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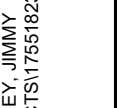
A

PLOT D
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EY, JIMMY
TTS(1755182

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EY, JIMMY
TTS(1755182



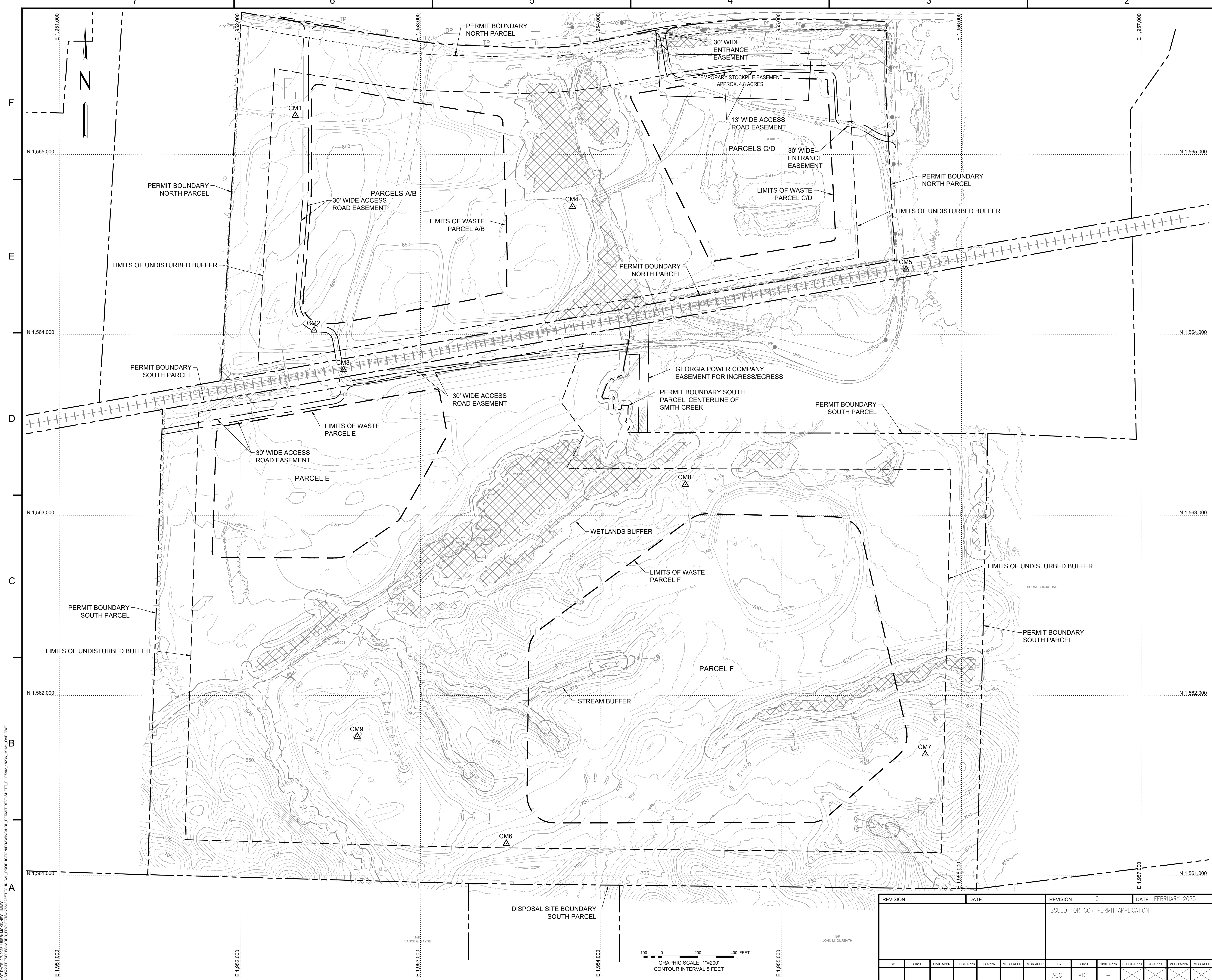
EY, JIMMY
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EY, JIMMY
TTS(1755182

PLT DATE: 2/2/2025 USER: JCHANEY HWY: 11052522 PPS381 ISSUED, PROJECT: 175518236 TECHNICAL PRODUCTION DRAWING PERMIT REVIEW SHEET FILES: 02_181031_CVR.DWG



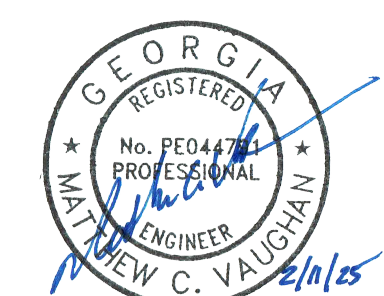
MAPPING SOURCE NOTES:
1. TOPOGRAPHIC AND PLANIMETRIC SURVEY INFORMATION FOR THE PLANS WERE OBTAINED FROM SURVEYS PERFORMED BY SOUTHERN COMPANY SERVICES, INC. DATED MARCH 2008 AND JANUARY 2016, AND CONTOURS OBTAINED FROM DIGITAL TERRAIN MODELS OF AERIAL LIDAR SURVEYS DATED NOVEMBER 2019 AND FEBRUARY 2022, SUPPLEMENTED WITH AERIAL LIDAR SURVEYS DATED JANUARY 2021, APRIL 2022, AND AUGUST 2022.
2. ALL COORDINATES ARE BASED ON NORTH AMERICAN DATUM 83 (NAD 83), GEORGIA STATE PLANE, WEST ZONE. ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88).

NOTE:
SEE SHEET 84 (PROPERTY PLAT AND CLOSURE STATEMENT) FOR PROPERTY BOUNDARY INFORMATION.

- LEGEND**
- 500 EXISTING INDEX CONTOUR
 - OHE EXISTING INTERMEDIATE CONTOUR
 - FO OVERHEAD ELECTRIC LINE
 - FO FIBER OPTIC LINE
 - RAILROAD
 - X CHAIN LINK FENCE
 - TREELINE
 - PROPERTY LINE
 - LIMIT OF UNDISTURBED BUFFER
 - WETLANDS BUFFER
 - STREAM BUFFER
 - WETLANDS
 - RIPRAP
 - PP POWER POLE
 - DP DISTRIBUTION POST (ELECTRICAL)
 - TP TELEPHONE POST
 - Δ SURVEY CONTROL MONUMENT

CONTROL MONUMENT TABLE			
MONUMENT	NORTHING*	EASTING*	ELEVATION* (FEET)
CM1 (EXISTING)	1,565,216.59	1,952,306.07	683.26
CM2 (EXISTING)	1,564,025.32	1,952,410.32	662.68
CM3 (EXISTING)	1,563,805.73	1,952,573.68	656.05
CM4 (EXISTING)	1,564,711.02	1,953,843.11	653.59
CM5 (EXISTING)	1,564,363.05	1,955,692.91	660.37
CM6 (PROPOSED)	1,561,180.51	1,953,476.32	698.30
CM7 (PROPOSED)	1,561,675.39	1,955,798.80	717.88
CM8 (PROPOSED)	1,563,170.59	1,954,468.47	668.41
CM9 (PROPOSED)	1,561,774.13	1,952,649.82	675.70

* SEE NOTE FOR GEOSPACIAL REFERENCE



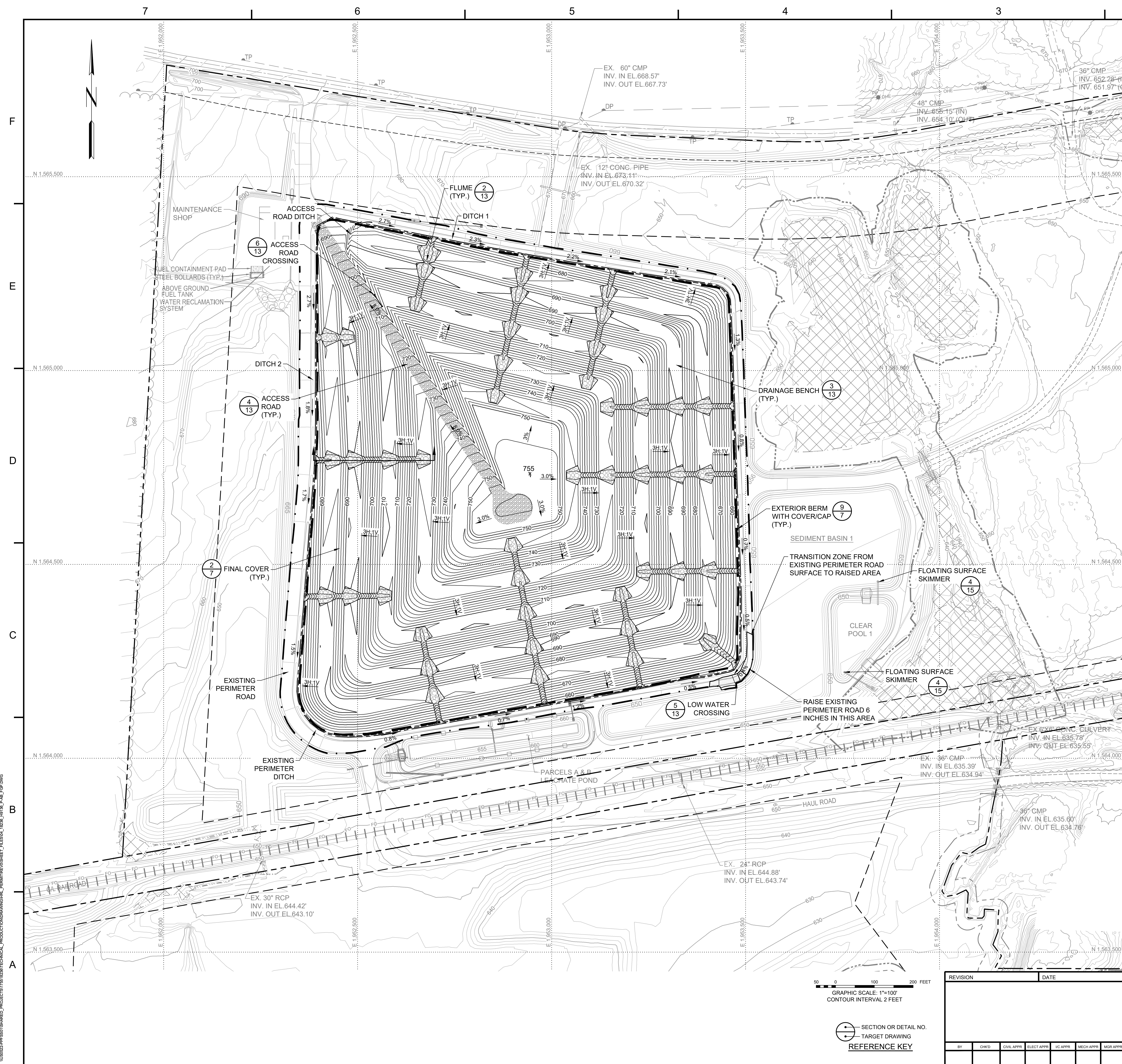
ISSUED FOR PERMIT

Stantec Consulting Services, Inc. FOR			
GEORGIA POWER COMPANY			
PLANT HAMMOND — HUFFAKER ROAD COAL COMBUSTION RESIDUALS DISPOSAL FACILITY SITE OVERVIEW PLAN			
SCALE	PROJ. I.D.	DRAWING NUMBER	Sht
AS SHOWN	175518236	-	2
CONTD.	REV		
			FINAL
			0

REVISION		DATE	
ISSUED FOR CCR PERMIT APPLICATION		FEBRUARY 2025	
BY	CHKD	CIVIL APPR	ELECT APPR
ACC	KDL	-	-
IC APPR	MECH APPR	MGR APPR	

GRAPHIC SCALE: 1"=200'
CONTOUR INTERVAL 5 FEET





MAPPING SOURCE NOTES

1. TOPOGRAPHIC AND PLANIMETRIC SURVEY INFORMATION FOR THE PLANS WERE OBTAINED FROM SURVEYS PERFORMED BY SOUTHERN COMPANY SERVICES, INC. DATED MARCH 2008 AND JANUARY 2016, AND CONTOURS OBTAINED FROM DIGITAL TERRAIN MODELS OF AERIAL LIDAR SURVEYS DATED NOVEMBER 2019 AND FEBRUARY 2022, SUPPLEMENTED WITH AERIAL LIDAR SURVEYS DATED JANUARY 2021, APRIL 2022, AND AUGUST 2022.
2. ALL COORDINATES ARE BASED ON NORTH AMERICAN DATUM 83 (NAD 83), GEORGIA STATE PLANE, WEST ZONE. ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88).

NOTES:

1. THE BASEMAP HAS BEEN MODIFIED TO REFLECT A MERGE OF EXISTING CONDITIONS AND TOP OF WASTE/GEOMEMBRANE SUBGRADE DESIGN SURFACES.
2. THE FLOATING SURFACE SKIMMER WILL BE REMOVED ONCE VEGETATION HAS BEEN ESTABLISHED AT THE SITE.

LEGEND

	PROPOSED INDEX CONTOUR
	PROPOSED INTERMEDIATE CONTOUR
	EXISTING INDEX CONTOUR
	EXISTING INTERMEDIATE CONTOUR
	OVERHEAD ELECTRIC LINE
	FIBER OPTIC LINE
	RAILROAD
	CHAIN LINK FENCE
	TREELINE
	STORM SEWER PIPE/CULVERT
	PAVED ROAD
	GRAVEL ROAD
	EDGE OF WATER
	EXISTING EASEMENT
	PROPERTY LINE
	LIMIT OF UNDISTURBED BUFFER
	WETLANDS BUFFER
	STREAM BUFFER
	LIMITS OF CONSTRUCTION
	PERMIT BOUNDARY
	PROPERTY LINE/RIGHT-OF-WAY
	FINAL COVER 60 MIL HDPE LINER LIMIT
	FINAL COVER DOUBLE-SIDED GEOCOMPOSITE DRAINAGE LAYER LIMIT
	WETLANDS
	RIPRAP
	POWER POLE
	DISTRIBUTION POST (ELECTRICAL)
	TELEPHONE POST



ISSUED FOR PERMIT

Stantec Consulting Services, Inc.

GEORGIA POWER COMPANY

PLANT HAMMOND - HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
PARCELS A&B
FINAL GRADE PLAN

REVISION		DATE		REVISION 0		DATE FEBRUARY 2025		GEORGIA POWER COMPANY												
				ISSUED FOR CCR PERMIT APPLICATION				PLANT HAMMOND – HUFFAKER ROAD												
								COAL COMBUSTION RESIDUALS DISPOSAL FACILITY												
								PARCELS A&B												
								FINAL GRADE PLAN												
BY	CHKD	CIVL APPR	ELECT APPR	VC APPR	MECH APPR	MGR APPR	BY	CHKD	CIVL APPR	ELECT APPR	VC APPR	MECH APPR	MGR APPR	SCALE	PROJ ID	DRAWING NUMBER	SH	CONTD	REV	
							BMS	KDL	–	✕	✕	✕	✕	AS SHOWN	175518235			4	FINAL	

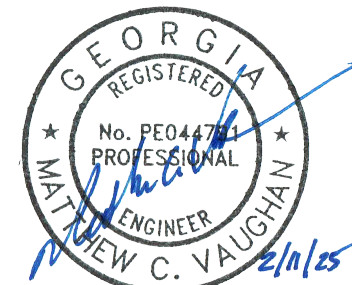
ANSI F: 28x40

AUTOCAD 2023

MAPPING SOURCE NOTES:
1. TOPOGRAPHIC AND PLANIMETRIC SURVEY INFORMATION FOR THE PLANS WERE OBTAINED FROM SURVEYS PERFORMED BY SOUTHERN COMPANY SERVICES, INC. DATED MARCH 2008 AND JANUARY 2016, AND CONTOURS OBTAINED FROM DIGITAL TERRAIN MODELS OF AERIAL LIDAR SURVEYS DATED NOVEMBER 2019 AND FEBRUARY 2022, SUPPLEMENTED WITH AERIAL LIDAR SURVEYS DATED JANUARY 2021, APRIL 2022, AND AUGUST 2022.
2. ALL COORDINATES ARE BASED ON NORTH AMERICAN DATUM 83 (NAD 83), GEORGIA STATE PLANE, WEST ZONE. ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88).

NOTE:
THE BASEMAP HAS BEEN MODIFIED TO REFLECT A MERGE OF EXISTING CONDITIONS, TOP OF WASTE/GEOMEMBRANE SUBGRADE AND FINAL GRADE DESIGN SURFACES.

- LEGEND**
- 500 PROPOSED INDEX CONTOUR
 - 600 PROPOSED INTERMEDIATE CONTOUR
 - EXISTING INDEX CONTOUR
 - EXISTING INTERMEDIATE CONTOUR
 - OHE OVERHEAD ELECTRIC LINE
 - FO FIBER OPTIC LINE
 - RAILROAD
 - CHAIN LINK FENCE
 - TREELINE
 - STORM SEWER PIPE/CULVERT
 - PAVED ROAD
 - GRAVEL ROAD
 - EDGE OF WATER
 - ESMT EXISTING EASEMENT
 - PROPERTY LINE
 - LIMIT OF UNDISTURBED BUFFER
 - WETLANDS BUFFER
 - STREAM BUFFER
 - LIMITS OF CONSTRUCTION
 - PERMIT BOUNDARY
 - PROPERTY LINE/RIGHT-OF-WAY
 - DITCH FLOWLINE
 - FINAL COVER 60 MIL HDPE LINER LIMIT
 - FINAL COVER DOUBLE-SIDED GEOCOMPOSITE DRAINAGE LAYER LIMIT
 - WETLANDS
 - ARMORED PERIMETER DITCH
 - POWER POLE
 - DISTRIBUTION POST (ELECTRICAL)
 - TELEPHONE POST



ISSUED FOR PERMIT

Stantec Consulting Services, Inc.
FOR

GEORGIA POWER COMPANY

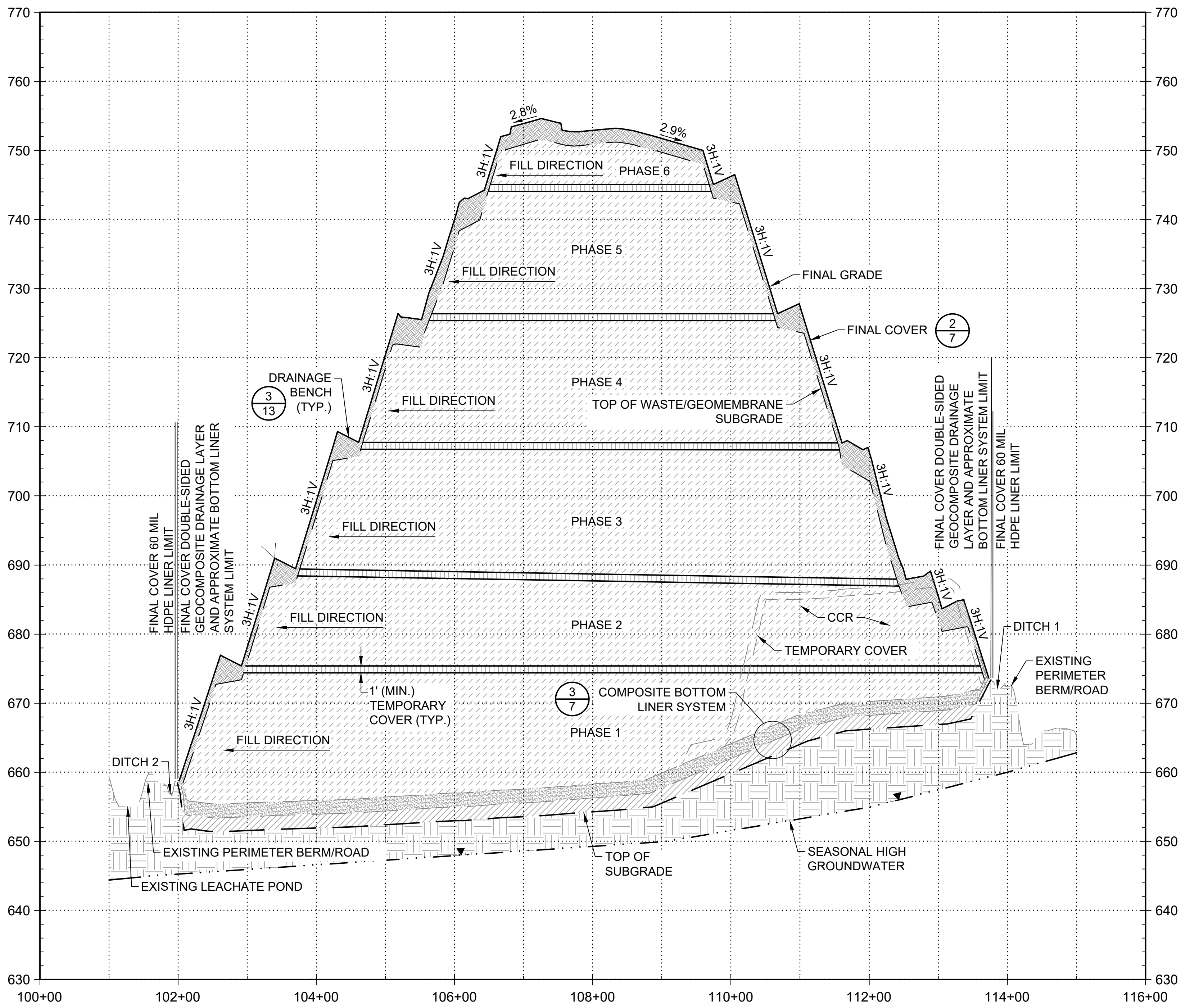
PLANT HAMMOND — HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
PARCELS A&B
STORMWATER MANAGEMENT PLAN

REVISION		DATE	REVISION		DATE
			0		FEBRUARY 2025
			ISSUED FOR CCR PERMIT APPLICATION		
BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR
BMS	KDL	-	-	-	-

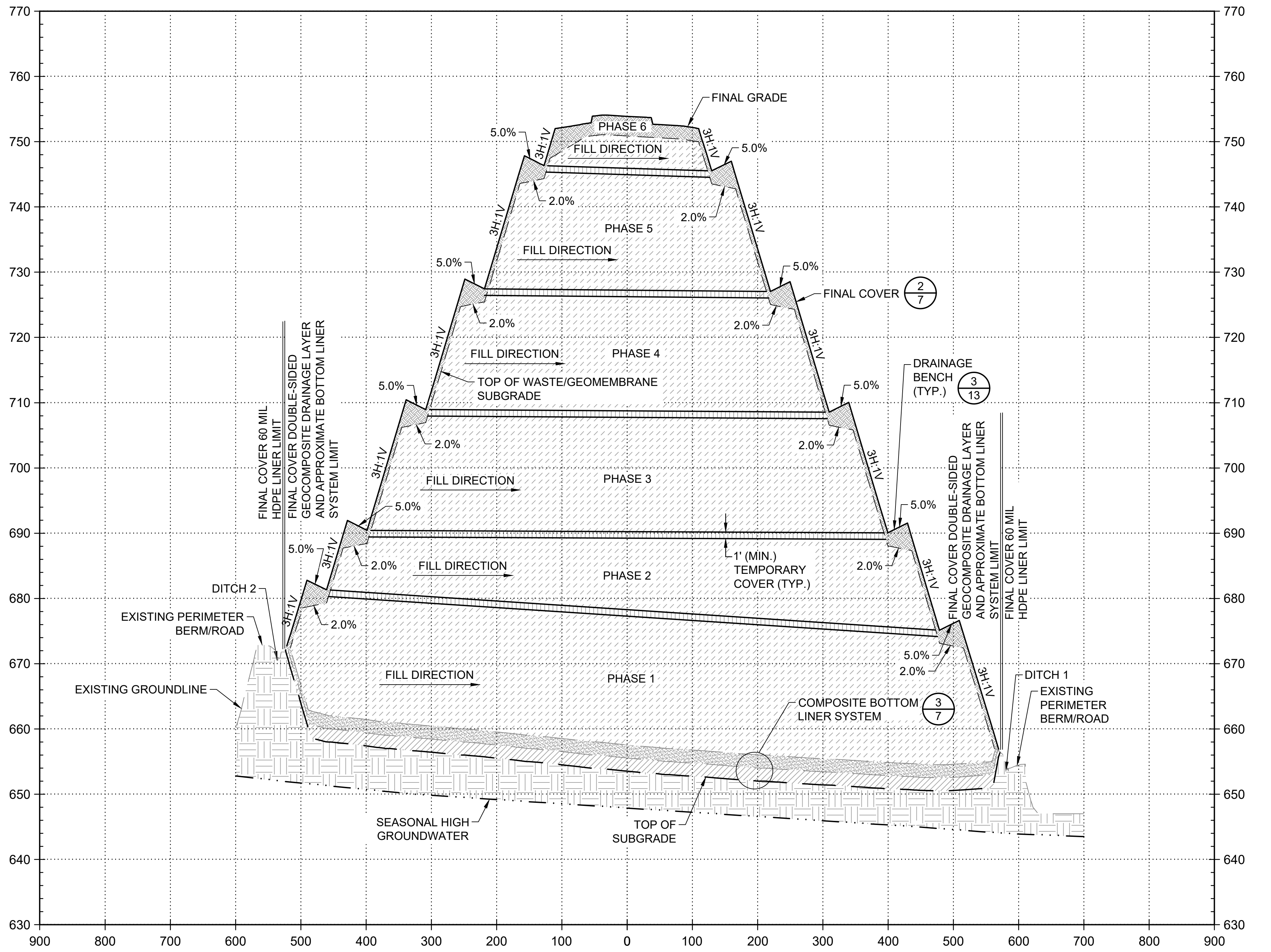
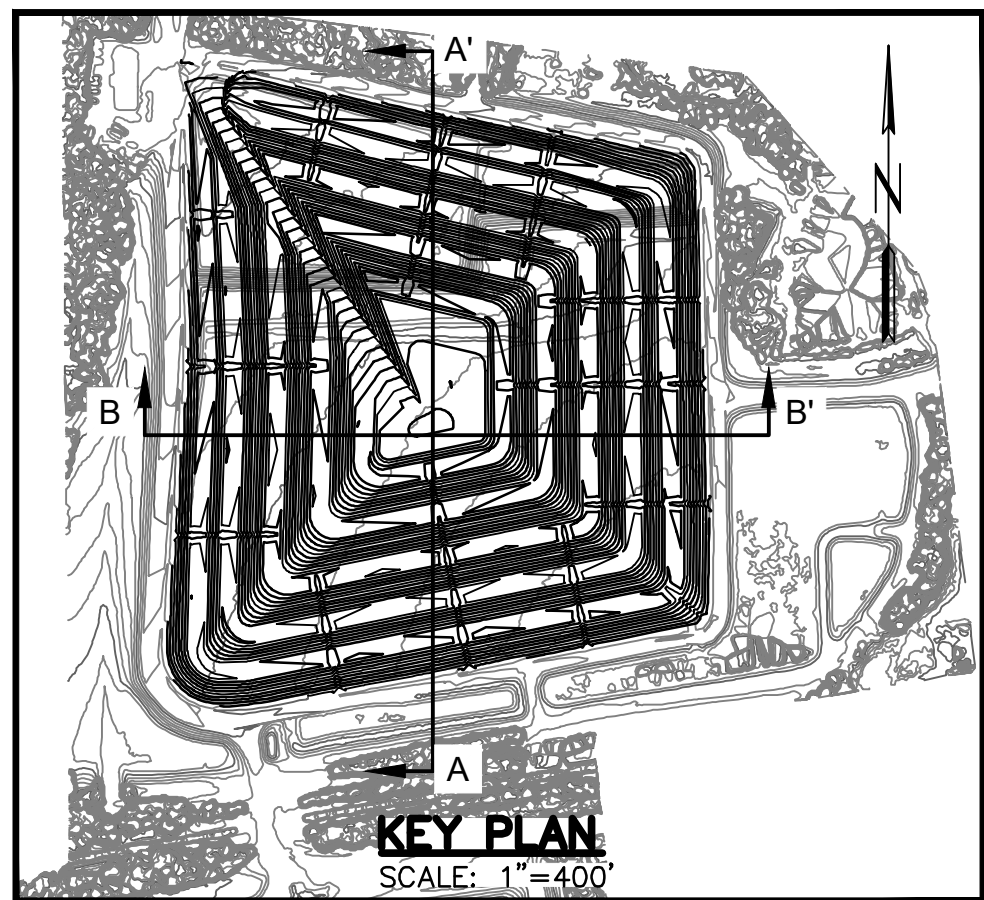
GRAPHIC SCALE: 1"=100'
CONTOUR INTERVAL 2 FEET

SECTION OR DETAIL NO.
TARGET DRAWING
REFERENCE KEY

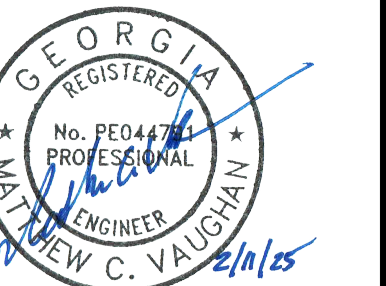
- NOTES:
1. THE ILLUSTRATED COMPOSITE BOTTOM LINER SYSTEM IS BASED ON A LIDAR SURVEY DATED NOVEMBER 2019 AND AS-BUILT SURVEY DATED DECEMBER 2015.
 2. CROSS SECTION MAY BE SKEWED TO THE GRADING. SEE FINAL GRADE PLAN FOR DESIGN SLOPES.
 3. TEMPORARY COVER SHALL BE REMOVED PRIOR TO PLACEMENT OF THE SUBSEQUENT LIFT.



SECTION A-A'
SCALE: 1"=100' (HORIZONTAL)
1"=10' (VERTICAL)



SECTION B-B'
SCALE: 1"=100' (HORIZONTAL)
1"=10' (VERTICAL)



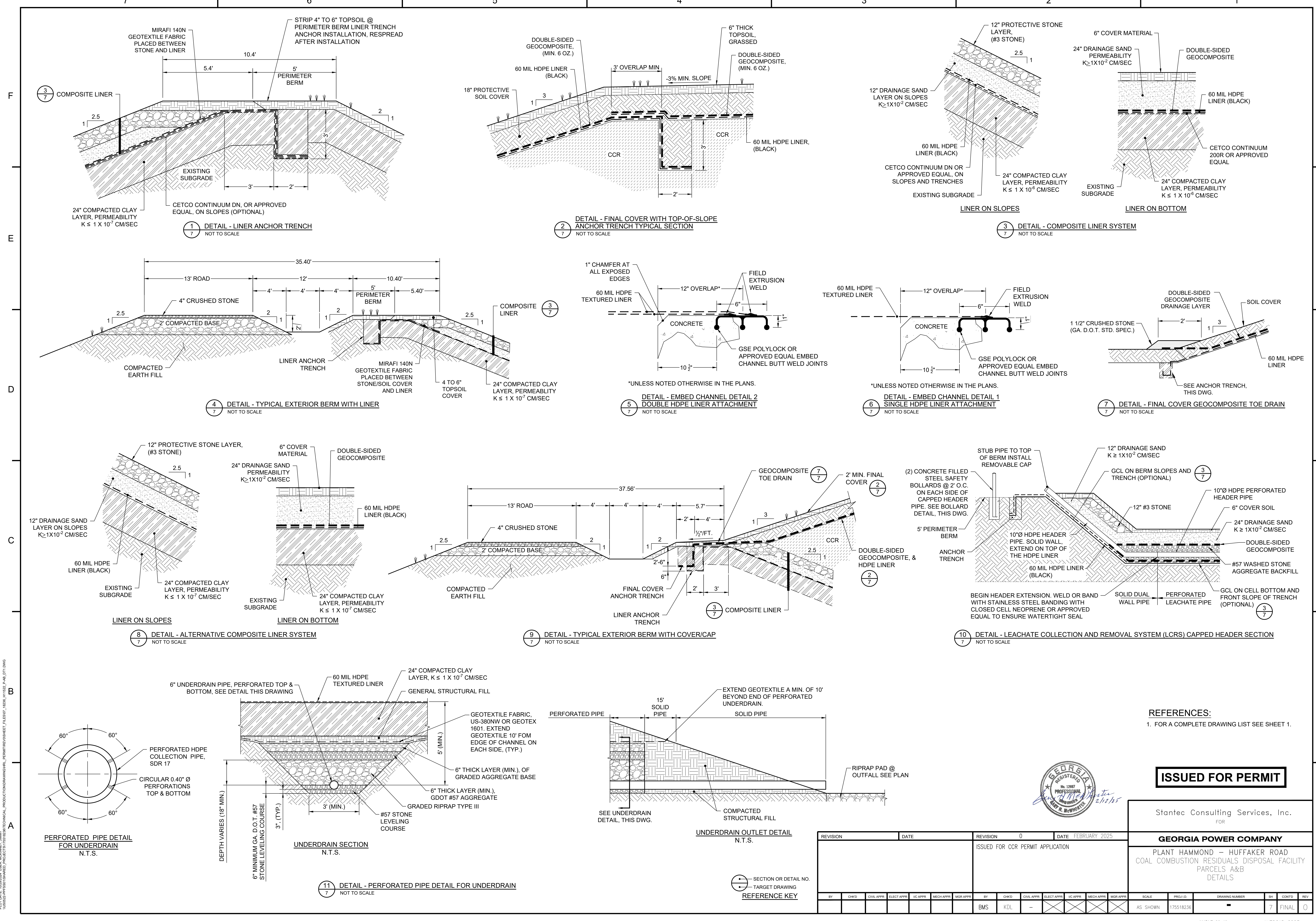
ISSUED FOR PERMIT

Stantec Consulting Services, Inc. FOR	
GEORGIA POWER COMPANY	
PLANT HAMMOND — HUFFAKER ROAD COAL COMBUSTION RESIDUALS DISPOSAL FACILITY PARCELS A&B CROSS SECTIONS	
SCALE	PROJ. I.D.
DRAWING NUMBER	SHEET
CONTD.	REV.

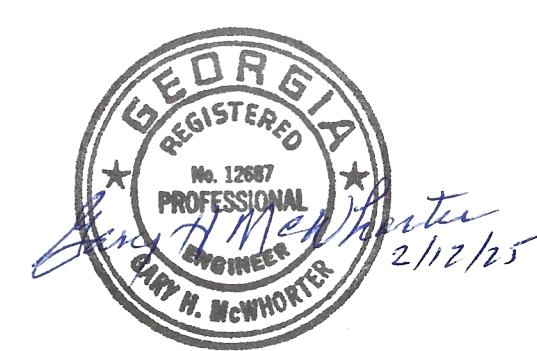
REVISION	DATE	REVISION	DATE
		0	FEBRUARY 2025
ISSUED FOR CCR PERMIT APPLICATION			
BY	CHKD	CIVIL APPR	ELECT APPR
		IC APPR	MECH APPR
		MGR APPR	
BMS	KDL	-	-

SECTION OR DETAIL NO.
TARGET DRAWING
REFERENCE KEY

PLT DATE: 10/20/2024 USER: MCKINNEY, JIMMY US05022 PPS01/SHARED PROJECTS/1518182/TECHNICAL PRODUCTION/DRAWING/IRL PERMIT REVIEW SHEET /FILES/07_1020_1/11522_P48_071.DWG



REFERENCES:
1. FOR A COMPLETE DRAWING LIST SEE SHEET 1.



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Stantec Consulting Services, Inc.
FOR

GEORGIA POWER COMPANY

PLANT HAMMOND — HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
PARCELS A&B
DETAILS

REVISION		DATE	REVISION		DATE
			0		FEBRUARY 2025
			ISSUED FOR CCR PERMIT APPLICATION		
BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR
BMS	KDL	-	-	-	-

SCALE	PROJ. I.D.	DRAWING NUMBER	SH	CONTD	REV
AS SHOWN	175518236	-	7	FINAL	0

PLT DATE: 02/02/2025 USER: JMCANNEY, JIMMY US06022-PPF5017015018236/TECHNICAL_PRODUCTION/DRAWING/IRL_PERMITS/REVISED/FILE006_10206_1/11502_P48_072.DWG

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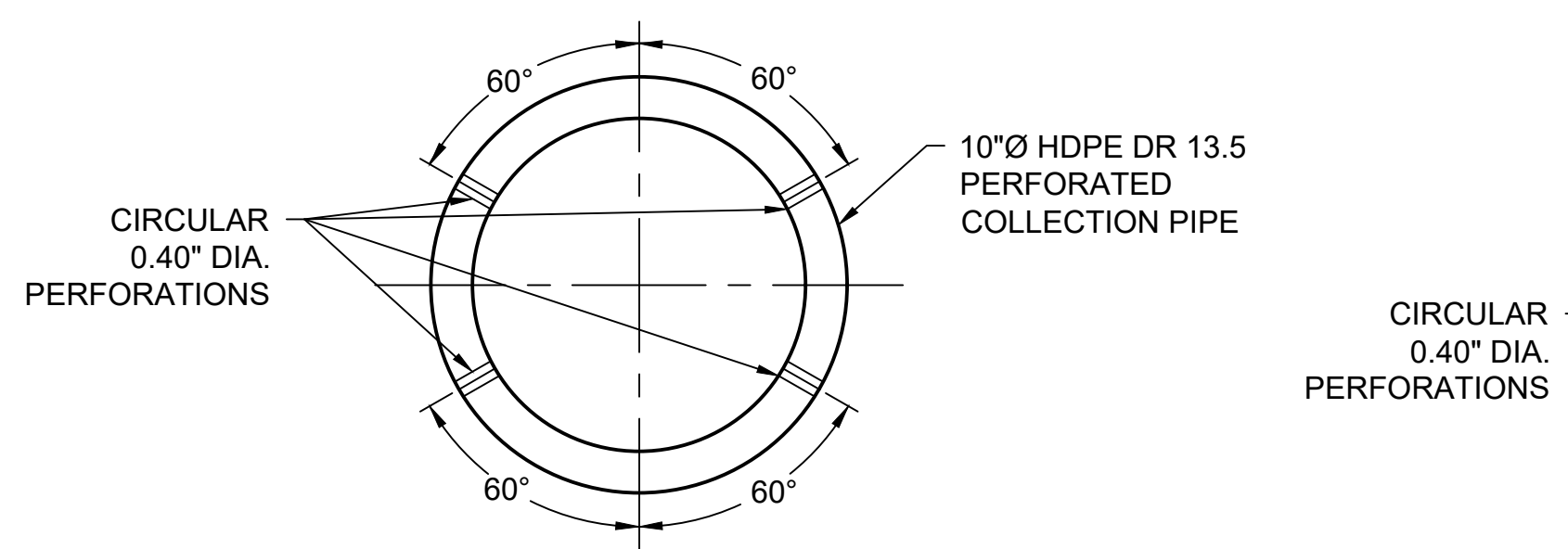
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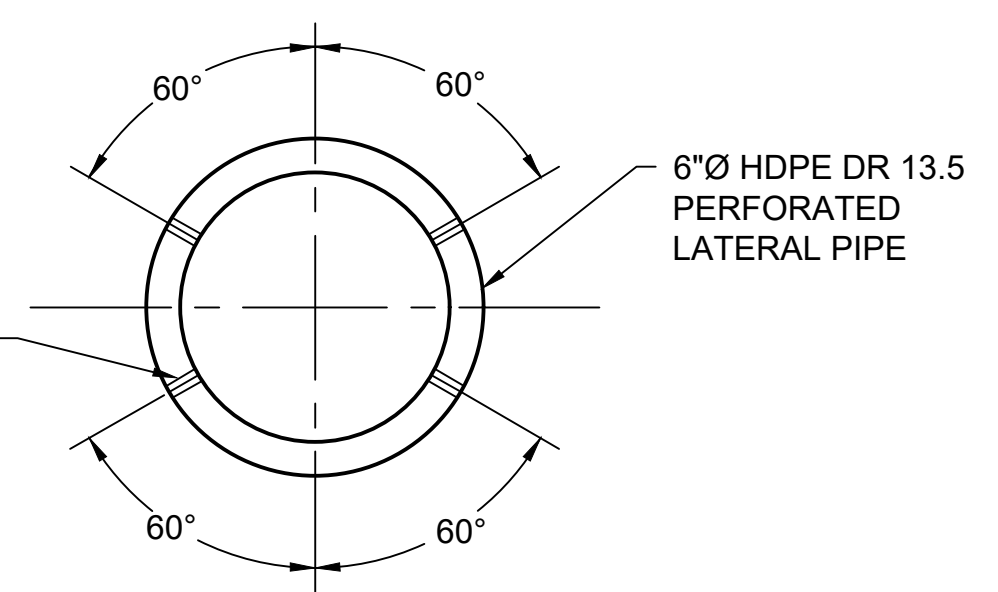
A



NOTE:
AASHTO CLASS I PERFORATION FOR
10" PIPE-6 ROWS OF PERFORATIONS
REQ'D PER FT-OF-PIPE
(TOTAL 24 PER FT OF PIPE. EACH
PERFORATION 0.4"Ø CIRCULAR.)

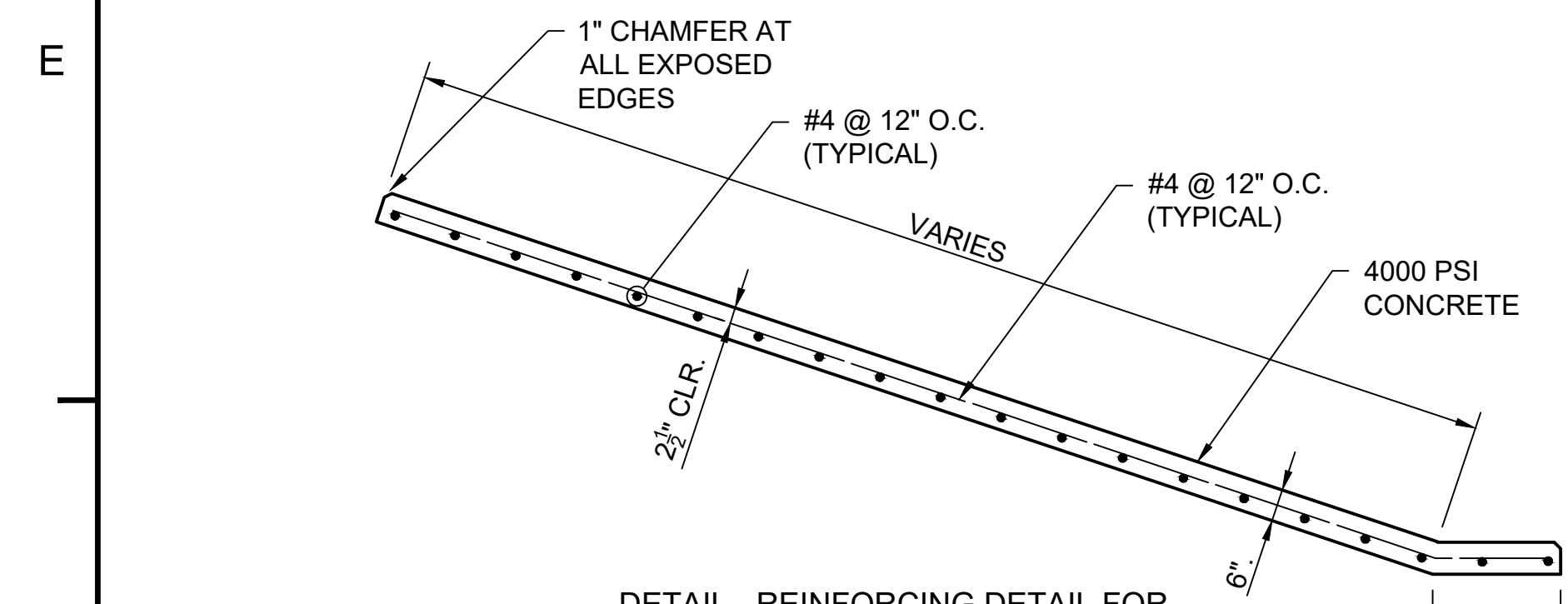
COLLECTOR PIPE

1
8
DETAIL - LEACHATE PERFORATED PIPE
NOT TO SCALE

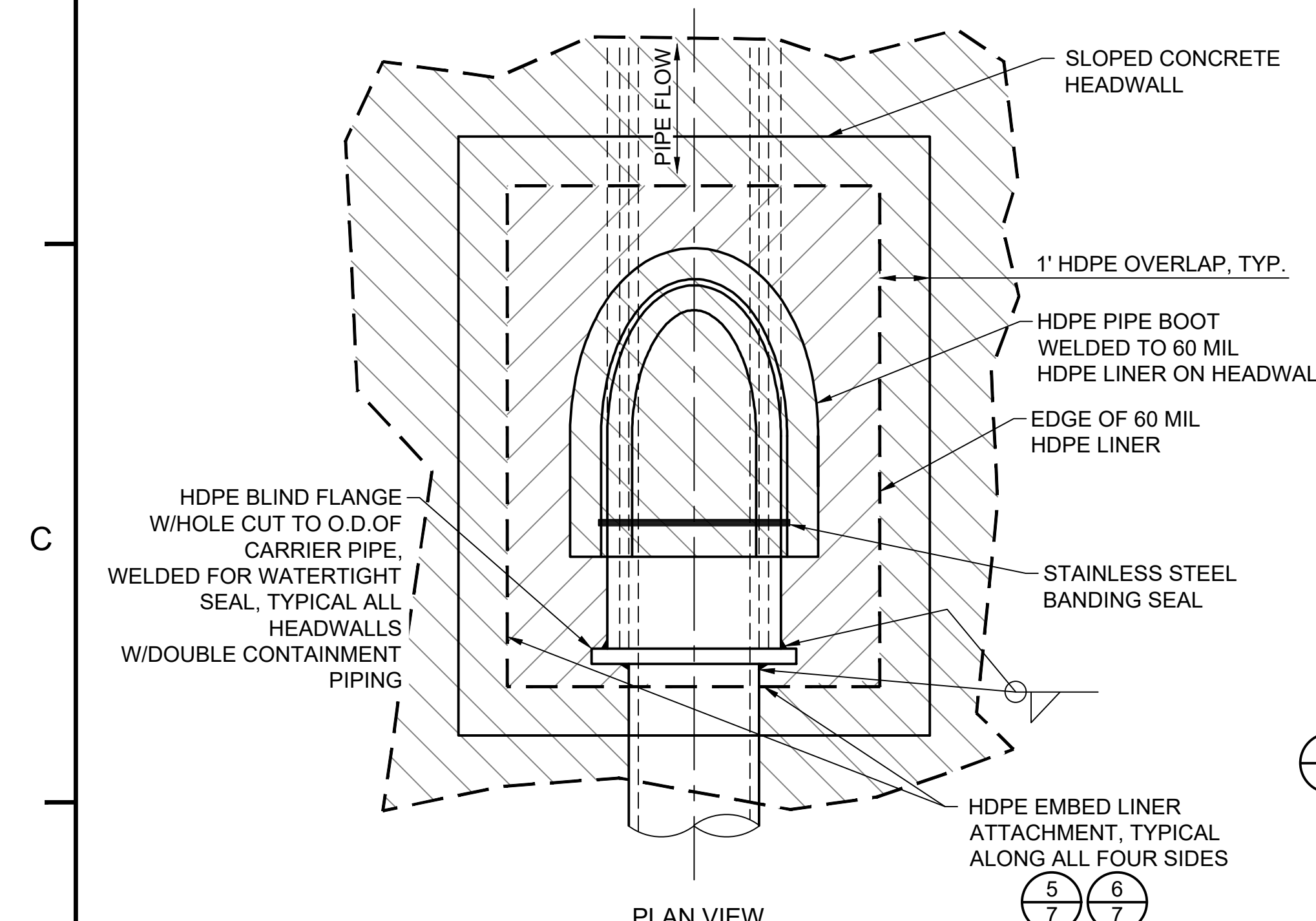


NOTE:
AASHTO CLASS I PERFORATION FOR
6" PIPE-6 ROWS OF PERFORATIONS
REQ'D PER FT-OF-PIPE
(TOTAL 24 PER FT OF PIPE. EACH
PERFORATION 0.4"Ø CIRCULAR.)

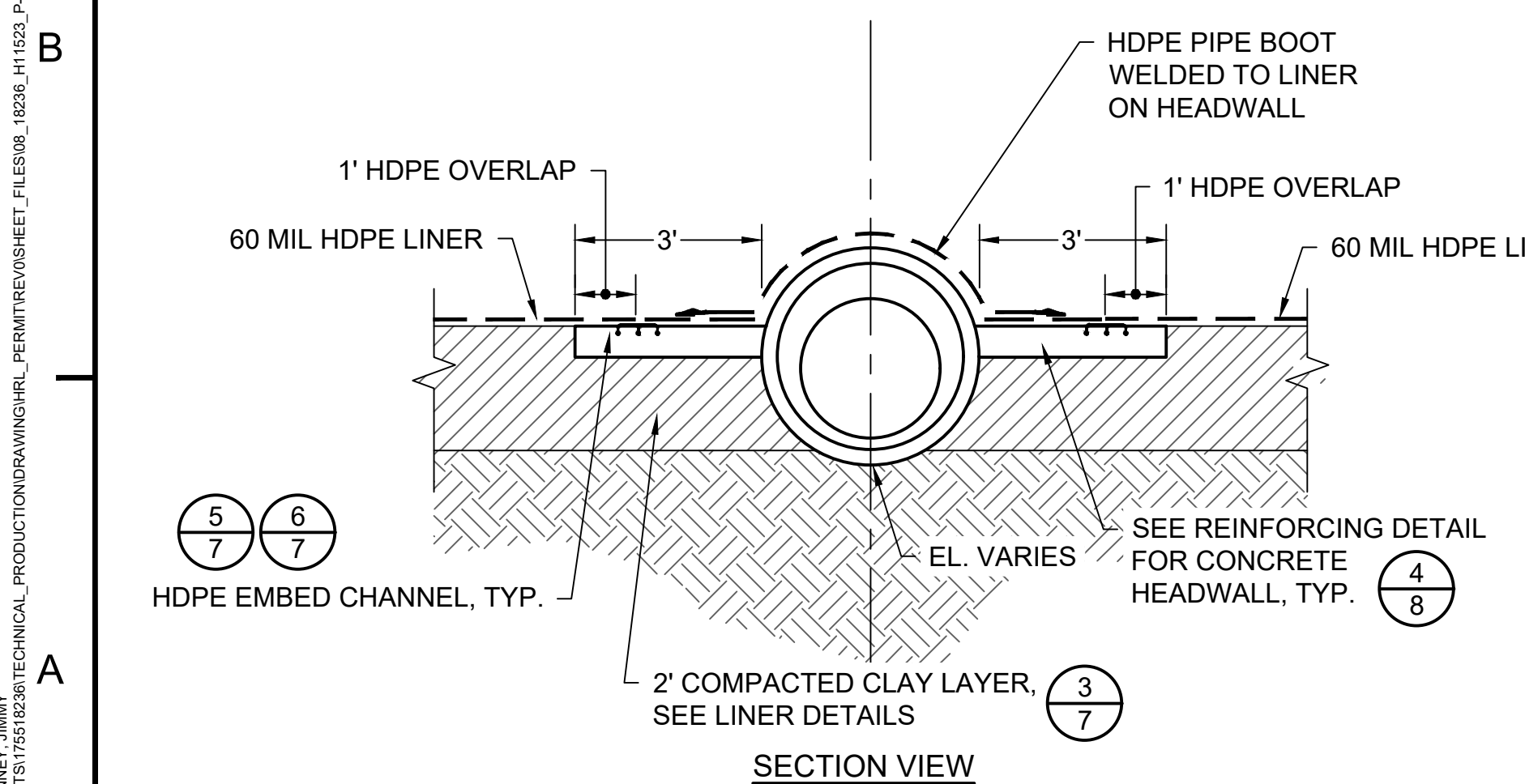
LATERAL PIPE



4
8
DETAIL - REINFORCING DETAIL FOR
(SLOPED CONCRETE HEADWALL)
NOT TO SCALE

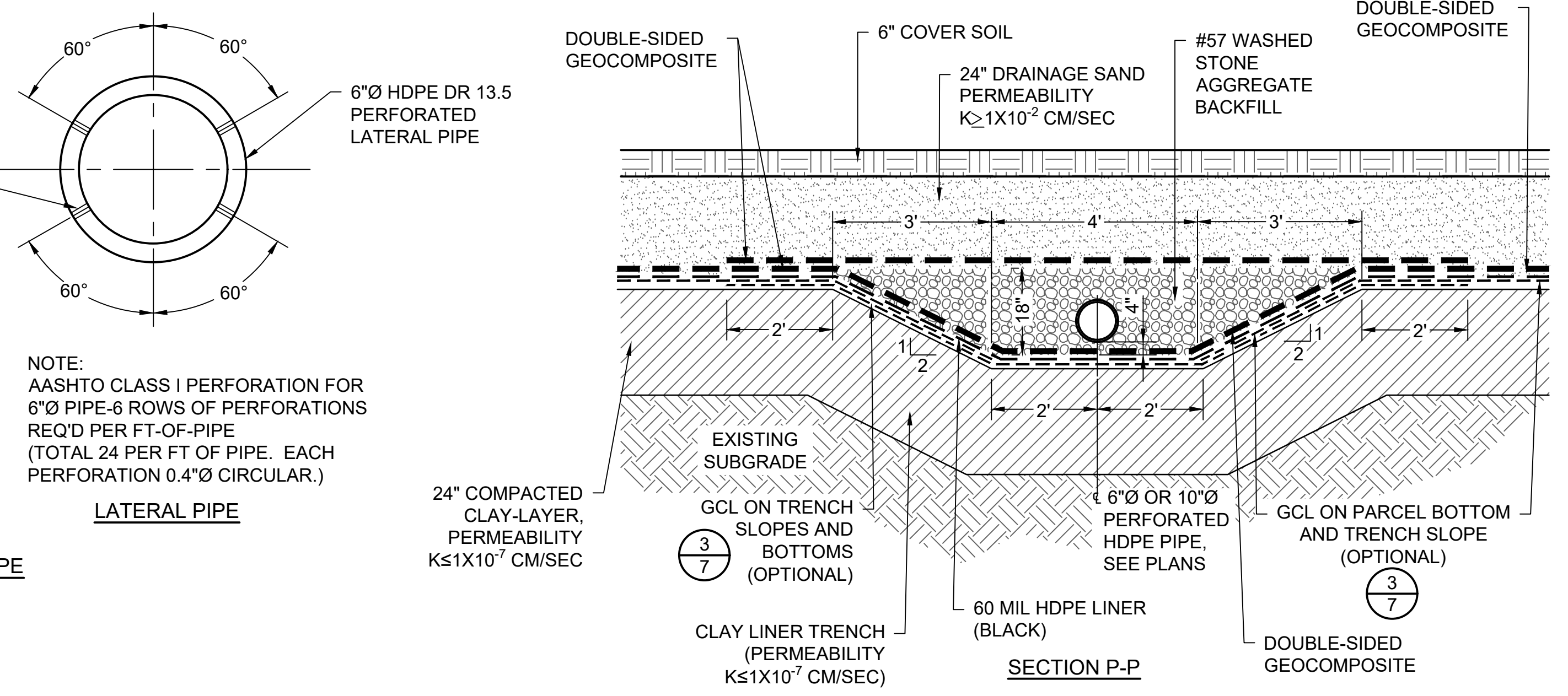


PLAN VIEW

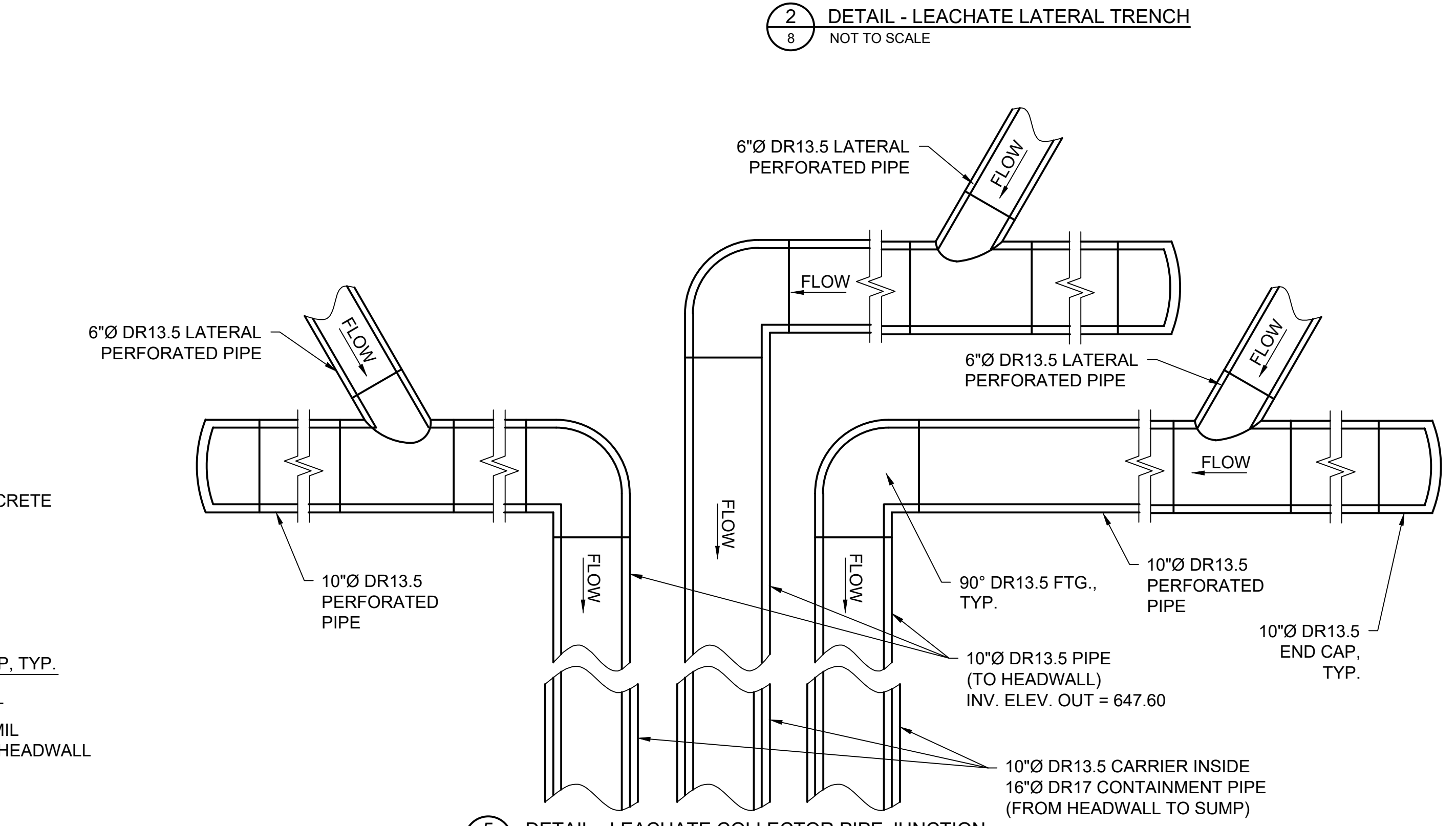


SECTION VIEW

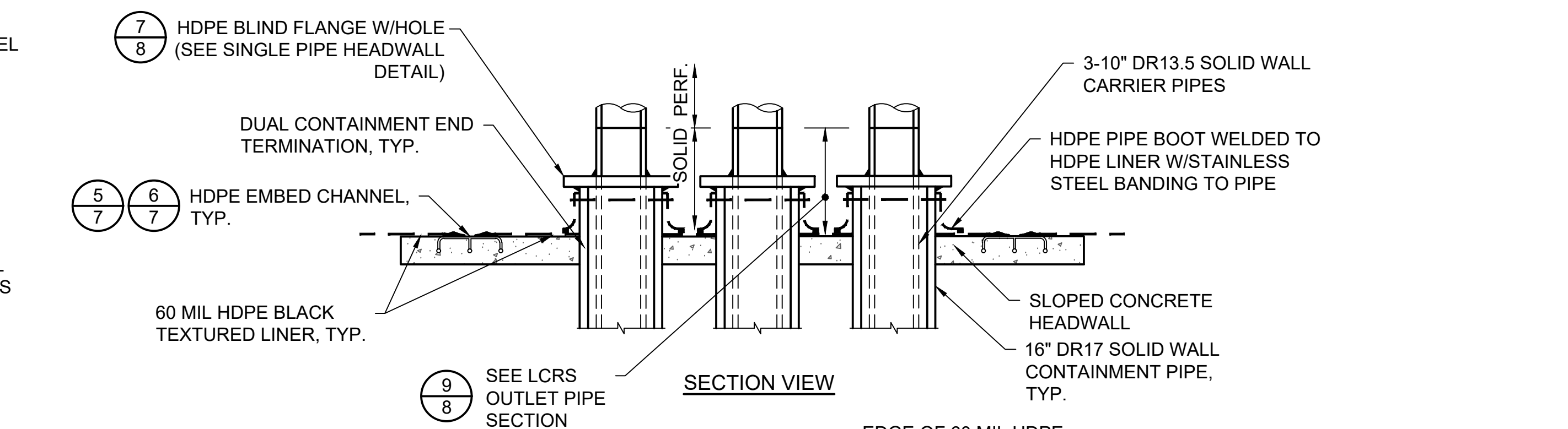
7
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DETAIL - LEACHATE COLLECTION AND REMOVAL
SYSTEM (LCRS) SINGLE PIPE HEADWALL
NOT TO SCALE



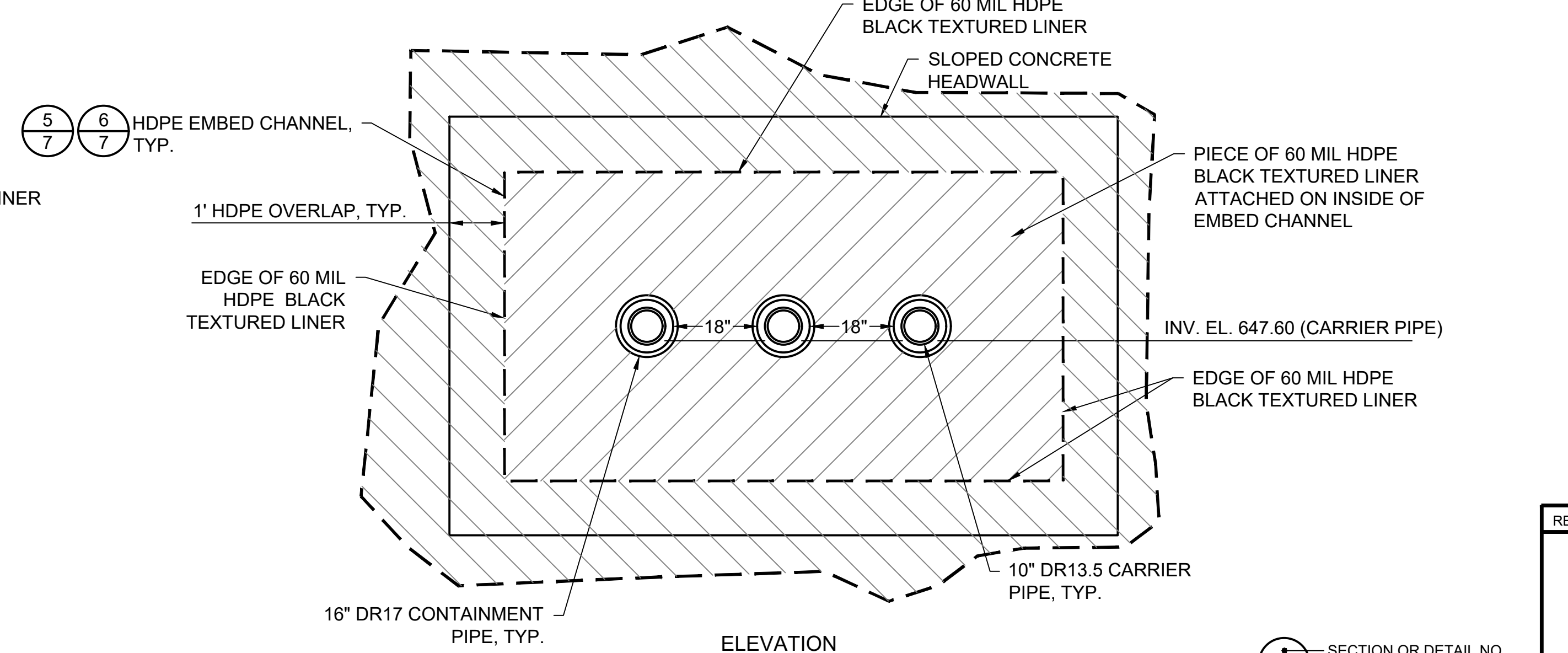
2
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DETAIL - LEACHATE LATERAL TRENCH
NOT TO SCALE



5
8
DETAIL - LEACHATE COLLECTOR PIPE JUNCTION
NOT TO SCALE



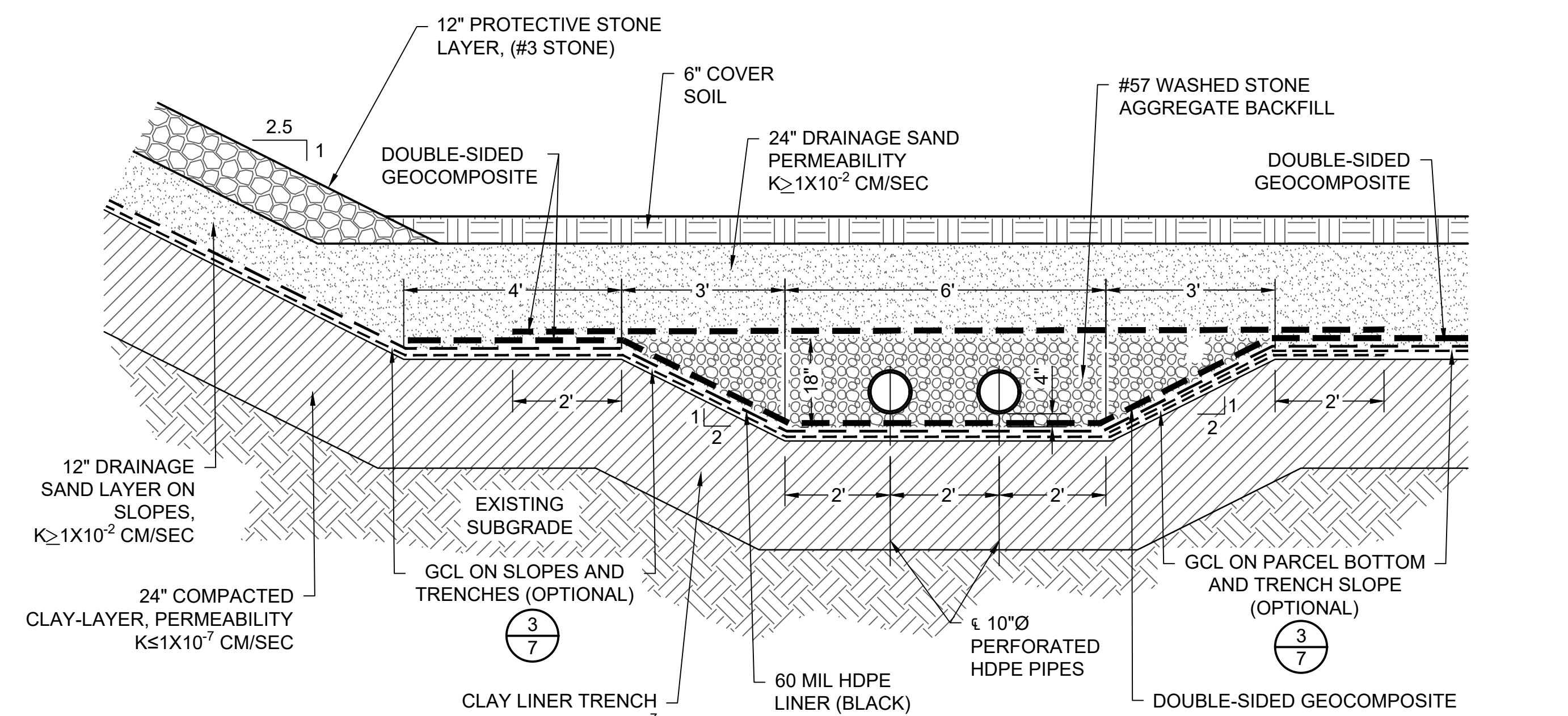
SECTION VIEW



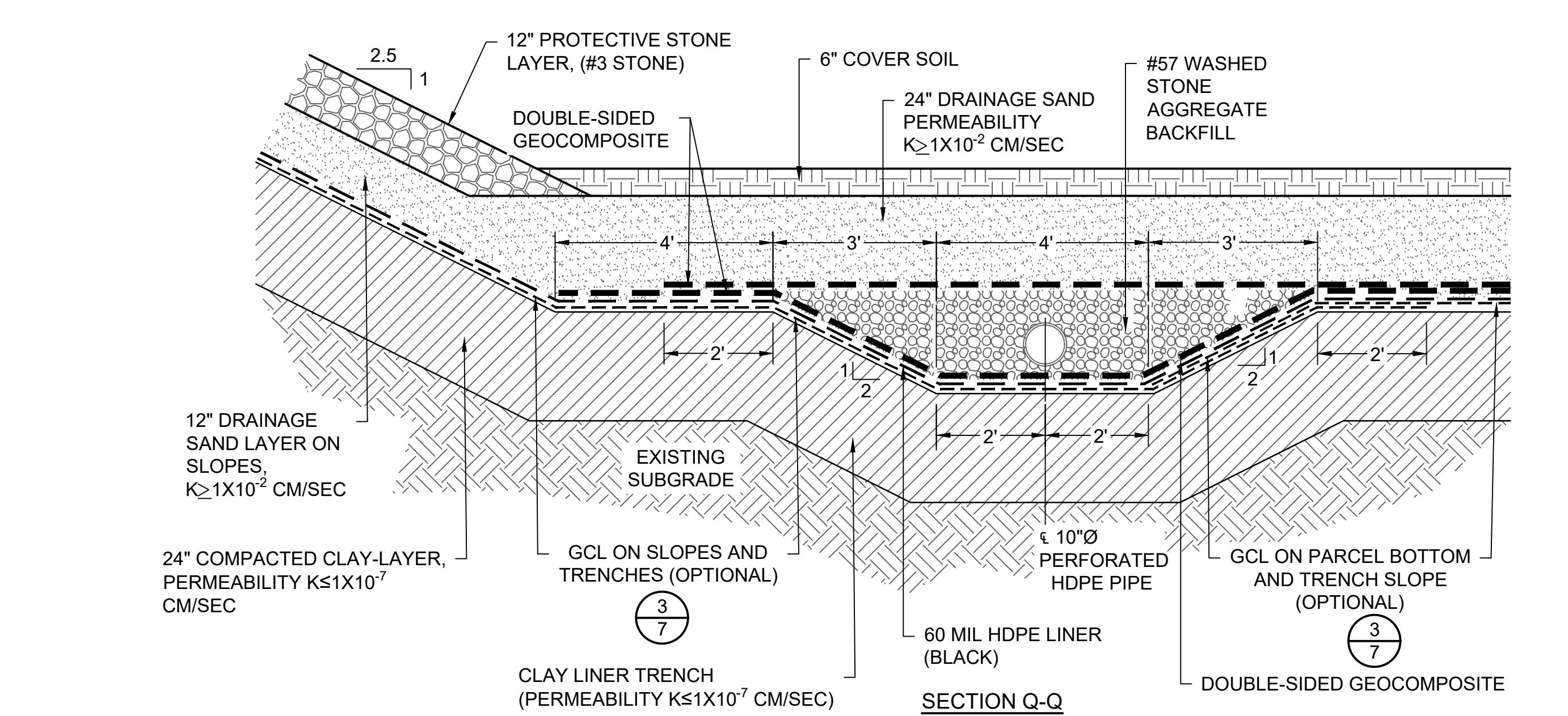
ELEVATION

8
8
DETAIL - LEACHATE COLLECTION PIPE HEADWALL
NOT TO SCALE

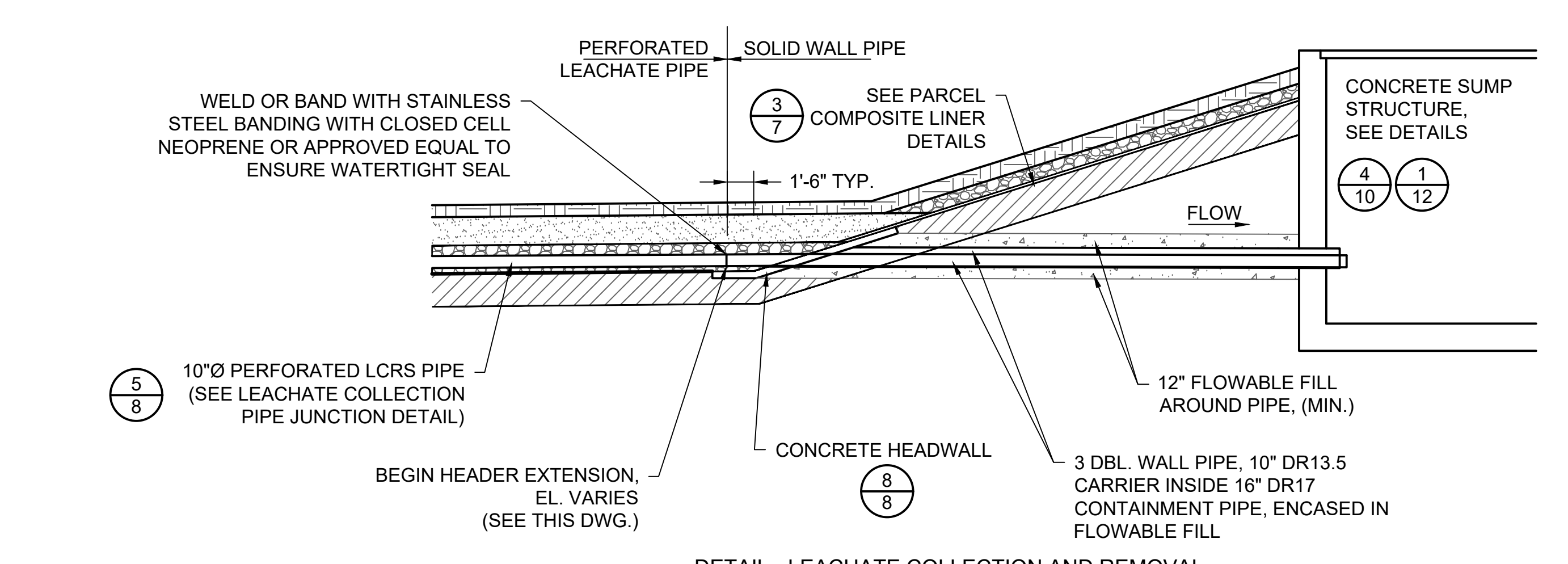
SECTION OR DETAIL NO.
— TARGET DRAWING
REFERENCE KEY



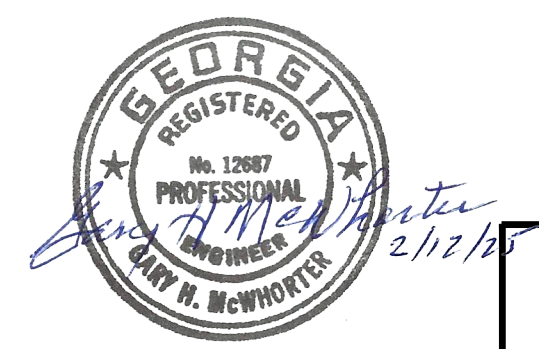
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DETAIL - LEACHATE COLLECTOR TRENCH DOUBLE PIPE
NOT TO SCALE



6
8
DETAIL - LEACHATE COLLECTOR TRENCH SINGLE PIPE
NOT TO SCALE



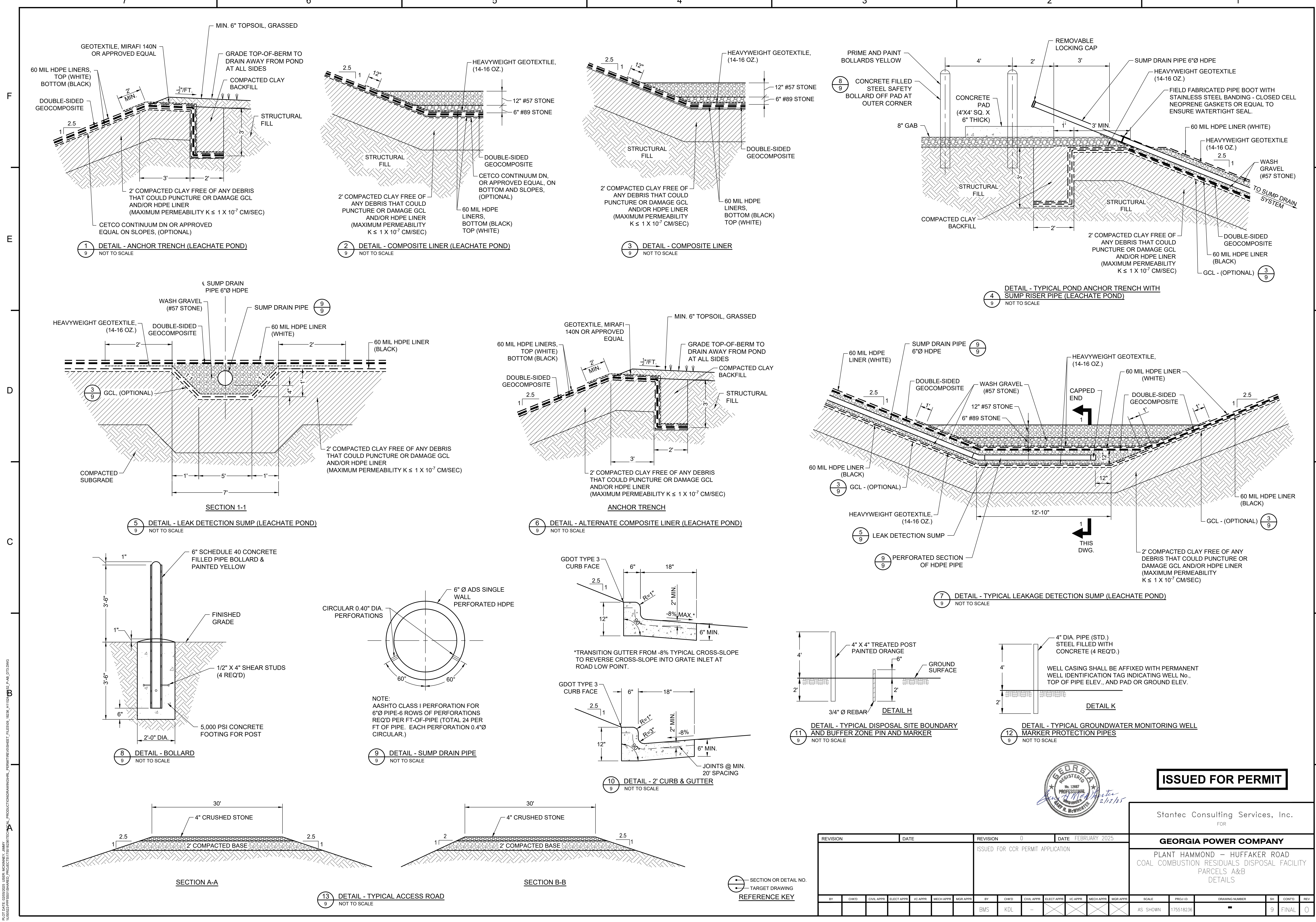
9
8
DETAIL - LEACHATE COLLECTION AND REMOVAL
SYSTEM (LCRS) OUTLET PIPE SECTION
NOT TO SCALE



ISSUED FOR PERMIT

Stantec Consulting Services, Inc.
FOR
GEORGIA POWER COMPANY
PLANT HAMMOND — HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
PARCELS A&B
DETAILS

REVISION	DATE	REVISION	DATE
		0	FEBRUARY 2025
		ISSUED FOR CCR PERMIT APPLICATION	
BY	CHKD	CIVL APPR	ELECT APPR
BY	CHKD	CIVL APPR	ELECT APPR
BMS	KDL		
SCALE	PROJ. I.D.	DRAWING NUMBER	SHT
AS SHOWN	175518236		8
			FINAL



PLOT DATE: 02/03/2025 USER: MCKINNEY, JIMMY PROJECT: 175518236 SHEET: 1 OF 10

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ANSI F: 28x40

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ANSI F: 28x40

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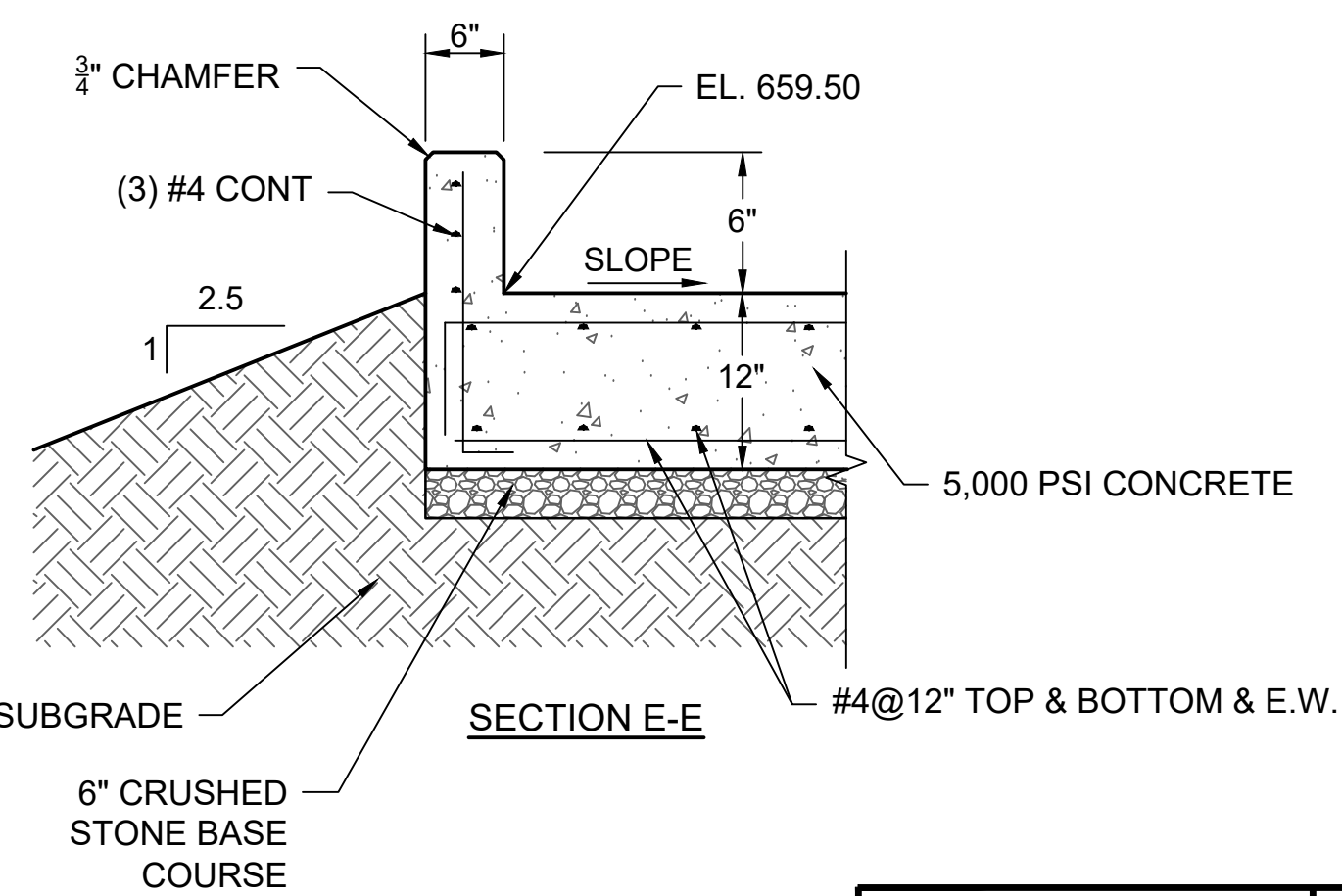
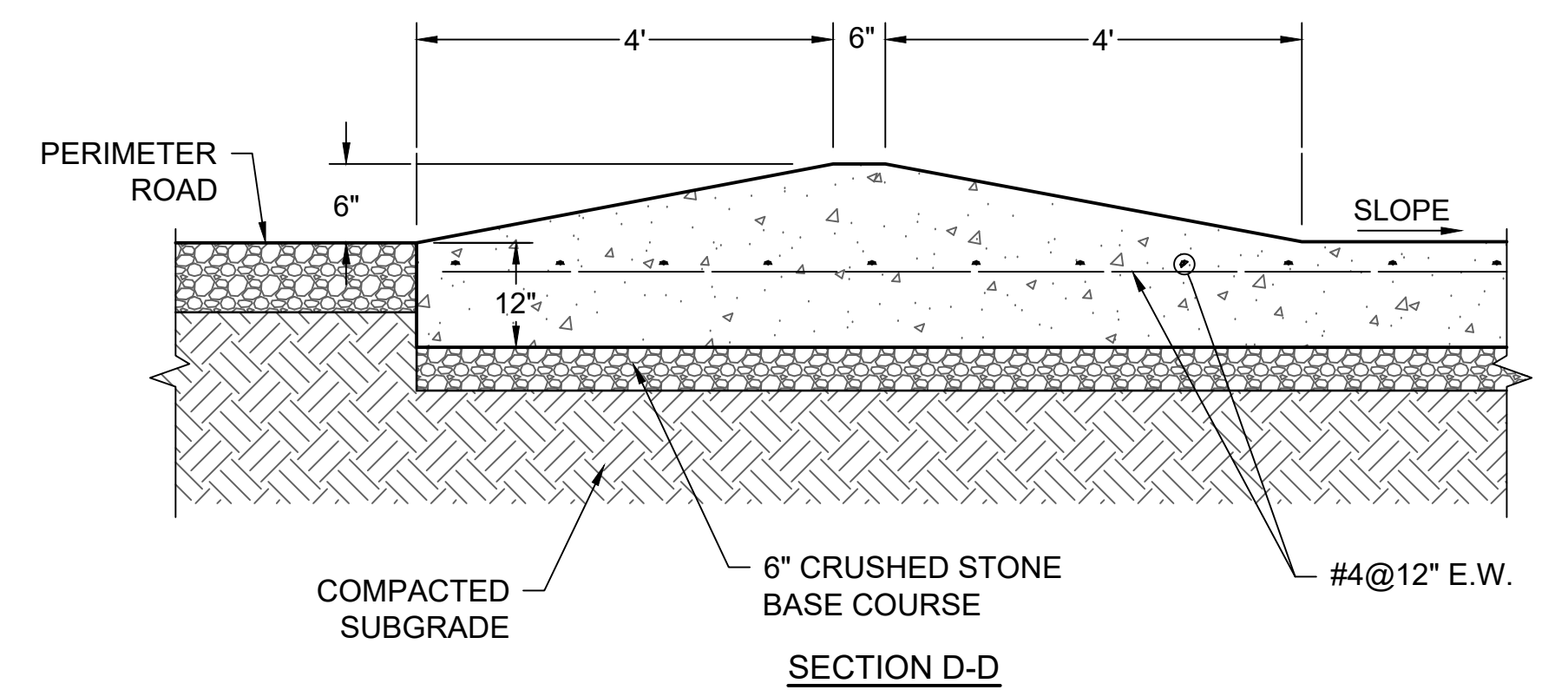
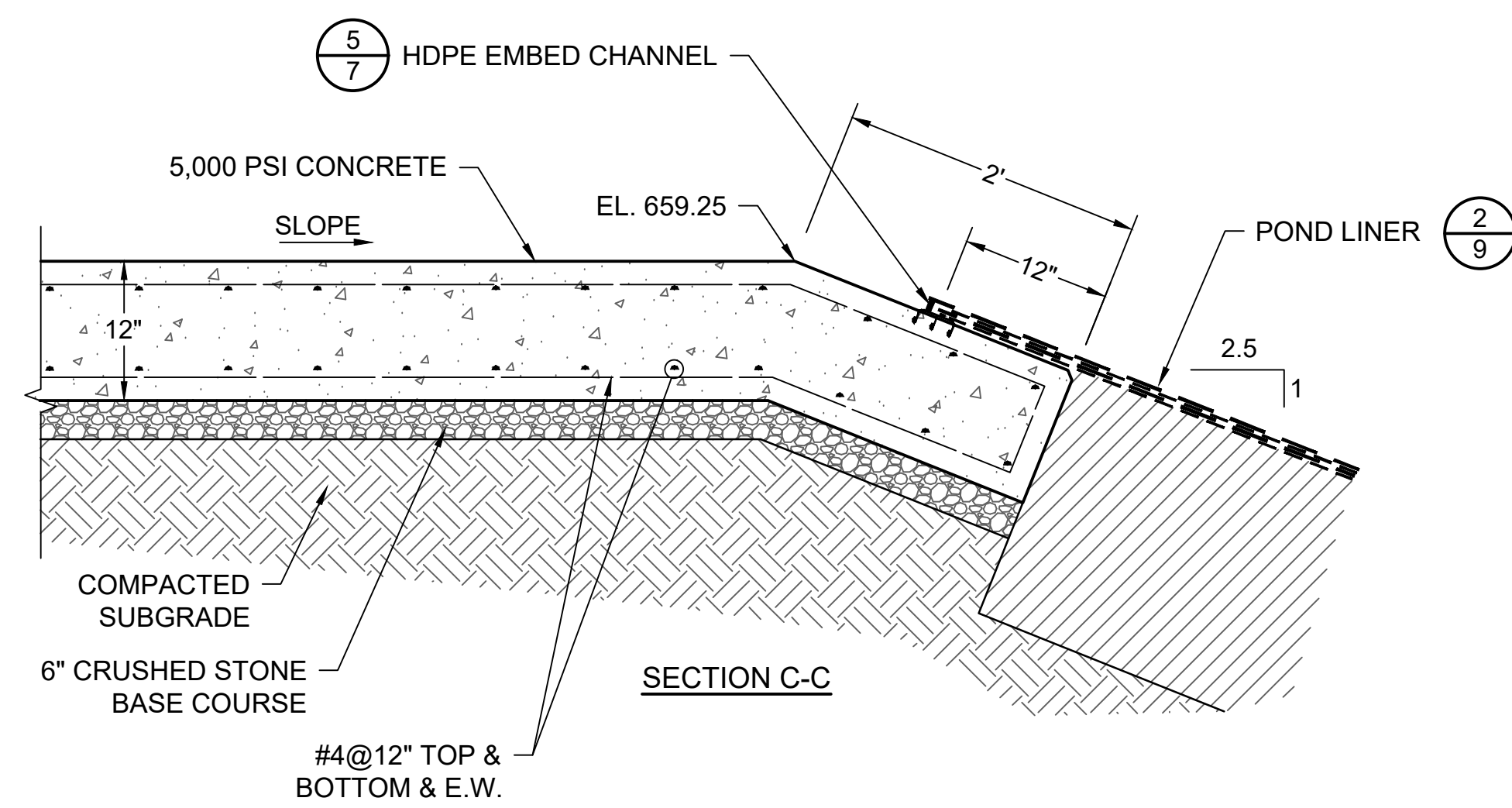
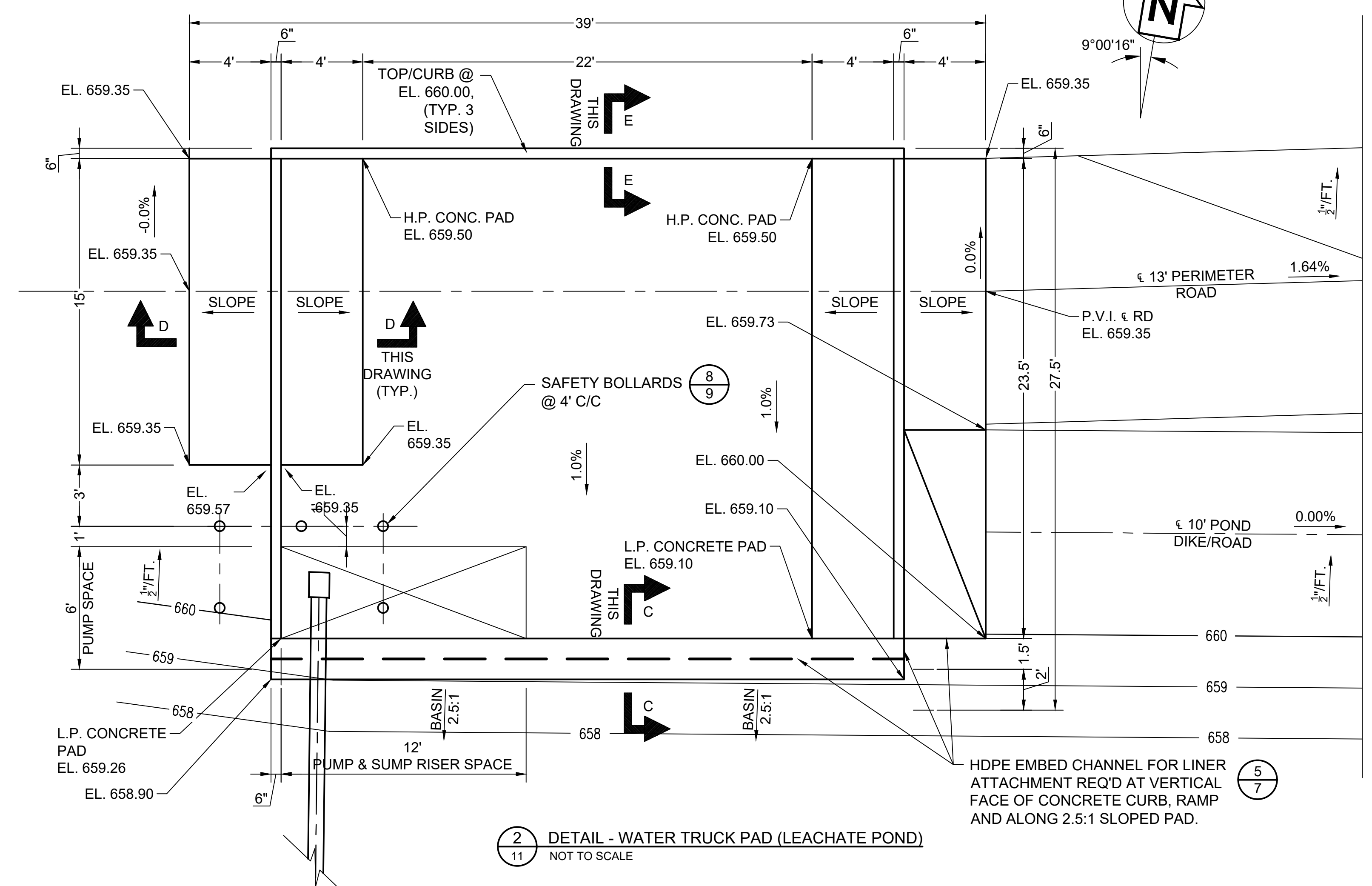
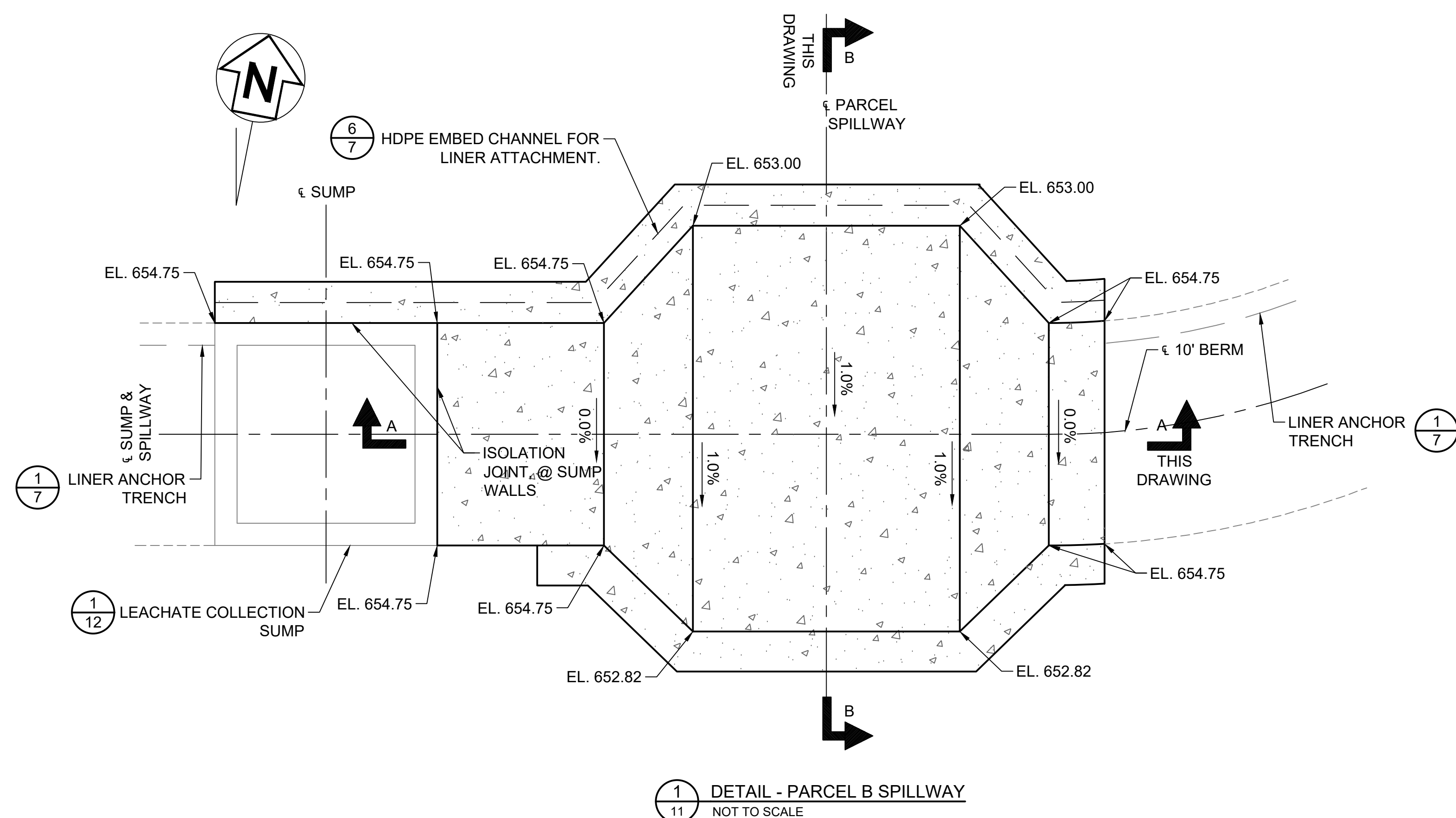
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ANSI F: 28x40

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NOTES:

1. OUTLET CHANNEL FROM SPILLWAY TO SEDIMENTATION BASIN #1 TO BE REGRADED AND LINED WITH RIP RAP. SEE SHEET 10 FOR ENLARGED PLAN.

