



Outlook

[EXTERNAL] Re: American Environmental Landfill - Tier III Permit Modification - May 13, 2025 NOD

From Lytle, Trevar <TLytle@scsengineers.com>

Date Tue 10/21/2025 10:57 AM

To Jeff Biddick <Jeff.Biddick@deq.ok.gov>

Cc Wade Miller <wade@aelok.com>; Cotter, Floyd <FCotter@scsengineers.com>

I have sent the Permit Drawing set, which includes the revised Drawing #3, through a Newforma data transfer. All other sheets remain unchanged and retain their original seal and date.

If you have any questions or need additional information, please let me know.

Thank you.

Trevar Lytle, P.E.
Licensed in OK and TX
Project Manager
SCS Engineers
1809 Commons Circle, Suite B
Yukon, OK 73099
C: 580-889-0037
O: 405-246-1577
www.scsengineers.com

From: Jeff Biddick <Jeff.Biddick@deq.ok.gov>

Sent: Monday, October 20, 2025 12:38 PM

To: Lytle, Trevar <TLytle@scsengineers.com>

Cc: Wade Miller <wade@aelok.com>; Cotter, Floyd <FCotter@scsengineers.com>

Subject: Re: American Environmental Landfill - Tier III Permit Modification - May 13, 2025 NOD

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Trevar, while working on the draft permit modification, I noticed some strange labeling of elevations on revised Drawing 3. It looks like some of the existing surface contour labels are formatted in a way that they are indistinguishable from the groundwater elevation labels. Could you correct this to make the distinction clearer?

Thank you,

Jeff Biddick | Professional Engineer

Land Protection | Department of Environmental Quality

Office: 405.702.5141

Oklahoma.gov | deq.ok.gov

Oklahoma City, OK

PROJECT: AEL,203 Acre Expansion Engineering, OK 27220345.00 DATE: 10/21/2025

SUBJECT: AEL Tier III Permit Drawings - Revised Drawing #3 TRANSMITTAL ID: 00011

PURPOSE: For Record VIA: Info Exchange

FROM

NAME	COMPANY	EMAIL	PHONE
Trevar Lytle Oklahoma City, OK	SCS Engineers	TLytle@scsengineers.com	+1-405-246-1577

TO

NAME	COMPANY	EMAIL	PHONE
jeff.biddick@deq.ok.gov		jeff.biddick@deq.ok.gov	

REMARKS: Jeff,

Please find the attached Permit Drawing set, which includes the revised Drawing #3. All other sheets remain unchanged and retain their original seal and date.

If you have any questions or need additional information, please let me know.

Thank you.

DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NOTES
1	10/21/2025	27220345.00 - Permit Drawings - Revised August 2025 - v1.0.pdf	

COPIES:

wade@aelok.com
Floyd Cotter

(SCS Engineers)

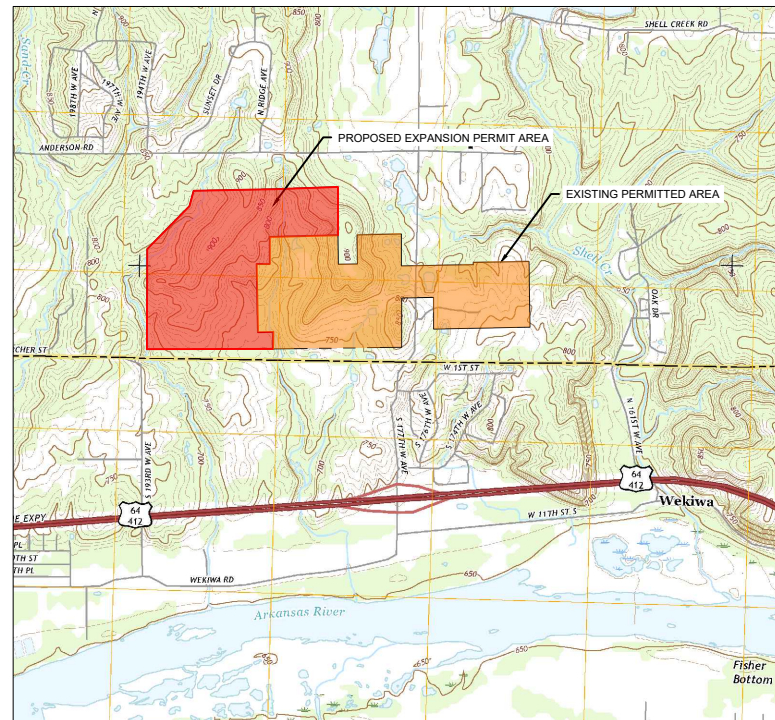
AMERICAN ENVIRONMENTAL LANDFILL WEST EXPANSION PERMITTING

ODEQ Permit No. 3510007

December 2023

Revised August 2025

PREPARED FOR
AMERICAN ENVIRONMENTAL LANDFILL



207 N. 177TH W. AVENUE
SAND SPRINGS, OKLAHOMA

SHEET LIST TABLE	
Sheet Number	Sheet Title
0	Cover
1	Existing Contour Map
2	Site Layout
3	Seasonal High Water Level
4	Top of Subgrade Grading Plan
5	Top of Clay Grading Plan
6	Top of Final Cover Grading Plan
7	Cross Section Locator Map
8	Fill Cross Section A-A'
9	Fill Cross Section B-B'
10	Fill Cross Section C-C'
11	Fill Cross Section D-D'
12	Watershed Plan
13	Details
14	Details
15	Details
16	Details
17	Details
18	Details

