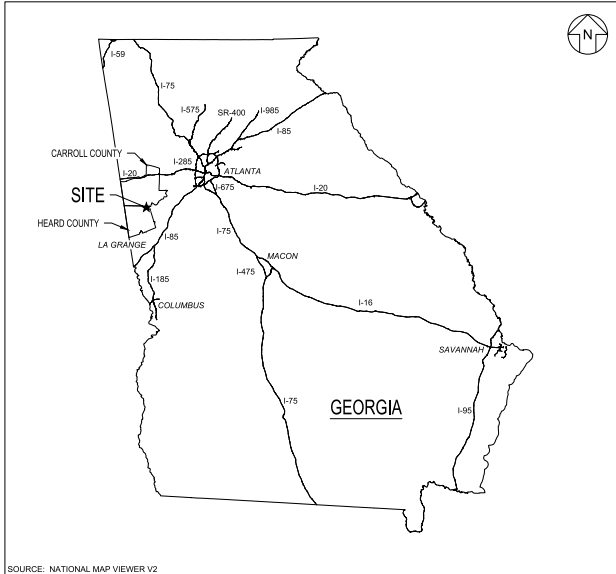


PLANT WANSLEY ASH POND 1 CLOSURE BY REMOVAL

HEARD AND CARROLL COUNTIES, GEORGIA

CCR PERMIT DRAWINGS

NOVEMBER 2025



LOCATION MAP
SCALE: NTS

LIST OF DRAWINGS			
DWG NO.	DWG TITLE	CURRENT REV	DATE
01	COVER SHEET	2	11/10/2025
02	LEGENDS, SYMBOLS, AND ABBREVIATIONS	1	11/10/2025
03	PROPERTY BOUNDARY SURVEY AND LEGAL DESCRIPTION	1	7/9/2025
04	SITE GROUNDWATER MONITORING PLAN	2	11/10/2025
05	EXISTING SITE CONDITIONS - TOPOGRAPHY AND AP-1 BATHYMETRY	2	11/10/2025
06	CCR REMOVAL PLAN - OVERVIEW	2	11/10/2025
07	CCR REMOVAL PLAN - I	0	2/6/2025
08	CCR REMOVAL PLAN - II	0	2/6/2025
09	CCR REMOVAL PLAN - III	1	11/10/2025
10	CCR REMOVAL PLAN - IV	0	2/6/2025
11	CCR REMOVAL PLAN - V	1	7/9/2025
12	SITE RESTORATION GRADING PLAN	2	11/10/2025
13	SEPARATOR DIKE PLAN	1	11/10/2025
14	SITE SECTIONS - I	0	2/6/2025
15	SITE SECTIONS - II	0	2/6/2025
16	SEPARATOR DIKE SECTIONS	1	11/10/2025
17	CONSTRUCTION SEQUENCING PLAN - I	1	11/10/2025
18	CONSTRUCTION SEQUENCING PLAN - II	1	11/10/2025
19	FINAL STORMWATER AND ESC PLAN	2	11/10/2025
20	STORMWATER AND ESC DETAILS - I	1	11/10/2025
21	STORMWATER AND ESC DETAILS - II	1	11/10/2025
22	STORMWATER AND ESC DETAILS - III	1	11/10/2025



VICINITY MAP
SCALE: 1" = 2,000'

PREPARED FOR:



GEORGIA POWER ENVIRONMENTAL AFFAIRS
241 RALPH MCGILL BOULEVARD NE
ATLANTA, GEORGIA 30308-3374
TELEPHONE: 404.506.6505
EMAIL: GPCENV@SOUTHERNCO.COM

PHYSICAL SITE ADDRESS:
PLANT WANSLEY
1371 LIBERTY CHURCH ROAD
CARROLLTON, GA 30116

PREPARED BY:



1255 ROBERTS BOULEVARD NW, SUITE 200
KENNESAW, GEORGIA 30144-3694
TELEPHONE: 678.202.9500



Digitally signed by
Jeremy Gasser
Date: 2025.11.10
15:37:20 -0600'



REV	DATE	DESCRIPTION	DRN	APP
2	11.10.25	MINOR PERMIT MOD 2 - REVISION TO AP-1 DESIGN	WSA	JMG
1	07.09.25	MINOR PERMIT MOD 1 - REVISION TO AP-1 PERMIT BOUNDARY	WSA	JMG
0	02.06.25	GA EPD CCR PERMIT DRAWINGS	DLJ	JMG

COVER SHEET

PLANT WANSLEY ASH POND CLOSURE BY REMOVAL
HEARD AND CARROLL COUNTIES, GEORGIA

Geosyntec
consultants

1255 ROBERTS BOULEVARD, NW, SUITE 200
KENNESAW, GEORGIA 30144 USA
PHONE: 678.202.9500
WWW.GEOSYNTEC.COM

PROJ. NO. GW9155 DWG. GW7306 13-C01 EDIT 11/10/25
SCALE AS SHOWN DATE NOVEMBER 2025 DRAWING 01 OF 22

C:\BEO\ACD\DCS\GEOSYNTEC-SBP\PLANT WANSLEY\PROJECT FILES\CAD\DWG\13\DWG\BP\GW7306_13-02

LINETYPE LEGEND

EXISTING	PROPOSED FINAL

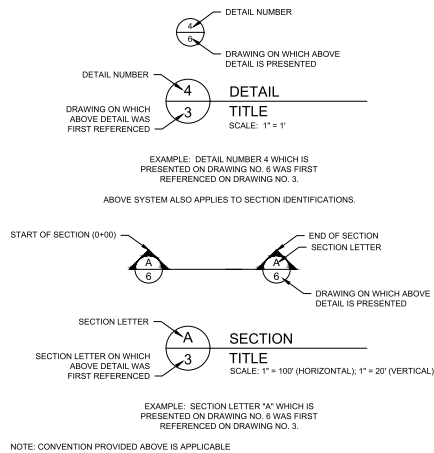
SYMBOL LEGEND

EXISTING	PROPOSED FINAL

HATCH PATTERN LEGEND

SYMBOL	COMPONENT
	CCR
	CONCRETE
	CONTRACTOR LAY DOWN AREA
	DEEP SOIL MIX ZONE
	HYDROSEED/GRASS STABILIZATION
	PROTECTIVE SOIL LAYER
	RIPRAP
	RIPRAP - SEEPAGE BERM
	SAND
	WATER SURFACE

DETAIL AND SECTION IDENTIFICATION LEGEND



ABBREVIATIONS

%	PERCENT OR PERCENTILE
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
AC	ACRES
AP-1	ASH POND 1
APP	APPROVED BY
APPROX	APPROXIMATE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
BMP	BEST MANAGEMENT PRACTICE
CCR	COAL COMBUSTION RESIDUALS
COA	CONSTRUCTION QUALITY ASSURANCE
COA	CENTERLINE
DIA	DIAMETER
DRN	DRAWN BY
DWG	DRAWING
E	EASTING
E.G.	FOR EXAMPLE
EL	ELEVATION
FT	FEET
GA EPD	GEORGIA ENVIRONMENTAL PROTECTION DIVISION
GDOT	GEORGIA DEPARTMENT OF TRANSPORTATION
GPC	GEORGIA POWER COMPANY
GSWCC	GEORGIA SOIL AND WATER CONSERVATION COMMISSION
HV	HORIZONTAL TO VERTICAL LENGTH RATIO FOR A SLOPE
HDPE	HIGH DENSITY POLYETHYLENE
HECP	HYDRAULIC EROSION CONTROL PRODUCTS
IE	THAT IS
ID	IDENTIFIER
IN	INCH
INV	INVERT
LBS	POUNDS
LLDPE	LINEAR LOW DENSITY POLYETHYLENE
LOD	LIMITS OF DISTURBANCE
MAX	MAXIMUM
MIL	ONE-THOUSANDTH OF AN INCH
MIN	MINIMUM
N	NITROGEN / NORTH / NORTHING
NAD83	NORTH AMERICAN DATUM OF 1983
NAVDS8	NORTH AMERICAN VERTICAL DATUM OF 1988
NO.	NUMBER
NPDES	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
N-P-K	NITROGEN-PHOSPHORUS-POTASSIUM
NSA	NATIONAL STONE ASSOCIATION
NTS	NOT TO SCALE
NW	NORTHWEST
OC	ON CENTER
PC	PERIMETER CHANNEL
PPM	PARTS PER MILLION
PROJ	PROJECT
PWR	PARTIALLY WEATHERED ROCK
PZ	PIEZOMETER
RECP	ROLLED EROSION CONTROL PRODUCTS
REV	REVISION
SCS	SOUTHERN COMPANY SERVICES
SF	SILT FENCE
SO FT	SQUARE FEET
STA	STATION
TYP	TYPICAL
W.S.	WATER SURFACE

REFERENCE NOTES

- GENERAL NOTES:
- GRID COORDINATE SYSTEM CORRESPONDS TO NAD83, GEORGIA WEST ZONE.
 - ELEVATIONS PRESENTED ARE IN FEET, NAVD83.
 - TOPOGRAPHY (I.E. EXISTING GROUND CONTOURS) IS BASED ON A LIDAR SURVEY PERFORMED BY ARC SURVEYING AND MAPPING, LLC IN OCTOBER 2021, SUPPLEMENTED WITH DESIGN GRADES FOR FEATURES CONSTRUCTED BETWEEN JANUARY 2025 AND AUGUST 2025 PRESENTED IN AP-1 DESIGN DRAWINGS ISSUED BY GEOSYNTEC IN SEPTEMBER 2024. BATHYMETRY (I.E. BOTTOM OF POND CONTOURS) WAS OBTAINED BY A MULTIBEAM HYDROGRAPHIC SURVEY COMPLETED AND PROVIDED BY ARC SURVEYING AND MAPPING, LLC IN NOVEMBER 2019.
 - BATHYMETRY REFLECTS THE CONDITIONS AT THE TIME OF THE SURVEY AND MAY NOT REFLECT CURRENT CONDITIONS.
 - PLANIMETRIC FEATURES AND PROPERTY BOUNDARY ARE APPROXIMATE AND WERE OBTAINED FROM ELECTRONIC FILES PROVIDED BY SCS IN NOVEMBER 2016 AND JUNE 2025.
 - THE LATERAL LIMIT OF CCR IS APPROXIMATE BASED ON DRAWINGS PROVIDED BY SCS AND FIELD DISCUSSIONS WITH PLANT WANSLEY STAFF. FIELD VERIFICATION OF THE ACTUAL LIMIT OF CCR DURING CONSTRUCTION WILL BE REQUIRED.
 - THE LATERAL LIMIT OF WATER SURFACE WITHIN AP-1 IS BASED ON A POOL ELEVATION OF 781.5 FT, WHICH MAY FLUCTUATE WITH SEASONAL VARIATIONS.
 - THE BOTTOM OF CCR SURFACE WAS APPROXIMATE BASED ON A TOPOGRAPHIC SURVEY PERFORMED FOLLOWING THE CONSTRUCTION OF THE SEPARATOR DIKE AND PRIOR TO RECEIPT OF CCR IN THE SURFACE IMPOUNDMENT (SHEET G-10023, DATED 01 MARCH 1976, PROVIDED BY SCS). IN AREAS WHERE THE POST-CONSTRUCTION TOPOGRAPHIC SURFACE IS ABOVE THE 2019 BATHYMETRIC SURFACE, THE BOTTOM OF CCR SURFACE WAS ASSUMED TO BE THE ELEVATION OF THE BATHYMETRIC SURFACE. GEOTECHNICAL DATA FROM 24 BORINGS COLLECTED BY GEOSYNTEC IN SPRING 2017 AND 30 OPT3 COLLECTED BY GEOSYNTEC IN SPRING 2019 ALONG THE PROPOSED CONTAINMENT STRUCTURE ALIGNMENT WERE INTEGRATED INTO THE BOTTOM OF CCR SURFACE. BOTTOM OF CCR IS TO BE FIELD VERIFIED WITHIN THE CLOSURE BY REMOVAL AREA.
 - TOP OF EXISTING CCR WAS ASSUMED AS THE BATHYMETRIC SURFACE IN AREAS COVERED BY WATER AND AS EXISTING GROUND IN DRY AREAS.
 - SUBGRADE SURFACES (NATIVE SOIL, PWR, AND ROCK) WERE DEVELOPED FROM HISTORICAL BORINGS AND SITE DATA: (I) COLLECTED BY GEOSYNTEC CONSULTANTS IN 2016, 2017, AND 2019; AND (II) PROVIDED BY SCS IN 2010.
 - NO WORK SHALL SIGNIFICANTLY IMPACT THE EXISTING SEPARATOR DIKE BETWEEN AP-1 AND THE STORAGE WATER POND.
 - DEWATERING OF CCR DURING CLOSURE CONSTRUCTION WILL BE PERFORMED IN ACCORDANCE WITH THE ASH POND WATER MANAGEMENT PLAN (SECTION 3 OF PART B WITHIN THIS PERMIT APPLICATION).
 - CONTACT WATER FROM AP-1 DURING CLOSURE CONSTRUCTION WILL BE TREATED PRIOR TO DISCHARGE THROUGH THE NPDES OUTFALL TO MEET SPECIFICATIONS PROVIDED IN THE ASH POND DEWATERING PLAN, NPDES PERMIT NO. GA000778, WHICH WAS APPROVED BY GA EPD ON NOVEMBER 20, 2021.
 - DUST CONTROL WILL BE MANAGED AS SPECIFIED IN THE FUGITIVE DUST CONTROL PLAN SECTION OF THE CLOSURE PLAN (SECTION 7 OF PART A WITHIN THIS PERMIT APPLICATION).
 - PERMIT BOUNDARY WAS DEVELOPED BY ESTABLISHING A MINIMUM 200-FT OFFSET UPGRADIENT OF AP-1, WHICH INCORPORATES ALL DOWNGRADIENT MONITORING WELLS, AND GENERALLY FOLLOWS THE PLANT ROAD ALONG THE SOUTH SIDE OF AP-1.
 - MONITORING WELL AND PIEZOMETER COORDINATES WERE OBTAINED FROM THE GROUNDWATER MONITORING PLAN (SECTION 6 OF PART A WITHIN THIS PERMIT APPLICATION).
 - ACCESS ROADS, ACCESS RAMPS, AND ASSOCIATED STORMWATER FEATURES WILL BE EVALUATED AS PART OF THE DETAILED DESIGN.

CONTOUR LEGEND

EXISTING	PROPOSED



REV	DATE	DESCRIPTION	DRN	APP
1	11.10.25	MINOR PERMIT MOD 2 - REVISION TO AP-1 DESIGN	WSA	JMG
0	02.06.25	GA EPD CCR PERMIT DRAWINGS	EDJ	JMG

LEGENDS, SYMBOLS, AND ABBREVIATIONS

PLANT WANSLEY ASH POND CLOSURE BY REMOVAL
HEARD AND CARROLL COUNTIES, GEORGIA

1255 ROBERTS BULEVARD, NW, SUITE 200
KENNESAW, GEORGIA 30144 USA
PHONE: 678.202.9500
WWW.GEOSYNTEC.COM

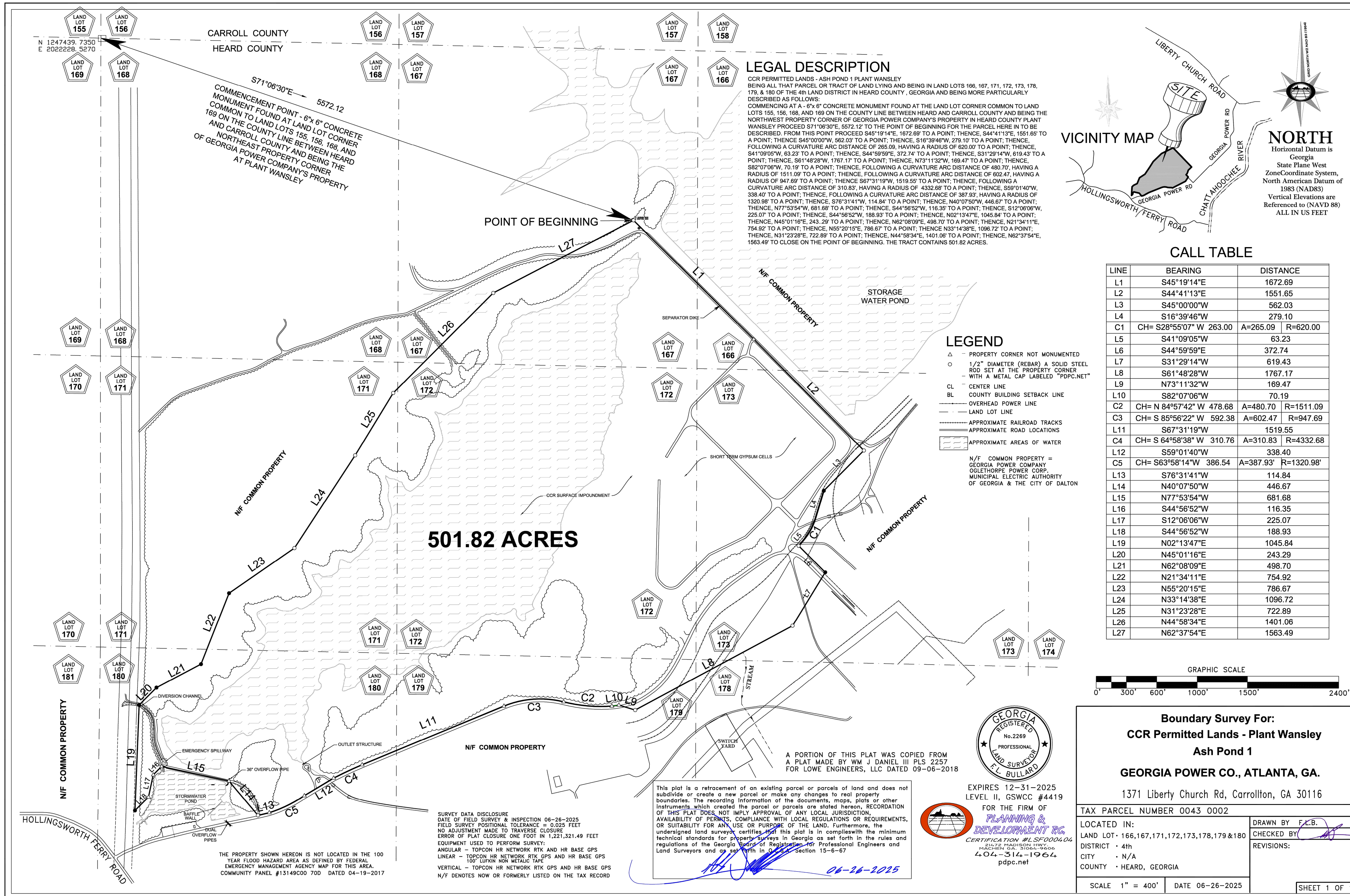
DATE: 2025.11.10 15:56:07 -0500

PROJ. NO.	GW9155	DWG.	GW7306_13-C02	EDIT	01/18/25
SCALE	AS SHOWN	DRAWING		02	OF 22
DATE	NOVEMBER 2025				

1. UPDATED REFERENCES TO REFLECT LATEST SURVEYS AND DESIGN GRADES.



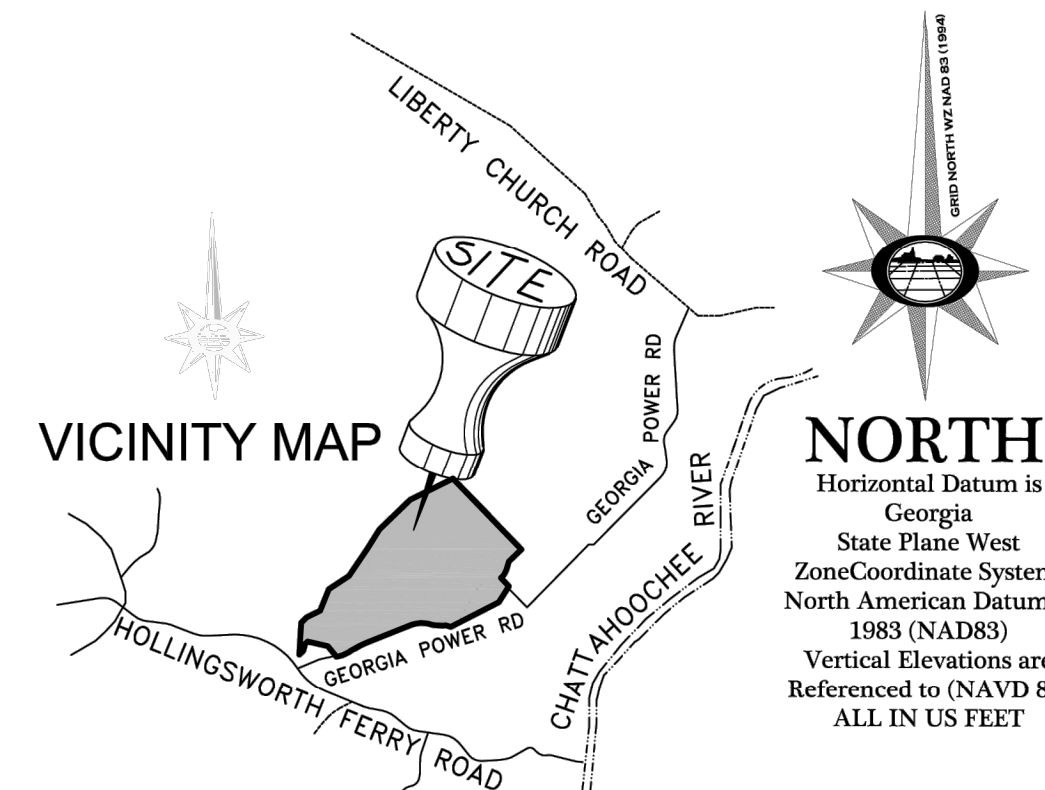
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LEGAL DESCRIPTION

CCR PERMITTED LANDS - ASH POND 1 PLANT WANSLEY
 BEING ALL THAT PARCEL OR TRACT OF LAND LYING AND BEING IN LAND LOTS 166, 167, 171, 172, 173, 178,
 179, & 180 OF THE 4th LAND DISTRICT IN HEARD COUNTY, GEORGIA AND BEING MORE PARTICULARLY
 DESCRIBED AS FOLLOWS:
 COMMENCING AT A 6"x6" CONCRETE MONUMENT FOUND AT THE LAND LOT CORNER COMMON TO LAND
 LOTS 155, 156, 168, AND 169 ON THE COUNTY LINE BETWEEN HEARD AND CARROLL COUNTY AND BEING THE
 NORTHWEST PROPERTY CORNER OF GEORGIA POWER COMPANY'S PROPERTY IN HEARD COUNTY PLANT
 WANSLEY PROCEED S71°06'30"E, 5572.12' TO THE POINT OF BEGINNING FOR THE PARCEL HERE IN TO BE
 DESCRIBED. FROM THIS POINT PROCEED S45°19'14"E, 1672.69' TO A POINT; THENCE, S44°41'13"E, 1551.65'
 TO A POINT; THENCE, S45°00'00"W, 562.03' TO A POINT; THENCE, S16°39'46"W, 279.10' TO A POINT; THENCE,
 FOLLOWING A CURVATURE ARC DISTANCE OF 265.09, HAVING A RADIUS OF 620.00' TO A POINT; THENCE,
 S41°09'05"W, 63.23' TO A POINT; THENCE, S44°59'59"E, 372.74' TO A POINT; THENCE, S31°29'14"W, 619.43' TO A
 POINT; THENCE, S61°48'28"W, 1767.17' TO A POINT; THENCE, N73°11'32"W, 169.47' TO A POINT; THENCE,
 S82°07'06"W, 70.19' TO A POINT; THENCE, FOLLOWING A CURVATURE ARC DISTANCE OF 480.70, HAVING A
 RADIUS OF 1511.09' TO A POINT; THENCE, FOLLOWING A CURVATURE ARC DISTANCE OF 802.47, HAVING A
 RADIUS OF 947.89' TO A POINT; THENCE, S87°31'19"W, 1519.55' TO A POINT; THENCE, FOLLOWING A
 CURVATURE ARC DISTANCE OF 319.85, HAVING A RADIUS OF 4332.88' TO A POINT; THENCE, S59°01'40"W,
 338.40' TO A POINT; THENCE, FOLLOWING A CURVATURE ARC DISTANCE OF 387.93, HAVING A RADIUS OF
 1320.98' TO A POINT; THENCE, S76°31'41"W, 114.84' TO A POINT; THENCE, N40°07'50"W, 446.67' TO A POINT;
 THENCE, N77°53'54"W, 681.68' TO A POINT; THENCE, S44°56'52"W, 116.35' TO A POINT; THENCE, S12°06'06"W,
 225.07' TO A POINT; THENCE, S44°56'52"W, 188.93' TO A POINT; THENCE, N02°13'47"E, 1045.84' TO A POINT;
 THENCE, N45°01'16"E, 243.29' TO A POINT; THENCE, N62°08'09"E, 498.70' TO A POINT; THENCE, N21°34'11"E,
 754.92' TO A POINT; THENCE, N55°20'15"E, 786.67' TO A POINT; THENCE, N33°14'38"E, 1096.72' TO A POINT;
 THENCE, N31°23'28"E, 722.89' TO A POINT; THENCE, N44°58'34"E, 1401.06' TO A POINT; THENCE, N62°37'54"E,
 1563.49' TO CLOSE ON THE POINT OF BEGINNING. THE TRACT CONTAINS 501.82 ACRES.