REFERENCES:

1. FOR A COMPLETE DRAWING LIST SEE SHEET 1.

ISSUED FOR PERMIT

Stantec Consulting Services, Inc.
FOR

PLANT HAMMOND – HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
PARCELS A&B
DETAILS

REVISION		DATE		REVISION 0		DATE FEBRUARY 2025		GEORGIA POWER COMPANY PLANT HAMMOND – HUFFAKER ROAD COAL COMBUSTION RESIDUALS DISPOSAL FACILITY PARCELS A&B DETAILS											
				ISSUED FOR CCR PERMIT APPLICATION															
BY	CHK'D	CIVIL APPR	ELECT APPR	VC APPR	MECH APPR	MGR APPR	BY	CHK'D	CIVIL APPR	ELECT APPR	VC APPR	MECH APPR	MGR APPR	SCALE	PROJ ID	DRAWING NUMBER	SH	CONT'D	REV
							BMS	KDL	—					AS SHOWN	175518236	■	11	FINAL	0

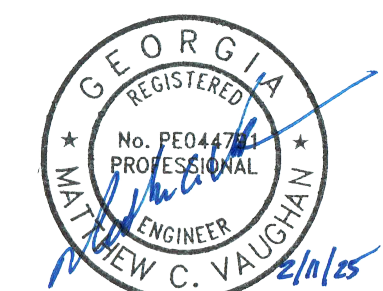
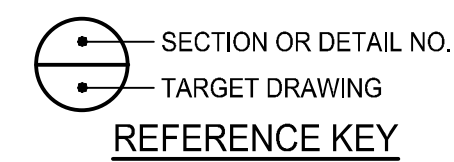
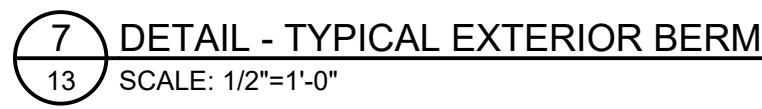
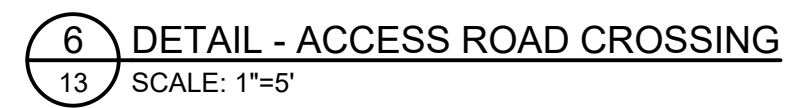
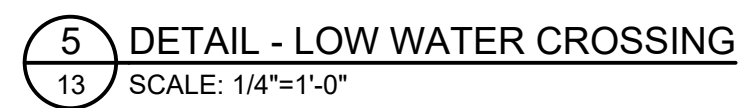
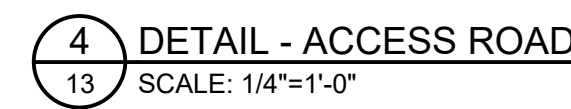
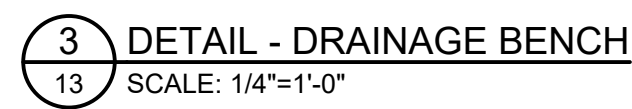




NOTES:

1. THE PERIMETER DITCH (DITCHES 1 AND 2) SHALL BE ARMORED AT THE LOCATIONS SHOWN ON SHEET 3 (STORM WATER PLAN).
2. UNIMAT SHALL CONSIST OF FIBERFUM UNIMAT FABRIC FORMED CONCRETE REVETMENTS, OR APPROVED EQUIVALENT, INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS. LEVELING/BEDDING STONE SHALL BE INSTALLED AS NEEDED BELOW THE UNIMAT AND CONSIST OF MATERIALS/PLACEMENT PROCEDURES IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

1 DETAIL - ARMORED PERIMETER DITCH
13 SCALE: 1/2"=1'-0"



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GEORGIA POWER COMPANY

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COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
PARCELS A&B
DETAILS

REVISION		DATE		REVISION 0		DATE FEBRUARY 2025		GEORGIA POWER COMPANY											
				ISSUED FOR CCR PERMIT APPLICATION				PLANT HAMMOND – HUFFAKER ROAD COAL COMBUSTION RESIDUALS DISPOSAL FACILITY PARCELS A&B DETAILS											
BY	CHKT	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR	MGR APPR	BY	CHKT	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR	MGR APPR	SCALE	PROJ I.D.	DRAWING NUMBER	SH	CONTD	REV
							BMS	KDL	—					AS SHOWN	175518236	—	13	FINAL	0

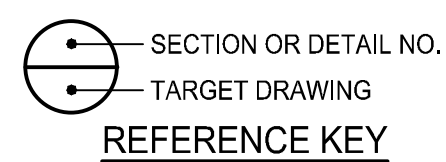


Pipe Diam.	Pipe Type	La	3Do	W	Rip Rap	Thick.	Filter Bedding Stone
12"	BCCMP	12'	3'	13'	N.S.A. #R-4	18"	N.S.A #FS-2
24"	BCCMP	20'	6'	22'	N.S.A. #R-5	27"	N.S.A #FS-2
30"	BCCMP	22'	7.5'	25'	N.S.A. #R-5	27"	N.S.A #FS-2
36"	BCCMP	24'	9'	27"	N.S.A. #R-5	27"	N.S.A #FS-2
42"	BCCMP	26'	10.5'	30'	N.S.A. #R-5	27"	N.S.A #FS-2
48"	BCCMP	28'	12'	32'	N.S.A. #R-6	36"	N.S.A #FS-3
60"	RCP	32'	15'	37'	N.S.A. #R-6	36"	N.S.A #FS-3



	SEDIMENT BASIN 1	CLEAR POOL 1
TOP WIDTH OF BERM	A 8'	13'
EMERGENCY SPILLWAY FLOW DEPTH	B 0.5'	0.5'
STORAGE LEVEL - DIFFERENCE BETWEEN RISER AND EMER. SPILLWAY	C 0.5'	1.0'
TRASH RACK DIAMETER	D 66"	66"
RISER DIAMETER	E 48"	48"
RISER LENGTH (INCLUDES 9" INTO ANTIFLOTATION BLOCK)	F 5'-9"	5'-9"
PRINCIPAL SPILLWAY PIPE DIAMETER	G 36"	36"
CONCRETE ANTIFLOTAION BLOCK	H 84"x 84"x 18"	84"x 84"x 18"
LENGTH OF RISER ANCHORING BARS (REBAR)	I 78"	78"
LENGTH OF PRINCIPAL SPILLWAY PIPE	J 50'	65'
EMERGENCY SPILLWAY BOTTOM WIDTH	K 20'	20'
EMERGENCY SPILLWAY TOP WIDTH	L 29'	32'
ANTISEEP COLLAR	M 72" x 72"	72" x 72"
ELEVATION OF TOP OF BERM, FT MSL	N 650.0 ft	650.0 ft
ELEVATION OF EMERGENCY SPILLWAY CREST, FT MSL	O 648.5 ft	648.0 ft
ELEVATION OF TOP OF RISER, FT MSL	P 648.0 ft	647.0 ft
MAXIMUM SEDIMENT STORAGE ELEV., FT MSL	Q 644.25 ft	643.0 ft
ELEVATION OF PRINCIPAL SPILLWAY AT INLET, FT MSL (BOTTOM POND EL.)	R 643.0 ft	642.0 ft
ELEVATION OF PRINCIPAL SPILLWAY AT OUTLET, FT MSL	S 642.7 ft	641.35 ft
MAXIMUM VOLUME OF BASIN, CUBIC YARDS	T 24,575	2,989
MAXIMUM SEDIMENT STORAGE VOLUME, CUBIC YARDS	U 3,353	259
FREEBOARD	V 1'	1.5'
CLEAN OUT VOLUME, CUBIC YARDS	X 877	86
ELEVATION WHEN CLEANOUT REQUIRED	Y 643.3	642.3

	RISER CENTER		OUTLET DISCHARGE	
	NORTHING	EASTING	NORTHING	EASTING
SEDIMENT BASIN 1	1,564,456.00	1,953,839.00	1,564,396.00	1,953,839.00
CLEAR POOL 1	1,564,221.98	1,953,755.03	1,564,189.86	1,953,811.59



REVISION							DATE							REVISION 0							DATE FEBRUARY 2025																																		
																												ISSUED FOR CCR PERMIT APPLICATION																											
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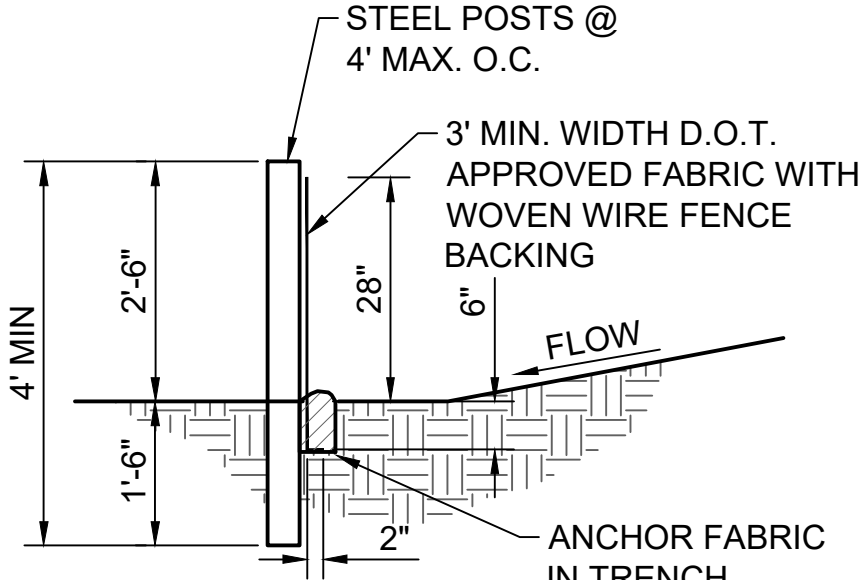
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AS SHOWN	175518236	■	14	FINAL	(

PLT DATE: 2/20/25 USER: JMW/NEV/ JMW
USDAO APPR/SST ISSUED, PROJECT 175518236 TECHNICAL PERMIT REVIEW SHEET FILES 15, 16236, 16194, P-AB, DT-DWG

SILT FENCE NOTES

- ALL SILT FENCE SHOWN ON THE PLANS IS TO BE DOUBLE ROW TYPE "C" BARRIER. CONTRACTOR SHALL MAINTAIN FENCE AT THESE LOCATIONS DURING CONSTRUCTION OF CELLS UNTIL FINAL SURFACE TREATMENTS HAVE BEEN APPLIED AND A SUFFICIENT STAND OF GRASS HAS BEEN ESTABLISHED AS DETERMINED BY THE SITE ENGINEER.
- ADDITIONAL SILT FENCE SHALL BE REQUIRED IN AREAS WHICH ARE CLEARED OR GRADED AND DO NOT HAVE STORMWATER RUNOFF DIVERTED TO SEDIMENT BASINS MEETING THE CRITERIA LISTED IN THE TABLES. THE DRAINAGE AREA SHALL NOT EXCEED 1/4 ACRE FOR EVERY 100 FEET OF SILT FENCE.

CRITERIA FOR SILT FENCE PLACEMENT	
LAND SLOPE (PERCENT)	MAXIMUM LENGTH OF SLOPE ABOVE FENCE (FEET)
<2	100
2 TO 5	75
5 TO 10	50
10 TO 20	25
>20	15

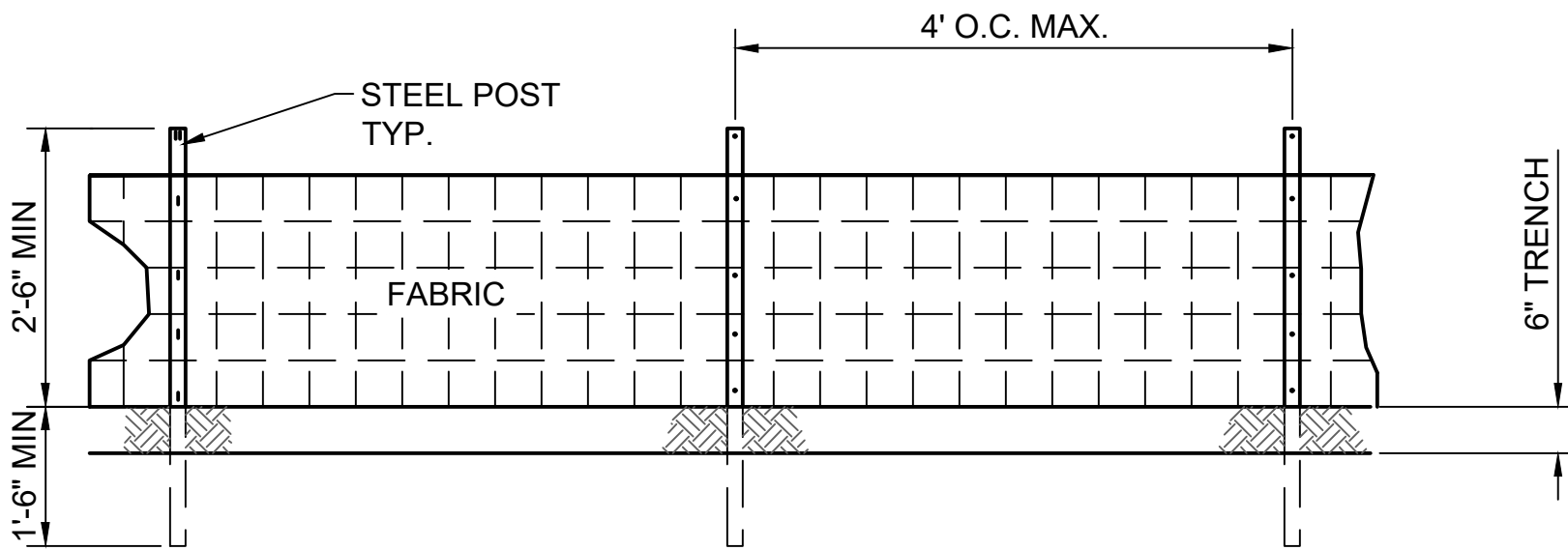


NOTE:
THE SILT FENCE SHALL BE INSPECTED PERIODICALLY AND PROMPTLY REPAIRED OR REPLACED AS REQUIRED. FILTER FABRIC SHALL BE REPLACED WHENEVER IT HAS DETEIORATED TO SUCH AN EXTENT THAT IT REDUCES THE EFFECTIVENESS OF THE FABRIC.

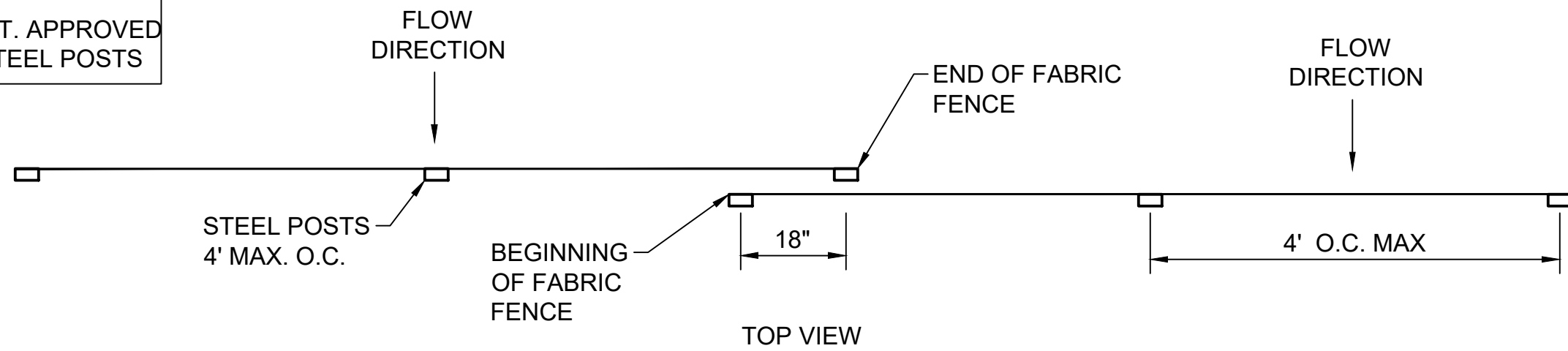
POSTS AND WOVEN WIRE SUPPORT:

POSTS SHALL BE STEEL AND HAVE A MINIMUM LENGTH OF 4 FEET. POSTS SHALL BE "U", "T", OR "C" SHAPED, OR WOOD FOR TYPE A, AND HAVE A MINIMUM WEIGHT OF 1.3 POUNDS PER FOOT. THE POSTS SHALL HAVE PROJECTIONS FOR FASTENING THE WOVEN WIRE AND FILTER FABRIC. MAXIMUM POSTS SPACING SHALL BE 6 FEET FOR TYPE A OR 4 FEET FOR TYPE C. A WOVEN WIRE SUPPORT FENCE SHALL BE USED WITH TYPE "C" FENCE. THE WIRE FENCE FABRIC SHALL BE AT LEAST 36 INCHES HIGH AND SHALL HAVE AT LEAST 6 HORIZONTAL WIRES. VERTICAL WIRES SHALL HAVE A MAXIMUM SPACING OF 12 INCHES. THE TOP AND BOTTOM WIRES SHALL BE AT LEAST 10 GAUGE AND ALL OTHER WIRES SHALL BE AT LEAST 12 1/2 GAUGE.

FILTER FABRICS FOR TYPE "C" FENCES:
APPROVED SILT FENCE FABRICS ARE LISTED IN THE GEORGIA DEPARTMENT OF TRANSPORTATION QUALIFIED PRODUCTS LIST #36 (QPL-36).

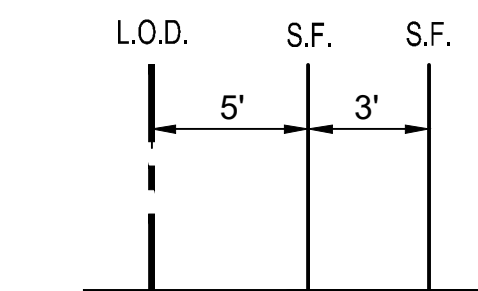


NOTE:
USE 36" G.D.O.T. APPROVED FABRIC USE STEEL POSTS



INSTALLATION

- INSTALL WHERE SHEET FLOW CONDITIONS EXIST.
- WHERE NO SEDIMENT TRAP/STORMWATER DISPOSAL SYSTEM IS PRESENT, MAXIMUM SLOPE SHALL NOT EXCEED THOSE IN THE TABLE. ALSO, THE DRAINAGE AREA IS NOT TO EXCEED 1/4 ACRE PER 100 FEET OF SILT FENCE.
- APPROVED SILT FENCE FABRICS ARE LISTED IN THE GEORGIA DEPARTMENT OF TRANSPORTATION QUALIFIED PRODUCTS LIST #36 (QPL-36). VERIFY FABRIC BY INSPECTION OF FABRIC NAME PRINTED EVERY 100 FEET OF SILT FENCE.
- INSTALL ACCORDING TO APPROVED PLAN, AS SHOWN.
- INSTALL ALONG CONTOURS WITH ENDS POINTING UPHILL.
- DO NOT PLACE IN WATERWAYS OR AREAS OF CONCENTRATED FLOW.
- START POST INSTALLATION AT THE CENTER OF THE LOWEST POINT WITH REMAINING POSTS SPACED ACCORDING TO FIGURE.
- 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. AND THAT SUPPORT POST SPACING DOES NOT EXCEED 4 FT. FOR TYPE C & 6 FOR TYPE A.
- USE MINIMUM 18" OVERLAP AT FABRIC ENDS.
- USE A DOUBLE ROW OF TYPE "C" SILT FENCE ALONG STREAM BUFFERS AND OTHER SENSITIVE AREAS.
- A TRENCH 6 INCHES IN DEPTH SHALL BE EXCAVATED WITH EQUIPMENT SUCH AS A TRENCHING MACHINE OR MOTOR GRADER; OR, IF EQUIPMENT CANNOT BE OPERATED ON THE SITE, BY HAND.
- POST INSTALLATION SHALL START AT THE CENTER OF THE LOW POINT (IF APPLICABLE) WITH THE REMAINING POSTS SPACED A MAXIMUM OF 4 OR 6 FEET APART. POSTS SHALL BE INSTALLED WITH AT LEAST 18 INCHES IN THE GROUND. WHERE AN 18 INCH DEPTH IS IMPOSSIBLE TO ACHIEVE, THE POSTS SHALL BE ADEQUATELY SECURED TO PREVENT OVERTURNING OF THE FENCE DUE TO SEDIMENT LOADING.
- FILTER FABRIC SHALL BE ATTACHED TO THE POST BY WIRE, CORD, POCKETS, STAPLES, NAILS, OR OTHER ACCEPTABLE MEANS. THE FILTER FABRIC SHALL BE INSTALLED IN SUCH A MANNER THAT 8 INCHES OF FABRIC IS LEFT AT THE BOTTOM TO BE BURIED AND A MINIMUM OVERLAP OF 18 INCHES IS PROVIDED AT ALL SPLICE JOINTS. THE FABRIC SHALL BE INSTALLED IN THE TRENCH SUCH THAT 4 TO 6 INCHES OF FABRIC IS AGAINST THE SIDE OF THE TRENCH WITH 2 TO 4 INCHES OF FABRIC ACROSS THE BOTTOM IN THE UPSTREAM DIRECTION.



DEFINITION

A TEMPORARY GRADE CONTROL STRUCTURE, OR DAM CONSTRUCTED ACROSS A SWALE, DRAINAGE DITCH, OR AREA OF CONCENTRATED FLOW.

CONDITIONS

THIS PRACTICE IS APPLICABLE FOR USE IN SMALL OPEN CHANNELS AND IS NOT TO BE USED IN A LIVE STREAM. SPECIFIC APPLICATIONS INCLUDE:

- TEMPORARY OR PERMANENT SWALES OR DITCHES IN NEED OF PROTECTION DURING ESTABLISHMENT OF GRASS LININGS.
- TEMPORARY OR PERMANENT SWALES OR DITCHES WHICH, DUE TO THEIR SHORT LENGTH OF SERVICE OR OTHER REASONS, CANNOT RECEIVE A PERMANENT NON-ERODIBLE LINING FOR AN EXTENDED PERIOD OF TIME.
- OTHER LOCATIONS WHERE SMALL LOCALIZED EROSION AND RESULTING SEDIMENTATION PROBLEMS EXIST.

SPECIFICATIONS:

THE FOLLOWING TYPES OF CHECK DAMS ARE USED FOR THIS STANDARD:

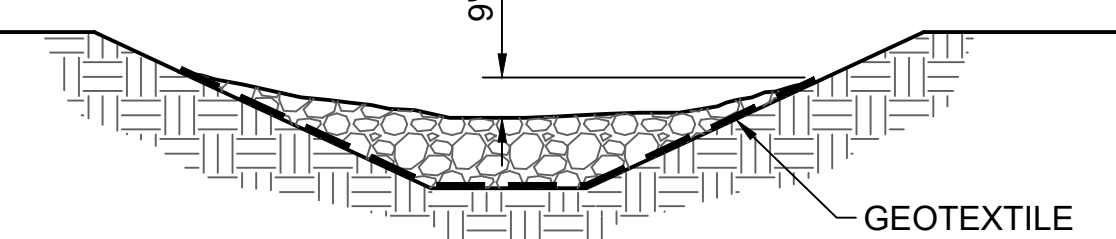
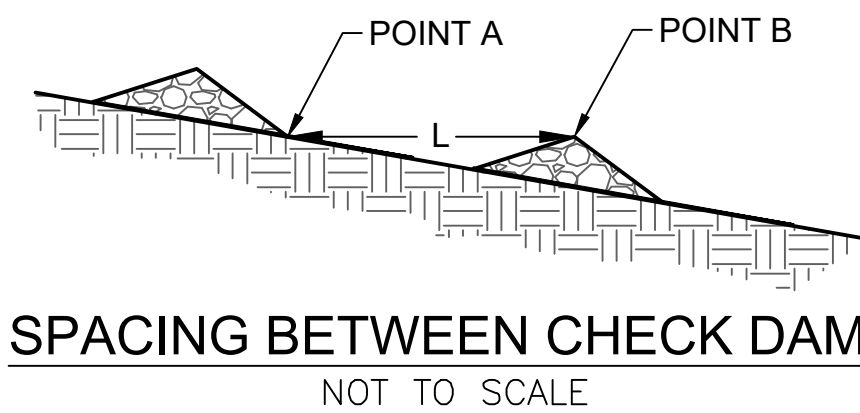
STONE CHECK DAM

STONE CHECK DAMS SHOULD BE CONSTRUCTED OF GRADED SIZE 2-10 INCH STONE. MECHANICAL OR HAND PLACEMENT SHALL BE REQUIRED TO ENSURE COMPLETE COVERAGE OF THE ENTIRE WIDTH OF DITCH OR SWALE AND THAT CENTER OF THE DAM IS LOWER THAN THE EDGES. THE CENTER OF THE CHECK DAM MUST BE AT LEAST 9 INCHES LOWER THAN THE OUTER EDGES.

A = THE TOE OF THE UPSTREAM CHECK DAM.

B = TOP OF THE DOWNSTREAM CHECK DAM.

L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION.



2
15
DETAIL - CHECK DAM - STONE CHECK DAM
NOT TO SCALE

SPACING:

TWO OR MORE CHECK DAMS IN A SERIES SHALL BE USED FOR DRAINAGE AREAS GREATER THAN ONE (1) ACRE. MAXIMUM SPACING BETWEEN DAMS SHOULD BE SUCH THAT THE TOE OF THE UPSTREAM DAM IS AT THE SAME ELEVATION AS THE TOP OF THE DOWNSTREAM DAM.

GEOTEXTILES:

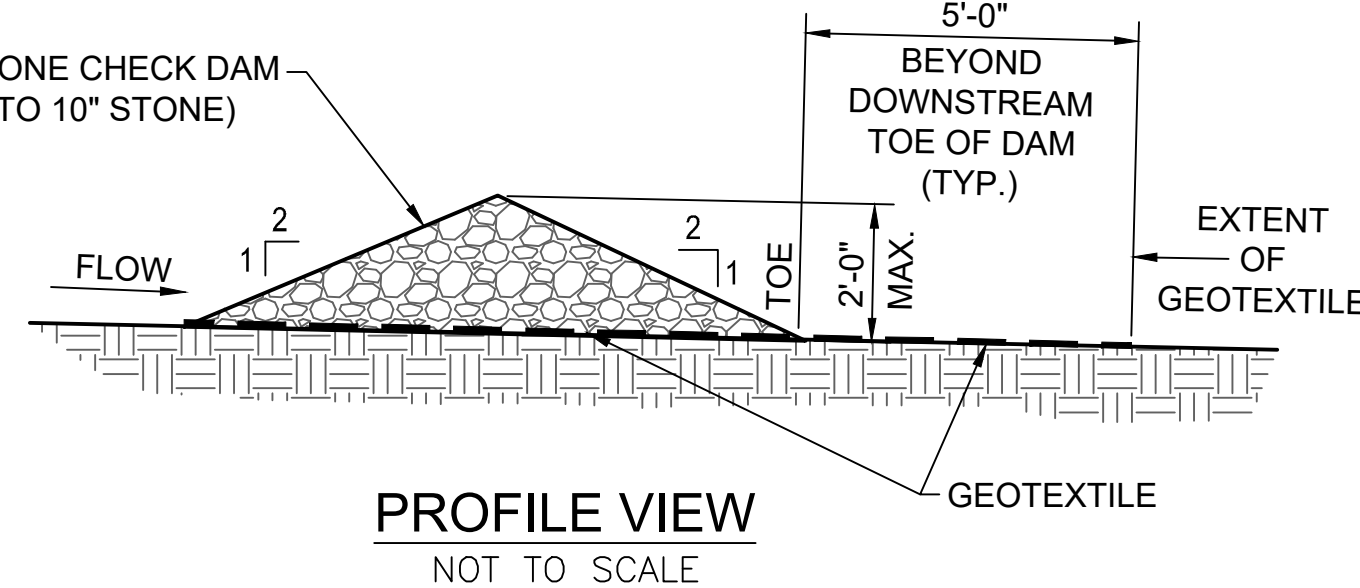
A GEOTEXTILE SHOULD BE USED AS A SEPARATOR BETWEEN THE GRADED STONE AND THE SOIL BASE AND ABUTMENTS. THE GEOTEXTILE WILL PREVENT THE MIGRATION OF SOIL PARTICLES FROM THE SUBGRADE INTO THE GRADED STONE. THE GEOTEXTILE SHALL BE SELECTED/SPECIFIED IN ACCORDANCE WITH AASHTO M288-96 SECTION 7.3, *SEPARATION REQUIREMENTS*, TABLE 3. GEOTEXTILES SHALL BE "SET" INTO THE SUBGRADE SOILS. THE GEOTEXTILE SHALL BE PLACED IMMEDIATELY ADJACENT TO THE SUBGRADE WITHOUT ANY VOIDS AND EXTEND FIVE FEET BEYOND THE DOWNSTREAM TOE OF THE DAM TO PREVENT SCOUR.

MAINTENANCE:

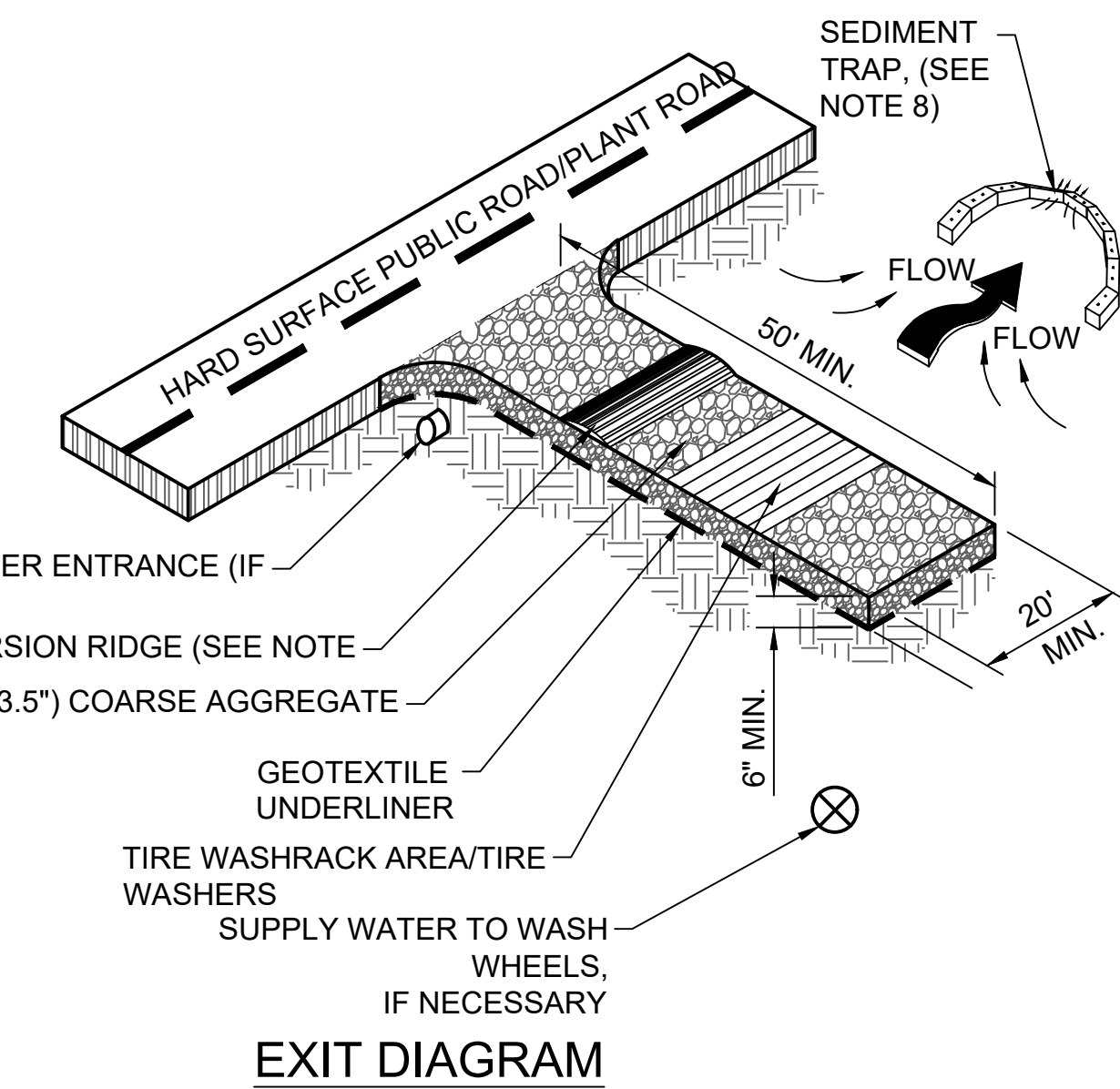
PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED. SEDIMENT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF ONE-HALF THE ORIGINAL DAM HEIGHT OR BEFORE. IF THE AREA IS TO BE MOWED, CHECK DAMS SHALL BE REMOVED ONCE FINAL STABILIZATION HAS OCCURRED. OTHERWISE, CHECK DAMS MAY REMAIN IN PLACE PERMANENTLY. AFTER REMOVAL, THE AREA BENEATH THE DAM SHALL BE SEEDED AND MULCHED IMMEDIATELY.

NOTES:

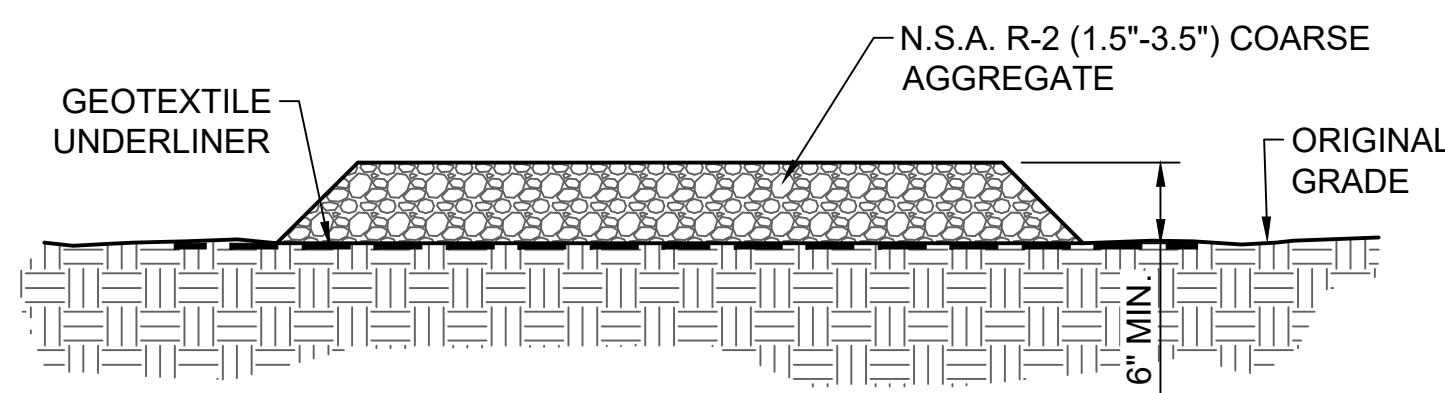
- CHECK DAMS ARE TO BE USED ONLY IN SMALL OPEN CHANNELS (THEY ARE NOT TO BE USED IN LIVE STREAMS).
- THE DRAINAGE AREA FOR STONE CHECK DAMS SHALL NOT EXCEED TWO ACRES.
- THE CENTER OF THE CHECK DAM MUST BE AT LEAST 9 INCHES LOWER THAN THE OUTER EDGES.
- THE DAM HEIGHT SHOULD BE A MAXIMUM OF 2 FEET FROM CENTER TO RIM EDGE.
- THE SIDE SLOPES OF THE CHECK DAM SHALL NOT EXCEED A 2:1 SLOPE.
- 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).



- 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:
- AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
 - REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
 - AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
 - GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
 - PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
 - A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
 - INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
 - 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).
 - 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.



5
15
DETAIL - CRUSHED STONE CONSTRUCTION EXIT
NOT TO SCALE

REFERENCES:

- MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, LATEST EDITION.
- FOR A COMPLETE DRAWING LIST SEE SHEET 1.



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PARCELS A&B
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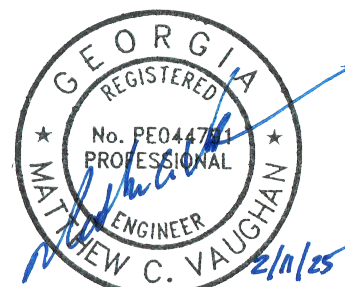
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BY	CHK'D	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR
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USER: JVAUGHAN
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- MAPPING SOURCE NOTES:
1. TOPOGRAPHIC AND PLANIMETRIC SURVEY INFORMATION FOR THE PLANS WERE OBTAINED FROM SURVEYS PERFORMED BY SOUTHERN COMPANY SERVICES, INC. DATED MARCH 2008 AND JANUARY 2016, AND CONTOURS OBTAINED FROM DIGITAL TERRAIN MODELS OF AERIAL LIDAR SURVEYS DATED NOVEMBER 2019 AND FEBRUARY 2022, SUPPLEMENTED WITH AERIAL LIDAR SURVEYS DATED JANUARY 2021, APRIL 2022, AND AUGUST 2022.
 2. ALL COORDINATES ARE BASED ON NORTH AMERICAN DATUM 83 (NAD 83), GEORGIA STATE PLANE, WEST ZONE. ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88).

LEGEND	
	EXISTING INDEX CONTOUR
	EXISTING INTERMEDIATE CONTOUR
	RAILROAD
	OVERHEAD ELECTRIC LINE
	FIBER OPTIC LINE
	CHAIN LINK FENCE
	STORM SEWER PIPE/CULVERT
	TREE LINE
	EDGE OF WATER
	WETLANDS BUFFER
	STREAM BUFFER
	POWER POLE
	SURVEY CONTROL BENCHMARK
	PROPERTY LINE
	50' OR 200' BUFFER
	SITE BOUNDARY
	WETLANDS
	TELEPHONE POST



ISSUED FOR PERMIT

Stantec Consulting Services, Inc.
FOR

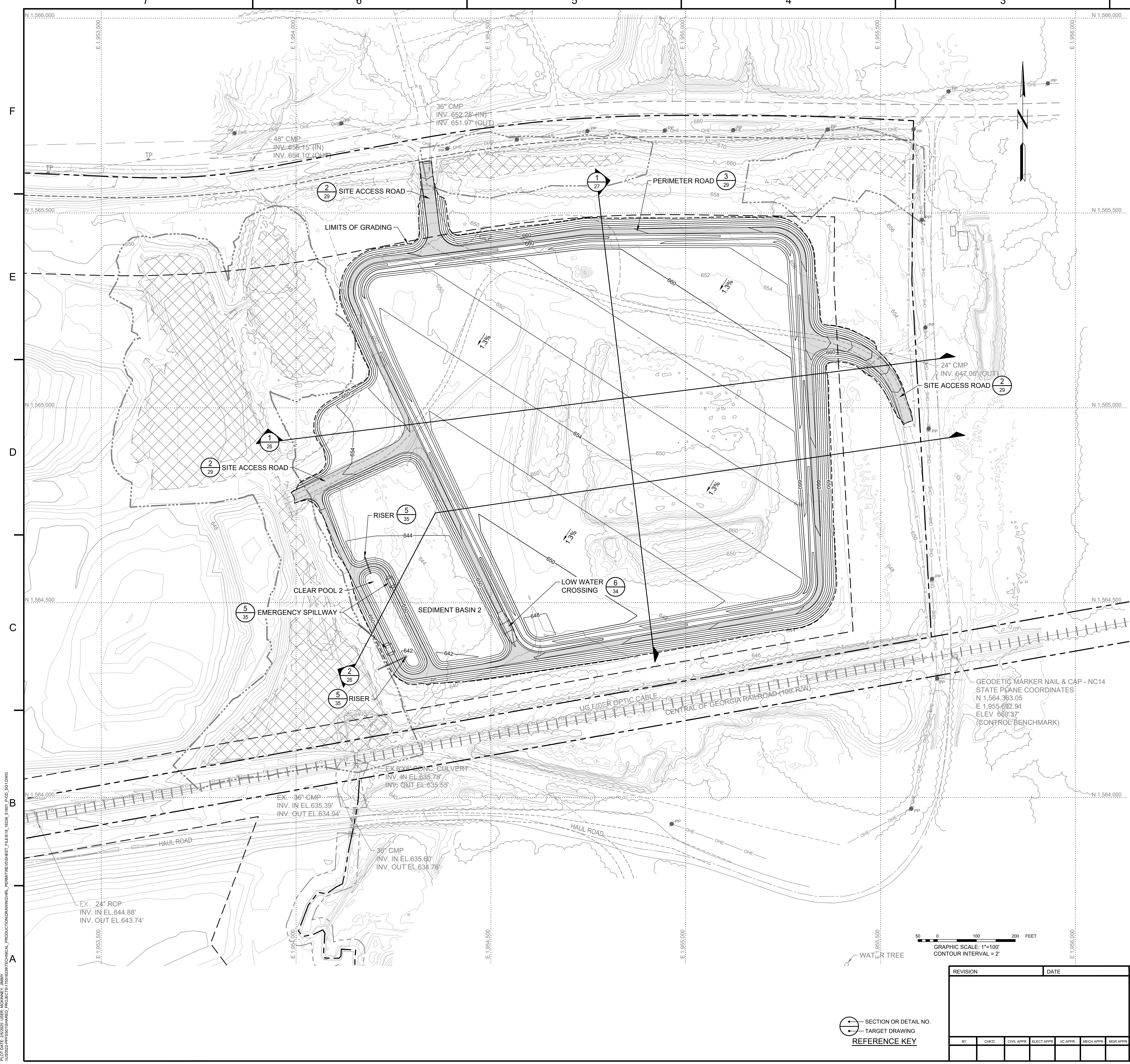
GEORGIA POWER COMPANY

PLANT HAMMOND — HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
PARCELS C&D
EXISTING CONDITIONS PLANS

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LEGEND	
	PROPOSED INDEX CONTOUR
	PROPOSED INTERMEDIATE CONTOUR
	EXISTING INDEX CONTOUR
	EXISTING INTERMEDIATE CONTOUR
	RAILROAD
	OVERHEAD ELECTRIC LINE
	FIBER OPTIC LINE
	CHAIN LINK FENCE
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	STREAM BUFFER
	POWER POLE
	SURVEY CONTROL BENCHMARK
	PROPERTY LINE
	50' OR 200' BUFFER
	SITE BOUNDARY
	WETLANDS
	PROPOSED PERIMETER & ACCESS ROADS
	TELEPHONE POST

NOTE:
ALL EARTHEN STRUCTURES ARE ENGINEERED TO WITHSTAND A MAXIMUM HORIZONTAL ACCELERATION OF 0.24G.



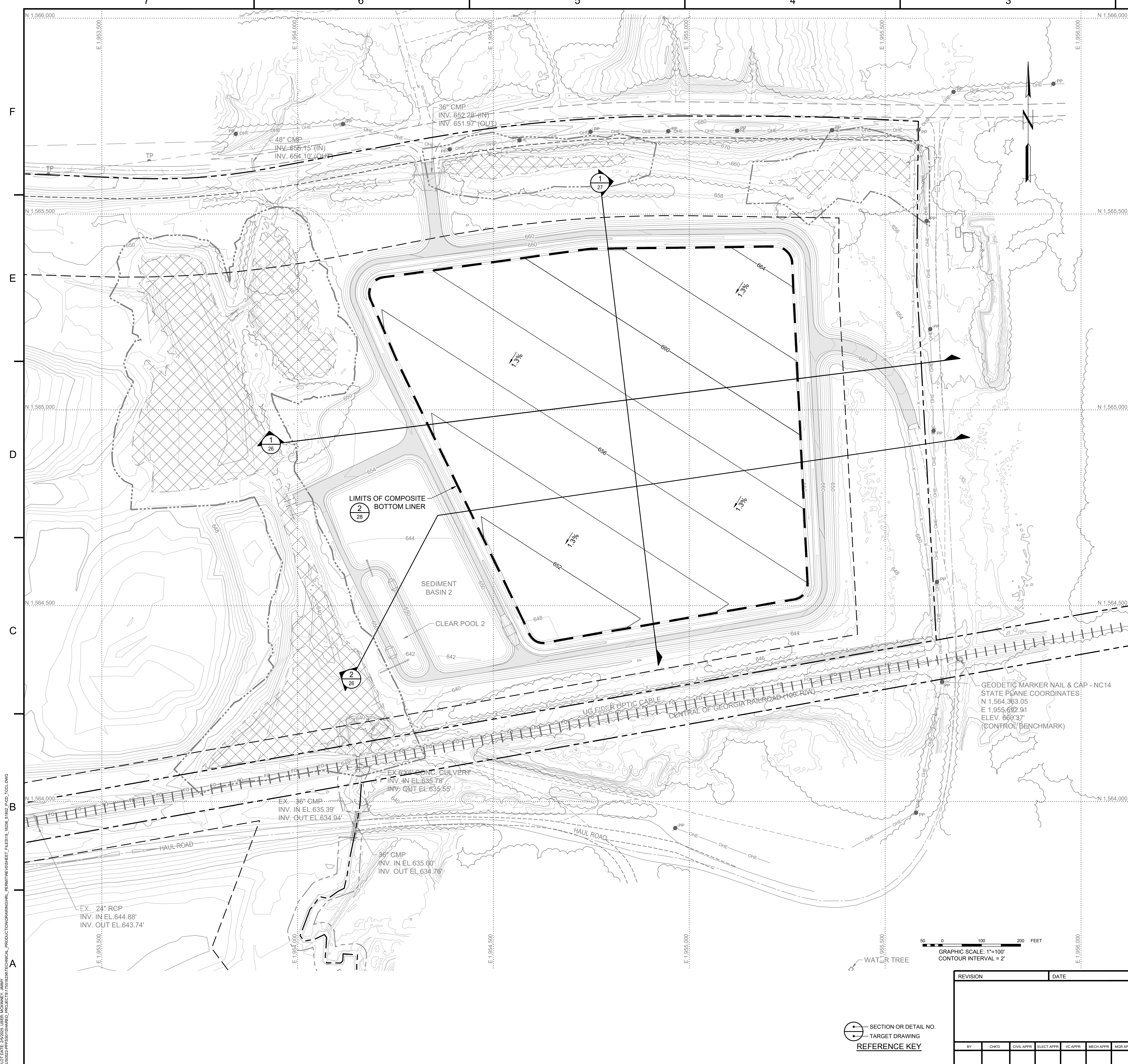
ISSUED FOR PERMIT

Stantec Consulting Services, Inc. FOR	
GEORGIA POWER COMPANY	
PLANT HAMMOND — HUFFAKER ROAD COAL COMBUSTION RESIDUALS DISPOSAL FACILITY PARCELS C&D SUBGRADE PLAN	
SCALE	PROJ. I.D.
AS SHOWN	175518236
DRAWING NUMBER	18
SH	CONTO
REV	0

REVISION	DATE	REVISION	DATE
		0	FEBRUARY 2025
		ISSUED FOR CCR PERMIT APPLICATION	
BY	CHKD	CIVIL APPR	ELECT APPR
JUM	KDL	-	-
		IC APPR	MECH APPR
		-	-
		MGR APPR	
		-	

SECTION OR DETAIL NO.
TARGET DRAWING
REFERENCE KEY

GRAPHIC SCALE: 1"=100'
CONTOUR INTERVAL = 2'




MAPPING SOURCE NOTES:

1. TOPOGRAPHIC AND PLANIMETRIC SURVEY INFORMATION FOR THE PLANS WERE OBTAINED FROM SURVEYS PERFORMED BY SOUTHERN COMPANY SERVICES, INC. DATED MARCH 2008 AND JANUARY 2016, AND CONTOURS OBTAINED FROM DIGITAL TERRAIN MODELS OF AERIAL LIDAR SURVEYS DATED NOVEMBER 2018 AND FEBRUARY 2022, SUPPLEMENTED WITH AERIAL LIDAR SURVEYS DATED JANUARY 2021, APRIL 2022, AND AUGUST 2022.
2. ALL COORDINATES ARE BASED ON NORTH AMERICAN DATUM 83 (NAD 83), GEORGIA STATE PLANE, WEST ZONE. ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88).

LEGEND	
	PROPOSED INDEX CONTOUR
	PROPOSED INTERMEDIATE CONTOUR
	EXISTING INDEX CONTOUR
	EXISTING INTERMEDIATE CONTOUR
	RAILROAD
	OVERHEAD ELECTRIC LINE
	FIBER OPTIC LINE
	CHAIN LINK FENCE
	STORM SEWER PIPE/CULVERT
	TREE LINE
	EDGE OF WATER
	WETLANDS BUFFER
	STREAM BUFFER
	POWER POLE
	SURVEY CONTROL BENCHMARK
	PROPERTY LINE
	50' OR 200' BUFFER
	SITE BOUNDARY
	WETLANDS
	PROPOSED PERIMETER & ACCESS ROADS
	TELEPHONE POST
	LIMITS OF COMPOSITE BOTTOM LINER

— GEODETIC MARKER NAIL & CAP - NC14
STATE PLANE COORDINATES:
N 1,564,363.05
E 1,955,682.91
ELEV. 660.37'
(CONTROL BENCHMARK)



ISSUED FOR PERMIT

Stantec Consulting Services, Inc.
FOR

GEORGIA POWER COMPANY

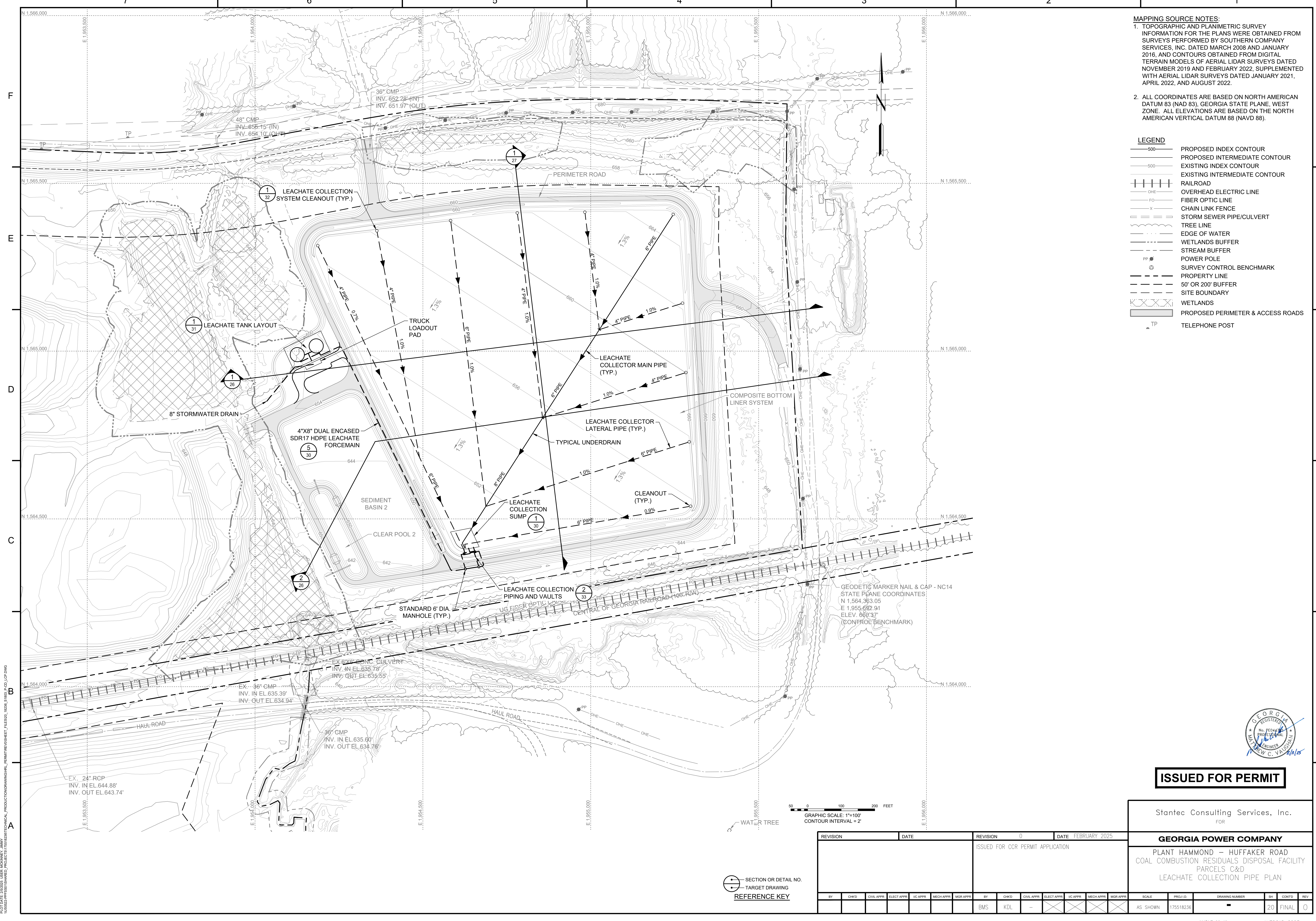
PLANT HAMMOND - HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
PARCELS C&D
TOP OF COMPACTED CLAY LAYER PLAN

REVISION							DATE							0							DATE							FEBRUARY 2025																											
																												ISSUED FOR CCR PERMIT APPLICATION																											
BY							CHKD							CIVIL APPR							ELECT APPR							JC APPR							MECH APPR							MSR APPR													
BMS							KDL							—							<input checked="" type="checkbox"/>							<input checked="" type="checkbox"/>							<input checked="" type="checkbox"/>							<input checked="" type="checkbox"/>													

SCALE	PROJ. I.D.	DRAWING NUMBER	SH	CONTD
AS SHOWN	175518236	—	19	FINAL

ANSI F: 28x40 AUTOCAD 2023

\\032522\PP\5501\ISSUED_PROJECTS\175518236\TECHNICAL_PRODUCTION\DRAWINGS\REL_PERMITS\DWG\175518236_10236_51903_PCD_LCP.DWG
PLOT DATE: 2/25/2025 USER: KCHANEY JMW
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MAPPING SOURCE NOTES:
1. TOPOGRAPHIC AND PLANIMETRIC SURVEY INFORMATION FOR THE PLANS WERE OBTAINED FROM SURVEYS PERFORMED BY SOUTHERN COMPANY SERVICES, INC. DATED MARCH 2008 AND JANUARY 2016, AND CONTOURS OBTAINED FROM DIGITAL TERRAIN MODELS OF AERIAL LIDAR SURVEYS DATED NOVEMBER 2019 AND FEBRUARY 2022, SUPPLEMENTED WITH AERIAL LIDAR SURVEYS DATED JANUARY 2021, APRIL 2022, AND AUGUST 2022.
2. ALL COORDINATES ARE BASED ON NORTH AMERICAN DATUM 83 (NAD 83), GEORGIA STATE PLANE, WEST ZONE. ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88).

LEGEND	
	PROPOSED INDEX CONTOUR
	PROPOSED INTERMEDIATE CONTOUR
	EXISTING INDEX CONTOUR
	EXISTING INTERMEDIATE CONTOUR
	RAILROAD
	OVERHEAD ELECTRIC LINE
	FIBER OPTIC LINE
	CHAIN LINK FENCE
	STORM SEWER PIPE/CULVERT
	TREE LINE
	EDGE OF WATER
	WETLANDS BUFFER
	STREAM BUFFER
	POWER POLE
	SURVEY CONTROL BENCHMARK
	PROPERTY LINE
	50' OR 200' BUFFER
	SITE BOUNDARY
	WETLANDS
	PROPOSED PERIMETER & ACCESS ROADS
	TELEPHONE POST

GEODETIC MARKER NAIL & CAP - NC14
STATE PLANE COORDINATES:
N 1,564,363.05
E 1,955,682.91
ELEV. 660.37'
(CONTROL BENCHMARK)



ISSUED FOR PERMIT

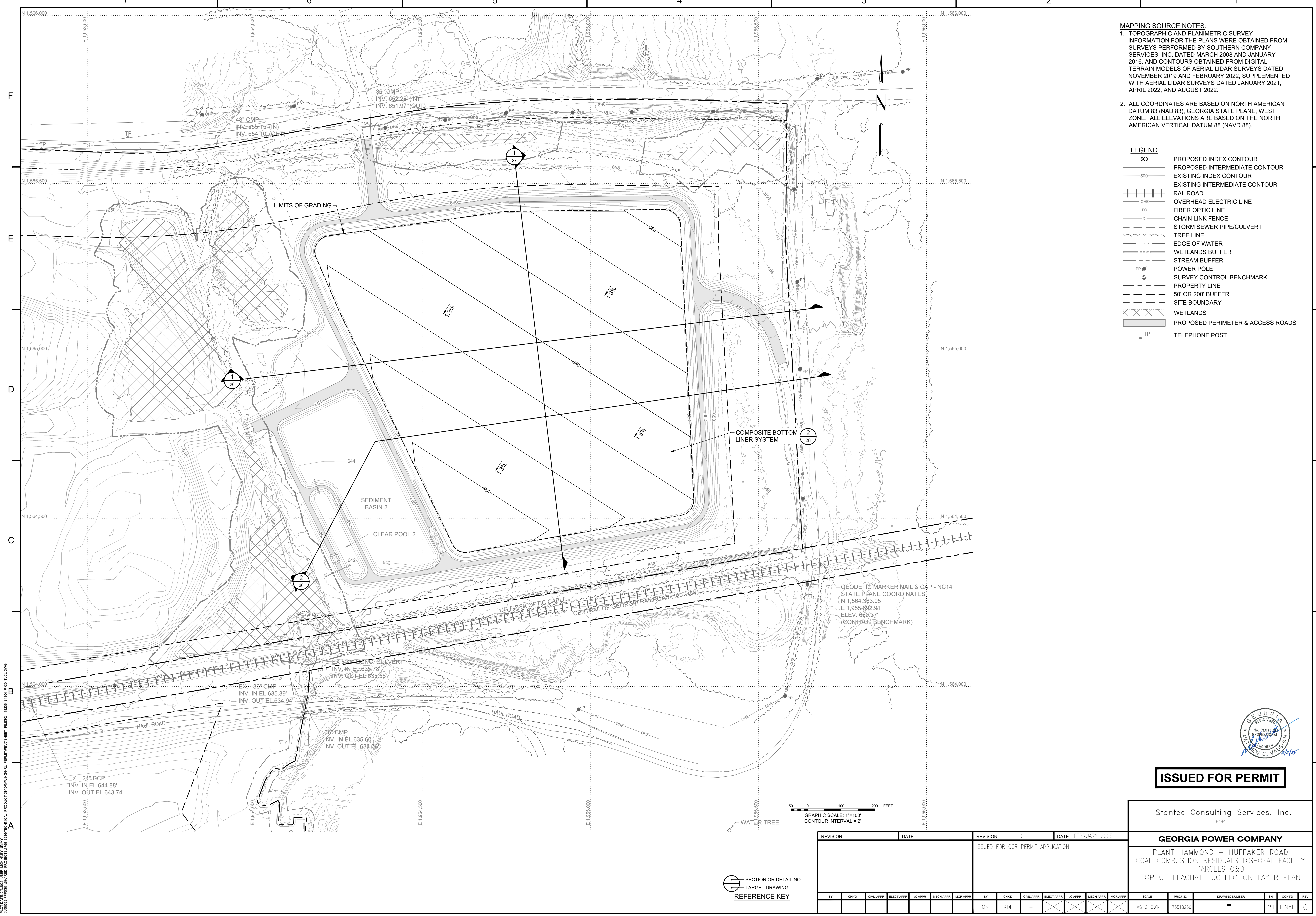
Stantec Consulting Services, Inc.
FOR
GEORGIA POWER COMPANY
PLANT HAMMOND - HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
PARCELS C&D
LEACHATE COLLECTION PIPE PLAN

REVISION	DATE	REVISION	DATE
		0	FEBRUARY 2025
		ISSUED FOR CCR PERMIT APPLICATION	
BY	CHKD	CIVIL APPR	ELECT APPR
		IC APPR	MECH APPR
		MGR APPR	
BMS	KDL	-	-

SCALE	PROJ. I.D.	DRAWING NUMBER	SH	CONTO	REV
AS SHOWN	175518236	-	20	FINAL	0

SECTION OR DETAIL NO.
TARGET DRAWING
REFERENCE KEY

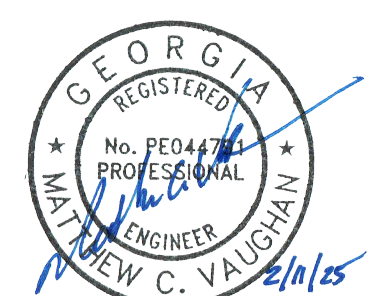
PLT DATE: 2/2/2025 USER: JCHANEY /HWY
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MAPPING SOURCE NOTES:
1. TOPOGRAPHIC AND PLANIMETRIC SURVEY INFORMATION FOR THE PLANS WERE OBTAINED FROM SURVEYS PERFORMED BY SOUTHERN COMPANY SERVICES, INC. DATED MARCH 2008 AND JANUARY 2016, AND CONTOURS OBTAINED FROM DIGITAL TERRAIN MODELS OF AERIAL LIDAR SURVEYS DATED NOVEMBER 2019 AND FEBRUARY 2022, SUPPLEMENTED WITH AERIAL LIDAR SURVEYS DATED JANUARY 2021, APRIL 2022, AND AUGUST 2022.
2. ALL COORDINATES ARE BASED ON NORTH AMERICAN DATUM 83 (NAD 83), GEORGIA STATE PLANE, WEST ZONE. ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88).

LEGEND	
	PROPOSED INDEX CONTOUR
	PROPOSED INTERMEDIATE CONTOUR
	EXISTING INDEX CONTOUR
	EXISTING INTERMEDIATE CONTOUR
	RAILROAD
	OVERHEAD ELECTRIC LINE
	FIBER OPTIC LINE
	CHAIN LINK FENCE
	STORM SEWER PIPE/CULVERT
	TREE LINE
	EDGE OF WATER
	WETLANDS BUFFER
	STREAM BUFFER
	POWER POLE
	SURVEY CONTROL BENCHMARK
	PROPERTY LINE
	50' OR 200' BUFFER
	SITE BOUNDARY
	WETLANDS
	PROPOSED PERIMETER & ACCESS ROADS
	TELEPHONE POST

GEODETIC MARKER NAIL & CAP - NC14
STATE PLANE COORDINATES:
N 1,564,363.05
E 1,955,682.91
ELEV. 660.37'
(CONTROL BENCHMARK)



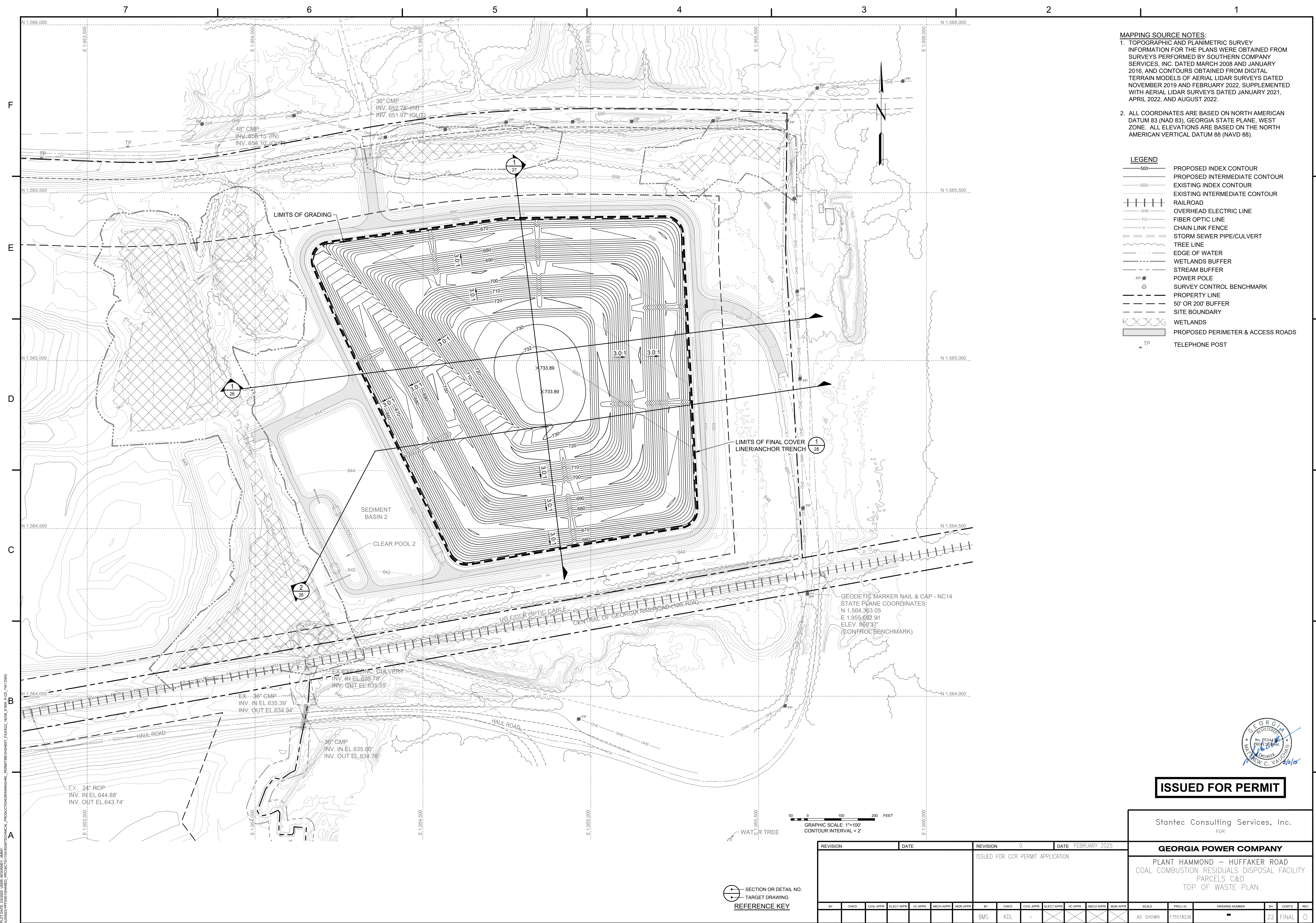
ISSUED FOR PERMIT

Stantec Consulting Services, Inc.
FOR
GEORGIA POWER COMPANY
PLANT HAMMOND — HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
PARCELS C&D
TOP OF LEACHATE COLLECTION LAYER PLAN

REVISION		DATE		REVISION		DATE	
				0		FEBRUARY 2025	
				ISSUED FOR CCR PERMIT APPLICATION			
BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR	MGR APPR	
BMS	KDL	-	X	X	X	X	




















SECTION OR DETAIL NO.
TARGET DRAWING
REFERENCE KEY

SCALE	PROJ. I.D.	DRAWING NUMBER	SH	CONTO	REV
AS SHOWN	175518236	-	21	FINAL	0



MAPPING SOURCE NOTES:

1. TOPOGRAPHIC AND PLANIMETRIC SURVEY INFORMATION FOR THE PLANS WERE OBTAINED FROM SURVEYS PERFORMED BY SOUTHERN COMPANY SERVICES, INC. DATED MARCH 2008 AND JANUARY 2016, AND CONTOURS OBTAINED FROM DIGITAL TERRAIN MODELS OF AERIAL LIDAR SURVEYS DATED NOVEMBER 2019 AND FEBRUARY 2022, SUPPLEMENTED WITH AERIAL LIDAR SURVEYS DATED JANUARY 2021, APRIL 2022, AND AUGUST 2022.
2. ALL COORDINATES ARE BASED ON NORTH AMERICAN DATUM 83 (NAD 83), GEORGIA STATE PLANE, WEST ZONE. ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88).

LEGEND	
	-500-
	-500-
	RAILROAD
	OVERHEAD ELECTRIC LINE
	FIBER OPTIC LINE
	CHAIN LINK FENCE
	STORM SEWER PIPE/CULVERT
	TREE LINE
	EDGE OF WATER
	WETLANDS BUFFER
	STREAM BUFFER
	POWER POLE
	SURVEY CONTROL BENCHMARK
	PROPERTY LINE
	50' OR 200' BUFFER
	SITE BOUNDARY
	WETLANDS
	PROPOSED PERIMETER & ACCESS ROAD
	TELEPHONE POST

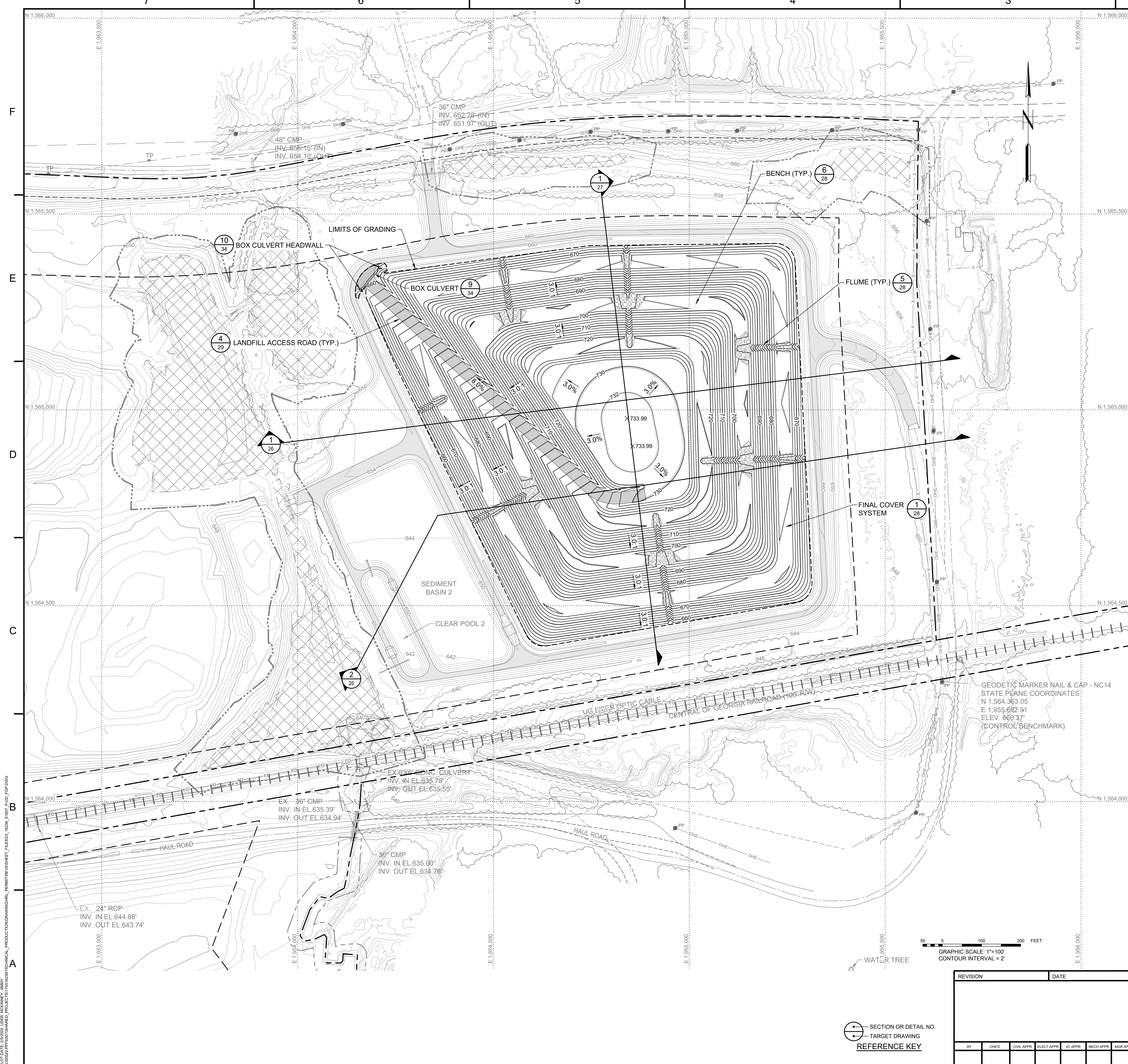
ISSUED FOR PERMIT

Stantec Consulting Services, Inc
FOR

GEORGIA POWER COMPANY
PLANT HAMMOND – HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
PARCELS C&D
TOP OF WASTE PLAN

REVISION						DATE						REVISION 0						DATE FEBRUARY 2025									
												ISSUED FOR CCR PERMIT APPLICATION															
BY		CHKD		CIVIL APPR		ELECT APPR		IC APPR		MECH APPR		MGR APPR		BY		CHKD		CIVIL APPR		ELECT APPR		IC APPR		MECH APPR		MGR APPR	
														BMS		KDL		—									

SCALE	PROJID.	DRAWING NUMBER	SH	CCNTD	R
AS SHOWN	175518236	■	22	FINAL	(

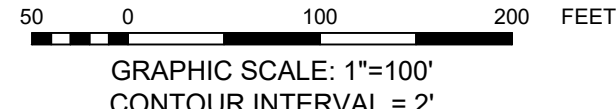


MAPPING SOURCE NOTES:

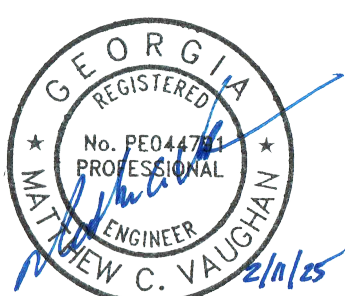
1. TOPOGRAPHIC AND PLANIMETRIC SURVEY INFORMATION FOR THE PLANS WERE OBTAINED FROM SURVEYS PERFORMED BY SOUTHERN COMPANY SERVICES, INC. DATED MARCH 2008 AND JANUARY 2016, AND CONTOURS OBTAINED FROM DIGITAL TERRAIN MODELS OF AERIAL LIDAR SURVEYS DATED NOVEMBER 2019 AND FEBRUARY 2022, SUPPLEMENTED WITH AERIAL LIDAR SURVEYS DATED JANUARY 2021, APRIL 2022, AND AUGUST 2022.
2. ALL COORDINATES ARE BASED ON NORTH AMERICAN DATUM 83 (NAD 83), GEORGIA STATE PLANE, WEST ZONE. ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88).

	500	PROPOSED INDEX CONTOUR
	500	PROPOSED INTERMEDIATE CONTOUR
		EXISTING INDEX CONTOUR
		EXISTING INTERMEDIATE CONTOUR
		RAILROAD
		OVERHEAD ELECTRIC LINE
		FIBER OPTIC LINE
		CHAIN LINK FENCE
		STORM SEWER PIPE/CULVERT
		TREE LINE
		EDGE OF WATER
		WETLANDS BUFFER
		STREAM BUFFER
		POWER POLE
		SURVEY CONTROL BENCHMARK
		PROPERTY LINE
		50' OR 200' BUFFER
		SITE BOUNDARY
		WETLANDS
		PROPOSED PERIMETER & ACCESS ROAD
		PROPOSED HAUL ROAD
		TELEPHONE POST

GEODETIC MARKER NAIL & CAP - NC14
 STATE PLANE COORDINATES:
 N 1,564,363.05
 E 1,955,692.91
 ELEV. 660.37'
 (CONTROL BENCHMARK)



SECTION OR DETAIL NO.
TARGET DRAWING
REFERENCE KEY



ISSUED FOR PERMIT

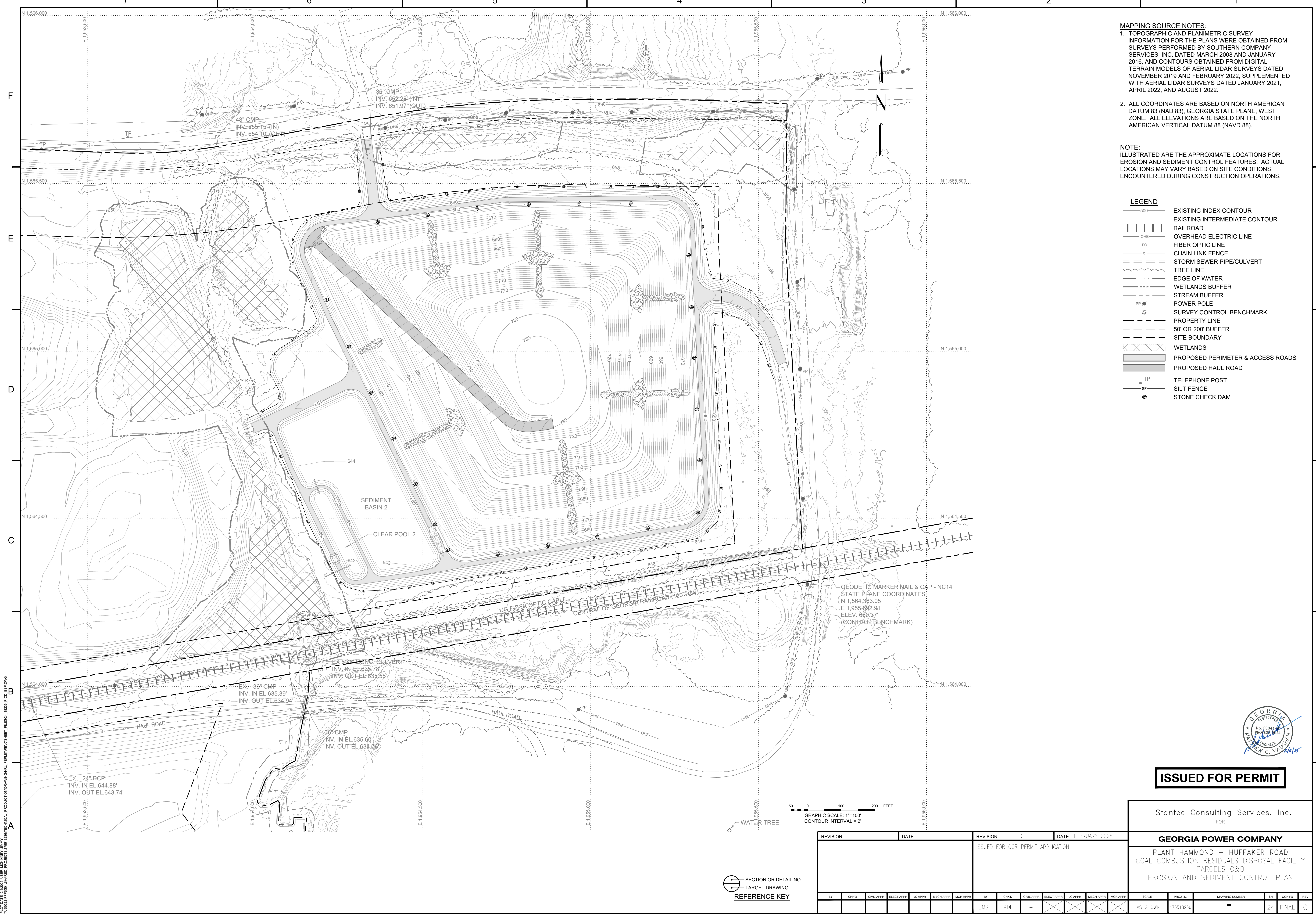
Stantec Consulting Services, Inc.
FOR

GEORGIA POWER COMPANY

PLANT HAMMOND - HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
PARCELS C&D
FINAL GRADE PLAN

REVISION							DATE							REVISION 0							DATE FEBRUARY 2025						
														ISSUED FOR CCR PERMIT APPLICATION													
BY		CHKD	CIVL APPR	ELECT APPR	IC APPR	MECH APPR	MGR APPR	BY		CHKD	CIVL APPR	ELECT APPR	IC APPR	MECH APPR	MGR APPR												
								BMS		KDL	-																

SCALE	PROJECT	DRAWING NUMBER	SH	CONT'D	REV
AS SHOWN	175518236	■	23	FINAL	0



MAPPING SOURCE NOTES:

1. TOPOGRAPHIC AND PLANIMETRIC SURVEY INFORMATION FOR THE PLANS WERE OBTAINED FROM SURVEYS PERFORMED BY SOUTHERN COMPANY SERVICES, INC. DATED MARCH 2008 AND JANUARY 2016, AND CONTOURS OBTAINED FROM DIGITAL TERRAIN MODELS OF AERIAL LIDAR SURVEYS DATED NOVEMBER 2019 AND FEBRUARY 2022, SUPPLEMENTED WITH AERIAL LIDAR SURVEYS DATED JANUARY 2021, APRIL 2022, AND AUGUST 2022.

2. ALL COORDINATES ARE BASED ON NORTH AMERICAN DATUM 83 (NAD 83), GEORGIA STATE PLANE, WEST ZONE. ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88).

NOTE:

ILLUSTRATED ARE THE APPROXIMATE LOCATIONS FOR EROSION AND SEDIMENT CONTROL FEATURES. ACTUAL LOCATIONS MAY VARY BASED ON SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION OPERATIONS.

- LEGEND**
- EXISTING INDEX CONTOUR
 - EXISTING INTERMEDIATE CONTOUR
 - RAILROAD
 - OVERHEAD ELECTRIC LINE
 - FIBER OPTIC LINE
 - CHAIN LINK FENCE
 - STORM SEWER PIPE/CULVERT
 - TREE LINE
 - EDGE OF WATER
 - WETLANDS BUFFER
 - STREAM BUFFER
 - POWER POLE
 - SURVEY CONTROL BENCHMARK
 - PROPERTY LINE
 - 50' OR 200' BUFFER
 - SITE BOUNDARY
 - WETLANDS
 - PROPOSED PERIMETER & ACCESS ROADS
 - PROPOSED HAUL ROAD
 - TELEPHONE POST
 - SILT FENCE
 - STONE CHECK DAM



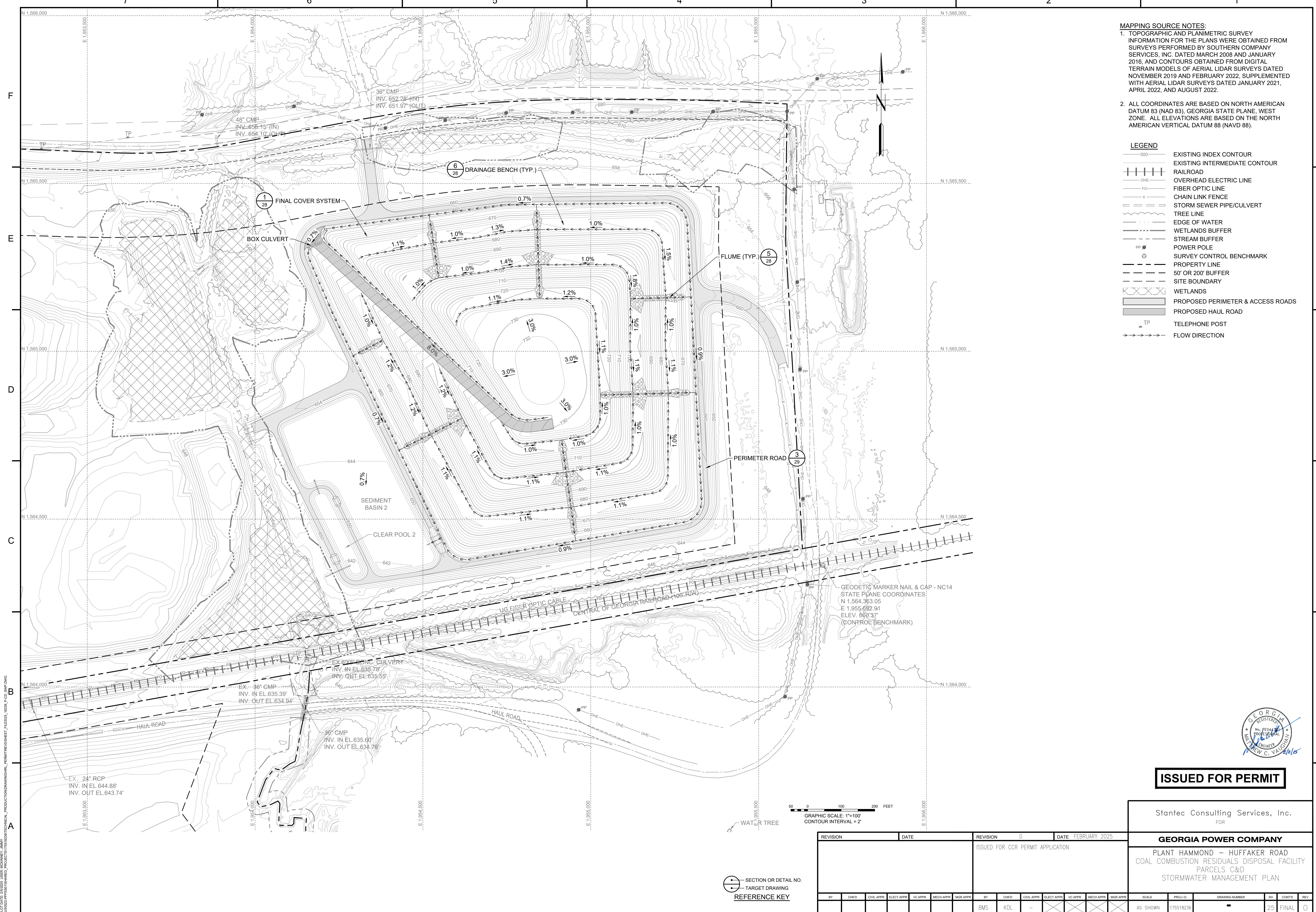
ISSUED FOR PERMIT

Stantec Consulting Services, Inc. FOR	
GEORGIA POWER COMPANY	
PLANT HAMMOND — HUFFAKER ROAD COAL COMBUSTION RESIDUALS DISPOSAL FACILITY PARCELS C&D EROSION AND SEDIMENT CONTROL PLAN	
SCALE	PROJ. I.D.
AS SHOWN	175518236
DRAWING NUMBER	24
SH	CONTO
REV	0

REVISION	DATE	REVISION	DATE
		0	FEBRUARY 2025
		ISSUED FOR CCR PERMIT APPLICATION	
BY	CHKD	CIVIL APPR	ELECT APPR
BY	CHKD	CIVIL APPR	ELECT APPR
BMS	KDL		

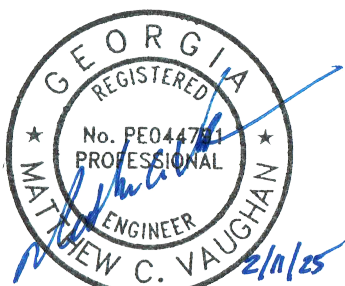
SECTION OR DETAIL NO.
TARGET DRAWING
REFERENCE KEY

PLT DATE: 2/25/25 USER: MCHANEY, JMM
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MAPPING SOURCE NOTES:
1. TOPOGRAPHIC AND PLANIMETRIC SURVEY INFORMATION FOR THE PLANS WERE OBTAINED FROM SURVEYS PERFORMED BY SOUTHERN COMPANY SERVICES, INC. DATED MARCH 2008 AND JANUARY 2016, AND CONTOURS OBTAINED FROM DIGITAL TERRAIN MODELS OF AERIAL LIDAR SURVEYS DATED NOVEMBER 2019 AND FEBRUARY 2022. SUPPLEMENTED WITH AERIAL LIDAR SURVEYS DATED JANUARY 2021, APRIL 2022, AND AUGUST 2022.
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- LEGEND**
- 500 EXISTING INDEX CONTOUR
 - EXISTING INTERMEDIATE CONTOUR
 - RAILROAD
 - OVERHEAD ELECTRIC LINE
 - FIBER OPTIC LINE
 - CHAIN LINK FENCE
 - STORM SEWER PIPE/CULVERT
 - TREE LINE
 - EDGE OF WATER
 - WETLANDS BUFFER
 - STREAM BUFFER
 - POWER POLE
 - SURVEY CONTROL BENCHMARK
 - PROPERTY LINE
 - 50' OR 200' BUFFER
 - SITE BOUNDARY
 - WETLANDS
 - PROPOSED PERIMETER & ACCESS ROADS
 - PROPOSED HAUL ROAD
 - TELEPHONE POST
 - FLOW DIRECTION



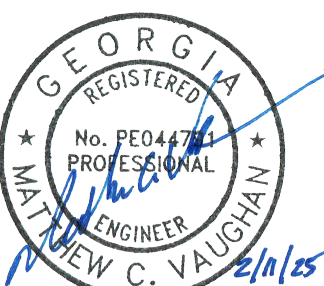
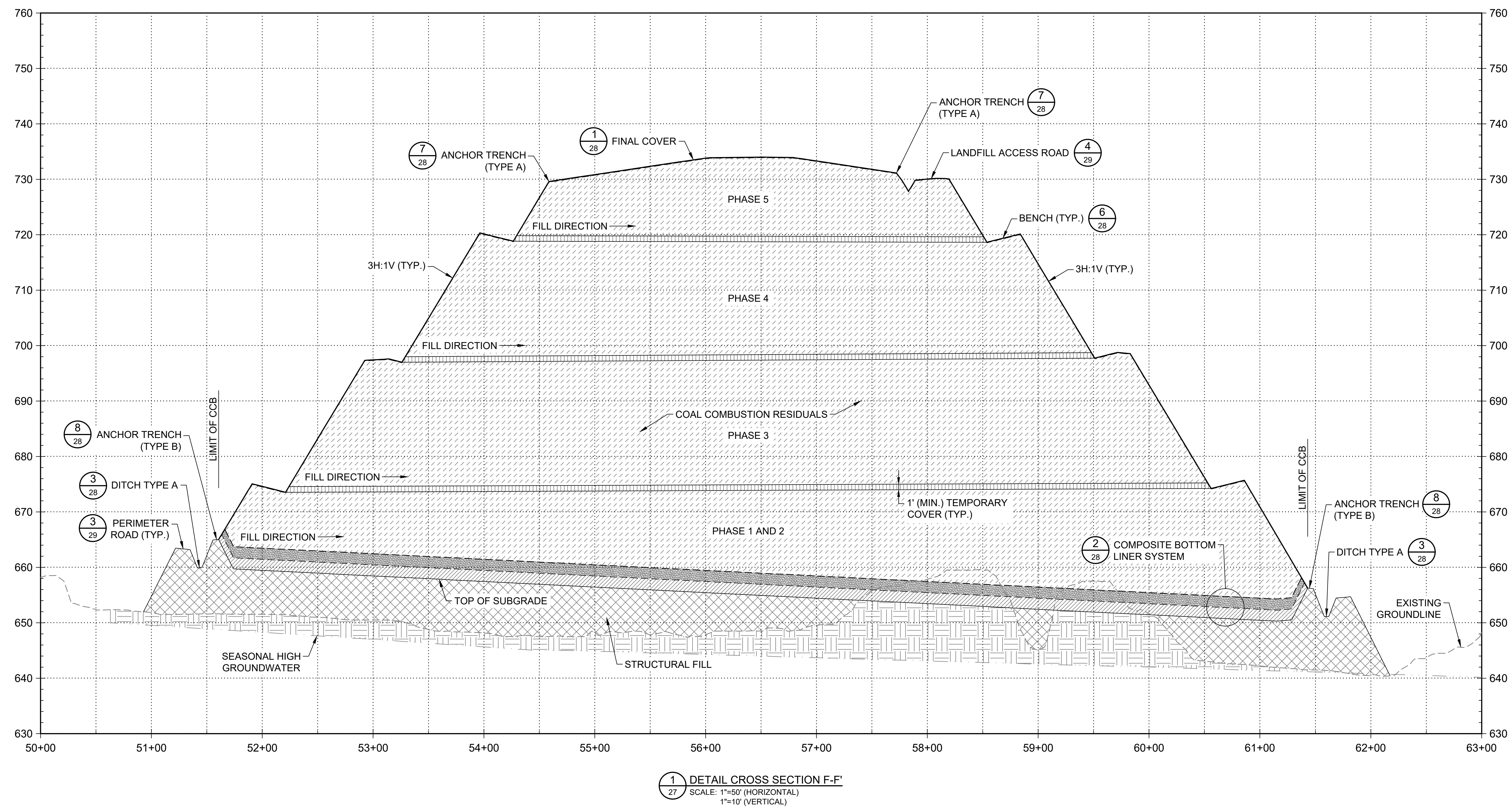
ISSUED FOR PERMIT

Stantec Consulting Services, Inc. FOR	
GEORGIA POWER COMPANY	
PLANT HAMMOND — HUFFAKER ROAD COAL COMBUSTION RESIDUALS DISPOSAL FACILITY PARCELS C&D STORMWATER MANAGEMENT PLAN	
SCALE	PROJ. I.D.
AS SHOWN	175518236
DRAWING NUMBER	25
SH	CONTD
REV	0

REVISION	DATE	REVISION	DATE
		0	FEBRUARY 2025
		ISSUED FOR CCR PERMIT APPLICATION	
BY	CHKD	CIVIL APPR	ELECT APPR
BY	CHKD	CIVIL APPR	ELECT APPR
BMS	KDL		

SECTION OR DETAIL NO.
TARGET DRAWING
REFERENCE KEY

PLT DATE: 2/25/25 USER: MCHANEY, JMM
I:\2025\PP\3501\ISSUED_PL\PRODUCTION\DRAWINGS\REL_PERMIT\REVISIONSHEET_FILES\25_P.C.D_SWP.DWG



ISSUED FOR PERMIT

Stantec Consulting Services, Inc.
FOR

GEORGIA POWER COMPANY


PLANT HAMMOND - HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
PARCELS C&D
CROSS SECTIONS

SCALE	PROJ. I.D.	DRAWING NUMBER	SH	CONTD	REV
AS SHOWN	175518236	■	27	FINAL	0

SCALE	PROJ I.D.	DRAWING NUMBER	SH	CONTD	REV
AS SHOWN	175518236	■	27	FINAL	0

[illegible]

REVISION		DATE		REVISION 0		DATE FEBRUARY 2025	
				ISSUED FOR CCR PERMIT APPLICATION			
BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR	MGR APPR	
	BMS	KDL	-	X	X	X	X


 SECTION OR DETAIL NO.
 TARGET DRAWING
REFERENCE KEY



PLOT DATE: 2/5/2025 USER: MCKINNEY, JIMMY
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PLT DATE: 2/25/25 USER: KJH/MSH/ JKH/ PROJECT: 175518236 TECHNICAL PRODUCTION/DRAWING/PERMIT SHEET FILES/25_1823_5181_PCD.DWG
175518236.DWG USER: KJH/MSH/ JKH/ PROJECT: 175518236 TECHNICAL PRODUCTION/DRAWING/PERMIT SHEET FILES/25_1823_5181_PCD.DWG

