

2025 PARTIAL CLOSURE CONSTRUCTION

MATLOCK BEND LANDFILL

FOR
REPUBLIC SERVICES, INC.

LOUDON COUNTY, TENNESSEE
FEBRUARY 2025

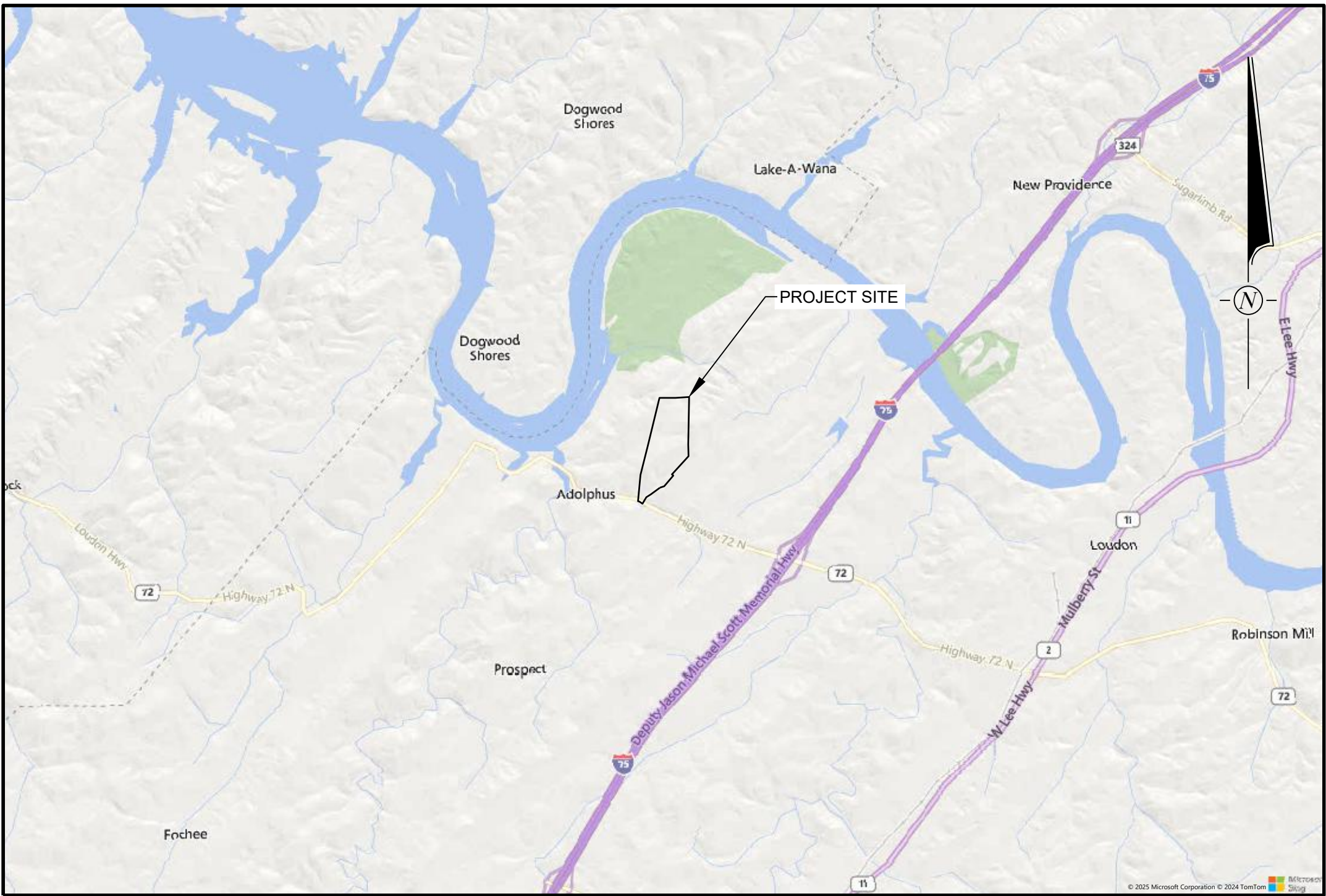


OWNER/OPERATOR

REPUBLIC SERVICES, INC.
CONTACT: HOLLY VAN KIRK (ENV. MANAGER)
750 E JEFFERSON PIKE
MURFREESBORO, TN 37130
(615) 956-9277

SITE ADDRESS

21712 HIGHWAY 72 NORTH
LOUDON, TN 37774
(865) 458-2651



PROJECT SITE LOCATION
SCALE: 1" = 1 MILE

LEGEND

EXISTING 2' CONTOUR	
EXISTING 10' CONTOUR	
EXISTING TREELINE	
EXISTING ROAD	
PROPERTY LINE	
PROPERTY BUFFER	
EXISTING CELL BOUNDARY	
EXISTING GROUND WATER MONITORING POINT	
BENCHMARK	
EXISTING STORM DIVERSION BERM	
EXISTING STORM DOWNDRAIN	
EXISTING STORM DRAINAGE PIPE	
EXISTING LEACHATE CLEANOUT	
PROPOSED LIMITS OF CLOSURE	
PROPOSED TEMPORARY EDGE OF LINER	
PROPOSED 2' CONTOUR	
PROPOSED 10' CONTOUR	
PROPOSED STORM PERIMETER CHANNEL	
PROPOSED FINAL COVER TACK-ON BENCH	
PROPOSED STORM LET-DOWN CHANNEL	
PROPOSED STORMWATER PIPE	
PROPOSED OUTFALL STRUCTURE	
PROPOSED GAS EXTRACTION WELL	

INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
-	TITLE SHEET
1	OVERALL EXISTING CONDITIONS
2	EXISTING CONDITIONS
3	TOP OF FINAL COVER GRADING PLAN
4	LANDFILL GAS SYSTEM PLAN
5	FINAL DRAINAGE PLAN
6	EROSION CONTROL PLAN
7-10	CONSTRUCTION DETAILS
11-12	SEDIMENT BASIN 2 IMPROVEMENTS
13	INITIAL BORROW AREA BASIN

ISSUED FOR BID

2025-02-07	ISSUED FOR BID	ALL
DATE	DESCRIPTION	SHEETS

REVISION HISTORY



HODGES, HARBIN, NEWBERRY & TRIBBLE, INC.
3920 ARKWRIGHT ROAD, SUITE 101
MACON, GEORGIA 31210
(478) 743-7175
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SHEET NOTES:

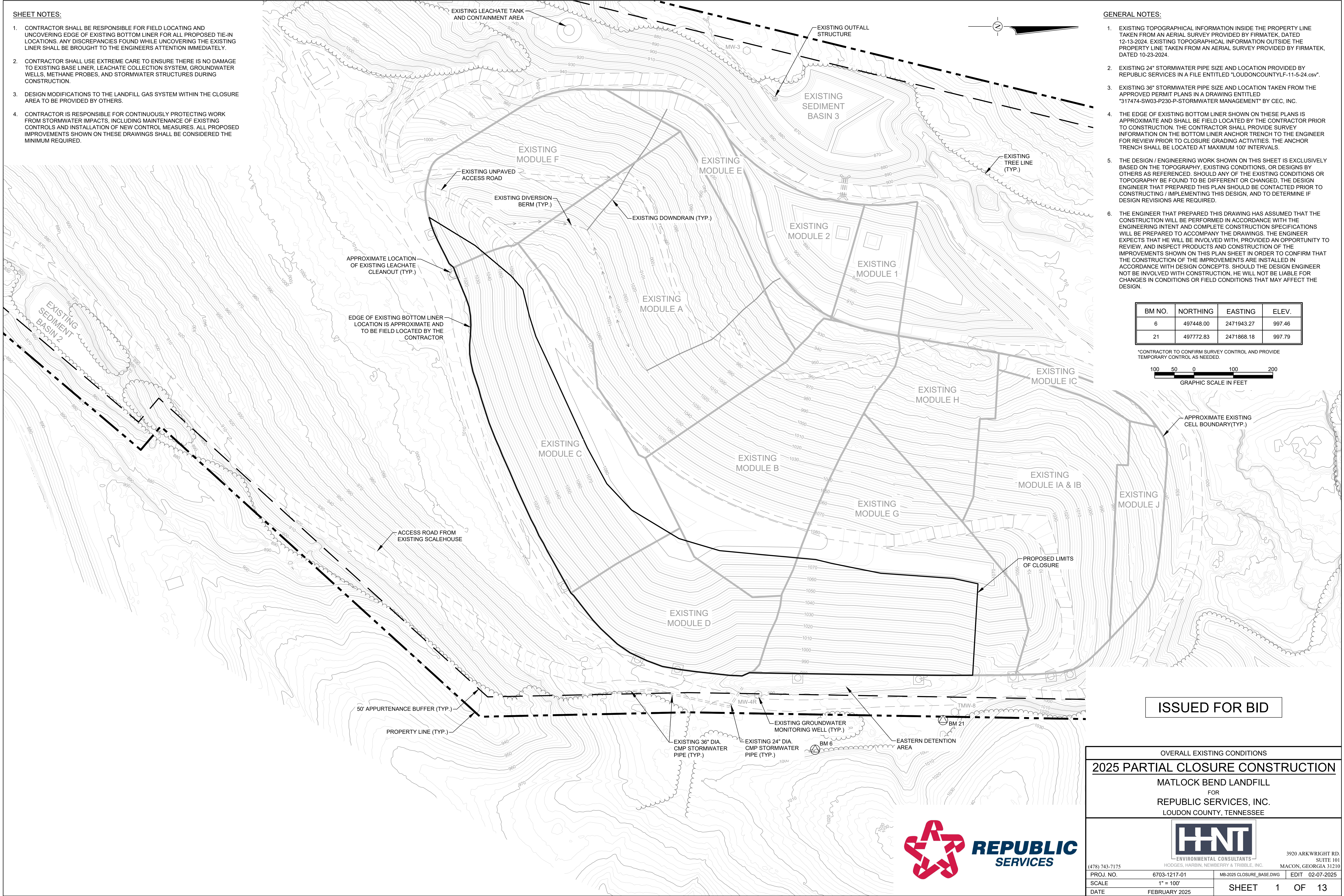
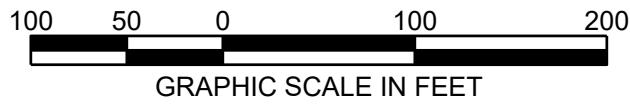
- CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD LOCATING AND UNCOVERING EDGE OF EXISTING BOTTOM LINER FOR ALL PROPOSED TIE-IN LOCATIONS. ANY DISCREPANCIES FOUND WHILE UNCOVERING THE EXISTING LINER SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY.
- CONTRACTOR SHALL USE EXTREME CARE TO ENSURE THERE IS NO DAMAGE TO EXISTING BASE LINER, LEACHATE COLLECTION SYSTEM, GROUNDWATER WELLS, METHANE PROBES, AND STORMWATER STRUCTURES DURING CONSTRUCTION.
- DESIGN MODIFICATIONS TO THE LANDFILL GAS SYSTEM WITHIN THE CLOSURE AREA TO BE PROVIDED BY OTHERS.
- CONTRACTOR IS RESPONSIBLE FOR CONTINUOUSLY PROTECTING WORK FROM STORMWATER IMPACTS, INCLUDING MAINTENANCE OF EXISTING CONTROLS AND INSTALLATION OF NEW CONTROL MEASURES. ALL PROPOSED IMPROVEMENTS SHOWN ON THESE DRAWINGS SHALL BE CONSIDERED THE MINIMUM REQUIRED.

GENERAL NOTES:

- EXISTING TOPOGRAPHICAL INFORMATION INSIDE THE PROPERTY LINE TAKEN FROM AN AERIAL SURVEY PROVIDED BY FIRMATEK, DATED 12-13-2024. EXISTING TOPOGRAPHICAL INFORMATION OUTSIDE THE PROPERTY LINE TAKEN FROM AN AERIAL SURVEY PROVIDED BY FIRMATEK, DATED 10-23-2024.
- EXISTING 24" STORMWATER PIPE SIZE AND LOCATION PROVIDED BY REPUBLIC SERVICES IN A FILE ENTITLED "LOUDONCOUNTYLF-11-5-24.csv".
- EXISTING 36" STORMWATER PIPE SIZE AND LOCATION TAKEN FROM THE APPROVED PERMIT PLANS IN A DRAWING ENTITLED "317474-SW03-P230-P-STORMWATER MANAGEMENT" BY CEC, INC.
- THE EDGE OF EXISTING BOTTOM LINER SHOWN ON THESE PLANS IS APPROXIMATE AND SHALL BE FIELD LOCATED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE SURVEY INFORMATION ON THE BOTTOM LINER ANCHOR TRENCH TO THE ENGINEER FOR REVIEW PRIOR TO CLOSURE GRADING ACTIVITIES. THE ANCHOR TRENCH SHALL BE LOCATED AT MAXIMUM 100' INTERVALS.
- THE DESIGN / ENGINEERING WORK SHOWN ON THIS SHEET IS EXCLUSIVELY BASED ON THE TOPOGRAPHY, EXISTING CONDITIONS, OR DESIGNS BY OTHERS AS REFERENCED. SHOULD ANY OF THE EXISTING CONDITIONS OR TOPOGRAPHY BE FOUND TO BE DIFFERENT OR CHANGED, THE DESIGN ENGINEER THAT PREPARED THIS PLAN SHOULD BE CONTACTED PRIOR TO CONSTRUCTING / IMPLEMENTING THIS DESIGN, AND TO DETERMINE IF DESIGN REVISIONS ARE REQUIRED.
- THE ENGINEER THAT PREPARED THIS DRAWING HAS ASSUMED THAT THE CONSTRUCTION WILL BE PERFORMED IN ACCORDANCE WITH THE ENGINEERING INTENT AND COMPLETE CONSTRUCTION SPECIFICATIONS WILL BE PREPARED TO ACCOMPANY THE DRAWINGS. THE ENGINEER EXPECTS THAT HE WILL BE INVOLVED WITH, PROVIDED AN OPPORTUNITY TO REVIEW, AND INSPECT PRODUCTS AND CONSTRUCTION OF THE IMPROVEMENTS SHOWN ON THIS PLAN SHEET IN ORDER TO CONFIRM THAT THE CONSTRUCTION OF THE IMPROVEMENTS ARE INSTALLED IN ACCORDANCE WITH DESIGN CONCEPTS. SHOULD THE DESIGN ENGINEER NOT BE INVOLVED WITH CONSTRUCTION, HE WILL NOT BE LIABLE FOR CHANGES IN CONDITIONS OR FIELD CONDITIONS THAT MAY AFFECT THE DESIGN.

BM NO.	NORTHING	EASTING	ELEV.
6	497448.00	2471943.27	997.46
21	497772.83	2471868.18	997.79

*CONTRACTOR TO CONFIRM SURVEY CONTROL AND PROVIDE TEMPORARY CONTROL AS NEEDED.