VICINITY MAP



NORTH

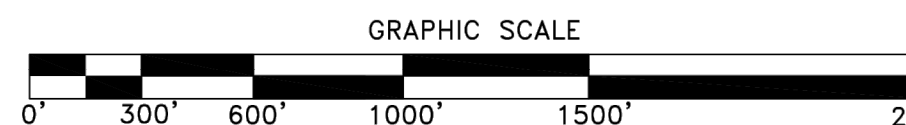
Horizontal Datum is
 Georgia
 State Plane West
 Zone Coordinate System,
 North American Datum of
 1983 (NAD83)
 Vertical Elevations are
 Referenced to (NAVD 88)
 ALL IN US FEET

CALL TABLE

LINE	BEARING	DISTANCE
L1	S45°19'14"E	1672.69
L2	S44°41'13"E	1551.65
L3	S45°00'00"W	562.03
L4	S16°39'46"W	279.10
C1	CH= S28°55'07" W 263.00	A=265.09 | R=620.00
L5	S41°09'05"W	63.23
L6	S44°59'59"E	372.74
L7	S31°29'14"W	619.43
L8	S61°48'28"W	1767.17
L9	N73°11'32"W	169.47
L10	S82°07'06"W	70.19
C2	CH= N 84°57'42" W 478.68	A=480.70 | R=1511.09
C3	CH= S 85°56'22" W 592.38	A=602.47 | R=947.69
L11	S67°31'19"W	1519.55
C4	CH= S 64°58'38" W 310.76	A=310.83 | R=4332.68
L12	S59°01'40"W	338.40
C5	CH= S63°58'14"W 386.54	A=387.93 | R=1320.98'
L13	S76°31'41"W	114.84
L14	N40°07'50"W	446.67
L15	N77°53'54"W	681.68
L16	S44°56'52"W	116.35
L17	S12°06'06"W	225.07
L18	S44°56'52"W	188.93
L19	N02°13'47"E	1045.84
L20	N45°01'16"E	243.29
L21	N62°08'09"E	498.70
L22	N21°34'11"E	754.92
L23	N55°20'15"E	786.67
L24	N33°14'38"E	1096.72
L25	N31°23'28"E	722.89
L26	N44°58'34"E	1401.06
L27	N62°37'54"E	1563.49

LEGEND

- △ PROPERTY CORNER NOT MONUMENTED
 - 1/2" DIAMETER (REBAR) A SOLID STEEL ROD SET AT THE PROPERTY CORNER WITH A METAL CAP LABELED "PDPC.NET"
 - CL CENTER LINE
 - BL COUNTY BUILDING SETBACK LINE
 - OVERHEAD POWER LINE
 - LAND LOT LINE
 - APPROXIMATE RAILROAD TRACKS
 - APPROXIMATE ROAD LOCATIONS
 - APPROXIMATE AREAS OF WATER
- N/F COMMON PROPERTY =
 GEORGIA POWER COMPANY
 OGLETHORPE POWER CORP.
 MUNICIPAL ELECTRIC AUTHORITY
 OF GEORGIA & THE CITY OF DALTON



Boundary Survey For:
CCR Permitted Lands - Plant Wansley
Ash Pond 1
GEORGIA POWER CO., ATLANTA, GA.
 1371 Liberty Church Rd, Carrollton, GA 30116

TAX PARCEL NUMBER 0043 0002	DRAWN BY F.C.B.
LOCATED IN: LAND LOT 166,167,171,172,173,178,179 & 180	CHECKED BY
DISTRICT 4th	REVISIONS:
CITY N/A	
COUNTY HEARD, GEORGIA	
SCALE 1" = 400'	DATE 06-26-2025
	SHEET 1 OF 1



EXPIRES 12-31-2025
 LEVEL II, GSWCC #4419
 FOR THE FIRM OF
PLANNING & DEVELOPMENT PC
 CERTIFICATION #LSF000040
 404-314-1964
 pdpc.net

A PORTION OF THIS PLAT WAS COPIED FROM
 A PLAT MADE BY WM J DANIEL III PLS 2257
 FOR LOWE ENGINEERS, LLC DATED 09-06-2018

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 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 is in compliance 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 Section 15-6-67

06-26-2025

SURVEY DATA DISCLOSURE
 DATE OF FIELD SURVEY & INSPECTION 06-26-2025
 FIELD SURVEY POSITIONAL TOLERANCE = 0.025 FEET
 NO ADJUSTMENT MADE TO TRANSVERSE CLOSURE
 ERROR OF PLAT CLOSURE ONE FOOT IN 1,221,321.49 FEET
 EQUIPMENT USED TO PERFORM SURVEY:
 ANGULAR - TOPCON HR NETWORK RTK AND HR BASE GPS
 LINEAR - TOPCON HR NETWORK RTK GPS AND HR BASE GPS
 180' LUPIN NON METALIC TAPE
 VERTICAL - TOPCON HR NETWORK RTK GPS AND HR BASE GPS
 N/F DENOTES NOW OR FORMERLY LISTED ON THE TAX RECORD

THE PROPERTY SHOWN HEREON IS NOT LOCATED IN THE 100
 YEAR FLOOD HAZARD AREA AS DEFINED BY FEDERAL
 EMERGENCY MANAGEMENT AGENCY MAP FOR THIS AREA.
 COMMUNITY PANEL #13149C00 70D DATED 04-19-2017

NOTE:

- STAMPED SURVEY DRAWING FROM GEORGIA POWER COMPANY WAS SCALED BY 0.75 TO FIT GEOSYNTEC'S DRAWINGS, AS SUCH IT IS NOT TO THE SCALE PRESENTED IN THAT DRAWING.



1	07.09.25	MINOR PERMIT MOD 1 - REVISION TO AP-1 PERMIT BOUNDARY	WSA	JMG
0	02.06.25	GA EPD CCR PERMIT DRAWINGS	DLJ	JMG
REV	DATE	DESCRIPTION	DRN	APP

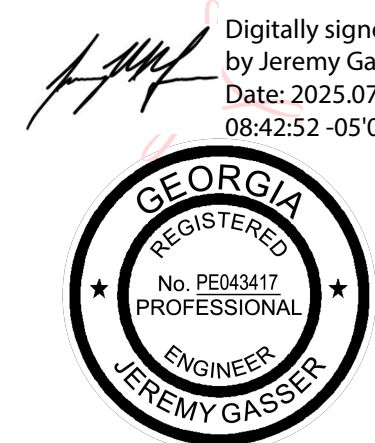
PROPERTY BOUNDARY SURVEY AND LEGAL DESCRIPTION

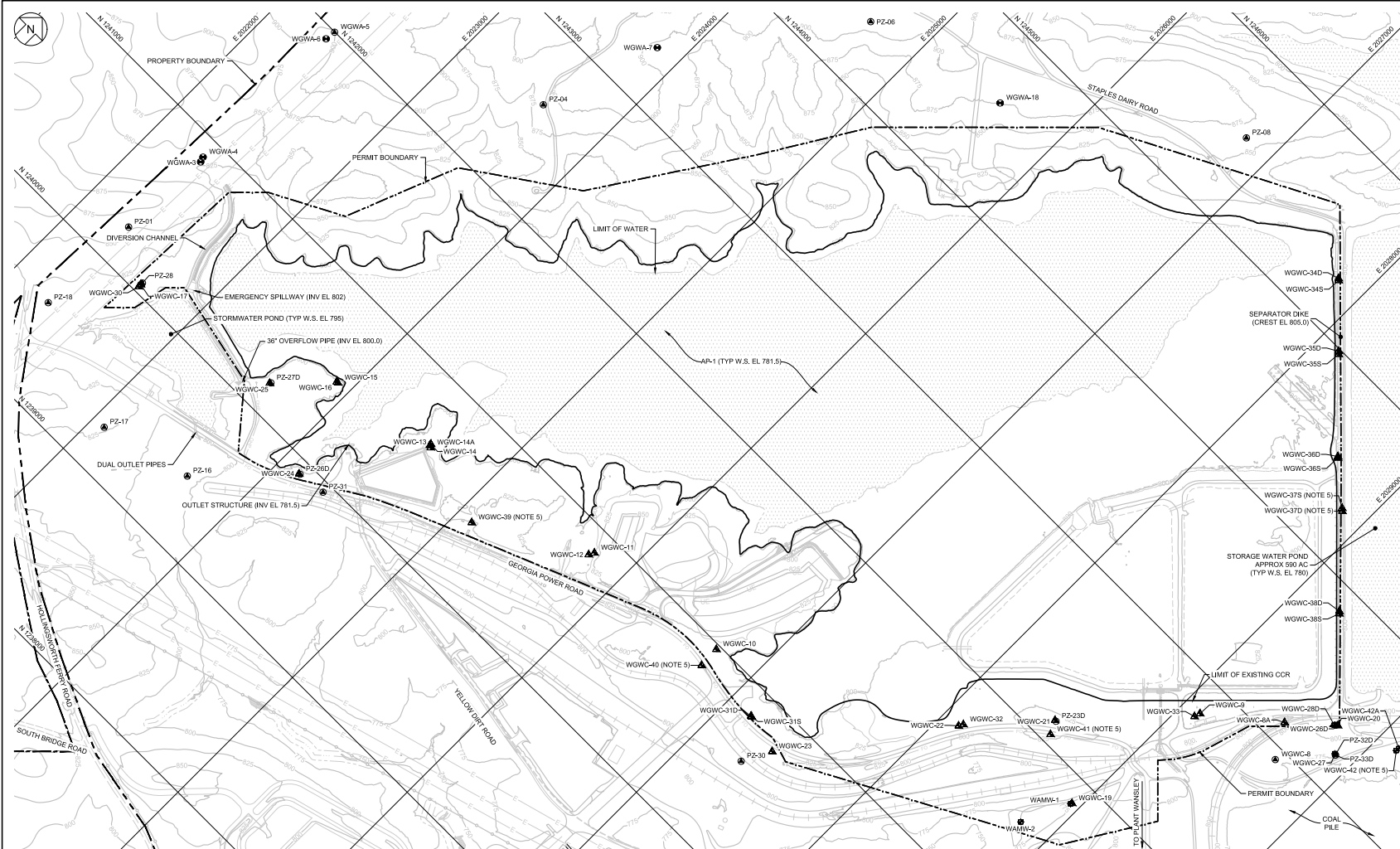
PLANT WANSLEY ASH POND CLOSURE BY REMOVAL
 HEARD AND CARROLL COUNTIES, GEORGIA

Geosyntec
 consultants

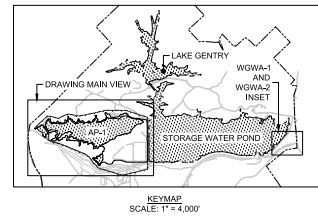
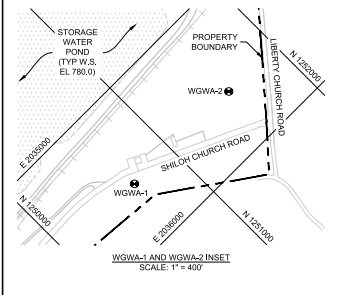
Georgia Power

1255 ROBERTS BOULEVARD, NW, SUITE 200 KENNESAW, GEORGIA 30144 USA	PHONE: 678.202.8500 WWW.GEOSYNTEC.COM
PROJ. NO. GW9155	DWG. GW7306.13-C03
SCALE AS SHOWN	DATE FEBRUARY 2025
DRAWING 03 OF 22	

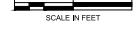




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PZ-01	1242948.86	2022319.93	PIEZOMETER
PZ-04	1243892.03	2023595.91	PIEZOMETER
PZ-06	1244382.88	2024661.39	PIEZOMETER
PZ-08	1245144.59	2026807.30	PIEZOMETER
PZ-16	1239419.77	2023662.22	PIEZOMETER
PZ-17	1239270.02	2023088.50	PIEZOMETER
PZ-18	1239699.52	2022299.20	PIEZOMETER
PZ-20	1242139.53	2028202.87	PIEZOMETER
PZ-26D	1239194.94	2024146.35	ASSESSMENT
PZ-27D	1240190.93	2023620.36	PIEZOMETER
PZ-28	1240066.02	2022624.73	PIEZOMETER
PZ-30	1240592.30	2027321.68	PIEZOMETER
PZ-31	1239941.77	2024324.33	PIEZOMETER
PZ-32D	1243211.88	2029886.45	PIEZOMETER
PZ-33D	1242211.76	2029886.78	PIEZOMETER
WAWM-1	1241843.86	2029944.63	ASSESSMENT
WAWM-2	1241547.56	2029896.27	ASSESSMENT
WGWA-1	1250656.10	2035807.21	UPGRADIENT
WGWA-2	1251556.40	2035809.11	UPGRADIENT
WGWA-3	1240848.21	2023250.10	UPGRADIENT
WGWA-4	1240879.58	2023339.66	UPGRADIENT
WGWA-5	1241997.94	2023368.85	PIEZOMETER
WGWA-6	1241932.02	2023305.59	UPGRADIENT
WGWA-7	1243338.03	2029533.71	UPGRADIENT
WGWA-8	1244992.58	2025807.71	UPGRADIENT
WGWC-8 (NOTE 6)	1242929.40	2029444.58	PIEZOMETER
WGWC-8A (NOTE 6)	1243113.88	2029523.99	DOWNGRADIENT
WGWC-9	1242801.12	2029115.75	DOWNGRADIENT
WGWC-10	1240971.98	2026725.61	DOWNGRADIENT
WGWC-11	1240880.18	2025773.39	DOWNGRADIENT
WGWC-12	1240827.68	2025755.99	DOWNGRADIENT
WGWC-13	1245610.93	2024589.31	DOWNGRADIENT
WGWC-14	1240211.86	2024464.62	PIEZOMETER
WGWC-14A	1240204.54	2024599.63	DOWNGRADIENT
WGWC-15	1240483.16	2023912.62	DOWNGRADIENT
WGWC-16	1240480.46	2023903.77	DOWNGRADIENT
WGWC-17	1240052.06	2022632.82	DOWNGRADIENT
WGWC-19	1241851.51	2029849.19	DOWNGRADIENT
WGWC-20	1243350.76	2029769.43	DOWNGRADIENT
WGWC-21	1242139.33	2028512.65	DOWNGRADIENT
WGWC-22	1242095.26	2028116.05	DOWNGRADIENT
WGWC-23	1242789.78	2027414.58	DOWNGRADIENT
WGWC-24	1239916.68	2024139.82	DOWNGRADIENT
WGWC-25	1240184.18	2023816.69	DOWNGRADIENT
WGWC-26D	1243343.66	2029758.85	PIEZOMETER
WGWC-27	1243215.51	2029878.82	ASSESSMENT
WGWC-28D	1243337.13	2029751.04	ASSESSMENT
WGWC-30 (NOTE 4)	1240032.73	2022824.29	DOWNGRADIENT
WGWC-30 (NOTE 4)	1240311.55	2027168.07	DOWNGRADIENT
WGWC-31S (NOTE 4)	1240831.98	2027173.44	DOWNGRADIENT
WGWC-32 (NOTE 4)	1241721.24	2028131.52	DOWNGRADIENT
WGWC-33 (NOTE 4)	1242764.83	2029104.26	DOWNGRADIENT
WGWC-34D (NOTE 4)	1243003.30	2028222.22	DOWNGRADIENT
WGWC-34S (NOTE 4)	1243294.99	2027830.72	DOWNGRADIENT
WGWC-35D (NOTE 4)	1244985.87	2028140.13	DOWNGRADIENT
WGWC-35S (NOTE 4)	1244973.26	2028152.75	DOWNGRADIENT
WGWC-36D (NOTE 4)	1244524.68	2028595.96	DOWNGRADIENT
WGWC-36S (NOTE 4)	1244517.48	2028601.76	DOWNGRADIENT
WGWC-37D (NOTE 5)	1244204.90	2028632.29	DOWNGRADIENT
WGWC-37S (NOTE 5)	1244317.13	2028539.68	DOWNGRADIENT
WGWC-38D (NOTE 4)	1243855.62	2029276.99	DOWNGRADIENT
WGWC-38S (NOTE 4)	1243844.64	2029287.40	DOWNGRADIENT
WGWC-39 (NOTE 5)	1244057.61	2025105.38	DOWNGRADIENT
WGWC-40 (NOTE 5)	1240837.98	2026731.01	DOWNGRADIENT
WGWC-41 (NOTE 5)	1242058.41	2028554.29	DOWNGRADIENT
WGWC-42 (NOTE 7)	1243496.86	2030132.73	ASSESSMENT
WGWC-42A (NOTE 7)	1243516.05	2030135.43	ASSESSMENT



- NOTES:
- SEE DRAWING 02 FOR LEGENDS, ABBREVIATIONS, AND GENERAL SITE NOTES.
 - PIEZOMETER LOCATIONS ARE FOR GROUNDWATER LEVEL MEASUREMENTS ONLY.
 - PZ-11, PZ-13, AND PZ-21 HAVE BEEN ABANDONED.
 - WGWC-8, WGWC-31S/D, WGWC-32, WGWC-33, WGWC-34S/D, WGWC-35S/D, WGWC-36S/D, AND WGWC-38S/D WERE INSTALLED BETWEEN DECEMBER 2024 AND MAY 2025.
 - FIVE PIEZOMETERS WERE RECLASSIFIED AS DETECTION MONITORING WELLS AND INCORPORATED INTO THE DETECTION MONITORING NETWORK INCLUDING WGWC-41 (PZ-01), WGWC-40 (PZ-12), WGWC-39 (PZ-15), WGWC-37S (PZ-26S), AND WGWC-37D (PZ-26D) IN FEBRUARY 2025. WGWC-42 (PZ-20) WAS CHANGED TO AN ASSESSMENT MONITORING WELL IN FEBRUARY 2026.
 - WGWC-4 WAS RECLASSIFIED TO A PIEZOMETER FOLLOWING ITS REPLACEMENT WITH WGWC-8A.
 - WGWC-42 WAS CONVERTED TO AN ASSESSMENT WELL IN JANUARY 2026 AND SUBSEQUENTLY ABANDONED IN FEBRUARY 2026. THE WELL WILL BE REPLACED BY WGWC-42A PRIOR TO THE NEXT SAMPLING EVENT.



REV	DATE	DESCRIPTION	DRN	APP
3	01.23.26	MINOR PERMIT MOD 3 - REVISION TO GW NETWORK	WSA	JMG
2	11.10.25	MINOR PERMIT MOD 2 - REVISION TO APC DESIGN	WSA	JMG
1	07.29.25	MINOR PERMIT MOD 1 - REVISION TO AP-1 PERMIT BOUNDARY	WSA	JMG
0	02.26.25	GA EPD CCR PERMIT DRAINAGE	DLJ	JMG

01 TABLE
04 GROUNDWATER MONITORING WELL LOCATIONS

SITE GROUNDWATER MONITORING PLAN

PLANT WASTEWASH ASH POND CLOSURE BY REMOVAL
HEARD AND CARROLL COUNTIES, GEORGIA

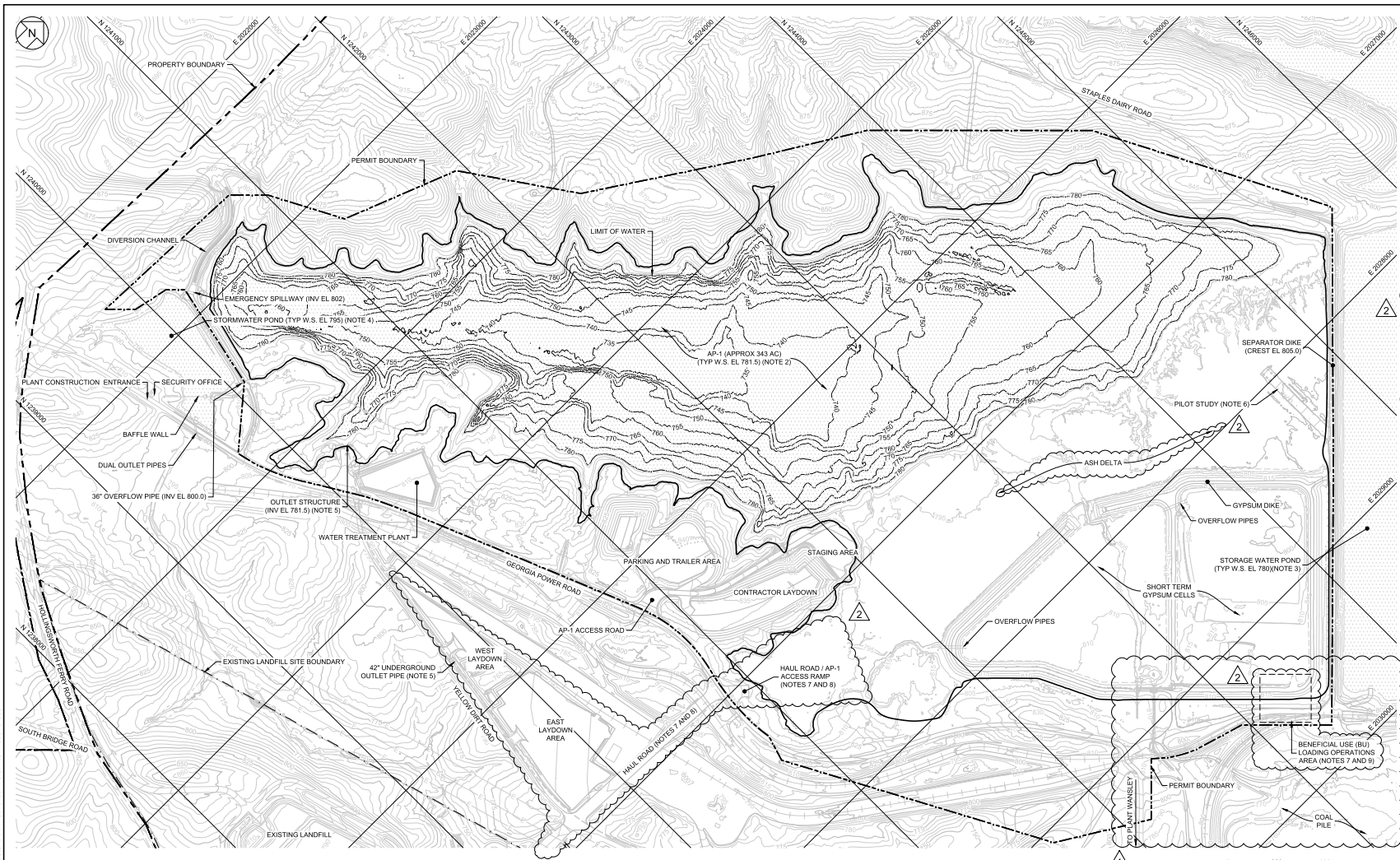
Geosyntec consultants

Georgia Power

1505 ROBERTS BOULEVARD, NW, SUITE 300
KENNESAW, GEORGIA 30144 USA
PHONE: 678.202.9900
WWW.GEOSYNTEC.COM

PROJ. NO.	GW9155	DWG.	GW7306-13-004	EDIT	3/11/26
SCALE	AS SHOWN	DRAWING 04 OF 22			
DATE	MARCH 2026				

C:\BEGA\CD\CD\GSGEN\INT\CCP\PLANT WASTEWASH\PROJECT FILE\CD\DWG\13\GW7306\13-004



- NOTES:
- SEE DRAWING 02 FOR LEGENDS, ABBREVIATIONS, AND GENERAL SITE NOTES.
 - ACREAGE PRESENTED WITHIN AP-1 REPRESENTS THE AREA WITHIN THE LIMIT OF EXISTING CCR.
 - WATER WITHIN THE STORAGE WATER POND IS NON-CONTACT WATER.
 - WATER WITHIN THE STORMWATER POND TO THE WEST OF AP-1 IS NON-CONTACT WATER. THIS POND IS FED AND DISCHARGES SURFACE WATER FROM OFFSITE.
 - CONCRETE OUTLET STRUCTURE CONTAINS ORIFICES CONTROLLED BY SLUICE GATES, WHICH WILL BE CLOSED DURING AP-1 CLOSURE CONSTRUCTION. IN ACCORDANCE WITH THE GA EPD APPROVED ASH POND DEWATERING PERMIT, DISCHARGES FROM AP-1 DURING CONSTRUCTION WILL BE ROUTED THROUGH THE WATER TREATMENT PLANT AND THEN CONVEYED BY THE 42-INCH PIPE TO THE PLANT PRIOR TO DISCHARGE INTO THE STORMWATER RETENTION POND. THE STORMWATER RETENTION POND IS SAMPLED IN ACCORDANCE WITH THE NPDES PERMIT (GA0028778) AND DISCHARGED THROUGH PERMITTED OUTFALL 01 TO THE CHATTAHOOCHEE RIVER.
 - PILOT STUDY AREA INCLUDES COR THAT WAS PREVIOUSLY STABILIZED WITH PORTLAND CEMENT AS WELL AS GAB. BOTH WILL BE REMOVED DURING CONSTRUCTION.
 - LOCATIONS AND GRADES FOR THE BU LOADING AREA, HAUL ROAD, WEST LAYDOWN AREA, AND EAST LAYDOWN AREA ARE BASED ON DESIGN DRAWINGS ISSUED BY GEOSYNTEC IN JUNE 2024. CONSTRUCTION OF THE BENEFICIAL USE LOADING OPERATIONS AREA IS COMPLETE, AND CONSTRUCTION IS IN PROGRESS FOR THE OTHER FEATURES AS OF AUGUST 2025.
 - CONTRACTOR WILL UTILIZE THE HAUL ROAD AND MAINTAIN AN ACCESS RAMP INTO AP-1 TO ALLOW FOR THE TRANSPORTATION OF MATERIALS REMOVED FROM AP-1 (I.E. GYPSUM AND COR PLUS AN ADDITIONAL 6 INCHES OF SOIL) TO THE GA EPD APPROVED ONSITE CCR LANDFILL OR OTHER SOLID WASTE FACILITIES APPROVED TO ACCEPT CCR.
 - CONTRACTOR WILL MAINTAIN AN ACCESS RAMP WITHIN THE SHORT TERM GYPSUM CELLS AREA AS NEEDED TO ALLOW FOR MATERIALS REMOVED FROM AP-1 TO BE DIVERTED FOR BENEFICIAL USE AND TRANSPORTED OFFSITE.



SCALE IN FEET
0 300 600

2	11.10.25	MINOR PERMIT MOD 2 - REVISION TO AP-1 DESIGN	WSA	JMG
1	07.03.25	MINOR PERMIT MOD 1 - REVISION TO AP-1 PERMIT BOUNDARY	WSA	JMG
0	02.06.25	GA EPD CCR PERMIT DRAWINGS	BLJ	JMG
REV	DATE	DESCRIPTION	DRN	APP

EXISTING SITE CONDITIONS - TOPOGRAPHY AND AP-1 BATHYMETRY

PLANT WANSLEY ASH POND CLOSURE BY REMOVAL
HEARD AND CARROLL COUNTIES, GEORGIA



1265 ROBERTS BOWL EVARD, NW, SUITE 300, PHENIX, GEORGIA 30144 USA
PHONE: 678.202.9900
WWW.GEOSYNTEC.COM

PROJ. NO. GW9155 DWG. GW7306-13-C05 EDIT 11/10/25
SCALE AS SHOWN DATE NOVEMBER 2025

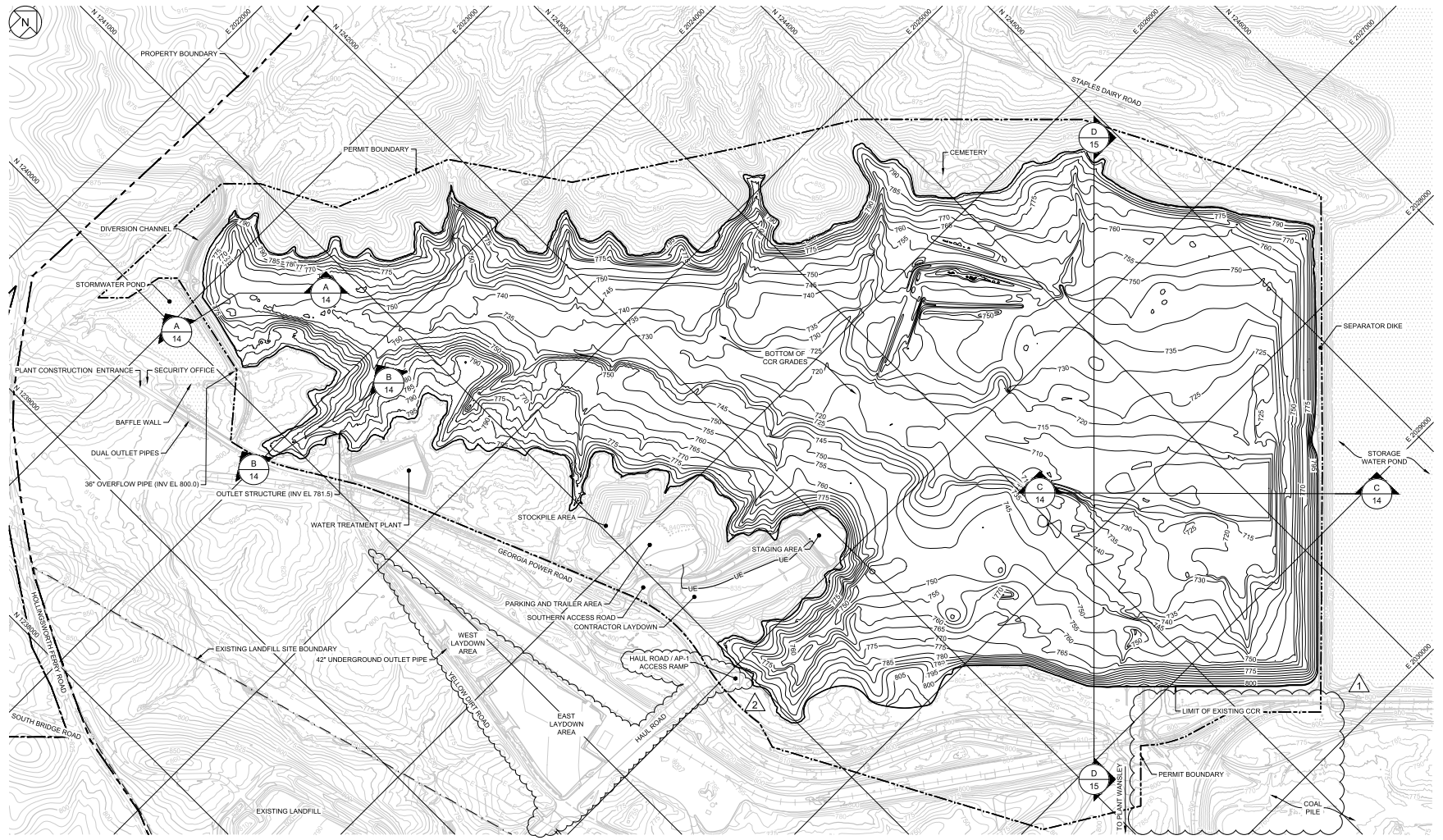
Digitally signed by
Jeremy Gasser
Date: 2025.11.10
15:41:42 -0600



- ① REVISED AP-1 PERMIT BOUNDARY
- ② ADJUSTED EXISTING SITE FEATURES AND TOPOGRAPHY TO REFLECT CONDITIONS AS OF SEPTEMBER 2025 (I.E. CONSTRUCTION OF HAUL ROAD, LAYDOWN AREAS, AND BU LOADING AREA)

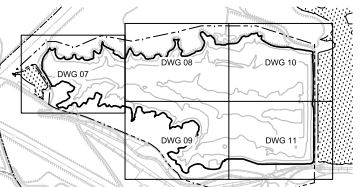
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C:\BEO\ACCD\06\GEGEN\TEC\SPD\ANT\WANSLEY\PROJECT FILES\CAD\DWG\13\13DWG06P13-0250_13-025



NOTES:

1. PRESENTED IN THIS PLAN VIEW IS THE BOTTOM OF CCR SURFACE WITHIN AP-1 ADDITIONAL 8-INCHES OF REMOVAL NOT SHOWN FOR CLARITY.
2. LATERAL AND VERTICAL LIMIT OF THE BOTTOM OF CCR IS APPROXIMATE AND IS TO BE FIELD VERIFIED DURING CONSTRUCTION.
3. BULK OF CCR REMOVAL MAY BE ACHIEVED BY CONTRACTOR MEANS AND METHODS (E.G. CONVENTIONAL EXCAVATION OR DREDGING). FINAL REMOVAL OF CCR AND VERIFICATION OF REMOVAL WILL BE COMPLETED IN THE DRY VIA CONVENTIONAL EXCAVATION.
4. GRADING REQUIREMENTS FOR INTERIM CUT SLOPES TO MAINTAIN STABILITY OF CCR DURING CONSTRUCTION WILL BE ESTABLISHED AS PART OF THE DETAILED DESIGN AND CONTRACTOR WORK PLANS.
5. CCR VERIFICATION OF REMOVAL WILL BE COMPLETED BY THE COA CONSULTANT ON A 100-FT BY 100-FT GRID SYSTEM. FOLLOWING VERIFICATION OF CCR REMOVAL THE CONTRACTOR WILL REMOVE 8-INCHES OF NATIVE SOIL AND COA CONSULTANT WILL AGAIN COMPLETE THE VERIFICATION PROCESS TO CERTIFY CCR REMOVAL.
6. 100-FT BY 100-FT GRID SYSTEM IS NOT SHOWN ON THIS DRAWING FOR CLARITY. SEE DRAWINGS 07 THROUGH 11.



