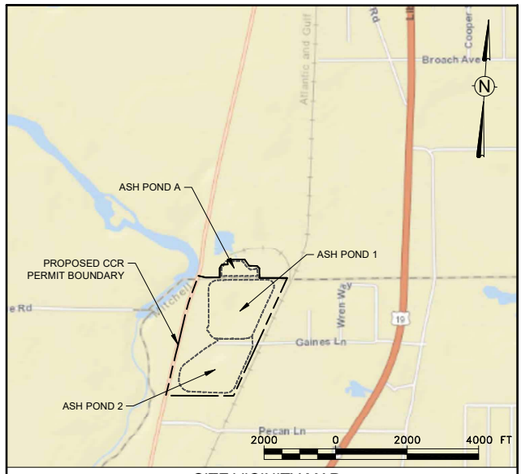
PLANT MITCHELL CCR SURFACE IMPOUNDMENT CLOSURES
ASH PONDS A, 1, AND 2 CLOSURE-BY-REMOVAL
MITCHELL AND DOUGHERTY COUNTIES, GEORGIA
APRIL 2022
PERMIT DRAWINGS - NOT FOR CONSTRUCTION



SITE VICINITY MAP

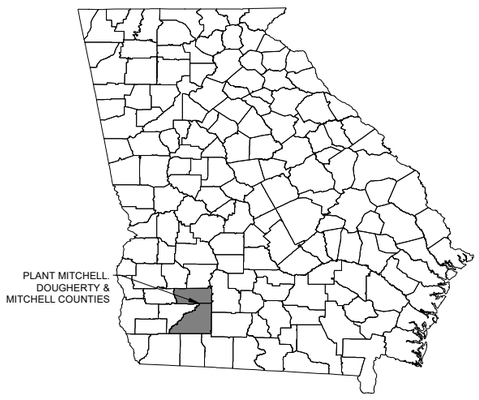
MAP SOURCE: ESRI WORLD TOPOGRAPHIC BASEMAP

1" = 2000'



SITE LOCATION MAP

1" = 1000'



GEORGIA STATE MAP

MAP SOURCE: USGS COUNTY DIGITAL MAPS

N.T.S

LIST OF DRAWINGS	
Sheet Number	Sheet Title
1	COVER SHEET
2	LEGEND AND NOTES
3	PROPERTY BOUNDARY SURVEY AND LEGAL DESCRIPTION
4	EXISTING CONDITIONS
5	ASH POND 2 EXISTING CONDITIONS
6	ASH POND 1 EXISTING CONDITIONS
7	ASH POND A EXISTING CONDITIONS
8	CCR REMOVAL PLAN
9	ASH POND 2 CCR REMOVAL PLAN
10	ASH POND 1 CCR REMOVAL PLAN
11	ASH POND A CCR REMOVAL PLAN
12	RESTORATION GRADING PLAN
13	ASH POND 2 RESTORATION GRADING PLAN
14	ASH POND 1 RESTORATION GRADING PLAN
15	ASH POND A RESTORATION GRADING PLAN
16	STORMWATER OUTFALL CHANNEL PLANS 1
17	STORMWATER OUTFALL CHANNEL PLANS 2
18	STORMWATER OUTFALL PROFILE
19	CULVERT DEMOLITION PLAN
20	CULVERT PLAN
21	CULVERT PROFILE
22	ASH POND A PROFILES
23	ASH POND 1 AND 2 PROFILES
24	DETAILS 1
25	ENVIRONMENTAL MONITORING PLAN

PREPARED FOR:

Georgia Power

GENERAL MANAGER
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GA COA#: PEF000213
EXPIRES 06/30/2022

GEORGIA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens

DATE: APRIL, 2022

GEORGIA
REGISTERED
No. PE026895
PROFESSIONAL
ENGINEER
KENNETH R. DAILY

COVER SHEET

SHEET NUMBER:	REV. #
1	0
SHEET 1 OF 25 SHEETS	

LINETYPE LEGEND

	PROPERTY BOUNDARY
	CCR PERMIT BOUNDARY
OE OE	OVERHEAD ELECTRIC UTILITY
	CHAIN LINK FENCE
	STORMWATER PIPES
	STREAMS (REF. 3)
	RAIL LINE
	BUILDING
	TREELINE
SL SL SL SL SL	ASH SLUICE LINE
LVS LVS LVS LVS LVS	LOW VOLUME DISCHARGE PIPE
TLVS? TLVS? TLVS? TLVS?	APPROXIMATE LOW VOLUME SUMP DISCHARGE PIPE LOCATION
	APPROXIMATE ASH POND LIMIT
	COUNTY LINE
	APPROXIMATE ASH POND RECYCLE LINE - BELOW GRADE
	FINGER DRAIN
	BORROW AREA
	COLLECTOR DITCH
	LATERAL DITCH
	ASH POND A REMOVAL LIMITS (ASH EXCAVATION NOTES: NOTE 3)

CONTOUR LEGEND

150	EXISTING MAJOR CONTOUR (10') (SEE REF. 1, 2, AND 5)
	EXISTING MINOR CONTOUR (2') (SEE REF. 1, 2, AND 5)
150	RESTORATION MAJOR CONTOUR (10')
	RESTORATION MINOR CONTOUR (2')
150	EXCAVATION MAJOR CONTOUR (10') (SEE ASH EXCAVATION NOTE 2)
	EXCAVATION MINOR CONTOUR (2') (SEE ASH EXCAVATION NOTE 2)
150	STORMWATER BERM MAJOR CONTOUR (10')
	STORMWATER BERM MINOR CONTOUR (2')

CROSS SECTION LEGEND

	EXISTING GRADE (SEE REF. 1, 2, AND 5)
	EXCAVATION GRADE
	PROPOSED FINAL GRADE

SYMBOL LEGEND

	LIGHTPOLE
	DROP INLET
	GUY WIRE
	UTILITY TOWER
	SURVEY BENCHMARK
	PERMIT MONITORING NETWORK WELL
	PERMIT GROUNDWATER PIEZOMETER
	CPT (REF. 4)
	SPT (REF. 4)
	NON-PERMIT WELL
	NON-PERMIT PIEZOMETER
	POWER POLE
	TREE

HATCH LEGEND

	CCR/SOIL TO REMAIN IN PLACE AS BENEFICIAL USE
	WETLANDS (REF. 3)
	EXISTING CONCRETE
	CONCEPTUAL RAILROAD AND ASH LOADING FACILITY
	CONCEPTUAL WASTEWATER TREATMENT FACILITY
	PHASE 1 DEMOLITION AREA
	PHASE 2 DEMOLITION AREA
	EARTHEN FILL
	CCR MATERIAL - TO BE REMOVED

PROJECT GENERAL NOTES:

1. SITE SPECIFIC ENVIRONMENTAL, HEALTH, AND SAFETY POLICIES OF SITE OWNER SHALL BE OBTAINED, UNDERSTOOD, AND ENFORCED AT ALL TIMES.
2. ALL WORK ACTIVITIES SHOULD BE PLANNED RECOGNIZING THE ENVIRONMENTAL SENSITIVITY OF THE WORK AREA AND PROXIMITY TO DELINEATED WETLANDS, STREAMS, AND THE FLINT RIVER.
3. THE WORK AREA SHALL BE CLEAN AT ALL TIMES. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED AT ALL TIMES, AND WETLANDS, STREAMS, AND THE FLINT RIVER SHOULD BE PROTECTED.
4. THE SITE CONDITIONS AND SITE LAYOUT SHALL BE FIELD VERIFIED PRIOR TO BEGINNING CONSTRUCTION.
5. CONTACT APPROPRIATE UTILITIES AND LOCATE UTILITIES PRIOR TO THE COMMENCEMENT OF WORK ACTIVITIES. VERIFY LOCATION AND DEPTHS OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
6. ASH POND A LIMITS ARE BASED ON HISTORICAL DRAWING H-103, DATED 1947 AND ARE APPROXIMATE.
7. ASH POND 1 AND 2 LIMITS ARE APPROXIMATE AND BASED ON EXISTING PERIMETER DIKE TOE OF SLOPE EVALUATED FROM TOPOGRAPHICAL MAPS.
8. ALL PIEZOMETERS AND GROUNDWATER MONITORING WELLS ARE TO BE PROTECTED AND PRESERVED UNLESS OTHERWISE NOTED FOR ABANDONMENT OR REMOVAL.
9. ALL PIEZOMETERS LOCATED IN THE ASH PONDS AND IN THE ASH POND DIKES SHALL BE PROTECTED AND PRESERVED DURING CONSTRUCTION UNTIL EXCAVATION REQUIRES THEIR REMOVAL. THE OWNER MUST APPROVE THEIR REMOVAL.
10. ALL FINGER DRAINS AND FINGER DRAIN PUMP STATIONS ARE TO REMAIN FUNCTIONAL UNTIL EXCAVATION AND REMOVAL OF THE ASH POND DIKES. DURING REMOVAL OF ASH POND DIKES, FINGER DRAINS AND FINGER DRAIN PUMP STATIONS ARE TO BE ABANDONED BY REMOVAL. ASH POND OUTFALL AND EMERGENCY OVERFLOW STRUCTURES WILL BE DEMOLISHED AND REMOVED PRIOR TO DIKE EXCAVATIONS.
11. THE ASH POND 1 AND 2 EMERGENCY OVERFLOW DISCHARGE PIPES WERE GROUTED IN 2017. THE DISCHARGE PIPES CONNECTING THE ASH POND 1 AND 2 OUTFALL STRUCTURES WERE GROUTED IN 2017.
12. THE EXISTING SLUICE LINES AND THE ASH POND RECYCLE LINES SHALL BE PROTECTED, PRESERVED, AND MAINTAINED FUNCTIONAL DURING CCR REMOVAL UNTIL EXCAVATION REQUIRES THEIR REMOVAL OR THEIR FUNCTION IS NO LONGER NEEDED. THE OWNER MUST APPROVE THEIR REMOVAL.
13. EQUIPMENT STAGING AND DECONTAMINATION AREAS MAY BE RELOCATED WITHIN THE ASH PONDS TO SUIT CONSTRUCTION ACTIVITIES.

GENERAL EROSION, SEDIMENT, AND POLLUTION CONTROL (ES&PC) NOTES:

1. ALL EROSION CONTROL MEASURES SHALL BE IN CONFORMANCE WITH THE CURRENT EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA." STORMWATER CONTROLS AND BEST MANAGEMENT PRACTICES SHALL BE DESIGNED, INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE APPLICABLE NPDES CONSTRUCTION STORMWATER DISCHARGE GENERAL PERMIT, NPDES INDUSTRIAL STORMWATER DISCHARGE GENERAL PERMIT AND/OR THE FACILITY'S NPDES INDUSTRIAL WASTEWATER DISCHARGE INDIVIDUAL PERMIT.
2. STORMWATER DISCHARGES ASSOCIATED WITH ASH POND CLOSURE ACTIVITIES WILL BE COVERED UNDER THE APPLICABLE NPDES CONSTRUCTION STORMWATER DISCHARGE GENERAL PERMIT, NPDES INDUSTRIAL STORMWATER DISCHARGE GENERAL PERMIT AND/OR THE FACILITY'S NPDES INDUSTRIAL WASTEWATER DISCHARGE INDIVIDUAL PERMIT. PLANT MITCHELL EXISTING ES&PC PLANS INCLUDE:
   - 2.1. RAIL LOADOUT FACILITY - ES&PC PLAN, APRIL 2, 2020.
   - 2.2. RAILROAD SPUR ES&PC PLANS, MARCH 30, 2020.
   - 2.3. BORROW & STOCKPILE AREAS ES&PC PLANS, AUGUST 23, 2019.
   - 2.4. WASTEWATER TREATMENT AREA ES&PC PLAN, NOVEMBER 14, 2019.
   - 2.5. WASTEWATER TREATMENT AREA RESTORATION ES&PC PLAN, AUGUST 24, 2020.
   - 2.6. PERIMETER CHANNELS ES&PC PLAN, JANUARY 14, 2022.
   - 2.7. ASH PONDS A, 1, AND 2 CLOSURE-BY-REMOVAL - PHASE 2 REDESIGN ES&PC PLAN, AUGUST 24, 2020.
3. STATE WATERS BUFFERS SHALL REMAIN UNDISTURBED, EXCEPT WHERE ENCROACHMENT IS REQUIRED TO FACILITATE ASH POND CLOSURE ACTIVITIES. UNLESS OTHERWISE EXEMPTED BY THE APPROPRIATE NPDES CONSTRUCTION STORMWATER DISCHARGE GENERAL PERMIT, A STATE WATERS BUFFER VARIANCE SHALL BE OBTAINED FROM GEORGIA EPD'S WATERSHED PROTECTION BRANCH PRIOR TO BUFFER ENCROACHMENT. GEORGIA EPD'S SOLID WASTE MANAGEMENT BRANCH SHALL BE NOTIFIED WHEN GPC ENVIRONMENTAL AFFAIRS APPLIES FOR A STATE WATERS BUFFER VARIANCE. CONTACT GPC ENVIRONMENTAL AFFAIRS FOR ASSISTANCE.
4. PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES FOR THIS PROJECT, THE PERMITTED BOUNDARY, THE LIMITS OF DISTURBANCE AND ALL WETLANDS AND STATE WATERS BUFFERS WITHIN 200 FEET OF THE LIMITS OF DISTURBANCE OR WITHIN THE PROPERTY BOUNDARY (WHICHEVER IS CLOSER) SHALL BE CLEARLY FLAGGED AND STAKED. THESE MARKINGS SHALL BE MAINTAINED UNTIL COMPLETION OF CONSTRUCTION / CLOSURE ACTIVITIES. SHOULD ANY OF THE MARKINGS BE DISTURBED, THE CONTRACTOR SHALL NOTIFY GEORGIA POWER COMPANY IMMEDIATELY. ALL CONSTRUCTION PERSONNEL SHALL BE SHOWN THE LOCATION OF THE LIMITS OF DISTURBANCE, STATE WATER BUFFERS, STATE WATERS AND WETLANDS OUTSIDE THE LIMITS OF DISTURBANCE TO PREVENT HEAVY EQUIPMENT ENCROACHMENT INTO THESE AREAS.
5. ES&PC MEASURES MUST BE INSTALLED PRIOR TO LAND DISTURBING ACTIVITIES.
6. ADDITIONAL ES&PC MEASURES WILL BE IMPLEMENTED IF THE EXISTING MEASURES ARE NOT PERFORMING ADEQUATELY TO MEET STATE REGULATIONS AS DICTATED BY FIELD CONDITIONS.
7. ES&PC MEASURES SHALL BE MAINTAINED IN CONTINUOUS EFFECTIVE OPERATING ORDER UNTIL SUCH TIME AS THEY ARE REMOVED. REPAIR OR REPLACE, AS APPLICABLE, ANY ES&PC MEASURES WHICH HAVE BEEN RENDERED INOPERABLE FOR ANY REASON.
8. ES&PC MEASURES SHALL REMAIN IN PLACE AND BE PROPERLY MAINTAINED UNTIL RELEVANT AREAS OF SITE ARE CONSIDERED CLOSED.
9. TEMPORARY VEGETATION IS ONLY APPLICABLE ONCE OVER-EXCAVATION HAS BEEN ACCOMPLISHED.

ASH EXCAVATION NOTES:

1. ASH POND EXCAVATION GRADES WERE ESTIMATED FROM SUBSURFACE EXPLORATION AND HISTORICAL DOCUMENTATION. ACTUAL ASH POND EXCAVATION GRADES ARE SUBJECT TO VARY BASED ON FIELD CONDITIONS.
2. THE CCR REMOVAL PLAN DRAWING SHOWS PROPOSED GRADES AFTER EXCAVATING 6-INCHES OF SOIL BELOW THE ESTIMATED ASH/SOIL INTERFACE.
3. ASH POND A ASH REMOVAL BOUNDARY IS SMALLER THAN THE HISTORIC ASH POND A BOUNDARY. THE ASH POND A ASH REMOVAL BOUNDARY IS BASED ON EXTENSIVE FIELD CHARACTERIZATION THAT DEFINED THE ASH LIMITS. FIELD CHARACTERIZATION SHOWED THAT THE ASH LIMITS WERE WITHIN (SMALLER THAN) THE HISTORIC ASH POND BOUNDARY.
4. ASH REMOVAL FROM UNDER AND AROUND THE 115-KV SWITCHYARD, TRANSMISSION TOWERS, AND GUY WIRES WOULD JEOPARDIZE THEIR STRUCTURAL STABILITY AND SAFE OPERATION. GPC WILL LEAVE THIS ASH IN PLACE AS PAST BENEFICIAL USE. A 15-FOOT OFFSET MUST BE MAINTAINED FROM THE 115-KV SWITCHYARD; A 25-FOOT OFFSET MUST BE MAINTAINED AROUND TRANSMISSION STRUCTURES.

SURVEY REQUIREMENTS:

1. SURVEYING SHALL BE TIED TO GEORGIA POWER COMPANY CONTROL MARKERS E-047-13 OR E-047-7 AS SHOWN ON DRAWING 3, PROPERTY BOUNDARY SURVEY AND LEGAL DESCRIPTION.
2. GEORGIA POWER COMPANY CONTROL MARKER E-047-7 IS LOCATED WITHIN CLOSE PROXIMITY TO THE PROPOSED ASH EXCAVATION IN ASH POND A, AND SHALL BE PROTECTED AND MAINTAINED FUNCTIONAL DURING ASH EXCAVATION AND FINAL RESTORATION.

EARTHWORK NOTES:

1. ACCEPTABLE CLASSIFICATIONS FOR SOIL MATERIALS USED FOR EARTHEN FILL ARE SAND (SW, SP, SM, SC), SILT (ML OR MH), OR CLAY (CL OR CH) UNDER THE UNIFIED SOIL CLASSIFICATION SYSTEM. UNACCEPTABLE CLASSIFICATIONS ARE PEAT (PT) OR ORGANIC SILT OR CLAY (OL OR OH). EARTHEN FILL SHALL BE DEFINED AS SOIL MATERIALS EITHER FROM THE EXISTING ASH POND DAMS OR FROM ONSITE OR OFFSITE BORROW SOURCES.
2. EARTHEN FILL WILL BE USED AS PART OF THE RESTORATION GRADING PLAN AND AS STORMWATER DIVERSION MEASURES AND SHALL BE FREE OF ORGANIC DEBRIS, TRASH, ASH OR OTHER DELETERIOUS MATERIALS UNLESS OTHERWISE APPROVED BY THE OWNER.

REFERENCES

1. EXISTING TOPOGRAPHIC INFORMATION WAS PRODUCED FROM PHOTOGRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHY OBTAINED ON APRIL 21, 2014 BY METRO ENGINEERING AND SURVEYING CO. INC.
2. TOPOGRAPHIC SURVEY WITHIN THE ASH POND 2LIMITS WAS COMPLETED BY GROUND SURVEY ON SEPTEMBER 28, 2017 BY EMC ENGINEERING.
3. STREAMS AND WETLANDS DELINEATED BY ECOLOGICAL SOLUTIONS FROM SEPTEMBER 19 TO 21, 2017 AND BASED ON OCTOBER 27, 2017 REPORT.
4. CONE PENETRATION TEST (CPT) AND STANDARD PENETRATION TEST (SPT) PERFORMED IN 2017 BY AMEC FOSTER WHEELER.
5. TOPOGRAPHIC SURVEY AROUND THE SOUTHWEST PORTION OF THE PROPERTY AND EXTENDING TO THE FLINT RIVER WAS COMPLETED BY GROUND SURVEY ON JUNE 7, 2018 BY WOOD.