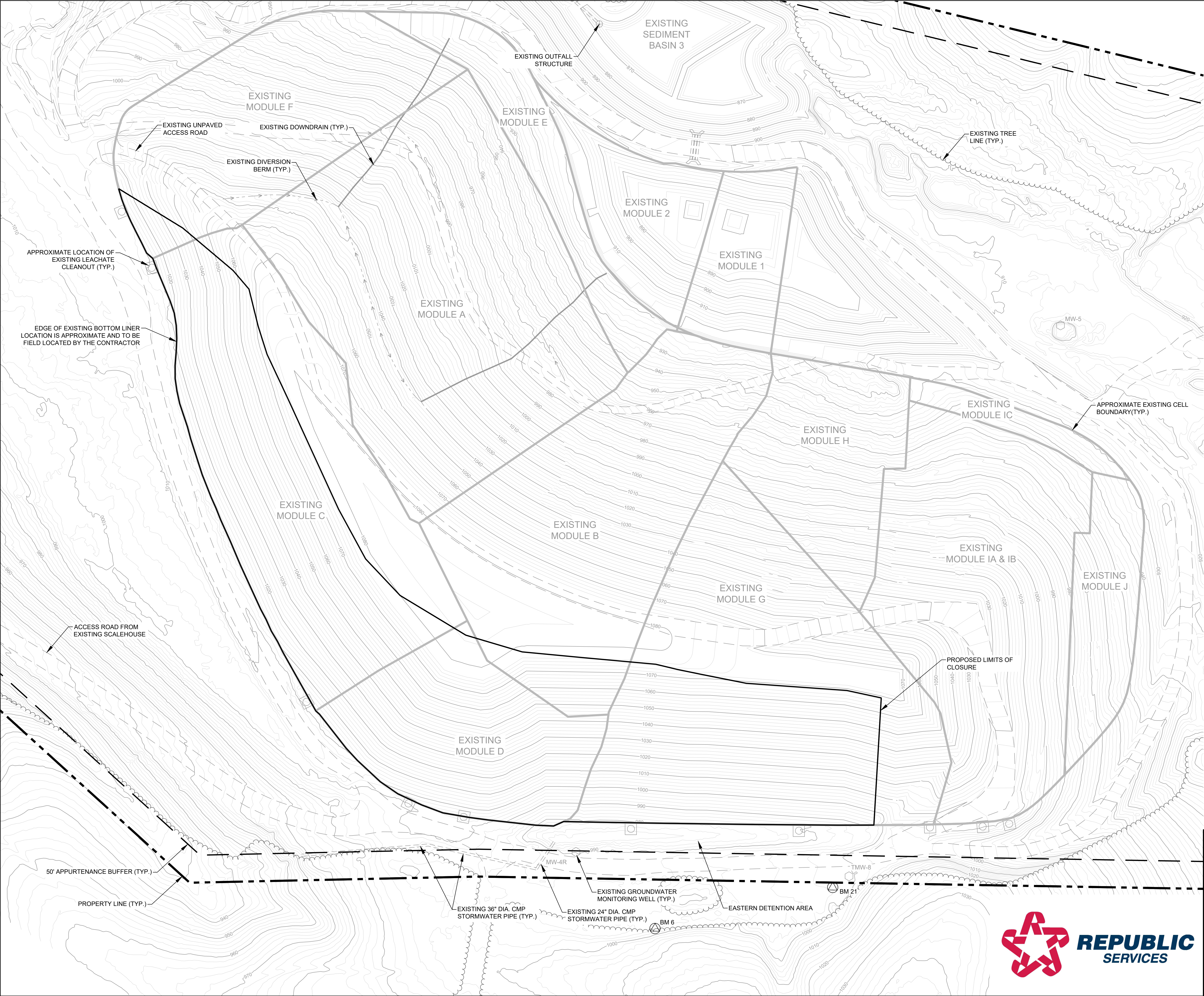


ISSUED FOR BID

OVERALL EXISTING CONDITIONS
2025 PARTIAL CLOSURE CONSTRUCTION
MATLOCK BEND LANDFILL
FOR
REPUBLIC SERVICES, INC.
LOUDON COUNTY, TENNESSEE



(478) 743-7175	HODGES, HARBIN, NEWBERRY & TRIBBLE, INC.	3920 ARKWRIGHT RD., SUITE 101 MACON, GEORGIA 31210
PROJ. NO.	6703-1217-01	MB-2025 CLOSURE_BASE.DWG
SCALE	1" = 100'	EDIT 02-07-2025
DATE	FEBRUARY 2025	SHEET 1 OF 13



- GENERAL NOTES:
- EXISTING TOPOGRAPHICAL INFORMATION INSIDE THE PROPERTY LINE TAKEN FROM AN AERIAL SURVEY PROVIDED BY FIRMATEK, DATED 12-13-2024. EXISTING TOPOGRAPHICAL INFORMATION OUTSIDE THE PROPERTY LINE TAKEN FROM AN AERIAL SURVEY PROVIDED BY FIRMATEK, DATED 10-23-2024.
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 - THE DESIGN / ENGINEERING WORK SHOWN ON THIS SHEET IS EXCLUSIVELY BASED ON THE TOPOGRAPHY, EXISTING CONDITIONS, OR DESIGNS BY OTHERS AS REFERENCED. SHOULD ANY OF THE EXISTING CONDITIONS OR TOPOGRAPHY BE FOUND TO BE DIFFERENT OR CHANGED, THE DESIGN ENGINEER THAT PREPARED THIS PLAN SHOULD BE CONTACTED PRIOR TO CONSTRUCTING / IMPLEMENTING THIS DESIGN, AND TO DETERMINE IF DESIGN REVISIONS ARE REQUIRED.
 - THE ENGINEER THAT PREPARED THIS DRAWING HAS ASSUMED THAT THE CONSTRUCTION WILL BE PERFORMED IN ACCORDANCE WITH THE ENGINEERING INTENT AND COMPLETE CONSTRUCTION SPECIFICATIONS WILL BE PREPARED TO ACCOMPANY THE DRAWINGS. THE ENGINEER EXPECTS THAT HE WILL BE INVOLVED WITH, PROVIDED AN OPPORTUNITY TO REVIEW, AND INSPECT PRODUCTS AND CONSTRUCTION OF THE IMPROVEMENTS SHOWN ON THIS PLAN SHEET IN ORDER TO CONFIRM THAT THE CONSTRUCTION OF THE IMPROVEMENTS ARE INSTALLED IN ACCORDANCE WITH DESIGN CONCEPTS. SHOULD THE DESIGN ENGINEER NOT BE INVOLVED WITH CONSTRUCTION, HE WILL NOT BE LIABLE FOR CHANGES IN CONDITIONS OR FIELD CONDITIONS THAT MAY AFFECT THE DESIGN.

- SHEET NOTES:
- CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD LOCATING AND UNCOVERING EDGE OF EXISTING BOTTOM LINER FOR ALL PROPOSED TIE-IN LOCATIONS. ANY DISCREPANCIES FOUND WHILE UNCOVERING THE EXISTING LINER SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY.
 - CONTRACTOR SHALL USE EXTREME CARE TO ENSURE THERE IS NO DAMAGE TO EXISTING BASE LINER, LEACHATE COLLECTION SYSTEM, GROUNDWATER WELLS, METHANE PROBES, AND STORMWATER STRUCTURES DURING CONSTRUCTION.
 - DESIGN MODIFICATIONS TO THE LANDFILL GAS SYSTEM WITHIN THE CLOSURE AREA TO BE PROVIDED BY OTHERS.
 - CONTRACTOR IS RESPONSIBLE FOR CONTINUOUSLY PROTECTING WORK FROM STORMWATER IMPACTS, INCLUDING MAINTENANCE OF EXISTING CONTROLS AND INSTALLATION OF NEW CONTROL MEASURES. ALL PROPOSED IMPROVEMENTS SHOWN ON THESE DRAWINGS SHALL BE CONSIDERED THE MINIMUM REQUIRED.

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21	497772.83	2471868.18	997.79

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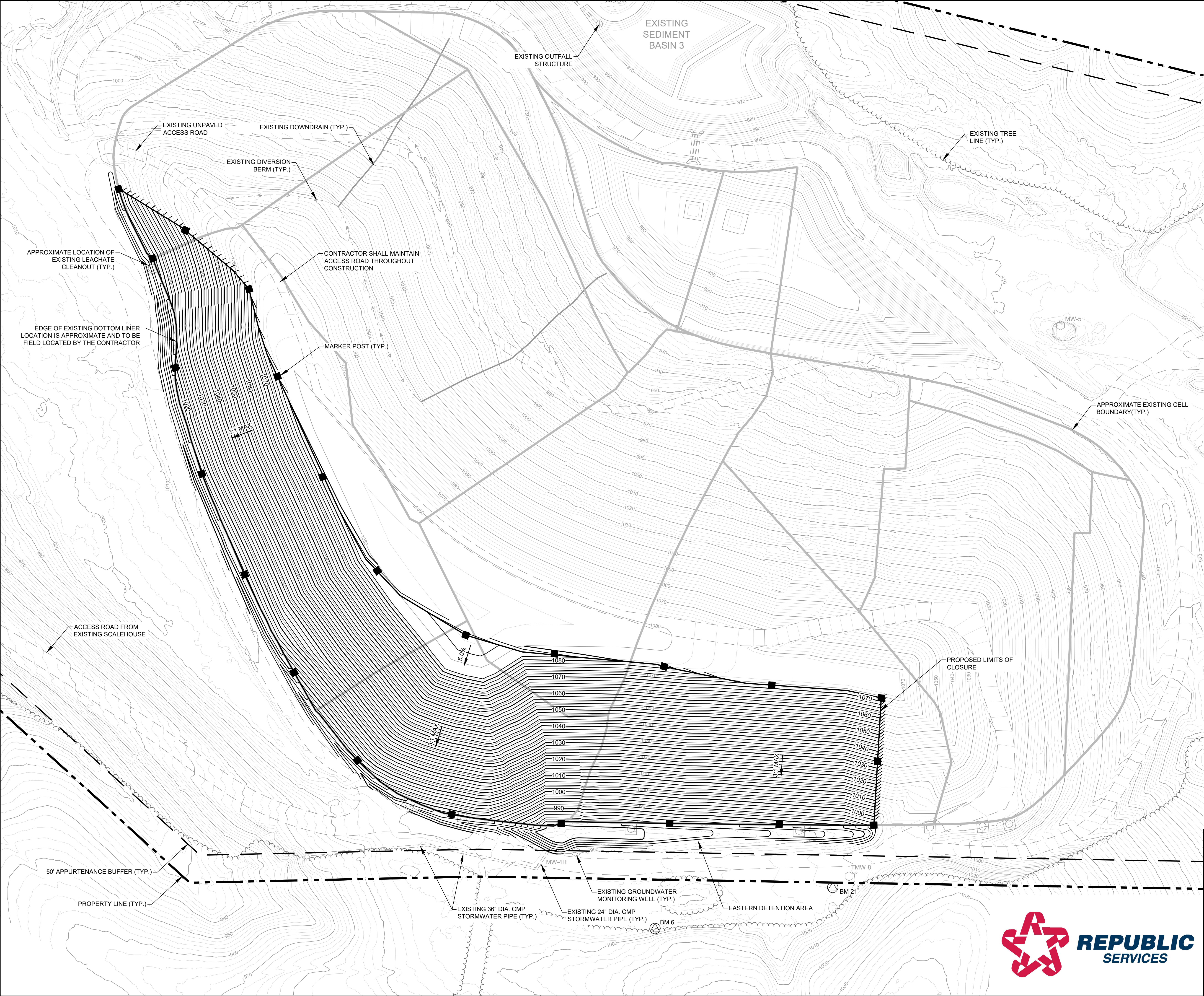


EXISTING CONDITIONS
2025 PARTIAL CLOSURE CONSTRUCTION
MATLOCK BEND LANDFILL
FOR
REPUBLIC SERVICES, INC.
LOUDON COUNTY, TENNESSEE



(478) 743-7175	6703-1217-01	MB-2025 CLOSURE_BASE.DWG	3920 ARKWRIGHT RD., SUITE 101 MACON, GEORGIA 31210
PROJ. NO.	SCALE 1" = 80'	DATE FEBRUARY 2025	EDIT 02-07-2025
SHEET 2 OF 13			





GENERAL NOTES:

- SEE GENERAL NOTES ON SHEETS 1 AND 2.

GRADING NOTES:

- PROPOSED GRADES SHOWN WERE OBTAINED FROM THE PERMIT DRAWINGS FOR MATLOCK BEND LANDFILL PREPARED BY CEC, DATED AUGUST 2024 AND REPRESENT TOP OF FINAL CAP WITHIN THE PROPOSED CLOSURE LIMITS. GRADES OUTSIDE OF THE PROPOSED CLOSURE LIMITS WITHIN THE EXISTING CELL BOUNDARY REPRESENT TOP OF INTERMEDIATE COVER. SEE DETAILS 5 AND 8 ON SHEET 8 FOR REFERENCE. ALL GRADES OUTSIDE THE EXISTING CELL BOUNDARY REPRESENT TOP OF FINISHED GRADE.
- PROPOSED FINAL COVER GRADES SHOWN SHALL BE CONSIDERED MAX ALLOWABLE. MINOR ADJUSTMENTS TO ACCOMMODATE EXISTING GRADE IN CAP AREA MAY BE ALLOWABLE BUT ALL LINER SLOPES SHALL NO GREATER THAN 3(H):1(V).
- AFTER COMPLETION OF WASTE FILLING IN THE CLOSURE AREA, THE OWNER WILL PROVIDE AN UPDATED TOPOGRAPHIC SURVEY TO THE ENGINEER AND CONTRACTOR. FINAL CLOSURE GRADES WILL BE ADJUSTED ACCORDINGLY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD LOCATING AND UNCOVERING THE EXISTING EDGE OF LINER FOR ALL PROPOSED TIE-IN LOCATIONS. ANY DISCREPANCIES FOUND WHILE UNCOVERING THE EXISTING LINER SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY.
- CONTRACTOR SHALL USE EXTREME CARE TO ASSURE THERE IS NO DAMAGE TO EXISTING BASE LINER, EXISTING CLOSURE AREA LINER SYSTEM, LEACHATE COLLECTION SYSTEM, GAS COLLECTION AND CONTROL SYSTEM, GROUNDWATER WELLS, METHANE PROBES, AND STORMWATER STRUCTURES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL STORMWATER MANAGEMENT THROUGHOUT THE DURATION OF THE PROJECT UNTIL FINAL ACCEPTANCE BY TDEC AND THE OWNER.
- SEDIMENTATION AND EROSION CONTROL DEVICES ARE TO BE INSTALLED PRIOR TO BEGINNING LAND DISTURBING ACTIVITIES.
- THE CONTRACTOR SHALL BE REQUIRED TO CONSTRUCT THE PROPOSED FINAL COVER SYSTEM, AS SHOWN IN THE DETAILS, IN THE PROPOSED CLOSURE AREA BASED ON THE CONDITIONS AT THE TIME OF CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTAINING ALL LEACHATE OUTBREAKS ENCOUNTERED DURING CONSTRUCTION. OUTBREAKS SHALL BE REPORTED TO THE ENGINEER AND OWNER IMMEDIATELY.

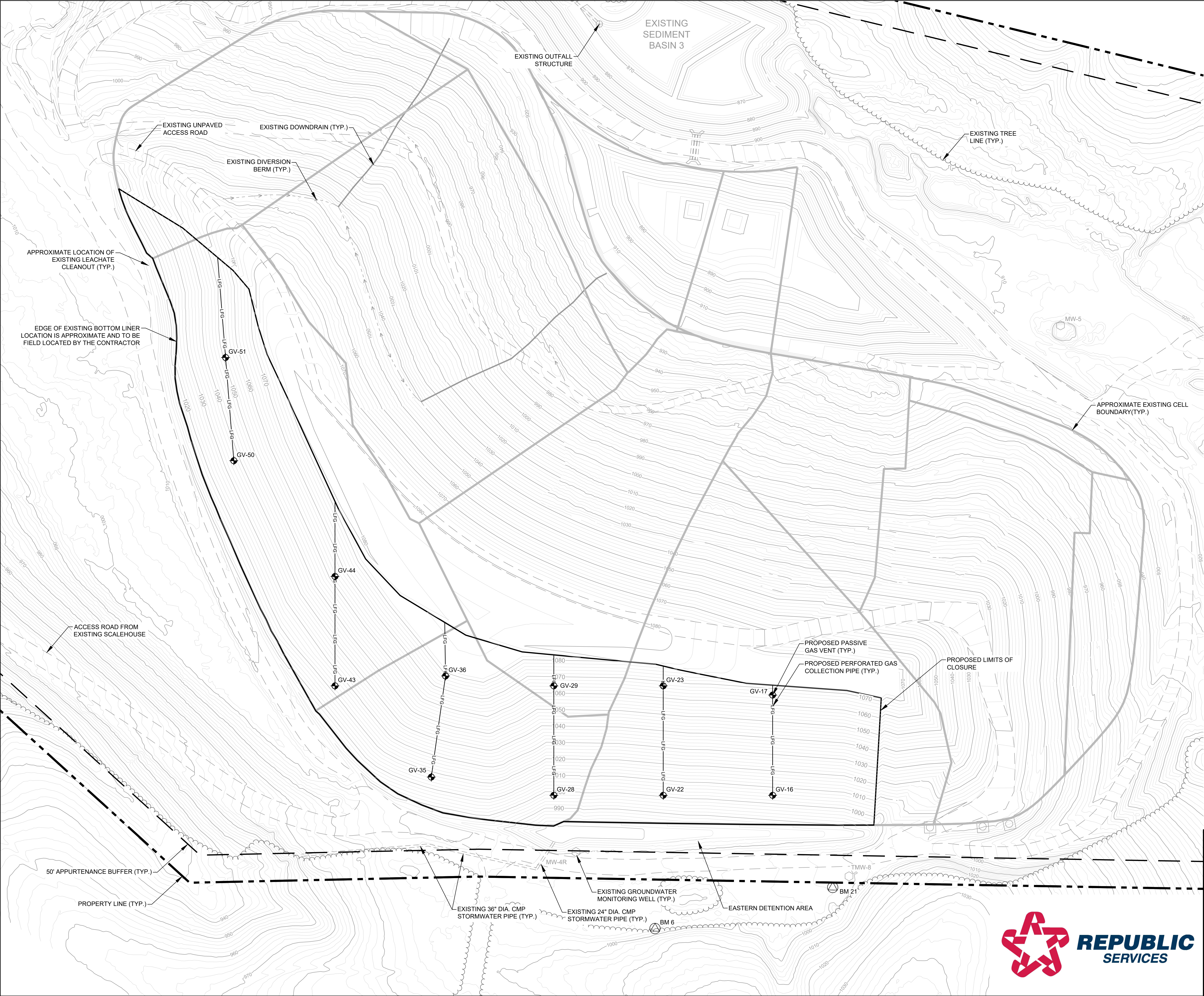
ISSUED FOR BID



TOP OF FINAL COVER GRADING PLAN
2025 PARTIAL CLOSURE CONSTRUCTION
MATLOCK BEND LANDFILL
FOR
REPUBLIC SERVICES, INC.
LOUDON COUNTY, TENNESSEE



(478) 743-7175			
PROJ. NO.	6703-1217-01	MB-2025 CLOSURE_BASE.DWG	SHEET 3 OF 13
SCALE	1" = 80'	DATE	FEBRUARY 2025
3920 ARKWRIGHT RD., SUITE 101 MACON, GEORGIA 31210			



GENERAL NOTES:

- 1. SEE GENERAL NOTES ON SHEETS 1 AND 2.