KEYMAP



Digitally signed by *Jeremy Gasser*
 Date: 2025.11.10 15:42:29 -06'00'



- 1. REVISED AP-1 PERMIT BOUNDARY
- 2. ADJUSTED EXISTING SITE FEATURES AND TOPOGRAPHY TO REFLECT CONDITIONS AS OF SEPTEMBER 2025 (I.E. CONSTRUCTION OF HAUL ROAD AND LAYDOWN AREAS)

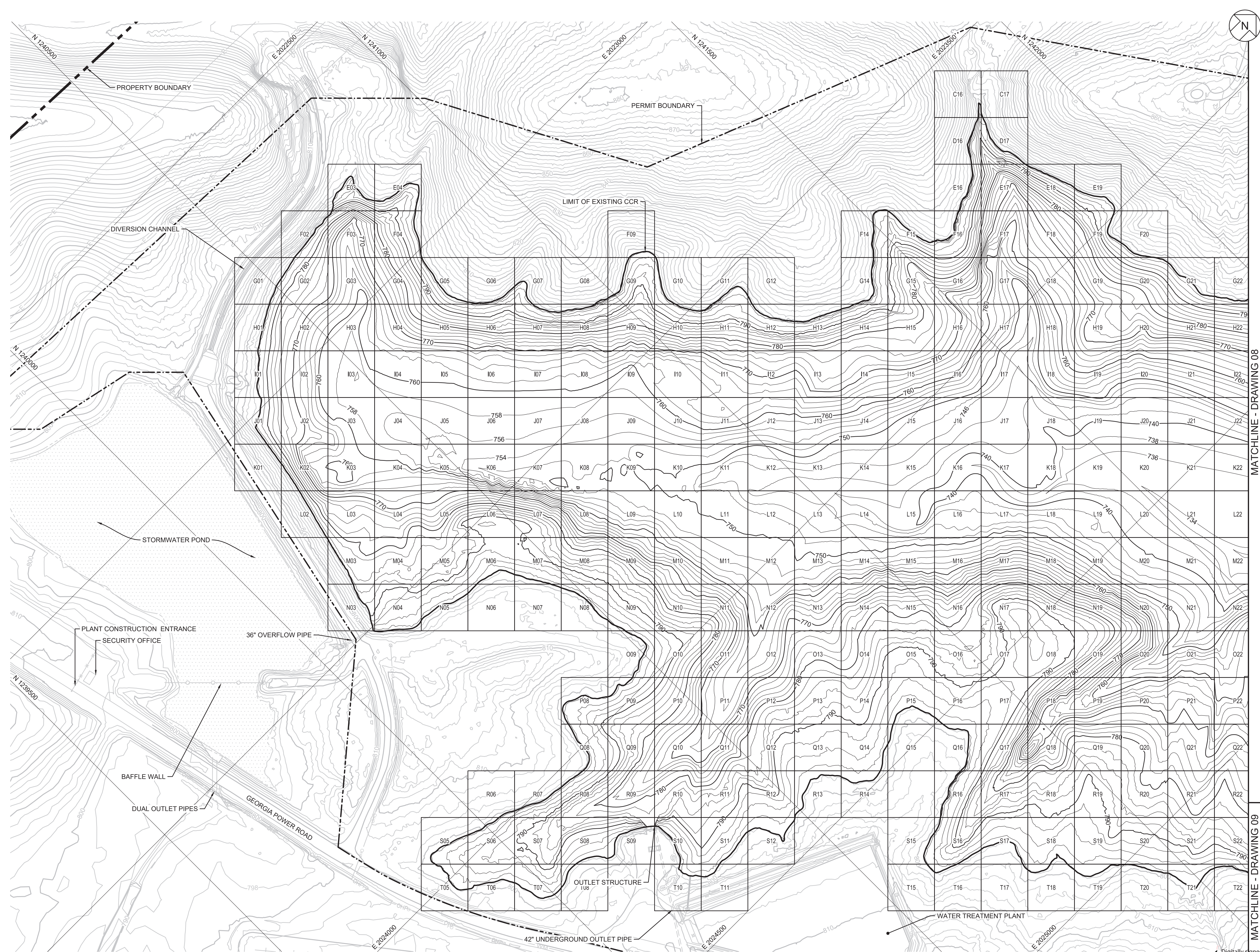
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1	07.09.25	MINOR PERMIT MOD 1 - REVISION TO AP-1 PERMIT BOUNDARY	WSA	JMG
0	09.06.25	GA EPD CCR PERMIT DRAWINGS	DLJ	JMG
REV	DATE	DESCRIPTION	DRN	APP

CCR REMOVAL PLAN - OVERVIEW

PLANT WANSLEY ASH POND CLOSURE BY REMOVAL
 HEARD AND CARROLL COUNTIES, GEORGIA

1305 ROBERTS BOULEVARD, NW, SUITE 300 KENNESAW, GEORGIA 30144 USA PHONE: 678.202.9900 WWW.GEOSYNTEC.COM		PROJECT NO. GW9155 SCALE AS SHOWN DATE NOVEMBER 2025
DWG. GW7306-13-C06		EDIT 11/10/25 DRAWING 06 OF 22

C:_GEO-ACC\DCS\GEO\SYNTEC\SOI\PLANT WANSLEY\PROJECT FILES\CADD\WANSLEY\01\DWG\SH\TGW7306.13-C07



- NOTES:
1. PRESENTED IN THIS PLAN VIEW IS THE BOTTOM OF CCR SURFACE WITHIN AP-1. ADDITIONAL 6-INCHES OF REMOVAL NOT SHOWN FOR CLARITY.
 2. LATERAL AND VERTICAL LIMIT OF THE BOTTOM OF CCR IS APPROXIMATE AND IS TO BE FIELD VERIFIED DURING CONSTRUCTION.
 3. BULK OF CCR REMOVAL MAY BE ACHIEVED BY CONTRACTOR MEANS AND METHODS (E.G., CONVENTIONAL EXCAVATION OR DREDGING). FINAL REMOVAL OF CCR AND VERIFICATION OF REMOVAL WILL BE COMPLETED IN THE DRY VIA CONVENTIONAL EXCAVATION.
 4. GRADING REQUIREMENTS FOR INTERIM CUT SLOPES TO MAINTAIN STABILITY OF CCR DURING CONSTRUCTION WILL BE ESTABLISHED AS PART OF THE DETAILED DESIGN AND CONTRACTOR WORK PLANS.
 5. CCR VERIFICATION OF REMOVAL WILL BE COMPLETED BY THE COA CONSULTANT ON A 100-FT BY 100-FT GRID SYSTEM. FOLLOWING VERIFICATION OF CCR REMOVAL, THE CONTRACTOR WILL REMOVE 6-INCHES OF NATIVE SOIL AND COA CONSULTANT WILL AGAIN COMPLETE THE VERIFICATION PROCESS TO CERTIFY CCR REMOVAL.

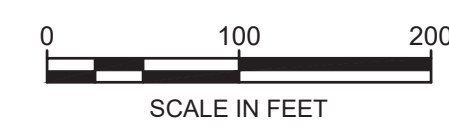
MATCHLINE - DRAWING 08

MATCHLINE - DRAWING 09

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REV	DATE	DESCRIPTION	DRN	APP

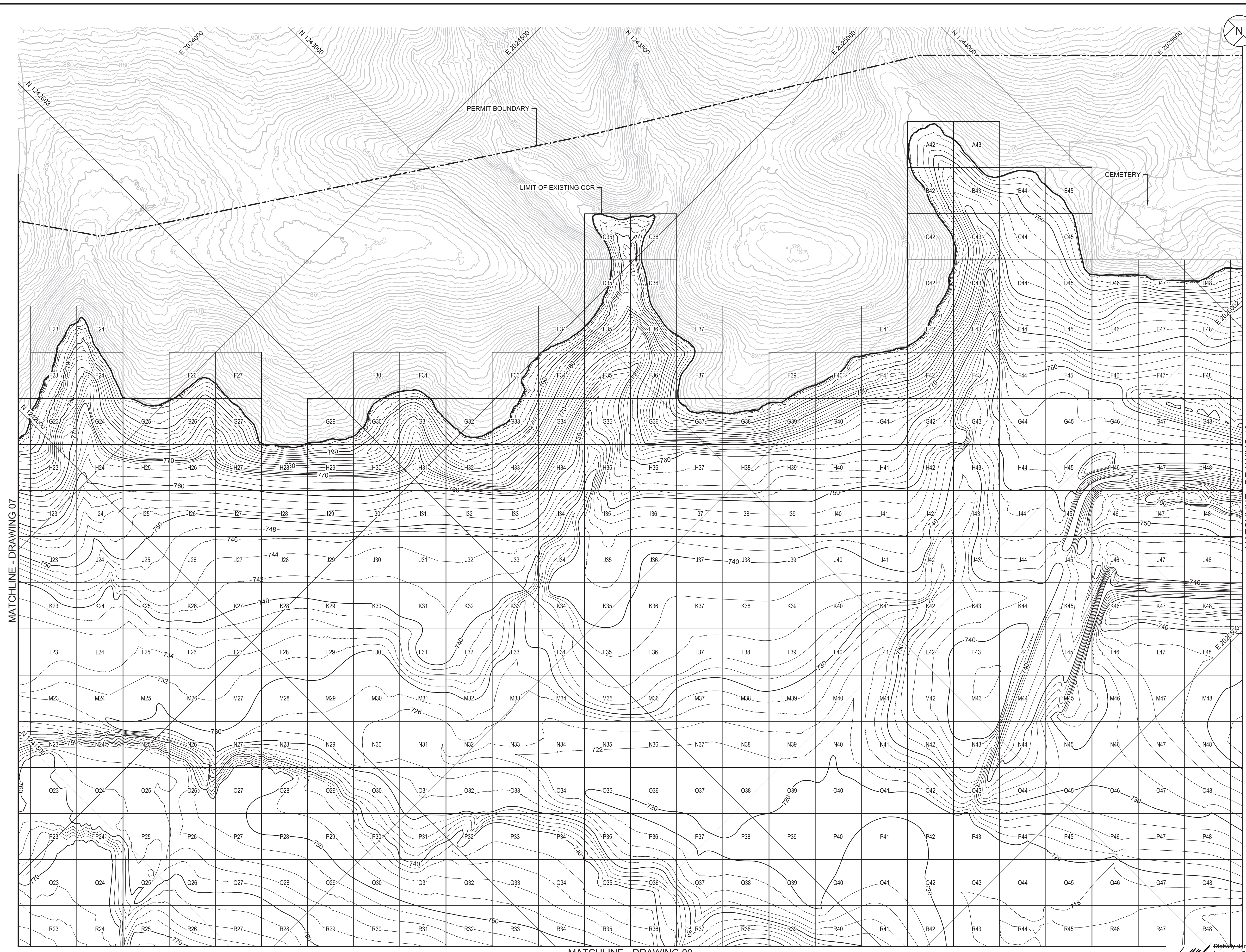
CCR REMOVAL PLAN - I

PLANT WANSLEY ASH POND CLOSURE BY REMOVAL
HEARD AND CARROLL COUNTIES, GEORGIA



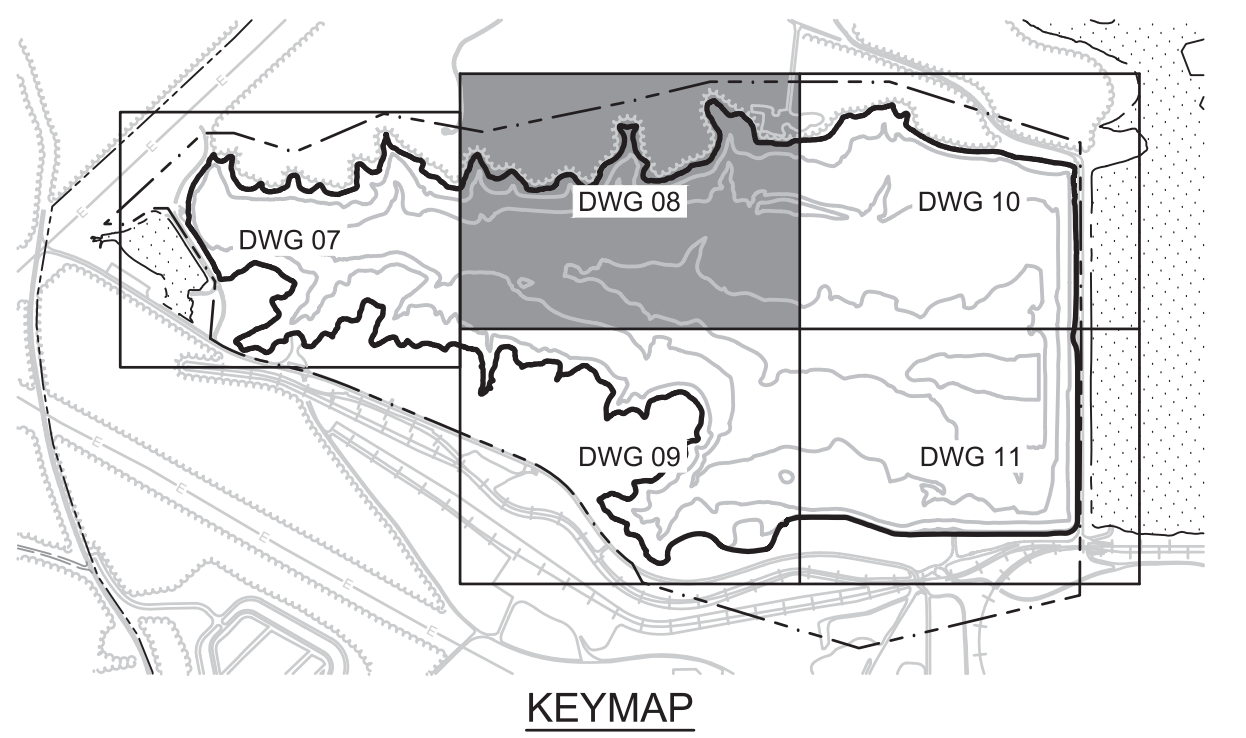
1255 ROBERTS BOULEVARD, NW, SUITE 200 KENNESAW, GEORGIA 30144 USA		PHONE: 678.202.8500 WWW.GEOSYNTEC.COM	
PROJ. NO.	GW9155	DWG.	GW7306.13-C07
SCALE	AS SHOWN	EDIT	5/2/24
DATE	FEBRUARY 2025	DRAWING 07 OF 22	

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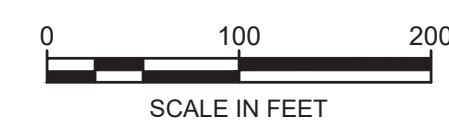


NOTES:

1. PRESENTED IN THIS PLAN VIEW IS THE BOTTOM OF CCR SURFACE WITHIN AP-1. ADDITIONAL 6-INCHES OF REMOVAL NOT SHOWN FOR CLARITY.
2. LATERAL AND VERTICAL LIMIT OF THE BOTTOM OF CCR IS APPROXIMATE AND IS TO BE FIELD VERIFIED DURING CONSTRUCTION.
3. BULK OF CCR REMOVAL MAY BE ACHIEVED BY CONTRACTOR MEANS AND METHODS (E.G., CONVENTIONAL EXCAVATION OR DREDGING). FINAL REMOVAL OF CCR AND VERIFICATION OF REMOVAL WILL BE COMPLETED IN THE DRY VIA CONVENTIONAL EXCAVATION.
4. GRADING REQUIREMENTS FOR INTERIM CUT SLOPES TO MAINTAIN STABILITY OF CCR DURING CONSTRUCTION WILL BE ESTABLISHED AS PART OF THE DETAILED DESIGN AND CONTRACTOR WORK PLANS.
5. CCR VERIFICATION OF REMOVAL WILL BE COMPLETED BY THE COA CONSULTANT ON A 100-FT BY 100-FT GRID SYSTEM. FOLLOWING VERIFICATION OF CCR REMOVAL, THE CONTRACTOR WILL REMOVE 6-INCHES OF NATIVE SOIL AND COA CONSULTANT WILL AGAIN COMPLETE THE VERIFICATION PROCESS TO CERTIFY CCR REMOVAL.

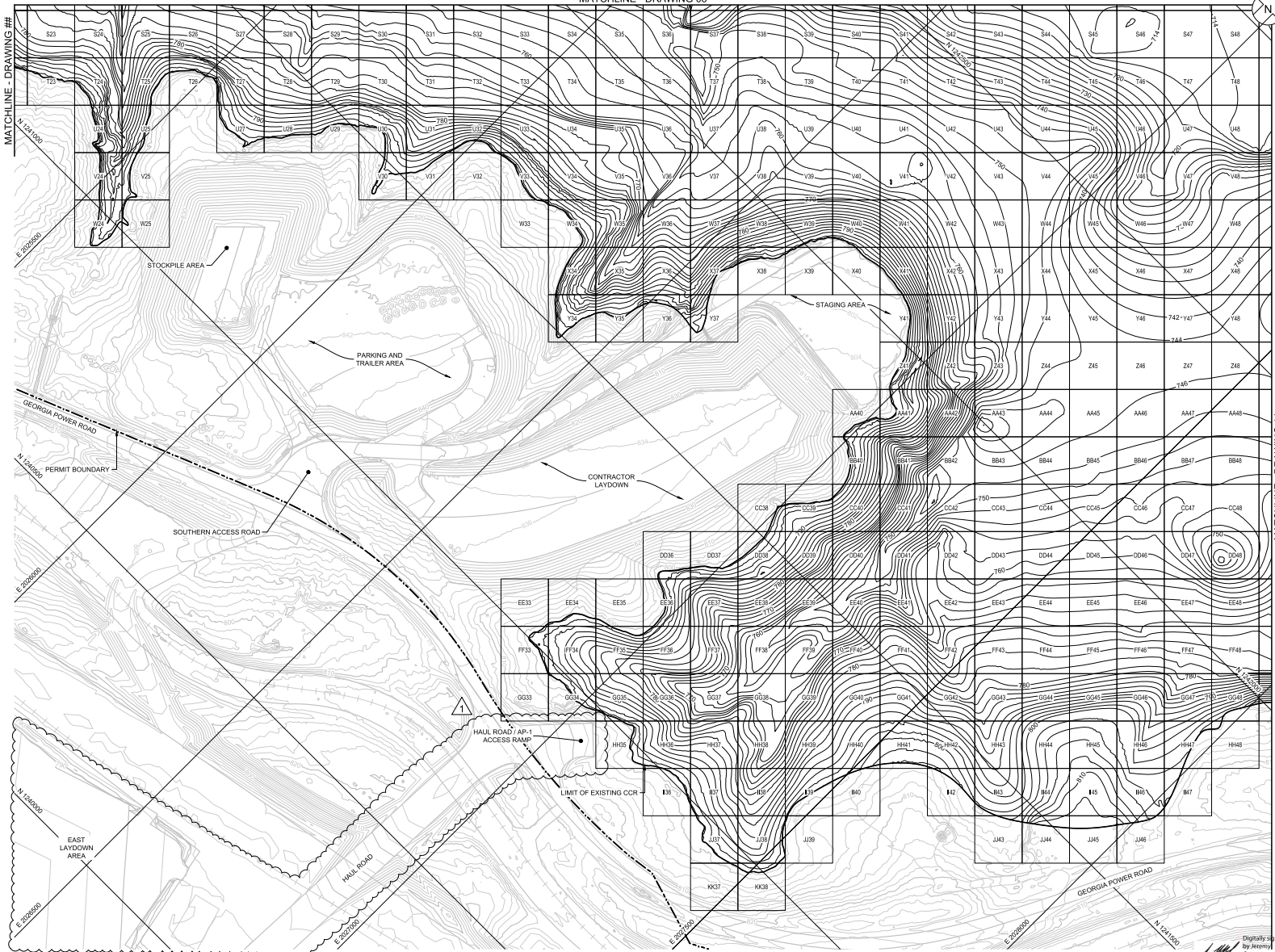


MATCHLINE - DRAWING 09

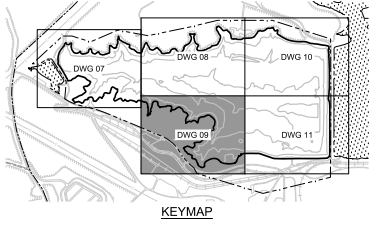


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REV	DATE	DESCRIPTION	DRN	APP	
CCR REMOVAL PLAN - II					
PLANT WANSLEY ASH POND CLOSURE BY REMOVAL HEARD AND CARROLL COUNTIES, GEORGIA					
Geosyntec consultants		Georgia Power			
1255 ROBERTS BOULEVARD, NW, SUITE 200 KENNESAW, GEORGIA 30144 USA		PHONE: 678.202.8500 WWW.GEOSYNTEC.COM			
PROJ. NO.	GW9155	DWG.	GW7306.13-C08	EDIT	5/2/24
SCALE	AS SHOWN				
DATE	FEBRUARY 2025				
DRAWING 08 OF 22					

MATCHLINE - DRAWING 08



- NOTES:
- PRESENTED IN THIS PLAN VIEW IS THE BOTTOM OF CCR SURFACE WITHIN AP-1. ADDITIONAL 6-INCHES OF REMOVAL NOT SHOWN FOR CLARITY.
 - LATERAL AND VERTICAL LIMIT OF THE BOTTOM OF CCR IS APPROXIMATE AND IS TO BE FIELD VERIFIED DURING CONSTRUCTION.
 - BULK OF CCR REMOVAL MAY BE ACHIEVED BY CONTRACTOR MEANS AND METHODS (E.G., CONVENTIONAL EXCAVATION OR DREDGING). FINAL REMOVAL OF CCR AND VERIFICATION OF REMOVAL WILL BE COMPLETED IN THE DRY VIA CONVENTIONAL EXCAVATION.
 - GRADING REQUIREMENTS FOR INTERIM CUT SLOPES TO MAINTAIN STABILITY OF CCR REMOVAL, THE CONTRACTOR WILL REMOVE INCHES OF NATIVE SOIL, AND CQA CONSULTANT WILL AGAIN COMPLETE THE VERIFICATION PROCESS TO CERTIFY CCR REMOVAL.
 - CCR VERIFICATION OF REMOVAL WILL BE COMPLETED BY THE CQA CONSULTANT ON A 100-FT BY 100-FT GRID SYSTEM FOLLOWING VERIFICATION OF CCR REMOVAL. THE CONTRACTOR WILL REMOVE INCHES OF NATIVE SOIL, AND CQA CONSULTANT WILL AGAIN COMPLETE THE VERIFICATION PROCESS TO CERTIFY CCR REMOVAL.
 - GRID Y37 WAS CERTIFIED FOR CCR REMOVAL DURING EARLY SITE WORK CONSTRUCTION IN 2021. SEE GEOSYNTEC'S CCR REMOVAL CERTIFICATION REPORT DATED 16 JULY 2021 FOR DETAILS.



