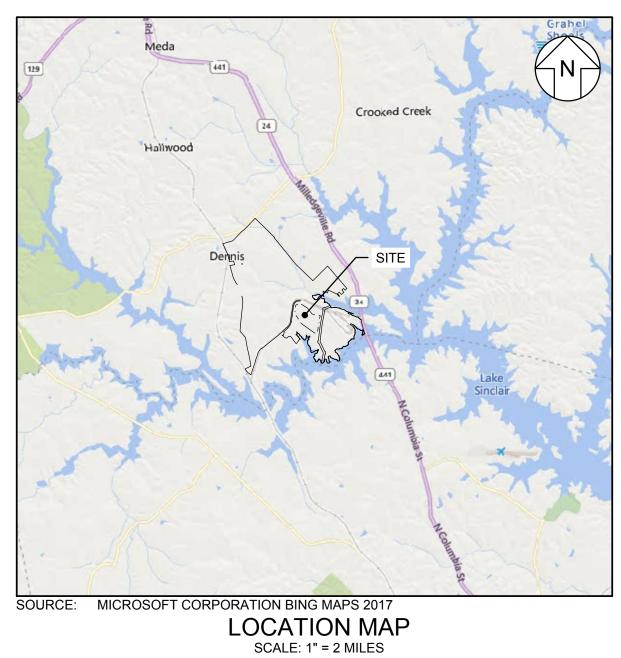
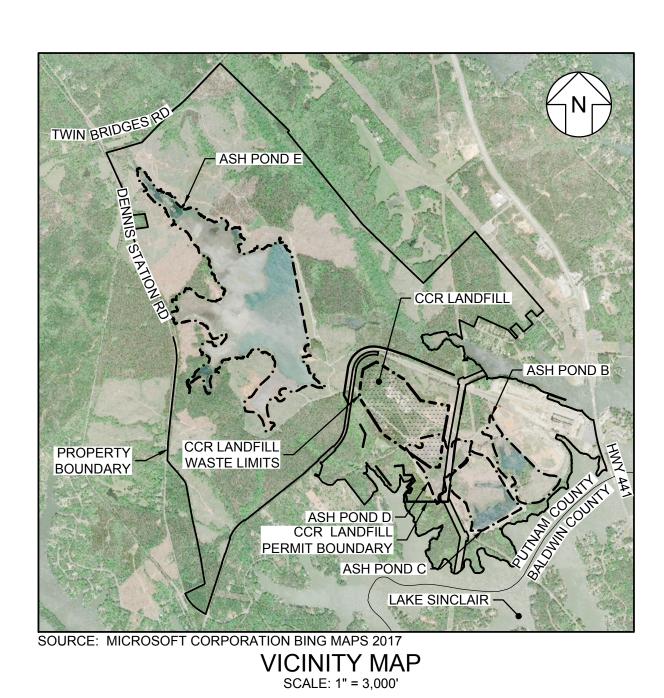
PLANT BRANCH CCR LANDFILL PUTNAM COUNTY, GEORGIA







	LIST OF DRAWINGS	~~~~~
DRAWING NO.	DRAWING TITLE	REV. NO.
1	COVER SHEET	1
2	LEGENDS, ABBREVIATIONS, AND REFERENCE NOTES	1 1
3	PROPERTY BOUNDARY SURVEY	0
4	EXISTING SITE CONDITIONS	1
5	LINER (TOP OF GEOMEMBRANE) GRADING PLAN	1
6	FINAL COVER GRADING PLAN) 1
7	SITE CROSS SECTIONS I	1
8	SITE CROSS SECTIONS II	1
9	LINER SYSTEM DETAILS I	0
10	LINER SYSTEM DETAILS II	0
11	LEACHATE MANAGEMENT SYSTEM PLAN	1
12	LEACHATE MANAGEMENT SYSTEM DETAILS I	0
13	LEACHATE MANAGEMENT SYSTEM DETAILS II	0
14	LEACHATE MANAGEMENT SYSTEM DETAILS III	0
15	LEACHATE MANAGEMENT SYSTEM DETAILS IV	0
16	LEACHATE MANAGEMENT SYSTEM DETAILS V	0
17	FINAL COVER SYSTEM DETAILS I	0
18	FINAL COVER SYSTEM DETAILS II	0
19	PHASING PLAN	1
20	STORMWATER MANAGEMENT SYSTEM PLAN	1 1
21	STORMWATER MANAGEMENT SYSTEM DETAILS I	0
22	STORMWATER MANAGEMENT SYSTEM DETAILS II	1
23	STORMWATER MANAGEMENT SYSTEM DETAILS III	1 1
24	EROSION AND SEDIMENT CONTROL AND MISCELLANEOUS DETAILS	0
25	SITE GROUNDWATER MONITORING PLAN	1



PREPARED FOR:



MANAGER
GEORGIA POWER ENVIRONMENTAL AFFAIRS
241 RALPH MCGILL BOULEVARD NE
ATLANTA, GEORGIA 30308
404.506.6505

PREPARED BY:

Geosyntec consultants

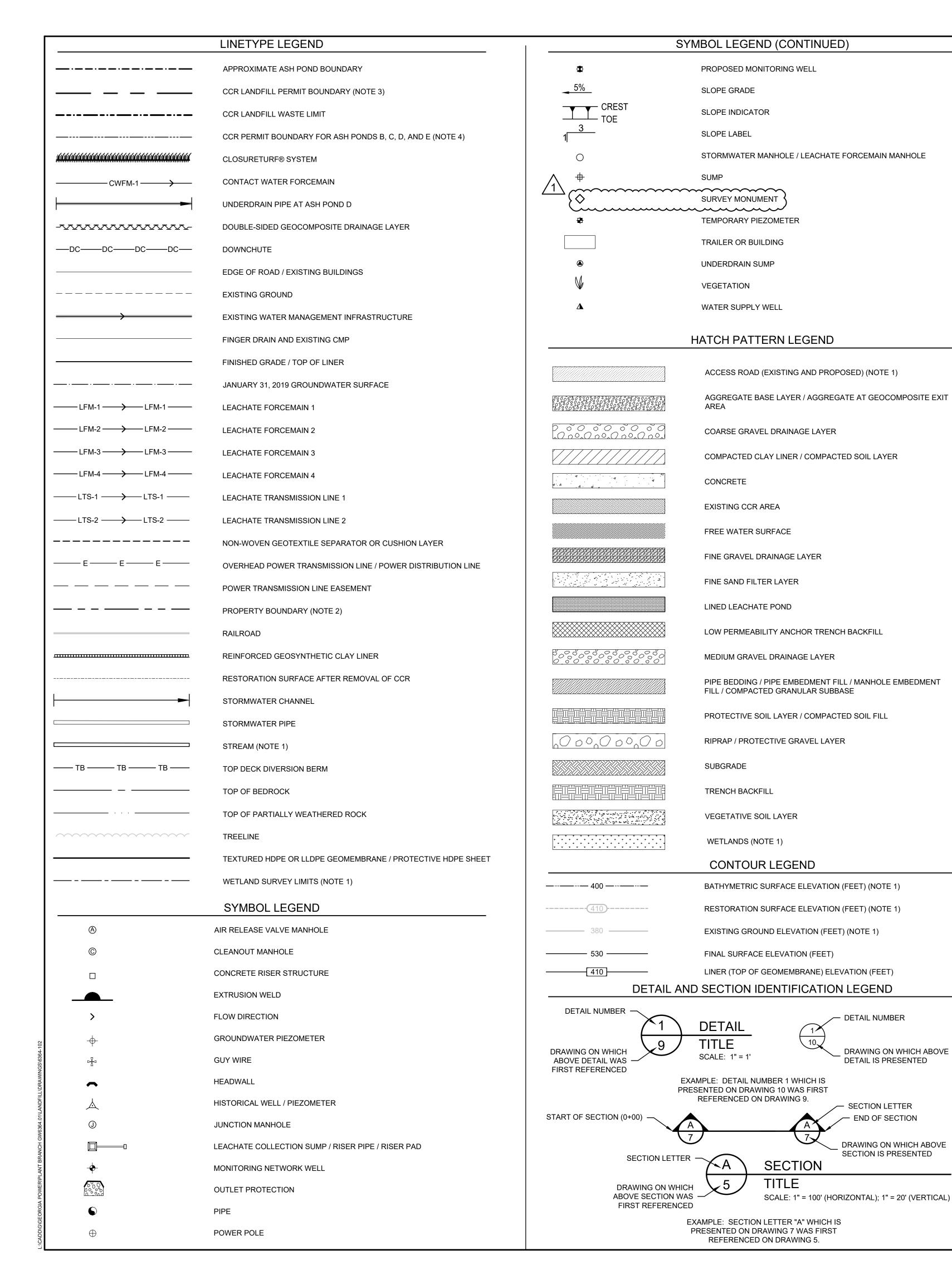
1255 ROBERTS BOULEVARD NW, SUITE 200 KENNESAW, GEORGIA 30144 678.202.9500





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	1	09.22.23	GA EPD SUBMITTAL	JHS	MI
	\sim	10.14.22	GA EPD SUBMITTAL	SRN	MI
	REV	DATE	DESCRIPTION	DRN	APP
			COVER SHEET		
			PLANT BRANCH CCR LANDFILI PUTNAM COUNTY, GEORGIA	-	
3	(Geos co	yntec [©] nsultants	GEORGIA CERT AUTHORIZATIOI PEF000260, EXP	N (COA) NO.

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	RTS BOULEVARD NW, SUITE 200 , GEORGIA 30144-3694				HONE: 678. V.GEOSYNT		
J. NO.	GW6364	DWG.	6364-101	EC)IT 09.	22.23	
.E	AS SHOWN			1	OF	25	
DRAWING 1 OF				23			



ABBREVIATIONS TWO-DIMENSIONAL 2-D APPROVED BY APPROX. APPROXIMATE COAL COMBUSTION RESIDUALS CENTIMETERS PER SECOND CM/SEC CORRUGATED METAL PIPE CENTERLINE CUBIC YARD DIAMETER DIA DRAWN BY DRN DRAWING DWG EAST OR EASTING **ELEVATION ENVIRONMENTAL PROTECTION DIVISION** EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN **GRAVITATIONAL ACCELERATION GEORGIA** GEOSYNTHETIC CLAY LINER GDOT GEORGIA DEPARTMENT OF TRANSPORTATION GEORGIA POWER COMPANY GEORGIA SOIL AND WATER CONSERVATION COMMISSION HORIZONTAL TO VERTICAL LENGTH RATIO FOR A SLOPE HIGH DENSITY POLYETHYLENE **HIGHWAY IDENTIFIER / INTERIOR DIAMETER INCH INVERT** HYDRAULIC CONDUCTIVITY KILOVOLT ΚV **POUND** LINEAR LOW-DENSITY POLYETHYLENE MAXMAXIMUM MINIMUM MALE PIPE THREAD MEAN SEA LEVEL NORTH OR NORTHING NORTH AMERICAN DATUM NORTH AMERICAN VERTICAL DATUM OF 1988 **NORTHEAST** NUMBER NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM NATIONAL STONE ASSOCIATION N.S.A. NOT TO SCALE NTS **NORTHWEST** NW ON CENTER PROJ **PROJECT** PVC POLYVINYL CHLORIDE REINFORCED CONCRETE PIPE ROAD RD REVISION REV GEORGIA SOUTH SCH SCHEDULE **ENVIRONMENTAL PROTECTION DIVISION Approved** SOUTHERN COMPANY SERVICES SCS **Solid Waste Management Program** SDR STANDARD DIMENSION RATIO Approved By: ___Rima Naji Digitally signed by Rima Naji Date: 2024.01.19 13:39:10-05% STAINLESS STEEL STORMWATER CHANNEL STORMWATER PIPE

TYP

W.S.

TYPICAL

UNITED STATES

WATER SURFACE

WASTE WATER TREATMENT SYSTEM

PERCENT OR PERCENTILE

REFERENCE NOTES

- EXISTING GROUND CONTOURS SHOWN ON THIS DRAWING SET WERE OBTAINED FROM THE LIDAR SURVEY PERFORMED. BY GEORGIA POWER COMPANY ON 1 AUGUST 2020 AND PROVIDED WITH THE ELECTRONIC FILE TITLED "BRANCH 1FTCONTOURS". BATHYMETRY, UTILITIES, EXISTING ROADS, AND TREE LINES SHOWN ON THIS DRAWING SET WERE OBTAINED FROM ELECTRONIC FILES PROVIDED BY GEORGIA POWER COMPANY TITLED "BULK PROPERTY", DATED 16 JANUARY 2014, AND AS PART OF THE "PLANT BRANCH ASH POND B, C, & D REMEDIATION PLAN AND ASH POND E CLOSURE PLAN" DATED 4 JUNE 2017. CONTOURS WITHIN THE BEAVER POND WERE OBTAINED FROM A BATHYMETRIC MAP PREPARED BY SOUTHERN COMPANY CONSTRUCTION FIELD SERVICES AND DATED JUNE 2019. CONTOURS WITHIN THE EXISTING BORROW AREA WERE OBTAINED FROM A TOPO SURVEY PERFORMED BY JORDAN ENGINEERING, DATED OCTOBER 2019. RESTORATION GRADES SHOWN IN THE FOOTPRINTS OF ASH PONDS B, C, AND D ON THIS DRAWING SET WERE OBTAINED FROM PERMIT DRAWINGS TITLED "PLANT BRANCH CCR SURFACE IMPOUNDMENT CLOSURES ASH PONDS B, C, AND D CLOSURE-BY-REMOVAL PUTNAM COUNTY, GEORGIA" PREPARED BY GEOSYNTEC CONSULTANTS DATED APRIL 2020. STREAMS AND WETLANDS WERE OBTAINED FROM THE "PLANT BRANCH SITE ENVIRONMENTAL SURVEY", "PLANT BRANCH SITE ENVIRONMENTAL SURVEY PART TWO", "ECOLOGY SURVEY REPORT GEORGIA POWER COMPANY PLANT BRANCH - CENTRAL AREA PUTNAM COUNTY, GEORGIA", AND "JURISDICTIONAL DETERMINATION REQUEST, PLANT BRANCH" BY ECOLOGICAL SOLUTIONS INC., DATED SEPTEMBER 2018, NOVEMBER 2018, MAY 2019, AND JULY 2020 RESPECTIVELY. THE SURVEY WAS LIMITED TO THE PROJECT AREA AND ITS IMMEDIATE VICINITY AND THIS DRAWING SET PRESENTS WETLANDS AND STREAMS LOCATED WITHIN THE SURVEY LIMITS ONLY. LETTERS FROM THE U.S. ARMY CORPS OF ENGINEERS, DATED 30 MAY 2019 AND 5 OCTOBER 2020, INDICATED THAT THE FIELD DELINEATION, PERFORMED ON 6 SEPTEMBER 2018 AND PRESENTED IN THE ECOLOGY SURVEY REPORT DATED MAY 2019, AND FIELD DELINEATION, PERFORMED ON MAY 2020 AND PRESENTED IN THE JURISDICTIONAL DETERMINATION REQUEST REPORT DATED JULY 2020 ARE VALID FOR A PERIOD OF FIVE YEARS, UNLESS NEW INFORMATION WARRANTS REVISION PRIOR TO THAT DATE.
- PROPERTY BOUNDARY WAS OBTAINED FROM THE "PROPERTY BOUNDARY SURVEY, PLANT HARLLEE BRANCH". PREPARED BY JORDAN ENGINEERING, DATED 10 SEPTEMBER 2018, AND PROVIDED BY GEORGIA POWER COMPANY.

CCR LANDFILL PERMIT BOUNDARY WAS OBTAINED FROM "SITE ACCEPTABILITY REPORT FOR PROPOSED CCR LANDFILL" PREPARED BY GEOSYNTEC CONSULTANTS, ORIGINALLY DATED JULY 2019 AND REVISED WITH AN ADDENDUM, WITH THE LATEST VERSION DATED JANUARY 2022.

- 4. CCR PERMIT BOUNDARY FOR ASH PONDS B, C, D, AND E SHOWN ON DRAWING 4 WAS OBTAINED FROM THE "PROPERTY BOUNDARY SURVEY, PLANT HARLLEE BRANCH ASH PONDS B, C & D - PROPOSED CCR PERMIT BOUNDARY" AND "PROPERTY BOUNDARY SURVEY, PLANT HARLLEE BRANCH ASH POND E - PROPOSED CCR PERMIT BOUNDARY" PREPARED BY JORDAN ENGINEERING, DATED APRIL 9, 2020 AND JULY 3, 2020, RESPECTIVELY AND PROVIDED BY GEORGIA POWER COMPANY.
- GRID COORDINATE SYSTEM CORRESPONDS TO NORTH AMERICAN DATUM (NAD) 1983, GEORGIA WEST ZONE.
- 6. ELEVATIONS ARE IN FEET ABOVE MEAN SEA LEVEL (MSL), NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- 7. CONSTRUCTION ACCESS ROADS, ACCESS RAMPS, AND ASSOCIATED STORMWATER FEATURES WILL BE INCLUDED IN THE DETAILED DESIGN DRAWINGS.
- 8. ADDITIONAL STORMWATER FEATURES (E.G., BERMS, CHANNELS, BENCHES, AND DOWNCHUTES) AND EROSION AND SEDIMENT CONTROLS MAY BE IMPLEMENTED AS NEEDED FOR THE CONSTRUCTION AND POST-CONSTRUCTION SITE CONDITIONS.
- 9. MATERIAL PROPERTY REQUIREMENTS FOR FILL SOIL LAYERS, LINER SYSTEMS, FINAL COVER SYSTEMS, AND STORMWATER MANAGEMENT SYSTEMS ARE PROVIDED IN THE "CONSTRUCTION QUALITY ASSURANCE PLAN, PLANT BRANCH CCR LANDFILL PUTNAM COUNTY, GEORGIA" PREPARED BY GEOSYNTEC CONSULTANTS, DATED OCTOBER 2022. 10. SKILLS CENTER DEMOLITION SCOPE WAS IN PROGRESS WHEN THIS DRAWING SET WAS PREPARED, AND THEREFORE INFRASTRUCTURE WITHIN THE LANDFILL CELLS SHOWN ON THIS DRAWING SET MAY NOT REPRESENT THE ACTUAL SITE CONDITIONS PRIOR TO CCR LANDFILL CONSTRUCTION.
- 11. MAXIMUM HORIZONTAL GROUND ACCELERATION OF 0.1235G HAS BEEN REVISED TO 0.1466G IN ACCORDANCE WITH THE LATEST VERSION OF THE UNITED STATES GEOLOGICAL SURVEY NATIONAL SEISMIC HAZARD MODEL (NSHM CONTERMINOUS U.S. 2018).

ALL EROSION CONTROL MEASURES WILL BE IN CONFORMANCE WITH THE CURRENT EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA." STORMWATER CONTROLS AND BEST MANAGEMENT PRACTICES WILL BE DESIGNED, INSTALLED, AND MAINTAINED IN ACCORDANCE WITH THE APPLICABLE NPDES CONSTRUCTION STORMWATER DISCHARGE GENERAL PERMIT, NPDES INDUSTRIAL STORMWATER DISCHARGE GENERAL PERMIT, AND/OR THE FACILITY'S NPDES INDUSTRIAL WASTEWATER DISCHARGE INDIVIDUAL PERMIT

GENERAL EROSION AND SEDIMENT CONTROL (E&SC) NOTES

- 2. STORMWATER DISCHARGES ASSOCIATED WITH CCR LANDFILL CONSTRUCTION ACTIVITIES WILL BE COVERED UNDER THE APPLICABLE NPDES CONSTRUCTION STORMWATER DISCHARGE GENERAL PERMIT, NPDES INDUSTRIAL STORMWATER DISCHARGE GENERAL PERMIT, AND/OR THE FACILITY'S NPDES INDUSTRIAL WASTEWATER DISCHARGE
- 3. STATE WATERS BUFFERS WILL REMAIN UNDISTURBED, EXCEPT WHERE ENCROACHMENT IS REQUIRED TO FACILITATE CCR LANDFILL CONSTRUCTION ACTIVITIES. UNLESS OTHERWISE EXEMPTED BY THE APPROPRIATE NPDES CONSTRUCTION STORMWATER DISCHARGE GENERAL PERMIT, A STATE WATERS BUFFER VARIANCE WILL BE OBTAINED FROM GEORGIA EPD'S WATERSHED PROTECTION BRANCH PRIOR TO BUFFER ENCROACHMENT. GEORGIA EPD'S SOLID WASTE MANAGEMENT BRANCH WILL BE NOTIFIED WHEN GEORGIA POWER COMPANY (GPC) ENVIRONMENTAL AFFAIRS APPLIES FOR A STATE WATERS BUFFER VARIANCE. CONTACT GPC ENVIRONMENTAL AFFAIRS FOR ASSISTANCE.
- 4. PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES FOR THIS PROJECT, THE PERMITTED BOUNDARY, THE LIMITS OF DISTURBANCE, AND ALL WETLANDS AND STATE WATERS BUFFERS WITHIN 200 FEET OF THE LIMITS OF DISTURBANCE OR WITHIN THE PROPERTY BOUNDARY (WHICHEVER IS CLOSER) WILL BE CLEARLY FLAGGED AND STAKED. THESE MARKINGS WILL BE MAINTAINED UNTIL COMPLETION OF CONSTRUCTION / CLOSURE ACTIVITIES. SHOULD ANY OF THE MARKINGS BE DISTURBED, THE CONTRACTOR WILL NOTIFY GEORGIA POWER COMPANY IMMEDIATELY. ALL CONSTRUCTION PERSONNEL WILL BE SHOWN THE LOCATION OF THE LIMITS OF DISTURBANCE, STATE WATER BUFFERS, STATE WATERS AND WETLANDS OUTSIDE THE LIMITS OF DISTURBANCE TO PREVENT HEAVY EQUIPMENT ENCROACHMENT INTO THESE AREAS.