GAS MONITORING NOTES:

- 1. THE GAS SYSTEM DESIGN ON THIS PLAN SHEET HAS BEEN TAKEN FROM THE APPROVED MATLOCK BEND LANDFILL PART II - EXPANSION PLANS BY CEC, INC.
- 2. TRENCHES TO BE SPACED NOT MORE THAN 200 FT. ON CENTERS AND WILL GENERALLY BE ORIENTED PERPENDICULAR TO THE CONTOURS
- 3. GAS COLLECTION PIPING WILL BE CONNECTED TO THE PASSIVE GAS VENTS AT REGULAR INTERVALS.
- 4. THE LOCATION OF THE PASSIVE GAS VENTS MAY VARY TO COORDINATE WITH THE TRENCH TIE-INS. SUCH VARIATION WILL NOT RESULT IN INCREASED SPACING NOR COVERAGE AREA THAN WHAT IS SHOWN.
- 5. THE GAS VENTING SYSTEM INDICATED IN THIS PERMIT DRAWING PACKAGE IS FOR A PASSIVE GAS SYSTEM WHICH MEETS THE CURRENT REGULATORY REQUIREMENTS FOR THIS FACILITY.
- 6. AN ACTIVE GAS SYSTEM MAY BE DESIGNED AND INSTALLED AT THIS FACILITY IN THE FUTURE. WHETHER VOLUNTARILY OR REQUIRED BY REGULATIONS.
- 7. OWNER'S GAS CONSULTANT SHALL CONFIRM GAS SYSTEM IS SUFFICIENT TO PREVENT CAP UPLIFT PRIOR TO CONSTRUCTION.

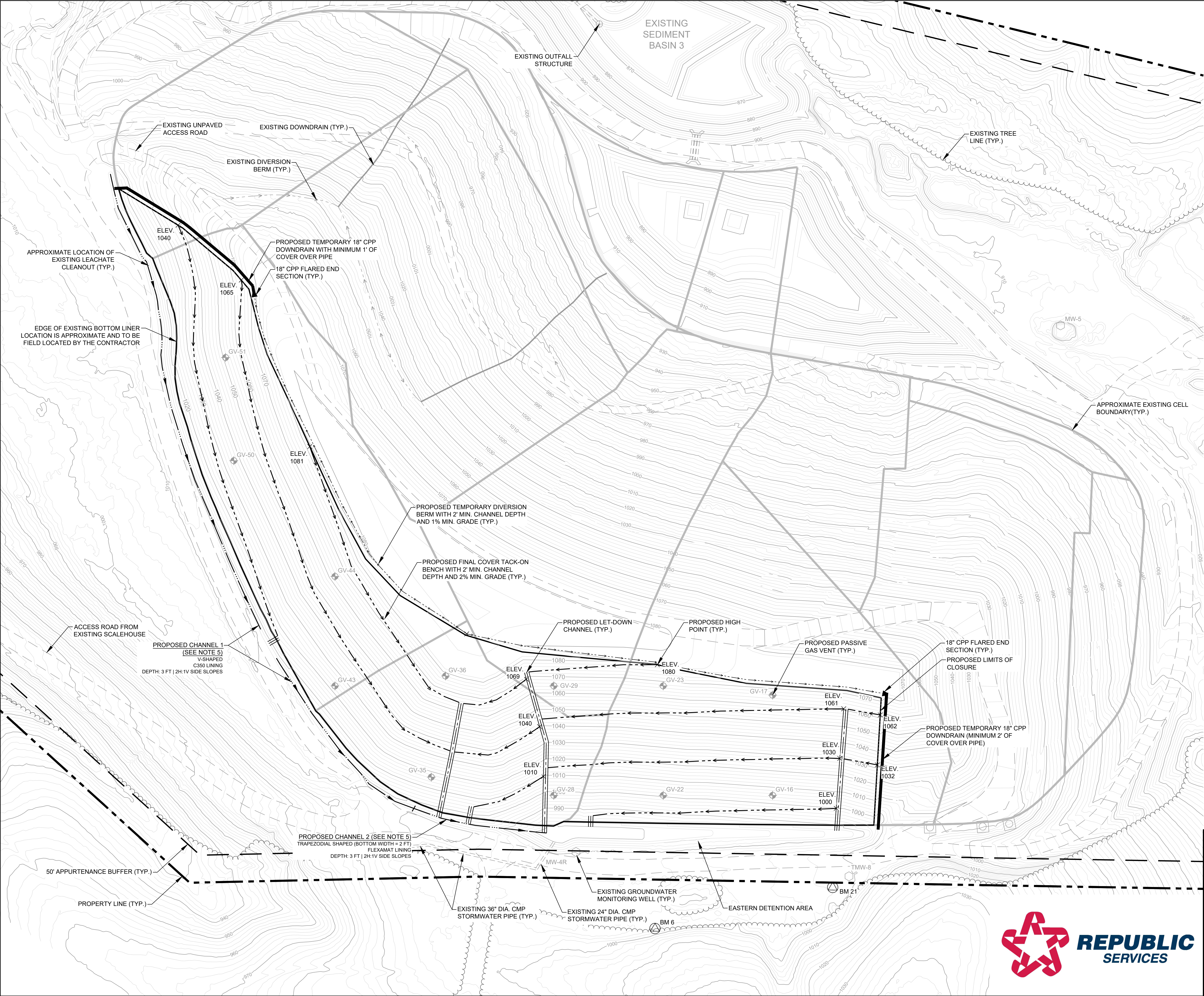
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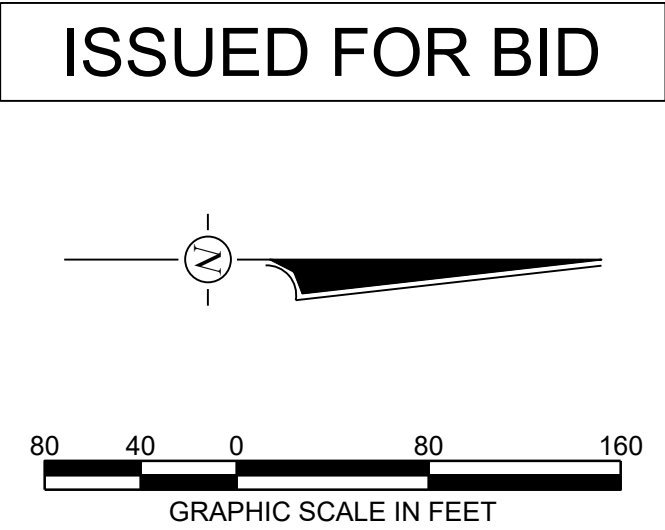
LANDFILL GAS SYSTEM PLAN
2025 PARTIAL CLOSURE CONSTRUCTION
MATLOCK BEND LANDFILL
FOR
REPUBLIC SERVICES, INC.
LOUDON COUNTY, TENNESSEE



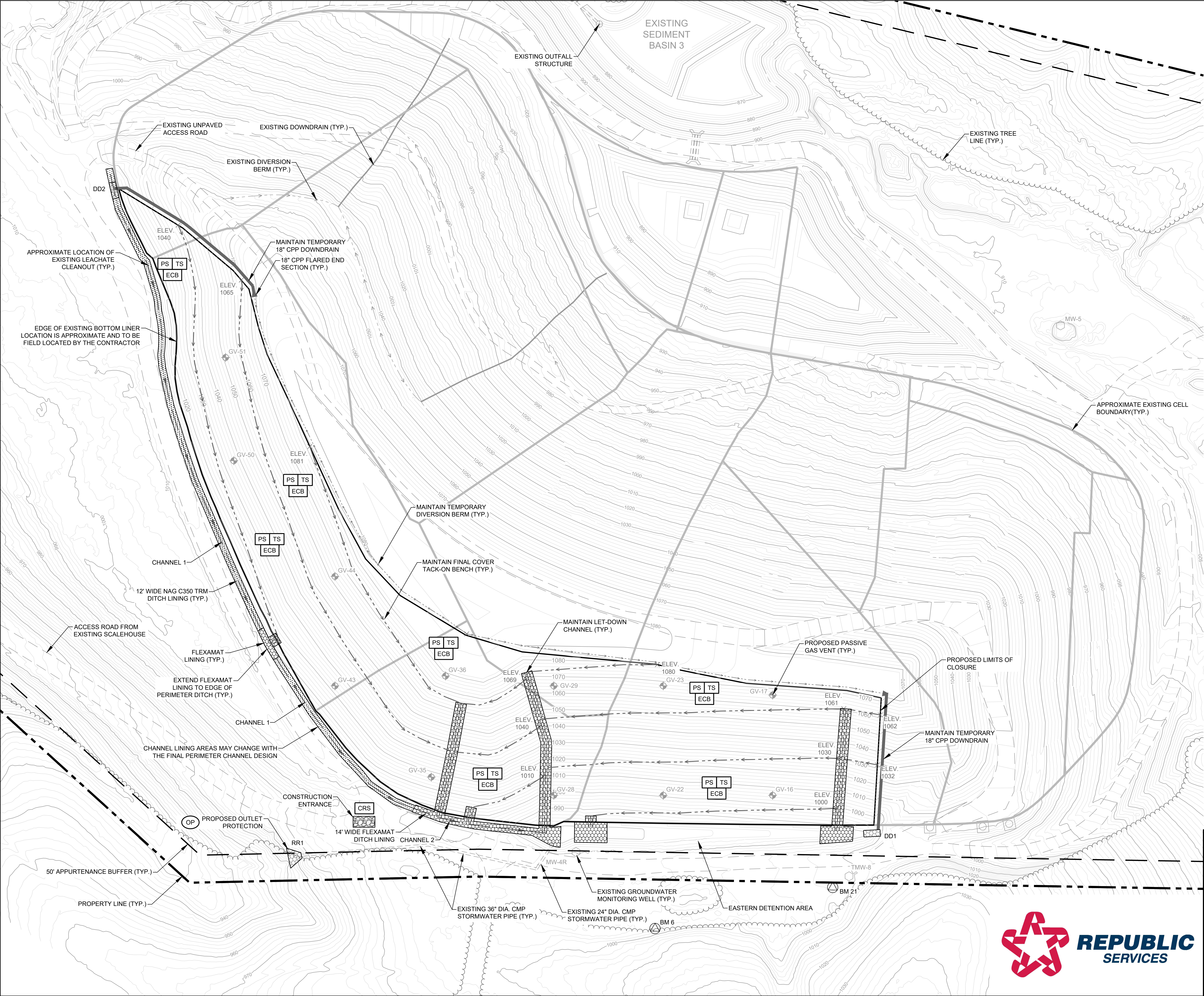
(478) 743-7175		3920 ARKWRIGHT RD., SUITE 101 MACON, GEORGIA 31210	
PROJ. NO.	6703-1217-01	MB-2025 CLOSURE_BASE.DWG	EDIT 02-07-2025
SCALE	1" = 80'	SHEET 4 OF 13	
DATE	FEBRUARY 2025		



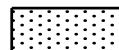
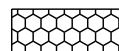
- GENERAL NOTES:**
- SEE GENERAL NOTES ON SHEETS 1 AND 2.
- DRAINAGE NOTES:**
- THE ELEVATIONS SHOWN FOR THE SIDE SLOPE DRAINAGE BERMS AND DOWNDRAINS REPRESENT DESIGN CONDITIONS AND SHALL BE FIELD FIT AS NEEDED.
 - PROPOSED TACK-ON BERM LOCATIONS MAY BE FIELD ADJUSTED BY THE CONTRACTOR AS NEEDED TO ACHIEVE A MINIMUM SLOPE OF 2.0%. ANY ADJUSTMENTS MUST BE APPROVED BY THE ENGINEER.
 - THE SIDE SLOPE DRAINAGE BERMS SHALL BE CAREFULLY COMPACTED TO AVOID DAMAGE TO THE CAPPING SYSTEM. BERMS SHALL BE COMPACTED TO A MINIMUM 95% OF STANDARD PROCTOR DRY DENSITY.
 - THE SIDE SLOPE DRAINAGE BERMS SHALL BE POSITIONED TO AVOID CONFLICTS WITH ALL LANDFILL GAS SYSTEM COMPONENTS. WELLS SHALL NOT BE LOCATED IN THE BERM OR WITHIN 6' OF THE UPHILL SIDE OF THE BERM FLOWLINE. FIELD ADJUSTMENTS MAY BE NECESSARY DUE TO EXISTING CONDITIONS AT THE TIME OF CONSTRUCTION AND MUST BE APPROVED BY THE ENGINEER.
 - LOCATION OF THE PROPOSED PERIMETER DITCH IS APPROXIMATE. FINAL PERIMETER DITCH GRADING AND DESIGN TO BE FINALIZED AFTER THE EDGE OF LINER HAS BEEN FIELD LOCATED BY THE CONTRACTOR.



FINAL DRAINAGE PLAN			
2025 PARTIAL CLOSURE CONSTRUCTION			
MATLOCK BEND LANDFILL			
FOR			
REPUBLIC SERVICES, INC.			
LOUDON COUNTY, TENNESSEE			
			
ENVIRONMENTAL CONSULTANTS		3920 ARKWRIGHT RD., SUITE 101	
HODGES, HARBIN, NEWBERRY & TRIBBLE, INC.		MACON, GEORGIA 31210	
PROJ. NO.	6703-1217-01	MB-2025 CLOSURE_BASE.DWG	EDIT 02-07-2025
SCALE	1" = 80'	SHEET 5 OF 13	
DATE	FEBRUARY 2025		



- GENERAL NOTES:**
- SEE GENERAL NOTES ON SHEETS 1 AND 2.
- EROSION CONTROL PLAN NOTES:**
- THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.
 - EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLANS DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
 - THE EROSION CONTROL MEASURES SHOWN ON THIS SHEET ARE CONSIDERED THE MINIMUM MEASURES THAT WILL BE USED. SHOULD ADDITIONAL EROSION CONTROL MEASURES BE REQUIRED BY THE ENGINEER OR LOCAL REGULATORY AGENCY, THEY WILL BE INSTALLED IN ACCORDANCE WITH THE TENNESSEE EROSION & SEDIMENT CONTROL HANDBOOK, LATEST EDITION.
 - ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
 - STRIPPING OF VEGETATION, CLEARING, GRADING, AND OTHER LAND DISTURBING ACTIVITIES SHALL BE CONDUCTED TO MINIMIZE EROSION.
 - NO NON-STORMWATER DISCHARGES WILL BE ALLOWED DURING THIS PROJECT.
 - SOIL IS NOT TO BE STOCKPILED WITHIN 25 FEET OF THE EDGE OF ANY TRENCH EXCAVATION.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL STORMWATER MANAGEMENT THROUGHOUT THE DURATION OF THE PROJECT.

EROSION CONTROL DEVICES						
		FINAL COVER TACK-ON BENCH				
		TEMPORARY STORMWATER DIVERSION BERM				
		STORMWATER DRAINAGE DITCH				
		CONSTRUCTION ENTRANCE				
		N.A.G. C350 TRM LINING				
		FLEXAMAT [®] LINING				
<u>PROPOSED DITCH LINING</u>	<u>CHANNEL NO.</u>	<u>LENGTH</u>	<u>BOTTOM WIDTH</u>	<u>DITCH LINING</u>		
	1	1265'	0'	C350 TRM		
	2	248'	2'	FLEXAMAT		
<u>PROPOSED RIP-RAP OUTLET PROTECTION</u>	<u>PIPE NO.</u>	<u>RIP-RAP SIZE</u>	<u>LENGTH</u>	<u>W1</u>	<u>W2</u>	
	RR1	CLASS A-1	19'	9'	22'	
	DD1	CLASS A-1	9'	10'	10'	
	DD2	CLASS A-1	9'	8'	8'	
NOTE: ALL RIP-RAP SHALL BE GROUTED IN PLACE.						
<u>EROSION CONTROL SYMBOL LEGEND</u>						
	DISTURBED AREA STABILIZATION WITH PERMANENT VEGETATION			CONSTRUCTION ROAD STABILIZATION		
	DISTURBED AREA STABILIZATION WITH TEMPORARY VEGETATION			EXCELSIOR MATTING SLOPE STABILIZATION		

ISSUED FOR BID



EROSION CONTROL PLAN

2025 PARTIAL CLOSURE CONSTRUCTION

MATLOCK BEND LANDFILL

FOR

REPUBLIC SERVICES, INC.