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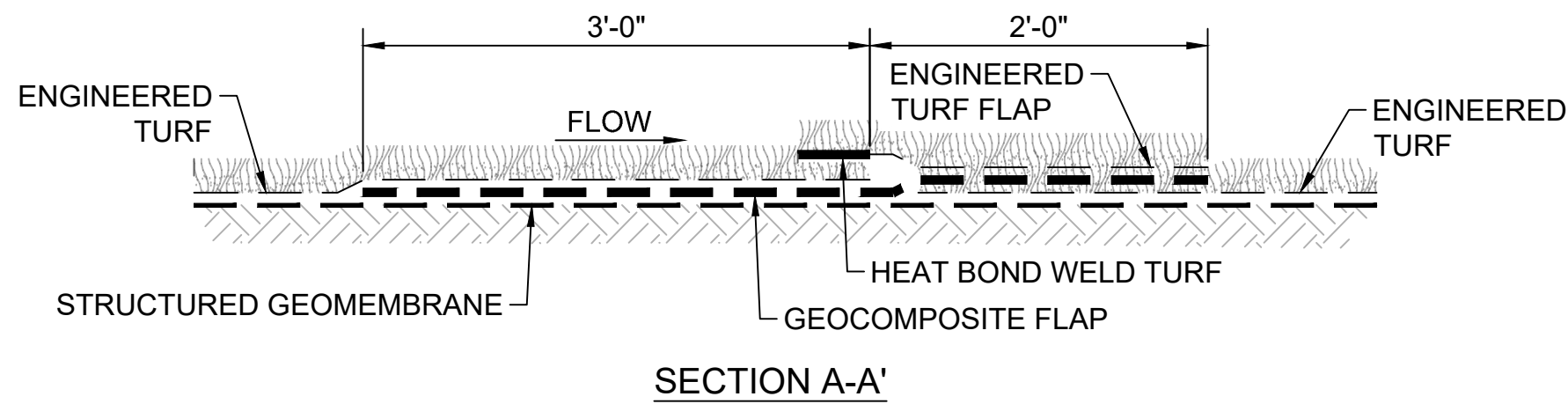
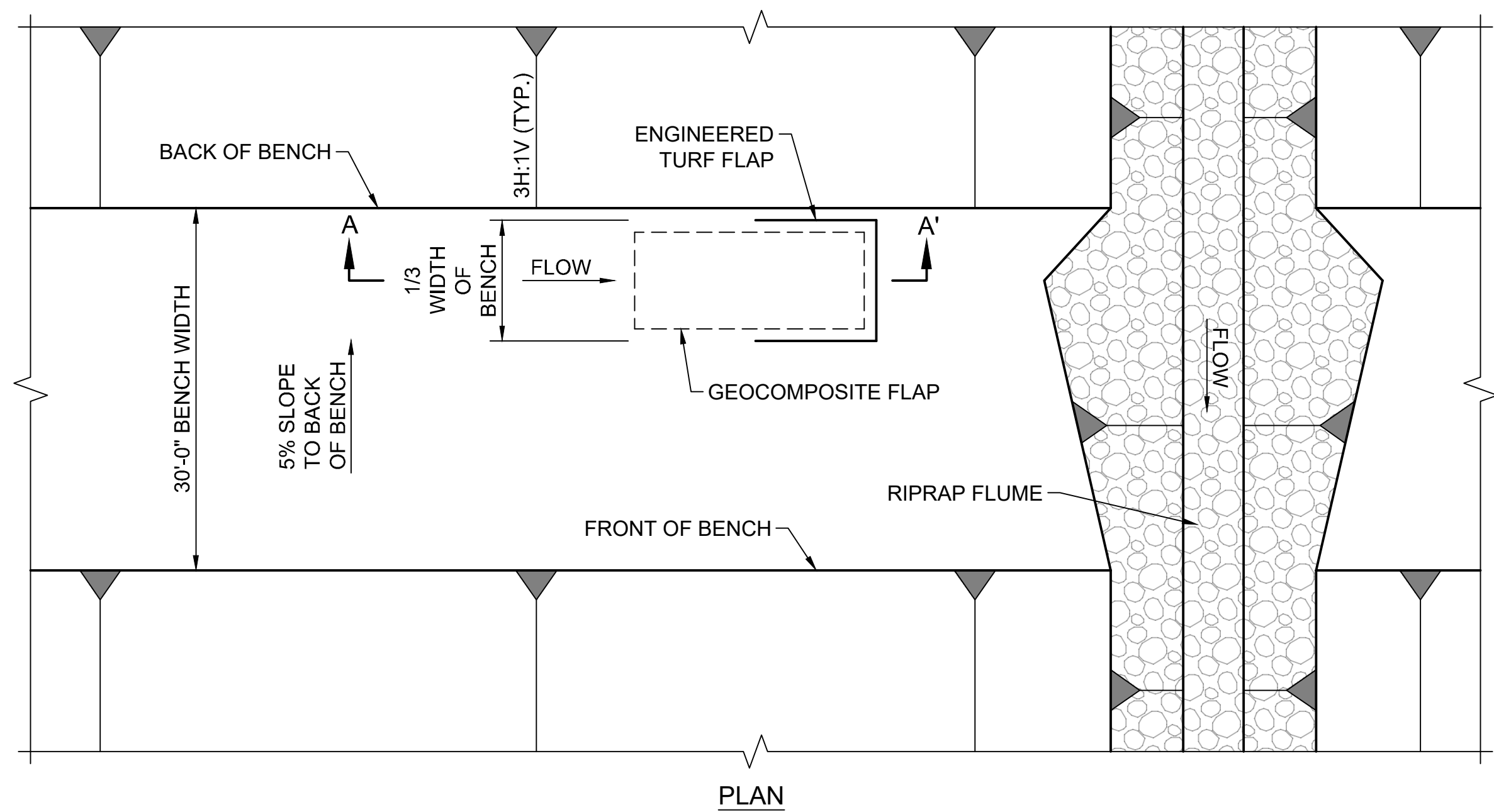
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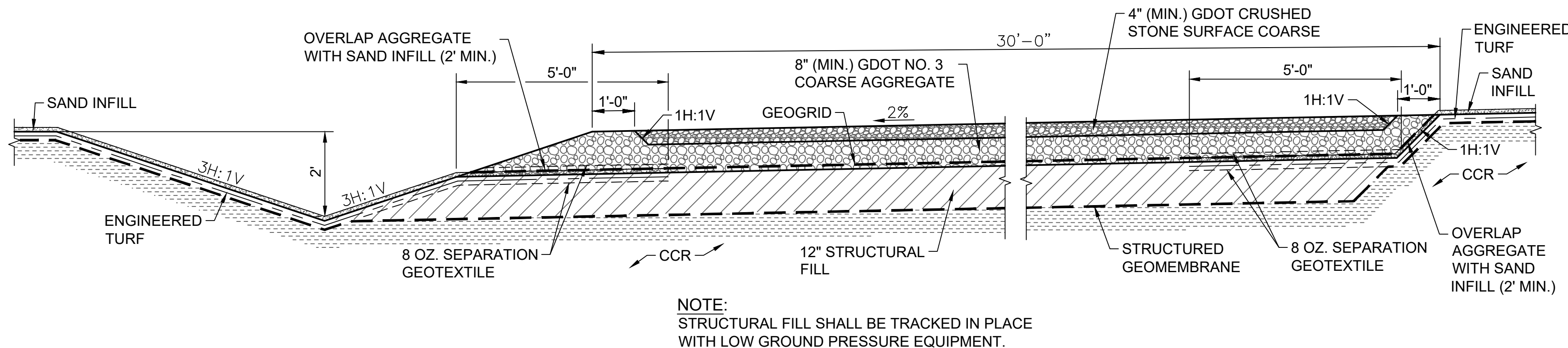
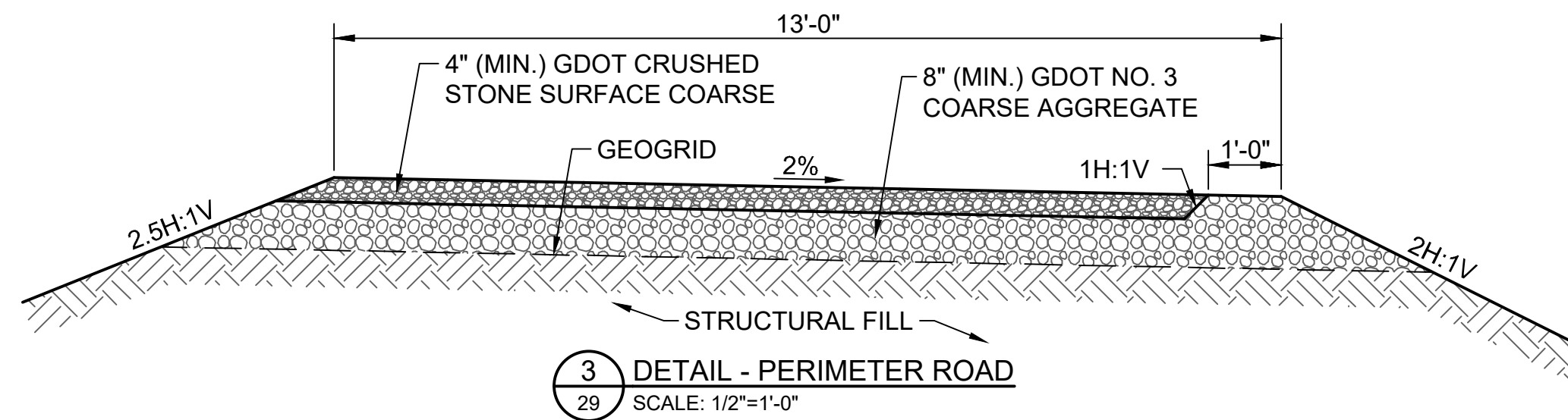
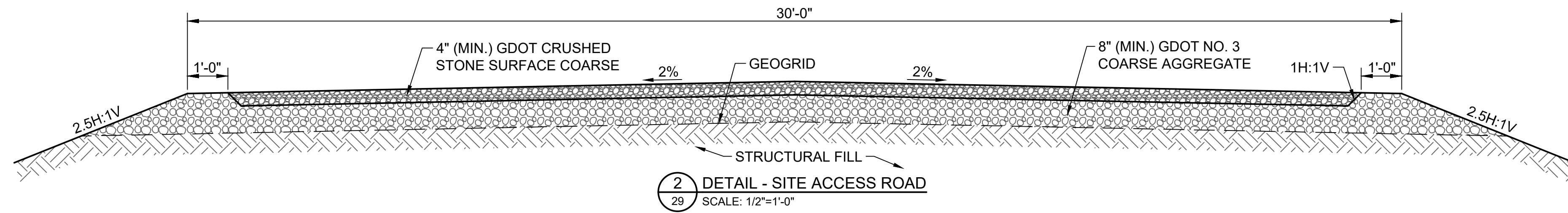
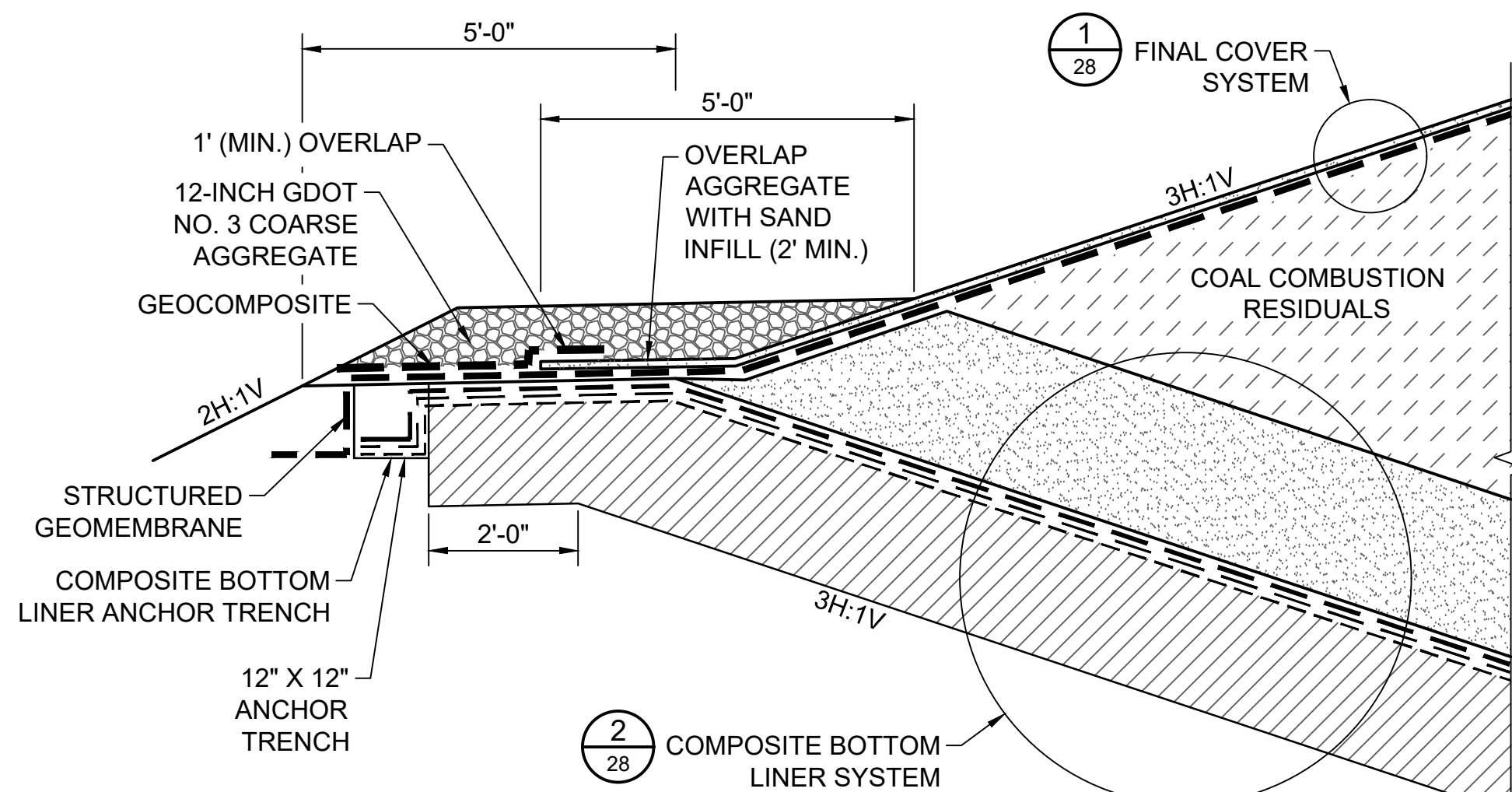
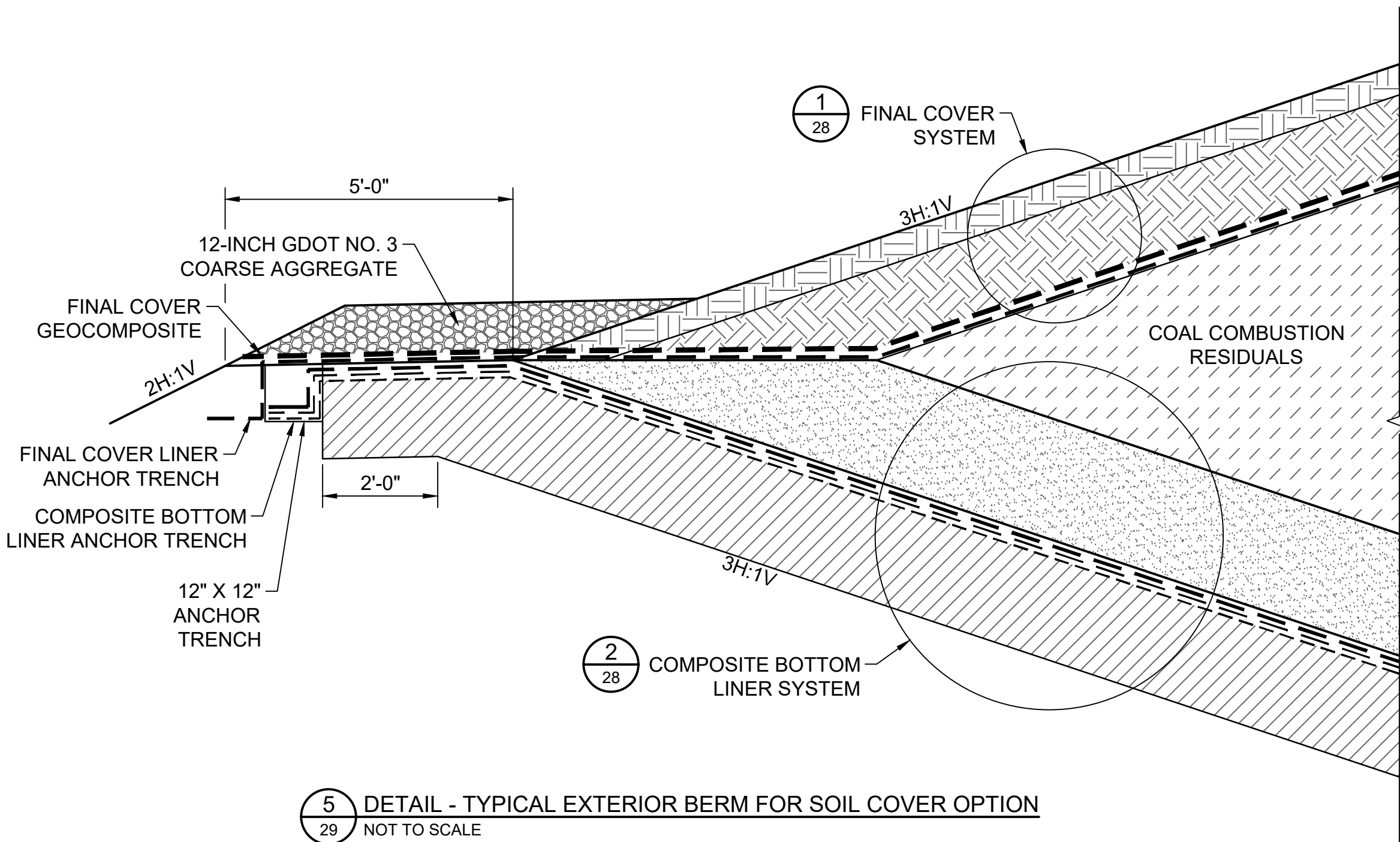
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A

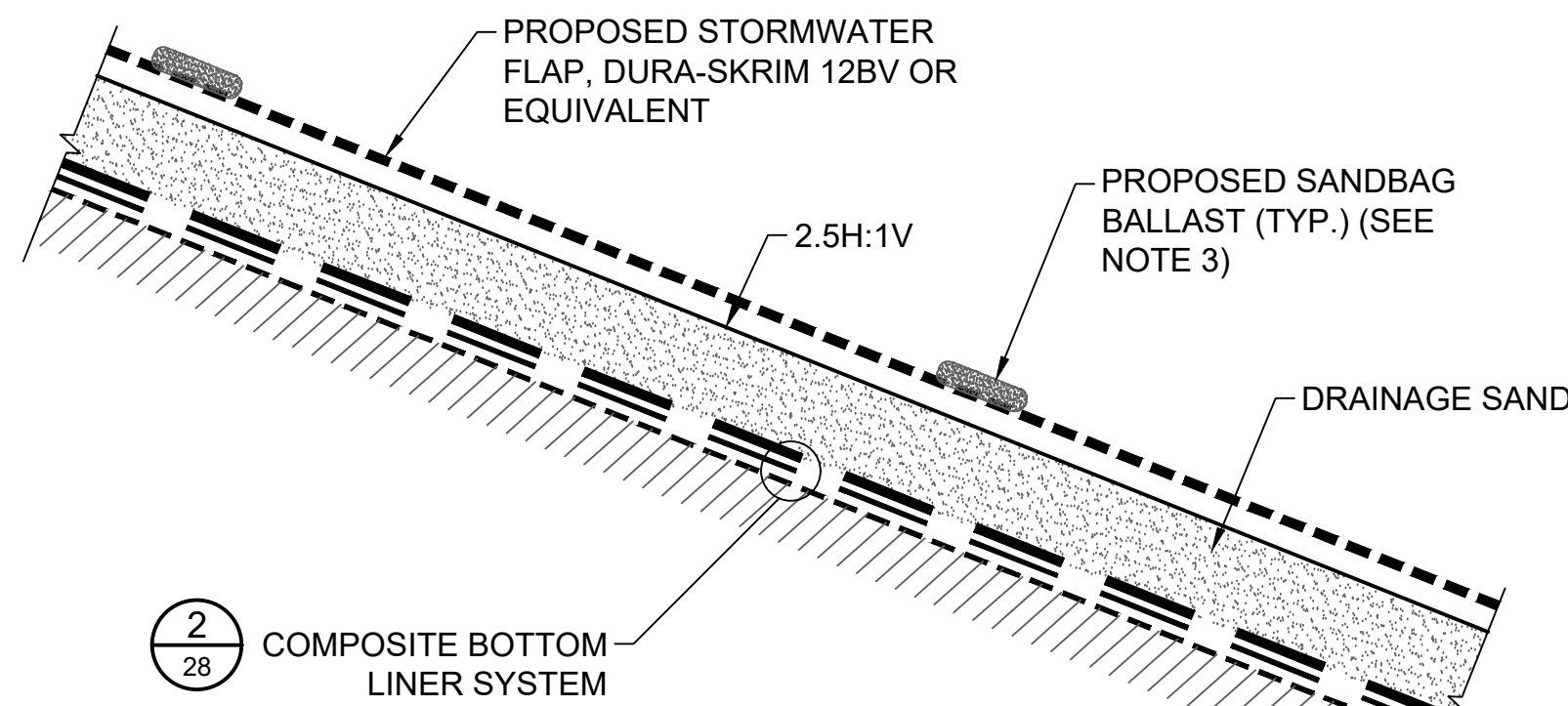


NOTE:
WATER RELEASE VENTS SHALL BE INSTALLED ALONG THE BENCHES (STARTING IMMEDIATELY ADJACENT TO THE FLUMES).

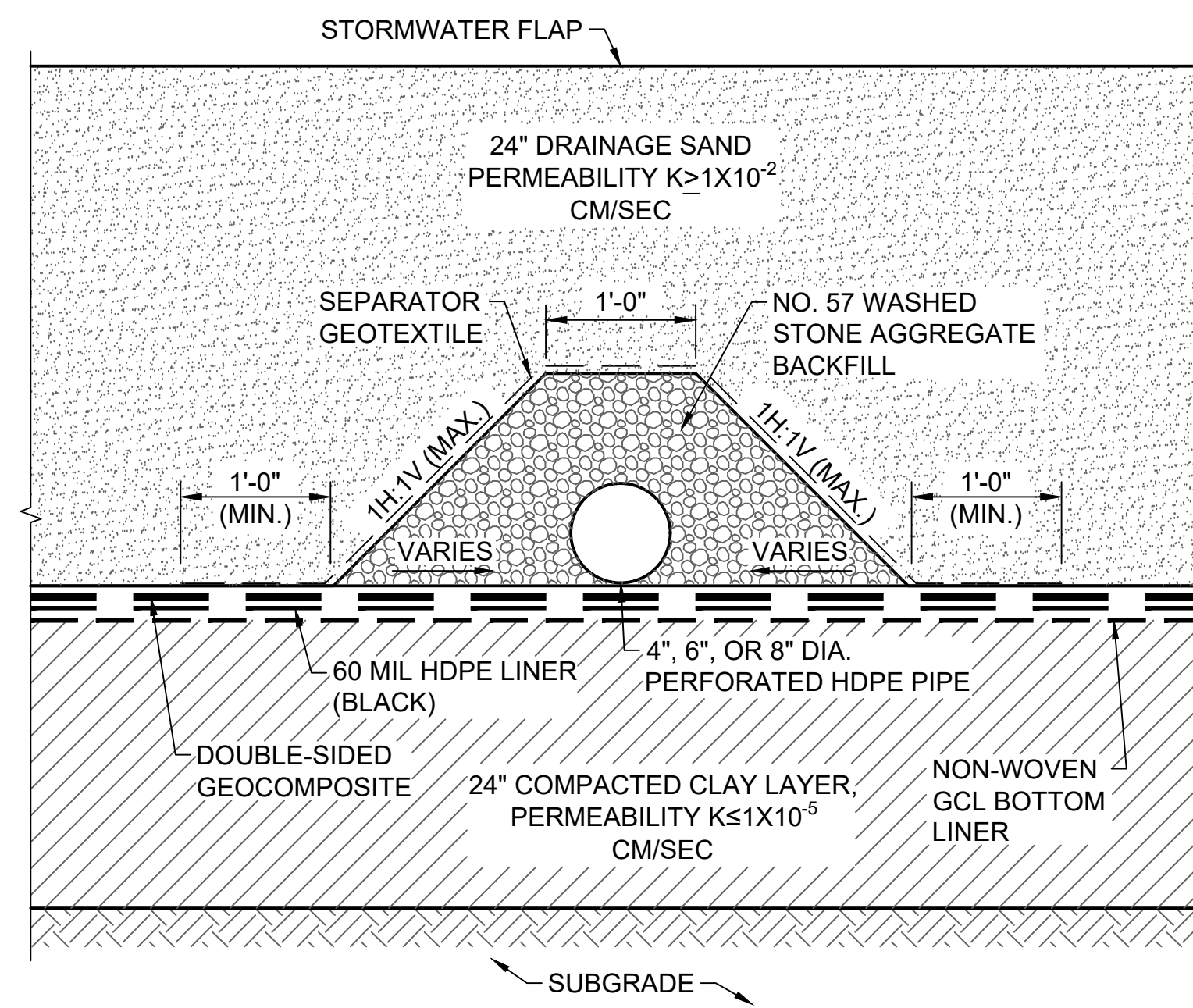
1 DETAIL - CLOSURE TURF VENT (ENGINEERED TURF COVER OPTION)
29 NOT TO SCALE



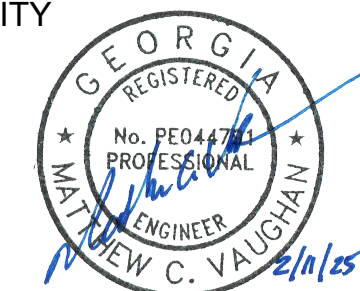
NOTE:
STRUCTURAL FILL SHALL BE TRACKED IN PLACE WITH LOW GROUND PRESSURE EQUIPMENT.



- NOTES:
1. STORMWATER FLAPS TO BE INSTALLED ON AREAS NOT ACTIVELY RECEIVING WASTE.
 2. STORMWATER FLAP SEAMS TO BE WELDED.
 3. THIRTY POUND SANDBAGS SHALL BE PLACED AT TEN FEET INTERVALS LATERALLY ALONG THE STORMWATER FLAP AT THE LOCATIONS SHOWN ON THE DETAIL.
 4. A TEMPORARY STORMWATER FLAP SHALL BE USED DURING FILLING OPERATIONS TO REDUCE THE VOLUME OF STORMWATER DISCHARGE INTO THE LEACHATE COLLECTION SYSTEM.



- NOTES:
1. HEAT BOND SEPARATOR GEOTEXTILE TO GEOCOMPOSITE AT OVERLAP OVER STONE AGGREGATE BACKFILL.
 2. CONTRACTOR MAY OMIT THE NON-WOVEN GCL BOTTOM LINER IF A PERMEABILITY OF $K \leq 1 \times 10^{-7}$ CM/SEC IS ACHIEVED FOR THE COMPACTED CLAY LAYER.

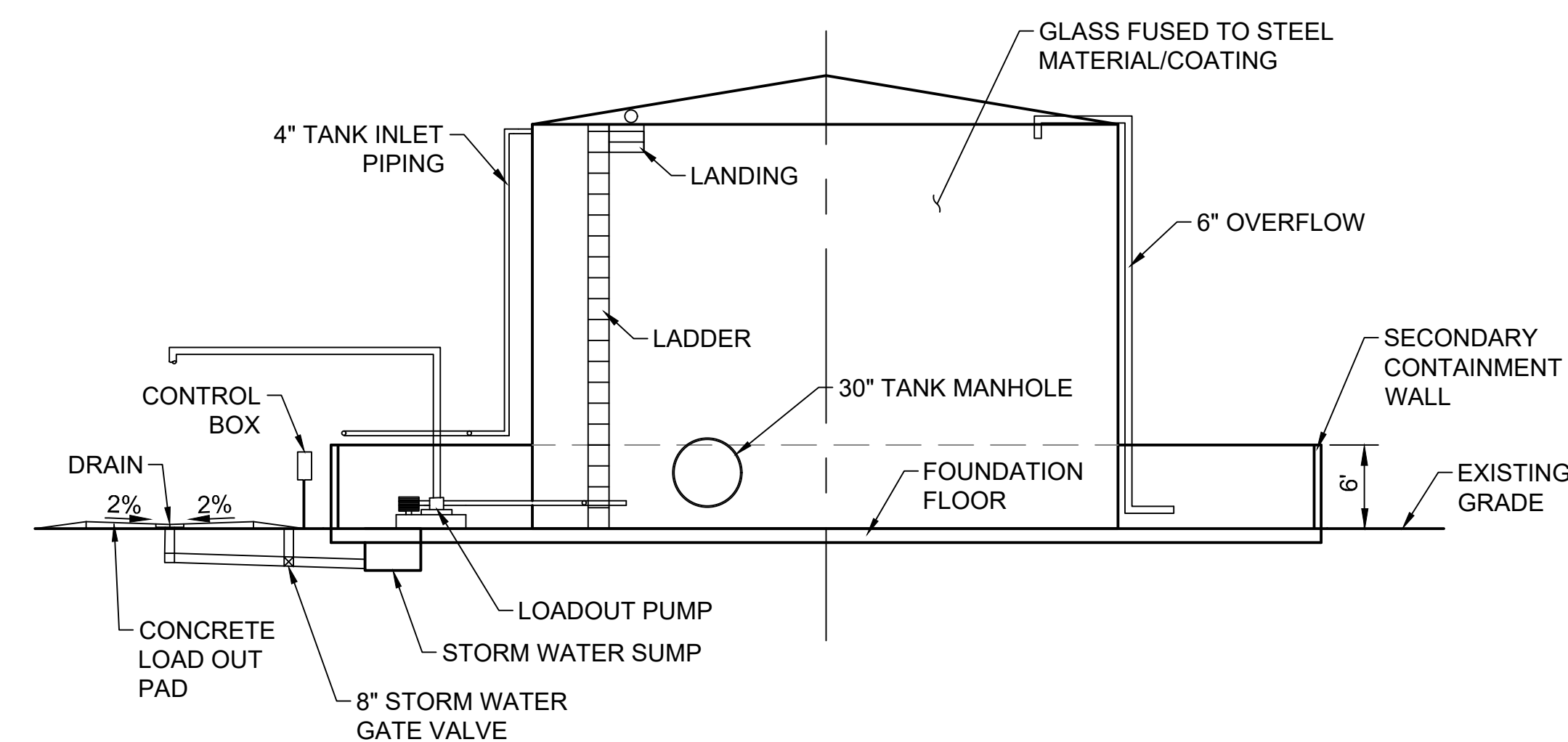


ISSUED FOR PERMIT

SECTION OR DETAIL NO.
TARGET DRAWING
REFERENCE KEY

REVISION		DATE	REVISION		DATE
			0		FEBRUARY 2025
			ISSUED FOR CCR PERMIT APPLICATION		
BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR
BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR
JJM	KDL	-	-	-	-

Stantec Consulting Services, Inc. FOR					
GEORGIA POWER COMPANY					
PLANT HAMMOND — HUFFAKER ROAD COAL COMBUSTION RESIDUALS DISPOSAL FACILITY PARCELS C&D DETAILS					
SCALE	PROJ. I.D.	DRAWING NUMBER	SH	CONTD	REV
AS SHOWN	175518236	-	29	FINAL	0



NOTES:

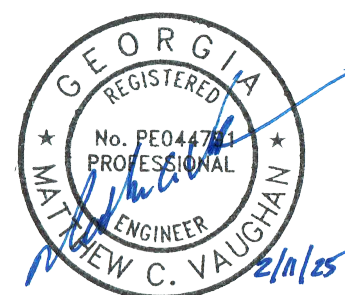
1. FINAL FOUNDATION FLOOR DETAILS TO BE DETERMINED UPON COMPLETION OF GEOTECHNICAL EXPLORATION.
2. TWO LEACHATE TANKS TO BE INSTALLED. GLASS FUSED TO STEEL MATERIAL. EACH TANK HAS A DIAMETER OF 42'-0" AND IS 29'-1 1/4" TALL. EACH TANK HAS A CAPACITY OF 290,750 GALLONS. A CONCRETE FLOOR SECONDARY CONTAINMENT HAS BEEN SIZED FOR 110% OF THE VOLUME FOR ONE TANK AND FOR 6 FEET OF STORAGE IN THE SECOND TANK. SECONDARY CONTAINMENT IS 6 FEET TALL.

The image contains two technical drawings of storm water line gate valves, labeled 'PAVED AREAS' and 'UNPAVED AREAS'.

PAVED AREAS: This drawing shows a gate valve installed in a paved area. The concrete collar is 24" square and 8" thick, with a 12" diameter opening. The valve is 24" square and 8" thick. The gate valve is labeled 'GATE VALVE, (TYP.)'. The storm water line is shown below the valve. The trench backfill is shown around the valve. The pavement structure is as specified. The reinforcement is #4 deformed bar 16" dia. both directions (typ.) (see note 1). The concrete collar is 24" square and 8" thick, with a 12" diameter opening. The valve is 24" square and 8" thick. The gate valve is labeled 'GATE VALVE, (TYP.)'. The storm water line is shown below the valve. The trench backfill is shown around the valve. The pavement structure is as specified. The reinforcement is #4 deformed bar 16" dia. both directions (typ.) (see note 1).

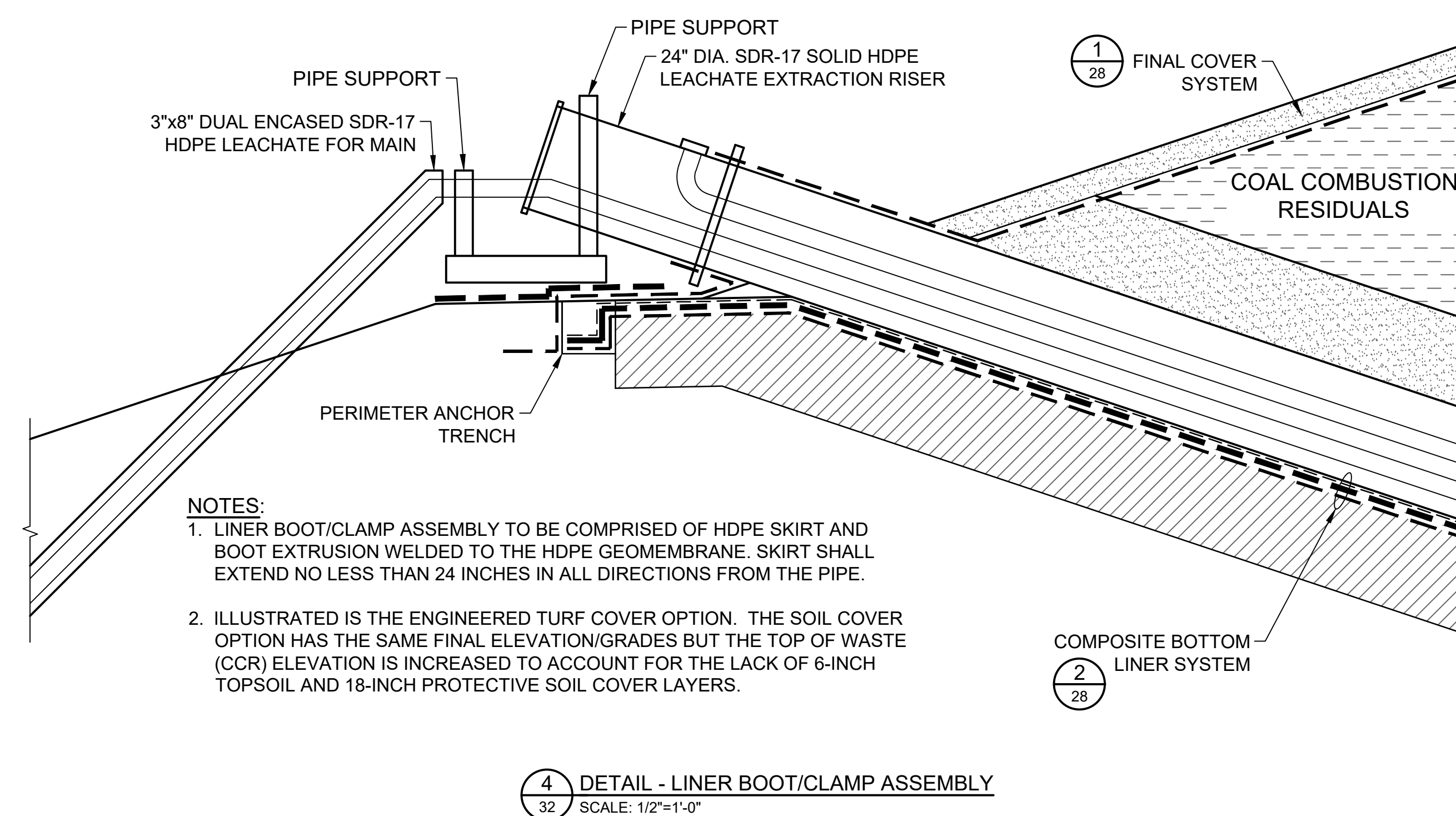
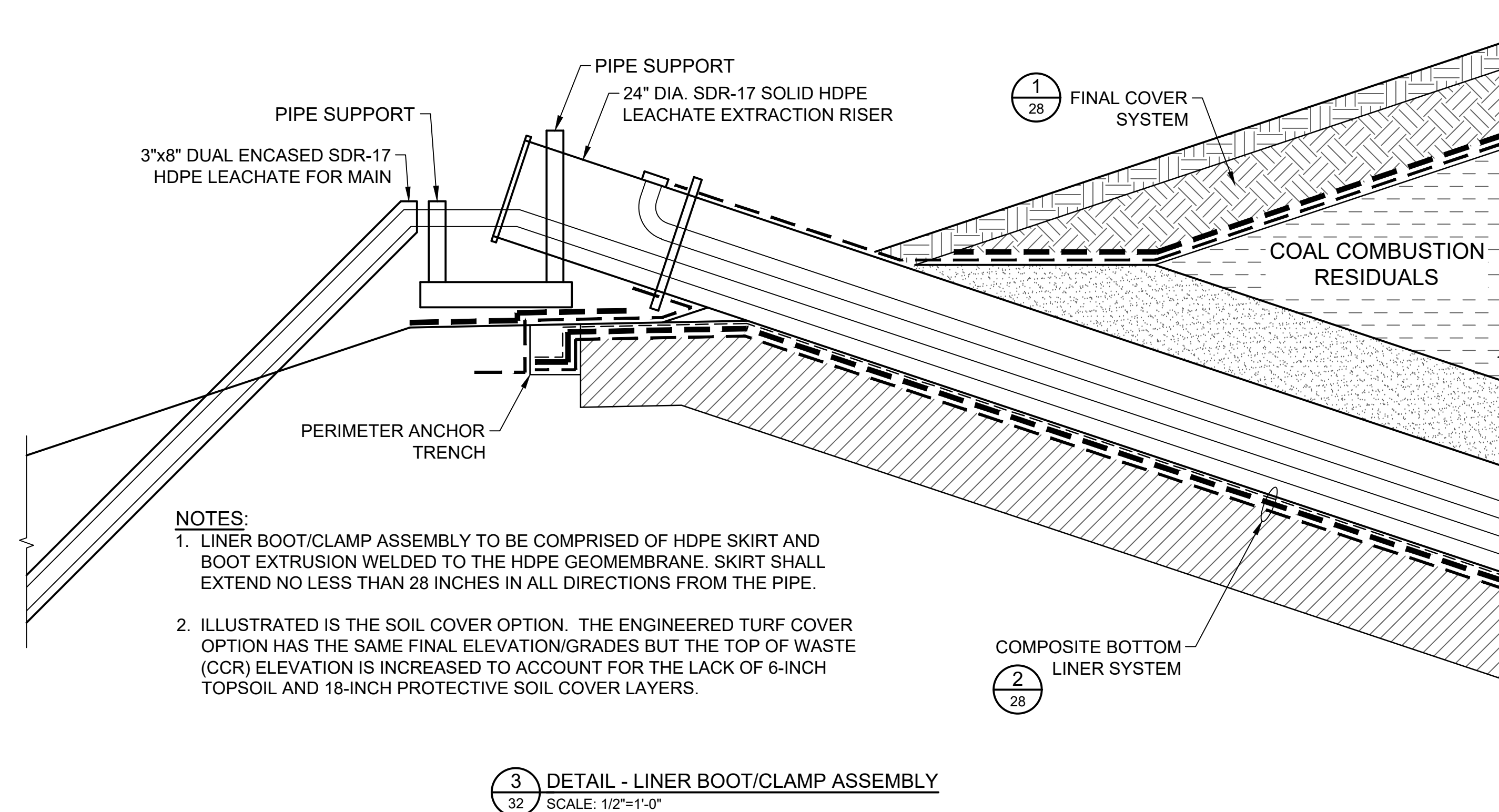
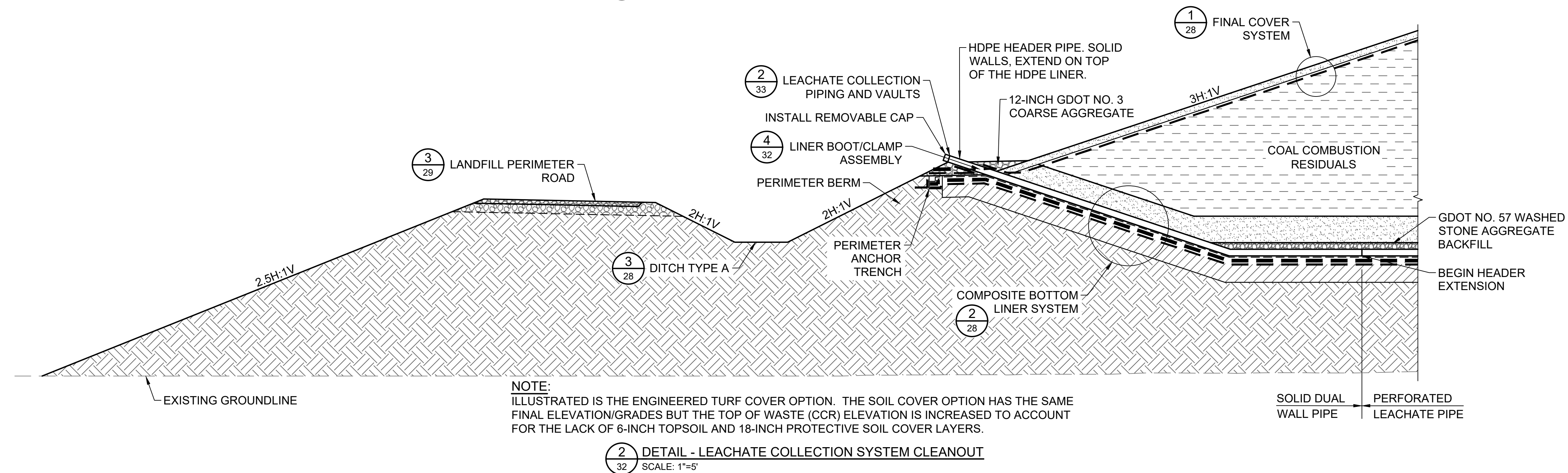
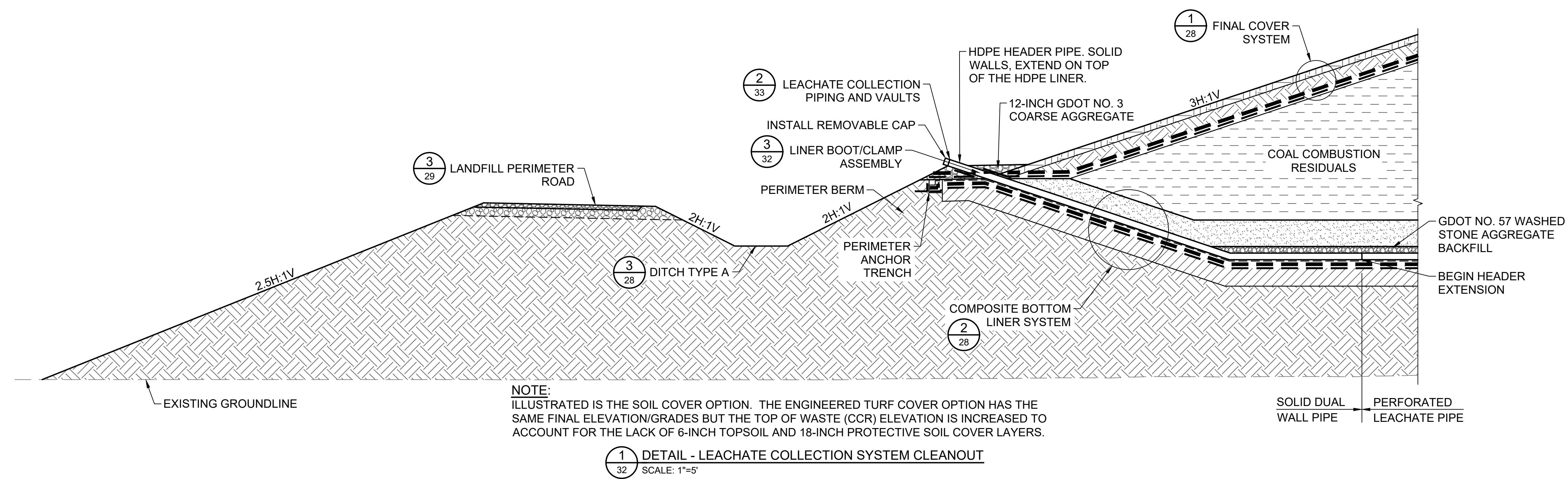
UNPAVED AREAS: This drawing shows a gate valve installed in an unpaved area. The concrete collar is 24" square and 8" thick, with a 12" diameter opening. The valve is 24" square and 8" thick. The gate valve is labeled 'GATE VALVE, (TYP.)'. The storm water line is shown below the valve. The trench backfill is shown around the valve. The pavement structure is as specified. The reinforcement is #4 deformed bar 16" dia. both directions (typ.) (see note 1).

SECTION OR DETAIL NO.
TARGET DRAWING
REFERENCE KEY



PLANT HAMMOND – HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
PARCELS C&D
DETAILS

REVISION		DATE		REVISION 0		DATE FEBRUARY 2025		GEORGIA POWER COMPANY											
				ISSUED FOR CCR PERMIT APPLICATION				PLANT HAMMOND – HUFFAKER ROAD											
								COAL COMBUSTION RESIDUALS DISPOSAL FACILITY											
								PARCELS C&D											
								DETAILS											
BY	CHKD	CIVIL APPR	ELECT APPR	VC APPR	MECH APPR	MGR APPR	BY	CHKD	CIVIL APPR	ELECT APPR	VC APPR	MECH APPR	MGR APPR	SCALE	PROJ ID	DRAWING NUMBER	SH	CONTD	REV
							JJM	KDL	–	✕	✕	✕	✕	AS SHOWN	175518236	–		31	FINAL



REVISION		DATE		REVISION 0		DATE FEBRUARY 2025		GEORGIA POWER COMPANY PLANT HAMMOND – HUFFAKER ROAD COAL COMBUSTION RESIDUALS DISPOSAL FACILITY PARCELS C&D DETAILS											
ISSUED FOR CCR PERMIT APPLICATION																			
BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR	MGR APPR	BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR	MGR APPR	SCALE	PROJ I.D.	DRAWING NUMBER	SH	CONTD	REV
							JJM	KDL	—					AS SHOWN	175518236	—	32	FINAL	0

ANSI F: 28x40 AUTOCAD 2023

PLOT DATE: 2/5/2025 USER: MCKINNEY, JIMMY
 US05622-PPFSS01SHARED_PROJECTS\17551826\TECHNICAL_PRODUCTION\DRAWING\HRL_PERMIT\REV\USHEET_FILES\32_1814_P.CO_DTS.DWG

PLT DATE: 2/2/2025 USER: JHUNNEY /HWY
\\US020PPR5501\ISSUED_PROJECTS\175518236\TECHNICAL_PRODUCTION\DRAWINGS\REL_PERMITS\DWG\SH1T_10236_S1916_P-CD_010.DWG

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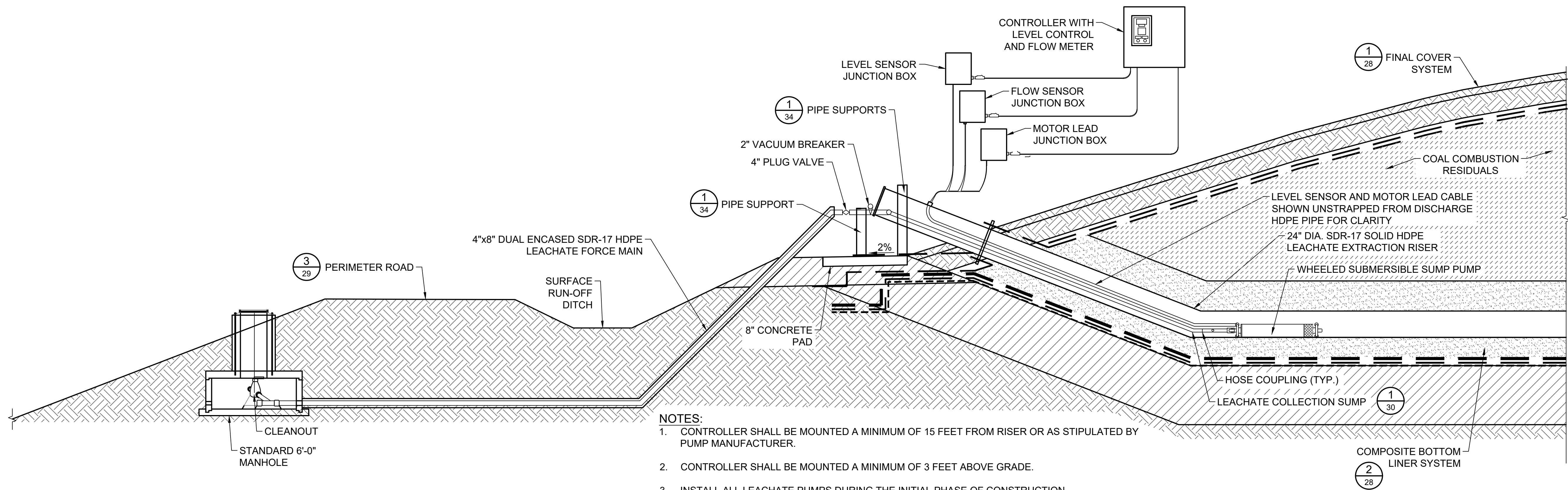
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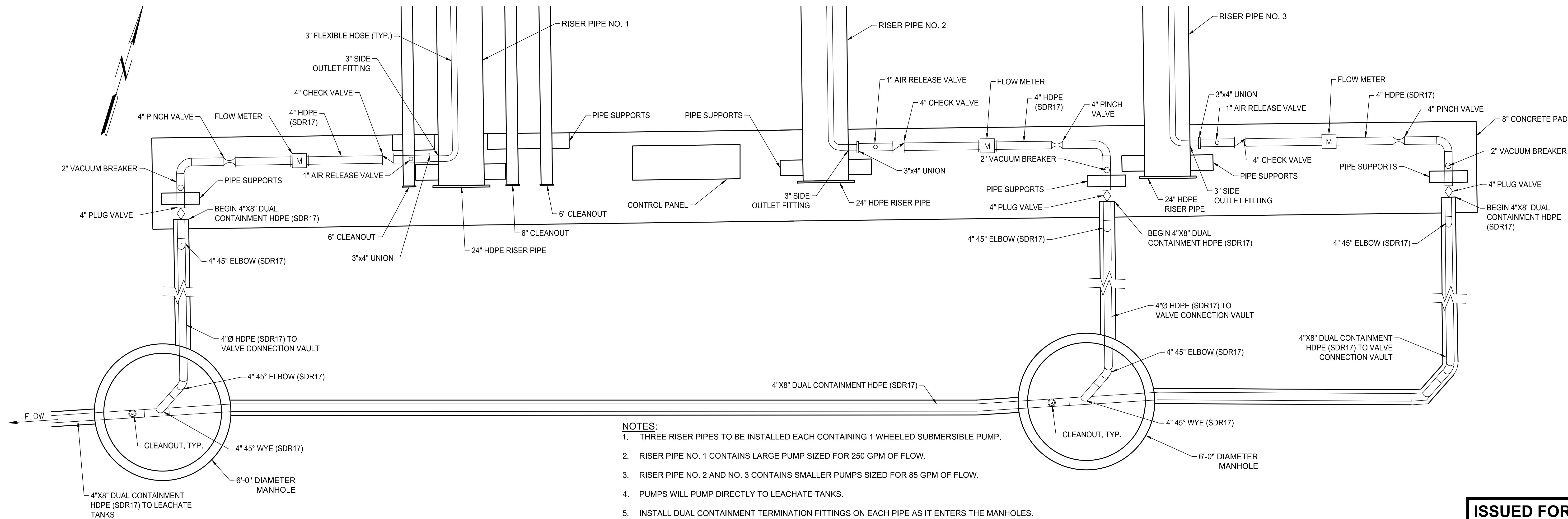
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- NOTES:
1. CONTROLLER SHALL BE MOUNTED A MINIMUM OF 15 FEET FROM RISER OR AS STIPULATED BY PUMP MANUFACTURER.
 2. CONTROLLER SHALL BE MOUNTED A MINIMUM OF 3 FEET ABOVE GRADE.
 3. INSTALL ALL LEACHATE PUMPS DURING THE INITIAL PHASE OF CONSTRUCTION.
 4. DUAL ENCASED PIPE TO MAINTAIN MINIMUM COVER OF 36 INCHES.
 5. DUAL ENCASED PIPE TO MAINTAIN POSITIVE DRAINAGE TOWARDS MANHOLE AT ALL TIMES.
 6. ILLUSTRATED IS THE SOIL COVER OPTION. THE ENGINEERED TURF COVER OPTION HAS THE SAME FINAL ELEVATION/GRADES BUT THE TOP OF WASTE (CCR) ELEVATION IS INCREASED TO ACCOUNT FOR THE LACK OF 6-INCH TOPSOIL AND 18-INCH PROTECTIVE SOIL COVER LAYERS.

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DETAIL - LEACHATE EXTRACTION PUMP SIDE SLOPE RISER
SCALE: 1/2"=1'-0"



- NOTES:
1. THREE RISER PIPES TO BE INSTALLED EACH CONTAINING 1 WHEELED SUBMERSIBLE PUMP.
 2. RISER PIPE NO. 1 CONTAINS LARGE PUMP SIZED FOR 250 GPM OF FLOW.
 3. RISER PIPE NO. 2 AND NO. 3 CONTAINS SMALLER PUMPS SIZED FOR 85 GPM OF FLOW.
 4. PUMPS WILL PUMP DIRECTLY TO LEACHATE TANKS.
 5. INSTALL DUAL CONTAINMENT TERMINATION FITTINGS ON EACH PIPE AS IT ENTERS THE MANHOLES.
 6. PIPE PENETRATIONS IN MANHOLE ARE TO BE MADE WITH BOOTS OR ENGINEER APPROVED EQUAL.

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DETAIL - LEACHATE COLLECTION PIPING AND VAULTS
SCALE: 1/2"=1'-0"

SECTION OR DETAIL NO.
TARGET DRAWING
REFERENCE KEY

REVISION		DATE	REVISION		DATE
			0		FEBRUARY 2025
			ISSUED FOR CCR PERMIT APPLICATION		
BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR
BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR
JJM	KDL	-	-	-	-

Stantec Consulting Services, Inc. FOR					
GEORGIA POWER COMPANY					
PLANT HAMMOND — HUFFAKER ROAD COAL COMBUSTION RESIDUALS DISPOSAL FACILITY PARCELS C&D DETAILS					
SCALE	PROJ I.D.	DRAWING NUMBER	SH	CONTD	REV
AS SHOWN	175518236	-	33	FINAL	0



ISSUED FOR PERMIT

PLT DATE: 2/2/2025 USER: JVAUGHN/48471
\\US020PFS01\SS01\ISSUED_PROJECTS\175518236\TECHNICAL_PRODUCTION\DRAWINGS\REL_PERMITS\RESIDUALS\FILES\34_175518236_P-CD_DTT.DWG

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Pipe Diam.	Pipe Type	La	3Do	W	Rip Rap	Thick.	Filter Bedding Stone
12"	BCCMP	12'	3'	13'	N.S.A. #R-4	18"	N.S.A. #FS-2
24"	BCCMP	20'	6'	22'	N.S.A. #R-5	27"	N.S.A. #FS-2
30"	BCCMP	22'	7.5'	25'	N.S.A. #R-5	27"	N.S.A. #FS-2
36"	BCCMP	24'	9'	27'	N.S.A. #R-5	27"	N.S.A. #FS-2
42"	BCCMP	26'	10.5'	30'	N.S.A. #R-5	27"	N.S.A. #FS-2
48"	BCCMP	28'	12'	32'	N.S.A. #R-6	36"	N.S.A. #FS-3
60"	RCP	32'	15'	37'	N.S.A. #R-6	36"	N.S.A. #FS-3



	SEDIMENT BASIN 2	CLEAR POOL 2
TOP WIDTH OF BERM	A 8'	13'
EMERGENCY SPILLWAY FLOW DEPTH	B 0.5'	0.5'
STORAGE LEVEL - DIFFERENCE BETWEEN RISER AND EMER. SPILLWAY	C 1.0'	2.0'
TRASH RACK DIAMETER	D 66"	66"
RISER DIAMETER	E 48"	48"
RISER LENGTH (INCLUDES 9" INTO ANTIFLOTATION BLOCK)	F 4'-3"	4'-9"
PRINCIPAL SPILLWAY PIPE DIAMETER	G 36"	36"
CONCRETE ANTIFLOTAION BLOCK	H 84"x 84"x 18"	84"x 84"x 18"
LENGTH OF RISER ANCHORING BARS (REBAR)	I 78"	78"
LENGTH OF PRINCIPAL SPILLWAY PIPE	J 50'	80'
EMERGENCY SPILLWAY BOTTOM WIDTH	K 20'	20'
EMERGENCY SPILLWAY TOP WIDTH	L 32'	32'
ANTISEEP COLLAR	M 72" x 72"	72" x 72"
ELEVATION OF TOP OF BERM, FT MSL	N 650.0 ft	650.0 ft
ELEVATION OF EMERGENCY SPILLWAY CREST, FT MSL	O 648.0 ft	648.0 ft
ELEVATION OF TOP OF RISER, FT MSL	P 647.0 ft	646.0 ft
MAXIMUM SEDIMENT STORAGE ELEV., FT MSL	Q 644.0 ft	643.0 ft
ELEVATION OF PRINCIPAL SPILLWAY AT INLET, FT MSL (BOTTOM POND EL.)	R 643.5 ft	642.0 ft
ELEVATION OF PRINCIPAL SPILLWAY AT OUTLET, FT MSL	S 643.2 ft	641.5 ft
MAXIMUM VOLUME OF BASIN, CUBIC YARDS	T 13,826	1,330
MAXIMUM SEDIMENT STORAGE VOLUME, CUBIC YARDS	U 2,198	137
FREEBOARD	V 1.5'	1.5'
CLEAN OUT VOLUME, CUBIC YARDS	X 630	45
ELEVATION WHEN CLEANOUT REQUIRED	Y 643.2	642.3

	RISER CENTER		OUTLET DISCHARGE	
	NORTHING	EASTING	NORTHING	EASTING
SEDIMENT BASIN 2	1,564,614.75	1,954,174.68	1,564,574.44	1,954,189.65
CLEAR POOL 2	1,564,361.64	1,954,282.61	1,564,328.51	1,954,210.08



GEORGIA POWER COMPANY

SCALE	PROJECT	DRAWING NUMBER	SH	CONTD	REV
AS SHOWN	175518236	■	35	FINAL	0

REVISION		DATE		REVISION 0		DATE FEBRUARY 2025	
				ISSUED FOR CCR PERMIT APPLICATION			
BY	CHKD	CIVIL APPR	ELECT APPR	VC APPR	MECH APPR	MGR APPR	
JJM	KDL	—	✕	✕	✕	✕	

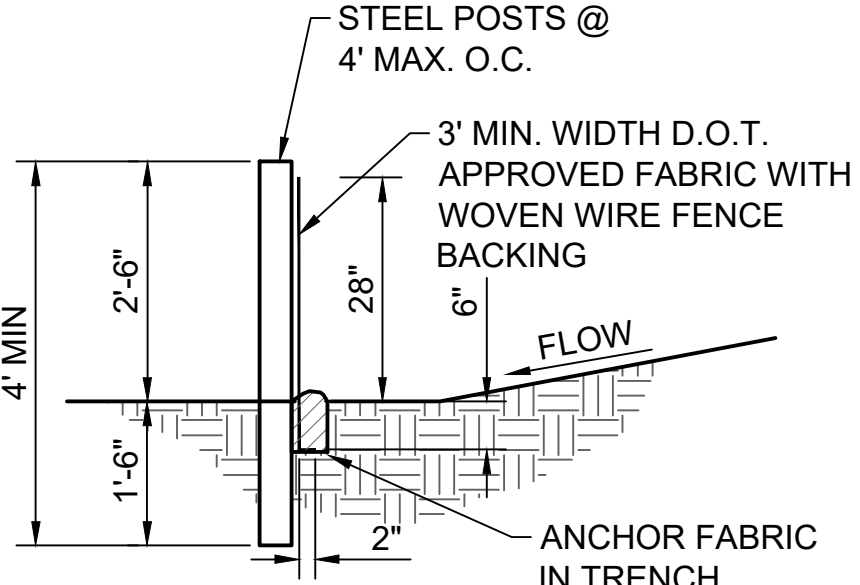
SECTION OR DETAIL NO.
TARGET DRAWING
REFERENCE KEY

PLT DATE: 02/05/2025 USER: JHUNNEY / JHUNY
USDAO APPR/SST ISSUED, PROJECT: 175518236 TECHNICAL PERMIT REVIEW SHEET FILES: 08, 10, 23, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

SILT FENCE NOTES

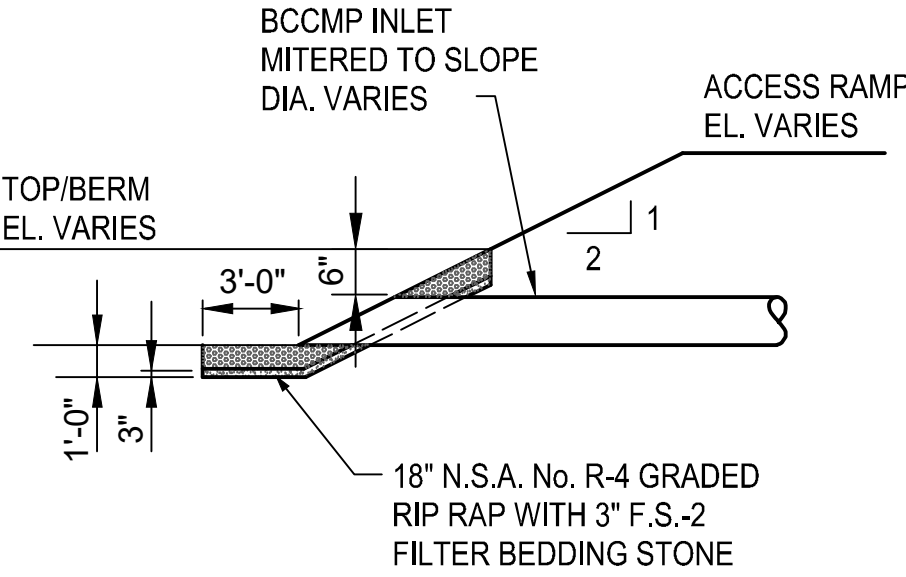
- ALL SILT FENCE SHOWN ON THE PLANS IS TO BE DOUBLE ROW TYPE "C" BARRIER. CONTRACTOR SHALL MAINTAIN FENCE AT THESE LOCATIONS DURING CONSTRUCTION OF CELLS UNTIL FINAL SURFACE TREATMENTS HAVE BEEN APPLIED AND A SUFFICIENT STAND OF GRASS HAS BEEN ESTABLISHED AS DETERMINED BY THE SITE ENGINEER.
- ADDITIONAL SILT FENCE SHALL BE REQUIRED IN AREAS WHICH ARE CLEARED OR GRADED AND DO NOT HAVE STORMWATER RUNOFF DIVERTED TO SEDIMENT BASINS MEETING THE CRITERIA LISTED IN THE TABLES. THE DRAINAGE AREA SHALL NOT EXCEED 1/4 ACRE FOR EVERY 100 FEET OF SILT FENCE.

CRITERIA FOR SILT FENCE PLACEMENT	
LAND SLOPE (PERCENT)	MAXIMUM LENGTH OF SLOPE ABOVE FENCE (FEET)
<2	100
2 TO 5	75
5 TO 10	50
10 TO 20	25
>20	15

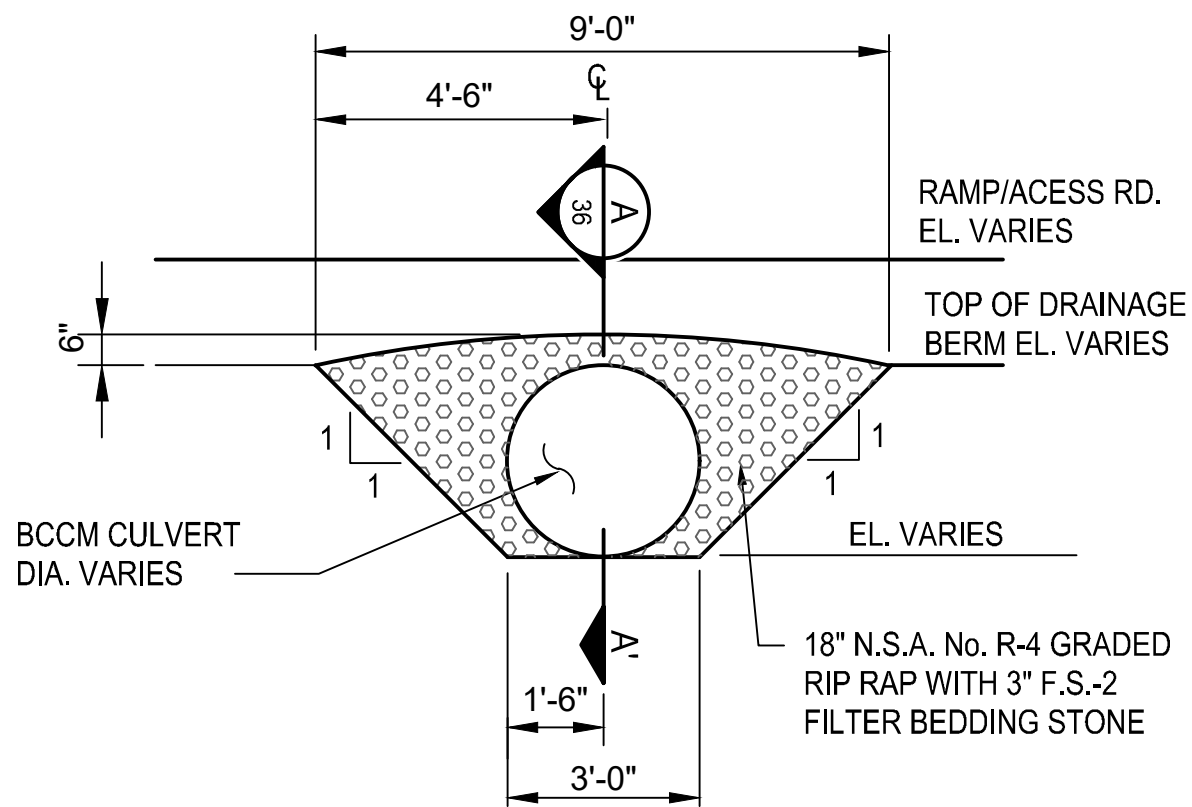


NOTE: THE SILT FENCE SHALL BE INSPECTED PERIODICALLY AND PROMPTLY REPAIRED OR REPLACED AS REQUIRED. FILTER FABRIC SHALL BE REPLACED WHENEVER IT HAS DETEIORATED TO SUCH AN EXTENT THAT IT REDUCES THE EFFECTIVENESS OF THE FABRIC.

1 DETAIL - TYPICAL SILT FENCE TYPE "C" NOT TO SCALE



A SECTION NOT TO SCALE

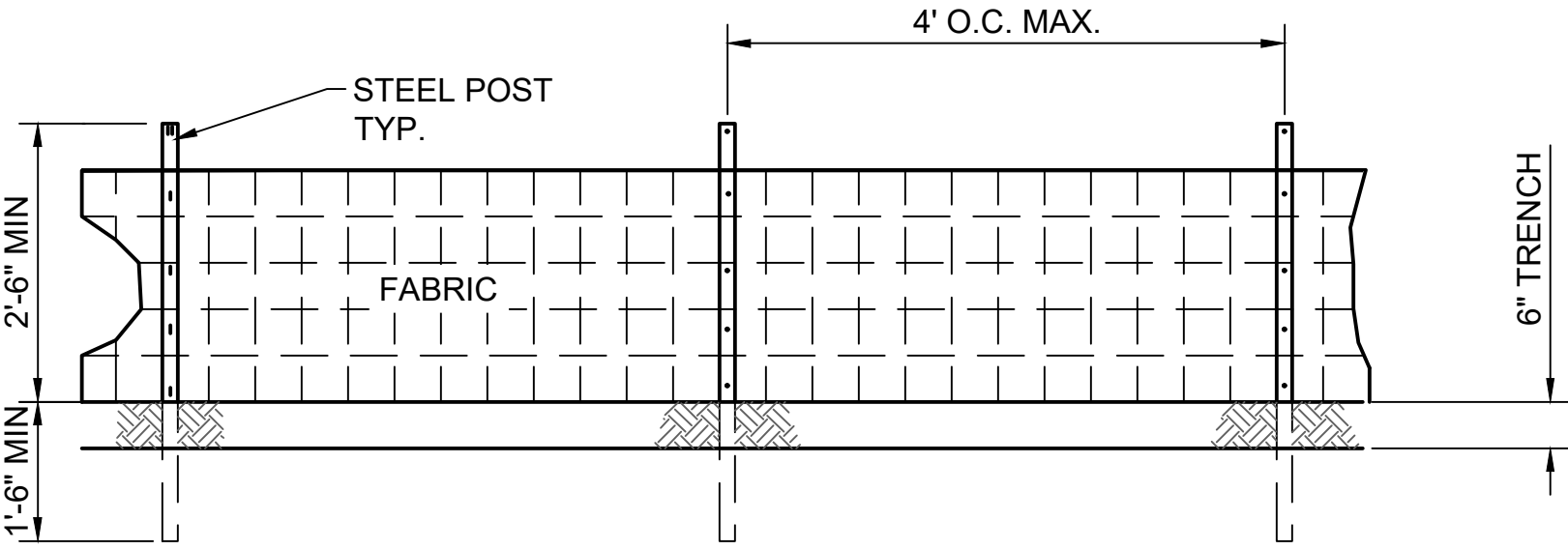


3 DETAIL - TYP. CULVERT INLET PROTECTION NOT TO SCALE

POSTS AND WOVEN WIRE SUPPORT:

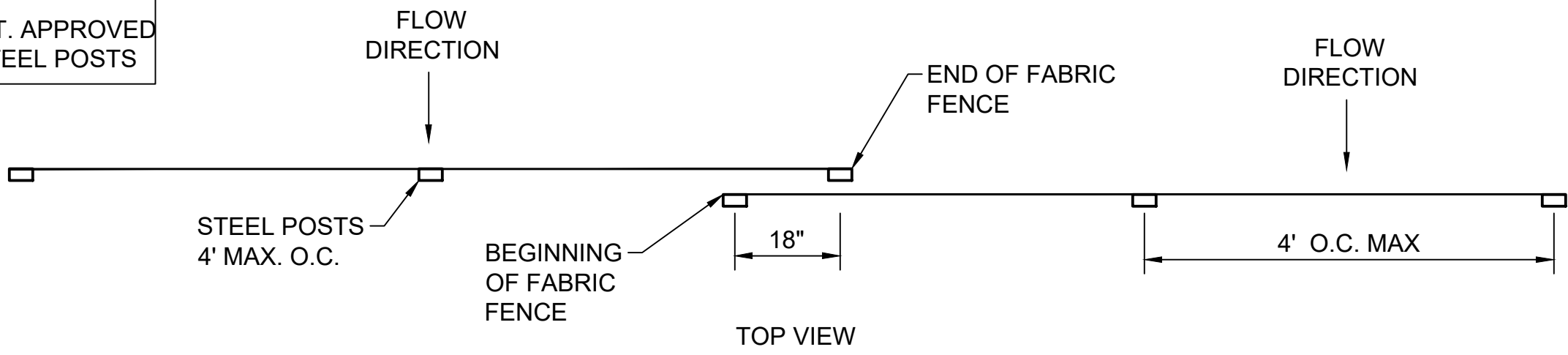
POSTS SHALL BE STEEL AND HAVE A MINIMUM LENGTH OF 4 FEET. POSTS SHALL BE "U", "T", OR "C" SHAPED, OR WOOD FOR TYPE A, AND HAVE A MINIMUM WEIGHT OF 1.3 POUNDS PER FOOT. THE POSTS SHALL HAVE PROJECTIONS FOR FASTENING THE WOVEN WIRE AND FILTER FABRIC. MAXIMUM POSTS SPACING SHALL BE 6 FEET FOR TYPE A OR 4 FEET FOR TYPE C. A WOVEN WIRE SUPPORT FENCE SHALL BE USED WITH TYPE "C" FENCE. THE WIRE FENCE FABRIC SHALL BE AT LEAST 36 INCHES HIGH AND SHALL HAVE AT LEAST 6 HORIZONTAL WIRES. VERTICAL WIRES SHALL HAVE A MAXIMUM SPACING OF 12 INCHES. THE TOP AND BOTTOM WIRES SHALL BE AT LEAST 10 GAUGE AND ALL OTHER WIRES SHALL BE AT LEAST 12 1/2 GAUGE.

FILTER FABRICS FOR TYPE "C" FENCES:
APPROVED SILT FENCE FABRICS ARE LISTED IN THE GEORGIA DEPARTMENT OF TRANSPORTATION QUALIFIED PRODUCTS LIST #36 (QPL-36).

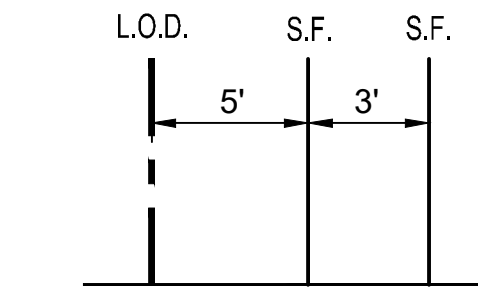


TYPICAL SILT FENCE FRONT VIEW NOT TO SCALE

NOTE: USE 36" G.D.O.T. APPROVED FABRIC USE STEEL POSTS



TYPICAL SILT FENCE TYPE C - OVERLAP DETAIL NOT TO SCALE



SILT FENCE SPACING NOT TO SCALE

INSTALLATION

- INSTALL WHERE SHEET FLOW CONDITIONS EXIST.
- WHERE NO SEDIMENT TRAP/STORMWATER DISPOSAL SYSTEM IS PRESENT, MAXIMUM SLOPE SHALL NOT EXCEED THOSE IN THE TABLE. ALSO, THE DRAINAGE AREA IS NOT TO EXCEED 1/4 ACRE PER 100 FEET OF SILT FENCE.
- APPROVED SILT FENCE FABRICS ARE LISTED IN THE GEORGIA DEPARTMENT OF TRANSPORTATION QUALIFIED PRODUCTS LIST #36 (QPL-36). VERIFY FABRIC BY INSPECTION OF FABRIC NAME PRINTED EVERY 100 FEET OF SILT FENCE.
- INSTALL ACCORDING TO APPROVED PLAN, AS SHOWN.
- INSTALL ALONG CONTOURS WITH ENDS POINTING UPHILL.
- DO NOT PLACE IN WATERWAYS OR AREAS OF CONCENTRATED FLOW.
- START POST INSTALLATION AT THE CENTER OF THE LOWEST POINT WITH REMAINING POSTS SPACED ACCORDING TO FIGURE.
- 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. AND THAT SUPPORT POST SPACING DOES NOT EXCEED 4 FT. FOR TYPE C & 6 FOR TYPE A.
- USE MINIMUM 18" OVERLAP AT FABRIC ENDS.
- USE A DOUBLE ROW OF TYPE "C" SILT FENCE ALONG STREAM BUFFERS AND OTHER SENSITIVE AREAS.
- A TRENCH 6 INCHES IN DEPTH SHALL BE EXCAVATED WITH EQUIPMENT SUCH AS A TRENCHING MACHINE OR MOTOR GRADER; OR, IF EQUIPMENT CANNOT BE OPERATED ON THE SITE, BY HAND.
- POST INSTALLATION SHALL START AT THE CENTER OF THE LOW POINT (IF APPLICABLE) WITH THE REMAINING POSTS SPACED A MAXIMUM OF 4 OR 6 FEET APART. POSTS SHALL BE INSTALLED WITH AT LEAST 18 INCHES IN THE GROUND. WHERE AN 18 INCH DEPTH IS IMPOSSIBLE TO ACHIEVE, THE POSTS SHALL BE ADEQUATELY SECURED TO PREVENT OVERTURNING OF THE FENCE DUE TO SEDIMENT LOADING.
- FILTER FABRIC SHALL BE ATTACHED TO THE POST BY WIRE, CORD, POCKETS, STAPLES, NAILS, OR OTHER ACCEPTABLE MEANS. THE FILTER FABRIC SHALL BE INSTALLED IN SUCH A MANNER THAT 8 INCHES OF FABRIC IS LEFT AT THE BOTTOM TO BE BURIED AND A MINIMUM OVERLAP OF 18 INCHES IS PROVIDED AT ALL SPLICE JOINTS. THE FABRIC SHALL BE INSTALLED IN THE TRENCH SUCH THAT 4 TO 6 INCHES OF FABRIC IS AGAINST THE SIDE OF THE TRENCH WITH 2 TO 4 INCHES OF FABRIC ACROSS THE BOTTOM IN THE UPSTREAM DIRECTION.

DEFINITION

A TEMPORARY GRADE CONTROL STRUCTURE, OR DAM CONSTRUCTED ACROSS A SWALE, DRAINAGE DITCH, OR AREA OF CONCENTRATED FLOW.

CONDITIONS

THIS PRACTICE IS APPLICABLE FOR USE IN SMALL OPEN CHANNELS AND IS NOT TO BE USED IN A LIVE STREAM. SPECIFIC APPLICATIONS INCLUDE:

- TEMPORARY OR PERMANENT SWALES OR DITCHES IN NEED OF PROTECTION DURING ESTABLISHMENT OF GRASS LININGS.
- TEMPORARY OR PERMANENT SWALES OR DITCHES WHICH, DUE TO THEIR SHORT LENGTH OF SERVICE OR OTHER REASONS, CANNOT RECEIVE A PERMANENT NON-ERODIBLE LINING FOR AN EXTENDED PERIOD OF TIME.
- OTHER LOCATIONS WHERE SMALL LOCALIZED EROSION AND RESULTING SEDIMENTATION PROBLEMS EXIST.

SPECIFICATIONS:

THE FOLLOWING TYPES OF CHECK DAMS ARE USED FOR THIS STANDARD:

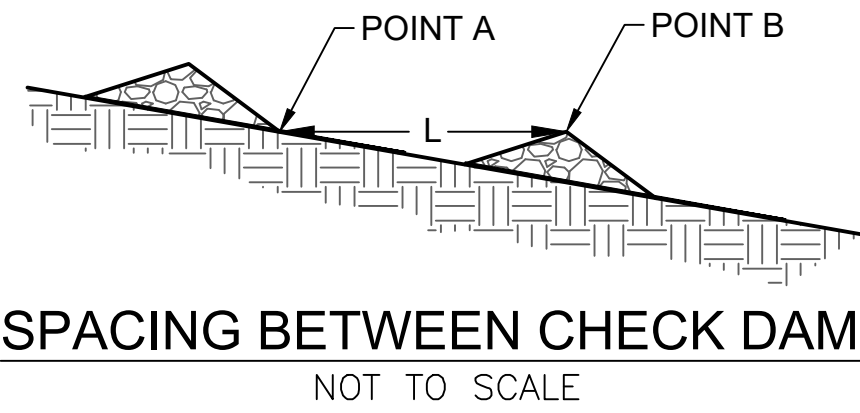
STONE CHECK DAM

STONE CHECK DAMS SHOULD BE CONSTRUCTED OF GRADED SIZE 2-10 INCH STONE. MECHANICAL OR HAND PLACEMENT SHALL BE REQUIRED TO ENSURE COMPLETE COVERAGE OF THE ENTIRE WIDTH OF DITCH OR SWALE AND THAT CENTER OF THE DAM IS LOWER THAN THE EDGES. THE CENTER OF THE CHECK DAM MUST BE AT LEAST 9 INCHES LOWER THAN THE OUTER EDGES.

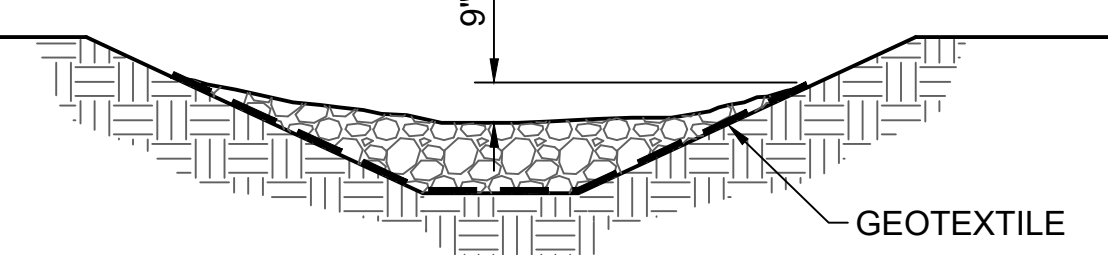
A = THE TOE OF THE UPSTREAM CHECK DAM.

B = TOP OF THE DOWNSTREAM CHECK DAM.

L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION.



SPACING BETWEEN CHECK DAMS NOT TO SCALE



CROSS SECTION NOT TO SCALE

2 DETAIL - CHECK DAM - STONE CHECK DAM NOT TO SCALE

SPACING:

TWO OR MORE CHECK DAMS IN A SERIES SHALL BE USED FOR DRAINAGE AREAS GREATER THAN ONE (1) ACRE. MAXIMUM SPACING BETWEEN DAMS SHOULD BE SUCH THAT THE TOE OF THE UPSTREAM DAM IS AT THE SAME ELEVATION AS THE TOP OF THE DOWNSTREAM DAM.

GEOTEXTILES:

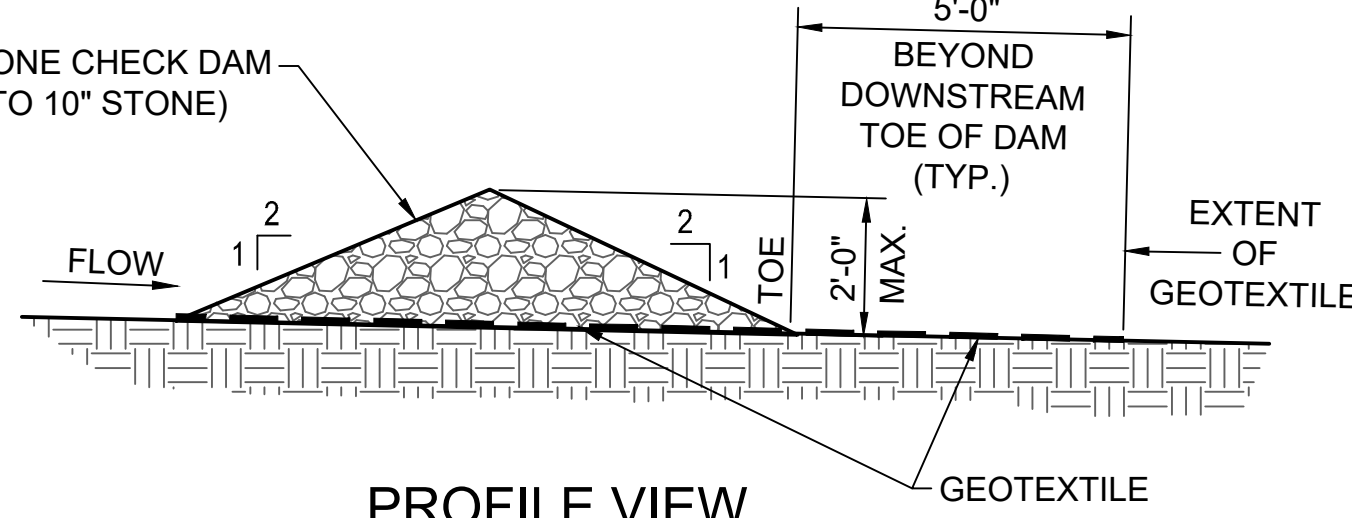
A GEOTEXTILE SHOULD BE USED AS A SEPARATOR BETWEEN THE GRADED STONE AND THE SOIL BASE AND ABUTMENTS. THE GEOTEXTILE WILL PREVENT THE MIGRATION OF SOIL PARTICLES FROM THE SUBGRADE INTO THE GRADED STONE. THE GEOTEXTILE SHALL BE SELECTED/SPECIFIED IN ACCORDANCE WITH AASHTO M288-96 SECTION 7.3, *SEPARATION REQUIREMENTS*, TABLE 3. GEOTEXTILES SHALL BE "SET" INTO THE SUBGRADE SOILS. THE GEOTEXTILE SHALL BE PLACED IMMEDIATELY ADJACENT TO THE SUBGRADE WITHOUT ANY VOIDS AND EXTEND FIVE FEET BEYOND THE DOWNSTREAM TOE OF THE DAM TO PREVENT SCOUR.

MAINTENANCE:

PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED. SEDIMENT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF ONE-HALF THE ORIGINAL DAM HEIGHT OR BEFORE. IF THE AREA IS TO BE MOWED, CHECK DAMS SHALL BE REMOVED ONCE FINAL STABILIZATION HAS OCCURRED. OTHERWISE, CHECK DAMS MAY REMAIN IN PLACE PERMANENTLY. AFTER REMOVAL, THE AREA BENEATH THE DAM SHALL BE SEEDED AND MULCHED IMMEDIATELY.

NOTES:

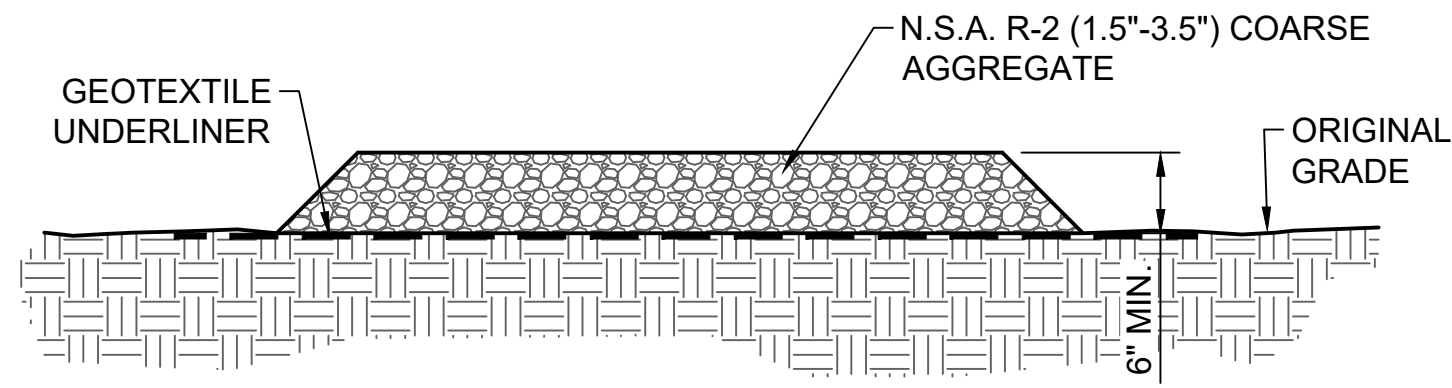
- CHECK DAMS ARE TO BE USED ONLY IN SMALL OPEN CHANNELS (THEY ARE NOT TO BE USED IN LIVE STREAMS).
- THE DRAINAGE AREA FOR STONE CHECK DAMS SHALL NOT EXCEED TWO ACRES.
- THE CENTER OF THE CHECK DAM MUST BE AT LEAST 9 INCHES LOWER THAN THE OUTER EDGES.
- THE DAM HEIGHT SHOULD BE A MAXIMUM OF 2 FEET FROM CENTER TO RIM EDGE.
- THE SIDE SLOPES OF THE CHECK DAM SHALL NOT EXCEED A 2:1 SLOPE.
- 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).



PROFILE VIEW NOT TO SCALE

NOTES:

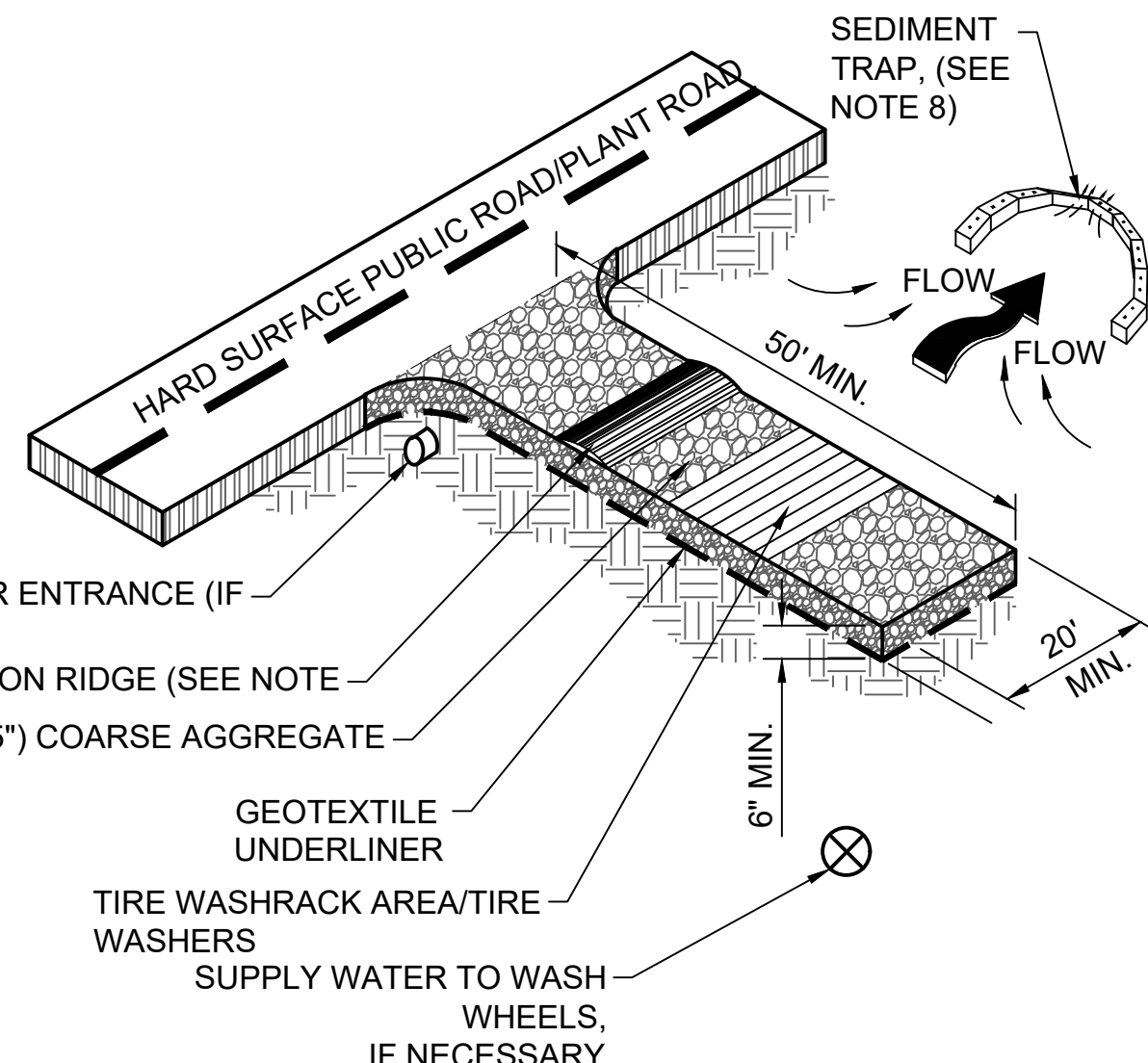
- AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
- REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
- AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
- GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
- PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
- A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
- INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
- 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).
- 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.



ENTRANCE ELEVATION

5 DETAIL - CRUSHED STONE CONSTRUCTION EXIT NOT TO SCALE

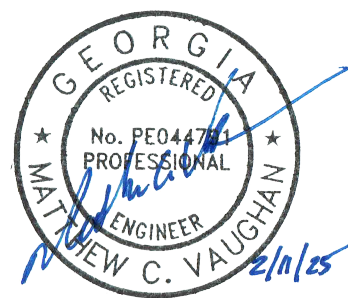
- MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.



EXIT DIAGRAM

REFERENCES:

- MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, LATEST EDITION.
- FOR A COMPLETE DRAWING LIST SEE SHEET 1.



ISSUED FOR PERMIT

Stantec Consulting Services, Inc.
FOR

GEORGIA POWER COMPANY

PLANT HAMMOND — HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
PARCELS C&D
DETAILS

REVISION	DATE	REVISION	DATE
		0	FEBRUARY 2025
		ISSUED FOR CCR PERMIT APPLICATION	
BY	CHKD	CIVL APPR	ELECT APPR
BY	CHKD	CIVL APPR	ELECT APPR
JUM	KDL		
SCALE	PROJ. I.D.	DRAWING NUMBER	SH
AS SHOWN	175518236		36
CONTD	REV		

PLT DATE: 2/2/25 USER: JHUNNEY /HWY
USDAO APPRST ISSUED, PROJECT 175518236 TECHNICAL PERMIT DRAWING SHEET FILES: 07_18236_18186_P&CD.DWG

F

E

D

C

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A

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C

B

A

NOTE:
STAPLE PATTERNS ARE DEPENDENT
ON SITE CONDITIONS. SEE STAPLE
PATTERN FOR DETAILS.

CHANNEL TRENCH,
SEE DETAIL

CHANNEL BLANKET
END OF ROLL OVERLAP
NOT TO SCALE

CHANNEL TRENCH,
SEE DETAIL

CHANNEL BLANKET END
OF ROLL OVERLAP,
SEE DETAIL

CHANNEL BLANKET END
OF ROLL OVERLAP
(3' MIN. STAGGERED),
SEE DETAIL

"RECYCLEX" TRM AS MANUFACTURED
BY AMERICAN EXCELSIOR CO. OR
APPROVED ALTERNATE

TRENCH APPROX.
10" WIDE x 8" DEEP

STEP 1

STEP 2

SLOPE TRENCH
NOT TO SCALE

NOTE:
STAPLE PATTERNS ARE DEPENDENT ON
SITE CONDITIONS.
SEE STAPLE PATTERN FOR DETAILS.

2
37
DETAIL - PERIMETER DITCH LINER
NOT TO SCALE

1
37
DETAIL - EMERGENCY SPILLWAY DITCH LINER
NOT TO SCALE

SECTION 2-2
NOT TO SCALE

SECTION 1-1
NOT TO SCALE

CHANNEL TERMINATION PLAN
NOT TO SCALE

CHANNEL TERMINATION
NOT TO SCALE

- REFERENCES:
1. MANUAL FOR EROSION AND SEDIMENT CONTROL IN
GEORGIA, LATEST EDITION.
 2. FOR A COMPLETE DRAWING LIST SEE SHEET 1.



STAPLE PATTERN
NOT TO SCALE

NOTE:
FOR COHESIVE SOIL USE
A 6"x1"x8" 11 GAUGE WIRE
STAPLE AND FOR NON-
COHESIVE SOIL USE A
8"x2"x8" 11 GAUGE WIRE
STAPLE.

END OF ROLL OVERLAP
NOT TO SCALE

SIDE SEAM OVERLAP
STAPLE DETAIL
NOT TO SCALE

BOTTOM OF SLOPE TERMINATION
NOT TO SCALE

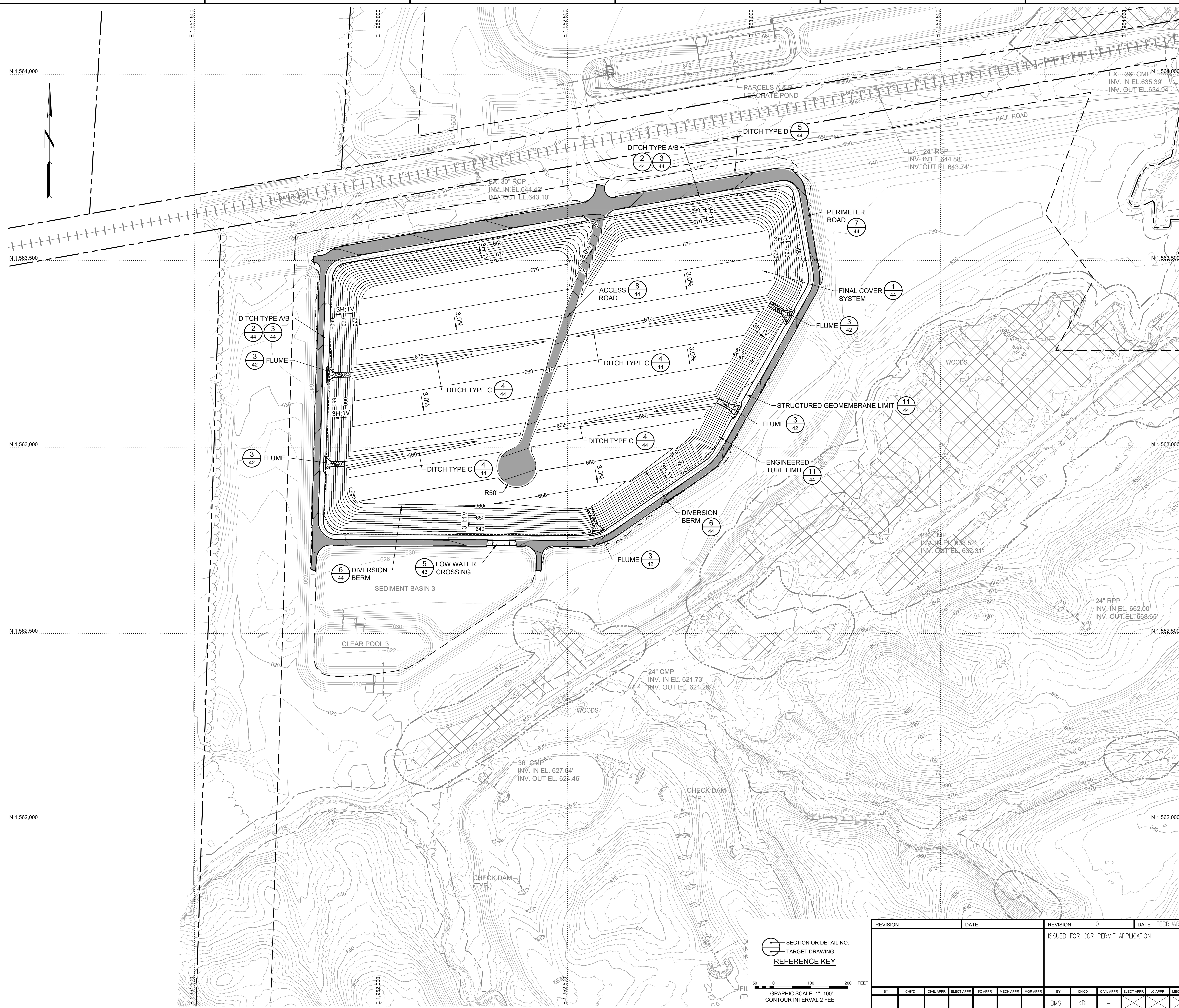
SECTION OR DETAIL NO.
TARGET DRAWING
REFERENCE KEY

ISSUED FOR PERMIT

REVISION		DATE					REVISION		0		DATE					FEBRUARY 2025	
							ISSUED FOR CCR PERMIT APPLICATION										
BY	CHKD	CIVL APPR	ELECT APPR	IC APPR	MECH APPR	MSR APPR	BY	CHKD	CIVL APPR	ELECT APPR	IC APPR	MECH APPR	MSR APPR				
							JJM	KDL	—								

Stantec Consulting Services, Inc. FOR					
GEORGIA POWER COMPANY					
PLANT HAMMOND — HUFFAKER ROAD COAL COMBUSTION RESIDUALS DISPOSAL FACILITY PARCELS C&D DETAILS					
SCALE	PROJ. I.D.	DRAWING NUMBER	SH	CONTD	REV
AS SHOWN	175518236	-	37	FINAL	0
























MAPPING SOURCE NOTES:

1. TOPOGRAPHIC AND PLANIMETRIC SURVEY INFORMATION FOR THE PLANS WERE OBTAINED FROM SURVEYS PERFORMED BY SOUTHERN COMPANY SERVICES, INC. DATED MARCH 2008 AND JANUARY 2016, AND CONTOURS OBTAINED FROM DIGITAL TERRAIN MODELS OF AERIAL LIDAR SURVEYS DATED NOVEMBER 2018 AND FEBRUARY 2022, SUPPLEMENTED WITH AERIAL LIDAR SURVEYS DATED JANUARY 2021, APRIL 2022, AND AUGUST 2022.
2. ALL COORDINATES ARE BASED ON NORTH AMERICAN DATUM 83 (NAD 83), GEORGIA STATE PLANE, WEST ZONE. ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88).

NOTES:

1. THE PROPOSED CONTOURS SHOWN REPRESENT THE TOP OF THE CLOSURE CAP SYSTEM.
2. THE BASEMAP HAS BEEN MODIFIED TO REFLECT A MERGE OF EXISTING CONDITIONS AND TOP OF SUBGRADE DESIGN SURFACES.