CERTIFICATION STATEMENTS

- I CERTIFY THAT WETLANDS LOCATED WITHIN THE CCR PERMIT BOUNDARY WILL NOT BE IMPACTED AS A RESULT OF CONSTRUCTION ACTIVITIES AT THE SITE.
- I HAVE REVIEWED THE INFORMATION PRESENTED IN THIS DRAWING SET, AND IN MY PROFESSIONAL OPINION, ALL CONTAINMENT STRUCTURES ARE DESIGNED TO RESIST A MAXIMUM HORIZONTAL GROUND ACCELERATION OF 0.1466G.

SIGNATURE:

MEHMET ISCIMEN, P.E. NO.034164

09.22.23 GA EPD SUBMITTAL JHS I MI 10.14.22 GA EPD SUBMITTAL REV DATE DESCRIPTION DRN APP

LEGENDS, ABBREVIATIONS, AND REFERENCE NOTES

PLANT BRANCH CCR LANDFILL

GEORGIA CERTIFICATE OF

AUTHORIZATION (COA) NO PEF000260, EXP. 06/30/2024

PHONE: 678.202.9500

PUTNAM COUNTY, GEORGIA

Georgia Power

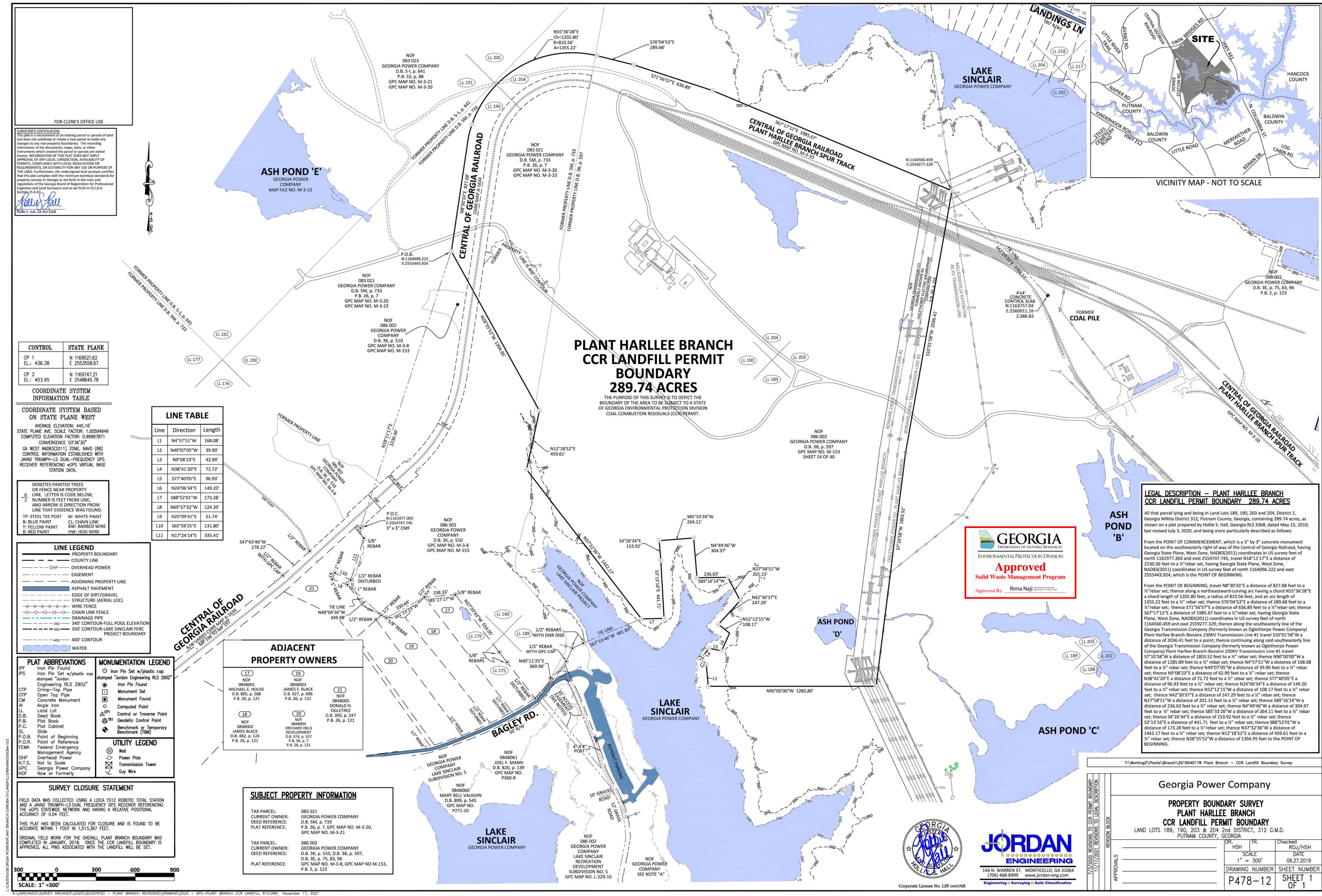
09/22/2023

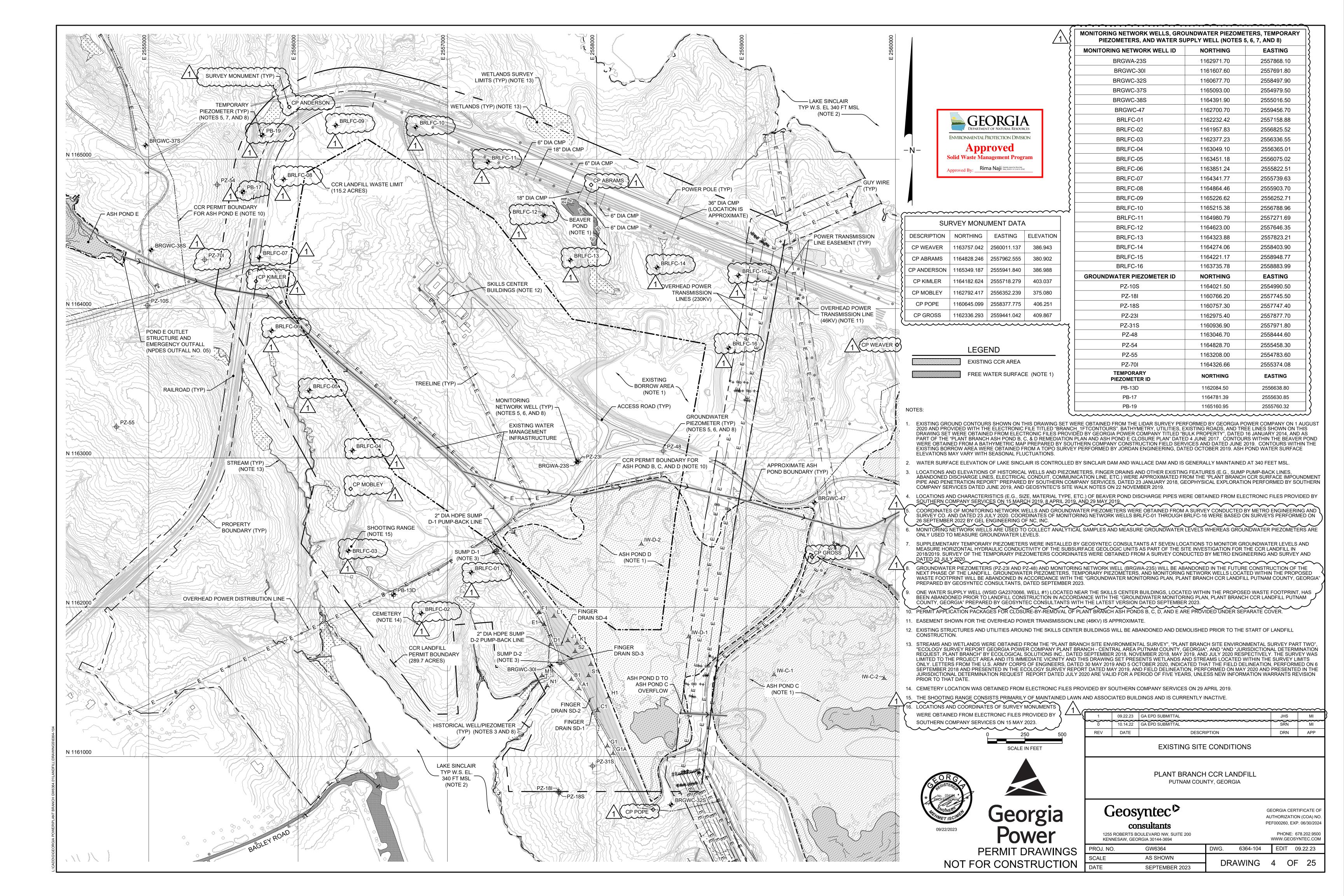
PERMIT DRAWINGS

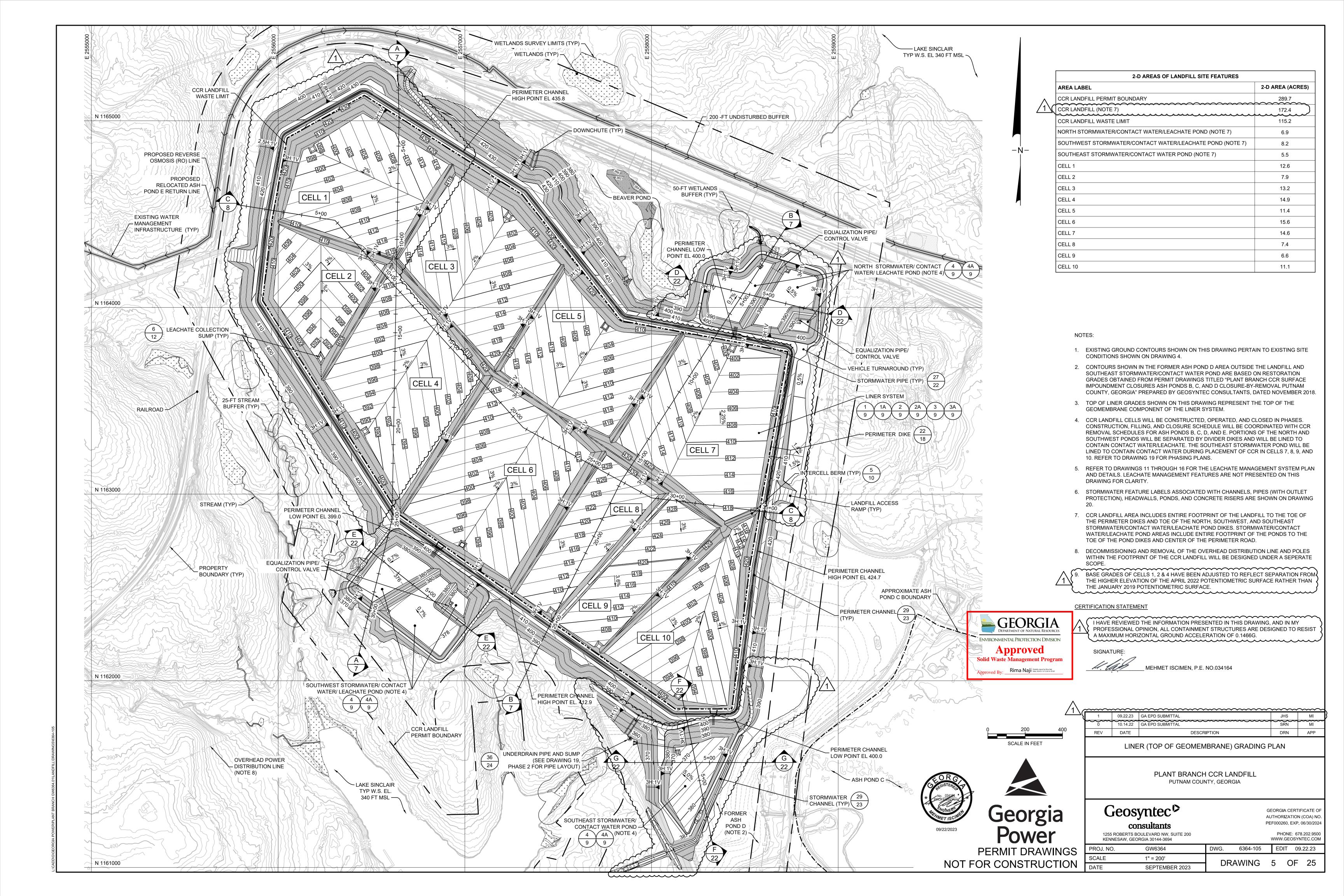
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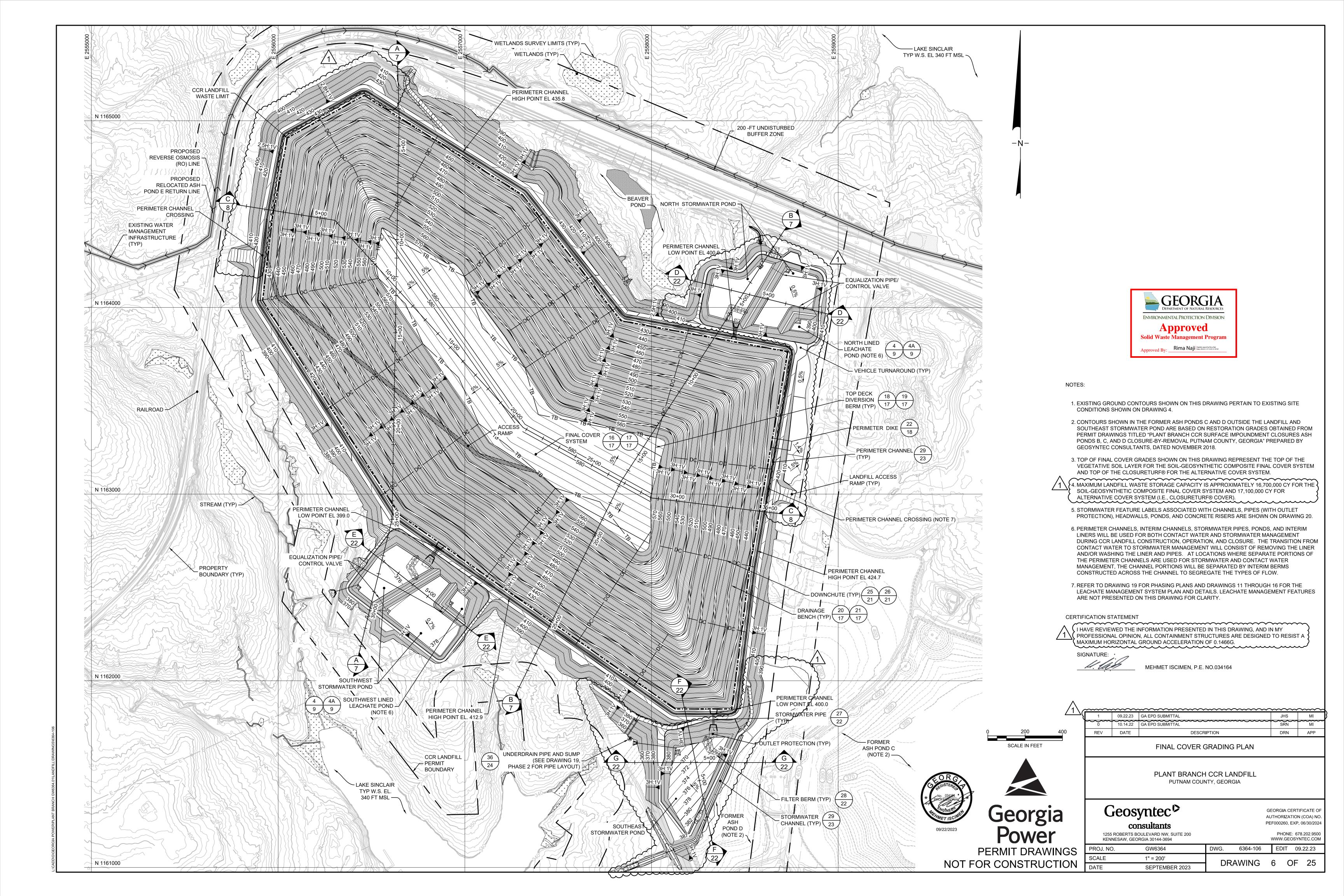
WWW.GEOSYNTEC.COM 6364-102 EDIT 09.22.23 PROJ. NO. SCALE AS SHOWN NOT FOR CONSTRUCTION DRAWING 2 OF 25 SEPTEMBER 2023

