

# CCR PERMIT DRAWINGS

## FOR

# GEORGIA POWER PLANT MCMANUS

## INACTIVE ASH POND AP-1

### GLYNN COUNTY, GEORGIA

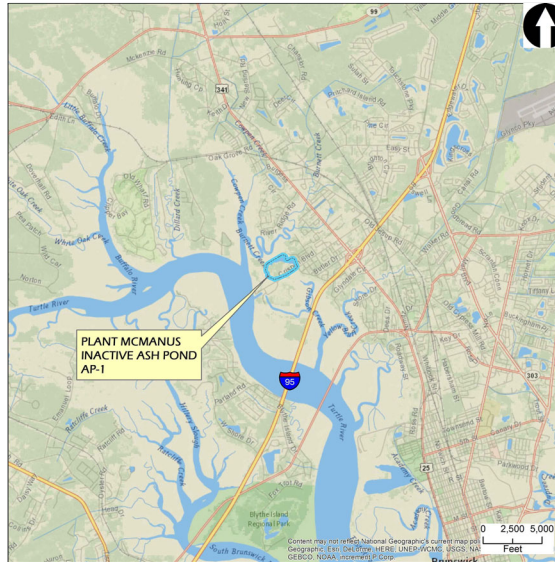
### DECEMBER 2025, REV 2.

### OWNER/OPERATOR

GEORGIA POWER COMPANY  
 PLANT MC MANUS  
 1 CRISPEN ISLAND DRIVE  
 BRUNSWICK, GA 31523  
 (912) 265-1575

### RESPONSIBLE OFFICIAL

MANAGER, ENVIRONMENTAL AFFAIRS  
 GEORGIA POWER COMPANY  
 241 RALPH MCGILL BOULEVARD  
 ATLANTA, GEORGIA 30308-3374  
 (404) 506-6505