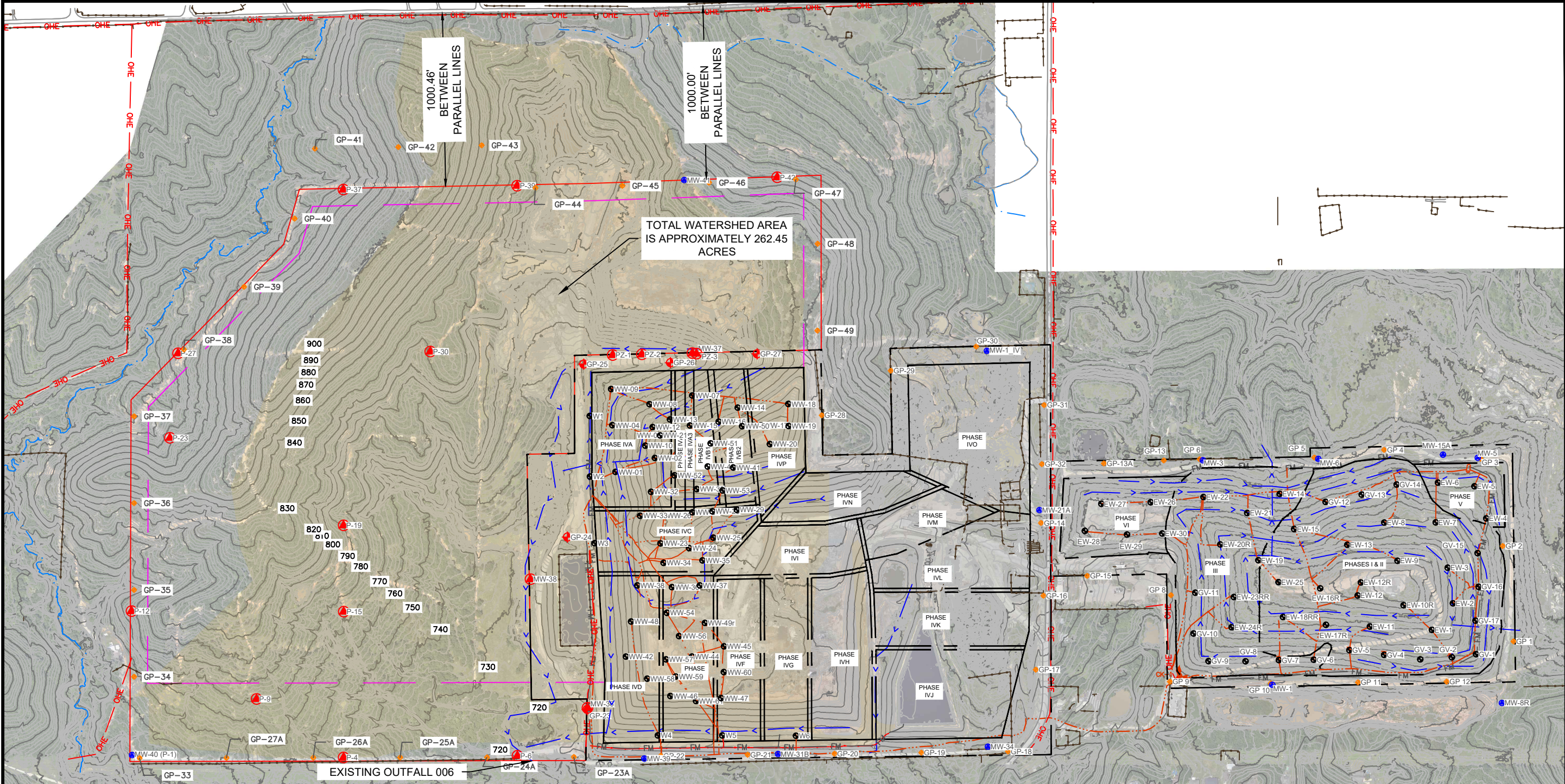
PREPARED BY

SCS ENGINEERS

8575 W. 110 Street, Suite 100
Overland Park, KS 66210
PH (913) 681-0030 FAX (913) 681-0012
Project No. 27220345.00



FOR PERMITTING PURPOSES ONLY

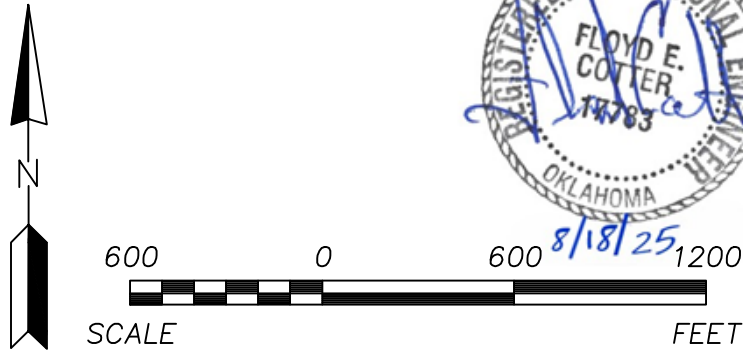


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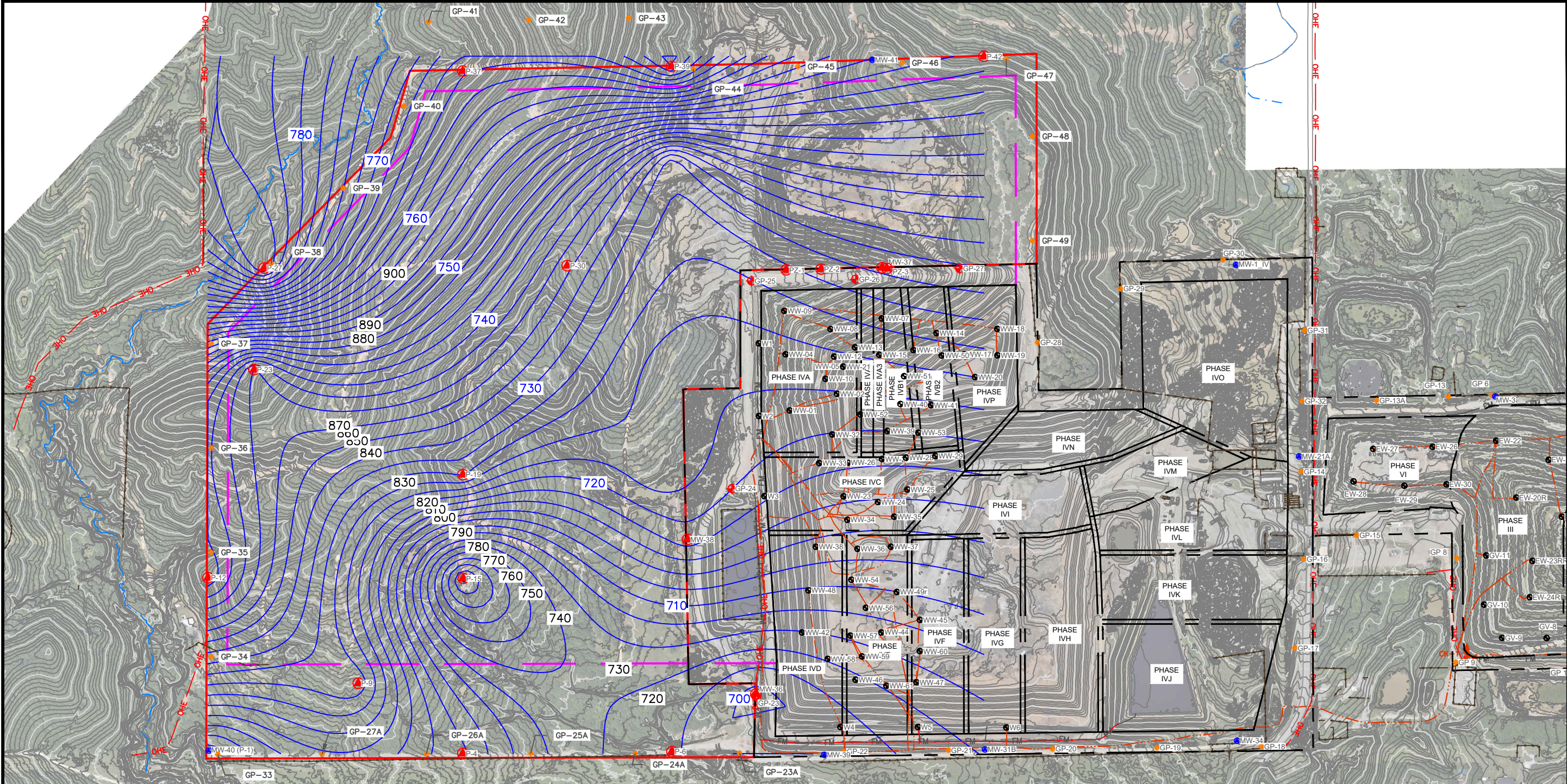
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	EXISTING 10' MAJOR CONTOUR		EXTRACTION WELL
	EXISTING FENCE		EXISTING/PROPOSED GAS PROBE
	EXISTING OVERHEAD ELECTRIC		EXISTING/PROPOSED MONITORING WELL
	EXISTING UNDERGROUND ELECTRIC		MONITORING WELL/PIEZOMETER ABANDONMENT
	EXISTING UNPAVED ROAD		GAS PROBE ABANDONMENT
	EXISTING PAVED ROAD		PROPOSED EXPANSION AREA PERMIT BOUNDARY
	EXISTING BODY OF WATER		PROPOSED LIMITS OF WASTE
	SOLID WASTE PHASE BOUNDARY		EXISTING STREAM
	SOLID WASTE PERMIT BOUNDARY		SURFACE DRAINAGE
	LEACHATE FORCEMAIN		EXISTING WATERSHED