ADJUSTED EXISTING SITE FEATURES AND TOPOGRAPHY TO REFLECT CONDITIONS AS OF SEPTEMBER 2025 (I.E., CONSTRUCTION OF HAUL ROAD AND LAYDOWN AREAS)



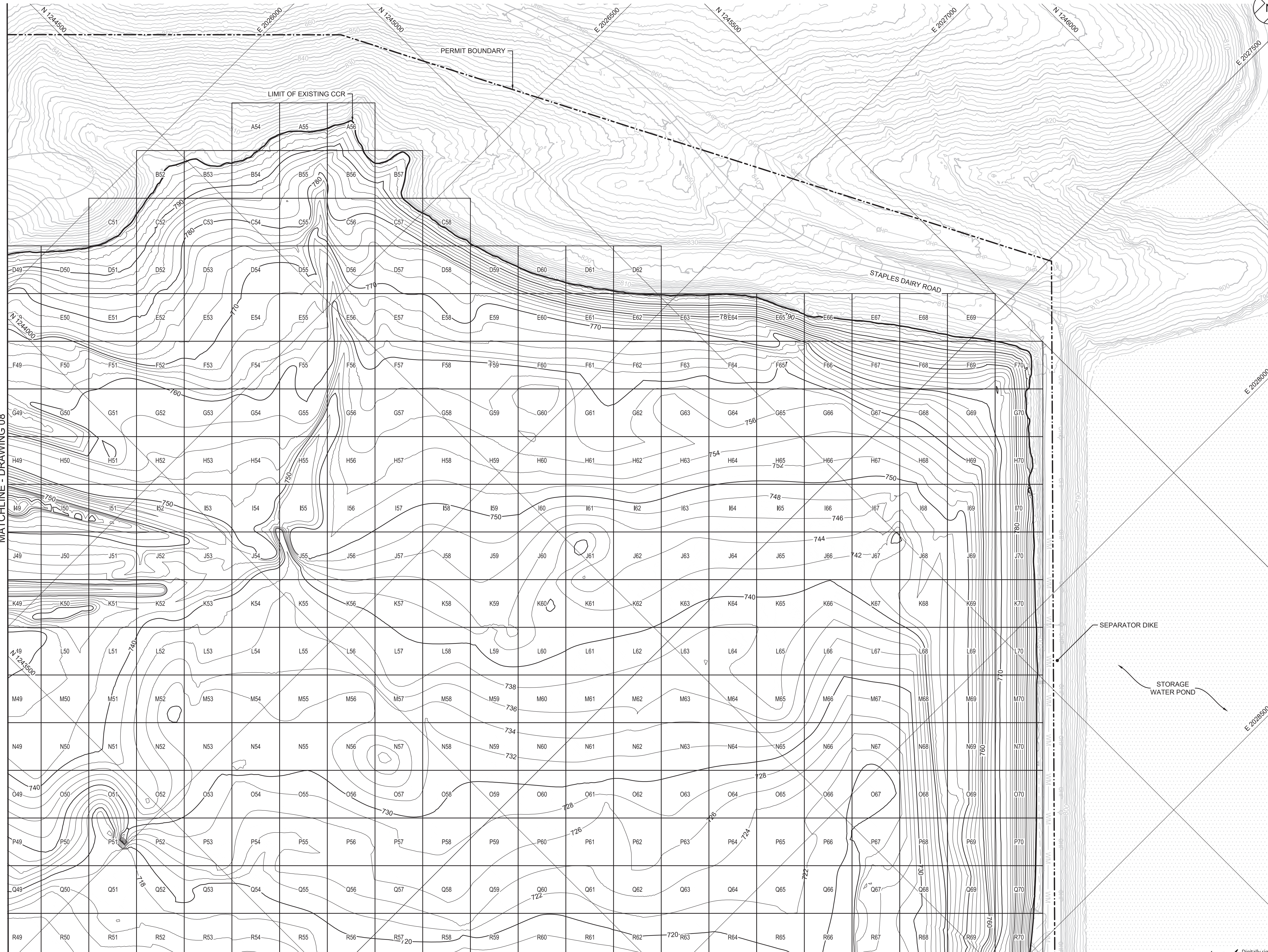
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0	02/06/25	GA EPD CCR PERMIT DRAWINGS	ELJ	JMG	
REV	DATE	DESCRIPTION	DRN	APP	
CCR REMOVAL PLAN - III					
PLANT WANSLEY ASH POND CLOSURE BY REMOVAL HEARD AND CARROLL COUNTIES, GEORGIA					
Geosyntec CONSULTANTS		Georgia Power			
1205 ROBERTS BOULEVARD, NW, SUITE 200 KENNESAW, GEORGIA 30144 USA		PHONE: 678.202.9900 WWW.GEOSYNTEC.COM			
PROJ. NO.	GW9155	DWG.	GW7306-13-C09	EDIT	11/10/25
SCALE	AS SHOWN		DRAWING		09 OF 22
DATE	NOVEMBER 2025				

C:\BEO\ACCD\CCS\GEOSYNTEC-SP\PLANT WANSLEY\PROJECT FILES\CAD\DWG\13\DWG\SP\GW7306_13-C09

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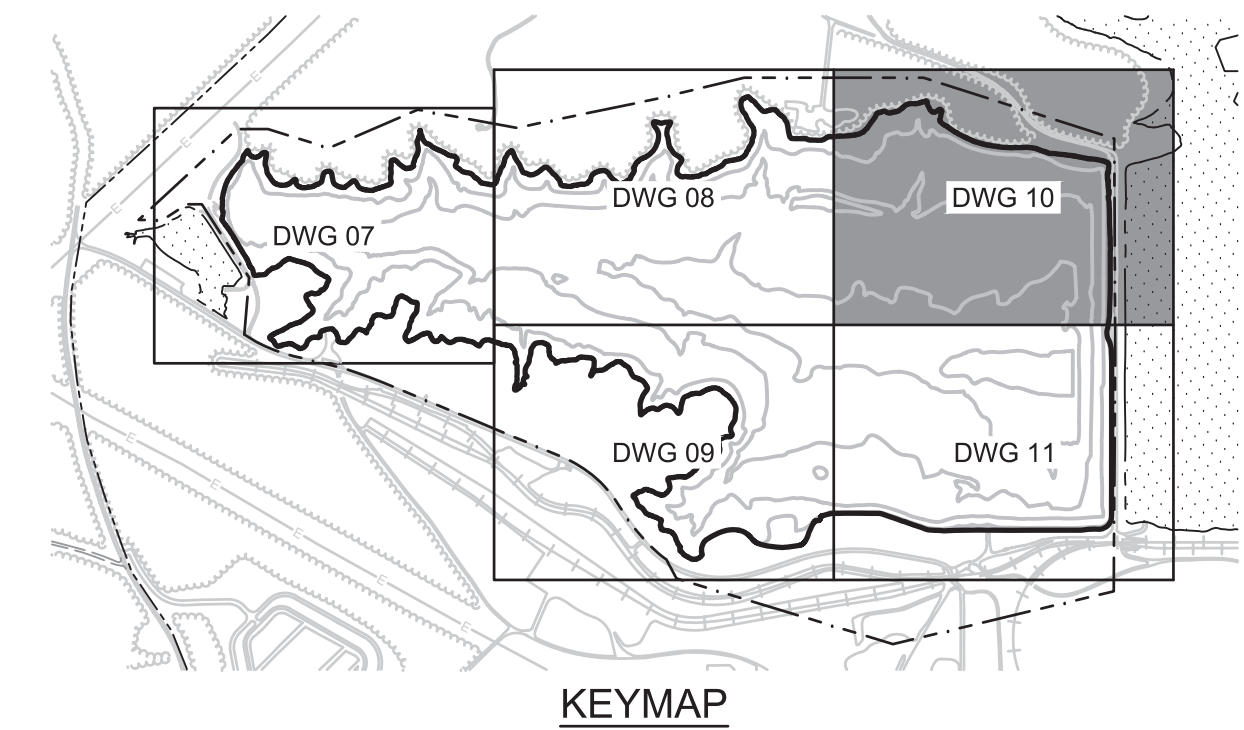
MATCHLINE - DRAWING 08

MATCHLINE - DRAWING 11



NOTES:

1. PRESENTED IN THIS PLAN VIEW IS THE BOTTOM OF CCR SURFACE WITHIN AP-1. ADDITIONAL 6-INCHES OF REMOVAL NOT SHOWN FOR CLARITY.
2. LATERAL AND VERTICAL LIMIT OF THE BOTTOM OF CCR IS APPROXIMATE AND IS TO BE FIELD VERIFIED DURING CONSTRUCTION.
3. BULK OF CCR REMOVAL MAY BE ACHIEVED BY CONTRACTOR MEANS AND METHODS (E.G. CONVENTIONAL EXCAVATION OR DREDGING). FINAL REMOVAL OF CCR AND VERIFICATION OF REMOVAL WILL BE COMPLETED IN THE DRY VIA CONVENTIONAL EXCAVATION.
4. GRADING REQUIREMENTS FOR INTERIM CUT SLOPES TO MAINTAIN STABILITY OF CCR DURING CONSTRUCTION WILL BE ESTABLISHED AS PART OF THE DETAILED DESIGN AND CONTRACTOR WORK PLANS.
5. CCR VERIFICATION OF REMOVAL WILL BE COMPLETED BY THE COA CONSULTANT ON A 100-FT BY 100-FT GRID SYSTEM. FOLLOWING VERIFICATION OF CCR REMOVAL, THE CONTRACTOR WILL REMOVE 6-INCHES OF NATIVE SOIL AND COA CONSULTANT WILL AGAIN COMPLETE THE VERIFICATION PROCESS TO CERTIFY CCR REMOVAL.



REV	DATE	DESCRIPTION	DRN	JMG
0	02.06.25	GA EPD CCR PERMIT DRAWINGS	DLJ	JMG

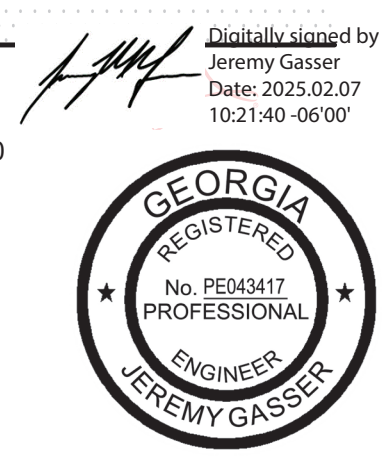
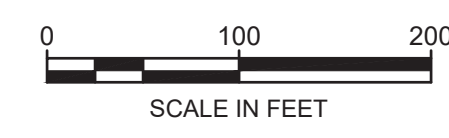
CCR REMOVAL PLAN - IV

PLANT WANSLEY ASH POND CLOSURE BY REMOVAL
HEARD AND CARROLL COUNTIES, GEORGIA

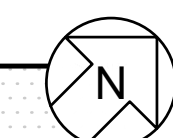
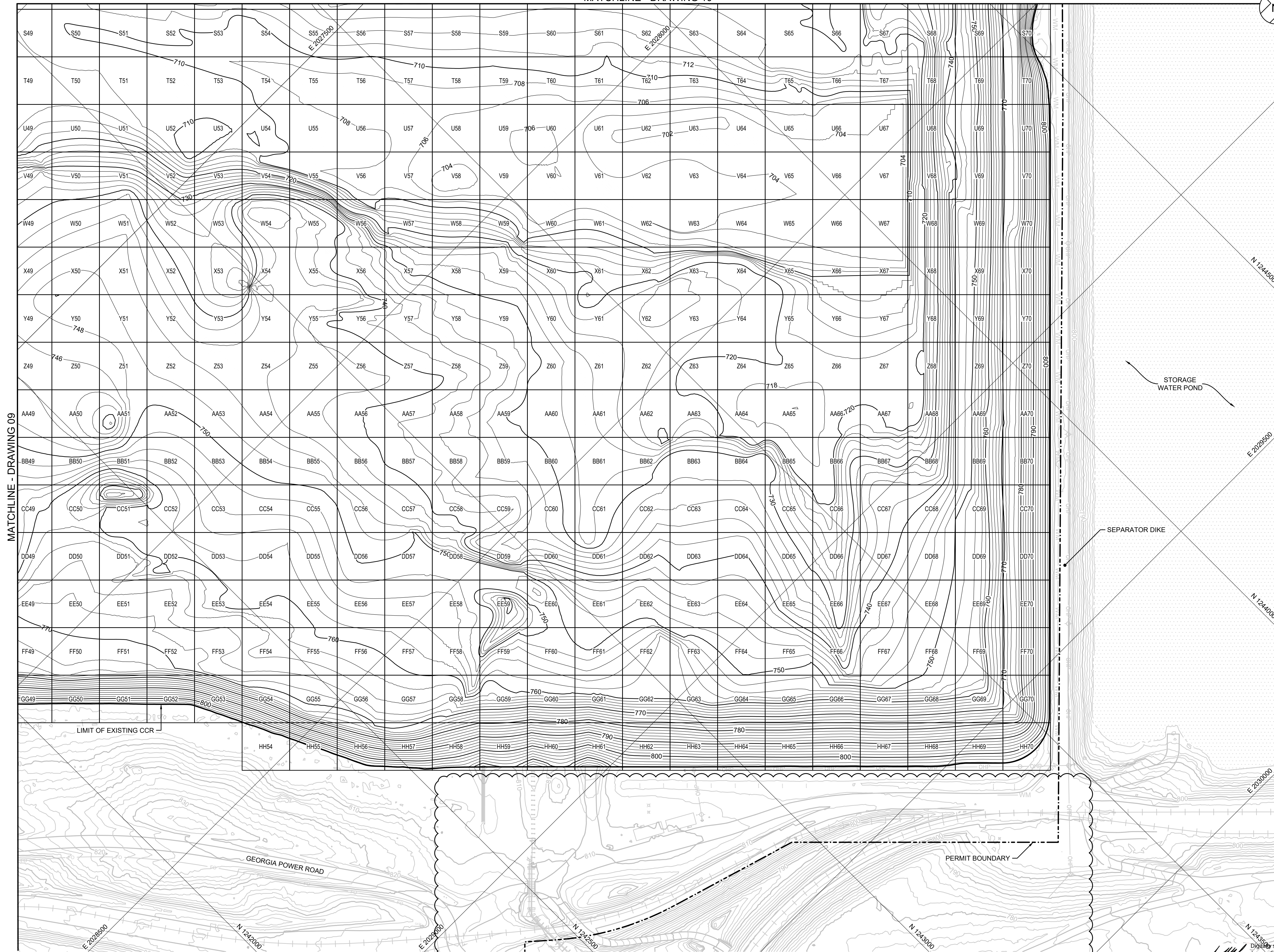
1255 ROBERTS BOULEVARD, NW, SUITE 200
KENNESAW, GEORGIA 30144 USA

PHONE: 678.202.8500
WWW.GEOSYNTEC.COM

PROJ. NO.	GW9155	DWG.	GW7306.13-C10	EDIT	5/2/24
SCALE	AS SHOWN		DRAWING 10 OF 22		
DATE	FEBRUARY 2025				

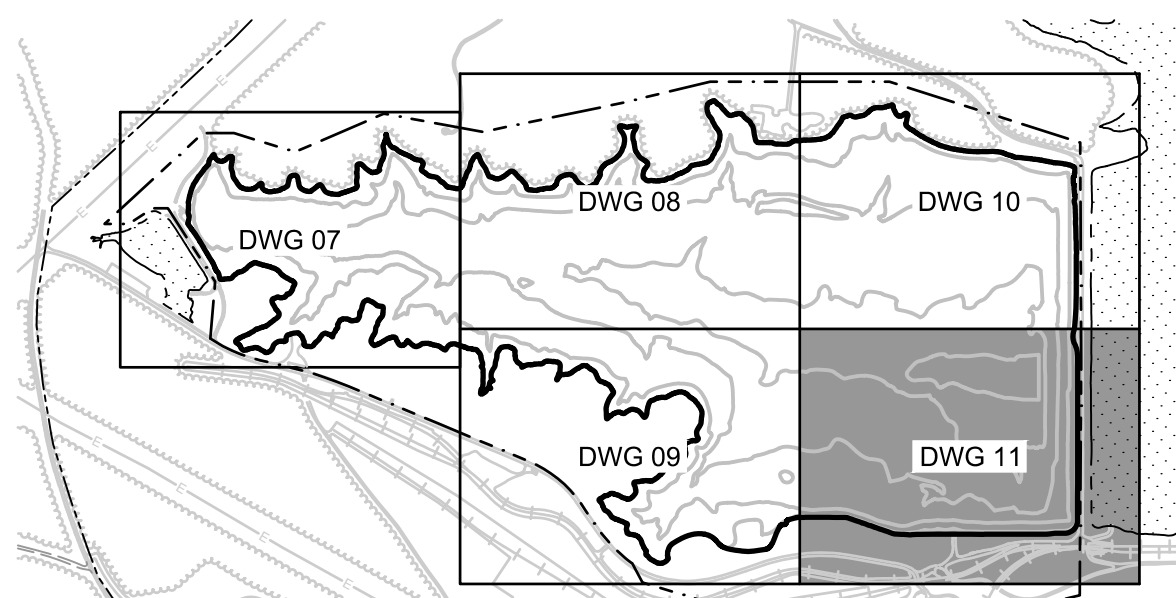


MATCHLINE - DRAWING 10



- NOTES:
1. PRESENTED IN THIS PLAN VIEW IS THE BOTTOM OF CCR SURFACE WITHIN AP-1. ADDITIONAL 6-INCHES OF REMOVAL NOT SHOWN FOR CLARITY.
 2. LATERAL AND VERTICAL LIMIT OF THE BOTTOM OF CCR IS APPROXIMATE AND IS TO BE FIELD VERIFIED DURING CONSTRUCTION.
 3. BULK OF CCR REMOVAL MAY BE ACHIEVED BY CONTRACTOR MEANS AND METHODS (E.G. CONVENTIONAL EXCAVATION OR DREDGING). FINAL REMOVAL OF CCR AND VERIFICATION OF REMOVAL WILL BE COMPLETED IN THE DRY VIA CONVENTIONAL EXCAVATION.
 4. GRADING REQUIREMENTS FOR INTERIM CUT SLOPES TO MAINTAIN STABILITY OF CCR DURING CONSTRUCTION WILL BE ESTABLISHED AS PART OF THE DETAILED DESIGN AND CONTRACTOR WORK PLANS.
 5. CCR VERIFICATION OF REMOVAL WILL BE COMPLETED BY THE COA CONSULTANT ON A 100-FT BY 100-FT GRID SYSTEM. FOLLOWING VERIFICATION OF CCR REMOVAL, THE CONTRACTOR WILL REMOVE 6-INCHES OF NATIVE SOIL AND COA CONSULTANT WILL AGAIN COMPLETE THE VERIFICATION PROCESS TO CERTIFY CCR REMOVAL.

MATCHLINE - DRAWING 09

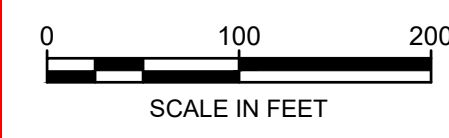


KEYMAP

REV	DATE	DESCRIPTION	DRN	APP
1	07.09.25	MINOR PERMIT MOD 1 - REVISION TO AP-1 PERMIT BOUNDARY	WSA	JMG
0	02.06.25	GA EPD CCR PERMIT DRAWINGS	DLJ	JMG

CCR REMOVAL PLAN - V

PLANT WANSLEY ASH POND CLOSURE BY REMOVAL
HEARD AND CARROLL COUNTIES, GEORGIA



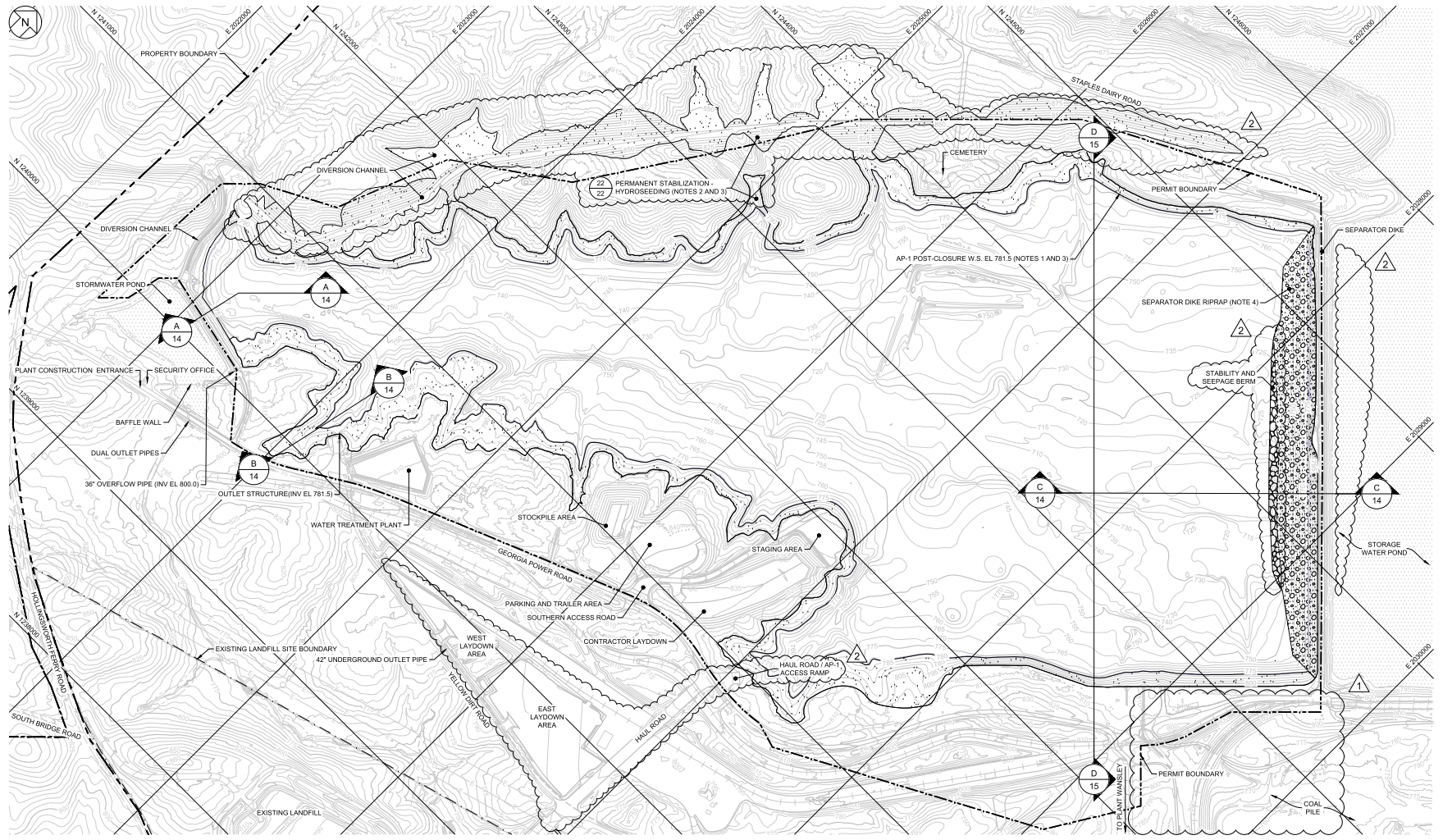
1255 ROBERTS BOULEVARD, NW, SUITE 200
KENNESAW, GEORGIA 30144 USA
PHONE: 678.202.8500
WWW.GEOSYNTEC.COM

PROJ. NO.	GW9155	DWG.	GW7306.13-C11	EDIT	7/9/25
SCALE	AS SHOWN				
DATE	FEBRUARY 2025				

DRAWING 11 OF 22

C:_GEO-ACC\CCDCS\GEO\NTEC\SOIPLANT WANSLEY\PROJECT FILES\CADD\DWG\N1\01\DWG\SH\TGW7306.13-C11

C:\BEO\ACCD\06\GSE\GINT\EC-SBP\PLANT WANSLEY\PROJECT FILES\CAD\WANSLEY\13\DWG\BP\13W236_13-C12



- NOTES:**
1. FOLLOWING COMPLETION OF CONTRACTOR'S WORK, THE FORMER AP-1 WILL NATURALLY REFILL WITH WATER TO A LEVEL OF 781.5 FT. ANY DIVERSION BERMS THAT THE CONTRACTOR CONSTRUCTS DURING CONSTRUCTION WILL NEED TO BE REMOVED OR BREACHED BY THE CONTRACTOR AS NECESSARY TO NOT RETAIN WATER. AT A MINIMUM, THIS WILL INCLUDE THE BREACHING OF THE DIVERSION CHANNEL, PRESENTED IN THE CONSTRUCTION SEQUENCING PLAN (DRAWINGS 16 AND 17).
 2. UPON VERIFICATION OF CCR REMOVAL AND AN ADDITIONAL 6 INCHES OF SOIL WITHIN AP-1, FINAL GRADES ABOVE 781.5 FT MUST RECEIVE HYDROSEEDING AS PERMANENT STABILIZATION, TO BE COMPLETED IN PHASES AS THE VERIFICATION PROCESS PROGRESSES. ANY AREAS OUTSIDE THE LIMITS OF CCR THAT ARE DISTURBED AS PART OF THIS WORK MUST ALSO BE HYDROSEEDED OR OTHERWISE STABILIZED IN ACCORDANCE WITH APPLICABLE CONSTRUCTION STORMWATER PERMITS AND DETAILED DESIGN DRAWINGS.
 3. TEMPORARY STABILIZATION WILL BE UTILIZED ON AN AS-NEEDED BASIS BELOW 781.5 FT ACCORDING TO THE EROSION AND SEDIMENT CONTROL (ESC) PLAN ON DRAWING 19.
 4. UPON VERIFICATION OF CCR REMOVAL AND AN ADDITIONAL 6 INCHES OF SOIL WITHIN AP-1, CONTRACTOR SHALL PLACE RIPRAP DETAILED ALONG THE ENTIRETY OF THE UPGRADIENT (AP-1) SIDE OF THE SEPARATOR DIKE.



- ▲ REVISED AP-1 PERMIT BOUNDARY
- ▲ ADJUSTED EXISTING SITE FEATURES AND TOPOGRAPHY TO REFLECT CONDITIONS AS OF SEPTEMBER 2025 (I.E. CONSTRUCTION OF HAUL ROAD, LAYDOWN AREAS, AND BU LOADING AREA).
- ▲ REVISED NOTES RELATED TO HYDROSEEDING REQUIREMENTS.
- ▲ REMOVED THE RIPRAP BUTTRESS WITHIN THE STORAGE WATER POND AND REVISED THE STABILITY AND SEEPAGE BERM EXTENTS.
- ▲ ADDED GRADES AND APPROXIMATE EXTENTS FOR THE DIVERSION CHANNEL.