LOUDON COUNTY, TENNESSEE

ENVIRONMENTAL CONSULTANTS

3920 ARKWRIGHT RD. SUITE 101

MACON, GEORGIA 31210

PROJ. NO. 6703-1217-01

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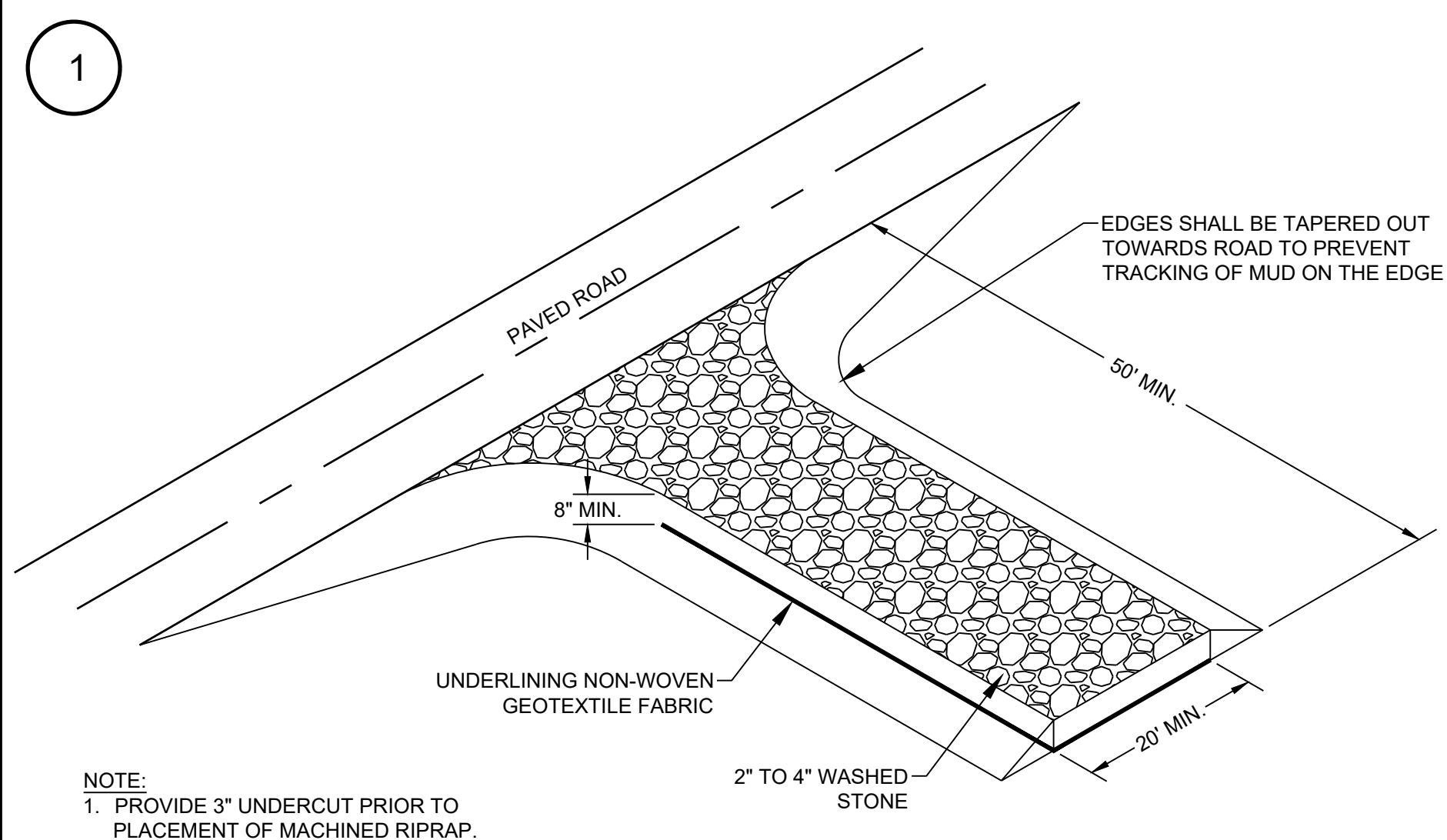
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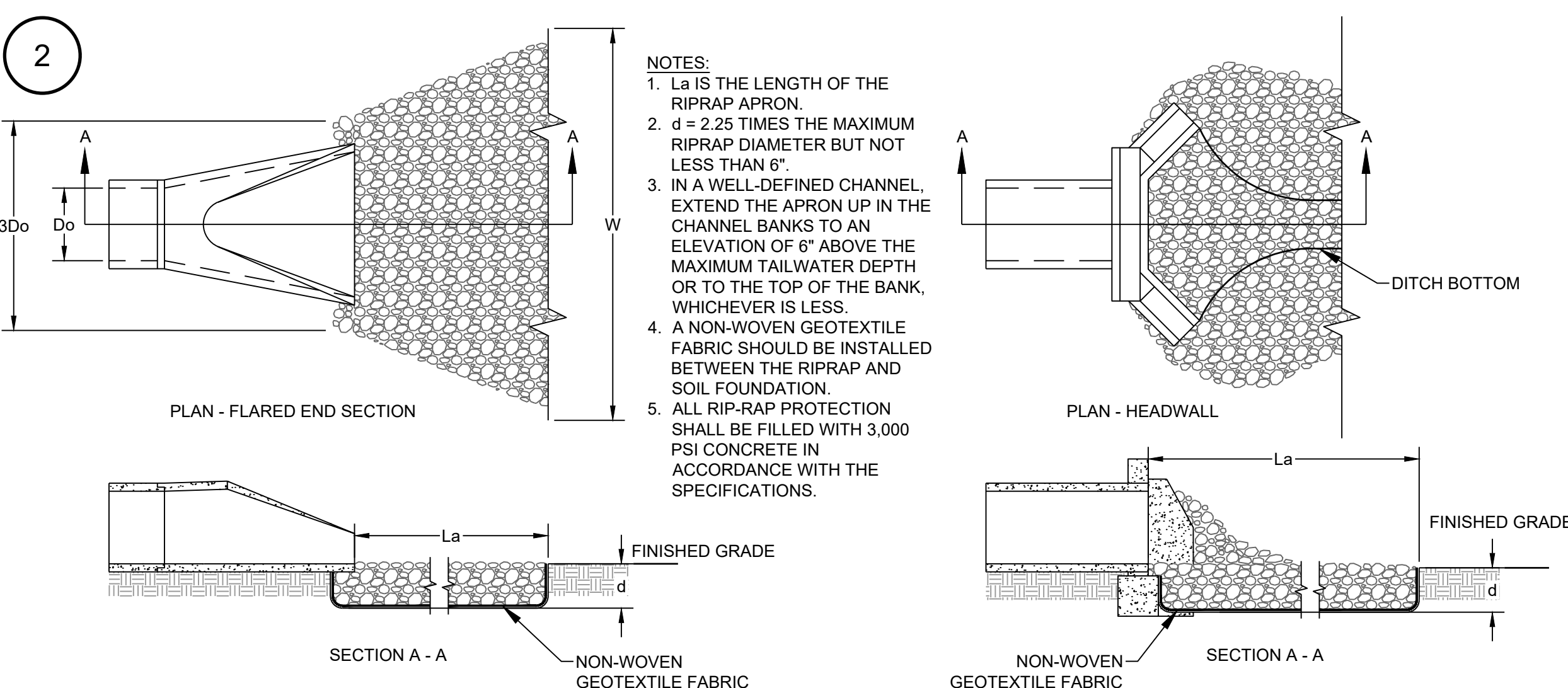
SHEET 6 OF 13





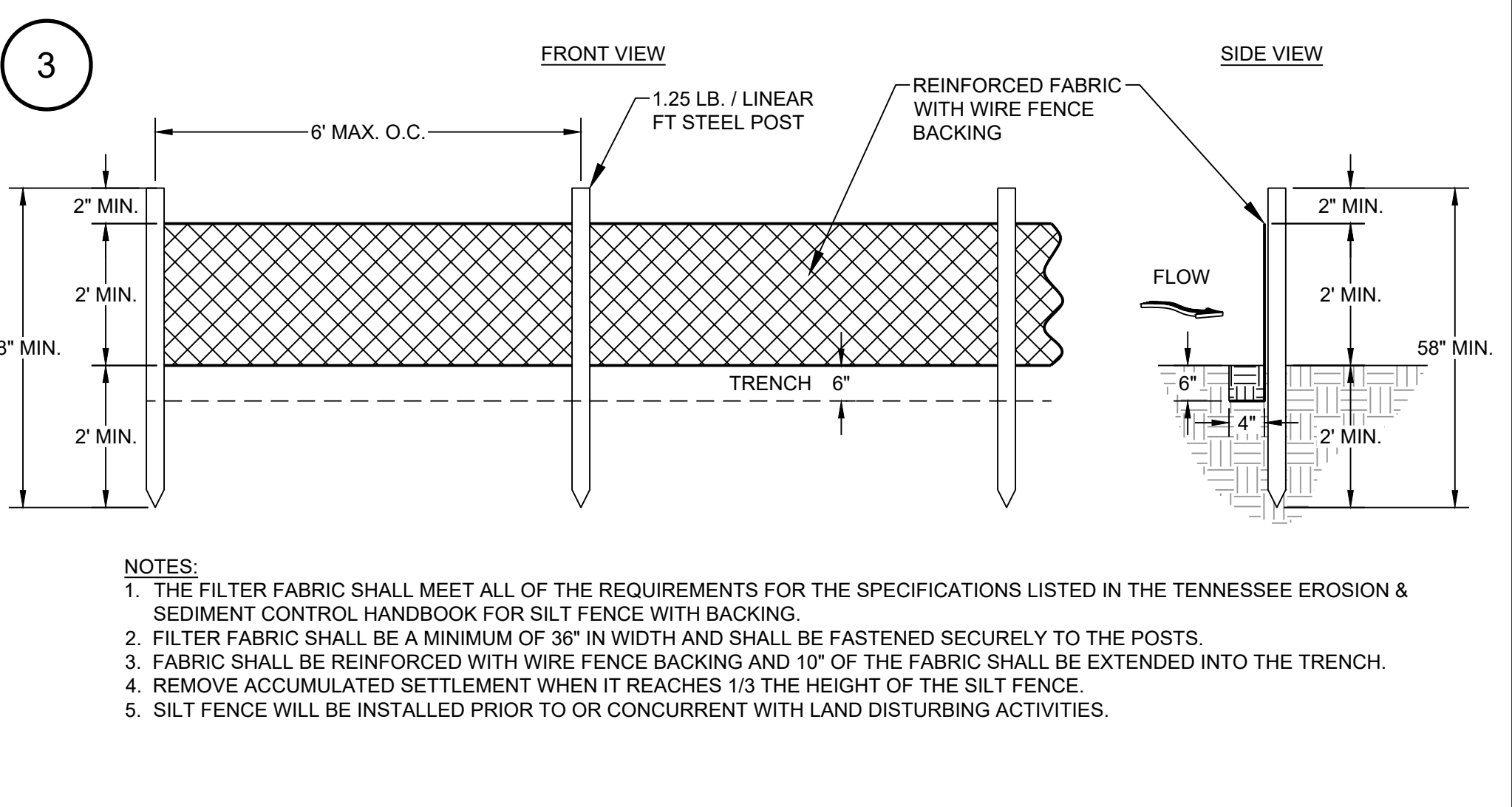
CONSTRUCTION ENTRANCE

SCALE: NOT TO SCALE



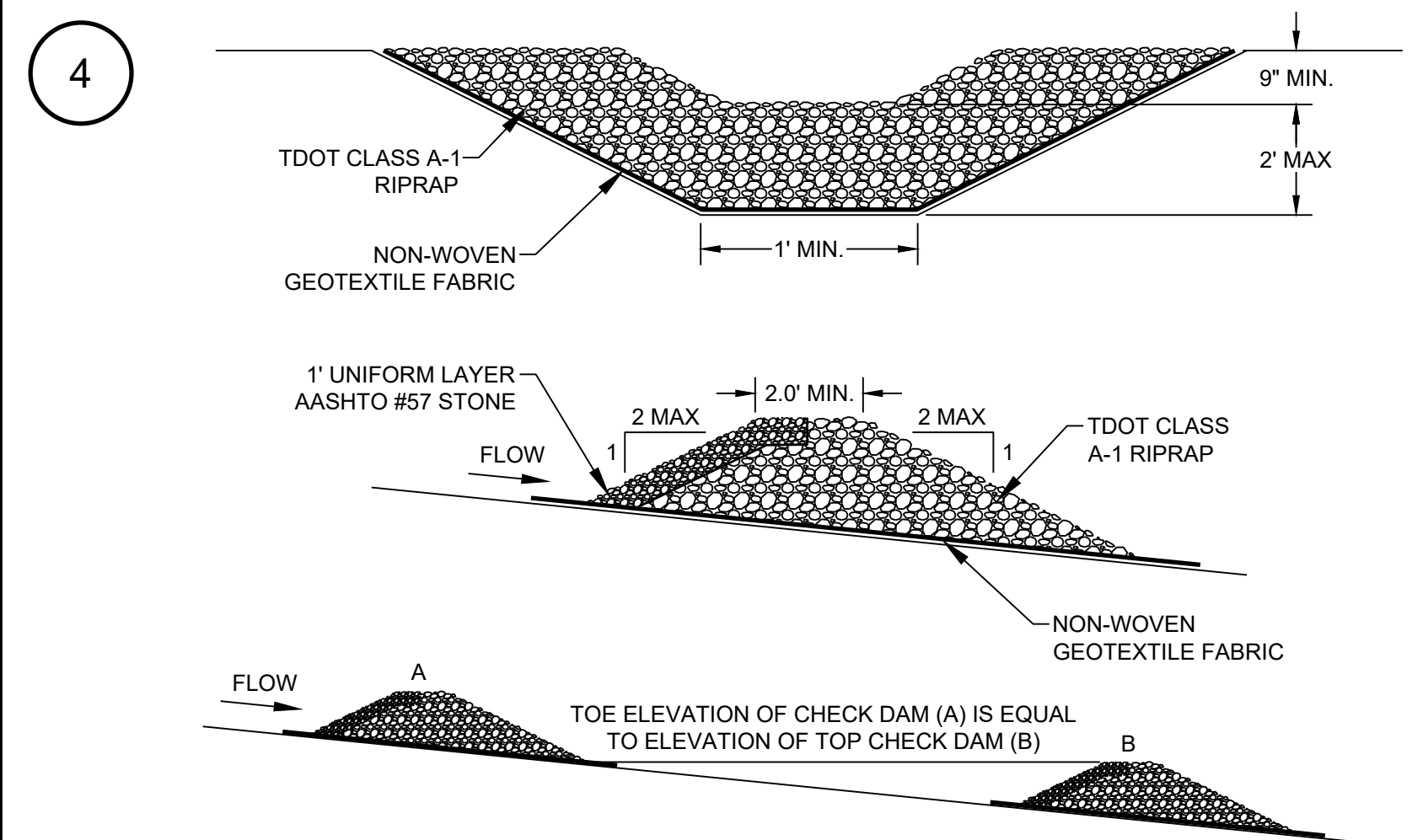
OUTLET PROTECTION

SCALE: NOT TO SCALE



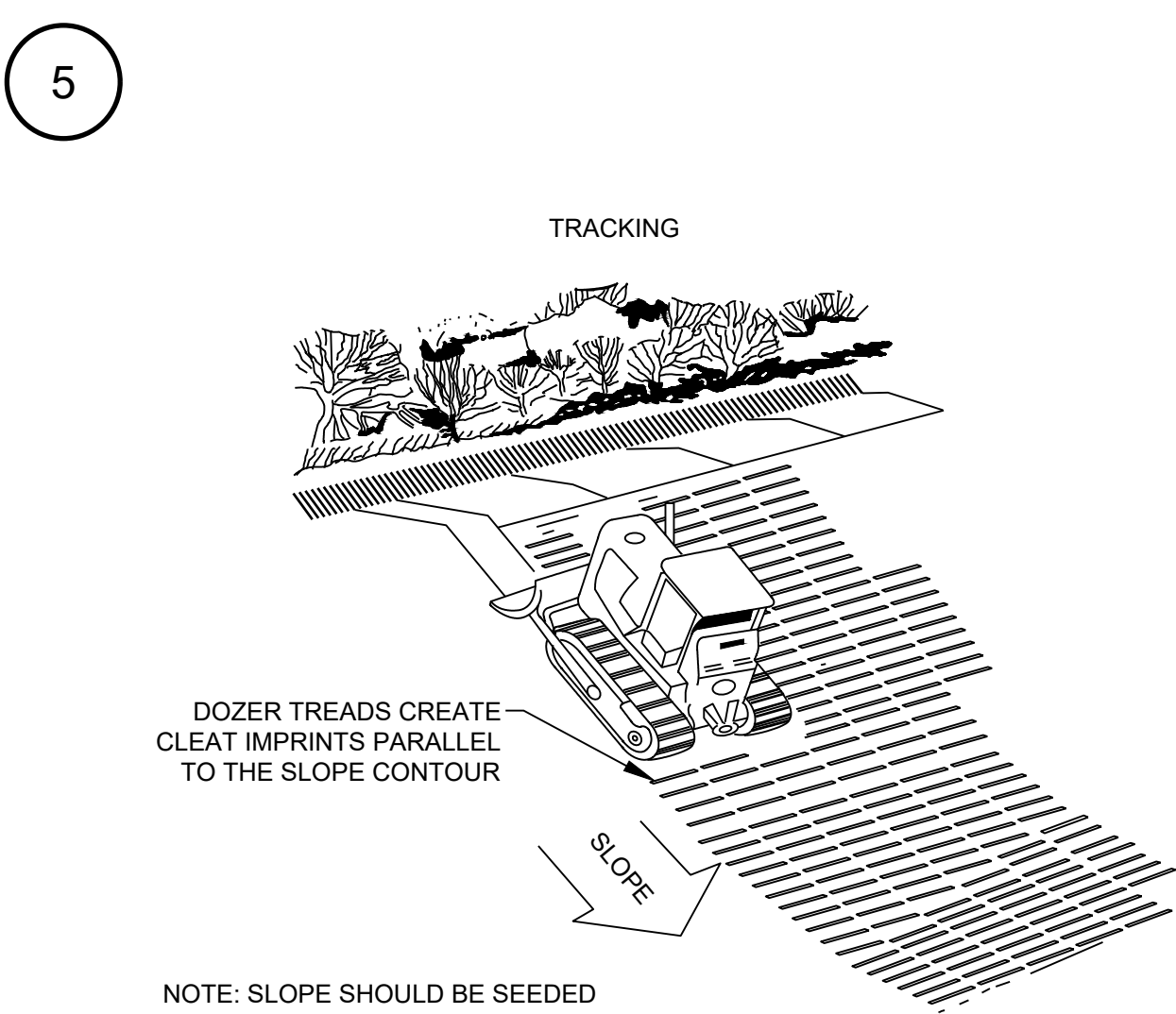
REINFORCED SILT FENCE (AS NEEDED)

