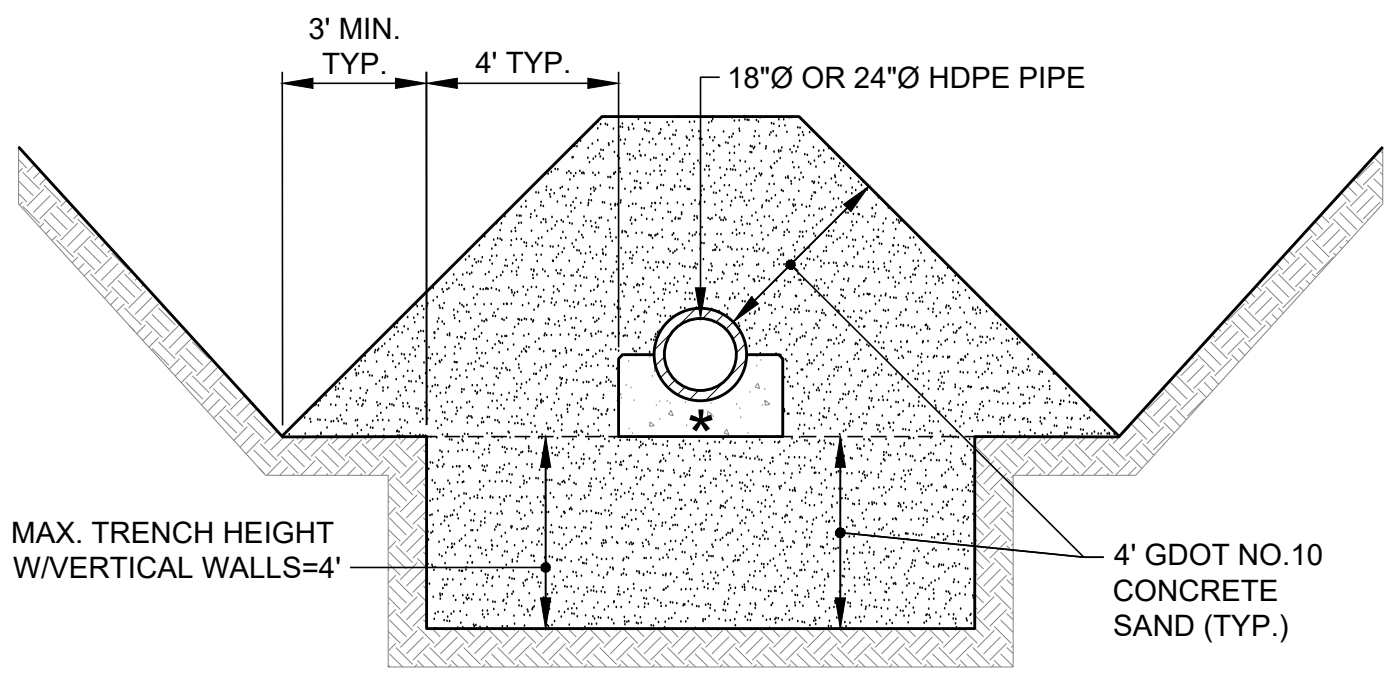
- ALL CONCRETE TO BE 4000 PSI. ALL REINFORCEMENT SHALL BE GRADE 60.
- ALL EXPOSED EDGES SHALL HAVE A MINIMUM ONE INCH CHAMFER.
- REBAR SHALL HAVE A 3 INCH CONCRETE COVER WHEN POURED AGAINST GROUND SURFACE AND A 2 INCH CONCRETE COVER WHEN POURED AGAINST FORMS.
- ON UNEXPOSED JOINTS CLOSED CELL ROUND BUTYL CORD 1/4 INCH LARGER THAN THE JOINT AS MEASURED IN THE FIELD, SHALL BE INSTALLED.



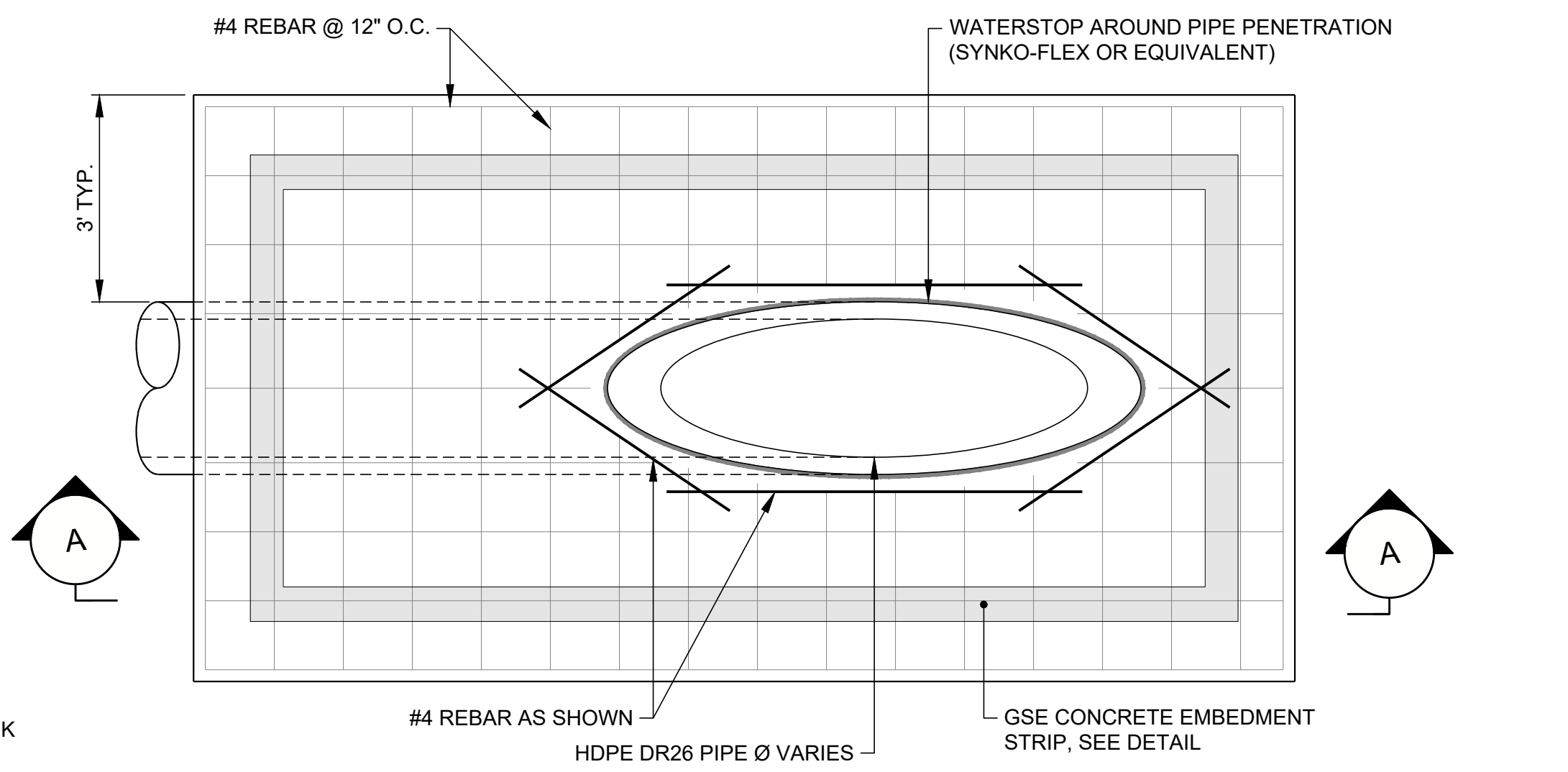
SECTION A-A



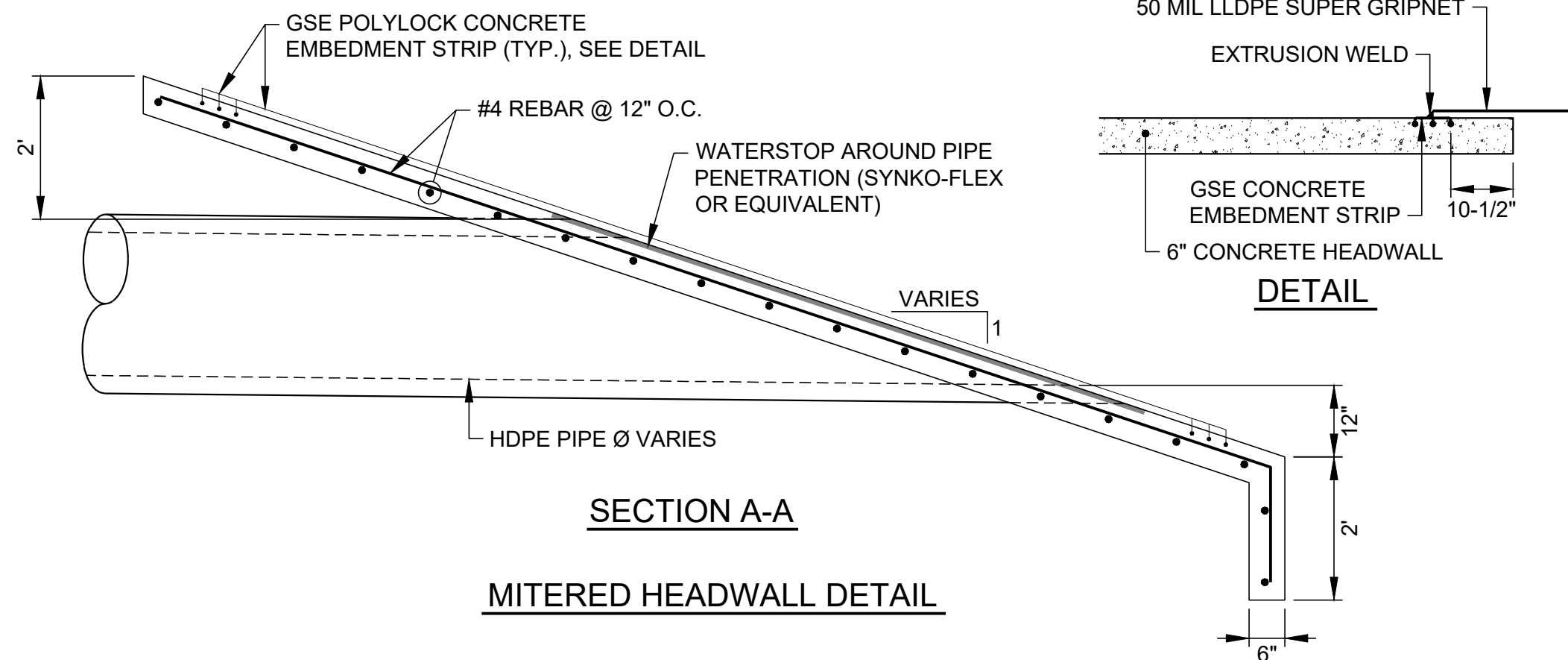
LATERAL SECTION @ DIAPHRAGM



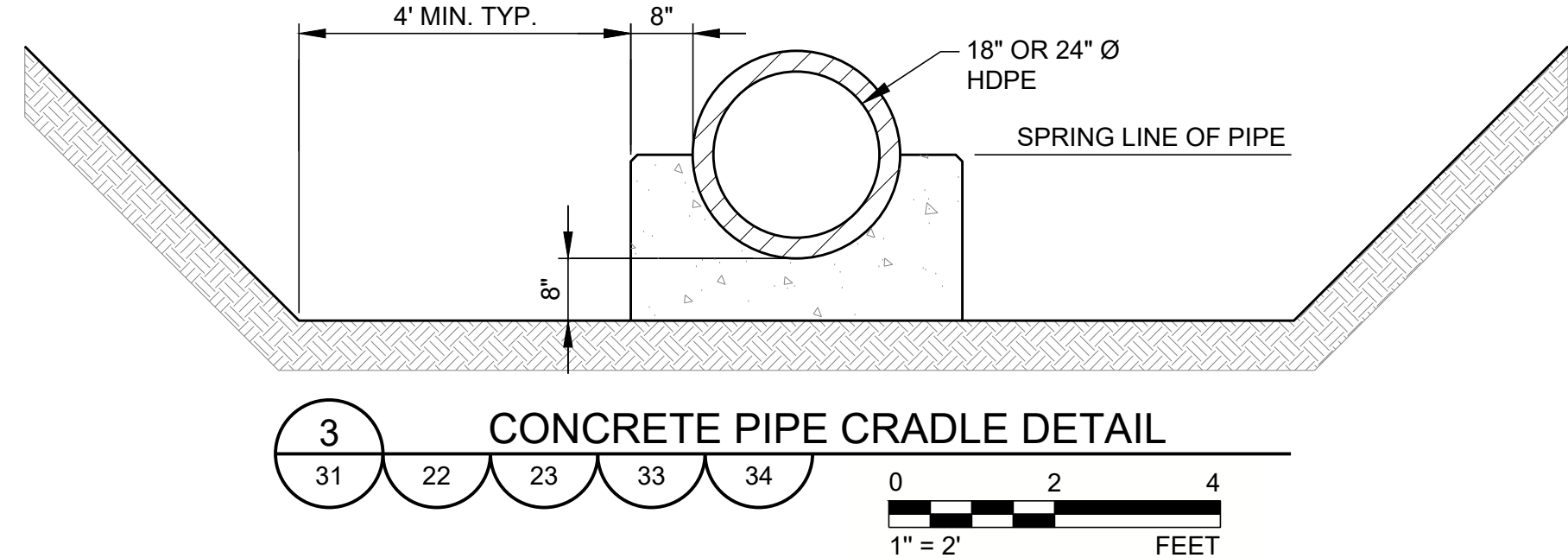
SAND FILTER DIAPHRAGM COLLAR AT EXPOSED INSTALLATIONS



SECTION A-A



MITERED HEADWALL DETAIL



FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

CLIENT
GEORGIA POWER COMPANY



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

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

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

PROJECT NO. 1777449 REV. 0 SHEET 31



IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM A31/D

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

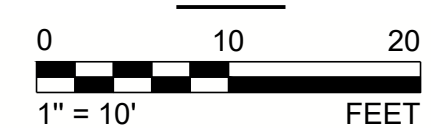
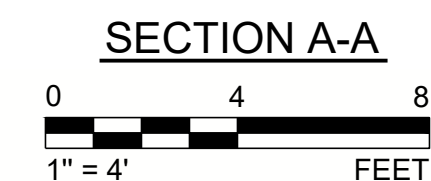
36"Ø GATE VALVE, SEE NOTE 1

2.5

INV. IN=774.6

RIP RAP CHANNEL (TYP.) SEE DETAIL

6
32 29



2 TERRACE PRESSURE RELIEF WINDOW
32



1. ALL REINFORCEMENT BARS SHALL HAVE A MINIMUM YIELD STRENGTH OF 60 KSI.
2. ALL CONCRETE SHALL HAVE A MINIMUM 2" COVER OVER REBAR. ALL CONCRETE SHALL BE 5000 PSI.
3. ALL HORIZONTAL LAPS SHALL BE A MINIMUM OF 48" FOR "CONTACT" SPLICES AND 31" FOR "NON-CONTACT" SPLICES.
4. ALL HORIZONTAL LAPS SHALL BE A MINIMUM OF 35" FOR "CONTACT" SPLICES AND 24" FOR "NON-CONTACT" SPLICES.
5. ALL EXPOSED EDGES SHALL HAVE A MINIMUM 1 INCH CHAMFER.
6. PROVIDE AIR ENTAINERFOR ALL CONCRETE USED ON WALLS AND TOP SLAB.
7. PROVIDE ADDITIONAL SUPPORTS FOR GATE VALVE:
 - A. PROVIDE VERTICAL SUPPORT UNDER THE VALVE FROM THE SLAB BELOW USING CONCRETE OR FABRICATED STEEL.
 - B. PROVIDE HORIZONTAL RESTRAINT TO THE INTERIOR WALLS AT THE CENTERLINE ELEVATION OF THE PIPE AND AT THE TOP OF THE PIPE.