Digitally signed by Jeremy Casare Date: 2025.11.10 15:43:45 -06'00'



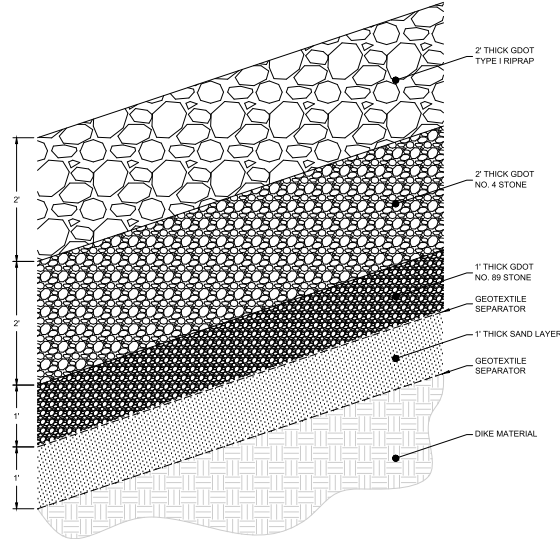
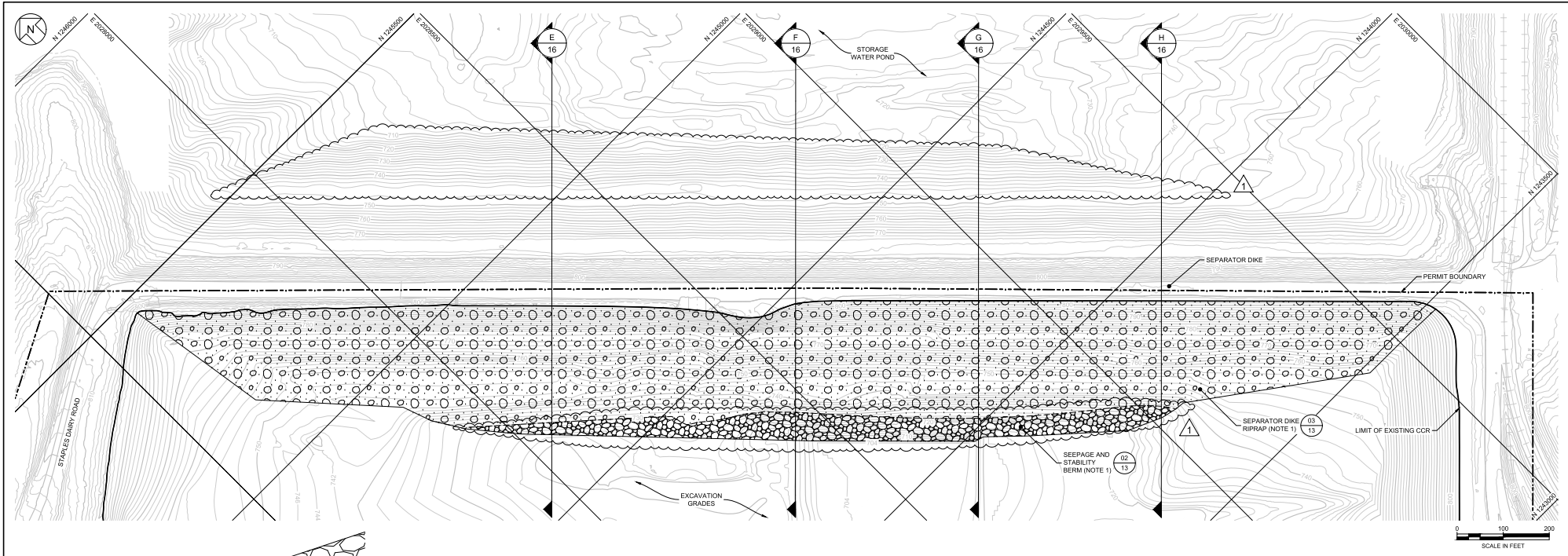
2	11.10.25	MINOR PERMIT MOD 2 - REVISION TO AP-1 DESIGN	WSA	JMG
1	07.09.25	MINOR PERMIT MOD 1 - REVISION TO AP-1 PERMIT BOUNDARY	WSA	JMG
0	02.06.25	GA EPD CCR PERMIT DRAWINGS	DLJ	JMG
REV	DATE	DESCRIPTION	DRN	APP

SITE RESTORATION GRADING PLAN
PLANT WANSLEY ASH POND CLOSURE BY REMOVAL
 HEARD AND CARROLL COUNTIES, GEORGIA

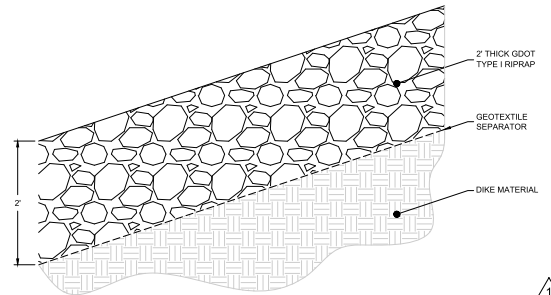
1505 ROBERTS BOULEVARD, NW, SUITE 300
 KENNESAW, GEORGIA 30144 USA
 PHONE: 678.202.9500
 WWW.GEOSYNTEC.COM

678.202.9500
 WWW.GEOSYNTEC.COM

PROJ. NO.	GW9155	DWG.	GW7306 13-C12	EDIT	10/23/25
SCALE	AS SHOWN	DRAWING	12	OF	22
DATE	NOVEMBER 2025				



02
13
DETAIL
SEEPAGE AND STABILITY BERM
SCALE: 1" = 1'



03
13
DETAIL
SEPARATOR DIKE RIPRAP
SCALE: 1" = 1'

△ REMOVED THE RIPRAP BUTTRISS WITHIN THE STORAGE WATER POND AND REVISED THE STABILITY AND SEEPAGE BERM EXTENTS.



Digitally signed by Jeremy Gasser Date: 2025.11.10 15:44:39 -06'00'



- NOTES:
- ON THE AP-1 SIDE OF THE SEPARATOR DIKE, FOLLOWING VERIFICATION OF CCR REMOVAL AND ADDITIONAL 6 INCHES OF SOIL REMOVAL, CONTRACTOR SHALL INSTALL SEEPAGE BERM AT THE BASE OF THE SEPARATOR DIKE AND RIPRAP ON THE TOP OF SEPARATOR DIKE.

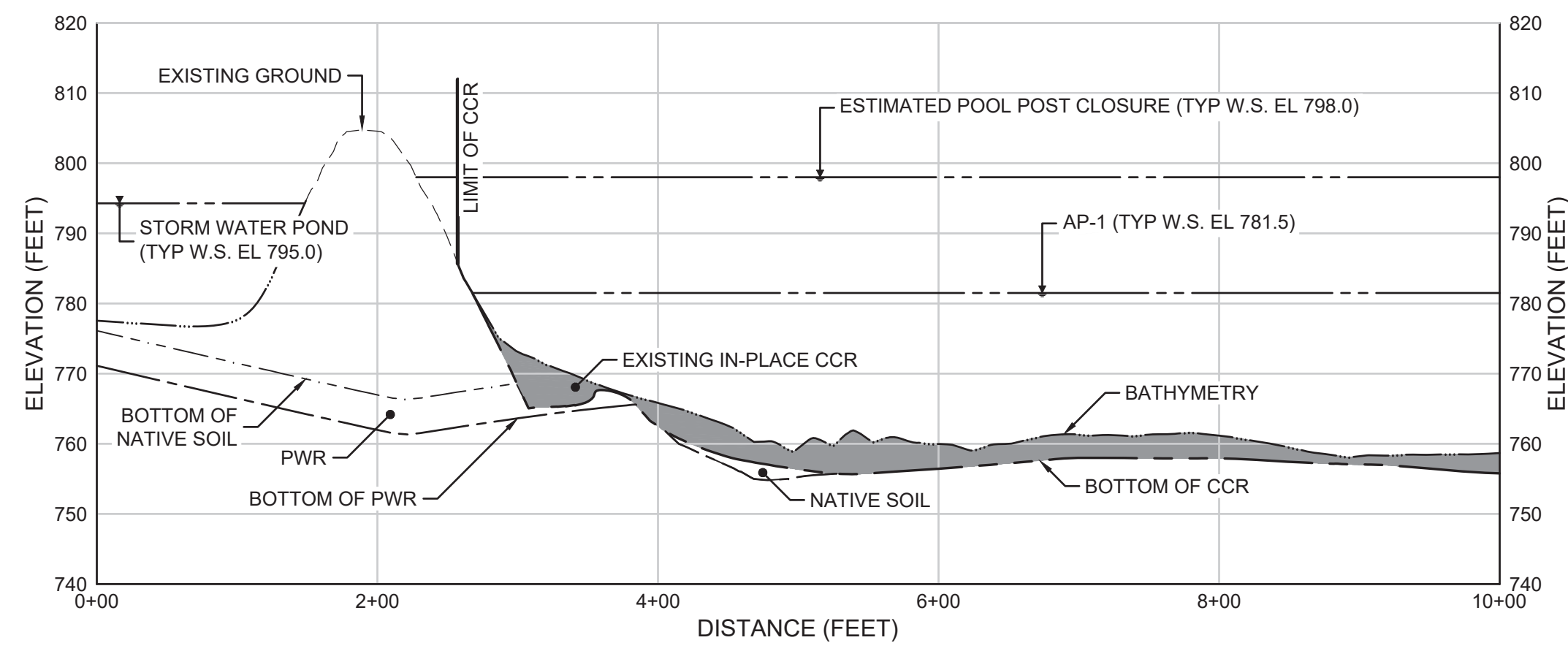
1	11.10.25	MINOR PERMIT MOD 2 - REVISION TO AP-1 DESIGN	WSA	JMG
0	02.06.25	GA EPD CCR PERMIT DRAWINGS	DLJ	JMG
REV	DATE	DESCRIPTION	DRN	APP

SEPARATOR DIKE PLAN
PLANT WANSLEY ASH POND CLOSURE BY REMOVAL
HEARD AND CARROLL COUNTIES, GEORGIA

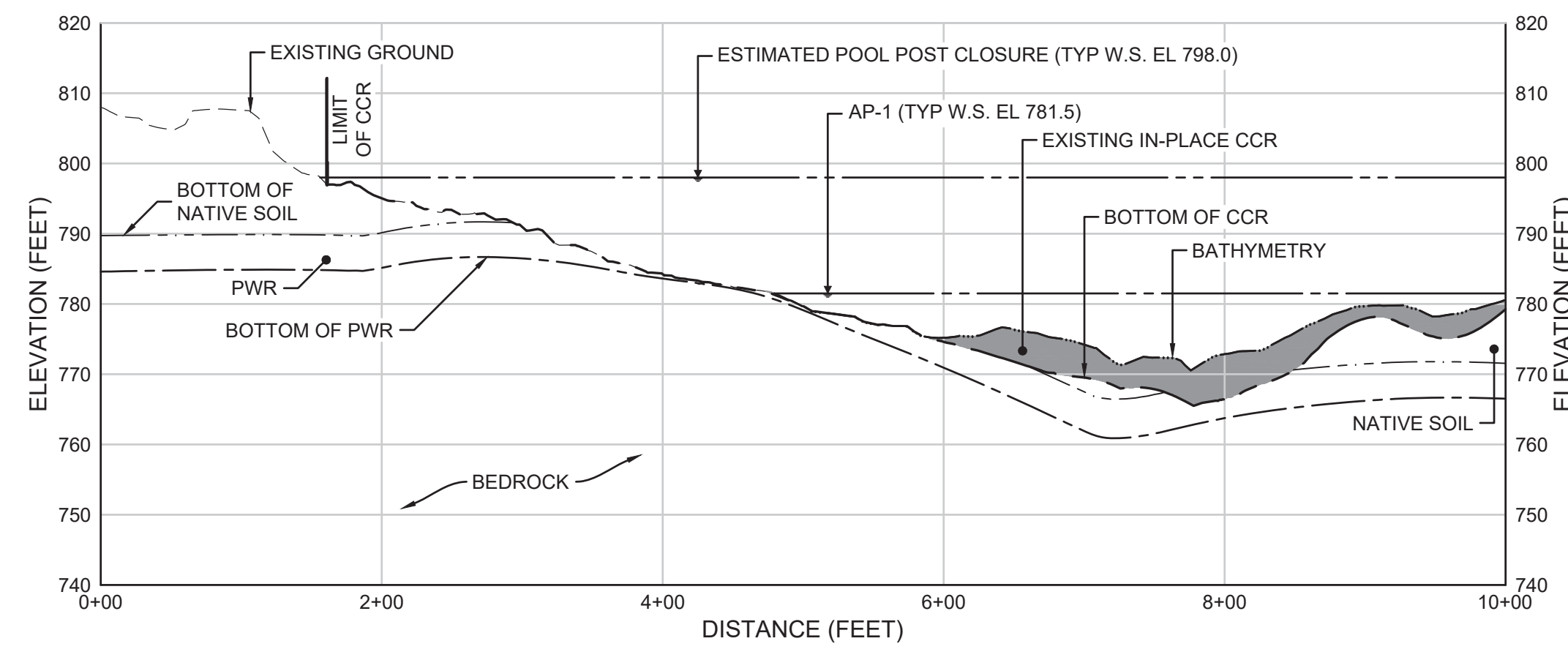
1205 ROBERTS BOULEVARD, NW, SUITE 200
KENNESAW, GEORGIA 30144 USA
PHONE: 678.202.9900
WWW.GEOSYNTEC.COM

PROJ. NO.	GW9155	DWG.	GW7306 13-C13	EDIT	9/16/25
SCALE	AS SHOWN				
DATE	NOVEMBER 2025				DRAWING 13 OF 22

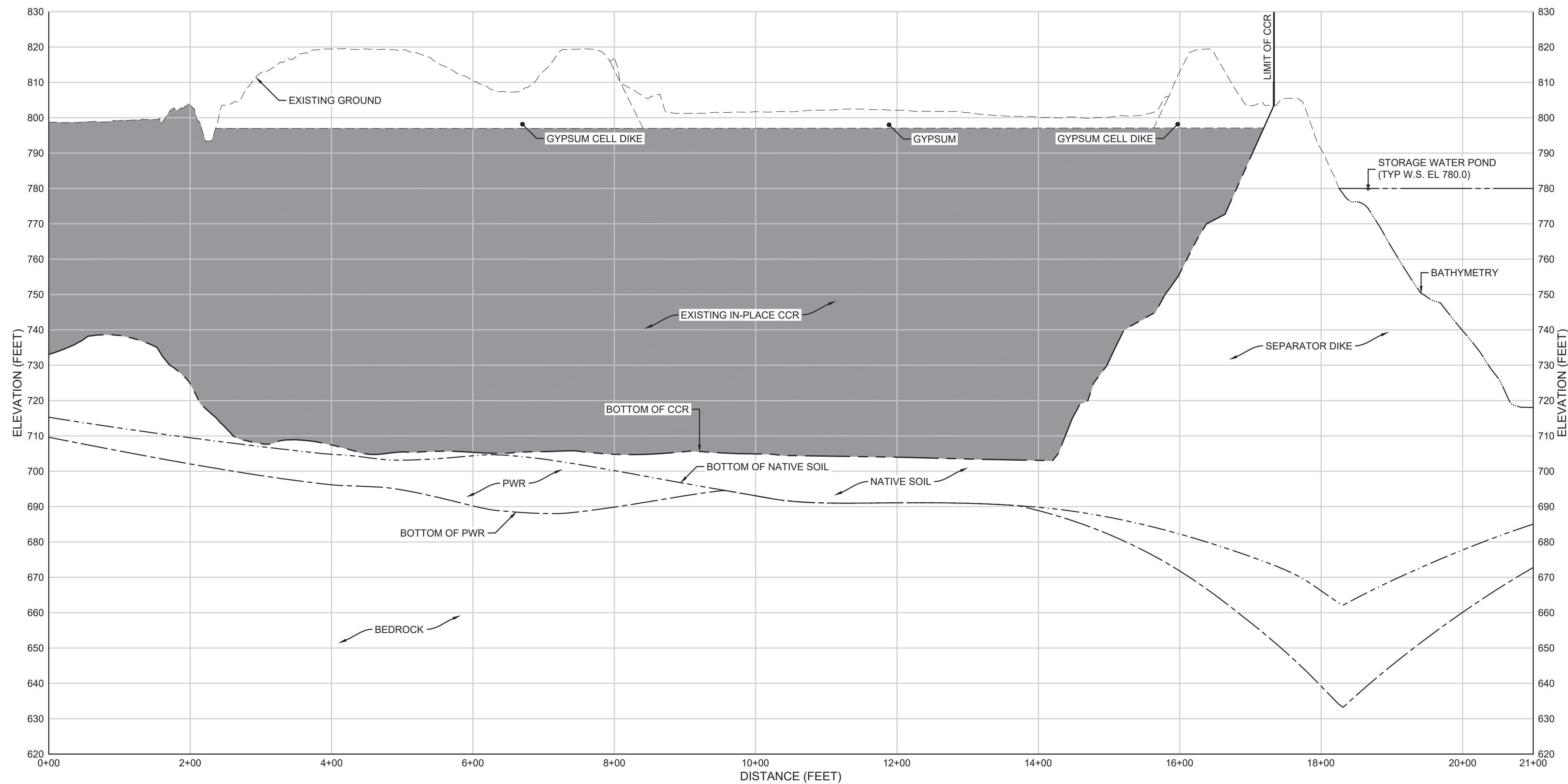
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A SECTION
06 SITE SECTION - A
SCALE: 1" = 100' (H); 1" = 20' (V)

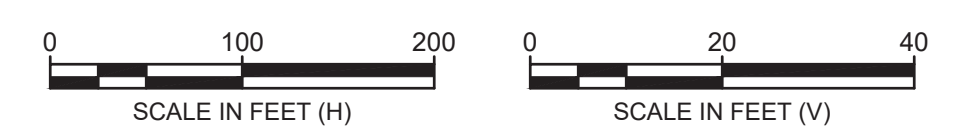


B SECTION
06 SITE SECTION - B
SCALE: 1" = 100' (H); 1" = 20' (V)

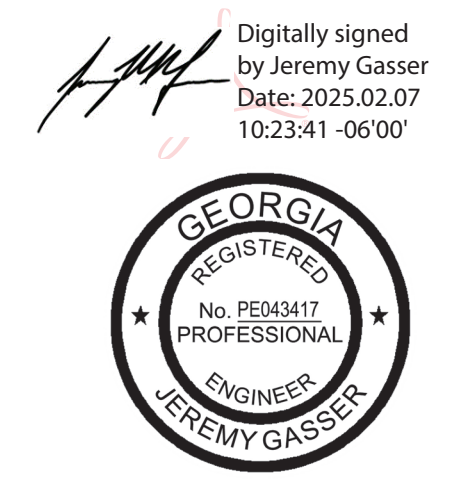


C SECTION
06 SITE SECTION - C
SCALE: 1" = 100' (H); 1" = 20' (V)

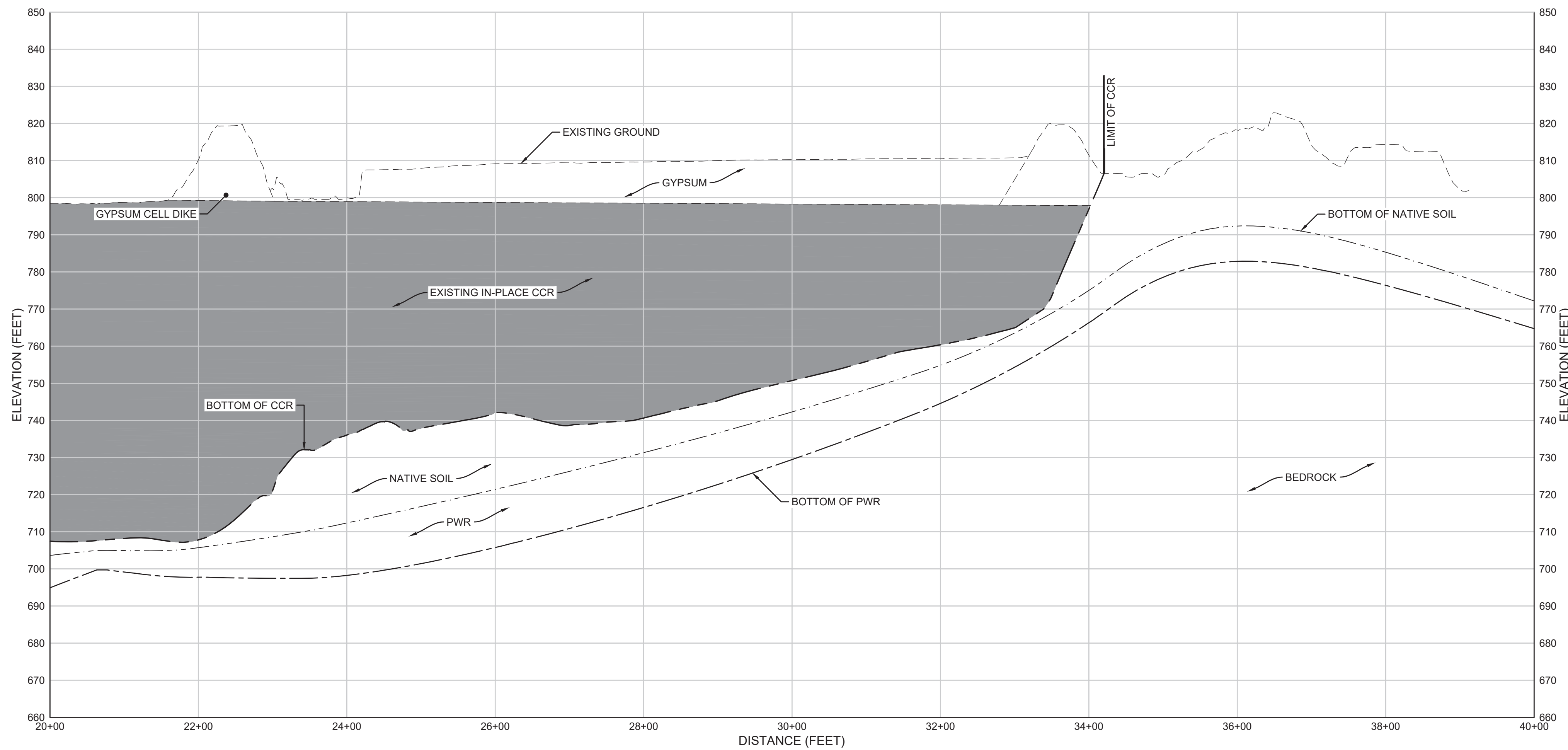
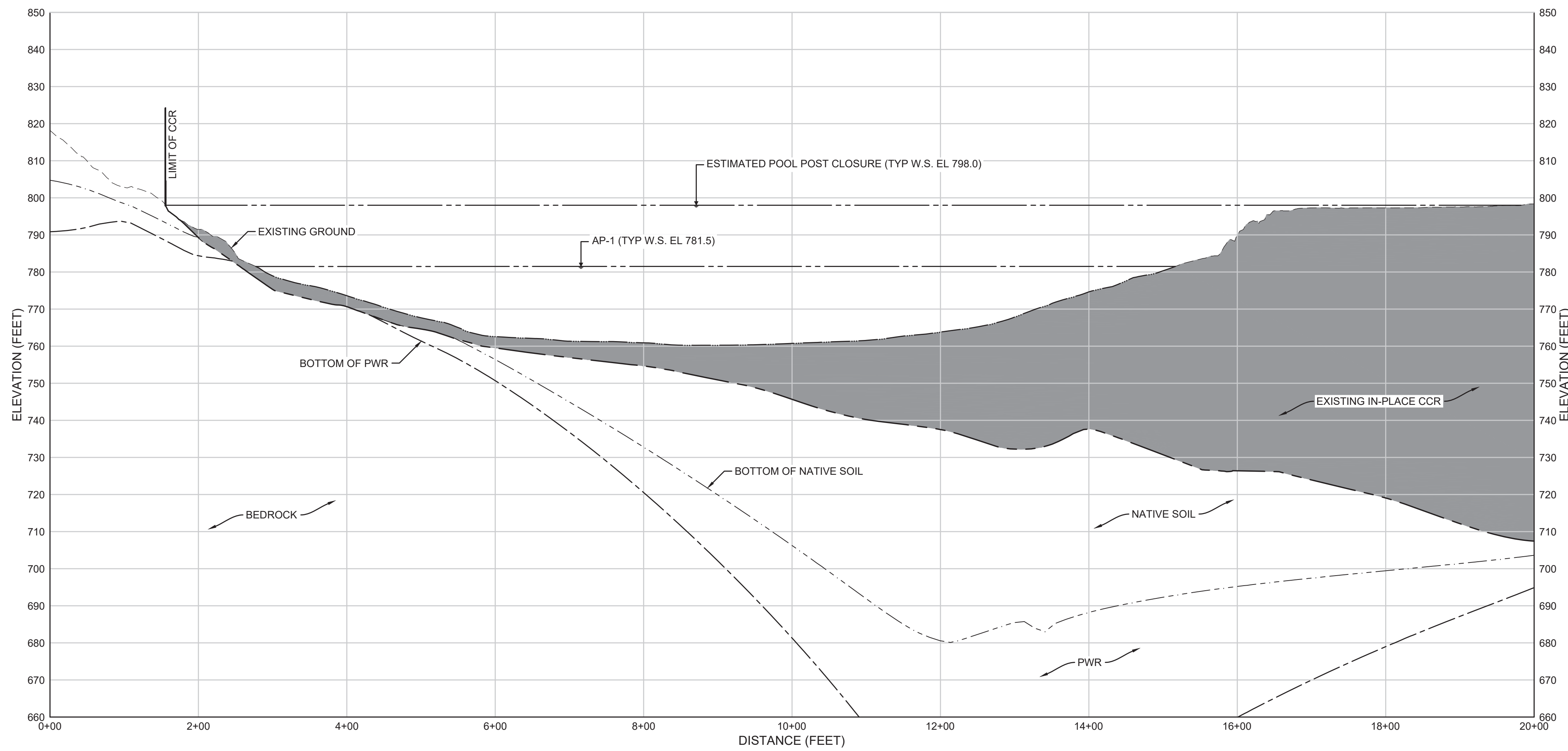
- NOTES:
- BOTTOM OF CCR SURFACE IS SHOWN IN THESE SECTIONS. EXCAVATION SURFACE IS NOT SHOWN FOR CLARITY AND WILL BE 6 INCHES BELOW THE BOTTOM OF CCR SURFACE.
 - BATHYMETRY WITHIN THE STORMWATER POND IS ESTIMATED AND NOT SURVEYED.



0	02.06.25	GA EPD CCR PERMIT DRAWINGS	DLJ	JMG	
REV	DATE	DESCRIPTION	DRN	APP	
SITE SECTIONS - I					
PLANT WANSLEY ASH POND CLOSURE BY REMOVAL HEARD AND CARROLL COUNTIES, GEORGIA					
Geosyntec consultants					
1255 ROBERTS BOULEVARD, NW, SUITE 200 KENNESAW, GEORGIA 30144 USA		PHONE: 678.202.8500 WWW.GEOSYNTEC.COM			
PROJ. NO.	GW9155	DWG.	GW7306.13-C14	EDIT	5/2/24
SCALE	AS SHOWN	DRAWING 14 OF 22			
DATE	FEBRUARY 2025				



C:\GEO-ACC\ACCDCS\GEO\NTEC\SD\PLANT WANSLEY\PROJECT FILES\CADD\WANSLEY\01\SD\WGS\HT\GW7306.13-C14



D
06 SECTION
SITE SECTION - D
SCALE: 1" = 100' (H); 1" = 20' (V)

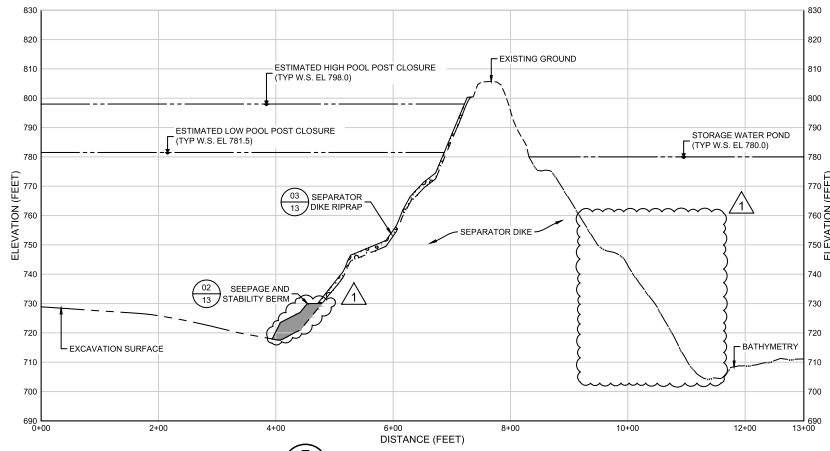
- NOTES:
1. BOTTOM OF CCR SURFACE IS SHOWN IN THESE SECTIONS. EXCAVATION SURFACE IS NOT SHOWN FOR CLARITY AND WILL BE 6 INCHES BELOW THE BOTTOM OF CCR SURFACE.