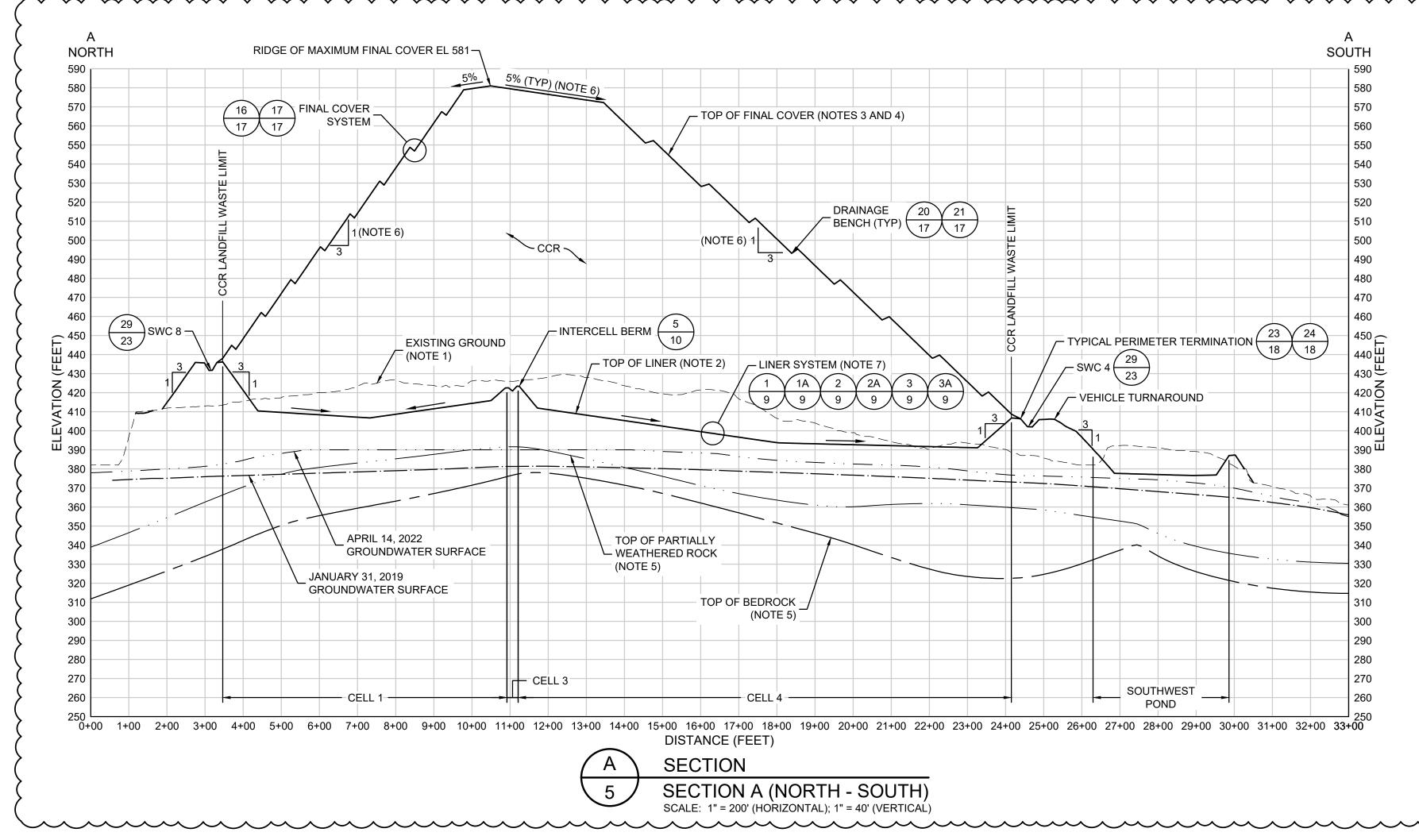
Geosyntec¹⁵

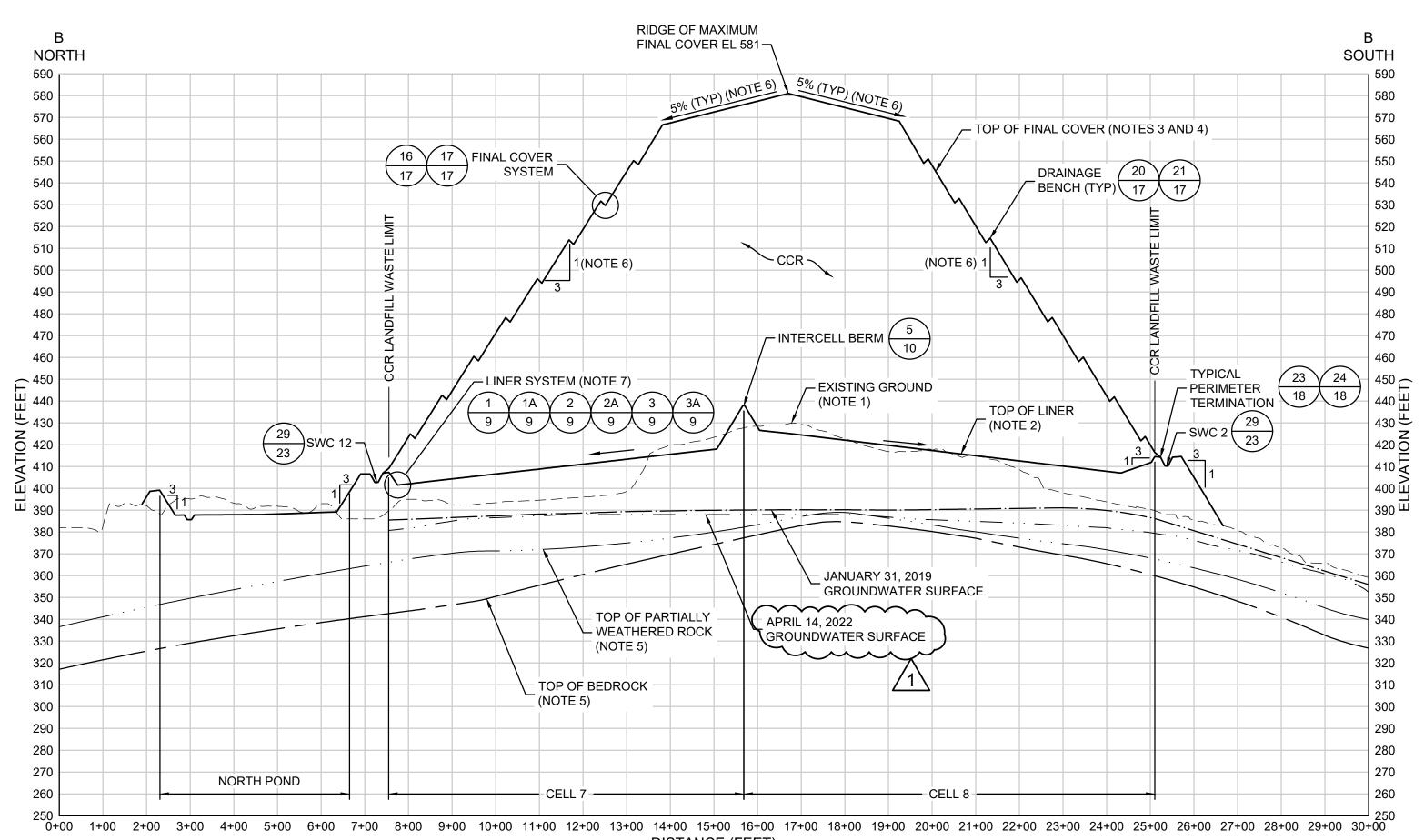




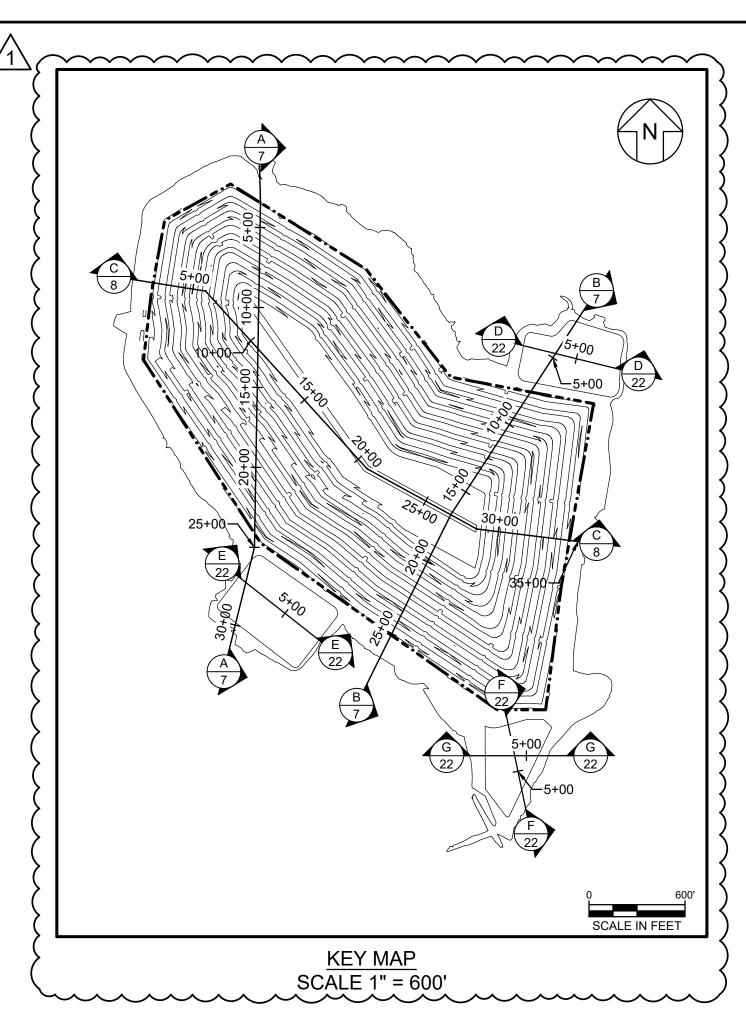






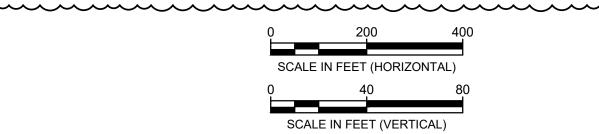


DISTANCE (FEET) **SECTION SECTION B (NORTH - SOUTH)** SCALE: 1" = 200' (HORIZONTAL); 1" = 40' (VERTICAL)



NOTES:

- EXISTING GROUND SURFACE SHOWN ON THIS DRAWING PERTAINS TO EXISTING SITE CONDITIONS SHOWN ON DRAWING 4 AND BASE GRADES FOLLOWING REMOVAL OF ASH POND D DIKE.
- 2. TOP OF LINER (TOP OF GEOMEMBRANE COMPONENT OF THE LINER SYSTEM) SHOWN ON THIS DRAWING PERTAINS TO TOP OF LINER GRADES SHOWN ON DRAWING 5.
- 3. TOP OF FINAL COVER SHOWN ON THIS DRAWING PERTAINS TO TOP OF FINAL COVER GRADES SHOWN ON DRAWING 6.
- 4. TOP OF FINAL COVER GRADES (AND MAXIMUM ELEVATION) SHOWN ARE FOR BOTH SOIL-GEOSYNTHETIC COMPOSITE FINAL COVER SYSTEM AND CLOSURETURF® ALTERNATIVE COVER SYSTEM.
- 5. TOP OF PARTIALLY WEATHERED ROCK AND TOP OF BEDROCK SURFACES WERE DEVELOPED BY GEOSYNTEC CONSULTANTS USING AVAILABLE SUBSURFACE INFORMATION FROM 2018/2019 SITE INVESTIGATION AND HISTORICAL BORING LOGS.
- 6. TOP OF FINAL COVER DESIGN GRADES ARE SLOPED NO STEEPER THAN 3H:1V ON LANDFILL SIDE SLOPES BETWEEN DRAINAGE BENCHES, AND AT A MINIMUM FIVE (5) PERCENT ON THE LANDFILL TOP DECK. SLOPES AND FINAL COVER SYSTEM LAYER THICKNESSES MAY APPEAR DISTORTED ON THE CROSS SECTIONS DUE TO THE EXAGGERATED VERTICAL SCALE AND SKEWED ANGLE AT WHICH THESE SECTIONS WERE CUT COMPARED TO THE THREE-DIMENSIONAL TRUE SLOPE DIRECTIONS.
- 7. LINER SYSTEM DESIGN GRADES ARE SLOPED NO STEEPER THAN 3H:1V ON DIKE AND INTERCELL BERM SIDE SLOPES, AND AT A MINIMUM OF 2.25 PERCENT TOWARDS THE LEACHATE COLLECTION CORRIDORS ON THE CELL FLOOR AREAS. LEACHATE COLLECTION CORRIDORS ARE SLOPED AT A MINIMUM OF TWO (2) PERCENT TOWARDS
- REFER TO DRAWING 25 FOR THE APRIL 14, 2022 GROUNDWATER CONTOURS.
 - BASE GRADES OF CELLS 1, 2 & 4 HAVE BEEN ADJUSTED TO REFLECT SEPARATION FROM THE HIGHER ELEVATION OF THE APRIL 2022 POTENTIOMETRIC SURFACE RATHER THAN THE JANUARY 2019 POTENTIOMETRIC SURFACE.



______ 09.22.23 GA EPD SUBMITTAL JHS MI 10.14.22 GA EPD SUBMITTAL REV DATE DRN APP DESCRIPTION

SITE CROSS SECTIONS I

PLANT BRANCH CCR LANDFILL

PUTNAM COUNTY, GEORGIA

Geosyntec[©] consultants

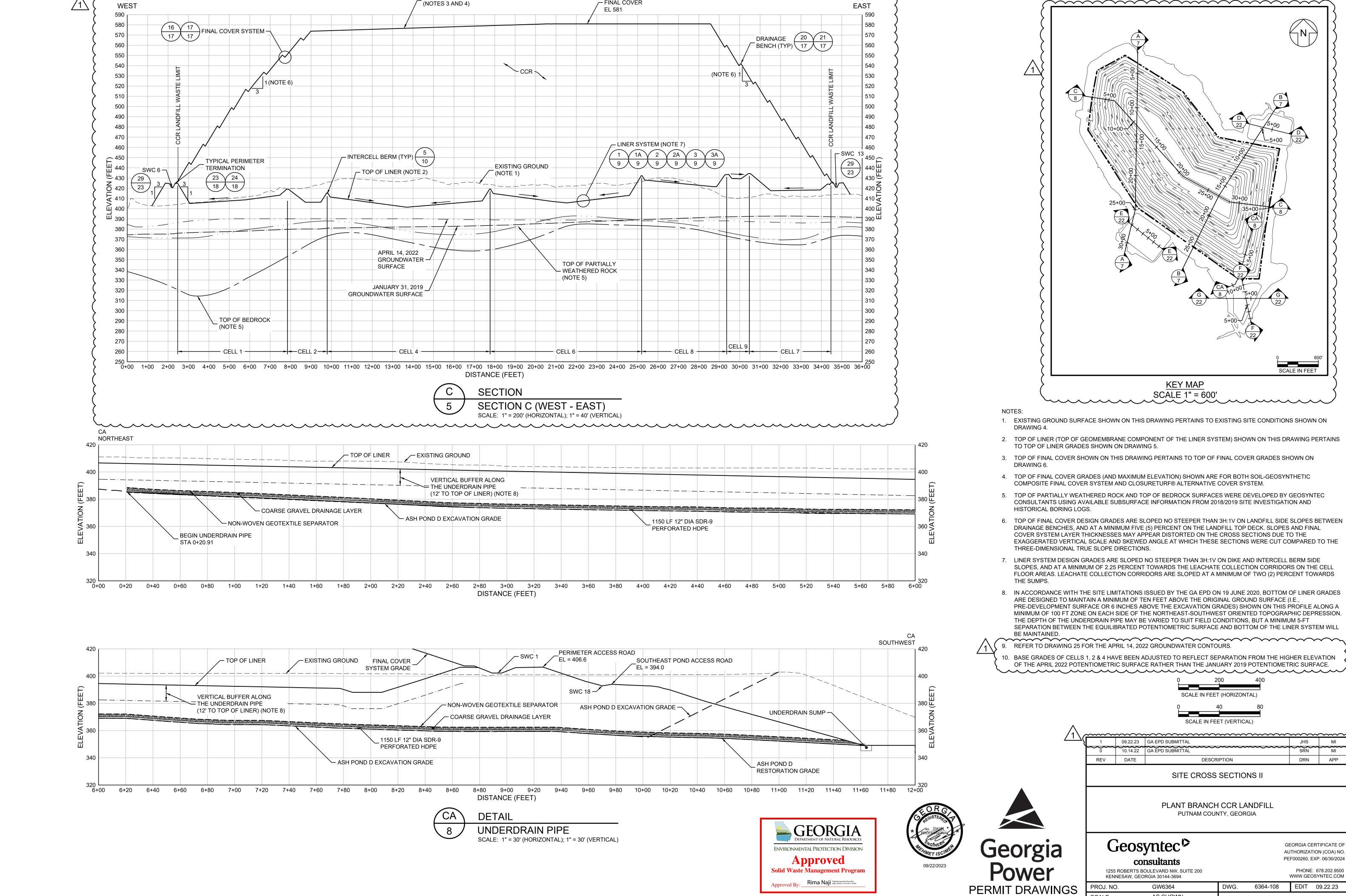
GEORGIA CERTIFICATE OF AUTHORIZATION (COA) NO. PEF000260, EXP. 06/30/2024 PHONE: 678.202.9500

1255 ROBERTS BOULEVARD NW, SUITE 200 KENNESAW, GEORGIA 30144-3694 WWW.GEOSYNTEC.COM 6364-107 PROJ. NO. GW6364 EDIT 09.22.23 SCALE AS SHOWN DRAWING 7 OF 25 SEPTEMBER 2023





PERMIT DRAWINGS NOT FOR CONSTRUCTION



RIDGE OF MAXIMUM

- FINAL COVER

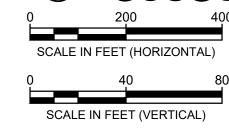
TOP OF FINAL COVER

KEY MAP SCALE 1" = 600'

- 1. EXISTING GROUND SURFACE SHOWN ON THIS DRAWING PERTAINS TO EXISTING SITE CONDITIONS SHOWN ON
- 2. TOP OF LINER (TOP OF GEOMEMBRANE COMPONENT OF THE LINER SYSTEM) SHOWN ON THIS DRAWING PERTAINS
- 3. TOP OF FINAL COVER SHOWN ON THIS DRAWING PERTAINS TO TOP OF FINAL COVER GRADES SHOWN ON
- 4. TOP OF FINAL COVER GRADES (AND MAXIMUM ELEVATION) SHOWN ARE FOR BOTH SOIL-GEOSYNTHETIC COMPOSITE FINAL COVER SYSTEM AND CLOSURETURF® ALTERNATIVE COVER SYSTEM.
- CONSULTANTS USING AVAILABLE SUBSURFACE INFORMATION FROM 2018/2019 SITE INVESTIGATION AND
- 6. TOP OF FINAL COVER DESIGN GRADES ARE SLOPED NO STEEPER THAN 3H:1V ON LANDFILL SIDE SLOPES BETWEEN DRAINAGE BENCHES, AND AT A MINIMUM FIVE (5) PERCENT ON THE LANDFILL TOP DECK. SLOPES AND FINAL COVER SYSTEM LAYER THICKNESSES MAY APPEAR DISTORTED ON THE CROSS SECTIONS DUE TO THE EXAGGERATED VERTICAL SCALE AND SKEWED ANGLE AT WHICH THESE SECTIONS WERE CUT COMPARED TO THE
- 7. LINER SYSTEM DESIGN GRADES ARE SLOPED NO STEEPER THAN 3H:1V ON DIKE AND INTERCELL BERM SIDE SLOPES, AND AT A MINIMUM OF 2.25 PERCENT TOWARDS THE LEACHATE COLLECTION CORRIDORS ON THE CELL FLOOR AREAS. LEACHATE COLLECTION CORRIDORS ARE SLOPED AT A MINIMUM OF TWO (2) PERCENT TOWARDS
- 8. IN ACCORDANCE WITH THE SITE LIMITATIONS ISSUED BY THE GA EPD ON 19 JUNE 2020, BOTTOM OF LINER GRADES ARE DESIGNED TO MAINTAIN A MINIMUM OF TEN FEET ABOVE THE ORIGINAL GROUND SURFACE (I.E., PRE-DEVELOPMENT SURFACE OR 6 INCHES ABOVE THE EXCAVATION GRADES) SHOWN ON THIS PROFILE ALONG A MINIMUM OF 100 FT ZONE ON EACH SIDE OF THE NORTHEAST-SOUTHWEST ORIENTED TOPOGRAPHIC DEPRESSION. THE DEPTH OF THE UNDERDRAIN PIPE MAY BE VARIED TO SUIT FIELD CONDITIONS, BUT A MINIMUM 5-FT SEPARATION BETWEEN THE EQUILIBRATED POTENTIOMETRIC SURFACE AND BOTTOM OF THE LINER SYSTEM WILL



10. BASE GRADES OF CELLS 1, 2 & 4 HAVE BEEN ADJUSTED TO REFLECT SEPARATION FROM THE HIGHER ELEVATION OF THE APRIL 2022 POTENTIOMETRIC SURFACE RATHER THAN THE JANUARY 2019 POTENTIOMETRIC SURFACE.