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Nabil Murshed

wsp
ENVIRONMENT & INFRASTRUCTURE, INC.
2801 YORKMONT ROAD, SUITE 100
CHARLOTTE, NC 28208
TEL: (704) 357-8600

GA COA#: PEF000213
EXPIRES 06/30/2024

PERMIT DRAWINGS
NOT FOR CONSTRUCTION

GEORGIA REGISTERED NO. PE028605 PROFESSIONAL ENGINEER KENNETH R. DALY

NOT VALID WITHOUT SIGNATURE AND DATE

PROJECT:

Georgia Power

PLANT MITCHELL CCR SURFACE IMPOUNDMENT CLOSURES

ASH PONDS A, 1, AND 2 CLOSURE-BY-REMOVAL
MITCHELL AND DOUGHERTY COUNTIES, GEORGIA

PROJECT NO. 6123-20-1571

REVISIONS

NO.	DATE	BY	APPROVED
0	04/26/2022	A. EZE	K. DALY
1	01/24/2024	C. BUDSOCK	K. DALY

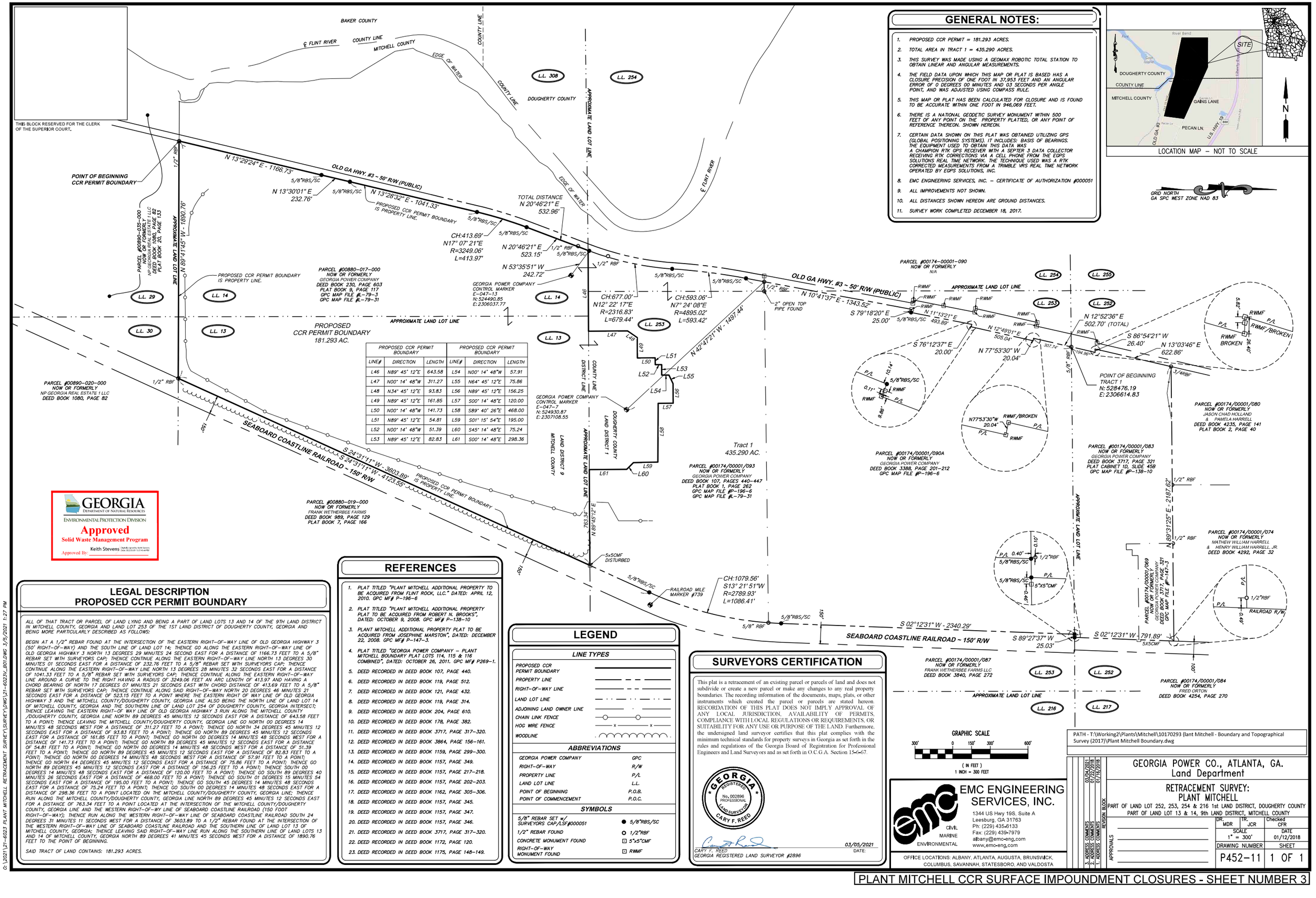
DESIGNED BY:	J. WRONA
DRAWN BY:	A. EZE
CHECKED BY:	K. DALY
APPROVED BY:	K. DALY
DATE:	01/24/2024

SHEET TITLE:

LEGEND AND NOTES

SHEET NUMBER:	REV. #
2	1

SHEET 2 OF 25 SHEETS



GENERAL NOTES:

1. PROPOSED CCR PERMIT = 181.293 ACRES.
2. TOTAL AREA IN TRACT 1 = 435.290 ACRES.
3. THIS SURVEY WAS MADE USING A GEOMAX ROBOTIC TOTAL STATION TO OBTAIN LINEAR AND ANGULAR MEASUREMENTS.
4. THE FIELD DATA UPON WHICH THIS MAP OR PLAT IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 37,953 FEET AND AN ANGULAR ERROR OF 0 DEGREES 00 MINUTES AND 03 SECONDS PER ANGLE POINT, AND WAS ADJUSTED USING COMPASS RULE.
5. THIS MAP OR PLAT HAS BEEN CALCULATED FOR CLOSURE AND IS FOUND TO BE ACCURATE WITHIN ONE FOOT IN 946,069 FEET.
6. THERE IS A NATIONAL GEODETIC SURVEY MONUMENT WITHIN 500 FEET OF ANY POINT ON THE PROPERTY PLATTED, OR ANY POINT OF REFERENCE THEREON. SHOWN HEREON.
7. CERTAIN DATA SHOWN ON THIS PLAT WAS OBTAINED UTILIZING GPS (GLOBAL POSITIONING SYSTEMS). IT INCLUDES: BASIS OF BEARINGS. THE EQUIPMENT USED TO OBTAIN THIS DATA WAS A CHAMPION RTK GPS RECEIVER WITH A SEPTER 3 DATA COLLECTOR RECEIVING RTK CORRECTIONS VIA A CELL PHONE FROM THE EGPS SOLUTIONS REAL TIME NETWORK. THE TECHNIQUE USED WAS A RTK CORRECTED MEASUREMENTS FROM A TRIMBLE VRS REAL TIME NETWORK OPERATED BY EGPS SOLUTIONS, INC.
8. EMC ENGINEERING SERVICES, INC. – CERTIFICATE OF AUTHORIZATION #000051
9. ALL IMPROVEMENTS NOT SHOWN.
10. ALL DISTANCES SHOWN HEREON ARE GROUND DISTANCES.
11. SURVEY WORK COMPLETED DECEMBER 18, 2017.

LOCATION MAP – NOT TO SCALE

GRID NORTH
GA SPC WEST ZONE NAD 83

PROPOSED CCR PERMIT BOUNDARY			PROPOSED CCR PERMIT BOUNDARY		
LINE#	DIRECTION	LENGTH	LINE#	DIRECTION	LENGTH
L46	N89° 45' 12"E	643.58	L54	N00° 14' 48"W	57.91
L47	N00° 14' 48"W	311.27	L55	N64° 45' 12"E	75.86
L48	N34° 45' 12"E	93.83	L56	N89° 45' 12"E	156.25
L49	N89° 45' 12"E	161.85	L57	S00° 14' 48"E	120.00
L50	N00° 14' 48"W	141.73	L58	S89° 40' 26"E	468.00
L51	N89° 45' 12"E	54.81	L59	S01° 15' 54"E	195.00
L52	N00° 14' 48"W	51.39	L60	S45° 14' 48"E	75.24
L53	N89° 45' 12"E	82.83	L61	S00° 14' 48"E	298.36

GEORGIA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens

LEGAL DESCRIPTION
PROPOSED CCR PERMIT BOUNDARY

ALL OF THAT TRACT OR PARCEL OF LAND LYING AND BEING A PART OF LAND LOTS 13 AND 14 OF THE 9TH LAND DISTRICT IN MITCHELL COUNTY, GEORGIA AND LAND LOT 253 OF THE 1ST LAND DISTRICT OF DOUGHERTY COUNTY, GEORGIA AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGIN AT A 1/2" REBAR FOUND AT THE INTERSECTION OF THE EASTERN RIGHT-OF-WAY LINE OF OLD GEORGIA HIGHWAY 3 (50' RIGHT-OF-WAY) AND THE SOUTH LINE OF LAND LOT 14; THENCE GO ALONG THE EASTERN RIGHT-OF-WAY LINE OF OLD GEORGIA HIGHWAY 3 NORTH 13 DEGREES 29 MINUTES 24 SECOND EAST FOR A DISTANCE OF 1166.73 FEET TO A 5/8" REBAR SET WITH SURVEYORS CAP; THENCE CONTINUE ALONG THE EASTERN RIGHT-OF-WAY LINE NORTH 13 DEGREES 30 MINUTES 01 SECONDS EAST FOR A DISTANCE OF 232.76 FEET TO A 5/8" REBAR SET WITH SURVEYORS CAP; THENCE CONTINUE ALONG THE EASTERN RIGHT-OF-WAY LINE NORTH 13 DEGREES 28 MINUTES 32 SECONDS EAST FOR A DISTANCE OF 1041.33 FEET TO A 5/8" REBAR SET WITH SURVEYORS CAP; THENCE CONTINUE ALONG THE EASTERN RIGHT-OF-WAY LINE AROUND A CURVE TO THE RIGHT HAVING A RADIUS OF 3249.06 FEET AN ARC LENGTH OF 413.97 AND HAVING A CHORD BEARING OF NORTH 17 DEGREES 07 MINUTES 21 SECONDS EAST WITH CHORD DISTANCE OF 413.69 FEET TO A 5/8" REBAR SET WITH SURVEYORS CAP; THENCE CONTINUE ALONG SAID RIGHT-OF-WAY NORTH 20 DEGREES 46 MINUTES 21 SECONDS EAST FOR A DISTANCE OF 523.15 FEET TO A POINT WHERE THE EASTERN RIGHT OF WAY LINE OF OLD GEORGIA HIGHWAY 3 AND THE MITCHELL COUNTY/DOUGHERTY COUNTY, GEORGIA LINE ALSO BEING THE NORTH LINE OF LAND LOT 14 OF MITCHELL COUNTY, GEORGIA AND THE SOUTHERN LINE OF LAND LOT 254 OF DOUGHERTY COUNTY, GEORGIA INTERSECT; THENCE LEAVING THE EASTERN RIGHT-OF WAY LINE OF OLD GEORGIA HIGHWAY 3 RUN ALONG THE MITCHELL COUNTY /DOUGHERTY COUNTY, GEORGIA LINE NORTH 89 DEGREES 45 MINUTES 12 SECONDS EAST FOR A DISTANCE OF 643.58 FEET TO A POINT; THENCE LEAVING THE MITCHELL COUNTY/DOUGHERTY COUNTY, GEORGIA LINE GO NORTH 00 DEGREES 14 MINUTES 48 SECONDS WEST FOR A DISTANCE OF 311.27 FEET TO A POINT; THENCE GO NORTH 34 DEGREES 45 MINUTES 12 SECONDS EAST FOR A DISTANCE OF 93.83 FEET TO A POINT; THENCE GO NORTH 89 DEGREES 45 MINUTES 12 SECONDS EAST FOR A DISTANCE OF 161.85 FEET TO A POINT; THENCE GO NORTH 00 DEGREES 14 MINUTES 48 SECONDS WEST FOR A DISTANCE OF 141.73 FEET TO A POINT; THENCE GO NORTH 89 DEGREES 45 MINUTES 12 SECONDS EAST FOR A DISTANCE OF 54.81 FEET TO A POINT; THENCE GO NORTH 00 DEGREES 14 MINUTES 48 SECONDS WEST FOR A DISTANCE OF 51.39 FEET TO A POINT; THENCE GO NORTH 89 DEGREES 45 MINUTES 12 SECONDS EAST FOR A DISTANCE OF 82.83 FEET TO A POINT; THENCE GO NORTH 00 DEGREES 14 MINUTES 48 SECONDS WEST FOR A DISTANCE OF 57.91 FEET TO A POINT; THENCE GO NORTH 64 DEGREES 45 MINUTES 12 SECONDS EAST FOR A DISTANCE OF 75.86 FEET TO A POINT; THENCE GO NORTH 89 DEGREES 45 MINUTES 12 SECONDS EAST FOR A DISTANCE OF 156.25 FEET TO A POINT; THENCE SOUTH 00 DEGREES 14 MINUTES 48 SECONDS EAST FOR A DISTANCE OF 120.00 FEET TO A POINT; THENCE GO SOUTH 89 DEGREES 40 MINUTES 26 SECONDS EAST FOR A DISTANCE OF 468.00 FEET TO A POINT; THENCE GO SOUTH 01 DEGREES 15 MINUTES 54 SECONDS EAST FOR A DISTANCE OF 195.00 FEET TO A POINT; THENCE GO SOUTH 45 DEGREES 14 MINUTES 48 SECONDS EAST FOR A DISTANCE OF 75.24 FEET TO A POINT; THENCE GO SOUTH 00 DEGREES 14 MINUTES 48 SECONDS EAST FOR A DISTANCE OF 298.36 FEET TO A POINT LOCATED ON THE MITCHELL COUNTY/DOUGHERTY COUNTY, GEORGIA LINE; THENCE RUN ALONG THE MITCHELL COUNTY/DOUGHERTY COUNTY, GEORGIA LINE NORTH 89 DEGREES 45 MINUTES 12 SECONDS EAST FOR A DISTANCE OF 763.34 FEET TO A POINT LOCATED AT THE INTERSECTION OF THE MITCHELL COUNTY/DOUGHERTY COUNTY, GEORGIA LINE AND THE WESTERN RIGHT-OF-WY LINE OF SEABOARD COASTLINE RAILROAD (150 FOOT RIGHT-OF-WAY); THENCE RUN ALONG THE WESTERN RIGHT-OF-WAY LINE OF SEABOARD COASTLINE RAILROAD SOUTH 24 DEGREES 31 MINUTES 11 SECONDS WEST FOR A DISTANCE OF 3603.89 TO A 1/2" REBAR FOUND AT THE INTERSECTION OF THE WESTERN RIGHT-OF-WAY LINE OF SEABOARD COASTLINE RAILROAD AND THE SOUTHERN LINE OF LAND LOT 13 OF MITCHELL COUNTY, GEORGIA; THENCE LEAVING SAID RIGHT-OF-WAY LINE RUN ALONG THE SOUTHERN LINE OF LAND LOTS 13 AND 14 OF MITCHELL COUNTY, GEORGIA NORTH 89 DEGREES 41 MINUTES 45 SECONDS WEST FOR A DISTANCE OF 1890.76 FEET TO THE POINT OF BEGINNING.

SAID TRACT OF LAND CONTAINS: 181.293 ACRES.

REFERENCES

1. PLAT TITLED "PLANT MITCHELL ADDITIONAL PROPERTY TO BE ACQUIRED FROM FLINT ROCK, LLC." DATED: APRIL 12, 2010. GPC MF# P~196~6
2. PLAT TITLED "PLANT MITCHELL ADDITIONAL PROPERTY PLAT TO BE ACQUIRED FROM ROBERT N. BROOKS", DATED: OCTOBER 9, 2008. GPC MF# P~138~10
3. PLANT MITCHELL ADDITIONAL PROPERTY PLAT TO BE ACQUIRED FROM JOSEPHINE MARSTON", DATED: DECEMBER 22, 2008. GPC MF# P~147~3.
4. PLAT TITLED "GEORGIA POWER COMPANY – PLANT MITCHELL BOUNDARY PLAT LOTS 114, 115 & 116 COMBINED", DATED: OCTOBER 26, 2011. GPC MF# P269~1.
5. DEED RECORDED IN DEED BOOK 107, PAGE 440.
6. DEED RECORDED IN DEED BOOK 119, PAGE 512.
7. DEED RECORDED IN DEED BOOK 121, PAGE 432.
8. DEED RECORDED IN DEED BOOK 119, PAGE 314.
9. DEED RECORDED IN DEED BOOK 204, PAGE 610.
10. DEED RECORDED IN DEED BOOK 178, PAGE 382.
11. DEED RECORDED IN DEED BOOK 3717, PAGE 317~320.
12. DEED RECORDED IN DEED BOOK 3864, PAGE 156~161.
13. DEED RECORDED IN DEED BOOK 1159, PAGE 299~300.
14. DEED RECORDED IN DEED BOOK 1157, PAGE 349.
15. DEED RECORDED IN DEED BOOK 1157, PAGE 217~218.
16. DEED RECORDED IN DEED BOOK 1157, PAGE 202~203.
17. DEED RECORDED IN DEED BOOK 1162, PAGE 305~306.
18. DEED RECORDED IN DEED BOOK 1157, PAGE 345.
19. DEED RECORDED IN DEED BOOK 1157, PAGE 347.
20. DEED RECORDED IN DEED BOOK 1157, PAGE 346.
21. DEED RECORDED IN DEED BOOK 3717, PAGE 317~320.
22. DEED RECORDED IN DEED BOOK 1172, PAGE 120.
23. DEED RECORDED IN DEED BOOK 1175, PAGE 148~149.

LEGEND

LINE TYPES

PROPOSED CCR PERMIT BOUNDARY	
PROPERTY LINE	
RIGHT-OF-WAY LINE	
LAND LOT LINE	
ADJOINING LAND OWNER LINE	
CHAIN LINK FENCE	
HOG WIRE FENCE	x x
WOODLINE	

ABBREVIATIONS

GEORGIA POWER COMPANY	GPC
RIGHT-OF-WAY	R/W
PROPERTY LINE	P/L
LAND LOT LINE	L.L.
POINT OF BEGINNING	P.O.B.
POINT OF COMMENCEMENT	P.O.C.

SYMBOLS

5/8" REBAR SET w/ SURVEYORS CAP/LSF#000051	● 5/8"RBS/SC
1/2" REBAR FOUND	○ 1/2"RBF
CONCRETE MONUMENT FOUND	⊡ 5"x5"CMF
RIGHT-OF-WAY MONUMENT FOUND	⊡ RWMF

SURVEYORS CERTIFICATION

This plat is a retracement of an existing parcel or parcels of land and does not subdivide or create a new parcel or make any changes to any real property boundaries. The recording information of the documents, maps, plats, or other instruments which created the parcel or parcels are stated hereon. RECORDATION OF THIS PLAT DOES NOT IMPLY APPROVAL OF ANY LOCAL JURISDICTION, AVAILABILITY OF PERMITS, COMPLIANCE WITH LOCAL REGULATIONS OR REQUIREMENTS, OR SUITABILITY FOR ANY USE OR PURPOSE OF THE LAND. Furthermore, the undersigned land surveyor certifies that this plat complies with the minimum technical standards for property surveys in Georgia as set forth in the rules and regulations of the Georgia Board of Registration for Professional Engineers and Land Surveyors and as set forth in O.C.G.A. Section 15~6~67.