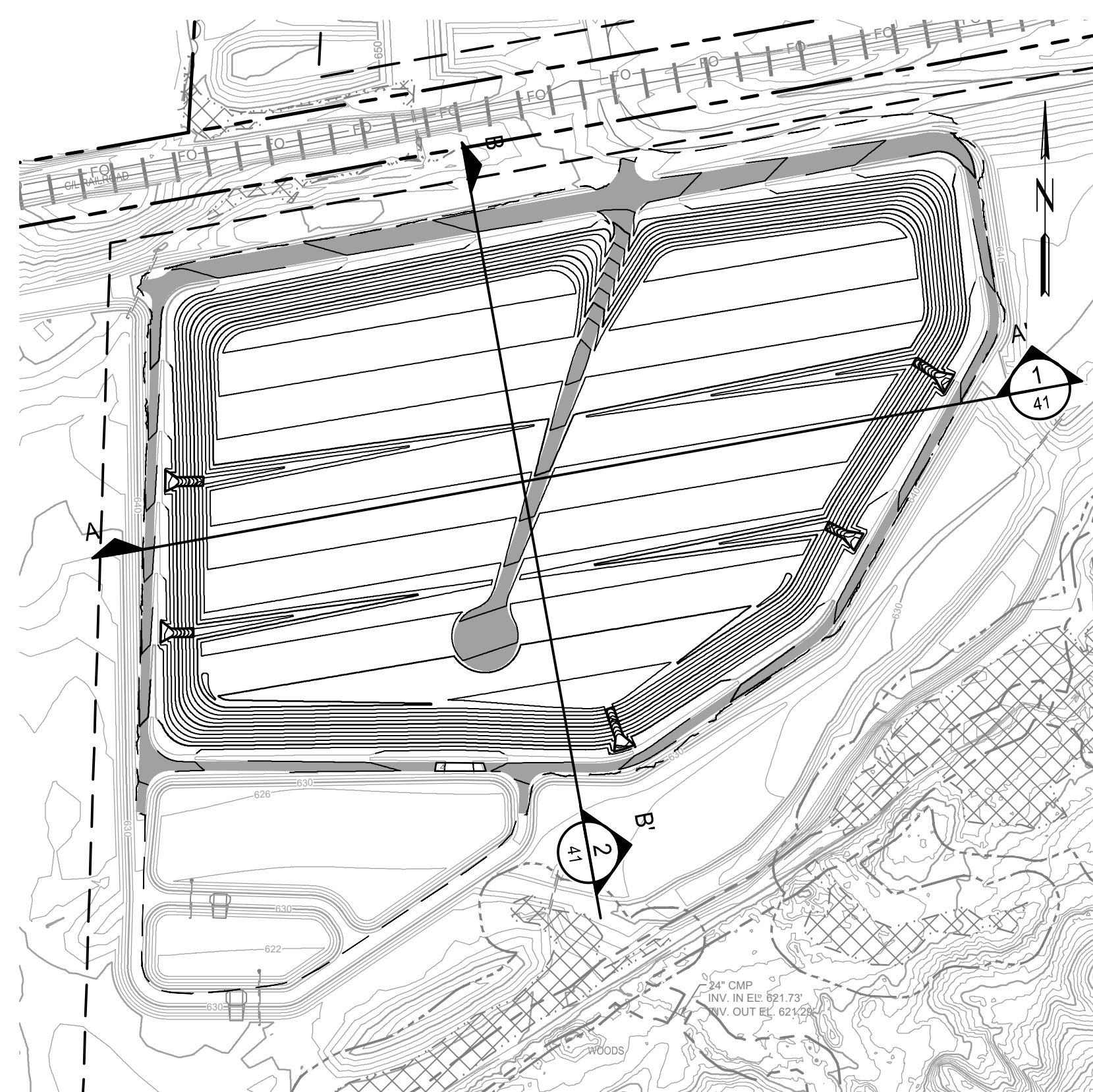
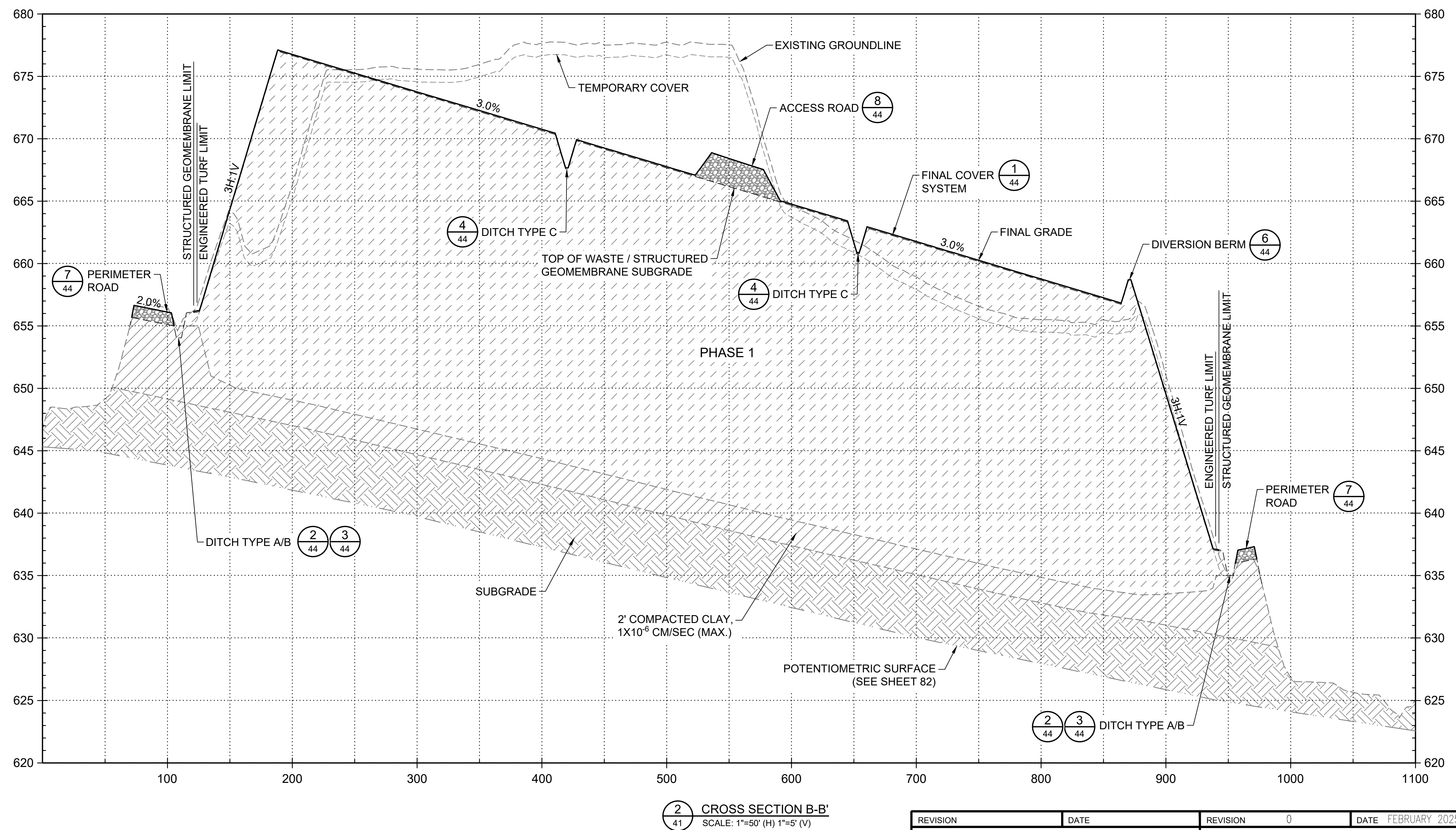
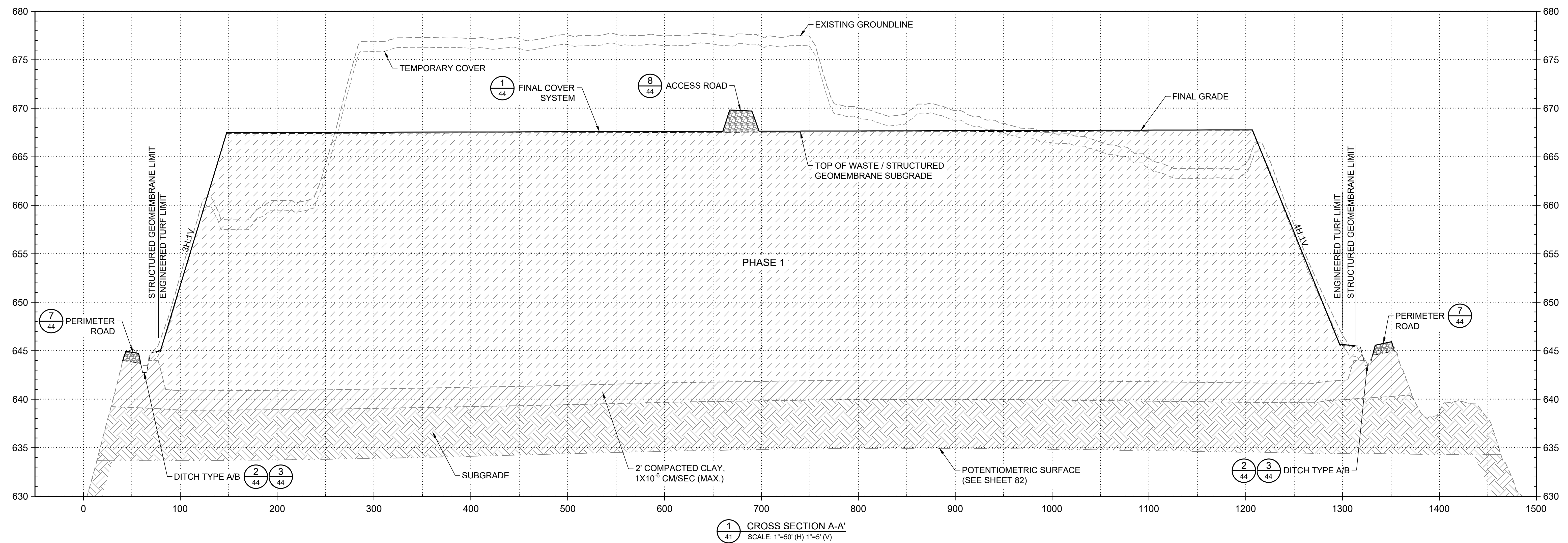
LEGEND	
	EXISTING INDEX CONTOUR
	EXISTING INTERMEDIATE CONTOUR
	BASLINE
	ELECTRIC LINE
	FIBER OPTIC LINE
	RAILROAD
	WETLANDS BUFFER
	STREAM BUFFER
	POWER POLE
	SURVEY IRON PIN
	SURVEY CONTROL MONUMENT
	PROPOSED INDEX CONTOUR
	PROPOSED INTERMEDIATE CONTOUR
	PROPERTY LINE
	PROPERTY LINE BUFFER
	LIMITS OF CONSTRUCTION
	WETLANDS
	RIPRAP
	ROAD

ISSUED FOR PERMIT

<p>Stanfec Consulting Services, Inc.</p> <p>FOR</p>
<p>GEORGIA POWER COMPANY</p>
<p>PLANT HAMMOND — HUFFAKER ROAD COAL COMBUSTION RESIDUALS DISPOSAL FACILITY PARCEL E FINAL GRADE PLAN</p>


REVISION		DATE		REVISION 0		DATE FEBRUARY 2025	
				ISSUED FOR CCR PERMIT APPLICATION			

SCALE	PROJ ID	DRAWING NUMBER	SH	CONTD
AS SHOWN	175518236		39	FINAL



KEY PLAN
SCALE: 1"=200'

100 0 200 400 FEET
GRAPHIC SCALE: 1"=200'
CONTOUR INTERVAL 2 FEET


 SECTION OR DETAIL NO
 TARGET DRAWING
 REFERENCE KEY


REVISION		DATE		REVISION 0		DATE FEBRUARY 2025		GEORGIA POWER COMPANY PLANT HAMMOND – HUFFAKER ROAD COAL COMBUSTION RESIDUALS DISPOSAL FACILITY PARCEL E CROSS SECTIONS											
				ISSUED FOR CCR PERMIT APPLICATION															
BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR	MGR APPR	BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR	MGR APPR	SCALE	PROJ I.D.	DRAWING NUMBER	SH	CONTD	REV
							BMS	KDL	—					AS SHOWN	175518236	—	41	FINAL	0

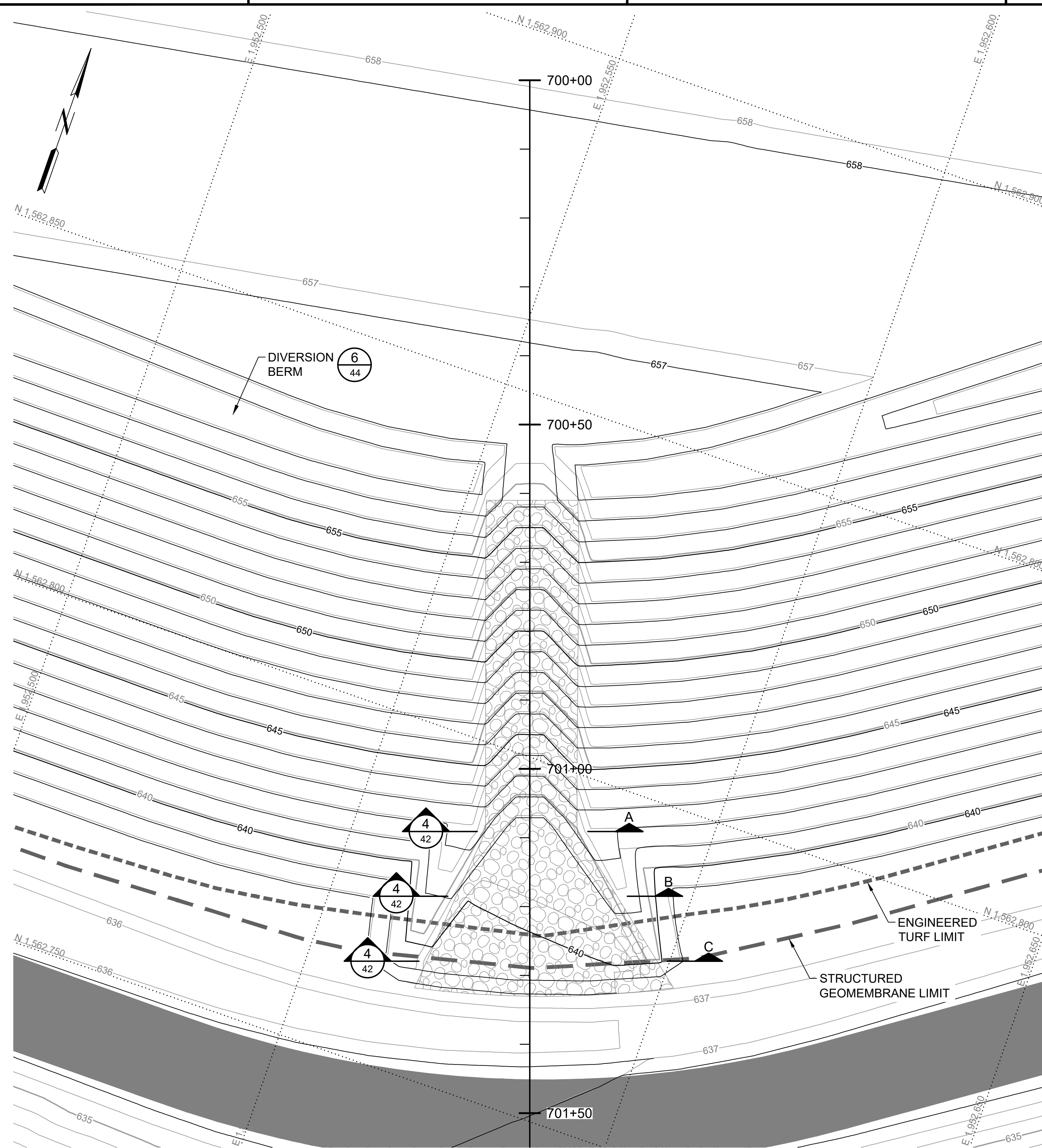
NOTES:

1. THE ILLUSTRATED COMPACTED CLAY LAYER IS BASED ON CONTOURS SHOWN ON SHEET 38.
2. CROSS SECTION MAY BE SKEWED TO THE GRADING. SEE FINAL GRADE PLAN FOR DESIGN SLOPES.

ISSUED FOR PERMIT

Stantec Consulting Services, Inc.
FOR
GEORGIA POWER COMPANY
PLANT HAMMOND – HUFFAKER ROAD
COMBUSTION RESIDUALS DISPOSAL FACILITY
PARCEL E
CROSS SECTIONS






MAPPING SOURCE NOTES:

1. TOPOGRAPHIC AND PLANIMETRIC SURVEY INFORMATION FOR THE PLANS WERE OBTAINED FROM SURVEYS PERFORMED BY SOUTHERN COMPANY SERVICES, INC. DATED MARCH 2008 AND JANUARY 2016, AND CONTOURS OBTAINED FROM DIGITAL TERRAIN MODELS OF AERIAL LIDAR SURVEYS DATED NOVEMBER 2019 AND FEBRUARY 2022, SUPPLEMENTED WITH AERIAL LIDAR SURVEYS DATED JANUARY 2021, APRIL 2022, AND AUGUST 2022.
2. ALL COORDINATES ARE BASED ON NORTH AMERICAN DATUM 83 (NAD 83), GEORGIA STATE PLANE, WEST ZONE. ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88).

NOTE:
THE TRANSITION FROM DETAIL 3 OF 11 TO SECTION A-A'
OCCURS JUST AFTER THE SLOPE TRANSITION FROM A 3H:1V

NOTE:
STATIONING PROVIDED FOR PROFILE AND
DETAIL CLARITY.

10 0 20 40 FEET
GRAPHIC SCALE: 1"=20'
CONTOUR INTERVAL 1 FOOT



ISSUED FOR PERMIT

Stantec Consulting Services, Inc.
FOR

GEORGIA POWER COMPANY
PLANT HAMMOND – HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
PARCEL E
DETAILS

REVISION		DATE		REVISION 0		DATE FEBRUARY 2025	
				ISSUED FOR CCR PERMIT APPLICATION			
BY	CHKD	CIVIL APPR	ELECT APPR	UC APPR	MECH APPR	MGR APPR	
BY	CHKD	CIVIL APPR	ELECT APPR	UC APPR	MECH APPR	MGR APPR	
BMS	KDL	—					

SCALE	PROJ. I.D.	DRAWING NUMBER	SH	CONTD
AS SHOWN	175518236		42	FINAL

PLT DATE: 10/20/2024 USER: JIMMY LUGGESS APP: 1501 DRAWN: JIMMY LUGGESS CHECKED: JIMMY LUGGESS DESIGNED: JIMMY LUGGESS CADD: JIMMY LUGGESS PLOT DATE: 10/20/2024 USER: JIMMY LUGGESS APP: 1501 DRAWN: JIMMY LUGGESS CHECKED: JIMMY LUGGESS DESIGNED: JIMMY LUGGESS CADD: JIMMY LUGGESS

F

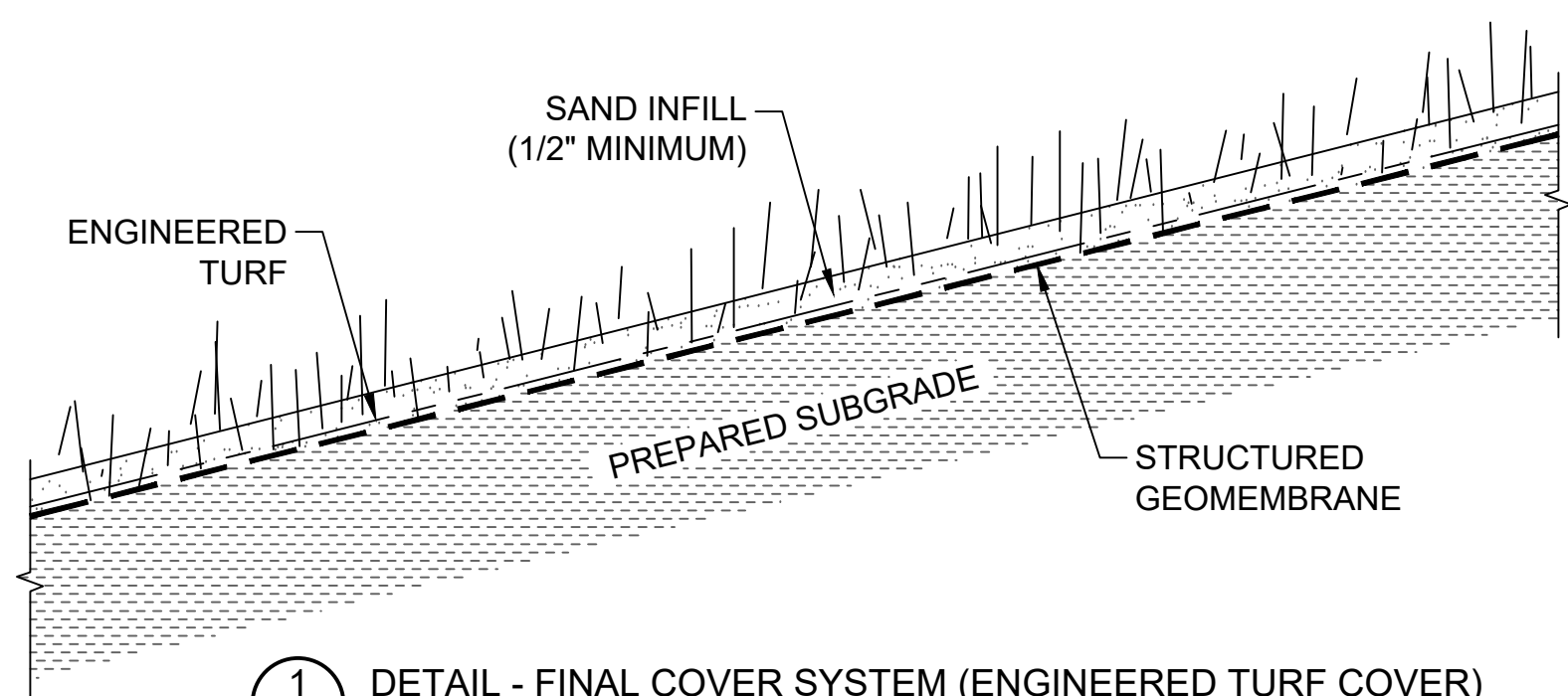
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D

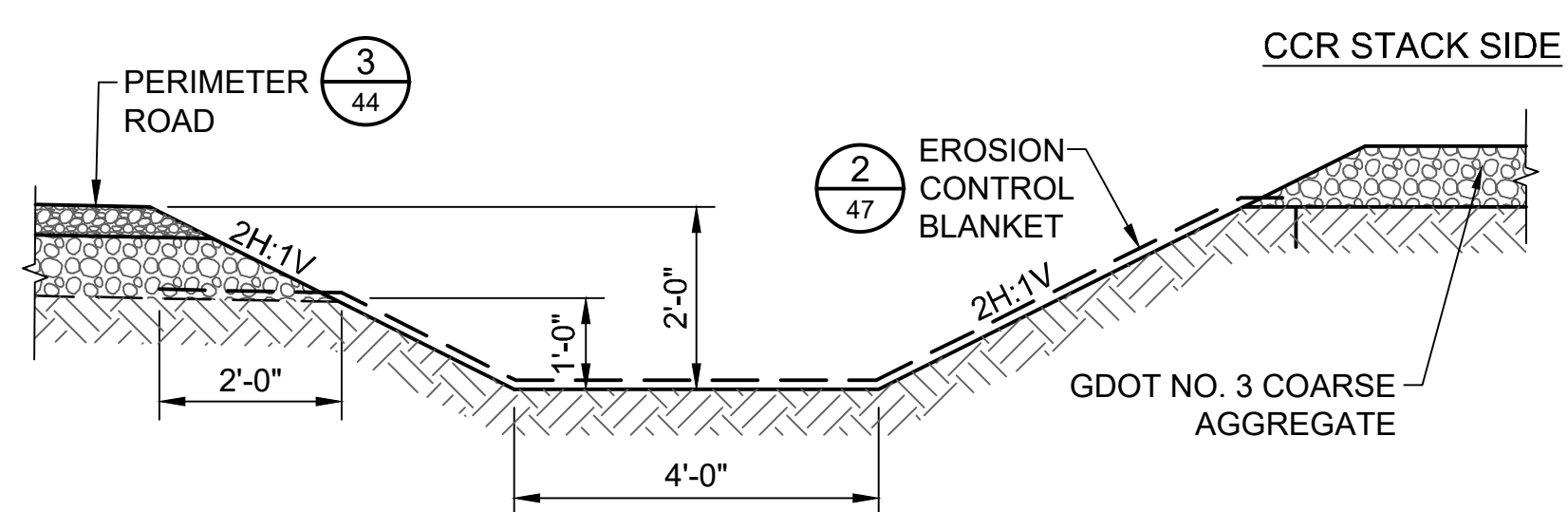
C

B

A

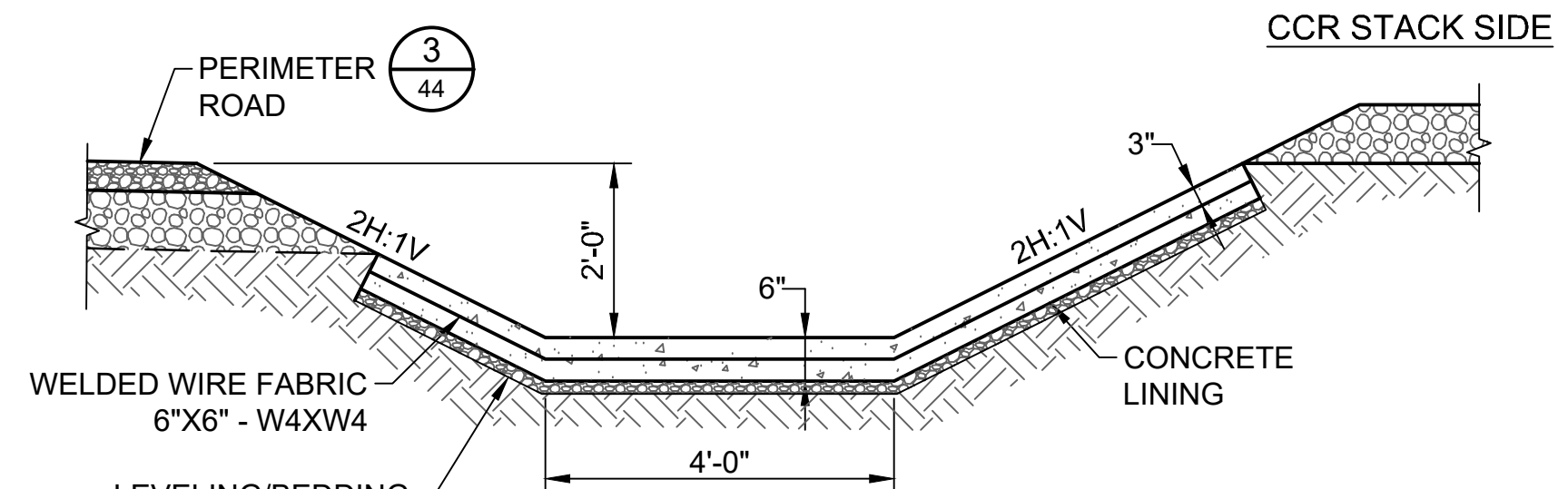


1
44
DETAIL - FINAL COVER SYSTEM (ENGINEERED TURF COVER)
NOT TO SCALE



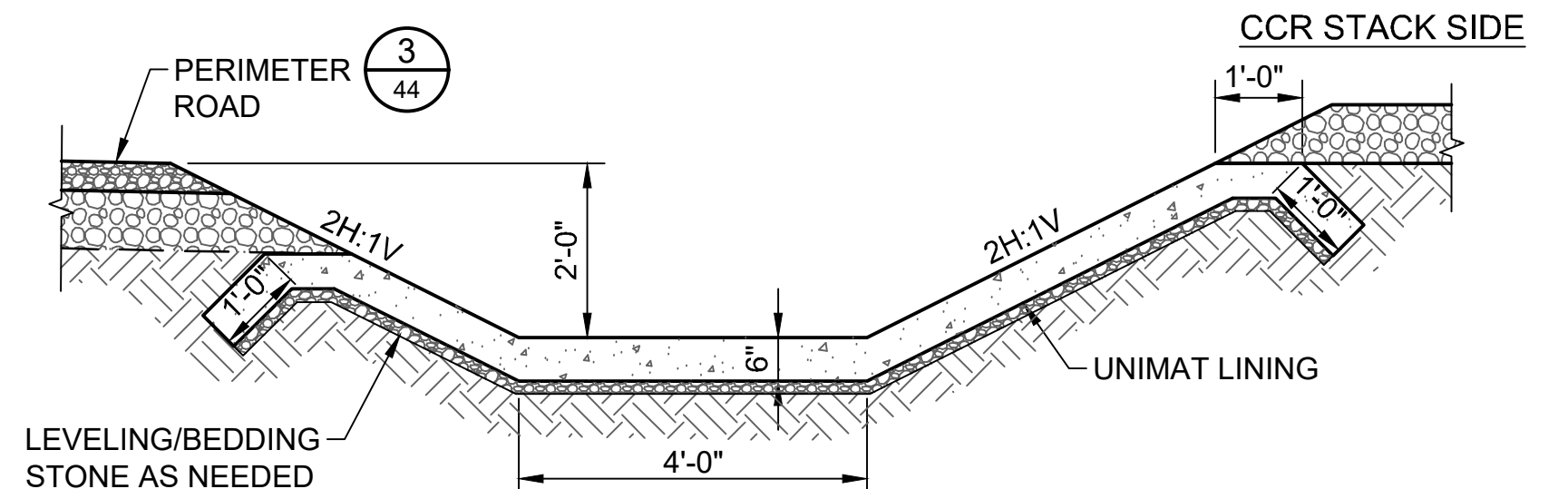
NOTE:
DITCH TYPE A TO BE REVEGETATED FOLLOWING
RESHAPING/REGRAIDING TO THE ILLUSTRATED
CONFIGURATION.

2
44
DETAIL - DITCH TYPE A
SCALE: 1/2"=1'-0"

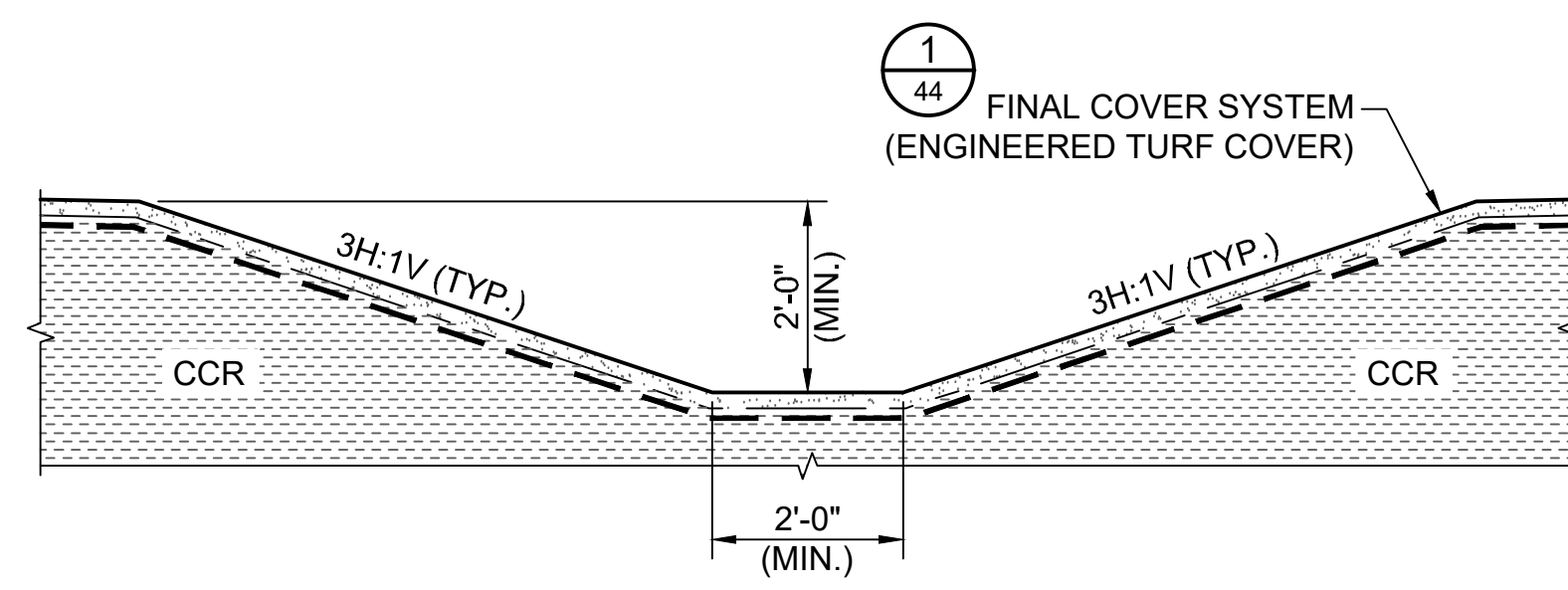


OPTION 1 - CONCRETE LINING

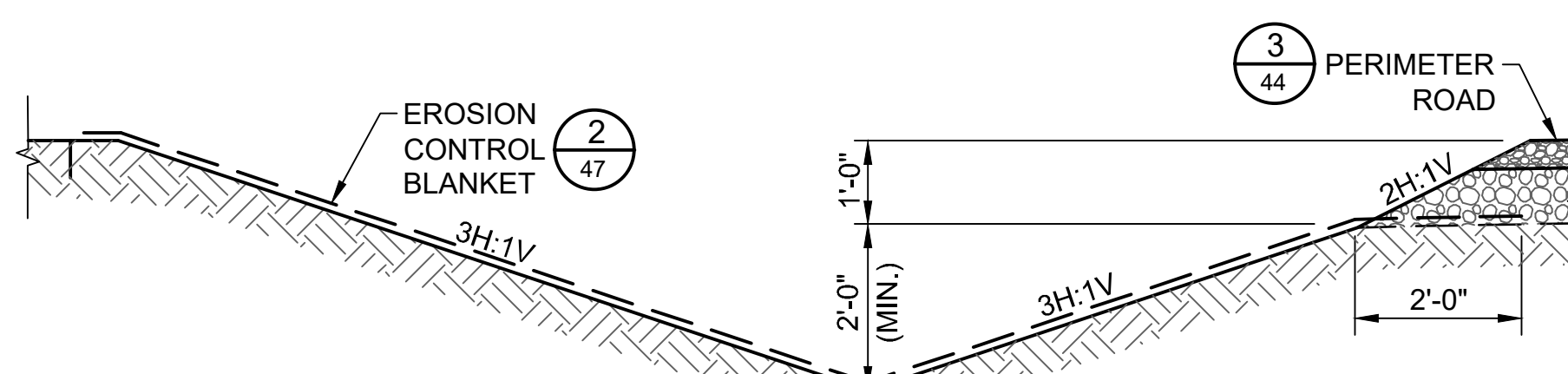
3
44
DETAIL - DITCH TYPE B
SCALE: 1/2"=1'-0"



OPTION 2 - UNIMAT LINING

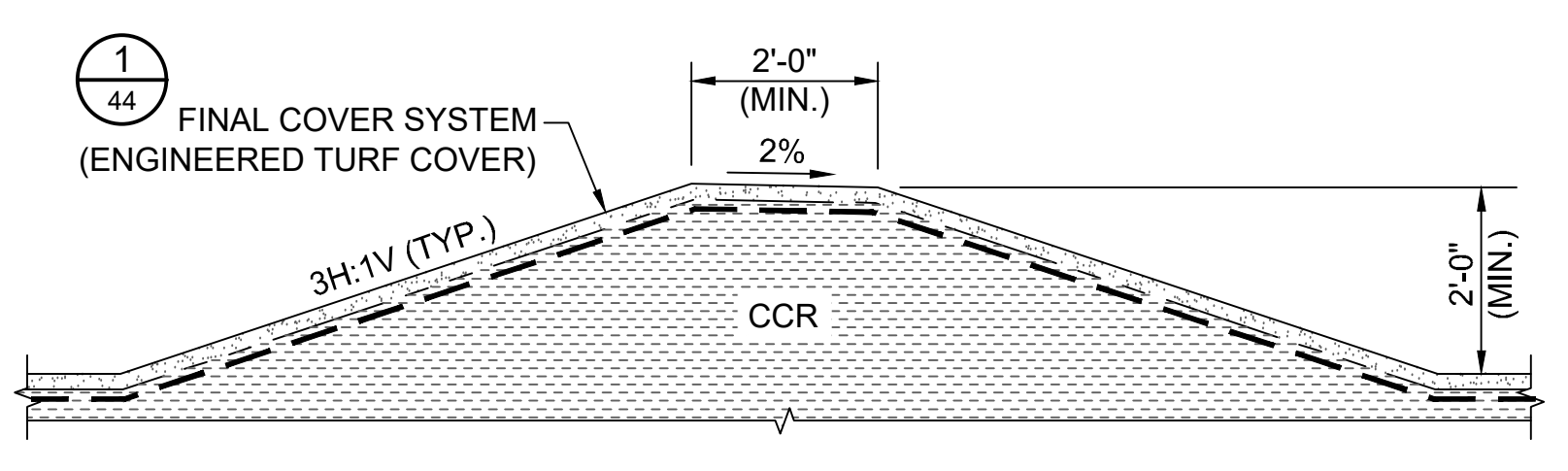


4
44
DETAIL - DITCH TYPE C
SCALE: 1/2"=1'-0"

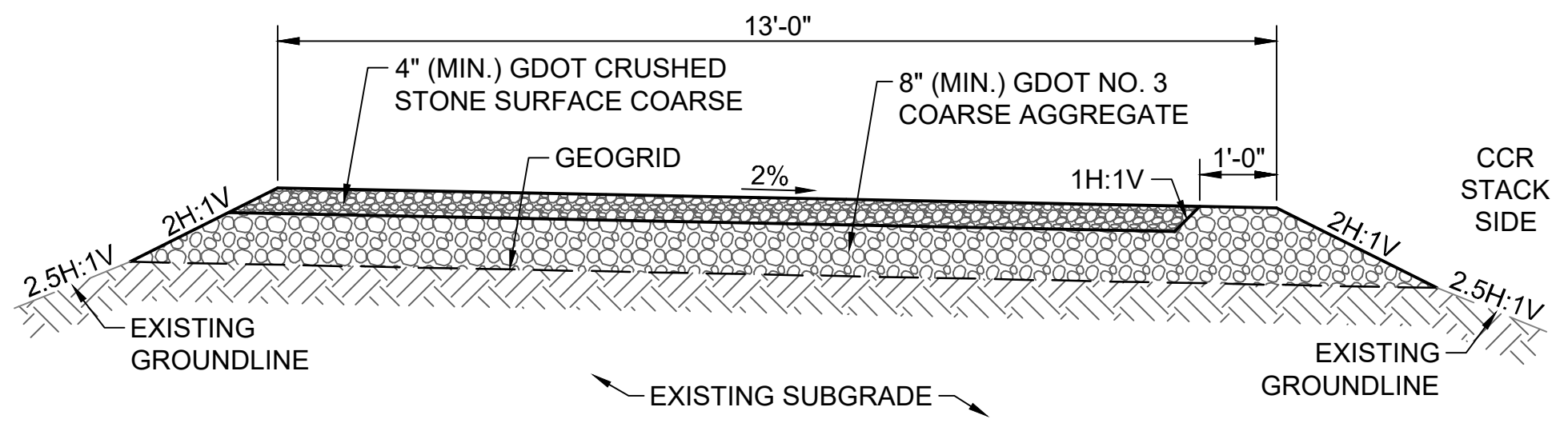


NOTE:
DITCH TYPE D TO BE REVEGETATED FOLLOWING
RESHAPING/REGRAIDING TO THE ILLUSTRATED
CONFIGURATION.

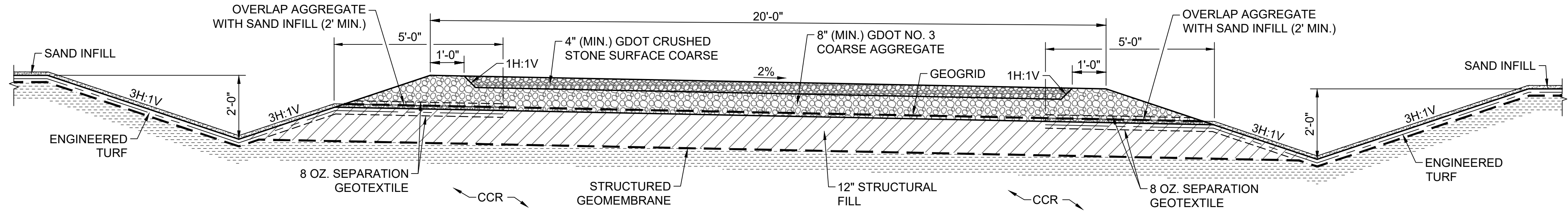
5
44
DETAIL - DITCH TYPE D
SCALE: 1/2"=1'-0"



6
44
DETAIL - DIVERSION BERM
SCALE: 1/2"=1'-0"

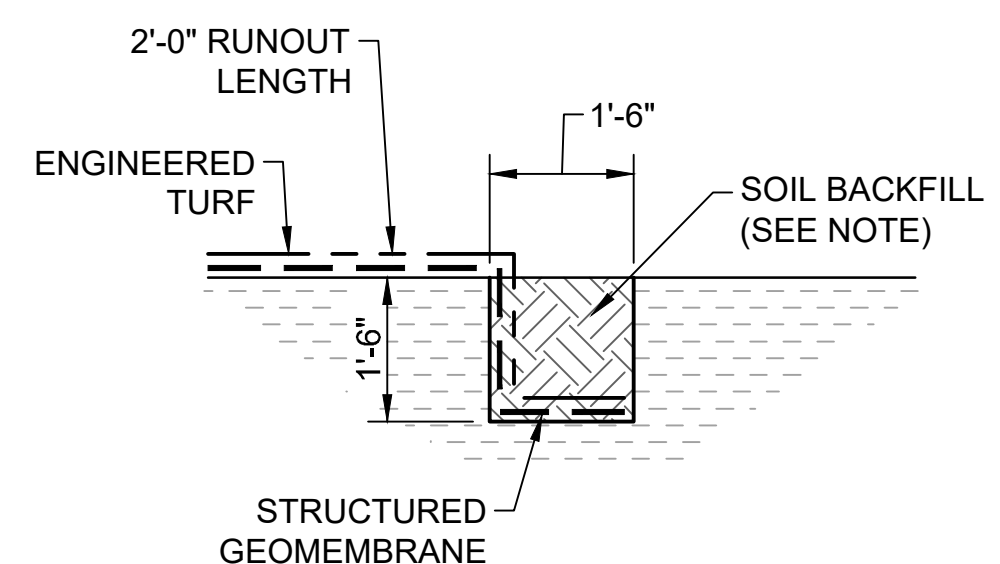


7
44
DETAIL - PERIMETER ROAD
SCALE: 1/2"=1'-0"



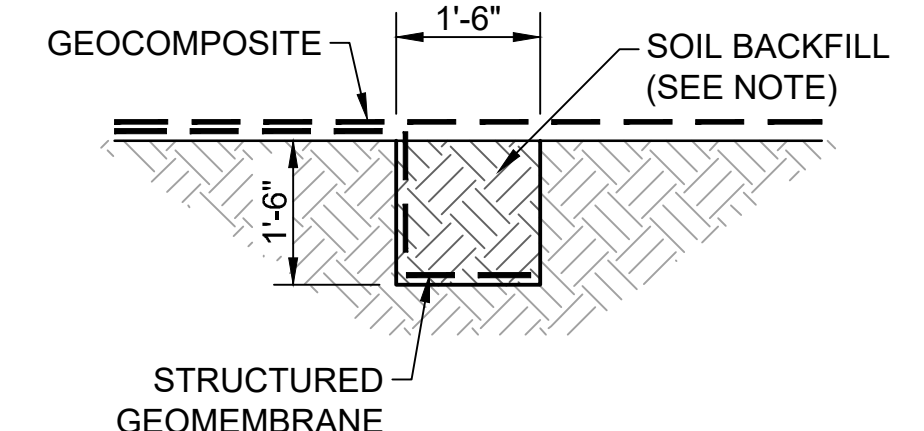
NOTES:
1. DITCHES ON EITHER SIDE OF THE ACCESS ROAD ARE CONSTRUCTED
ONLY BETWEEN APPROXIMATE STATIONS 201+16 AND 203+58.
2. STRUCTURAL FILL SHALL BE TRACKED IN PLACE WITH LOW GROUND
PRESSURE EQUIPMENT.

8
44
DETAIL - ACCESS ROAD
SCALE: 1/2"=1'-0"



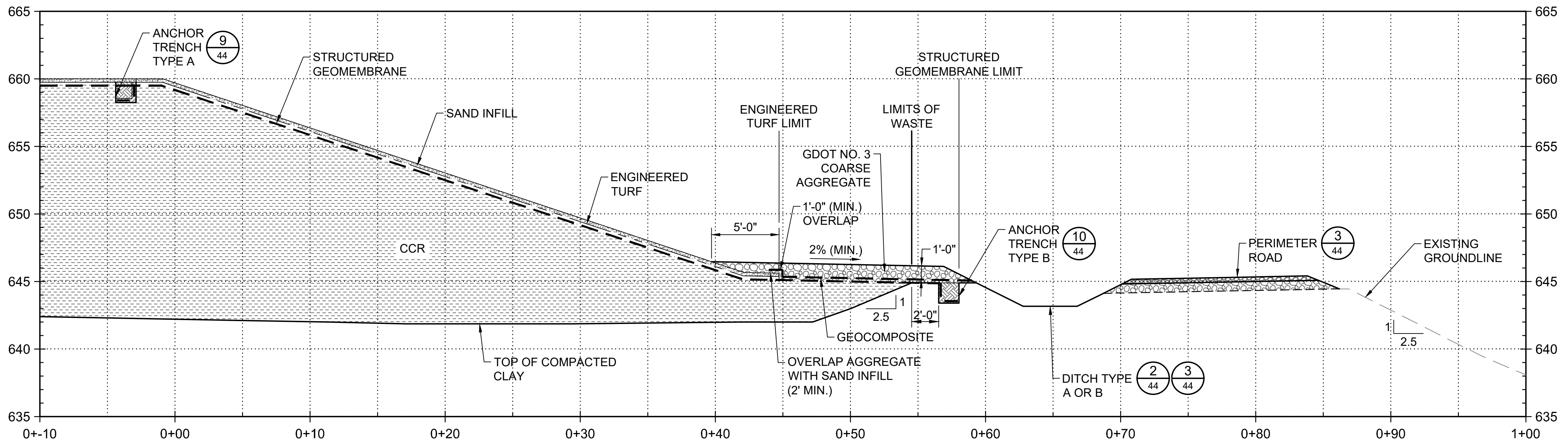
NOTE:
SOIL BACKFILL FOR ANCHOR TRENCH TYPE A SHALL
CONSIST OF STRUCTURAL FILL PLACED/COMPACTED IN
ACCORDANCE WITH ANCHOR TRENCH REQUIREMENTS
PER THE TECHNICAL SPECIFICATIONS.

9
44
DETAIL - ANCHOR TRENCH TYPE A
SCALE: 1/2"=1'-0"



NOTE:
SOIL BACKFILL FOR ANCHOR TRENCH TYPE B SHALL
CONSIST OF STRUCTURAL FILL PLACED/COMPACTED IN
ACCORDANCE WITH ANCHOR TRENCH REQUIREMENTS
PER THE TECHNICAL SPECIFICATIONS.

10
44
DETAIL - ANCHOR TRENCH TYPE B
SCALE: 1/2"=1'-0"



11
44
DETAIL - TYPICAL EXTERIOR BERM AND COVER/CAP
SCALE: 1"=5'

SECTION OR DETAIL NO.
TARGET DRAWING
REFERENCE KEY

REVISION	0	DATE	NOVEMBER 2024	REVISION	0	DATE	FEBRUARY 2025
							ISSUED FOR CCR PERMIT APPLICATION
BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR	MGR APPR	
							BMS KDL

Stantec Consulting Services, Inc.
FOR
GEORGIA POWER COMPANY
PLANT HAMMOND — HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
PARCEL E
DETAILS

SCALE	PROJ. I.D.	DRAWING NUMBER	SH	CONTD	REV
AS SHOWN	175518236		4.4	FINAL	0



ISSUED FOR PERMIT

PLT DATE: 2/2/2025 USER: JHUNWEE / JHUNWEE PROJECT: 175518236 TECHNICAL PRODUCTION/DRAWING/REL PERMIT/RESIDUAL PROJECT: 175518236 PLOT DATE: 2/2/2025 USER: JHUNWEE / JHUNWEE PROJECT: 175518236 TECHNICAL PRODUCTION/DRAWING/REL PERMIT/RESIDUAL PROJECT: 175518236

F

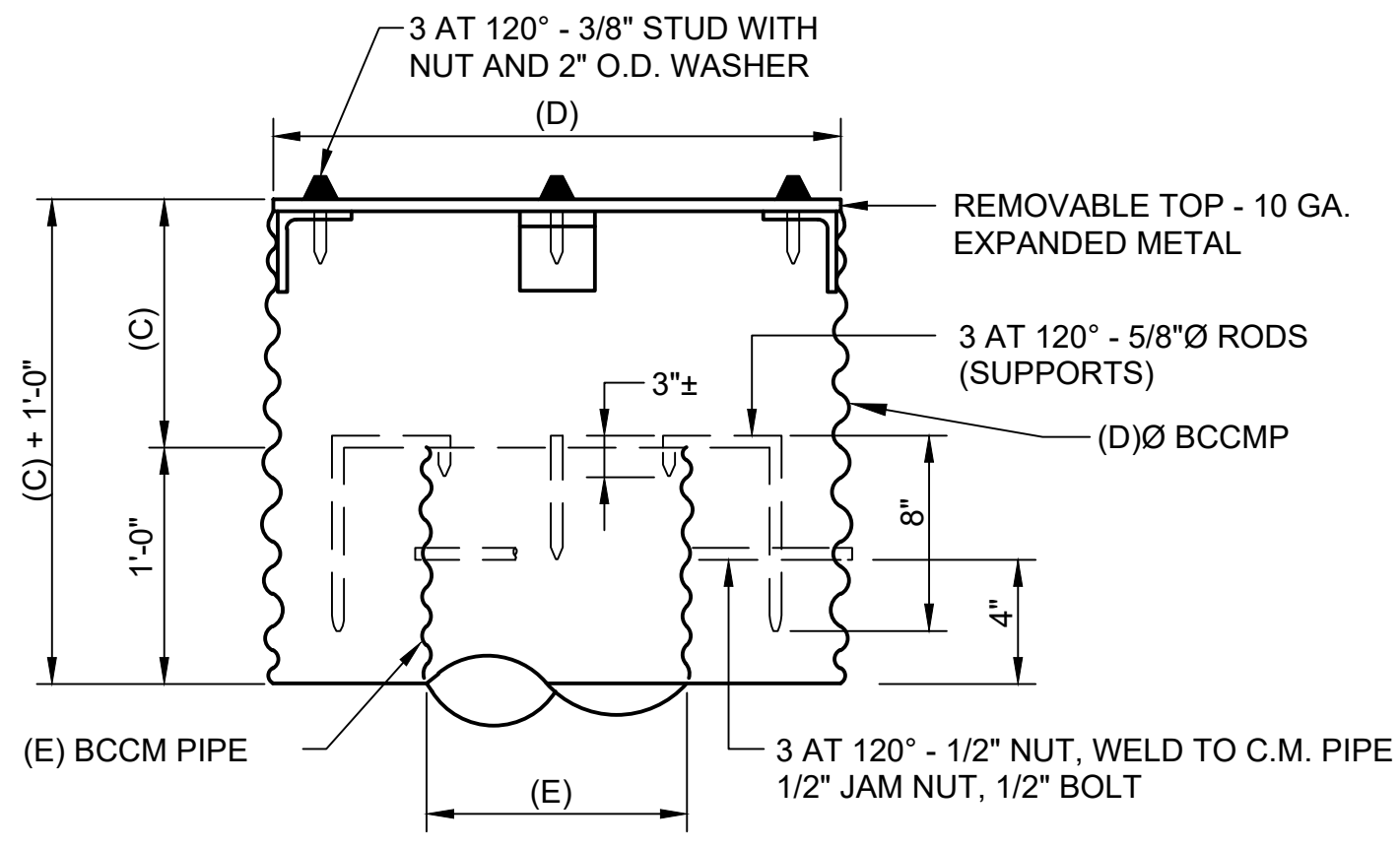
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D

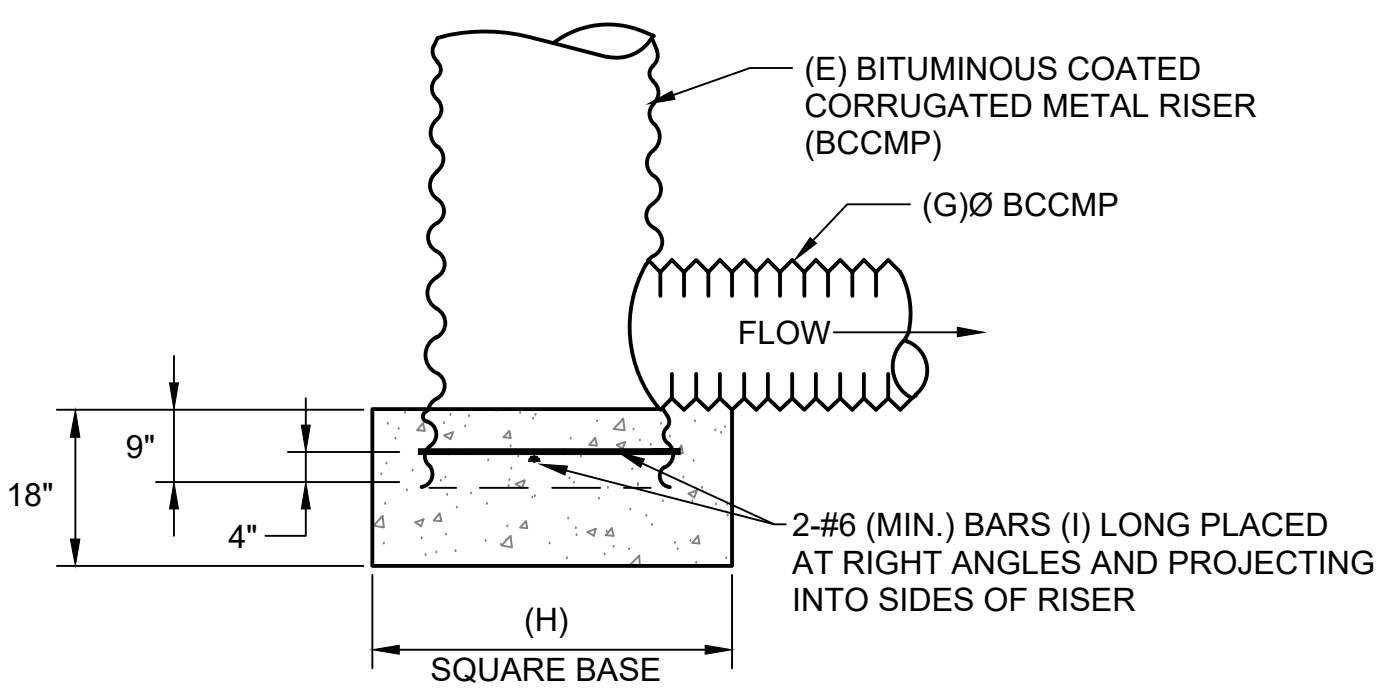
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B

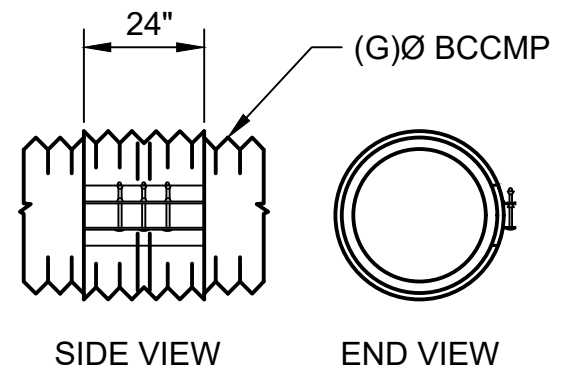
A



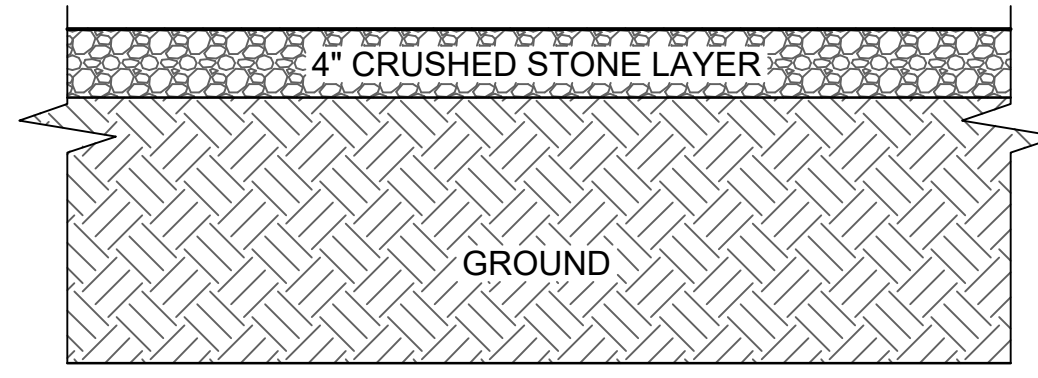
1
45
NOT TO SCALE



2
45
NOT TO SCALE

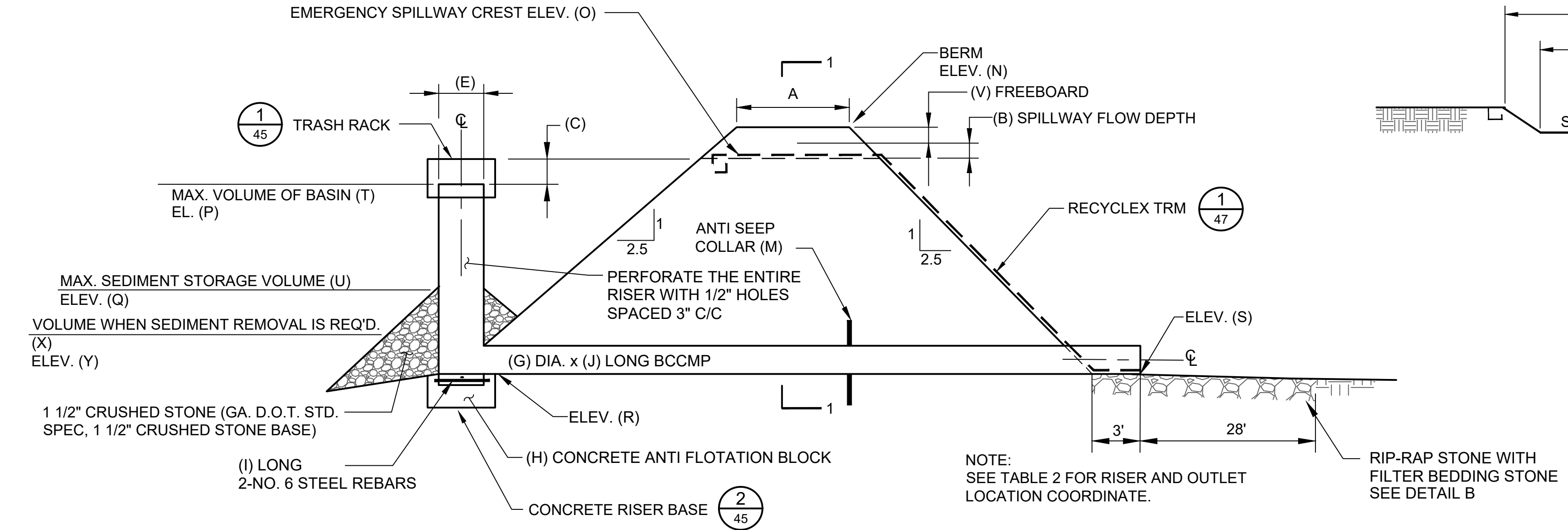


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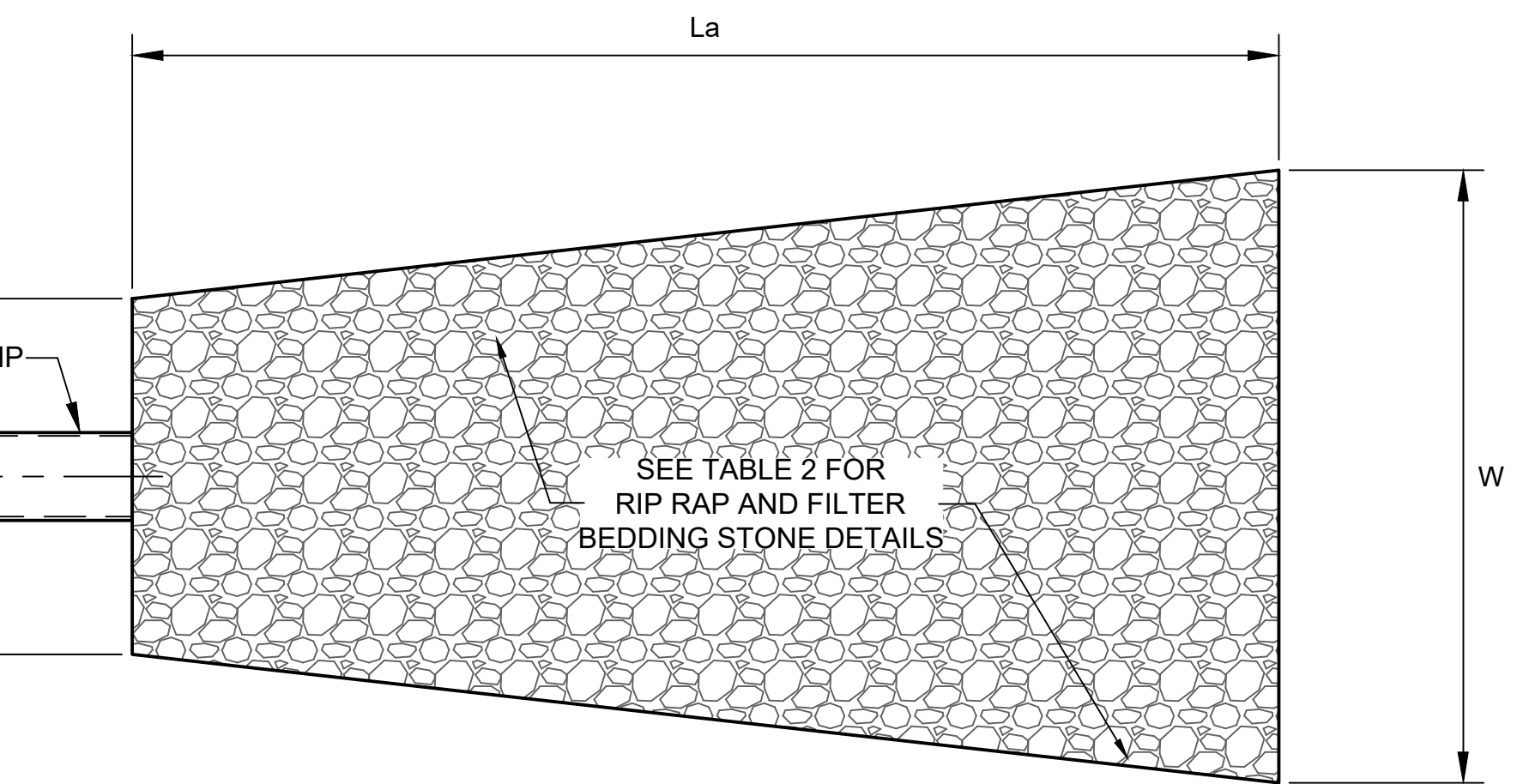


4
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NOT TO SCALE

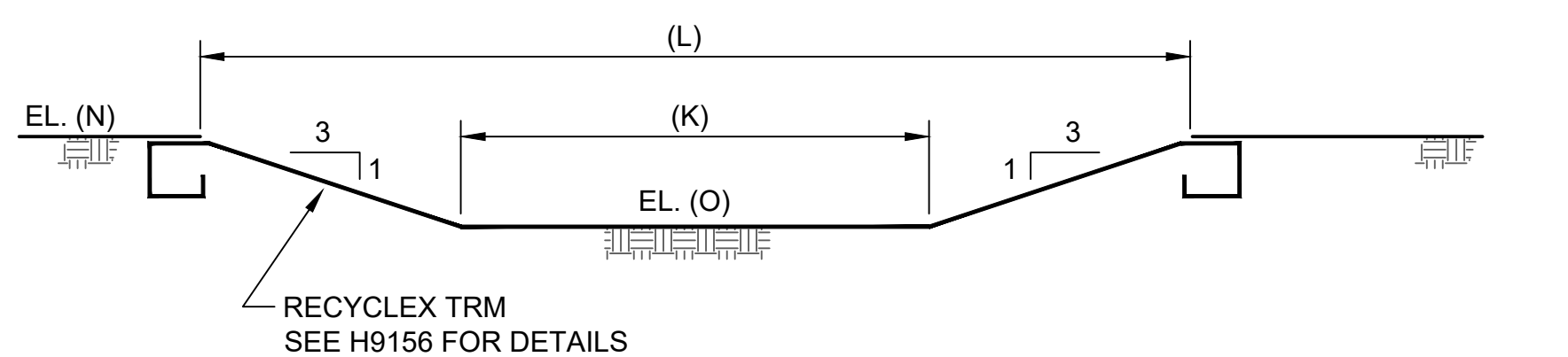
CULVERT OUTLET RIPRAP DETAILS (@ NEW CULVERT ONLY)							
Pipe Diam.	Pipe Type	La	3Do	W	Rip Rap	Thick	Filter Bedding Stone
12"	BCCMP	12'	3'	13'	N.S.A. #R-4	18"	N.S.A. #FS-2
24"	BCCMP	20'	6'	22'	N.S.A. #R-5	27"	N.S.A. #FS-2
30"	BCCMP	22'	7.5'	25'	N.S.A. #R-5	27"	N.S.A. #FS-2
36"	BCCMP	24'	9'	27'	N.S.A. #R-5	27"	N.S.A. #FS-2
42"	BCCMP	26'	10.5'	30'	N.S.A. #R-5	27"	N.S.A. #FS-2
48"	BCCMP	28'	12'	32'	N.S.A. #R-6	36"	N.S.A. #FS-3
60"	RCP	32'	15'	37'	N.S.A. #R-6	36"	N.S.A. #FS-3



SECTION 1-1
NOT TO SCALE



DETAIL B
NOT TO SCALE



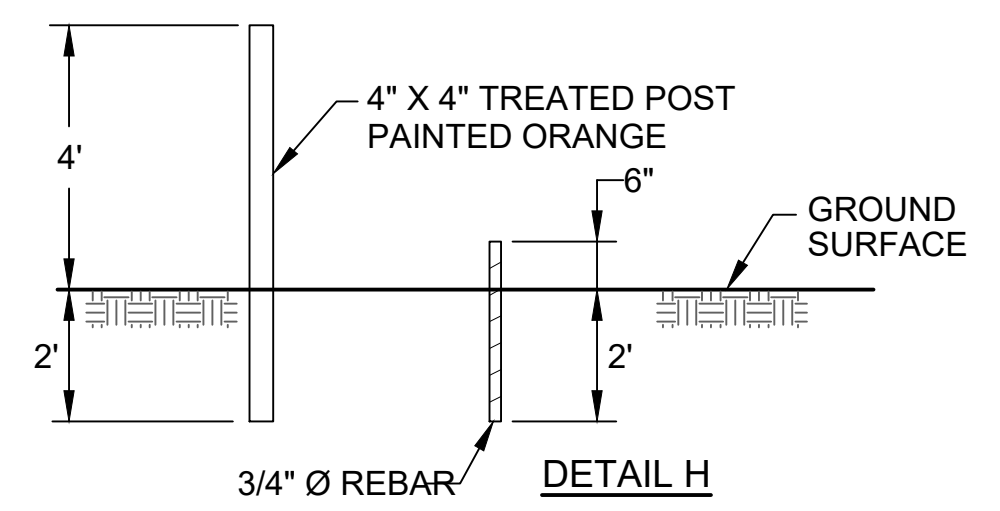
DETAIL A
NOT TO SCALE

TABLE 1 - SEDEMENTATION POND AND CLEAR POOL DETAILS

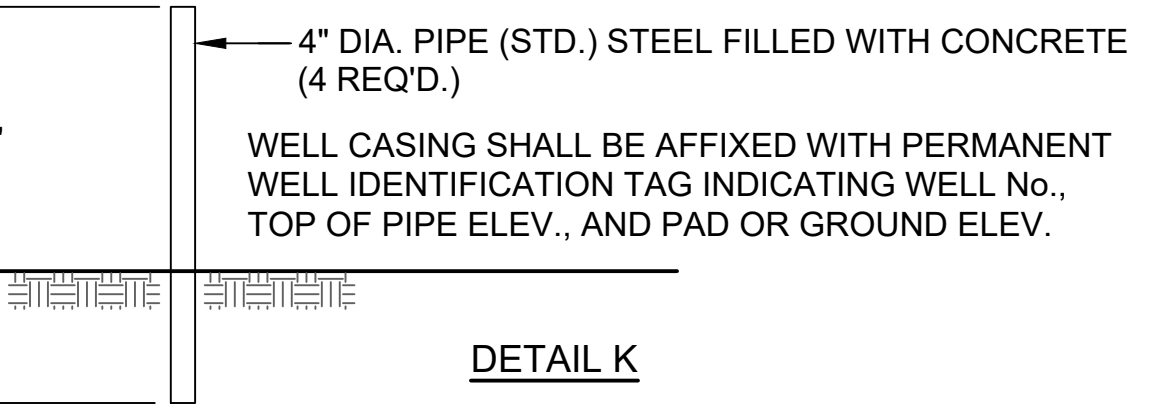
		SEDIMENT BASIN 3	CLEAR POOL 3
TOP WIDTH OF BERM	A	8'	13'
EMERGENCY SPILLWAY FLOW DEPTH	B	0.5'	0.5'
STORAGE LEVEL - DIFFERENCE BETWEEN RISER AND EMER. SPILLWAY	C	1.0'	2.0'
TRASH RACK DIAMETER	D	66"	66"
RISER DIAMETER	E	48"	48"
RISER LENGTH (INCLUDES 9" INTO ANTIFLOTATION BLOCK)	F	6'-9"	7'-9"
PRINCIPAL SPILLWAY PIPE DIAMETER	G	36"	36"
CONCRETE ANTIFLOTATION BLOCK	H	84"x 84"x 18"	84"x 84"x 18"
LENGTH OF RISER ANCHORING BARS (REBAR)	I	78"	78"
LENGTH OF PRINCIPAL SPILLWAY PIPE	J	60'	86'
EMERGENCY SPILLWAY BOTTOM WIDTH	K	20'	20'
EMERGENCY SPILLWAY TOP WIDTH	L	32'	32'
ANTISEEP COLLAR	M	72" x 72"	72" x 72"
ELEVATION OF TOP OF BERM, FT MSL	N	633.0 ft	633.0 ft
ELEVATION OF EMERGENCY SPILLWAY CREST, FT MSL	O	631.0 ft	631.0 ft
ELEVATION OF TOP OF RISER, FT MSL	P	630.0 ft	629.0 ft
MAXIMUM SEDIMENT STORAGE ELEV., FT MSL	Q	626.0 ft	625.0 ft
ELEVATION OF PRINCIPAL SPILLWAY AT INLET, FT MSL (BOTTOM POND EL.)	R	624.0 ft	622.0 ft
ELEVATION OF PRINCIPAL SPILLWAY AT OUTLET, FT MSL	S	623.7 ft	620.0 ft
MAXIMUM VOLUME OF BASIN, CUBIC YARDS	T	16,794	6,917
MAXIMUM SEDIMENT STORAGE VOLUME, CUBIC YARDS	U	3,460	2,428
FREEBOARD	V	1.5'	1.5'
CLEAN OUT VOLUME, CUBIC YARDS	X	596	809
ELEVATION WHEN CLEANOUT REQUIRED	Y	624.5	623.3

TABLE 2 - RISER AND OUTLET LOCATION COORDINATES

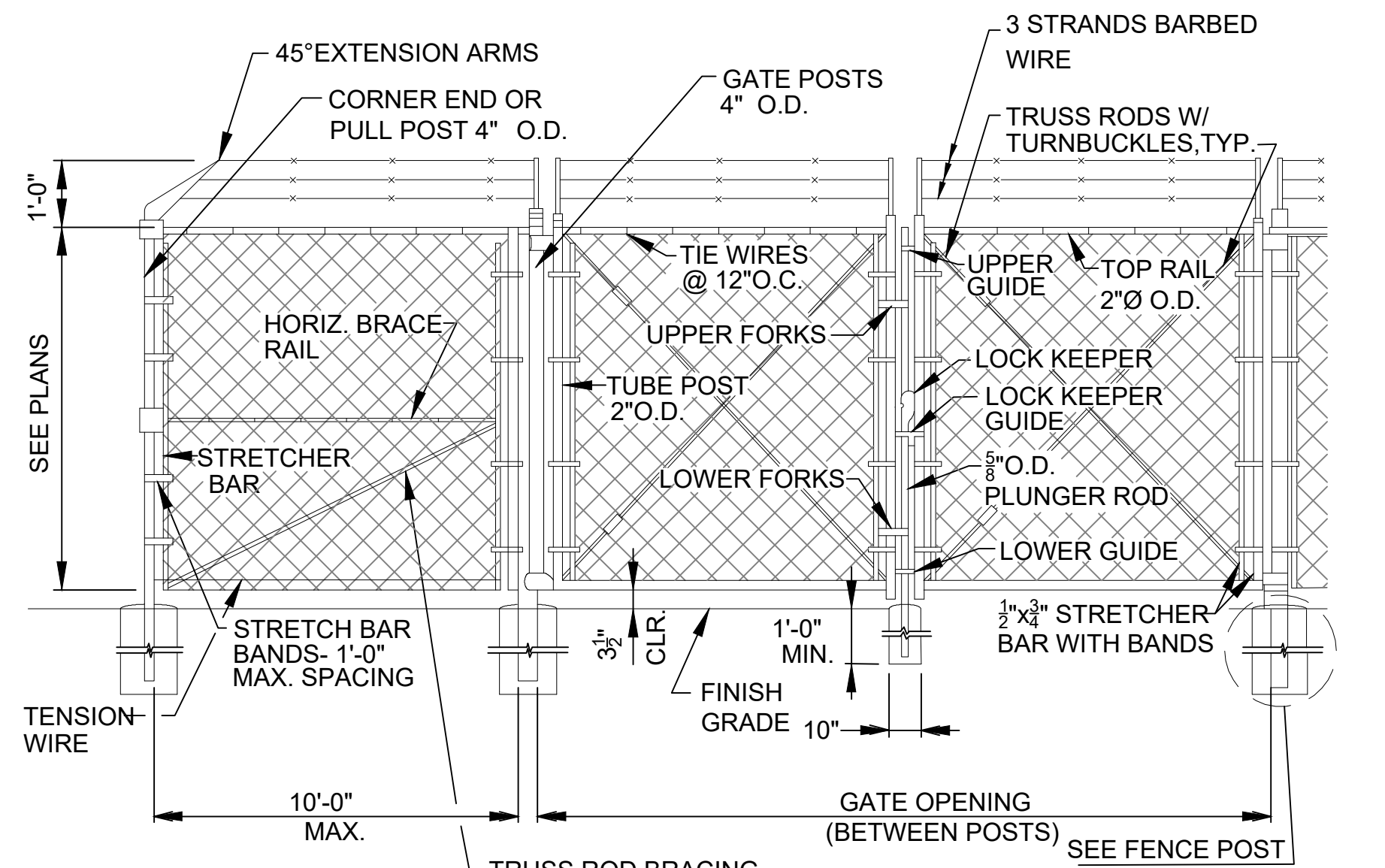
	RISER CENTER		OUTLET DISCHARGE	
	NORTHING	EASTING	NORTHING	EASTING
SEDIMENT BASIN 3	1,562,563.49	1,951,908.82	1,562,504.24	1,951,909.33
CLEAR POOL 3	1,562,420.36	1,952,005.71	1,562,334.36	1,952,005.57



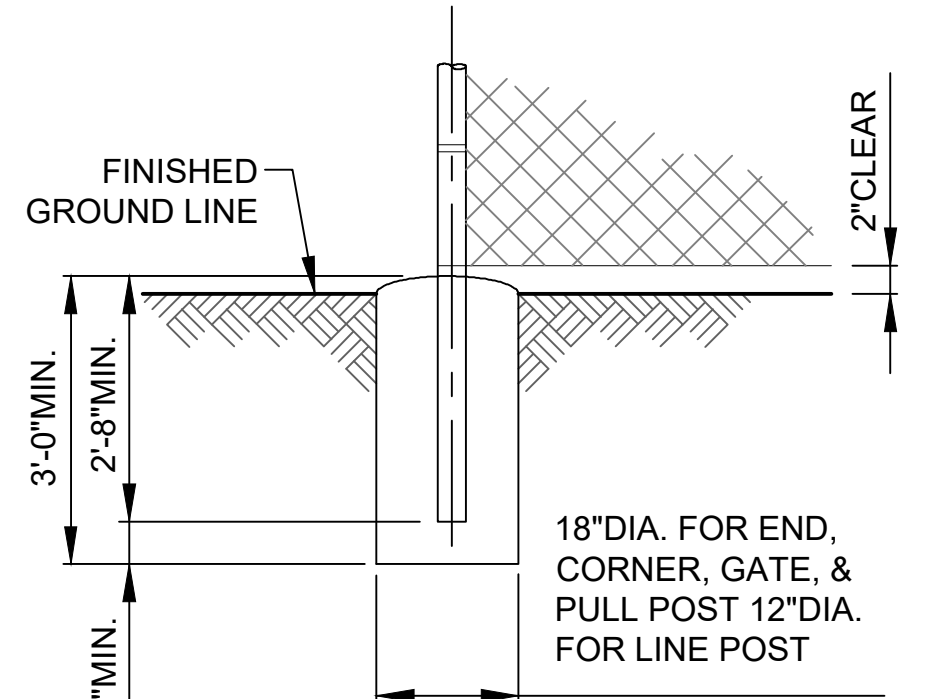
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NOT TO SCALE



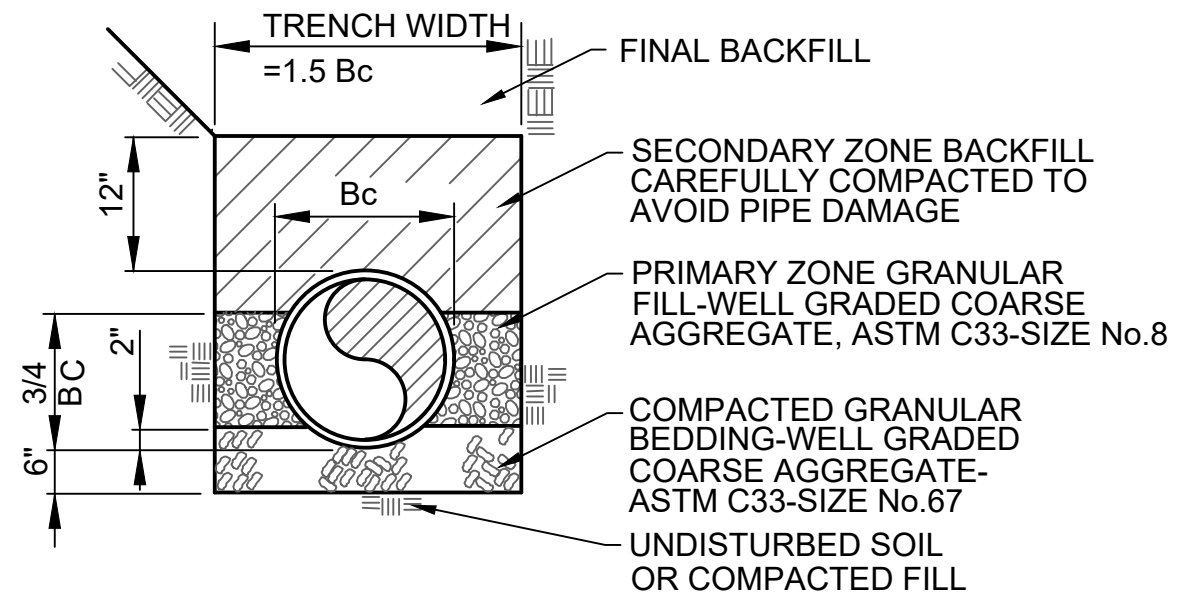
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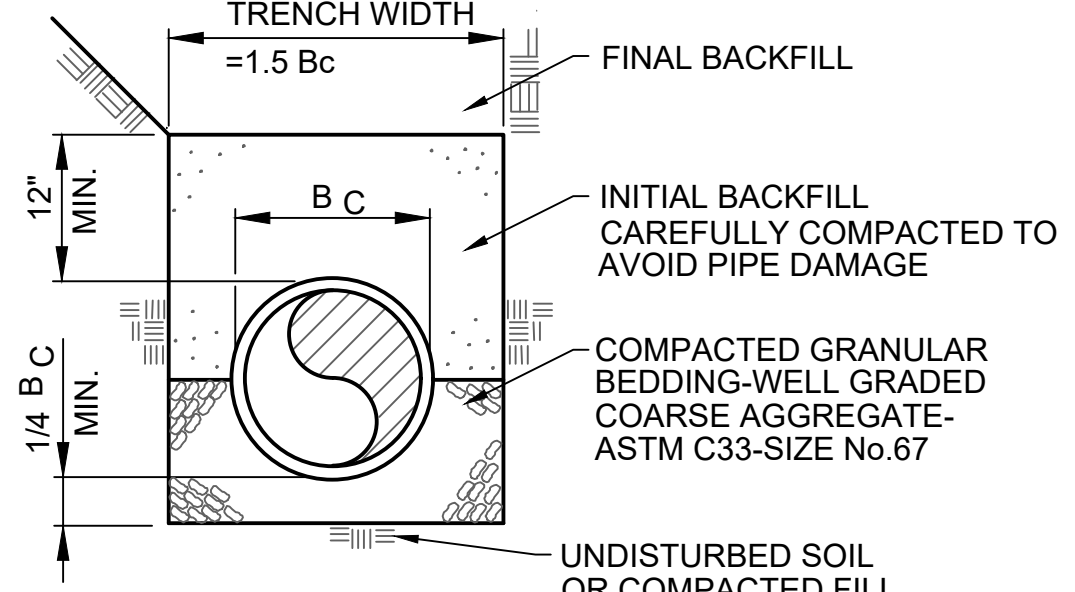
8
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NOT TO SCALE



9
45
NOT TO SCALE



CMP BEDDING DETAIL



RCP BEDDING DETAIL

10
45
NOT TO SCALE

ISSUED FOR PERMIT

SECTION OR DETAIL NO.
— TARGET DRAWING
REFERENCE KEY

REVISION	DATE	REVISION	DATE
		0	FEBRUARY 2025
		ISSUED FOR CCR PERMIT APPLICATION	
BY	CHKD	CIVL APPR	ELECT APPR
BY	CHKD	CIVL APPR	ELECT APPR
JJM	KDL		

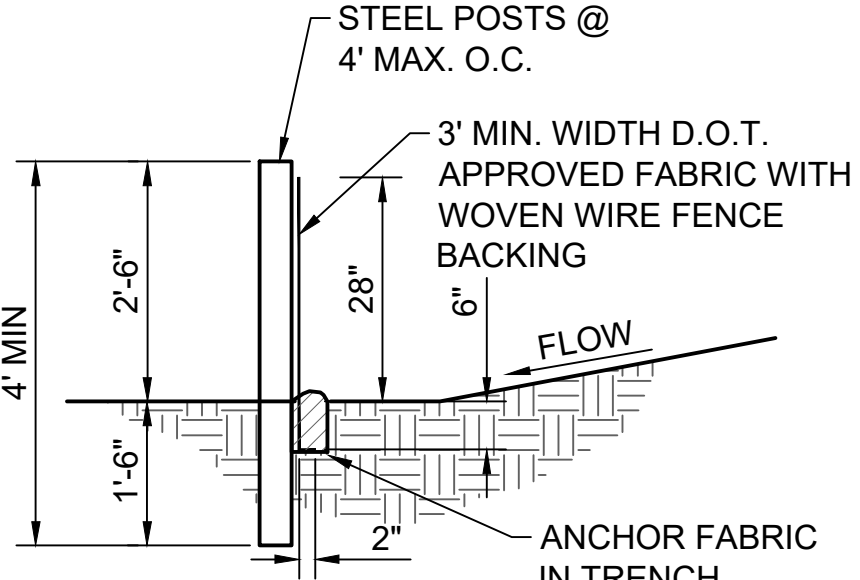
Stantec Consulting Services, Inc.	
FOR	
GEORGIA POWER COMPANY	
PLANT HAMMOND — HUFFAKER ROAD COAL COMBUSTION RESIDUALS DISPOSAL FACILITY PARCEL E DETAILS	
SCALE	PROJ. I.D.
AS SHOWN	175518236
DRAWING NUMBER	45
SH	CONTD
REV	0

PLT DATE: 02/05/2025 USER: JHUNNEY / JHUNNEY PROJECT: 175518236 PERMIT: 175518236 TECHNICAL: PRODUCTION DRAWING SHEET FILES: 46, 1023, 10194, P-E, DTS, DWG

SILT FENCE NOTES

- ALL SILT FENCE SHOWN ON THE PLANS IS TO BE DOUBLE ROW TYPE "C" BARRIER. CONTRACTOR SHALL MAINTAIN FENCE AT THESE LOCATIONS DURING CONSTRUCTION OF CELLS UNTIL FINAL SURFACE TREATMENTS HAVE BEEN APPLIED AND A SUFFICIENT STAND OF GRASS HAS BEEN ESTABLISHED AS DETERMINED BY THE SITE ENGINEER.
- ADDITIONAL SILT FENCE SHALL BE REQUIRED IN AREAS WHICH ARE CLEARED OR GRADED AND DO NOT HAVE STORMWATER RUNOFF DIVERTED TO SEDIMENT BASINS MEETING THE CRITERIA LISTED IN THE TABLES. THE DRAINAGE AREA SHALL NOT EXCEED 1/4 ACRE FOR EVERY 100 FEET OF SILT FENCE.

CRITERIA FOR SILT FENCE PLACEMENT	
LAND SLOPE (PERCENT)	MAXIMUM LENGTH OF SLOPE ABOVE FENCE (FEET)
<2	100
2 TO 5	75
5 TO 10	50
10 TO 20	25
>20	15

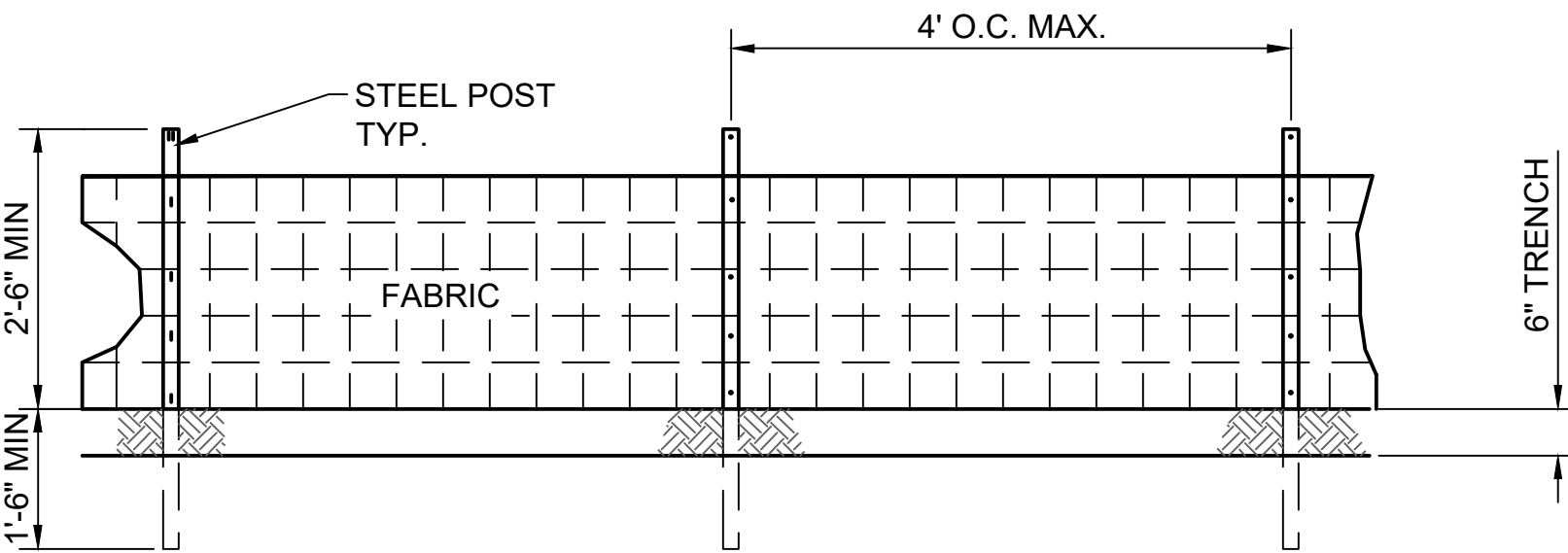


NOTE: THE SILT FENCE SHALL BE INSPECTED PERIODICALLY AND PROMPTLY REPAIRED OR REPLACED AS REQUIRED. FILTER FABRIC SHALL BE REPLACED WHENEVER IT HAS DETEIORATED TO SUCH AN EXTENT THAT IT REDUCES THE EFFECTIVENESS OF THE FABRIC.

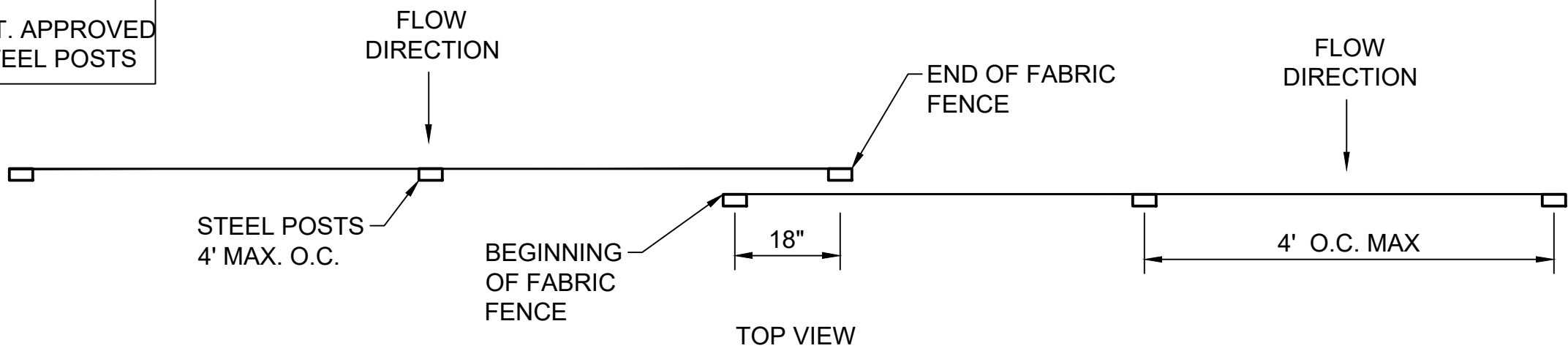
POSTS AND WOVEN WIRE SUPPORT:

POSTS SHALL BE STEEL AND HAVE A MINIMUM LENGTH OF 4 FEET. POSTS SHALL BE "U", "T", OR "C" SHAPED, OR WOOD FOR TYPE A, AND HAVE A MINIMUM WEIGHT OF 1.3 POUNDS PER FOOT. THE POSTS SHALL HAVE PROJECTIONS FOR FASTENING THE WOVEN WIRE AND FILTER FABRIC. MAXIMUM POSTS SPACING SHALL BE 6 FEET FOR TYPE A OR 4 FEET FOR TYPE C. A WOVEN WIRE SUPPORT FENCE SHALL BE USED WITH TYPE "C" FENCE. THE WIRE FENCE FABRIC SHALL BE AT LEAST 36 INCHES HIGH AND SHALL HAVE AT LEAST 6 HORIZONTAL WIRES. VERTICAL WIRES SHALL HAVE A MAXIMUM SPACING OF 12 INCHES. THE TOP AND BOTTOM WIRES SHALL BE AT LEAST 10 GAUGE AND ALL OTHER WIRES SHALL BE AT LEAST 12 1/2 GAUGE.

FILTER FABRICS FOR TYPE "C" FENCES:
APPROVED SILT FENCE FABRICS ARE LISTED IN THE GEORGIA DEPARTMENT OF TRANSPORTATION QUALIFIED PRODUCTS LIST #36 (QPL-36).

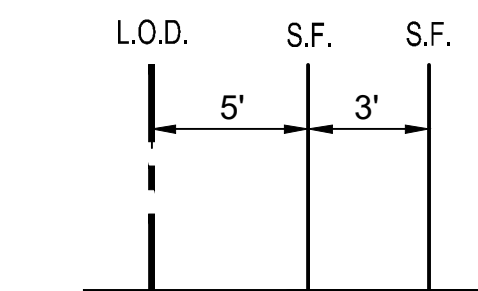


NOTE: USE 36" G.D.O.T. APPROVED FABRIC USE STEEL POSTS



INSTALLATION

- INSTALL WHERE SHEET FLOW CONDITIONS EXIST.
- WHERE NO SEDIMENT TRAP/STORMWATER DISPOSAL SYSTEM IS PRESENT, MAXIMUM SLOPE SHALL NOT EXCEED THOSE IN THE TABLE. ALSO, THE DRAINAGE AREA IS NOT TO EXCEED 1/4 ACRE PER 100 FEET OF SILT FENCE.
- APPROVED SILT FENCE FABRICS ARE LISTED IN THE GEORGIA DEPARTMENT OF TRANSPORTATION QUALIFIED PRODUCTS LIST #36 (QPL-36). VERIFY FABRIC BY INSPECTION OF FABRIC NAME PRINTED EVERY 100 FEET OF SILT FENCE.
- INSTALL ACCORDING TO APPROVED PLAN, AS SHOWN.
- INSTALL ALONG CONTOURS WITH ENDS POINTING UPHILL.
- DO NOT PLACE IN WATERWAYS OR AREAS OF CONCENTRATED FLOW.
- START POST INSTALLATION AT THE CENTER OF THE LOWEST POINT WITH REMAINING POSTS SPACED ACCORDING TO FIGURE.
- 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. AND THAT SUPPORT POST SPACING DOES NOT EXCEED 4 FT. FOR TYPE C & 6 FOR TYPE A.
- USE MINIMUM 18" OVERLAP AT FABRIC ENDS.
- USE A DOUBLE ROW OF TYPE "C" SILT FENCE ALONG STREAM BUFFERS AND OTHER SENSITIVE AREAS.
- A TRENCH 6 INCHES IN DEPTH SHALL BE EXCAVATED WITH EQUIPMENT SUCH AS A TRENCHING MACHINE OR MOTOR GRADER; OR, IF EQUIPMENT CANNOT BE OPERATED ON THE SITE, BY HAND.
- POST INSTALLATION SHALL START AT THE CENTER OF THE LOW POINT (IF APPLICABLE) WITH THE REMAINING POSTS SPACED A MAXIMUM OF 4 OR 6 FEET APART. POSTS SHALL BE INSTALLED WITH AT LEAST 18 INCHES IN THE GROUND. WHERE AN 18 INCH DEPTH IS IMPOSSIBLE TO ACHIEVE, THE POSTS SHALL BE ADEQUATELY SECURED TO PREVENT OVERTURNING OF THE FENCE DUE TO SEDIMENT LOADING.
- FILTER FABRIC SHALL BE ATTACHED TO THE POST BY WIRE, CORD, POCKETS, STAPLES, NAILS, OR OTHER ACCEPTABLE MEANS. THE FILTER FABRIC SHALL BE INSTALLED IN SUCH A MANNER THAT 8 INCHES OF FABRIC IS LEFT AT THE BOTTOM TO BE BURIED AND A MINIMUM OVERLAP OF 18 INCHES IS PROVIDED AT ALL SPLICE JOINTS. THE FABRIC SHALL BE INSTALLED IN THE TRENCH SUCH THAT 4 TO 6 INCHES OF FABRIC IS AGAINST THE SIDE OF THE TRENCH WITH 2 TO 4 INCHES OF FABRIC ACROSS THE BOTTOM IN THE UPSTREAM DIRECTION.



DEFINITION

A TEMPORARY GRADE CONTROL STRUCTURE, OR DAM CONSTRUCTED ACROSS A SWALE, DRAINAGE DITCH, OR AREA OF CONCENTRATED FLOW.

CONDITIONS

- THIS PRACTICE IS APPLICABLE FOR USE IN SMALL OPEN CHANNELS AND IS NOT TO BE USED IN A LIVE STREAM. SPECIFIC APPLICATIONS INCLUDE:
- TEMPORARY OR PERMANENT SWALES OR DITCHES IN NEED OF PROTECTION DURING ESTABLISHMENT OF GRASS LININGS.
 - TEMPORARY OR PERMANENT SWALES OR DITCHES WHICH, DUE TO THEIR SHORT LENGTH OF SERVICE OR OTHER REASONS, CANNOT RECEIVE A PERMANENT NON-ERODIBLE LINING FOR AN EXTENDED PERIOD OF TIME.
 - OTHER LOCATIONS WHERE SMALL LOCALIZED EROSION AND RESULTING SEDIMENTATION PROBLEMS EXIST.

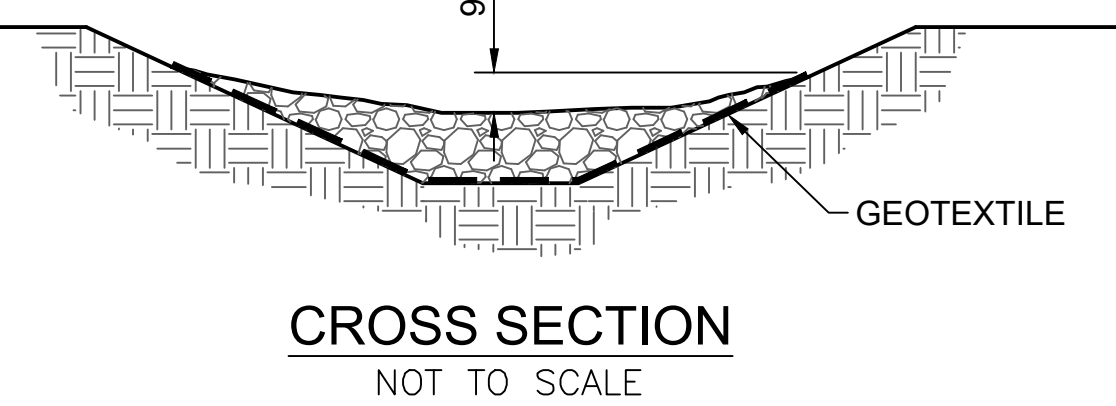
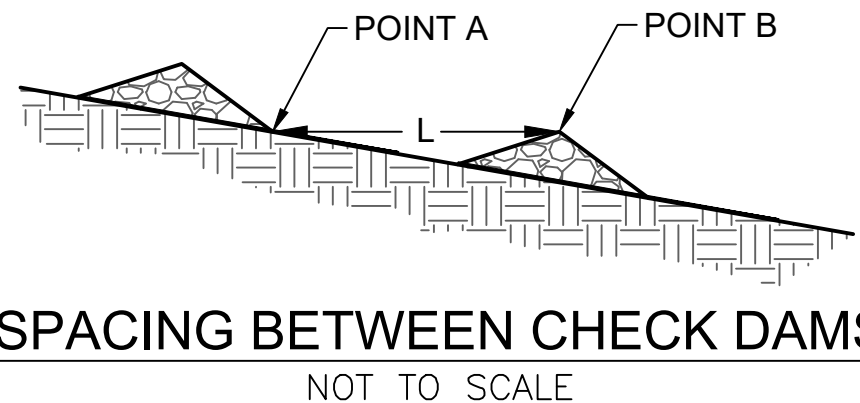
SPECIFICATIONS:

THE FOLLOWING TYPES OF CHECK DAMS ARE USED FOR THIS STANDARD:

STONE CHECK DAM

STONE CHECK DAMS SHOULD BE CONSTRUCTED OF GRADED SIZE 2-10 INCH STONE. MECHANICAL OR HAND PLACEMENT SHALL BE REQUIRED TO ENSURE COMPLETE COVERAGE OF THE ENTIRE WIDTH OF DITCH OR SWALE AND THAT CENTER OF THE DAM IS LOWER THAN THE EDGES. THE CENTER OF THE CHECK DAM MUST BE AT LEAST 9 INCHES LOWER THAN THE OUTER EDGES.