0 2 4
1" = 2' FEET



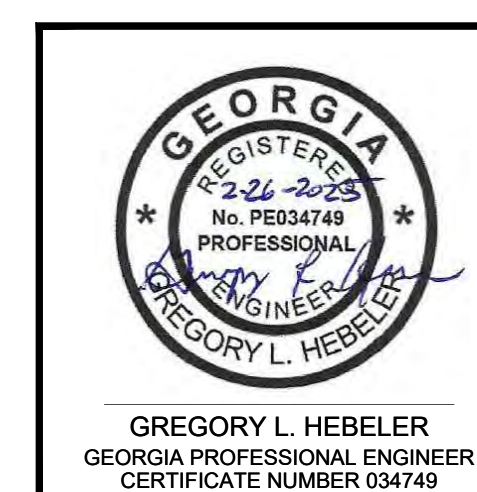
CLIENT
GEORGIA POWER COMPANY



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

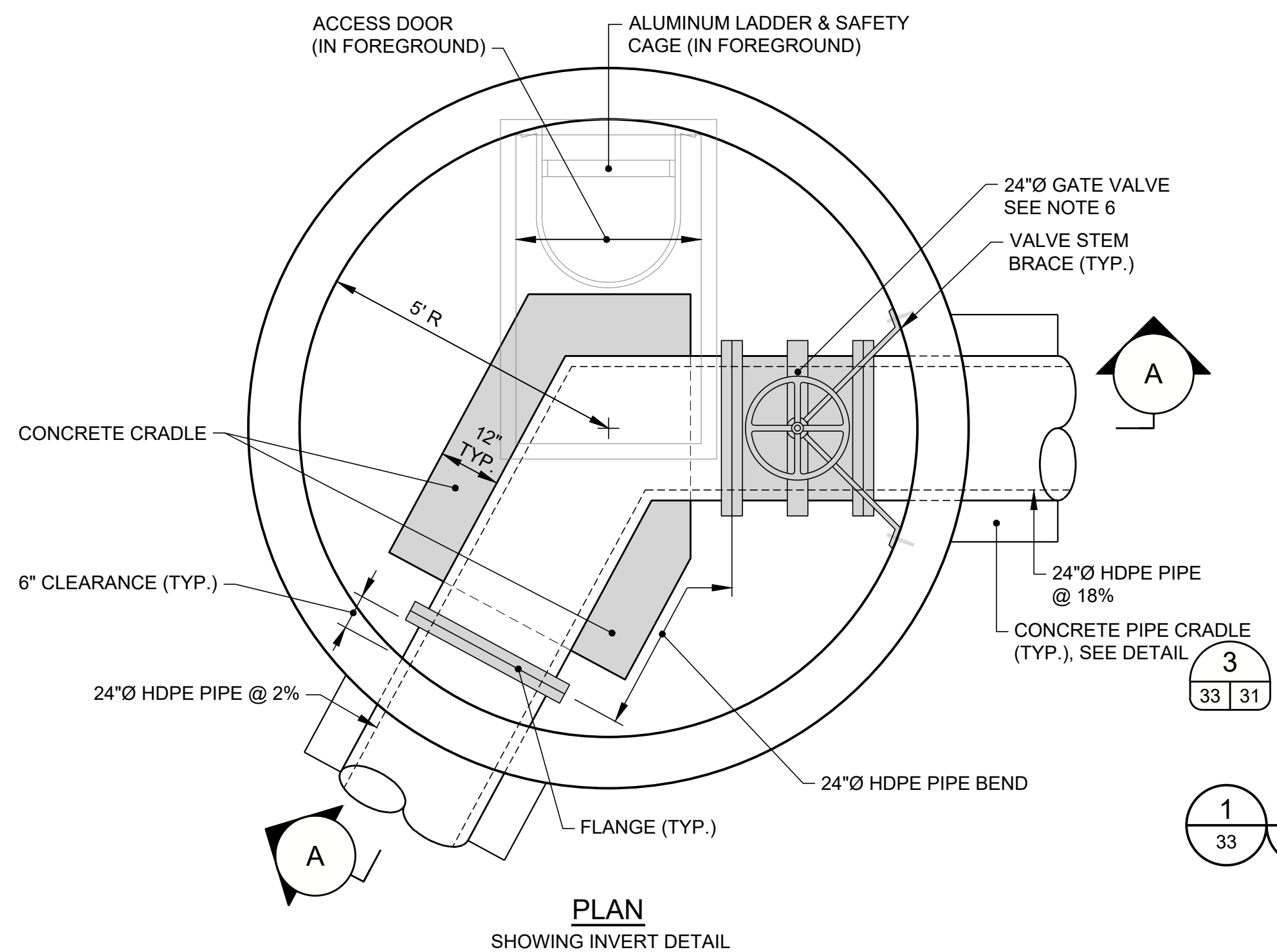
CONSULTANT	YYYY-MMM	2025-FEB
	DESIGNED	GLH
	PREPARED	RMS
	CHECKED	MP
	REVIEWED / APPROVED	GLH

SHEET
32

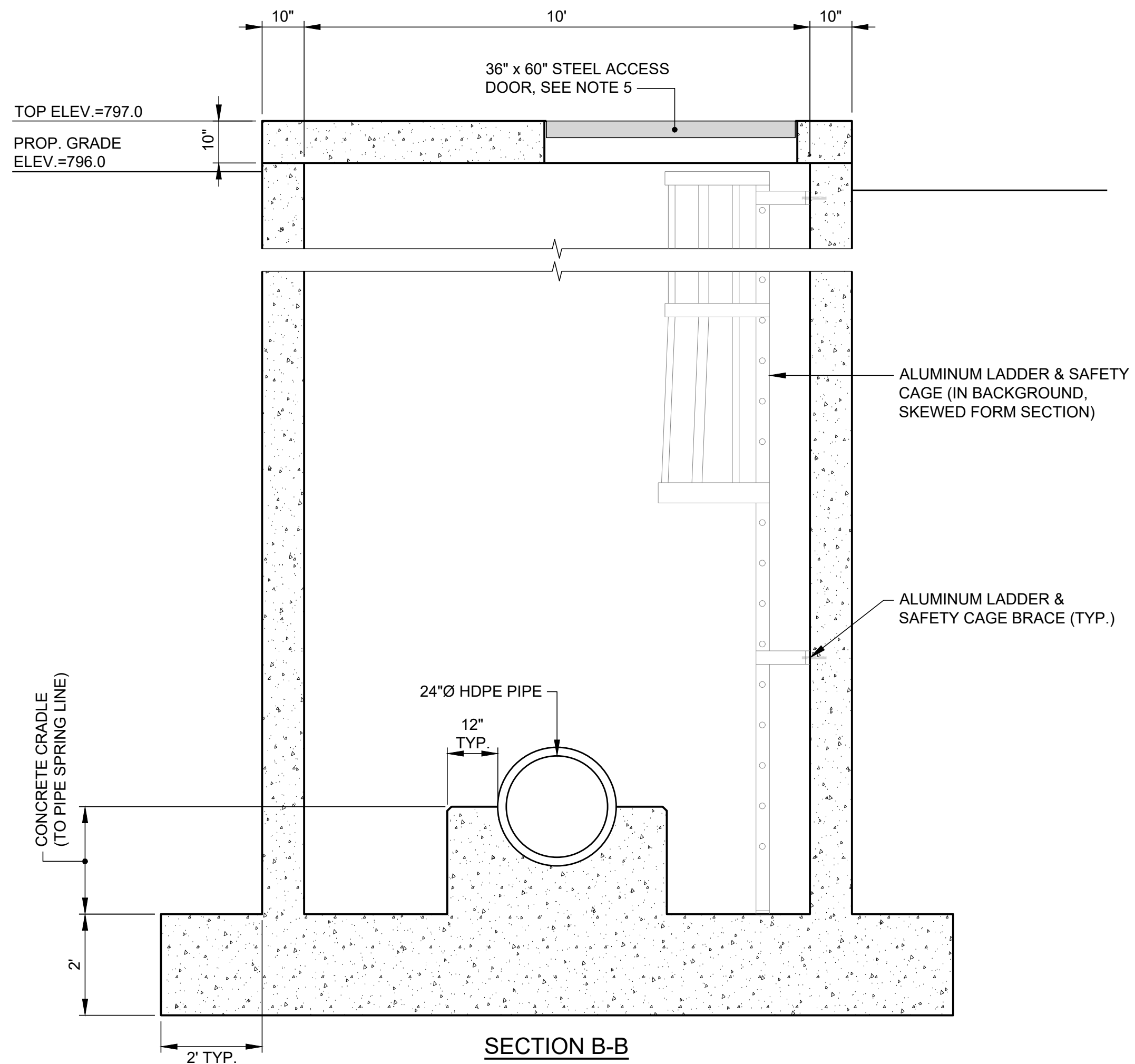
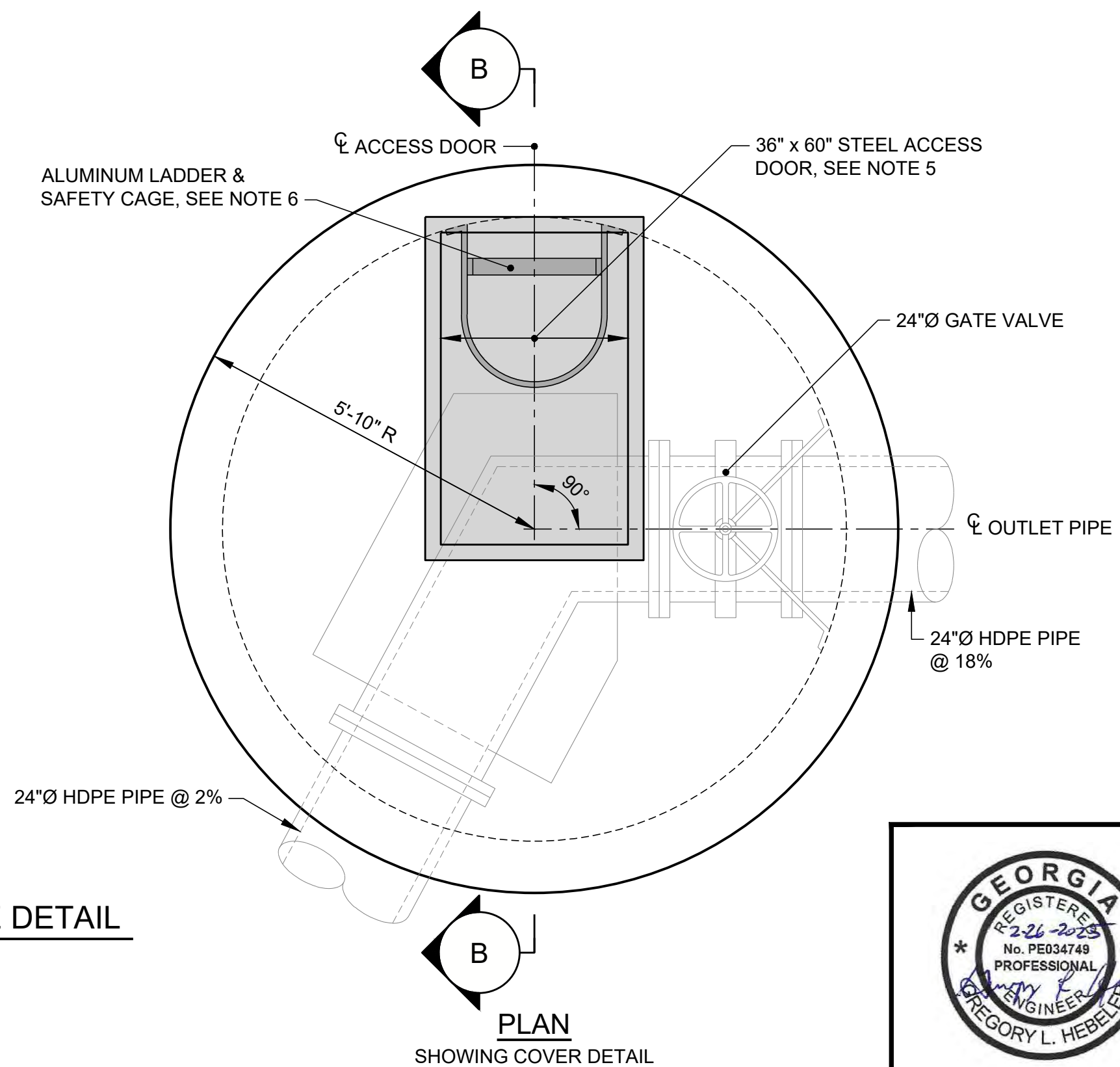




SECTION A-A



PLAN
SHOWING INVERT DETAIL

SECTION B-B

PLAN
SHOWING COVER DETAIL

NOTES

1. ALL CONCRETE TO BE 4000 PSI. ALL REINFORCEMENT SHALL BE GRADE 60.
2. ALL EXPOSED EDGES SHALL HAVE A MINIMUM ONE INCH CHAMFER.
3. REBAR SHALL HAVE A 3 INCH CONCRETE COVER WHEN POURED AGAINST GROUND SURFACE AND A 2 INCH CONCRETE COVER WHEN POURED AGAINST FORMS.
4. ON UNEXPOSED JOINTS CLOSED CELL ROUND BUTYL CORD 1/4 INCH LARGER THAN THE JOINT AS MEASURED IN THE FIELD, SHALL BE INSTALLED.
5. STEEL ACCESS DOOR AS SPECIFIED BY "HALLIDAY PRODUCTS", MODEL S1S3660 (36"x60"). OR APPROVED EQUIVALENT.
6. GATE VALVE SHALL BE A MUELLER CO. A-2361 D.I. RESILIENT WEDGE GATE VALVES - FL. X FL. OR EQUIVALENT MEETING ALL ANSI/AWWA C515 STANDARDS. INSTALLED VALVE TO BE PRESSURE TESTED IN CLOSED POSITION IN CONJUNCTION WITH TESTING OF HDPE PIPES PER THE PIPE TESTING REQUIREMENTS.
7. THE ENTIRETY OF THE 24-INCH HDPE PIPING SYSTEM WILL BE PRESSURE TESTED AND SHALL BE CONDUCTED IN ACCORDANCE WITH ASTM F 2164, FIELD LEAK TESTING OF POLYETHYLENE PRESSURE PIPING SYSTEMS USING HYDROSTATIC PRESSURE. THE HDPE PIPE SHALL BE FILLED WITH WATER, RAISED TO TEST PRESSURE AND ALLOWED TO STABILIZE. THE TEST PRESSURE SHALL BE 14 PSI WHICH IS 1.5 TIMES THE MAXIMUM OPERATING PRESSURE AT THE LOWEST POINT IN THE SYSTEM. THE PIPE SHALL PASS IF THE FINAL PRESSURE IS WITH 5% OF THE TEST PRESSURE FOR 1 HOUR. FOR SAFETY REASONS, HYDROSTATIC TESTING ONLY WILL BE USED.

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

CLIENT
GEORGIA POWER COMPANY



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

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

CONSULTANT

YYYY-MMM 2025-FEB

DESIGNED	GLH
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PREPARED	RMS
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CHECKED MP

REVIEWED / APPROVED GLH

PROJECT NO.
1777449

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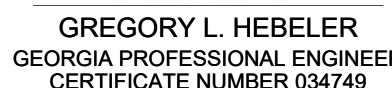
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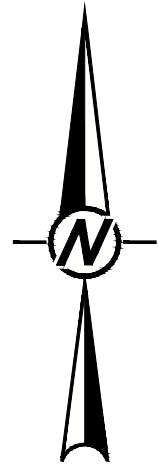


1. ALL CONCRETE TO BE 4000 PSI. ALL REINFORCEMENT SHALL BE GRADE 60.

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



NOT FOR CONSTRUCTION



LEGEND

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

REFERENCES

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

NOTES

- ELEVATIONS SHOWN OUTSIDE OF CLOSURE LIMITS ARE BASED ON MARCH 2018 TOPOGRAPHY AND MAY NOT REPRESENT CURRENT CONDITIONS.
- INSTRUMENTATION, DEWATERING WELLS AND EXISTING PIEZOMETERS AND TOE DRAINS WITHIN EXCAVATION AREAS TO BE MAINTAINED, PROTECTED AND LOWERED AS NECESSARY THROUGHOUT CONSTRUCTION. IF DAMAGED THEY SHALL BE REPLACED IN KIND UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- NO INSTRUMENTATION OR AEM AND TOE DRAIN WATER MANAGEMENT INFRASTRUCTURE IN AP-2.
- AEM WATER PIPING IS DUAL CONTAINED WHEN OUTSIDE LIMITS OF CCR.
- A WATERSHED SOLAR POWERCAP® PILOT SOLAR INSTALLATION IS INSTALLED ON THE SOUTHWEST SLOPE OF AP-3/4. THE POWERCAP® SYSTEM IS A DIRECT SURFACE INSTALLATION WHICH CONSISTS OF A SOLAR ARRAY PLACED ON THE CLOSURETURF ENGINEERED COVER SYSTEM. THE PILOT SOLAR INSTALLATION WAS COMPLETED ON JANUARY 31, 2019 AND COVERS AN AREA OF 0.07 ACRES.