GEORGIA REGISTERED No. 002896 PROFESSIONAL LAND SURVEYOR CARY F. REED

CARY F. REED
GEORGIA REGISTERED LAND SURVEYOR #2896

03/05/2021
DATE:

EMC ENGINEERING SERVICES, INC.
CIVIL MARINE ENVIRONMENTAL
1344 US Hwy 19S, Suite A
Leesburg, GA 31763
Ph: (229) 435-6133
Fax: (229) 439-7979
albany@emc-eng.com
www.emc-eng.com
OFFICE LOCATIONS: ALBANY, ATLANTA, AUGUSTA, BRUNSWICK, COLUMBUS, SAVANNAH, STATESBORO, AND VALDOSTA

PATH - T:\Working2\Plants\Mitchell\10170293 (Ian Mitchell - Boundary and Topographical Survey (2017)\Plant Mitchell Boundary.dwg

APPROVALS	REVISION BLOCK	DATE
	3. ADDRESS COMMENTS	03/04/2021
	2. ADDRESS COMMENTS	01/22/2018
	1. ADDRESS COMMENTS	01/16/2018

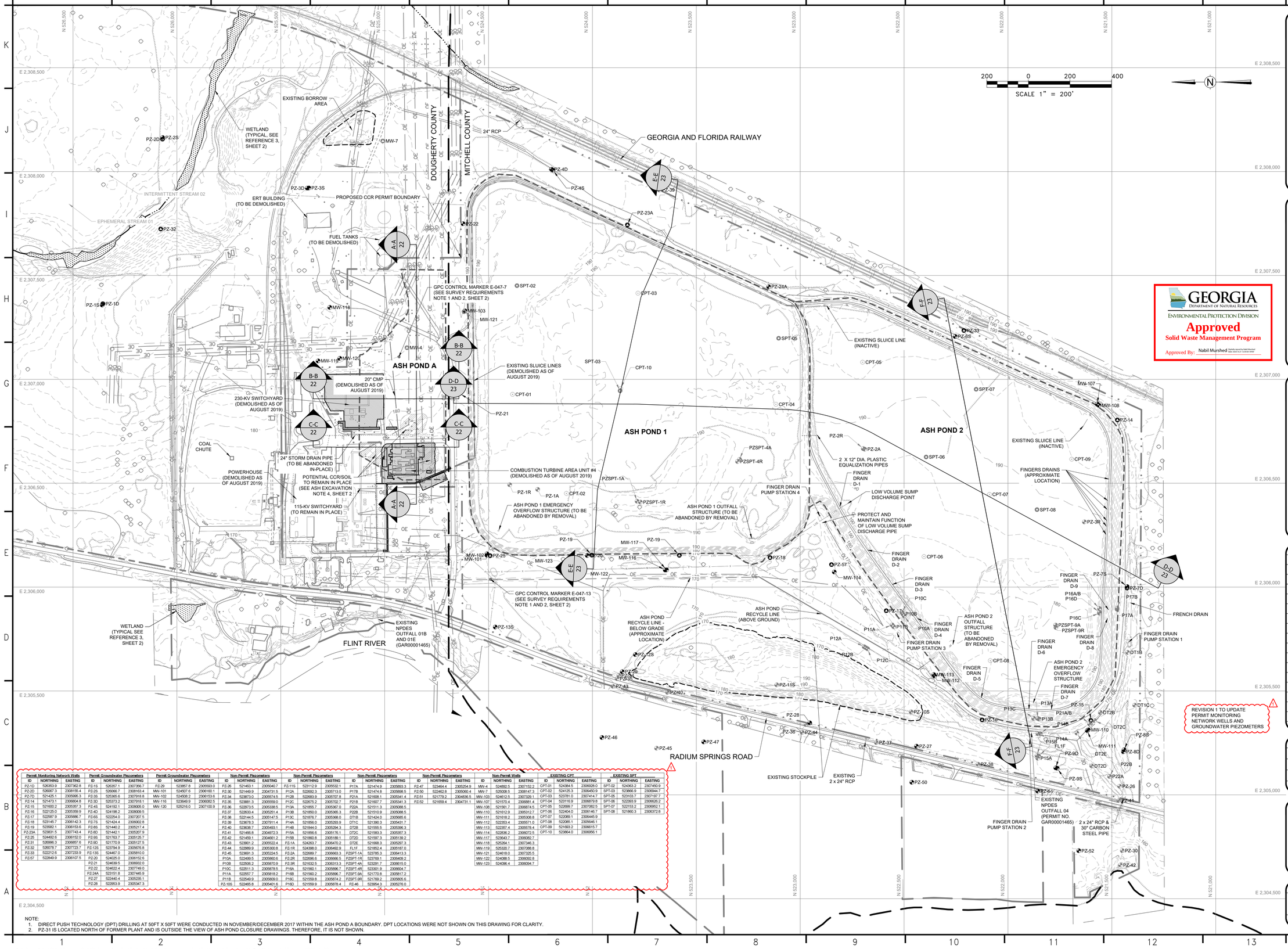
GEORGIA POWER CO., ATLANTA, GA.
Land Department

RETRACEMENT SURVEY:
PLANT MITCHELL

PART OF LAND LOT 252, 253, 254 & 216 1st LAND DISTRICT, DOUGHERTY COUNTY
PART OF LAND LOT 13 & 14, 9th LAND DISTRICT, MITCHELL COUNTY

DR.	TR.	Checked
MDR	JCR	CFR
SCALE		DATE
1" = 300'		01/12/2018
DRAWING NUMBER		SHEET
P452~11		1 OF 1

G:\2021\21~6023 PLANT MITCHELL RETRACEMENT SURVEY\SURVEY\DWG\21~6023V_BDY.DWG 3/5/2021 1:27 PM



Permit Monitoring Network Wells			Permit Groundwater Piezometers			Permit Groundwater Piezometers			Non-Permit Piezometers			Non-Permit Piezometers			Non-Permit Piezometers			Non-Permit Piezometers			Non-Permit Piezometers		
ID	NORTHING	EASTING	ID	NORTHING	EASTING	ID	NORTHING	EASTING	ID	NORTHING	EASTING	ID	NORTHING	EASTING	ID	NORTHING	EASTING	ID	NORTHING	EASTING	ID	NORTHING	EASTING
PZ-1D	526353.9	2307302.8	PZ-1S	526357.1	2307356.7	PZ-29	523857.8	2305593.0	PZ-26	521463.1	2305940.7	PZ-11S	523112.9	2305532.1	P17A	521474.9	2305893.3	PZ-47	523464.4	2305254.9	MW-4	524892.5	2307152.2
PZ-2D	526067.3	2308155.4	PZ-2S	526066.7	2308163.4	MW-101	524507.6	2306160.1	PZ-30	521449.9	2304731.5	P12A	522692.3	2305713.0	P17B	521474.8	2305898.5	PZ-50	522462.8	2305090.4	MW-7	525008.5	2308147.3
PZ-7D	521425.1	2305995.3	PZ-3S	526065.6	2307918.8	MW-102	524508.2	2306153.6	PZ-34	523873.0	2305524.5	P12B	522683.9	2305707.8	P21A	521699.1	2305341.4	PZ-51	521739.2	2304836.5	MW-103	524612.5	2307329.1
PZ-14	521473.1	2306804.8	PZ-3D	525373.2	2307918.1	MW-116	523649.9	2306082.5	PZ-35	523881.3	2305559.0	P12C	522675.2	2305702.7	P21B	521607.7	2305341.3	PZ-52	521659.4	2304731.1	MW-107	521570.4	2306881.4
PZ-15	521600.2	2305357.3	PZ-4S	524192.1	2308005.0	MW-120	525216.0	2307100.9	PZ-36	523973.5	2305338.5	P13A	521855.7	2305367.0	P22A	521511.3	2305088.5				MW-108	521561.7	2306874.5
PZ-16	521125.0	2305359.9	PZ-4D	524198.2	2308009.5				PZ-37	523633.4	2305251.4	P13B	521850.0	2305365.3	P22B	521510.9	2305088.5				MW-110	521612.9	2305312.7
PZ-17	522587.9	2305890.7	PZ-6S	522254.0	2307207.5				PZ-38	522144.5	2305147.5	P13C	521878.7	2305368.0	DT1B	521424.0	2305685.6				MW-111	521618.2	2305308.8
PZ-18	523145.7	2306042.3	PZ-7S	521424.4	2306002.8				PZ-39	523678.3	2307911.4	P14A	521856.0	2305259.9	DT1C	521390.3	2305431.7				MW-112	522353.4	2305571.0
PZ-19	523582.1	2306153.6	PZ-8S	521440.2	2305217.4				PZ-40	523681.2	2304593.1	P14B	521844.0	2305294.3	DT2B	521555.5	2305088.5				MW-113	522357.4	2305678.4
PZ-23A	523831.5	2307743.4	PZ-8D	521442.1	2305207.9				PZ-41	521466.8	2304972.3	P15A	521856.6	2305178.1	DT2C	521583.3	2305357.3				MW-114	522836.2	2306072.5
PZ-24	524492.6	2306152.0	PZ-9S	521763.7	2305125.7				PZ-42	521459.1	2304991.2	P15B	521860.8	2305189.1	DT2D	521597.3	2305139.2				MW-117	525643.7	2306082.7
PZ-31	526996.3	2306857.6	PZ-9D	521770.9	2305127.5				PZ-43	523901.2	2305522.4	P15C	521864.0	2305178.1	DT2E	521668.3	2305297.3				MW-118	525264.1	2307346.3
PZ-32	526078.7	2307723.7	PZ-12S	523794.9	2305676.8				PZ-44	522989.9	2305300.8	P21B	521878.6	2305192.1	FL1F	521852.4	2305187.0				MW-119	525330.7	2307088.8
PZ-33	522212.6	2307233.9	PZ-13S	524467.0	2305810.0				PZ-45	523691.3	2305224.5	P21C	521878.7	2305198.1	FL1F	521852.4	2305187.0				MW-120	524618.0	2307325.5
PZ-57	522849.9	2306107.5	PZ-20	524025.0	2306152.6				PZ-46	523694.7	2305075.0	P22A	521878.8	2305198.1							MW-121	524088.5	2306092.8
			PZ-21	524639.5	2306932.0							P22B	521878.8	2305198.1							MW-122	524088.5	2306092.8
			PZ-22	524622.4	2307749.0							P22C	521878.8	2305198.1							MW-123	524096.4	2306094.7
			PZ-24A	523151.8	2307445.9							P22D	521878.8	2305198.1									
			PZ-27	522440.4	2306235.1							P22E	521878.8	2305198.1									
			PZ-28	522953.9	2305347.3							P16D	521559.9	2305878.4	PZ-46	523694.3	2305275.0						

EXISTING CPT			EXISTING SPT		
ID	NORTHING	EASTING	ID	NORTHING	EASTING
CPT-01	524384.5	2306928.0	SPT-02	524363.2	2307450.9
CPT-02	524125.3	2306450.9	SPT-03	523866.9	2306944.7
CPT-03	523781.0	2307414.7	SPT-05	523103.7	2307197.7
CPT-04	523116.9	2306879.8	SPT-06	522393.9	2306926.2
CPT-05	522699.7	2307082.5	SPT-07	522153.2	2306952.1
CPT-06	524404.0	2306146.7	SPT-08	521860.3	2306372.8
CPT-07	522089.1	2306445.9			
CPT-08	522085.1	2305946.1			
CPT-09	521693.2	2306615.7			
CPT-10	523864.0	2306956.1			

NOTE:
1. DIRECT PUSH TECHNOLOGY (DPT) DRILLING AT 50FT X 50FT WERE CONDUCTED IN NOVEMBER/DECEMBER 2017 WITHIN THE ASH POND A BOUNDARY. DPT LOCATIONS WERE NOT SHOWN ON THIS DRAWING FOR CLARITY.
2. PZ-31 IS LOCATED NORTH OF FORMER PLANT AND IS OUTSIDE THE VIEW OF ASH POND CLOSURE DRAWINGS. THEREFORE, IT IS NOT SHOWN.

wsp
ENVIRONMENT & INFRASTRUCTURE, INC.
2801 YORKMONT ROAD, SUITE 100
CHARLOTTE, NC 28208
TEL: (704) 357-8600
GA COA#: PEF000213
EXPIRES 06/30/2024

PERMIT DRAWINGS
NOT FOR CONSTRUCTION

REGISTERED NO. PE028605 PROFESSIONAL ENGINEER KENNETH R. DALY

NOT VALID WITHOUT SIGNATURE AND DATE

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Nabil Mursheed

PROJECT:
Georgia Power
PLANT MITCHELL CCR SURFACE IMPOUNDMENT CLOSURES
ASH PONDS A, 1, AND 2 CLOSURE-BY-REMOVAL
MITCHELL AND DOUGHERTY COUNTIES, GEORGIA
PROJECT NO. 6123-20-1571

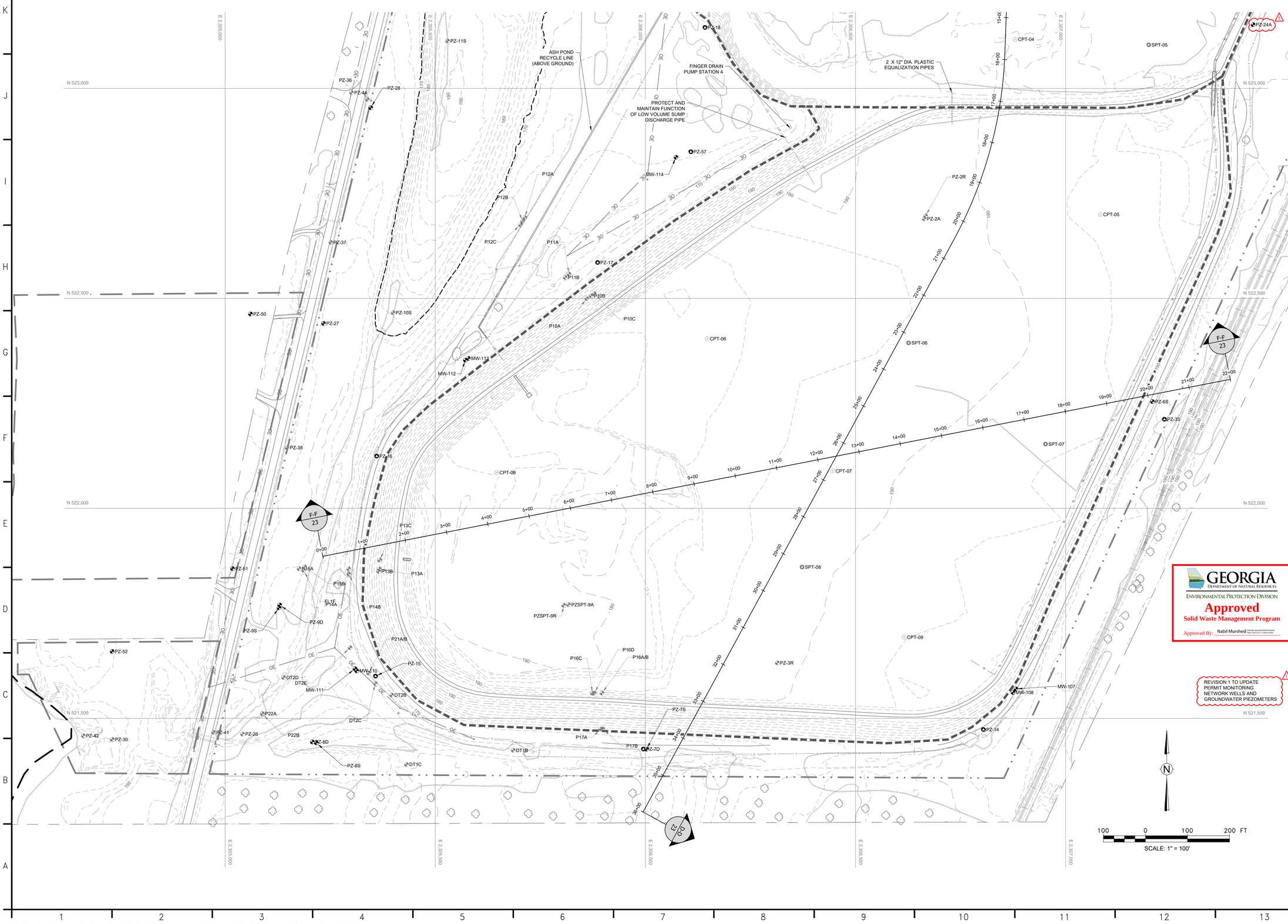
REVISIONS			
NO.	DATE	BY	APPROVED
0	04/26/2022	A. EZE	K. DALY
1	01/24/2024	C. BUDSOCK	K. DALY

1 REVISION 1 TO UPDATE PERMIT MONITORING NETWORK WELLS AND GROUNDWATER PIEZOMETERS

DESIGNED BY:	J. WRONA
DRAWN BY:	A. EZE
CHECKED BY:	K. DALY
APPROVED BY:	K. DALY
DATE:	01/24/2024

SHEET TITLE:
EXISTING CONDITIONS

SHEET NUMBER:	REV. #
4	1
SHEET 4 OF 25 SHEETS	



ENVIRONMENT & INFRASTRUCTURE, INC.
2801 YORKMONT ROAD, SUITE 100
CHARLOTTE, NC 28208
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GA COA#: PEF000213
EXPIRES 06/30/2024

PERMIT DRAWINGS
NOT FOR CONSTRUCTION

REGISTERED
NO. PE028505
PROFESSIONAL
ENGINEER
KENNETH R. DALY

NOT VALID WITHOUT SIGNATURE AND DATE

PROJECT:

Georgia Power

PLANT MITCHELL CCR SURFACE IMPOUNDMENT CLOSURES

ASH PONDS A, 1, AND 2
CLOSURE-BY-REMOVAL
MITCHELL AND DOUGHERTY COUNTIES, GEORGIA

PROJECT NO. 6123-20-1571

REVISIONS			
NO.	DATE	BY	APPROVED
0	04/26/2022	A. EZE	K. DALY
1	01/24/2024	C. BUDSOCK	K. DALY

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Nabil Mursheed

REVISION 1 TO UPDATE PERMIT MONITORING NETWORK WELLS AND GROUNDWATER PIEZOMETERS

DESIGNED BY:	J. WRONA
DRAWN BY:	A. EZE
CHECKED BY:	K. DALY
APPROVED BY:	K. DALY
DATE:	01/24/2024

SHEET TITLE:

ASH POND 2 EXISTING CONDITIONS

SCALE: 1" = 100'

SHEET NUMBER:	REV. #
5	1
SHEET 5 OF 25 SHEETS	

Q:\GAPower\6123201571 – MIT CCR Permit\4 EXISTING CONDITIONS.dwg – 5 ASH POND 2 EXISTING CONDITIONS 01/24/2024 2:38pm USSS718857

FLINT RIVER

DOUGHERTY COUNTY

MITCHELL COUNTY

COMBUSTION TURBINE AREA UNIT #4 (DEMOLISHED AS OF AUGUST 2019)

PROPOSED CCR PERMIT BOUNDARY

EXISTING SLUICE LINES (DEMOLISHED AS OF AUGUST 2019)

GPC CONTROL MARKER E-047-13 (SEE SURVEY REQUIREMENTS NOTE 1 AND 2, SHEET 2)

ASH POND 1 EMERGENCY OVERFLOW STRUCTURE (TO BE ABANDONED BY REMOVAL)

ASH POND 1

ASH POND RECYCLE LINE - BELOW GRADE (APPROXIMATE LOCATION)

ASH POND RECYCLE LINE (ABOVE GROUND)

ASH POND 1 OUTFALL STRUCTURE (TO BE ABANDONED BY REMOVAL)

FINGER DRAIN PUMP STATION 4

2 X 12" DIA. PLASTIC EQUALIZATION PIPES

PROTECT AND MAINTAIN FUNCTION OF LOW VOLUME SUMP DISCHARGE PIPE

24" RCP

GEORGIA AND FLORIDA RAILWAY

MW-101 MW-102 MW-103 MW-4 MW-116 MW-117 MW-121 MW-122 MW-123

PZ-11S PZ-12S PZ-13S PZ-18 PZ-19 PZ-20 PZ-21 PZ-22 PZ-23A PZ-24A PZ-25 PZ-28 PZ-29 PZ-34 PZ-35 PZ-36 PZ-40 PZ-43 PZ-44 PZ-46 PZ-47 PZ-4D PZ-4S

PZ-1A PZ-1R PZSPT-1A PZSPT-1R PZSPT-4A PZSPT-4R

CPT-01 CPT-02 CPT-03 CPT-04 CPT-10

SPT-02 SPT-03 SPT-05

C-C 22 D-D 23 B-B 22 E-E 23 E-E 23

REVISION 1 TO UPDATE PERMIT MONITORING NETWORK WELLS AND GROUNDWATER PIEZOMETERS

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Nabil Murshed

100 0 100 200 FT
SCALE: 1" = 100'

wsp
ENVIRONMENT & INFRASTRUCTURE, INC.
2801 YORKMONT ROAD, SUITE 100
CHARLOTTE, NC 28208
TEL: (704) 357-8600

GA COA#: PEF000213
EXPIRES 06/30/2024

PERMIT DRAWINGS
NOT FOR CONSTRUCTION

GEORGIA REGISTERED NO. PE028505 PROFESSIONAL ENGINEER KENNETH R. DALY

NOT VALID WITHOUT SIGNATURE AND DATE

PROJECT:

Georgia Power

PLANT MITCHELL CCR SURFACE IMPOUNDMENT CLOSURES

ASH PONDS A, 1, AND 2 CLOSURE-BY-REMOVAL
MITCHELL AND DOUGHERTY COUNTIES, GEORGIA

PROJECT NO. 6123-20-1571

REVISIONS

NO.	DATE	BY	APPROVED
0	04/26/2022	A. EZE	K. DALY
1	01/24/2024	C. BUDSOCK	K. DALY

DESIGNED BY:	J. WRONA
DRAWN BY:	A. EZE
CHECKED BY:	K. DALY
APPROVED BY:	K. DALY
DATE:	01/24/2024

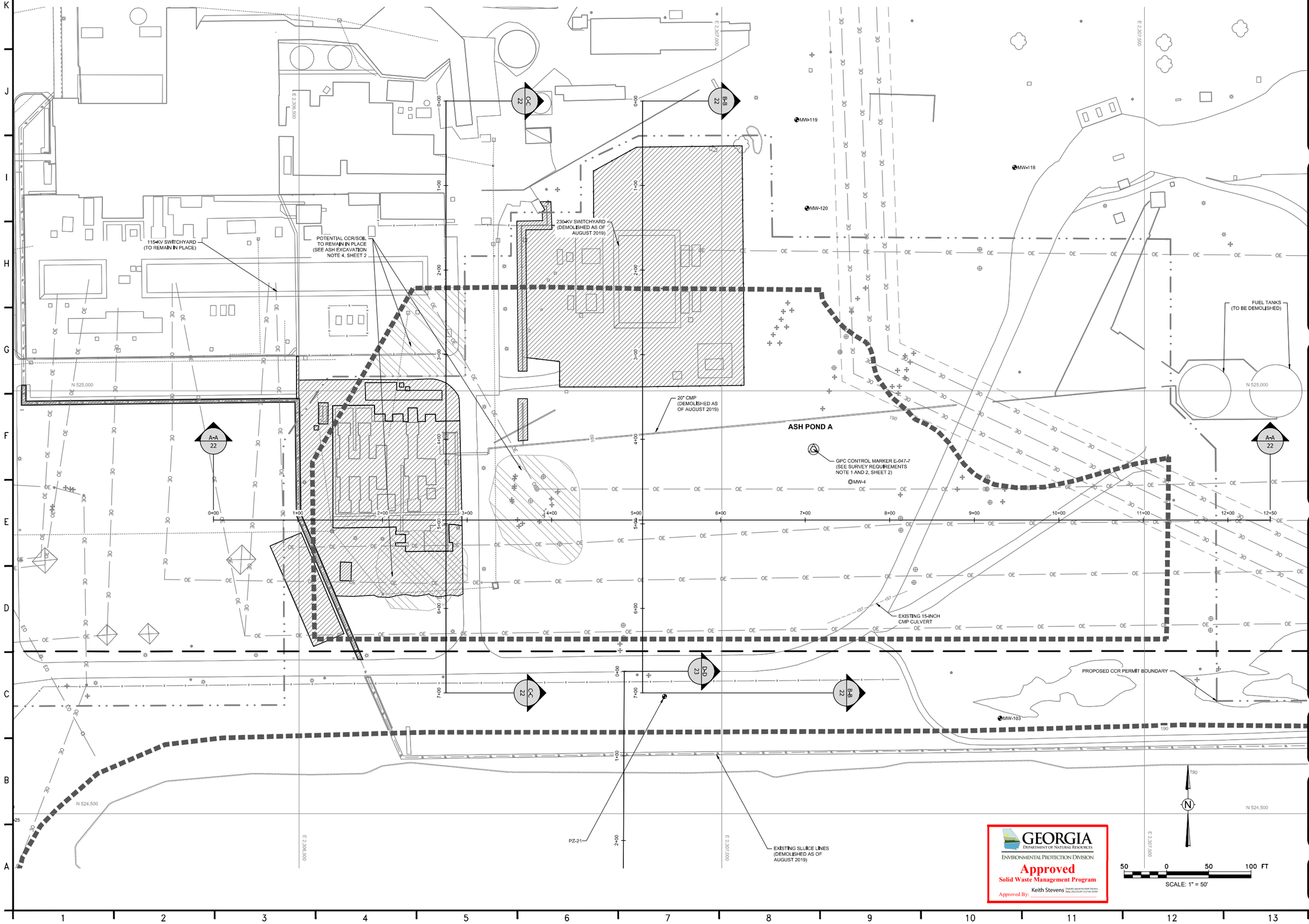
SHEET TITLE:

ASH POND 1 EXISTING CONDITIONS

SHEET NUMBER: 6 REV. # 1

SHEET 6 OF 25 SHEETS

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wood.