A = THE TOE OF THE UPSTREAM CHECK DAM.
B = TOP OF THE DOWNSTREAM CHECK DAM.
L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION.



2 DETAIL - CHECK DAM - STONE CHECK DAM NOT TO SCALE

SPACING:

TWO OR MORE CHECK DAMS IN A SERIES SHALL BE USED FOR DRAINAGE AREAS GREATER THAN ONE (1) ACRE. MAXIMUM SPACING BETWEEN DAMS SHOULD BE SUCH THAT THE TOE OF THE UPSTREAM DAM IS AT THE SAME ELEVATION AS THE TOP OF THE DOWNSTREAM DAM.

GEOTEXTILES:

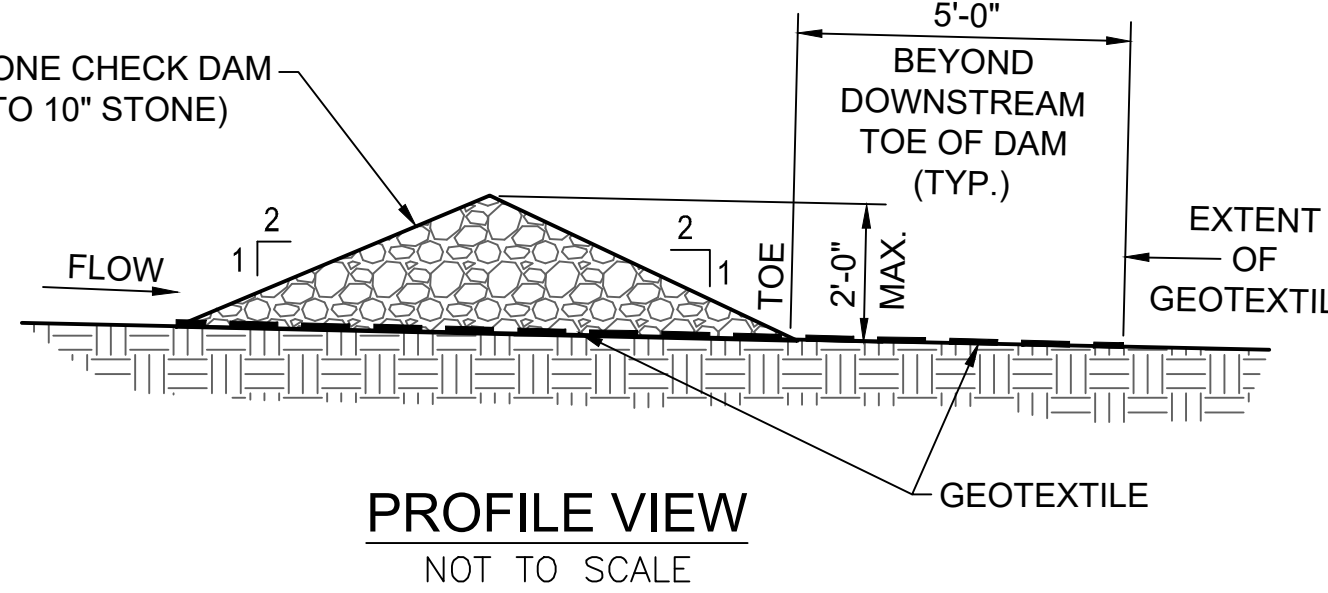
A GEOTEXTILE SHOULD BE USED AS A SEPARATOR BETWEEN THE GRADED STONE AND THE SOIL BASE AND ABUTMENTS. THE GEOTEXTILE WILL PREVENT THE MIGRATION OF SOIL PARTICLES FROM THE SUBGRADE INTO THE GRADED STONE. THE GEOTEXTILE SHALL BE SELECTED/SPECIFIED IN ACCORDANCE WITH AASHTO M288-96 SECTION 7.3, *SEPARATION REQUIREMENTS*, TABLE 3. GEOTEXTILES SHALL BE "SET" INTO THE SUBGRADE SOILS. THE GEOTEXTILE SHALL BE PLACED IMMEDIATELY ADJACENT TO THE SUBGRADE WITHOUT ANY VOIDS AND EXTEND FIVE FEET BEYOND THE DOWNSTREAM TOE OF THE DAM TO PREVENT SCOUR.

MAINTENANCE:

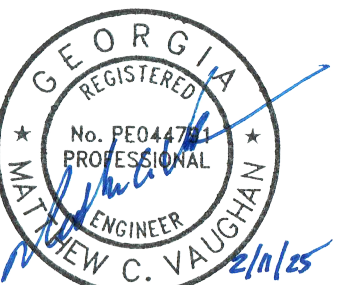
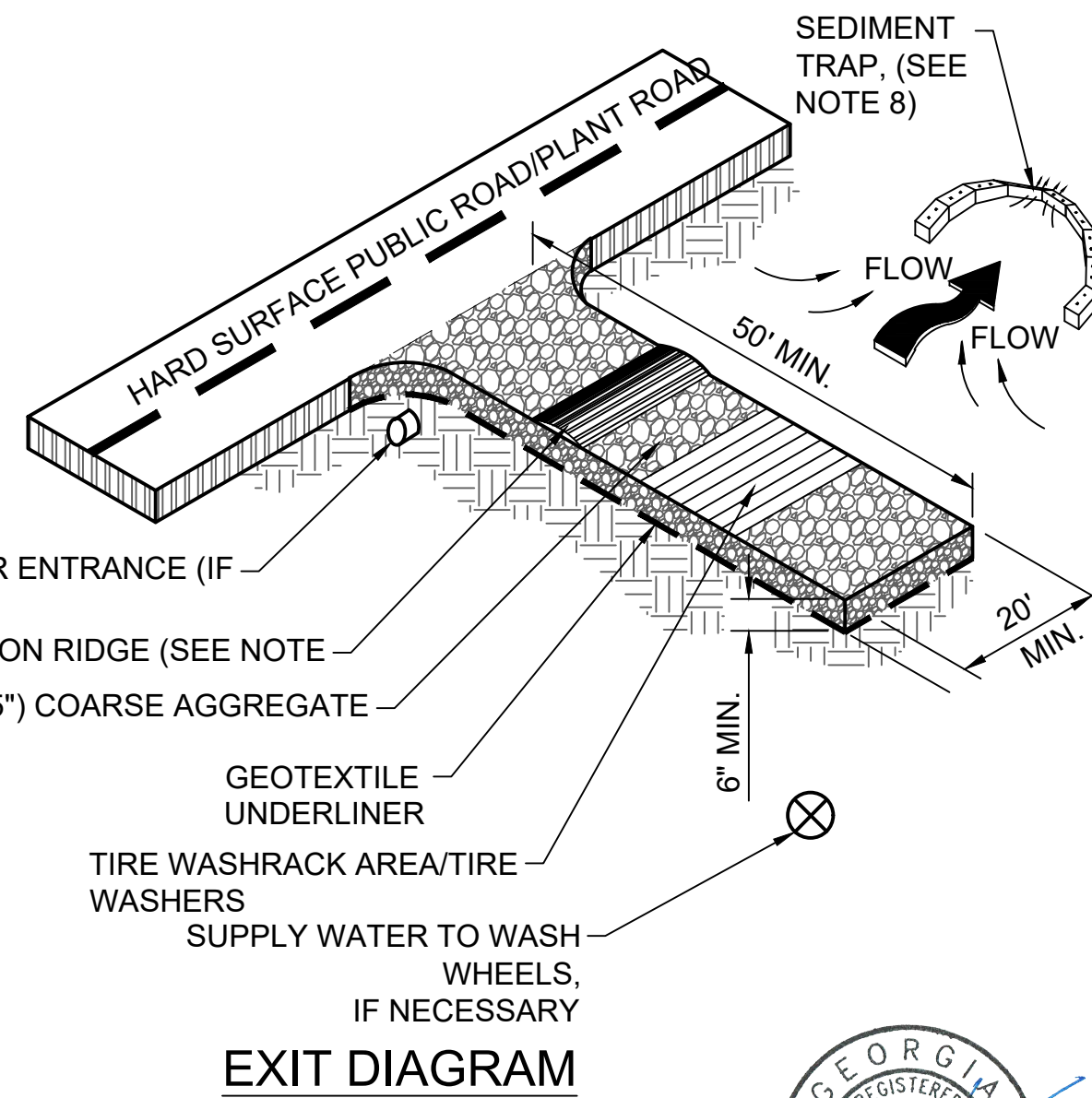
PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED. SEDIMENT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF ONE-HALF THE ORIGINAL DAM HEIGHT OR BEFORE. IF THE AREA IS TO BE MOWED, CHECK DAMS SHALL BE REMOVED ONCE FINAL STABILIZATION HAS OCCURRED. OTHERWISE, CHECK DAMS MAY REMAIN IN PLACE PERMANENTLY. AFTER REMOVAL, THE AREA BENEATH THE DAM SHALL BE SEEDED AND MULCHED IMMEDIATELY.

NOTES:

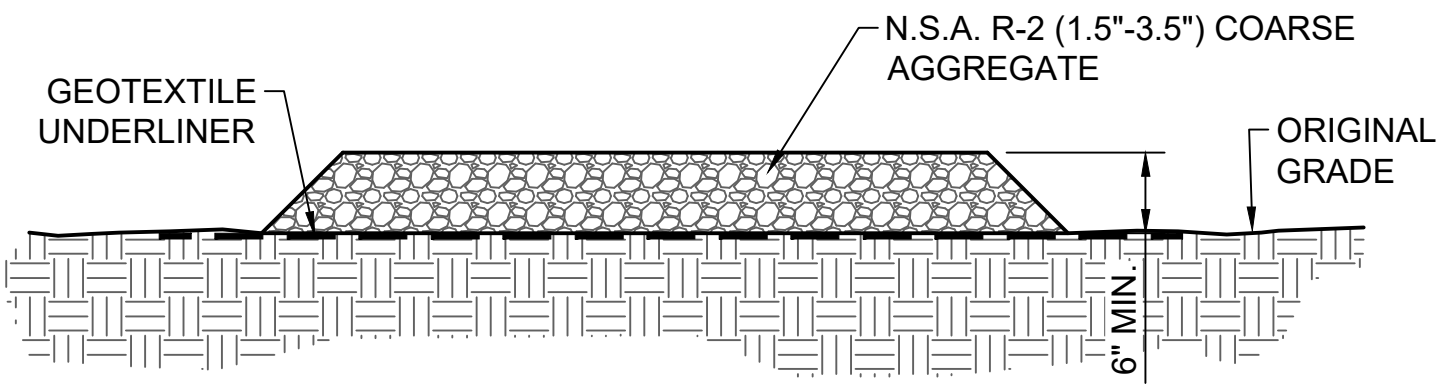
- CHECK DAMS ARE TO BE USED ONLY IN SMALL OPEN CHANNELS (THEY ARE NOT TO BE USED IN LIVE STREAMS).
- THE DRAINAGE AREA FOR STONE CHECK DAMS SHALL NOT EXCEED TWO ACRES.
- THE CENTER OF THE CHECK DAM MUST BE AT LEAST 9 INCHES LOWER THAN THE OUTER EDGES.
- THE DAM HEIGHT SHOULD BE A MAXIMUM OF 2 FEET FROM CENTER TO RIM EDGE.
- THE SIDE SLOPES OF THE CHECK DAM SHALL NOT EXCEED A 2:1 SLOPE.
- 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).



- 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.



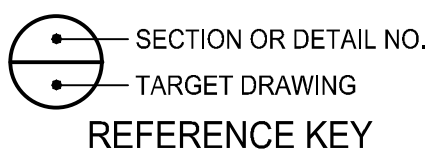
5 DETAIL - CRUSHED STONE CONSTRUCTION EXIT NOT TO SCALE



- NOTES:
- AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
 - REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
 - AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
 - GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
 - PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
 - A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
 - INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
 - 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).
 - 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.

REFERENCES:

- MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, LATEST EDITION.
- FOR A COMPLETE DRAWING LIST SEE SHEET 1.



REVISION		DATE	REVISION		DATE
			0		FEBRUARY 2025
			ISSUED FOR CCR PERMIT APPLICATION		
BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR
BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR
JJM	KDL	-	X	X	X
SCALE		PROJ. I.D.	DRAWING NUMBER	SH	CONTD
AS SHOWN		175518236	-	46	FINAL

Stantec Consulting Services, Inc. FOR	
GEORGIA POWER COMPANY	
PLANT HAMMOND — HUFFAKER ROAD COAL COMBUSTION RESIDUALS DISPOSAL FACILITY PARCEL E DETAILS	

PLT DATE: 2/2/25 USER: JHUNNEY /JHY PROJECT: 175518236 TECHNICAL PRODUCTION/DRAWING/PERMIT SHEET FILES/47_18236_HR186_PLE.DWG
1/18/2025 4:55:58 PM (SHEET) ISSUED, PROJECT 175518236 TECHNICAL PRODUCTION/DRAWING/PERMIT SHEET FILES/47_18236_HR186_PLE.DWG

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NOTE:
STAPLE PATTERNS ARE DEPENDENT
ON SITE CONDITIONS. SEE STAPLE
PATTERN FOR DETAILS.

CHANNEL TRENCH,
SEE DETAIL

CHANNEL BLANKET
END OF ROLL OVERLAP
NOT TO SCALE

EXTEND LINER TO INSIDE (POND SIDE)
OF BERM. SEE CHANNEL TRENCH DETAIL

"RECYCLEX" TRM AS MANUFACTURED
BY AMERICAN EXCELSIOR CO. OR
APPROVED ALTERNATE

TRENCH APPROX.
10" WIDE x 8" DEEP

FOR END ROLL
OVERLAP, SEE DETAIL

SIDE SEAM OVERLAP,
SEE DETAIL

EXTEND A MINIMUM OF 3'-0"
BEYOND TOE OF SLOPE.
FOR BOTTOM OF SLOPE
TERMINATION, SEE DETAIL

1
47
DETAIL - EMERGENCY SPILLWAY DITCH LINER
NOT TO SCALE

SECTION 1-1
NOT TO SCALE

SLOPE TRENCH
NOT TO SCALE

2
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DETAIL - PERIMETER DITCH LINER
NOT TO SCALE

SECTION 2-2
NOT TO SCALE

END OF ROLL OVERLAP
NOT TO SCALE

SIDE SEAM OVERLAP
STAPLE DETAIL
NOT TO SCALE

BOTTOM OF SLOPE TERMINATION
NOT TO SCALE

SECTION OR DETAIL NO.
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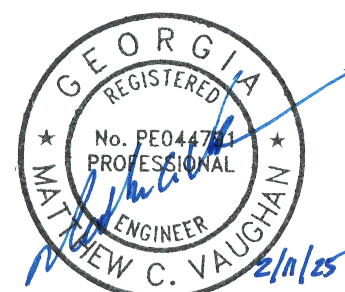
STAPLE PATTERN
NOT TO SCALE

CHANNEL TERMINATION PLAN
NOT TO SCALE

CHANNEL TERMINATION
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REFERENCES:

1. MANUAL FOR EROSION AND SEDIMENT CONTROL IN
GEORGIA, LATEST EDITION.
2. FOR A COMPLETE DRAWING LIST SEE SHEET 1.



REVISION		DATE		REVISION		DATE	
				0		FEBRUARY 2025	
				ISSUED FOR CCR PERMIT APPLICATION			
BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR	MGR APPR	

Stantec Consulting Services, Inc. FOR	
GEORGIA POWER COMPANY	
PLANT HAMMOND — HUFFAKER ROAD COAL COMBUSTION RESIDUALS DISPOSAL FACILITY PARCEL E DETAILS	
SCALE	PROJ. I.D.
AS SHOWN	175518236
DRAWING NUMBER	47
SH	CONTD
REV	0

PLT DATE: 2/25/25 USER: JHUNNEY / JHUNNEY
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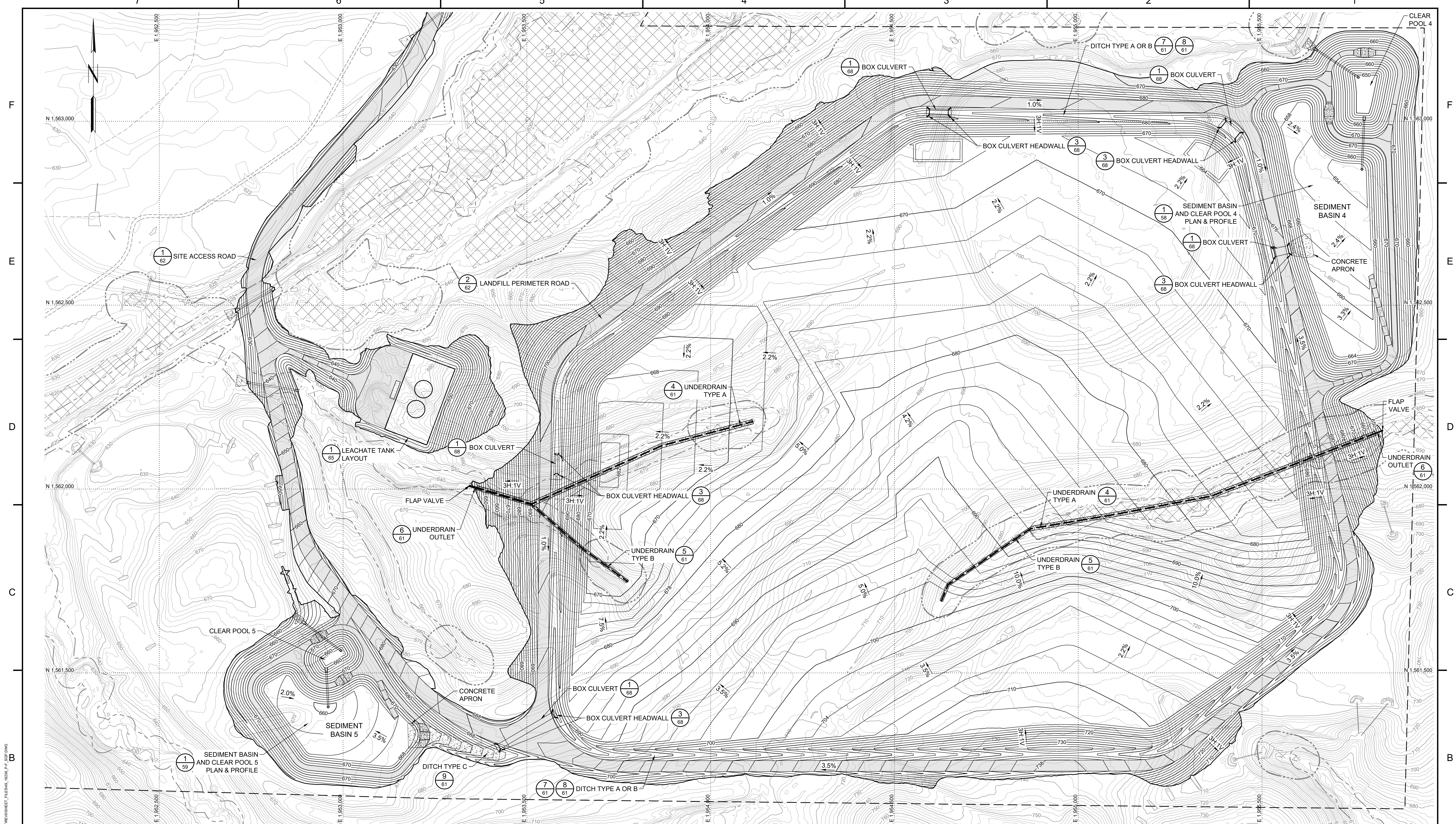
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PLT FILE: 202502 USER: JHUNNEY ARMY
USDAO20250201 ISSUED, PROJECT: 175518236 TECHNICAL, PRODUCTION: DRAWING: PERMIT: SHEET: FILES: 49, 1023, P: 5, S: 2, DWG



LEGEND

- 660 EXISTING INDEX CONTOUR
- E EXISTING INTERMEDIATE CONTOUR
- FO ELECTRIC LINE
- FO FIBER OPTIC LINE
- RAILROAD
- PROPERTY LINE
- LIMIT OF UNDISTURBED BUFFER
- WETLANDS BUFFER
- STREAM BUFFER
- WETLANDS
- RIPRAP
- PP POWER POLE
- IP SURVEY IRON PIN
- ◎ SURVEY CONTROL MONUMENT
- 710 PROPOSED INDEX CONTOUR
- PROPOSED INTERMEDIATE CONTOUR

MAPPING SOURCE NOTES:

1. TOPOGRAPHIC AND PLANIMETRIC SURVEY INFORMATION FOR THE PLANS WERE OBTAINED FROM SURVEYS PERFORMED BY SOUTHERN COMPANY SERVICES, INC. DATED MARCH 2008 AND JANUARY 2016, AND CONTOURS OBTAINED FROM DIGITAL TERRAIN MODELS OF AERIAL LIDAR SURVEYS DATED NOVEMBER 2019 AND FEBRUARY 2022. SUPPLEMENTED WITH AERIAL LIDAR SURVEYS DATED JANUARY 2021, APRIL 2022, AND AUGUST 2022.
2. ALL COORDINATES ARE BASED ON NORTH AMERICAN DATUM 83 (NAD 83), GEORGIA STATE PLANE, WEST ZONE. ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88).

NOTES:

1. PROPOSED CONTOURS REPRESENT THE TOP OF THE SUBGRADE LAYER.
2. I HAVE REVIEWED THE INFORMATION PRESENTED IN THIS DRAWING, AND IN MY PROFESSIONAL OPINION, ALL CONTAINMENT STRUCTURES ARE DESIGNED TO RESIST A MAXIMUM HORIZONTAL GROUND ACCELERATION OF 0.24G, OR THE MAXIMUM EXPECTED HORIZONTAL ACCELERATION AT THE GROUND SURFACE WITH A 98% OR GREATER PROBABILITY THAT THE ACCELERATION WILL NOT BE EXCEEDED IN 50 YEARS AS DETERMINED BY THE UNITED STATES GEOLOGIC SURVEY'S EARTHQUAKE HAZARDS PROGRAM, AS OF THE DATE OF PERMIT ISSUANCE, WHICHEVER IS MORE CONSERVATIVE.

REFERENCE KEY

- SECTION OR DETAIL NO.
- TARGET DRAWING

ISSUED FOR PERMIT

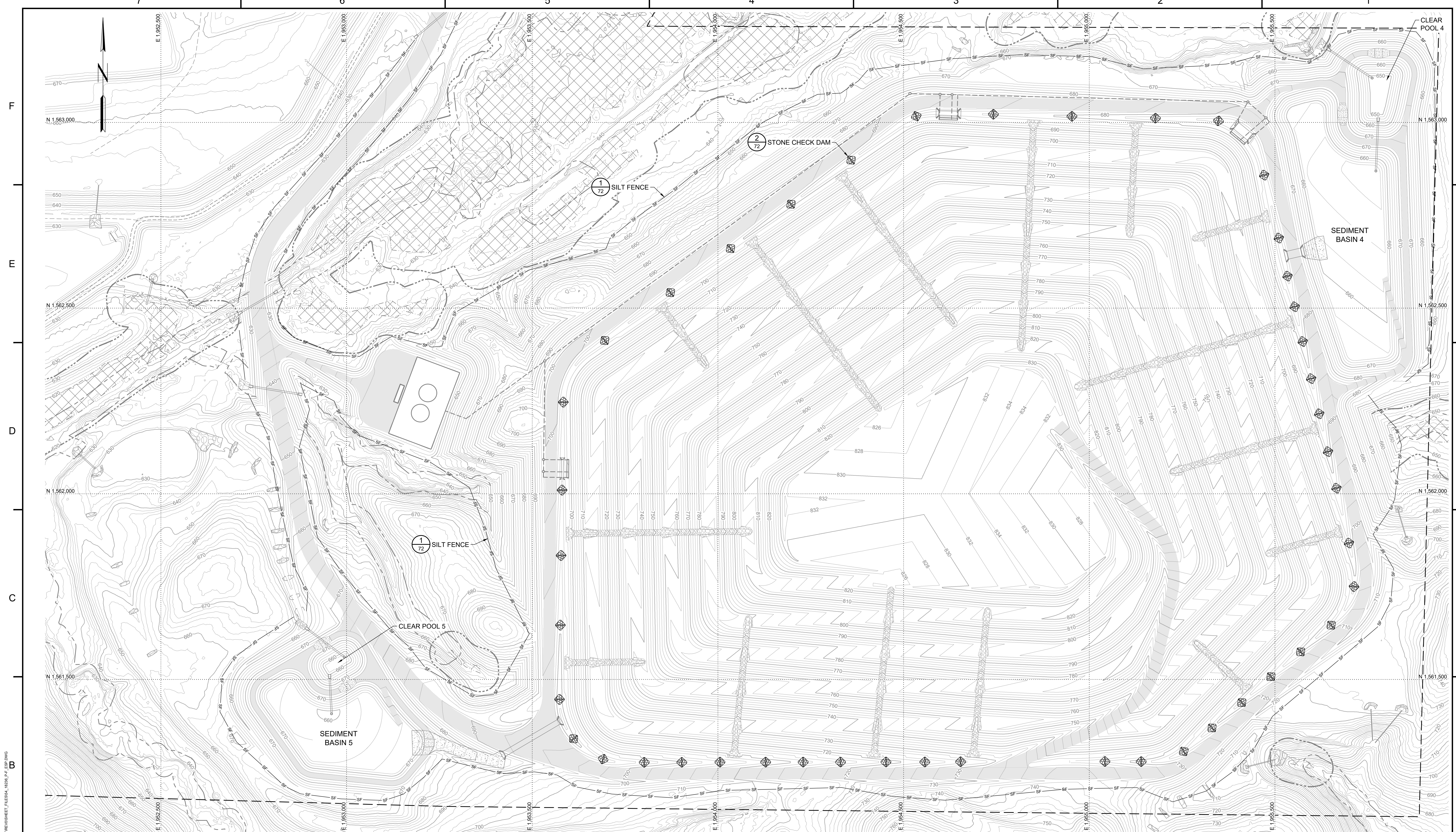
Stantec Consulting Services, Inc.
FOR
GEORGIA POWER COMPANY
PLANT HAMMOND — HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
PARCEL F
SUBGRADE PLAN

















REVISION	DATE	REVISION	DATE
		0	FEBRUARY 2025
		ISSUED FOR CCR PERMIT APPLICATION	
BY	CHKD	CIVL APPR	ELECT APPR
BY	CHKD	CIVL APPR	ELECT APPR
JJM	KDL		

SCALE	PROJ. I.D.	DRAWING NUMBER	SH	CONTO	REV
AS SHOWN	175518236		49	FINAL	0

ANSI F: 28x40

AUTOCAD: 2023




<u>LEGEND</u>	
	EXISTING INDEX CONTOUR
	EXISTING INTERMEDIATE CONTOUR
	ELECTRIC LINE
	FIBER OPTIC LINE
	RAILROAD
	PROPERTY LINE
	LIMIT OF UNDISTURBED BUFFER
	WETLANDS BUFFER
	STREAM BUFFER
	WETLANDS
	RIPRAP
	POWER POLE
	SURVEY IRON PIN
	SURVEY CONTROL MONUMENT
	SILT FENCE
	STONE CHECK DAM

MAPPING SOURCE NOTES:

1. TOPOGRAPHIC AND PLANIMETRIC SURVEY INFORMATION FOR THE PLANS WERE OBTAINED FROM SURVEYS PERFORMED BY SOUTHERN COMPANY SERVICES, INC. DATED MARCH 2008 AND JANUARY 2016, AND CONTOURS OBTAINED FROM DIGITAL TERRAIN MODELS OF AERIAL LIDAR SURVEYS DATED NOVEMBER 2019 AND FEBRUARY 2022, SUPPLEMENTED WITH AERIAL LIDAR SURVEYS DATED JANUARY 2021, APRIL 2022, AND AUGUST 2022.

2. ALL COORDINATES ARE BASED ON NORTH AMERICAN DATUM 83 (NAD 83), GEORGIA STATE PLANE, WEST ZONE. ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88).
- NOTE:
ILLUSTRATED ARE THE APPROXIMATE LOCATIONS FOR EROSION AND SEDIMENT CONTROL FEATURES. ACTUAL LOCATIONS MAY VARY BASED ON SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION OPERATIONS.

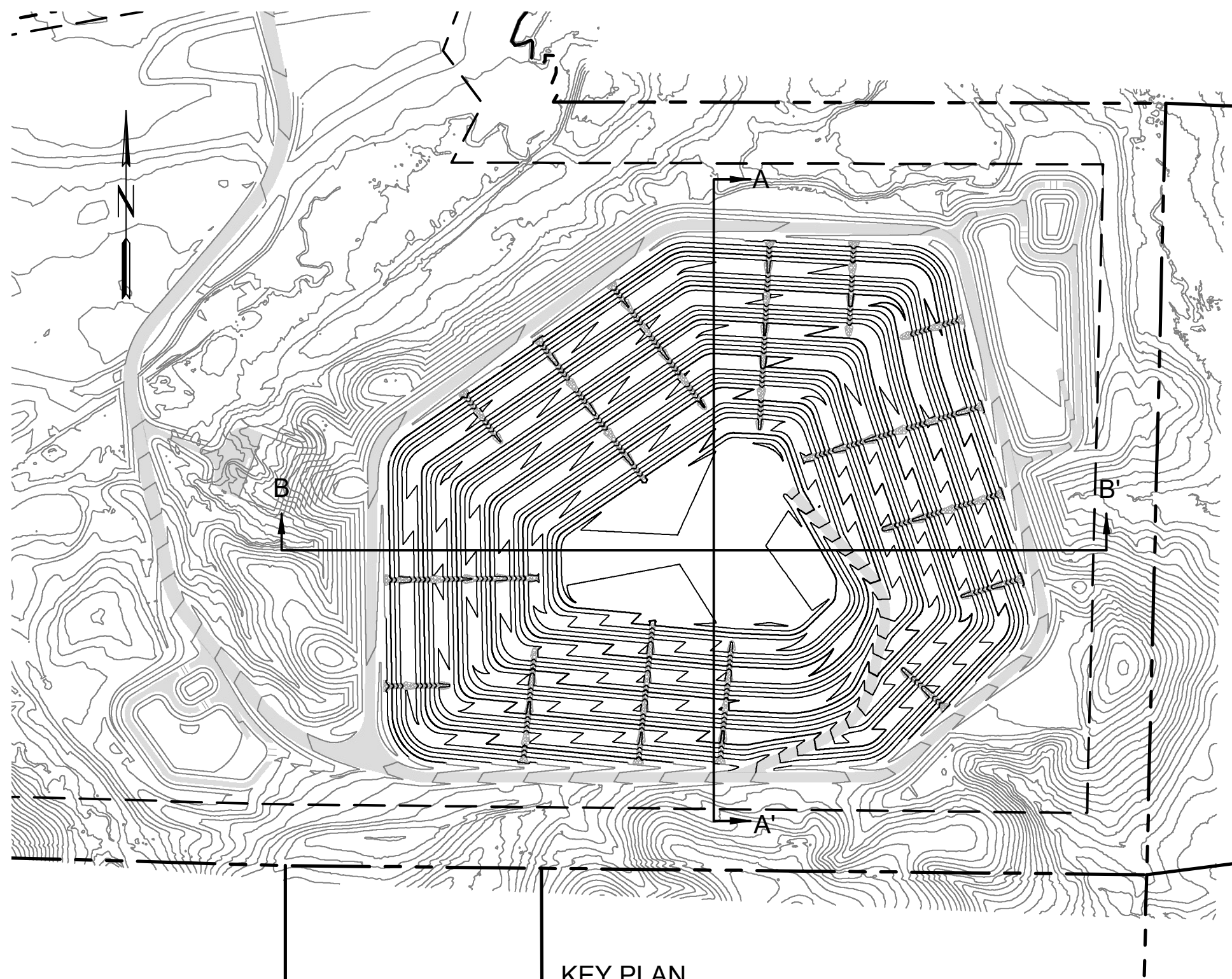

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 TARGET DRAWING
REFERENCE KEY



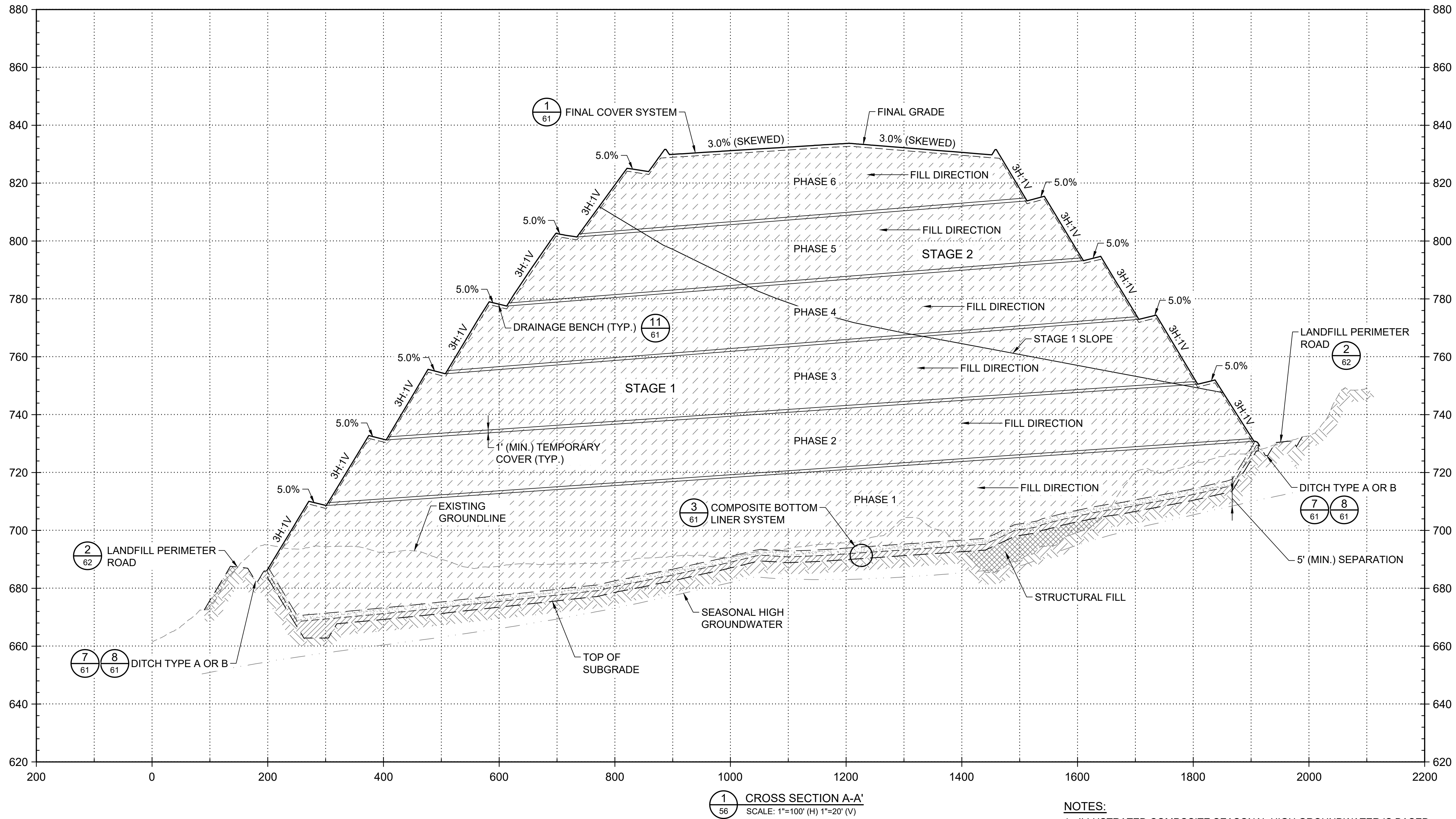
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REVISION		DATE		REVISION 0		DATE FEBRUARY 2025		<div>GEORGIA POWER COMPANY</div> <div>PLANT HAMMOND – HUFFAKER ROAD</div> <div>COAL COMBUSTION RESIDUALS DISPOSAL FACILITY</div> <div>PARCEL F</div> <div>EROSION AND SEDIMENT CONTROL PLAN</div>											
				ISSUED FOR CCR PERMIT APPLICATION															
BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR	MGR APPR	BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR	MGR APPR	SCALE	PROJ I.D.	DRAWING NUMBER	SH	CONTD	REV
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PLT DATE: 2/2/25 USER: MCHANEY, JMM
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KEY PLAN
SCALE: 1"=400'



1 CROSS SECTION A-A'
SCALE: 1"=100' (H) 1"=20' (V)

NOTES:

- ILLUSTRATED COMPOSITE SEASONAL HIGH GROUNDWATER IS BASED ON PIEZOMETER READINGS BETWEEN 5/31/2022 AND 04/25/2023.
- I HAVE REVIEWED THE INFORMATION PRESENTED IN THIS DRAWING, AND IN MY PROFESSIONAL OPINION, ALL CONTAINMENT STRUCTURES ARE DESIGNED TO RESIST A MAXIMUM HORIZONTAL GROUND ACCELERATION OF 0.24G, OR THE MAXIMUM EXPECTED HORIZONTAL ACCELERATION AT THE GROUND SURFACE WITH A 98% OR GREATER PROBABILITY THAT THE ACCELERATION WILL NOT BE EXCEEDED IN 50 YEARS AS DETERMINED BY THE UNITED STATES GEOLOGIC SURVEY'S EARTHQUAKE HAZARDS PROGRAM, AS OF THE DATE OF PERMIT ISSUANCE, WHICHEVER IS MORE CONSERVATIVE.



ISSUED FOR PERMIT

Stantec Consulting Services, Inc.
FOR

GEORGIA POWER COMPANY

PLANT HAMMOND — HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
PARCEL F
CROSS SECTIONS

REVISION		DATE		REVISION		DATE	
				0		FEBRUARY 2025	
				ISSUED FOR CCR PERMIT APPLICATION			
BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR	MGR APPR	
ACC	KDL	—					

SCALE	PROJ. I.D.	DRAWING NUMBER	SH	CONTD	REV
AS SHOWN	175518236	-	56	FINAL	0

SECTION OR DETAIL NO.
TARGET DRAWING
REFERENCE KEY

PLT DATE: 2/2/2025 USER: MCHANEY, JMM
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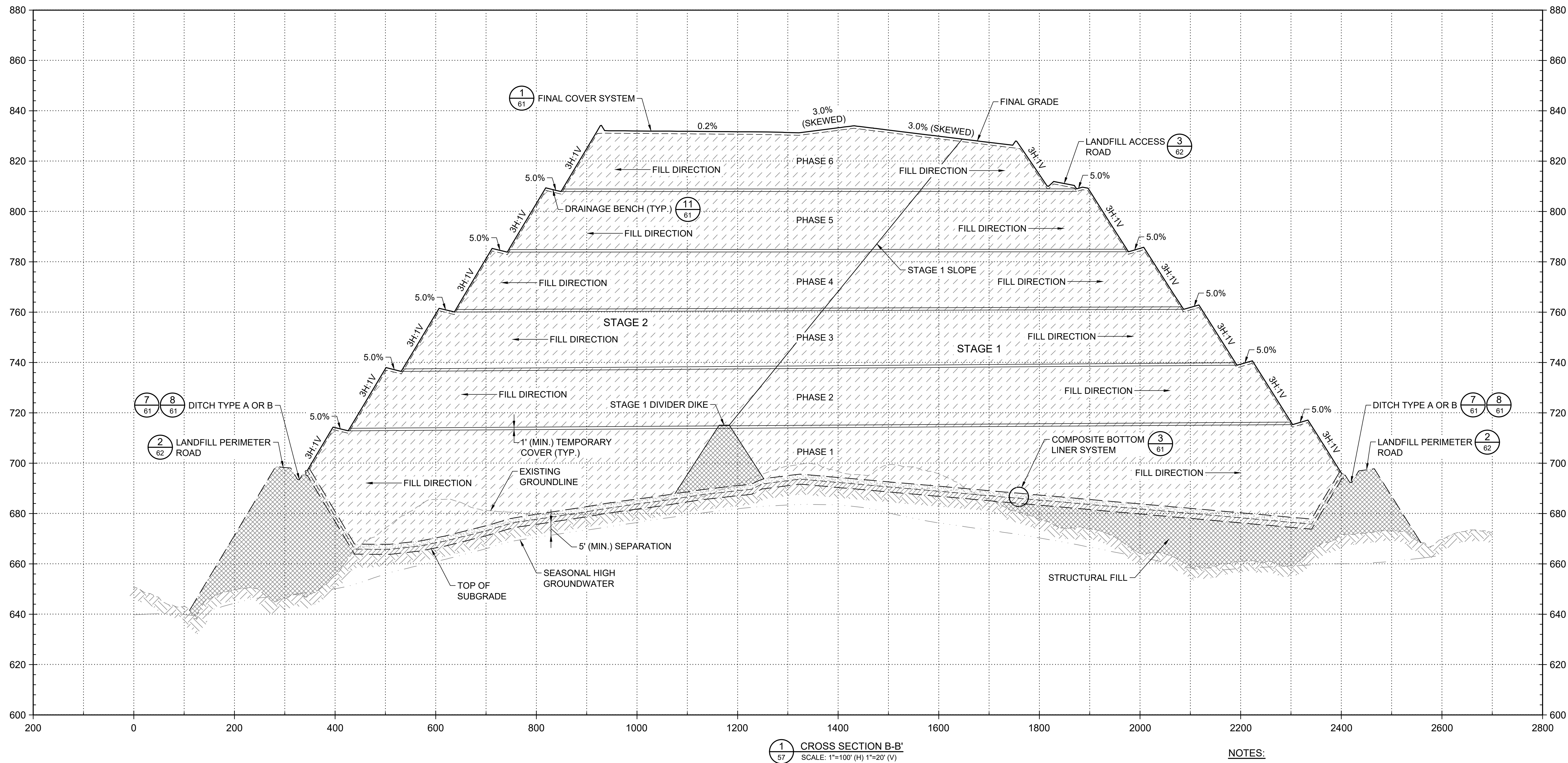
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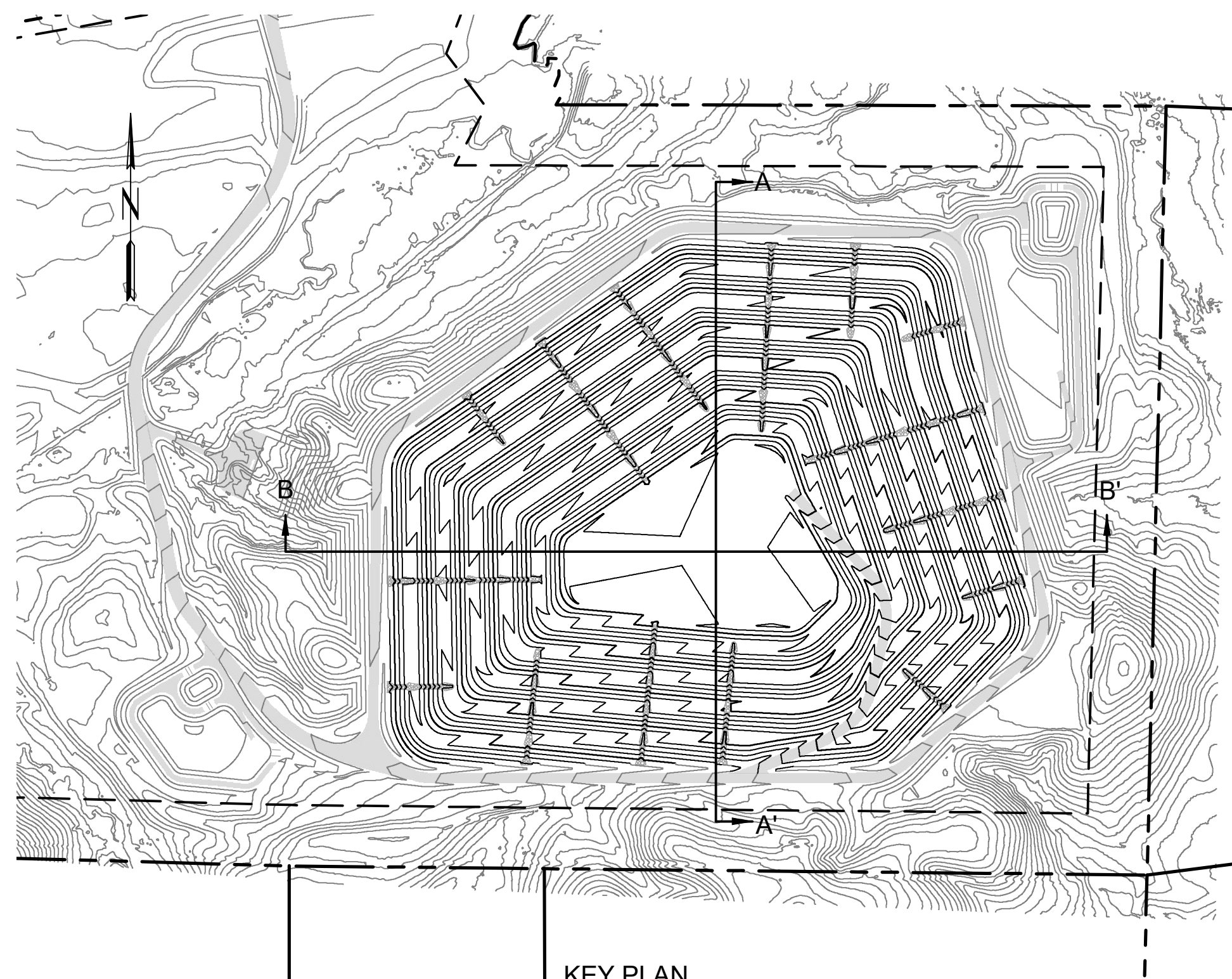
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NOTES:

- ILLUSTRATED COMPOSITE SEASONAL HIGH GROUNDWATER IS BASED ON PIEZOMETER READINGS BETWEEN 5/31/2022 AND 04/25/2023.
- I HAVE REVIEWED THE INFORMATION PRESENTED IN THIS DRAWING, AND IN MY PROFESSIONAL OPINION, ALL CONTAINMENT STRUCTURES ARE DESIGNED TO RESIST A MAXIMUM HORIZONTAL GROUND ACCELERATION OF 0.24G, OR THE MAXIMUM EXPECTED HORIZONTAL ACCELERATION AT THE GROUND SURFACE WITH A 98% OR GREATER PROBABILITY THAT THE ACCELERATION WILL NOT BE EXCEEDED IN 50 YEARS AS DETERMINED BY THE UNITED STATES GEOLOGIC SURVEY'S EARTHQUAKE HAZARDS PROGRAM, AS OF THE DATE OF PERMIT ISSUANCE, WHICHEVER IS MORE CONSERVATIVE.



SECTION OR DETAIL NO.
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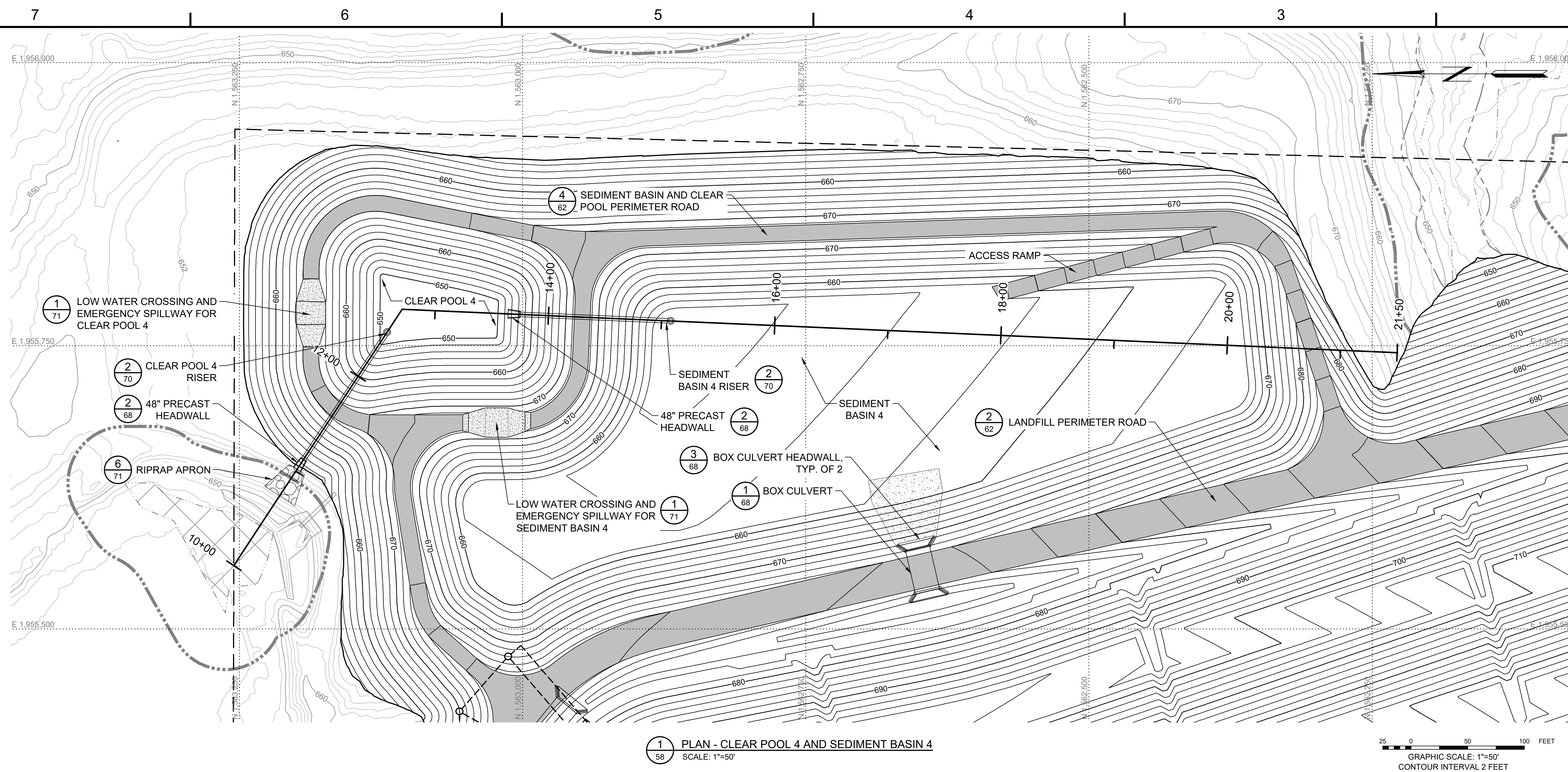
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Stantec Consulting Services, Inc.
FOR

GEORGIA POWER COMPANY

PLANT HAMMOND — HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
PARCEL F
CROSS SECTIONS

REVISION		DATE		REVISION		DATE		GEORGIA POWER COMPANY												
				ISSUED FOR CCR PERMIT APPLICATION				PLANT HAMMOND – HUFFAKER ROAD COAL COMBUSTION RESIDUALS DISPOSAL FACILITY PARCEL F CROSS SECTIONS												
BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR	MGR APPR	BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR	MGR APPR	SCALE	PROJ.I.D.	DRAWING NUMBER	SH	CONTD	REV	
							ACC	KDL	—	✕	✕	✕	✕	✕	AS SHOWN	175518236	—	57	FINAL	0



MAPPING SOURCE NOTES:

1. TOPOGRAPHIC AND PLANIMETRIC SURVEY INFORMATION FOR THE PLANS WERE OBTAINED FROM SURVEYS PERFORMED BY SOUTHERN COMPANY SERVICES, INC. DATED MARCH 2008 AND JANUARY 2016, AND CONTOURS OBTAINED FROM DIGITAL TERRAIN MODELS OF AERIAL LIDAR SURVEYS DATED NOVEMBER 2019 AND FEBRUARY 2022, SUPPLEMENTED WITH AERIAL LIDAR SURVEYS DATED JANUARY 2021, APRIL 2022, AND AUGUST 2022.

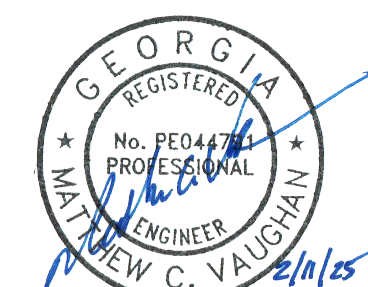
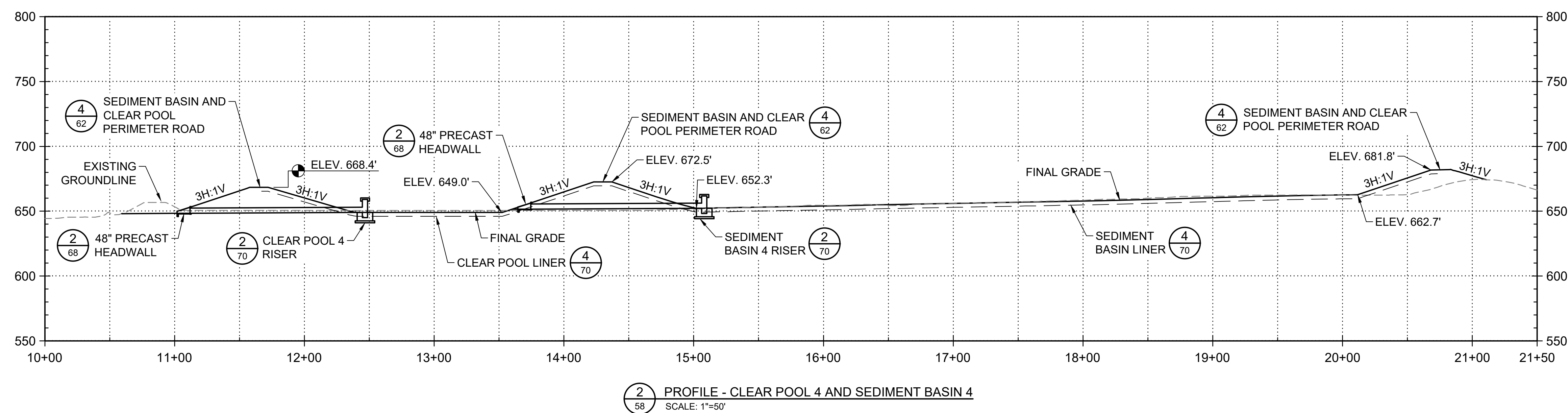
NOTES:

1. PROPOSED CONTOURS REPRESENT THE TOP OF THE SUBGRADE LAYER.

2. I HAVE REVIEWED THE INFORMATION PRESENTED IN THIS DRAWING, AND IN MY PROFESSIONAL OPINION, ALL CONTAINMENT STRUCTURES ARE DESIGNED TO RESIST A MAXIMUM HORIZONTAL GROUND ACCELERATION OF 0.24G, OR THE MAXIMUM EXPECTED HORIZONTAL ACCELERATION AT THE GROUND SURFACE WITH A 98% OR GREATER PROBABILITY THAT THE ACCELERATION WILL NOT BE EXCEEDED IN 50 YEARS AS DETERMINED BY THE UNITED STATES GEOLOGIC SURVEY'S EARTHQUAKE HAZARDS PROGRAM, AS OF THE DATE OF PERMIT ISSUANCE, WHICHEVER IS MORE CONSERVATIVE.

LEGEND

	EXISTING INDEX CONTOUR
	EXISTING INTERMEDIATE CONTOUR
	ELECTRIC LINE
	FIBER OPTIC LINE
	RAILROAD
	PROPERTY LINE
	LIMIT OF UNDISTURBED BUFFER
	WETLANDS BUFFER
	STREAM BUFFER
	WETLANDS
	RIPRAP
	POWER POLE
	SURVEY IRON PIN
	SURVEY CONTROL MONUMENT
	PROPOSED INDEX CONTOUR
	PROPOSED INTERMEDIATE CONTOUR



ISSUED FOR PERMIT

Stantec Consulting Services, Inc.
FOR

GEORGIA POWER COMPANY

PLANT HAMMOND - HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
PARCEL F
SEDIMENT BASIN AND CLEAR POOL 4
PLAN & PROFILE

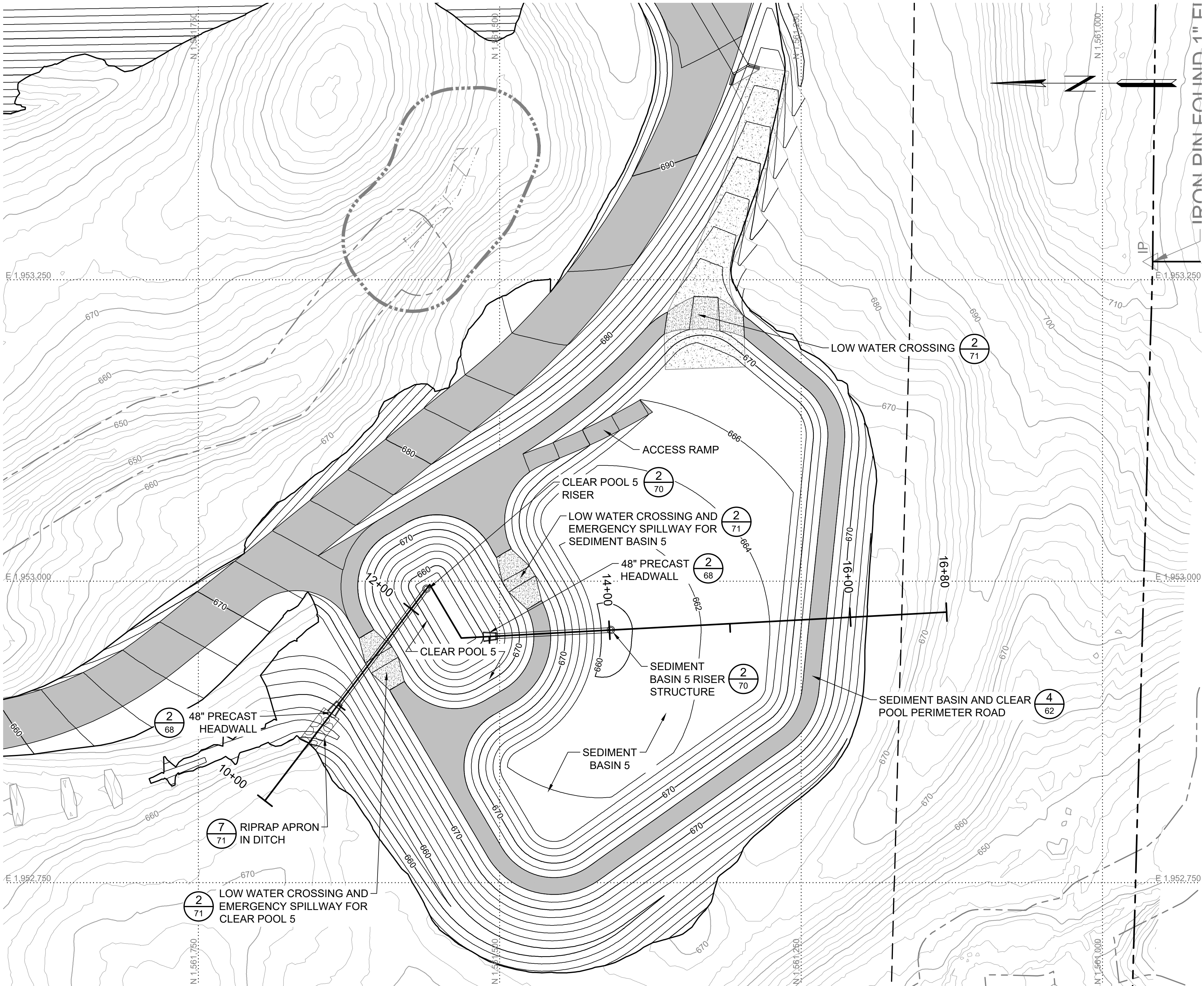
REVISION		DATE		REVISION 0		DATE FEBRUARY 2025		<div>GEORGIA POWER COMPANY</div> <div>PLANT HAMMOND – HUFFAKER ROAD</div> <div>COAL COMBUSTION RESIDUALS DISPOSAL FACILITY</div> <div>PARCEL F</div> <div>SEDIMENT BASIN AND CLEAR POOL 4</div> <div>PLAN & PROFILE</div>											
				ISSUED FOR CCR PERMIT APPLICATION															
BY	CHKD	CIVIL APPR	ELECT APPR	VC APPR	MECH APPR	MGR APPR	BY	CHKD	CIVIL APPR	ELECT APPR	VC APPR	MECH APPR	MGR APPR	SCALE	PROJ ID	DRAWING NUMBER	SH	CONTD	REV
							ACC	KDL	–	✕	✕	✕	✕	AS SHOWN	175518235	■	58	FINAL	

ANSI F: 28x40

AUTOCAD 2023

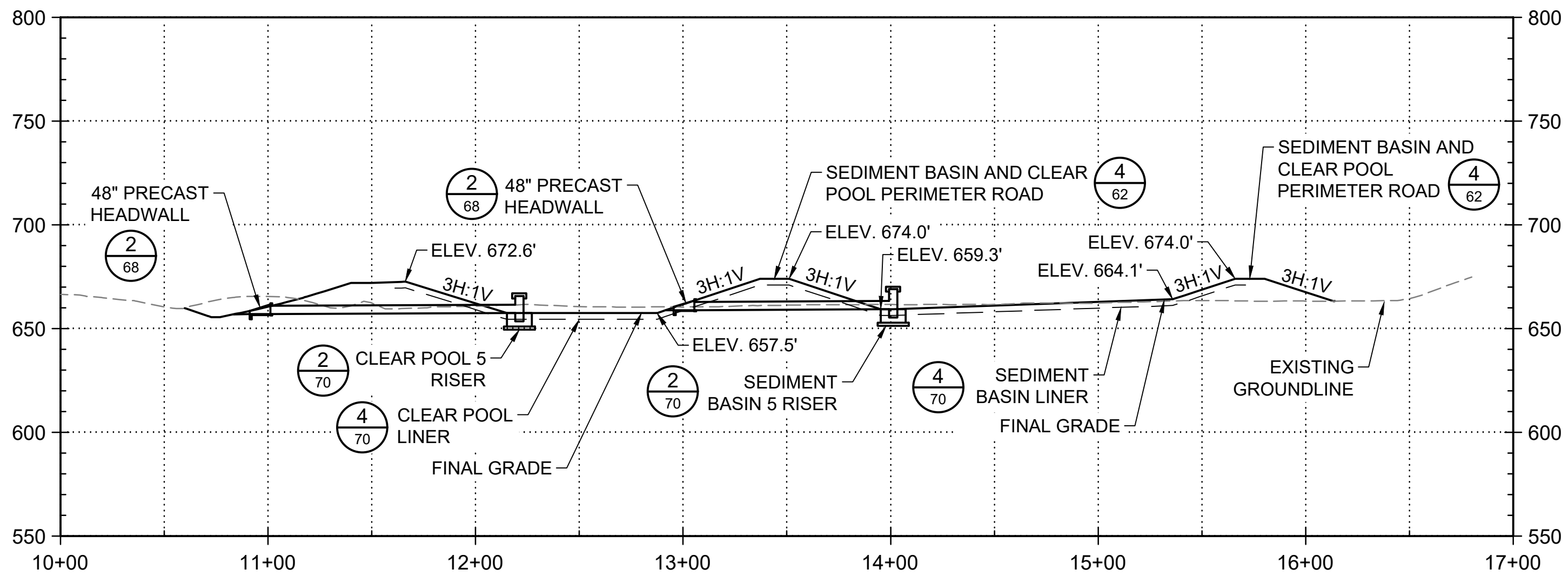
SECTION OR DETAIL NO
TARGET DRAWING
REFERENCE KEY

LOT DATE: 2/6/2025 USER: MCKINNEY, JIMMY
UNOS622-PPFSS01SHARED PROJECTS\175518236\TECHNICAL PRODUCTION\DRAWING\HRL PERMIT\REV01\SHEET FILES\58 18236 P-F BSN4 DWG



1 PLAN - CLEAR POOL 5 AND SEDIMENT BASIN 5
SCALE: 1"=50'

25 0 50 100 FEET
GRAPHIC SCALE: 1"=50'
CONTOUR INTERVAL 2 FEET



2 PROFILE - CLEAR POOL 5 AND SEDIMENT BASIN 5
SCALE: 1"=50'

SECTION OR DETAIL NO.
TARGET DRAWING
REFERENCE KEY

- MAPPING SOURCE NOTES:**
- TOPOGRAPHIC AND PLANIMETRIC SURVEY INFORMATION FOR THE PLANS WERE OBTAINED FROM SURVEYS PERFORMED BY SOUTHERN COMPANY SERVICES, INC. DATED MARCH 2008 AND JANUARY 2016; AND CONTOURS OBTAINED FROM DIGITAL TERRAIN MODELS OF AERIAL LIDAR SURVEYS DATED NOVEMBER 2019 AND FEBRUARY 2022, SUPPLEMENTED WITH AERIAL LIDAR SURVEYS DATED JANUARY 2021, APRIL 2022, AND AUGUST 2022.
 - ALL COORDINATES ARE BASED ON NORTH AMERICAN DATUM 83 (NAD 83), GEORGIA STATE PLANE, WEST ZONE. ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88).

- NOTES:**
- PROPOSED CONTOURS REPRESENT THE TOP OF THE SUBGRADE LAYER.
 - I HAVE REVIEWED THE INFORMATION PRESENTED IN THIS DRAWING, AND IN MY PROFESSIONAL OPINION, ALL CONTAINMENT STRUCTURES ARE DESIGNED TO RESIST A MAXIMUM HORIZONTAL GROUND ACCELERATION OF 0.24G, OR THE MAXIMUM EXPECTED HORIZONTAL ACCELERATION AT THE GROUND SURFACE WITH A 98% OR GREATER PROBABILITY THAT THE ACCELERATION WILL NOT BE EXCEEDED IN 50 YEARS AS DETERMINED BY THE UNITED STATES GEOLOGIC SURVEY'S EARTHQUAKE HAZARDS PROGRAM, AS OF THE DATE OF PERMIT ISSUANCE, WHICHEVER IS MORE CONSERVATIVE.

- LEGEND**
- EXISTING INDEX CONTOUR
 - EXISTING INTERMEDIATE CONTOUR
 - ELECTRIC LINE
 - FIBER OPTIC LINE
 - RAILROAD
 - PROPERTY LINE
 - LIMIT OF UNDISTURBED BUFFER
 - WETLANDS BUFFER
 - STREAM BUFFER
 - WETLANDS
 - RIPRAP
 - POWER POLE
 - SURVEY IRON PIN
 - SURVEY CONTROL MONUMENT
 - PROPOSED INDEX CONTOUR
 - PROPOSED INTERMEDIATE CONTOUR



ISSUED FOR PERMIT

Stantec Consulting Services, Inc.
FOR

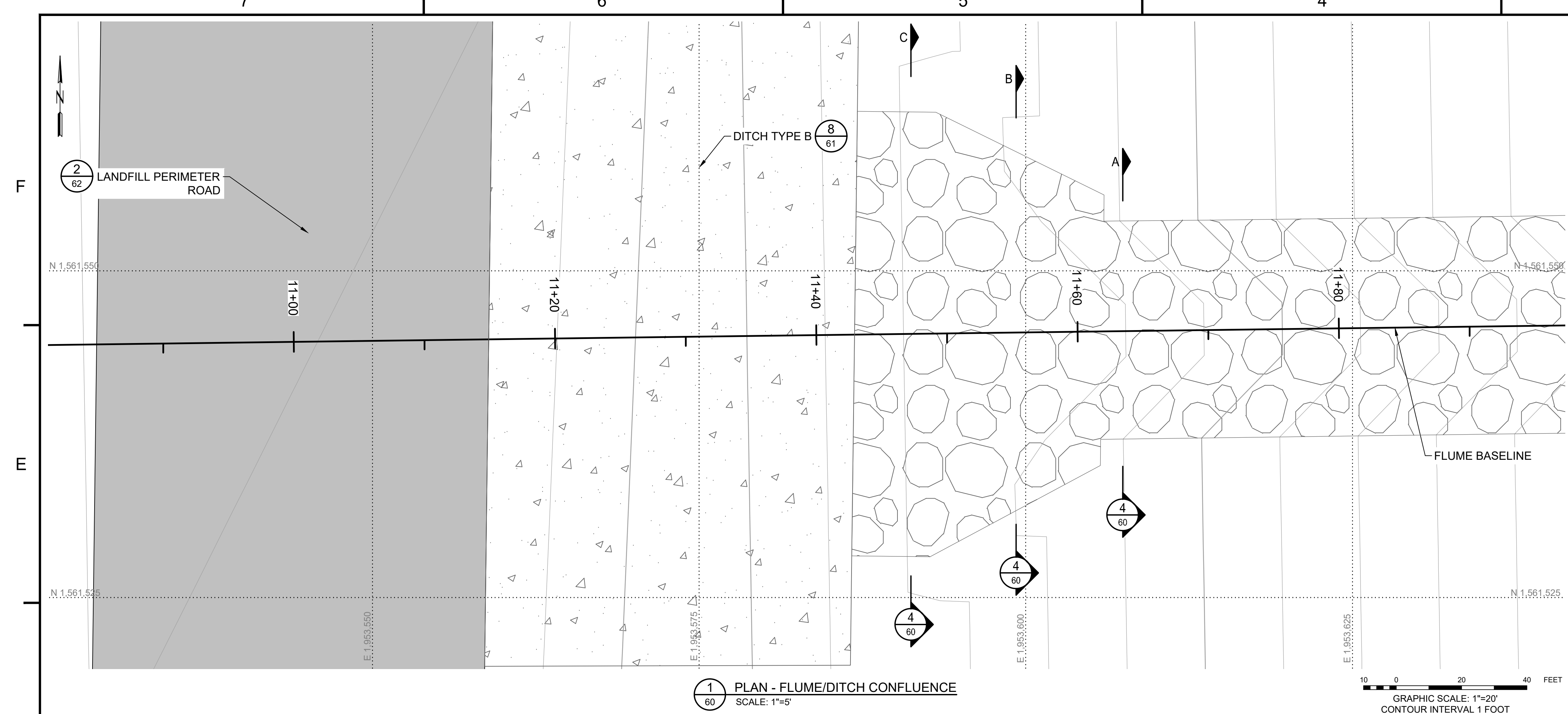
GEORGIA POWER COMPANY

PLANT HAMMOND — HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
PARCEL F
SEDIMENT BASIN AND CLEAR POOL 5
PLAN & PROFILE

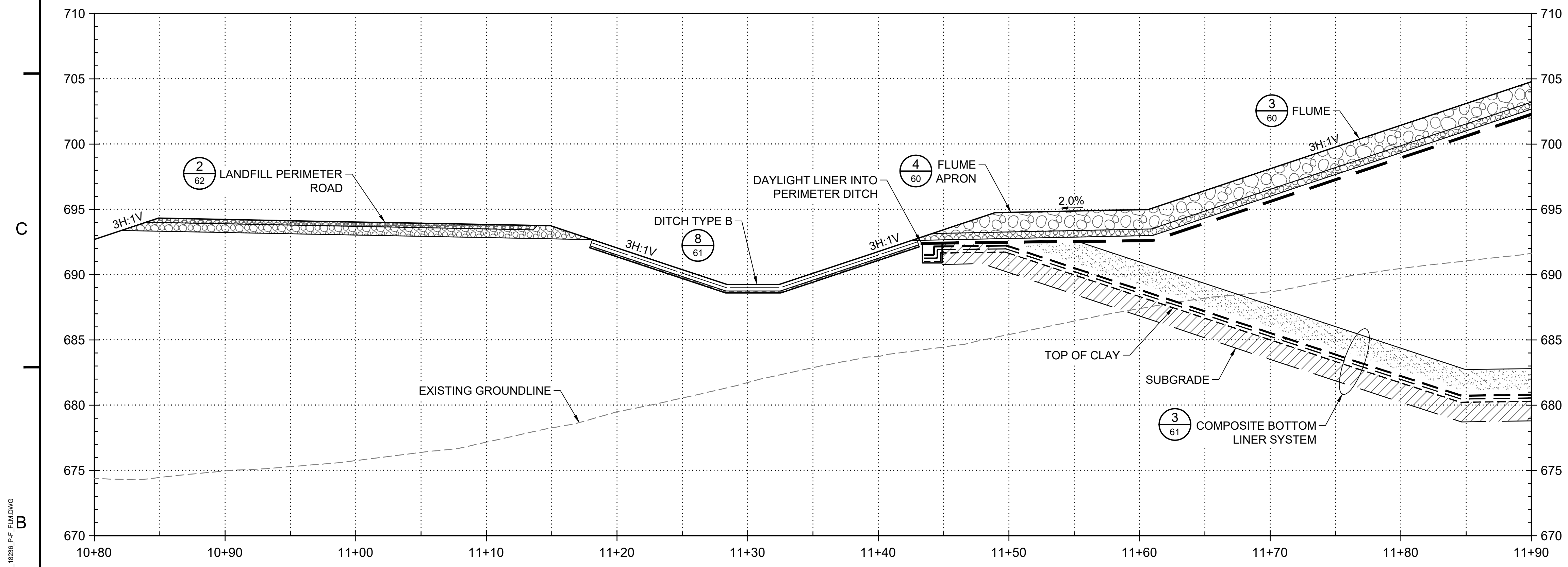
REVISION			DATE			REVISION			DATE				
						0			FEBRUARY 2025				
						ISSUED FOR CCR PERMIT APPLICATION							
BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR	MGR APPR	BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR	MGR APPR
							ACC	KDL	-				

SCALE	PROJ I.D.	DRAWING NUMBER	SH	CONTO	REV
AS SHOWN	175518236	-	59	FINAL	0

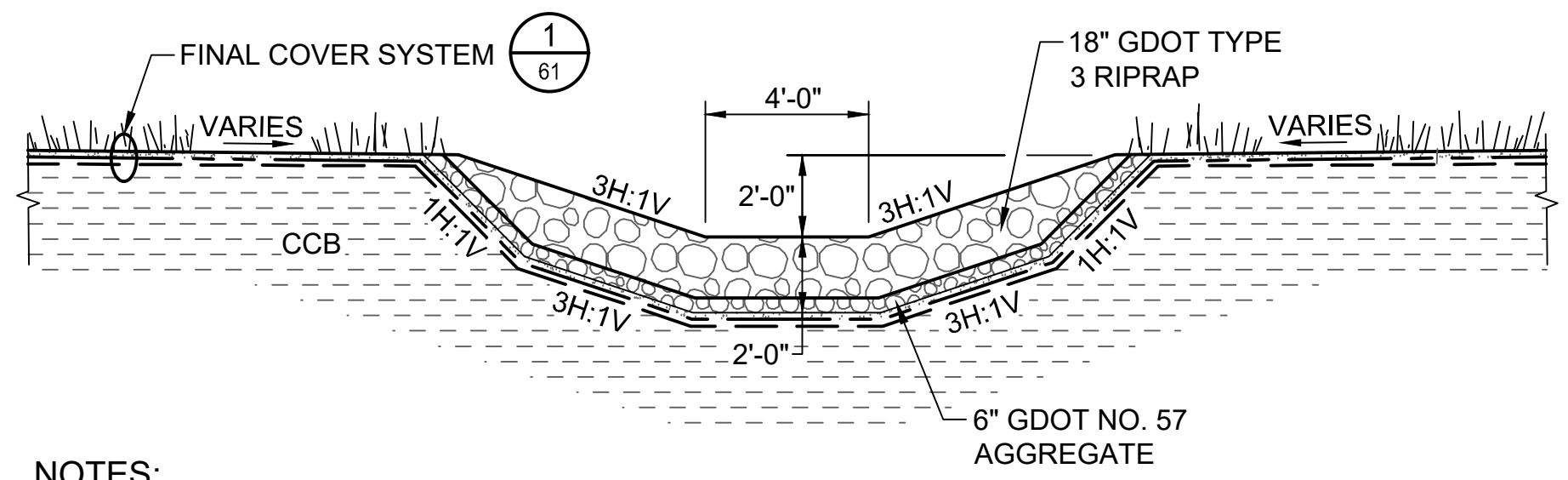
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PLOT DATE: 2/25/25 USER: HUFFAKER, JAWY
\\06202\apps\ssd\user\huffaker\technical_production\drawings\rl_permit\residuals\sheet_files\60_10236_P.FLWDWG



1 PLAN - FLUME/DITCH CONFLUENCE
SCALE: 1"=20'

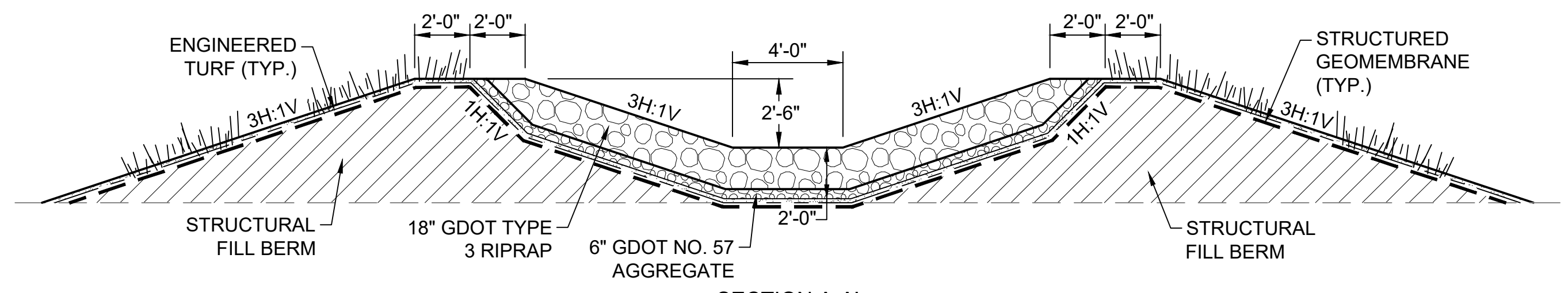


2 PROFILE - FLUME/DITCH CONFLUENCE
SCALE: 1"=5'

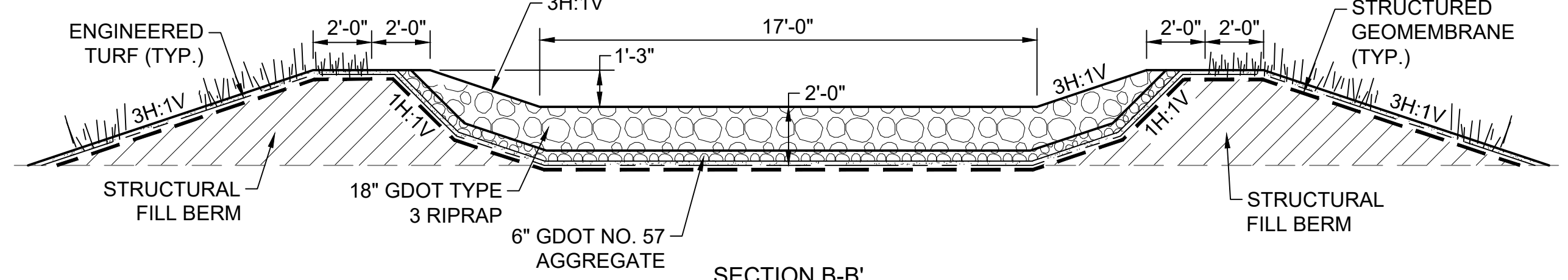


NOTES:
1. ILLUSTRATED IS THE CLOSURE CAP SYSTEM OPTION. THE FINAL COVER OPTION HAS THE SAME FINAL ELEVATION/GRADES BUT THE TOP OF WASTE (CCB) ELEVATION IS REDUCED TO ACCOUNT FOR THE 6-INCH TOPSOIL AND 18-INCH PROTECTIVE SOIL COVER LAYERS.
2. FLUME SIDE SLOPES MAY BE REDUCED TO 10H:1V AT BENCH LOCATIONS TO ALLOW VEHICLE CROSSING.

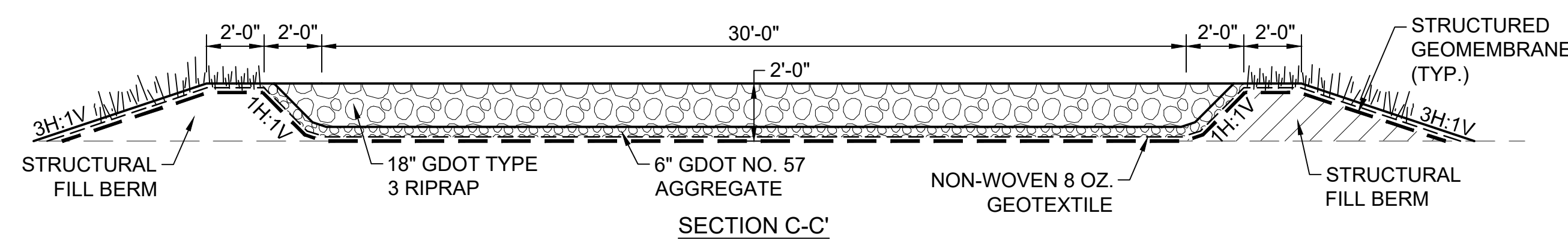
3 DETAIL - FLUME
SCALE: 1/4"=1'-0"



SECTION A-A'



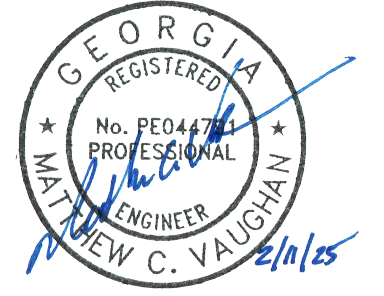
SECTION B-B'



SECTION C-C'

NOTE:
THE TRANSITION FROM DETAIL 3 OF 11 TO SECTION A-A' OCCURS JUST AFTER THE SLOPE TRANSITION FROM A 3H:1V.

4 DETAIL - FLUME APRON
SCALE: 1/4"=1'-0"



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Stantec Consulting Services, Inc.
FOR
GEORGIA POWER COMPANY
PLANT HAMMOND — HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
PARCEL F
FLUME PLAN, PROFILE AND DETAILS

REVISION	DATE	REVISION	DATE
		0	FEBRUARY 2025
		ISSUED FOR CCR PERMIT APPLICATION	
BY	CHKD	CIVIL APPR	ELECT APPR
ACC	KDL		

SCALE	PROJ. I.D.	DRAWING NUMBER	SH	CONTD	REV
AS SHOWN	175518236		60	FINAL	0

SECTION OR DETAIL NO.
TARGET DRAWING
REFERENCE KEY

PLT DATE: 2/25/25 USER: MCHANEY, JERRY
\\US02APPSP01\ISSUED_PROJECTS\175518236\TECHNICAL_PRODUCTION\DRAWINGS\REL_PERMITS\WKSHEET_FILES\61_18236_P.F. DTG

F

E

D

C

B

A

F

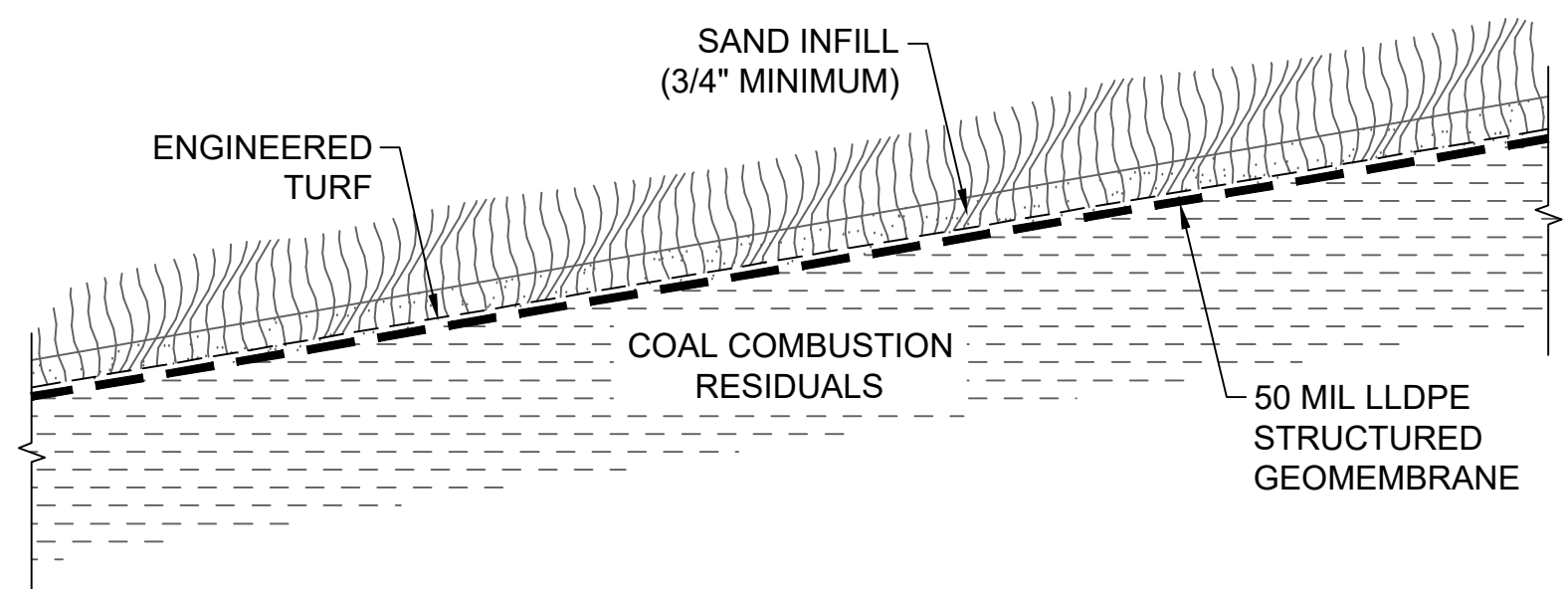
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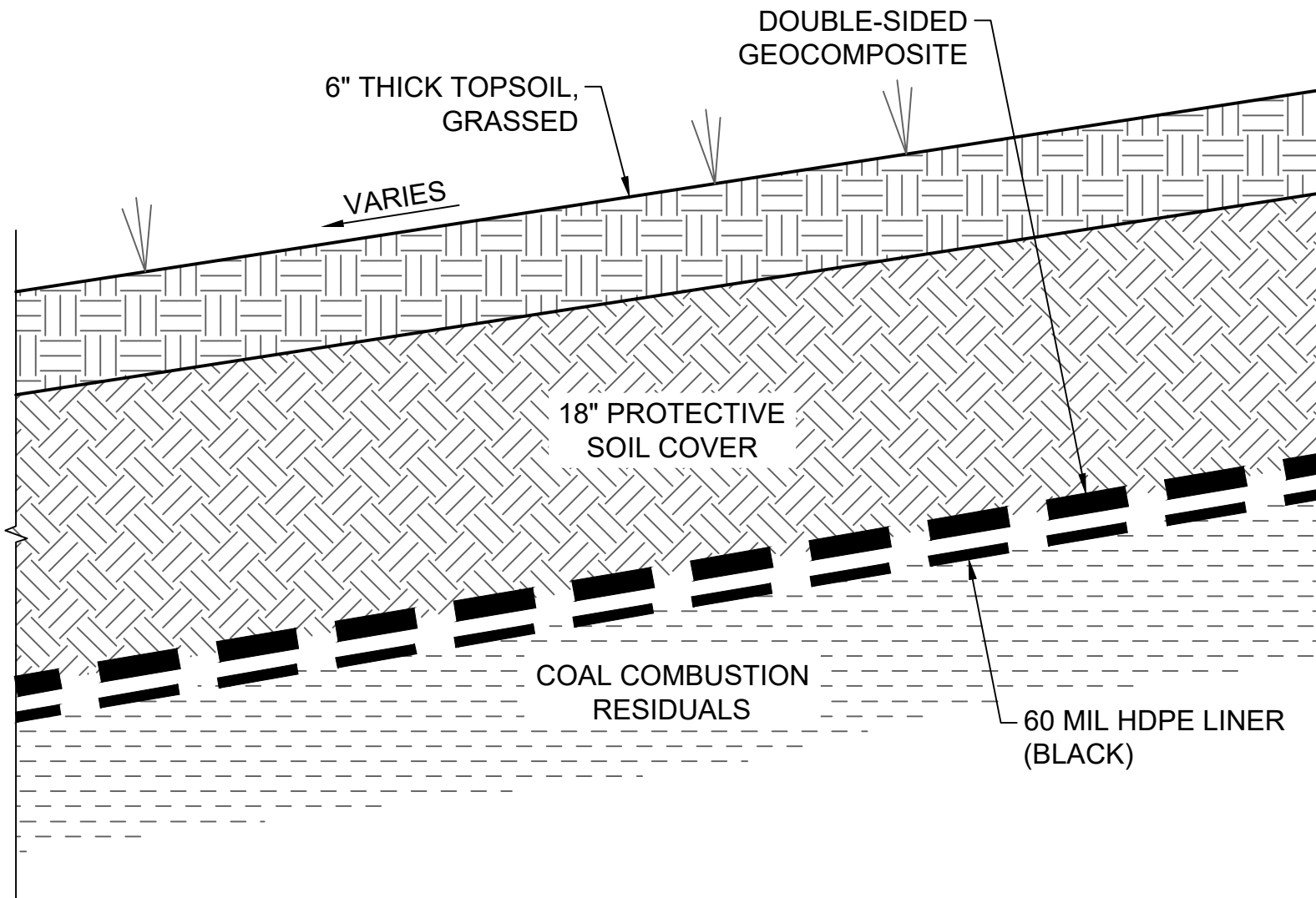
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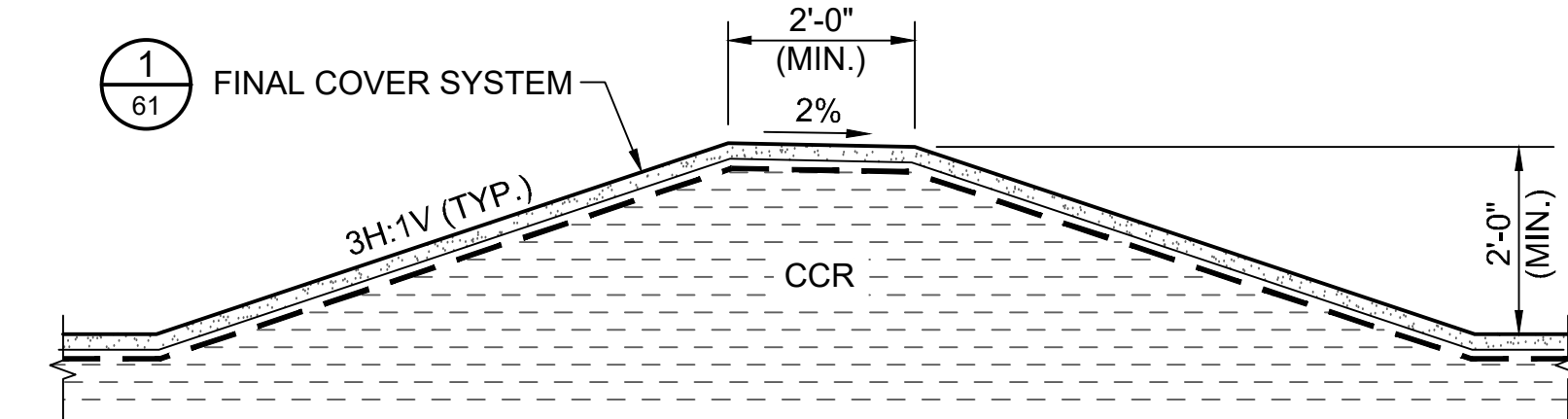
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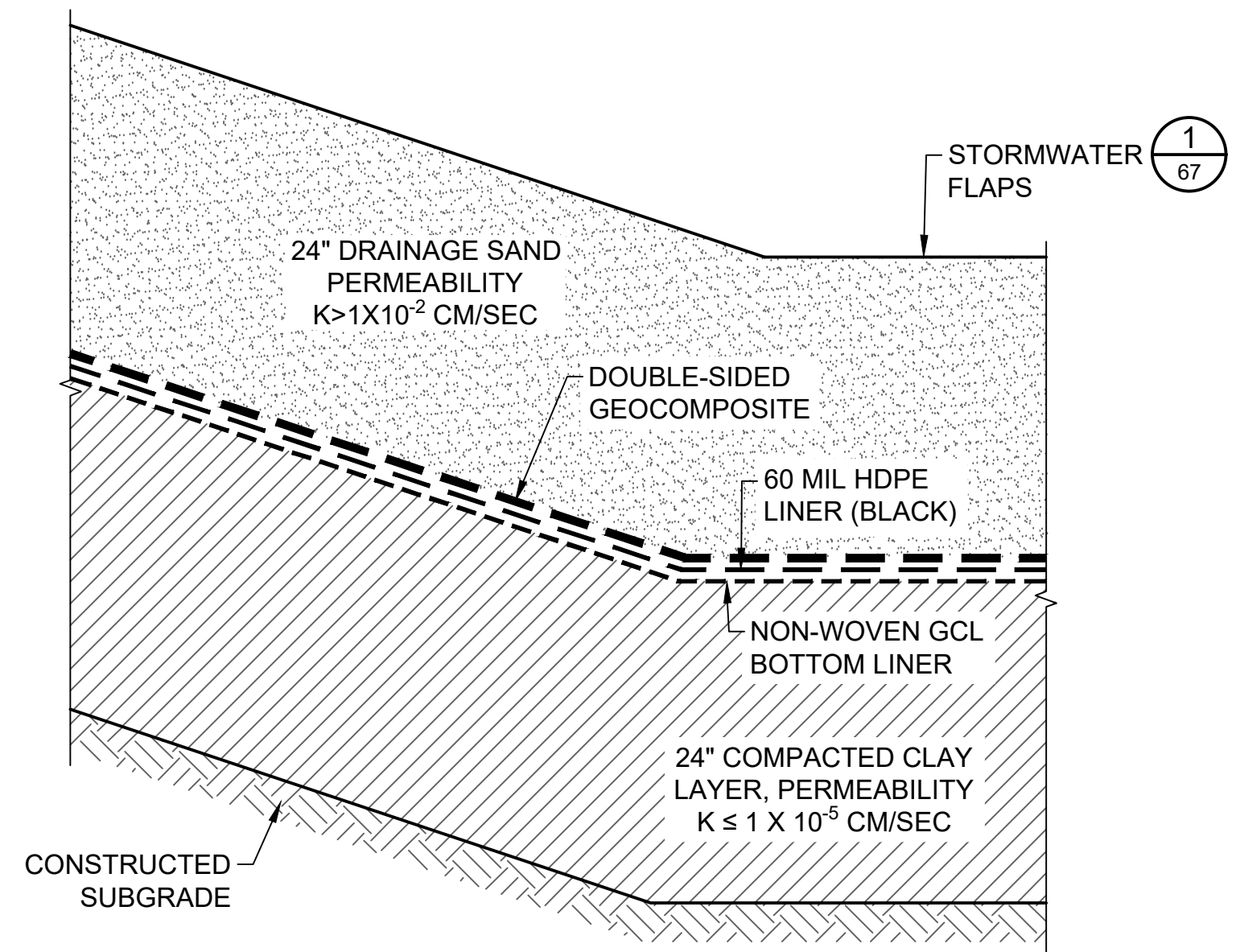
OPTION 1 - ENGINEERED TURF COVER



OPTION 2 - SOIL COVER

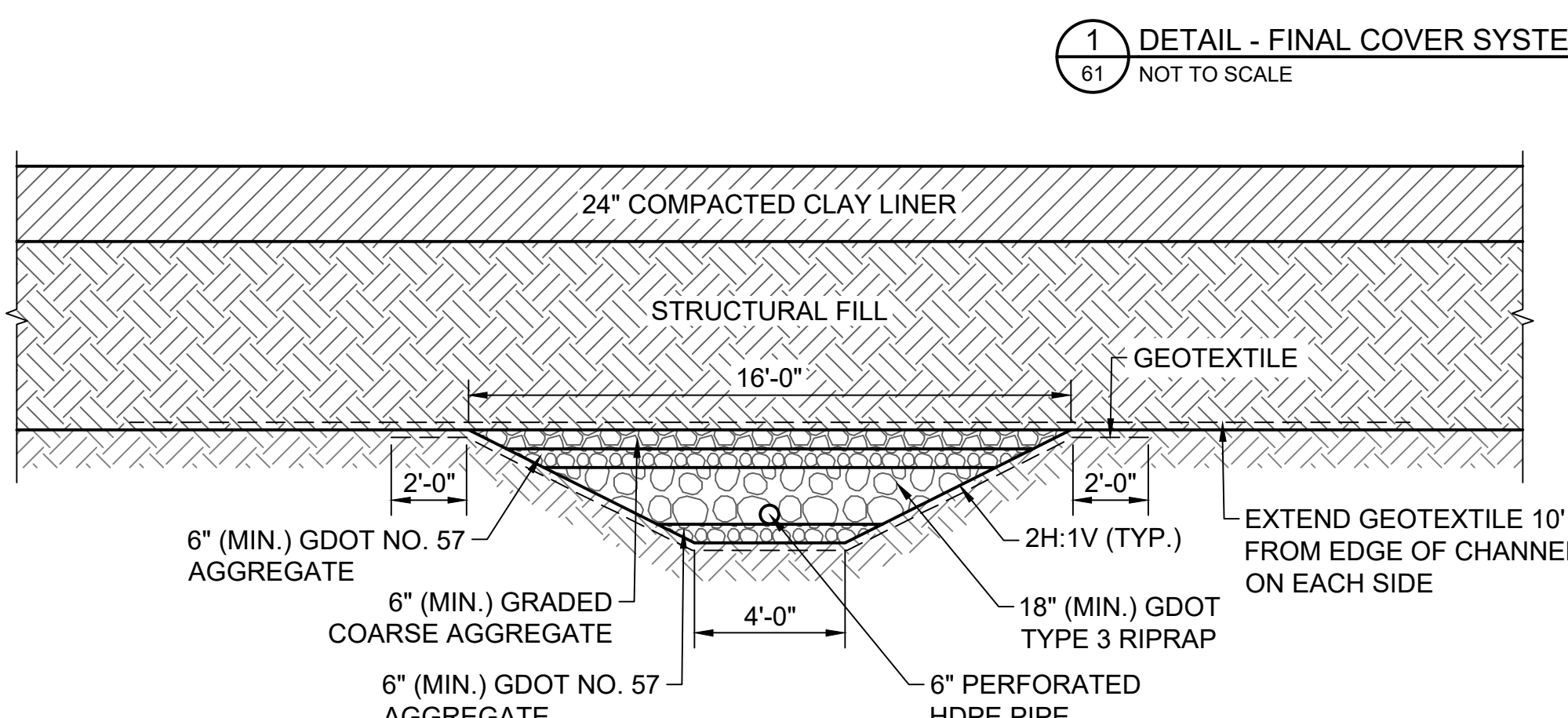


NOTE:
ILLUSTRATED IS THE ENGINEERED TURF COVER OPTION. THE SOIL COVER OPTION HAS THE SAME FINAL ELEVATION/GRADES BUT THE TOP OF WASTE (CCR) ELEVATION IS REDUCED TO ACCOUNT FOR THE 6-INCH TOPSOIL AND 18-INCH PROTECTIVE SOIL COVER LAYERS.