09.22.23 GA EPD SUBMITTAL JHS MI 10.14.22 GA EPD SUBMITTAL DESCRIPTION DRN APP

SITE CROSS SECTIONS II

PLANT BRANCH CCR LANDFILL PUTNAM COUNTY, GEORGIA

Geosyntec •

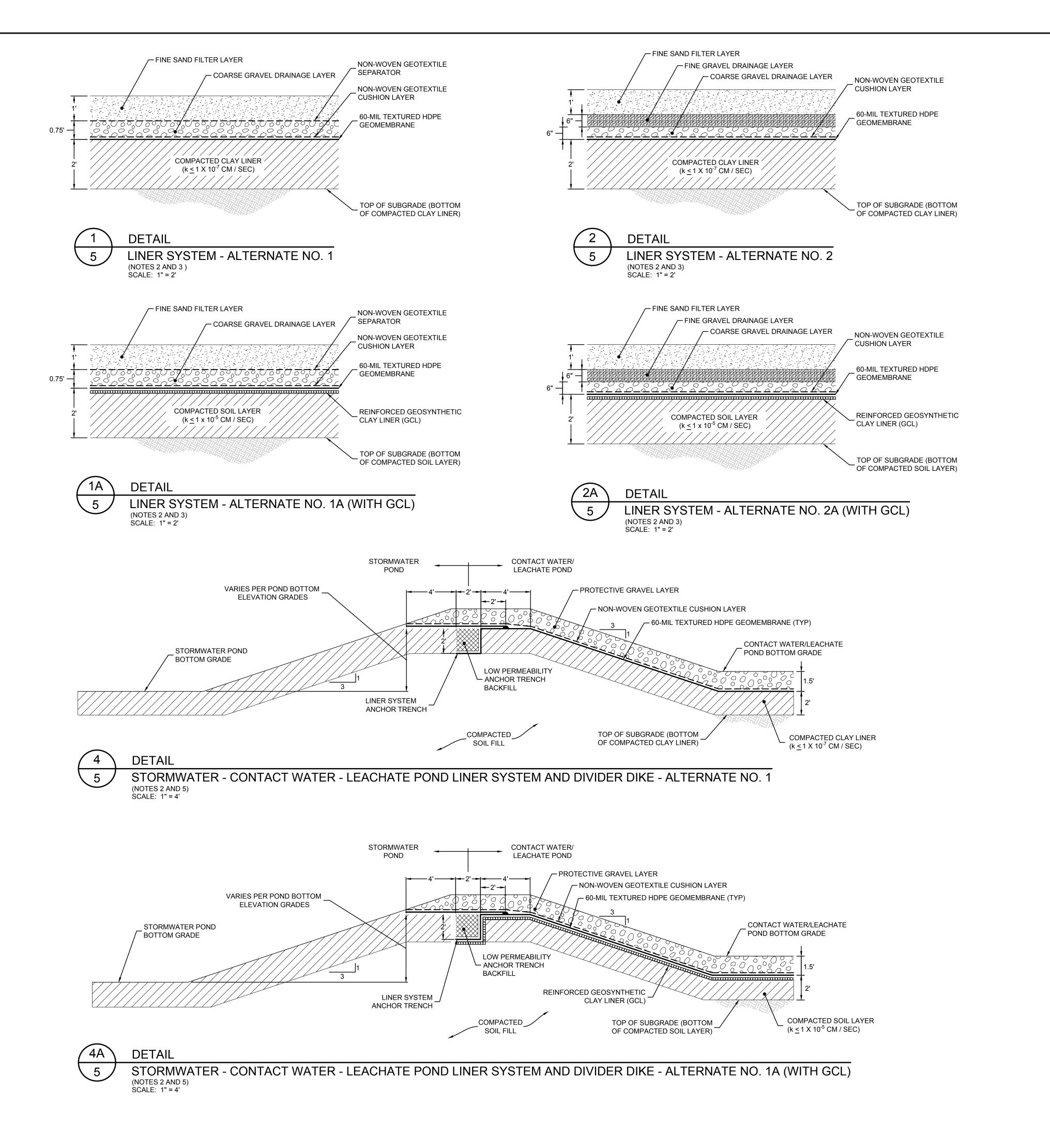
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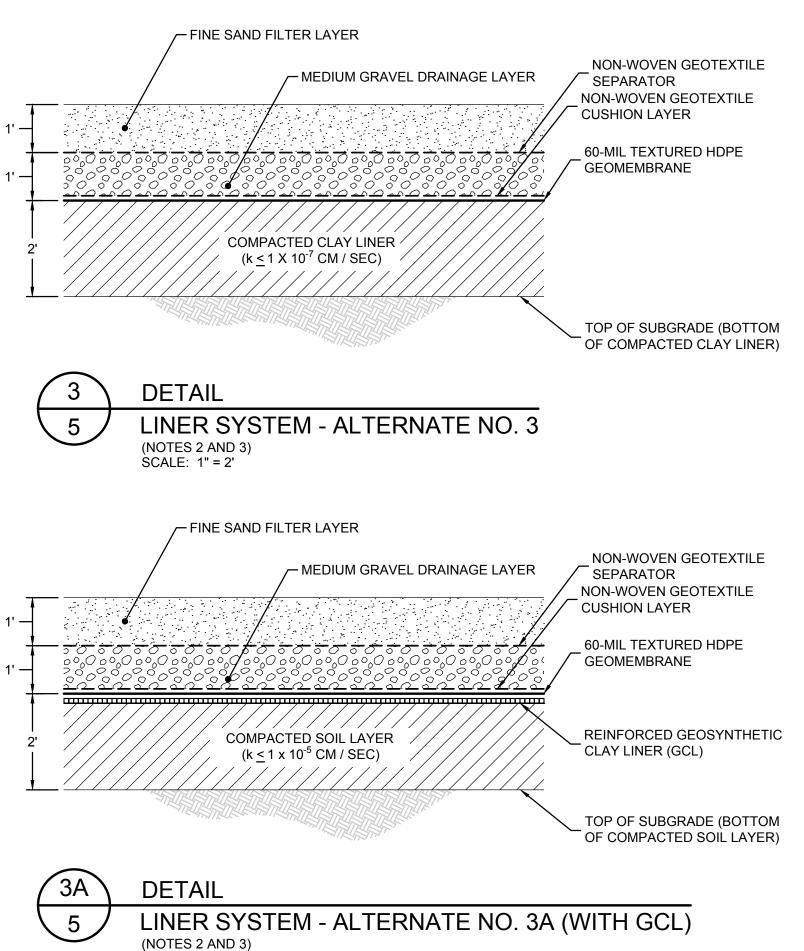
PEF000260, EXP. 06/30/2024 PHONE: 678.202.9500 WWW.GEOSYNTEC.COM

GEORGIA CERTIFICATE OF

AUTHORIZATION (COA) NO.

6364-108 GW6364 EDIT 09.22.23 SCALE AS SHOWN DRAWING 8 OF 25 SEPTEMBER 2023





NOTES:

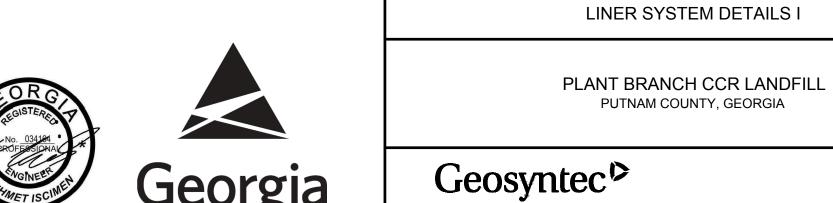
- 1. GEOSYNTHETIC MATERIALS SHOWN (I.E., GEOMEMBRANE, GEOTEXTILE, AND REINFORCED GEOSYNTHETIC CLAY LINER (GCL)) HAVE NEGLIGIBLE THICKNESSES AND WERE EXAGGERATED FOR CLARITY.
- 2. TOP OF LINER GRADES SHOWN ON DRAWING 5 REPRESENT THE TOP OF THE GEOMEMBRANE COMPONENT OF THE LINER SYSTEM AS SHOWN ON THIS DRAWING.
- 3. AN ENGINEERED LAYER WILL BE PLACED AND COMPACTED BETWEEN THE BEDROCK AND THE LINER SYSTEM IF BEDROCK IS ENCOUNTERED AT AN ELEVATION ABOVE THE BASE OF LINER SYSTEM OR BEDROCK IS REMOVED DURING CONSTRUCTION ACTIVITIES. THE ENGINEERED LAYER WILL BE COMPRISED OF ONE FOOT OF SOIL WITH A HYDRAULIC CONDUCTIVITY EQUAL OR LESS THAN 1 X 10-5 CM/SEC CONSTRUCTED OVER ONE FOOT OF STRUCTURAL FILL, OR A GEOSYNTHETIC LAYER WITH A HYDRAULIC CONDUCTIVITY EQUIVALENT TO OR LESS THAN ONE FOOT OF SOIL OF 1 X 10-5 CM/SEC CONSTRUCTED OVER A MINIMUM OF TWO FEET OF STRUCTURAL FILL.

DESCRIPTION

- 4. DETAILS 1 THROUGH 3A REPRESENT LINER SYSTEMS FOR LANDFILL CELL BOTTOMS REFER TO DETAILS 23 AND 24 ON DRAWING 18 FOR CELL SIDESLOPE LINER SYSTEM
- REFER TO DRAWING 19, PHASING PLAN, FOR WATER MANAGEMENT, AND SPECIFICALLY, HOW STORMWATER, CONTACT WATER, AND LEACHATE WILL BE MANAGED IN DIFFERENT CHAMBERS OF THE POND THROUGH DIFFERENT PHASES.

10.14.22 GA EPD SUBMITTAL

OCTOBER 2022



SCALE

REV DATE



NOT FOR CONSTRUCTION

GEORGIA

ENVIRONMENTAL PROTECTION DIVISION

Approved

Solid Waste Management Program

Approved By: _____Rima Naji Digitally signed by Rima Naji Date: 2024.01.19 13:39:10-05/00

SCALE: 1" = 2'

consultants 1255 ROBERTS BOULEVARD NW, SUITE 200

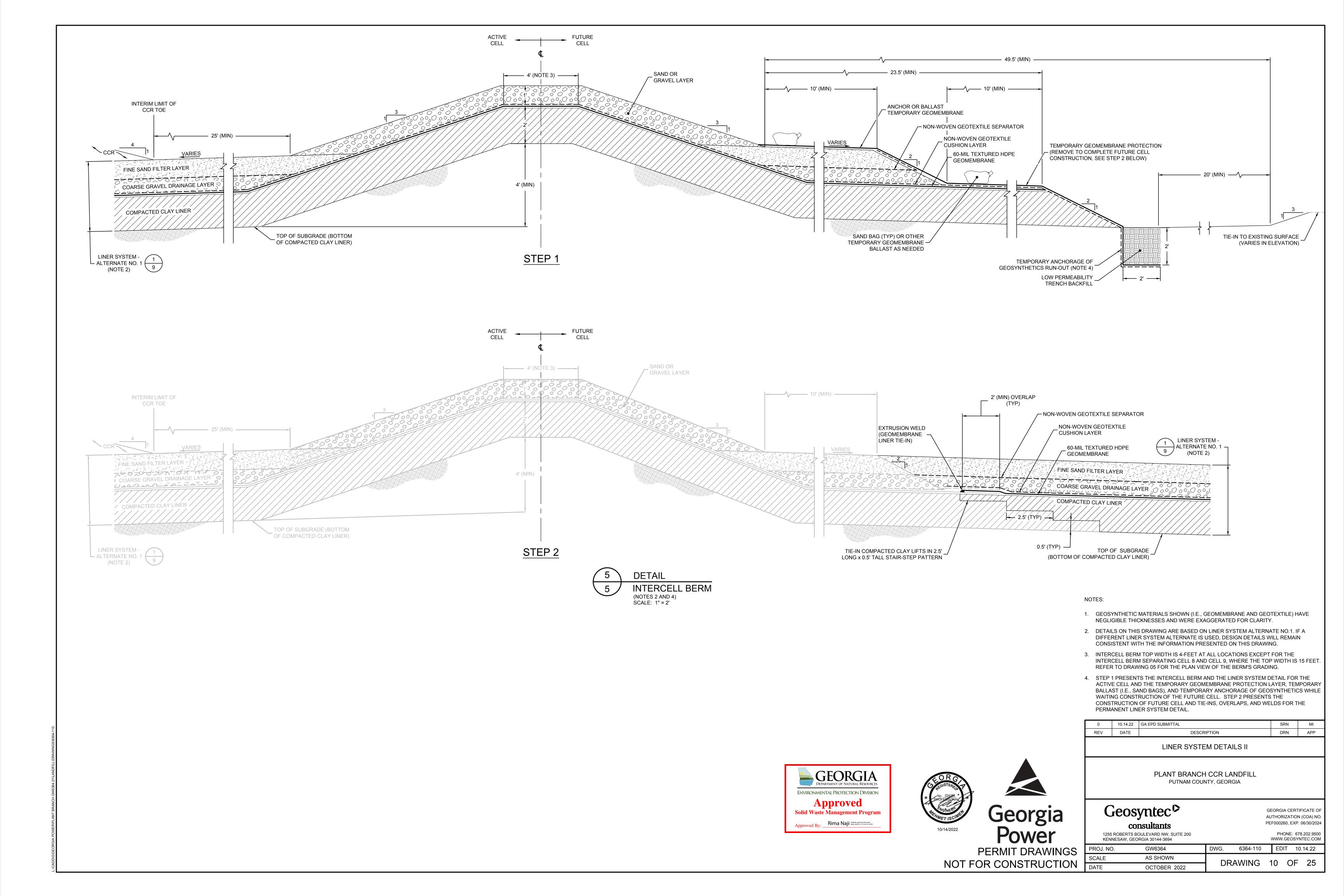
PHONE: 678.202.9500 KENNESAW, GEORGIA 30144-3694 WWW.GEOSYNTEC.COM 6364-109 PROJ. NO. EDIT 10.14.22 GW6364 AS SHOWN DRAWING 9 OF 25