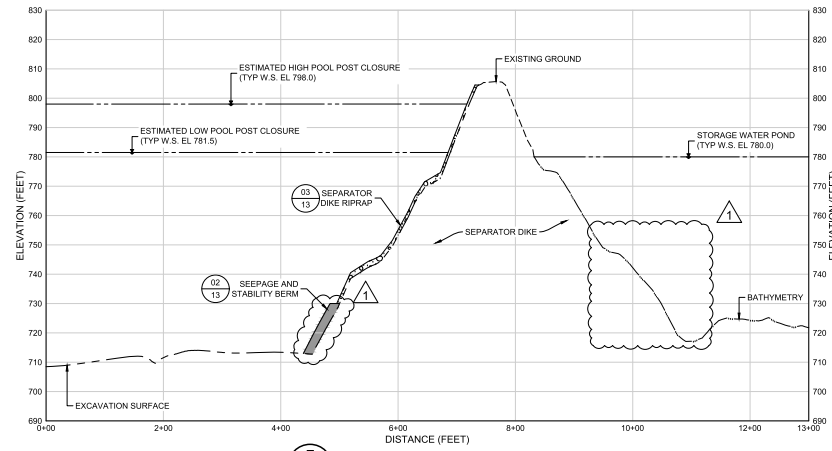
0	02.06.25	GA EPD CCR PERMIT DRAWINGS	DLJ	JMG	
REV	DATE	DESCRIPTION	DRN	APP	
SITE SECTIONS - II					
PLANT WANSLEY ASH POND CLOSURE BY REMOVAL HEARD AND CARROLL COUNTIES, GEORGIA					
Geosyntec consultants		Georgia Power			
1255 ROBERTS BOULEVARD, NW, SUITE 200 KENNESAW, GEORGIA 30144 USA		PHONE: 678.202.9500 WWW.GEOSYNTEC.COM			
PROJ. NO.	GW9155	DWG.	GW7306.13-C15	EDIT	5/2/24
SCALE	AS SHOWN	DRAWING 15 OF 22			
DATE	FEBRUARY 2025				



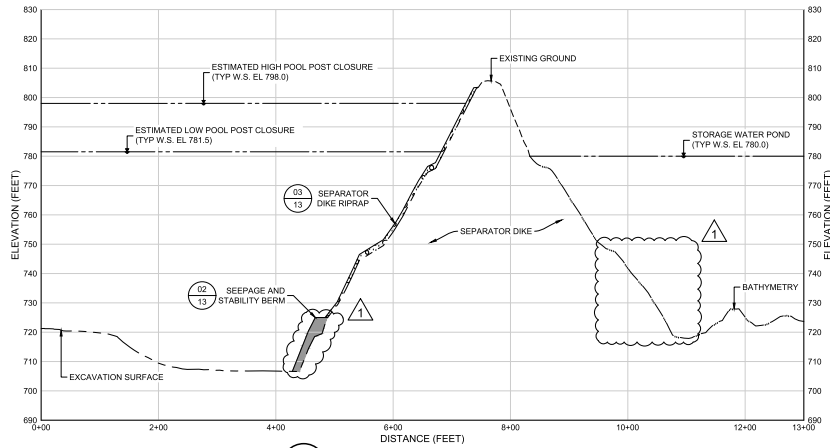
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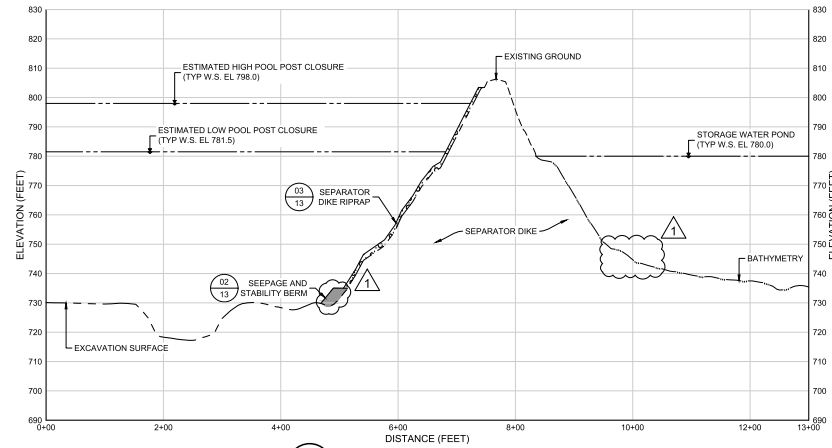
E
SECTION
SEPARATOR DIKE SECTION - E
SCALE: 1" = 100' (H); 1" = 20' (V)



F
SECTION
SEPARATOR DIKE SECTION - F
SCALE: 1" = 100' (H); 1" = 20' (V)



G
SECTION
SEPARATOR DIKE SECTION - G
SCALE: 1" = 100' (H); 1" = 20' (V)



H
SECTION
SEPARATOR DIKE SECTION - H
SCALE: 1" = 100' (H); 1" = 20' (V)

NOTES:

- SEE DETAILS ON DRAWING 13 FOR PLACEMENT OF MATERIALS ON THE AP-1 SIDE OF THE SEPARATOR DIKE.



Digitally signed
by Jeremy Gasser
Date: 2025.11.10
15:45:20 -0500



1
REMOVED THE RIPRAP BUTTRESS WITHIN THE STORAGE WATER POND.
REVISED SEEPAGE AND STABILITY BERM GEOMETRY.



1	11.10.25	MINOR PERMIT MOD 2 - REVISION TO AP-1 DESIGN	WSA	JMG
0	02.06.25	GA EPD OCR PERMIT DRAWINGS	BLJ	JMG
REV	DATE	DESCRIPTION	DRN	APP

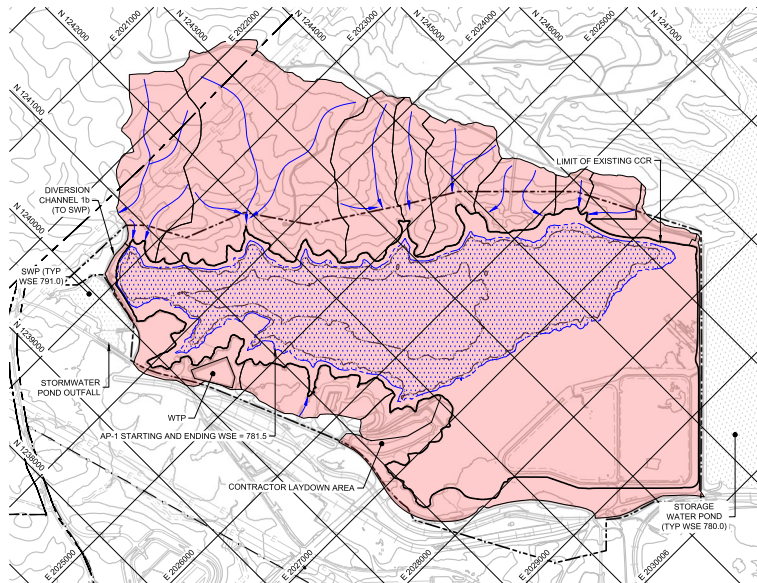
SEPARATOR DIKE SECTIONS

PLANT WANSLEY ASH POND CLOSURE BY REMOVAL
HEARD AND CARROLL COUNTIES, GEORGIA



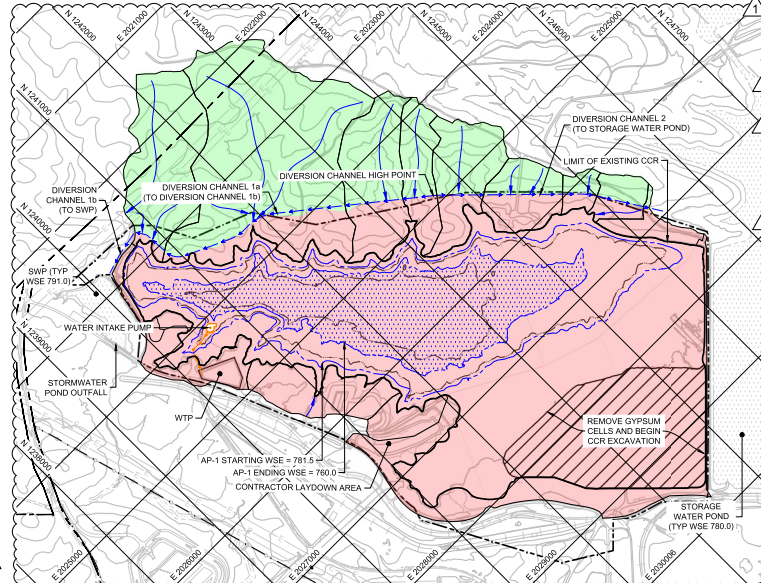
1265 ROBERTS BOULEVARD, NW, SUITE 200 KENNESAW, GEORGIA 30144 USA		PHONE: 678.202.9900 WWW.GEOSYNTEC.COM	
PROJ. NO.	GW9155	DWG.	GW7306_13-C16
SCALE	AS SHOWN	EDIT	01/18/25
DATE	NOVEMBER 2025	DRAWING 16 OF 22	

- STAGE 0 ACTIVITIES:**
PHASE 1 (WSE 781.5)
- INITIATE CLOSURE ACTIVITIES.
 - INSTALL EROSION AND SEDIMENT CONTROLS.
 - INSTALL WTP.
 - COMMENCE REMOVAL OF FREE WATER FROM AP-1.



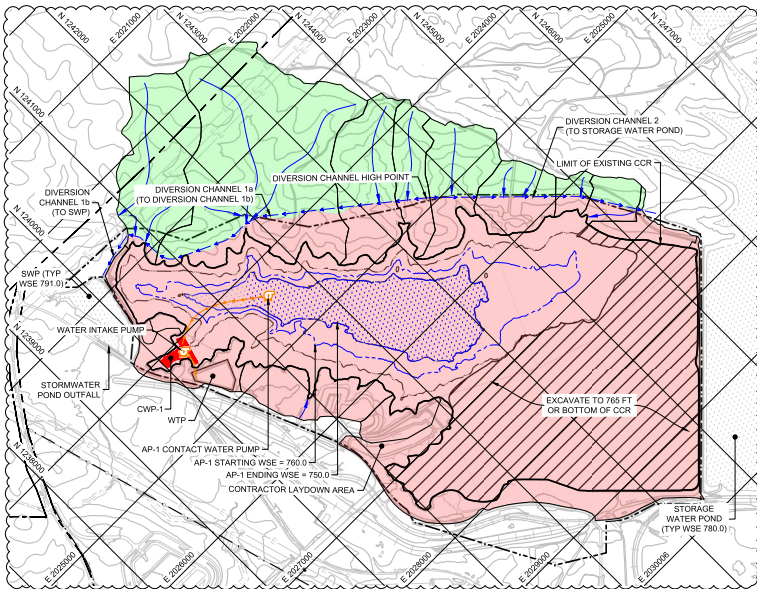
04 PLAN
17 STAGE 0
SCALE: 1" = 700'

- STAGE 1 ACTIVITIES:**
INITIAL DRAWDOWN (WSE 781.5 TO 760.0)
- CONSTRUCT WTP INTAKE FORCEMAIN AND PUMP SYSTEM.
 - COMMENCE INSTALLATION OF TEMPORARY DEWATERING SYSTEM FOR CONSTRUCTION PURPOSES.
 - CONSTRUCT DIVERSION CHANNELS.
 - COMMENCE REMOVAL OF FREE WATER FROM ASH POND.
 - COMMENCE REMOVAL OF CCR.
 - COMMENCE DEMOLITION OF PIPING AND ANCILLARY ITEMS WITHIN THE POND FOOTPRINT.
 - CLEAR AND GRUB CCR CONTACT MATERIALS ALONG THE ASH POND PERIMETER AND WITHIN THE POND FOOTPRINT.
 - REMOVE THE GYPSUM CELLS.
 - CONTINUE TO CONSTRUCT AND MAINTAIN EROSION AND SEDIMENT CONTROLS.

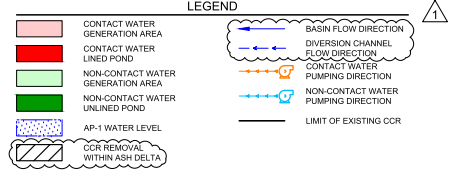


05 PLAN
17 STAGE 1
SCALE: 1" = 700'

- STAGE 2 ACTIVITIES:**
DRAWDOWN (WSE 760.0 TO 750.0)
- CONTINUE TO REMOVE FREE WATER FROM ASH POND TO AN ELEVATION OF 750.0 FEET.
 - CONTINUE REMOVAL OF CCR AND CERTIFICATION.
 - CONSTRUCT CONTACT WATER POND 1.
 - CONTINUE TEMPORARY DEWATERING ACTIVITIES FOR CONSTRUCTION PURPOSES.
 - CONTINUE TO CONSTRUCT AND MAINTAIN EROSION AND SEDIMENT CONTROLS.



06 PLAN
17 STAGE 2
SCALE: 1" = 700'

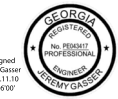
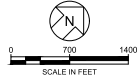


ADJUSTED EXISTING SITE FEATURES AND TOPOGRAPHY TO REFLECT CONDITIONS AS OF SEPTEMBER 2025.

ADDED CLARITY TO PROPOSED CCR REMOVAL SEQUENCE, INCLUDING INFORMATION SPECIFIC TO THE ASH DELTA.

REPLACED PREVIOUS NON-CONTACT WATER CONTAINMENT SYSTEM (I.E. A NETWORK OF NON-CONTACT WATER SUMPS/PUMPS) WITH A NETWORK OF DIVERSION CHANNELS.

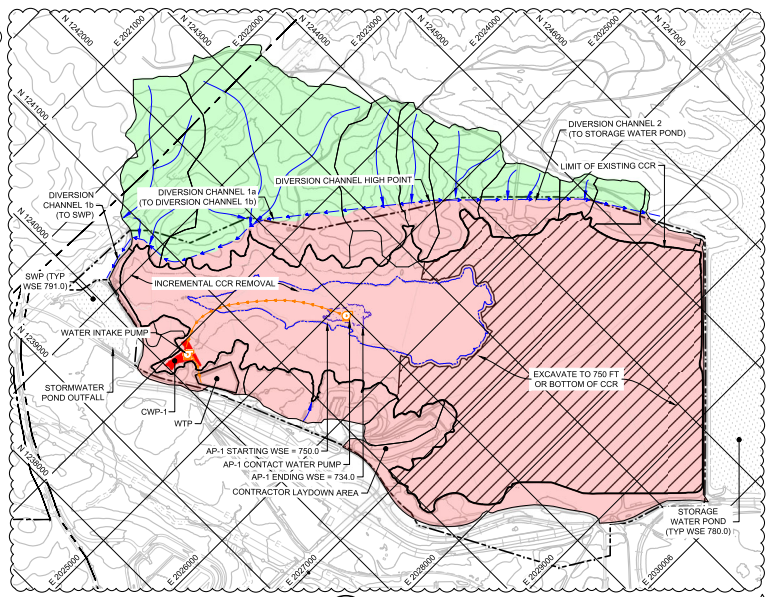
REMOVED SEQUENCING INFORMATION RELATED TO RIPRAP BUTTRISS ON THE STORAGE WATER POND SIDE OF THE SEPARATOR DIKE.



1	11.10.25	MINOR PERMIT MOD 2 - REVISION TO AP-1 DESIGN	WSA	JMG	
0	02.06.25	GA EPD CCR PERMIT DRAWINGS	ENJ	JMG	
REV	DATE	DESCRIPTION	DRW	APP	
CONSTRUCTION SEQUENCING PLAN - I					
PLANT WANSLEY ASH POND CLOSURE BY REMOVAL HEARD AND CARROLL COUNTIES, GEORGIA					
Geosyntec CONSULTANTS		Georgia Power			
1255 ROBERTS BOWLEAVEN, NW, SUITE 200 KENNESAW, GEORGIA 30144 USA		PHONE: 678.252.9900 WWW.GEOSYNTEC.COM			
PROJ. NO.	GW9155	DWG.	GW7306 13-C17	EDIT	10/23/25
SCALE	SCALE: 1" = 700'		DATE	NOVEMBER 2025	
			DRAWING 17 OF 22		

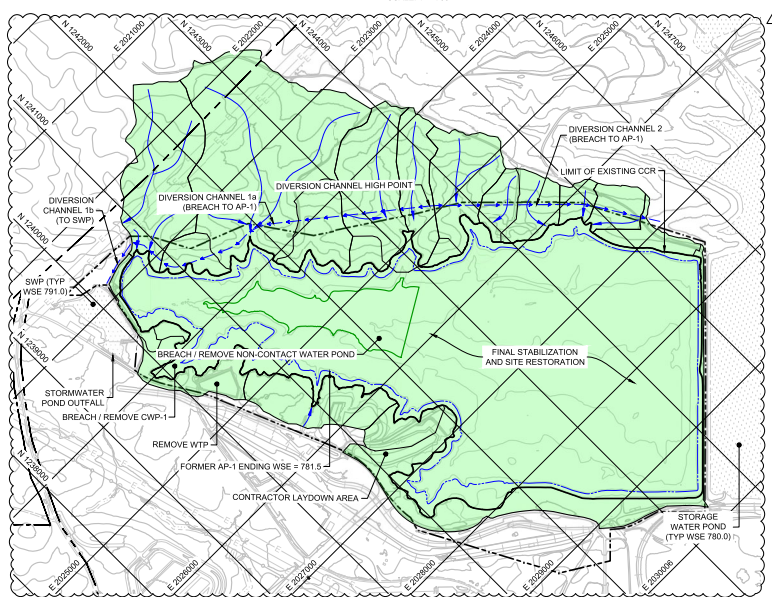
C:\BDD\ACCD\DCS\GENTEC-SBP\PLANT WANSLEY\PROJECT FILE\CAD\WSE\13\DWG\SP\GW7306_13-C17

- STAGE 3 ACTIVITIES:**
- DRAWDOWN CONTINUED (WSE 750.0 TO 734.0)
 - CONTINUE TO REMOVE FREE WATER FROM ASH POND TO AN ELEVATION OF 734.0 FEET.
 - CONTINUE REMOVAL OF CCR AND CERTIFICATION.
 - CONTINUE TEMPORARY DEWATERING ACTIVITIES FOR CONSTRUCTION PURPOSES.
 - CONTINUE TO CONSTRUCT AND MAINTAIN EROSION AND SEDIMENT CONTROLS.

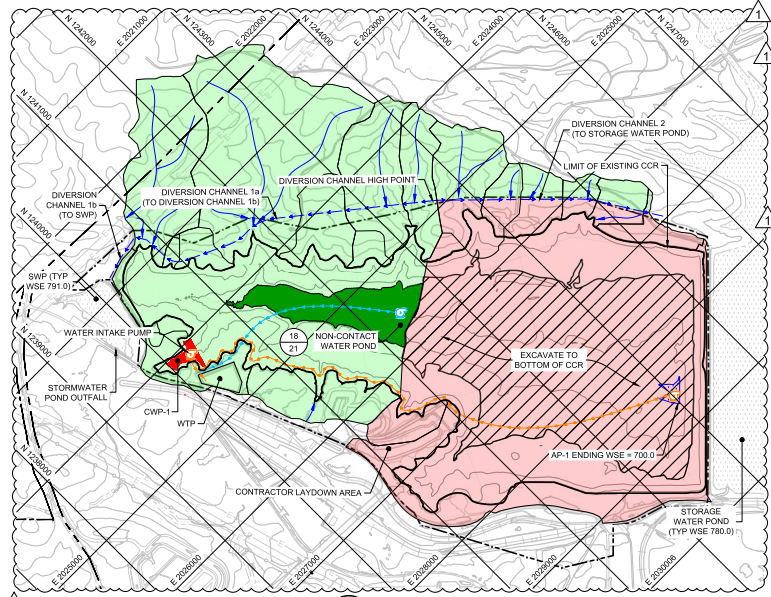


07 PLAN 18 STAGE 3
SCALE: 1" = 700'

- STAGE 5 ACTIVITIES:**
- BREACH/REMOVE NON-CONTACT WATER PONDS/BERMS
 - BREACH DIVERSION CHANNEL IN LOCATIONS CORRESPONDING TO NATURAL VALLEYS IN THE PRE-CONSTRUCTION TOPOGRAPHY
 - CLOSE AND REMOVE WTP.
 - REMOVE TEMPORARY CONSTRUCTION FACILITIES.
 - CONTINUE TO MAINTAIN EROSION AND SEDIMENT CONTROLS.
 - PERFORM VEGETATION MANAGEMENT AND RESEEDING AS NEEDED FOR STABILIZATION.
 - PLACE RIPRAP AND SEEPAGE BERM ON THE AP-1 SIDE OF THE SEPARATOR DIKE
 - ASH POND 1 CLOSURE ACTIVITIES ARE COMPLETE.



09 PLAN 18 STAGE 5
SCALE: 1" = 700'



08 PLAN 18 STAGE 4
SCALE: 1" = 700'

- STAGE 4 ACTIVITIES:**
- CCR REMOVAL (WSE 734.0 TO 700.0)
 - COMPLETE FREE WATER REMOVAL WITHIN THE ASH POND
 - CONSTRUCT NON-CONTACT WATER POND
 - RELOCATE WTP INTAKE FORCEMAIN AND PUMP SYSTEM
 - INSTALL NON-CONTACT WATER PUMP
 - COMPLETE REMOVAL OF CCR AND CERTIFY.
 - COMMENCE CONTACT WATER MANAGEMENT WITHIN THE ASH POND.
 - CONTINUE TO CONSTRUCT AND MAINTAIN EROSION AND SEDIMENT CONTROLS.
 - PLACE CHANNEL BEDDING AND ARMORING MATERIALS FOR EROSION PROTECTION AS NEEDED.
 - COMPLETE SEPARATOR DIKE SLOPE ARMORING FOR EROSION PROTECTION.

LEGEND

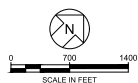
- CONTACT WATER GENERATION AREA
- CONTACT WATER LINED POND
- NON-CONTACT WATER GENERATION AREA
- NON-CONTACT WATER UNLINED POND
- AP-1 WATER LEVEL
- CCR REMOVAL WITHIN ASH DELTA
- BASIN FLOW DIRECTION
- DIVERSION CHANNEL FLOW DIRECTION
- CONTACT WATER PUMPING DIRECTION
- NON-CONTACT WATER PUMPING DIRECTION
- LIMIT OF EXISTING CCR

ADJUSTED EXISTING SITE FEATURES AND TOPOGRAPHY TO REFLECT CONDITIONS AS OF SEPTEMBER 2025.

ADDED CLARITY TO PROPOSED CCR REMOVAL SEQUENCE, INCLUDING INFORMATION SPECIFIC TO THE ASH DELTA.

REPLACED PREVIOUS NON-CONTACT WATER CONTAINMENT SYSTEM (I.E. A NETWORK OF NON-CONTACT WATER SUMP/PUMPS) WITH A NETWORK OF DIVERSION CHANNELS.

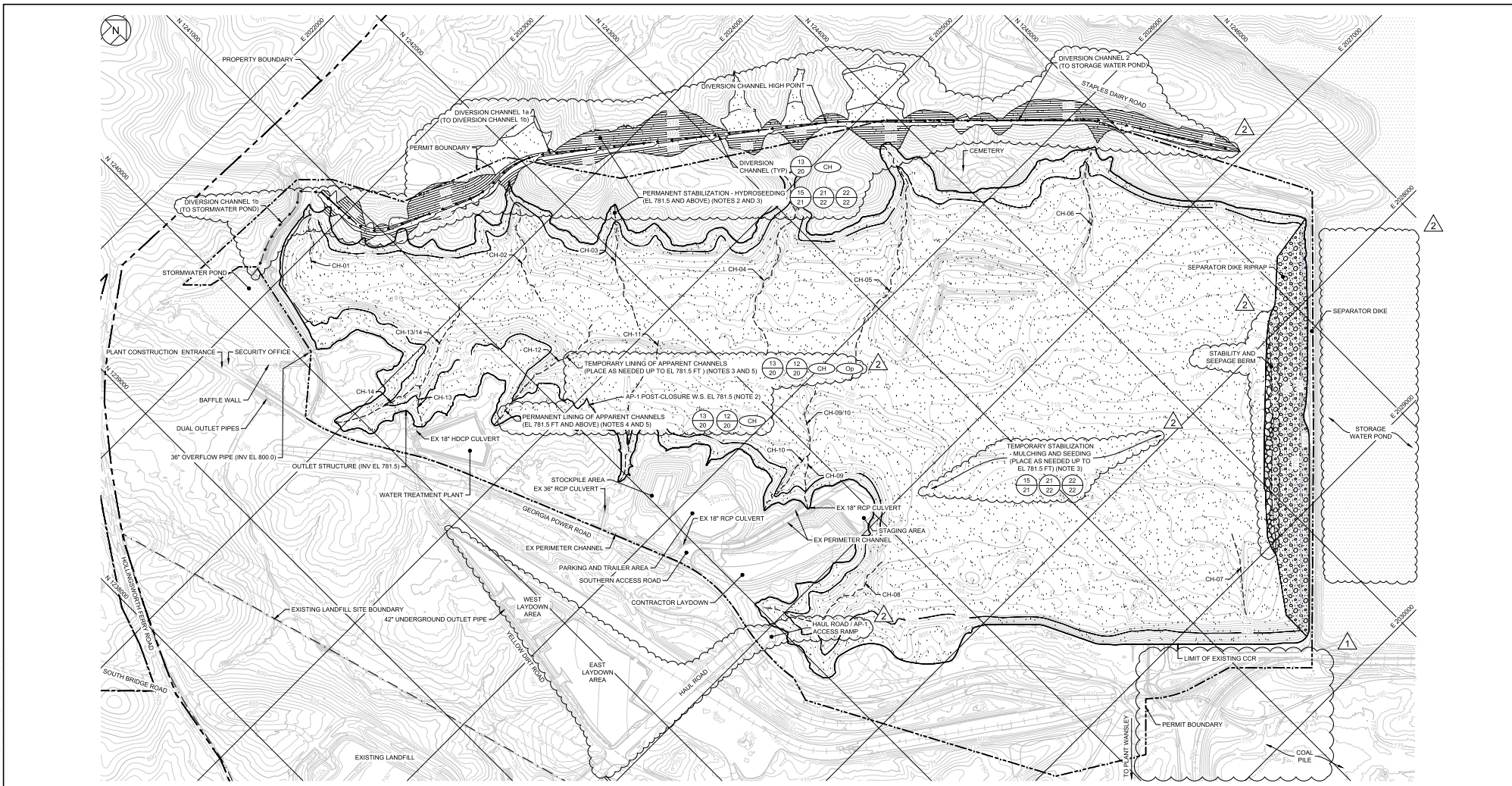
REMOVED SEQUENCING INFORMATION RELATED TO RIPRAP BUTTRISS ON THE STORAGE WATER POND SIDE OF THE SEPARATOR DIKE.



1	11.10.25	MINOR PERMIT MOD 2 - REVISION TO AP-1 DESIGN	WSA	JMG	
0	02.06.25	GA EPD CCR PERMIT DRAWINGS	ENJ	JMG	
REV	DATE	DESCRIPTION	DRN	APP	
CONSTRUCTION SEQUENCING PLAN - II					
PLANT WANSLEY ASH POND CLOSURE BY REMOVAL HEARD AND CARROLL COUNTIES, GEORGIA					
Geosyntec consultants		Georgia Power			
1255 ROBERTS BOWL EVARD, NW, SUITE 200 KENNESAW, GEORGIA 30144 USA		PHONE: 678.252.9500 WWW.GEOSYNTEC.COM			
PROJ. NO.	GW155	DWG.	GW7306-13-C18	EDIT	10/23/25
SCALE	SCALE: 1" = 700'		DRAWING		18 OF 22
DATE	NOVEMBER 2025				

C:\BEO\ACCD\CCS\GEOINTEC\BEP\PLANT WANSLEY\PROJECT FILE\CAD\WSE\1913\DWG\SP\1913\250_13-C18

C:\BDD\ACC\DCS\GEO\GINT\DC-PLANT WANSLEY\PROJECT FILES\CAD\WANSLEY\13\DWG\GINT\DWG\13-C19



- NOTES:
- SEE DRAWING 02 FOR LEGENDS, ABBREVIATIONS, AND GENERAL SITE NOTES.