SCALE: NOT TO SCALE



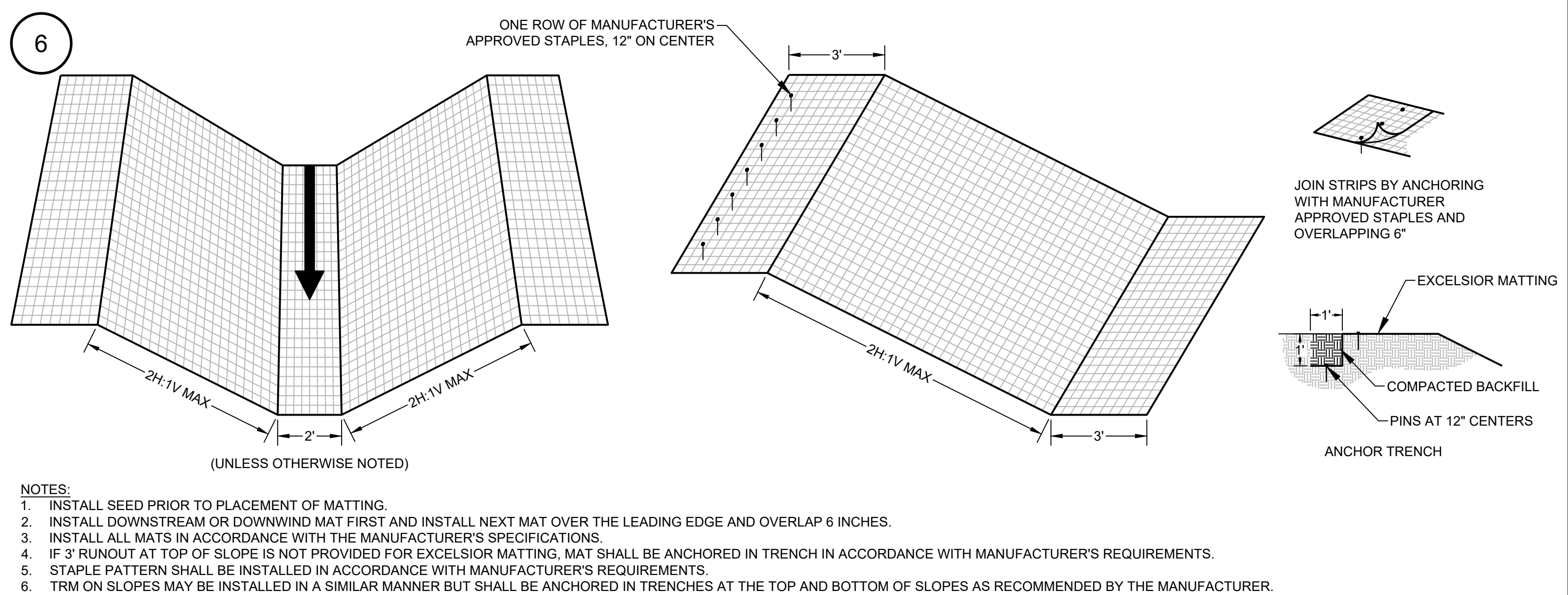
CHECK DAM (AS NEEDED)

SCALE: NOT TO SCALE



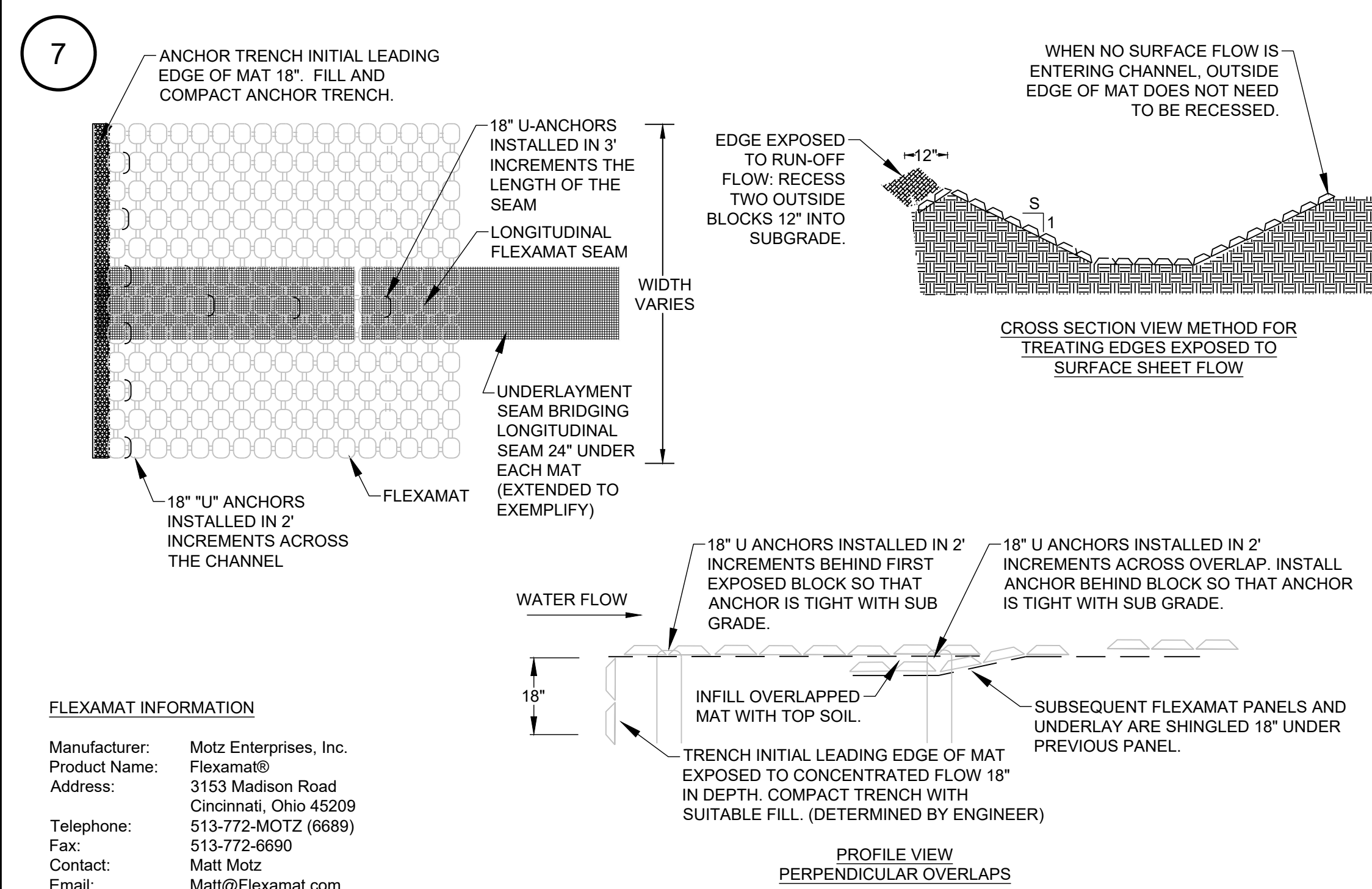
SURFACE ROUGHENING

SCALE: NOT TO SCALE

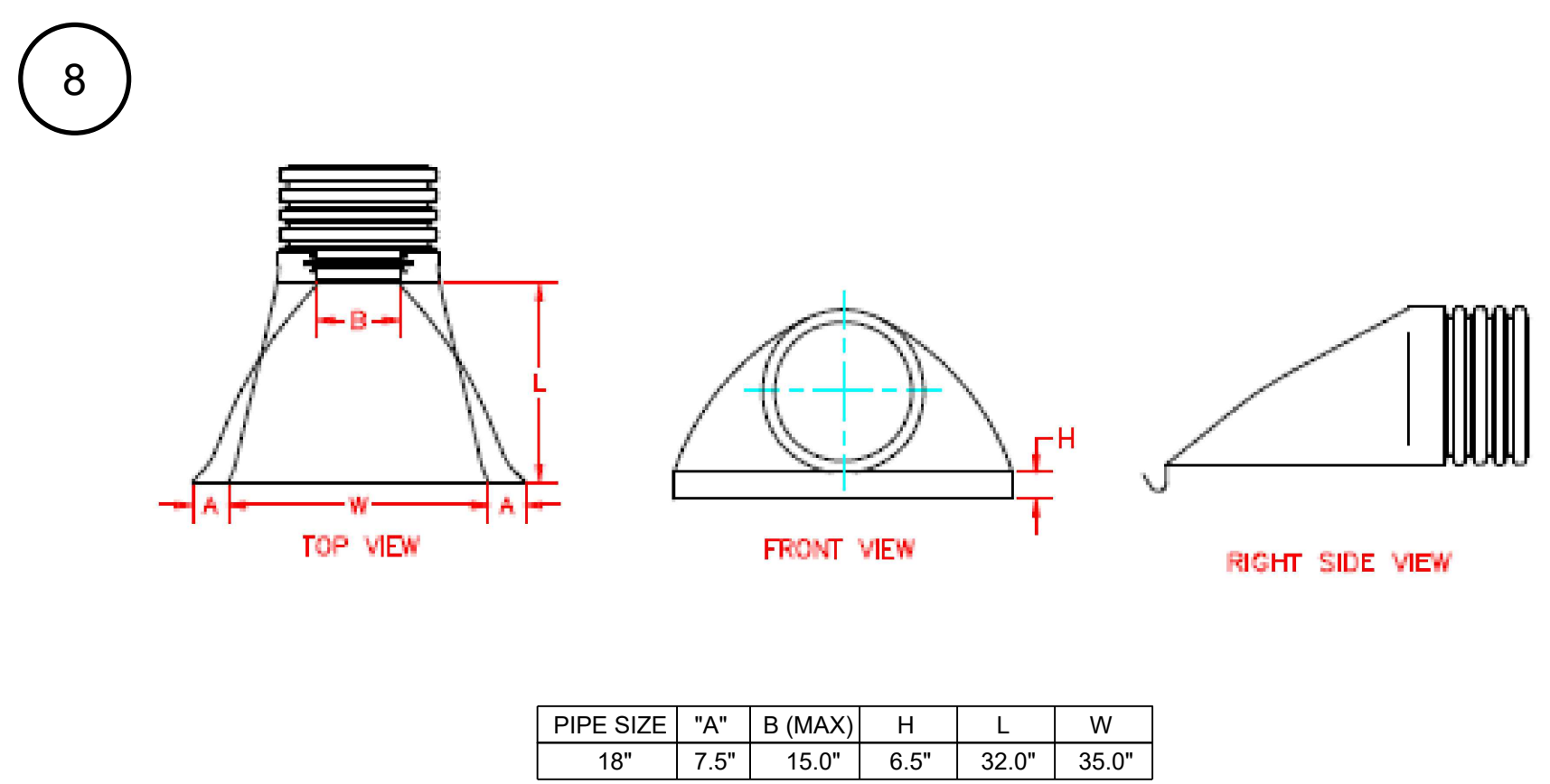


SLOPE STABILIZATION AND TEMPORARY DITCH LINING (EXCELSIOR WOOD FIBER MATTING)

SCALE: NOT TO SCALE



- CONSTRUCTION NOTES:
- GRADE CHANNEL SO THAT WATER WILL FLOW DOWN THE CENTER OF THE CHANNEL AND BE CONTAINED TO THE CHANNEL. ALL SUBGRADE SURFACES PREPARED FOR PLACEMENT OF MATS SHALL BE SMOOTH AND FREE OF ALL ROCKS, STICKS, ROOTS, OTHER PROTRUSIONS, OR DEBRIS OF ANY KIND. THE PREPARED SURFACE SHALL PROVIDE A FIRM UNYIELDING FOUNDATION FOR THE MATS WITH NO SHARP OR ABRUPT BREAKS IN THE GRADE.
 - MANUFACTURE'S REP SHALL BE ON SITE DURING FLEXAMAT (OR EQUAL) INSTALLATION.
 - APPLY SEED DIRECTLY TO THE PREPARED SOIL PRIOR TO FLEXAMAT INSTALLATION. USE SEED PER PROJECT SPECIFICATIONS.
 - INSTALL FLEXAMAT ROLLS. AVAILABLE WIDTHS ARE 4', 5.5', 8', 10', 12', & 16' AVAILABLE IN CUSTOM LENGTHS.
 - FOR WIDTHS WIDER THAN 16', INSTALL MATS ADJACENT TO ONE ANOTHER. BRIDGE LONGITUDINAL SEAM WITH 48" UNDERLAYMENT. 24" OF UNDERLAYMENT SHALL BE UNDER EACH MAT AND DIRECTLY AGAINST THE SUBGRADE.
 - INSTALL 48" WIDE GEOGRID SEAM OVER 48" UNDERLAYMENT SEAM.
 - FLIP FLEXAMAT SECTIONS BACK INTO PLACE SO THAT THEY FIT TIGHTLY.
 - SECURE FLEXAMAT TO SEAM BY INSTALLING 18" U-ANCHORS IN 3' INCREMENTS THE LENGTH OF THE LONGITUDINAL SEAM. U-ANCHORS CONSIST OF #3 REBAR SHAPED INTO A U WITH 18" LEGS.
 - AT THE BEGINNING OF CHANNEL, THE INITIAL LEADING EDGE OF FLEXAMAT EXPOSED TO CONCENTRATED FLOWS SHALL BE EMBEDDED 18" VERTICALLY INTO THE SUB GRADE TO SERVE AS AN ANCHOR TRENCH. THE TRENCH SHALL BE FILLED AND COMPACTED WITH SUITABLE FILL OR OTHER (AS SPECIFIED BY ENGINEER). INSTALL 18" U-ANCHORS DIRECTLY BEHIND FIRST ROW OF BLOCKS EXTENDING FROM ANCHOR TRENCH.
 - FOR ADDITIONAL SECTIONS OF MAT, OVERLAP THE DOWNSTREAM SECTION 18" WITH UPSTREAM SECTION OF MAT. PRIOR TO INSTALLING OVERLAP, FLIP UPSTREAM MAT BACK 24". EXCAVATE 2.25' OF SOIL 18" FROM END OF UPSTREAM MAT. DOWNSTREAM SECTION IS LAID IN THE SHALLOW TRENCH. LIGHTLY SPREAD TOPSOIL OVER INITIAL EDGE. FLIP END OF UPSTREAM MAT OVER THE SOIL COVERED INITIAL LEADING EDGE OF DOWNSTREAM MAT.
 - INSTALL 18" U-ANCHORS IN 2' INCREMENTS ACROSS THE OVERLAP. INSTALL ANCHORS DIRECTLY BEHIND BLOCKS.
 - AT THE END OF THE ARMORED CHANNEL, EMBED THE MAT 18" IN A TERMINATION TRENCH. FILL AND COMPACT TERMINATION TRENCH WITH SOIL.



PLASTIC FLARED END SECTIONS

SCALE: NOT TO SCALE

PIPE SIZE	"A"	B (MAX)	H	L	W
18"	7.5"	15.0"	6.5"	32.0"	35.0"

- NOTES:
- ALL DIMENSIONS ARE NOMINAL.
 - METAL THREADED FASTENING ROD SHALL BE STAINLESS STEEL.
 - FLARED END SECTION SHALL BE HIGH DENSITY POLYETHYLENE.