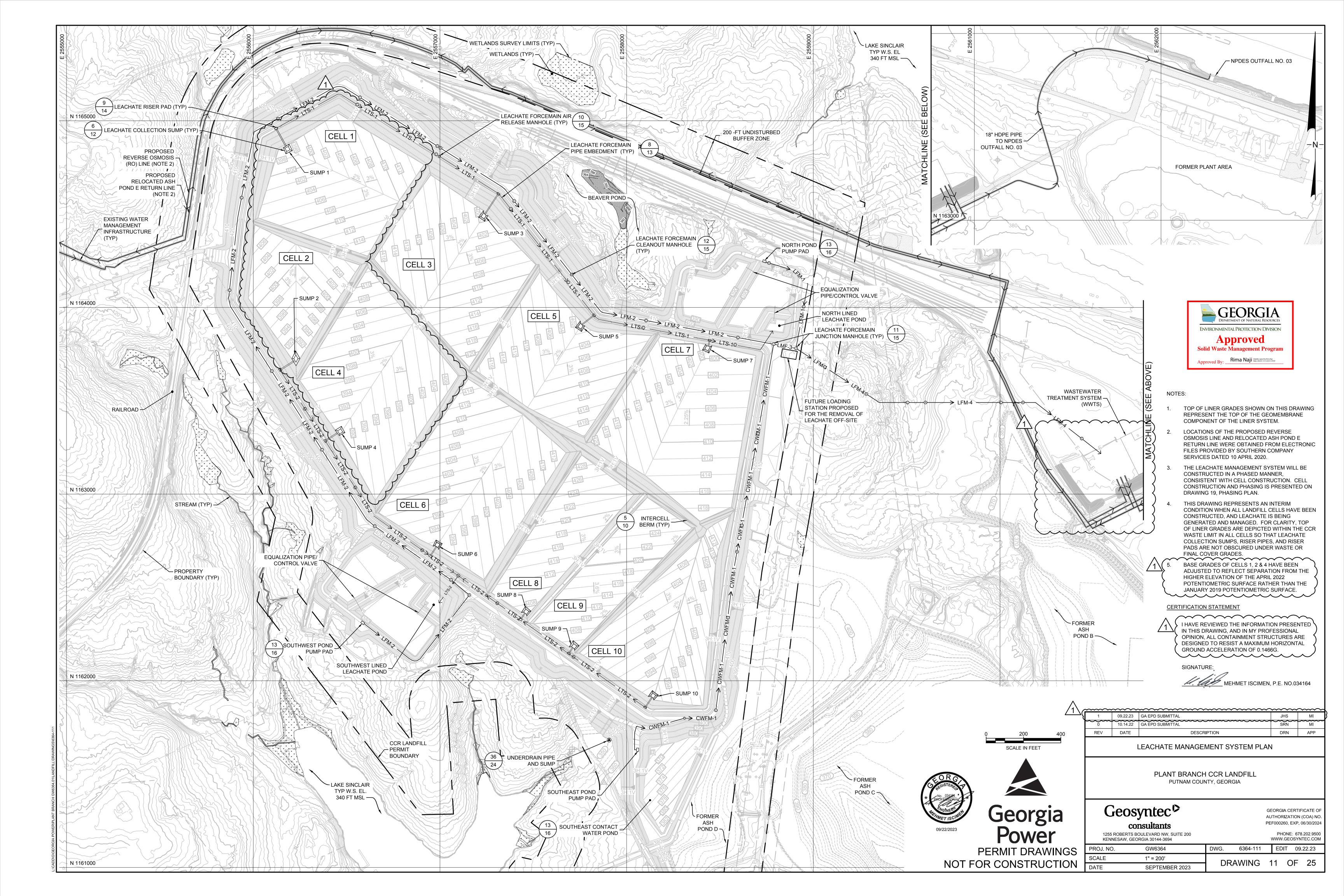
DRN APP

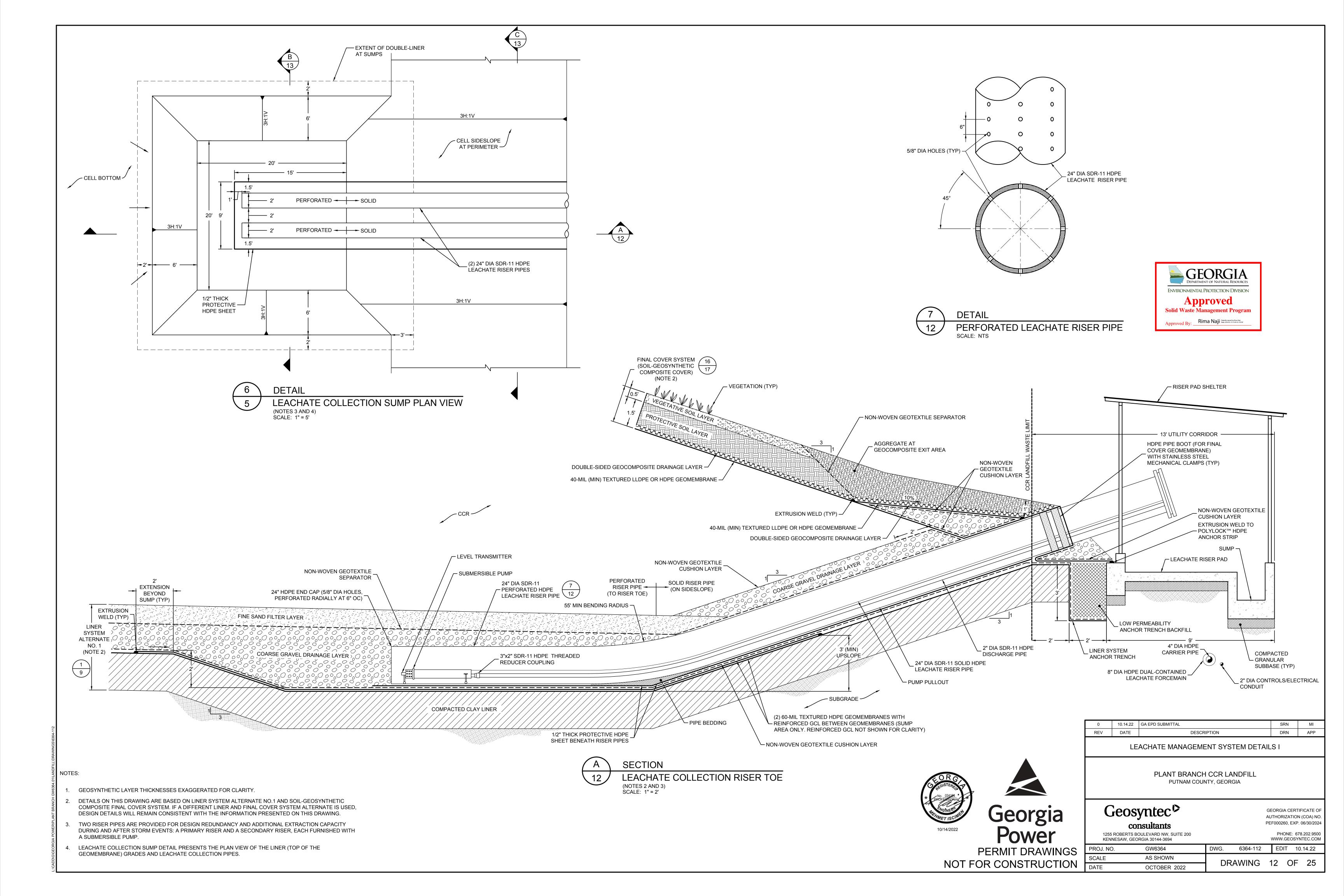
GEORGIA CERTIFICATE OF

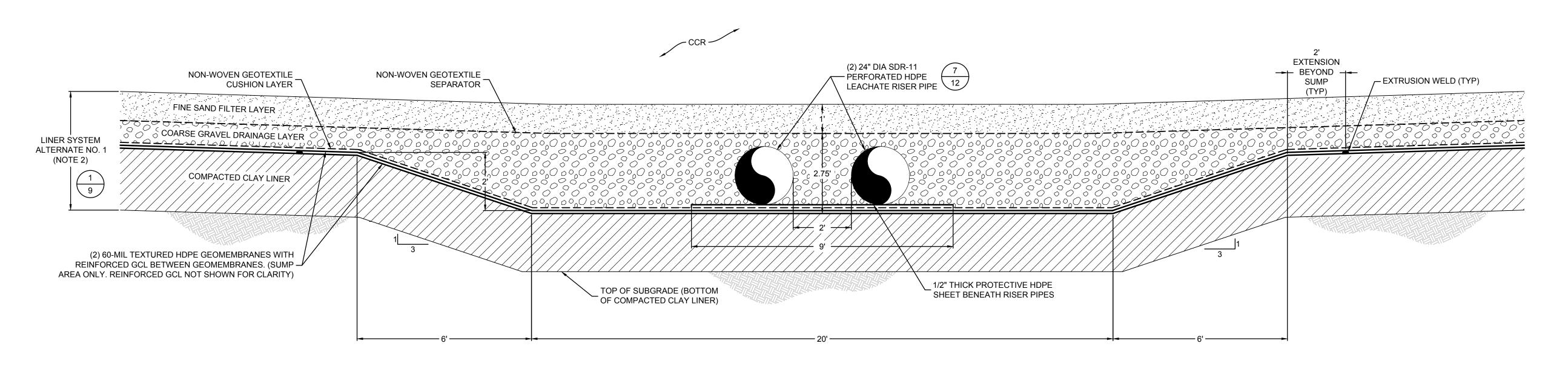
AUTHORIZATION (COA) NO

PEF000260, EXP. 06/30/2024

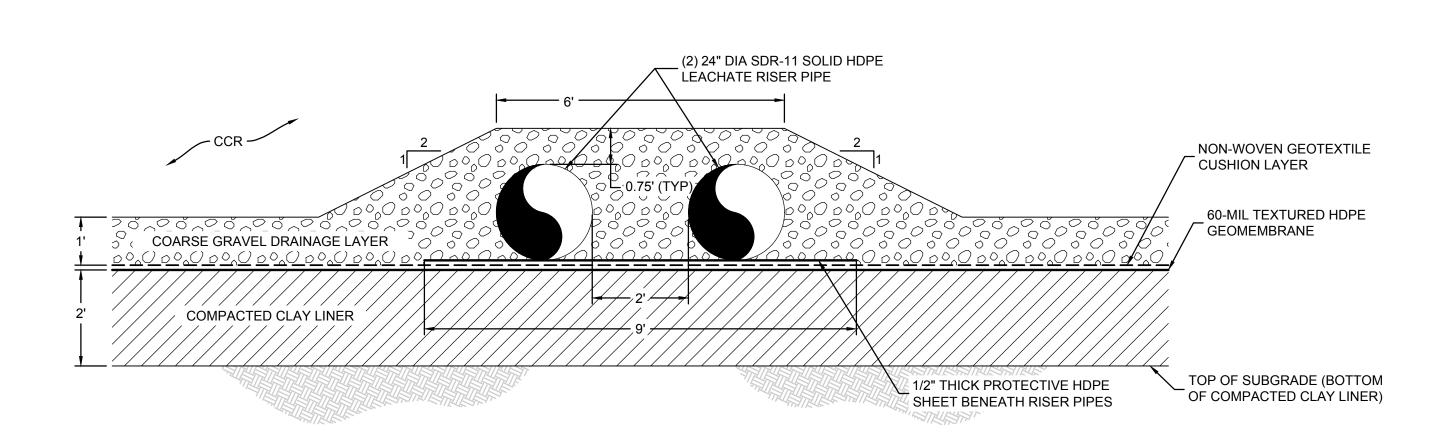




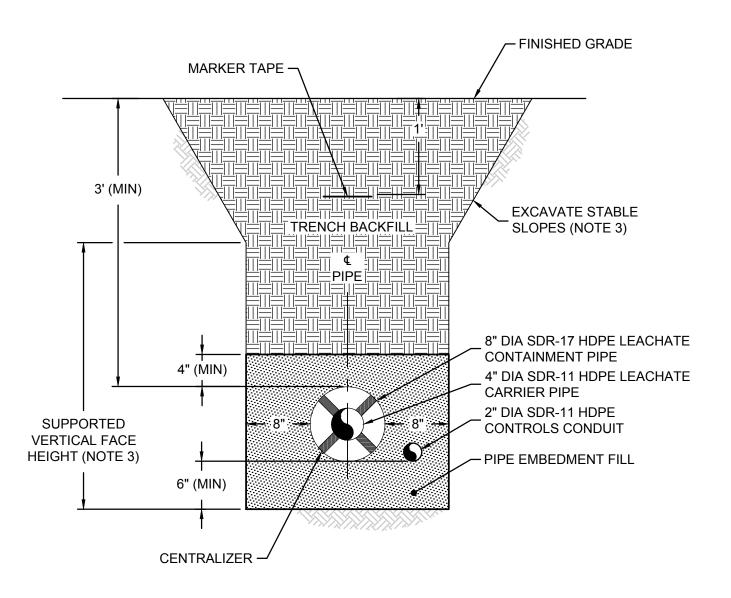




SECTION LEACHATE COLLECTION SUMP (NOTE 2) SCALE: 1" = 2'



SECTION SIDESLOPE LEACHATE RISER SYSTEM (NOTE 2) SCALE: 1" = 2'



DETAIL LEACHATE FORCEMAIN PIPE EMBEDMENT







NOT FOR CONSTRUCTION

NOTES:

SCALE

- 1. GEOSYNTHETIC LAYER THICKNESSES EXAGGERATED FOR CLARITY.
- 2. DETAILS ON THIS DRAWING ARE BASED ON LINER SYSTEM ALTERNATE NO.1. IF A DIFFERENT LINER SYSTEM ALTERNATE IS USED, DESIGN DETAILS WILL REMAIN CONSISTENT WITH THE INFORMATION PRESENTED ON THIS DRAWING.
- 3. SHORING AND/OR STABLE TRENCH SIDE SLOPES WILL BE MAINTAINED FOR SAFETY AND TO PROTECT ADJACENT UTILITIES AND STRUCTURES IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.

0	10.14.22	GA EPD SUBMITTAL	SRN	MI	
REV	DATE	DESCRIPTION	DRN	APP	
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LEACHATE MANAGEMENT SYSTEM DETAILS II

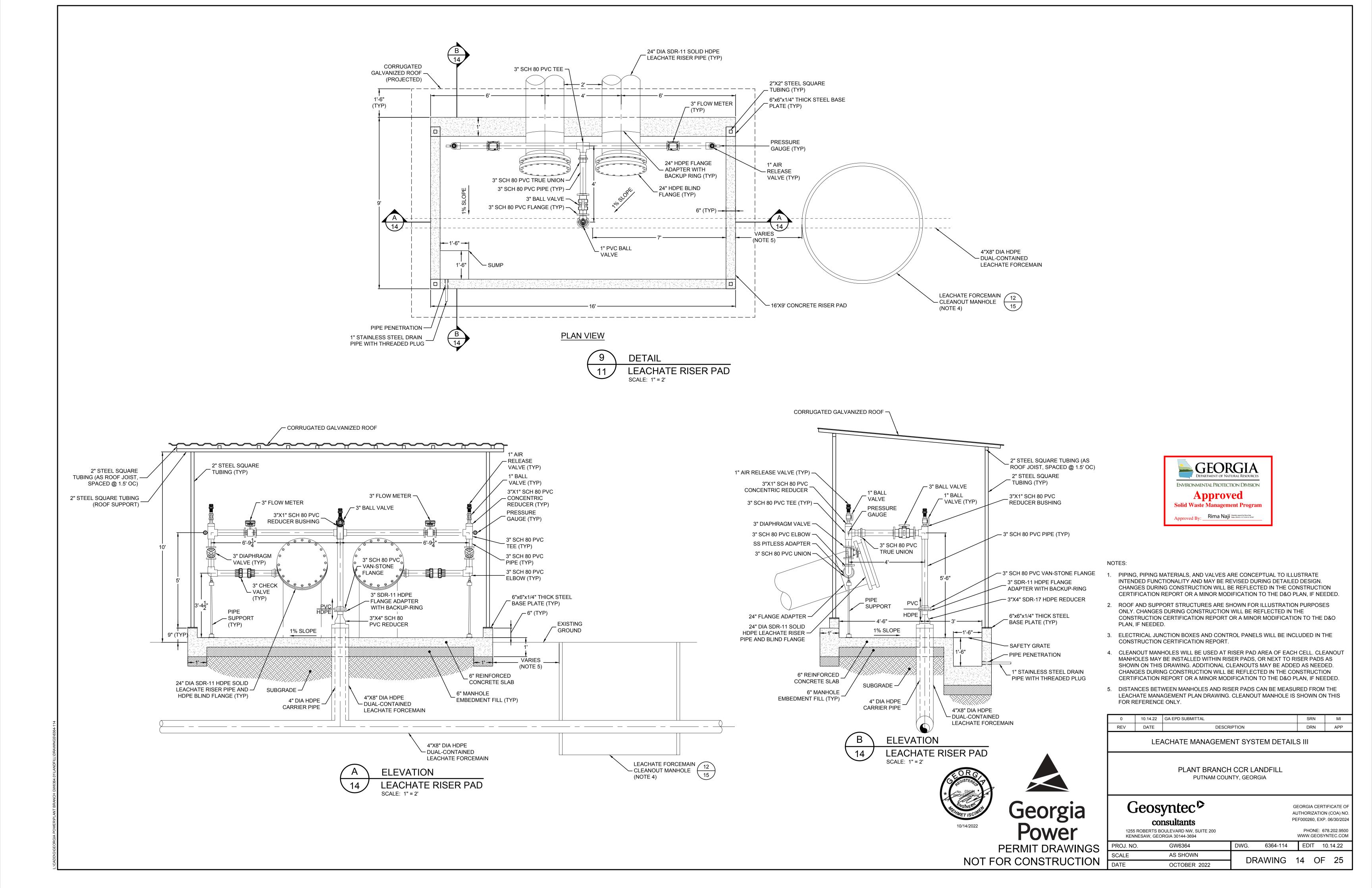
PLANT BRANCH CCR LANDFILL PUTNAM COUNTY, GEORGIA

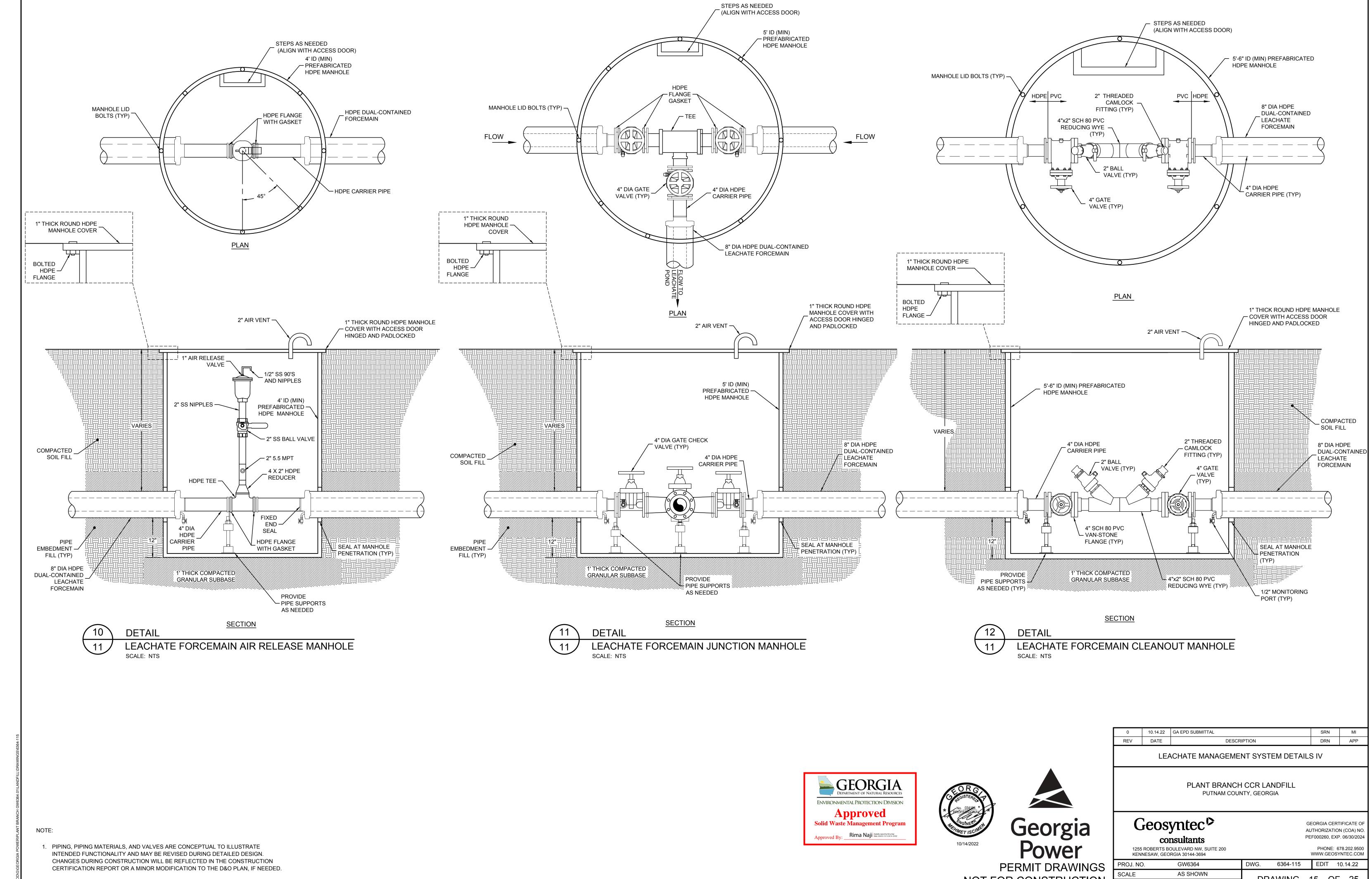
Geosyntec D

consultants 1255 ROBERTS BOULEVARD NW, SUITE 200 KENNESAW, GEORGIA 30144-3694 AUTHORIZATION (COA) NO. PEF000260, EXP. 06/30/2024 PHONE: 678.202.9500 WWW.GEOSYNTEC.COM