NOTES:

- AERIAL TOPOGRAPHY PERFORMED BY AERIAL OKLAHOMA, LLC ON JULY 9, 2025.
- PROPOSED GAS PROBES AND MONITORING WELLS ARE DEPICTED WITHIN THE EXPANSION AREA



SCS ENGINEERS 8575 W. 110 STREET, SUITE 100 OVERLAND PARK, KS 66210 PH. (913) 681-0030 FAX. (913) 681-0012	CADD FILE: SITE LAYOUT.DWG		DATE: 8/14/25		SCALE: 1"=600'		DRAWING NO. 1 of 18	
	PROJ. NO. 27220345.00	DRAWN BY: TML	CHECK BY: TML	Q/A REVIEW BY: FEC				
	DATE: 8/14/25	DATE: 8/14/25	DATE: 8/14/25	DATE: 8/14/25				
CLIENT AMERICAN ENVIRONMENTAL LANDFILL, INC. AMERICAN ENVIRONMENTAL LANDFILL SAND SPRINGS, OK				SHEET TITLE EXISTING CONTOURS PROJECT TITLE AEL LATERAL EXPANSION PERMITTING		REV. DATE	DESCRIPTION	CK. BY
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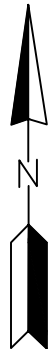


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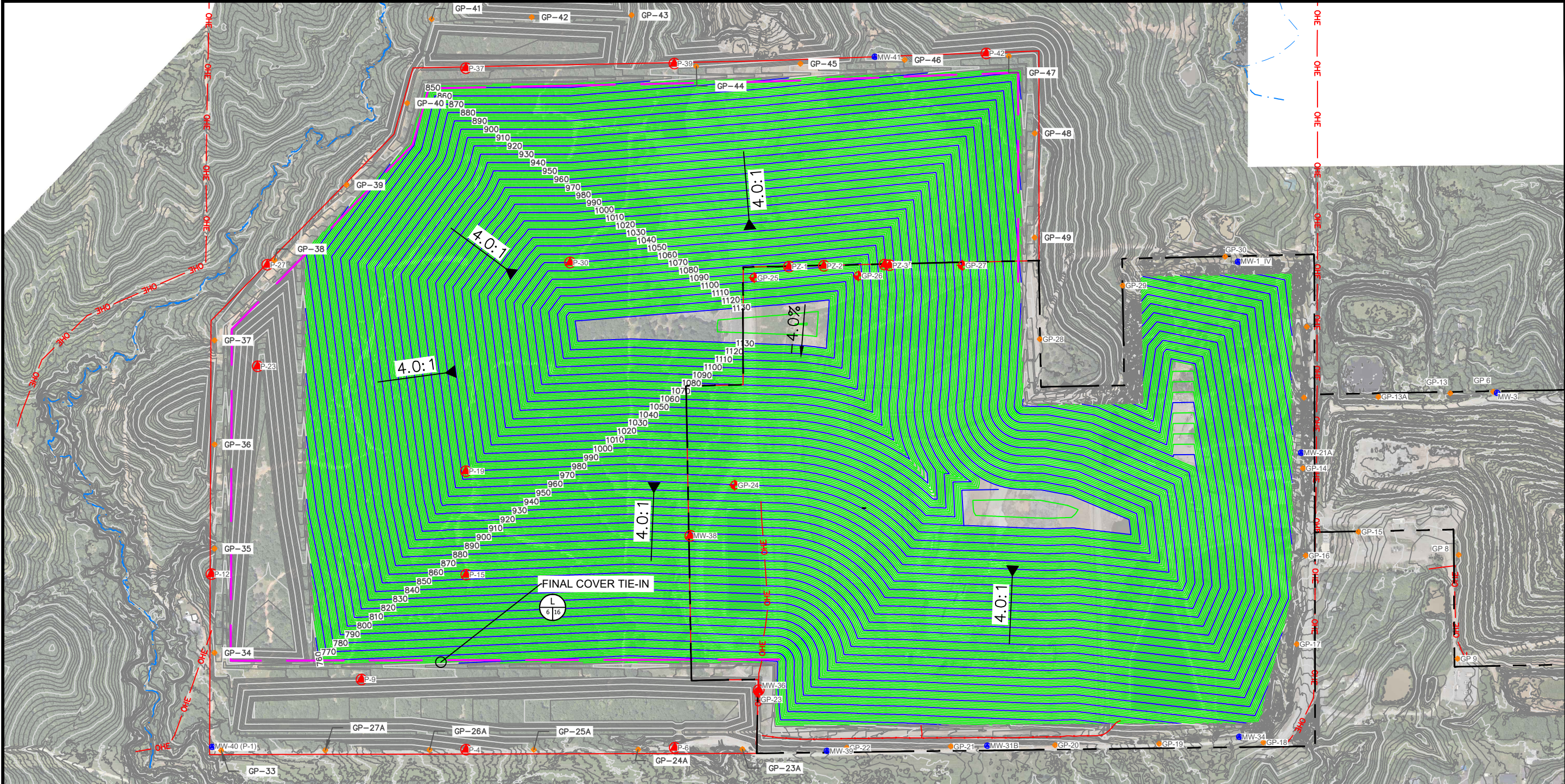
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	EXISTING 10' MAJOR CONTOUR		EXTRACTION WELL
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	EXISTING OVERHEAD ELECTRIC		MONITORING WELL
	EXISTING UNDERGROUND ELECTRIC		MONITORING WELL ABANDONMENT
	EXISTING UNPAVED ROAD		GAS PROBE ABANDONMENT
	EXISTING PAVED ROAD		PROPOSED EXPANSION AREA PERMIT BOUNDARY
	EXISTING BODY OF WATER		PROPOSED LIMITS OF WASTE
	SOLID WASTE PHASE BOUNDARY		EXISTING STREAM
	SOLID WASTE PERMIT BOUNDARY		2' GROUNDWATER CONTOUR
	LEACHATE FORCEMAIN		

NOTES:

- AERIAL TOPOGRAPHY PERFORMED BY AERIAL DATA SERVICES, LLC ON JULY 9, 2025.
- PROPOSED GAS PROBES AND MONITORING WELLS ARE DEPICTED WITHIN THE EXPANSION AREA



CLIENT AMERICAN ENVIRONMENTAL LANDFILL, INC. AMERICAN ENVIRONMENTAL LANDFILL SAND SPRINGS, OK	SHEET TITLE SEASONAL HIGH WATER LEVEL		REV. DATE	CK. BY	DESCRIPTION
	PROJECT TITLE AEL LATERAL EXPANSION PERMITTING				
SCS ENGINEERS 8375 W. 110 STREET, SUITE 100 OVERLAND PARK, KS 66210 PH. (913) 681-0030 FAX. (913) 681-0012 PROJ. NO. 220345.00 SHEET NO. 3 of 18	DRAWN BY	TWL	DATE	DATE	DATE
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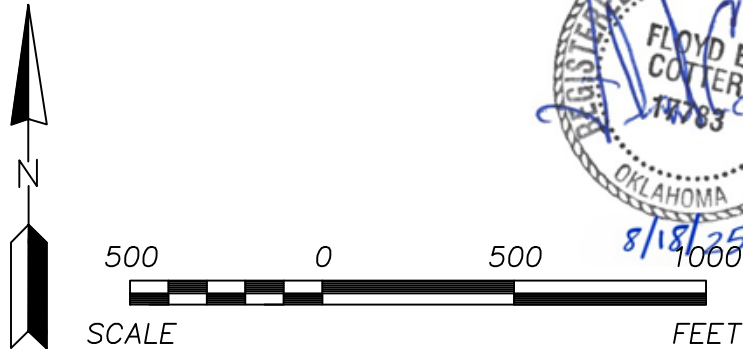


LEGEND:

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|--|-------------------------------|--|---|
| | EXISTING 2' MINOR CONTOUR | | PROPOSED EXPANSION AREA PERMIT BOUNDARY |
| | EXISTING 10' MAJOR CONTOUR | | PROPOSED LIMITS OF WASTE |
| | SOLID WASTE PERMIT BOUNDARY | | PROPOSED MINOR CONTOURS |
| | EXISTING OVERHEAD ELECTRIC | | PROPOSED MAJOR CONTOURS |
| | EXISTING UNDERGROUND ELECTRIC | | |
| | GAS PROBE | | |
| | MONITORING WELL | | |
| | MONITORING WELL ABANDONMENT | | |
| | GAS PROBE ABANDONMENT | | |

NOTES:

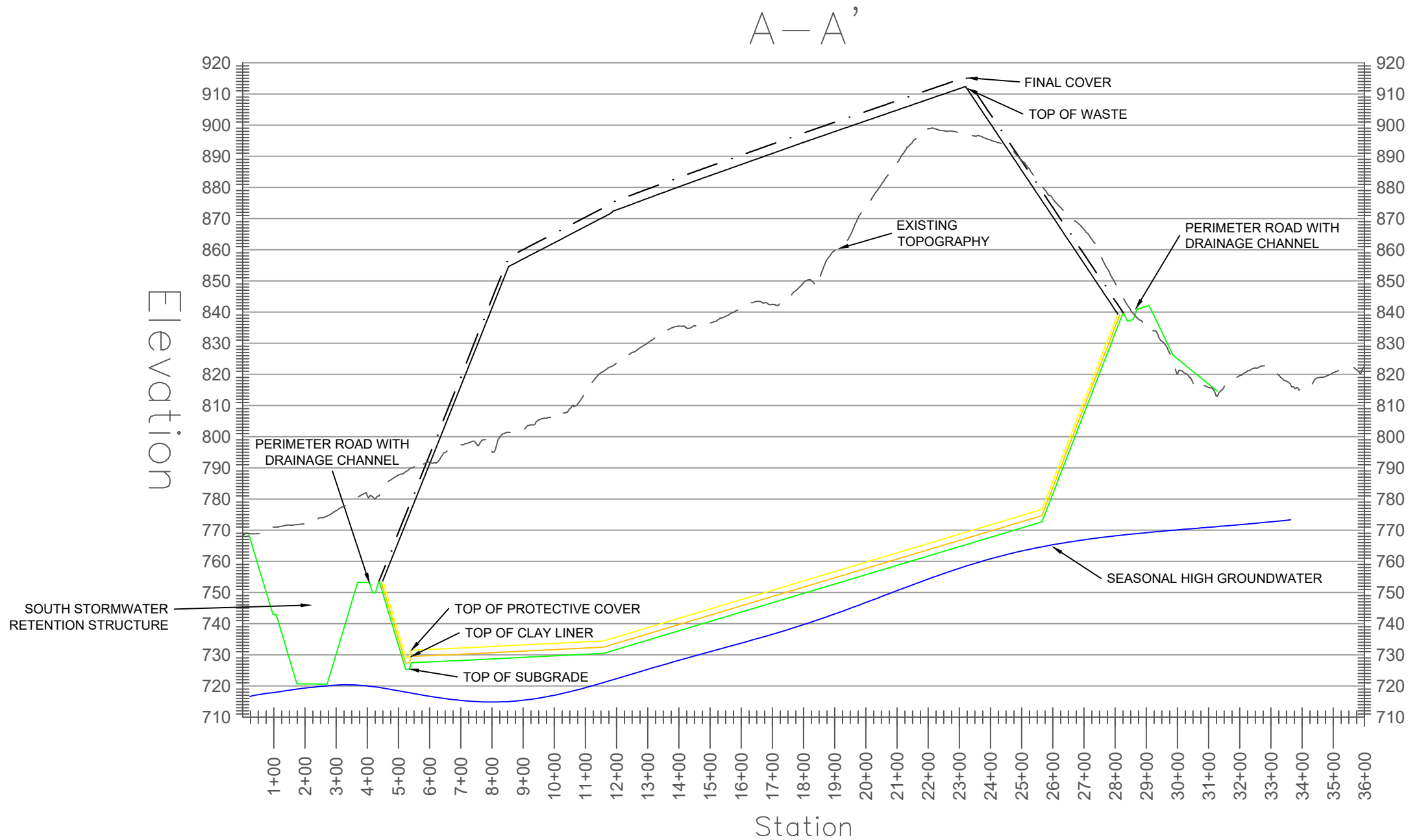
1. AERIAL TOPOGRAPHY PERFORMED BY AERIAL DATA SERVICES, LLC ON JULY 9, 2025.
2. PROPOSED GAS PROBES AND MONITORING WELLS ARE DEPICTED WITHIN THE EXPANSION AREA.
3. EXTERIOR GRADING IS SHOWN AS EXISTING CONTOURS



SCS ENGINEERS 8575 W. 110 STREET, SUITE 100 OVERLAND PARK, KS 66210 PH. (913) 681-0030 FAX. (913) 681-0012	DWG. BY: TWL		C/A R/W BY: FEC	
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	PROJ. NO. 27220345.00		DATE: 8/14/25	
	DATE: 8/14/25		SCALE: 1"=500'	
	DRAWING NO. 6 of 18		DRAWING NO. 6 of 18	