ENVIRONMENT &
INFRASTRUCTURE SOLUTIONS
2801 YORKMONT ROAD,
SUITE 100
CHARLOTTE, NC 28208
TEL: (704) 357-8600

GA COA#: PEF000213
EXPIRES 06/30/2022

PERMIT DRAWINGS
NOT FOR CONSTRUCTION

GEORGIA
REGISTERED
4/26/2022
NO. PE026896
PROFESSIONAL
ENGINEER
KENNETH R. DALY

NOT VALID WITHOUT
SIGNATURE AND DATE

PROJECT:

Georgia Power

PLANT MITCHELL CCR
SURFACE IMPOUNDMENT
CLOSURES

ASH PONDS A, 1, AND 2
CLOSURE-BY-REMOVAL
MITCHELL AND DOUGHERTY
COUNTIES, GEORGIA

PROJECT NO. 6123-20-1571

REVISIONS			
NO.	DATE	BY	APPROVED
0	04/26/2022	A. EZE	K. DALY

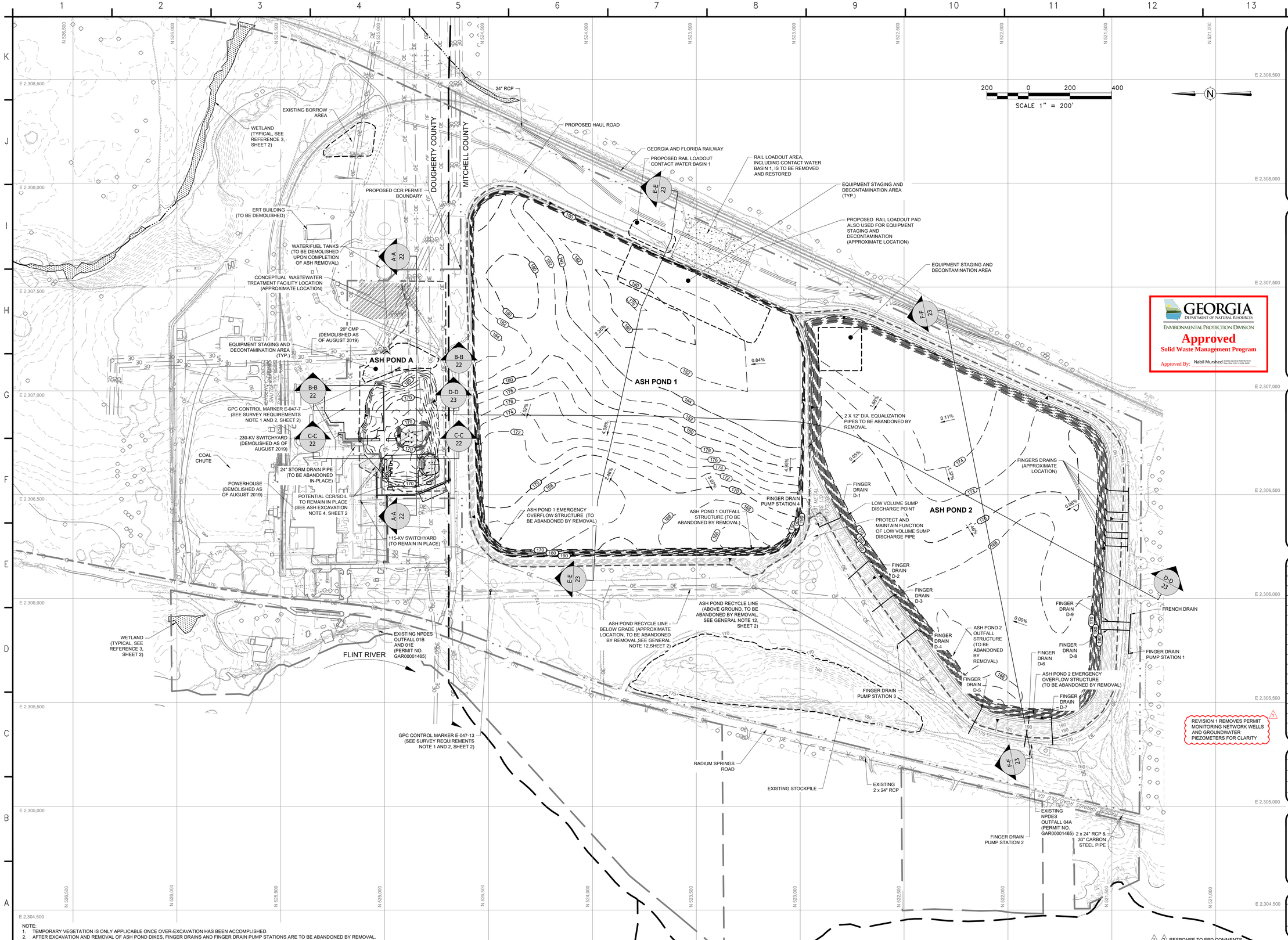
DESIGNED BY:	J. WRONA
DRAWN BY:	A. EZE
CHECKED BY:	K. DALY
APPROVED BY:	K. DALY
DATE:	04/26/2022

SHEET TITLE:

ASH POND A EXISTING
CONDITIONS

SHEET NUMBER:	REV. #
7	0
SHEET 7 OF 25 SHEETS	

GEORGIA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2022.05.09 15:27:46 -04'00'



NOTE:
1. TEMPORARY VEGETATION IS ONLY APPLICABLE ONCE OVER-EXCAVATION HAS BEEN ACCOMPLISHED.
2. AFTER EXCAVATION AND REMOVAL OF ASH POND DIKES, FINGER DRAINS AND FINGER DRAIN PUMP STATIONS ARE TO BE ABANDONED BY REMOVAL.

wsp

ENVIRONMENT & INFRASTRUCTURE, INC.
2801 YORKMONT ROAD,
SUITE 100
CHARLOTTE, NC 28208
TEL: (704) 357-8600

GA COA#: PEF000213
EXPIRES 06/30/2024

PERMIT DRAWINGS
NOT FOR CONSTRUCTION

GEORGIA REGISTERED NO. PE025805 PROFESSIONAL ENGINEER KENNETH R. DALY

NOT VALID WITHOUT SIGNATURE AND DATE

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Nabil Murshed

PROJECT:

Georgia Power

PLANT MITCHELL CCR SURFACE IMPOUNDMENT CLOSURES

ASH PONDS A, 1, AND 2 CLOSURE-BY-REMOVAL
MITCHELL AND DOUGHERTY COUNTIES, GEORGIA

PROJECT NO. 6123-20-1571

REVISIONS

NO.	DATE	BY	APPROVED
0	04/26/2022	A. EZE	K. DALY
1	01/24/2024	C. BUDSOCK	K. DALY

1 REVISION 1 REMOVES PERMIT MONITORING NETWORK WELLS AND GROUNDWATER PIEZOMETERS FOR CLARITY

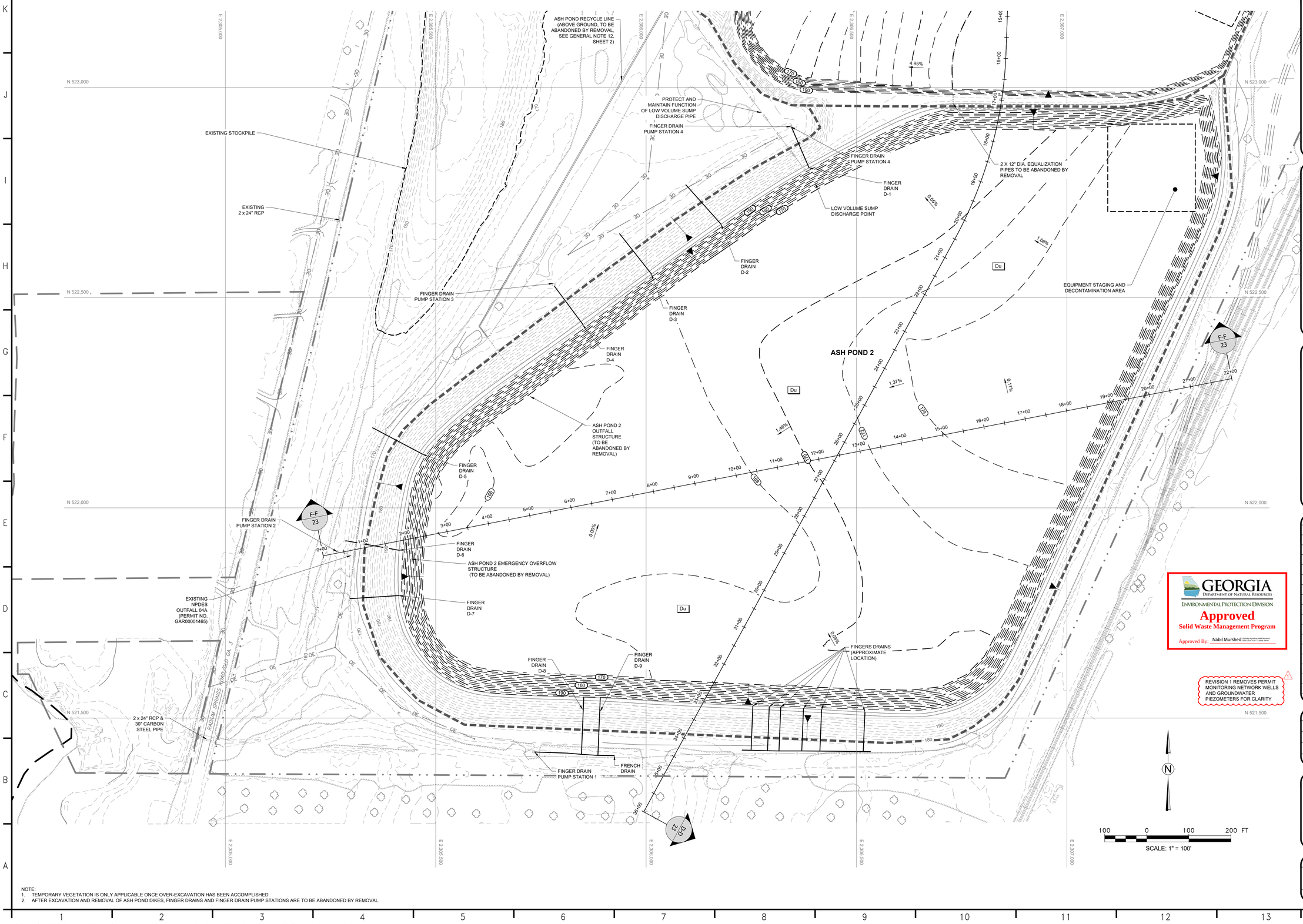
DESIGNED BY:	J. WRONA
DRAWN BY:	A. EZE
CHECKED BY:	K. DALY
APPROVED BY:	K. DALY
DATE:	01/24/2024

SHEET TITLE:

CCR REMOVAL PLAN

SHEET NUMBER:	REV. #
8	1
SHEET 8 OF 25 SHEETS	

1 2 RESPONSE TO EPD COMMENTS



NOTE:
1. TEMPORARY VEGETATION IS ONLY APPLICABLE ONCE OVER-EXCAVATION HAS BEEN ACCOMPLISHED.
2. AFTER EXCAVATION AND REMOVAL OF ASH POND DIKES, FINGER DRAINS AND FINGER DRAIN PUMP STATIONS ARE TO BE ABANDONED BY REMOVAL.

wsp

ENVIRONMENT & INFRASTRUCTURE, INC.
2801 YORKMONT ROAD, SUITE 100
CHARLOTTE, NC 28208
TEL: (704) 357-8600

GA COA#: PEF000213
EXPIRES 06/30/2024

PERMIT DRAWINGS
NOT FOR CONSTRUCTION

GEORGIA REGISTERED NO. PE025805 PROFESSIONAL ENGINEER KENNETH R. DALY

NOT VALID WITHOUT SIGNATURE AND DATE

PROJECT:

Georgia Power

PLANT MITCHELL CCR SURFACE IMPOUNDMENT CLOSURES

ASH PONDS A, 1, AND 2
CLOSURE-BY-REMOVAL
MITCHELL AND DOUGHERTY COUNTIES, GEORGIA

PROJECT NO. 6123-20-1571

REVISIONS			
NO.	DATE	BY	APPROVED
0	04/26/2022	A. EZE	K. DALY
1	01/24/2024	C. BUDSOCK	K. DALY

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Nabil Murshed

1 REVISION 1 REMOVES PERMIT MONITORING NETWORK WELLS AND GROUNDWATER PIEZOMETERS FOR CLARITY

DESIGNED BY:	J. WRONA
DRAWN BY:	A. EZE
CHECKED BY:	K. DALY
APPROVED BY:	K. DALY
DATE:	01/24/2024

SHEET TITLE:

ASH POND 2 CCR REMOVAL PLAN

SHEET NUMBER:	REV. #
9	1
SHEET 9 OF 25 SHEETS	

Q:\GAPower\6123201571 – MIT CCR Permit\8 CCR REMOVAL PLAN.dwg – 9 ASH POND 2 CCR REMOVAL PLAN 01/24/2024 2:40pm USSS718857

FLINT RIVER

ASH POND A

ASH POND 1

DOUGHERTY COUNTY

MITCHELL COUNTY

CONSTRUCTION EXIT

PROPOSED CCR PERMIT BOUNDARY

GPC CONTROL MARKER E-047-13 (SEE SURVEY REQUIREMENTS NOTE 1 AND 2, SHEET 2)

ASH POND 1 EMERGENCY OVERFLOW STRUCTURE (TO BE ABANDONED BY REMOVAL)

ASH POND RECYCLE LINE - BELOW GRADE (APPROXIMATE LOCATION, TO BE ABANDONED BY REMOVAL,SEE GENERAL NOTE 12,SHEET 2)

ASH POND RECYCLE LINE (ABOVE GROUND, TO BE ABANDONED BY REMOVAL, SEE GENERAL NOTE 12, SHEET 2)

ASH POND 1 OUTFALL STRUCTURE (TO BE ABANDONED BY REMOVAL)

2 X 12" DIA. EQUALIZATION PIPES TO BE ABANDONED BY REMOVAL

RADIUM SPRINGS ROAD

24" RCP

PROPOSED HAUL ROAD

GEORGIA AND FLORIDA RAILWAY

PROPOSED RAIL LOADOUT CONTACT WATER BASIN 1

RAIL LOADOUT AREA, INCLUDING CONTACT WATER BASIN 1, ARE TO BE REMOVED AND RESTORED

EQUIPMENT STAGING AND DECONTAMINATION AREA (TYP.)

PROPOSED RAIL LOADOUT PAD ALSO USED FOR EQUIPMENT STAGING AND DECONTAMINATION (APPROXIMATE LOCATION)

REVISION 1 REMOVES PERMIT MONITORING NETWORK WELLS AND GROUNDWATER PIEZOMETERS FOR CLARITY

NOTE:
1. TEMPORARY VEGETATION IS ONLY APPLICABLE ONCE OVER-EXCAVATION HAS BEEN ACCOMPLISHED.

SCALE: 1" = 100'

wsp

ENVIRONMENT & INFRASTRUCTURE, INC.
2801 YORKMONT ROAD, SUITE 100
CHARLOTTE, NC 28208
TEL: (704) 357-8600

GA COA#: PEF000213
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PERMIT DRAWINGS
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GEORGIA REGISTERED NO. PE025605 PROFESSIONAL ENGINEER KENNETH R. DALY

NOT VALID WITHOUT SIGNATURE AND DATE

PROJECT:

Georgia Power

PLANT MITCHELL CCR SURFACE IMPOUNDMENT CLOSURES

ASH PONDS A, 1, AND 2 CLOSURE-BY-REMOVAL MITCHELL AND DOUGHERTY COUNTIES, GEORGIA

PROJECT NO. 6123-20-1571

REVISIONS

NO.	DATE	BY	APPROVED
0	04/26/2022	A. EZE	K. DALY
1	01/24/2024	C. BUDSOCK	K. DALY

DESIGNED BY:	J. WRONA
DRAWN BY:	A. EZE
CHECKED BY:	K. DALY
APPROVED BY:	K. DALY
DATE:	01/24/2024

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Nabil Mursheed Digitally signed by Nabil Mursheed Date: 2024.02.15 13:23:08 -05'00'

SHEET TITLE:

ASH POND 1 CCR REMOVAL PLAN

SHEET NUMBER:	REV. #
10	1
SHEET 10 OF 25 SHEETS	

Q:\GAPower\6123201571 – MIT CCR Permit\8 CCR REMOVAL PLAN.dwg – 10 ASH POND 1 CCR REMOVAL PLAN 01/24/2024 2:40pm USS718857

POWERHOUSE (DEMOLISHED AS OF AUGUST 2019)

24" STORM DRAIN PIPE (TO BE ABANDONED IN-PLACE)

230-KV SWITCHYARD (DEMOLISHED AS OF AUGUST 2019)

EQUIPMENT STAGING AND DECONTAMINATION AREA (TYP.)

POTENTIAL CCR/SOIL TO REMAIN IN PLACE (SEE ASH EXCAVATION NOTE 4, SHEET 2

115-KV SWITCHYARD (TO REMAIN IN PLACE)

ASH POND A

PROPOSED DROP INLET
RIM ELEV. = 174.00

PROPOSED
18-INCH RCP PIPE
INV. IN = 169.20
INV. OUT = 168.00

GPC CONTROL MARKER E-047-7
(SEE SURVEY REQUIREMENTS
NOTE 1 AND 2, SHEET 2)

CONCEPTUAL WASTEWATER TREATMENT FACILITY LOCATION (APPROXIMATE LOCATION)

20" CMP (DEMOLISHED AS OF AUGUST 2019)

WATER/FUEL TANKS (TO BE DEMOLISHED UPON COMPLETION OF ASH REMOVAL)

EXISTING 15-INCH CMP CULVERT

W.S. 187.4

W.S. 190.5

REVISION 1 REMOVES PERMIT MONITORING NETWORK WELLS AND GROUNDWATER PIEZOMETERS FOR CLARITY

NOTE:
1. TEMPORARY VEGETATION IS ONLY APPLICABLE ONCE OVER-EXCAVATION HAS BEEN ACCOMPLISHED.
2. UPDATED AP-A EXCAVATION SURFACE IS BASED ON ADDITIONAL GEOPROBE TESTING DONE ON OCTOBER 7, 2020 TO ASSESS THE TOP AND BOTTOM ELEVATIONS OF CCR WITHIN AP-A.