GEORGIA CERTIFICATE OF

PROJ. NO. 6364-113 EDIT 10.14.22 GW6364 AS SHOWN DRAWING 13 OF 25 OCTOBER 2022

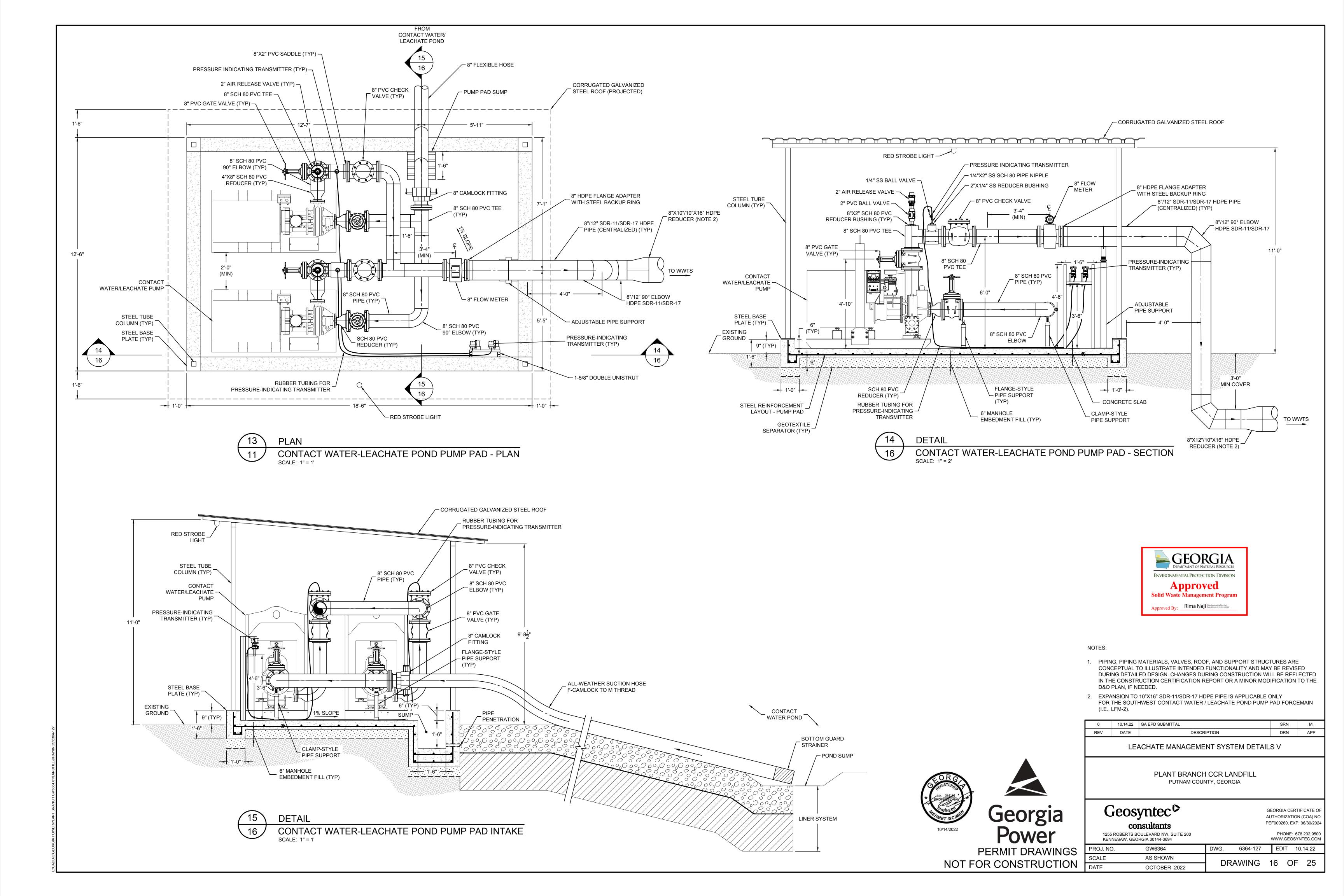


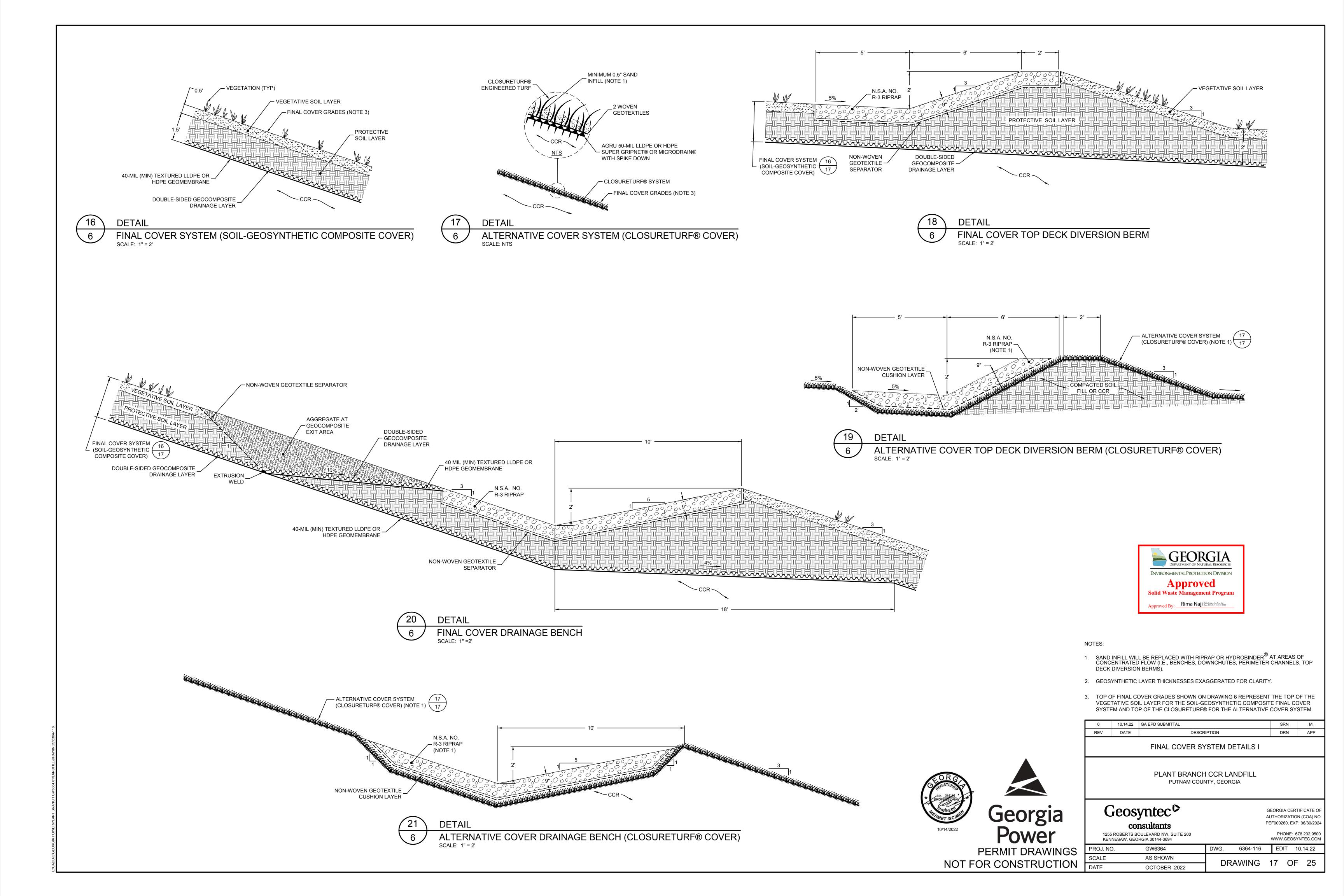


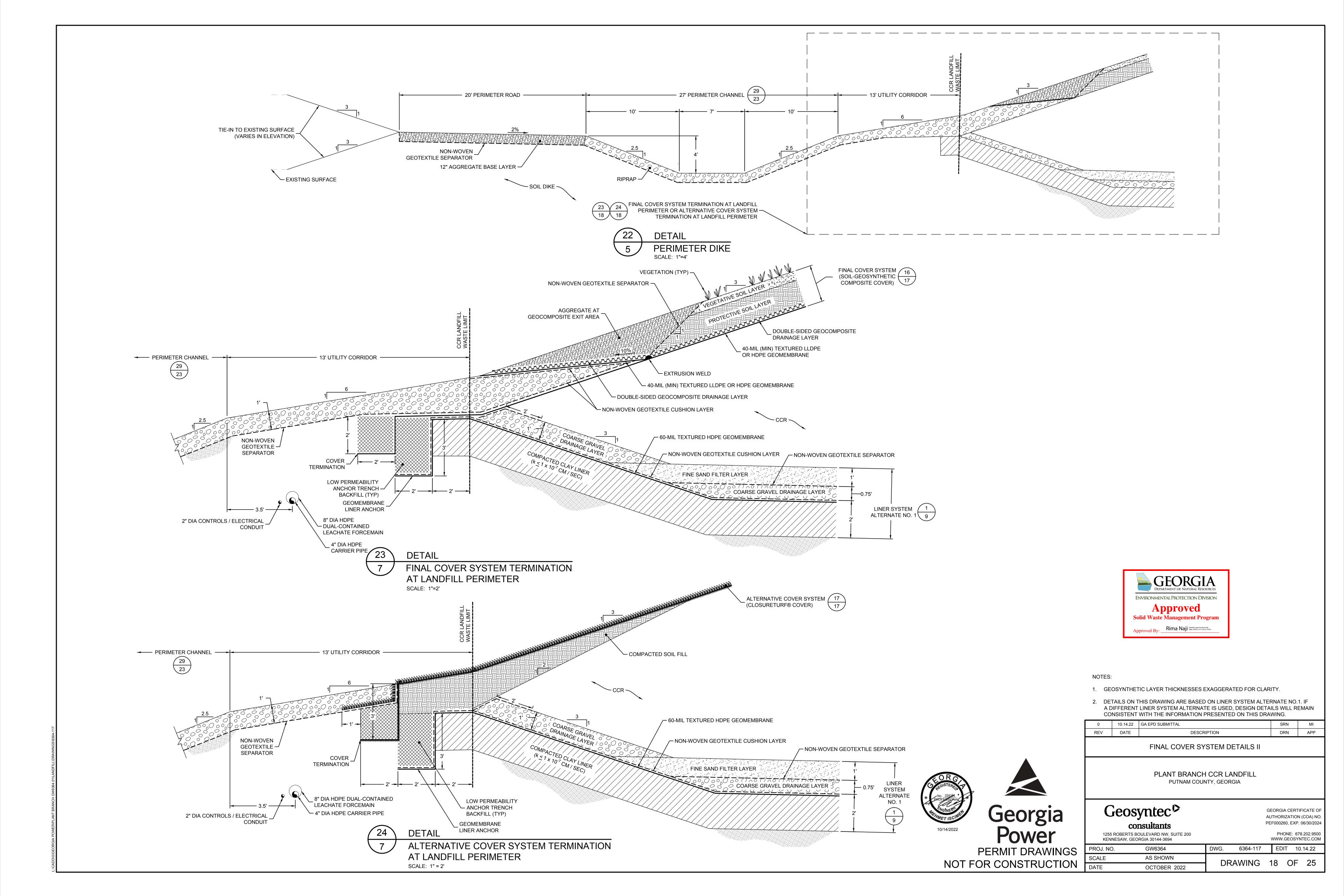
CHANGES DURING CONSTRUCTION WILL BE REFLECTED IN THE CONSTRUCTION CERTIFICATION REPORT OR A MINOR MODIFICATION TO THE D&O PLAN, IF NEEDED.

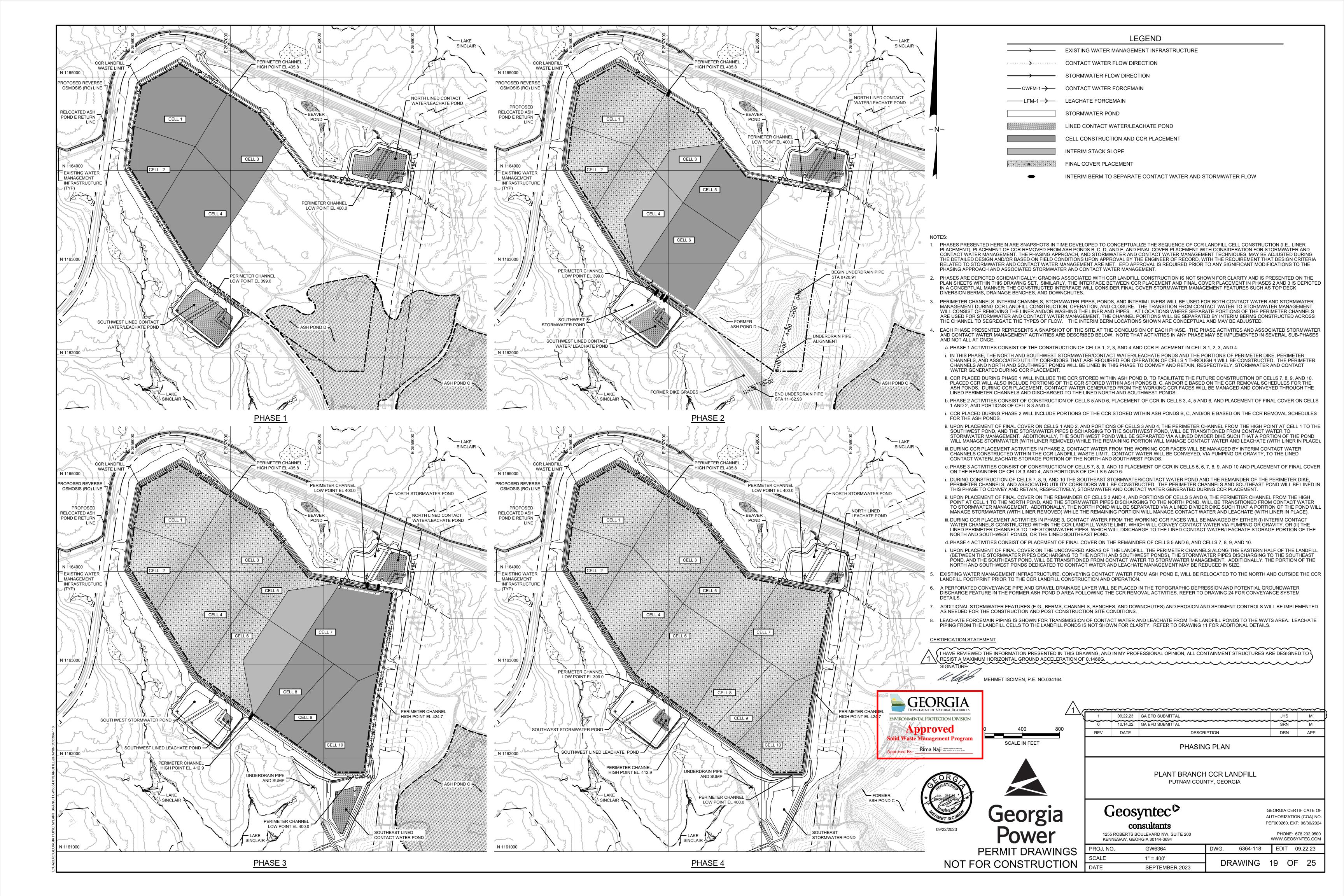
NOT FOR CONSTRUCTION

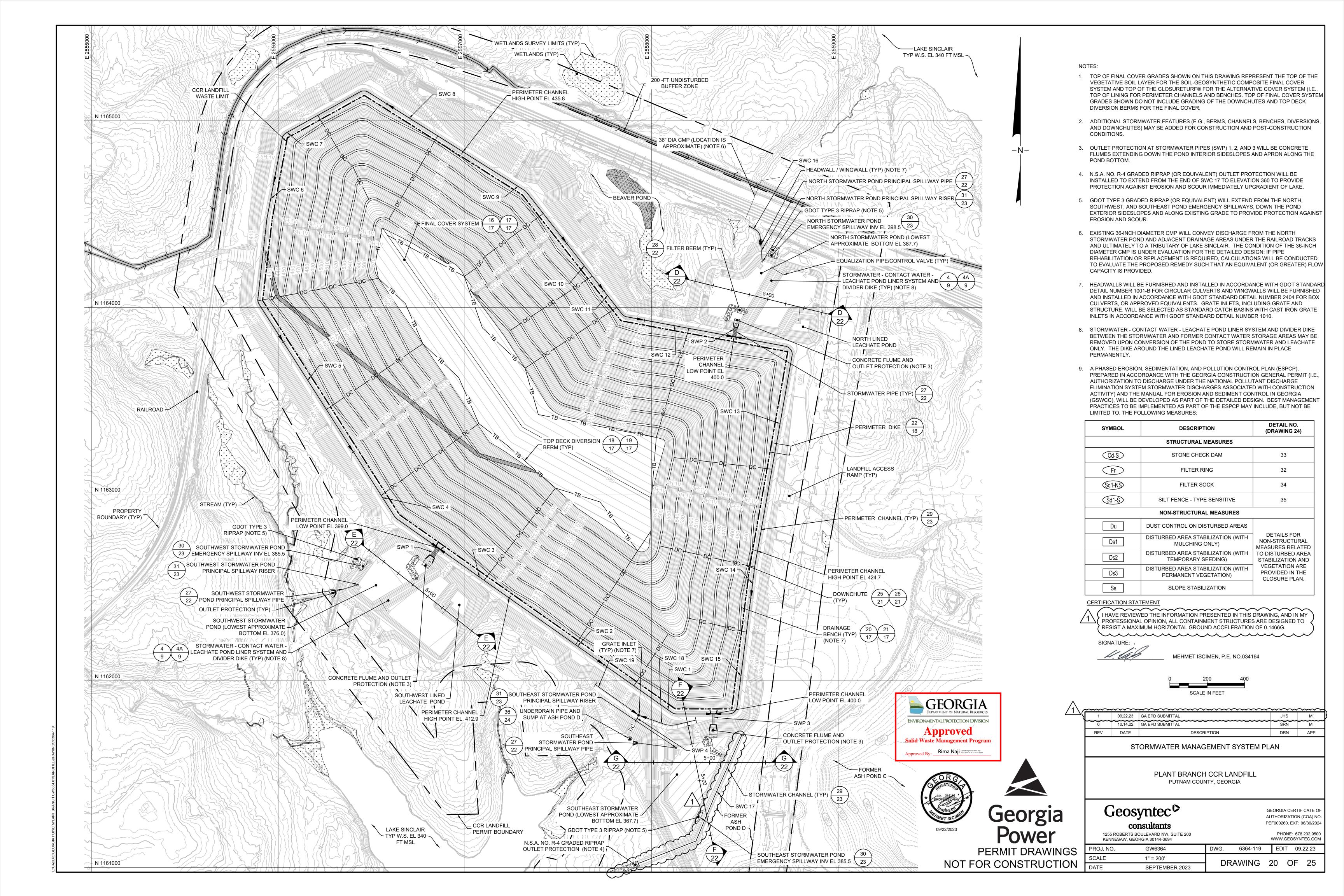
6364-115 EDIT 10.14.22 PROJ. NO. GW6364 SCALE DATE AS SHOWN DRAWING 15 OF 25 OCTOBER 2022

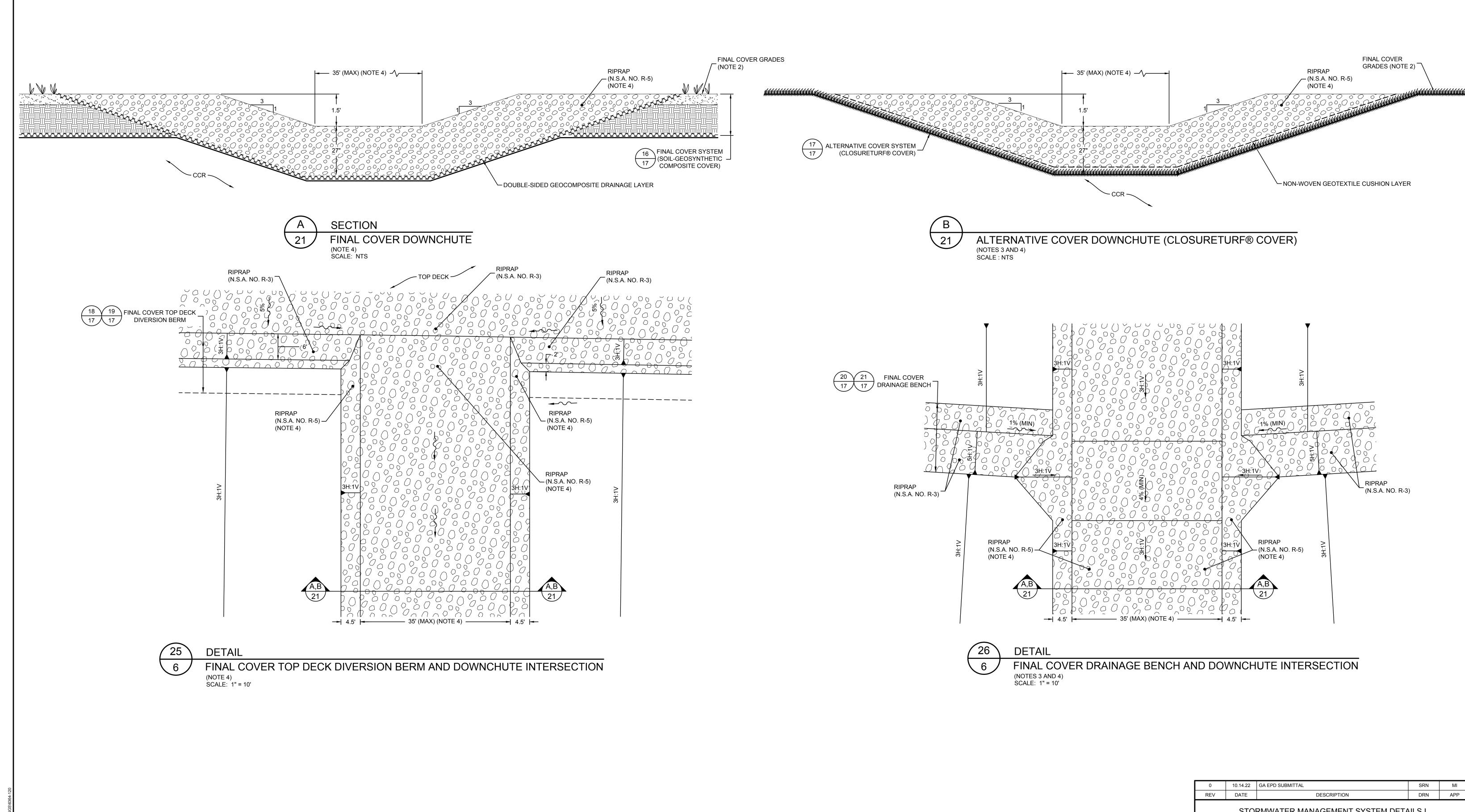












NOTES:

- 1. GEOSYNTHETIC LAYER THICKNESSES EXAGGERATED FOR CLARITY.
- 2. TOP OF FINAL COVER GRADES SHOWN ON THIS DRAWING REPRESENT THE TOP OF THE VEGETATIVE SOIL LAYER FOR THE SOIL-GEOSYNTHETIC COMPOSITE FINAL COVER SYSTEM AND TOP OF THE CLOSURETURF® FOR THE ALTERNATIVE COVER SYSTEM (I.E., TOP OF LINING FOR PERIMETER CHANNELS AND BENCHES. TOP OF FINAL COVER SYSTEM GRADES SHOWN ON DRAWING 6 DO NOT INCLUDE GRADING OF THE DOWNCHUTES AND TOP DECK DIVERSION BERMS FOR THE FINAL COVER.
- 3. SAND INFILL WILL BE REPLACED WITH RIPRAP OR HYDROBINDER $^{\circledR}$ AT AREAS OF CONCENTRATED FLOW (I.E., BENCHES, DOWNCHUTES, PERIMETER CHANNELS, TOP DECK DIVERSION BERMS).
- 4. FINAL COVER DOWNCHUTE WIDTH AND RIPRAP SIZE AND THICKNESS WILL BE OPTIMIZED DURING THE DETAILED DESIGN.







PERMIT DRAWINGS NOT FOR CONSTRUCTION

0	10.14.22	GA EPD SUBMITTAL	SRN	MI
REV	DATE	DESCRIPTION	DRN	APP

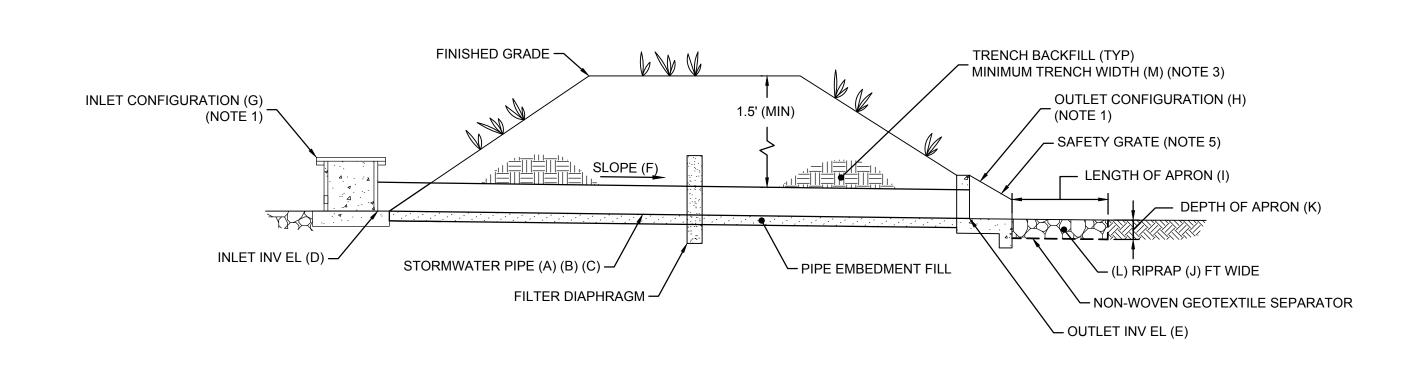
PLANT BRANCH CCR LANDFILL PUTNAM COUNTY, GEORGIA

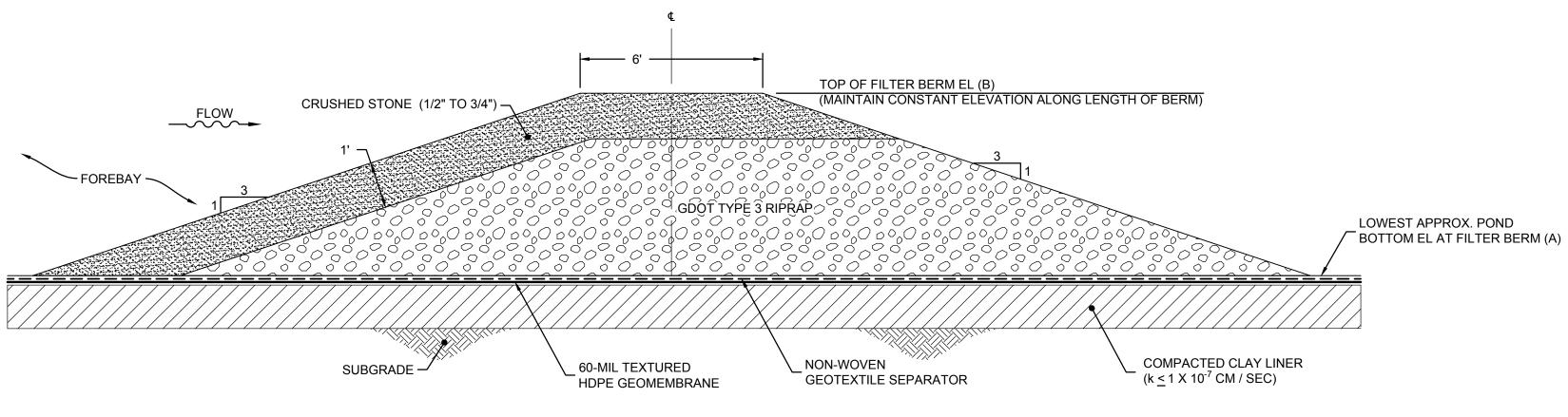
Geosyntec[©] consultants

AUTHORIZATION (COA) NO. PEF000260, EXP. 06/30/2024 1255 ROBERTS BOULEVARD NW, SUITE 200 KENNESAW, GEORGIA 30144-3694 PHONE: 678.202.9500 WWW.GEOSYNTEC.COM