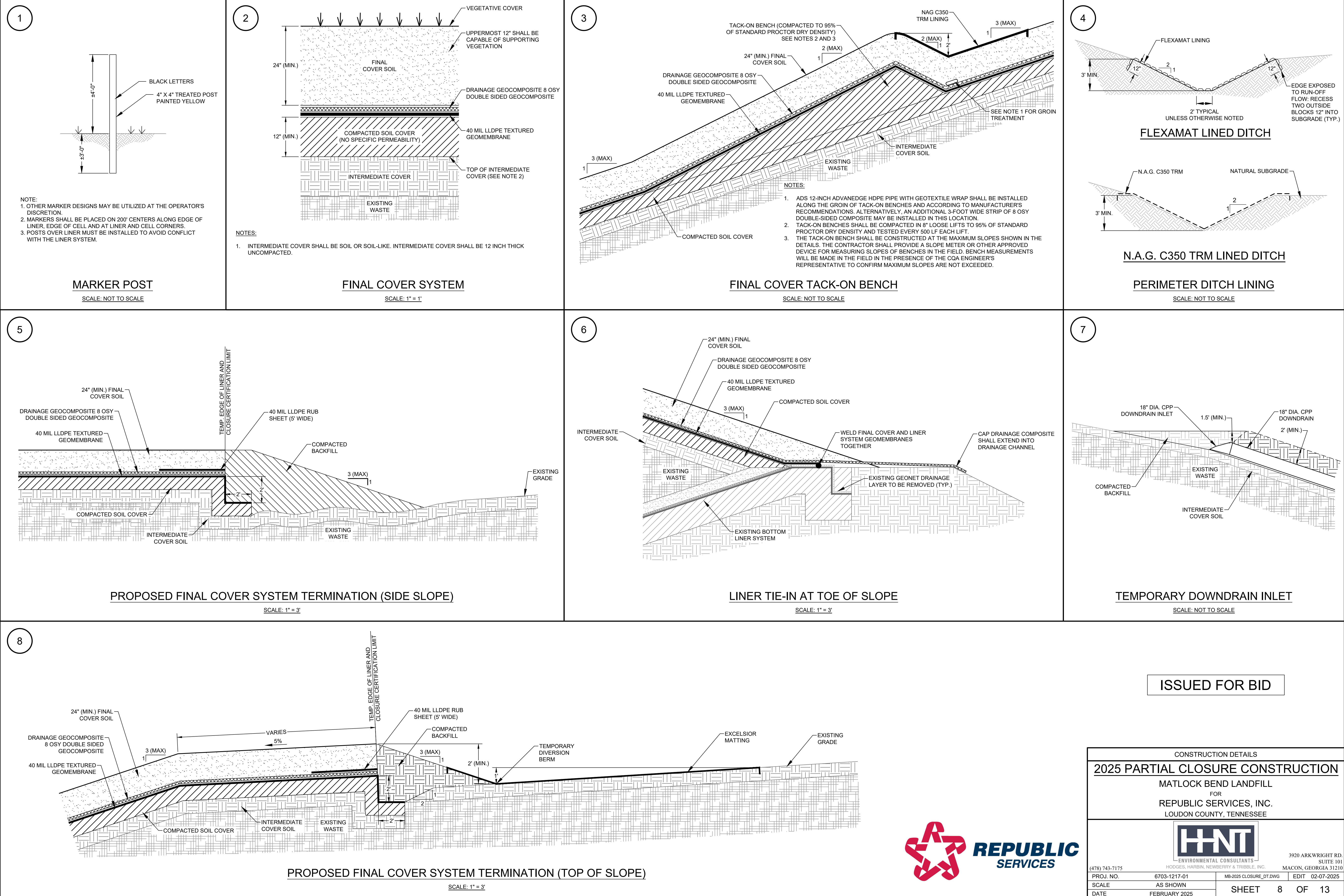
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CONSTRUCTION DETAILS			
2025 PARTIAL CLOSURE CONSTRUCTION			
MATLOCK BEND LANDFILL FOR REPUBLIC SERVICES, INC. LOUDON COUNTY, TENNESSEE			
		3920 ARKWRIGHT RD. SUITE 101 MACON, GEORGIA 31210	
(478) 743-7175		HODGES, HARBIN, NEWBERRY & TRIBBLE, INC.	
PROJ. NO.	6703-1217-01	MB-2025 CLOSURE_DT.DWG	EDIT 02-07-2025
SCALE	AS SHOWN	SHEET 7 OF 13	
DATE	FEBRUARY 2025		

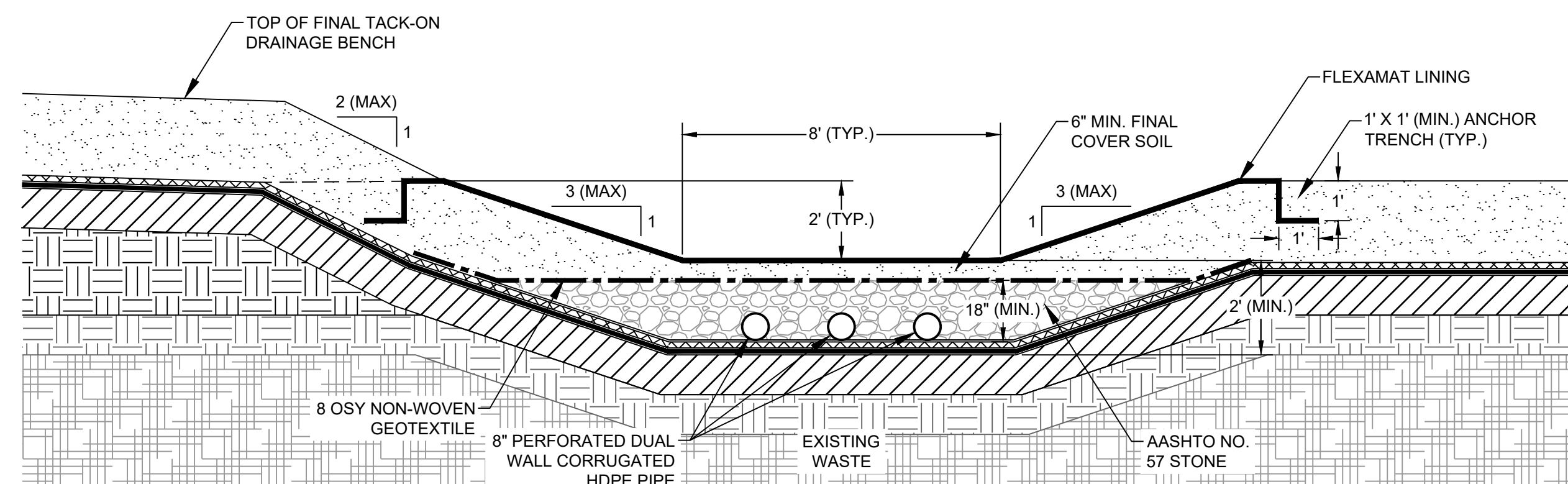
FLEXAMAT INFORMATION

Manufacturer: Motz Enterprises, Inc.
Product Name: Flexamat®
Address: 3153 Madison Road
Cincinnati, Ohio 45209
Telephone: 513-772-MOTZ (6689)
Fax: 513-772-6690
Contact: Matt Motz
Email: Matt@Flexamat.com
Website: www.Flexamat.com

FLEXAMAT®
SCALE: NOT TO SCALE



1



SECTION B-B



SCALE: 1" = 3'

2



SCALE: 1" = 3'

3



SCALE: 1" = 10'

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SCALE: 1" = 1'

SCALE: NOT TO SCALE

PERFORATED HDPE SDR 21 COLLECTION PIPE

2 ROWS OF 1/2" DIA. PERFORATIONS SPACED ON 6" CENTERS

45°

45°

SCALE: NOT TO SCALE

PROTECTIVE SCREEN OVER OPENING-1/4" WIRE MESH

4" 180 DEG. BEND

6"

4" SCH. 40 PVC STAND PIPE

STAINLESS STEEL BAND

VEGETATIVE COVER

UPPERMOST 12" SHALL BE CAPABLE OF SUPPORTING VEGETATION

DRAINAGE GEOCOMPOSITE 8 OZ/yd² DOUBLE SIDED GEOCOMPOSITE

40 MIL LLDPE TEXTURED GEOMEMBRANE

TOP OF INTERMEDIATE COVER (SEE NOTE 2)

INTERMEDIATE COVER

EXISTING WASTE

#57 WASHED LESTONE OR EQUIVALENT

LLDPE BOOT

EXTRUSION WELD

6" MIN

FINAL COVER SOIL

COMPACTED SOIL COVER (NO SPECIFIC PERMEABILITY)

12"

INTERMEDIATE COVER

NOTES:

1. 12" X 8" X 8" ROCK POCKET TO BE INSTALLED IN INTERMEDIATE COVER LAYER.
2. GAS VENT SHALL BE INSTALLED ON AN APPROXIMATE 200' X 200' (MAX.) GRID

- NOTES:
1. 12" X 8' X 8' ROCK POCKET TO BE INSTALLED IN INTERMEDIATE COVER LAYER.
 2. GAS VENT SHALL BE INSTALLED ON AN APPROXIMATE 200' X 200' (MAX.) GRID SPACING.

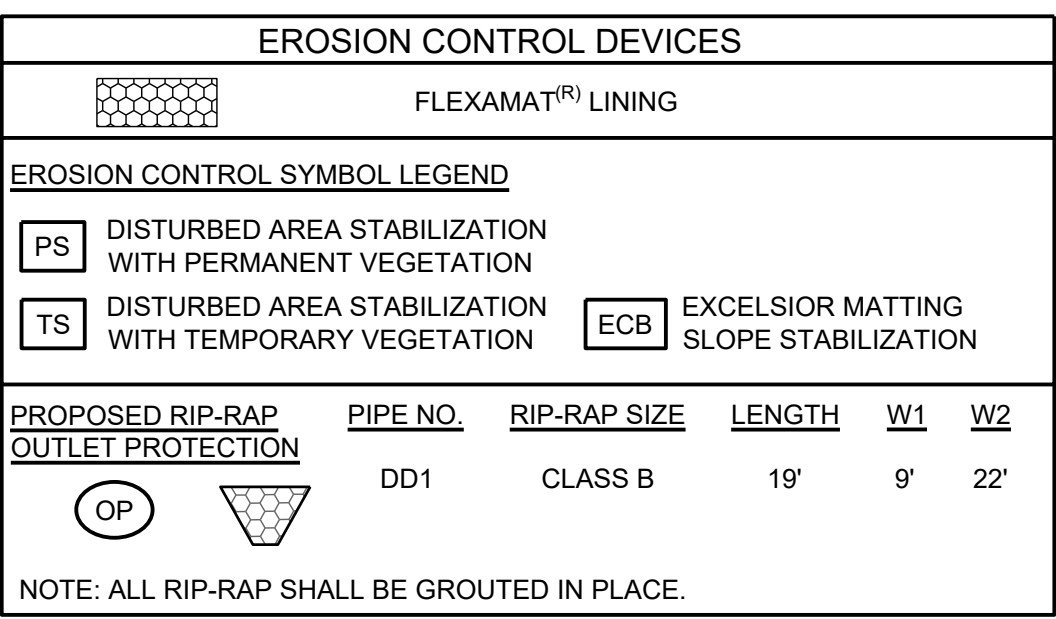
SCALE: NOT TO SCALE

1. THE GAS SYSTEM DESIGN ON THIS PLAN SHEET HAS BEEN TAKEN FROM THE APPROVED MATLOCK BEND LANDFILL PART II - EXPANSION PLANS BY CEC, INC.
2. TRENCHES TO BE SPACED NOT MORE THAN 200 FT. ON CENTERS AND WILL GENERALLY BE ORIENTED PERPENDICULAR TO THE CONTOURS
3. GAS COLLECTION PIPING WILL BE CONNECTED TO THE PASSIVE GAS VENTS AT REGULAR INTERVALS.
4. THE LOCATION OF THE PASSIVE GAS VENTS MAY VARY TO COORDINATE WITH THE TRENCH TIE-INS. SUCH VARIATION WILL NOT RESULT IN INCREASED SPACING NOR COVERAGE AREA THAN WHAT IS SHOWN.
5. THE GAS VENTING SYSTEM INDICATED IN THIS PERMIT DRAWING PACKAGE IS FOR A PASSIVE GAS SYSTEM WHICH MEETS THE CURRENT REGULATORY REQUIREMENTS FOR THIS FACILITY.
6. AN ACTIVE GAS SYSTEM MAY BE DESIGNED AND INSTALLED AT THIS FACILITY IN THE FUTURE. WHETHER VOLUNTARILY OR REQUIRED BY REGULATIONS.
7. OWNER'S GAS CONSULTANT SHALL CONFIRM GAS SYSTEM IS SUFFICIENT TO PREVENT CAP UPLIFT PRIOR TO CONSTRUCTION.

ISSUED FOR BID



CONSTRUCTION DETAILS			
2025 PARTIAL CLOSURE CONSTRUCTION			
MATLOCK BEND LANDFILL FOR REPUBLIC SERVICES, INC. LOUDON COUNTY, TENNESSEE			
 HOOGES, HARBIN, NEWBERRY & TRIBBLE, INC.		3920 ARKWRIGHT RD. SUITE 101 MACON, GEORGIA 31210	
(478) 743-7175	MB-2025 CLOSURE_DT.DWG	EDIT	02-07-2025
PROJ. NO. 6703-1217-01	SHEET 10 OF 13		
SCALE AS SHOWN			
DATE FEBRUARY 2025			



1. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.
2. EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLANS DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
3. THE EROSION CONTROL MEASURES SHOWN ON THIS SHEET ARE CONSIDERED THE MINIMUM MEASURES THAT WILL BE USED. SHOULD ADDITIONAL EROSION CONTROL MEASURES BE REQUIRED BY THE ENGINEER OR LOCAL REGULATORY AGENCY, THEY WILL BE INSTALLED IN ACCORDANCE WITH THE TENNESSEE EROSION & SEDIMENT CONTROL HANDBOOK, LATEST EDITION.
4. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
5. STRIPPING OF VEGETATION, CLEARING, GRADING, AND OTHER LAND DISTURBING ACTIVITIES SHALL BE CONDUCTED TO MINIMIZE EROSION.
6. NO NON-STORMWATER DISCHARGES WILL BE ALLOWED DURING THIS PROJECT.
7. SOIL IS NOT TO BE STOCKPILED WITHIN 25 FEET OF THE EDGE OF ANY TRENCH EXCAVATION.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL STORMWATER MANAGEMENT THROUGHOUT THE DURATION OF THE PROJECT.

1. EXISTING TOPOGRAPHICAL INFORMATION TAKEN FROM AN AERIAL SURVEY PROVIDED BY FIRMATEK, DATED 08-28-2024.
2. THE DESIGN / ENGINEERING WORK SHOWN ON THIS SHEET IS EXCLUSIVELY BASED ON THE TOPOGRAPHY, EXISTING CONDITIONS, OR DESIGNATIONS OR OTHERS AS REFERENCED. SHOULD ANY OF THE EXISTING CONDITIONS OR TOPOGRAPHY BE FOUND TO BE DIFFERENT OR CHANGED, THE DESIGN ENGINEER THAT PREPARED THIS PLAN SHOULD BE CONTACTED PRIOR TO CONSTRUCTING / IMPLEMENTING THIS DESIGN, AND TO DETERMINE IF DESIGN REVISIONS ARE REQUIRED.
3. THE ENGINEER THAT PREPARED THIS DRAWING HAS ASSUMED THAT THE CONSTRUCTION WILL BE PERFORMED IN ACCORDANCE WITH THE ENGINEERING INTENT AND COMPLETE CONSTRUCTION SPECIFICATIONS WILL BE PREPARED TO ACCOMPANY THE DRAWINGS. THE ENGINEER EXPECTS THAT HE WILL BE INVOLVED WITH, PROVIDED AN OPPORTUNITY TO REVIEW, AND INSPECT PRODUCTS AND CONSTRUCTION OF THE IMPROVEMENTS SHOWN ON THIS PLAN SHEET IN ORDER TO CONFIRM THAT THE CONSTRUCTION OF THE IMPROVEMENTS ARE INSTALLED IN ACCORDANCE WITH DESIGN CONCEPTS. SHOULD THE DESIGN ENGINEER NOT BE INVOLVED WITH CONSTRUCTION, HE WILL NOT BE LIABLE FOR CHANGES IN CONDITIONS OR FIELD CONDITIONS THAT MAY AFFECT THE DESIGN.