PROJECT SITE LOCATION  
 SCALE: 1" = 1 MILE



2839 PACES FERRY ROAD  
 SUITE 900  
 ATLANTA, GA 30339

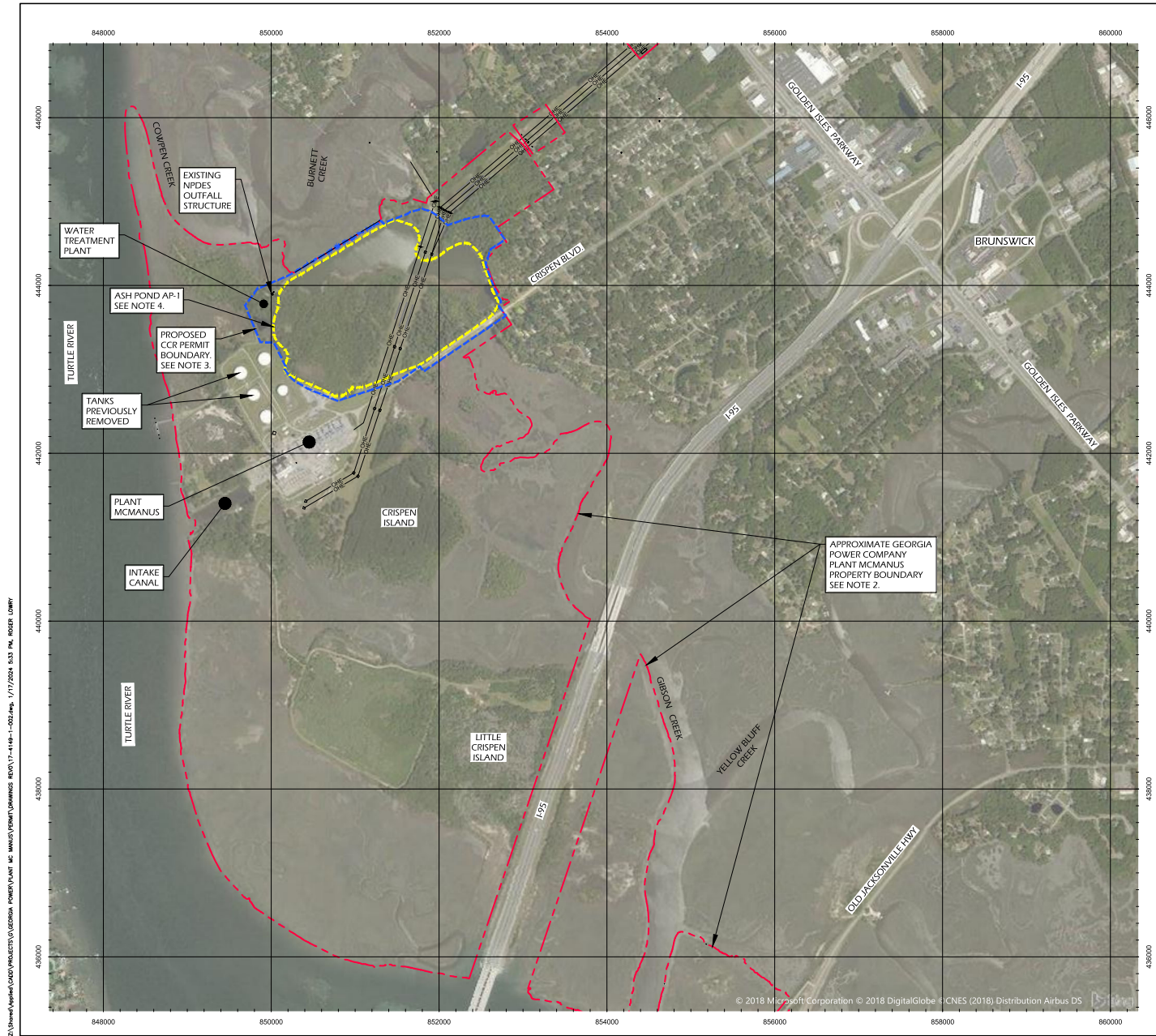


Sheet List Table		
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1	2	COVER
2	0	PROPERTY OVERVIEW
3	0	CCR PERMIT BOUNDARY
4	0	PRE-CLOSURE CONDITIONS PLAN
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8b	1	HEADWALL LAYOUT AND EXCAVATION AREA
E1C93	1	STRUCTURAL STEEL ASH POND FLUME CROSSING PLAN AND SECTIONS

REV	DATE	DESCRIPTION	DRN	APP
2	12/2025	MINOR MODIFICATION NO. 2	LJP	KS
1	10/2024	MINOR MODIFICATION NO. 1	LJP	KS
0	2/15/21	ISSUED FOR PERMIT	SS	JRB

COVER					
CCR PERMIT DRAWINGS					
FOR					
GEORGIA POWER					
PLANT MC MANUS, INACTIVE ASH POND AP-1					
GLYNN COUNTY, GEORGIA					
ARCADIS			2839 PACES FERRY ROAD SUITE 1000 ATLANTA, GA 30339		
PROJ. NO.	17-4149	DWG.	17-4149-1-001	EDIT	REV 2
SCALE	NA				
DATE	12/2025				1 Rev 2



**LEGEND**

- - - - - APPROXIMATE GPC PROPERTY BOUNDARY
- - - - - APPROXIMATE LIMITS OF EXISTING CCR
- - - - - PROPOSED CCR PERMIT BOUNDARY

**NOTES**

1. THE HORIZONTAL DATUM IS BASED UPON HARN/GA GEORGIA STATE PLANES, EAST ZONE, NAD83 (FEET).
2. PROPERTY BOUNDARY SHOWN IS BASED ON SHEET P455-6 OF A SURVEY TITLED "BOUNDARY PLAT OF PLANT MCMANUS" PREPARED BY GEORGIA POWER CO., ATLANTA, GEORGIA, LAND DEPARTMENT AND DATED 2 FEBRUARY 2018.
3. THE CCR PERMIT BOUNDARY SHOWN IS BASED ON A SURVEY TITLED "BOUNDARY SURVEY OF CCR PERMITTED LANDS - PLANT MCMANUS" PREPARED BY GEORGIA POWER CO., ATLANTA, GEORGIA, LAND DEPARTMENT AND DATED 3 AUGUST 2018.
4. APPROXIMATE HISTORIC LIMITS OF ASH POND (CCR) PRIOR TO COMMENCEMENT OF CLOSURE ACTIVITIES SHOWN ARE BASED ON A SURVEY TITLED "PLANT MCMANUS EXISTING CONDITIONS & ASHPOND EXCAVATION LIMITS EXHIBIT" PRODUCED BY THOMAS & HUTTON, SAVANNAH, GEORGIA, AND DATED 3 AUGUST 2017 AND SURVEY OF PLANT MCMANUS, BOUNDARY RECOVERY, PREPARED BY WILLIAM E. WHITLEY, DATED 1 MAY 1998 AND SHOWN IN BEARING DRAWING NO. H-453-1.
5. ACCORDING TO F.I.R.M. MAP NO. 13127C, PANELS 0206H & 0208H, LAST REVISED JANUARY 5, 2018, A PORTION OF THE PROPERTY SHOWN ON THIS PLAT LIES WITHIN SPECIAL FLOOD HAZARD AREA "AE" (EL. '9).



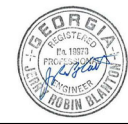
REV	DATE	ISSUED FOR PERMIT	DESCRIPTION	SS	JRB
0	2/15/21				