- FOLLOWING COMPLETION OF CONTRACTOR'S WORK, THE FORMER AP-1 WILL NATURALLY RE-FILL WITH WATER TO A LEVEL OF 781.5 FT. ANY DIVERSION BERMS THAT THE CONTRACTOR CONSTRUCTS DURING CONSTRUCTION WILL NEED TO BE REMOVED OR BREACHED BY THE CONTRACTOR AS NECESSARY TO NOT RETAIN WATER OR DRAIN OUTSIDE OF THE FORMER AP-1 POOL, AT A MINIMUM. THIS WILL INCLUDE THE BREACHING OF THE DIVERSION CHANNEL, PRESENTED IN THE CONSTRUCTION SEQUENCING PLAN (DRAWINGS 16 AND 17).
- WITH THE EXCEPTION OF THE SEPARATOR DIKE STONE LINING, STORMWATER FEATURES AND STABILIZATION MEASURES BELOW 781.5 FT ARE INTERIM BEST MANAGEMENT PRACTICES (BMPs) AND SHALL BE MAINTAINED ON AN AS-NEEDED BASIS AS CCR EXCAVATION WITHIN AP-1 ADVANCES (I.E. AFTER VERIFICATION OF CCR REMOVAL AND ADDITIONAL 8 INCHES OF SOIL). BMPs INCLUDE (BUT ARE NOT LIMITED TO) TEMPORARY GRASSING, CHANNEL LINING, OUTLET PROTECTION, CHECK DAMS, AND ROCK FILTER DAMS (SEE DRAWINGS DRAWING 20 THROUGH 22). CONTRACTOR IS RESPONSIBLE FOR SELECTING, INSTALLING, AND MAINTAINING THESE FEATURES IN A MANNER THAT:
 - PREVENTS RILL FORMATION, SEDIMENT MIGRATION, AND SUSPENDED SOLID MIGRATION THAT WOULD IMPEDE CCR REMOVAL ACTIVITIES OR EXCEED OPERATIONAL REQUIREMENTS OF THE WATER TREATMENT SYSTEM, AND;
 - MEETS REQUIREMENTS OF NPDES PERMIT NO. GA0026778 AND OTHER APPLICABLE CONSTRUCTION STORMWATER PERMITS.
- STABILIZATION MEASURES ABOVE 781.5 FT ARE PERMANENT, INCLUDING RIPRAP LINING FOR THE DIVERSION CHANNELS, RIPRAP AND GRASS LINING FOR THE APPARENT CHANNELS WITHIN AP-1, AND HYDROSEEDING (SEE LIMITS ON DRAWING 12). THESE FEATURES SHALL BE MAINTAINED IN THE INTERIM CONDITION ACCORDING TO THE SAME REQUIREMENTS IN NOTE 3.
- APPARENT LOCATIONS OF CHANNELS FORMED BY THE BOTTOM OF CCR SURFACE WERE APPROXIMATED BASED ON THE MARCH 1976 AS-BUILT SURVEY OF THE SEPARATOR DIKE. CONDITIONS ENCOUNTERED DURING CCR REMOVAL ARE ANTICIPATED TO CHANGE AND WILL BE EVALUATED AS CCR REMOVAL PROGRESSES ACCORDING TO THE METHODOLOGY IN DETAIL 13 OF DRAWING 20.

- REVISED AP-1 PERMIT BOUNDARY
- ADJUSTED EXISTING SITE FEATURES AND TOPOGRAPHY TO REFLECT CONDITIONS AS OF SEPTEMBER 2025 (I.E. CONSTRUCTION OF HAUL ROAD, LAYDOWN AREAS, AND BU LOADING AREA).
- REVISED NOTES AND CALLOUTS RELATED TO STABILIZATION AND CHANNEL STABILIZATION REQUIREMENTS.
- REMOVED THE RIPRAP BUTTRESS WITHIN THE STORAGE WATER POND AND REVISED THE STABILITY AND SEEPAGE BERM EXTENTS.
- ADDED GRADES AND DESIGN INFORMATION FOR THE DIVERSION CHANNEL.



Digitally signed by Jeremy Gasser Date: 2025.11.10 15:04:49 -0500



2	11.10.25	MINOR PERMIT MOD 2 - REVISION TO AP-1 DESIGN	WSA	JMG
1	07.09.25	MINOR PERMIT MOD 1 - REVISION TO AP-1 PERMIT BOUNDARY	WSA	JMG
0	02.06.25	GA EPD CCR PERMIT DRAWINGS	DLJ	JMG
REV	DATE	DESCRIPTION	DRN	APP

FINAL STORMWATER AND ESC PLAN

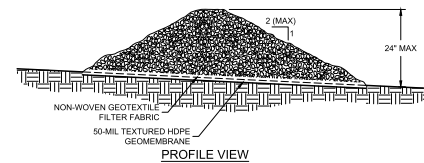
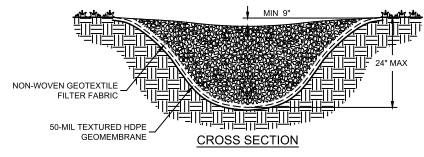
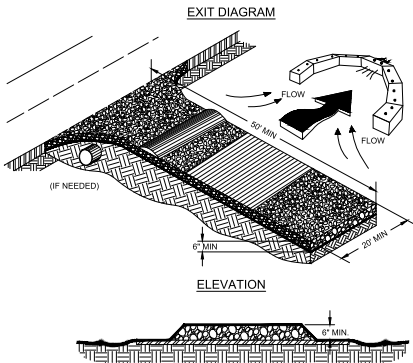
PLANT WANSLEY ASH POND CLOSURE BY REMOVAL
HEARD AND CARROLL COUNTIES, GEORGIA

Geosyntec consultants

Georgia Power

1505 ROBERTS BOWL AVENUE, NW, SUITE 200
KENNESAW, GEORGIA 30144 USA
PHONE: 678.202.9900
WWW.GEOSYNTEC.COM

PROJ. NO. GW1955 DWG. GW1306-13-C19 EDIT 9/18/25
SCALE AS SHOWN DATE NOVEMBER 2025 DRAWING 19 OF 22

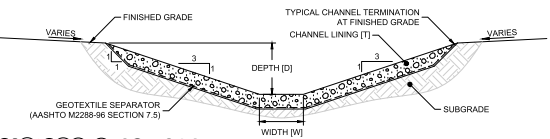


- NOTES:**
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
 2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
 3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION (NSA) R-2 (1.5"-3.5" STONES).
 4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
 5. PAD WIDTH SHALL EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
 6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
 7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
 8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
 9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVES MUD AND DIRT.
 10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR, AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

- NOTES:**
1. CHECK DAMS ARE TO BE USED ONLY IN SMALL OPEN CHANNELS (THEY ARE NOT TO BE USED IN LIVE STREAMS).
 2. THE DRAINAGE AREA FOR STONE CHECK DAMS SHALL NOT EXCEED TWO ACRES.
 3. THE CENTER OF THE CHECK DAM MUST BE AT LEAST 9 INCHES LOWER THAN THE OUTER EDGES.
 4. THE DAM HEIGHT SHOULD BE A MAXIMUM OF 2 FEET FROM CENTER TO RIM EDGE.
 5. THE SIDE SLOPES OF THE CHECK DAM SHALL NOT EXCEED A 2:1 SLOPE.
 6. GEOTEXTILE SHALL BE USED TO PREVENT THE MITIGATION OF SUBGRADE SOIL PARTICLES INTO THE STONES (REFER TO AASHTO M288-96, SECTION 7.3, TABLE 3).
 7. CHECK DAMS SHALL BE SPACED 200 FT APART IN ALL PERIMETER CHANNELS.
 8. CHECK DAMS SHALL BE PLACED ON BOTH SIDES OF THE OUTFLOW WEIRS AND SPACED 3 FEET FROM THE EDGES OF THE WEIR.

Co **10** **19** **DETAIL**
CONSTRUCTION EXIT
SCALE: NTS

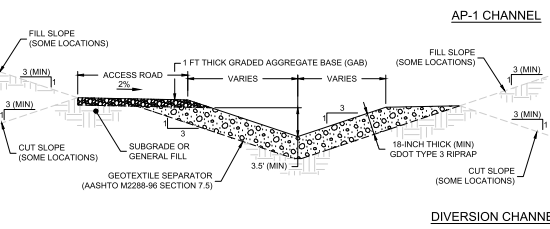
Cd-S **11** **19** **DETAIL**
STONE CHECK DAM
SCALE: NTS



- NOTES FOR APPARENT CHANNELS WITHIN AP-1:**
1. PERMANENT LINING OF APPARENT CHANNELS WITHIN AP-1 AND ABOVE THE POST-CLOSURE POOL ELEVATION (I.E. 781.5 FT) SHALL BE DESIGNED WITH GRASS OR RIPRAP STABILIZATION ACCORDING TO THE SCHEDULED DIMENSIONS ARE BASED ON THE WORST CASE CONDITION (I.E. PEAK DISCHARGE FROM THE 25 YEAR STORM AT THE OUTLETS OF APPARENT CHANNELS DURING THE INTERIM CONDITION WHEN AP-1 IS FULLY DEWATERED). PERMANENT LINING REQUIREMENTS ARE SUBJECT TO CHANGE AND WILL BE REEVALUATED AT THE TIME COR REMOVAL ADVANCES WITHIN A RESPECTIVE APPARENT CHANNEL AREA.
 2. AS A DESIGN ALTERNATIVE FOR PERMANENT LINING, AP-1 CHANNELS ABOVE EL 781.5 FT MAY BE CONSTRUCTED ACCORDING TO THIS DETAIL AND BASED ON THE METHODOLOGY ESTABLISHED IN THE FINAL CLOSURE STORMWATER CALCULATION PACKAGE OF THE PERMIT (PART B ENGINEERING REPORT).
 3. CONTRACTOR IS REQUIRED TO SELECT AND MAINTAIN INTERIM STABILIZATION MEASURES BELOW THE POST-CLOSURE POOL ELEVATION ACCORDING TO THE FINAL STORMWATER AND ESC PLAN (DRAWING 19), WHERE RIPRAP STABILIZATION IS SELECTED AS A BMP FOR THE APPARENT CHANNELS. IT SHALL MEET THE REQUIREMENTS OF NPDES PERMIT NO. GA0628778 AND OTHER APPLICABLE CONSTRUCTION STORMWATER PERMITS.

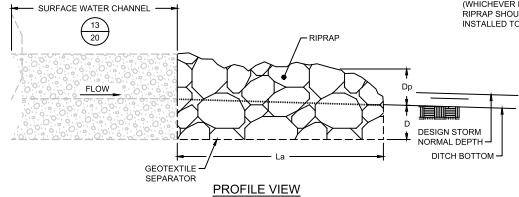
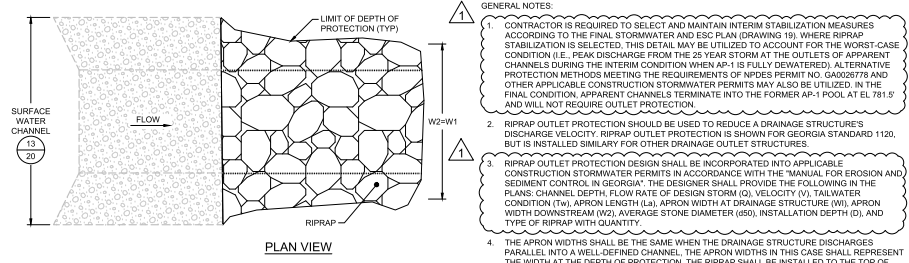
DESIGN ALTERNATIVE DIMENSIONS (NOTE 2)

ID	MIN DEPTH (FT) [D]	BOTTOM WIDTH (FT) [W]	RIPRAP LINING TYPE [T]
CH-01, CH-09/10	2.5	3.0	36" THICK - GDOT TYPE 1
CH-07, CH-02	3.0	4.0	
CH-10, CH-14	2.0	3.0	
CH-03, CH-06, CH-11, CH-12, CH-13, CH-13/14	2.5	3.0	18" THICK - GDOT TYPE 3
CH-08, CH-9	3.0	3.0	
CH-04, CH-05	3.0	4.0	



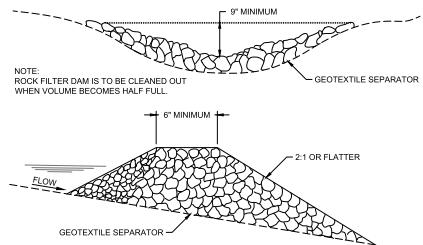
- NOTES FOR DIVERSION CHANNELS:**
1. CUT AND FILL SLOPES SHALL BE NO STEEPER THAN 3H:1V, WITH A MAXIMUM HEIGHT OF 6 FT.
 2. DIVERSION CHANNELS SHALL BE CONSTRUCTED, MAINTAINED, STABILIZED, AND FITTED WITH APPURTENANCES ACCORDING TO APPROVED NPDES PERMIT NO. GA0628778 AND OTHER APPLICABLE CONSTRUCTION STORMWATER PERMITS.
 3. UPON COMPLETION OF COR REMOVAL AND CERTIFICATION, DIVERSION CHANNELS SHALL BE BREACHED ACCORDING TO THE SEQUENCING PLAN SHOWN ON DRAWING 19.

CH **13** **19** **DETAIL**
SURFACE WATER CHANNEL
SCALE: NTS



ID	Q (CFS)	V (FPS)	W1 (FT)	W2 (FT)	APRON LENGTH (FT)	RIPRAP TYPE (D50)	APRON THICKNESS (IN)
CH-01	115	9.4	13	13	30	GDOT TYPE 1 RIP RAP	36
CH-02	107	7.4	14	14	30	GDOT TYPE 1 RIP RAP	36
CH-03	51	6.6	10	10	30	GDOT TYPE 3 RIP RAP	36
CH-04	79	6.3	13	13	30	GDOT TYPE 3 RIP RAP	36
CH-05	108	4.9	17	17	30	GDOT TYPE 3 RIP RAP	36
CH-06	42	5.6	10	10	30	GDOT TYPE 3 RIP RAP	36
CH-07	61	9.0	10	10	30	GDOT TYPE 1 RIP RAP	36
CH-08	97	4.4	17	17	30	GDOT TYPE 3 RIP RAP	36
CH-09	33	5.3	N/A	N/A	N/A	N/A	N/A
CH-10	13	3.7	N/A	N/A	N/A	N/A	N/A
CH-09/10	58	6.7	11	11	30	GDOT TYPE 1 RIP RAP	36
CH-11	53	6.0	11	11	30	GDOT TYPE 3 RIP RAP	36
CH-12	49	5.8	11	11	30	GDOT TYPE 3 RIP RAP	36
CH-13	21	5.5	N/A	N/A	N/A	N/A	N/A
CH-14	19	2.4	N/A	N/A	N/A	N/A	N/A
CH-13/14	52	4.9	12	12	30	GDOT TYPE 3 RIP RAP	36

Op **12** **19** **DETAIL**
OUTLET PROTECTION
SCALE: NTS



Rd **14** **19** **DETAIL**
ROCK FILTER DAM
SCALE: NTS

- REVISED CHANNEL DESIGN AND OUTLET PROTECTION REQUIREMENTS:**
- ADDED DESIGN REQUIREMENTS FOR THE DIVERSION CHANNEL.

REV	DATE	DESCRIPTION	BY	APP
1	11/10/25	MINOR PERMIT MOD 2 - REVISION TO AP-1 DESIGN	WSA	JMG
0	02/06/25	GA EPD COR PERMIT DRAINAGE	DLJ	JMG

STORMWATER AND ESC DETAILS - I

PLANT WANSLEY ASH POND CLOSURE BY REMOVAL
HEARD AND CARROLL COUNTIES, GEORGIA

Geosyntec
CONSULTANTS

Georgia Power

1255 ROBERTS BULEVARD, NW, SUITE 200
KENNESAW, GEORGIA 30144 USA
PHONE: 678.202.9900
WWW.GEOSYNTEC.COM

PROJ. NO. GW9155 DWG. GW7306-13-C20 EDIT: 01/18/25
SCALE: AS SHOWN DATE: NOVEMBER 2025 DRAWING: 20 OF 22

CL:GEO-ADD-DCDCDCGEGEN-TEC-SBP-CANT WANSLEY PROJECT FILE:G:\ADDRESS\1913\DWG\STW\2506_13-C20



PLANT, PLANTING RATE & PLANTING DATE FOR TEMPORARY SEEDING													
SPECIES	BROADCAST RATES	PLANTING DATES											
		J	F	M	A	M	J	J	A	S	O	N	D
BARLEY ALONE	144 LBS/AC										.....	.....	WINTER HARDY. USE ON PRODUCTIVE SOILS
BARLEY IN MIXTURE	24 LBS/AC										.....	.....
LESPEDEZA, ANNUAL ALONE	40 LBS/AC	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	MAY VOLUNTEER FOR SEVERAL YEARS. USE INOCULANT TYPE EL.
LESPEDEZA, ANNUAL IN MIXTURE	10 LBS/AC	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
LOVEGRASS, WEEPING ALONE	4 LBS/AC	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	MAY LAST FOR SEVERAL YEARS. MIX WITH SERICEA LESPEDEZA.
LOVEGRASS, WEEPING IN MIXTURE	2 LBS/AC	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
MILLET, BROWNTOP ALONE	40 LBS/AC	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	QUICK DENSE COVER WILL PROVIDE TOO MUCH COMPETITION IN MIXTURES IF SEEDED AT HIGH RATES.
MILLET, BROWNTOP IN MIXTURE	10 LBS/AC	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	QUICK DENSE COVER MAY REACH 3 FEET IN HEIGHT. NOT RECOMMENDED FOR MIXTURES.
MILLET, PEARL ALONE	50 LBS/AC	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
OATS ALONE	128 LBS/AC	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	USE ON PRODUCTIVE SOILS. NOT AS WINTER HARDY AS RYE OR BARLEY.
OATS IN MIXTURE	32 LBS/AC	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
RYE ALONE	168 LBS/AC	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	QUICK COVER. DROUGHT TOLERANT AND WINTER HARDY.
RYE IN MIXTURE	28 LBS/AC	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
RYEGRASS, ANNUAL ALONE	40 LBS/AC	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	DENSE COVER. VERY COMPETITIVE AND NOT TO BE USED IN MIXTURES.
SUDAGRASS ALONE	60 LBS/AC	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	GOOD ON DROUGHTY SITES. NOT RECOMMENDED FOR MIXTURES.
TRITICALE ALONE	144 LBS/AC	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	USE ON LOWER PART OF SOUTHERN COASTAL PLAIN AND IN ATLANTIC COASTAL FLATWOODS ONLY.
TRITICALE IN MIXTURE	24 LBS/AC	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
WHEAT ALONE	180 LBS/AC	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	WINTER HARDY.
WHEAT WITH OTHER PERENNIALS	30 LBS/AC	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

SOLID LINES INDICATE OPTIMUM DATES, DOTTED LINES INDICATE PERMISSIBLE BUT MARGINAL DATES.

DEFINITION
THE ESTABLISHMENT OF TEMPORARY VEGETATION COVER WITH FAST GROWING SEEDINGS FOR SEASONAL PROTECTION ON DISTURBED OR DENuded AREAS.

CONDITIONS
TEMPORARY VEGETATIVE MEASURES SHOULD BE COORDINATED WITH PERMANENT MEASURES TO ASSURE ECONOMIC AND EFFECTIVE STABILIZATION. MOST TYPES OF TEMPORARY VEGETATION ARE IDEAL TO USE AS COMPANION CROPS UNTIL THE PERMANENT VEGETATION IS ESTABLISHED. NOTE: SOME SPECIES OF TEMPORARY VEGETATION ARE NOT APPROPRIATE FOR COMPANION CROP PLANTINGS BECAUSE OF THEIR POTENTIAL TO OUT-COMPETE THE DESIRED SPECIES (E.G. ANNUAL RYEGRASS). CONTACT NATURAL RESOURCE CONSERVATION SERVICE OR THE LOCAL SOIL WATER CONSERVATION DISTRICT FOR MORE INFORMATION.

SPECIFICATIONS
GRADING AND SHAPING
EXCESSIVE WATER RUNOFF SHALL BE REDUCED BY PROPERLY DESIGNED AND INSTALLED EROSION CONTROL PRACTICES SUCH AS CLOSED SPANS, DITCHES, DIKES, DIVERSIONS, SEDIMENT BARRIERS AND OTHERS. NO SHAPING OR GRADING IS REQUIRED IF SLOPES CAN BE STABILIZED BY HAND-SEEDING VEGETATION OR IF HYDRAULIC SEEDING EQUIPMENT IS TO BE USED.

SEEDING PREPARATION
WHEN A HYDRAULIC SEEDER IS USED, SEEDING PREPARATION IS NOT REQUIRED. WHEN USING CONVENTIONAL OR HAND-SEEDING, SEEDING PREPARATION IS NOT REQUIRED IF THE SOIL MATERIAL IS LOOSE AND NOT SEALED BY RAINFALL. WHEN SOIL HAS BEEN SEALED BY RAINFALL OR CONSISTS OF SMOOTH CUT SLOPES, THE SOIL SHALL BE PITTED, TRENCHED, OR OTHERWISE SCARIFIED TO PROVIDE A PLACE FOR SEED TO LODGE AND GERMINATE.

LINE AND FERTILIZER
AGRICULTURAL LIME IS REQUIRED UNLESS SOIL TESTS INDICATE OTHERWISE. APPLY AGRICULTURAL LIME AT A RATE DETERMINED BY SOIL TEST FOR pH.

Ds2 **15** **19** **DETAIL**

DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
SOURCE: GSWCC

DEFINITION
TACKIFIERS ARE USED AS A TIE-DOWN FOR SOIL, COMPOST, SEED, STRAW, HAY OR MULCH. TACKIFIERS HYDRATE IN WATER AND READILY BLEND WITH OTHER SLURRY MATERIALS TO FORM A HOMOGENEOUS SLURRY.

PURPOSE
TO REDUCE SOIL EROSION FROM WIND AND WATER ON CONSTRUCTION SITES. OTHER BENEFITS INCLUDE SOIL INFILTRATION, SOIL FERTILITY, ENHANCED SEED GERMINATION, INCREASED SOIL COHESION, ENHANCED SOIL STABILIZATION, REDUCED STORMWATER RUNOFF TURBIDITY, AND REDUCTION IN LOSS OF TOPSOIL.

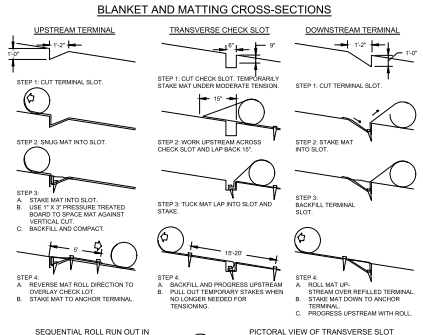
CONDITIONS
THIS PRACTICE IS INTENDED FOR DIRECT SOIL SURFACE APPLICATION TO SITES WHERE THE TIMELY ESTABLISHMENT OF VEGETATION MAY NOT BE FEASIBLE OR WHERE VEGETATION COVER IS ABSENT OR INADEQUATE. SUCH AREAS INCLUDE CONSTRUCTION AREAS, WHERE PLANT RESOURCES ARE INADEQUATE TO PROTECT THE SOIL SURFACE, AND WHERE LAND DISTURBING ACTIVITIES PREVENT THE ESTABLISHMENT OR MAINTENANCE OF A VEGETATIVE COVER.

Tac **17** **19** **DETAIL**

TACKIFIER
SCALE: NTS
SOURCE: GEAC

REVISED STORMWATER POND REQUIREMENTS TO REFLECT THE REPLACEMENT OF THE PREVIOUS NON-CONTACT WATER CONTAINMENT SYSTEM (I.E. A NETWORK OF NON-CONTACT WATER SUMP(S)/PUMPS) WITH A NETWORK OF DIVERSION CHANNELS.

TYPICAL INSTALLATION GUIDELINES FOR ROLLED EROSION CONTROL PRODUCTS (RECP)



CONDITIONS
SLOPE STABILIZATION CAN BE APPLIED TO FLAT AREAS OR SLOPES WHERE THE EROSION HAZARD IS HIGH AND SLOPE PROTECTION IS NEEDED DURING THE ESTABLISHMENT OF VEGETATION.

PERFORMANCE EVALUATION
FOR A PRODUCT OR PRACTICE TO BE APPROVED AS SLOPE STABILIZATION, THAT PRODUCT OR PRACTICE MUST HAVE A DOCUMENTED C-FACTOR OF 0.080, AS SPECIFIED BY GSWCC. FOR COMPLETE TEST PROCEDURES AND APPROVED PRODUCTS LIST PLEASE VISIT WWW.GSWCC.GEORGIA.GOV

PLANNING CONSIDERATIONS
CARE MUST BE TAKEN TO CHOOSE THE TYPE OF SLOPE STABILIZATION PRODUCT WHICH IS MOST APPROPRIATE FOR THE SPECIFIC NEEDS OF A PROJECT. TWO GENERAL TYPES OF SLOPE STABILIZATION PRODUCTS ARE DISCUSSED WITHIN THIS SPECIFICATION.

ROLLED EROSION CONTROL PRODUCTS (RECP)
A NATURAL FIBER BLANKET WITH SINGLE OR DOUBLE PHOTODEGRADABLE OR BIODEGRADABLE NETS.

HYDRAULIC EROSION CONTROL PRODUCTS (HECP)
HECP SHALL UTILIZE STRAW, COTTON, WOOD OR OTHER NATURAL BASED FIBERS HELD TOGETHER BY A SOIL BINDING AGENT WHICH WORKS TO STABILIZE SOIL PARTICLES. PAPER MULCH SHOULD NOT BE USED FOR EROSION CONTROL.

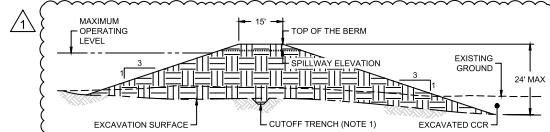
CRITERIA
ROLLED EROSION CONTROL PRODUCTS (RECP) AND HYDRAULIC EROSION CONTROL PRODUCTS (HECP):

- INSTALLATION AND STAPLING OF RECPs AND APPLICATION RATES FOR THE RECPs SHALL CONFORM TO MANUFACTURER'S GUIDELINES FOR APPLICATION.
- PRODUCTS SHALL HAVE A MAXIMUM C-FACTOR (ASTM D6495) FOR THE FOLLOWING GRADE SLOPE (H:V):
 - C-FACTOR (MAX) 3:1 OR GREATER

SITE PREPARATION
AFTER THE SITE HAS BEEN SHAPED AND GRADED TO THE APPROVED DESIGN, PREPARE A FIBER SEEDBED RELATIVELY FREE FROM CLOSDS AND ROCKS MORE THAN ONE INCH IN DIAMETER, AND ANY FOREIGN MATERIAL THAT WILL PREVENT CONTACT OF THE SOIL STABILIZATION MAT WITH THE SOIL SURFACE. SURFACE MUST BE SMOOTH TO ENSURE PROPER CONTACT OF BLANKETS OR MATTING TO THE SOIL SURFACE. IF NECESSARY, REDIRECT ANY RUNOFF FROM THE DITCH OR SLOPE DURING INSTALLATION.

Ss **16** **19** **DETAIL**

SLOPE PROTECTION
SCALE: NTS
SOURCE: GSWCC



- NOTES:**
- CUTOFF TRENCH SHALL HAVE A MINIMUM DEPTH OF 2 FT. HORIZONTAL TO VERTICAL SLOPES OF 1:1. A MINIMUM BOTTOM WIDTH OF 2 FT. AND BE CONSTRUCTED OF RELATIVELY IMPERVIOUS MATERIAL, I.E. COMPACTED EARTH, SOIL-BENTONITE MIX, OR SLURRY.
 - BERMS SHALL BE CONSTRUCTED AS NECESSARY TO RETAIN A MINIMUM NON-CONTACT WATER VOLUME OF 0.5 ACRE-FEET PER ACRE OF UPSTREAM AREA IN WHICH CCR HAS BEEN FULLY REMOVED (183,000 US GALLONS PER ACRE OF CCR EXCAVATION).
 - NO MORE THAN 100 ACRE FEET OF STORMWATER MAY BE RETAINED BY A SINGLE BERM.
 - NO MORE THAN 50 ACRES OF CCR REMOVAL SHALL BE CONDUCTED DOWNSTREAM OF A GIVEN BERM LOCATION PRIOR TO (I) RELOCATING THE BERM DOWNSTREAM OR (II) CONSTRUCTING A SUBSEQUENT BERM.
 - CONTRACTOR AND OWNER SHALL COORDINATE THROUGHOUT CCR EXCAVATION ACTIVITIES TO DETERMINE THE LOCATIONS OF BERMS IN A MANNER CONSISTENT WITH NOTES 1 THROUGH 3.