CLIENT	AMERICAN ENVIRONMENTAL LANDFILL, INC. AMERICAN ENVIRONMENTAL LANDFILL SAND SPRINGS, OK	SHEET TITLE		REV. DATE	DESCRIPTION	CK. BY
		TOP OF FINAL COVER GRADING PLAN				
		PROJECT TITLE				
		AEL LATERAL EXPANSION PERMITTING				

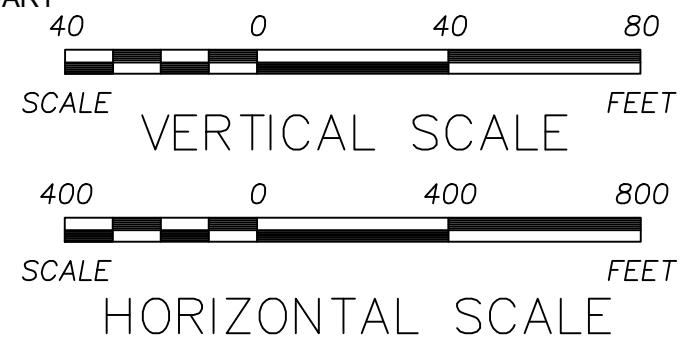
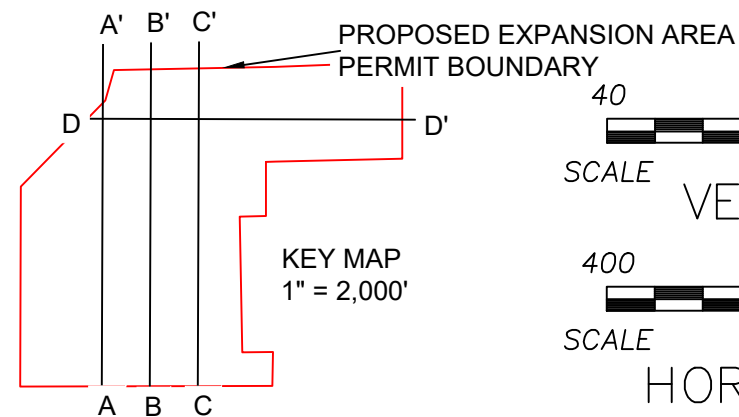
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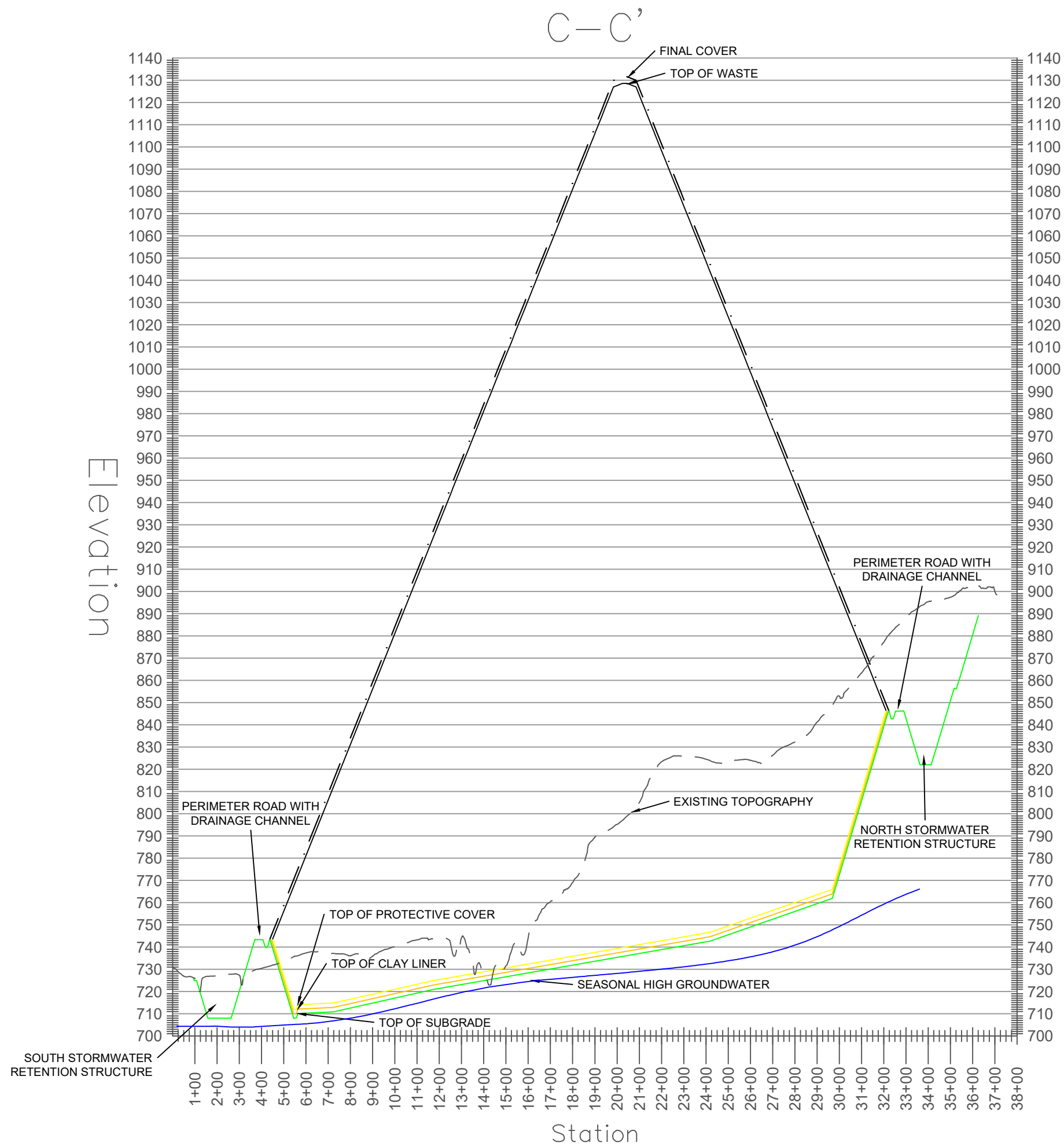
LEGEND:

---	EXISTING TOPOGRAPHY
---	TOP OF SEASONAL HIGH GROUNDWATER
---	TOP OF SUBGRADE
---	TOP OF CLAY LINER
---	TOP OF PROTECTIVE COVER
---	TOP OF WASTE
---	TOP OF FINAL COVER

NOTES:
1. AERIAL TOPOGRAPHY PERFORMED BY AERIAL DATA SERVICES, LLC ON JULY 9, 2025.