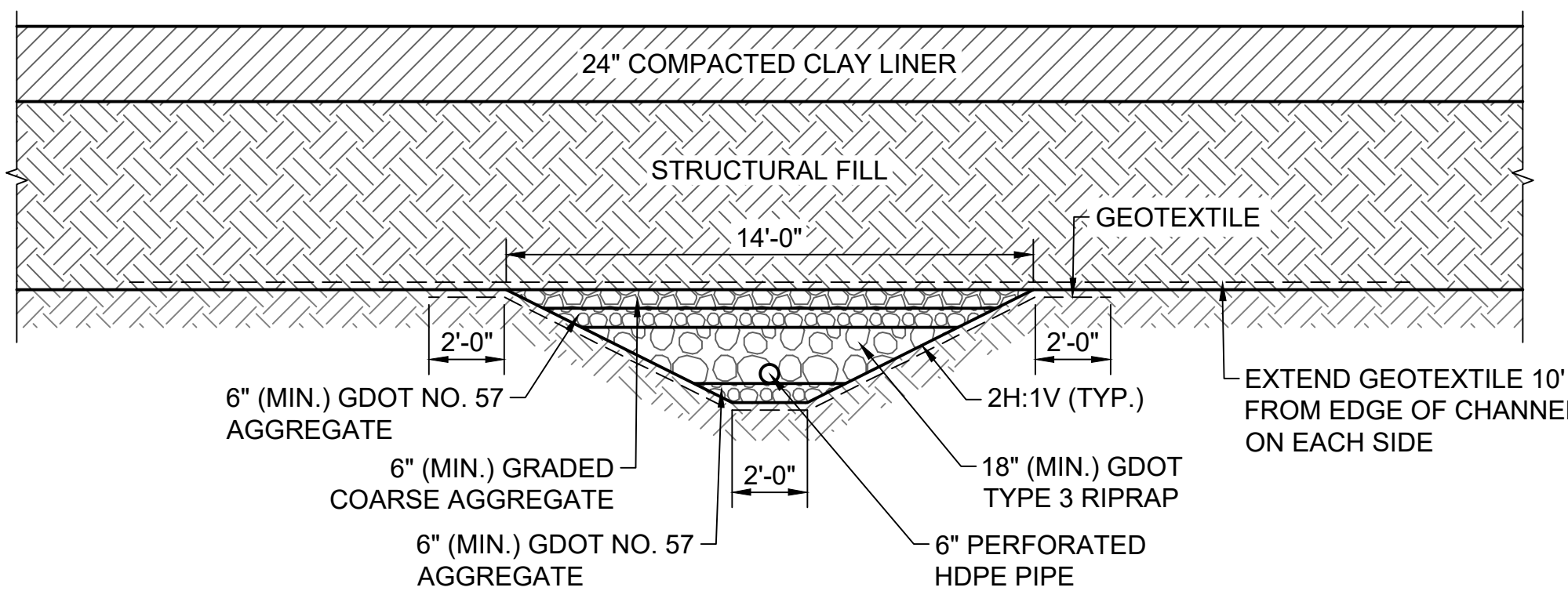


NOTES:
1. SEPARATOR GEOTEXTILE SHALL BE USED ON TOP OF SAND/COAL COMBUSTION RESIDUALS INTERFACE IF TESTING RESULTS INDICATE FILTER CRITERIA NOT MET.
2. CONTRACTOR MAY OMIT THE NON-WOVEN GCL BOTTOM LINER IF A PERMEABILITY OF $K \leq 1 \times 10^{-7}$ CM/SEC CAN BE ACHIEVED FOR THE COMPACTED CLAY LAYER.

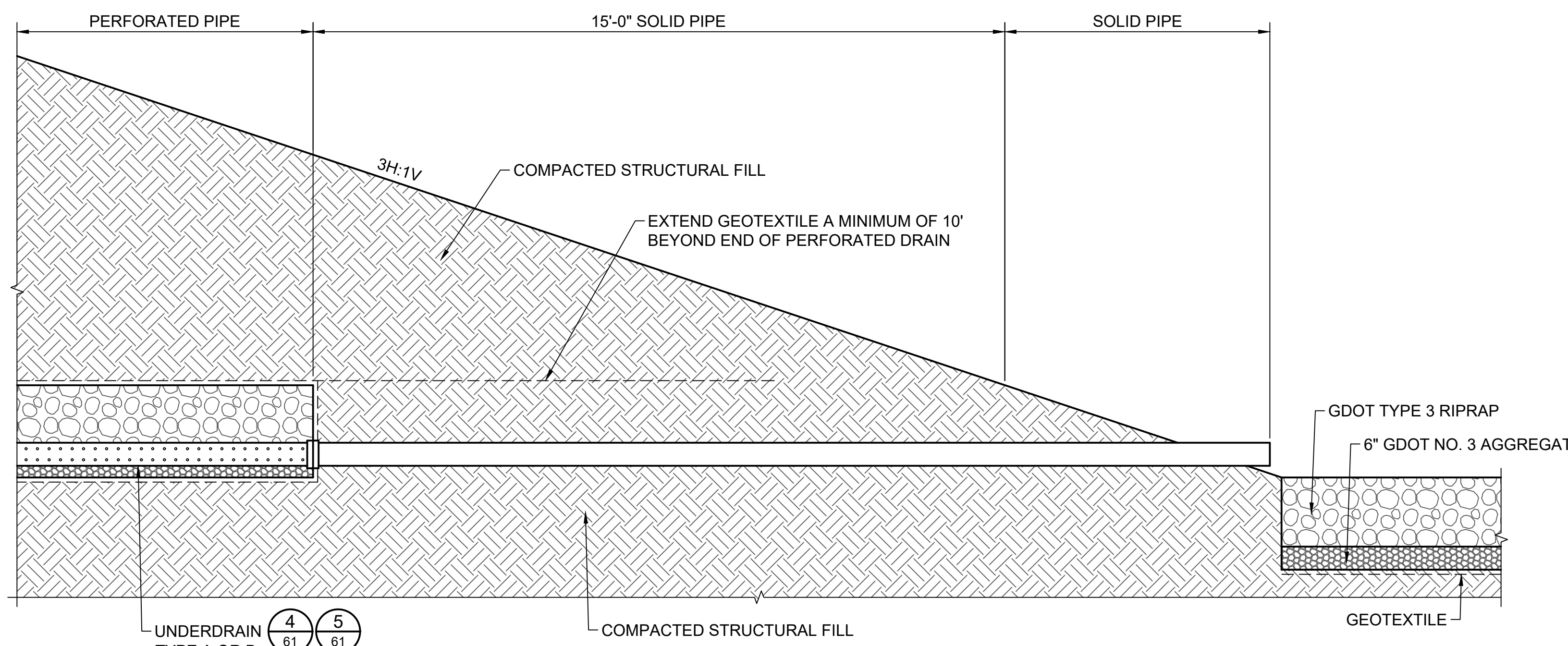
3 61 DETAIL - COMPOSITE BOTTOM LINER SYSTEM
SCALE: 1"=1'-0"



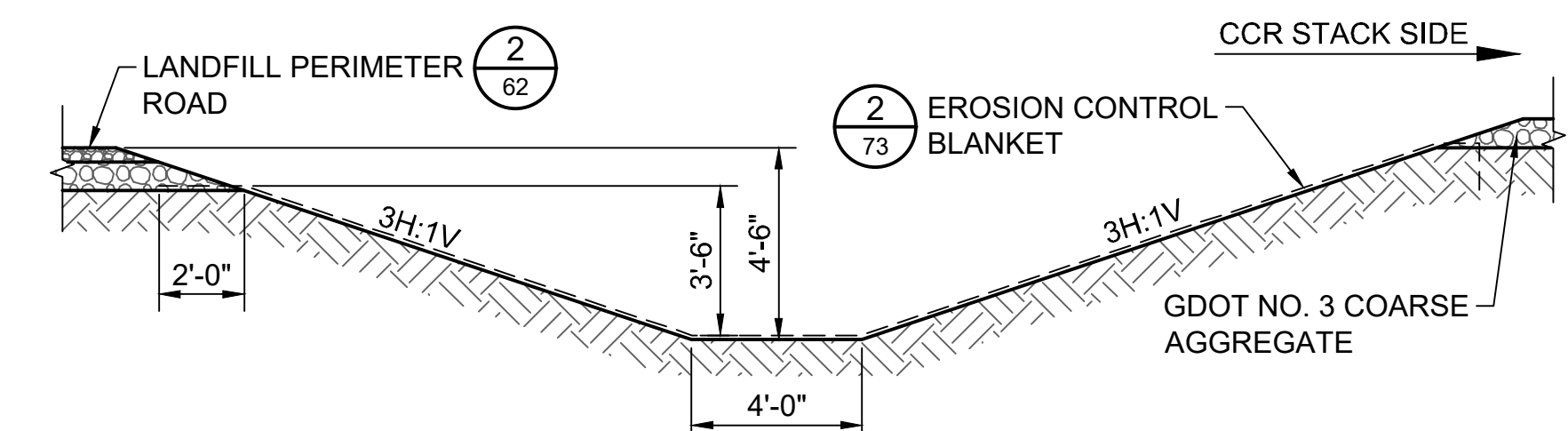
4 61 DETAIL - UNDERDRAIN TYPE A
SCALE: 1/4"=1'-0"



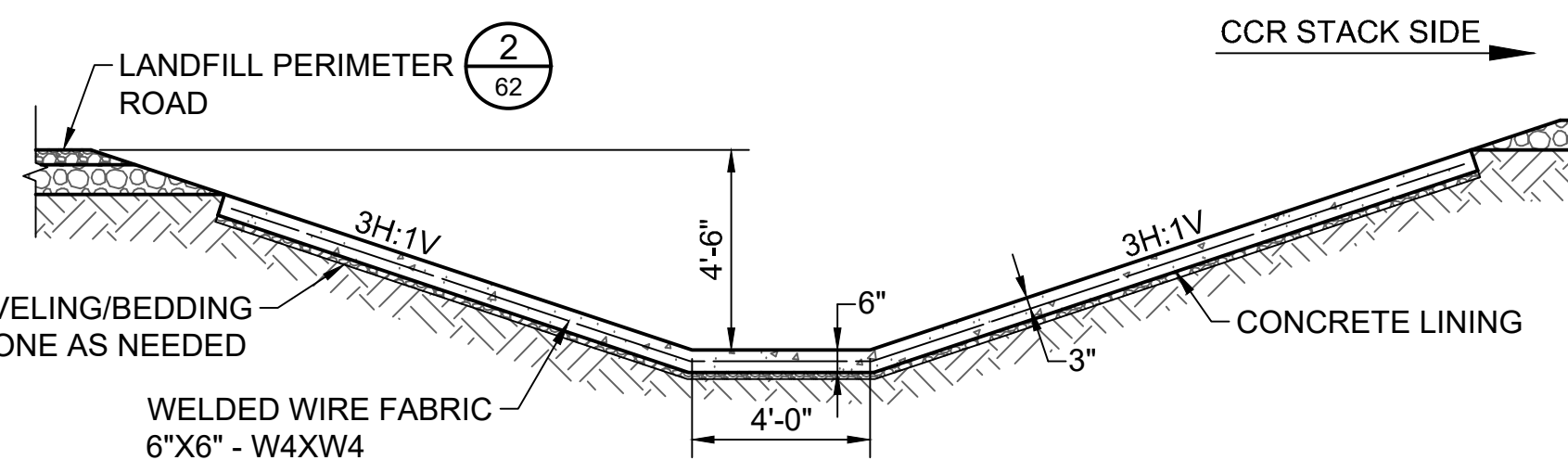
5 61 DETAIL - UNDERDRAIN TYPE B
SCALE: 1/4"=1'-0"



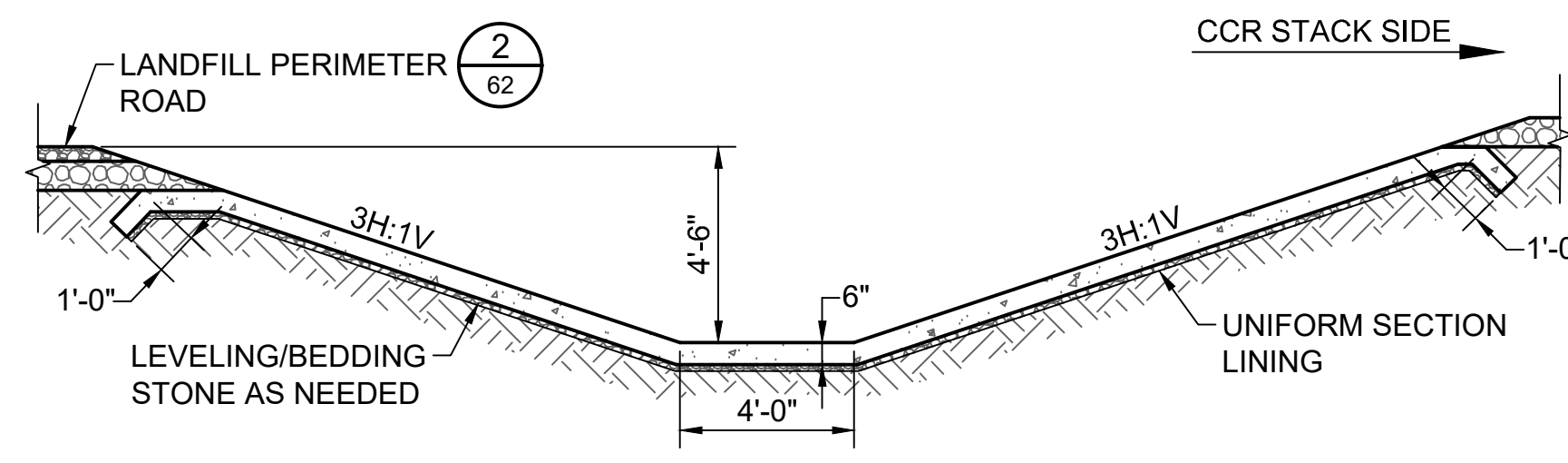
6 61 DETAIL - UNDERDRAIN OUTLET
SCALE: 1/2"=1'-0"



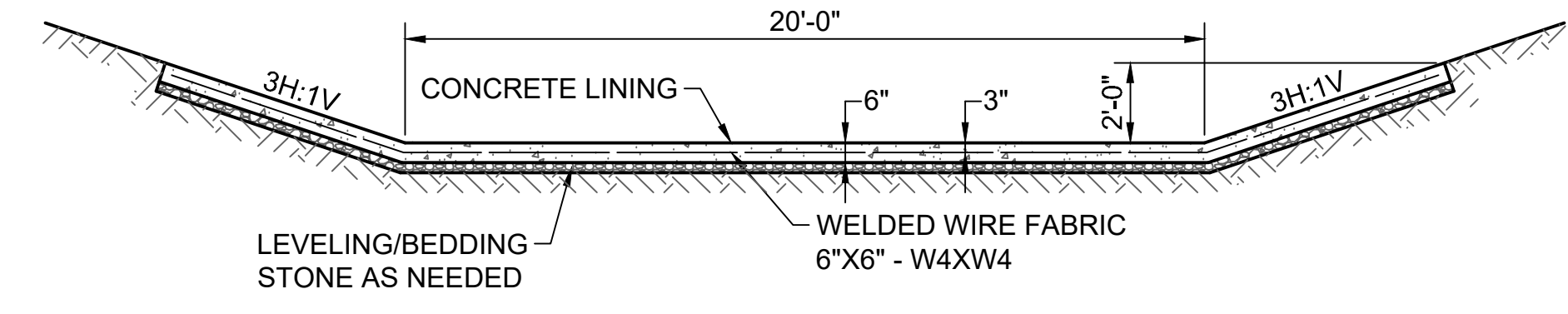
7 61 DETAIL - DITCH TYPE A
SCALE: 1/4"=1'-0"



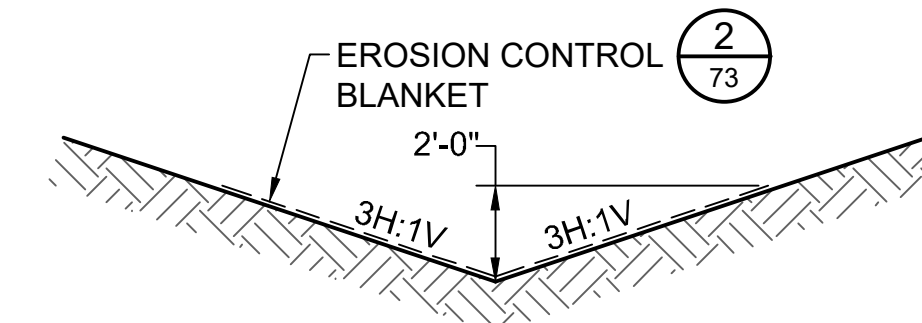
OPTION 1 - CONCRETE LINING



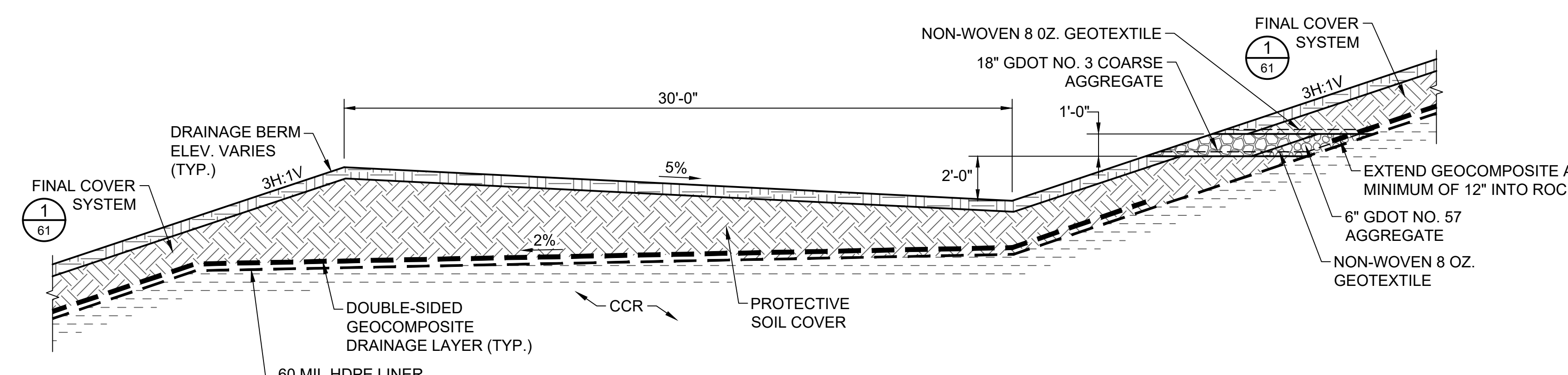
OPTION 2 - UNIFORM SECTION LINING



9 61 DETAIL - DITCH TYPE C
SCALE: 1/4"=1'-0"



7 73 EROSION CONTROL BLANKET
SCALE: 1/4"=1'-0"



1 61 DETAIL - DRAINAGE BENCH (FINAL COVER OPTION)
SCALE: 1/4"=1'-0"

SECTION OR DETAIL NO.
TARGET DRAWING
REFERENCE KEY



ISSUED FOR PERMIT

Stantec Consulting Services, Inc.
FOR

GEORGIA POWER COMPANY

PLANT HAMMOND — HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
PARCEL F
DETAILS

REVISION		DATE	REVISION		DATE
			0		FEBRUARY 2025
			ISSUED FOR CCR PERMIT APPLICATION		
BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR
BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR
BMS	KDL				
SCALE	PROJ. I.D.	DRAWING NUMBER	SH	CONTD.	REV
AS SHOWN	175518236		61	FINAL	0

PLT DATE: 2/2/2025 USER: MCHANEY, JMMY
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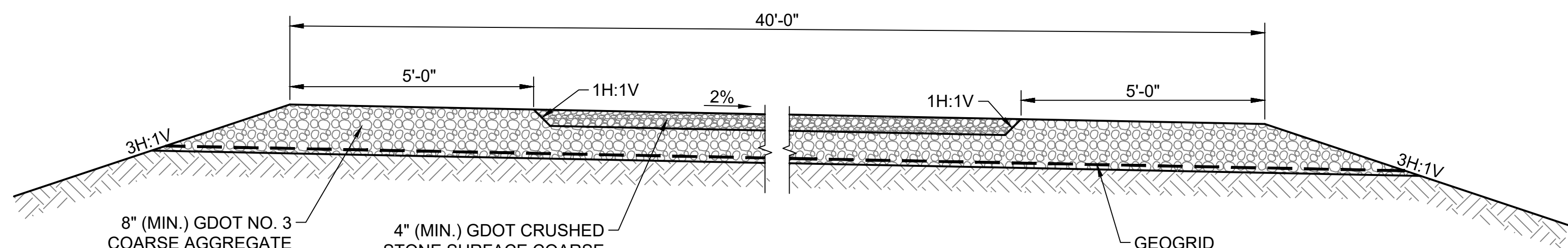
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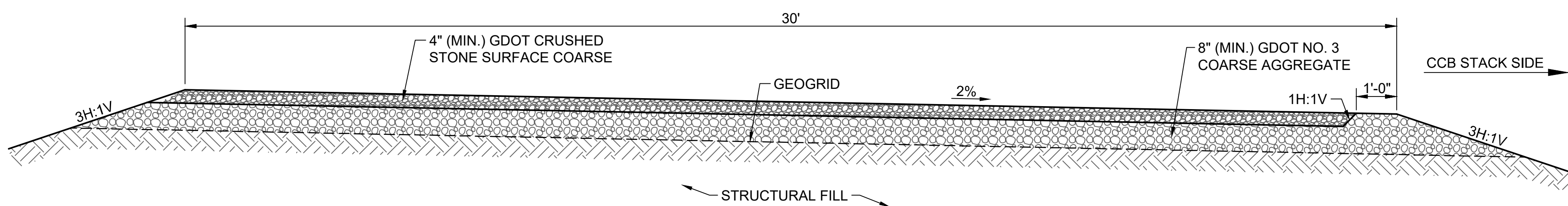
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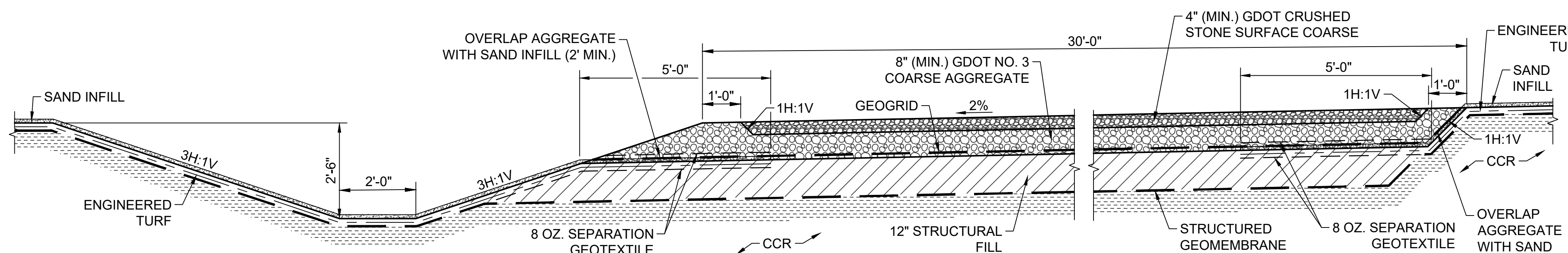
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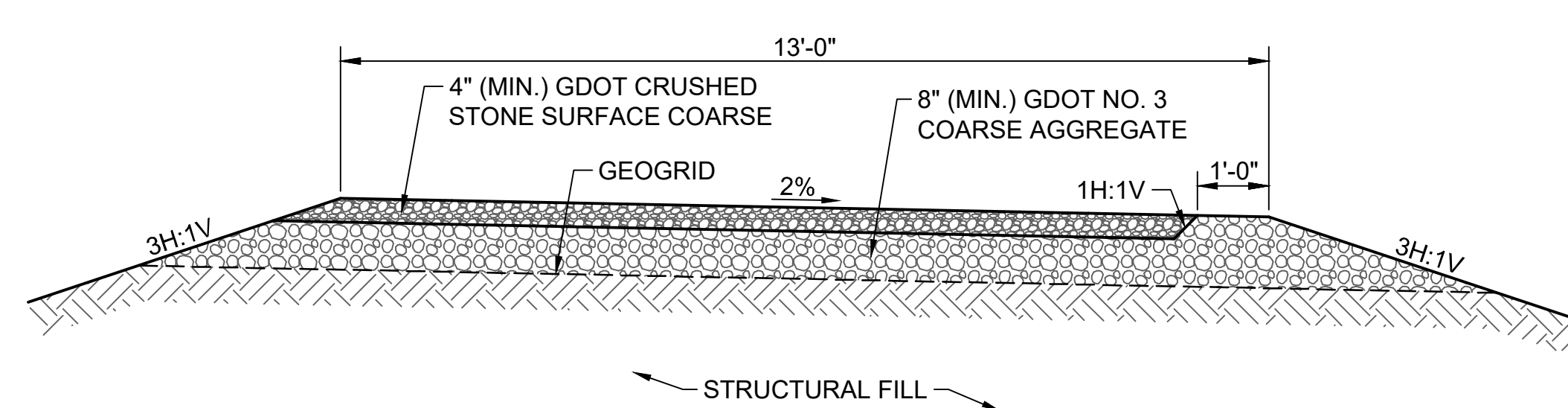
1
62
DETAIL - SITE ACCESS ROAD
SCALE: 1/2"=1'-0"



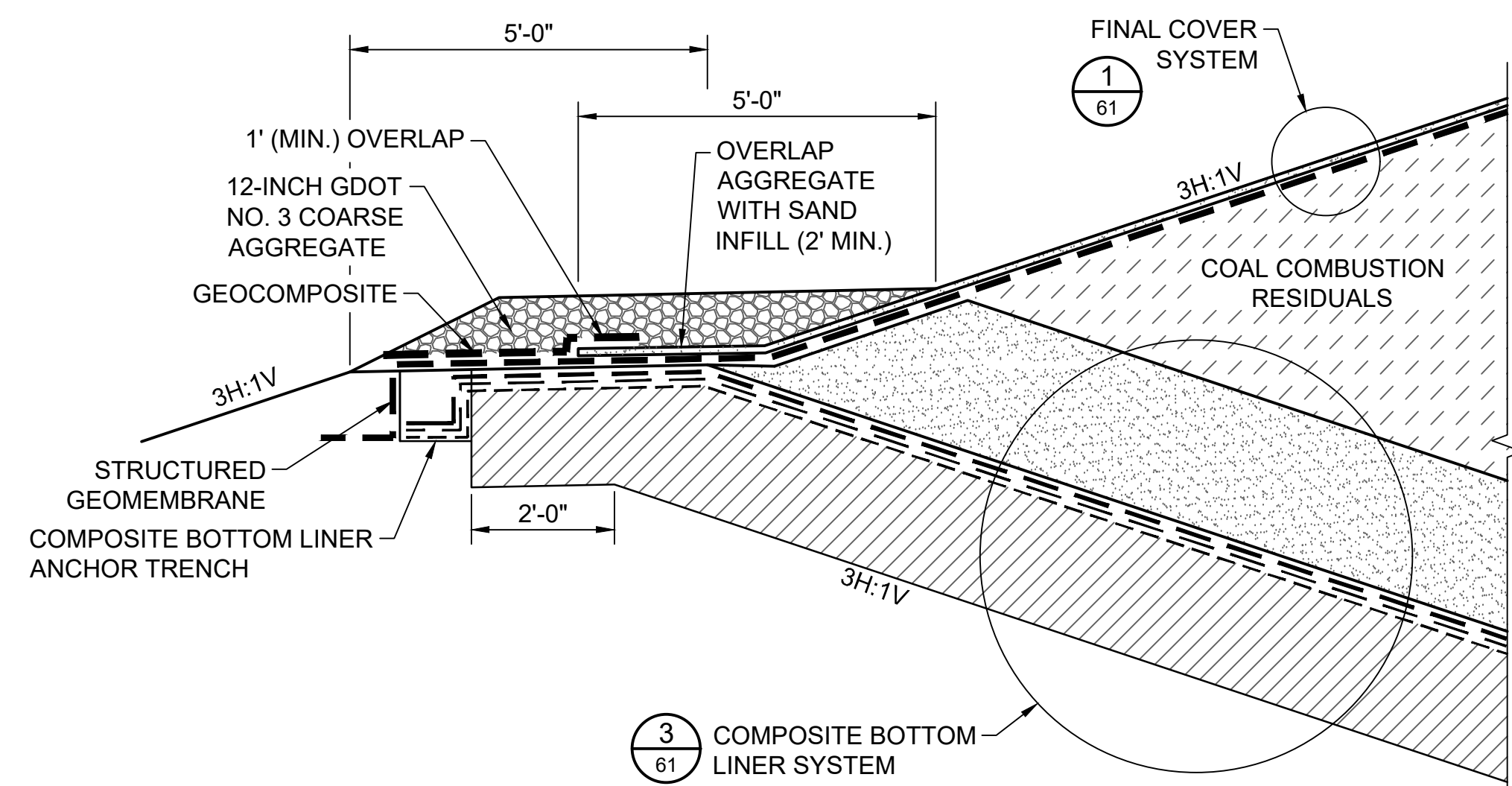
2
62
DETAIL - LANDFILL PERIMETER ROAD
SCALE: 1/2"=1'-0"



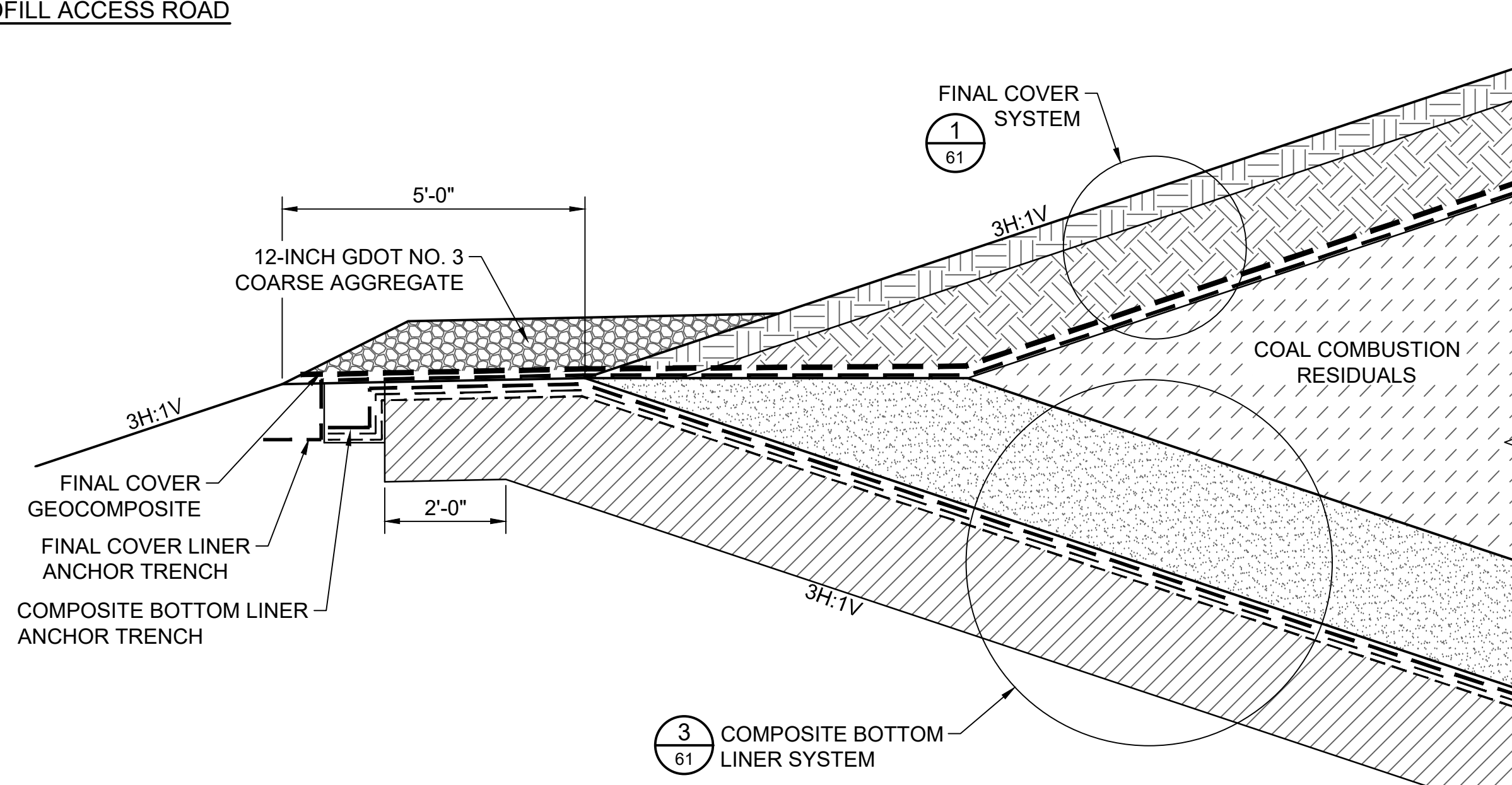
3
62
DETAIL - LANDFILL ACCESS ROAD
SCALE: 1/2"=1'-0"



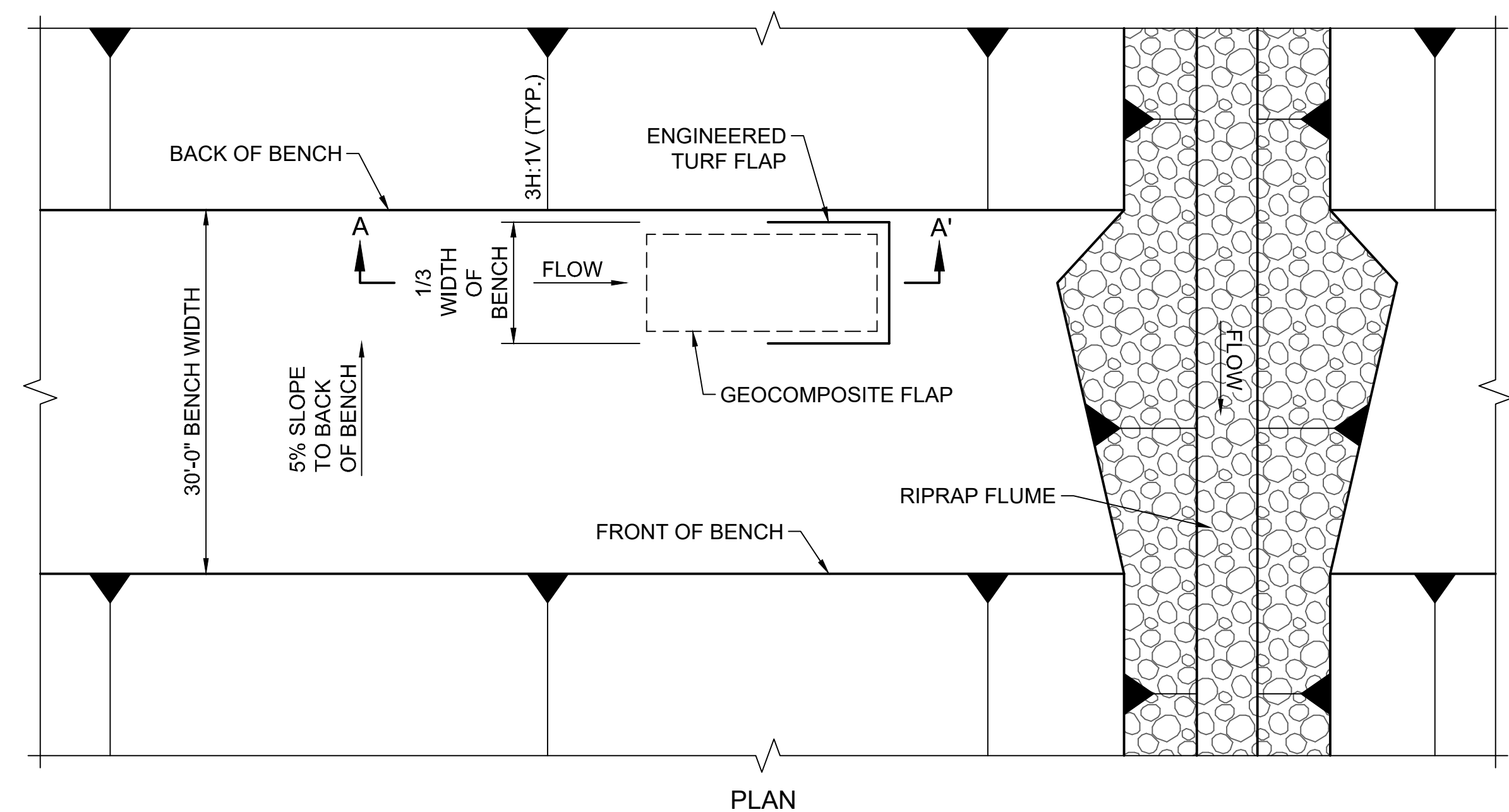
4
62
DETAIL - SEDIMENT BASIN AND CLEAR POOL PERIMETER ROAD
SCALE: 1/2"=1'-0"



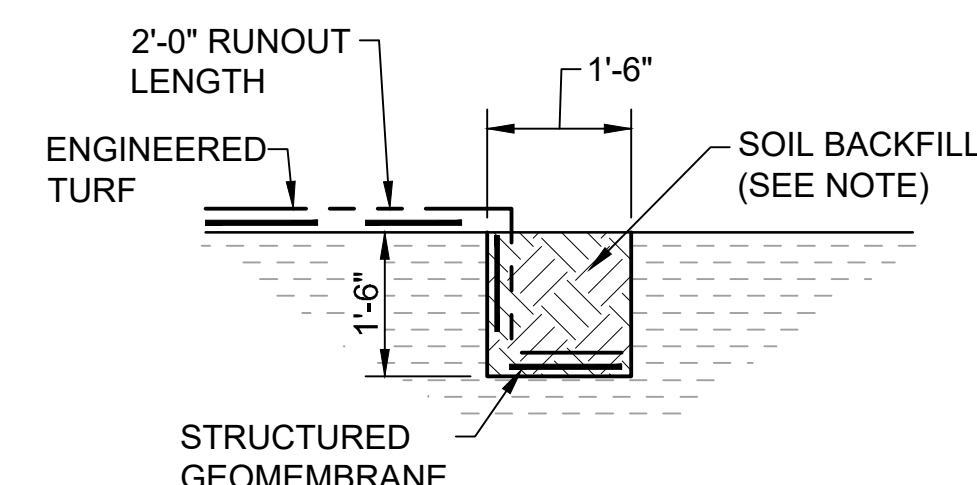
5
62
DETAIL - TYPICAL EXTERIOR BERM FOR ENGINEERED TURF COVER OPTION
NOT TO SCALE



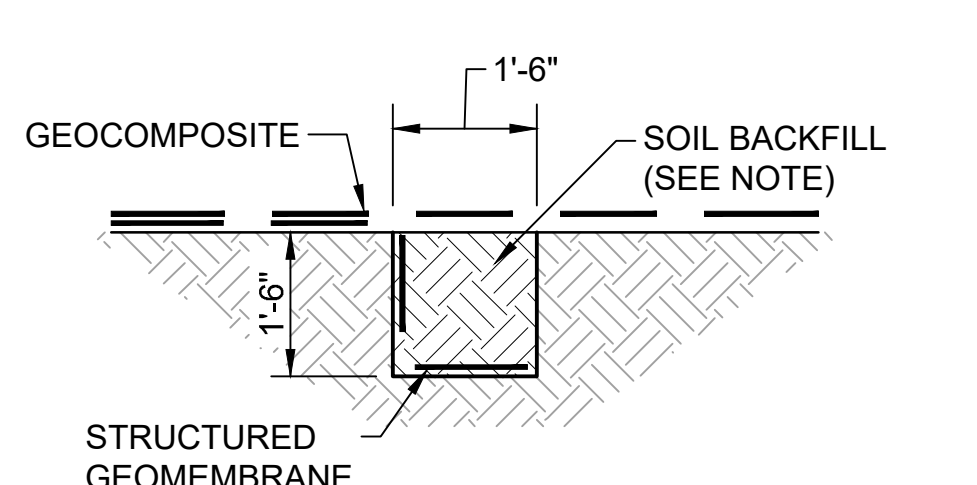
6
62
DETAIL - TYPICAL EXTERIOR BERM FOR SOIL COVER OPTION
NOT TO SCALE



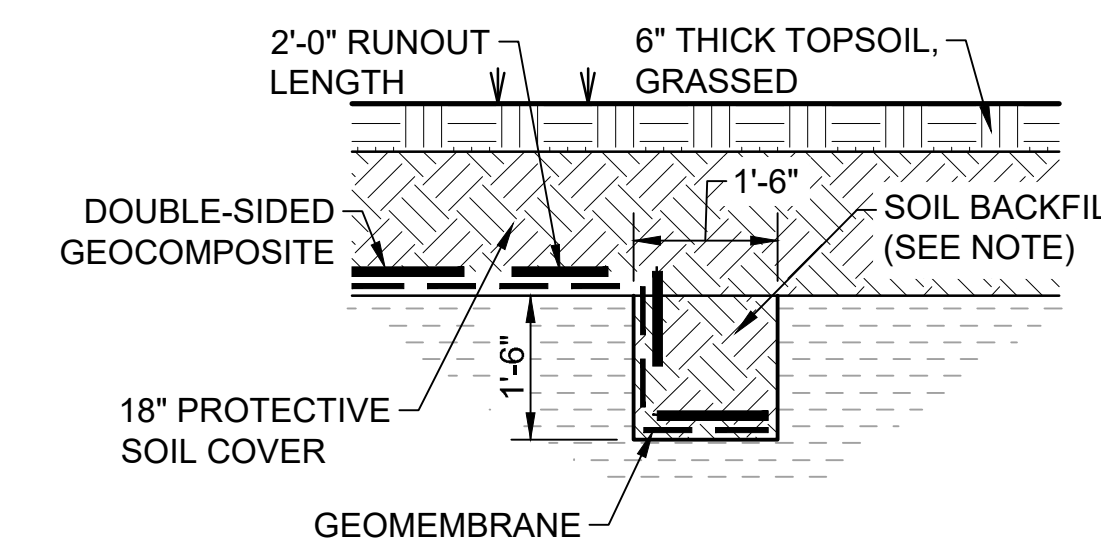
PLAN



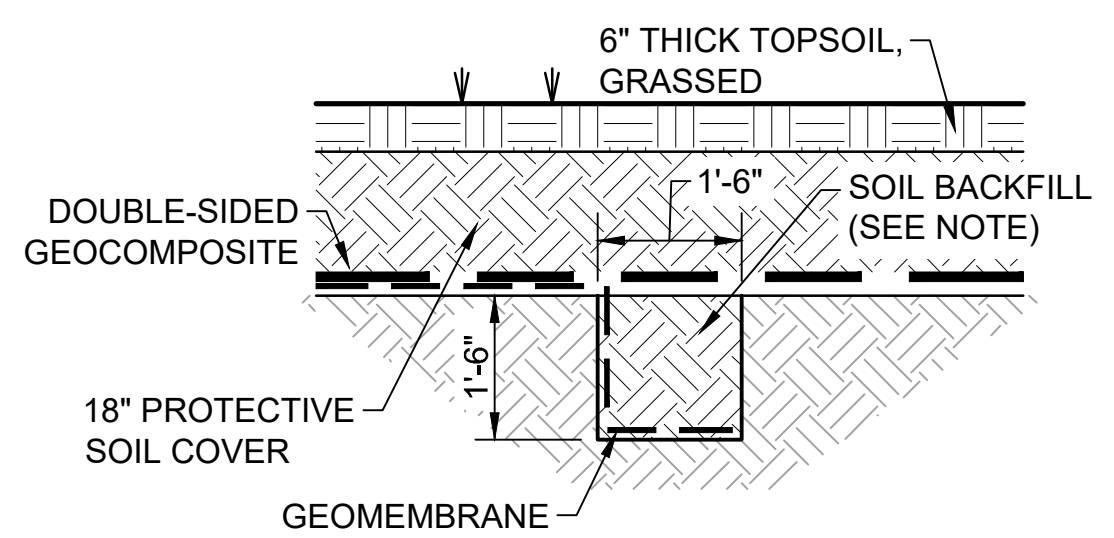
8
62
DETAIL - ANCHOR TRENCH TYPE A (ENGINEERED TURF COVER OPTION)
SCALE: 1/2"=1'-0"



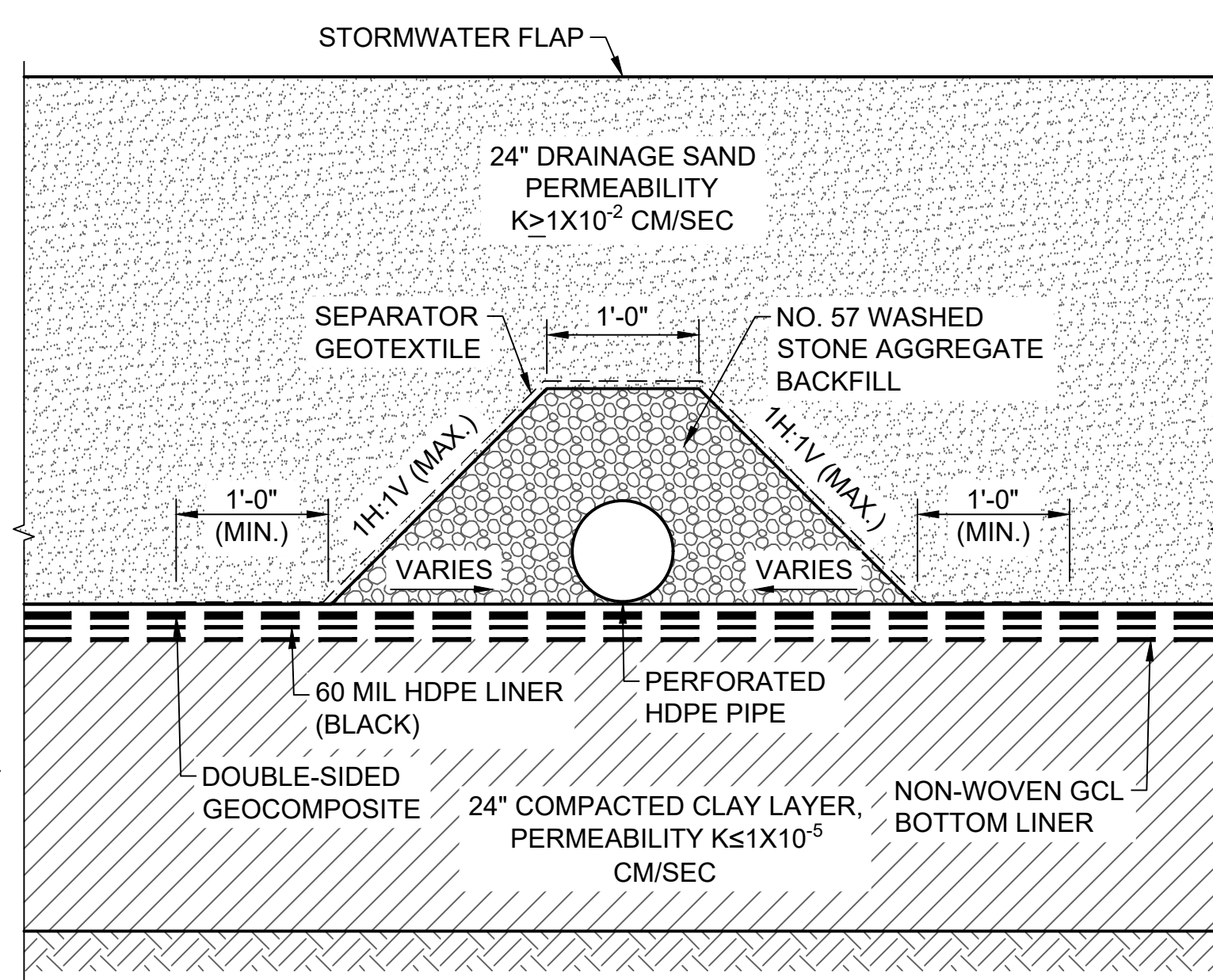
9
62
DETAIL - ANCHOR TRENCH TYPE B (ENGINEERED TURF COVER OPTION)
SCALE: 1/2"=1'-0"



10
62
DETAIL - ANCHOR TRENCH TYPE A (SOIL COVER OPTION)
SCALE: 1/2"=1'-0"

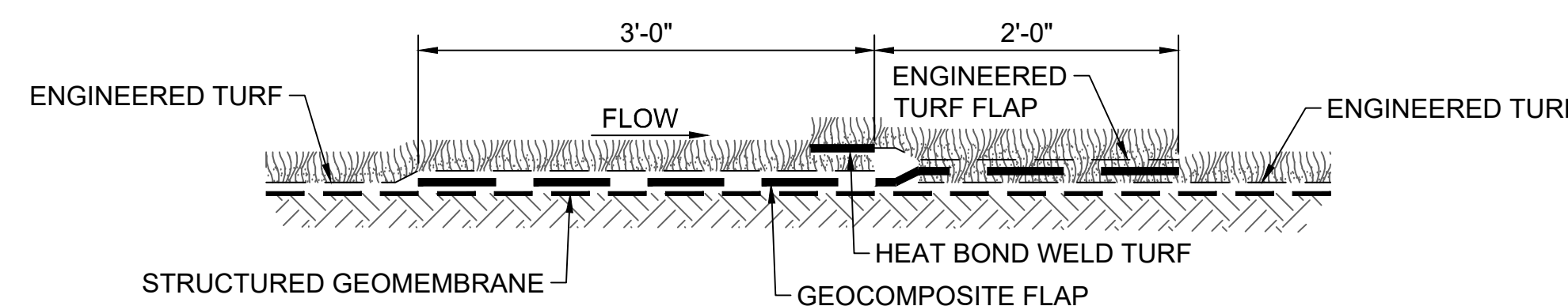


11
62
DETAIL - ANCHOR TRENCH TYPE B (SOIL COVER OPTION)
SCALE: 1/2"=1'-0"



- NOTES:
- HEAT BOND SEPARATOR GEOTEXTILE TO GEOCOMPOSITE AT OVERLAP OVER STONE AGGREGATE BACKFILL.
 - TOP OF COMPACTED CLAY LAYER WILL SLOPE TOWARD THE HDPE PIPE FROM BOTH DIRECTIONS FOR THE LEACHATE COLLECTOR LATERAL PIPES LOCATED ALONG THE PERIMETER OF THE SUBGRADE. THE TOP OF COMPACTED CLAY LAYER SLOPES IN ONE DIRECTION FOR ALL OTHER LEACHATE COLLECTOR PIPES.
 - CONTRACTOR MAY OMIT THE NON-WOVEN GCL BOTTOM LINER IF A PERMEABILITY OF $K \leq 1 \times 10^{-7}$ CM/SEC CAN BE ACHIEVED FOR THE COMPACTED CLAY LAYER.
 - LEACHATE COLLECTION PERFORATED HDPE PIPE DIMENSIONS VARY BY LOCATION. SEE TOP OF COMPACTED CLAY LAYER AND LEACHATE COLLECTION LAYER DRAWING FOR PIPE DIMENSIONS AT THE VARIOUS LOCATIONS.

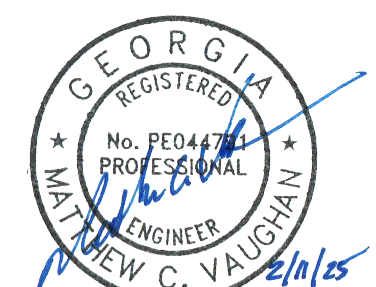
12
62
DETAIL - TYPICAL LEACHATE COLLECTION SYSTEM PIPING
SCALE: 1"=1'-0"



SECTION A-A'

NOTE:
WATER RELEASE VENTS SHALL BE INSTALLED ALONG THE BENCHES (STARTING IMMEDIATELY ADJACENT TO THE FLUMES).

7
62
DETAIL - CLOSURE TURF VENT
SCALE: NTS



ISSUED FOR PERMIT

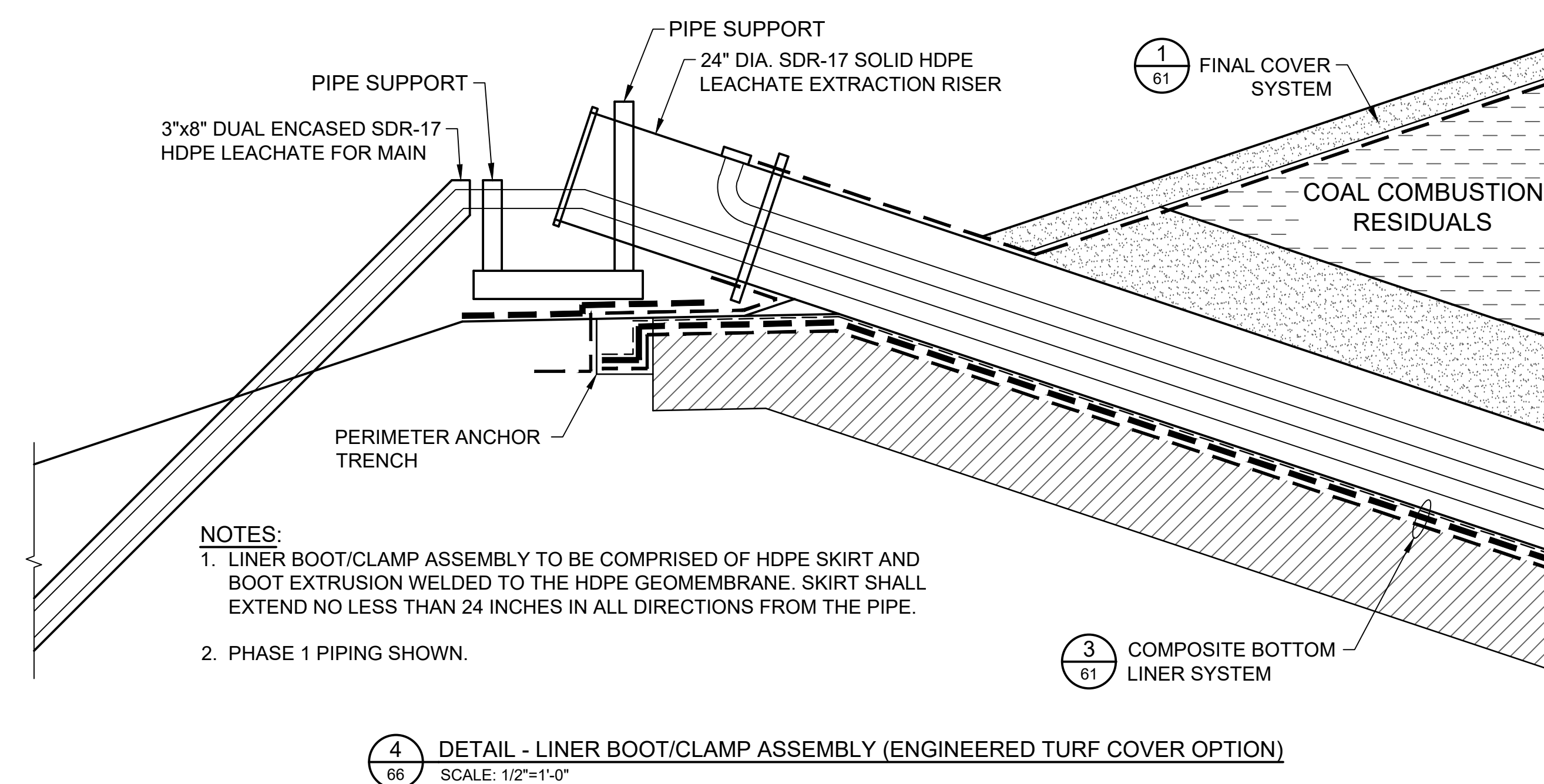
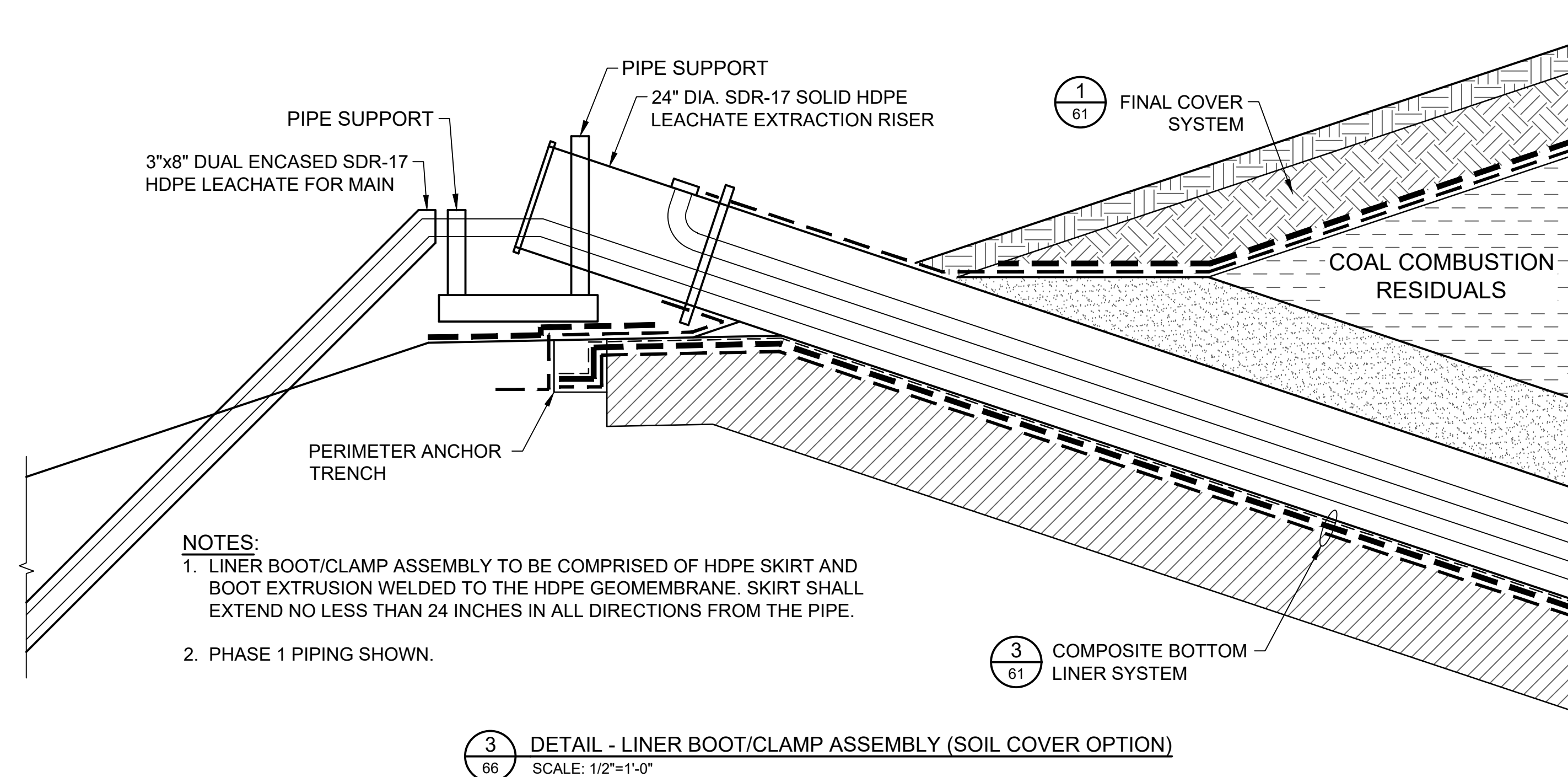
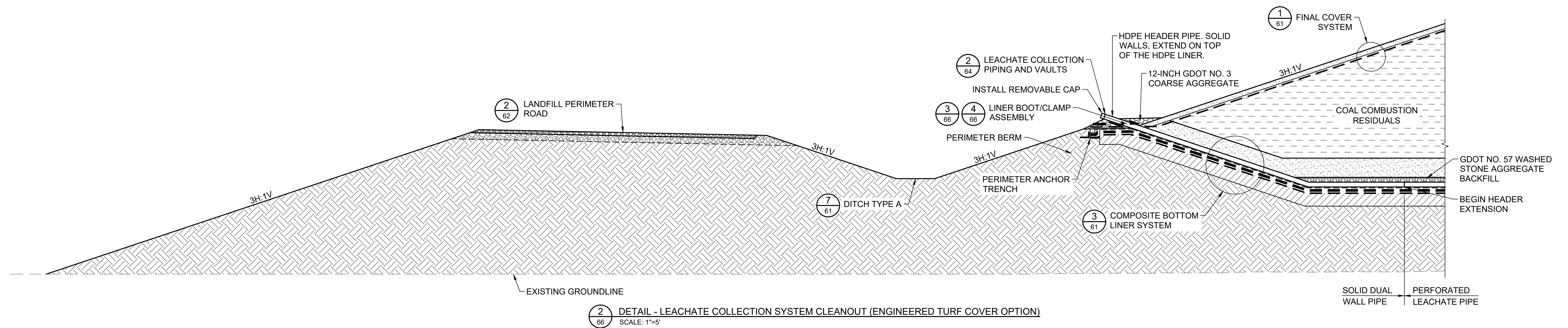
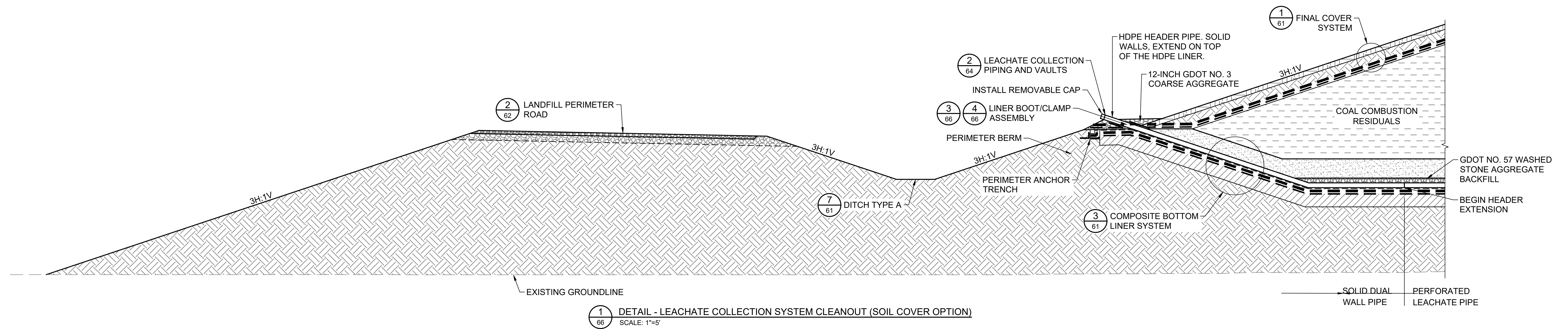
Stantec Consulting Services, Inc.
FOR

GEORGIA POWER COMPANY

PLANT HAMMOND - HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
PARCEL F
DETAILS

REVISION		DATE	REVISION		DATE
			0		FEBRUARY 2025
			ISSUED FOR CCR PERMIT APPLICATION		
BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR
BMS	KDL	-	-	-	-

SCALE	PROJ. I.D.	DRAWING NUMBER	SH	CONTD	REV
AS SHOWN	175518236	-	62	FINAL	0



ISSUED FOR PERMIT


Stantec Consulting Services, Inc.
FOR

GEORGIA POWER COMPANY
PLANT HAMMOND – HUFFAKER ROAD
COMBUSTION RESIDUALS DISPOSAL FACILITY
PARCEL F
DETAILS

REVISION		DATE		REVISION 0		DATE FEBRUARY 2025		GEORGIA POWER COMPANY											
				ISSUED FOR CCR PERMIT APPLICATION				PLANT HAMMOND – HUFFAKER ROAD											
								COAL COMBUSTION RESIDUALS DISPOSAL FACILITY											
								PARCEL F											
								DETAILS											
BY	CHK'D	CIVIL APPR	ELECT APPR	VC APPR	MECH APPR	MGR APPR	BY	CHK'D	CIVIL APPR	ELECT APPR	VC APPR	MECH APPR	MGR APPR	SCALE	PROJ I.D.	DRAWING NUMBER	SH	CONT'D	REV
							BMS	KDL	—					AS SHOWN	175518235	—	66	FINAL	0

ANSI F: 28x40

AUTOCAD 2023


 SECTION OR DETAIL NO.
 TARGET DRAWING
REFERENCE KEY

NOTES:

1. LINER BOOT/CLAMP ASSEMBLY TO BE COMPRISED OF HDPE SKIRT AND BOOT EXTRUSION WELDED TO THE HDPE GEOMEMBRANE. SKIRT SHALL EXTEND NO LESS THAN 24 INCHES IN ALL DIRECTIONS FROM THE PIPE.

2. PHASE 1 PIPING SHOWN.

NOTES:

1. LINER BOOT/CLAMP ASSEMBLY TO BE COMPRISED OF HDPE SKIRT AND BOOT EXTRUSION WELDED TO THE HDPE GEOMEMBRANE. SKIRT SHALL EXTEND NO LESS THAN 24 INCHES IN ALL DIRECTIONS FROM THE PIPE.

2. PHASE 1 PIPING SHOWN.

PLOT DATE: 2/6/2025 USER: MCKINNEY, JIMMY
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PLOT DATE: 2/20/25 USER: MCHANEY, JMM
\\032522-PPSS01\COMMON\PROJECTS\175518236\TECHNICAL_PRODUCTION\DRAWINGS\REL_PERMITS\WKSHEET_FILES\67_10236_P.F_TIT.DWG

F

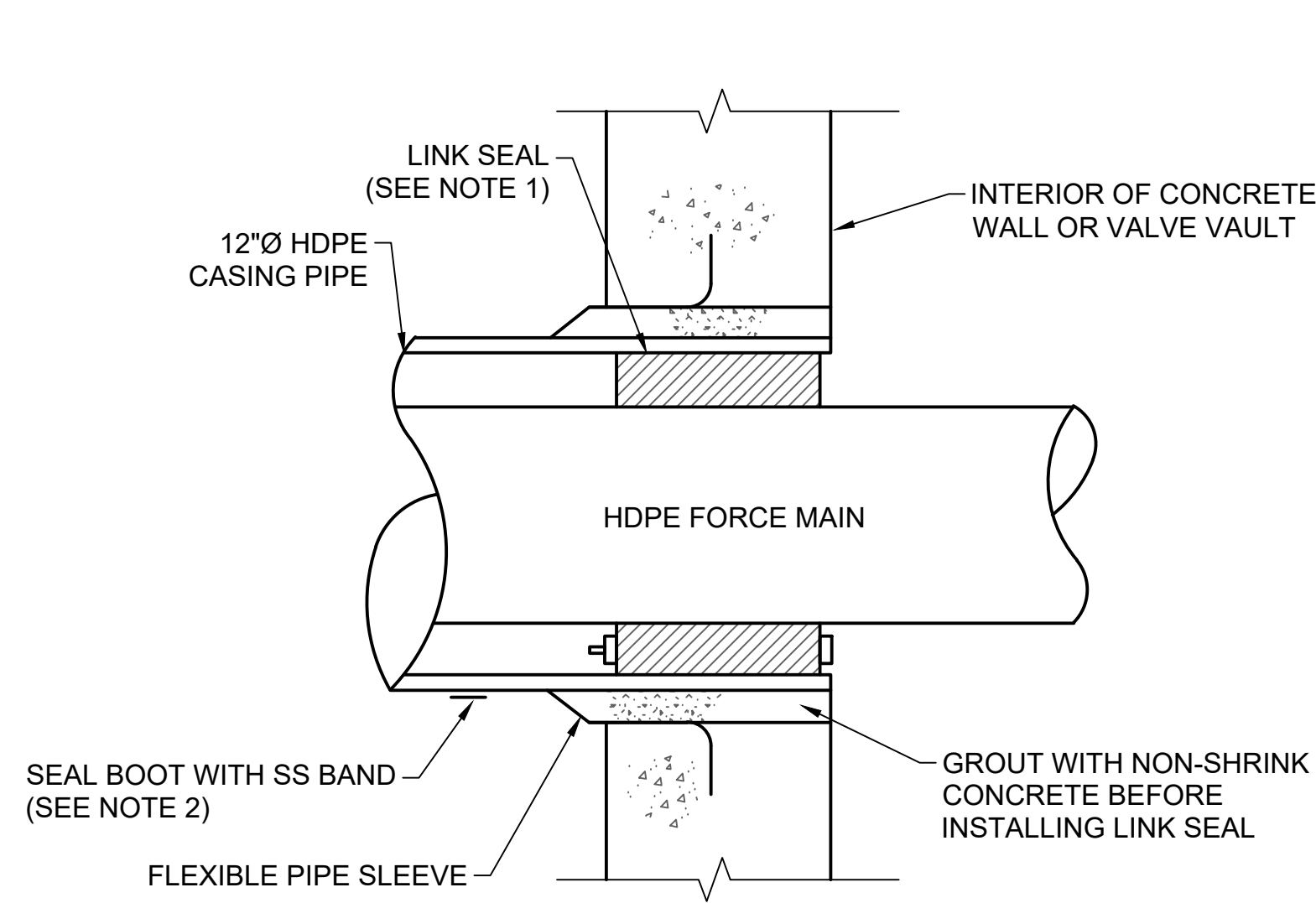
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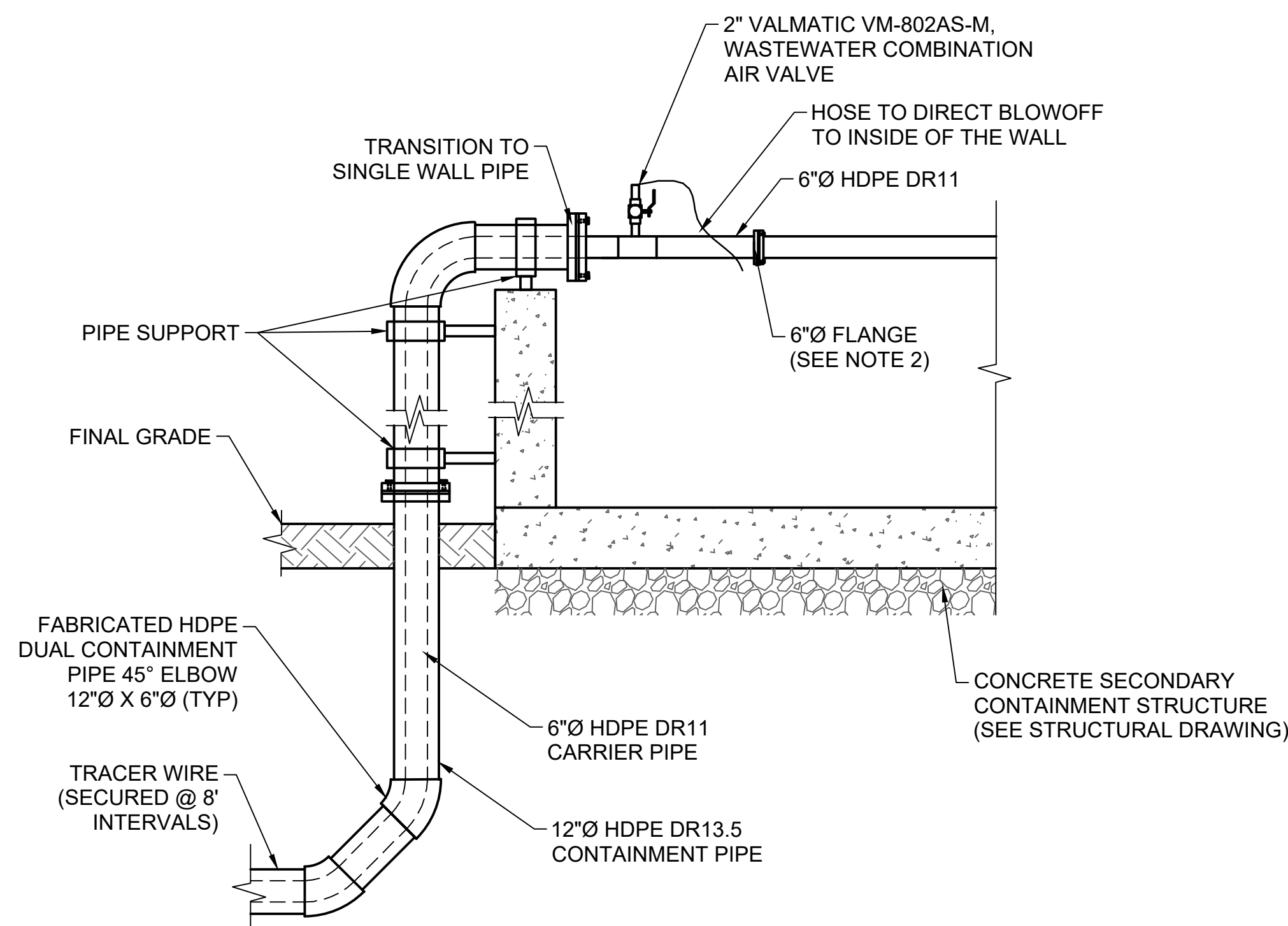
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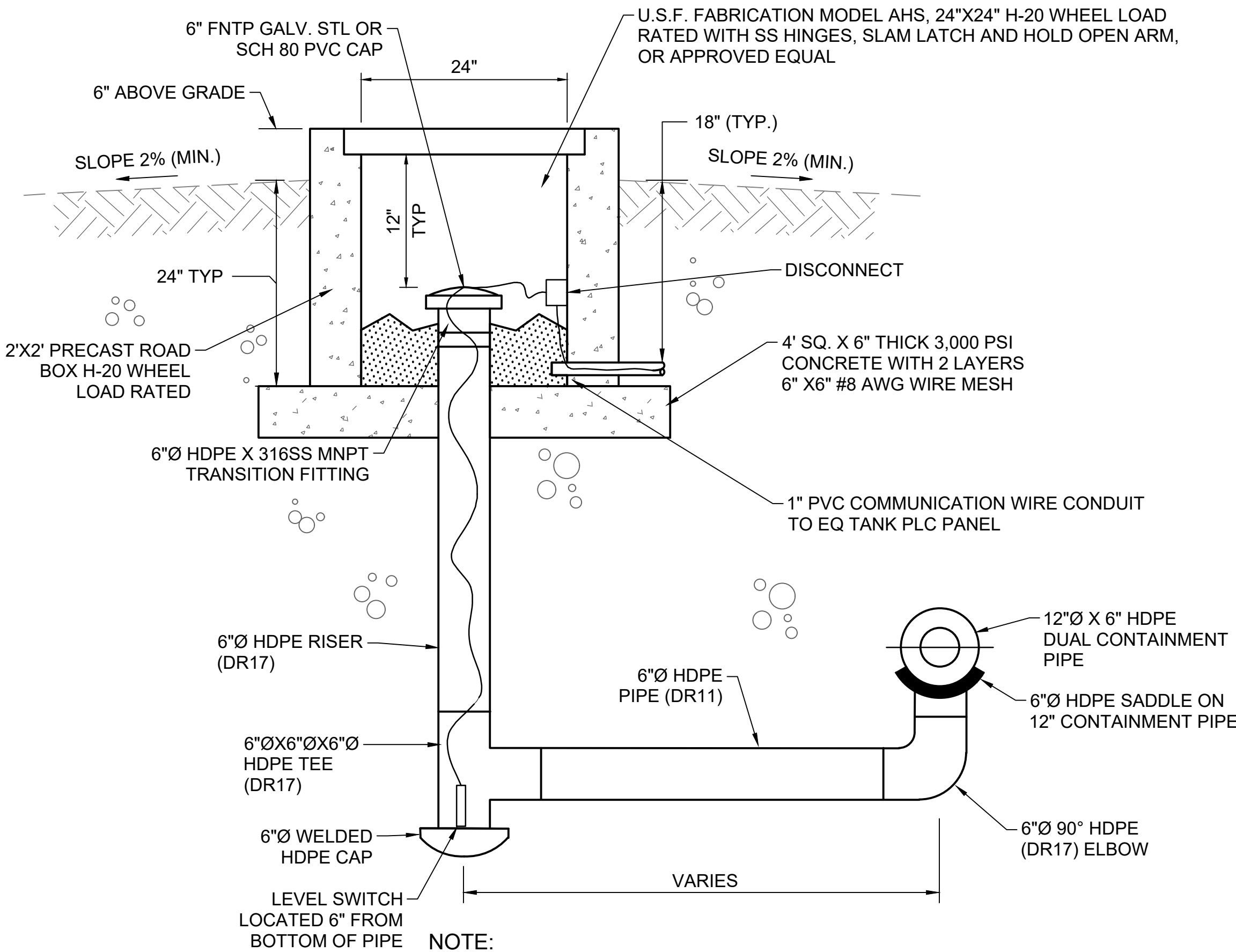
- NOTES:
- USE THUNDERLINE LINK-SEAL TYPE LS 300-C FOR 12"Ø THROUGH 6"Ø PIPELINES.
 - USE LOCK-JOINT FLEXIBLE MANHOLE SLEEVE OR KOR-N-SEAL JOINT SLEEVE OR EQUAL AT ALL PENETRATIONS.

1
67
DETAIL - FORCE MAIN WALL PENETRATION DETAIL
NOT TO SCALE



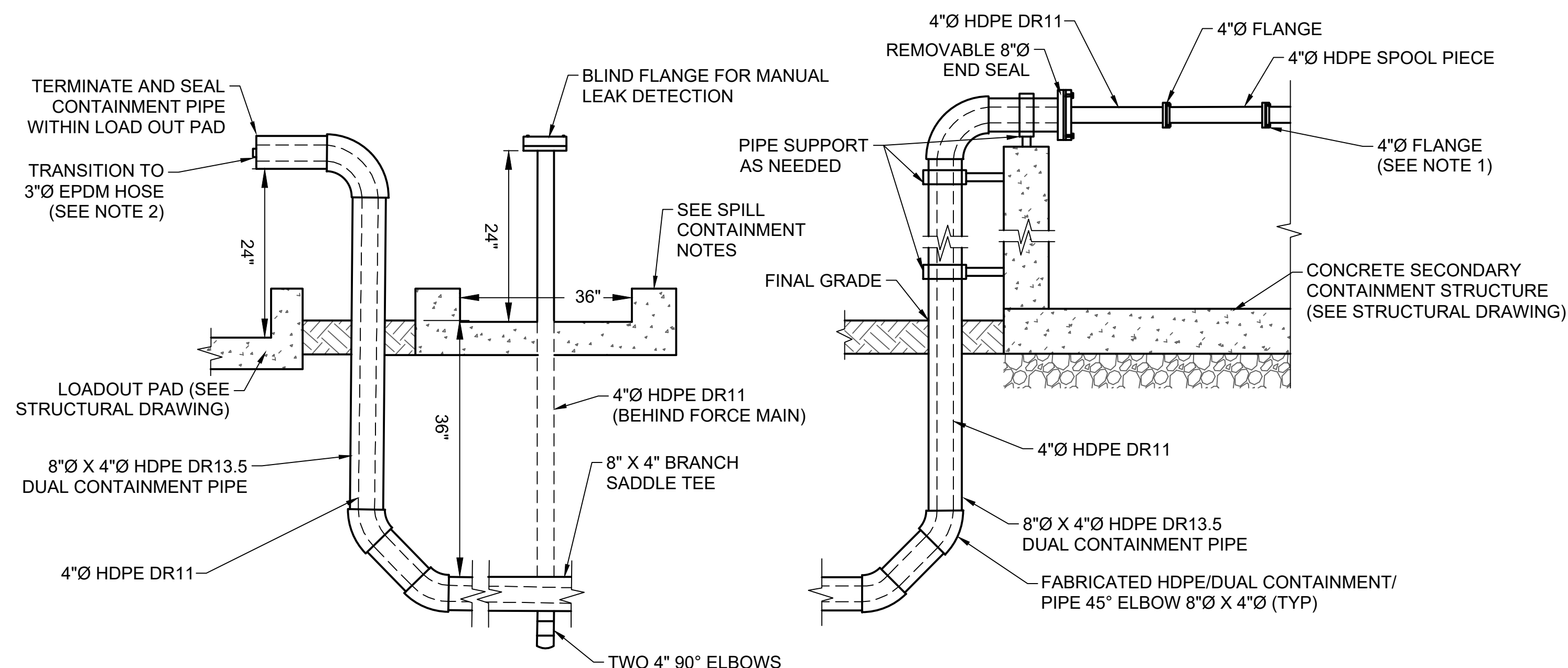
- NOTES:
- ARV ONLY NEEDED AT LOCAL HIGH POINTS IN PIPE.
 - FLANGE USED TO REMOVE PIPE FOR CLEANOUT OF FORCE MAIN.

2
67
DETAIL - AIR/VACUUM RELEASE VALVE
NOT TO SCALE



NOTE:
IN THE LEAK DETECTION ROAD BOXES, WHERE THE TOP OF THE TRANSITION PIECE IS CLOSE TO THE UNDERSIDE OF THE ROAD BOX COVER, INSTALL A THREADED FLAT STEEL CAP DIRECTLY ON THE THREADED TRANSITION PIECE. INSTALL A THREADED STEEL PLUG IN THE REMAINING LEAK DETECTION RISERS.

3
67
DETAIL - LEAK DETECTION STATION
NOT TO SCALE



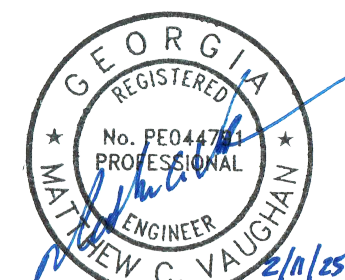
- NOTES:
- FLANGE USED TO REMOVE PIPE FOR PRESSURE TESTING OF FORCE MAIN.
 - INSTALL TRANSITION FITTINGS AND ADAPTERS AS NEEDED. INSTALL 15 FT OF 3"Ø EPDM HOSE WITH BALL VALVE AND OPW DRY DISCONNECT FITTING AT DISCHARGE END.

SPILL CONTAINMENT NOTES:

- REFER TO CONCRETE NOTES ON DRAWING (TBD).
- FIBER REINFORCED CONCRETE SLAB-ON-GRADE SHALL BE 6" THICK.
- PERIMETER CURB SHALL BE 6" HIGH, 8" THICK WITH CONTINUOUS #3BAR LONGITUDINALLY SUPPORTED BY #3 DOWELS@ 12"-18" O.C. AND 2"-3" OF CLEAR COVER. CURB AND SLAB SHALL BE MONOLITHIC.
- PADS SHALL BE 3" WIDE MEASURED INSIDE CURBING WITH LENGTH AS NEEDED FOR MIN. 1.5' CLEARANCE FROM STICKUPS TO CURB FACE. NO CONTROL JOINTS ARE NEEDED.
- SLABS SHALL HAVE ELEVATION AND SLOPE AS NEEDED TO DRAIN TO A LOW POINT. AT LOW POINT, INSTALL 1" PVC PIPE THROUGH CURB WITH LOCKABLE 2" S.S. BALL VALVE. ELEVATION OF PIPE OUTLET SHALL PROVIDE DRAINAGE TO CONTAINMENT SUMP.

4
67
DETAIL - TRUCK LOAD OUT FORCE MAIN
NOT TO SCALE

SECTION OR DETAIL NO.
TARGET DRAWING
REFERENCE KEY



ISSUED FOR PERMIT

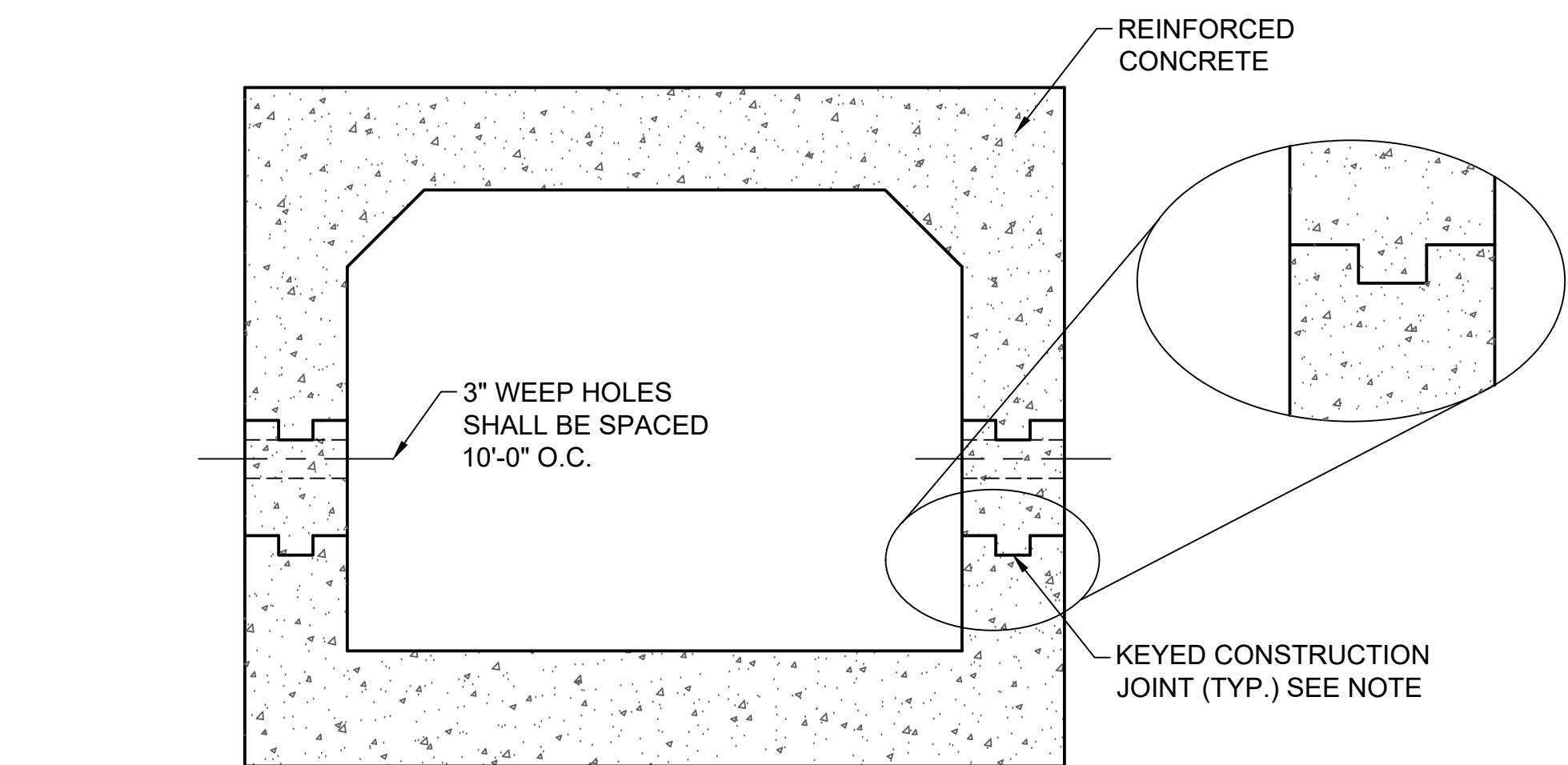
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FOR

GEORGIA POWER COMPANY

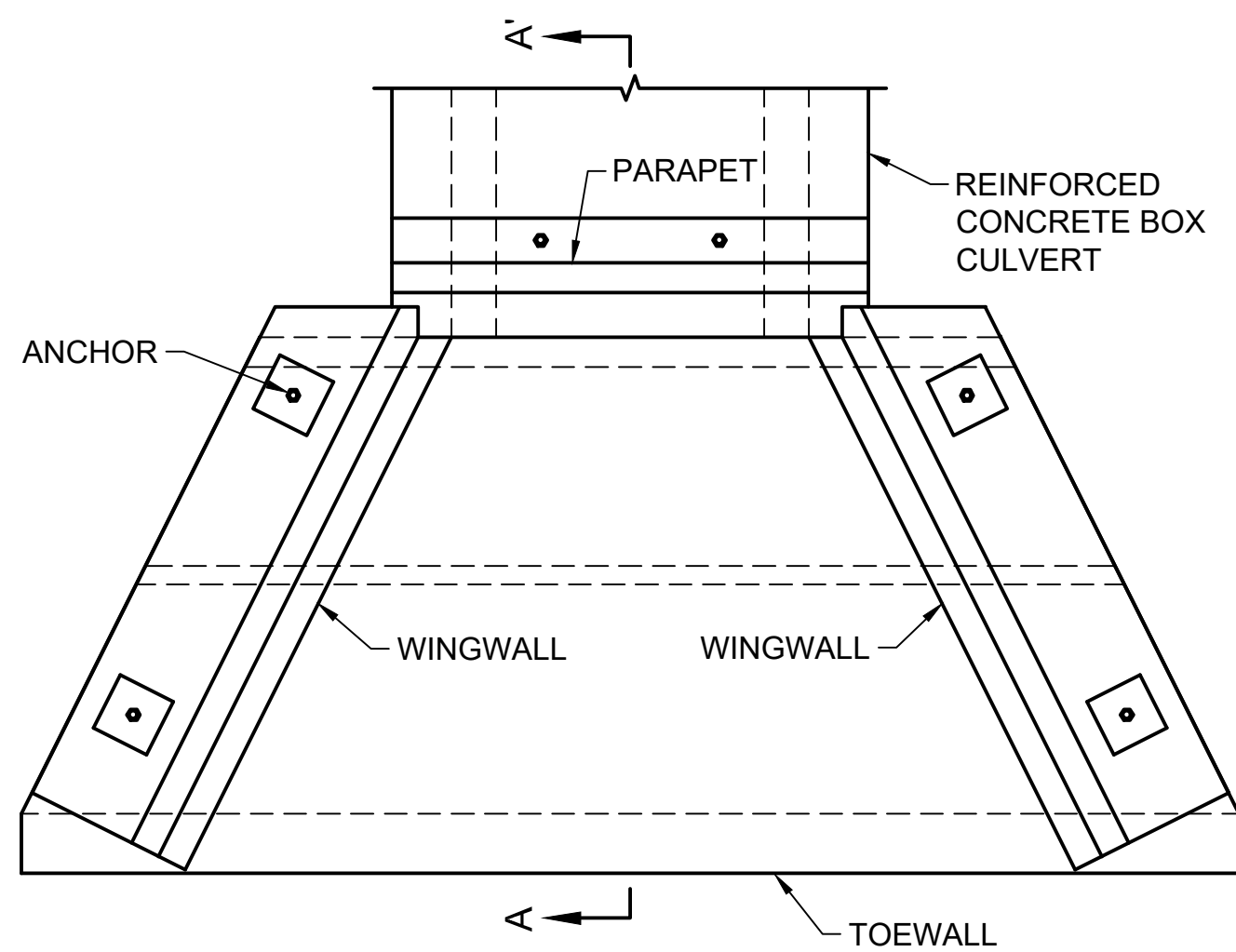
PLANT HAMMOND — HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
PARCEL F
DETAILS

REVISION		DATE		REVISION		DATE									
				0		FEBRUARY 2025		ISSUED FOR CCR PERMIT APPLICATION							
BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR	MGR APPR	BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR	MGR APPR	SCALE	PROJ. I.D.
							BMS	KDL	-					AS SHOWN	175518236
															DRAWING NUMBER
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															FINAL
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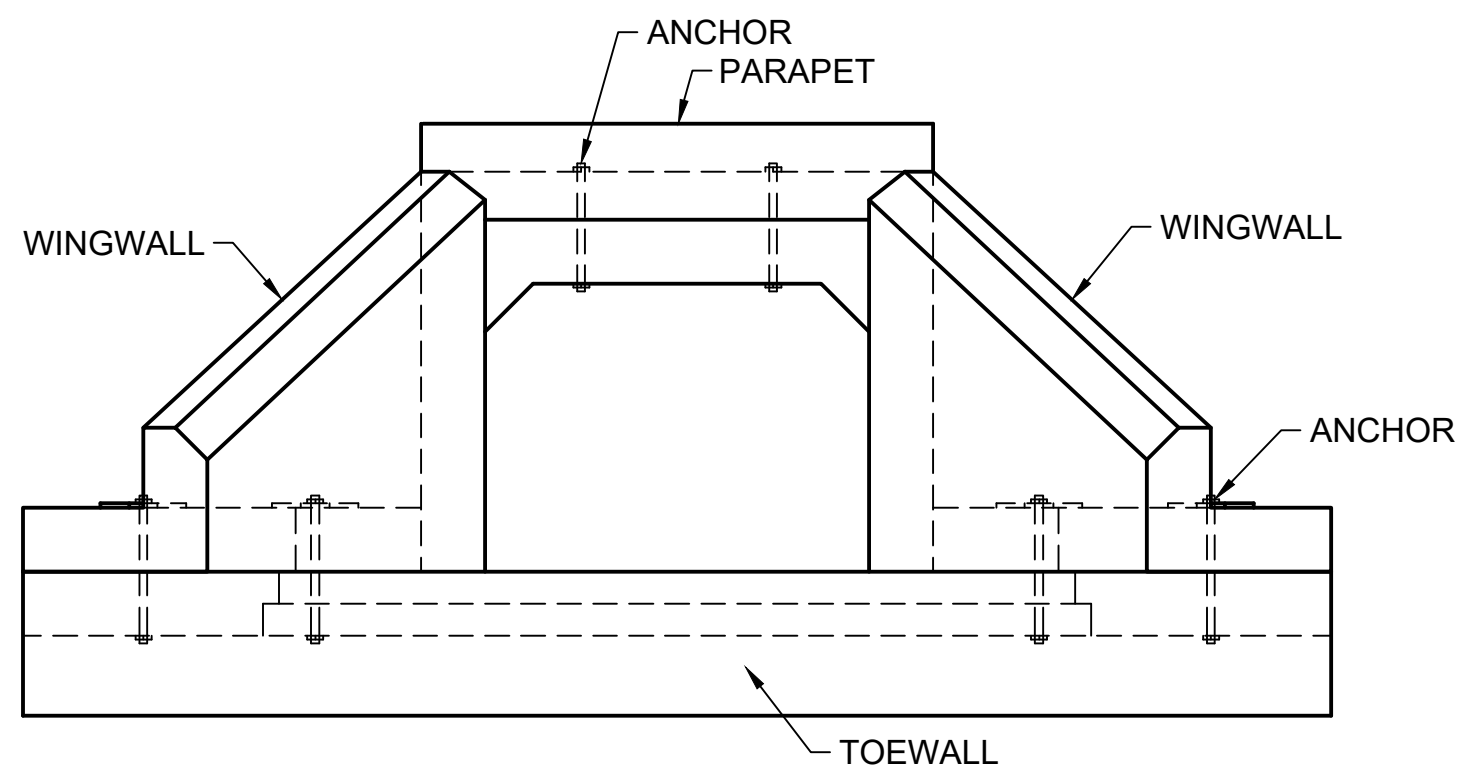
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PLOT DATE: 2/25/25 USER: MCHANEY, JMM
\\US0202PPR5501\ISSUED_PRODUCTIONDRAWINGS\REL_PERMITS\WORKSHEET_FILES\68_10236_P.F. DTDWG



1
68
DETAIL - BOX CULVERT
SCALE: 1"=1'-0"

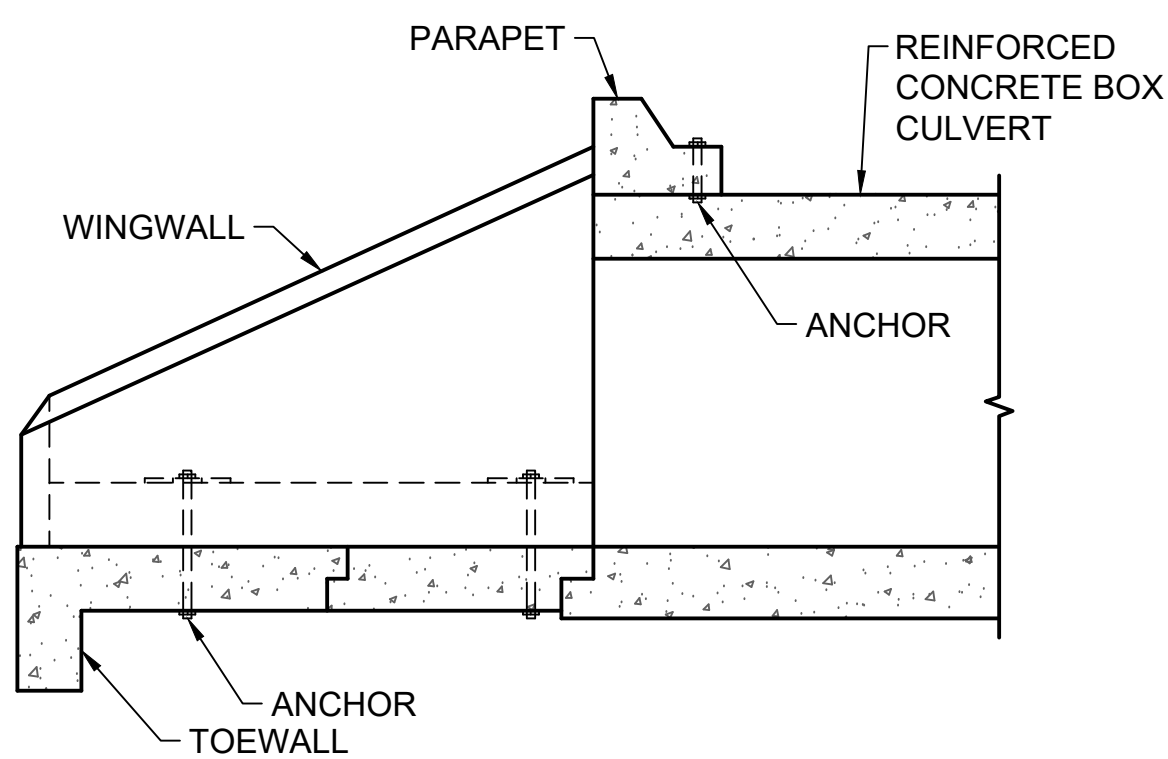


PLAN

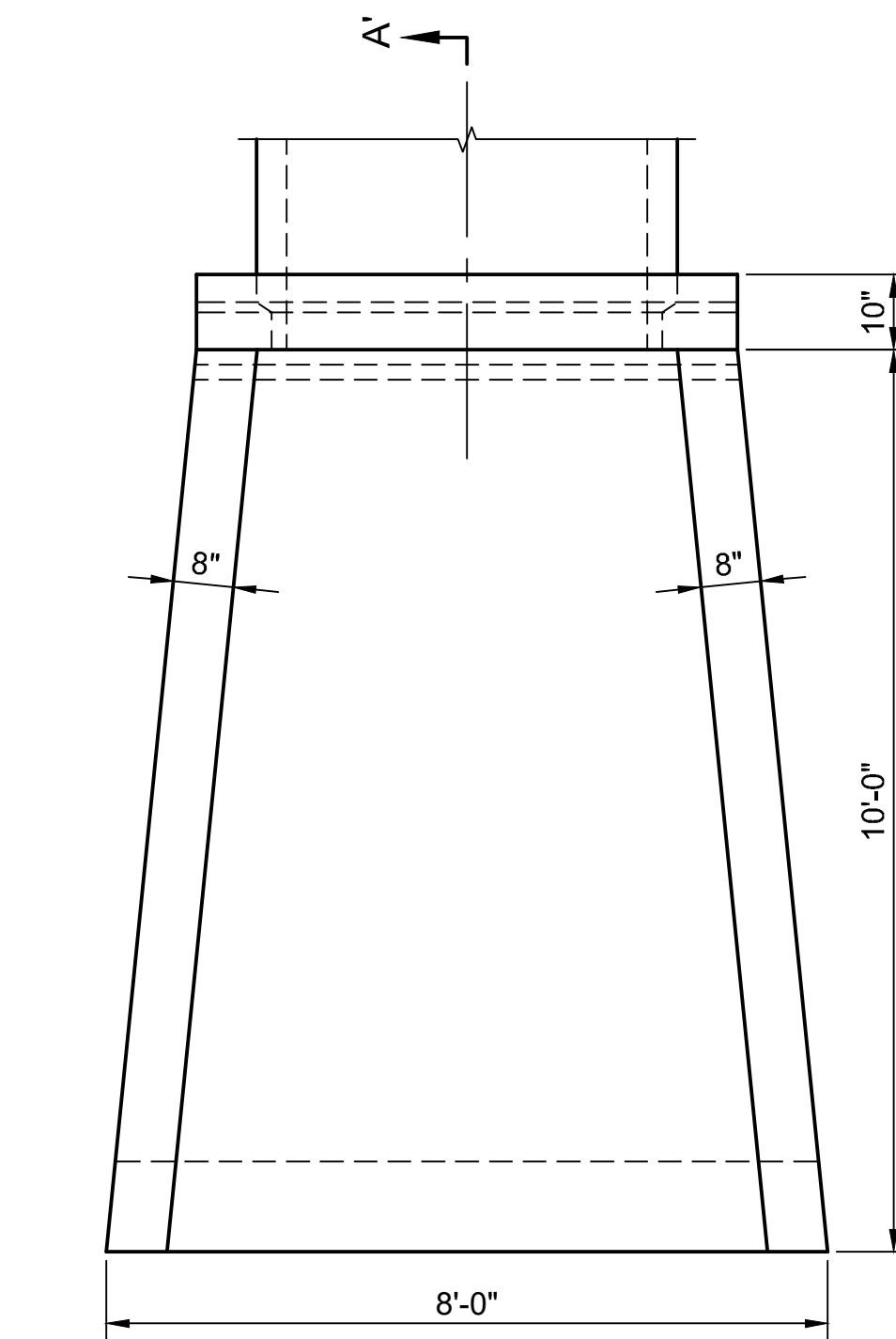


ELEVATION

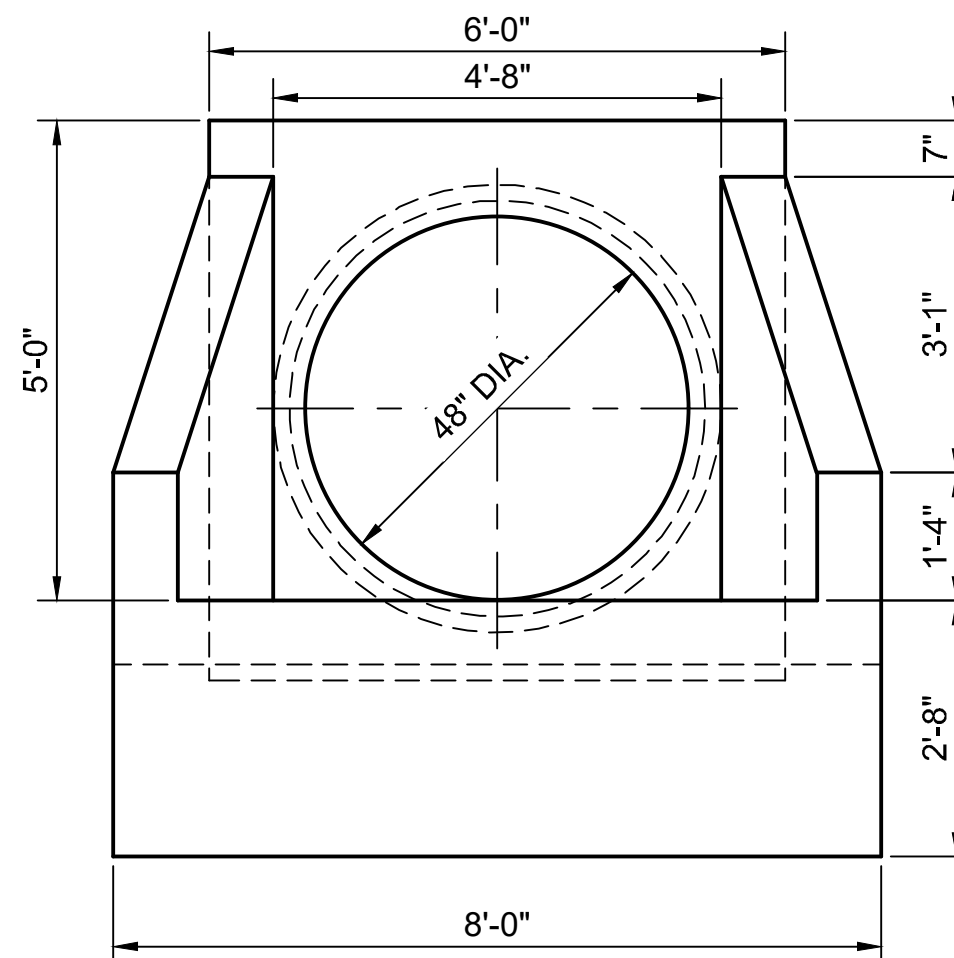
3
68
DETAIL - PRECAST BOX CULVERT END HEADWALL
SCALE: 1/2"=1'-0"



SECTION A-A'



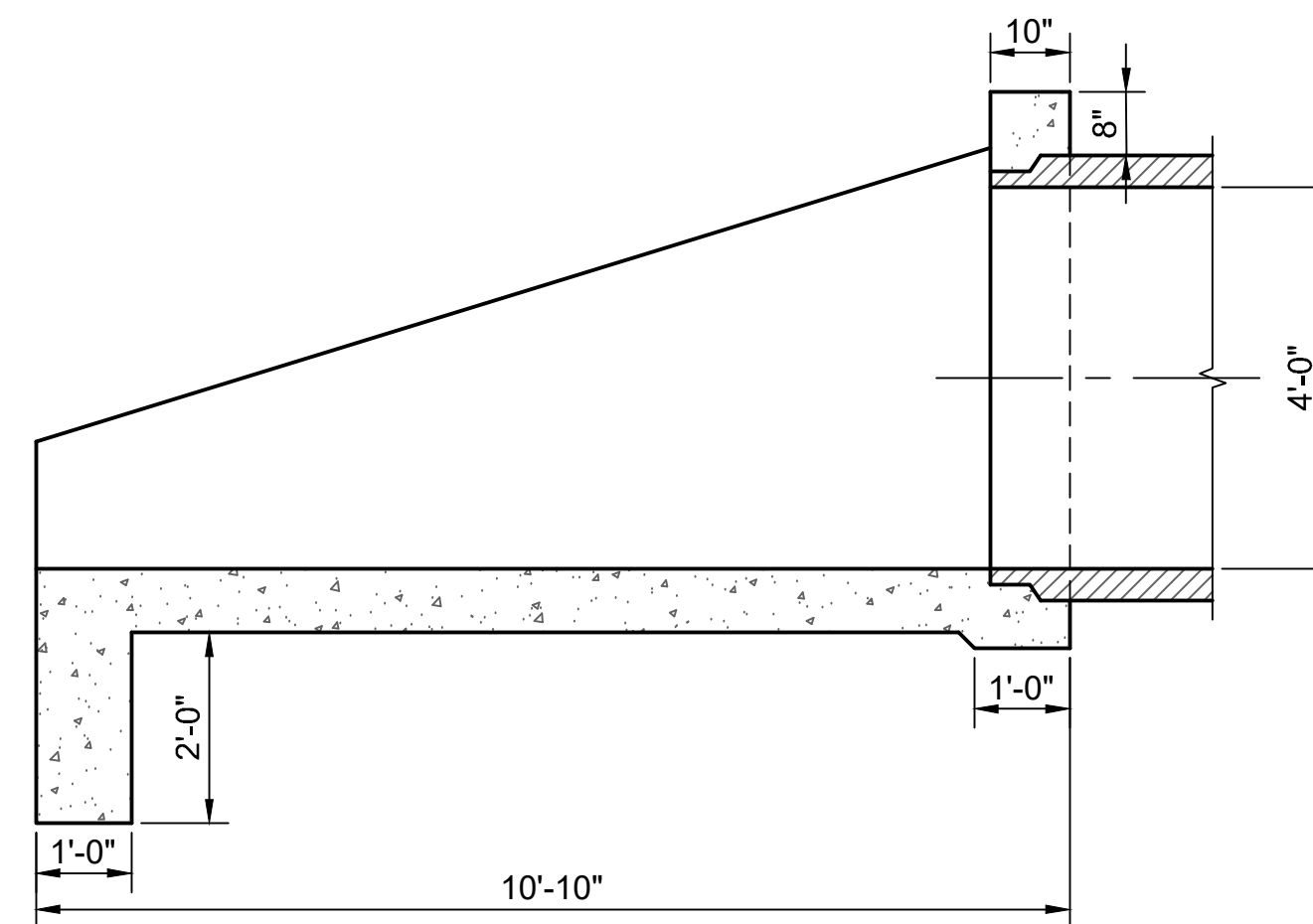
PLAN



ELEVATION

NOTE:
48" PRECAST HEADWALL DIMENSIONS AND REINFORCING
PER GDOT STANDARD DETAIL SHEET 1125.