**PROPERTY OVERVIEW**

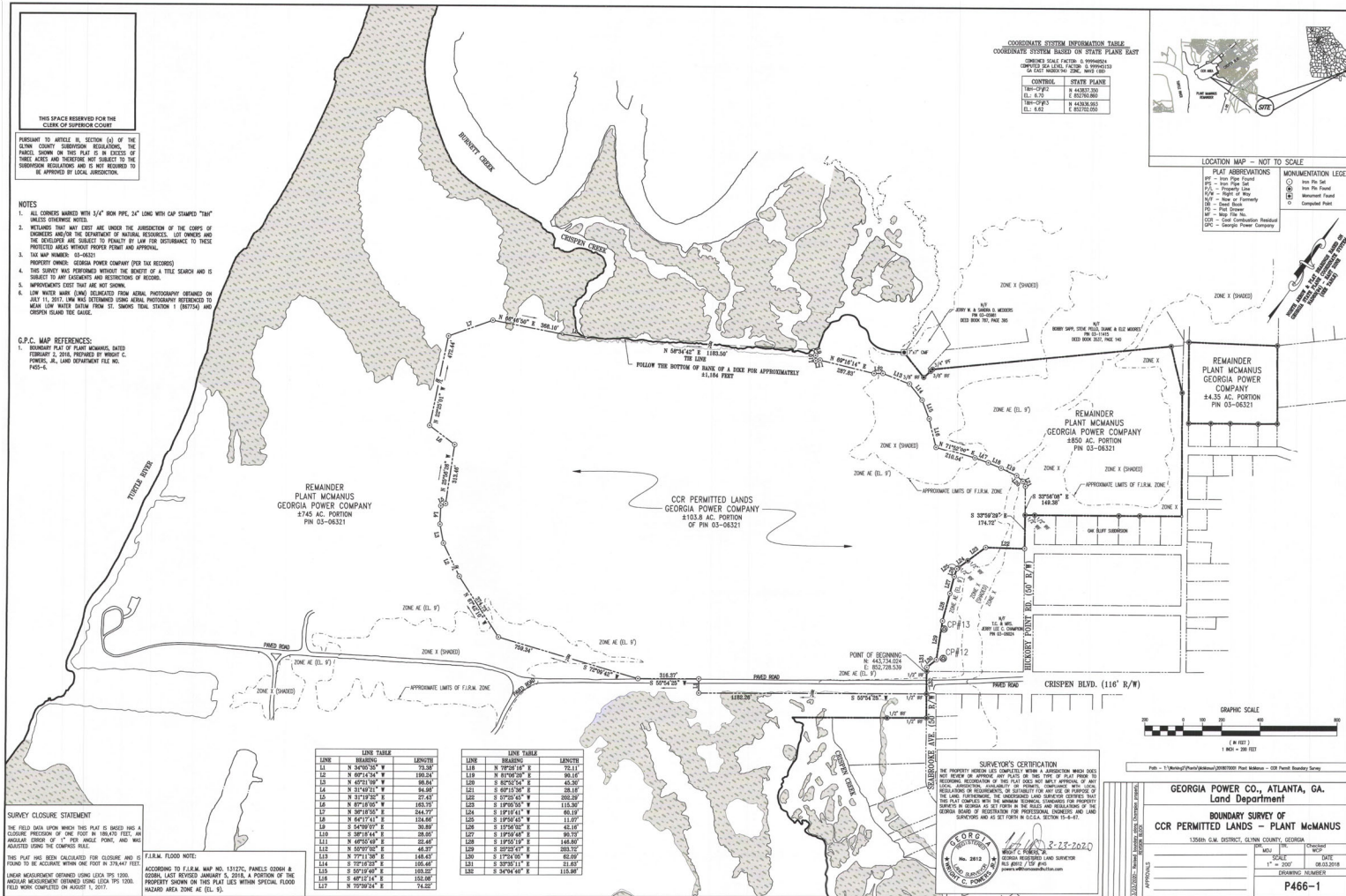
CCR PERMIT DRAWINGS  
FOR  
GEORGIA POWER  
PLANT MCMANUS, INACTIVE ASH POND AP-1  
GLYNN COUNTY, GEORGIA

45 WOODSTOCK STREET  
ROSWELL, GEORGIA 30075  
WWW.OASIS-CS.COM  
VOICE (678) 739-2400  
FAX (770) 552-5550

PROJ. NO.	17-4149	DWG.	17-4149-1-002	EDIT	REV 0
SCALE	1" = 200'				
DATE	FEB 2021	SHEET	2	OF	8



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**CCR PERMIT BOUNDARY LEGAL DESCRIPTION**