GEORGIA DEPARTMENT OF NATURAL RESOURCES
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N

50 0 50 100 FT
SCALE: 1" = 50'

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GEORGIA REGISTERED 01/24/2024 NO. PE025805 PROFESSIONAL ENGINEER KENNETH R. DALY

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PROJECT:

Georgia Power

PLANT MITCHELL CCR SURFACE IMPOUNDMENT CLOSURES

ASH PONDS A, 1, AND 2
CLOSURE-BY-REMOVAL
MITCHELL AND DOUGHERTY COUNTIES, GEORGIA

PROJECT NO. 6123-20-1571

REVISIONS

NO.	DATE	BY	APPROVED
0	04/26/2022	A. EZE	K. DALY
1	01/24/2024	C. BUDSOCK	K. DALY

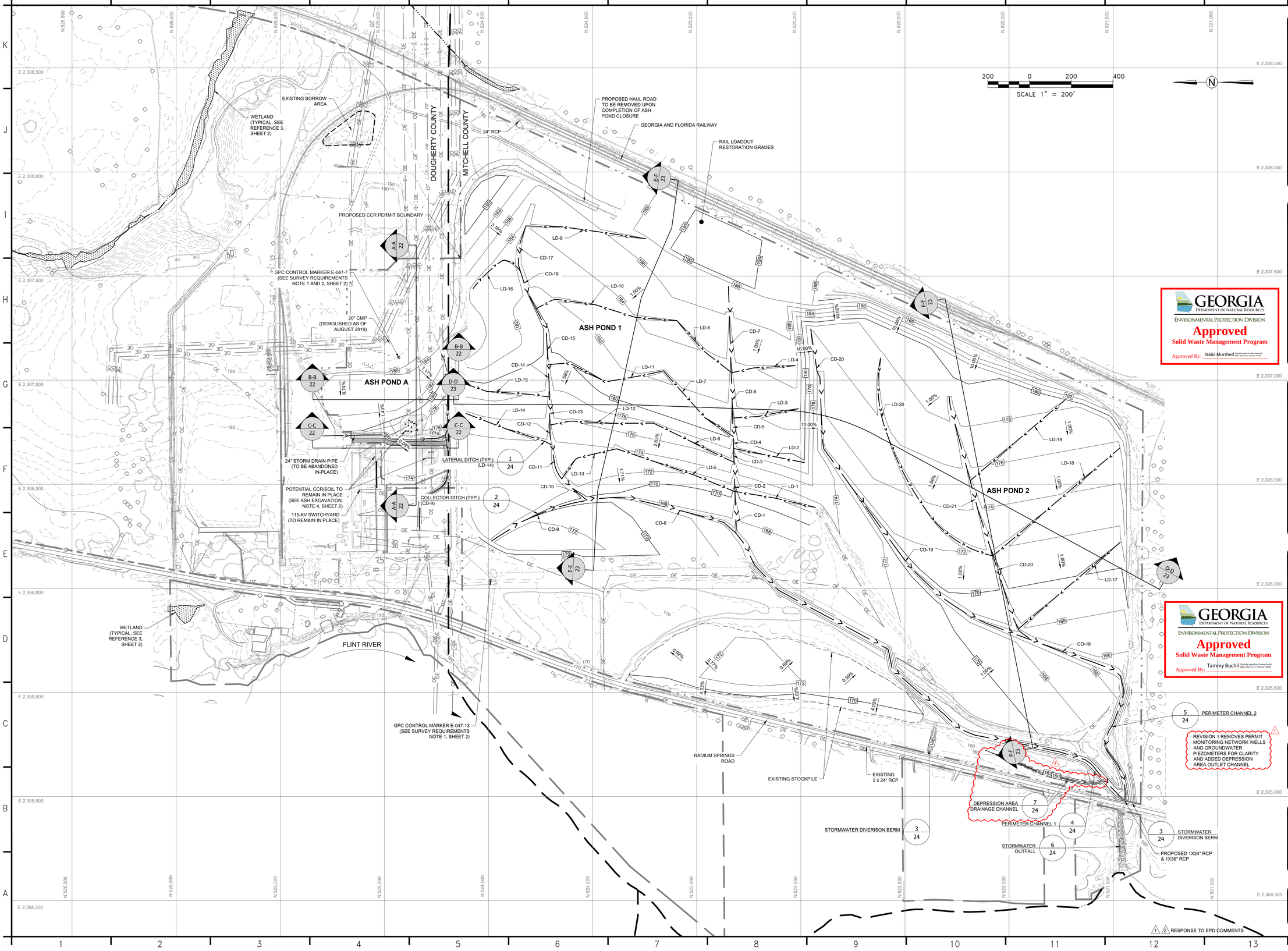
DESIGNED BY:	J. WRONA
DRAWN BY:	A. EZE
CHECKED BY:	K. DALY
APPROVED BY:	K. DALY
DATE:	01/24/2024

SHEET TITLE:

ASH POND A CCR REMOVAL PLAN

SHEET NUMBER:	REV. #
11	1
SHEET 11 OF 25 SHEETS	

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Approved By: Nabil Murshed

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ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Tammy Buchli

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PROJECT:

Georgia Power

PLANT MITCHELL CCR SURFACE IMPOUNDMENT CLOSURES

ASH PONDS A, 1, AND 2
CLOSURE-BY-REMOVAL
MITCHELL AND DOUGHERTY COUNTIES, GEORGIA

PROJECT NO. 6123-20-1571

REVISIONS

NO.	DATE	BY	APPROVED
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1	01/24/2024	C. BUDSOCK	K. DALY

DESIGNED BY:	J. WRONA
DRAWN BY:	A. EZE
CHECKED BY:	K. DALY
APPROVED BY:	K. DALY
DATE:	01/24/2024

SHEET TITLE:

RESTORATION GRADING PLAN

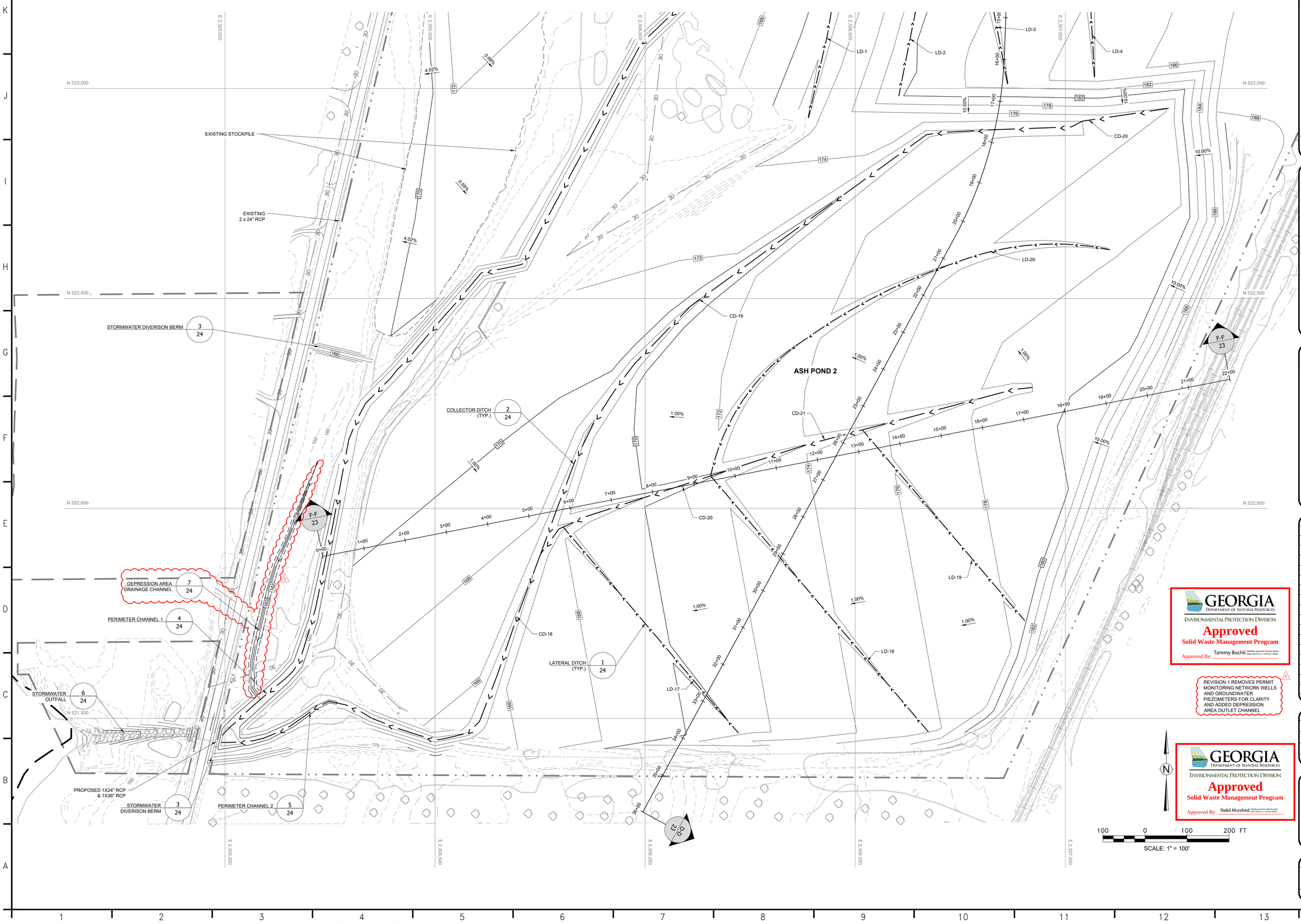
SHEET NUMBER:	REV. #
12	1

SHEET 12 OF 25 SHEETS

1 2 RESPONSE TO EPD COMMENTS

REVISION 1 REMOVES PERMIT MONITORING NETWORK WELLS AND GROUNDWATER PIEZOMETERS FOR CLARITY AND ADDED DEPRESSION AREA OUTLET CHANNEL

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PROJECT:

Georgia Power

PLANT MITCHELL CCR SURFACE IMPOUNDMENT CLOSURES

ASH PONDS A, 1, AND 2
CLOSURE-BY-REMOVAL
MITCHELL AND DOUGHERTY COUNTIES, GEORGIA

PROJECT NO. 6123-20-1571

REVISIONS			
NO.	DATE	BY	APPROVED
0	04/26/2022	A. EZE	K. DALY
1	01/24/2024	C. BUDSOCK	K. DALY

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Tammy Buchli Digitally signed by Tammy Buchli Date: 2024.02.21 10:45:52 -04'00'

1 REVISION 1 REMOVES PERMIT MONITORING NETWORK WELLS AND GROUNDWATER PIEZOMETERS FOR CLARITY AND ADDED DEPRESSION AREA OUTLET CHANNEL

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Nabil Murshed Digitally signed by Nabil Murshed Date: 2024.02.21 13:09:56 -04'00'

DESIGNED BY:	J. WRONA
DRAWN BY:	A. EZE
CHECKED BY:	K. DALY
APPROVED BY:	K. DALY
DATE:	01/24/2024

SHEET TITLE:

ASH POND 2
RESTORATION
GRADING PLAN

SHEET NUMBER:	REV. #
13	1

SHEET 13 OF 25 SHEETS



100 0 100 200 FT

SCALE: 1" = 100'

wsp

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PROJECT:

Georgia Power

PLANT MITCHELL CCR SURFACE IMPOUNDMENT CLOSURES

ASH PONDS A, 1, AND 2
CLOSURE-BY-REMOVAL
MITCHELL AND DOUGHERTY COUNTIES, GEORGIA

PROJECT NO. 6123-20-1571

REVISIONS			
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1	01/24/2024	C. BUDSOCK	K. DALY

REVISION 1 REMOVES PERMIT MONITORING NETWORK WELLS AND GROUNDWATER PIEZOMETERS FOR CLARITY

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Nabil Murshed

DESIGNED BY:	J. WRONA
DRAWN BY:	A. EZE
CHECKED BY:	K. DALY
APPROVED BY:	K. DALY
DATE:	01/24/2024

SHEET TITLE:

ASH POND 1
RESTORATION
GRADING PLAN

SHEET NUMBER:	REV. #
14	1
SHEET 14 OF 25 SHEETS	

ASH POND A

POTENTIAL CCR/SOIL TO REMAIN IN PLACE (SEE ASH EXCAVATION, NOTE 4, SHEET 2)

115-KV SWITCHYARD (TO REMAIN IN PLACE)

ROAD RESTORATION

PERMANENT DIVERSION CHANNEL P-DIV-1

PROPOSED DROP INLET RIM ELEV. = 174.00

PROPOSED 18-INCH RCP PIPE INV. IN = 169.20 INV. OUT = 168.00

DROP INLET (CONNECTION TO EXISTING STORM DRAIN NETWORK)

PERMANENT DIVERSION CHANNEL P-DIV-3

PROPOSED CULV-2 30-INCH RCP INV. IN = 170.00 INV. OUT = 170.50

PERMANENT DIVERSION CHANNEL P-DIV-2

GPC CONTROL MARKER E-047-7 (SEE SURVEY REQUIREMENTS NOTE 1 AND 2, SHEET 2)

EXISTING 15-INCH CMP CULVERT

PROPOSED CCR PERMIT BOUNDARY

W.S. 187.4

W.S. 190.5

0.74%

1.43%

0.09%

1.17%

REVISION 1 REMOVES PERMIT MONITORING NETWORK WELLS AND GROUNDWATER PIEZOMETERS FOR CLARITY

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ENVIRONMENTAL PROTECTION DIVISION
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SCALE: 1" = 50'

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PROJECT:

Georgia Power

PLANT MITCHELL CCR SURFACE IMPOUNDMENT CLOSURES

ASH PONDS A, 1, AND 2 CLOSURE-BY-REMOVAL
MITCHELL AND DOUGHERTY COUNTIES, GEORGIA

PROJECT NO. 6123-20-1571

REVISIONS			
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DESIGNED BY:	J. WRONA
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DATE:	01/24/2024

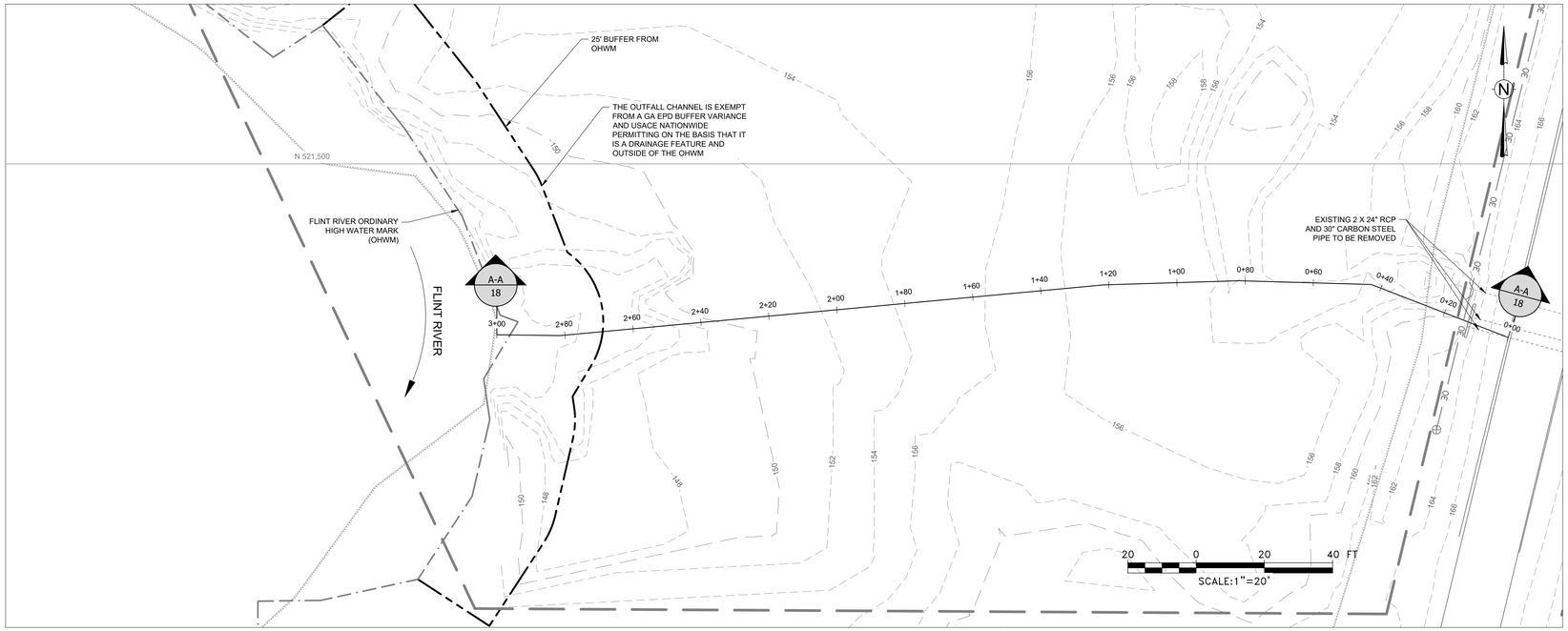
SHEET TITLE:

ASH POND A RESTORATION GRADING PLAN

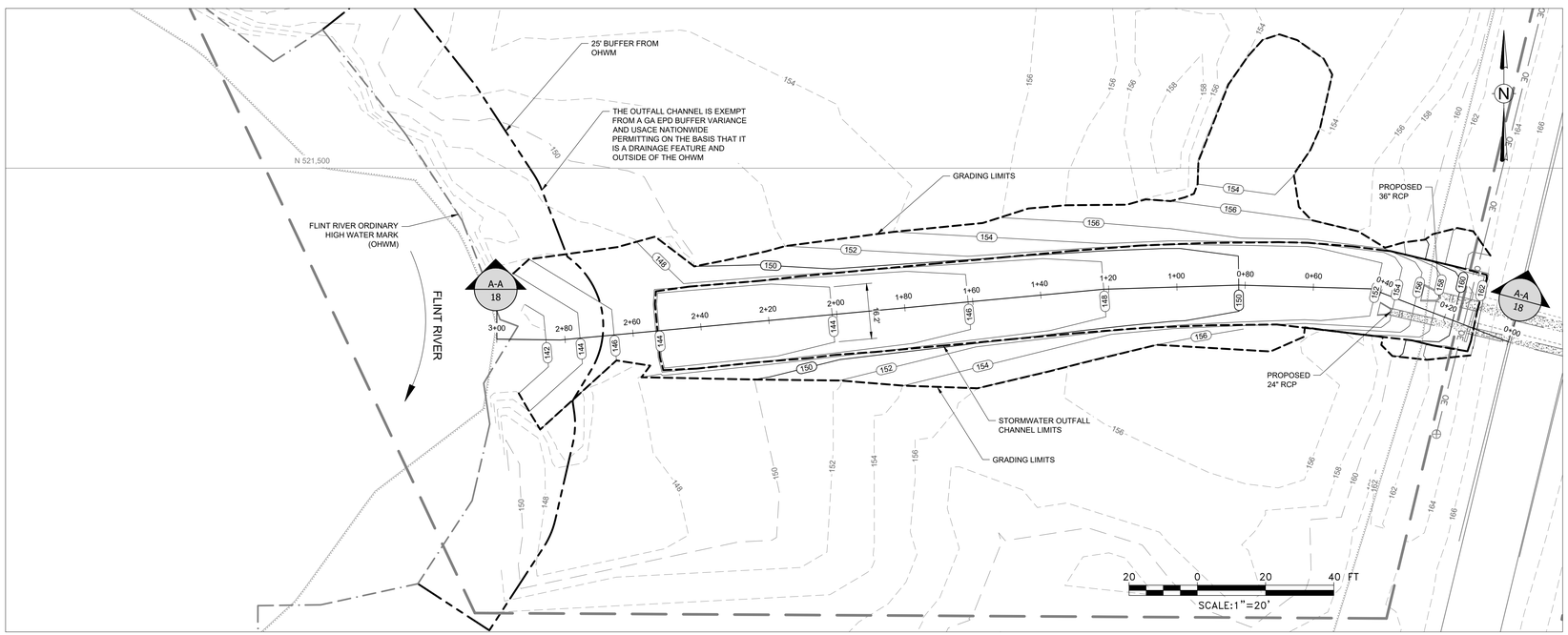
SHEET NUMBER:	REV. #
15	1
SHEET 15 OF 25 SHEETS	

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STORMWATER OUTFALL - EXISTING CONDITIONS



STORMWATER OUTFALL - PROPOSED SUBGRADE



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PROJECT:

Georgia Power

PLANT MITCHELL CCR SURFACE IMPOUNDMENT CLOSURES

ASH PONDS A, 1, AND 2
CLOSURE-BY-REMOVAL
MITCHELL AND DOUGHERTY COUNTIES, GEORGIA

PROJECT NO. 6123-20-1571

REVISIONS

NO.	DATE	BY	APPROVED
0	04/26/2022	A. EZE	K. DALY
1	01/24/2024	C. BUDSOCK	K. DALY

1 REVISION 1 REMOVES GROUNDWATER PIEZOMETERS FOR CLARITY

DESIGNED BY:	J. WRONA
DRAWN BY:	A. EZE
CHECKED BY:	K. DALY
APPROVED BY:	K. DALY
DATE:	01/24/2024

SHEET TITLE:

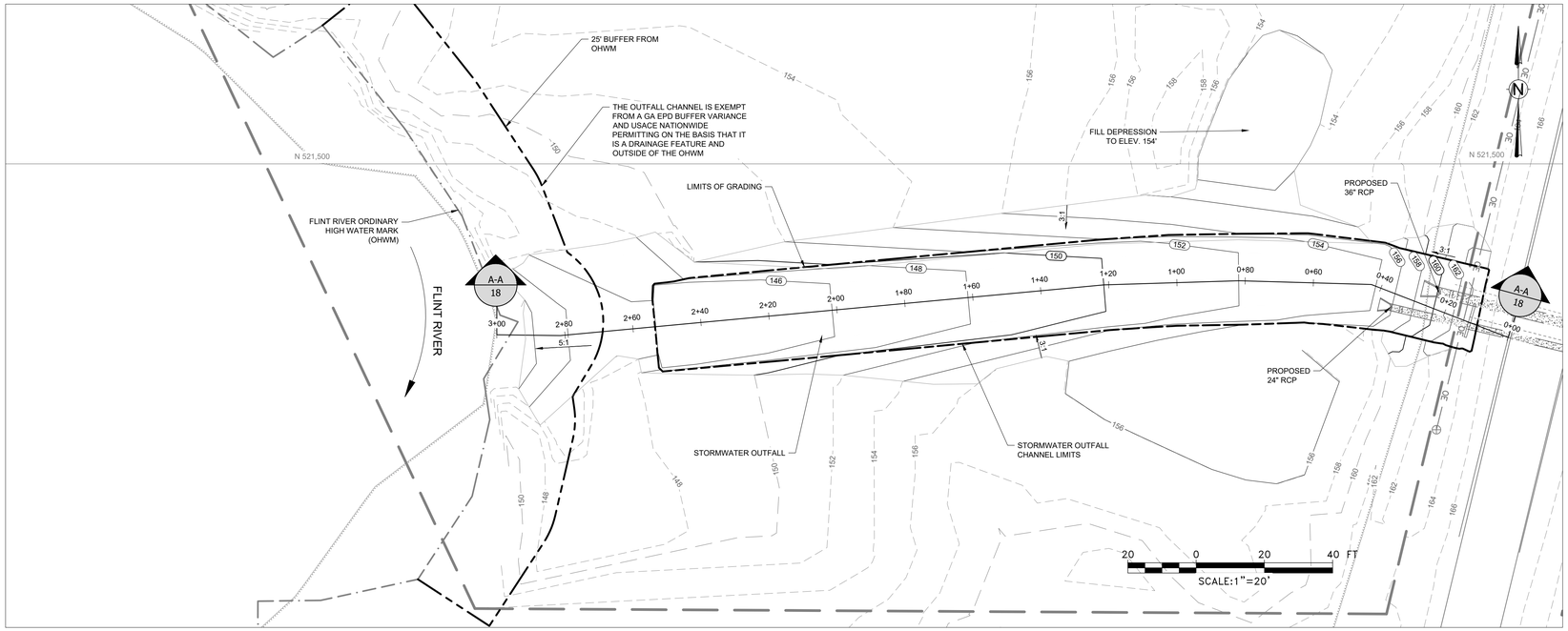
STORMWATER OUTFALL CHANNEL PLANS 1

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Solid Waste Management Program
Approved By: Nabil Murshed

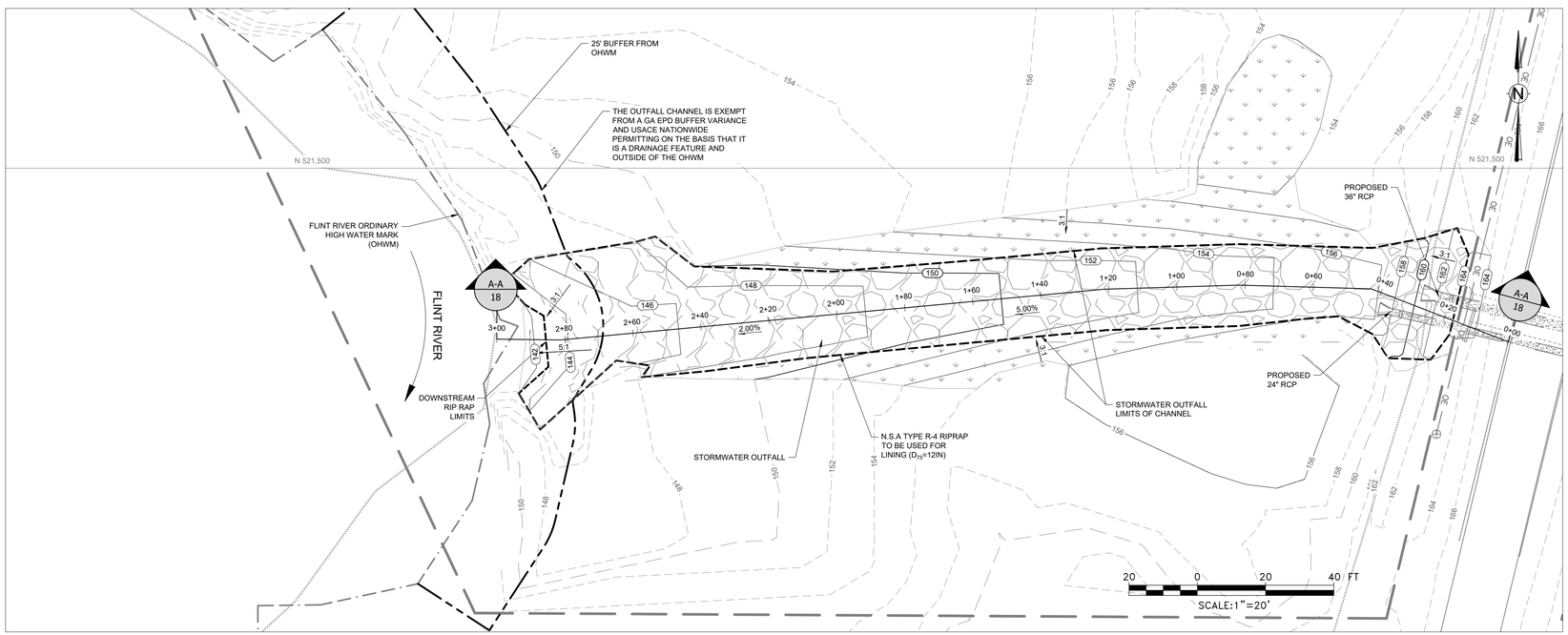
SHEET NUMBER:	REV. #
16	1

SHEET 16 OF 25 SHEETS

STORMWATER OUTFALL - PROPOSED TOP OF COMPACTED FILL



STORMWATER OUTFALL - PROPOSED TOP OF RIPRAP



REVISION 1 REMOVES GROUNDWATER PIEZOMETERS FOR CLARITY

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PROJECT:

Georgia Power

PLANT MITCHELL CCR SURFACE IMPOUNDMENT CLOSURES

ASH PONDS A, 1, AND 2
CLOSURE-BY-REMOVAL
MITCHELL AND DOUGHERTY COUNTIES, GEORGIA

PROJECT NO. 6123-20-1571

REVISIONS

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1	01/24/2024	C. BUDSOCK	K. DALY

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CHECKED BY:	K. DALY
APPROVED BY:	K. DALY
DATE:	01/24/2024

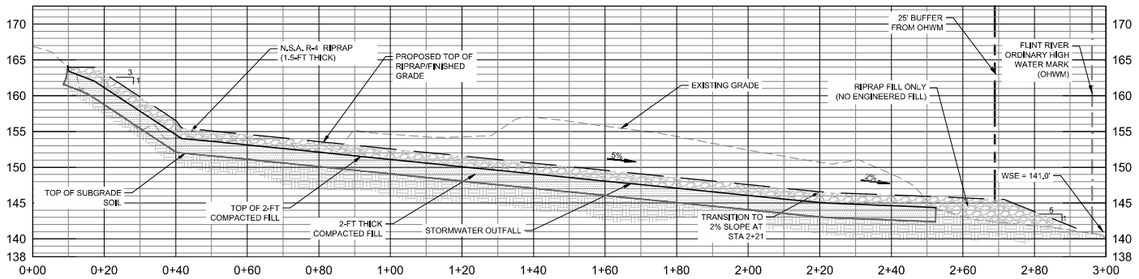
SHEET TITLE:

STORMWATER OUTFALL CHANNEL PLANS 2

SHEET NUMBER:	REV. #
17	1

SHEET 17 OF 25 SHEETS

PROFILE A-A



A-A / 18 PROFILE: PROPOSED STORMWATER OUTFALL CHANNEL

20 FT 10 0 10

SCALE:1"=10'

20 0 20 40 FT

SCALE:1"=20'

wood.

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ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens

GEORGIA REGISTERED 4/26/2022 NO. PE000213 PROFESSIONAL ENGINEER KENNETH R. DALY

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PROJECT:

Georgia Power

PLANT MITCHELL CCR SURFACE IMPOUNDMENT CLOSURES

ASH PONDS A, 1, AND 2
CLOSURE-BY-REMOVAL
MITCHELL AND DOUGHERTY COUNTIES, GEORGIA

PROJECT NO. 6123-20-1571

REVISIONS			
NO.	DATE	BY	APPROVED
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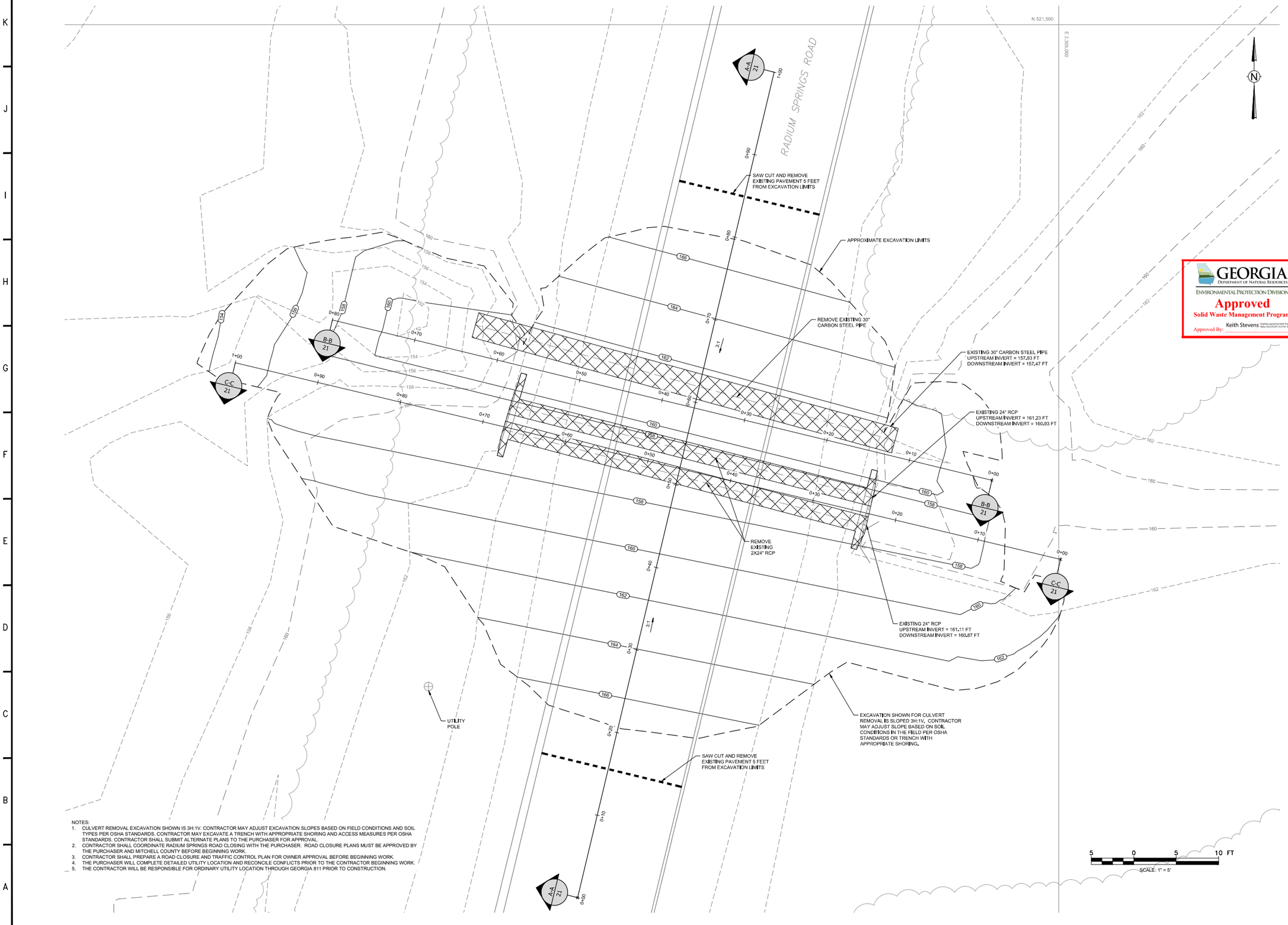
DESIGNED BY:	J. WRONA
DRAWN BY:	A. EZE
CHECKED BY:	K. DALY
APPROVED BY:	K. DALY
DATE:	04/26/2022

SHEET TITLE:

STORMWATER OUTFALL PROFILE

SHEET NUMBER:	REV. #
18	0

SHEET 18 OF 25 SHEETS



NOTES:
1. CULVERT REMOVAL EXCAVATION SHOWN IS 3H:1V. CONTRACTOR MAY ADJUST EXCAVATION SLOPES BASED ON FIELD CONDITIONS AND SOIL TYPES PER OSHA STANDARDS. CONTRACTOR MAY EXCAVATE A TRENCH WITH APPROPRIATE SHORING AND ACCESS MEASURES PER OSHA STANDARDS. CONTRACTOR SHALL SUBMIT ALTERNATE PLANS TO THE PURCHASER FOR APPROVAL.
2. CONTRACTOR SHALL COORDINATE RADIUM SPRINGS ROAD CLOSING WITH THE PURCHASER. ROAD CLOSURE PLANS MUST BE APPROVED BY THE PURCHASER AND MITCHELL COUNTY BEFORE BEGINNING WORK.
3. CONTRACTOR SHALL PREPARE A ROAD CLOSURE AND TRAFFIC CONTROL PLAN FOR OWNER APPROVAL BEFORE BEGINNING WORK.
4. THE PURCHASER WILL COMPLETE DETAILED UTILITY LOCATION AND RECONCILE CONFLICTS PRIOR TO THE CONTRACTOR BEGINNING WORK.
5. THE CONTRACTOR WILL BE RESPONSIBLE FOR ORDINARY UTILITY LOCATION THROUGH GEORGIA 811 PRIOR TO CONSTRUCTION.

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
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Approved By: Keith Stevens

wood.
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GEORGIA REGISTERED 4/26/2022 NO. PE026886 PROFESSIONAL ENGINEER KENNETH R. DALY

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PROJECT:

Georgia Power

PLANT MITCHELL CCR SURFACE IMPOUNDMENT CLOSURES

ASH PONDS A, 1, AND 2
CLOSURE-BY-REMOVAL
MITCHELL AND DOUGHERTY COUNTIES, GEORGIA

PROJECT NO. 6123-20-1571

REVISIONS

NO.	DATE	BY	APPROVED
0	04/26/2022	A. EZE	K. DALY

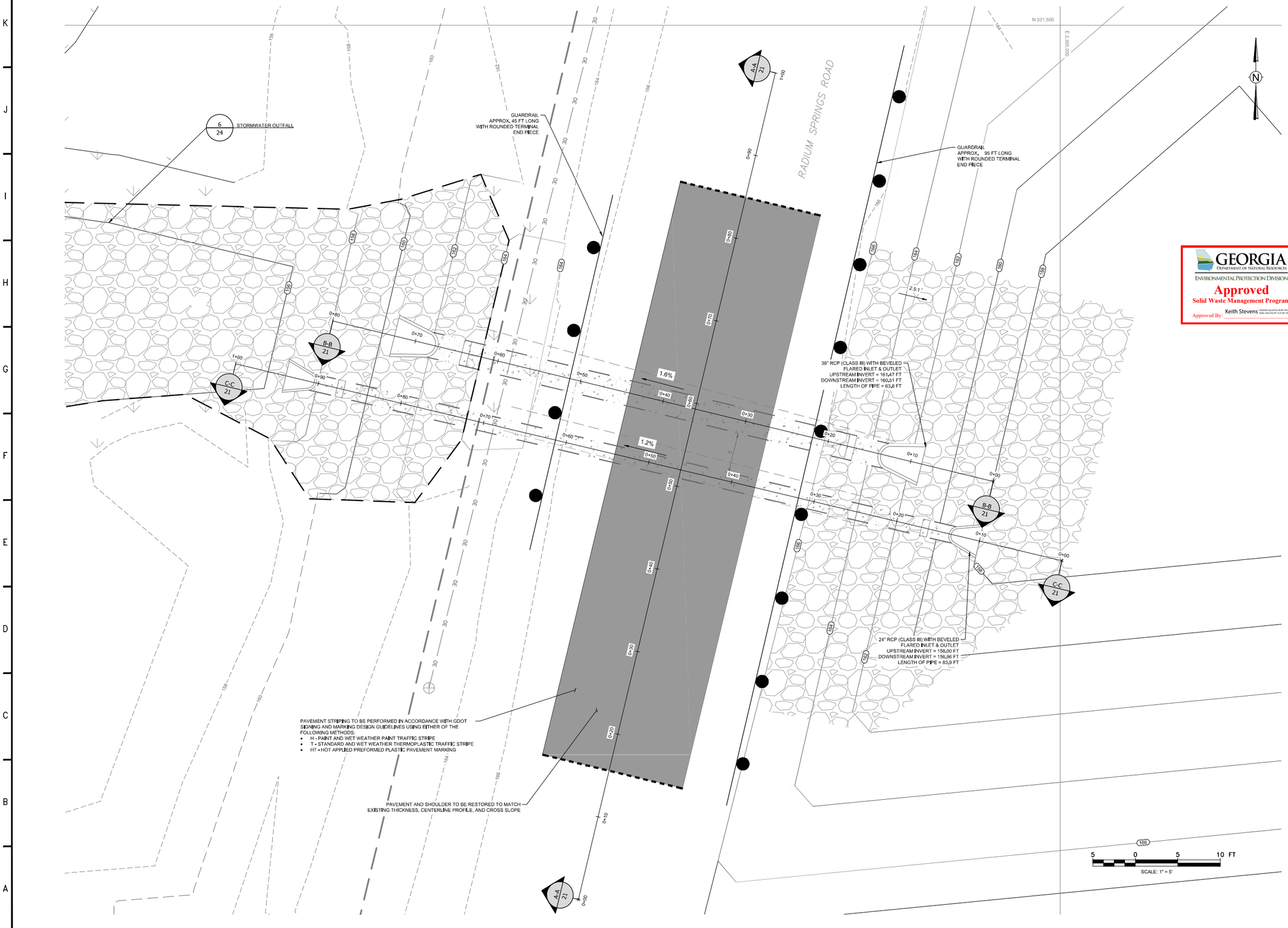
DESIGNED BY:	J. WRONA
DRAWN BY:	A. EZE
CHECKED BY:	K. DALY
APPROVED BY:	K. DALY
DATE:	04/26/2022

SHEET TITLE:

CULVERT DEMOLITION PLAN

SHEET NUMBER:	REV. #
19	0

SHEET 19 OF 25 SHEETS



GEORGIA
DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
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Approved By: Keith Stevens

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GEORGIA REGISTERED 4/26/2022 NO. PE035890 PROFESSIONAL ENGINEER KENNETH R. DALY

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PROJECT:

Georgia Power

PLANT MITCHELL CCR SURFACE IMPOUNDMENT CLOSURES

ASH PONDS A, 1, AND 2
CLOSURE-BY-REMOVAL
MITCHELL AND DOUGHERTY COUNTIES, GEORGIA

PROJECT NO. 6123-20-1571

REVISIONS

NO.	DATE	BY	APPROVED
0	04/26/2022	A. EZE	K. DALY

DESIGNED BY:	J. WRONA
DRAWN BY:	A. EZE
CHECKED BY:	K. DALY
APPROVED BY:	K. DALY
DATE:	04/26/2022

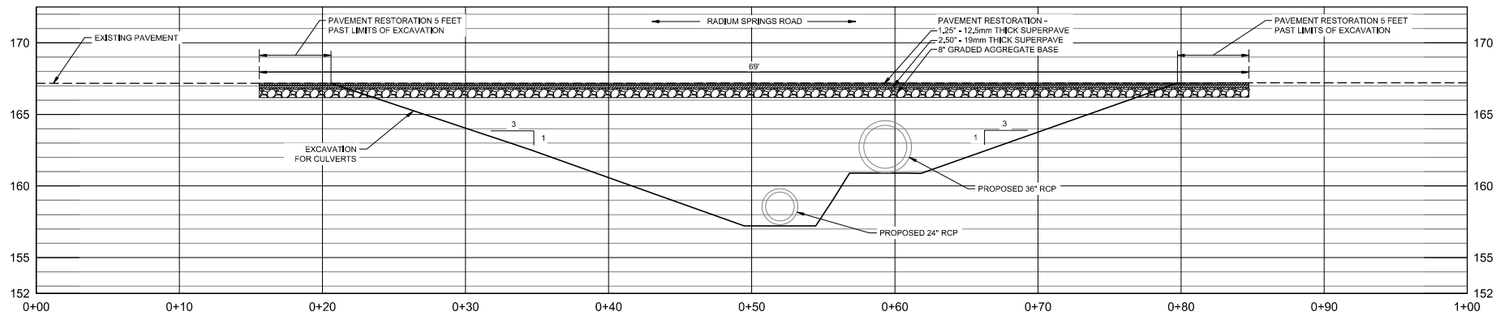
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CULVERT PLAN