18 **17** **DETAIL**

STORMWATER PONDS
SCALE: NTS

METHODS AND MATERIALS

- A. TEMPORARY METHODS**
- MULCHES. SEE STANDARD Dd1 - DISTURBED AREA STABILIZATION (WITH MULCHING ONLY). SYNTHETIC MULCHES MAY BE USED INSTEAD OF ASPHALT TO BIND MULCH MATERIAL. REFER TO SPECIFICATION TAC-TACKIFIERS IN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, LATEST EDITION. RESINS SUCH AS CURASOL OR TERRATAK SHOULD BE USED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- B. PERMANENT METHODS**
- PERMANENT VEGETATION. SEE SPECIFICATION Dd3 - DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION) IN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, LATEST EDITION. EXISTING TREES AND LARGE SHRUBS MAY AFFORD VALUABLE PROTECTION IF LEFT IN PLACE.
- TOPSOILING. THIS DETAILS COVERING THE SURFACE WITH LESS EROSION SOIL MATERIAL. SEE SPECIFICATION TP - TOPSOILING IN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, LATEST EDITION.

CONDITIONS
THIS PRACTICE IS APPLICABLE TO AREAS SUBJECT TO SURFACE AND AIR MOVEMENT OF DUST WHERE ON AND OFF-SITE DAMAGE MAY OCCUR WITHOUT TREATMENT.

Du **19** **19** **DETAIL**

DUST CONTROL ON DISTURBED AREAS
SCALE: NTS
SOURCE: GEAC

THE FOLLOWING MEASURES SHALL BE IMPLEMENTED TO MINIMIZE CCR FROM BECOMING AIRBORNE AT THE FACILITY, INCLUDING CCR FUGITIVE DUST ORIGINATING FROM CCR UNITS, ROADS, AND OTHER CCR MANAGEMENT AND MATERIAL HANDLING ACTIVITIES:

- FUGITIVE DUST ORIGINATING FROM THE CLOSURE OF AP-1 WILL BE CONTROLLED USING WATER SUPPRESSION, COMPACTION, SYNTHETIC OR VEGETATIVE COVERS, OR DUST SUPPRESSION AGENTS.
 - CCR THAT IS TRANSPORTED VIA TRUCK TO THE EXISTING ONSITE LANDFILL WILL BE CONDITIONED TO APPROPRIATE MOISTURE CONTENT TO REDUCE THE POTENTIAL FOR FUGITIVE DUST.
 - WATER SUPPRESSION WILL BE USED, AS NEEDED, TO CONTROL FUGITIVE DUST ON FACILITY ROADS USED TO TRANSPORT CCR AND OTHER CCR MANAGEMENT AREAS.
 - SPEED LIMITS WILL BE USED TO REDUCE THE POTENTIAL FOR FUGITIVE DUST.
 - TRUCKS USED TO TRANSPORT CCR WILL BE FILLED TO OR UNDER CAPACITY TO REDUCE THE POTENTIAL FOR MATERIAL SPILLAGE.
- GPC PERSONNEL AND/OR THEIR CONTRACTORS SHALL PERFORM VISUAL OBSERVATIONS OF AP-1 AND SURROUNDING AREAS, APPROPRIATE CORRECTIVE ACTIONS FOR FUGITIVE DUST WILL BE IMPLEMENTED AS NECESSARY. LOGS WILL BE USED TO RECORD THE USE OF WATER-SPRAY EQUIPMENT. AMENDMENTS TO THE FUGITIVE DUST CONTROL PLAN MAY BE MADE AT ANY TIME AS REQUIRED DUE A CHANGE IN CONDITIONS THAT WOULD AFFECT THE IN-PLACE PLAN. ALL REVISIONS TO THE FUGITIVE DUST CONTROL PLAN WILL BE DOCUMENTED AND PLACED IN THE OPERATING RECORD. REFER TO THE CLOSURE PLAN SECTION 6.3.6.

Du-CCR **19A** **21** **DETAIL**

CCR FUGITIVE DUST CONTROL
SCALE: NTS

1	11/10/25	MINOR PERMIT REV 2 - MODIFICATION TO AP-1 DESIGN	WSA	JMG
0	02/06/25	6A EPD CCR PERMIT CHANGES	BLJ	JMG
REV	DATE	DESCRIPTION	OWN	APP

STORMWATER AND ESC DETAILS - II

PLANT WASHES ASH POND CLOSURE BY REMOVAL
HEARD AND CARROLL COUNTIES, GEORGIA

Geosyntec CONSULTANTS

1255 ROBERTS BOLLIVARD, NW, SUITE 200
KENNESAW, GEORGIA 30144 USA
PHONE: 678.202.9900
WWW.GEOSYNTEC.COM

Georgia Power

PROJ. NO.	GW9155	DWG.	GW7306 13-C21	EDIT	01/16/25
SCALE	AS SHOWN	DRAWING			21 OF 22
DATE	NOVEMBER 2025				

CUBIC YARDS OF TOPSOIL REQUIRED FOR APPLICATION TO VARIOUS DEPTHS

	PER 1,000 SQUARE FEET	PER ACRE
1.0"	8.3	228
2.0"	16.7	456
3.0"	25.0	684
4.0"	33.3	912
5.0"	41.7	1140
6.0"	50.0	1368
7.0"	58.3	1596
8.0"	66.7	1824

CONDITIONS

- THIS PRACTICE IS RECOMMENDED FOR SITES OF 2:1 OR FLATTER SLOPES WHERE:
1. THE TEXTURE OF THE EXPOSED SUBSOIL OR PARENT MATERIAL IS NOT SUITABLE TO PRODUCE ADEQUATE VEGETATIVE GROWTH.
2. THE SOIL MATERIAL IS SO SHALLOW THE ROOTING ZONE IS NOT DEEP ENOUGH TO SUPPORT PLANTS WITH CONTINUING SUPPLIES OF MOISTURE AND FOOD.
3. THE SOIL TO BE VEGETATED CONTAINS MATERIAL TOXIC TO PLANT GROWTH.

SPECIFICATIONS

MATERIALS
TOPSOIL SHOULD BE FRIBLIE AND LOAMY, FREE OF DEBRIS, OBJECTIONABLE WEEDS AND STONES, AND CONTAIN NO TOXIC SUBSTANCE THAT MAY BE HARMFUL TO PLANT GROWTH. A pH RANGE OF 5.0-7.5 IS ACCEPTABLE. SOLUBLE SALTS SHOULD NOT EXCEED 500 PPM.

TESTING
FIELD EXPLORATION SHOULD BE MADE TO DETERMINE WHETHER THE QUANTITY AND QUALITY OF SURFACE SOIL JUSTIFIES STRIPPING.

STRIPPING
STRIPPING SHOULD BE CONFINED TO THE IMMEDIATE CONSTRUCTION AREA. A 4 TO 6 INCH STRIPPING DEPTH IS COMMON, BUT MAY VARY DEPENDING ON THE PARTICULAR SOIL.

TOPSOIL pH
IF pH VALUE IS LESS THAN 6.0, LIME SHALL BE APPLIED AND INCORPORATED WITH THE TOPSOIL TO ADJUST THE pH TO 6.5 OR HIGHER. TOPSOILS CONTAINING SOLUBLE SALTS GREATER THAN 500 PARTS PER MILLION SHALL NOT BE USED.

SITE PREPARATION (WHERE TOPSOIL IS TO BE ADDED)
TOPSOILING - WHEN TOPSOILING, MAINTAIN NEEDED EROSION CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, BERMS, DIKES, LEVEL SPREADERS, WATERWAYS, SEDIMENT BASINS, ETC.

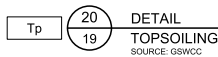
GRADING - GRADES ON THE AREAS TO BE TOPSOILED WHICH HAVE BEEN PREVIOUSLY ESTABLISHED SHALL BE MAINTAINED.

LIMING - SOIL TESTS SHOULD BE USED TO DETERMINE THE pH OF THE SOIL, WHERE THE pH OF THE SUBSOIL IS 9.0 OR LESS OR COMPOSED OF HEAVY CLAYS, AGRICULTURAL LIMESTONE SHALL BE SPREAD AT THE RATE OF 100 POUNDS PER 1,000 SQUARE FEET. LIME SHALL BE DISTRIBUTED UNIFORMLY OVER DESIGNATED AREAS AND WORKED INTO THE SOIL IN CONJUNCTION WITH TILLAGE OPERATIONS AS DESCRIBED IN THE FOLLOWING PROCEDURE.

- BONDING - USE ONE OF THE FOLLOWING METHODS TO INSURE BONDING OF TOPSOIL AND SUBSOIL:**
1. TILLING AFTER THE AREAS TO BE TOPSOILED HAVE BEEN BROUGHT TO GRADE, AND IMMEDIATELY PRIOR TO DUMPING AND SPREADING THE TOPSOIL, THE SUBGRADE SHALL BE LOOSENEED BY DISCING OR SCARIFYING TO A DEPTH OF AT LEAST 3 INCHES TO PERMIT BONDING OF THE TOPSOIL TO THE SUBSOIL.
 2. TRACKING - PASSING A BULLDOZER OVER THE ENTIRE SURFACE AREA OF THE SLOPE TO LEAVE HORIZONTAL DEPRESSIONS.

APPLYING TOPSOIL

1. TOPSOIL SHOULD BE HANDLED ONLY WHEN IT IS DRY ENOUGH TO WORK WITHOUT DAMAGING THE SOIL STRUCTURE.
2. A UNIFORM APPLICATION OF 6 INCHES (UNSETTLED) IS RECOMMENDED, BUT MAY BE ADJUSTED AT THE DISCRETION OF THE ENGINEER OR LANDSCAPE ARCHITECT.



DEFINITION

APPLYING PLANT RESIDUES OR OTHER SUITABLE MATERIALS, PRODUCED ON THE SITE IF POSSIBLE, TO THE SOIL SURFACE.

CONDITIONS

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF DISTURBANCE. MULCH CAN BE USED AS A SINGULAR EROSION CONTROL DEVICE FOR UP TO SIX MONTHS, BUT IT SHALL BE APPLIED AT THE APPROPRIATE DEPTH (DEPENDING ON THE MATERIAL USED), ANCHORED, AND HAVE A CONTINUOUS 30% COVER OR GREATER OF THE SOIL SURFACE. MAINTENANCE SHALL BE REQUIRED TO MAINTAIN APPROPRIATE DEPTH AND 90% COVER. TEMPORARY VEGETATION MAY BE EMPLOYED INSTEAD OF MULCH IF THE AREA WILL REMAIN UNDISTURBED FOR LESS THAN SIX MONTHS.

IF ANY AREA WILL REMAIN UNDISTURBED FOR GREATER THAN SIX MONTHS, PERMANENT VEGETATIVE TECHNIQUES SHALL BE EMPLOYED. REFER TO Ds2-DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING), AND Ds3 - DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION).

SPECIFICATIONS

MULCHING WITHOUT SEEDING:
THIS STANDARD APPLIES TO GRADED OR CLEARED AREAS WHERE SEEDINGS MAY NOT HAVE A SUITABLE GROWING SEASON TO PRODUCE AN EROSION RETARDANT COVER, BUT CAN BE STABILIZED WITH A MULCH COVER.

SITE PREPARATION

1. GRADE TO PERMIT THE USE OF EQUIPMENT FOR APPLYING AND ANCHORING MULCH.
2. INSTALL NEEDED EROSION CONTROL MEASURES AS REQUIRED SUCH AS DIKES, DIVERSIONS, BERMS, TERRACES, AND SEDIMENT BARRIERS.
3. LOOSEN COMPACT SOIL TO A MINIMUM DEPTH OF 3 INCHES.

MULCHING MATERIALS

SELECT ONE OF THE FOLLOWING MATERIALS AND APPLY AT THE DEPTH INDICATED:

1. DRY STRAW OR HAY SHALL BE APPLIED AT A DEPTH OF 2 TO 4 INCHES PROVIDING COMPLETE SOIL COVERAGE. ONE ADVANTAGE OF THIS MATERIAL IS EASY APPLICATION.
2. WOOD WASTE CHIPS, SAWDUST OR BARK SHALL BE APPLIED AT A DEPTH OF 2 TO 3 INCHES. ORGANIC MATERIAL FROM THE CLEARING STAGE OF DEVELOPMENT REMAINING ON SITE CAN BE CHIPPED AND APPLIED AS MULCH. THIS METHOD OF MULCHING CAN GREATLY REDUCE EROSION CONTROL COSTS.
3. POLYETHYLENE FILM SHALL BE SECURED OVER BANKS OR STOCKPILED SOIL MATERIAL FOR TEMPORARY PROTECTION. THIS MATERIAL CAN BE SALVAGED AND RE-USED.

APPLYING MULCH

WHEN MULCH IS USED WITHOUT SEEDING, MULCH SHALL BE APPLIED TO PROVIDE FULL COVERAGE OF THE EXPOSED AREA.

1. DRY STRAW OR HAY MULCH AND WOOD CHIPS SHALL BE APPLIED UNIFORMLY BY HAND OR BY MECHANICAL EQUIPMENT.
2. IF THE AREA WILL EVENTUALLY BE COVERED WITH PERENNIAL VEGETATION, 20-30 POUNDS OF NITROGEN PER ACRE, IN ADDITION TO THE NORMAL AMOUNT, SHALL BE APPLIED TO OFFSET THE UPTAKE OF NITROGEN CAUSED BY THE DECOMPOSITION OF THE ORGANIC MULCHES.

ANCHORING MULCH

STRAW OR HAY MULCH CAN BE PRESSED INTO THE SOIL WITH A DISK HARROW WITH THE DISK SET STRAIGHT OR WITH A SPECIAL "PACKER DISK." DISKS MAY BE SMOOTH OR SERRATED AND SHOULD BE 20 INCHES OR MORE IN DIAMETER AND 8 TO 12 INCHES APART. THE EDGES OF THE DISK SHOULD BE DULL ENOUGH NOT TO CUT THE MULCH BUT TO PRESS IT INTO THE SOIL, LEAVING MULCH OR IN AN ERRECT POSITION. STRAW OR HAY MULCH SHALL BE ANCHORED IMMEDIATELY AFTER APPLICATION. STRAW OR HAY MULCH SPREAD WITH SPECIAL BLOWER-TYPE EQUIPMENT MAY BE ANCHORED TACKIFIERS, BINDERS, AND HYDRAULIC MULCH WITH TACKIFIER SPECIFICALLY DESIGNED FOR TACKING STRAW. SOME PERENNIAL SPECIES ARE EASILY ESTABLISHED AND CAN BE PLANTED ALONE. EXAMPLES OF THESE ARE COMMON BERMUDA, TALL FESCUE, AND WEEPING LOVEGRASS. OTHER PERENNIALS, SUCH AS BAHIA GRASS AND SERICEA LESPEDEZA, ARE SLOW TO BECOME ESTABLISHED AND SHOULD BE PLANTED WITH ANOTHER PERENNIAL SPECIES. THE ADDITIONAL SPECIES WILL PROVIDE QUICK COVER AND AMPLE SOIL PROTECTION UNTIL THE TARGET PERENNIAL SPECIES BECOME ESTABLISHED. FOR EXAMPLE, COMMON SEEDING COMBINATIONS ARE 1) WEEPING LOVEGRASS WITH SERICEA LESPEDEZA (SCARIFIED) AND 2) TALL FESCUE WITH SERICEA LESPEDEZA (UNSPRINGS). PLANT SELECTION MAY ALSO INCLUDE ANNUAL COMPANION CROPS. ANNUAL COMPANION CROPS SHOULD BE USED ONLY WHEN THE PERENNIAL SPECIES ARE NOT PLANTED DURING THEIR OPTIMUM PLANTING PERIOD. A COMMON MIXTURE IS BROWN TOP MILLET WITH COMMON BERMUDA IN MID SUMMER. CARE SHOULD BE TAKEN IN SELECTING COMPANION CROP SPECIES AND SEEDING RATES BECAUSE ANNUAL CROPS WILL COMPETE WITH PERENNIAL SPECIES FOR PLANT NUTRIENTS, AND GROWING SPACE. A HIGH SEEDING RATE OF THE COMPANION CROP MAY PREVENT THE ESTABLISHMENT OF PERENNIAL SPECIES. RYEGRASS SHALL NOT BE USED IN ANY SEEDING MIXTURES CONTAINING PERENNIAL SPECIES DUE TO ITS ABILITY TO OUT-COMPETE DESIRED SPECIES CHOSEN FOR PERMANENT PERENNIAL COVER.



FERTILIZER REQUIREMENTS

WARM SEASON GRASSES			
YEAR	EQUIVALENT N-P-K	ANALYSIS OR RATE	TOP DRESSING
FIRST	5-12-12	1500 LBS/AC	50-100 LBS/AC 2W
SECOND	5-12-12	1000 LBS/AC	50-100 LBS/AC 2W
MAINTENANCE	10-10-10	500 LBS/AC	30 LBS/AC

COOL SEASON GRASSES			
YEAR	EQUIVALENT N-P-K	ANALYSIS OR RATE	TOP DRESSING
FIRST	5-12-12	2000 LBS/AC	50 LBS/AC 2W
SECOND	0-10-10	1000 LBS/AC	---
MAINTENANCE	10-10-10	500 LBS/AC	---

PLANT PLANTING RATE & PLANTING DATE FOR PERMANENT COVER

SPECIES	BROADCAST RATES	PLANTING DATES												PLANTING DATE REMARKS
		J	F	M	A	M	J	J	A	S	O	N	D	
LESPEDEZA SERICEA SCARIFIED	60 LBS/AC	..	..	..	..	..	..	..	..	..	..	..	..	WIDELY ADAPTED. LOW MAINTENANCE. MIX WITH COMMON BERMUDA OR TALL FESCUE. INOCULATE SEED WITH EL INOCULANT.
LESPEDEZA SERICEA UNSCARIFIED	75 LBS/AC	..	..	..	..	..	..	..	..	..	..	..	..	MIX WITH TALL FESCUE.
PENSACOLA BAHIA SEDONE OR WITH TEMPORARY COVER	60 LBS/AC	..	..	..	..	..	..	..	..	..	..	..	..	LOW GROWING, SOFT FORMING, SLOW TO ESTABLISH. PLANT WITH A COMPANION CROP. WILL SPREAD INTO BERMUDA PASTURES AND LAWNS. MIX WITH SERICEA LESPEDEZA.
WILMINGTON BAHIA WITH OTHER PERENNIALS	30 LBS/AC	..	..	..	..	..	..	..	..	..	..	..	..	---
TALL FESCUE ALONE	50 LBS/AC	..	..	..	..	..	..	..	..	..	..	..	..	USE ALONE ONLY ON BETTER SITES. MIX WITH PERENNIAL LESPEDEZA OR CROWNWEED. APPLY TOP DRESSING IN SPRING FOLLOWING PLANTING. NOT FOR HEAVY USE AREAS OR ATHLETIC FIELDS.
TALL FESCUE WITH OTHER PERENNIALS	30 LBS/AC	..	..	..	..	..	..	..	..	..	..	..	..	---
REED CANARY GRASS ALONE	50 LBS/AC	..	..	..	..	..	..	..	..	..	..	..	..	---
REED CANARY GRASS WITH OTHER PERENNIALS	30 LBS/AC	..	..	..	..	..	..	..	..	..	..	..	..	---
COMMON BERMUDA UNHILLED SEED WITH TEMPORARY COVER	10 LBS/AC	..	..	..	..	..	..	..	..	..	..	..	..	PLANT WITH WINTER ANNUALS.
COMMON BERMUDA UNHILLED SEED WITH OTHER PERENNIALS	6 LBS/AC	..	..	..	..	..	..	..	..	..	..	..	..	PLANT WITH TALL FESCUE.

SOLID LINES INDICATE OPTIMUM DATES, DOTTED LINES INDICATE PERMISSIBLE BUT MARGINAL DATES.

DEFINITION

THE PLANTING OF PERENNIAL VEGETATION SUCH AS TREES, SHRUBS, VINES, GRASSES, OR LEGUMES ON EXPOSED AREAS FOR FINAL PERMANENT STABILIZATION. PERMANENT PERENNIAL VEGETATION SHALL BE USED TO ACHIEVE FINAL STABILIZATION.

CONDITIONS

PERMANENT PERENNIAL VEGETATION IS USED TO PROVIDE A PROTECTIVE COVER FOR EXPOSED AREAS INCLUDING CUTS, FILLS, DAMS, AND OTHER DENuded AREAS.

SPECIFICATIONS

GRADING AND SHAPING
GRADING AND SHAPING MAY NOT BE REQUIRED WHERE HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS TO BE USED. VERTICAL BANKS SHALL BE SLOPED TO ENABLE PLANT ESTABLISHMENT. WHEN CONVENTIONAL SEEDING AND FERTILIZING ARE TO BE DONE, GRADE AND SHAPE WHERE FEASIBLE AND PRACTICAL, SO THAT EQUIPMENT CAN BE USED SAFELY AND EFFICIENTLY DURING SEEDBED PREPARATION, SEEDING, MULCHING AND MAINTENANCE OF THE VEGETATION. CONCENTRATIONS OF WATER THAT WILL CAUSE EXCESSIVE SOIL EROSION SHALL BE DIVERTED TO A SAFE OUTLET. DIVERSIONS AND OTHER TREATMENT PRACTICES SHALL CONFORM WITH THE APPROPRIATE STANDARDS AND SPECIFICATIONS.

SEEDBED PREPARATION
SEEDBED PREPARATION MAY NOT BE REQUIRED WHERE HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS TO BE USED (BUT IS STRONGLY RECOMMENDED FOR ANY SEEDING PROCESS, WHEN POSSIBLE). WHEN CONVENTIONAL SEEDING IS TO BE USED, SEEDBED PREPARATION WILL BE DONE AS FOLLOWS:

BROADCAST PLANTINGS

1. TILLAGE, AT A MINIMUM, SHALL ADEQUATELY LOOSEN THE SOIL TO A DEPTH OF 4 TO 6 INCHES; ALLEVIATE COMPACTION; INCORPORATE LIME AND FERTILIZER; SMOOTH AND FIRM THE SOIL; ALLOW FOR THE PROPER PLACEMENT OF SEED, SPRINGS, OR PLANTS; AND ALLOW FOR THE ANCHORING OF STRAW OR HAY MULCH IF A DISK IS TO BE USED.
2. TILLAGE MAY BE DONE WITH ANY SUITABLE EQUIPMENT.
3. TILLAGE SHOULD BE DONE ON THE CONTOUR WHERE FEASIBLE.
4. ON SLOPES TOO STEEP FOR THE SAFE OPERATION OF TILLAGE EQUIPMENT, THE SOIL SURFACE SHALL BE PITTED OR TRENCHED ACROSS THE SLOPE WITH APPROPRIATE HAND TOOLS TO PROVIDE TWO PLACES 4 TO 8 INCHES APART IN WHICH SEED MAY LOOSE AND GERMINATE. HYDRAULIC SEEDING MAY ALSO BE USED.

INDIVIDUAL PLANTS

1. WHERE INDIVIDUAL PLANTS ARE TO BE SET, THE SOIL SHALL BE PREPARED BY EXCAVATING HOLES, OPENING FURROWS, OR DRIBBLE PLANTING.
2. FOR NURSERY STOCK PLANTS, HOLES SHALL BE LARGE ENOUGH TO ACCOMMODATE ROOTS WITHOUT CROWDING.
3. WHERE PINE SEEDINGS ARE TO BE PLANTED, SUBSOIL UNDER THE ROW 36 INCHES DEEP ON THE CENTER FOUR TO SIX MONTHS PRIOR TO PLANTING. SUBSOILING SHOULD BE DONE WHEN THE SOIL IS DRY, PREFERABLY IN AUGUST OR SEPTEMBER.

PLANTING

HYDRAULIC SEEDING
MIX THE SEED (INOCULATED IF NEEDED), FERTILIZER, AND WOOD CELLULOSE OR WOOD PULP FIBER MULCH WITH WATER AND APPLY IN A SLURRY UNIFORMLY OVER THE AREA TO BE TREATED. APPLY WITHIN ONE HOUR AFTER THE MIXTURE IS MADE.

CONVENTIONAL SEEDING
SEEDING WILL BE DONE ON A FRESHLY PREPARED AND FIRMLY SEEDBED, FOR BROADCAST PLANTINGS, USE A CULTIPACKER-SEEDER, DRILL ROTARY SEEDER, OTHER MECHANICAL SEEDER, OR HAND SEEDING TO DISTRIBUTE THE SEED UNIFORMLY OVER THE AREA TO BE TREATED. COVER THE SEED LIGHTLY WITH 1/8 TO 1/4 INCH OF SOIL FOR SMALL SEEDS AND 1/2 TO 1 INCH FOR LARGER SEED WHEN USING A CULTIPACKER OR OTHER SUITABLE EQUIPMENT.

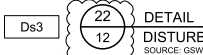
NO-TILLING SEEDING
NO-TILLING SEEDING IS PERMISSIBLE INTO ANNUAL COVER CROPS WHEN PLANTING IS DONE FOLLOWING MATURITY OF THE COVER CROP OR IF THE TEMPORARY COVER STAND IS SPARSE ENOUGH TO ALLOW ADEQUATE GROWTH OF THE PERMANENT PERENNIAL SPECIES. NO-TILL SEEDING SHALL BE DONE WITH APPROPRIATE NO-TILL SEEDING EQUIPMENT. THE SEED MUST BE UNIFORMLY DISTRIBUTED AND PLANTED AT THE PROPER DEPTH.

INDIVIDUAL PLANTS

SHRUBS, VINES AND SPRINGS MAY BE PLANTED WITH APPROPRIATE PLANTERS OR HAND TOOLS. PINE TREES SHALL BE PLANTED MANUALLY IN THE SUBSOIL FURROW. EACH PLANT SHALL BE SET IN A MANNER THAT WILL AVOID CROWDING THE ROOTS.

NURSERY STOCK PLANTS SHALL BE PLANTED AT THE SAME DEPTH OR SLIGHTLY DEEPER THAN THEY GREW AT THE NURSERY, THE TIPS OF VINES AND SPRIGS MUST BE AT OR SLIGHTLY ABOVE THE GROUND SURFACE.

WHERE INDIVIDUAL HOLES ARE DUG, FERTILIZER SHALL BE PLACED IN THE BOTTOM OF THE HOLE, TWO INCHES OF SOIL SHALL BE ADDED, AND THE PLANT SHALL BE SET IN THE HOLE.



REV	DATE	DESCRIPTION	DRN	APP
1	11/10/25	MINOR PERMIT MOD 2 - REVISION TO AP1 DESIGN	WSA	JMG
0	02/06/25	GA EPD CCR PERMIT CHANGES	DLJ	JMG

STORMWATER AND ESC DETAILS - III

PLANT WANSLEY ASH POND CLOSURE BY REMOVAL HEARD AND CARROLL COUNTIES, GEORGIA

1255 ROBERTS BOWL EVARD, NW, SUITE 200 HENNESAW, GEORGIA 30144 USA	PHONE: 678.202.9900 WWW.GEOSYNTEC.COM
PROJ. NO. GW9155	DWG. GW7306 13-C22
SCALE AS SHOWN	DRAWING 22 OF 22
DATE NOVEMBER 2025	

Digitally signed by
Jeremy Gasser
Date: 2025.11.10
15:53:14 -0500



UPDATED DETAIL REFERENCES