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION



CLIENT
GEORGIA POWER COMPANY



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

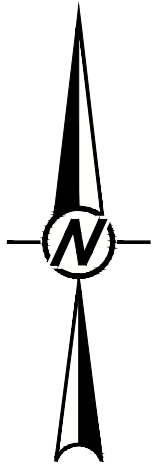
TITLE
POST-CLOSURE CONTACT WATER MANAGEMENT AND
INSTRUMENTATION PLAN

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

PROJECT NO. 1777449 REV. 0 SHEET 35

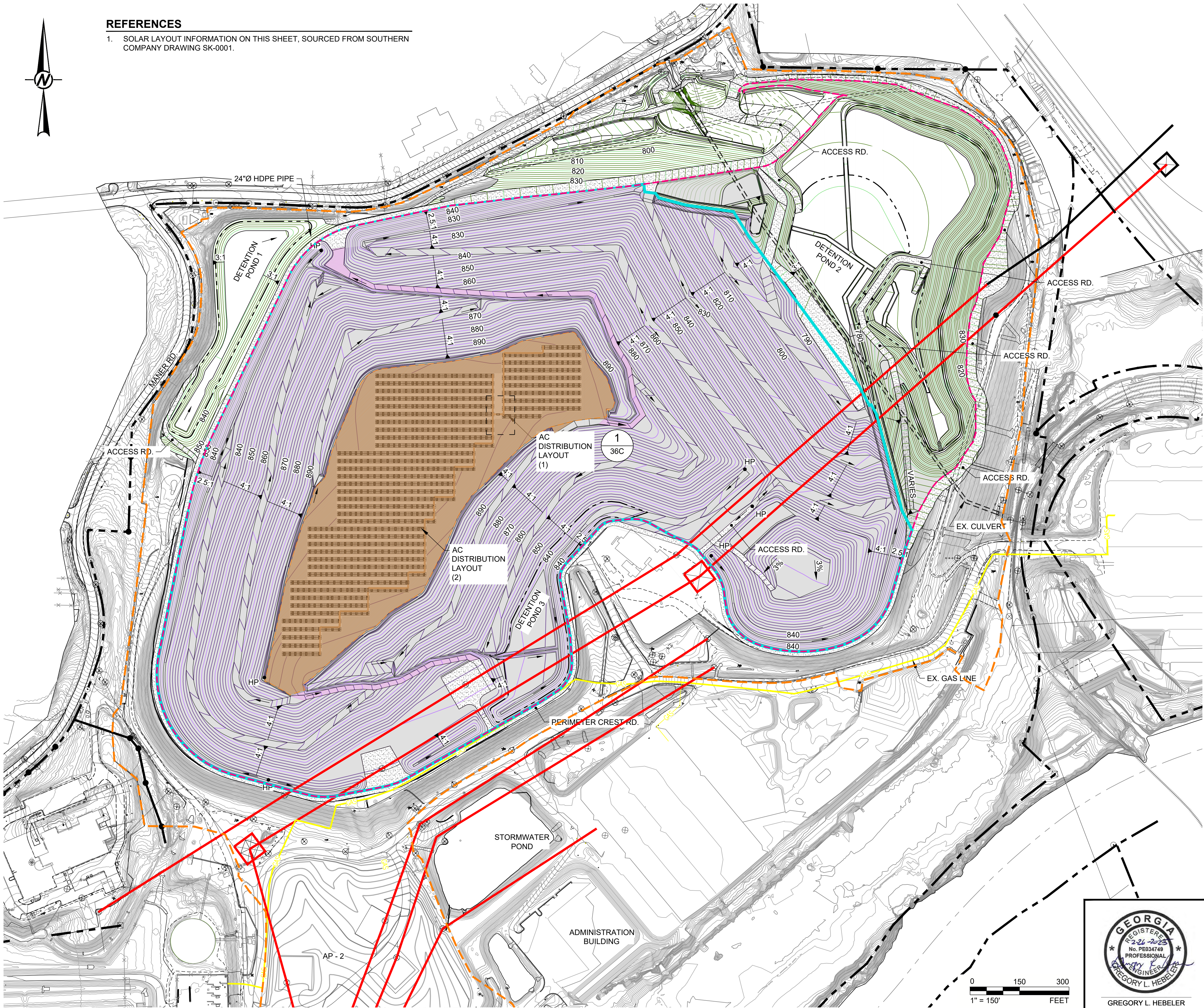


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REFERENCES

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



LEGEND

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

NOTES

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

REFERENCES

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

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

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

CLIENT
GEORGIA POWER COMPANY



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

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

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



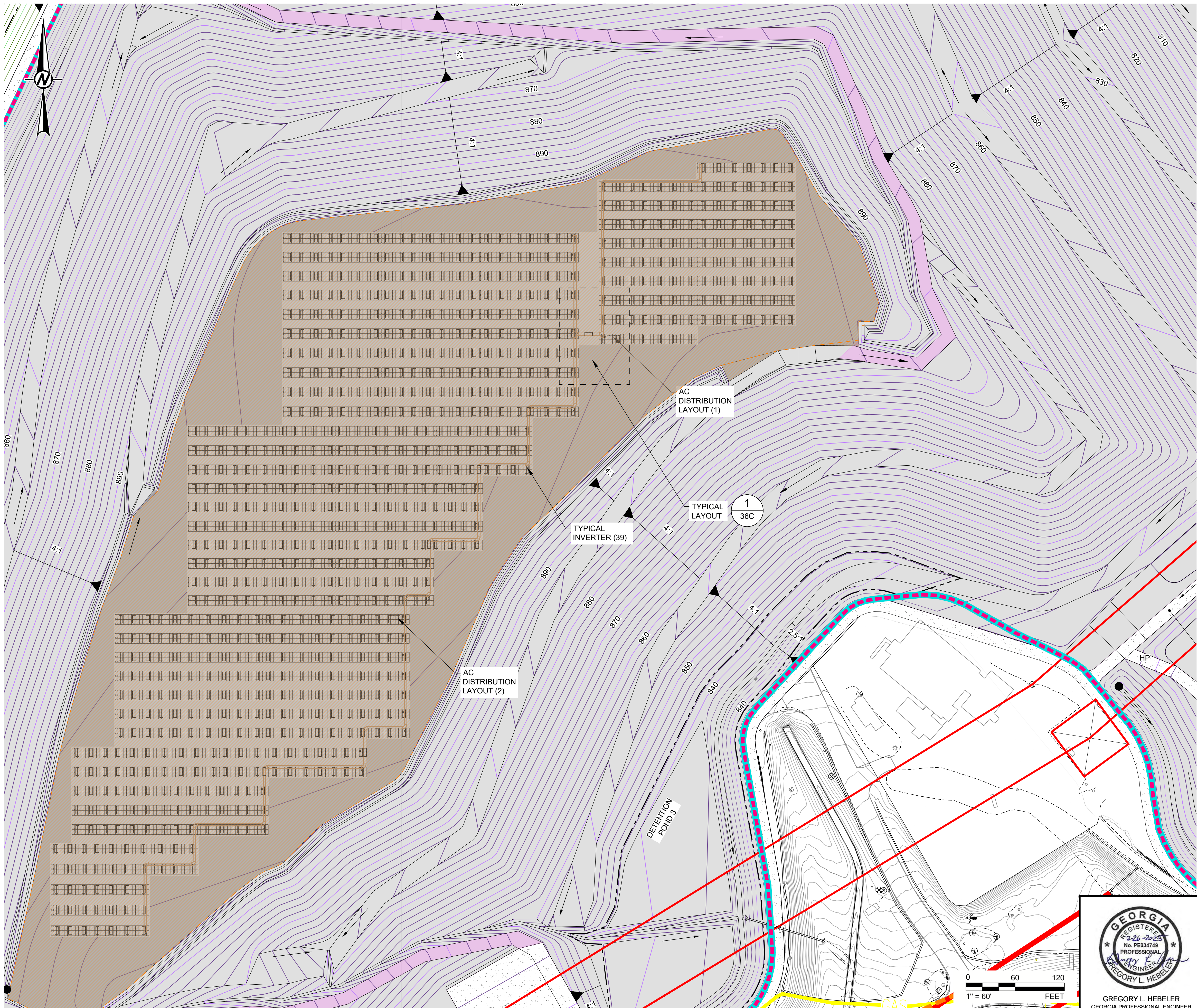
PROJECT NO. 1777449 REV. 0 SHEET 36A



0 150 300
1" = 150' FEET

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM A36 D

Path: V:\wp\p\w\atl\US\Centra\Draw\US\TL200\Centra\Southern Company\1777449 Plant McDonough\Permitting\Solar Permitting\Production | File Name: 1777449 36A-36B FUTURE SITE DEVELOPMENT PLAN.dwg



LEGEND

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

NOTES

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

REFERENCES

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

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

CLIENT
GEORGIA POWER COMPANY



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

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

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



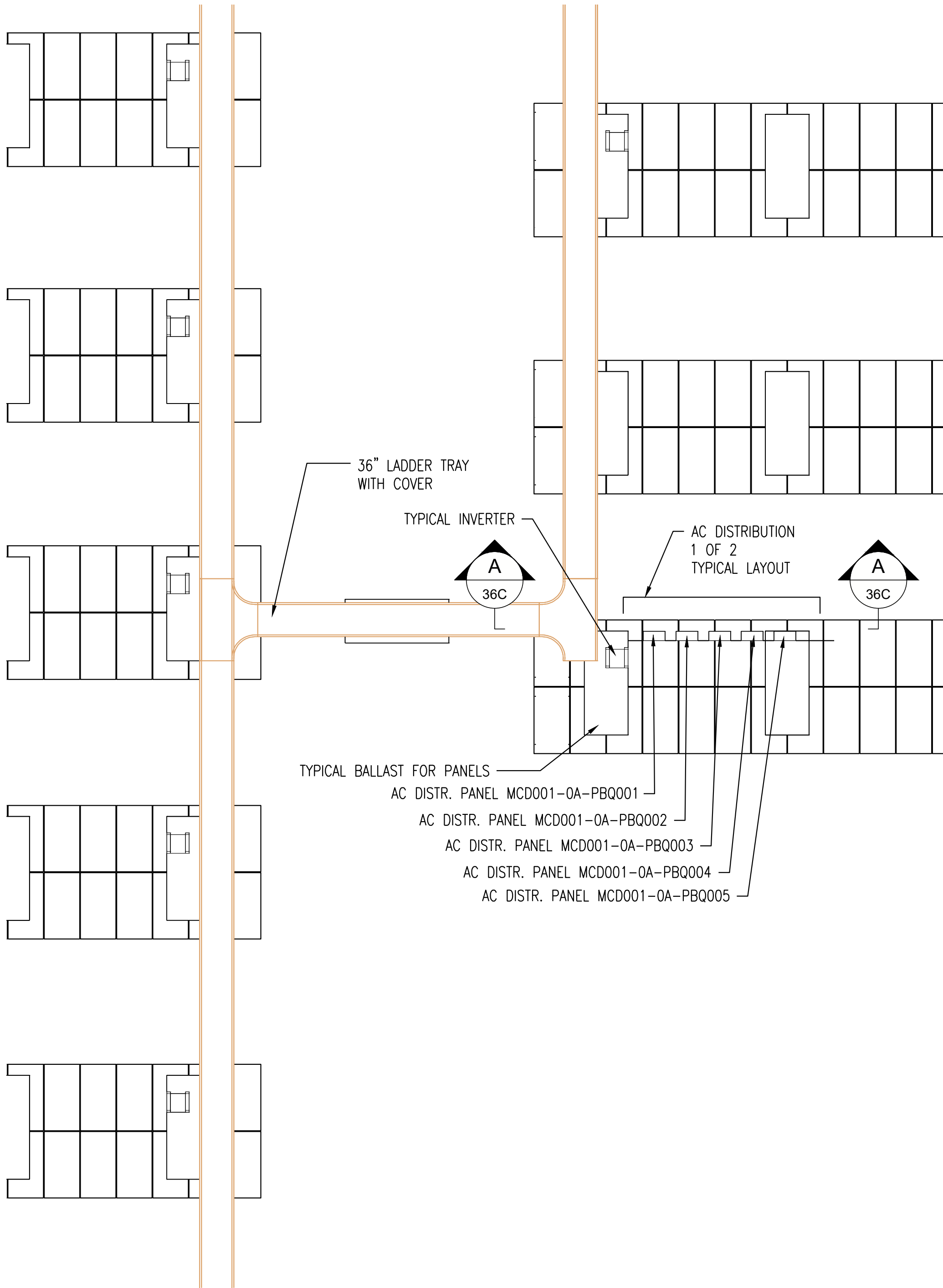
PROJECT NO.
1777449

REV.
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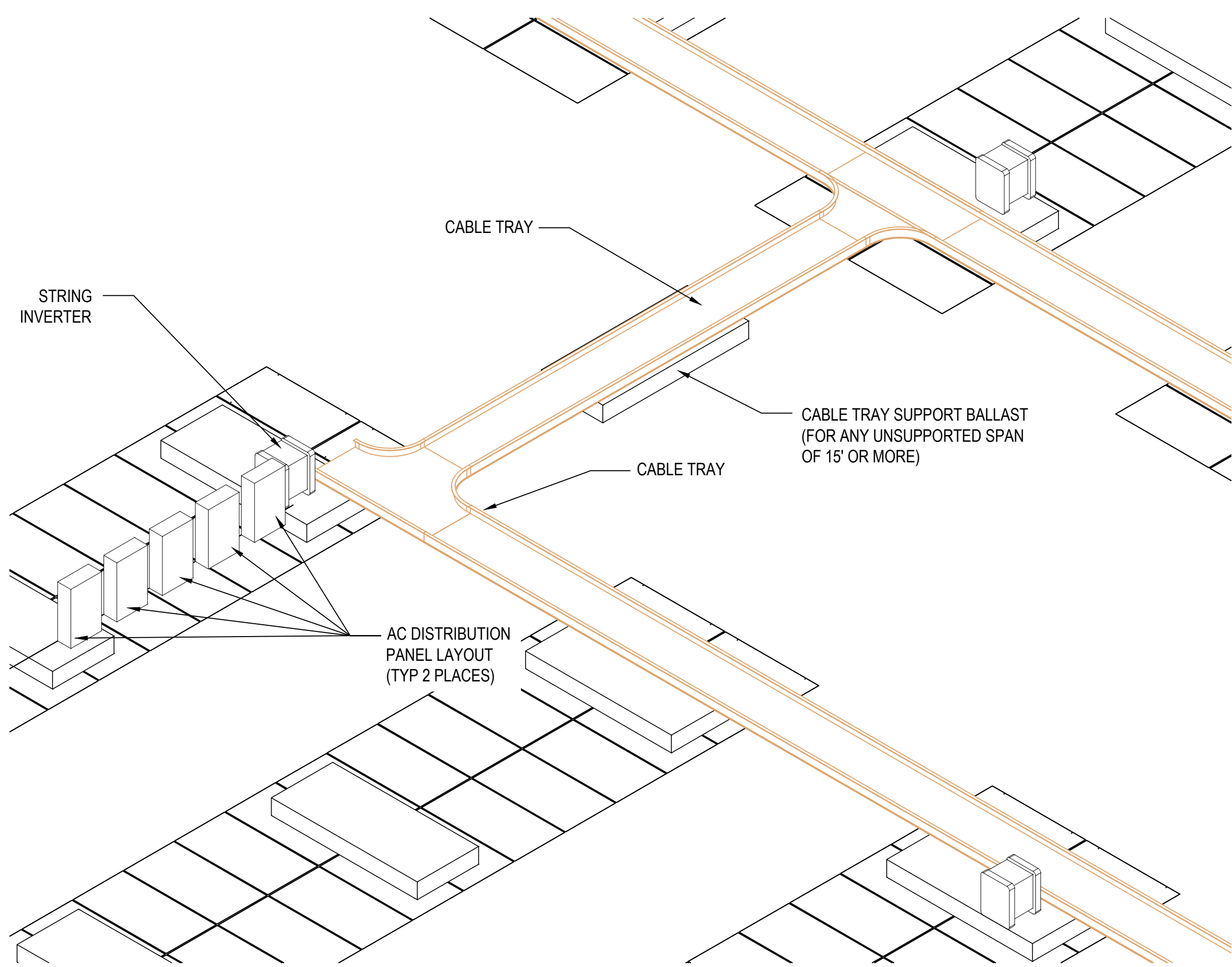
SHEET
36B