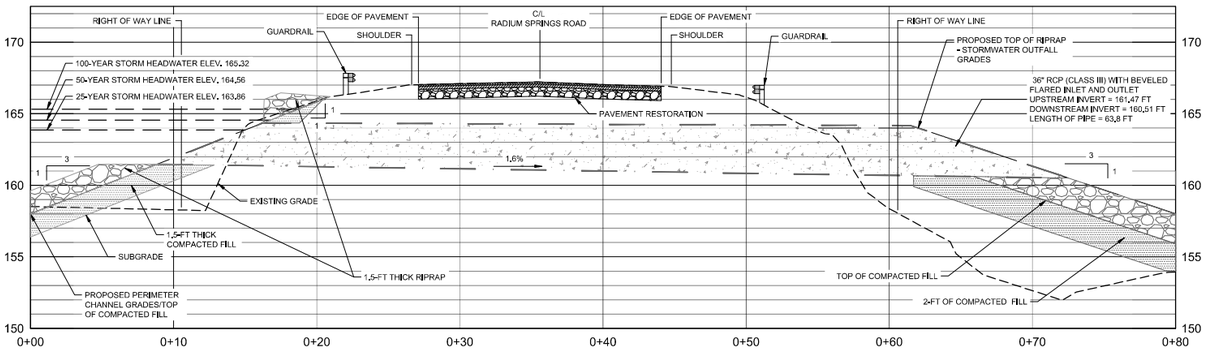
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20	0

SHEET 20 OF 25 SHEETS

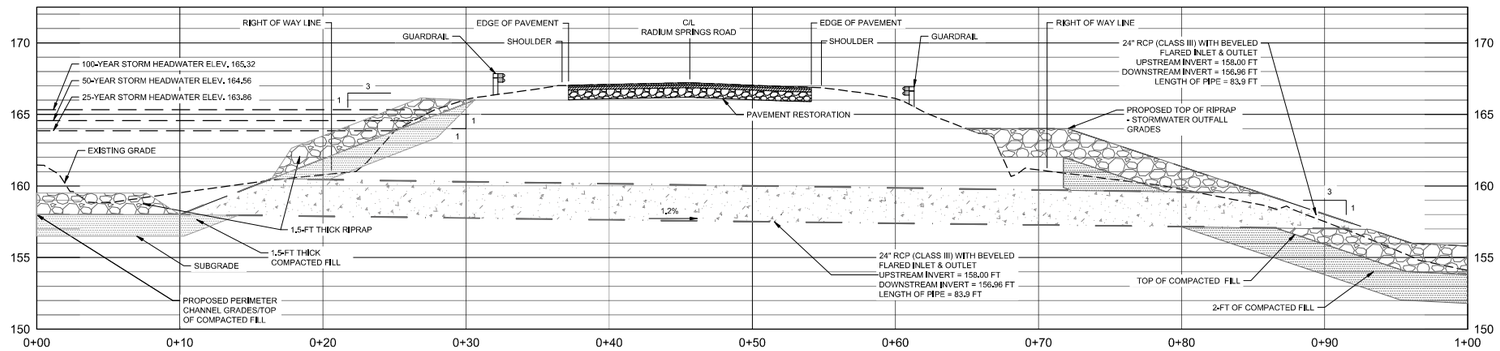
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A-A
21
RADIUM SPRINGS ROAD CULVERT EXCAVATION / PAVEMENT RESTORATION



B-B
21
36" RCP CENTERLINE ALIGNMENT



C-C
21
24" RCP CENTERLINE ALIGNMENT

NOTES:
1. CULVERT REMOVAL EXCAVATION SHOWN IS 3H:1V. CONTRACTOR MAY ADJUST EXCAVATION SLOPES BASED ON FIELD CONDITIONS AND SOIL TYPES PER OSHA STANDARDS. CONTRACTOR MAY EXCAVATE A TRENCH WITH APPROPRIATE SHORING AND ACCESS MEASURES PER OSHA STANDARDS. CONTRACTOR SHALL SUBMIT ALTERNATE PLANS TO THE PURCHASER FOR APPROVAL.
2. THE PURCHASER WILL COMPLETE DETAILED UTILITY LOCATION AND RECONCILE CONFLICTS PRIOR TO THE CONTRACTOR BEGINNING WORK.
3. THE CONTRACTOR WILL BE RESPONSIBLE FOR ORDINARY UTILITY LOCATION THROUGH GEORGIA 811 PRIOR TO CONSTRUCTION.

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens

wood.
ENVIRONMENT & INFRASTRUCTURE SOLUTIONS
2801 YORKMONT ROAD, SUITE 100
CHARLOTTE, NC 28208
TEL: (704) 357-8600

GA COA#: PEF000213
EXPIRES 06/30/2022

PERMIT DRAWINGS
NOT FOR CONSTRUCTION

GEORGIA REGISTERED 4/26/2022 NO. PE035890 PROFESSIONAL ENGINEER KENNETH R. DALY

NOT VALID WITHOUT SIGNATURE AND DATE

PROJECT:
Georgia Power

PLANT MITCHELL CCR SURFACE IMPOUNDMENT CLOSURES

ASH PONDS A, 1, AND 2
CLOSURE-BY-REMOVAL
MITCHELL AND DOUGHERTY COUNTIES, GEORGIA

PROJECT NO. 6123-20-1571

REVISIONS			
NO.	DATE	BY	APPROVED
0	04/26/2022	A. EZE	K. DALY

DESIGNED BY:	J. WRONA
DRAWN BY:	A. EZE
CHECKED BY:	K. DALY
APPROVED BY:	K. DALY
DATE:	04/26/2022

SHEET TITLE:
CULVERT PROFILE

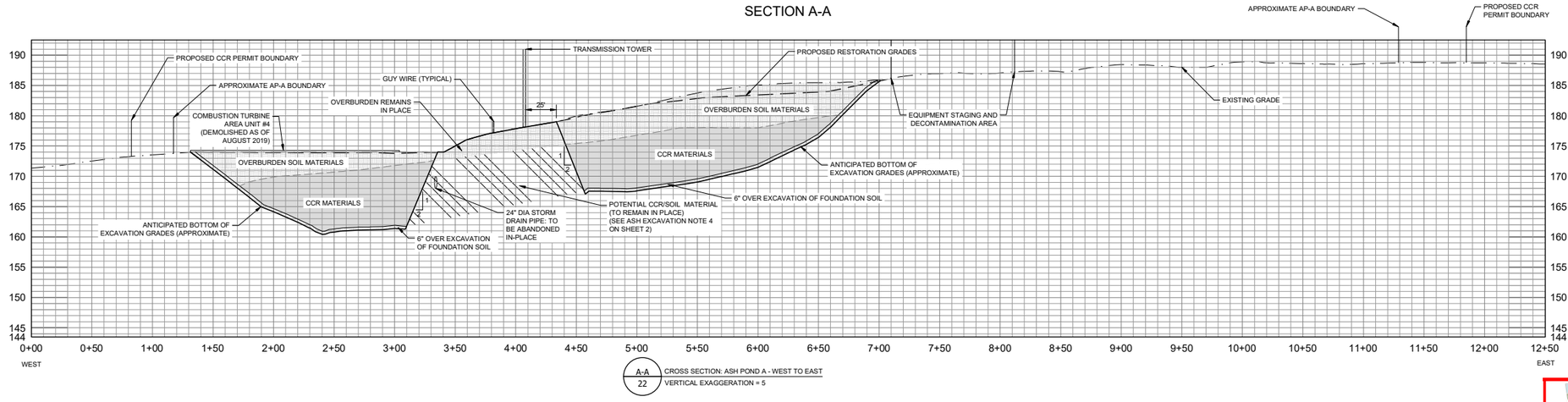
SHEET NUMBER:	REV. #
21	0
SHEET 21 OF 25 SHEETS	

10 FT
5
0
5
10

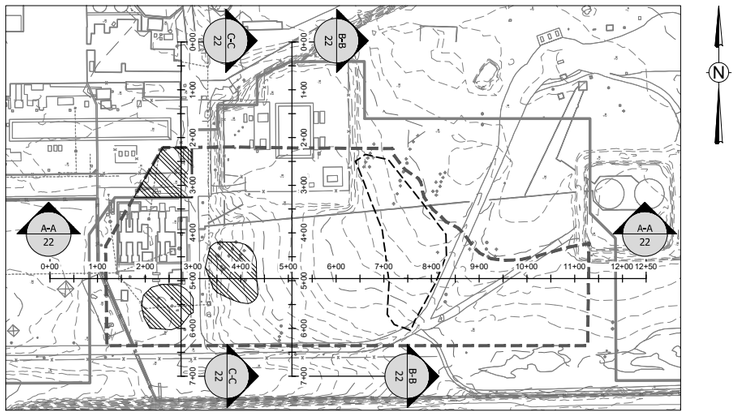
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SECTION A-A



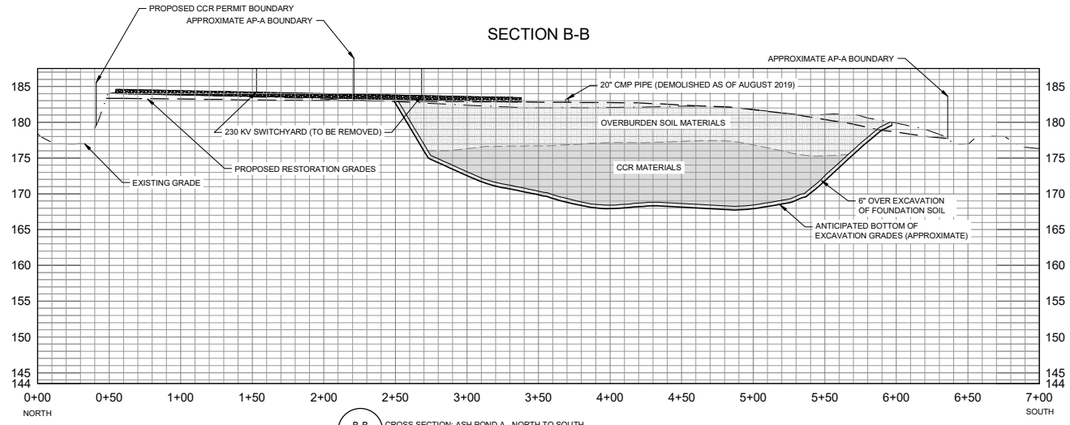
A-A / 22 — CROSS SECTION: ASH POND A - WEST TO EAST
VERTICAL EXAGGERATION = 5



CROSS SECTION KEY MAP

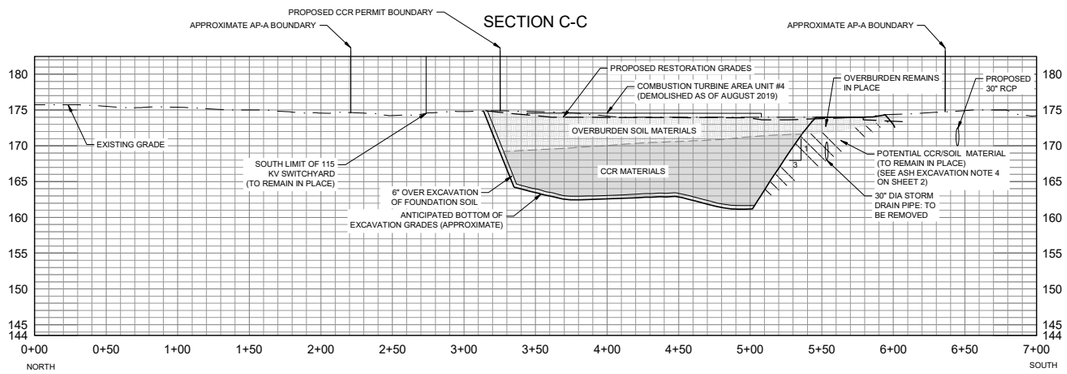
150 0 150 300 FT

SECTION B-B



B-B / 22 — CROSS SECTION: ASH POND A - NORTH TO SOUTH
VERTICAL EXAGGERATION = 5

SECTION C-C



C-C / 22 — CROSS SECTION: ASH POND A - NORTH TO SOUTH
VERTICAL EXAGGERATION = 5

20 FT 10 0 10

50 0 50 100 FT

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Keith Stevens Digitally signed by Keith Stevens Date: 2022.05.09 13:27:46 -04'00'

wood.
ENVIRONMENT & INFRASTRUCTURE SOLUTIONS
2801 YORKMONT ROAD, SUITE 100
CHARLOTTE, NC 28208
TEL: (704) 357-8600
GA COA#: PEF000213
EXPIRES 06/30/2022

PERMIT DRAWINGS
NOT FOR CONSTRUCTION

GEORGIA REGISTERED 4/26/2022 NO. PE025896 PROFESSIONAL ENGINEER KENNETH R. DALY

NOT VALID WITHOUT SIGNATURE AND DATE

PROJECT:

Georgia Power

PLANT MITCHELL CCR SURFACE IMPOUNDMENT CLOSURES

ASH PONDS A, 1, AND 2
CLOSURE-BY-REMOVAL
MITCHELL AND DOUGHERTY COUNTIES, GEORGIA

PROJECT NO. 6123-20-1571

REVISIONS			
NO.	DATE	BY	APPROVED
0	04/26/2022	A. EZE	K. DALY

DESIGNED BY:	J. WRONA
DRAWN BY:	A. EZE
CHECKED BY:	K. DALY
APPROVED BY:	K. DALY
DATE:	04/26/2022

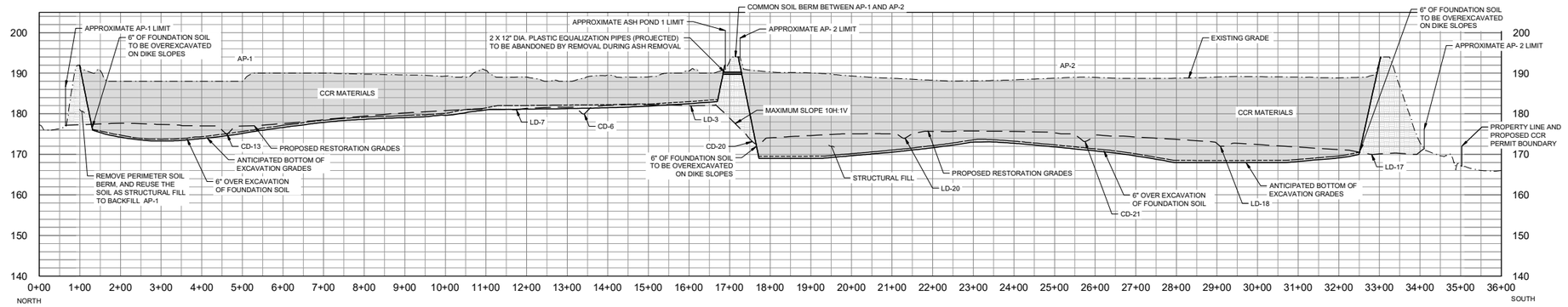
SHEET TITLE:

ASH POND A PROFILES

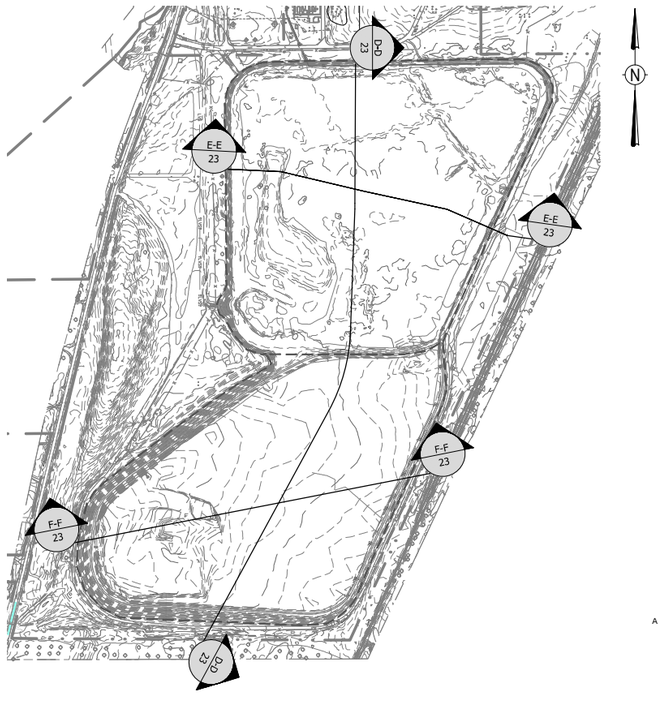
SHEET NUMBER:	REV. #
22	0
SHEET 22 OF 25 SHEETS	

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SECTION D-D



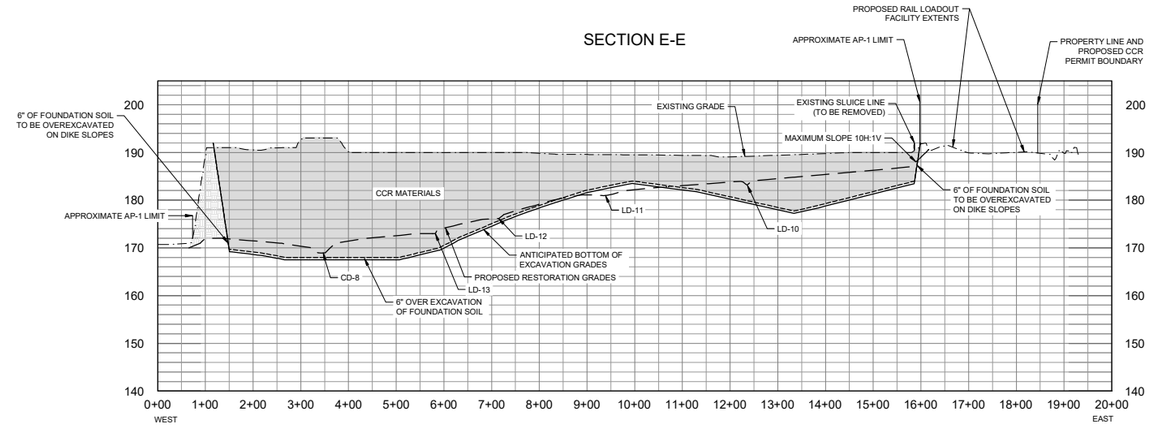
D-D / 23 CROSS SECTION: AP-1 AND AP-2 - NORTH TO SOUTH
VERTICAL EXAGGERATION = 10



CROSS SECTION KEY MAP

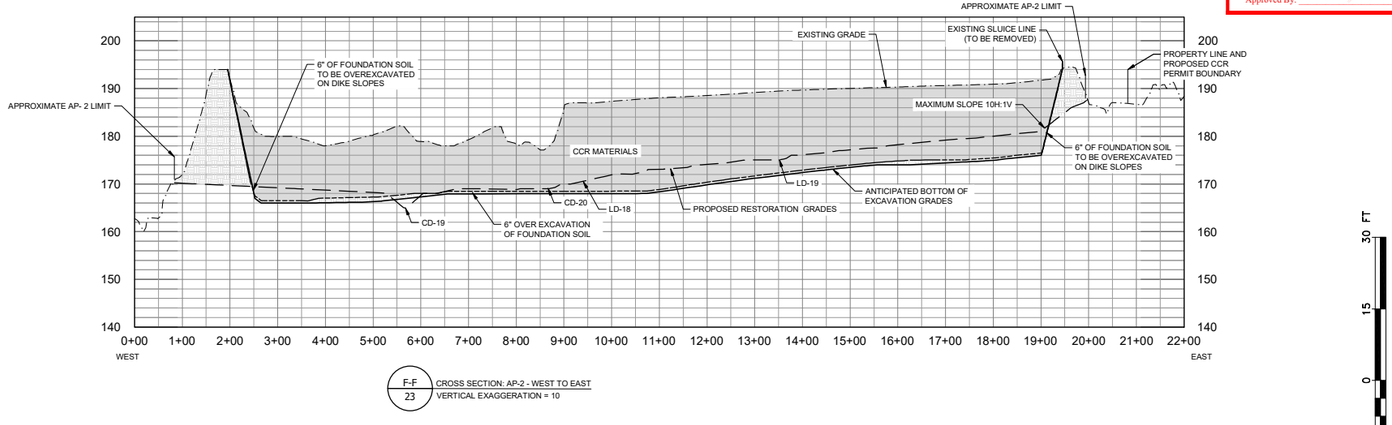
400 0 400 800 FT

SECTION E-E



E-E / 23 CROSS SECTION: AP-1 - WEST TO EAST
VERTICAL EXAGGERATION = 10

SECTION F-F



F-F / 23 CROSS SECTION: AP-2 - WEST TO EAST
VERTICAL EXAGGERATION = 10

30 FT 15 0 15

150 0 150 300 FT

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
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wood.
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2801 YORKMONT ROAD, SUITE 100
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GA COA#: PEF000213
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PERMIT DRAWINGS
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GEORGIA REGISTERED 4/26/2022 NO. PE000890 PROFESSIONAL ENGINEER KENNETH R. DALY