**PROPERTY DESCRIPTION  
 CCR PERMITTED LANDS  
 PLANT MCMANUS**

ALL THAT CERTAIN LOT, TRACT OR PARCEL OF LAND SITUATE, LYING AND BEING IN THE 1356<sup>TH</sup> C.M.D., GLYNN COUNTY, GEORGIA, BEING SHOWN ON A BOUNDARY SURVEY OF CCR PERMITTED LANDS-PLANT MCMANUS DATED AUGUST 3, 2018, LAST REVISED MARCH 23, 2020, PREPARED BY THOMAS & HUTTON AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A 1/2" IRON REBAR FOUND (HAVING GEORGIA STATE PLANE GRID NAD83(94) EAST ZONE COORDINATES N 443.734.024, E 852.728.539 AT THE NORTHWEST END OF THE CRISPEN BOULEVARD RIGHT OF WAY LINE (116' R/W); THENCE S 34°04'40" E A DISTANCE OF 115.98 FEET TO AN 1/2" IRON REBAR FOUND ON THE SOUTHWEST CORNER OF THE CRISPEN BOULEVARD RIGHT OF WAY LINE; THENCE LEAVE THE AFORESAID RIGHT OF WAY LINE OF CRISPEN BOULEVARD S 55°54'25" W A DISTANCE OF 1182.26 FEET TO 3/4" IRON PIPE SET; THENCE N 34°05'35" W A DISTANCE OF 73.38 FEET TO A 3/4" IRON PIPE SET; THENCE S 55°54'25" W A DISTANCE OF 316.37 FEET TO A 3/4" IRON PIPE SET; THENCE S 72°09'42" W A DISTANCE OF 759.34 FEET TO A 3/4" IRON PIPE SET; THENCE N 67°42'10" W A DISTANCE OF 374.73 FEET TO A 3/4" IRON PIPE SET; THENCE N 69°14'34" W A DISTANCE OF 190.24 FEET TO A 3/4" IRON PIPE SET; THENCE N 45°21'09" W A DISTANCE OF 98.84 FEET TO A 3/4" IRON PIPE SET; THENCE N 31°49'21" W A DISTANCE OF 94.98 FEET TO A 3/4" IRON PIPE SET; THENCE N 31°19'32" E A DISTANCE OF 27.43 FEET TO A 3/4" IRON PIPE SET; THENCE N 25°56'26" W A DISTANCE OF 313.46 FEET TO A 3/4" IRON PIPE SET; THENCE N 89°18'03" W A DISTANCE OF 163.75 FEET TO A 3/4" IRON PIPE SET; THENCE N 22°25'01" W A DISTANCE OF 472.44 FEET TO A 3/4" IRON PIPE SET; THENCE N 36°18'55" E A DISTANCE OF 244.77 FEET TO A 3/4" IRON PIPE SET; THENCE N 66°46'50" E A DISTANCE OF 368.10 FEET TO A POINT; THENCE N 64°17'41" E A DISTANCE OF 124.66 FEET TO A POINT ON THE BOTTOM OF BANK OF A DIKE; THENCE ALONG SAID BOTTOM OF DIKE BANK A DISTANCE OF APPROXIMATELY 1.184 FEET TO A POINT (THE LINE N 58°34'42" E A DISTANCE OF 1183.30 FEET); THENCE LEAVE THE AFORESAID BOTTOM OF DIKE BANK S 54°09'07" E A DISTANCE OF 30.89 FEET TO A 3/4" IRON PIPE SET; THENCE S 38°18'44" E A DISTANCE OF 28.05 FEET TO A 3/4" IRON PIPE SET; THENCE N 46°55'49" E A DISTANCE OF 22.46 FEET TO A 3/4" IRON PIPE SET; THENCE N 69°16'14" E A DISTANCE OF 287.83 FEET TO A 3/4" IRON PIPE SET; THENCE N 55°07'02" E A DISTANCE OF 46.37 FEET TO A 3/4" IRON PIPE SET; THENCE N 77°11'38" E A DISTANCE OF 148.43 FEET TO A 3/4" IRON PIPE SET; THENCE S 72°14'22" E A DISTANCE OF 105.46 FEET TO A 3/4" IRON PIPE SET; THENCE S 55°19'40" E A DISTANCE OF 103.22 FEET TO A 3/4" IRON PIPE SET; THENCE S 48°21'14" E A DISTANCE OF 152.08 FEET TO A 3/4" IRON PIPE SET; THENCE N 71°52'00" E A DISTANCE OF 210.54 FEET TO A 3/4" IRON PIPE SET; THENCE N 75°39'24" E A DISTANCE OF 74.22 FEET TO A 3/4" IRON PIPE SET; THENCE N 78°26'16" E A DISTANCE OF 22.11 FEET TO A 3/4" IRON PIPE SET; THENCE N 81°06'20" E A DISTANCE OF 90.16 FEET TO A 3/4" IRON PIPE SET; THENCE S 82°52'54" E A DISTANCE OF 45.30 FEET TO A 3/4" IRON PIPE SET; THENCE S 60°15'34" E A DISTANCE OF 28.18 FEET TO A 3/4" IRON PIPE SET; THENCE S 33°56'08" E A DISTANCE OF 149.38 FEET TO A 1/2" IRON REBAR FOUND; THENCE S 33°59'29" E A DISTANCE OF 174.72 FEET TO A 3/4" IRON PIPE SET; THENCE S 57°25'45" W A DISTANCE OF 202.29 FEET TO A 3/4" IRON PIPE SET; THENCE S 19°05'55" W A DISTANCE OF 115.30 FEET TO A 1/2" IRON REBAR FOUND; THENCE S 19°10'41" W A DISTANCE OF 60.19 FEET TO A 1/2" IRON REBAR FOUND; THENCE S 19°30'45" W A DISTANCE OF 11.07 FEET TO A 3/4" IRON PIPE SET; THENCE S 15°56'02" E A DISTANCE OF 42.16 FEET TO A POINT; THENCE S 19°59'48" E A DISTANCE OF 90.73 FEET TO A POINT; THENCE S 19°55'19" E A DISTANCE OF 146.80 FEET TO A POINT; THENCE S 25°23'47" E A DISTANCE OF 203.72 FEET TO A POINT; THENCE S 17°24'05" W A DISTANCE OF 62.09 FEET TO A POINT; THENCE S 33°35'11" E A DISTANCE OF 21.43 FEET TO THE POINT OF BEGINNING.

HAVING AN AREA OF 103.8 ACRES OF LAND MORE OR LESS.