1. CONTRACTOR IS RESPONSIBLE FOR CONTINUOUSLY PROTECTING WORK FROM STORMWATER IMPACTS, INCLUDING MAINTENANCE OF EXISTING CONTROLS AND INSTALLATION OF NEW CONTROL MEASURES. ALL PROPOSED IMPROVEMENTS SHOWN ON THESE DRAWINGS SHALL BE CONSIDERED THE MINIMUM REQUIRED.
2. THE DESIGN OF THIS BASIN IS INTENDED TO MEET THE REQUIREMENTS FOR BASINS IN THE TENNESSEE DIVISION OF SOLID WASTE MANAGEMENT REGULATIONS, RULE 0400-11-01-04(2)(i).
3. THE INTERIOR AND EXTERIOR SIDE SLOPE SURFACE AREA OF PROPOSED BASIN SHALL BE SEEDED, FERTILIZED AND COVERED WITH EROSION-CONTROL MATTING.
4. CLEAN-OUT ELEVATION IN BASIN IS TO BE ESTABLISHED AT 847.0 FT. WITHIN BASIN AND 851.0 FT. IN FOREBAY.
5. CLEAR PROPOSED POND LOCATION OF ALL TOPSOIL, VEGETATION INCLUDING TREES AND STUMPS. FILL ALL STUMP HOLES AND CREVICES WITH LOW-PERMEABILITY SOILS.
6. SCARIFY POND BASE SOILS TO A DEPTH OF 8-10 INCHES WITH A DISK, ROTO-TILLER OR OTHER SIMILAR EQUIPMENT. REMOVE ALL ROCKS AND TREE ROOTS.
7. COMPACT THE SOIL SUB-GRADE MAKING 4-6 PASSES WITH A SHEEPSFOOT ROLLER OVER THE SCARIFIED LAYER, ADDING MOISTURE AS NEEDED TO MAXIMIZE COMPACTION.

SCALE: 1" = 30'



SIZE (CMP PIPE DIA.) (IN)	48"
HEIGHT (FT)	8.30
INVERT ELEVATION (TOP OF BASE) (FT)	850.50
TOP OF PRINCIPAL SPLITWAY ELEVATION (FT)	858.80
ANTI-FLOTATION CONCRETE BASE DIMENSIONS (L X W X H) (FT)	6' x 6' x 3'
SURFACE DEWATERING SKIMMER (NUMBER - DIAMETER)	1 - 6.5"
INVERT ELEVATION FOR SURFACE DEWATERING SKIMMER (FT)	850.80

DIAMETER (IN)	36"
LENGTH (FT)	83'
SLOPE (%)	4.22%
INLET INVERT ELEVATION (FT)	850.50
OUTLET INVERT ELEVATION (FT)	847.00
NO. & SIZE OF ANTI-SEEP COLLARS (FT)	2 - 7.5' x 7.5'
CARRIER PIPE ENCASEMENT (L x W x H) (FT)	10' x 4' x 4'

1. PROVIDE PERMANENT STAKE OR POST MONUMENT IN WET POOL AREA THAT SHALL BE MARKED AT THE CLEAN-OUT ELEVATION. POND SHALL BE CLEANED AS DEEMED NECESSARY BY ON-SITE INSPECTIONS.
2. BERM SOIL MATERIAL SHALL BE PLACED UNDER THE SUPERVISION OF A TN REGISTERED PROFESSIONAL GEOTECHNICAL ENGINEER. MINIMUM REQUIREMENTS FOR PLACEMENT OF SOIL FOR BERM CONSTRUCTION IS TO REMOVE ALL ORGANICS (TOP SOIL), VEGETATION, TREES, STUMPS, ETC. AND SCARIFY SURFACE 8-10 INCHES. PLACE BERM SOIL IN 8" LOOSE LIFTS, COMPACTED TO 95% STANDARD PROCTOR DENSITY. ± 3% OF OPTIMUM SOIL USED FOR BERM CONSTRUCTION SHALL BE CLASSIFIED AS CLAY SOILS AND APPROVED BY THE GEOTECHNICAL ENGINEER SUPERVISING CONSTRUCTION.
3. USE T.D.O.T. CLASS A-1 STONE (COMPACTED) FOR SKIMMER PAD BEDDING WITH 80SY GEOTEXTILE UNDERLAY. (18" THICK).
4. BOTH RIDER AND BARREL OF PRINCIPAL SPILLWAY SHALL BE POLYMER-COATED CORRUGATED METAL PIPE.
5. SEED, FERTILIZE AND MULCH BERM TOP AND SIDE SLOPES TO PROMOTE VEGETATIVE STABILIZATION. COVER SIDE SLOPES WITH NORTH AMERICAN GREEN (NAG) OR EQUIV. MATTING.
6. FOR SKIMMER STABILITY AND MAINTENANCE, PROVIDE POLYESTER ANCHOR ROPE, ≥30 FEET IN LENGTH. SECURE ROPE TO T-POST AND TO SKIMMER PVC FLOAT. ROPE MUST BE TAUT BETWEEN POST AND SKIMMER WHEN SKIMMER IS AT RESTING POSITION ON PAD.



HNT
-ENVIRONMENTAL CONSULTANTS

3920 ARKWRIGHT RD.
SUITE 101
MACON, GEORGIA 31210

(478) 743-7175

3-1217-01

HODGES, HARBIN, NEWBERRY & TRIBBLE, INC

MACON, GEORGIA 31210

PROJ. NO.

6703-1217-01

MB-2025 CLOSURE BASIN.DWG

EDIT 02-07-2025

SCALE

AS SHOWN

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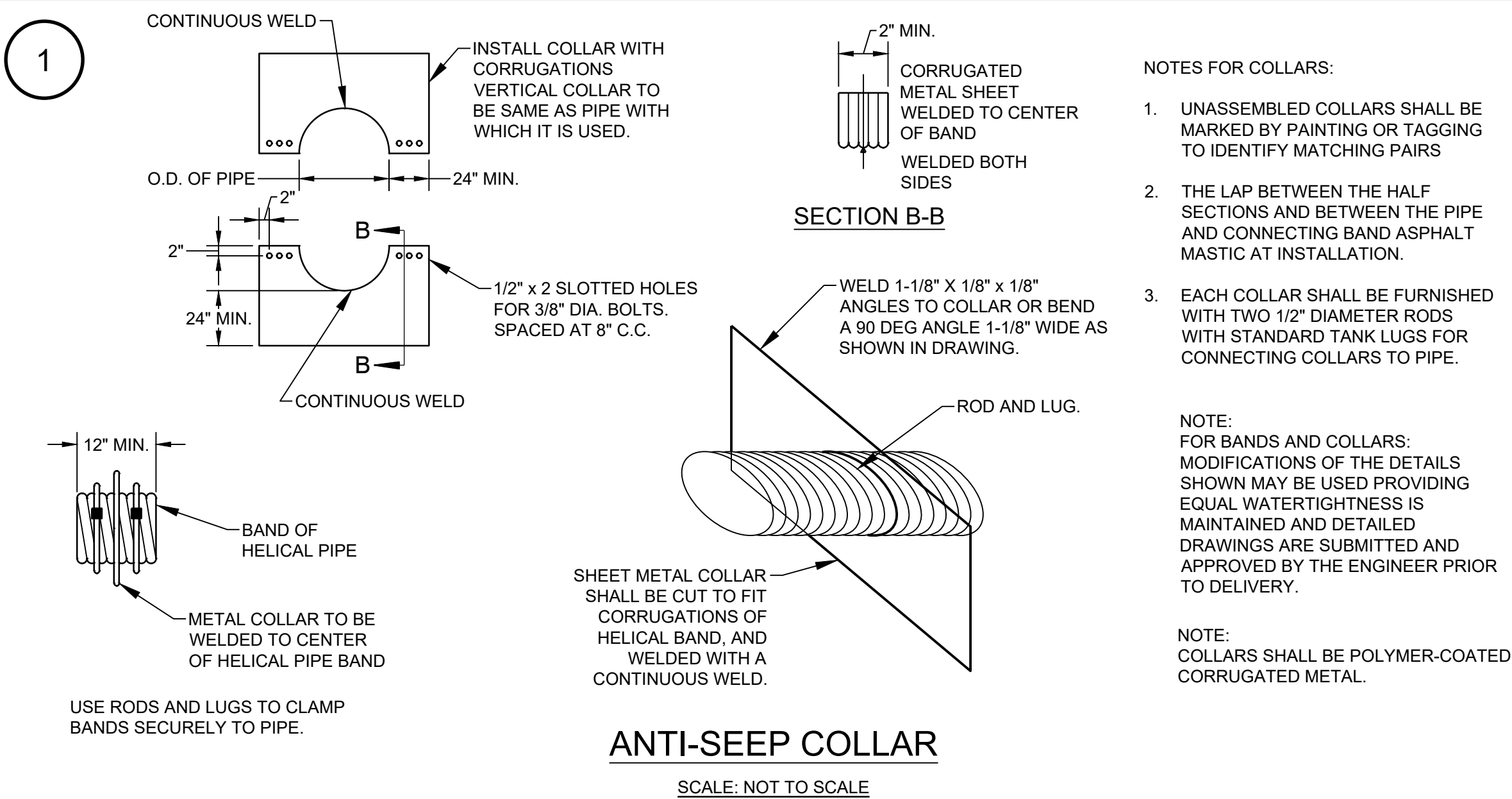
DATE _____

FEBRUARY 202

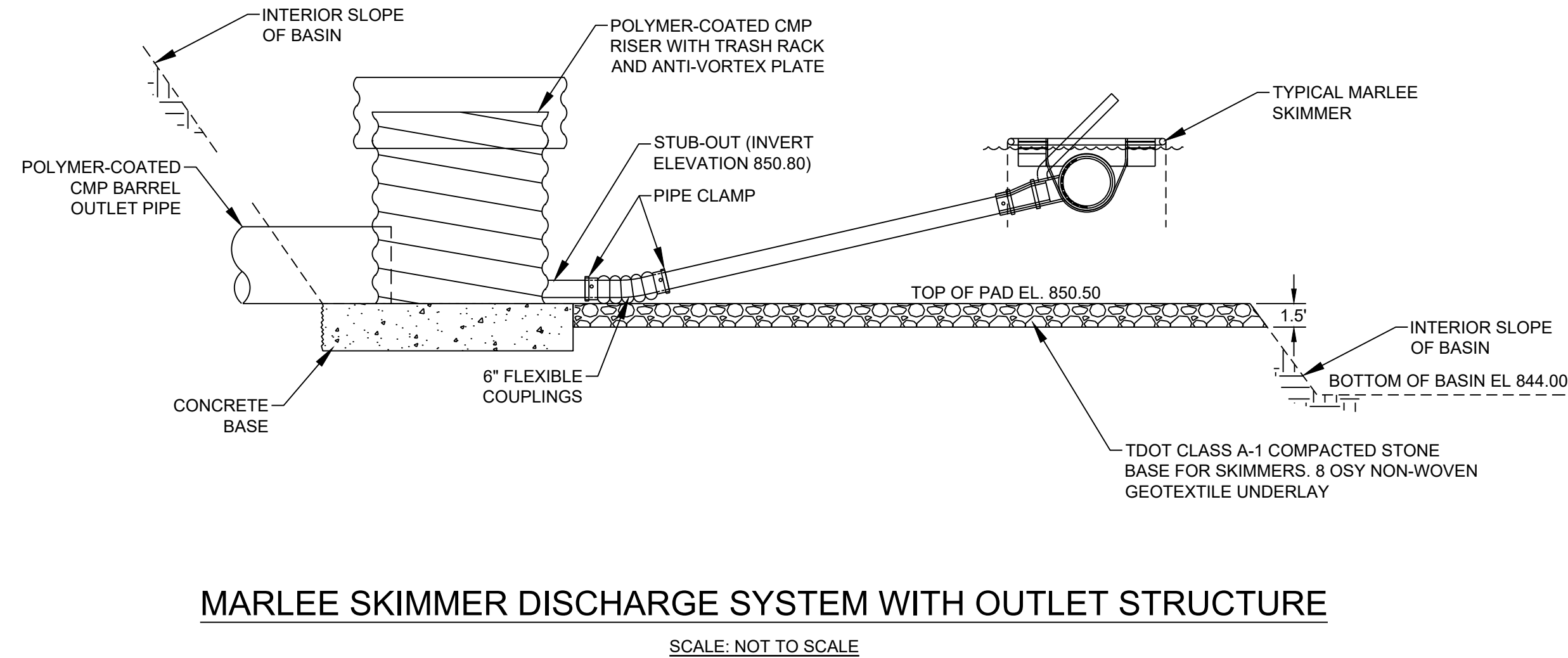
SHEET 11 OF 13

SCALE: 1" = 5'