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

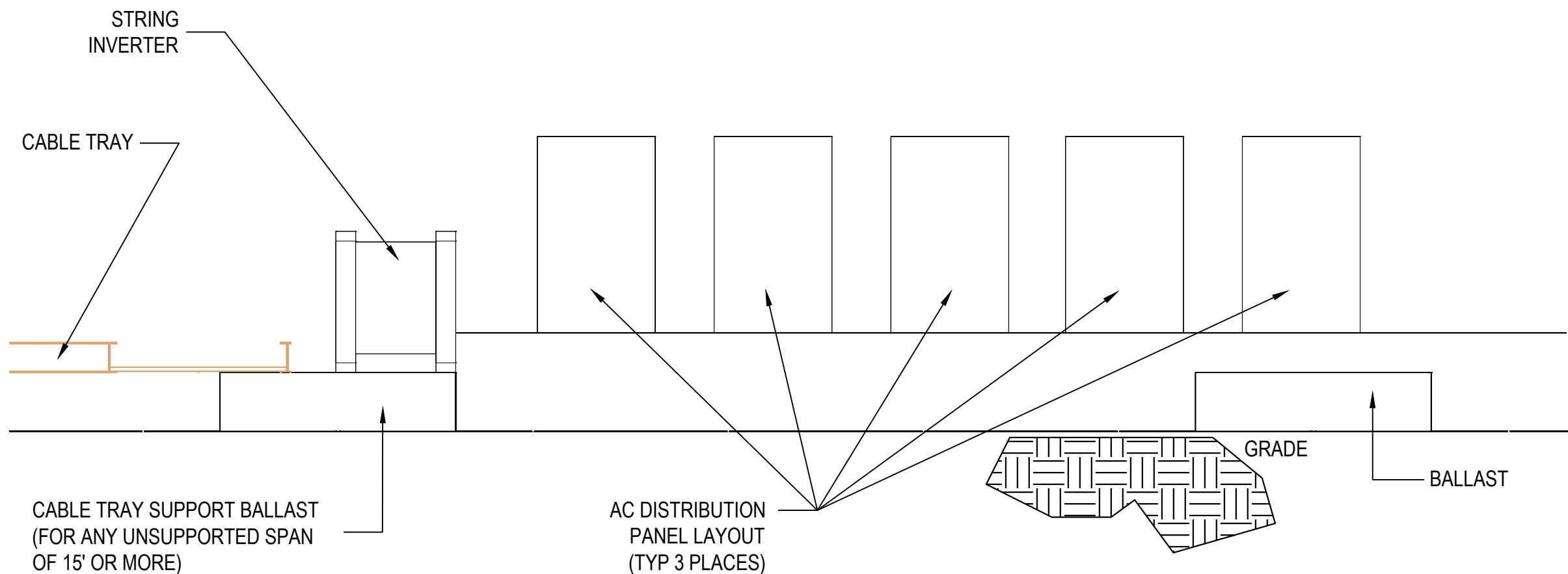
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N.T.S. 1 36C TYPICAL AC DISTRIBUTION LAYOUT



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



N.T.S. A 36C SECTION A

REFERENCES

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

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

CLIENT
GEORGIA POWER COMPANY



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

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

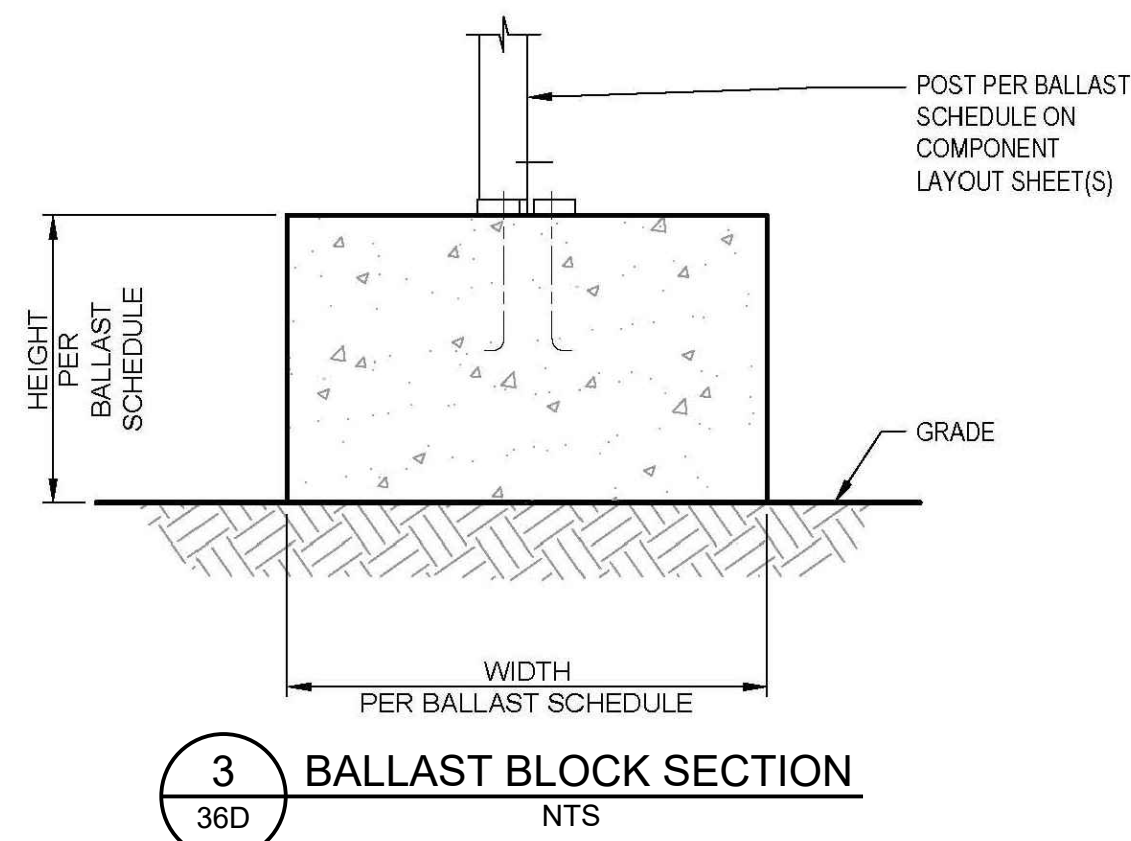
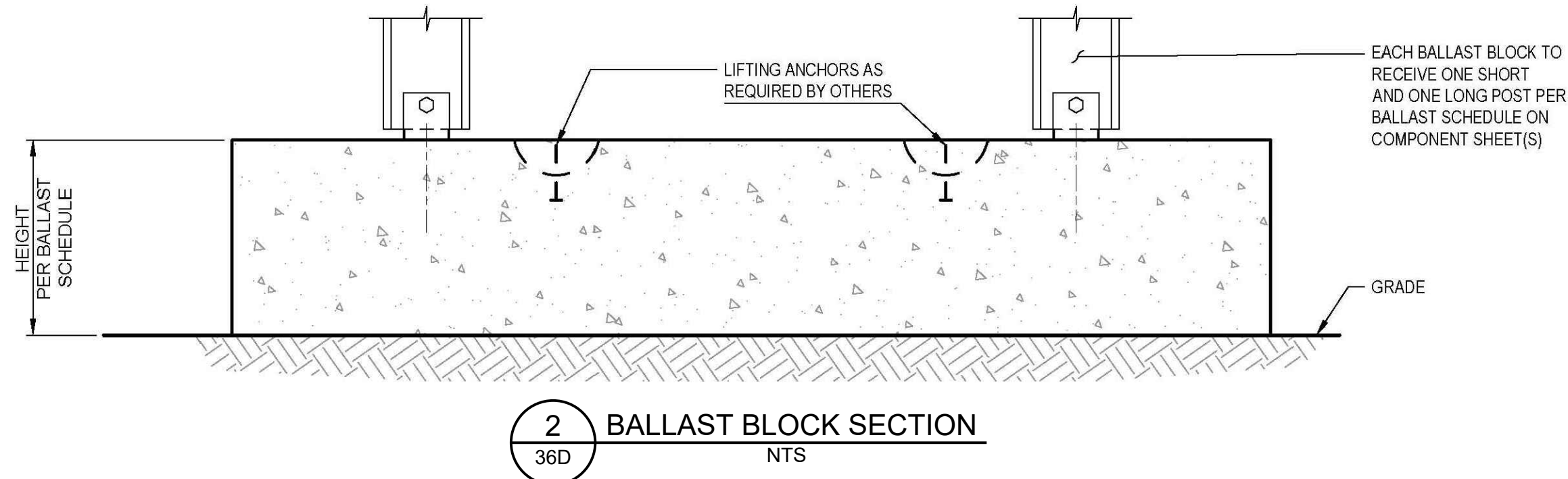
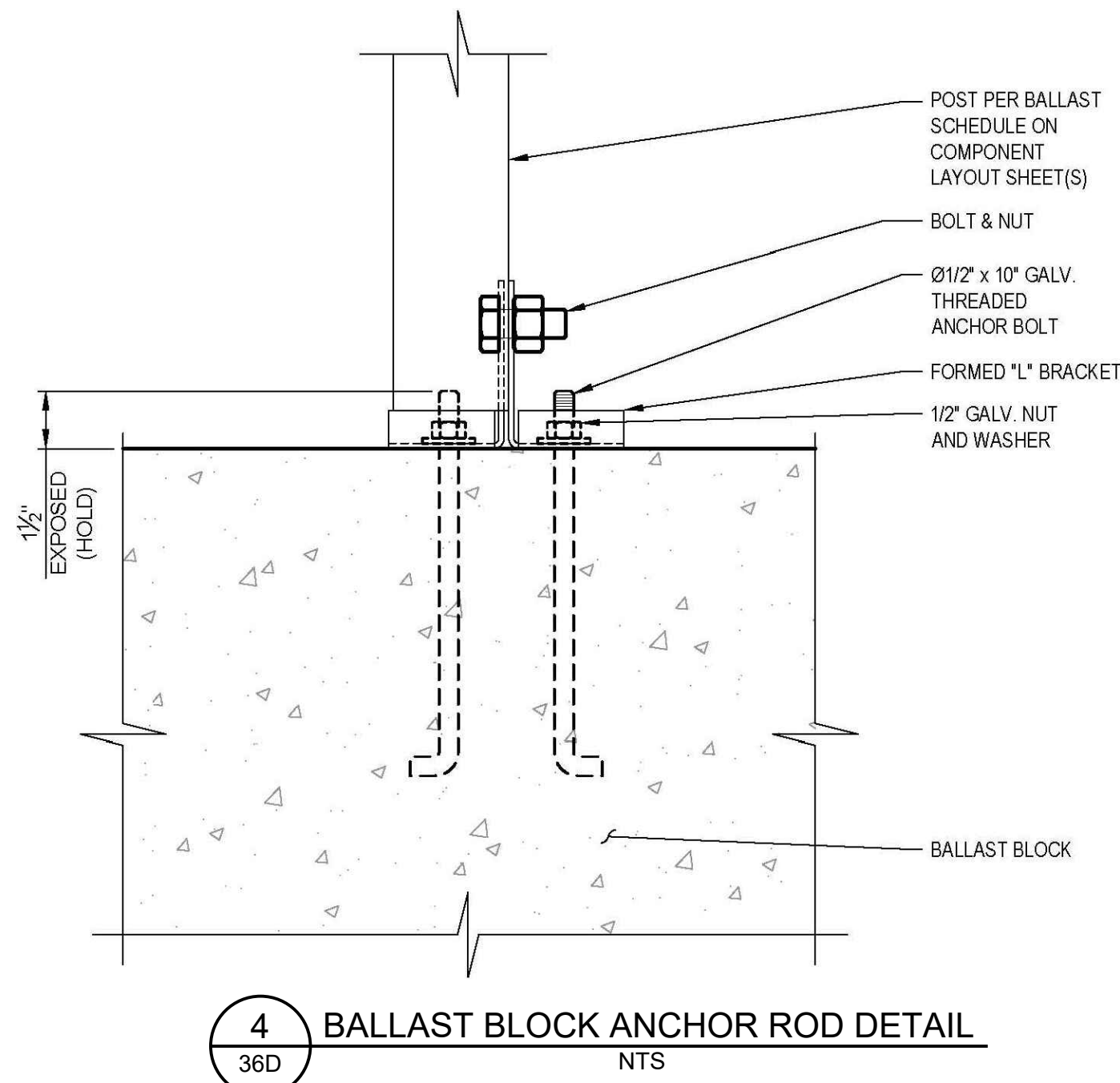
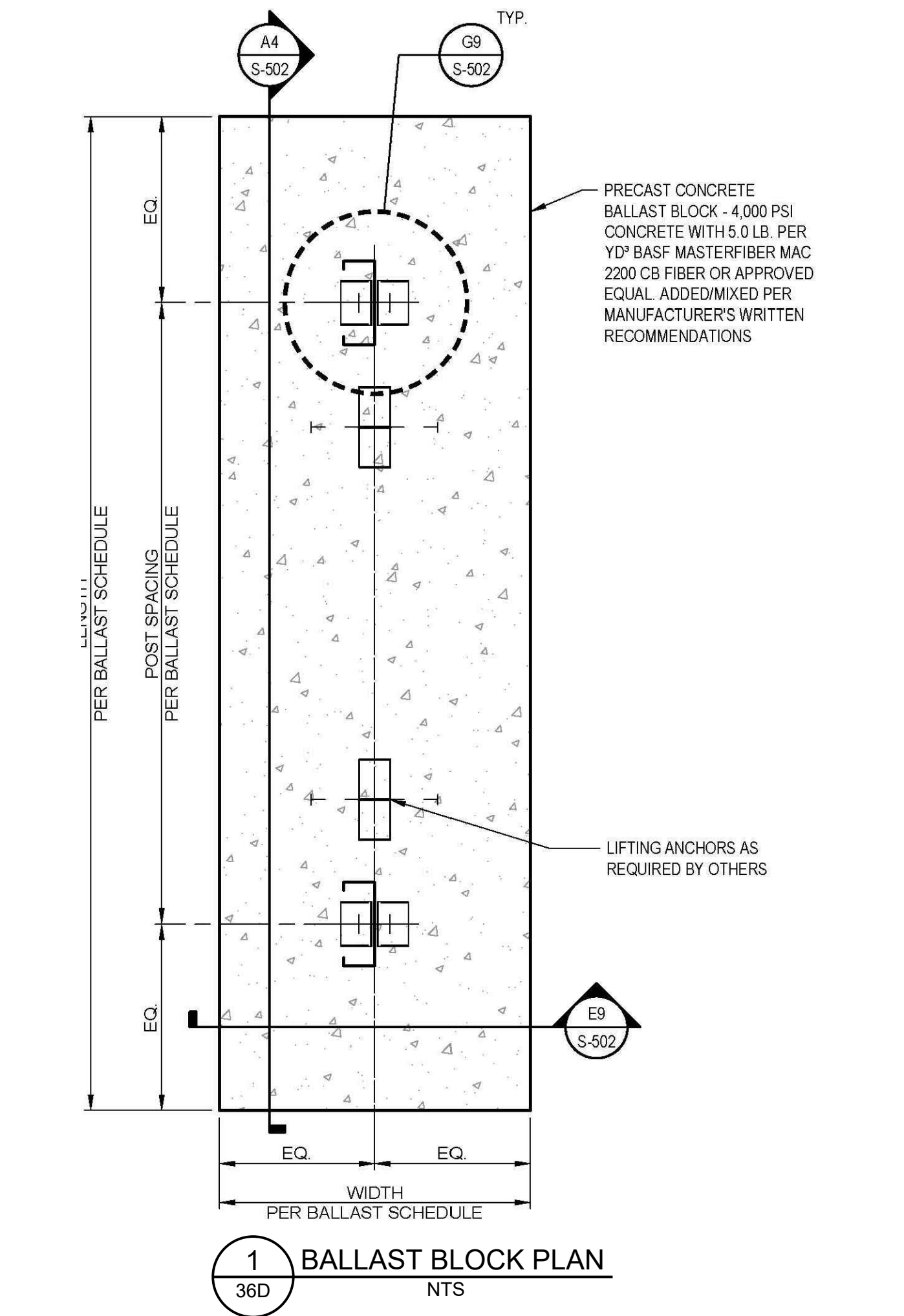
CONSULTANT	YYYY-MMM	2025-FEB
DESIGNED	GLH	
PREPARED	AVR	
CHECKED	LS	
REVIEWED / APPROVED	GLH	