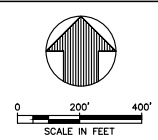
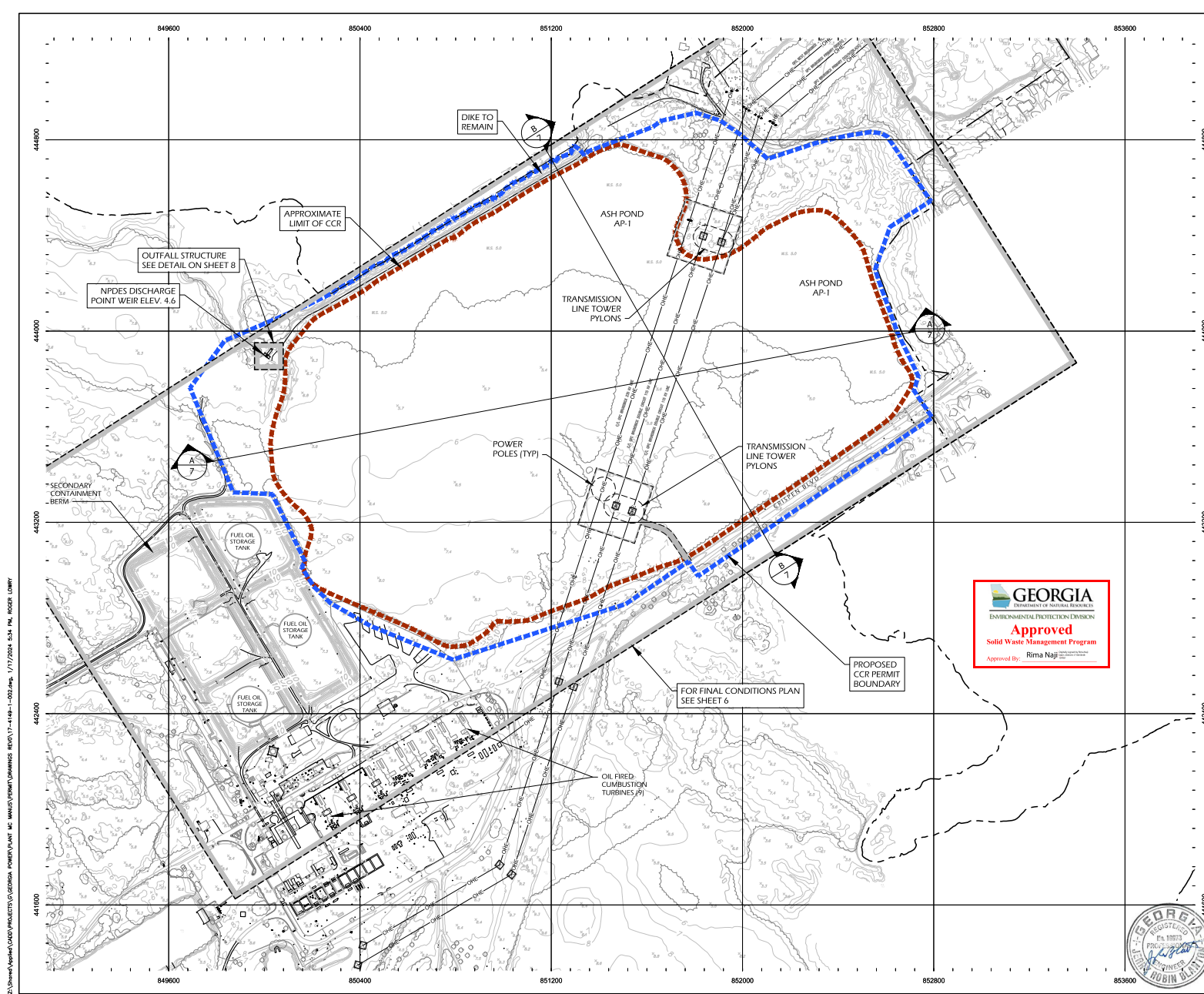


**CCR PERMIT BOUNDARY**

CCR PERMIT DRAWINGS  
 FOR  
 GEORGIA POWER  
 PLANT MCMANUS, ASH POND AP-1  
 GLYNN COUNTY, GEORGIA

DWG. 17-4149-1-002.dwg  
 DATE FEB 2021

SHEET 3 OF 8



**LEGEND**

- - - - - APPROXIMATE LIMIT OF CCR
- - - - - PROPOSED CCR PERMIT BOUNDARY
- EXISTING GROUND ELEVATION (FEET)
- - - - - PROPERTY BOUNDARY
- - - - - PARCEL BOUNDARY
- EXISTING GROUND ELEVATION (FEET)
- EXISTING TREE LINE
- EXISTING ROADWAY
- WETLAND BOUNDARY
- EXISTING SANITARY SEWER
- EXISTING OVERHEAD ELECTRIC