2
68
DETAIL - 48" PRECAST HEADWALL
SCALE: 1/2"=1'-0"



SECTION A-A'



ISSUED FOR PERMIT

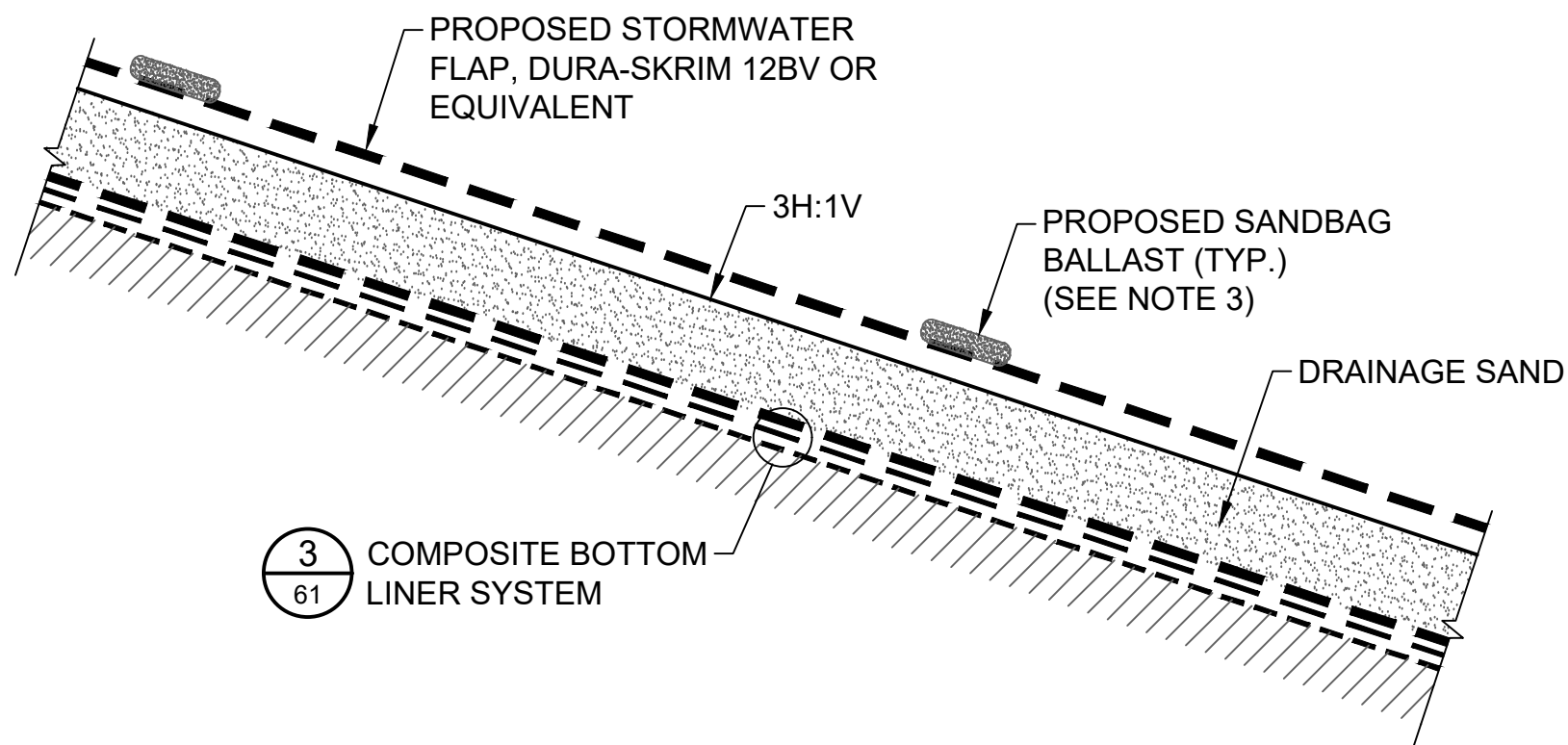
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FOR

GEORGIA POWER COMPANY

PLANT HAMMOND — HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
PARCEL F
DETAILS

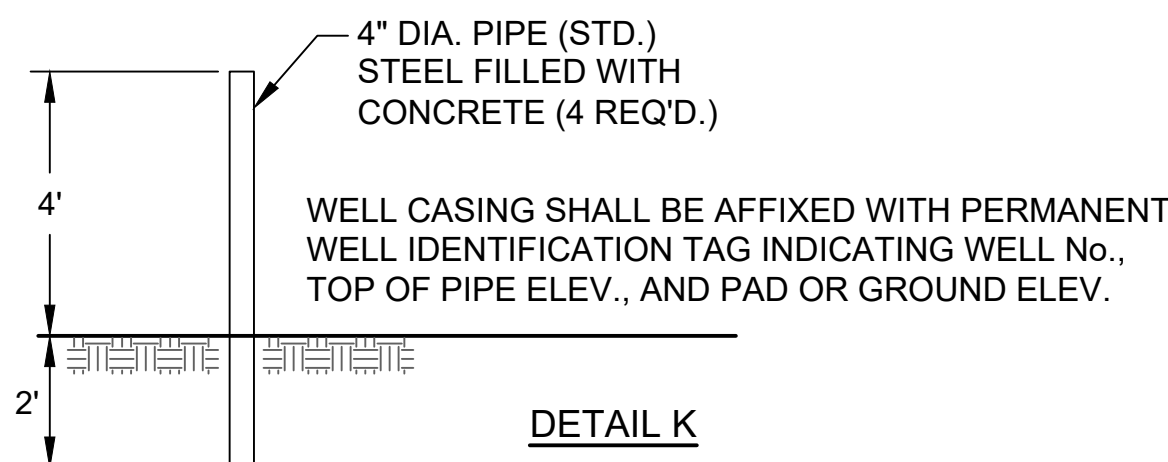
REVISION		DATE	REVISION		DATE
			0		FEBRUARY 2025
			ISSUED FOR CCR PERMIT APPLICATION		
BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR
BMS	KDL	-	-	-	-
		SCALE	PROJ I.D.	DRAWING NUMBER	SH
		AS SHOWN	175518236	-	68
				CONTD	REV
				FINAL	0

PLT DATE: 2/2/25 USER: MCHANEY, JMM
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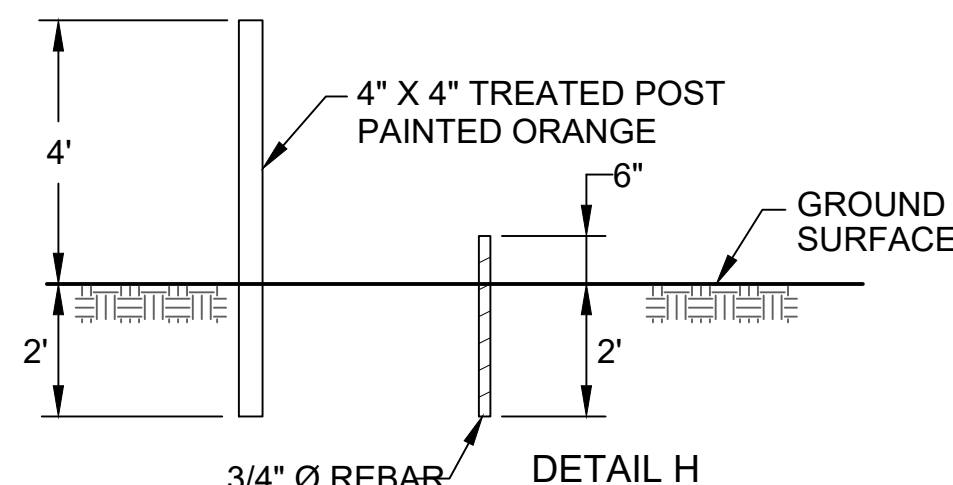


- NOTES:
1. STORMWATER FLAPS TO BE INSTALLED ON AREAS NOT ACTIVELY RECEIVING WASTE.
 2. STORMWATER FLAP SEAMS TO BE WELDED.
 3. THIRTY POUND SANDBAGS SHALL BE PLACED AT TEN FEET INTERVALS Laterally ALONG THE STORMWATER FLAP AT THE LOCATIONS SHOWN ON THE DETAIL.
 4. A TEMPORARY STORMWATER FLAP SHALL BE USED DURING FILLING OPERATIONS TO REDUCE THE VOLUME OF STORMWATER DISCHARGE INTO THE LEACHATE COLLECTION SYSTEM.

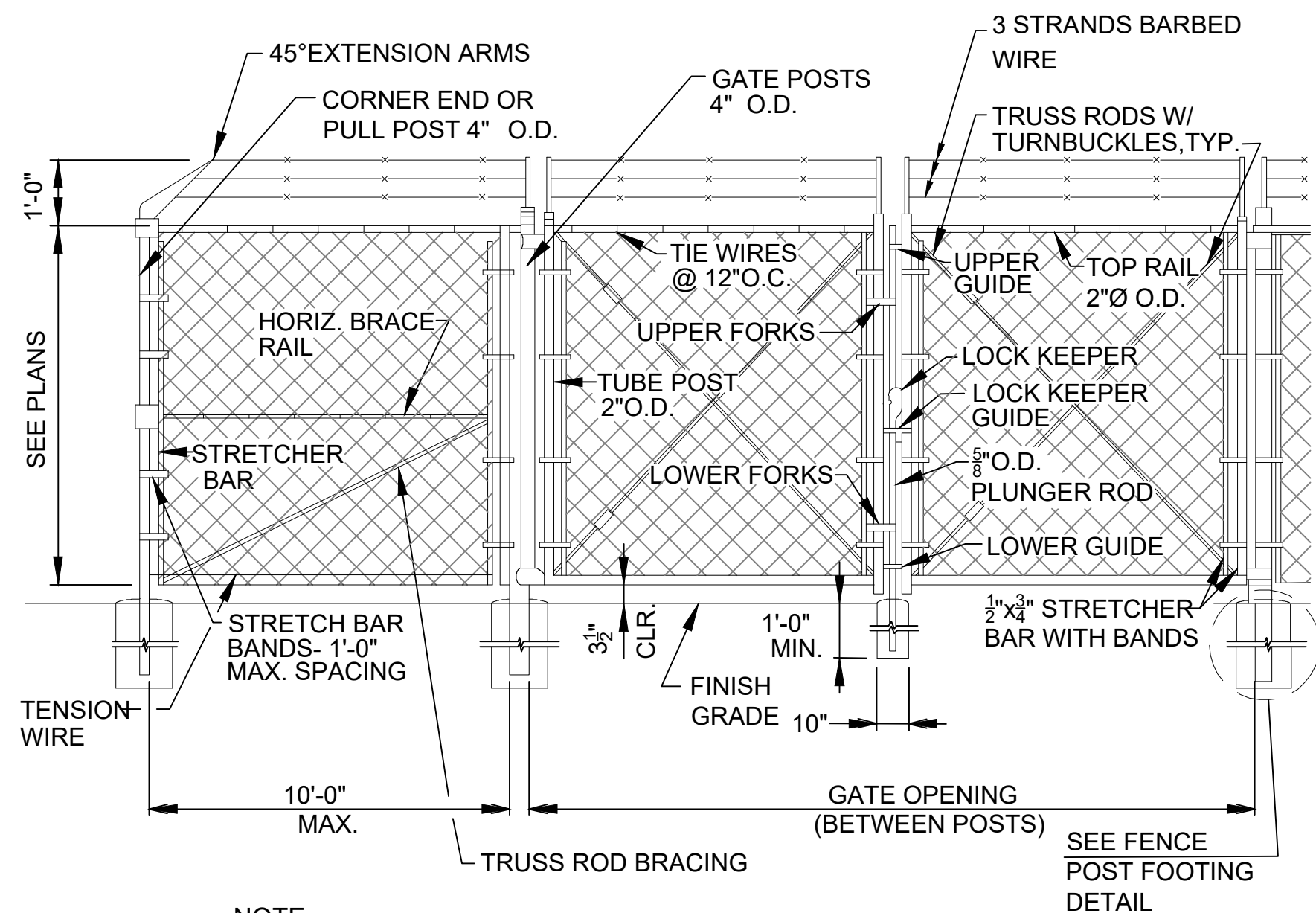
1 DETAIL - STORMWATER FLAPS
SCALE: 1/4"=1'-0"



3 DETAIL - TYPICAL GROUNDWATER MONITORING WELL MARKER PROTECTION PIPES
NOT TO SCALE

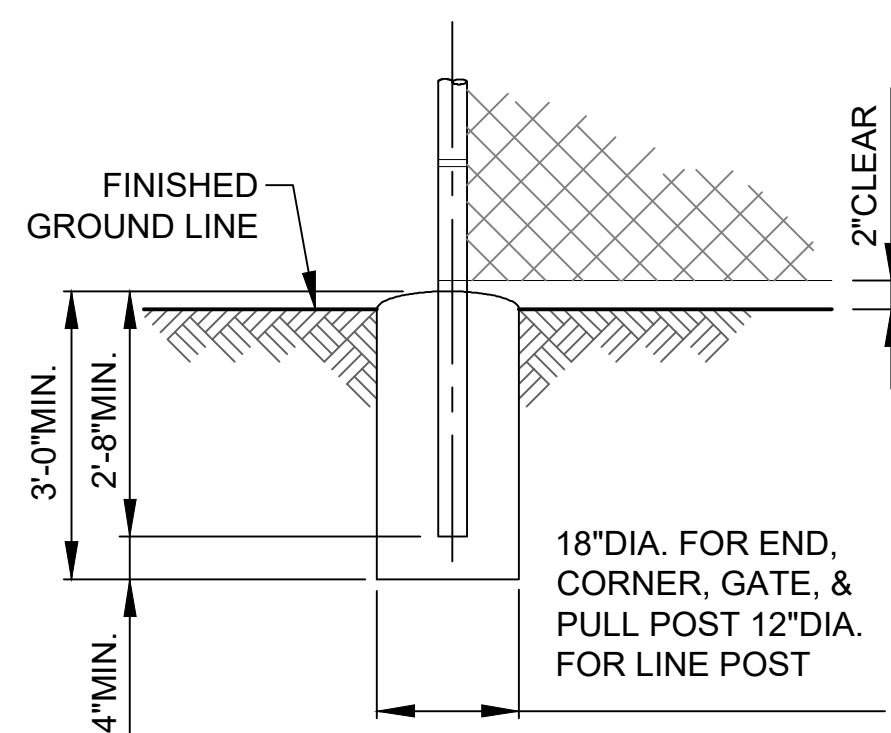


2 DETAIL - TYPICAL DISPOSAL SITE BOUNDARY AND BUFFER ZONE PIN AND MARKER
NOT TO SCALE



NOTE:
HORIZ. BRACE RAILS AND TRUSS ROD BRACING SHALL BE INSTALLED AT ALL CORNER, END, AND PULL POSTS. FABRIC SHALL BE FASTENED TO LINE POSTS AT NO MORE THAN 14" INTERVALS. TENSION WIRES SHALL BE TIED TO FABRIC WITH 9 GA. WIRE OR 11 GA. HOG RINGS AT INTERVALS OF 24" MAX.

4 SECURITY FENCE & DOUBLE SWING GATE
NOT TO SCALE



NOTE:
CONCRETE FOOTINGS WILL BE REQUIRED FOR ALL LINE, CORNER, GATE, END AND PULL POSTS.

5 FENCE POST FOOTING
NOT TO SCALE



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FOR

GEORGIA POWER COMPANY

PLANT HAMMOND — HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
PARCEL F
DETAILS

REVISION		DATE		REVISION		DATE									
				0		FEBRUARY 2025		ISSUED FOR CCR PERMIT APPLICATION							
BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR	MGR APPR	BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR	MGR APPR	SCALE	PROJ I.D.
BMS	KDL						BMS	KDL						AS SHOWN	175518236
														DRAWING NUMBER	SH
														69	CONTD
														FINAL	REV
														0	

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PLOT DATE: 2/25/25 USER: KVAUGHAN
175518236_P.F. DTDWG

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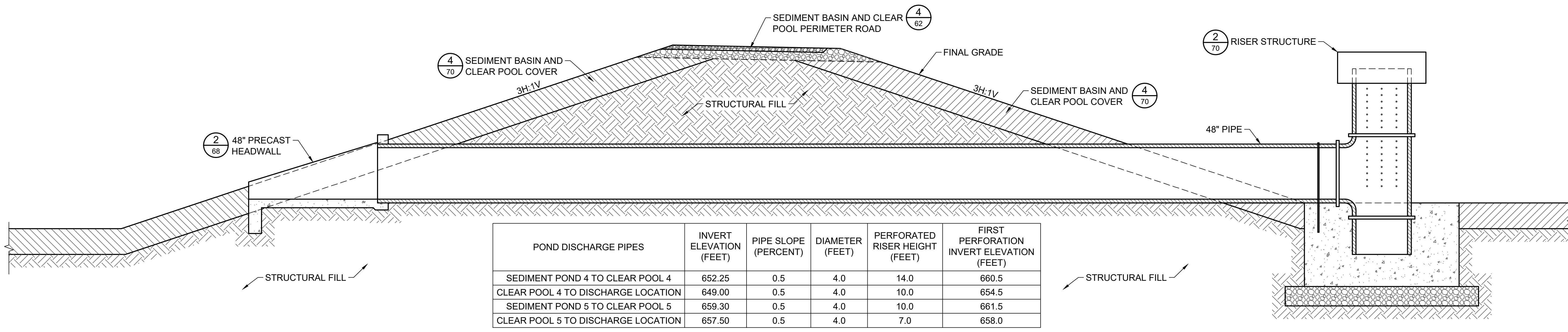
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D

C

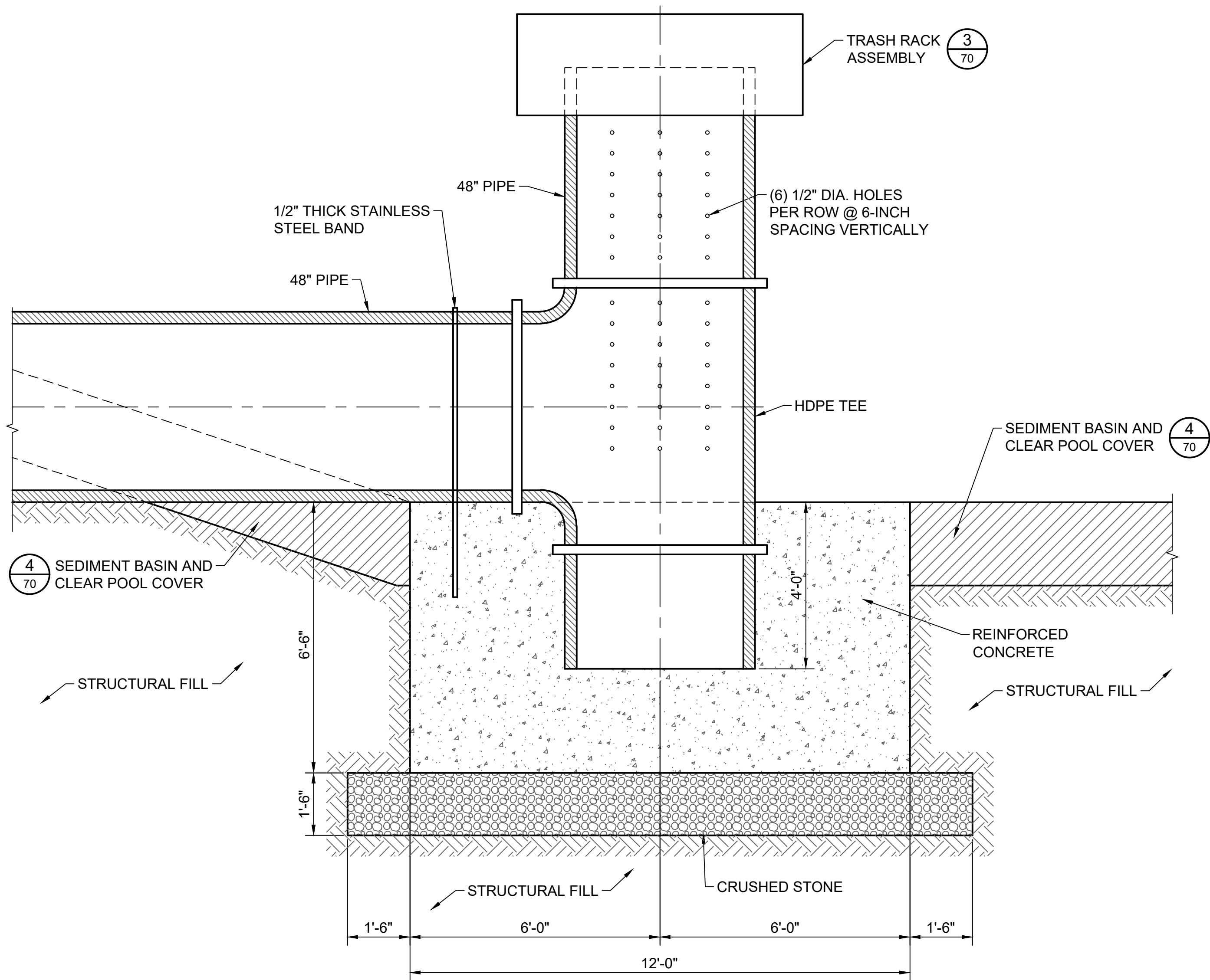
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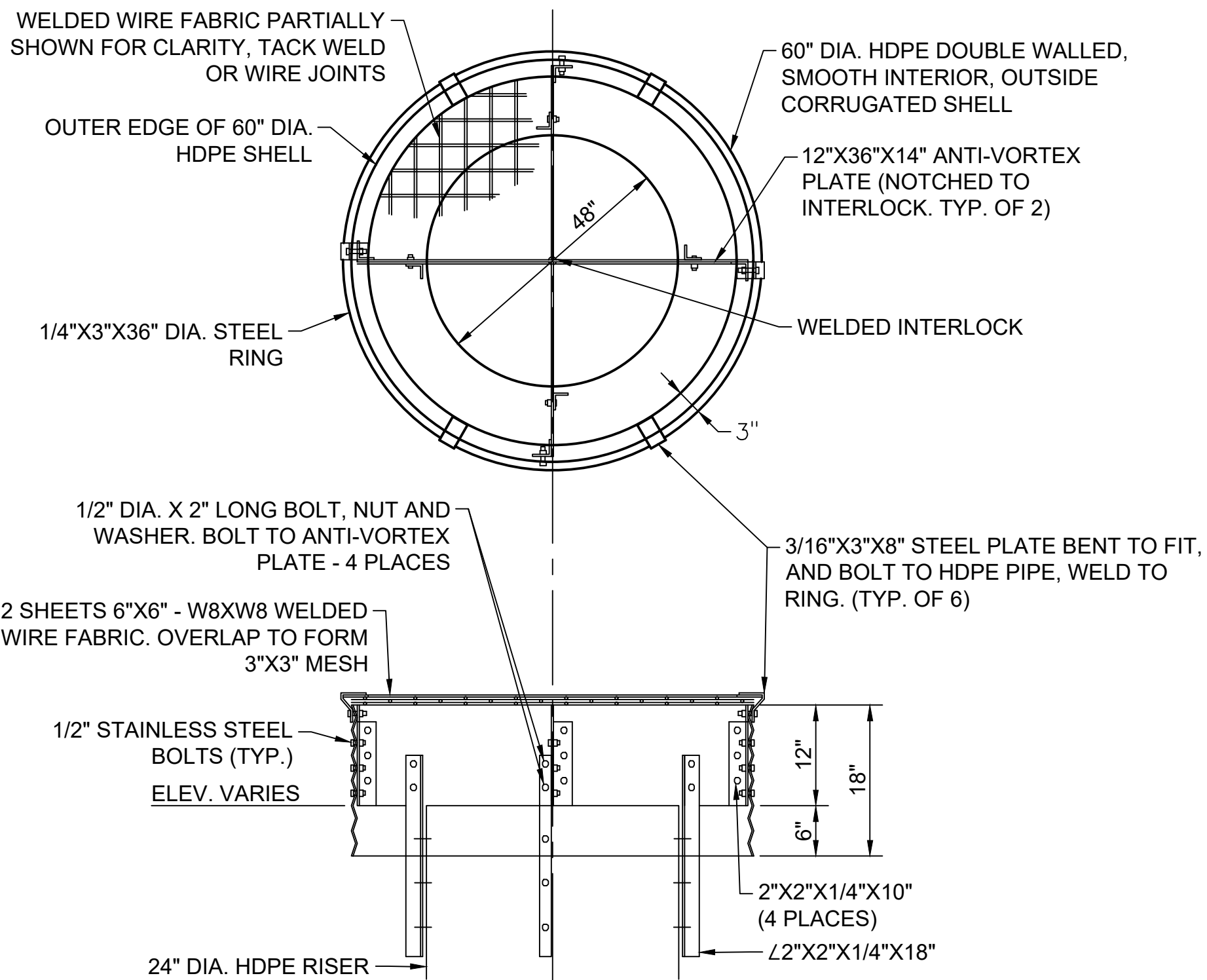


POND DISCHARGE PIPES	INVERT ELEVATION (FEET)	PIPE SLOPE (PERCENT)	DIAMETER (FEET)	PERFORATED RISER HEIGHT (FEET)	FIRST PERFORATION INVERT ELEVATION (FEET)
SEDIMENT POND 4 TO CLEAR POOL 4	652.25	0.5	4.0	14.0	660.5
CLEAR POOL 4 TO DISCHARGE LOCATION	649.00	0.5	4.0	10.0	654.5
SEDIMENT POND 5 TO CLEAR POOL 5	659.30	0.5	4.0	10.0	661.5
CLEAR POOL 5 TO DISCHARGE LOCATION	657.50	0.5	4.0	7.0	658.0

1
70
TYPICAL SECTION - OUTLET STRUCTURE
SCALE: 1/4"=1'-0"

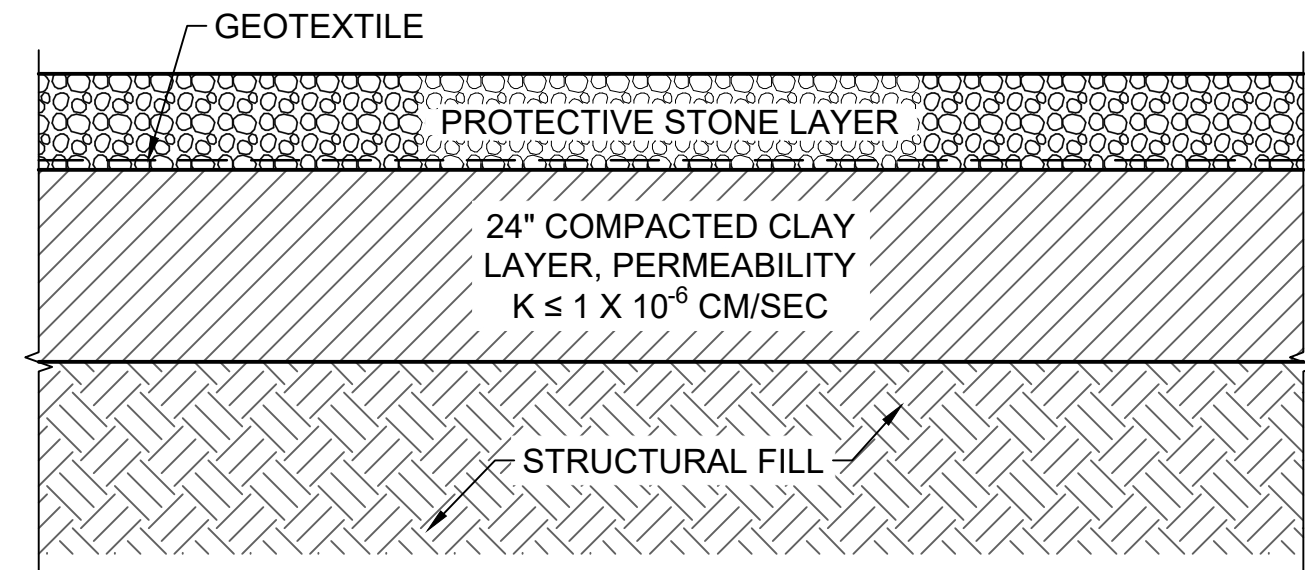


2
70
DETAIL - RISER STRUCTURE
SCALE: 1/2"=1'-0"

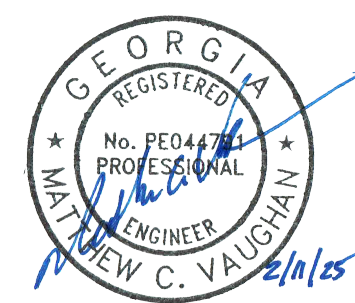


NOTE:
ALTERNATIVE TRASH RACK ASSEMBLIES MAY BE SUBMITTED FOR DESIGN ENGINEER APPROVAL.

3
70
DETAIL - TRASH RACK ASSEMBLY
SCALE: NTS



4
70
DETAIL - SEDIMENT BASIN AND CLEAR POOL COVER
SCALE: 1/2"=1'-0"



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PLANT HAMMOND — HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
PARCEL F
DETAILS

REVISION	DATE	REVISION	DATE
		0	FEBRUARY 2025
		ISSUED FOR CCR PERMIT APPLICATION	
BY	CHKD	CIVIL APPR	ELECT APPR
BY	CHKD	CIVIL APPR	ELECT APPR
BMS	KDL		
SCALE	PROJ I.D.	DRAWING NUMBER	SH
AS SHOWN	175518236		70

SECTION OR DETAIL NO.
TARGET DRAWING
REFERENCE KEY

PLT DATE: 2/2/2025 USER: MCHANEY, JMM
\\US022PPR5501\ISSUED_PROJECTS\175518236\TECHNICAL_PRODUCTION\DRAWINGS\REL_PERMITS\DWGSHEET_FILES\1_10236_1H1B2_P-F-DT11.DWG

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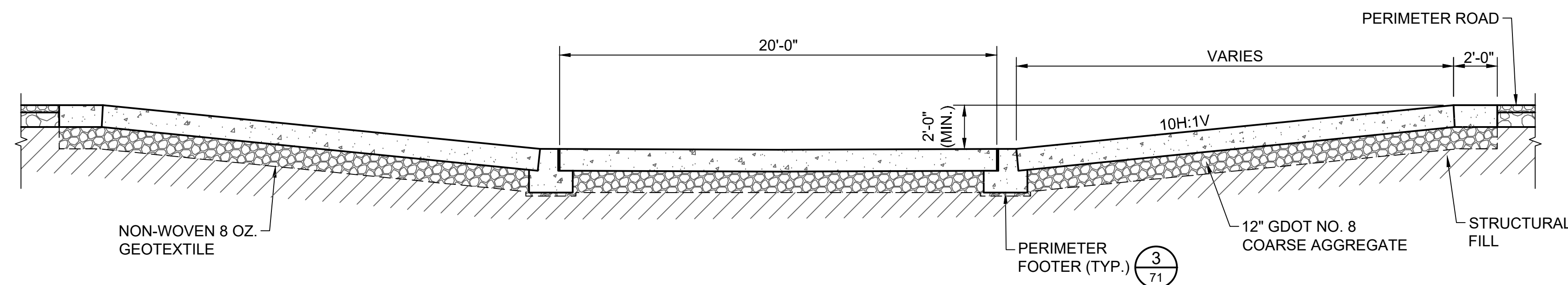
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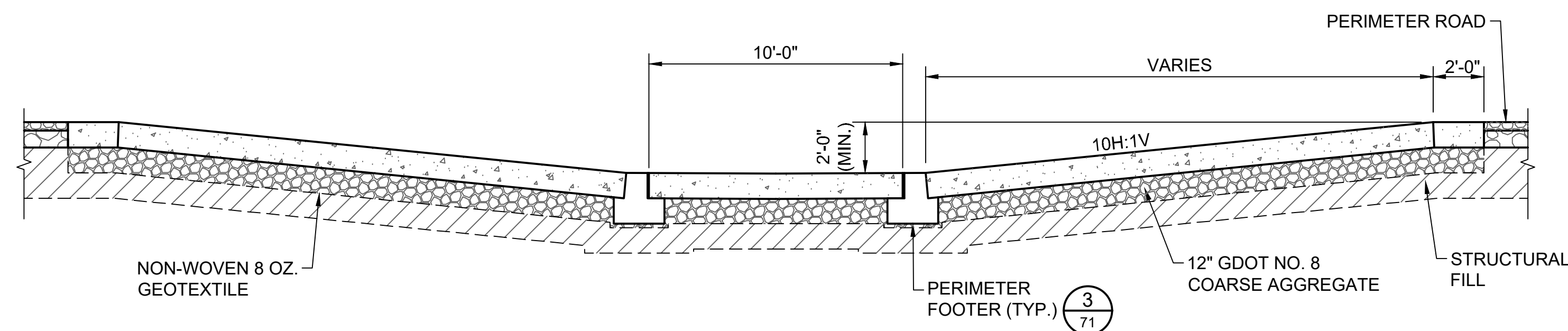
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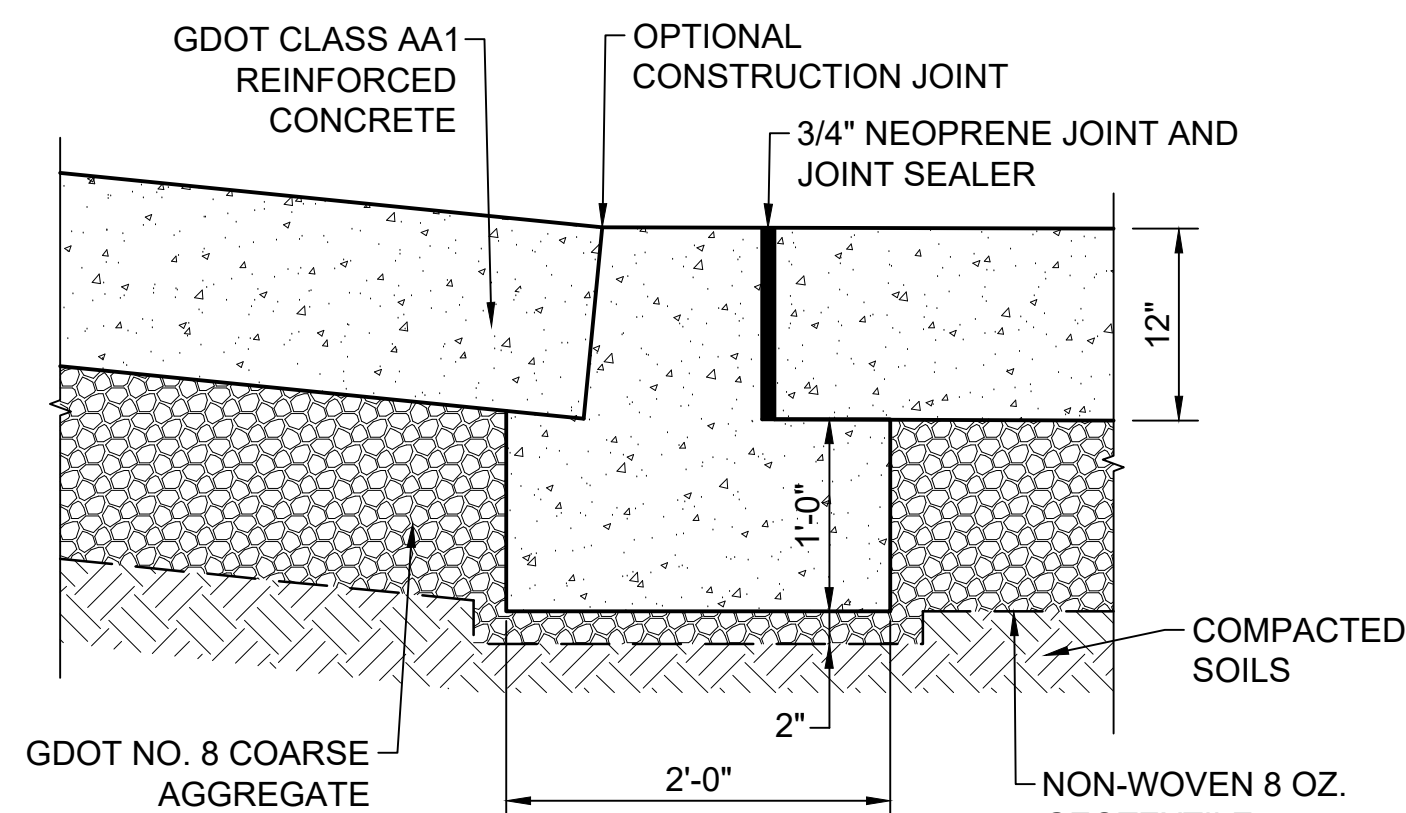
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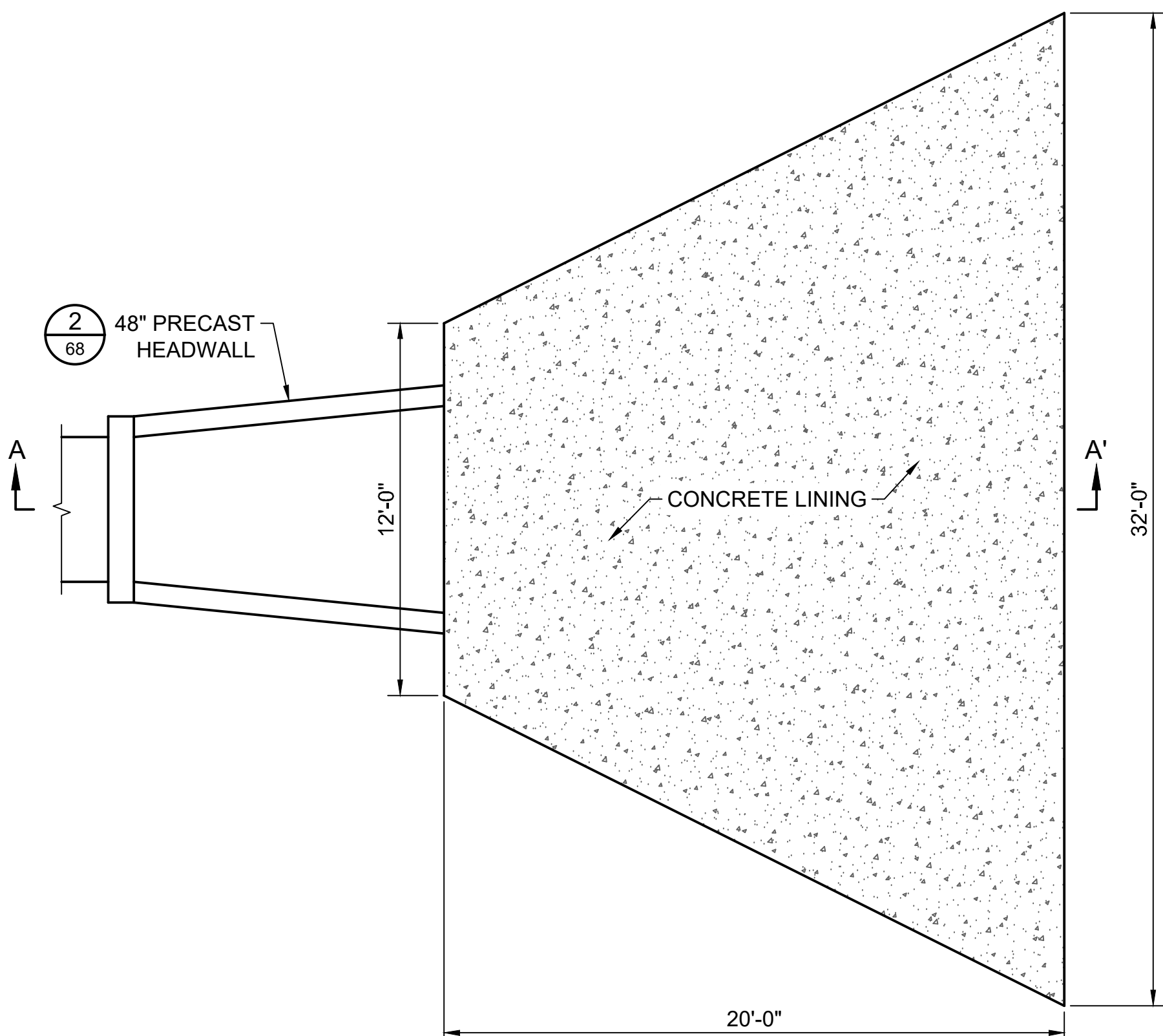
1
71
DETAIL - LOW WATER CROSSING AND EMERGENCY
SPILLWAY FOR SEDIMENT BASIN AND CLEAR POOL 4
SCALE: 1/4"=1'-0"



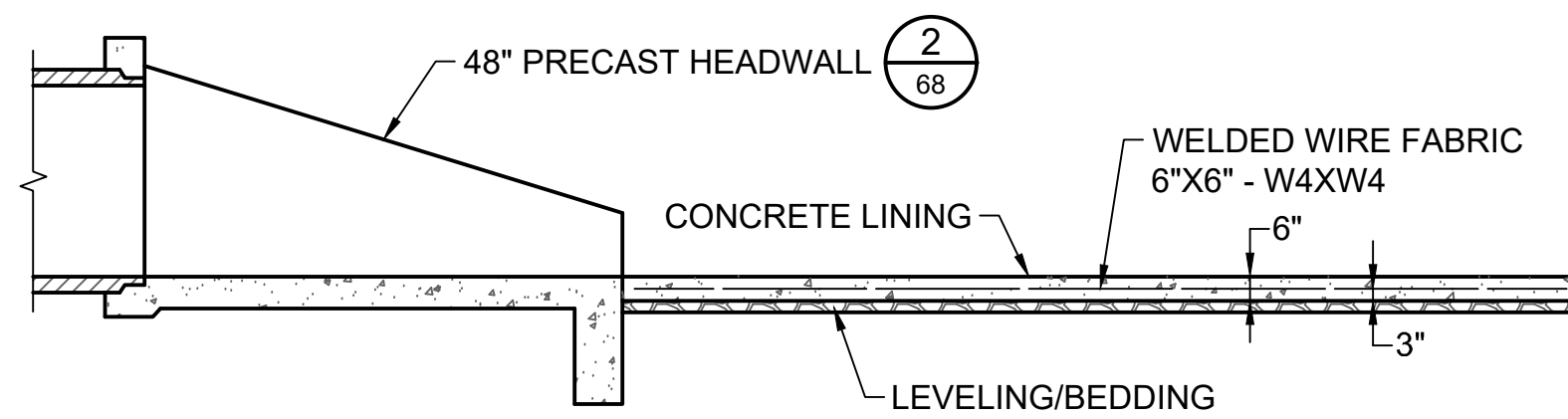
2
71
DETAIL - LOW WATER CROSSING AND EMERGENCY
SPILLWAY FOR SEDIMENT BASIN AND CLEAR POOL 5
SCALE: 1/4"=1'-0"



3
71
DETAIL - PERIMETER FOOTER
SCALE: 1"=1'-0"

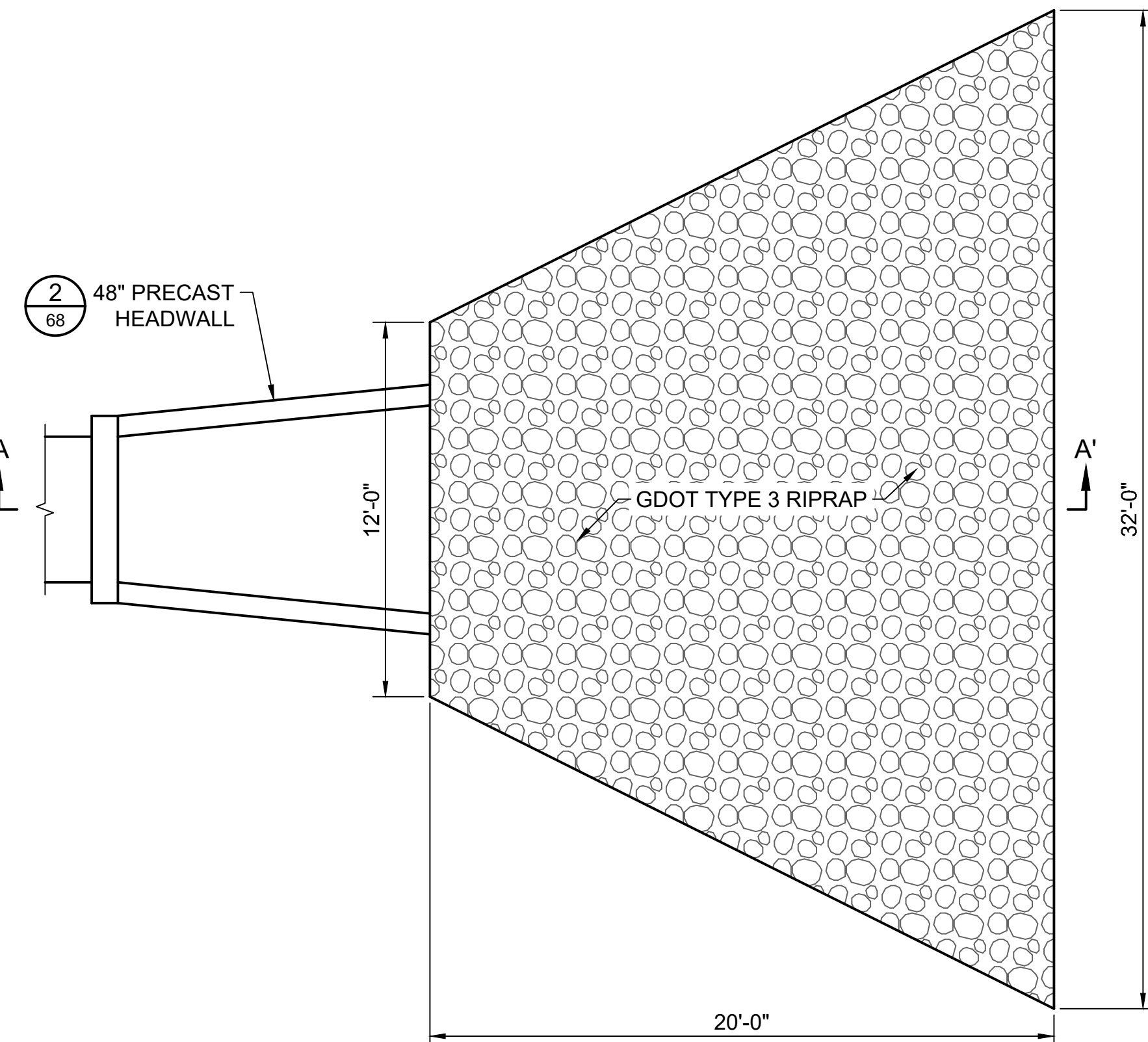


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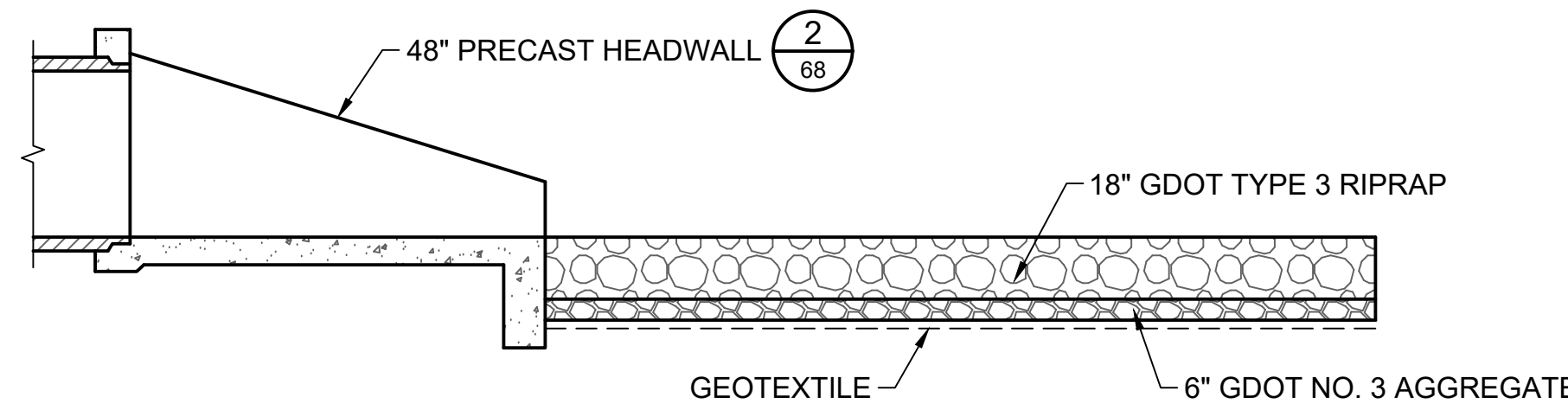


SECTION A-A'

5
71
DETAIL - CONCRETE APRON
SCALE: 1/4"=1'-0"

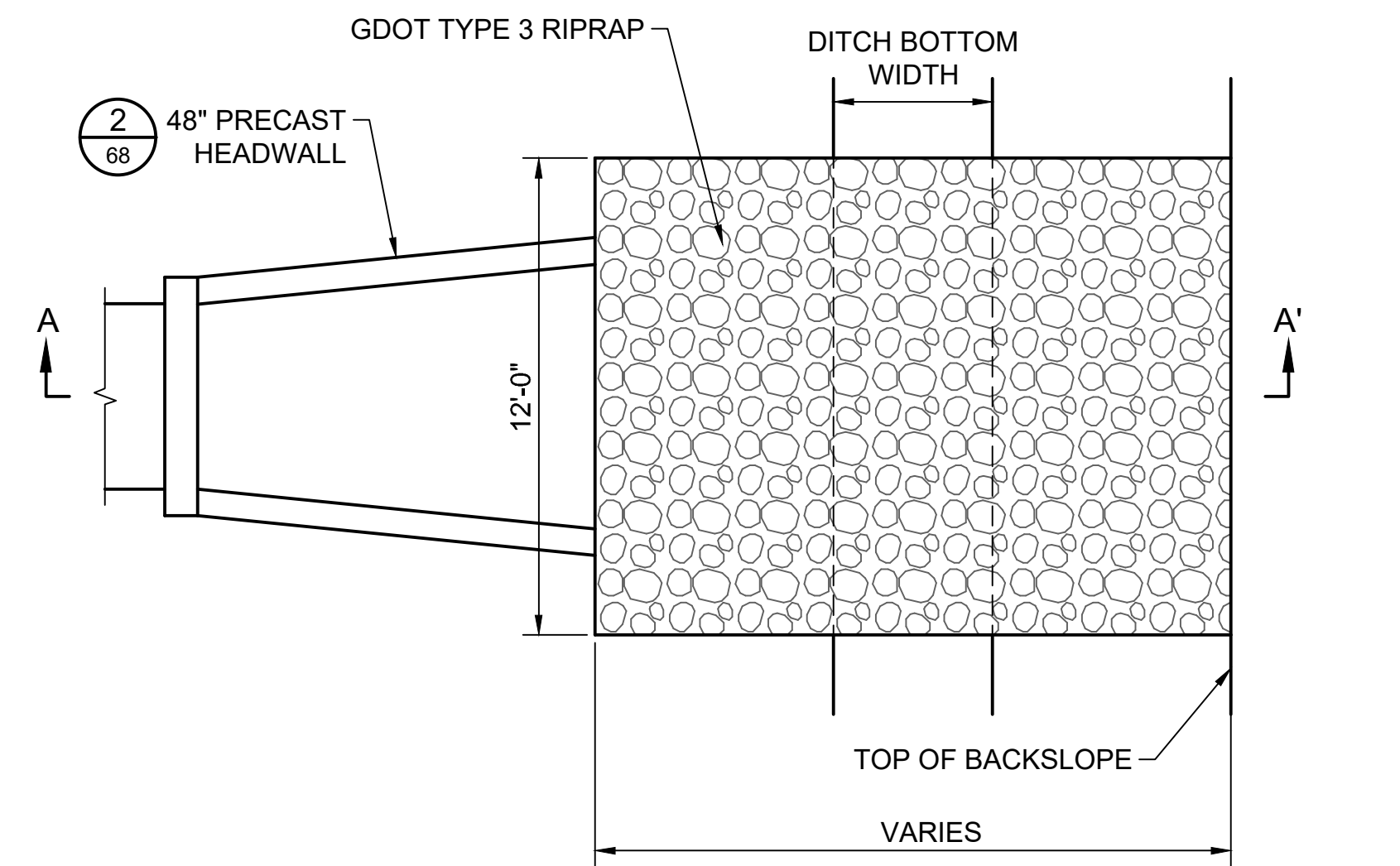


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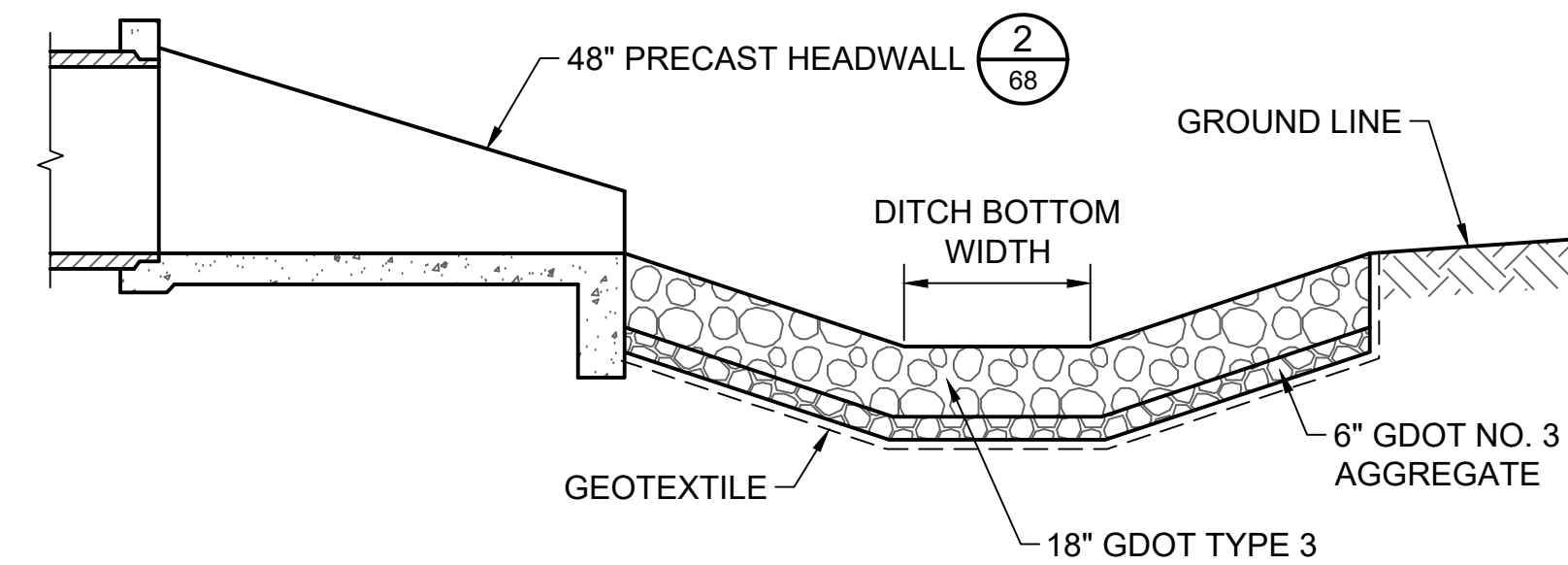


SECTION A-A'

6
71
DETAIL - RIPRAP APRON
SCALE: 1/4"=1'-0"

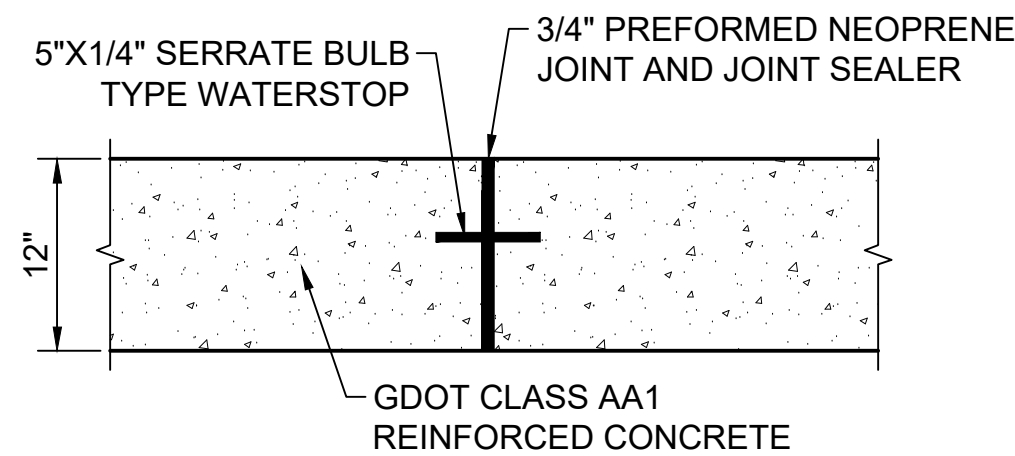


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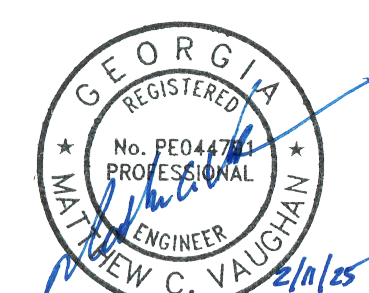


SECTION A-A'

7
71
DETAIL - RIPRAP APRON IN DITCH
SCALE: 1/4"=1'-0"



4
71
DETAIL - EXPANSION JOINT
SCALE: 1"=1'-0"



ISSUED FOR PERMIT

SECTION OR DETAIL NO.
TARGET DRAWING
REFERENCE KEY

REVISION		DATE	REVISION		DATE
			0		FEBRUARY 2025
			ISSUED FOR CCR PERMIT APPLICATION		
BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR
BMS	KDL	-	X	X	X

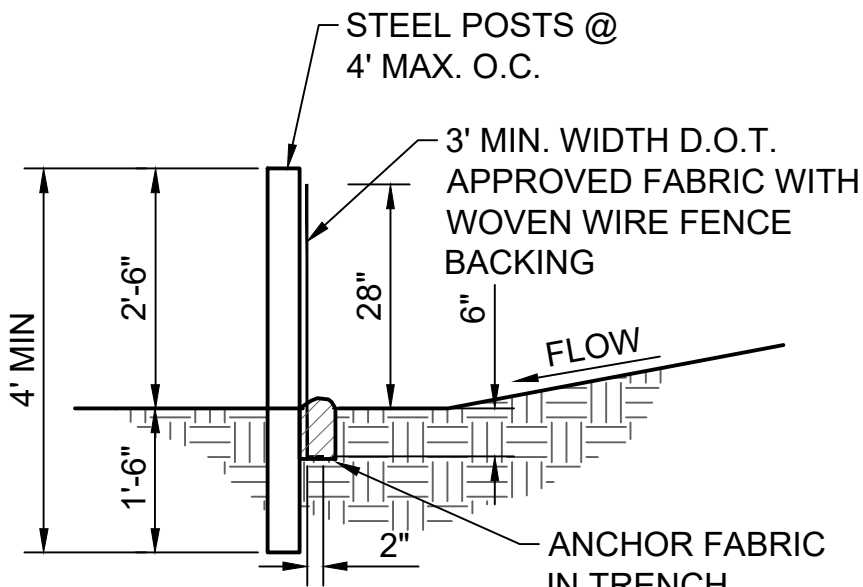
Stantec Consulting Services, Inc. FOR					
GEORGIA POWER COMPANY					
PLANT HAMMOND — HUFFAKER ROAD COAL COMBUSTION RESIDUALS DISPOSAL FACILITY PARCEL F DETAILS					
SCALE	PROJ. I.D.	DRAWING NUMBER	SH	CONTD.	REV
AS SHOWN	175518236	-	71	FINAL	0

PLT DATE: 02/02/25 USER: JHUNNEY / JHUNY
US250200PSS01 (ISSUED, PROJECT) 175518236 TECHNICAL PERMIT REVIEW SHEET FILES: 02, 0203, 010164, PLE, DT12.DWG

SILT FENCE NOTES

- ALL SILT FENCE SHOWN ON THE PLANS IS TO BE DOUBLE ROW TYPE "C" BARRIER. CONTRACTOR SHALL MAINTAIN FENCE AT THESE LOCATIONS DURING CONSTRUCTION OF CELLS UNTIL FINAL SURFACE TREATMENTS HAVE BEEN APPLIED AND A SUFFICIENT STAND OF GRASS HAS BEEN ESTABLISHED AS DETERMINED BY THE SITE ENGINEER.
- ADDITIONAL SILT FENCE SHALL BE REQUIRED IN AREAS WHICH ARE CLEARED OR GRADED AND DO NOT HAVE STORMWATER RUNOFF DIVERTED TO SEDIMENT BASINS MEETING THE CRITERIA LISTED IN THE TABLES. THE DRAINAGE AREA SHALL NOT EXCEED 1/4 ACRE FOR EVERY 100 FEET OF SILT FENCE.

CRITERIA FOR SILT FENCE PLACEMENT	
LAND SLOPE (PERCENT)	MAXIMUM LENGTH OF SLOPE ABOVE FENCE (FEET)
<2	100
2 TO 5	75
5 TO 10	50
10 TO 20	25
>20	15

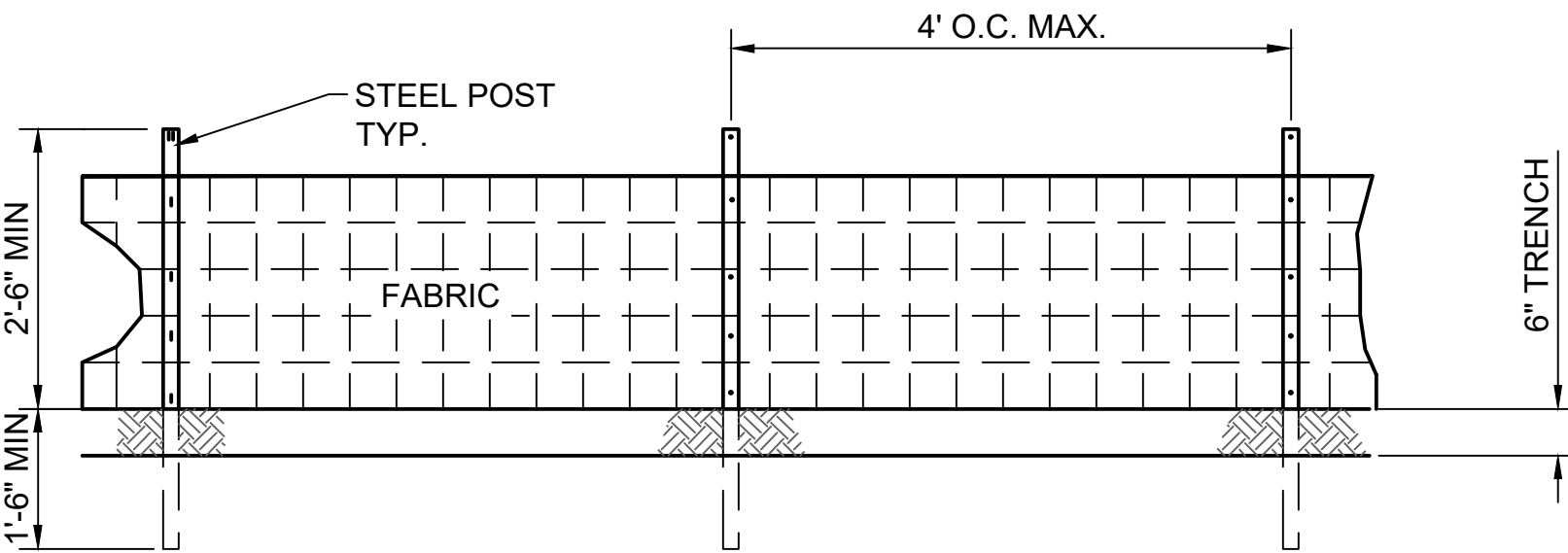


NOTE: THE SILT FENCE SHALL BE INSPECTED PERIODICALLY AND PROMPTLY REPAIRED OR REPLACED AS REQUIRED. FILTER FABRIC SHALL BE REPLACED WHENEVER IT HAS DETERIORATED TO SUCH AN EXTENT THAT IT REDUCES THE EFFECTIVENESS OF THE FABRIC.

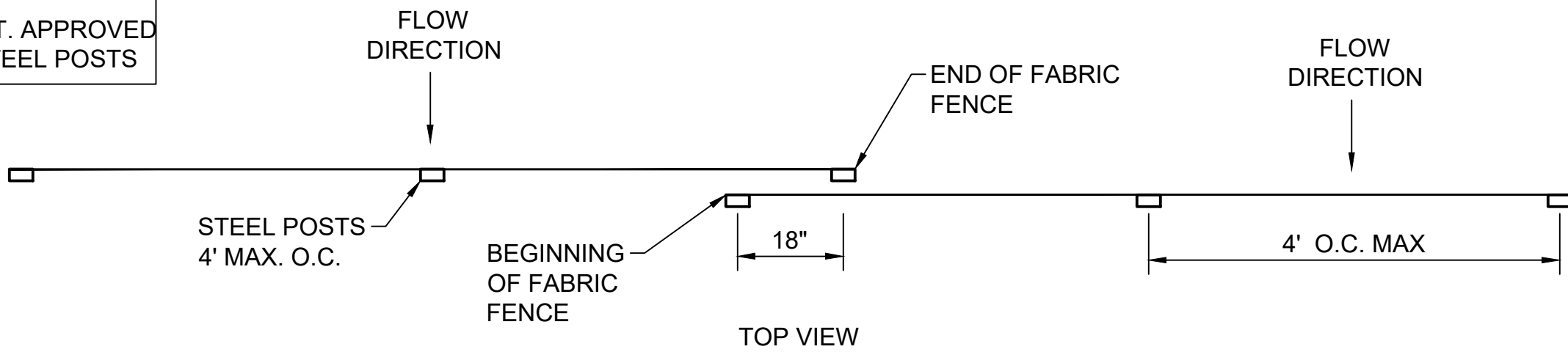
POSTS AND WOVEN WIRE SUPPORT:

POSTS SHALL BE STEEL AND HAVE A MINIMUM LENGTH OF 4 FEET. POSTS SHALL BE "U", "T", OR "C" SHAPED, OR WOOD FOR TYPE A, AND HAVE A MINIMUM WEIGHT OF 1.3 POUNDS PER FOOT. THE POSTS SHALL HAVE PROJECTIONS FOR FASTENING THE WOVEN WIRE AND FILTER FABRIC. MAXIMUM POSTS SPACING SHALL BE 6 FEET FOR TYPE A OR 4 FEET FOR TYPE C. A WOVEN WIRE SUPPORT FENCE SHALL BE USED WITH TYPE "C" FENCE. THE WIRE FENCE FABRIC SHALL BE AT LEAST 36 INCHES HIGH AND SHALL HAVE AT LEAST 6 HORIZONTAL WIRES. VERTICAL WIRES SHALL HAVE A MAXIMUM SPACING OF 12 INCHES. THE TOP AND BOTTOM WIRES SHALL BE AT LEAST 10 GAUGE AND ALL OTHER WIRES SHALL BE AT LEAST 12 1/2 GAUGE.

FILTER FABRICS FOR TYPE "C" FENCES:
APPROVED SILT FENCE FABRICS ARE LISTED IN THE GEORGIA DEPARTMENT OF TRANSPORTATION QUALIFIED PRODUCTS LIST #36 (QPL-36).

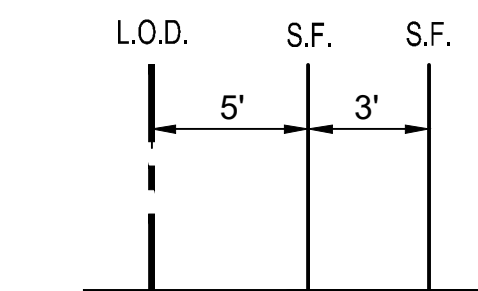


NOTE: USE 36" G.D.O.T. APPROVED FABRIC USE STEEL POSTS



INSTALLATION

- INSTALL WHERE SHEET FLOW CONDITIONS EXIST.
- WHERE NO SEDIMENT TRAP/STORMWATER DISPOSAL SYSTEM IS PRESENT, MAXIMUM SLOPE SHALL NOT EXCEED THOSE IN THE TABLE. ALSO, THE DRAINAGE AREA IS NOT TO EXCEED 1/4 ACRE PER 100 FEET OF SILT FENCE.
- APPROVED SILT FENCE FABRICS ARE LISTED IN THE GEORGIA DEPARTMENT OF TRANSPORTATION QUALIFIED PRODUCTS LIST #36 (QPL-36). VERIFY FABRIC BY INSPECTION OF FABRIC NAME PRINTED EVERY 100 FEET OF SILT FENCE.
- INSTALL ACCORDING TO APPROVED PLAN, AS SHOWN.
- INSTALL ALONG CONTOURS WITH ENDS POINTING UPHILL.
- DO NOT PLACE IN WATERWAYS OR AREAS OF CONCENTRATED FLOW.
- START POST INSTALLATION AT THE CENTER OF THE LOWEST POINT WITH REMAINING POSTS SPACED ACCORDING TO FIGURE.
- 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. AND THAT SUPPORT POST SPACING DOES NOT EXCEED 4 FT. FOR TYPE C & 6 FOR TYPE A.
- USE MINIMUM 18" OVERLAP AT FABRIC ENDS.
- USE A DOUBLE ROW OF TYPE "C" SILT FENCE ALONG STREAM BUFFERS AND OTHER SENSITIVE AREAS.
- A TRENCH 6 INCHES IN DEPTH SHALL BE EXCAVATED WITH EQUIPMENT SUCH AS A TRENCHING MACHINE OR MOTOR GRADER; OR, IF EQUIPMENT CANNOT BE OPERATED ON THE SITE, BY HAND.
- POST INSTALLATION SHALL START AT THE CENTER OF THE LOW POINT (IF APPLICABLE) WITH THE REMAINING POSTS SPACED A MAXIMUM OF 4 OR 6 FEET APART. POSTS SHALL BE INSTALLED WITH AT LEAST 18 INCHES IN THE GROUND. WHERE AN 18 INCH DEPTH IS IMPOSSIBLE TO ACHIEVE, THE POSTS SHALL BE ADEQUATELY SECURED TO PREVENT OVERTURNING OF THE FENCE DUE TO SEDIMENT LOADING.
- FILTER FABRIC SHALL BE ATTACHED TO THE POST BY WIRE, CORD, POCKETS, STAPLES, NAILS, OR OTHER ACCEPTABLE MEANS. THE FILTER FABRIC SHALL BE INSTALLED IN SUCH A MANNER THAT 8 INCHES OF FABRIC IS LEFT AT THE BOTTOM TO BE BURIED AND A MINIMUM OVERLAP OF 18 INCHES IS PROVIDED AT ALL SPLICE JOINTS. THE FABRIC SHALL BE INSTALLED IN THE TRENCH SUCH THAT 4 TO 6 INCHES OF FABRIC IS AGAINST THE SIDE OF THE TRENCH WITH 2 TO 4 INCHES OF FABRIC ACROSS THE BOTTOM IN THE UPSTREAM DIRECTION.



DEFINITION

A TEMPORARY GRADE CONTROL STRUCTURE, OR DAM CONSTRUCTED ACROSS A SWALE, DRAINAGE DITCH, OR AREA OF CONCENTRATED FLOW.

CONDITIONS

- THIS PRACTICE IS APPLICABLE FOR USE IN SMALL OPEN CHANNELS AND IS NOT TO BE USED IN A LIVE STREAM. SPECIFIC APPLICATIONS INCLUDE:
- TEMPORARY OR PERMANENT SWALES OR DITCHES IN NEED OF PROTECTION DURING ESTABLISHMENT OF GRASS LININGS.
 - TEMPORARY OR PERMANENT SWALES OR DITCHES WHICH, DUE TO THEIR SHORT LENGTH OF SERVICE OR OTHER REASONS, CANNOT RECEIVE A PERMANENT NON-ERODIBLE LINING FOR AN EXTENDED PERIOD OF TIME.
 - OTHER LOCATIONS WHERE SMALL LOCALIZED EROSION AND RESULTING SEDIMENTATION PROBLEMS EXIST.

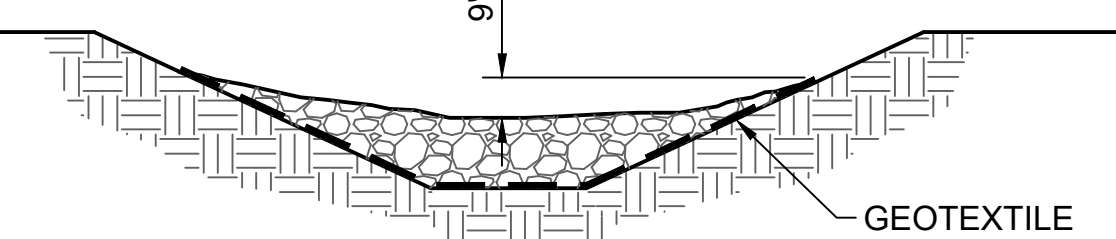
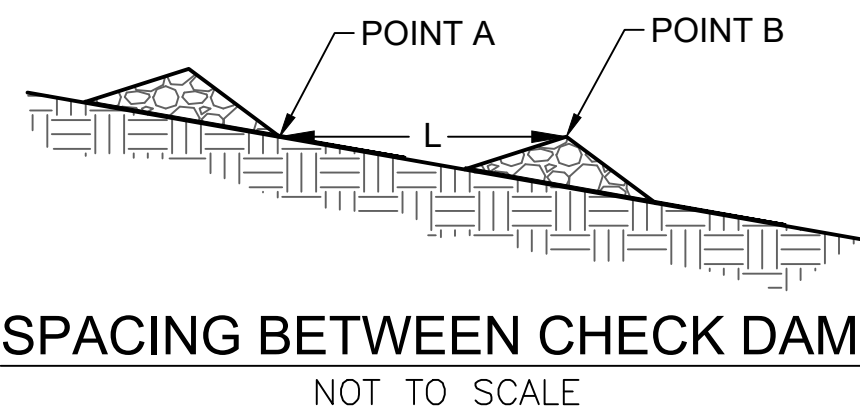
SPECIFICATIONS:

THE FOLLOWING TYPES OF CHECK DAMS ARE USED FOR THIS STANDARD:

STONE CHECK DAM

STONE CHECK DAMS SHOULD BE CONSTRUCTED OF GRADED SIZE 2-10 INCH STONE. MECHANICAL OR HAND PLACEMENT SHALL BE REQUIRED TO ENSURE COMPLETE COVERAGE OF THE ENTIRE WIDTH OF DITCH OR SWALE AND THAT CENTER OF THE DAM IS LOWER THAN THE EDGES. THE CENTER OF THE CHECK DAM MUST BE AT LEAST 9 INCHES LOWER THAN THE OUTER EDGES.

A = THE TOE OF THE UPSTREAM CHECK DAM.
B = TOP OF THE DOWNSTREAM CHECK DAM.
L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION.



2 DETAIL - CHECK DAM - STONE CHECK DAM NOT TO SCALE

SPACING:

TWO OR MORE CHECK DAMS IN A SERIES SHALL BE USED FOR DRAINAGE AREAS GREATER THAN ONE (1) ACRE. MAXIMUM SPACING BETWEEN DAMS SHOULD BE SUCH THAT THE TOE OF THE UPSTREAM DAM IS AT THE SAME ELEVATION AS THE TOP OF THE DOWNSTREAM DAM.

GEOTEXTILES:

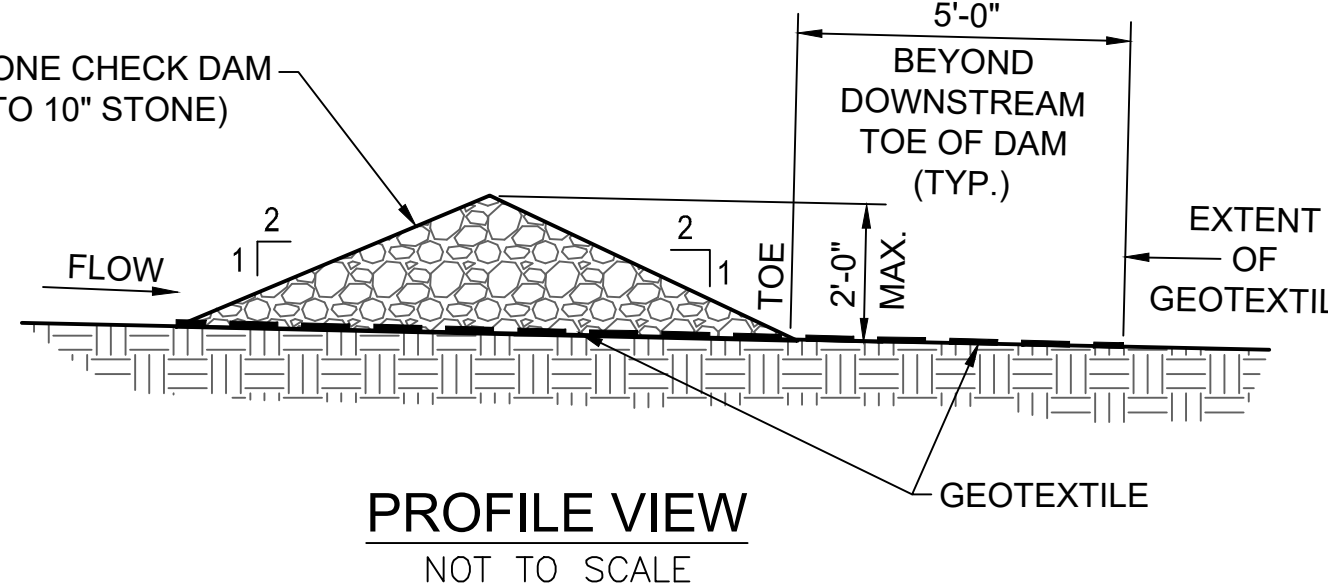
A GEOTEXTILE SHOULD BE USED AS A SEPARATOR BETWEEN THE GRADED STONE AND THE SOIL BASE AND ABUTMENTS. THE GEOTEXTILE WILL PREVENT THE MIGRATION OF SOIL PARTICLES FROM THE SUBGRADE INTO THE GRADED STONE. THE GEOTEXTILE SHALL BE SELECTED/SPECIFIED IN ACCORDANCE WITH AASHTO M288-96 SECTION 7.3, *SEPARATION REQUIREMENTS*, TABLE 3. GEOTEXTILES SHALL BE "SET" INTO THE SUBGRADE SOILS. THE GEOTEXTILE SHALL BE PLACED IMMEDIATELY ADJACENT TO THE SUBGRADE WITHOUT ANY VOIDS AND EXTEND FIVE FEET BEYOND THE DOWNSTREAM TOE OF THE DAM TO PREVENT SCOUR.

MAINTENANCE:

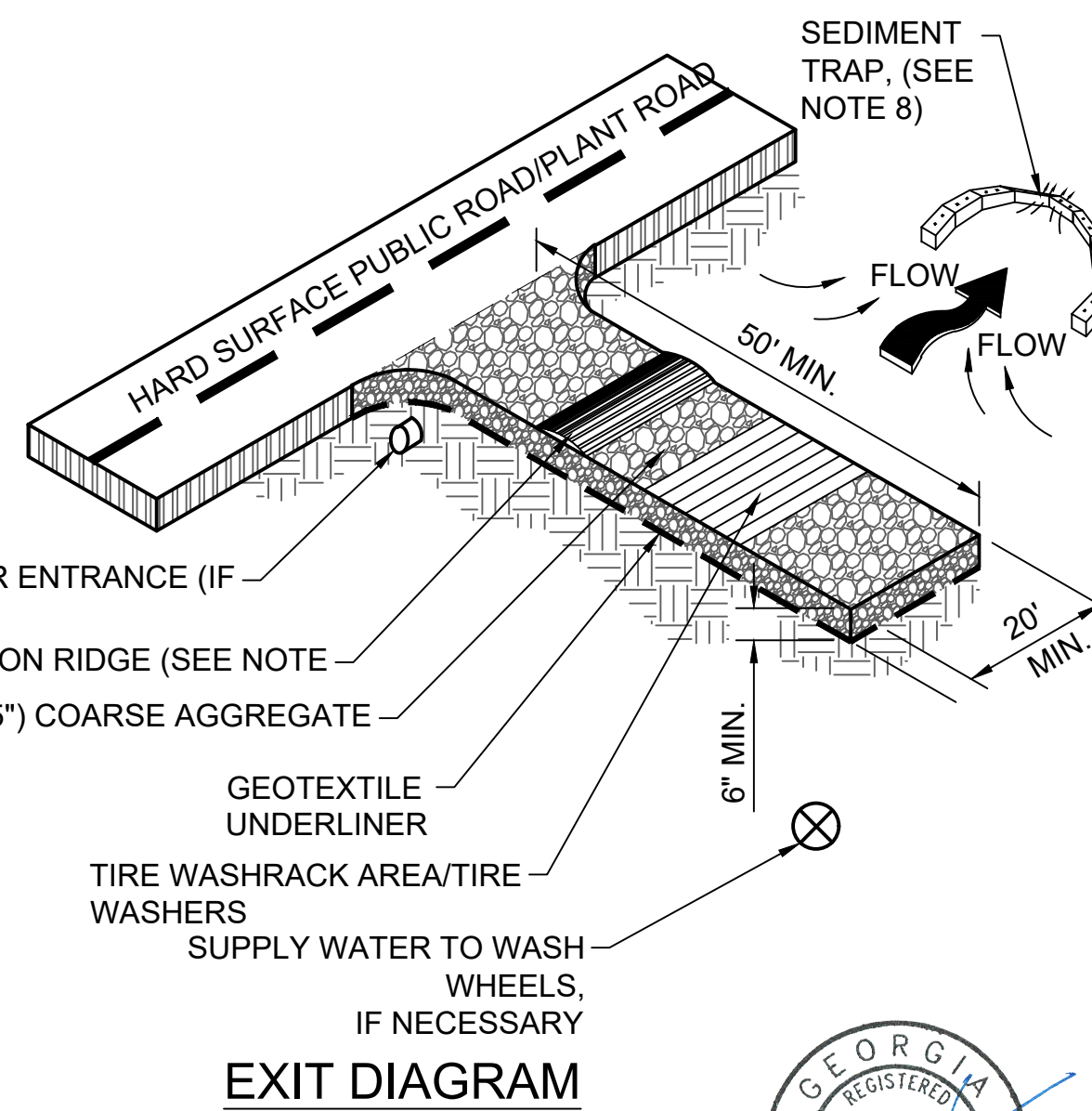
PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED. SEDIMENT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF ONE-HALF THE ORIGINAL DAM HEIGHT OR BEFORE. IF THE AREA IS TO BE MOWED, CHECK DAMS SHALL BE REMOVED ONCE FINAL STABILIZATION HAS OCCURRED. OTHERWISE, CHECK DAMS MAY REMAIN IN PLACE PERMANENTLY. AFTER REMOVAL, THE AREA BENEATH THE DAM SHALL BE SEEDED AND MULCHED IMMEDIATELY.

NOTES:

- CHECK DAMS ARE TO BE USED ONLY IN SMALL OPEN CHANNELS (THEY ARE NOT TO BE USED IN LIVE STREAMS).
- THE DRAINAGE AREA FOR STONE CHECK DAMS SHALL NOT EXCEED TWO ACRES.
- THE CENTER OF THE CHECK DAM MUST BE AT LEAST 9 INCHES LOWER THAN THE OUTER EDGES.
- THE DAM HEIGHT SHOULD BE A MAXIMUM OF 2 FEET FROM CENTER TO RIM EDGE.
- THE SIDE SLOPES OF THE CHECK DAM SHALL NOT EXCEED A 2:1 SLOPE.
- 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).



- 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.



ISSUED FOR PERMIT

Stantec Consulting Services, Inc.
FOR

GEORGIA POWER COMPANY

PLANT HAMMOND — HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
PARCEL F
DETAILS

REVISION	DATE	REVISION	DATE
		0	FEBRUARY 2025
		ISSUED FOR CCR PERMIT APPLICATION	
BY	CHK'D	CIVIL APPR	ELECT APPR
BY	CHK'D	CIVIL APPR	ELECT APPR
JJM	KDL	-	

SECTION OR DETAIL NO.
— TARGET DRAWING
REFERENCE KEY

PLT DATE: 2/2/25 USER: JVAUGHN PROJECT: 175518236 TECHNICAL PERMIT SHEET FILES: 03_18236_18198.dwg PLOT DATE: 2/2/25 USER: JVAUGHN PROJECT: 175518236 TECHNICAL PERMIT SHEET FILES: 03_18236_18198.dwg

F

E

D

C

B

A

F

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B

A

NOTE:
STAPLE PATTERNS ARE DEPENDENT
ON SITE CONDITIONS. SEE STAPLE
PATTERN FOR DETAILS.

CHANNEL TRENCH,
SEE DETAIL

CHANNEL BLANKET
END OF ROLL OVERLAP
NOT TO SCALE

CHANNEL TRENCH,
SEE DETAIL

CHANNEL BLANKET END
OF ROLL OVERLAP,
SEE DETAIL

CHANNEL BLANKET END
OF ROLL OVERLAP
(3' MIN. STAGGERED),
SEE DETAIL

"RECYCLEX" TRM AS MANUFACTURED
BY AMERICAN EXCELSIOR CO. OR
APPROVED ALTERNATE

TRENCH APPROX.
10" WIDE x 8" DEEP

STEP 1

STEP 2

SLOPE TRENCH
NOT TO SCALE

NOTE:
STAPLE PATTERNS ARE DEPENDENT ON
SITE CONDITIONS.
SEE STAPLE PATTERN FOR DETAILS.

2
73
DETAIL - PERIMETER DITCH LINER
NOT TO SCALE

1
73
DETAIL - EMERGENCY SPILLWAY DITCH LINER
NOT TO SCALE

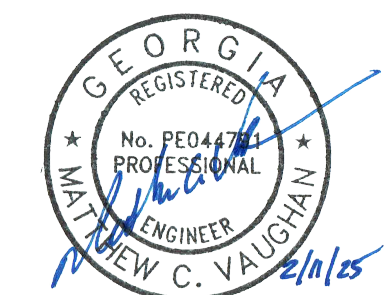
SECTION 2-2
NOT TO SCALE

SECTION 1-1
NOT TO SCALE

CHANNEL TERMINATION PLAN
NOT TO SCALE

CHANNEL TERMINATION
NOT TO SCALE

- REFERENCES:
1. MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, LATEST EDITION.
 2. FOR A COMPLETE DRAWING LIST SEE SHEET 1.



STAPLE PATTERN
NOT TO SCALE

NOTE:
FOR COHESIVE SOIL USE
A 6"x1"x8" 11 GAUGE WIRE
STAPLE AND FOR NON-
COHESIVE SOIL USE A
8"x2"x8" 11 GAUGE WIRE
STAPLE.

REV. 3 OF THIS DRAWING BEING PART OF THE "DESIGN AND
OPERATIONS PLAN" FOR THE PLANT HAMMOND-HUFFAKER ROAD
CCB DISPOSAL FACILITY, WAS SEALED BY GARY H. MCWHORTER,
GEORGIA REGISTERED PROFESSIONAL ENGINEER NO. PE012687

SECTION OR DETAIL NO.
TARGET DRAWING
REFERENCE KEY

ISSUED FOR PERMIT

REVISION		DATE		REVISION		DATE	
				0		FEBRUARY 2025	
				ISSUED FOR CCR PERMIT APPLICATION			
BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR	MGR APPR	
JJM	KDL	-					

Stantec Consulting Services, Inc. FOR			
GEORGIA POWER COMPANY			
PLANT HAMMOND — HUFFAKER ROAD COAL COMBUSTION RESIDUALS DISPOSAL FACILITY PARCEL F DETAILS			
SCALE	PROJ. I.D.	DRAWING NUMBER	SH. CONTD. REV.
AS SHOWN	175518236	-	73 FINAL 0

PLOT DATE: 2/20/25 USER: JMCUNNEY -JAWY
 USERSSD APPR(S) ISSA(RED) PROJECT: 175518236 TECHNICAL PRODUCTION DRAWING(S) PERMIT SHEET FILES\4_10236_18197_GNT.DWG

PARCELS "A" AND "B" SITE DEVELOPMENT AND INITIAL FILL OPERATION

THE DRAINAGE FOR PARCELS "A" AND "B" IS DESIGNED TO SEPARATELY COLLECT LEACHATE FROM THE LANDFILL, AND ITS WORKING FACE, AND SURFACE STORMWATER RUN-OFF FROM WITHIN THE LANDFILL. SINCE THE SITE WORK FOR PARCELS "A" AND "B" WILL BE DONE CONCURRENTLY, SEDIMENTATION POND #1 AND CLEAR POOL WILL ACCOMMODATE THE SURFACE STORMWATER RUN-OFF FROM BOTH PARCELS. THE POND CONSISTS OF A MAIN SEDIMENT POND AND A CLEAR POOL, DESIGNED TO PASS THE 24-HOUR, 100-YEAR STORM EVENT WITH NO BASIN OVERFLOW. ADDITIONALLY, WATER FROM BOTH PARCELS WHICH MIGRATES THROUGH THE WASTE AND ENTERS THE LEACHATE COLLECTION AND REMOVAL SYSTEM, WILL BE ROUTED TO A SEPARATE LEACHATE POND. THIS POND IS DESIGNED TO CONTAIN THE 24-HOUR, 100-YEAR STORM EVENT ON THE POND PLUS 10 DAYS OF LEACHATE STORAGE AND AN ADDITIONAL 2-FEET OF FREEBOARD. THE LEACHATE IS PUMPED FROM THE COLLECTION SUMP TO THE LEACHATE POND. AS NECESSARY, THE LEACHATE IS THEN PUMPED FROM THE POND TO A WATER TRUCK TO BE RECIRCULATED AS ASH CONDITIONING WATER AND DUST CONTROL ONLY IN THE ACTIVE WORKING FACE OR RETURNED TO THE PLANT TO THE CO-TREATMENT POND.