PROJECT NO. 1777449 REV. 0 SHEET 36C



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

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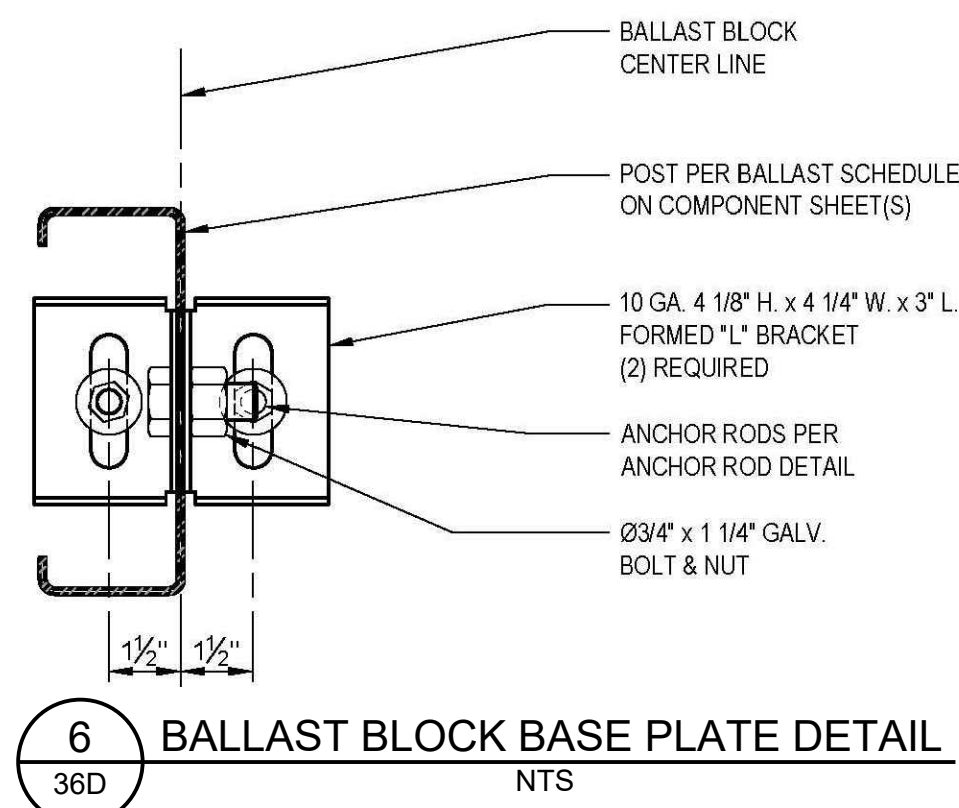
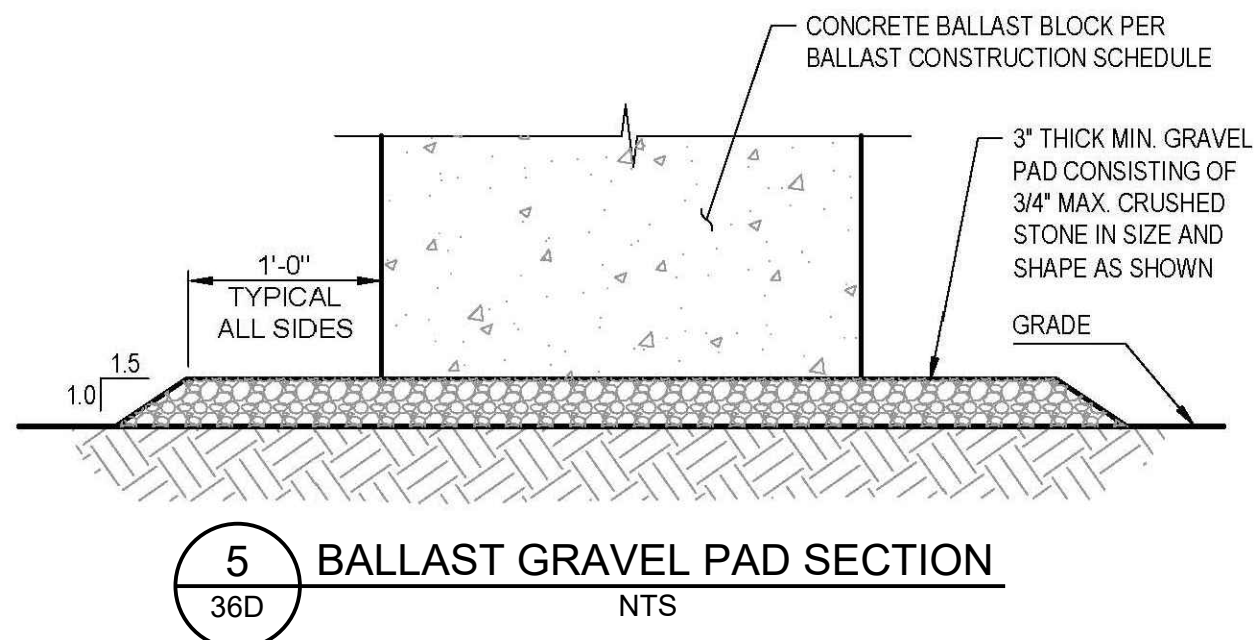
BALLAST BLOCK BASE PLATE DETAIL

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

BALLAST BLOCK BASE PLATE DETAIL

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

NOTE:
GRAVEL PAD AS NEEDED WHERE BALLAST LEVELING IS REQUIRED DUE TO SLOPE OF GRADE - SEE SECTION C8/S-502. APPROVED COMPACTION METHODS INCLUDE 1 TO 2 PASSES WITH THE BACK OF AN EXCAVATOR BUCKET, A VIBRATING COMPACTOR PLATE, OR A WHACKER PLATE COMPACTOR.



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

**FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION**

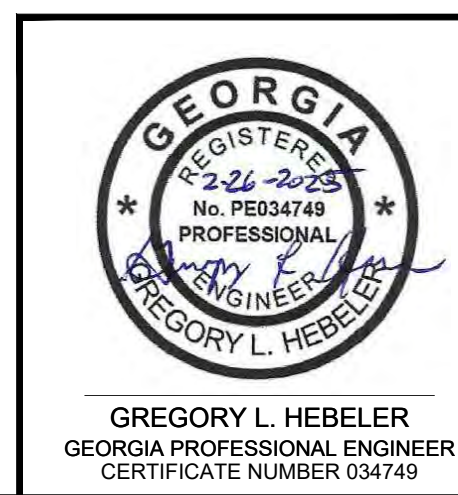
CLIENT
GEORGIA POWER COMPANY



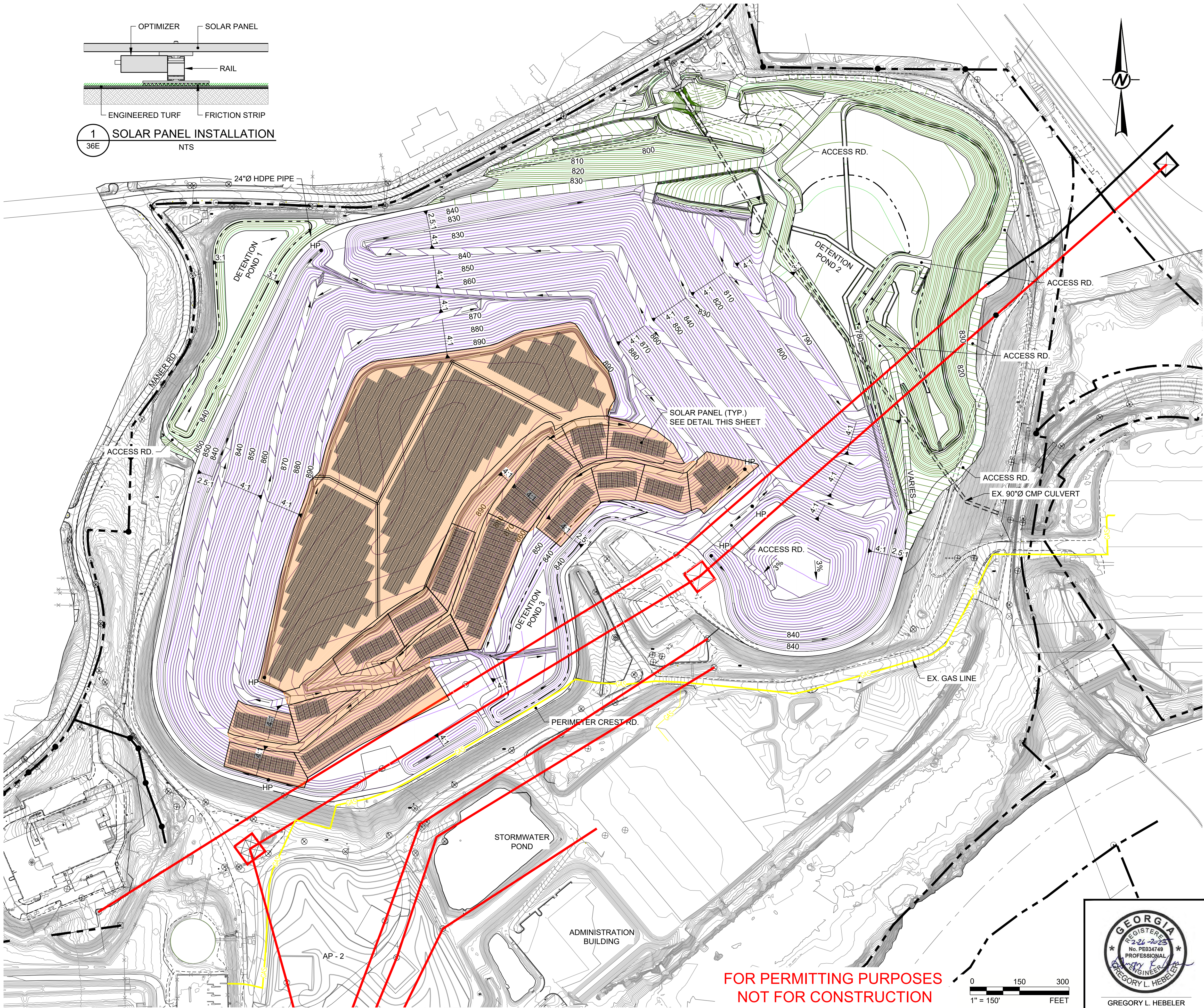
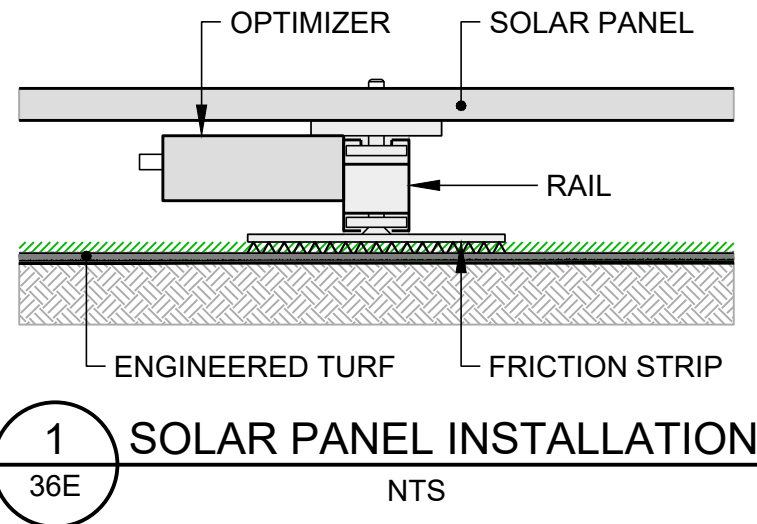
PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

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

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



PROJECT NO. 1777449
REV. 0
SHEET 36D



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

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

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

PROPOSAL SPECIFICATIONS						
SYSTEM SIZE DC (kW)	7,756					
SYSTEM SIZE AC (kW)	6,255					
DC TO AC RATIO	1.24					
MODULE INFORMATION	(16,159) Q CELLS, Q PEAK DUO XL-G10.3/BFG 480W					
STRING INFORMATION	(700) PARALLELED STRINGS (10 AWG-COPPER)					
INVERTER INFORMATION	(50) CPS SCH125KTL-DOLUS-600					
PANELS PER STRING	20-25					
INTERCONNECTION VOLTAGE	MEDIUM VOLTAGE (12.47 kV)					
RACKING DETAILS	POWERCAP FLUSH-MOUNT					
SITE COORDINATES	33.818, -84.481					
GROUND SNOW LOAD (PSF)	0					
ARRAY INFORMATION						
ARRAY NO.	AZIMUTH (SOUTH=180°)	TILT ANGLE	NO. OF MODULES	ROW SPACING	SETBACK	kW DC
ARY-1: TOP DECK	208°	0°	10,530	2 FT	20 FT	5,054.4
ARY-2: EAST SLOPE 1	139°	13.5°	312	2 FT	20 FT	149.8
ARY-3: EAST SLOPE 2	194°	13.5°	182	2 FT	20 FT	87.4
ARY-4: EAST SLOPE 3	177°	13.5°	182	2 FT	20 FT	87.4
ARY-5: EAST SLOPE 4	130°	13.5°	286	2 FT	20 FT	137.3
ARY-6: EAST SLOPE 5	192°	13.5°	260	2 FT	20 FT	124.8
ARY-7: EAST SLOPE 6	166°	13.5°	260	2 FT	20 FT	124.8
ARY-8: EAST SLOPE 7	129°	13.5°	754	2 FT	20 FT	361.9
ARY-9: EAST SLOPE 8	110°	13.5°	1,014	2 FT	20 FT	486.7
ARY-10: EAST SLOPE 9	111°	13.5°	312	2 FT	20 FT	149.8
ARY-11: SE SLOPE 1	153°	13.5°	221	2 FT	20 FT	106.1
ARY-12: SE SLOPE 2	150°	13.5°	208	2 FT	20 FT	99.8
ARY-12: SE SLOPE 3	150°	13.5°	208	2 FT	20 FT	99.8
ARY-12: SOUTH SLOPE 1	147°	13.5°	703	2 FT	20 FT	337.0
ARY-12: SOUTH SLOPE 2	191°	13.5°	312	2 FT	20 FT	149.8
ARY-12: SOUTH SLOPE 3	165°	13.5°	156	2 FT	20 FT	74.9
ARY-12: SOUTH SLOPE 4	191°	13.5°	260	2 FT	20 FT	124.8
TOTAL	N/A	N/A	16,159	N/A	N/A	7,756.5