- NOTES**
1. THE HORIZONTAL DATUM IS BASED UPON HARN/GA GEORGIA STATE PLANES, EAST ZONE, NAD83 (FEET).
  2. THE VERTICAL DATUM IS BASED UPON NAD83 (FEET).
  3. PROPERTY BOUNDARY SHOWN IS BASED SHEET P455-6 OF A SURVEY TITLED "BOUNDARY PLAT OF PLANT MCMANUS" PREPARED BY GEORGIA POWER CO., ATLANTA, GEORGIA, LAND DEPARTMENT AND DATED 2 FEBRUARY 2018.
  4. THE CCR PERMIT BOUNDARY BOUNDARY SHOWN IS BASED ON A SURVEY TITLED "BOUNDARY SURVEY OF CCR PERMITTED LANDS - PLANT MCMANUS" PREPARED BY GEORGIA POWER CO., ATLANTA, GEORGIA, LAND DEPARTMENT AND DATED 3 AUGUST 2018.
  5. APPROXIMATE HISTORIC LIMITS OF ASH POND (CCR) PRIOR TO COMMENCEMENT OF CLOSURE ACTIVITIES, TREES, BUILDINGS, ROADWAYS, AND UTILITIES SHOWN ARE BASED ON A SURVEY TITLED "PLANT MCMANUS EXISTING CONDITIONS & ASHPOND EXCAVATION LIMITS EXHIBIT" PRODUCED BY THOMAS & HUTTON, SAVANNAH, GEORGIA, AND DATED 3 AUGUST 2017 AND SURVEY OF PLANT MCMANUS, BOUNDARY RECOVERY, PREPARED BY WILLIAM E. WHITLEY, DATED 1 MAY 1998 AND SHOWN IN BEARING DRAWING NO. H-453-1.
  6. EXISTING TOPOGRAPHY SHOWN IS BASED ON A LIDAR SURVEY DATED 4-21-2014. THE EXISTING CONDITIONS WERE MODIFIED TO REFLECT THE DEMOLITION OF TWO TANKS.
  7. ACCORDING TO F.I.R.M. MAP NO. 13127C, PANELS 0206H & 0208H, LAST REVISED JANUARY 5, 2018, A PORTION OF THE PROPERTY SHOWN ON THIS PLAT LIES WITHIN SPECIAL FLOOD HAZARD AREA "AE" (EL. 9).