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PROJECT:
Georgia Power
PLANT MITCHELL CCR SURFACE IMPOUNDMENT CLOSURES

ASH PONDS A, 1, AND 2
CLOSURE-BY-REMOVAL
MITCHELL AND DOUGHERTY COUNTIES, GEORGIA

PROJECT NO. 6123-20-1571

REVISIONS

NO.	DATE	BY	APPROVED
0	04/26/2022	A. EZE	K. DALY

DESIGNED BY:	J. WRONA
DRAWN BY:	A. EZE
CHECKED BY:	K. DALY
APPROVED BY:	K. DALY
DATE:	04/26/2022

SHEET TITLE:
ASH POND 1 AND 2 PROFILES

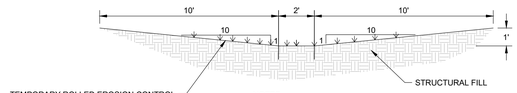
SHEET NUMBER:	REV. #
23	0
SHEET 23 OF 25 SHEETS	

Table 1: Lateral Ditch Dimensions

Channel ID	Channel Type	Bottom Width {b} (ft)	Depth {D} (ft)	Left Side Slope {Z_1H:V}	Right Side Slope {Z_2H:V}	Top Width {T} (ft)	Length {L} (ft)	Longitudinal Slope {S} (ft/ft)
LD-1	Lateral	2	1	10	10	22	391	0.0051
LD-2	Lateral	2	1	10	10	22	329	0.0061
LD-3	Lateral	2	1	10	10	22	313	0.0064
LD-4	Lateral	2	1	10	10	22	310	0.0065
LD-5	Lateral	2	1	10	10	22	396	0.0051
LD-6	Lateral	2	1	10	10	22	419	0.0060
LD-7	Lateral	2	1	10	10	22	354	0.0056
LD-8	Lateral	2	1	10	10	22	346	0.0058
LD-9	Lateral	2	1	10	10	22	549	0.0066
LD-10	Lateral	2	1	10	10	22	699	0.0059
LD-11	Lateral	2	1	10	10	22	567	0.0071
LD-12	Lateral	2	1	10	10	22	505	0.0063
LD-13	Lateral	2	1	10	10	22	311	0.0064
LD-14	Lateral	2	1	10	10	22	438	0.0068
LD-15	Lateral	2	1	10	10	22	295	0.0071
LD-16	Lateral	2	1	10	10	22	280	0.0075
LD-17	Lateral	2	1	10	10	22	643	0.0065
LD-18	Lateral	2	1	10	10	22	622	0.0064
LD-19	Lateral	2	1	10	10	22	471	0.0085
LD-20	Lateral	2	1	10	10	22	1178	0.0051

Table 2: Collector Ditch Dimensions

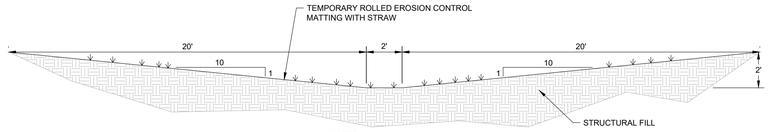
Channel ID	Channel Type	Bottom Width {b} (ft)	Depth {D} (ft)	Left Side Slope {Z_1H:V}	Right Side Slope {Z_2H:V}	Top Width {T} (ft)	Length {L} (ft)	Longitudinal Slope {S} (ft/ft)
CD-1	Collector	2	2	10	10	42	157	0.0064
CD-2	Collector	2	2	10	10	42	202	0.0198
CD-3	Collector	2	2	10	10	42	142	0.0352
CD-4	Collector	2	2	10	10	42	66	0.0303
CD-5	Collector	2	2	10	10	42	58	0.0345
CD-6	Collector	2	2	10	10	42	89	0.0169
CD-7	Collector	2	2	10	10	42	238	0.0126
CD-8	Collector	2	2	10	10	42	758	0.0053
CD-9	Collector	2	2	10	10	42	502	0.0060
CD-10	Collector	2	2	10	10	42	158	0.0127
CD-11	Collector	2	2	10	10	42	173	0.0058
CD-12	Collector	2	2	10	10	42	96	0.0188
CD-13	Collector	2	2	10	10	42	135	0.0156
CD-14	Collector	2	2	10	10	42	156	0.0135
CD-15	Collector	2	2	10	10	42	280	0.0068
CD-16	Collector	2	2	10	10	42	194	0.0052
CD-17	Collector	2	2	10	10	42	226	0.0066
CD-18	Collector	2	2	10	10	42	553	0.0063
CD-19	Collector	2	2	10	10	42	1741	0.0046
CD-20	Collector	2	2	10	10	42	372	0.0108
CD-21	Collector	2	2	10	10	42	378	0.0103



NOTES:

1. LATERAL DITCH DETAILS IDENTIFIED IN TABLE 1.

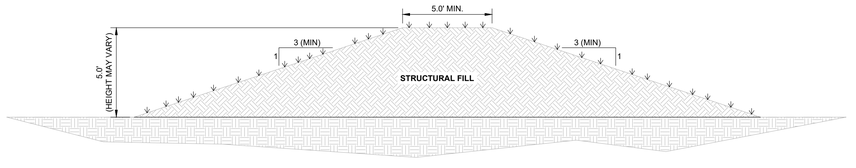
1/24 LATERAL DITCH (TYP.)
SCALE: 1" = 4'



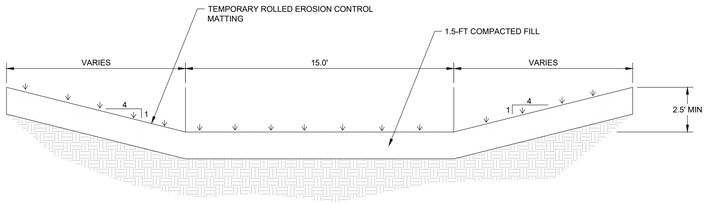
NOTES:

1. COLLECTOR DITCH DETAILS IDENTIFIED IN TABLE 2.

2/24 COLLECTOR DITCH (TYP.)
SCALE: 1" = 4'



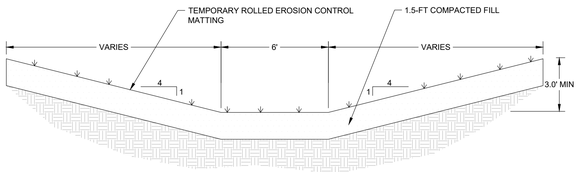
3/24 STORMWATER BERM
SCALE: 1" = 4'



NOTES:

1. PERIMETER CHANNELS TO HAVE PERMANENT GRASS LINING.
2. SOIL WITHIN 6 INCHES OF THE GROUND SURFACE SHALL BE TOPSOIL OR OTHERWISE AMENDED TO ESTABLISH PERMANENT VEGETATION

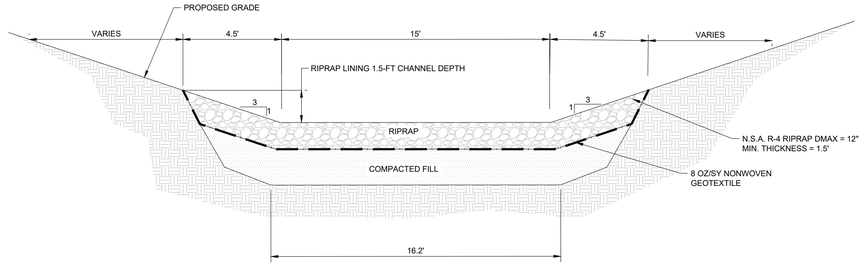
4/24 PERIMETER CHANNEL 1
SCALE: 1" = 4'



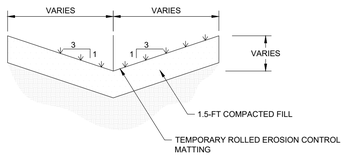
NOTES:

1. PERIMETER CHANNELS TO HAVE PERMANENT GRASS LINING.
2. SOIL WITHIN 6 INCHES OF THE GROUND SURFACE SHALL BE TOPSOIL OR OTHERWISE AMENDED TO ESTABLISH PERMANENT VEGETATION

5/24 PERIMETER CHANNEL 2
SCALE: 1" = 4'



6/24 STORMWATER OUTFALL
SCALE: 1" = 4'



NOTES:

1. DEPRESSION AREA DRAINAGE CHANNEL TO HAVE PERMANENT GRASS LINING.
2. SOIL WITHIN 6 INCHES OF THE GROUND SURFACE SHALL BE TOPSOIL OR OTHERWISE AMENDED TO ESTABLISH PERMANENT VEGETATION
3. THE CHANNEL DOES NOT HAVE A MINIMUM DEPTH. DUE TO SITE CONSTRAINTS THE CHANNEL SHALL START AT 0-FT DEPTH. DEPTH WILL INCREASE (AND MAY DECREASE) ALONG ITS ALIGNMENT BASED ON THE ADJACENT TERRAIN

7/24 DEPRESSION AREA DRAINAGE CHANNEL
SCALE: 1" = 4'

ENVIRONMENT & INFRASTRUCTURE, INC.
2801 YORKMONT ROAD, SUITE 100
CHARLOTTE, NC 28208
TEL: (704) 357-8600

GA COA#: PEF000213
EXPIRES 06/30/2024

PERMIT DRAWINGS
NOT FOR CONSTRUCTION

GEORGIA REGISTERED No. PE028605 PROFESSIONAL ENGINEER KENNETH R. DALY

NOT VALID WITHOUT SIGNATURE AND DATE

PROJECT:

Georgia Power

PLANT MITCHELL CCR SURFACE IMPOUNDMENT CLOSURES

ASH PONDS A, 1, AND 2
CLOSURE-BY-REMOVAL
MITCHELL AND DOUGHERTY COUNTIES, GEORGIA

PROJECT NO. 6123-20-1571

REVISIONS			
NO.	DATE	BY	APPROVED
0	04/26/2022	A. EZE	K. DALY
1	01/24/2024	C. BUDSOCK	K. DALY

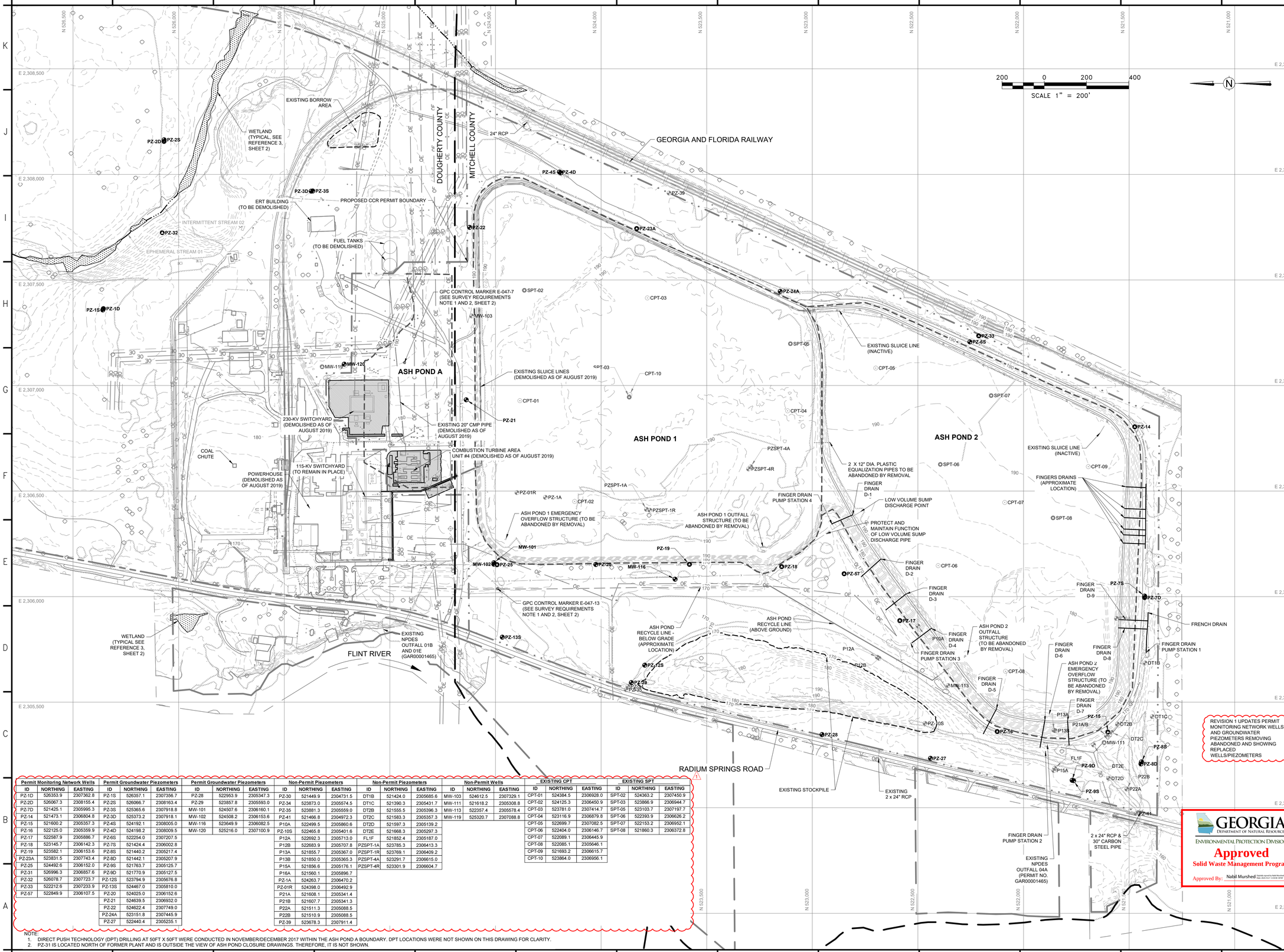
DESIGNED BY:	J. WRONA
DRAWN BY:	A. EZE
CHECKED BY:	K. DALY
APPROVED BY:	K. DALY
DATE:	01/24/2024

SHEET TITLE:

DETAILS 1

SHEET NUMBER:	REV. #
24	1
SHEET 24 OF 25 SHEETS	

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Tammy Buchli Digitally signed by Tammy Buchli Date: 2024.02.01 10:05:22 -04'00'



Permit Monitoring Network Wells			Permit Groundwater Piezometers			Permit Groundwater Piezometers			Non-Permit Piezometers			Non-Permit Piezometers			Non-Permit Piezometers			Non-Permit Wells			EXISTING CPT			EXISTING SPT		
ID	NORTHING	EASTING	ID	NORTHING	EASTING	ID	NORTHING	EASTING	ID	NORTHING	EASTING	ID	NORTHING	EASTING	ID	NORTHING	EASTING	ID	NORTHING	EASTING	ID	NORTHING	EASTING	ID	NORTHING	EASTING
PZ-1D	526353.9	2307362.8	PZ-1S	526357.1	2307356.7	PZ-28	522953.9	2305347.3	PZ-30	521449.9	2304731.5	DT1B	521424.0	2305685.6	MW-103	524612.5	2307329.1	CPT-01	524384.5	2306928.0	SPT-02	524363.2	2307450.9
PZ-2D	526067.3	2308155.4	PZ-2S	526066.7	2308163.4	PZ-29	523857.8	2305593.0	PZ-34	523873.0	2305574.5	DT1C	521390.3	2305431.7	MW-111	521618.2	2305308.8	CPT-02	524125.3	2306450.9	SPT-03	523866.9	2306944.7
PZ-7D	521425.1	2305995.3	PZ-3S	525365.6	2307918.8	MW-101	524507.6	2306160.1	PZ-35	523881.3	2305559.0	DT2B	521555.5	2305396.3	MW-113	522357.4	2305578.4	CPT-03	523781.0	2307414.7	SPT-05	523103.7	2307197.7
PZ-14	521473.1	2306804.8	PZ-3D	525373.2	2307918.1	MW-102	524508.2	2306153.6	PZ-41	521466.8	2304972.3	DT2C	521583.3	2305357.3	MW-119	525320.7	2307088.8	CPT-04	523116.9	2306879.8	SPT-06	522393.9	2306626.2
PZ-15	521600.2	2305357.3	PZ-4S	524192.1	2308005.0	MW-116	523649.9	2306082.5	P10A	522499.5	2305860.6	DT2D	521597.3	2305139.2				CPT-05	522699.7	2307082.5	SPT-07	522153.2	2306952.1
PZ-16	522125.0	2305359.9	PZ-4D	524198.2	2308009.5	MW-120	525216.0	2307100.9	PZ-10S	522465.8	2305401.6	DT2E	521668.3	2305297.3				CPT-06	522404.0	2306146.7	SPT-08	521860.3	2306372.8
PZ-17	522587.9	2305886.7	PZ-6S	522254.0	2307207.5				P12A	522692.3	2305713.0	FL1F	521852.4	2305187.0				CPT-07	522089.1	2306445.9						
PZ-18	523145.7	2306142.3	PZ-7S	521424.4	2306002.8				P12B	522683.9	2305707.8	PZSPT-1A	523785.3	2306413.3				CPT-08	522085.1	2305646.1						
PZ-19	523582.1	2306153.6	PZ-8S	521440.2	2305217.4				P13A	521855.7	2305367.0	PZSPT-1R	523769.1	2306409.2				CPT-09	521693.2	2306615.7						
PZ-23A	523831.5	2307743.4	PZ-8D	521442.1	2305207.9				P13B	521850.0	2305365.3	PZSPT-4A	523291.7	2306615.0				CPT-10	523864.0	2306956.1						
PZ-25	524492.6	2306152.0	PZ-9S	521763.7	2305125.7				P15A	521856.6	2305176.1	PZSPT-4R	523301.9	2306604.7												
PZ-31	526996.3	2306857.6	PZ-9D	521770.9	2305127.5				P16A	521560.1	2305896.7																
PZ-32	526078.7	2307723.7	PZ-12S	523794.9	2305676.8				PZ-1A	524263.7	2306470.2																
PZ-33	522212.6	2307233.9	PZ-13S	524467.0	2305810.0				PZ-01R	524398.0	2306492.9																
PZ-57	522849.9	2306107.5	PZ-20	524025.0	2306152.6				P21A	521608.1	2305341.4																
			PZ-21	524639.5	2306932.0				P21B	521607.7	2305341.3																
			PZ-22	524622.4	2307749.0				P22A	521511.3	2305088.5																
			PZ-24A	523151.8	2307445.9				P22B	521510.9	2305088.5																
			PZ-27	522440.4	2305235.1				PZ-39	523678.3	2307911.4																

NOTE:
1. DIRECT PUSH TECHNOLOGY (DPT) DRILLING AT 50FT X 50FT WERE CONDUCTED IN NOVEMBER/DECEMBER 2017 WITHIN THE ASH POND A BOUNDARY. DPT LOCATIONS WERE NOT SHOWN ON THIS DRAWING FOR CLARITY.
2. PZ-31 IS LOCATED NORTH OF FORMER PLANT AND IS OUTSIDE THE VIEW OF ASH POND CLOSURE DRAWINGS. THEREFORE, IT IS NOT SHOWN.

wsp

ENVIRONMENT & INFRASTRUCTURE, INC.
2801 YORKMONT ROAD,
SUITE 100
CHARLOTTE, NC 28208
TEL: (704) 357-8600

GA COA#: PEF000213
EXPIRES 06/30/2024

PERMIT DRAWINGS
NOT FOR CONSTRUCTION

GEORGIA REGISTERED No. PE023605 PROFESSIONAL ENGINEER KENNETH R. DALY

NOT VALID WITHOUT SIGNATURE AND DATE

PROJECT:

Georgia Power

PLANT MITCHELL CCR SURFACE IMPOUNDMENT CLOSURES

ASH PONDS A, 1, AND 2 CLOSURE-BY-REMOVAL
MITCHELL AND DOUGHERTY COUNTIES, GEORGIA

PROJECT NO. 6123-20-1571

REVISIONS

NO.	DATE	BY	APPROVED
0	04/26/2022	A. EZE	K. DALY
1	01/24/2024	C. BUDSOCK	K. DALY

1 REVISION 1 UPDATES PERMIT MONITORING NETWORK WELLS AND GROUNDWATER PIEZOMETERS REMOVING ABANDONED AND SHOWING REPLACED WELLS/PIEZOMETERS

DESIGNED BY:	J. WRONA
DRAWN BY:	A. EZE
CHECKED BY:	K. DALY
APPROVED BY:	K. DALY
DATE:	01/24/2024

GEORGIA DEPARTMENT OF NATURAL RESOURCES
ENVIRONMENTAL PROTECTION DIVISION
Approved
Solid Waste Management Program
Approved By: Nabil Murshed

SHEET TITLE:

ENVIRONMENTAL MONITORING PLAN

SHEET NUMBER: 25 | REV. # 1

SHEET 25 OF 25 SHEETS

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