GEORGIA CERTIFICATE O

6364-120 EDIT 10.14.22 PROJ. NO. GW6364 SCALE AS SHOWN DRAWING 21 OF 25 OCTOBER 2022





DEGIGNATION	(4)	(D)	(0)	(D)	(E)	(5)	(0)	40	(1)	(1)	(1/2)	(1)	(8.8)
DESIGNATION	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(1)	(J)	(K)	(L)	(M)
PIPE ID	MATERIAL TYPE (NOTE 4)	(NUMBER OF STORMWATER PIPE/BOX CULVERT) - SPAN X HEIGHT OR DIAMETER (NOTE 2)	LENGTH (FT)	INLET INV EL (FT)	OUTLET INV EL (FT)	SLOPE (FT/FT)	INLET CONFIGURATION (NOTE 1)	OUTLET CONFIGURATION (NOTE 1)	LENGTH OF RIPRAP APRON (FT)	WIDTH OF RIPRAP APRON (FT)	DEPTH OF RIPRAP APRON (FT)	OUTLET PROTECTION GRADED RIPRAP	MIN TRENCH WIDTH (FT) (NOTE 3)
SWP 1	RCP	(4) - 6 FT X 3 FT	56	399.0	396.0	0.054	WINGWALL	WINGWALL					32.7
SWP 2	RCP	(4) - 5 FT X 3 FT	53	400.0	398.0	0.038	WINGWALL	WINGWALL	SEE NOTE 6			28.0	
SWP 3	RCP	(2) - 6 FT X 3 FT	59	400.0	396.0	0.068	WINGWALL	WINGWALL					17.7
SWP 4	RCP	(1) - 18 INCH	36	379.4	379.0	0.011	GRATE INLET (NOTES 1 AND 12)	HEADWALL	SEE NOTE 13		4.1		
NORTH POND PRINCIPAL SPILLWAY PIPE	RCP	(1) - 24 INCH	93 _	387.7	385.4	0.025	CONCRETE RISER	HEADWALL	20.0	6.0	3.00	N.S.A. NO. R-6	4.7
SOUTHWEST POND PRINCIPAL SPILLWAY PIPE	RCP	(1) - 24 INCH	125	376.0	370.4	0.045	CONCRETE RISER	HEADWALL	18.0	6.0	3.75	N.S.A. NO. R-7	4.7
SOUTHEAST POND PRINCIPAL SPILLWAY PIPE	RCP	(1) - 18 INCH	208	367.7	351.0	0.080	CONCRETE RISER	HEADWALL	20.0	4.5	3.75	N.S.A. NO. R-7	4.1

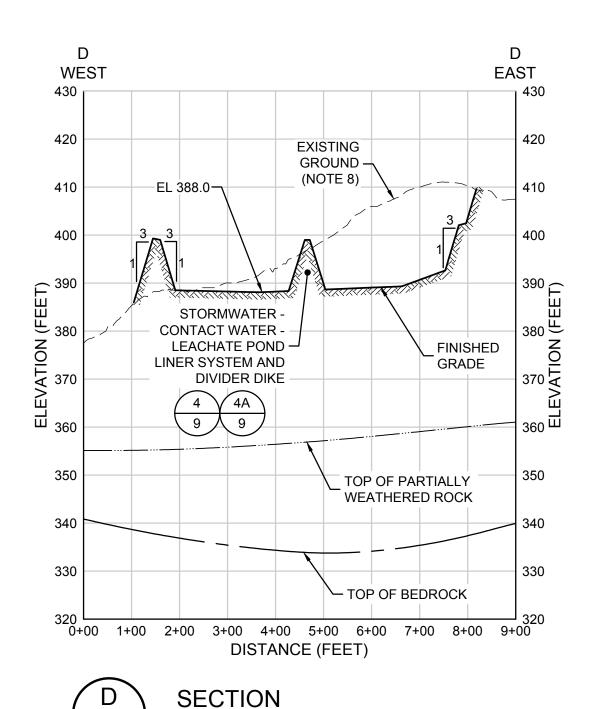
DESIGNATION	(A)	(B)
POND	LOWEST APPROX. POND BOTTOM EL AT FILTER BERM (FT)	TOP OF FILTER BERM EL (FT)
NORTH STORMWATER POND	388.7	392.7
SOUTHWEST STORMWATER POND	378.2	383.2
SOUTHEAST STORMWATER POND	373.0	380.0

DETAIL

SECTION

SOUTHWEST POND

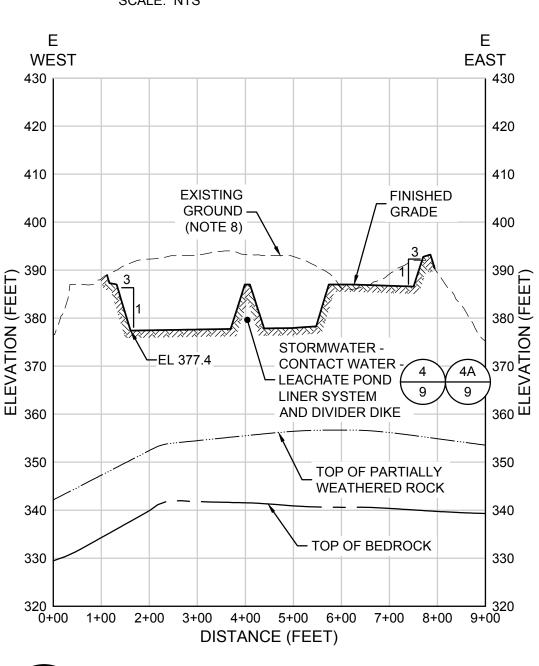
SCALE: 1" = 200' (HORIZONTAL); 1" = 20' (VERTICAL)

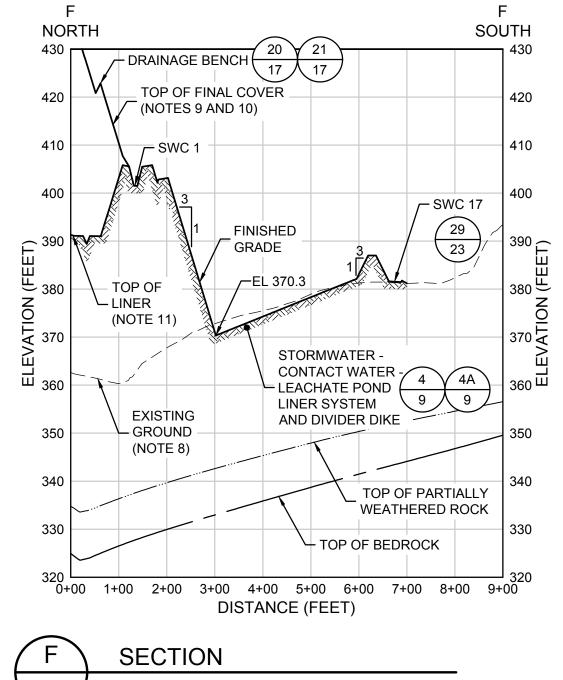


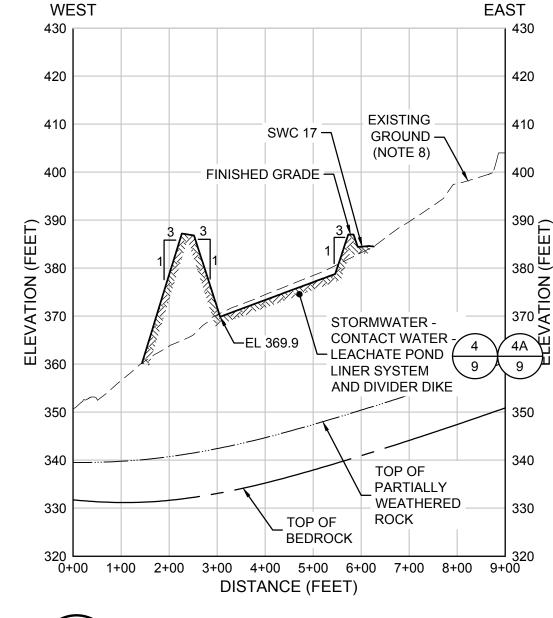
NORTH POND

SCALE: 1" = 200' (HORIZONTAL); 1" = 20' (VERTICAL)

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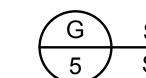






SECTION **SOUTHEAST POND** SCALE: 1" = 200' (HORIZONTAL); 1" = 20' (VERTICAL)

SOUTHEAST POND SCALE: 1" = 200' (HORIZONTAL); 1" = 20' (VERTICAL)



Approved

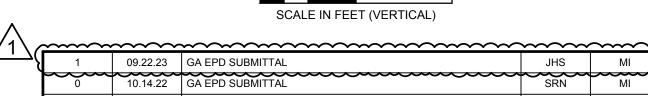
Approved By: Rima Naji Digitally signed by Rima Naji Date: 2024.01.19 13:39:10 -05'00'



Georgia Power PERMIT DRAWINGS NOT FOR CONSTRUCTION

NOTES:

- 1. HEADWALLS WILL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH GDOT STANDARD DETAIL NUMBER 1001-B FOR CIRCULAR CULVERTS AND WINGWALLS WILL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH GDOT STANDARD DETAIL NUMBER 2404 FOR BOX CULVERTS, OR APPROVED EQUIVALENTS. GRATE INLETS, INCLUDING GRATE AND STRUCTURE, WILL BE SELECTED AS STANDARD CATCH BASINS WITH CAST IRON GRATE INLETS IN ACCORDANCE WITH GDOT STANDARD DETAIL **NUMBER 1010.**
- 2. BOX CULVERTS WILL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH GDOT STANDARD DETAIL NUMBER 2403.
- 3. PIPE EMBEDMENT WILL BE CONSTRUCTED IN ACCORDANCE WITH GDOT STANDARD DETAIL NUMBER 1030D FOR CIRCULAR CULVERTS AND GDOT STANDARD DETAIL NUMBER 2530P FOR BOX CULVERTS. MINIMUM TRENCH WIDTHS ARE IDENTIFIED IN COLUMN M OF THE STORMWATER PIPE DETAIL TABLE IN DETAIL 27.
- 4. RCP OR APPROVED EQUIVALENT PIPE MATERIAL WILL BE UTILIZED FOR STORMWATER PIPES AND BOX CULVERTS.
- 5. SAFETY GRATES WILL BE FURNISHED AND INSTALLED AT OUTLET HEADWALLS FOR CIRCULAR CULVERTS IN ACCORDANCE WITH GDOT STANDARD DETAIL NUMBER D-5 OR APPROVED EQUIVALENT.
- 6. OUTLET PROTECTION AT STORMWATER PIPES (SWP) 1, 2, AND 3 WILL BE CONCRETE FLUMES EXTENDING DOWN THE POND INTERIOR SIDESLOPES AND APRON ALONG THE POND BOTTOM.
- 7. THE STORMWATER PONDS WILL BE MAINTAINED TO REMOVE ACCUMULATED SEDIMENT (I) IN THE FOREBAYS (UPGRADIENT OF THE FILTER BERMS) WHEN THE SEDIMENT DEPTH REACHES HALF THE HEIGHT OF THE FILTER BERMS AND (II) IN THE MAIN POND STORAGE AREA WHEN THE SEDIMENT DEPTH REACHES 6 INCHES.
- 8. EXISTING GROUND SURFACE SHOWN ON THIS DRAWING PERTAINS TO EXISTING SITE CONDITIONS SHOWN ON DRAWING 4 EXCEPT IN THE FORMER ASH POND D AREA. RESTORATION SURFACE SHOWN IN THE FORMER ASH POND D AREA WAS OBTAINED FROM PERMIT DRAWINGS TITLED "PLANT BRANCH CCR SURFACE IMPOUNDMENT CLOSURES ASH PONDS B, C, AND D CLOSURE-BY-REMOVAL PUTNAM COUNTY, GEORGIA" PREPARED BY GEOSYNTEC CONSULTANTS, DATED NOVEMBER 2018.
- 9. TOP OF FINAL COVER SHOWN ON THIS DRAWING PERTAINS TO TOP OF FINAL COVER GRADES SHOWN ON DRAWING 6.
- 10. TOP OF FINAL COVER GRADES SHOWN ARE FOR BOTH SOIL-GEOSYNTHETIC COMPOSITE FINAL COVER SYSTEM AND CLOSURETURF® ALTERNATIVE COVER
- 11. TOP OF LINER (TOP OF GEOMEMBRANE COMPONENT OF THE LINER SYSTEM) SHOWN ON THIS DRAWING PERTAINS TO TOP OF LINER GRADES SHOWN ON DRAWING 5.
- 12. GRATE INLET INVERT ELEVATION IS 381.4 FT.
- 13. SWP 4 DISCHARGES DIRECTLY INTO A DOWNCHUTE.



GEORGIA CERTIFICATE OF AUTHORIZATION (COA) NO.

PEF000260, EXP. 06/30/2024

PHONE: 678.202.9500

09.22.23 GA EPD SUBMITTAL 10.14.22 GA EPD SUBMITTAL REV DRN APP DATE DESCRIPTION STORMWATER MANAGEMENT SYSTEM DETAILS II

SCALE IN FEET (HORIZONTAL)

PLANT BRANCH CCR LANDFILL PUTNAM COUNTY, GEORGIA

Geosyntec[©] consultants

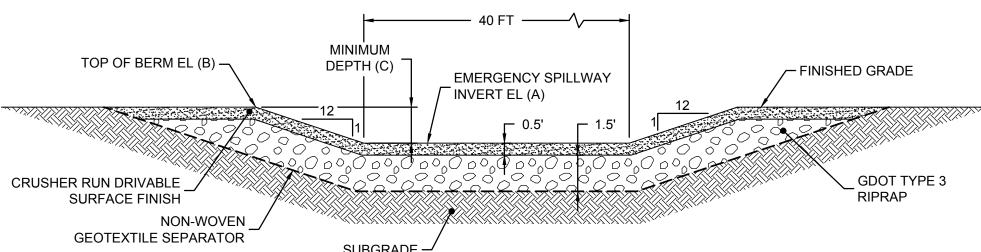
1255 ROBERTS BOULEVARD NW, SUITE 200

KENNESAW, GEORGIA 30144-3694 WWW.GEOSYNTEC.COM 6364-121 PROJ. NO. GW6364 EDIT 09.22.23 SCALE AS SHOWN DRAWING 22 OF 25 SEPTEMBER 2023

					(A)	(B)	(C)	(D)	(E)	(F)
CHANNEL ID	UPSTREAM INVERT EL (FT)	DOWNSTREAM INVERT EL (FT)	LENGTH (FT)	SLOPE (FT/FT)	MIN DEPTH (FT)	BOTTOM WIDTH (FT)	LEFT SIDE SLOPE (NOTE 2)	RIGHT SIDE SLOPE (NOTE 2)	CHANNEL LINING MATERIAL	CHANNEL LINING THICKNESS (FT)
SWC 1	406.7	400.0	669	0.010	4.0	7.0	2.5	2.5	N.S.A. No. R-4	1.50
SWC 2	412.9	406.7	621	0.010	4.0	7.0	2.5	2.5	N.S.A. No. R-4	1.50
SWC 3	412.9	399.0	465	0.030	4.0	7.0	2.5	2.5	N.S.A. No. R-4	1.50
SWC 4	406.0	399.0	699	0.010	4.0	7.0	2.5	2.5	N.S.A. No. R-4	1.50
SWC 5	413.0	406.0	698	0.010	4.0	7.0	2.5	2.5	N.S.A. No. R-4	1.50
SWC 6	421.9	413.0	892	0.010	4.0	7.0	2.5	2.5	N.S.A. No. R-4	1.50
SWC 7	431.0	421.9	904	0.010	4.0	7.0	2.5	2.5	N.S.A. No. R-4	1.50
SWC 8	435.8	431.0	480	0.010	4.0	7.0	2.5	2.5	N.S.A. No. R-4	1.50
SWC 9	435.8	428.2	753	0.010	4.0	7.0	2.5	2.5	N.S.A. No. R-4	1.50
SWC 10	428.2	423.2	322	0.016	4.0	7.0	2.5	2.5	N.S.A. No. R-4	1.50
SWC 11	423.2	414.7	285	0.030	4.0	7.0	2.5	2.5	N.S.A. No. R-5	2.25
SWC 12	414.7	400.0	488	0.030	4.0	7.0	2.5	2.5	N.S.A. No. R-5	2.25
SWC 13	424.7	400.0	1,411	0.018	4.0	7.0	2.5	2.5	N.S.A. No. R-4	1.50
SWC 14	424.7	418.3	254	0.025	4.0	7.0	2.5	2.5	N.S.A. No. R-4	1.50
SWC 15	418.3	400.0	733	0.025	4.0	7.0	2.5	2.5	N.S.A. No. R-4	1.50
SWC 16	385.4	379.2	123	0.050	1.5	5.0	3.0	3.0	N.S.A. No. R-4	1.50
SWC 17	385.5	370.0	951	0.016	4.0	15.0	VARIES (NOTE 3)	3.0	N.S.A. No. R-4	1.50
SWC 18	405.0	381.4	313	0.075	1.5	0.0	3.0	3.0	N.S.A. NO. R-4	1.50
SWC 19	384.2	381.4	284	0.010	1.5	0.0	3.0	3.0	N.S.A. NO. R-4	1.50

DETAIL

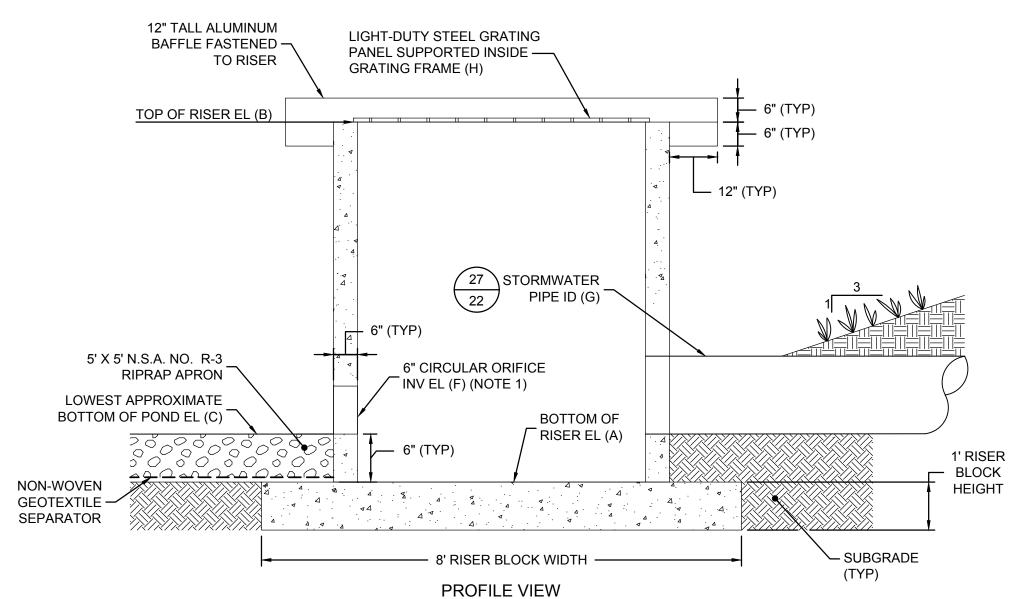
PERIMETER AND STORMWATER CHANNELS SCALE: NTS