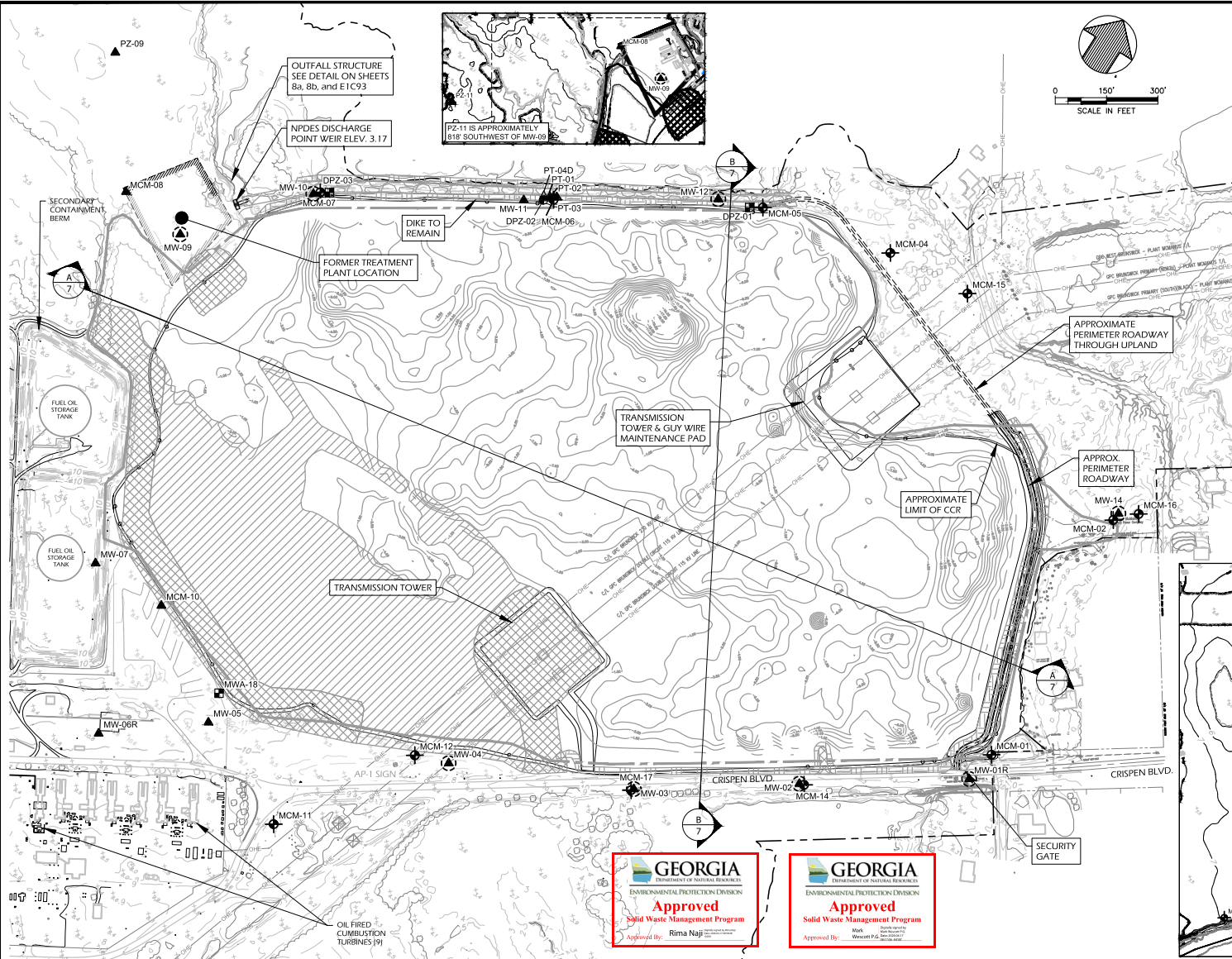


ISSUED FOR PERMIT	2/15/21	SS	JRB						
DATE		DRN	APP						
<b>PRE-CLOSURE CONDITIONS PLAN</b>									
CCR PERMIT DRAWINGS FOR GEORGIA POWER PLANT MCMANUS, INACTIVE ASH POND AP-1 GLYNN COUNTY, GEORGIA									
				45 WOODSTOCK STREET ROSWELL, GEORGIA 30075 WWW.OASIS-CS.COM VOICE (678) 739-2400 FAX (770) 552-5550					
PROJ. NO.	17-4149	DWG.	17-4149-1-002	EDIT					
SCALE	1" = 200'								
DATE	FEB 2021	SHEET	4	OF	8				

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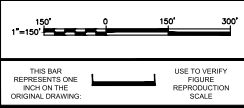
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### LEGEND

	DETECTION WELL
	ASSESSMENT WELL
	PIEZOMETER
	DEEP PIEZOMETER
	PIEZOMETER (PROPOSED FOR ABANDONMENT) (NOTE 9)
	NON-CCR RELATED PIEZOMETER (NOTE 10)
	PROPERTY BOUNDARY
	PARCEL BOUNDARY
	EXISTING GROUND ELEVATION (FEET)
	EXISTING TREE LINE
	EXISTING ROADWAY
	EXISTING SANITARY SEWER
	EXISTING OVERHEAD ELECTRIC
	PROPOSED APPROXIMATE EXCAVATION ELEVATION (FEET)
	REMOVAL ACKNOWLEDGED BY EPD
	ONSITE FILL
	IMPORTED FILL
	RIP-RAP
	IMPORTED FILL/ CRUSHED STONE

- ### NOTES
- ORIGINAL FIGURE CREATED AND SUBMITTED BY OASIS CONSULTING SERVICES AND SUBMITTED AS FIGURE 6, CCR PERMIT DRAWINGS, FEBRUARY 1, 2021. REV 01 ARCADIS CHANGES REFLECT AS BUILT CONDITIONS WITH REGARD TO THE POND TOPOGRAPHY AND BACKFILL LABELED AS ONSITE FILL, IMPORTED FILL, RIP-RAP, AND IMPORTED FILL/ CRUSHED STONE. SUBMITTED TO EPD IN APRIL 2024 AS A MINOR MODIFICATION TO THE ORIGINAL PERMIT. ADDITIONAL ARCADIS CHANGES REFLECT REQUIRED REVISIONS PER THE EPD CONDITIONAL APPROVAL LETTER (APRIL 2, 2025) AND REVISIONS TO THE GROUNDWATER MONITORING WELL NETWORK IN ACCORDANCE WITH THE ABANDONMENT PROPOSAL (SEPTEMBER 2025).
  - THE HORIZONTAL DATUM IS BASED UPON HAIN/GA GEORGIA STATE PLANES, EAST ZONE, NAD83 (FEET).
  - THE VERTICAL DATUM IS BASED UPON NAD83 (FEET).
  - PROPERTY BOUNDARY SHOWN IS BASED ON A SURVEY TITLED "BOUNDARY PLAT OF PLANT MCMANUS" PREPARED BY GEORGIA POWER CO., ATLANTA, GEORGIA, LAND DEPARTMENT AND DATED 2, FEBRUARY 2018.
  - EXISTING TOPOGRAPHY SHOWN IS BASED ON A LIDAR SURVEY DATED 4-21-2014. THE EXISTING CONDITIONS WERE MODIFIED TO REFLECT THE DEMOLITION OF TWO TANKS.
  - GPC PLACED A "NOTICE OF INTENT TO CLOSE" IN THE OPERATING RECORD ON DECEMBER 7, 2015 AND PROVIDED NOTICE TO THE EPD DIRECTOR ON DECEMBER 18, 2015.
  - EXISTING DIKE WAS INSPECTED AND MAINTAINED DURING CLOSURE CONSTRUCTION ACTIVITIES.
  - POST CCR REMOVAL USE OF AP-1 WILL BE THAT OF A WASTEWATER TREATMENT POND MANAGED UNDER NPDES PERMIT NO. GA0003794.
  - PIEZOMETER WILL BE ABANDONED UPON APPROVAL OF THE ENVIRONMENTAL PROTECTION DIVISION - HAZARDOUS SITE RESPONSE BRANCH, RESPONSE AND REMEDIATION PROGRAM.
  - PIEZOMETER IS NOT ASSOCIATED WITH THE COAL COMBUSTION RESIDUALS (CCR) WELL NETWORK. DPZ-01 AND DPZ-03 ARE PIEZOMETERS USED IN A HYDROLOGICAL ASSESSMENT COMPLETED IN 2020. MWA-18 IS REPORTED UNDER THE HAZARDOUS SITE RESPONSE ACT (HSRA).