CLIENT
GEORGIA POWER COMPANY



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

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

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

PROJECT NO. 1777449
REV. 0
SHEET 36E



FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

0 150 300
1" = 150' FEET

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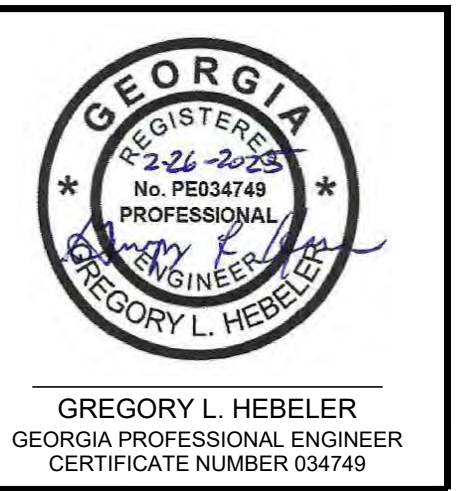


- LEGEND**
- PROPERTY LINE
 - PERMIT BOUNDARY AP2, AP-3/4
 - APPROXIMATE PRE-CLOSURE CCR LIMITS (SEE NOTE 6)
 - 25' STREAM BUFFER
 - FLOODPLAIN (APPROXIMATE) (100 YR)
 - PRE-CLOSURE CONTOURS
 - EXISTING FENCE LINE
 - EXISTING LIGHT POLE
 - EXISTING GAS LINE
 - EXISTING ELECTRICAL
 - EXISTING TRANSMISSION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

- NOTES**
- COORDINATE SYSTEM IS GEORGIA STATE PLANE NAD 83 (1994), WEST ZONE.
 - EXISTING CONTOURS SHOWN ON THIS PLAN ARE AT 1' INTERVALS.
 - SEE SHEET 1 FOR DRAWING INDEX.
 - ALL MISCELLANEOUS EXISTING STRUCTURES REMOVED BY OTHERS.
 - PIPES TO BE ABANDONED VIA A COMBINATION OF REMOVAL AND GROUTING OF REMAINING PORTIONS.
 - CCR DELINEATION IS ONGOING THROUGHOUT CONSTRUCTION AND WILL CONTINUE UNTIL THE COMPLETION OF CLOSURE CERTIFICATION. ALL CCR WITHIN THE CLOSURE PERMIT BOUNDARY TO BE EITHER EXCAVATED OR PLACED WITHIN THE FINAL COVER LIMITS.

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

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION



CLIENT
GEORGIA POWER COMPANY



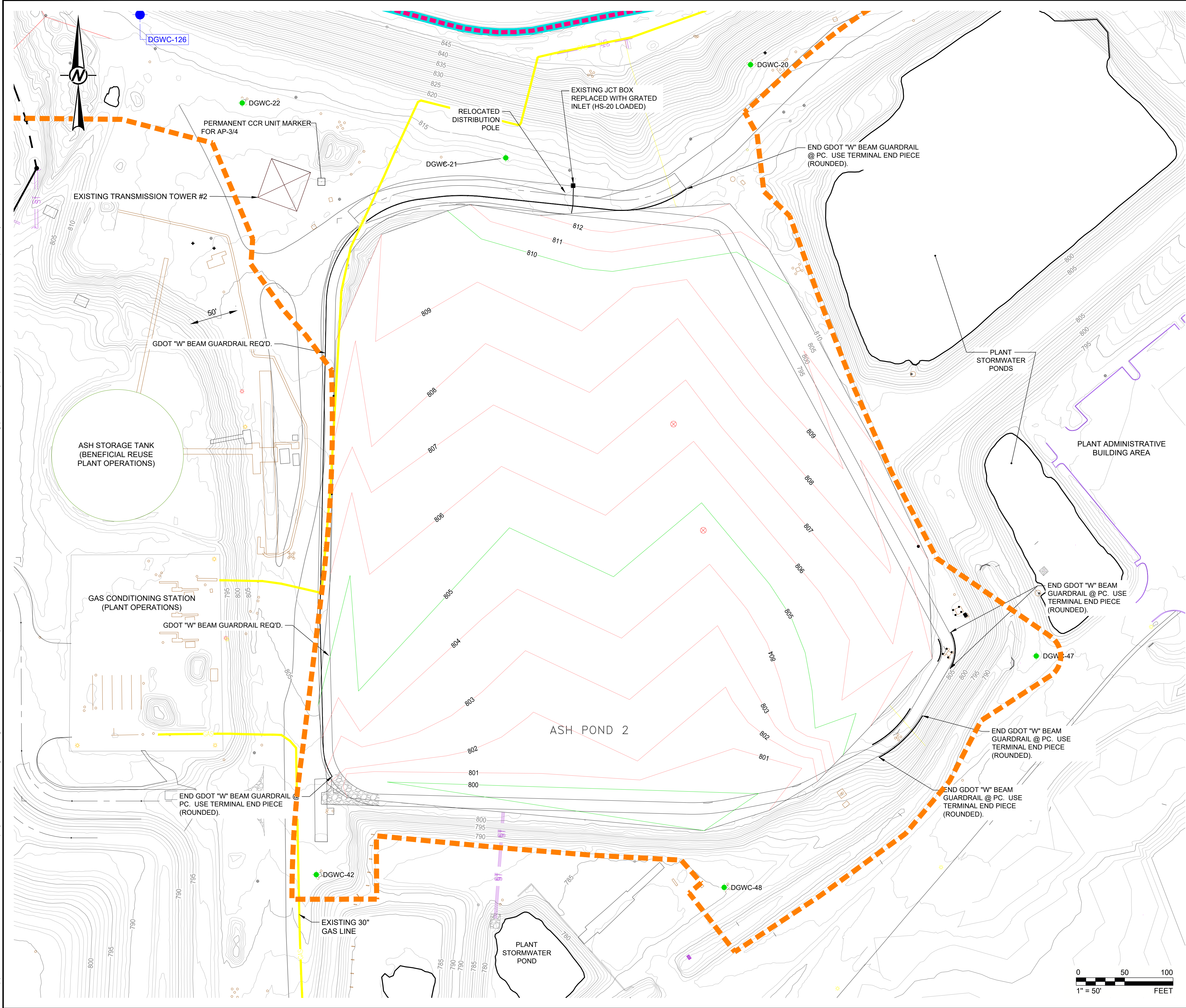
PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE
TITLE
PRE-CLOSURE CONDITIONS - AP-2

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

PROJECT NO. 1777449 REV. 0 SHEET 37

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

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LEGEND

PROPERTY LINE

PROPOSED PERMIT BOUNDARY AP2, AP-3/4

EXISTING CONTOURS (MARCH 2018)

FINAL CLOSURE CONTOURS

EXISTING FENCE LINE

EXISTING LIGHT POLE

EXISTING SANITARY SEWER

EXISTING GAS LINE

EXISTING STORM LINE

EXISTING ELECTRICAL

EXISTING TRANSMISSION STRUCTURE

FINAL LIMITS OF LINER

FINAL LIMITS OF CCR

DGWC-XX AP-2, 3/4 DETECTION MONITORING WELL (SEE REFERENCE 3)

DGWC-XXX PROPOSED DETECTION MONITORING WELL

NOTES

1. PLANT OPERATIONS AND MAINTENANCE WILL OCCUR WITHIN THE PERMIT BOUNDARY BUT OUTSIDE THE LIMITS OF THE CCR CONSOLIDATION AREA (E.G. OUTSIDE THE FINAL CCR BOUNDARY AND FINAL COVER SYSTEM). ACTIVITIES NOT DIRECTLY AFFECTING THE CCR CONSOLIDATION OR FINAL COVER SYSTEM, SUCH AS THOSE NEEDED TO CONSTRUCT, MAINTAIN, REPLACE OR REPAIR SYSTEMS FOR ELECTRIC POWER GENERATION OR ITS DELIVERY (SUCH AS SUBSURFACE PIPING, ELECTRICAL APPURTENANCES, TRANSMISSION STRUCTURES, ETC.) MAY BE CONDUCTED AT THE PERMITTEE'S DISCRETION.

2. PERMANENT MARKER FOR AP-2 WAS INSTALLED IN SEPTEMBER 2021.

3. GRADES SHOWN WITHIN LIMITS OF AP-2 ARE DESIGN GRADES FOLLOWING CCR REMOVAL. THESE DESIGN GRADES MAY VARY FROM EXISTING CONDITIONS.

REFERENCES

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

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

GEORGIA

REGISTERED

2-21-2025

No. PE034748

PROFESSIONAL

ENGINEER

GREGORY L. HEBELER

GREGORY L. HEBELER
GEORGIA PROFESSIONAL ENGINEER
CERTIFICATE NUMBER 034749

CLIENT
GEORGIA POWER COMPANY

Georgia
Power

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

TITLE
POST-EXCAVATION CONDITIONS - AP-2 CLOSURE

CONSULTANT

wsp

YYYY-MM-DD

2025-FEB

DESIGNED

GLH

PREPARED

RMS

CHECKED

MP

REVIEWED / APPROVED

GLH

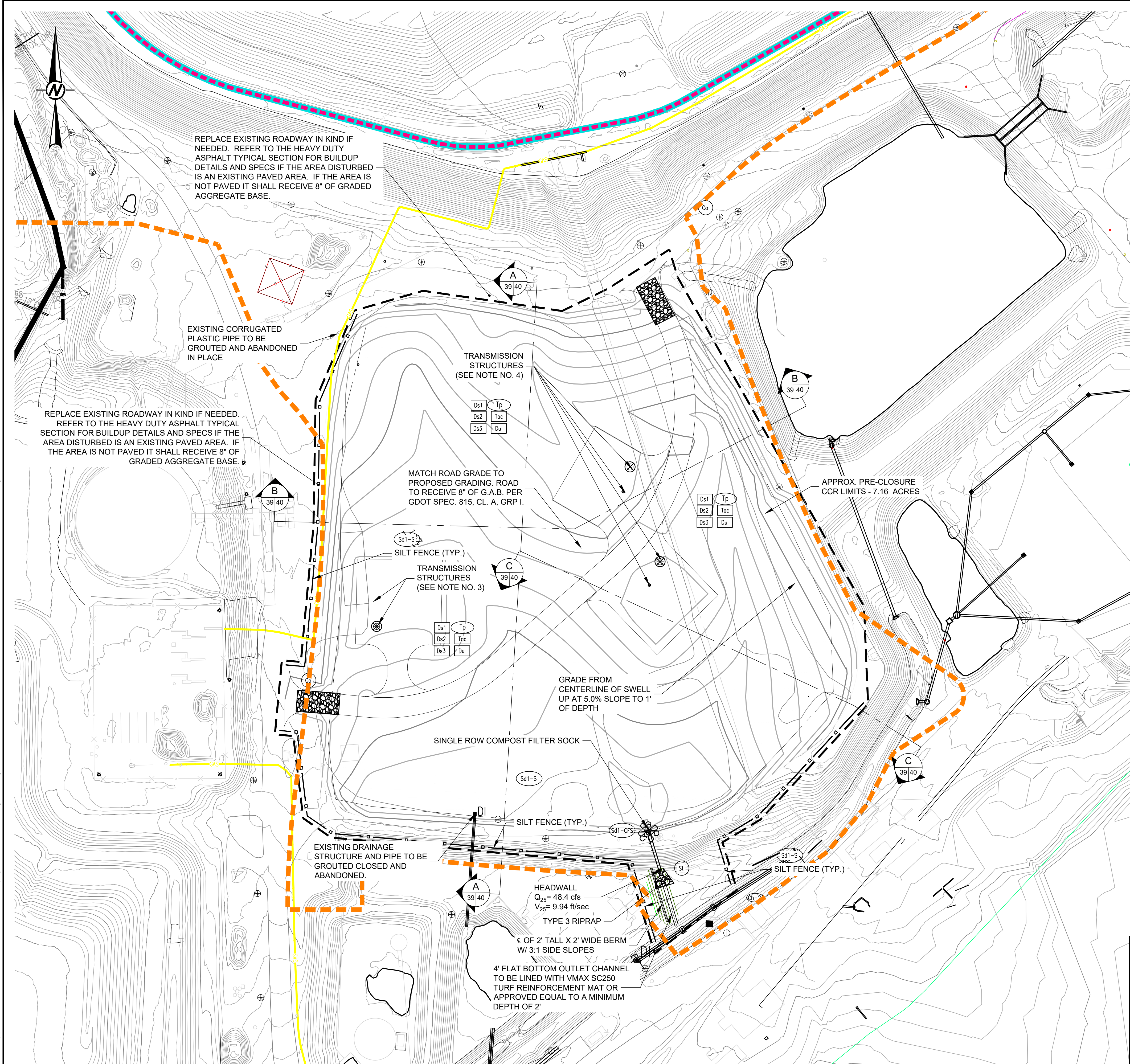
PROJECT NO.
1777449

REV.
0

SHEET
38

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM A3/D 1 in

Path: V:\wp\p\w\atl\US\Central\Data\USATL200\Central\Southern Company\1777449 Plant McDonough\Permitting\AP-384 - AP-2\AP-384\PRODUCTION\1 File Name: 1777449_38-40_POTENTIAL FUTURE DEVELOPMENT.dwg