SCS ENGINEERS 8575 W. 110 STREET, SUITE 100 OVERLAND PARK, KS 66210 PH. (913) 681-0030 FAX. (913) 681-0012		CROSSING		CROSS SECTION/NO.		DATE: 8/18/25		SCALE: VARIES		DRAWING NO.			
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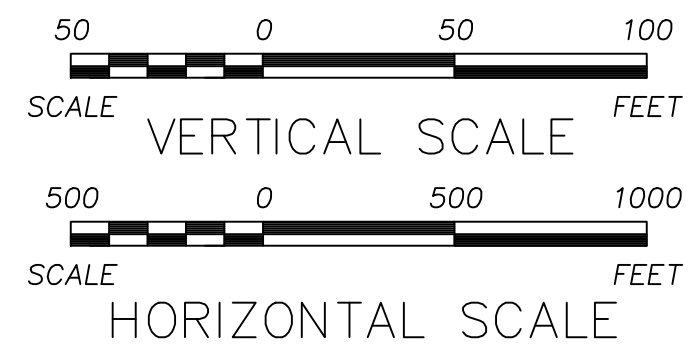
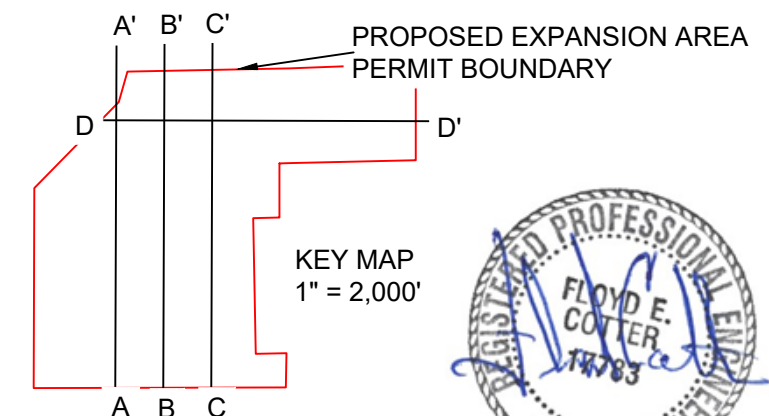


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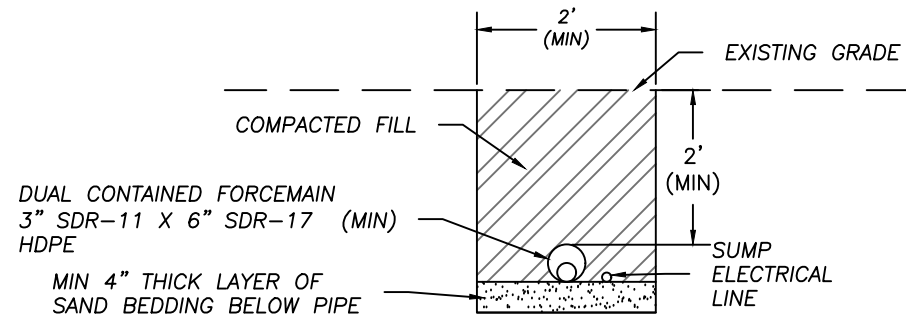
- | | |
|-----------|----------------------------------|
| — — — — | EXISTING TOPOGRAPHY |
| — | TOP OF SEASONAL HIGH GROUNDWATER |
| — | TOP OF SUBGRADE |
| — | TOP OF CLAY LINER |
| — | TOP OF PROTECTIVE COVER |
| — | TOP OF WASTE |
| — . — . — | TOP OF FINAL COVER |

NOTES:

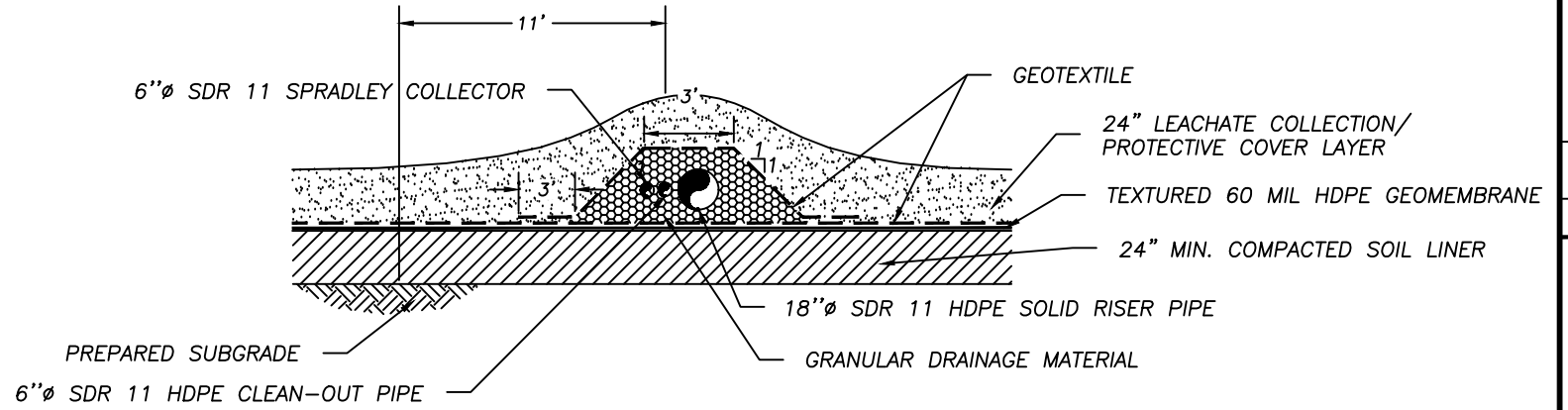
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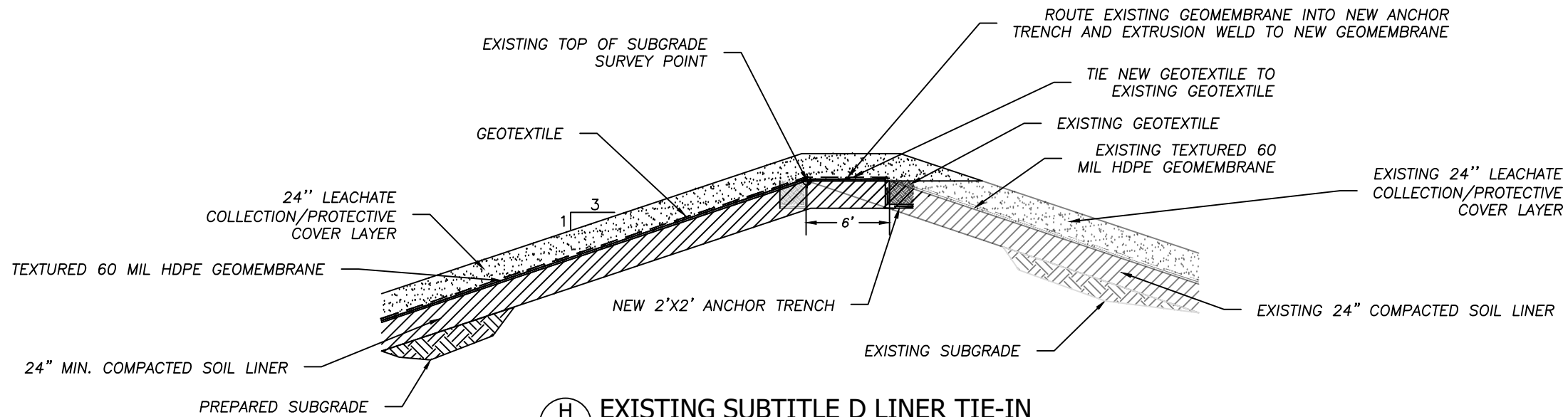
SCS ENGINEERS 8575 W. 110 STREET, SUITE 100 OVERLAND PARK, KS 66210 PH. (913) 681-0030 FAX. (913) 681-0012		CLIENT		SHEET TITLE		REV. DATE	CK. BY
CADD FILE: CROSS SECTIONS.DWG		AMERICAN ENVIRONMENTAL LANDFILL, INC. AMERICAN ENVIRONMENTAL LANDFILL SAND SPRINGS, OK		FILL CROSS SECTION C-C'		△	
						△	
						△	
DWG. NO. 1772 DESK. BY. TML Q/A RWM BY: TML DATE: 8/18/25 PROJ. MGR. TML		PROJECT TITLE		△			
				△			
				△			
DRAWING NO.		AEL LATERAL EXPANSION PERMITTING		1	8.25	REVISED CELL 7 CONTOURS	TWL
				0	5.24	SUBMITTAL TO ODEQ	FEC
10		of 18					