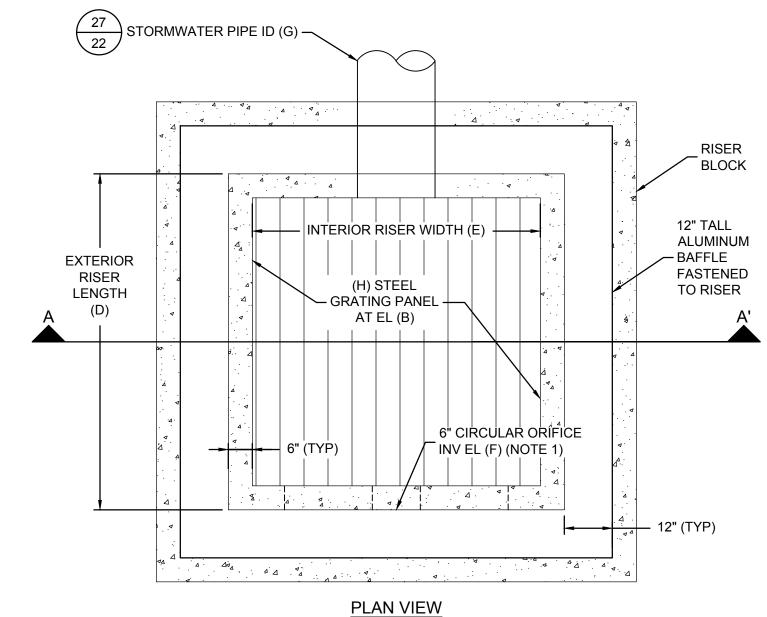


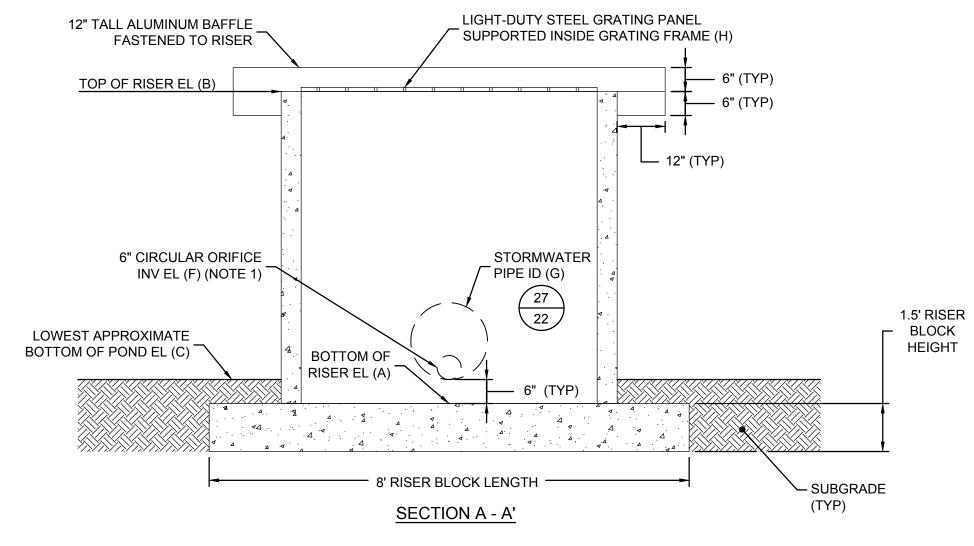
SUBGRADE —			
DESIGNATION	(A)	(B)	(C)
POND ID	SPILLWAY INV EL (FT)	TOP OF BERM EL (FT)	MINIMUM DEPTH (FT)
NORTH STORMWATER POND	398.5	399.0	0.5
SOUTHWEST STORMWATER POND	385.5	387.0	1.5
SOUTHEAST STORMWATER POND	385.5	387.0	1.5

DETAIL

EMERGENCY SPILLWAY SCALE: NTS









DESIGNATION	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
POND ID	BOTTOM OF RISER EL (FT)	TOP OF RISER EL (FT)	LOWEST APPROX. BOTTOM OF POND EL (FT)	EXTERIOR RISER LENGTH (FT)	INTERIOR RISER WIDTH (FT)	ORIFICE INV EL (FT)	STORMWATER PIPE ID	PANEL LENGTH (IN) X WIDTH (IN)
NORTH STORMWATER POND	387.2	393.2	387.7	6	5	387.7	NORTH POND PRINCIPAL SPILLWAY	62 x 62
SOUTHWEST STORMWATER POND	375.5	383.5	376.0	6	5	376.0	SOUTHWEST POND PRINCIPAL SPILLWAY	62 x 62
SOUTHEAST STORMWATER POND	367.2	372.2	367.7	6	5	367.7	SOUTHEAST POND PRINCIPAL SPILLWAY	62 x 62

DETAIL CONCRETE RISER SCALE: NTS

NOTES:

- 1. TRASH RACK WILL BE INSTALLED OVER DRAWDOWN ORIFICES TO PREVENT CLOGGING.
- 2. SIDE SLOPE DIMENSIONS ARE PRESENTED SUCH THAT THE PERIMETER AND STORMWATER CHANNEL CROSS SECTIONS ARE CUT LOOKING DOWNSTREAM WITH RESPECT TO THE DIRECTION OF FLOW.
- 3. THE LEFT SIDE SLOPE OF STORMWATER CHANNEL 17 (SWC 17) VARIES WITH EXISTING GROUND.
- 4. FOR PERIMETER CHANNELS (SWC 1 THROUGH 15), NON-WOVEN GEOTEXTILE SEPARATOR AND CHANNEL LINING MATERIAL WILL NOT TERMINATE AT THE CREST OF THE CHANNEL SLOPE. SEE DETAIL 22 ON SHEET 18 FOR TERMINATION OF THESE COMPONENTS ON THE PERIMETER DIKE.





Georgia Power

PERMIT DRAWINGS NOT FOR CONSTRUCTION

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$\sim$	10.14.22	GA EPD SUBMITTAL	SRN	MI
REV	DATE	DESCRIPTION	DRN	APP
	STOF	RMWATER MANAGEMENT SYSTEM DETA	ILS III	

PLANT BRANCH CCR LANDFILL PUTNAM COUNTY, GEORGIA

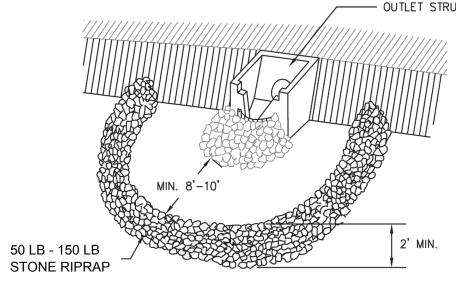
Geosyntec[©]

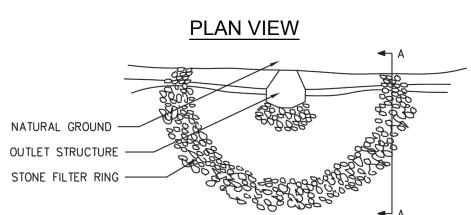
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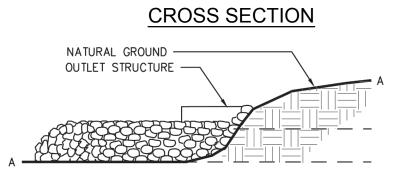
1255 ROBERTS BOULEVARD NW, SUITE 200 KENNESAW, GEORGIA 30144-3694 PHONE: 678.202.9500 WWW.GEOSYNTEC.COM PROJ. NO. 6364-122 EDIT 09.22.23 GW6364 SCALE AS SHOWN DRAWING 23 OF 25 SEPTEMBER 2023

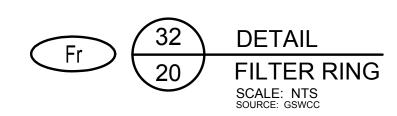
GEORGIA CERTIFICATE OF

## PERSPECTIVE VIEW - OUTLET STRUCTURE

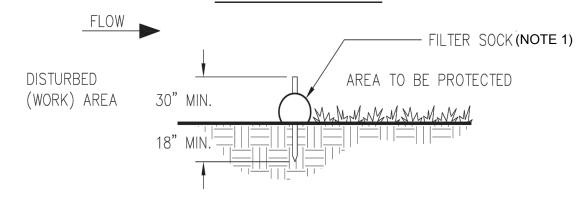


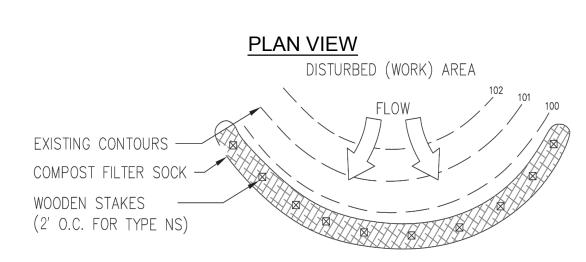






### **CROSS SECTION**



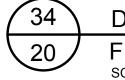


AREA TO BE PROTECTED

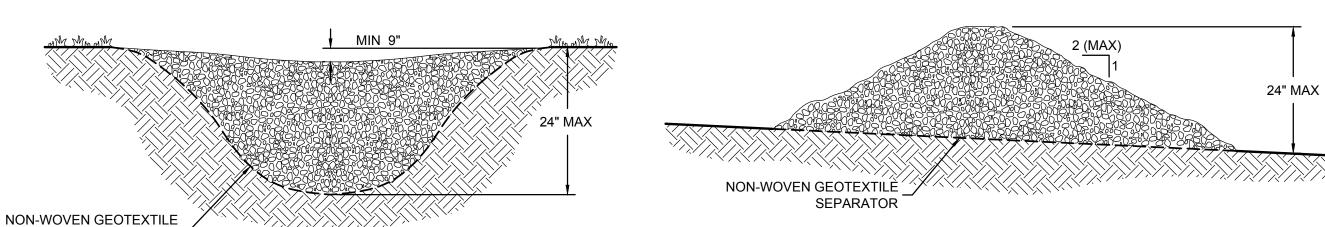
NOTE:

1. FILTER SOCK HEIGHT WILL BE EVALUATED TO MEET DESIGN CRITERIA IDENTIFIED WITHIN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA (GSWCC) AND PROVIDED WITHIN THE DETAILED DESIGN. THE MINIMUM DIAMETER WILL BE 18".





**CROSS SECTION** 



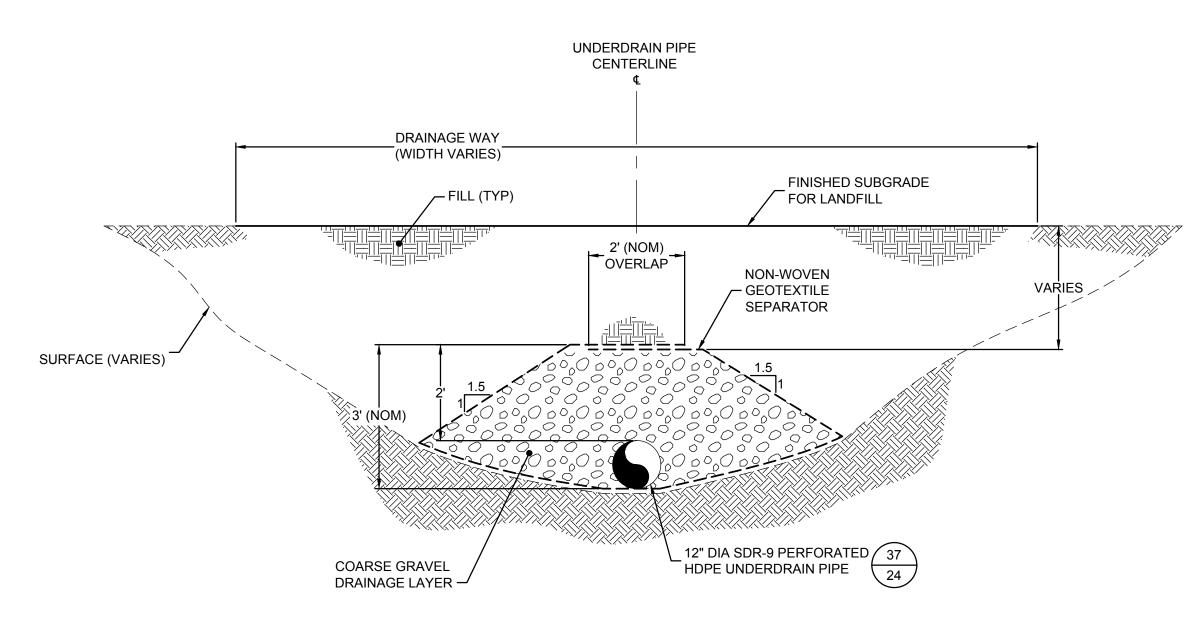
PROFILE VIEW

### NOTES:

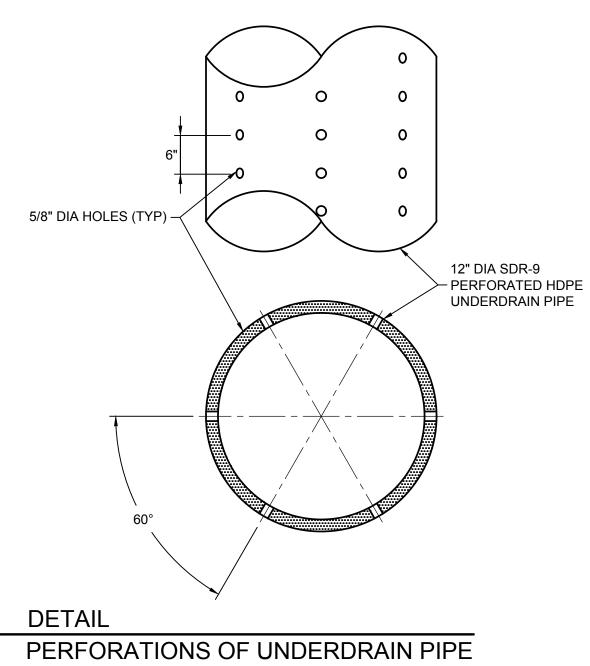
SEPARATOR

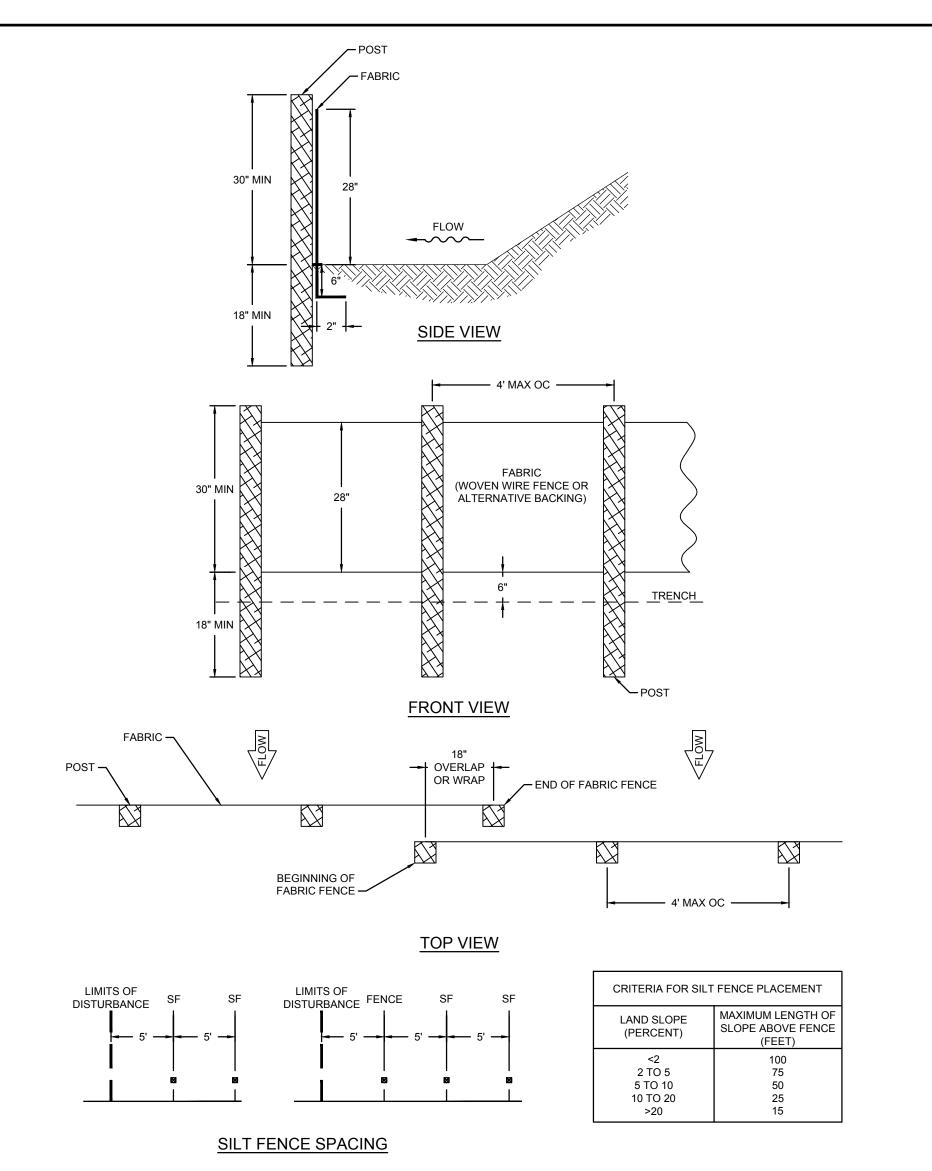
- 1. CHECK DAMS ARE TO BE USED ONLY IN SMALL OPEN CHANNELS (THEY ARE NOT TO BE USED IN LIVE STREAMS).
- 2. THE DRAINAGE AREA FOR STONE CHECK DAMS SHALL NOT EXCEED TWO ACRES.
- 3. STONE CHECK DAM HEIGHT AND SPACING WILL BE EVALUATED TO MEET DESIGN CRITERIA IDENTIFIED WITHIN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA (GSWCC) AND PROVIDED WITHIN THE DETAILED DESIGN (SPACED SUCH THAT THE TOE OF THE UPSTREAM DAM IS AT THE SAME ELEVATION AS THE TOP OF THE DOWNSTREAM DAM).











- 1. FENCE WILL BE MAINTAINED DURING CONSTRUCTION UNTIL FINAL SURFACE TREATMENTS HAVE BEEN APPLIED AND A SUFFICIENT STAND OF GRASS HAS BEEN
- 2. ADDITIONAL SILT FENCE WILL BE REQUIRED IN AREAS WHICH ARE CLEARED OR GRADED AND DO NOT HAVE STORMWATER RUNOFF DIVERTED TO SEDIMENT

### INSTALLATION:

- 1. WHERE NO SEDIMENT TRAP/STORMWATER DISPOSAL SYSTEM IS PRESENT, MAXIMUM SLOPE LENGTH WILL NOT EXCEED THAT IN THE TABLE. THE DRAINAGE AREA WILL NOT EXCEED 1/4 ACRE PER 100 FEET OF SILT FENCE.
- 2. INSTALL ALONG CONTOURS WITH ENDS POINTING UPHILL
- 3. DO NOT PLACE IN WATERWAYS OR AREAS OF CONCENTRATED FLOW.
- 4. PROVIDE A RIPRAP SPLASH PAD OR OTHER OUTLET PROTECTION DEVICE FOR ANY POINT WHERE FLOW MAY TOP THE SEDIMENT FENCE. ENSURE THAT THE MAXIMUM HEIGHT OF THE FENCE AT A PROTECTED, REINFORCED OUTLET DOES NOT EXCEED 1 FT.
- 5. POSTS WILL BE STEEL AND HAVE A MINIMUM LENGTH OF 4 FEET. POSTS WILL BE "U", "T", OR "C" SHAPED AND HAVE A MINIMUM WEIGHT OF 1.3 POUNDS PER FOOT. THE POSTS WILL HAVE PROJECTIONS FOR FASTENING THE WOVEN WIRE AND FILTER FABRIC. MAXIMUM POST SPACING WILL BE 4 FEET FOR TYPE C.
- 6. SAFETY CAPS ARE REQUIRED FOR ALL STEEL POSTS.
- 7. A WOVEN WIRE SUPPORT FENCE WILL BE USED WITH TYPE "C" FENCE. THE WIRE FENCE FABRIC WILL BE AT LEAST 36 INCHES HIGH AND WILL HAVE AT LEAST 6 HORIZONTAL WIRES. VERTICAL WIRES WILL HAVE A MAXIMUM SPACING OF 12 INCHES. THE TOP AND BOTTOM WIRES WILL BE AT LEAST 10 GAUGE AND ALL OTHER WIRES WILL BE AT LEAST 12 1/2 GAUGE.
- 8. APPROVED SILT FENCE FABRICS ARE LISTED IN THE GEORGIA DEPARTMENT OF TRANSPORTATION QUALIFIED PRODUCTS LIST #36 (QPL-36).









NOT FOR CONSTRUCTION

	EROSION AND SEDIMENT CONTROL AND MISCELLANEOUS DETA
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DESCRIPTION

PLANT BRANCH CCR LANDFILL PUTNAM COUNTY, GEORGIA

Geosyntec D consultants 1255 ROBERTS BOULEVARD NW, SUITE 200 KENNESAW, GEORGIA 30144-3694

10.14.22 GA EPD SUBMITTAL

DATE

REV

AUTHORIZATION (COA) NO PEF000260, EXP. 06/30/2024 PHONE: 678.202.9500 WWW.GEOSYNTEC.COM

DRN APP

GEORGIA CERTIFICATE OF

6364-123 PROJ. NO. GW6364 EDIT 10.14.22 SCALE AS SHOWN DRAWING 24 OF 25 OCTOBER 2022