LEGEND

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

EROSION CONTROL LEGEND

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

NOTES

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

REFERENCES

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

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION

CLIENT
GEORGIA POWER COMPANY



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

TITLE
POTENTIAL FUTURE DEVELOPMENT PLAN

CONSULTANT



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

PROJECT NO.
1777449

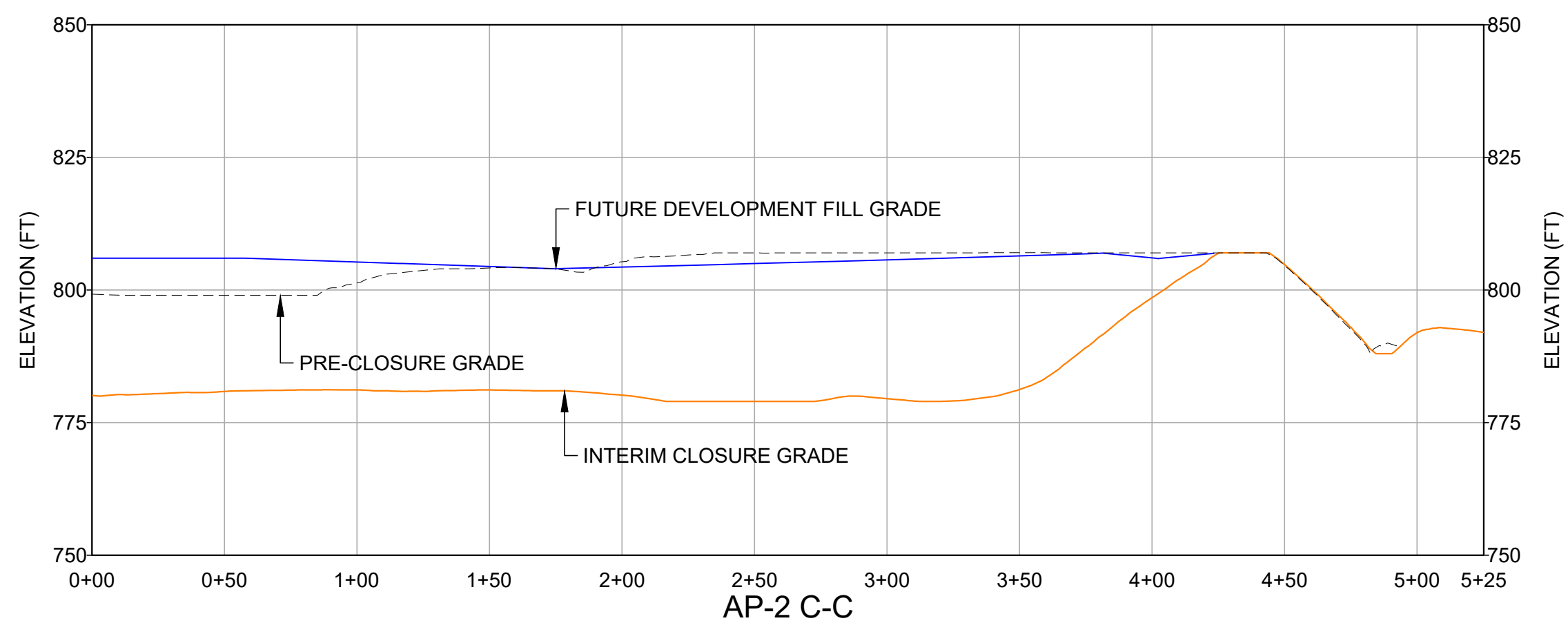
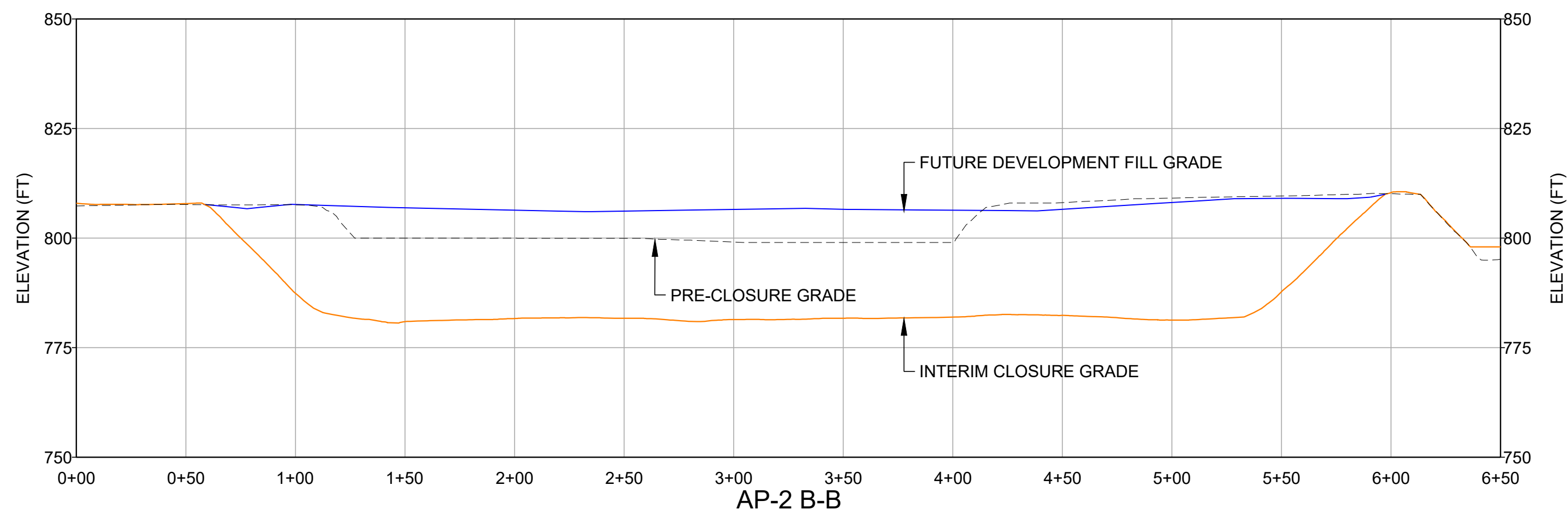
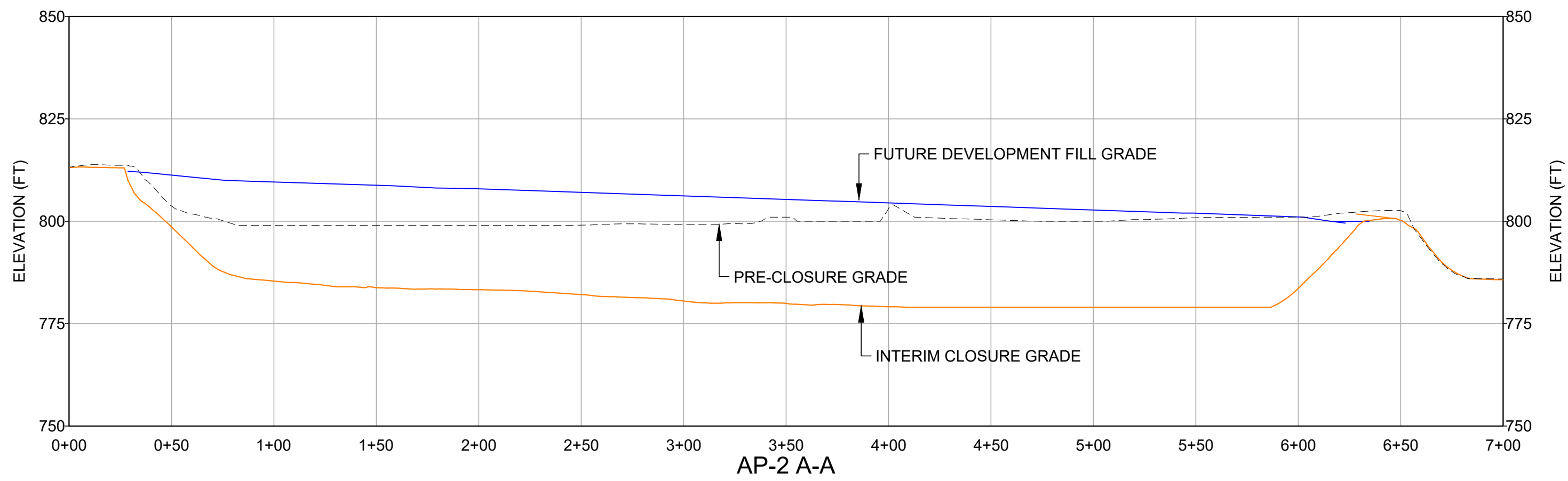
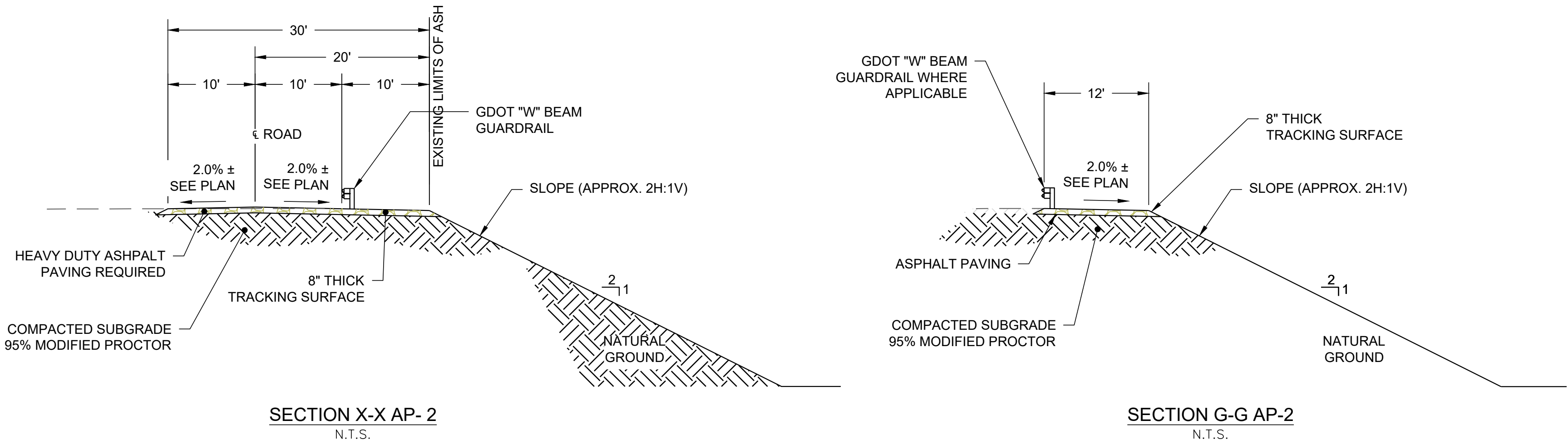
REV.
0

SHEET
39



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

Path: \\corp-pdw-natl\US-Central\Data\US\TL200\Cad\Southern Company\1777449 Plant McDonough\Permitting\AP-3&4- AP-2\AP-3&4\PRODUCTION\1 File Name: 1777449 3s-40 POTENTIAL FUTURE DEVELOPMENT.dwg



NOTE

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

**FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION**

CLIENT
GEORGIA POWER COMPANY



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

TITLE
AP-2 DETAILS AND SECTIONS

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

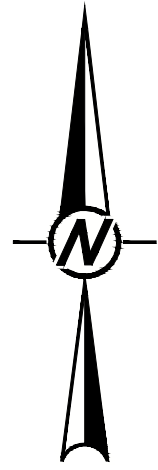
PROJECT NO.
1777449

REV.
0

SHEET
40



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



Path: \\corp.plbwan.net\USCentral\Draw\USATL200\CadSouthern Company\1777449 Plant McDonough\Permitting\AP-344 - AP-2\AP-344\PRODUCTION\1 File Name: 1777449 41 COMPLIANCE WELL MONITOR NETWORK.dwg



LEGEND

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

REFERENCES

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

NOTES

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

FOR PERMITTING PURPOSES
NOT FOR CONSTRUCTION



CLIENT
GEORGIA POWER COMPANY



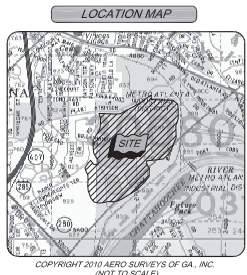
PROJECT
PLANT MCDONOUGH - ATKINSON
ASH POND 3 AND ASH POND 4 (AP-3/4) CLOSURE
& ASH POND 2 (AP-2) CLOSURE

TITLE
COMPLIANCE WELL MONITORING NETWORK



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

PROJECT NO. 1777449 REV. 0 SHEET 41



SURVEYORS NOTES

- CLOSURE STATEMENT**
- THE FIELD DATA UPON WHICH THIS MAP OR PLAN IS BASED HAS A CLOSURE PRECISION OF 1 FOOT IN 28,438 FEET AND AN ANGULAR ERROR OF 1 SECONDS PER ANGLE POINT, AND WAS ADJUSTED USING THE LEAST SQUARE METHOD.
 - THIS PLAN HAS BEEN CALCULATED FOR CLOSURE AND ITS ACCURACY IS 1 FOOT IN 169,287 FEET.
- EQUIPMENT AND FIELD SURVEY STATEMENT**
- LINEAR MEASUREMENTS AND ANGULAR MEASUREMENTS OBTAINED USING TOTAL STATION.
 - FIELD SURVEY COMPLETED ON 02-20-18.
- HORIZONTAL & VERTICAL DATUM**
- HORIZONTAL AND VERTICAL DATUM WAS ESTABLISHED USING RTK GPS METHODS WITH CORRECTIONS FROM THE GPS NETWORK. HORIZONTAL DATUM IS GEORGIA STATE PLANE, WEST ZONE, NAD83 AND THE VERTICAL DATUM IS NAVD83.
- UTILITIES**
- OVERHEAD AND UNDERGROUND UTILITIES THAT ARE SHOWN HEREON ARE BASED UPON FIELD SURFACE OBSERVATIONS AND AVAILABLE INFORMATION ON HAND AT THE TIME OF THE SURVEY. ONLY UTILITIES THAT WERE VISIBLE AND ACCESSIBLE WERE MEASURED. SITE ELEVATION WAS NOT PERFORMED IN ANY WAY TO MEASURE ANY SUBSURFACE UTILITY OR FEATURE OF ANY TYPE. NOTICE IS HEREBY GIVEN THAT KNOW WHAT IS BELOW, CALL BEFORE YOU DIG. UTILITY LOCATION SERVICE (811) SHOULD BE NOTIFIED PRIOR TO ANY EXCAVATION OF THE SITE.
- STREAMS, BODIES OF WATER & WETLANDS**
- ALL STREAMS, BODIES OF WATER, AND WETLANDS MAY BE SUBJECT TO STATE, COUNTY, AND LOCAL BUFFERED OR RESTRICTIONS. SURVEYOR MAKES NO INTERPRETATION REGARDING THESE BUFFERS OR RESTRICTIONS. USER OF THIS MAP IS CAUTIONED TO CONSULT WITH THE APPROPRIATE GOVERNING AUTHORITIES CONCERNING POSSIBLE BUFFERS OR RESTRICTIONS.
- ARCHEOLOGICAL & HISTORIC**
- UNLESS SHOWN HEREON, NO CEMETERIES, ARCHEOLOGICAL, OR ARCHITECTURAL LANDMARKS ARE KNOWN TO EXIST ON THIS SITE. HOWEVER, SURVEYOR HAS NOT EXCAVATED THE SITE OR CONSULTED WITH A QUALIFIED PROFESSIONAL IN THIS FIELD FOR ABSOLUTE CONFIRMATION.
- REFERENCES**
- BOUNDARY SURVEY FOR PLANT McDONOUGH/ATKINSON PREPARED BY HATTS AND BROWNING ENGINEERS, INC., LAST REVISED 01-15-18, GPC DRAWING NUMBER P291-4.

LEGEND

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



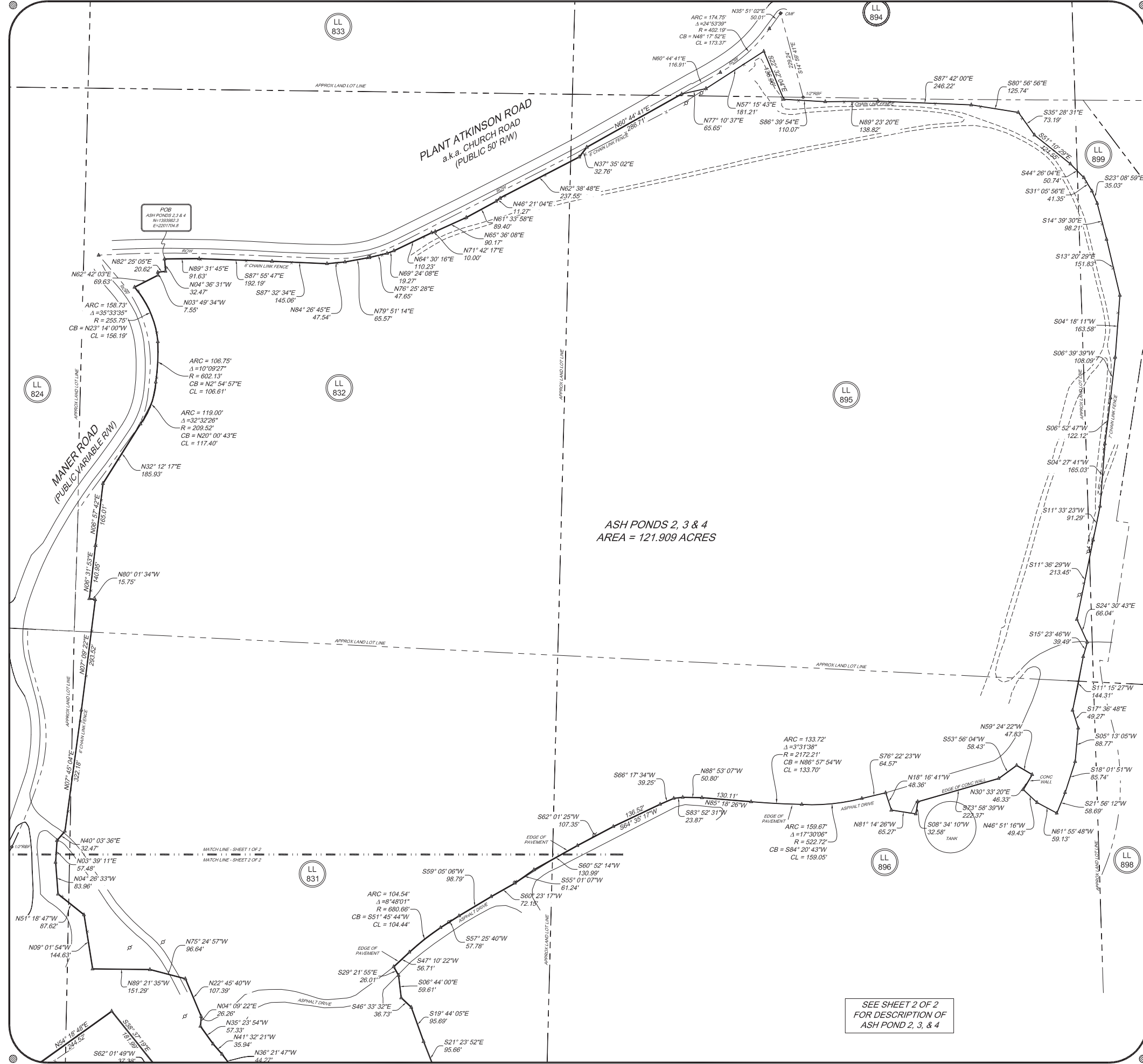
GEORGIA POWER CO., ATLANTA, GA. Land Department			
Plant McDonough Ash Pond 2, 3 & 4 Permit Boundary Survey			
Land Lots 825,830, 831, 894, 895, 896 and 899, 17th District, Cobb County, Georgia			
APPROVALS	ENDORSEMENT BLOCK	DR.	CS
		TR.	TR.
		DATE	10/12/18
		MAP FILE NUMBER	P470-5(2)