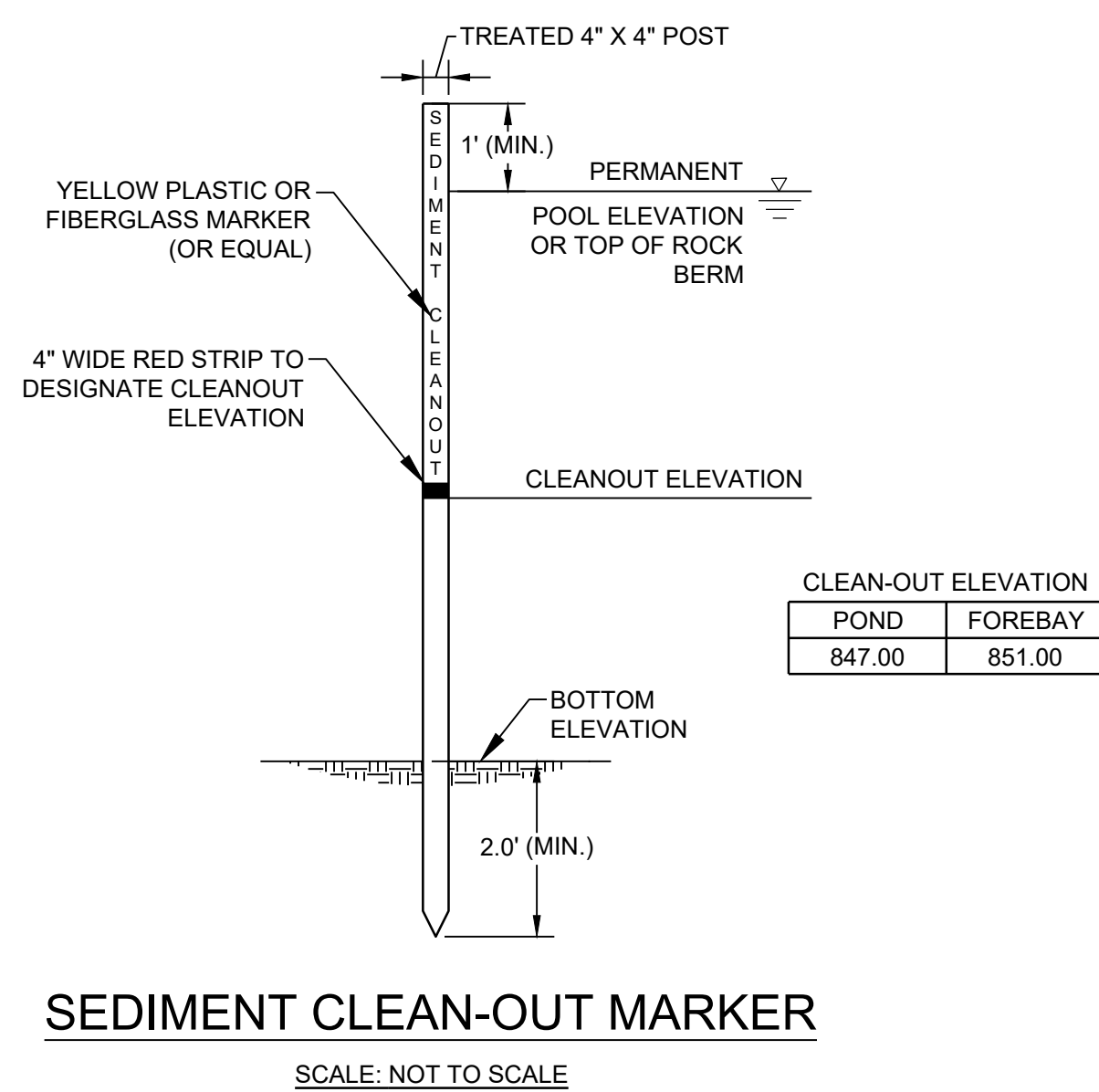
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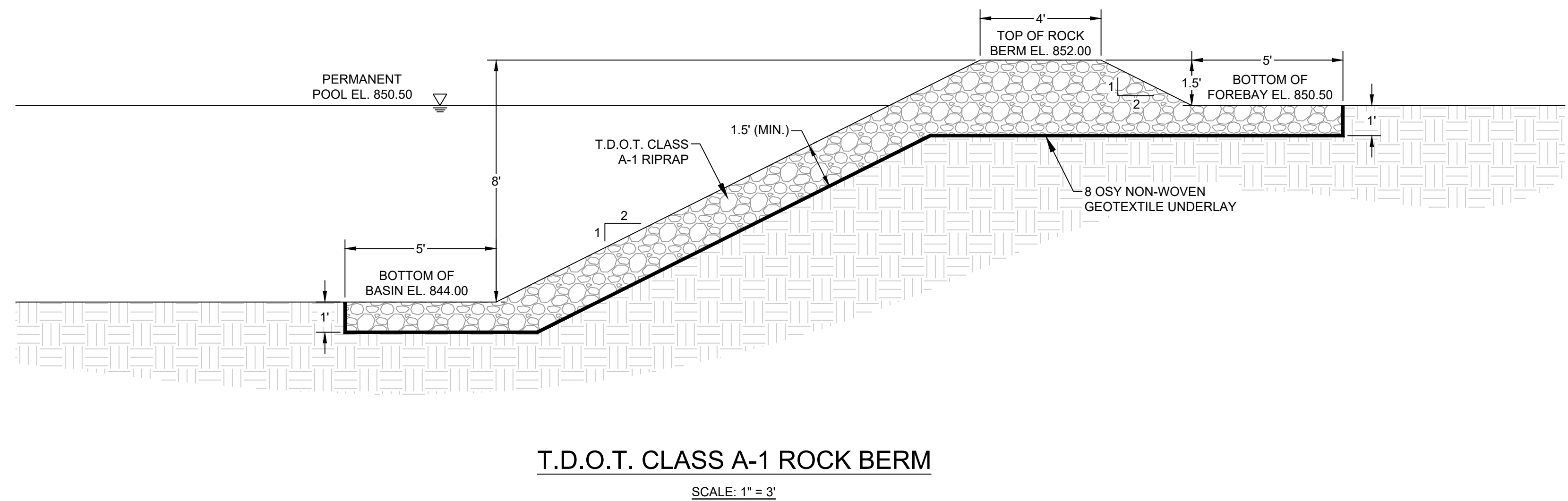
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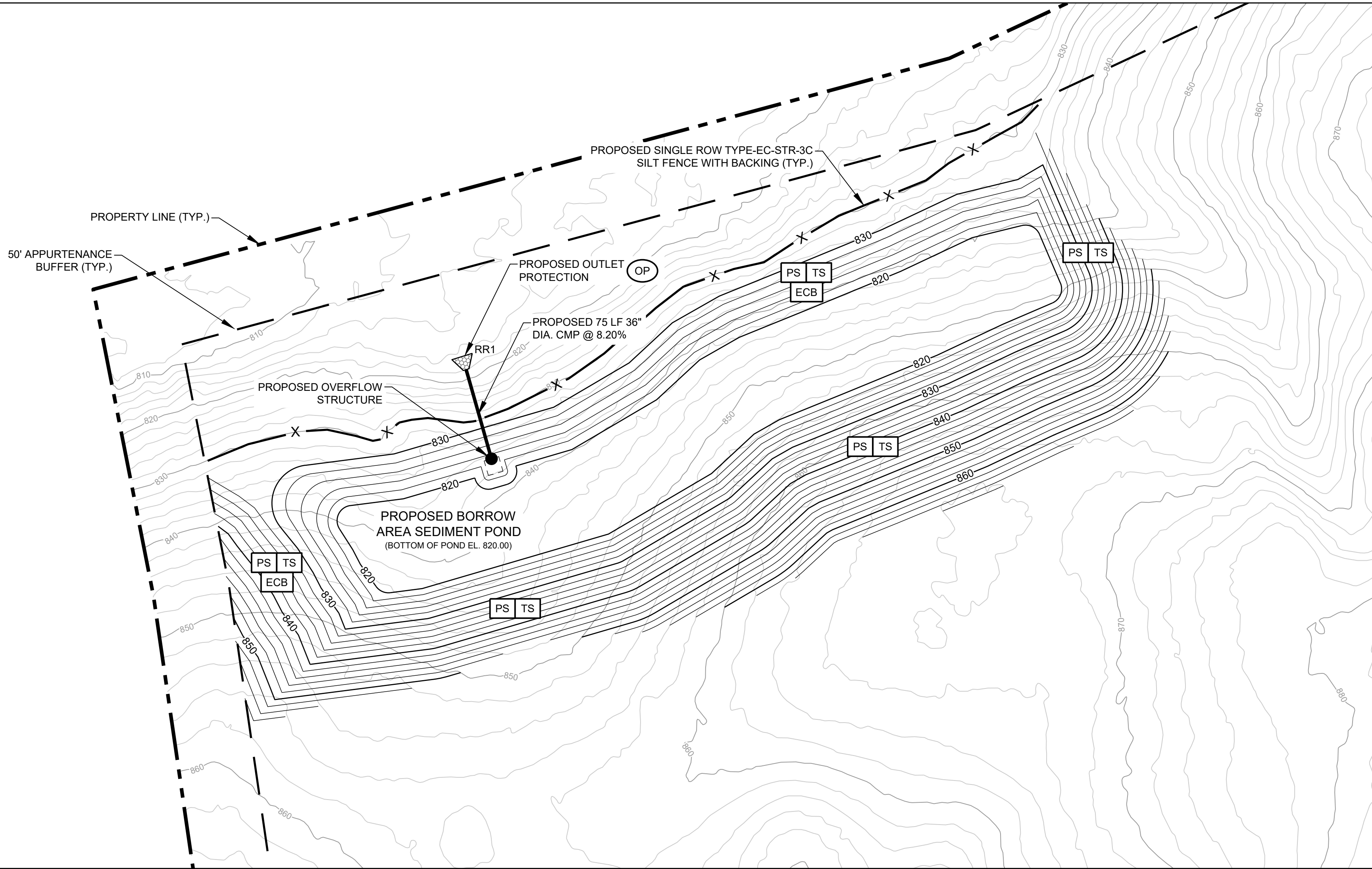
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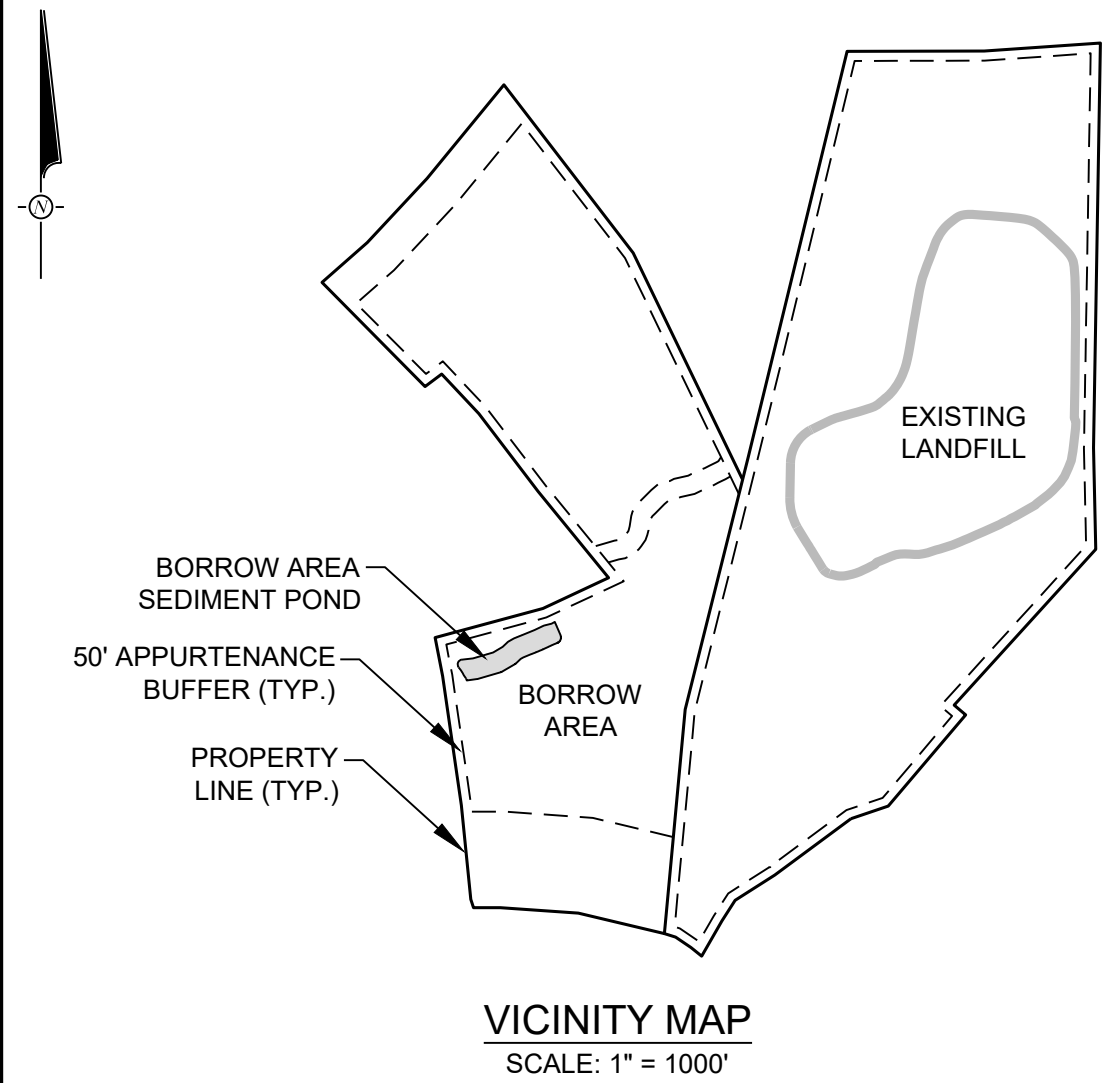
SEDIMENT BASIN 2 IMPROVEMENTS			
2025 PARTIAL CLOSURE CONSTRUCTION			
MATLOCK BEND LANDFILL			
FOR			
REPUBLIC SERVICES, INC.			
LOUDON COUNTY, TENNESSEE			
		3920 ARKWRIGHT RD. SUITE 101 MACON, GEORGIA 31210	
(478) 743-7175		HODGES, HARBIN, NEWBERRY & TRIBBLE, INC.	
PROJ. NO.	6703-1217-01	MB-2025 CLOSURE_BASIN.DWG	EDIT 02-07-2025
SCALE	AS SHOWN	SHEET 12 OF 13	
DATE	FEBRUARY 2025		



EROSION CONTROL NOTES:

1. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.
2. EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLANS DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
3. THE EROSION CONTROL MEASURES SHOWN ON THIS SHEET ARE CONSIDERED THE MINIMUM MEASURES THAT WILL BE USED. SHOULD ADDITIONAL EROSION CONTROL MEASURES BE REQUIRED BY THE ENGINEER OR LOCAL REGULATORY AGENCY, THEY WILL BE INSTALLED IN ACCORDANCE WITH THE TENNESSEE EROSION & SEDIMENT CONTROL HANDBOOK, LATEST EDITION.
4. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
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7. SOIL IS NOT TO BE STOCKPILED WITHIN 25 FEET OF THE EDGE OF ANY TRENCH EXCAVATION.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL STORMWATER MANAGEMENT THROUGHOUT THE DURATION OF THE PROJECT.

EROSION CONTROL DEVICES					
X PROPOSED SINGLE ROW TYPE-EC-STR-3C SILT FENCE WITH BACKING					
EROSION CONTROL SYMBOL LEGEND					
PS	DISTURBED AREA STABILIZATION WITH PERMANENT VEGETATION				
TS	DISTURBED AREA STABILIZATION WITH TEMPORARY VEGETATION				
ECB	EXCELSIOR MATTING SLOPE STABILIZATION				
PROPOSED RIP-RAP OUTLET PROTECTION	PIPE NO.	RIP-RAP SIZE	LENGTH	W1	W2
OP	RR1	CLASS B	19'	9'	22'
NOTE: ALL RIP-RAP SHALL BE GROUTED IN PLACE.					



GENERAL NOTES:

1. EXISTING TOPOGRAPHICAL INFORMATION TAKEN FROM AN AERIAL SURVEY PROVIDED BY FIRMATEK, DATED 08-28-2024.
2. THE DESIGN / ENGINEERING WORK SHOWN ON THIS SHEET IS EXCLUSIVELY BASED ON THE TOPOGRAPHY, EXISTING CONDITIONS, OR DESIGNS BY OTHERS AS REFERENCED. SHOULD ANY OF THE EXISTING CONDITIONS OR TOPOGRAPHY BE FOUND TO BE DIFFERENT OR CHANGED, THE DESIGN ENGINEER THAT PREPARED THIS PLAN SHOULD BE CONTACTED PRIOR TO CONSTRUCTING / IMPLEMENTING THIS DESIGN, AND TO DETERMINE IF DESIGN REVISIONS ARE REQUIRED.
3. THE ENGINEER THAT PREPARED THIS DRAWING HAS ASSUMED THAT THE CONSTRUCTION WILL BE PERFORMED IN ACCORDANCE WITH THE ENGINEERING INTENT AND COMPLETE CONSTRUCTION SPECIFICATIONS WILL BE PREPARED TO ACCOMPANY THE DRAWINGS. THE ENGINEER EXPECTS THAT HE WILL BE INVOLVED WITH, PROVIDED AN OPPORTUNITY TO REVIEW, AND INSPECT PRODUCTS AND CONSTRUCTION OF THE IMPROVEMENTS SHOWN ON THIS PLAN SHEET IN ORDER TO CONFIRM THAT THE CONSTRUCTION OF THE IMPROVEMENTS ARE INSTALLED IN ACCORDANCE WITH DESIGN CONCEPTS. SHOULD THE DESIGN ENGINEER NOT BE INVOLVED WITH CONSTRUCTION, HE WILL NOT BE LIABLE FOR CHANGES IN CONDITIONS OR FIELD CONDITIONS THAT MAY AFFECT THE DESIGN.

SHEET NOTES:

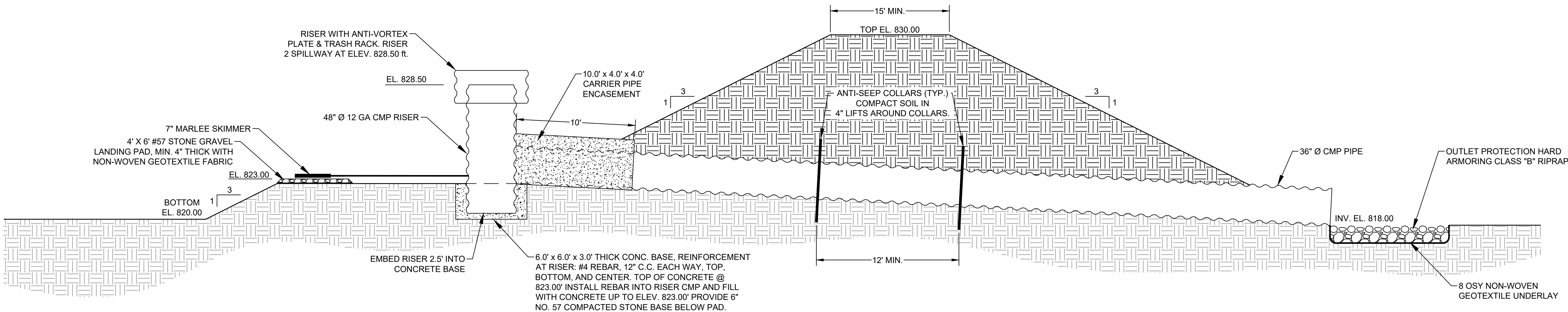
1. CONTRACTOR IS RESPONSIBLE FOR CONTINUOUSLY PROTECTING WORK FROM STORMWATER IMPACTS, INCLUDING MAINTENANCE OF EXISTING CONTROLS AND INSTALLATION OF NEW CONTROL MEASURES. ALL PROPOSED IMPROVEMENTS SHOWN ON THESE DRAWINGS SHALL BE CONSIDERED THE MINIMUM REQUIRED.
2. THE INTERIOR AND EXTERIOR SIDE SLOPE SURFACE AREA OF PROPOSED BASIN SHALL BE SEEDED, FERTILIZED AND COVERED WITH EROSION-CONTROL MATTING.

PRINCIPAL SPILLWAY CONCRETE STRUCTURE

SIZE (CMP PIPE DIA.) (IN)	48"
HEIGHT (FT)	5.50
INVERT ELEVATION (TOP OF BASE) (FT)	823.00
TOP OF PRINCIPAL SPILLWAY ELEVATION (FT)	828.50
ANTI-FLOTATION CONCRETE BASE DIMENSIONS (L x W x H) (FT)	6' x 6' x 3'
SURFACE DEWATERING SKIMMER (NUMBER - DIAMETER)	1 - 7"
INVERT ELEVATION FOR SURFACE DEWATERING SKIMMER (FT)	823.00

CMP CARRIER PIPE

DIAMETER (IN)	36"
LENGTH (FT)	75'
SLOPE (%)	8.20%
INLET INVERT ELEVATION (FT)	823.00
OUTLET INVERT ELEVATION (FT)	818.00
NO. & SIZE OF ANTI-SEEP COLLARS (FT)	2 - 7.5' x 7.5'
CARRIER PIPE ENCASEMENT (L x W x H) (FT)	10' x 4' x 4'



ISSUED FOR BID



INITIAL BORROW AREA BASIN

2025 PARTIAL CLOSURE CONSTRUCTION

MATLOCK BEND LANDFILL
FOR
REPUBLIC SERVICES, INC.
LOUDON COUNTY, TENNESSEE



ENVIRONMENTAL CONSULTANTS

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EDIT 02-07-2025

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1" = 50'

DATE

FEBRUARY 2025

SHEET 13 OF 13

BORROW AREA SEDIMENT POND

SCALE: NOT TO SCALE