THE COAL COMBUSTION RESIDUALS DISPOSAL FACILITY SHALL BE GRADED TO DRAIN AS SHOWN.

- EARTH FILL FOR THE SEDIMENTATION DIKE AND LEACHATE POND DIKE SHALL BE PLACED ON ORIGINAL GROUND.
- THE SEDIMENT BASIN AND CLEAR POOL WILL CONSIST OF A MINIMUM OF TWO FEET COMPACTED CLAYEY SOIL LINER WITH A MAXIMUM HYDRAULIC CONDUCTIVITY OF 1 X 10⁻⁵ CM/SEC, OVERLAIN WITH A MARKER BED COMPOSED OF 4 INCHES OF CRUSHER RUN GRAVEL TO FACILITATE CLEANOUT.

PARCEL A AND B, INCLUDING THE INTERIOR SLOPES OF PERIMETER BERM, WILL BE LINED WITH A COMPOSITE LINER CONSISTING OF A MINIMUM TWO FEET COMPACTED CLAYEY SOIL LINER WITH A MAXIMUM HYDRAULIC CONDUCTIVITY OF 1 X 10⁻⁷ CM/SEC, AND A 60 MIL HDPE GEOMEMBRANE. A LEACHATE COLLECTION AND REMOVAL SYSTEM (LCRS) WILL OVERLIE THE COMPOSITE LINER. THIS WILL BE COMPRISED OF A DOUBLE SIDED GEOCOMPOSITE DRAINAGE LAYER UNDERLYING A MINIMUM TWO FEET SAND PRIMARY FILTER AND DRAINAGE LAYER WITH A MINIMUM HYDRAULIC CONDUCTIVITY OF 1 X 10⁻² CM/SEC. ON INTERIOR SLOPES OF THE PERIMETER DIKE, THE HDPE WILL BE COVERED WITH 12 INCHES OF COARSE SAND WITH A MINIMUM HYDRAULIC CONDUCTIVITY OF 1 X 10⁻² CM/SEC OVERLAIN WITH 12 INCHES OF STONE (SEE SHEET 7).

THE LEACHATE POND IS PROVIDED WITH A LNER SYSTEM CONSISTING OF A LOWER COMPONENT OF A MINIMUM TWO FEET OF COMPACTED CLAY/SILT LINER WITH A MAXIMUM HYDRAULIC CONDUCTIVITY OF 1 X 10⁻⁷ CM/SEC, AND AN UPPER COMPONENT CONSISTING OF A DOUBLE LINER OF 60 MIL HDPE GEOMEMBRANE. THE DOUBLE HDPE LINER WILL BE SEPARATED BY A DOUBLE-SIDED DRAINAGE GEOCOMPOSITE AS A LEAK DETECTION LAYER (SEE SHEET 9).

- DURING THE INITIAL FILL OPERATIONS (FOR THE INITIAL LIFT), THE LEACHATE GENERATED FROM THE ACTIVE WORKING FACE AND WORKING AREA WILL BE SEPARATED FROM STORM WATER RUN-OFF IN THE REMAINING AREA OF THE CELL BY A TEMPORARY CONTAINMENT BERM CONSTRUCTED NO FARTHER THAN 100 FT. DOWN-GRADIENT FROM THE TOE OF THE WORKING FACE. THIS TEMPORARY BERM WILL CONTAIN THE LEACHATE, INCLUDING CONTACT WATER, AND SEDIMENT TO WITHIN THE ACTIVE WORKING AREA OF THE CELL WHERE IT WILL ENTER THE LCRS. THE 24 INCHES OF DRAINAGE SAND FOR THE LCRS, DOWN GRADIENT OF THE TEMPORARY CONTAINMENT BERM, WILL BE COVERED WITH A SACRIFICIAL 30 MIL HDPE GEOMEMBRANE TO PREVENT STORM WATER FROM ENTERING THE LCRS. A MIN. OF 6 INCHES OF SOIL WILL OVERLIE THE HDPE TO PREVENT WIND UPLIFT AND DAMAGE. THE STORM WATER RUN-OFF WILL BE ROUTED TO THE SEDIMENTATION POND. AS THE WORKING FACE ADVANCES, THE TEMPORARY BERM WILL BE REMOVED AND CONSTRUCTED FARTHER DOWN GRADIENT TO DEFINE THE NEW WORKING AREA. THE SACRIFICIAL HDPE WILL BE REMOVED FROM WITHIN THE NEW WORKING AREA OF THE CELL TO ALLOW LEACHATE TO ENTER THE LCRS.

- A 200FT. UNDISTURBED BUFFER TO PROPERTY LINES (50 FEET AT RAILROAD RIGHT-OF-WAY AND AT WETLAND BOUNDARIES) WILL BE MAINTAINED. NO COAL COMBUSTION RESIDUALS SHALL BE PLACED WITHIN THIS ZONE. UPON COMPLETION OF THE LANDSCAPE PLAN, THE BUFFERS SHALL REMAIN UNDISTURBED EXCEPT FOR DIRECT ACCESS CROSSINGS AND MONITORING WELLS WHERE INDICATED.

- REFERENCE THE GENERAL NOTES ON THIS DRAWING AND THE CONSTRUCTION QUALITY ASSURANCE PLAN (CQAP) IN CCR PERMIT APPLICATION PART A FOR COMPACTED EARTH FILL SPECIFICATIONS.

- COAL COMBUSTION RESIDUALS SHALL BE PLACED IN EACH PHASE TO FORM A STACKING CELL. INITIAL FILL OPERATIONS WILL CONSIST OF THE EXPEDITIOUS PLACEMENT, GRADING, AND COMPACTION OF CONDITIONED COAL COMBUSTION RESIDUALS TO THE GRADES AND ELEVATIONS SHOWN.

- CONDITIONING OF COAL COMBUSTION RESIDUALS WILL CONSIST OF ADJUSTING THE MOISTURE CONTENT TO WITHIN ±2% OF ITS OPTIMUM MOISTURE CONTENT PRIOR TO COMPACTION. IT SHALL BE PLACED IN NOMINAL 12 INCH LOOSE LIFTS AND COMPACTED WITH A MINIMUM 4 PASSES OF A CAT D5H-5S DOZER TO ACHIEVE A MINIMUM 90% MAXIMUM DRY DENSITY AS DETERMINED BY STANDARD PROCTOR, ASTM D698. DURING INITIAL FILLING, A MINIMUM OF 3 FIELD DENSITY TESTS SHALL BE PERFORMED ON THE INITIAL COMPACTED COAL COMBUSTION RESIDUALS LIFT TO VERIFY THE MINIMUM NUMBER OF EQUIPMENT PASSES REQUIRED TO ACHIEVE COMPACTION.

- THE SURFACE OF THE INITIAL COAL COMBUSTION RESIDUALS FILL SHALL BE GRADED AS SHOWN TO FACILITATE DRAINAGE.

- THE FILLING OPERATION WILL CONTINUE TO THE INDICATED GRADES AND ELEVATIONS. INCLUDING DRAINAGE DITCHES, EARTH FILL, DIVERSION BERMS AND TEMPORARY COVER. ALL DISTURBED AREAS WILL THEN BE GRASSED IN ACCORDANCE WITH THE VEGETATION SCHEDULE

- THE FILL OPERATION WILL CONTINUE WITH COAL COMBUSTION RESIDUALS BEING STACKED TO FINAL GRADES AS SHOWN.

- A MINIMUM OF 2' OF SOIL MEETING THE REQUIREMENTS FOR FINAL COVER SHALL BE PROVIDED AND MAINTAINED BETWEEN THE BOTTOM OF DITCHES AND ANY COAL COMBUSTION RESIDUALS FILL.

PARCELS "A" AND "B" - FINAL GRADING PLAN

- THE STACKING SEQUENCE AND FILL DIRECTION FOR PHASE 1 ARE INDICATED ON THE PLAN. THE PLACEMENT OF COAL COMBUSTION RESIDUALS FOR PARCEL "A" PHASE 1 SHALL PROCEED FROM THE NORTHWESTERN CORNER OF PARCEL "A" TO THE SOUTHEASTERN CORNER OF PARCEL "B".

- FILL SHALL BE PLACED ALONG A MAXIMUM 100 FT. WIDE WORKING BENCH RUNNING TRANSVERSE TO THE FILL DIRECTION OF THE CELL. THE WORKING FACE AND ACTIVE AREA WILL BE FURTHER DEFINED BY A CONTAINMENT BERM LOCATED DOWN GRADIENT FROM THE WORKING FACE. THIS CONTAINMENT BERM WILL SEPARATE THE ACTIVE AREA FROM THE AREA OF THE TEMPORARY COVER AND SACRIFICIAL HDPE PLACED OVER THE LCRS (DRAINAGE SAND).

- WATER FROM THE WORKING FACE AND ACTIVE AREA AS WELL AS THE WATER THAT MIGRATES THROUGH THE WASTE, ENTERS THE UNDERLYING LCRS WHERE IT WILL BE ROUTED TO THE LEACHATE POND.

- STORM WATER RUN-OFF FROM THE COVERED PORTION OF THE LCRS WILL BE ROUTED TO THE SEDIMENTATION BASIN THROUGH THE SPILLWAY AT THE SOUTH EASTERN COVER OF PARCEL B.

GRADING, SITE DEVELOPMENT & GENERAL NOTES

- FINAL SLOPES SHALL BE BETWEEN A MINIMUM 3% AND A MAXIMUM 3H:1V.

- REFERENCE SHEET 7 FOR THE FINAL COVER DETAILS.

- THE FINAL COVER CONSISTING OF A GEOMEMBRANE (HDPE), A GEOCOMPOSITE, 18 INCHES OF COVER SOIL AND A MIN. 6 INCHES OF TOPSOIL SHALL BE PLACED IN ACCORDANCE WITH THE CLOSURE PLAN AND THE CONSTRUCTION QUALITY ASSURANCE PLAN (CQAP) IN THE CCR PERMIT APPLICATION PART A.

- THE FINAL COVER SHALL BE GRASSED IN ACCORDANCE WITH THE VEGETATION SCHEDULE.

PARCELS "C" AND "D" SITE DEVELOPMENT AND INITIAL FILL OPERATION

THE DRAINAGE FOR PARCELS "C" AND "D" IS DESIGNED TO SEPARATELY COLLECT LEACHATE FROM THE LANDFILL, AND ITS WORKING FACE, AND SURFACE STORMWATER RUN-OFF FROM WITHIN THE LANDFILL. SINCE THE SITE WORK FOR PARCELS "C" AND "D" WILL BE DONE CONCURRENTLY, SEDIMENTATION BASIN 2 AND CLEAR POOL 2 WILL ACCOMMODATE THE SURFACE STORMWATER RUN-OFF FROM BOTH PARCELS. THE SEDIMENTATION BASIN AND CLEAR POOL ARE DESIGNED TO PASS THE 24-HOUR, 100-YEAR STORM EVENT WITH NO BASIN OVERFLOW. ADDITIONALLY, WATER FROM BOTH PARCELS WHICH MIGRATES THROUGH THE WASTE AND ENTERS THE LEACHATE COLLECTION AND REMOVAL SYSTEM WILL BE ROUTED TO A SEPARATE LEACHATE TANK SYSTEM. THIS TANK SYSTEM IS DESIGNED TO CONTAIN THE 24 HOUR, 100-YEAR STORM EVENT PLUS 10 DAYS OF LEACHATE STORAGE. AS NECESSARY, THE LEACHATE IS THEN PUMPED FROM THE TANK SYSTEM TO A WATER TRUCK TO BE RECIRCULATED AS ASH CONDITIONING WATER AND DUST CONTROL ONLY IN THE ACTIVE WORKING FACE OR RETURNED TO THE PLANT TO THE CO-TREATMENT POND.

THE COAL COMBUSTION RESIDUALS DISPOSAL FACILITY SHALL BE GRADED TO DRAIN AS SHOWN.

- EARTH FILL FOR THE SEDIMENTATION DIKE SHALL BE PLACED ON ORIGINAL GROUND.

- THE SEDIMENT BASIN AND CLEAR POOL WILL CONSIST OF A MINIMUM OF TWO FEET COMPACTED CLAYEY SOIL LINER WITH A MAXIMUM HYDRAULIC CONDUCTIVITY OF 1X10⁻⁵ CM/SEC, OVERLAIN WITH A MARKER BED COMPOSED OF 4 INCHES OF CRUSHER RUN TO FACILITATE CLEANOUT.

PARCEL "C" AND "D", INCLUDING THE INTERIOR SLOPES OF THE PERIMETER BERM, WILL BE LINED WITH A COMPOSITE LINER CONSISTING OF A MINIMUM TWO FEET COMPACTED CLAYEY SOIL LINER WITH A MAXIMUM HYDRAULIC CONDUCTIVITY OF 1X10⁻⁵ CM/SEC, NON-WOVEN GCL BOTTOM LINER, AND 60 MIL HDPE GEOMEMBRANE. THE GCL BOTTOM LINER MAY BE OMITTED IF A PERMEABILITY OF K < 1X10⁻⁷ CM/SEC CAN BE ACHIEVED FOR THE COMPACTED CLAY LAYER. A LEACHATE COLLECTION AND REMOVAL SYSTEM (LCRS) WILL OVERLIE THE COMPOSITE LINER. THIS WILL BE COMPRISED OF A DOUBLE SIDED GEOCOMPOSITE DRAINAGE LAYER UNDERLYING A MINIMUM TWO FEET SAND PRIMARY FILTER AND DRAINAGE LAYER WITH A MINIMUM HYDRAULIC CONDUCTIVITY OF 1 X 10⁻² CM/SEC. ON INTERIOR SLOPES OF THE PERIMETER DIKE, THE HDPE WILL BE COVERED WITH 24 INCHES OF COARSE SAND WITH A MINIMUM HYDRAULIC CONDUCTIVITY OF 1 X 10⁻² CM/SEC (SEE SHEET 28).

THE LEACHATE WILL BE STORED IN TWO TANKS WITH APPROXIMATELY 291,000 GALLON CAPACITY EACH. EACH TANK WILL BE APPROXIMATELY 42 FEET IN DIAMETER AND 29 FEET TALL. THE SECONDARY CONTAINMENT FOR THE TANKS CONSISTS OF CONCRETE CONSTRUCTION SURROUNDING THE TWO TANKS.

- DURING THE INITIAL FILL OPERATIONS (FOR THE INITIAL LIFT), THE LEACHATE GENERATED FROM THE ACTIVE WORKING FACE AND WORKING AREA WILL BE SEPARATED FROM STORM WATER RUN-OFF IN THE REMAINING AREA OF THE CELL BY A TEMPORARY CONTAINMENT BERM CONSTRUCTED NO FARTHER THAN 100 FT. DOWN-GRADIENT FROM THE TOE OF THE WORKING FACE. THIS TEMPORARY BERM WILL CONTAIN THE LEACHATE, INCLUDING CONTACT WATER, AND SEDIMENT TO WITHIN THE ACTIVE WORKING AREA OF THE CELL WHERE IT WILL ENTER THE LCRS. THE 24 INCHES OF DRAINAGE SAND FOR THE LCRS, DOWN GRADIENT OF THE TEMPORARY CONTAINMENT BERM, WILL BE COVERED WITH A SACRIFICIAL 30 MIL HDPE GEOMEMBRANE TO PREVENT STORM WATER FROM ENTERING THE LCRS. SAND BAGS WILL OVERLIE THE HDPE TO PREVENT WIND UPLIFT AND DAMAGE. THE STORM WATER RUN-OFF WILL BE ROUTED TO THE SEDIMENTATION POND. AS THE WORKING FACE ADVANCES, THE TEMPORARY BERM WILL BE REMOVED AND CONSTRUCTED FARTHER DOWN GRADIENT TO DEFINE THE NEW WORKING AREA. THE SACRIFICIAL HDPE WILL BE REMOVED FROM WITHIN THE NEW WORKING AREA OF THE CELL TO ALLOW LEACHATE TO ENTER THE LCRS.

- A 200FT. UNDISTURBED BUFFER TO PROPERTY LINES (50 FEET AT RAILROAD RIGHT-OF-WAY AND AT WETLAND BOUNDARIES) WILL BE MAINTAINED. NO COAL COMBUSTION RESIDUALS SHALL BE PLACED WITHIN THIS ZONE. UPON COMPLETION OF THE LANDSCAPE PLAN, THE BUFFERS SHALL REMAIN UNDISTURBED EXCEPT FOR DIRECT ACCESS CROSSINGS AND MONITORING WELLS WHERE INDICATED.

- REFERENCE THE GENERAL NOTES ON THIS DRAWING AND THE CONSTRUCTION QUALITY ASSURANCE PLAN (CQAP) FOR COMPACTED EARTH FILL SPECIFICATIONS.

- COAL COMBUSTION BY-PRODUCTS SHALL BE PLACED IN EACH PHASE TO FORM A STACKING CELL. INITIAL FILL OPERATIONS WILL CONSIST OF THE EXPEDITIOUS PLACEMENT, GRADING, AND COMPACTION OF CONDITIONED COAL COMBUSTION RESIDUALS TO THE GRADES AND ELEVATIONS SHOWN

- CONDITIONING OF COAL COMBUSTION RESIDUALS WILL CONSIST OF ADJUSTING THE MOISTURE CONTENT TO WITHIN ±2% OF ITS OPTIMUM MOISTURE CONTENT PRIOR TO COMPACTION. IT SHALL BE PLACED IN NOMINAL 12 INCH LOOSE LIFTS AND COMPACTED WITH A MINIMUM 4 PASSES OF A CAT D5H-5S DOZER TO ACHIEVE A MINIMUM 90% MAXIMUM DRY DENSITY AS DETERMINED BY STANDARD PROCTOR, ASTM D698. DURING INITIAL FILLING, A MINIMUM OF 3 FIELD DENSITY TESTS SHALL BE PERFORMED ON THE INITIAL COMPACTED COAL COMBUSTION RESIDUALS LIFT TO VERIFY THE MINIMUM NUMBER OF EQUIPMENT PASSES REQUIRED TO ACHIEVE COMPACTION.

- THE SURFACE OF THE INITIAL COAL COMBUSTION RESIDUALS FILL SHALL BE GRADED AS SHOWN TO FACILITATE DRAINAGE.

- THE FILLING OPERATION WILL CONTINUE TO THE INDICATED GRADES AND ELEVATIONS INCLUDING DRAINAGE DITCHES, EARTH FILL, DIVERSION BERMS AND TEMPORARY COVER. ALL DISTURBED AREAS WILL THEN BE GRASSED IN ACCORDANCE WITH THE VEGETATION SCHEDULE

- THE FILL OPERATION WILL CONTINUE WITH COAL COMBUSTION RESIDUALS BEING STACKED TO FINAL GRADES AS SHOWN.

- A MINIMUM OF 2' OF SOIL MEETING THE REQUIREMENTS FOR FINAL COVER SHALL BE PROVIDED AND MAINTAINED BETWEEN THE BOTTOM OF DITCHES AND ANY COAL COMBUSTION RESIDUALS FILL.

PARCELS "C" AND "D" - FINAL GRADING PLAN

- THE STACKING SEQUENCE AND FILL DIRECTION FOR PHASE 1 ARE INDICATED ON THE PLAN. THE PLACEMENT OF COAL COMBUSTION RESIDUALS FOR PARCEL "C" PHASE 1 SHALL PROCEED FROM THE NORTHEASTERN CORNER OF PARCEL "C" TO THE SOUTHWESTERN CORNER OF PARCEL "D".

- FILL SHALL BE PLACED ALONG A MAXIMUM 100 FEET WIDE WORKING BENCH RUNNING TRANSVERSE TO THE FILL DIRECTION OF THE CELL. THE WORKING FACE AND ACTIVE AREA WILL BE FURTHER DEFINED BY A CONTAINMENT BERM LOCATED DOWN GRADIENT FROM THE WORKING FACE. THIS CONTAINMENT BERM WILL SEPARATE THE ACTIVE AREA FROM THE AREA OF THE TEMPORARY COVER AND SACRIFICIAL HDPE PLACED OVER THE LCRS (DRAINAGE SAND).

- WATER FROM THE WORKING FACE AND ACTIVE AREA AS WELL AS THE WATER THAT MIGRATES THROUGH THE WASTE, ENTERS THE UNDERLYING LCRS WHERE IT WILL BE ROUTED TO THE LEACHATE TANK SYSTEM.

- STORMWATER RUN-OFF FROM THE COVERED PORTION OF THE LCRS WILL BE ROUTED TO THE SEDIMENTATION BASIN THROUGH THE SPILLWAY AT THE SOUTHWESTERN CORNER OF PARCEL "D"

- FINAL SLOPES SHALL BE BETWEEN A MINIMUM 3% AND A MAXIMUM 3H:1V.

- REFERENCE SHEET 28 FOR THE FINAL COVER DETAILS.

- THE FINAL COVER SHALL BE PLACED IN ACCORDANCE WITH THE CLOSURE PLAN AND THE CONSTRUCTION QUALITY ASSURANCE PLAN (CQAP).

- THE FINAL COVER SHALL BE GRASSED IN ACCORDANCE WITH THE VEGETATION SCHEDULE IN THE CCR PERMIT APPLICATION PART A.

PARCEL "E" SITE DEVELOPMENT AND INITIAL FILL OPERATION

THE DRAINAGE DESIGN FOR PARCEL "E" FACILITATES THE REMOVAL OF COAL COMBUSTION RESIDUALS, BY SEDIMENTATION, FROM SURFACE RUN-OFF FROM THE ACTIVE AREA OF THE SITE. SEDIMENTATION POND #3 WILL ACCOMMODATE THE DRAINAGE FROM PARCEL E. THE POND CONSISTS OF A MAIN SEDIMENT POND AND A CLEAR POOL, DESIGNED TO PASS THE 24 HOUR, 100 YEAR STORM EVENT WITH NO BASIN OVERFLOW.

THE COAL COMBUSTION RESIDUALS DISPOSAL FACILITY SHALL BE GRADED TO DRAIN AS SHOWN.

- EARTH FILL FOR THE SEDIMENTATION DIKE SHALL BE PLACED ON ORIGINAL GROUND.

- THE SEDIMENT BASIN AND POOL WILL CONSIST OF A MINIMUM OF 2 FEET COMPACTED CLAY LINER OVERLAIN WITH A MARKER BED COMPOSED OF 4" OF CRUSHER RUN GRAVEL TO FACILITATE CLEANOUT. THE LINER SHALL HAVE A HYDRAULIC CONDUCTIVITY OF 1 X 10⁻² CM/SEC OR LESS.

- A 200FT. UNDISTURBED BUFFER TO PROPERTY LINES (50 FEET AT RAILROAD RIGHT-OF-WAY AND AT WETLAND BOUNDARIES) WILL BE MAINTAINED. NO COAL COMBUSTION RESIDUALS SHALL BE PLACED WITHIN THIS ZONE. UPON COMPLETION OF THE LANDSCAPE PLAN, THE BUFFERS SHALL REMAIN UNDISTURBED EXCEPT FOR DIRECT ACCESS CROSSINGS AND MONITORING WELLS WHERE INDICATED.

- REFERENCE THE GENERAL NOTES ON THIS DRAWING AND THE CONSTRUCTION QUALITY ASSURANCE PLAN (CQAP), FOR COMPACTED EARTH FILL SPECIFICATIONS. THE CQC/QA PLAN WILL BE PREPARED UPON COMPLETION OF A BORROW INVESTIGATION FOR FINAL COVER AND EARTH FILL MATERIAL.

- COAL COMBUSTION BY-PRODUCTS SHALL BE PLACED IN EACH PHASE TO FORM A STACKING CELL. INITIAL FILL OPERATIONS WILL CONSIST OF THE EXPEDITIOUS PLACEMENT, GRADING, AND COMPACTION OF CONDITIONED COAL COMBUSTION RESIDUALS TO THE GRADES AND ELEVATIONS SHOWN FOR PARCEL "E", PHASE I.

- CONDITIONING OF COAL COMBUSTION RESIDUALS WILL CONSIST OF ADJUSTING THE MOISTURE CONTENT TO WITHIN ±2% OF ITS OPTIMUM MOISTURE CONTENT PRIOR TO COMPACTION. IT SHALL BE PLACED IN NOMINAL 12 INCH LOOSE LIFTS AND COMPACTED WITH A MINIMUM 4 PASSES OF A CAT D5H-5S DOZER TO ACHIEVE A MINIMUM 90% MAXIMUM DRY DENSITY AS DETERMINED BY STANDARD PROCTOR, ASTM D698. DURING INITIAL FILLING, A MINIMUM OF 3 FIELD DENSITY TESTS SHALL BE PERFORMED ON THE INITIAL COMPACTED COAL COMBUSTION RESIDUALS LIFT TO VERIFY THE MINIMUM NUMBER OF EQUIPMENT PASSES REQUIRED TO ACHIEVE COMPACTION.

- THE SURFACE OF THE INITIAL COAL COMBUSTION RESIDUALS FILL SHALL BE GRADED AS SHOWN TO FACILITATE DRAINAGE.

- THE FILLING OPERATION WILL CONTINUE TO THE INDICATED GRADES AND ELEVATIONS FOR PARCEL "E", PHASE I, INCLUDING DRAINAGE DITCHES, EARTH FILL, DIVERSION BERMS AND TEMPORARY COVER. ALL DISTURBED AREAS WILL THEN BE GRASSED IN ACCORDANCE WITH THE VEGETATION SCHEDULE

- THE FILL OPERATION WILL CONTINUE FOR PHASES 2 THROUGH 5, WITH COAL COMBUSTION RESIDUALS BEING STACKED TO FINAL GRADES AS SHOWN FOR PARCEL "E".

- A MINIMUM OF 2' OF SOIL MEETING THE REQUIREMENTS FOR FINAL COVER SHALL BE PROVIDED AND MAINTAINED BETWEEN THE BOTTOM OF DITCHES AND ANY COAL COMBUSTION RESIDUALS FILL.

PARCEL "E" - FINAL GRADING PLAN

- THE STACKING SEQUENCE AND FILL DIRECTION FOR PHASE 1 ARE INDICATED ON THE PLAN. THE PLACEMENT OF COAL COMBUSTION RESIDUALS FOR PARCEL "E" PHASE 1 SHALL PROCEED FROM THE NORTHERN SIDE OF PARCEL "E" TO THE SOUTHERN SIDE.

- FILL SHALL BE PLACED ALONG A MAXIMUM 100 FT. WIDE WORKING BENCH RUNNING TRANSVERSE TO THE FILL DIRECTION OF THE CELL.

REFERENCES:

- MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, LATEST EDITION.
- FOR A COMPLETE DRAWING LIST SEE SHEET 1.

- DRAINAGE FROM THE WORKING FACE AND ACTIVE AREA OF THE FIRST CELL IN PARCEL "E" DRAINS TO AN OUTLET CHANNEL WHICH DIRECTS RUN-OFF INTO SEDIMENTATION POND #3.



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- THE BOTTOM OF THE WASTE STACKING AREA IS SMOOTHLY GRADED TO DRAIN FROM THE WORKING FACE TOWARD THE DRAINAGE EXIT CHANNEL. A LINE OF SILT FENCES AND/OR HAY BALES SHALL BE PLACED AT 100 FT. INTERVALS PARALLEL TO THE WORKING FACE AHEAD OF THE COAL COMBUSTION RESIDUALS FILL OPERATION IN EACH PARCEL TO FACILITATE SEDIMENT RETENTION.

- FINAL SLOPES SHALL BE BETWEEN A MINIMUM 3 % AND A MAXIMUM 3H:1V.

- REFERENCE SHEET 44 FOR THE FINAL COVER DETAIL.

- THE FINAL COVER SHALL BE PLACED IN ACCORDANCE WITH THE CLOSURE PLAN AND THE CONSTRUCTION QUALITY ASSURANCE PLAN (CQAP).

- THE FINAL COVER SHALL BE GRASSED IN ACCORDANCE WITH THE VEGETATION SCHEDULE IN THE CCR PERMIT APPLICATION PART A.

PARCELS "F" - SITE DEVELOPMENT AND INITIAL FILL OPERATION

THE DRAINAGE FOR PARCEL F IS DESIGNED TO SEPARATELY COLLECT LEACHATE FROM THE LANDFILL, AND ITS WORKING FACE, AND SURFACE STORMWATER RUN-OFF FROM WITHIN THE LANDFILL. THE SITE WORK FOR STAGE 1 WILL BE PERFORMED SEPARATELY FROM THAT FOR FOR STAGE 2. SEDIMENT BASIN 4 AND CLEAR POOL 4 WILL ACCOMODATE THE SURFACE STORMWATER RUN-OFF FROM STAGE 1 AND SEDIMENT BASIN 5 AND CLEAR POOL 5 WILL ACCOMMODATE THE SURFACE STORMWATER RUN-OFF FROM STAGE 2. THE SEDIMENT BASINS AND CLEAR POOLS ARE DESIGNED TO PASS THE 24-HOUR, 100-YEAR STORM EVENT WITH NO BASIN OVERFLOW. ADDITIONALLY, WATER FROM BOTH STAGES WHICH MIGRATES THROUGH THE WASTE AND ENTERS THE LEACHATE COLLECTION AND REMOVAL SYSTEM WILL BE ROUTED TO A SEPARATE LEACHATE TANK SYSTEM. THIS TANK SYSTEM IS DESIGNED TO CONTAIN THE 24 HOUR, 100-YEAR STORM EVENT PLUS 7-10 DAYS OF LEACHATE STORAGE. AS NECESSARY, THE LEACHATE IS THEN PUMPED FROM THE TANK SYSTEM TO A WATER TRUCK TO BE RECIRCULATED AS CONDITIONING WATER AND DUST CONTROL ONLY IN THE ACTIVE WORKING FACE OR RETURNED TO THE PLANT TO THE CO-TREATMENT POND.

THE COAL COMBUSTION RESIDUALS DISPOSAL FACILITY SHALL BE GRADED TO DRAIN AS SHOWN.

- EARTH FILL FOR THE SEDIMENT BASIN DIKE SHALL BE PLACED ON ORIGINAL GROUND.

- THE SEDIMENT BASINS AND CLEAR POOLS WILL CONSIST OF A MINIMUM OF TWO FEET COMPACTED CLAYEY SOIL WITH A MAXIMUM HYDRAULIC CONDUCTIVITY OF 1X10^{-5/} CM/SEC, OVERLAIN WITH A MARKER BED COMPOSED OF 4 INCHES OF CRUSHER RUN TO FACILITATE CLEANOUT.

PARCEL F, INCLUDING THE INTERIOR SLOPES OF THE PERIMETER BERM, WILL BE LINED WITH A COMPOSITE LINER CONSISTING OF A MINIMUM TWO FEET COMPACTED CLAYEY SOIL LINER WITH A MAXIMUM HYDRAULIC CONDUCTIVITY OF 1X10^{-5/} CM/SEC, NON-WOVEN GCL BOTTOM LINER, AND 60 MIL HDPE GEOMEMBRANE. THE GCL BOTTOM LINER MAY BE OMITTED IF A PERMEABILITY OF K < 1X10⁻⁷ CM/SEC CAN BE ACHIEVED FOR THE COMPACTED CLAY LAYER. A LEACHATE COLLECTION AND REMOVAL SYSTEM (LCRS) WILL OVERLIE THE COMPOSITE LINER. THIS WILL BE COMPRISED OF A DOUBLE SIDED GEOCOMPOSITE DRAINAGE LAYER UNDERLYING A MINIMUM TWO FEET SAND PRIMARY FILTER AND DRAINAGE LAYER WITH A MINIMUM HYDRAULIC CONDUCTIVITY OF 1 X 10^{-2 /} CM/SEC. ON INTERIOR SLOPES OF THE PERIMETER DIKE, THE HDPE WILL BE COVERED WITH 24 INCHES OF COARSE SAND WITH A MINIMUM HYDRAULIC CONDUCTIVITY OF 1 X 10^{-2 /} CM/SEC.

THE LEACHATE WILL BE STORED IN TWO TANKS WITH APPROXIMATELY 480,000 GALLON CAPACITY EACH. EACH TANK WILL BE APPROXIMATELY 48 FEET IN DIAMETER AND 36 FEET TALL. THE SECONDARY CONTAINMENT FOR THE TANKS CONSISTS OF CONCRETE CONSTRUCTION SURROUNDING THE TWO TANKS.

- DURING THE INITIAL FILL OPERATIONS (FOR THE INITIAL LIFT), THE LEACHATE GENERATED FROM THE ACTIVE WORKING FACE AND WORKING AREA WILL BE SEPARATED FROM STORM WATER RUN-OFF IN THE REMAINING AREA OF THE CELL BY A TEMPORARY CONTAINMENT BERM CONSTRUCTED NO FARTHER THAN 100 FT. DOWN-GRADIENT FROM THE TOE OF THE WORKING FACE. THIS TEMPORARY BERM WILL CONTAIN THE LEACHATE, INCLUDING CONTACT WATER, AND SEDIMENT TO WITHIN THE ACTIVE WORKING AREA OF THE CELL WHERE IT WILL ENTER THE LCRS. THE 24 INCHES OF DRAINAGE SAND FOR THE LCRS, DOWN GRADIENT OF THE TEMPORARY CONTAINMENT BERM, WILL BE COVERED WITH A SACRIFICIAL 30 MIL HDPE GEOMEMBRANE TO PREVENT STORM WATER FROM ENTERING THE LCRS. SAND BAGS WILL OVERLIE THE HDPE TO PREVENT WIND UPLIFT AND DAMAGE. THE STORM WATER RUN-OFF WILL BE ROUTED TO THE SEDIMENT PONDS. AS THE WORKING FACE ADVANCES, THE TEMPORARY BERM WILL BE REMOVED AND CONSTRUCTED FARTHER DOWN GRADIENT TO DEFINE THE NEW WORKING AREA. THE SACRIFICIAL HDPE WILL BE REMOVED FROM WITHIN THE NEW WORKING AREA OF THE CELL TO ALLOW LEACHATE TO ENTER THE LCRS.

- A 200FT. UNDISTURBED BUFFER TO PROPERTY LINES (50 FEET AT RAILROAD RIGHT-OF-WAY AND AT WETLAND BOUNDARIES) WILL BE MAINTAINED. NO COAL COMBUSTION BY-PRODUCTS SHALL BE PLACED WITHIN THIS ZONE. THE BUFFERS SHALL REMAIN UNDISTURBED EXCEPT FOR DIRECT ACCESS CROSSINGS AND MONITORING WELLS WHERE INDICATED.

- REFERENCE THE GENERAL NOTES ON THIS DRAWING AND THE CONSTRUCTION QUALITY ASSURANCE PLAN (CQAP) FOR COMPACTED EARTH FILL SPECIFICATIONS.

- COAL COMBUSTION RESIDUALS SHALL BE PLACED IN EACH PHASE TO FORM A STACKING CELL. INITIAL FILL OPERATIONS WILL CONSIST OF THE EXPEDITIOUS PLACEMENT, GRADING, AND COMPACTION OF CONDITIONED COAL COMBUSTION RESIDUALS TO THE GRADES AND ELEVATIONS SHOWN.

- CONDITIONING OF COAL COMBUSTION RESIDUALS WILL CONSIST OF ADJUSTING THE MOISTURE CONTENT TO WITHIN ±2% OF ITS OPTIMUM MOISTURE CONTENT PRIOR TO COMPACTION. IT SHALL BE PLACED IN NOMINAL 12 INCH LOOSE LIFTS AND COMPACTED WITH A MINIMUM 4 PASSES OF A CAT D5H-5S DOZER TO ACHIEVE A MINIMUM 90% MAXIMUM DRY DENSITY AS DETERMINED BY STANDARD PROCTOR, ASTM D698. DURING INITIAL FILLING, A MINIMUM OF 3 FIELD DENSITY TESTS SHALL BE PERFORMED ON THE INITIAL COMPACTED COAL COMBUSTION RESIDUALS LIFT TO VERIFY THE MINIMUM NUMBER OF EQUIPMENT PASSES REQUIRED TO ACHIEVE COMPACTION.

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- THE FILL OPERATION WILL CONTINUE WITH COAL COMBUSTION RESIDUALS BEING STACKED TO FINAL GRADES AS SHOWN.

- A MINIMUM OF 2' OF SOIL MEETING THE REQUIREMENTS FOR FINAL COVER SHALL BE PROVIDED AND MAINTAINED BETWEEN THE BOTTOM OF DITCHES AND ANY COAL COMBUSTION RESIDUALS FILL.

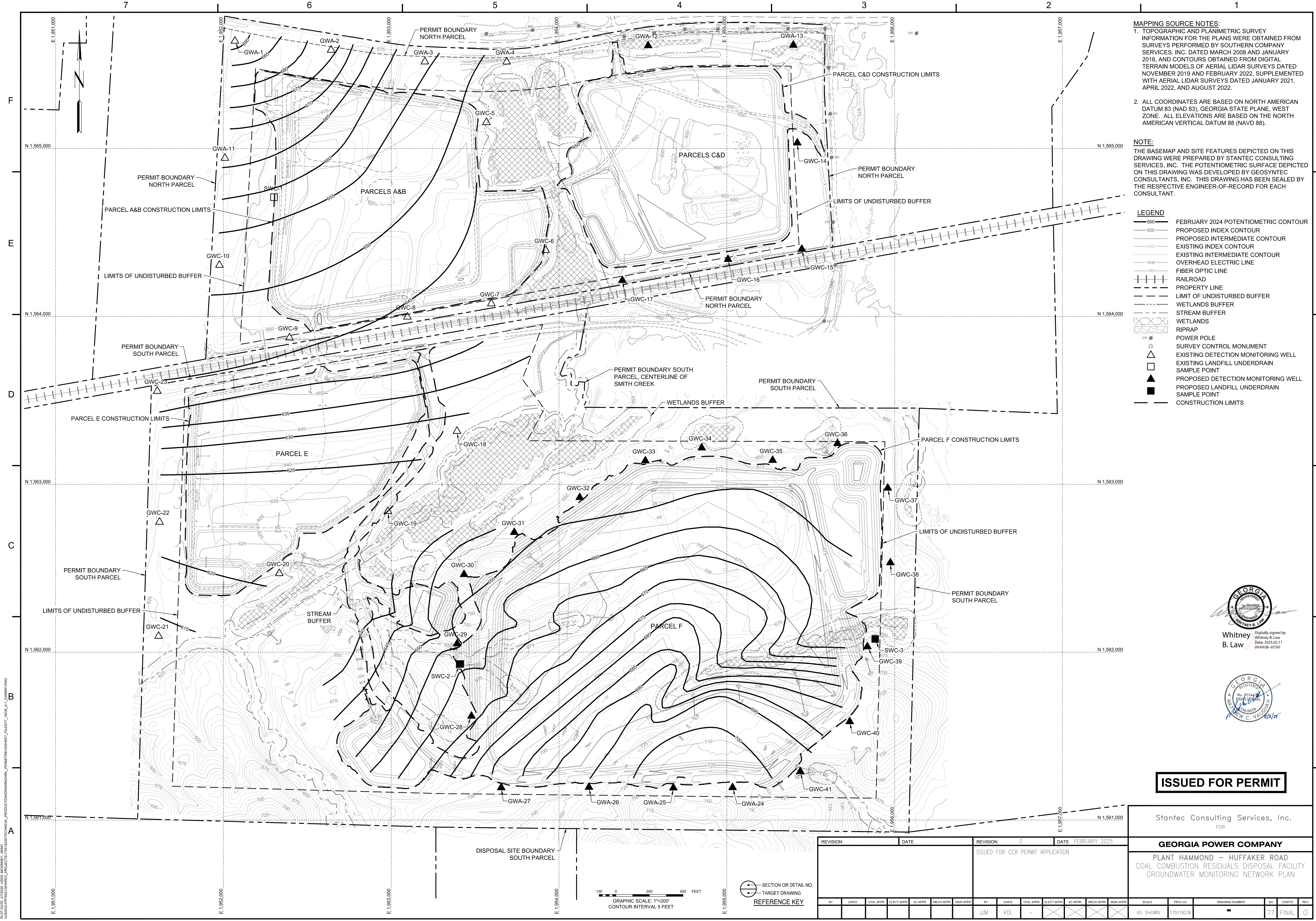
Stantec Consulting Services, Inc.

FOR

GEORGIA POWER COMPANY

PLANT HAMMOND — HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
GRADING, SITE DEVELOPMENT AND
GENERAL NOTES

SCALE	PROJ. I.D.	DRAWING NUMBER	SH	CONTO	REV
AS SHOWN	175518236	-	74	FINAL	0



MAPPING SOURCE NOTES:

1. TOPOGRAPHIC AND PLANIMETRIC SURVEY INFORMATION FOR THE PLANS WERE OBTAINED FROM SURVEYS PERFORMED BY SOUTHERN COMPANY SERVICES, INC. DATED MARCH 2006 AND JANUARY 2016, AND CONTOURS OBTAINED FROM DIGITAL TERRAIN MODELS OF AERIAL LIDAR SURVEYS DATED NOVEMBER 2019 AND FEBRUARY 2022, SUPPLEMENTED WITH AERIAL LIDAR SURVEYS DATED JANUARY 2021, APRIL 2022, AND AUGUST 2022.

2. ALL COORDINATES ARE BASED ON NORTH AMERICAN DATUM 83 (NAD 83), GEORGIA STATE PLANE, WEST ZONE. ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88).

NOTE:

THE BASEMAP AND SITE FEATURES DEPICTED ON THIS DRAWING WERE PREPARED BY STANTEC CONSULTING SERVICES, INC. THE POTENTIOMETRIC SURFACE DEPICTED ON THIS DRAWING WAS DEVELOPED BY GEOSYNTEC CONSULTANTS, INC. THIS DRAWING HAS BEEN SEALED BY THE RESPECTIVE ENGINEER-OF-RECORD FOR EACH CONSULTANT.

- LEGEND**
- 500 FEBRUARY 2024 POTENTIOMETRIC CONTOUR
 - 500 PROPOSED INDEX CONTOUR
 - 500 PROPOSED INTERMEDIATE CONTOUR
 - 500 EXISTING INDEX CONTOUR
 - OHE EXISTING INTERMEDIATE CONTOUR
 - FO OVERHEAD ELECTRIC LINE
 - FO FIBER OPTIC LINE
 - RAILROAD RAILROAD
 - PROPERTY LINE PROPERTY LINE
 - LIMIT OF UNDISTURBED BUFFER LIMIT OF UNDISTURBED BUFFER
 - WETLANDS BUFFER WETLANDS BUFFER
 - STREAM BUFFER STREAM BUFFER
 - WETLANDS WETLANDS
 - RIPRAP RIPRAP
 - PP POWER POLE
 - SCM SURVEY CONTROL MONUMENT
 - EDMW EXISTING DETECTION MONITORING WELL
 - ELU EXISTING LANDFILL UNDERDRAIN
 - SP SAMPLE POINT
 - PDMW PROPOSED DETECTION MONITORING WELL
 - PLU PROPOSED LANDFILL UNDERDRAIN
 - SP SAMPLE POINT
 - CL CONSTRUCTION LIMITS

Whitney B. Law

Digitally signed by Whitney B. Law
Date: 2025.02.11 09:49:08 -05'00'

NEW C. VAUGHAN

No. PE0444
Professional Engineer
2/1/25

ISSUED FOR PERMIT

Stantec Consulting Services, Inc. FOR			
GEORGIA POWER COMPANY			
PLANT HAMMOND – HUFFAKER ROAD COAL COMBUSTION RESIDUALS DISPOSAL FACILITY GROUNDWATER MONITORING NETWORK PLAN			
SCALE	PROJ. ID.	DRAWING NUMBER	REV.
AS SHOWN	175518236	77	FINAL

REVISION	DATE	REVISION	DATE
		0	FEBRUARY 2025
ISSUED FOR CCR PERMIT APPLICATION			
BY	CHKD	CIVL APPR	ELECT APPR
JJM	KDL	-	-

GRAPHIC SCALE: 1"=200'
CONTOUR INTERVAL 5 FEET

SECTION OR DETAIL NO.
TARGET DRAWING
REFERENCE KEY

\\SS022-PP-5831\SHARED_PROJECTS\175518236\TECHNICAL_PRODUCTION\DRAWINGS\HRL_PERMITS\WORKSHEET_FILES\17_175518236.dwg

PLT DATE: 2/22/25 USER: JMW/NEV JAW
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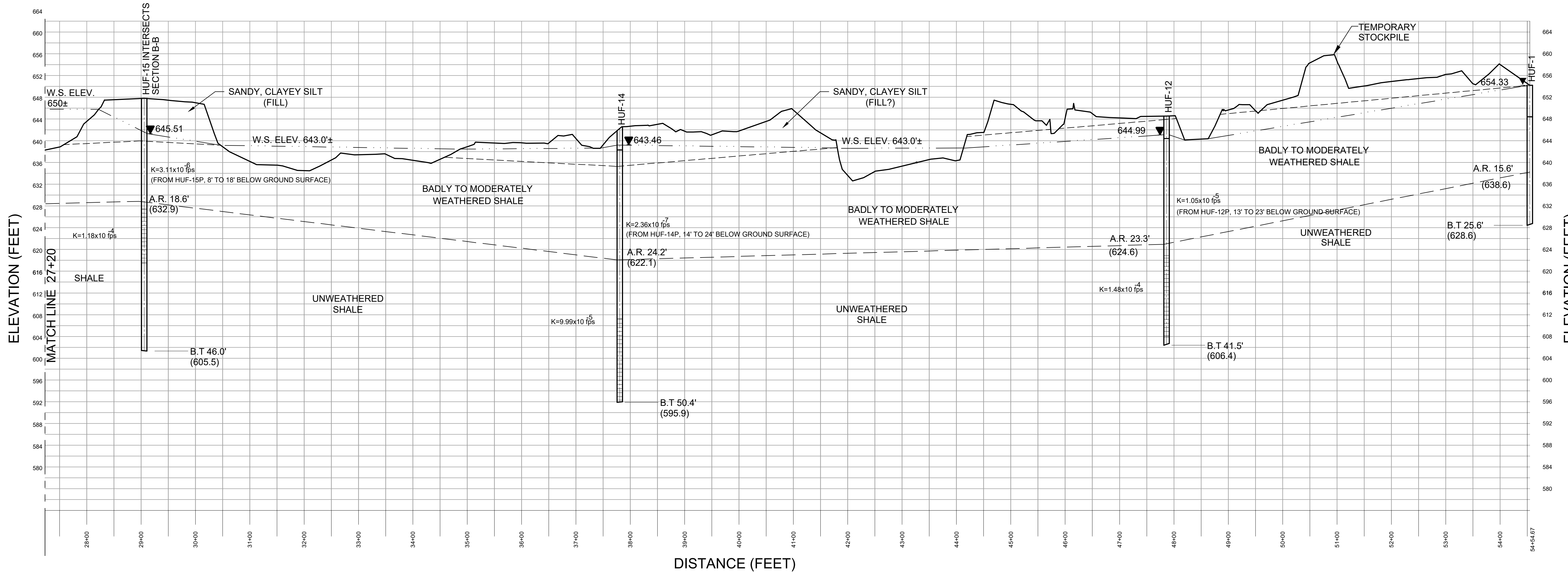
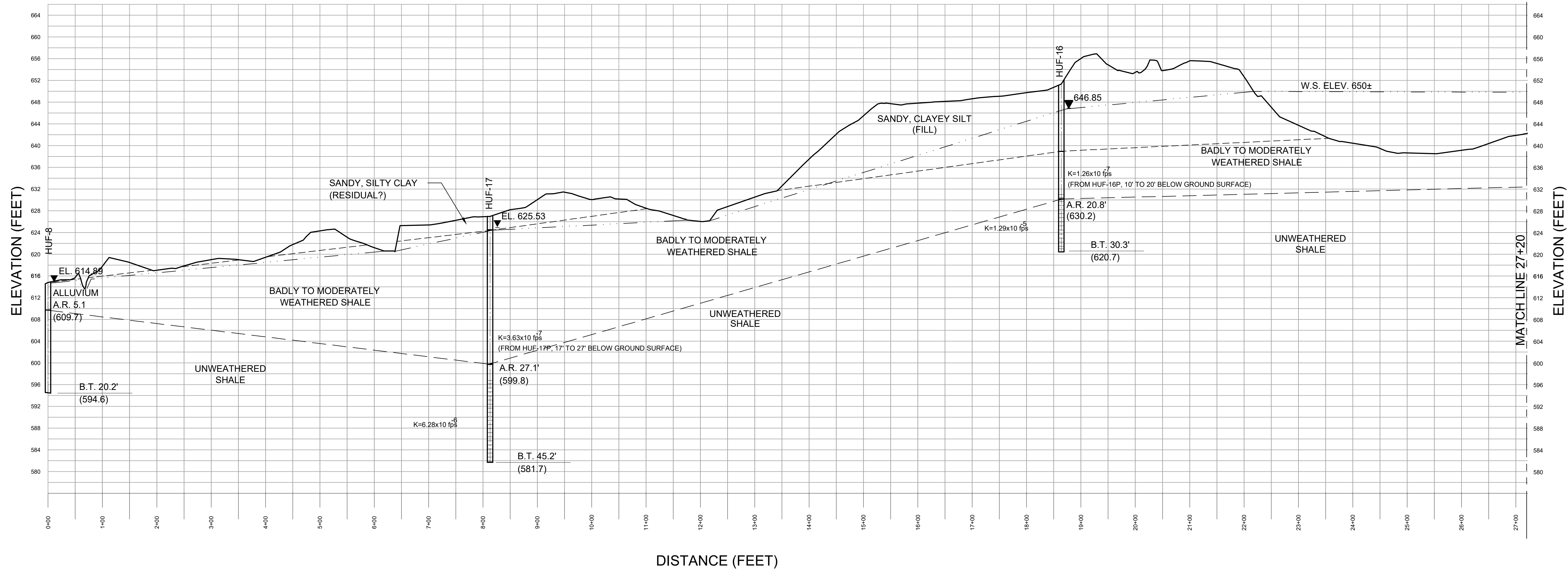
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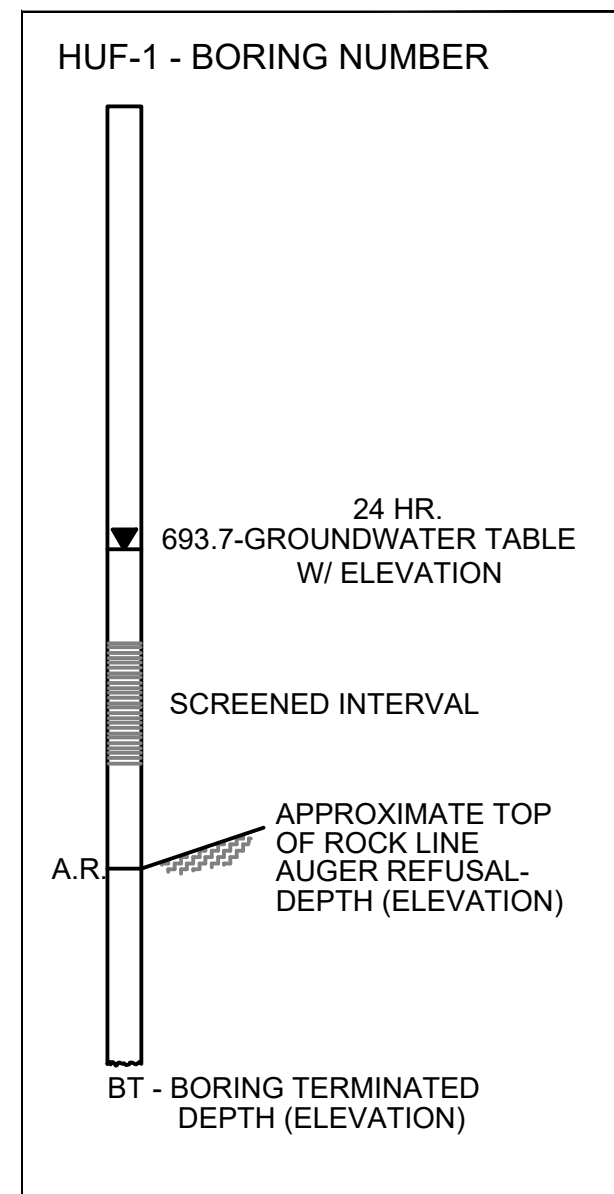
SECTION A-A'

1"=100' (HORIZONTAL)
1"=10' (VERTICAL)



KEY PLAN - SECTIONS
N.T.S.

LEGEND



NOTES:

- THIS DRAWING WAS PREPARED FOR THE "HUFFAKER ROAD SITE ACCEPTABILITY REPORT, COAL COMBUSTION RESIDUALS STORAGE SITE, PLANT HAMMOND UNITS 1-4."
- INTERPRETATIONS OF OVERBURDEN, RESIDUAL SOILS, ROCK TYPES, ROCK CHARACTERISTICS AND DEGREE OF WEATHERING ARE TRUE ONLY AT THE BORING LOCATION. PROFESSIONAL JUDGEMENT HAS BEEN USED TO EVALUATE THE DATA COLLECTED. ANY INTERPOLATION OF CONDITIONS BETWEEN BORINGS IS CONJECTURE AND THE ACCURACY OF SUCH INTERPOLATION IS NOT GUARANTEED. THE LINES DESIGNATING THE INTERFACES BETWEEN VARIOUS STRATA ARE APPROXIMATE ONLY, AS TRANSITIONS BETWEEN MATERIALS MAY BE GRADUAL. GROUND WATER LEVELS FLUCTUATE SEASONALLY AND WITH CLIMATIC CONDITIONS, THEREFORE, GROUND WATER CONDITIONS ENCOUNTERED AT OTHER TIMES MAY VARY FROM THOSE SHOWN.
- GROUNDWATER ELEVATIONS MEASURED JAN. 28, 2002.
- HYDRAULIC CONDUCTIVITY VALUES (K) WERE OBTAINED FROM SLUG TESTING.

REFERENCE DRAWINGS

GPC LAND DEPARTMENT MAP FILE NO. H-628-10 ASH MONOFILL SITE
GPC LAND DEPARTMENT MAP FILE NO. H-628-11 SITE TOPOGRAPHIC MAP
FOR COMPLETE DRAWING REFERENCES SEE SHEET 1



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Stantec Consulting Services, Inc.
FOR

GEORGIA POWER COMPANY

PLANT HAMMOND — HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
GEOLOGICAL CROSS-SECTION A-A'

REVISION		DATE	REVISION		DATE
			0		FEBRUARY 2025
			ISSUED FOR CCR PERMIT APPLICATION		
BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR
BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR
JJM	KDL	-	X	X	X
SCALE	PROJ. I.D.	DRAWING NUMBER	SH	CONTD.	REV
AS SHOWN	175518236	-	78	FINAL	0

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PLOT DATE: 2/22/25 USER: MCHWITTE PROJECT: 175518236 TECHNICAL_PRODUCTION\DRAWINGS\REL_PERMITS\HUFFAKER\FILES\9_16236_1H1B2_GNSC.DWG

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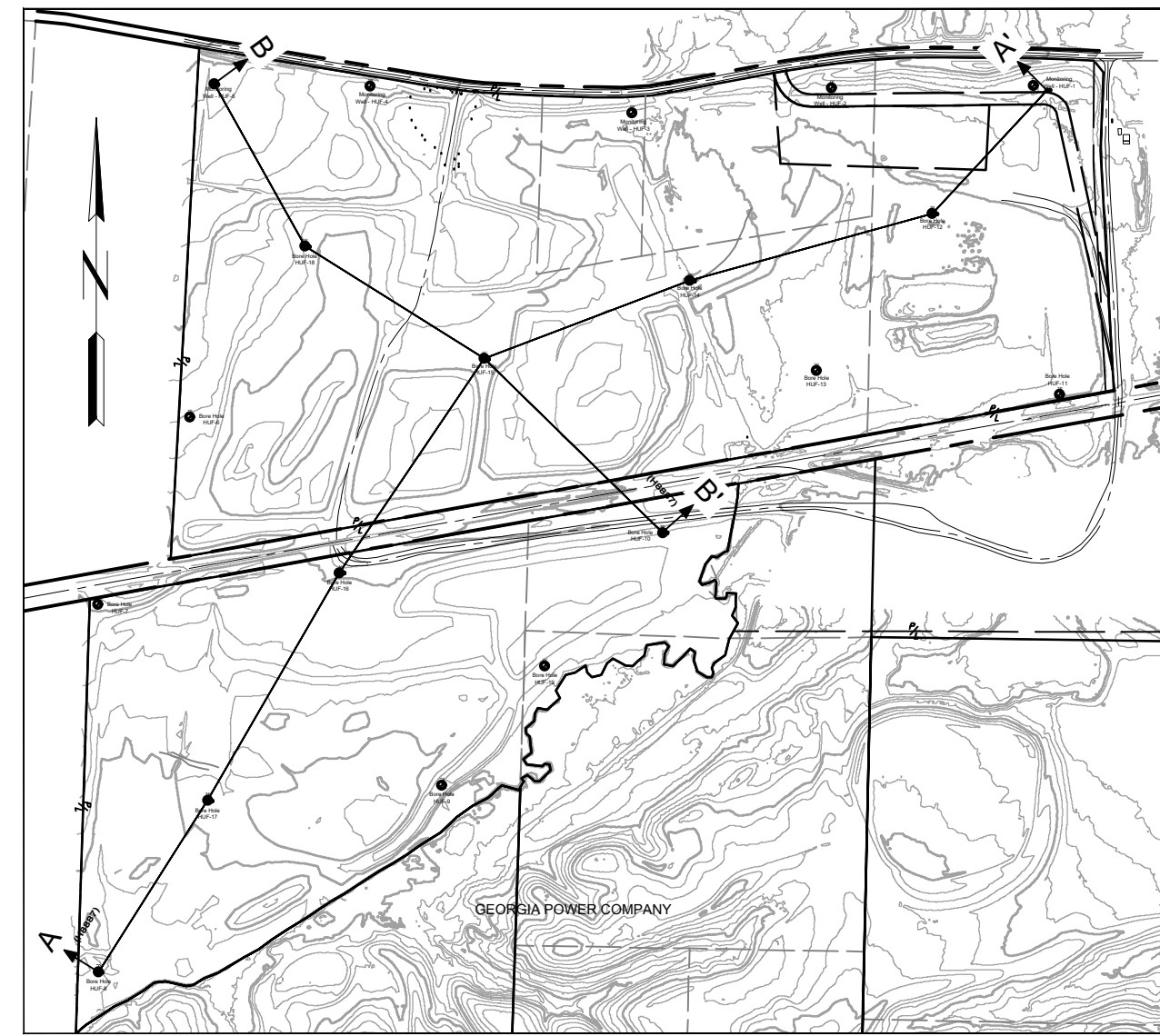
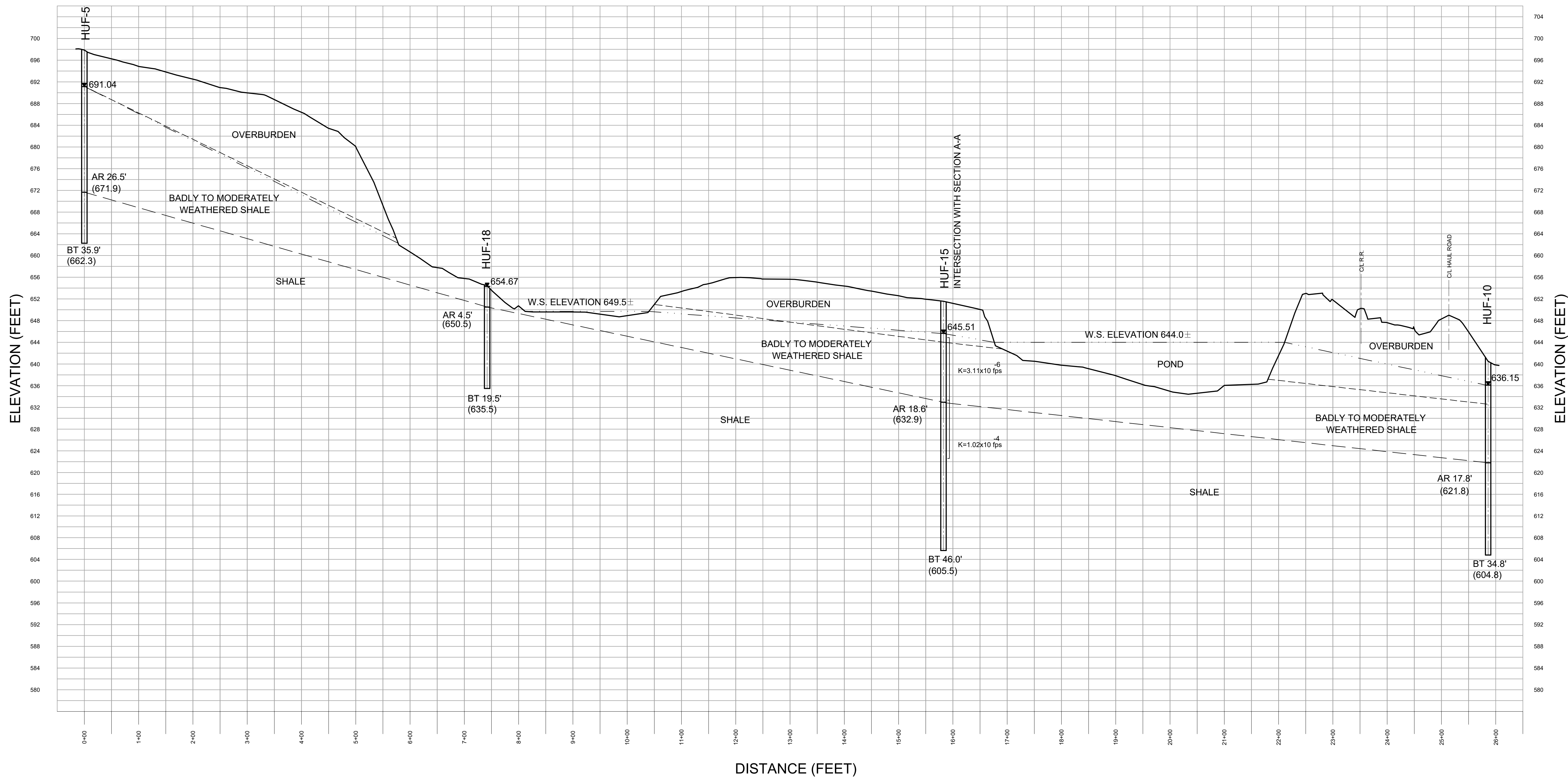
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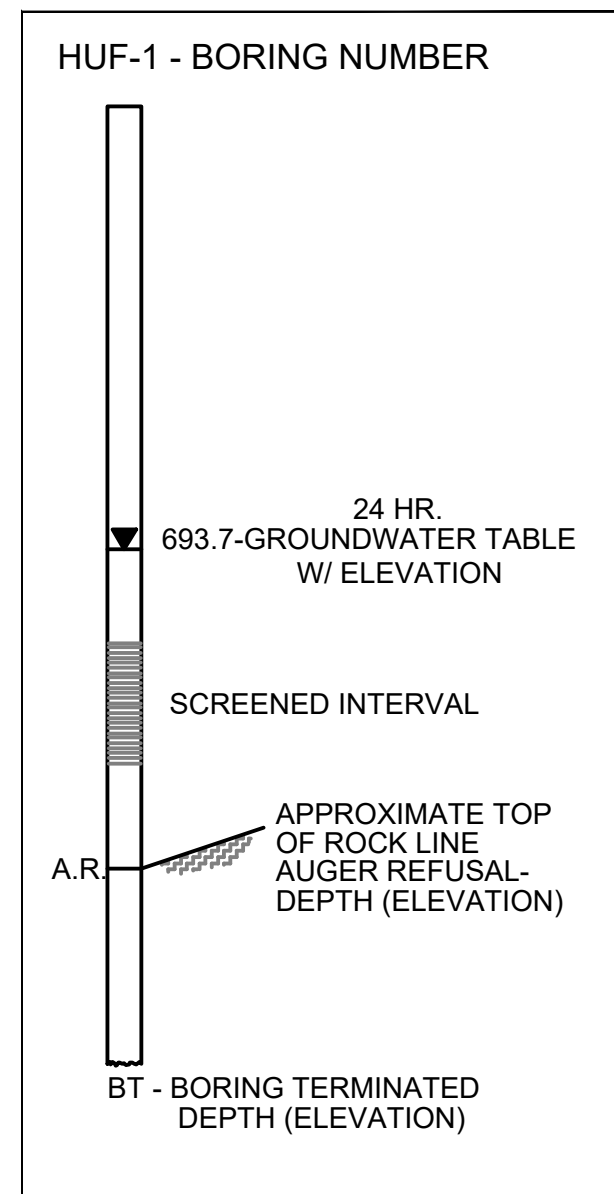
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LEGEND



- NOTES:
- THIS DRAWING WAS PREPARED FOR THE "HUFFAKER ROAD SITE ACCEPTABILITY REPORT, COAL COMBUSTION RESIDUALS STORAGE SITE, PLANT HAMMOND UNITS 1-4."
 - INTERPRETATIONS OF OVERBURDEN, RESIDUAL SOILS, ROCK TYPES, ROCK CHARACTERISTICS AND DEGREE OF WEATHERING ARE TRUE ONLY AT THE BORING LOCATION. PROFESSIONAL JUDGEMENT HAS BEEN USED TO EVALUATE THE DATA COLLECTED. ANY INTERPOLATION OF CONDITIONS BETWEEN BORINGS IS CONJECTURE AND THE ACCURACY OF SUCH INTERPOLATION IS NOT GUARANTEED. THE LINES DESIGNATING THE INTERFACES BETWEEN VARIOUS STRATA ARE APPROXIMATE ONLY, AS TRANSITIONS BETWEEN MATERIALS MAY BE GRADUAL. GROUND WATER LEVELS FLUCTUATE SEASONALLY AND WITH CLIMATIC CONDITIONS. THEREFORE, GROUND WATER CONDITIONS ENCOUNTERED AT OTHER TIMES MAY VARY FROM THOSE SHOWN.
 - GROUNDWATER ELEVATIONS MEASURED JAN. 28, 2002.
 - HYDRAULIC CONDUCTIVITY VALUES (K) WERE OBTAINED FROM SLUG TESTING.

REFERENCE DRAWINGS

GPC LAND DEPARTMENT MAP FILE NO. H-628-10 ASH MONOFILL SITE
GPC LAND DEPARTMENT MAP FILE NO. H-628-11 SITE TOPOGRAPHIC MAP

FOR COMPLETE DRAWING REFERENCES SHEET 1



ISSUED FOR PERMIT

Stantec Consulting Services, Inc.
FOR

GEORGIA POWER COMPANY

PLANT HAMMOND — HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
GEOLOGICAL CROSS-SECTION B-B'

REVISION		DATE		REVISION		DATE		GEORGIA POWER COMPANY											
				ISSUED FOR CCR PERMIT APPLICATION				PLANT HAMMOND – HUFFAKER ROAD COAL COMBUSTION RESIDUALS DISPOSAL FACILITY GEOLOGICAL CROSS-SECTION 'B-B'											
BY	CHKD	CIVL APPR	ELECT APPR	IC APPR	MECH APPR	MGR APPR	BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR	MGR APPR	SCALE	PROJ. I.D.	DRAWING NUMBER	SH	CONTD.	REV
							JJM	KDL	–					AS SHOWN	175518236		79	FINAL	0

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PLOT DATE: 2/2/2025 USER: MCHANEY, JMM
175518236

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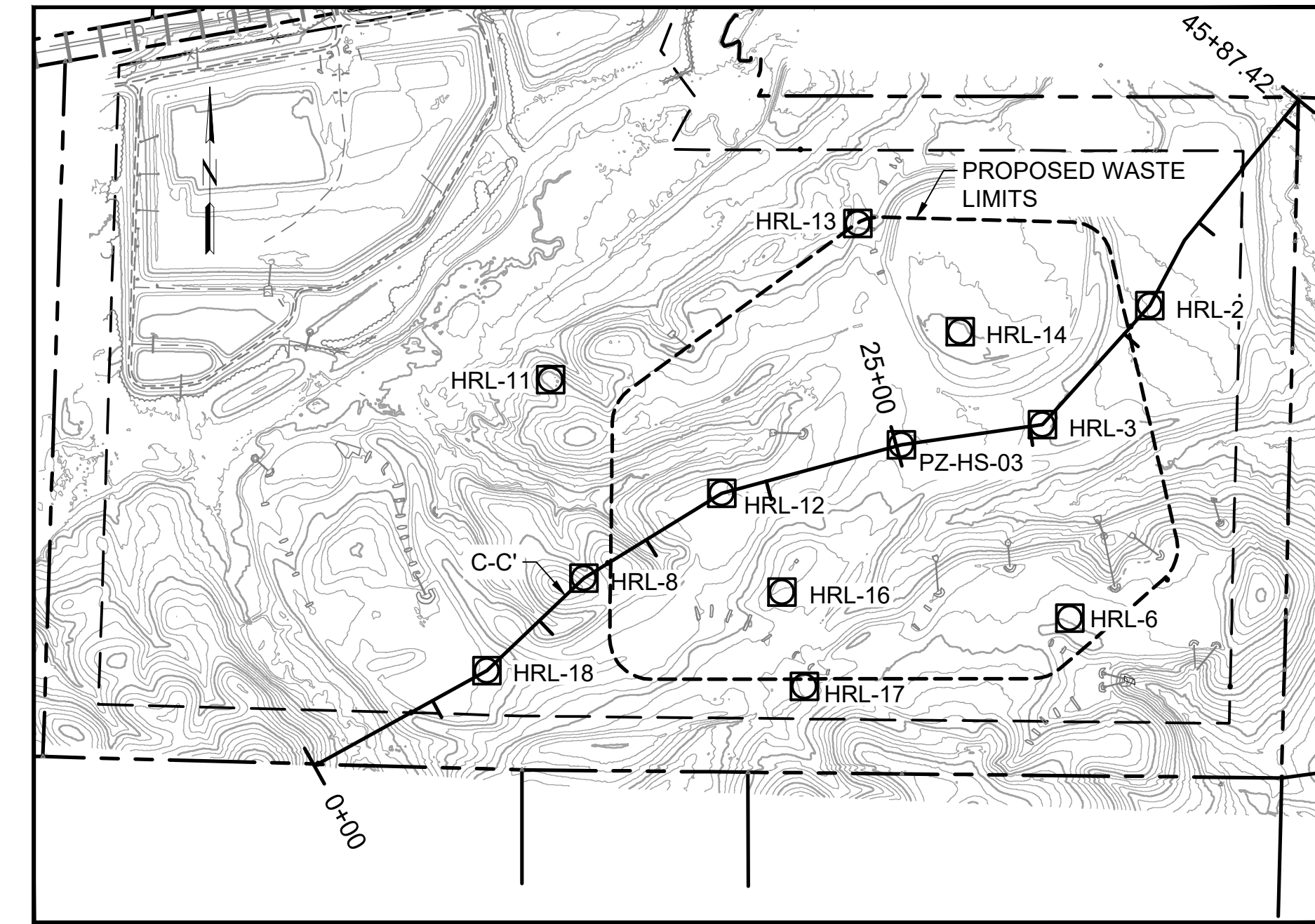
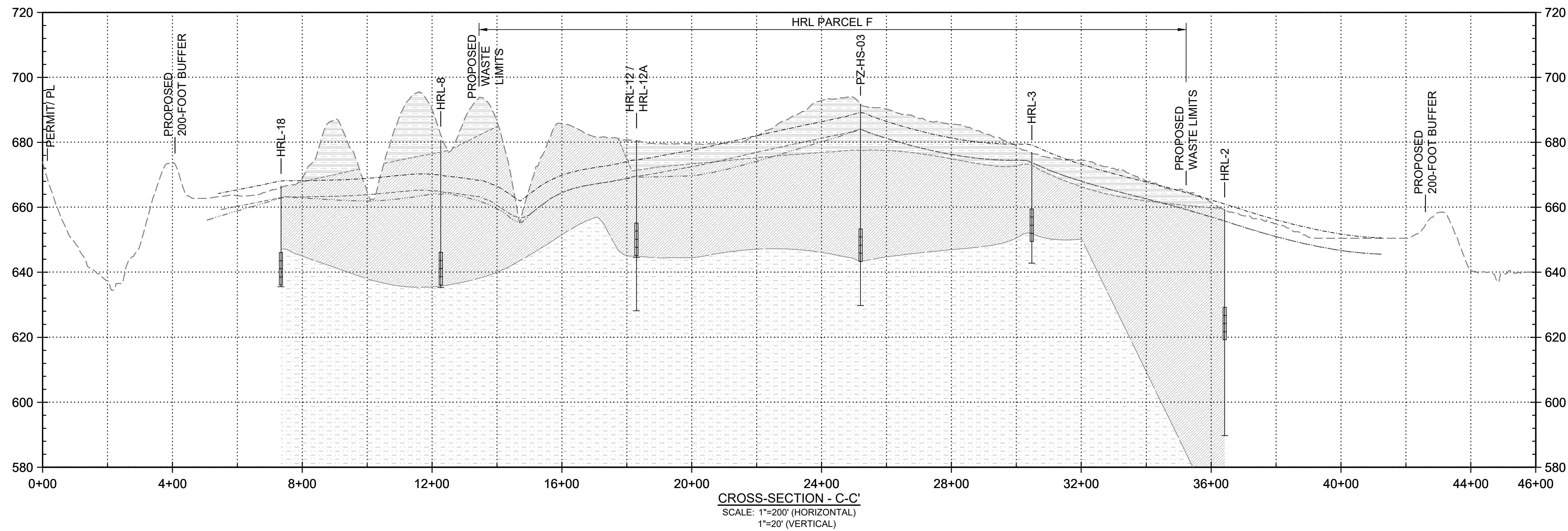
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PLAN VIEW LEGEND

- PROPOSED CCR PERMIT LIMITS
- EXISTING PROPERTY LIMITS
- PROPOSED 200 FOOT BUFFER
- PROPOSED WASTE LIMITS
- EXISTING CONTOURS
- PROFILE LINES
- PIEZOMETER

CROSS-SECTION LEGEND

- PIEZOMETER SCREEN
- BORING EXTENT
- SOIL FILL
- UNCONSOLIDATED SOIL
- PARTIALLY WEATHERED FLOYD SHALE
- COMPETENT FLOYD SHALE
- EXISTING GROUNDLINE
- TOP OF WEATHERED ROCK
- TOP OF COMPETENT ROCK
- 5-FOOT VERTICAL SEPARATION
- TOP OF COMPOSITE GROUNDWATER
- TOP OF GROUNDWATER (FEBRUARY 8, 2023)

NOTES

- HORIZONTAL COORDINATE SYSTEM IS 1983 NORTH AMERICAN DATUM (NAD), GEORGIA STATE PLANE WEST.
- ELEVATION DATUM IS 1988 NORTH AMERICAN VERTICAL DATUM (NAVD88).
- VERTICAL EXAGGERATION OF PROFILE VIEWS IS 10X.



ISSUED FOR PERMIT

Stantec Consulting Services, Inc.
FOR

GEORGIA POWER COMPANY

PLANT HAMMOND — HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
GEOLOGICAL CROSS-SECTION C-C'

REVISION		DATE		REVISION		DATE		GEORGIA POWER COMPANY											
				ISSUED FOR CCR PERMIT APPLICATION				PLANT HAMMOND – HUFFAKER ROAD COAL COMBUSTION RESIDUALS DISPOSAL FACILITY GEOLOGICAL CROSS-SECTION C-C'											
BY	CHK'D	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR	MGR APPR	BY	CHK'D	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR	MGR APPR	SCALE	PROJ I.D.	DRAWING NUMBER	SH	CONTD	REV
							JJM	KDL	-					AS SHOWN	175518236	-	80	FINAL	0

PLT DATE: 2/2/2025 USER: HUFFAKER /HWY
\\US220PPR\SSR\ISSUED_PROJECT\17615236\TECHNICAL_PRODUCTION\DRAWING\REL_PERMIT\REL\DWG\17615236_H9188_LEG.DWG

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SITE BOUNDARY LEGAL DESCRIPTION

PARCEL 1

ALL THAT TRACT OR PARCEL OF LAND LYING AND BEING IN LAND LOTS 79, 80, 101 AND 102, OF THE 4TH DISTRICT, 4TH SECTION, FLOYD COUNTY, GEORGIA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

TO FIND THE TRUE POINT OF BEGINNING, BEGIN AT A ½" REBAR FOUND AT THE CORNER COMMON TO LAND LOTS 80, 81, 100 AND 101, SAID DISTRICT, SECTION AND COUNTY (SAID CORNER HAVING STATE PLANE COORDINATES [NAD83(94) WEST ZONE] OF NORTH 1,563,453.54 FEET AND EAST 1,956,146.34 FEET); THENCE RUN NORTH 89 DEGREES 51 MINUTES 30 SECONDS WEST A DISTANCE OF 1803.96 FEET TO ½" REBAR WITH YELLOW GPC CAP SET (SAID REBAR HAVING STATE PLANE COORDINATES OF NORTH 1,563,457.85 FEET AND EAST 1,954,342.38 FEET); THENCE RUN NORTH 89 DEGREES 51 MINUTES 30 SECONDS WEST A DISTANCE OF 200.00 FEET TO A POINT IN THE CENTERLINE OF SMITH CREEK (SAID POINT HAVING STATE PLANE COORDINATES OF NORTH 1,563,458.50 FEET AND EAST 1,954,142.38 FEET), WHICH POINT IS THE TRUE POINT OF BEGINNING. FROM THE TRUE POINT OF BEGINNING AS THUS ESTABLISHED, THENCE RUNNING GENERALLY NORTHERLY ALONG SAID CENTERLINE OF SMITH CREEK AND FOLLOWING THE MEANDERINGS THEREOF A DISTANCE OF 867.29 FEET, MORE OR LESS, TO AN IRON PIN FOUND (SAID IRON PIN FOUND HAVING STATE PLAN COORDINATES OF NORTH 1,564,048.61 AND EAST 1,954,162.91 FEET AND BEING LOCATED NORTH 01 DEGREES 59 MINUTES 34 SECONDS EAST A DISTANCE OF 590.47 FEET FROM THE TRUE POINT OF BEGINNING); THENCE RUNNING SOUTH 79 DEGREES 53 MINUTES 25 SECONDS WEST A DISTANCE OF 2,633.18 FEET TO A ¾" REBAR WITH BLUE CAP FOUND (SAID REBAR HAVING STATE PLANE COORDINATES OF NORTH 1,563,586.40 FEET AND EAST 1,951,570.62 FEET); THENCE RUNNING SOUTH 01 DEGREES 50 MINUTES 01 SECONDS WEST ALONG THE BOUNDARY OF PROPERTY NOW OR FORMERLY OWNED BY INLAND CONTAINER CORP. A DISTANCE OF 1,737.88 FEET TO A POINT LOCATED IN THE CENTERLINE OF SMITH CREEK; THENCE RUNNING GENERALLY NORTHEASTERLY ALONG THE CENTERLINE OF SMITH CREEK AND FOLLOWING THE MEANDERINGS THEREOF A DISTANCE OF 4022.49 FEET, MORE OR LESS, TO THE TRUE POINT OF BEGINNING; SAID TRACT BEING DESIGNATED DISPOSAL SITE BOUNDARY SOUTH PARCEL, ALL AS SHOWN ON DRAWING H9131 DATED SEPTEMBER 27, 2004, LAST REVISED SEPTEMBER 15, 2005, PREPARED BY SOUTHERN COMPANY SERVICES, INC. FOR GEORGIA POWER COMPANY.

PARCEL 2

ALL THAT TRACT OR PARCEL OF LAND LYING AND BEING IN LAND LOTS 79 AND 80, OF THE 4TH DISTRICT, 4TH SECTION, FLOYD COUNTY, GEORGIA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A 1/2" REBAR WITH YELLOW GPC CAP SET (SAID REBAR HAVING STATE PLANE COORDINATES [NAD 83 (94) WEST ZONE] OF NORTH 1,564,412.31 FEET AND EAST 1,955,630.59 FEET); THENCE RUNNING NORTH 03 DEGREES 07 MINUTES 10 SECONDS WEST A DISTANCE OF 918.35 FEET TO AN IRON PIN FOUND (SAID IRON PIN FOUND HAVING STATE PLANE COORDINATES OF NORTH 1,565,329.30 FEET AND EAST 1,955,580.61 FEET); THENCE RUNNING NORTH 00 DEGREES 43 MINUTES 12 SECONDS EAST A DISTANCE OF 358.18 FEET TO A POINT HAVING STATE PLANE COORDINATES OF NORTH 1,565,687.47 FEET AND EAST 1,955,584.17 FEET; THENCE RUNNING ALONG THE ARC OF A CURVE TO THE LEFT AN ARC DISTANCE OF 37.54 FEET (SAID CURVE HAVING A RADIUS OF 7,987 FEET AND SAID ARC BEING SUBTENDE BY A CHORD BEARING NORTH 89 DEGREES 17 MINUTES 46 SECONDS WEST A CHORD DISTANCE OF 37.53 FEET) TO A POINT HAVING STATE PLANE COORDINATES OF NORTH 1,565,687.93 FEET AND EAST 1,955,546.64 FEET; THENCE RUNNING NORTH 89 DEGREES 09 MINUTES 42 SECONDS WEST A DISTANCE OF 543.06 FEET TO A POINT HAVING STATE PLANE COORDINATES OF NORTH 1,565,695.87 FEET AND EAST 1,955,003.64 FEET; THENCE RUNNING ALONG THE ARC OF A CURVE TO THE LEFT AN ARC DISTANCE OF 703.47 FEET (SAID CURVE HAVING A RADIUS OF 3,428 FEET AND SAID ARC BEING SUBTENDE BY A CHORD BEARING SOUTH 84 DEGREES 57 MINUTES 34 SECONDS WEST A CHORD DISTANCE OF 702.24 FEET) TO A POINT HAVING STATE PLANE COORDINATES OF NORTH 1,565,634.17 FEET AND EAST 1,954,304.12 FEET; THENCE RUNNING SOUTH 79 DEGREES 04 MINUTES 50 SECONDS WEST A DISTANCE OF 257.26 FEET TO A POINT HAVING STATE PLANE COORDINATES OF NORTH 1,565,585.44 FEET AND EAST 1,954,051.52 FEET; THENCE RUNNING ALONG THE ARC OF A CURVE TO THE RIGHT AN ARC DISTANCE OF 561.20 FEET (SAID CURVE HAVING A RADIUS OF 2,558 FEET AND SAID ARC BEING SUBTENDE BY A CHORD BEARING SOUTH 85 DEGREES 21 MINUTES 56 SECONDS WEST A CHORD DISTANCE OF 560.08 FEET) TO A POINT HAVING STATE PLANE COORDINATES OF NORTH 1,565,540.19 FEET AND EAST 1,953,493.27 FEET; THENCE RUNNING NORTH 88 DEGREES 20 MINUTES 57 SECONDS WEST A DISTANCE OF 360.74 FEET TO A POINT HAVING STATE PLANE COORDINATES OF NORTH 1,565,550.58 FEET AND EAST 1,953,132.68 FEET; THENCE RUNNING ALONG THE ARC OF A CURVE TO THE RIGHT AN ARC DISTANCE OF 320.01 FEET (SAID CURVE HAVING A RADIUS OF 2,595 FEET AND SAID ARC BEING SUBTENDE BY A CHORD BEARING NORTH 84 DEGREES 48 MINUTES 59 SECONDS WEST A CHORD DISTANCE OF 319.81 FEET) TO A POINT HAVING STATE PLANE COORDINATES OF NORTH 1,565,579.48 FEET AND EAST 1,952,814.18 FEET; THENCE RUNNING NORTH 81 DEGREES 17 MINUTES 01 SECONDS WEST A DISTANCE OF 437.51 FEET TO A POINT HAVING STATE PLANE COORDINATES OF NORTH 1,565,645.78 FEET AND EAST 1,952,381.72 FEET; THENCE RUNNING ALONG THE ARC OF A CURVE TO THE RIGHT AN ARC DISTANCE OF 384.93 FEET (SAID CURVE HAVING A RADIUS OF 5,075 FEET AND SAID ARC BEING SUBTENDE BY A CHORD BEARING NORTH 79 DEGREES 06 MINUTES 39 SECONDS WEST A CHORD DISTANCE OF 384.83 FEET) TO A POINT HAVING STATE PLANE COORDINATES OF NORTH 1,565,718.48 FEET AND EAST 1,952,003.81 FEET; THENCE RUNNING SOUTH 03 DEGREES 11 MINUTES 43 SECONDS WEST ALONG THE BOUNDARY OF PROPERTY NOW OR FORMERLY OWNED BY SIKES CORP. A DISTANCE OF 1,975.53 FEET TO A 5/8" REBAR FOUND (SAID REBAR HAVING STATE PLANE COORDINATES OF NORTH 1,563,746.02 FEET AND EAST 1,951,893.70 FEET); THENCE RUNNING NORTH 79 DEGREES 53 MINUTES 25 SECONDS EAST A DISTANCE OF 3,795.82 FEET TO A ½" REBAR WITH YELLOW GPC CAP SET AND THE POINT OF BEGINNING; SAID TRACT BEING DESIGNATED DISPOSAL SITE BOUNDARY NORTH PARCEL, ALL AS SHOWN ON DRAWING H9131 DATED SEPTEMBER 27, 2004, LAST REVISED SEPTEMBER 15, 2005, PREPARED BY SOUTHERN COMPANY SERVICES, INC. FOR GEORGIA POWER COMPANY.



ISSUED FOR PERMIT

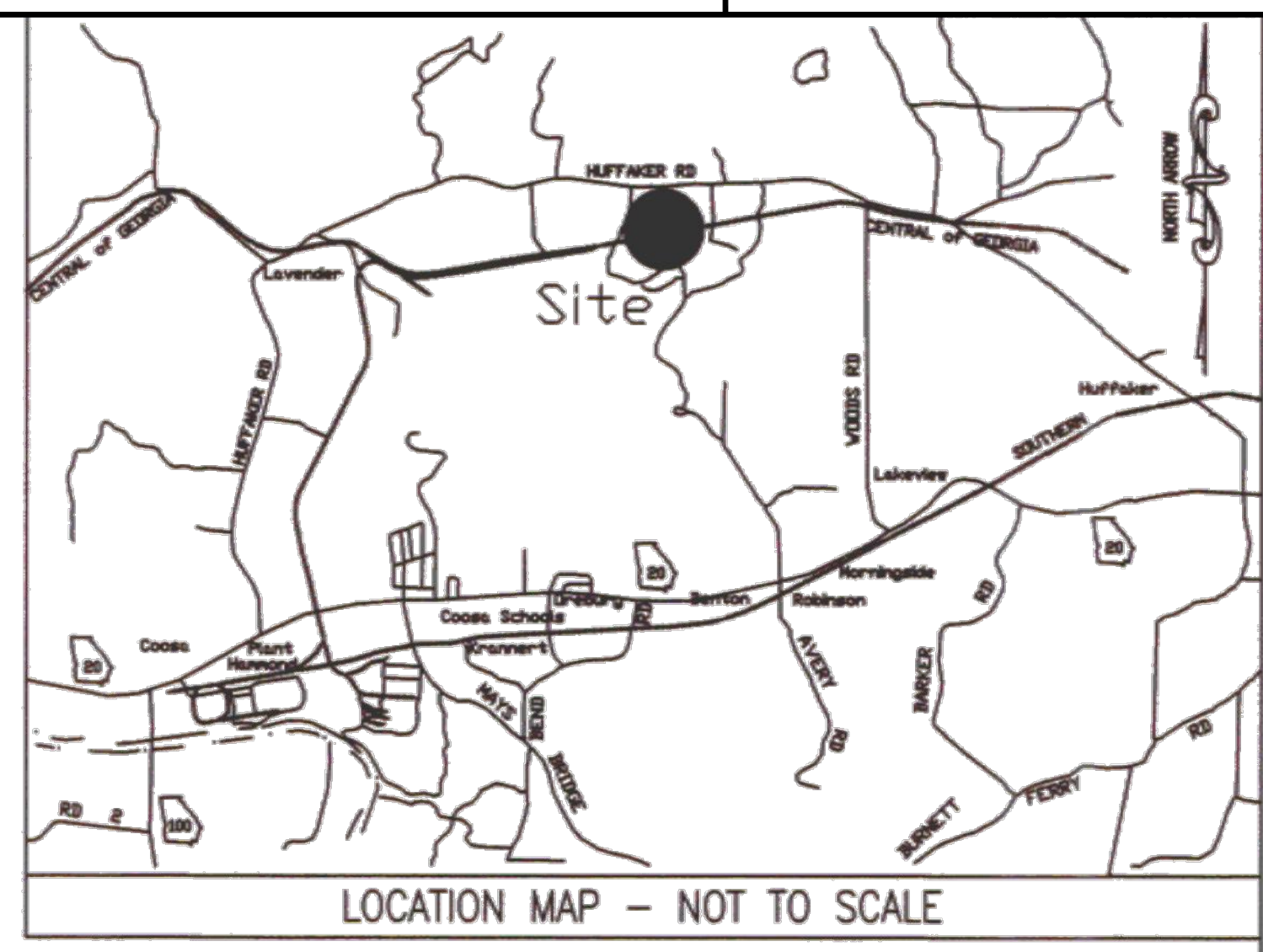
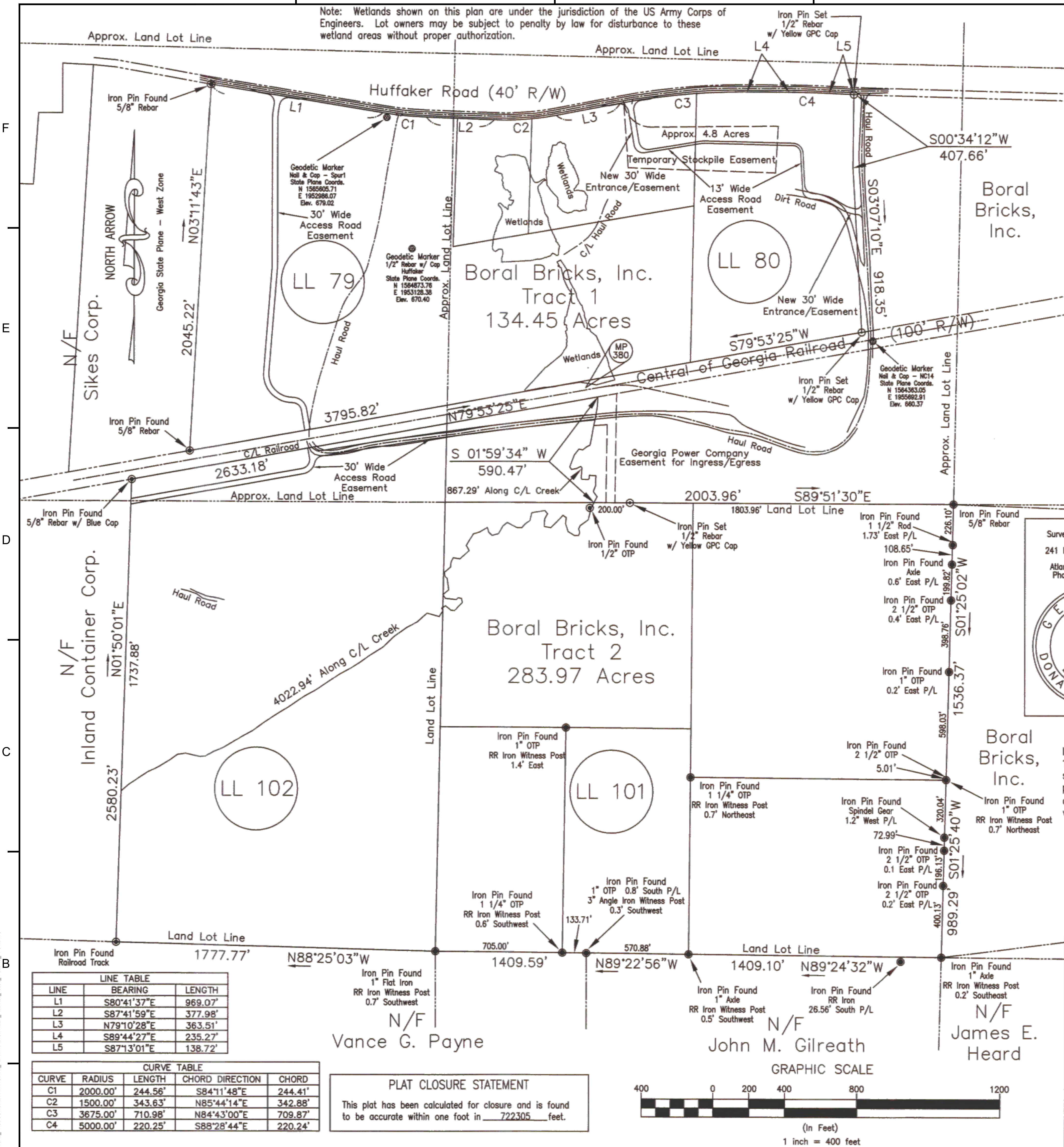
Stantec Consulting Services, Inc.
FOR

GEORGIA POWER COMPANY

PLANT HAMMOND – HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
LEGAL DESCRIPTION OF SITE BOUNDARY

REVISION		DATE		REVISION		DATE	
				0		FEBRUARY 2025	
						ISSUED FOR CCR PERMIT APPLICATION	
BY	CHKD	CIVIL APPR	ELECT APPR	IC APPR	MECH APPR	MGR APPR	
JJM	KDL	-					
SCALE	PROJ I.D.	DRAWING NUMBER		SH	CONTD	REV	
AS SHOWN	175518236	-		81	FINAL	0	

Note: Wetlands shown on this plan are under the jurisdiction of the US Army Corps of Engineers. Lot owners may be subject to penalty by law for disturbance to these wetland areas without proper authorization.



PLAT ABBREVIATIONS

IPF - Iron Pin Found
IPS - Iron Pin Set
FPS - Fence Post Set
OTP - Open Top Pipe
CTP - Crimp Top Pipe
Conc. - Concrete
Alumn. - Aluminum
P/L - Property Line
R/W - Right of Way
C/L - Centerline
F/L - Fence line
T/L - Transmission Line
N/F - New or Formerly
DB - Deed Book
PB - Plat Book
MF - Map File No.

MONUMENTATION LEGEND

○ Depicts Iron Pin Set
● Depicts Iron Pin Found
□ Depicts Monument Set
■ Depicts Monument Found

UTILITY LEGEND

⊕ Electric Manhole
⊖ Electric Meter
⊕ Gas Manhole
⊕ Gas Valve
⊕ Gas Meter
⊕ Sanitary Sewer Manhole
⊕ Storm Sewer Manhole
⊕ Telephone Manhole
⊕ Water Manhole
⊕ Water Valve
⊕ Water Meter
⊕ Fire Hydrant
⊕ Well
⊕ Power Pole
⊕ Transmission Tower
⊕ Guy Wire

Surveyor: Donald L. Dryden
R.L.S. #2800
241 Ralph McGill Blvd., N.E.
SIN - 10151
Atlanta, Ga. 30308-3374
Phone (404) 506-2839

NOTE: THIS PLAT IS NOT VALID FOR RECORDING PURPOSES UNLESS SURVEYOR'S SIGNATURE APPEARS IN ORIGINAL BLACK INK OVER THE STAMP.

In my opinion this plat is a correct representation of the land platted and has been prepared in conformity with minimum standards and requirements of law.

Signed _____

GEORGIA REGISTERED LAND SURVEYOR DONALD L. DRYDEN No. 2800

GPS Control Statement

I, Donald Dryden, declare that this map or report was prepared under my supervision on 10-10-2001 from an actual GPS survey made under my supervision; that this GPS survey was performed to category B specifications; that I used kinematic GPS field procedures. That this survey was performed using Trimble 4700 dual frequency receivers and all coordinates are based on Georgia State Plane - West Zone NAD83/94 and vertical datum of NAVD88.

All stations were double occupied and from this:

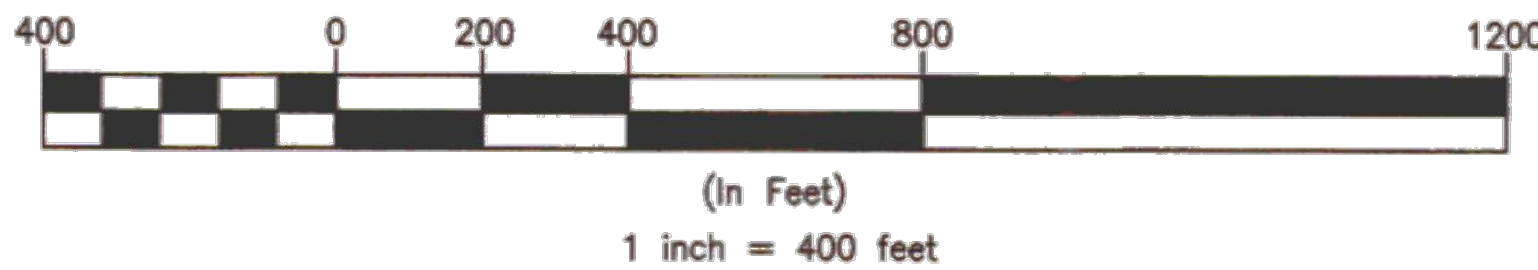
The minimum horizontal error is 0.01 feet.
The maximum horizontal error is 0.06 feet.
The average horizontal error is 0.03 feet.
All vertical control is less than 0.12 feet of error.

LINE	BEARING	LENGTH
L1	S80°41'37"E	969.07'
L2	S87°41'59"E	377.98'
L3	N79°10'28"E	363.51'
L4	S89°44'27"E	235.27'
L5	S87°13'01"E	138.72'

CURVE	RADIUS	LENGTH	CHORD DIRECTION	CHORD
C1	2000.00'	244.56'	S84°11'48"E	244.41'
C2	1500.00'	343.63'	N85°44'14"E	342.88'
C3	3675.00'	710.98'	N84°43'00"E	709.87'
C4	5000.00'	220.25'	S88°28'44"E	220.24'

PLAT CLOSURE STATEMENT

This plat has been calculated for closure and is found to be accurate within one foot in 722305 feet.



Path - T:\Working\ASH\Hammond\20050613 Huffaker Road CCB Disposal Facility\Huffaker.dwg

GEORGIA POWER CO., ATLANTA, GA.
Land Department

Plant Hammond
Huffaker Road CCB Disposal Facility
Land lots 79, 80, 101 and 102 - 4th District - 4th Section
Floyd County, Georgia

DR. JFW TR. Checked
SCALE 1" = 400' DATE Dec. 13, 2001
DRAWING NUMBER
H-628-10



ISSUED FOR PERMIT

Stantec Consulting Services, Inc.
FOR
GEORGIA POWER COMPANY
PLANT HAMMOND - HUFFAKER ROAD
COAL COMBUSTION RESIDUALS DISPOSAL FACILITY
PROPERTY PLAT AND CLOSURE STATEMENT

REVISION	DATE	REVISION	DATE
		0	FEBRUARY 2005
ISSUED FOR CCR PERMIT APPLICATION			
BY	CHKD	CIVL APPR	ELECT APPR
BY	CHKD	CIVL APPR	ELECT APPR
J.M.	KDL	-	-

SCALE	PROJ. I.D.	DRAWING NUMBER	SH	CONTD	REV
AS SHOWN	175518236	-	82	FINAL	0

PLAT DATE: 12/13/01 USER: DONALD.DRYDEN PROJECT: 175518236 SHEET: 1 OF 1