T:\Working\Ash\McDonough\2018016053 Plant McDonough-Ash Pond Permitted Boundary\Survey\

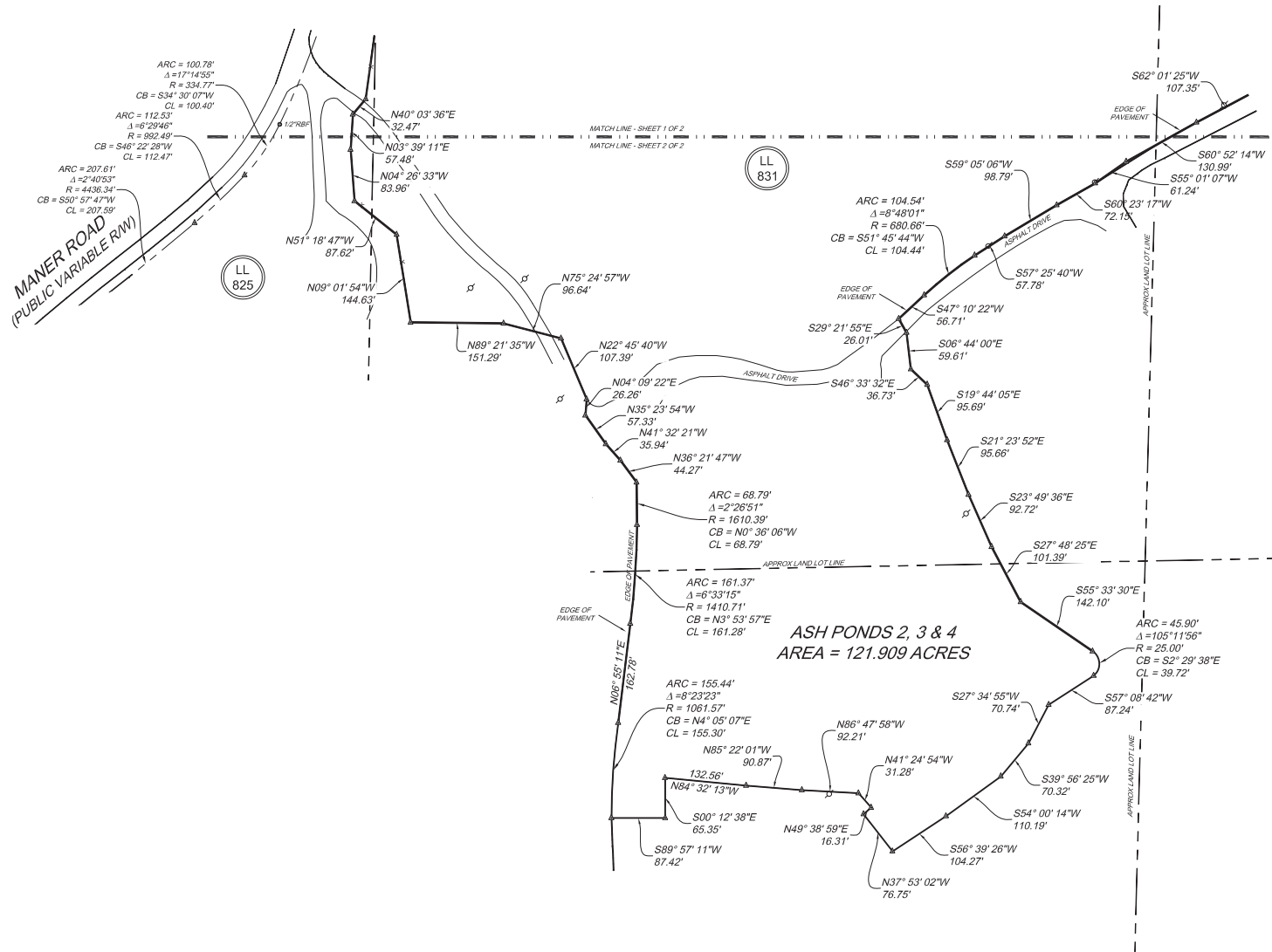


METRO ENGINEERING & SURVEYING CO., INC.
SURVEYORS - ENGINEERS - PHOTOGRAMMETRISTS
PROVIDING PROFESSIONAL SERVICE SINCE 1967
1469 Highway 20 West - McDonough, Georgia 30253
Phone: 770-201-0777 Fax: 770-201-0755
www.metro-engineering.com

11-13-18



SEE SHEET 2 OF 2
FOR DESCRIPTION OF
ASH POND 2, 3, & 4

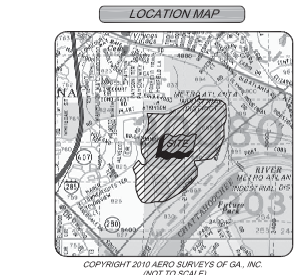


Ash Ponds 2, 3 & 4

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

BEGINNING at a fence corner having State Plane Grid Values of North 1393,982.3 and East 2,201,704.8 (Georgia West Zone, NAD83), thence from said fence corner following the meanderings of a 6 foot chain link fence the following metes and bounds: North 89°31'45" East, a distance of 81.63 feet; South 87°52'47" East, a distance of 102.19 feet; South 87°32'54" East, a distance of 145.00 feet; North 84°28'49" East, a distance of 47.54 feet; North 79°51'14" East, a distance of 65.57 feet; North 75°23'09" East, a distance of 47.68 feet; North 62°38'48" East, a distance of 89.40 feet; North 46°21'04" East, a distance of 11.27 feet; North 62°38'48" East, a distance of 23.25 feet; thence leaving said chain link fence, North 37°30'52" East, a distance of 32.76 feet to a point on the southeasterly right-of-way line of Plant Alderson Road (a.k.a. Church Road) having a 50 foot right-of-way; thence along said right-of-way line, North 62°44'41" East, a distance of 288.71 feet; thence leaving said right-of-way line of Plant Alderson Road, North 77°10'39" East, a distance of 85.85 feet to 6 foot chain link fence; thence following said 6 foot chain link fence the following metes and bounds: North 57°15'42" East, a distance of 18.12 feet; South 22°32'04" East, a distance of 136.98 feet; South 86°39'54" East, a distance of 110.07 feet; North 69°22'20" East, a distance of 38.62 feet; South 30°42'00" East, a distance of 246.22 feet; South 68°25'09" East, a distance of 125.54 feet; South 32°29'31" East, a distance of 73.19 feet; South 51°10'29" East, a distance of 121.55 feet; South 44°26'04" East, a distance of 50.74 feet; South 31°03'29" East, a distance of 41.35 feet; South 23°38'59" East, a distance of 35.03 feet; South 14°39'30" East, a distance of 88.21 feet; South 13°20'29" East, a distance of 151.83 feet; South 04°19'11" West, a distance of 163.05 feet; South 06°39'39" West, a distance of 108.69 feet; South 06°52'47" West, a distance of 122.12 feet; South 04°27'41" West, a distance of 160.03 feet; South 11°32'22" West, a distance of 91.29 feet; South 11°39'29" West, a distance of 213.45 feet; thence leaving said chain link fence the following metes and bounds: South 24°30'47" East, a distance of 66.04 feet; South 15°23'46" West, a distance of 36.49 feet; South 11°12'27" West, a distance of 144.51 feet; South 17°36'48" East, a distance of 65.27 feet; South 05°13'07" West, a distance of 88.77 feet; South 18°01'51" West, a distance of 85.74 feet; South 21°56'12" West, a distance of 58.68 feet; North 61°52'46" West, a distance of 55.13 feet; North 46°51'18" West, a distance of 49.43 feet; North 30°33'29" East, a distance of 46.33 feet; North 59°24'22" West, a distance of 41.83 feet; South 53°50'04" West, a distance of 48.43 feet; South 73°08'38" West, a distance of 222.37 feet; South 08°34'10" West, a distance of 32.58 feet; North 81°14'28" West, a distance of 65.27 feet; North 18°10'41" West, a distance of 48.36 feet; South 76°22'27" West, a distance of 64.57 feet; run southeasterly along the arc of a curve 158.07 feet, concave to the north, having a central angle of 17°30'06" and a radius of 522.72 feet and being subtended by a chord which bears North 84°28'49" West, a distance of 159.05 feet; run southeasterly along the arc of a curve 133.72 feet, concave to the north, having a central angle of 03°13'38" and a radius of 2112.21 feet and being subtended by a chord which bears North 86°57'54" West, a distance of 133.70 feet; North 85°18'39" West, a distance of 130.11 feet; North 88°53'07" West, a distance of 20.80 feet; South 83°52'31" West, a distance of 23.87 feet; South 68°17'34" West, a distance of 39.25 feet; South 64°35'17" West, a distance of 136.02 feet; South 62°01'20" West, a distance of 107.35 feet; South 69°32'14" West, a distance of 130.89 feet; South 52°10'10" West, a distance of 61.24 feet; South 60°22'11" West, a distance of 72.15 feet; South 59°09'00" West, a distance of 68.79 feet; South 57°29'40" West, a distance of 57.78 feet; run southeasterly along the arc of a curve 154.54 feet, concave to the southeast, having a central angle of 08°48'01" and a radius of 680.66 feet and being subtended by a chord which bears South 51°48'44" West, a distance of 104.44 feet; South 47°17'22" West, a distance of 56.71 feet; South 29°21'59" East, a distance of 26.01 feet; South 06°44'00" East, a distance of 59.81 feet; South 48°33'32" East, a distance of 36.73 feet; South 19°44'00" East, a distance of 85.89 feet; South 21°23'52" East, a distance of 95.66 feet; South 23°02'56" East, a distance of 92.72 feet; South 27°48'25" East, a distance of 101.39 feet; South 27°48'25" East, a distance of 142.10 feet; run south along the arc of a curve 45.80 feet, concave to the west, having a central angle of 100°11'56" and a radius of 25.00 feet and being subtended by a chord which bears South 02°29'39" East, a distance of 39.72 feet; South 57°08'42" West, a distance of 87.24 feet; South 27°34'50" West, a distance of 70.74 feet; South 38°56'25" West, a distance of 70.32 feet; South 54°10'14" West, a distance of 115.19 feet; South 38°29'22" West, a distance of 104.27 feet; North 37°33'02" West, a distance of 76.75 feet; North 48°39'39" East, a distance of 16.31 feet; North 41°24'54" West, a distance of 31.28 feet; North 66°47'38" West, a distance of 62.21 feet; North 82°22'01" West, a distance of 50.81 feet; North 84°32'13" West, a distance of 132.46 feet; South 00°12'38" East, a distance of 65.35 feet; South 89°57'11" West, a distance of 87.42 feet; run northerly along the arc of a curve 155.84 feet, concave to the east, having a central angle of 08°23'22" and a radius of 1061.57 feet and being subtended by a chord which bears North 04°10'10" East, a distance of 155.80 feet; North 06°50'11" East, a distance of 162.78 feet; run northerly along the arc of a curve 161.37 feet, concave to the west, having a central angle of 06°33'15" and a radius of 1410.71 feet and being subtended by a chord which bears North 03°33'57" West, a distance of 161.28 feet; run northerly along the arc of a curve 65.79 feet, concave to the west, having a central angle of 02°26'51" and a radius of 1610.39 feet and being subtended by a chord which bears North 02°54'51" East, a distance of 106.15 feet; run northerly along the arc of a curve 142.10 feet, concave to the southeast, having a central angle of 35°33'58" and a radius of 255.75 feet and being subtended by a chord which bears North 23°14'50" West, a distance of 159.81 feet; North 62°42'00" East, a distance of 68.63 feet; North 02°46'54" West, a distance of 7.55 feet; North 82°29'02" East, a distance of 20.62 feet; North 04°36'31" West, a distance of 32.47 feet to the **POINT OF BEGINNING**.

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



SURVEYORS NOTES

CLOSURE STATEMENT

THE FIELD DATA UPON WHICH THIS MAP OR PLAN IS BASED HAS A CLOSURE PRECISION OF 1 FOOT IN 28,481 FEET AND AN ANGULAR ERROR OF 1 SECONDS PER ANGLE POINT, AND WAS ADJUSTED USING THE LEAST SQUARE METHOD.

THIS PLAN HAS BEEN CALCULATED FOR CLOSURE AND ITS ACCURACY IS 1 FOOT IN 189,287 FEET.

EQUIPMENT AND FIELD SURVEY STATEMENT

LINEAR MEASUREMENTS AND ANGULAR MEASUREMENTS OBTAINED USING TOTAL STATION.

FIELD SURVEY COMPLETED ON 02-20-18.

HORIZONTAL & VERTICAL DATUM

HORIZONTAL AND VERTICAL DATUM WAS ESTABLISHED USING RTK GPS METHODS WITH CORRECTIONS FROM THE GPS NETWORK. HORIZONTAL DATUM IS GEORGIA STATE PLANE, WEST ZONE, NAD83 AND THE VERTICAL DATUM IS NAVD83.

UTILITIES

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

STREAMS, BODIES OF WATER & WETLANDS

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

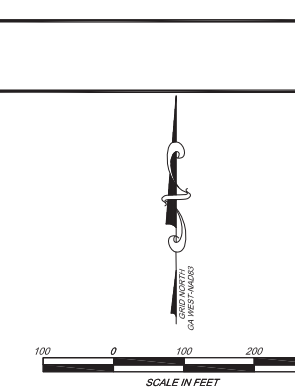
ARCHEOLOGICAL & HISTORIC

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

REFERENCES

BOUNDARY SURVEY FOR PLANT MCDONOUGH/ATKINSON PREPARED BY WATTS AND BROWNING ENGINEERS, INC., LAST REVISED 01-15-18, GPC DRAWING NUMBER P291-4.

LEGEND	
P.O.B.	POINT OF BEGINNING
ROW	RIGHT-OF-WAY
CTF	CRIMP TOP PIPE FOUND
OTF	OPEN TOP PIPE FOUND
RFB	REBAR FOUND
LL	LAND LOT
☆	LIGHT POLE
⊙	POWER POLE
⊙	SANITARY SEWER MANHOLE
⊙	CALCULATED POINT
⊙	MONITORING WELL



GEORGIA POWER CO., ATLANTA, GA. Land Department	
Plant McDonough Ash Pond 2, 3 & 4 Permit Boundary Survey	
Land Lots 825,830, 831, 894, 895, 896 and 899, 17th District, Cobb County, Georgia	
APPROVALS	DATE
DR. JCS	10/12/18
TR. JRG	10/12/18
SCALE 1" = 100'	MAP FILE NUMBER
	P470-5(3)

T:\Working\Ash\McDonough\2018016093 Plant McDonough-Ash Pond Permitted Boundary\Survey\



METRO ENGINEERING & SURVEYING CO., INC.
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