 **LCS FORCEMAIN TRENCH** Scale: NTS



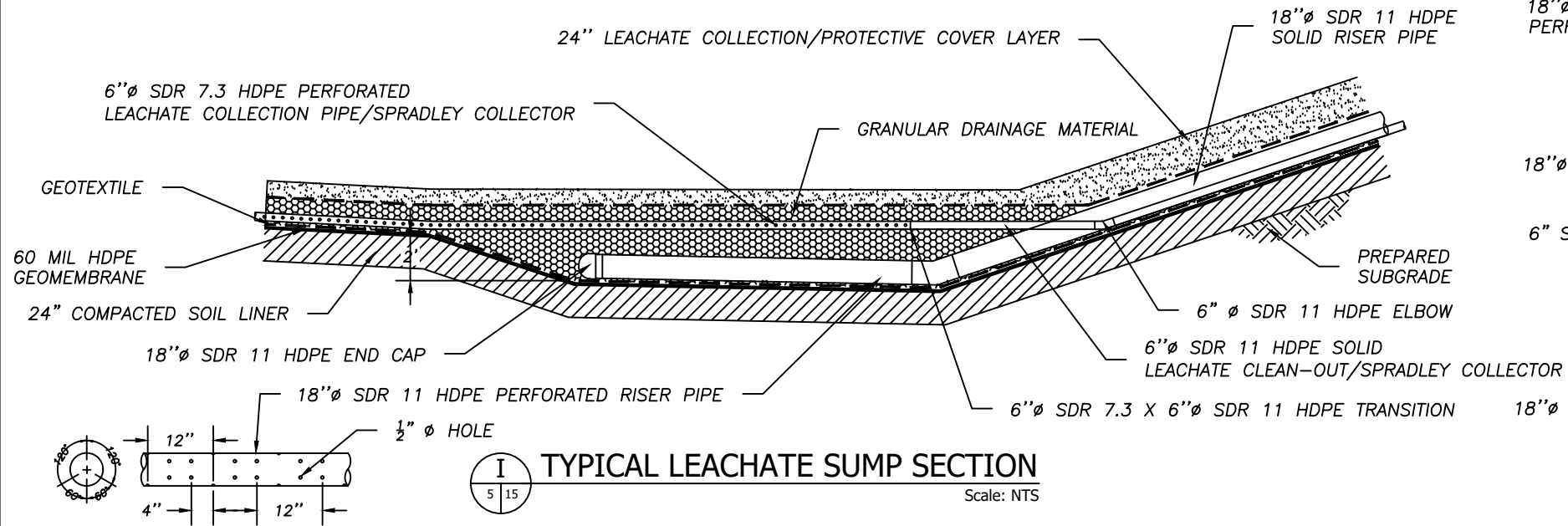
G RISER/CLEANOUT PIPE SIDEWALL SECTION
Scale: NTS



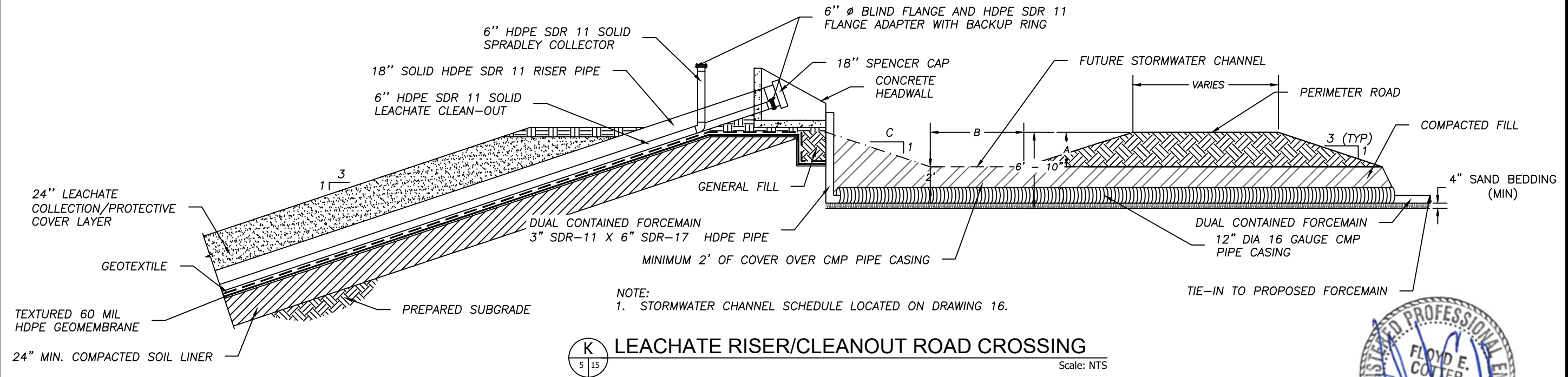
 **EXISTING SUBTITLE D LINER TIE-IN**
Scale: NTS



SCS ENGINEERS 8575 W. 110 STREET, SUITE 100 OVERLAND PARK, KS 66210 PH. (913) 881-0030 FAX. (913) 681-0012	DWG. BY: TWL CHK. BY: FEC		Q/A RW BY: TWL Q/A REC BY: FEC	
	PROJ. NO. 27220345.00 DATE BY: TWL		PROJ. MOD. TWL	
CADD FILE: DETAILS.DWG				
DATE: 8/14/25				
DRAWING NO.				
14 of 18				