2	03/17/2026	MINOR MODIFICATION NO. 2	LJP	KS	State	Date Signed	Project Mgr.
1	02/19/2024	MINOR MODIFICATION NO. 1	LJP	KS	GA	03/17/26	KELLYE SHARPE
No.	Date	Revisions	By	ICW	GA		

Professional Engineer's Name  
**WILLIAM (RICK) HELMADOLLAR**  
Professional Engineer No.  
039896



**GEORGIA**  
ENVIRONMENTAL PROTECTION DIVISION  
**Approved**  
Solid Waste Management Program  
Approved By: **Rima Najji**

**ARCADIS**  
ARCADIS U.S., INC.

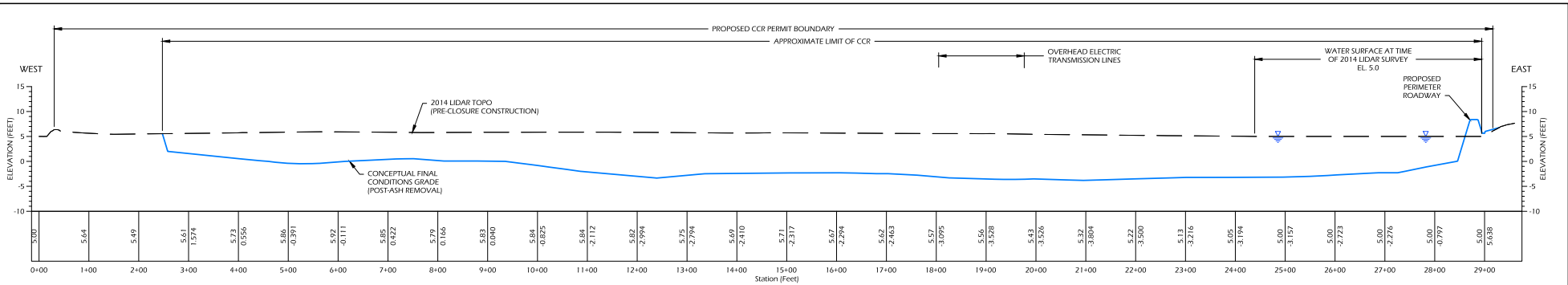
GEORGIA POWER • PLANT MCMANUS  
JOB PHASE

## FINAL CONDITIONS PLAN

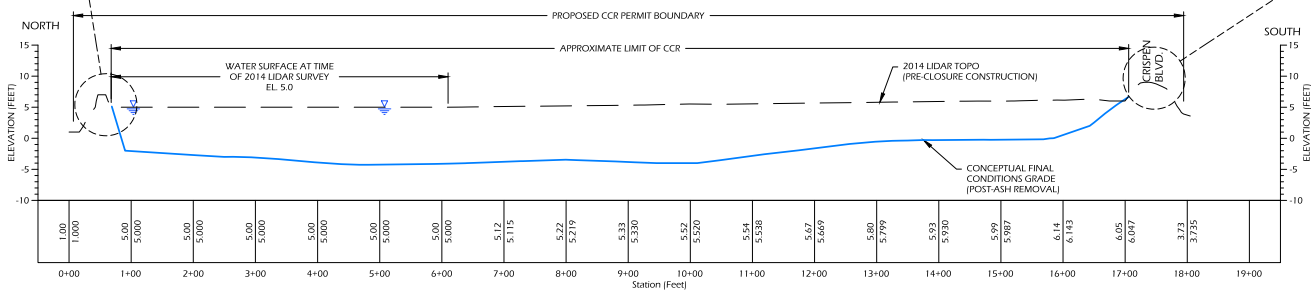
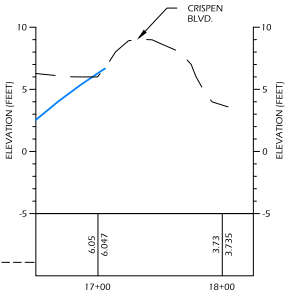
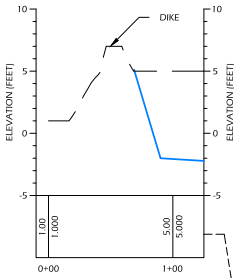
GENERAL, MECHANICAL, ELECTRICAL, STRUCTURAL, ETC. (IF REQUIRED)

ARCADIS Project No.  
30284473  
Date  
MARCH 2026  
ARCADIS  
2839 PACES FERRY ROAD  
SUITE 900  
ATLANTA, GA  
TEL. 770.431.8668

**6 Rev**  
**2**



**A** SECTION  
**7** ASH POND AP-1  
 WEST TO EAST  
 SCALE: 1" = 100'H, 1" = 10'V



**B** SECTION  
**7** ASH POND AP-1  
 NORTH TO SOUTH  
 SCALE: 1" = 100'H, 1" = 10'V

REV.	DATE	DESCRIPTION	DRN	APP
0	2/15/21	ISSUED FOR PERMIT	SS	JRB

**SECTIONS**

CCR PERMIT DRAWINGS  
 FOR  
 GEORGIA POWER  
 PLANT MC MANUS, INACTIVE ASH POND AP-1  
 GLYNN COUNTY, GEORGIA

OASIS CONSULTING SERVICES  
 45 WOODSTOCK STREET  
 ROSWELL, GEORGIA 30075  
 WWW.OASIS-CS.COM  
 VOICE (678) 739-2400  
 FAX (770) 552-5550

PROJ. NO.	17-4149	DWG.	17-4149-1-003	EDIT	REV 0
SCALE	1" = 150'				
DATE	FEB 2021	SHEET	7	OF	8



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