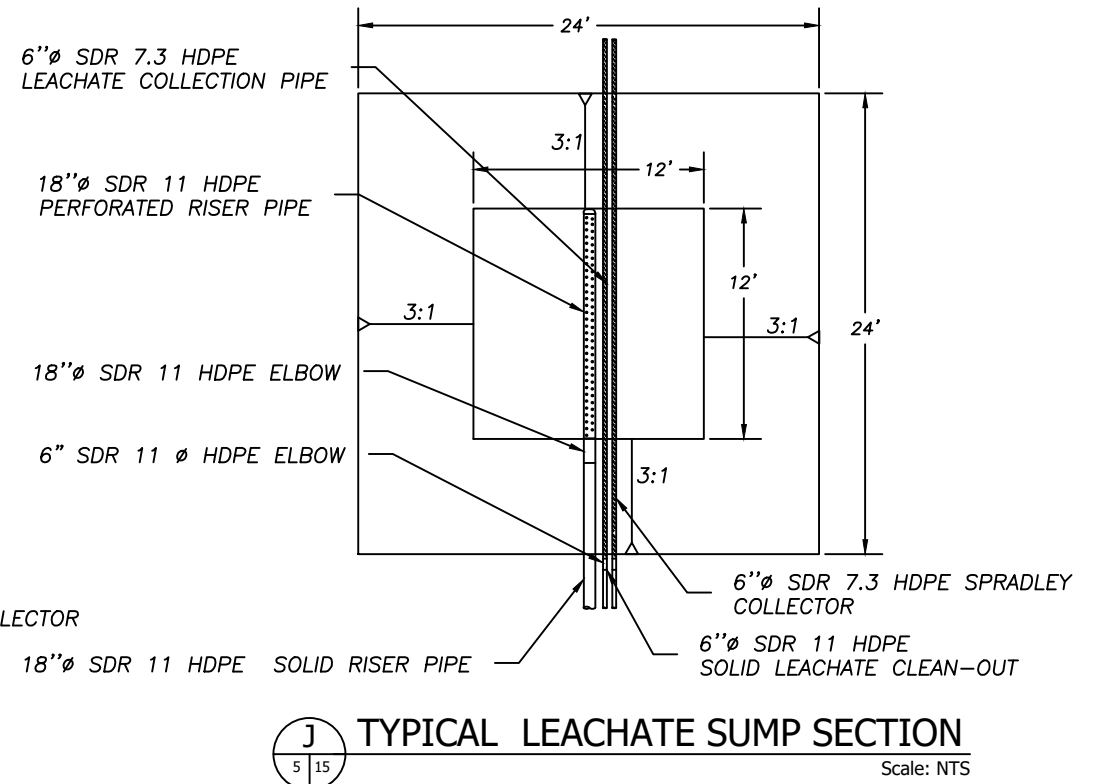


1. THE GRANULAR DRAINAGE MATERIAL SHALL BE OF A SIZE THAT NOT MORE THAN 10% WILL PASS $\frac{1}{2}$ " SIEVE.



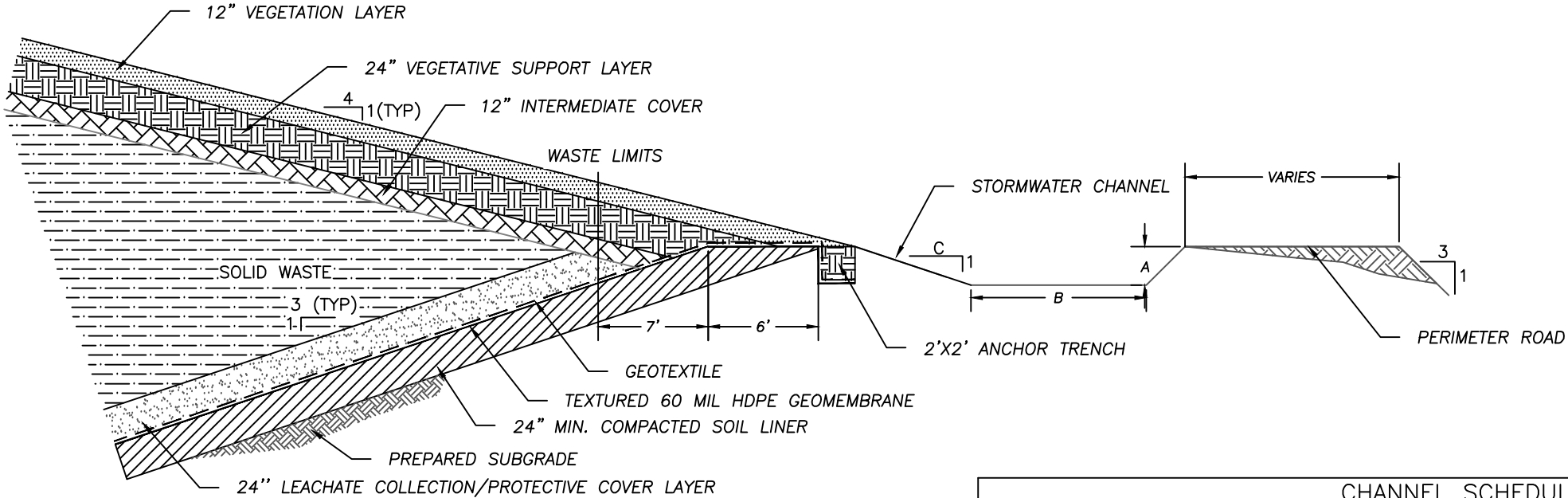
NOTE:
1. STORMWATER CHANNEL SCHEDULE LOCATED ON DRAWING 16.

 LEACHATE RISER/CLEANOUT ROAD CROSSING



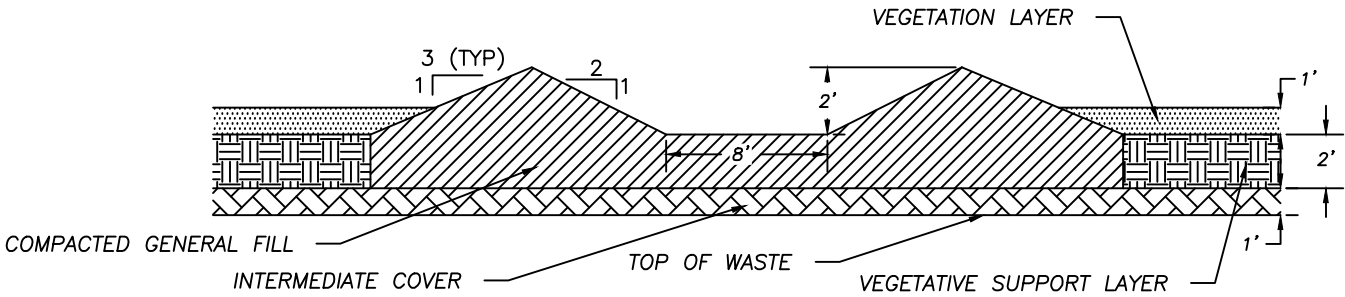
SCS ENGINEERS 8575 W. 110 STREET, SUITE 100 OVERLAND PARK, KS 66210 PH. (913) 881-0030 FAX. (913) 681-0012		AMERICAN ENVIRONMENTAL LANDFILL, INC AMERICAN ENVIRONMENTAL LANDFILL SAND SPRINGS, OKLAHOMA	
CLIENT:		PROJECT TITLE:	
DRAWING NO. 277220345.00 DESK. BY: TWL DWG. BY: TWL		O/A REV. BY: FEC PROJ. MGR: TWL	
DATE: 8/14/25		PROJECT TITLE: AEL LATERAL EXPANSION PERMITTING	
DRAWING NO.		REV. DATE DESCRIPTION BY	
15 of 18		1 8.25 REVISED CELL 7 COUNTOURS TWL 0 5.24 SUBMITTAL TO ODEQ FEC	

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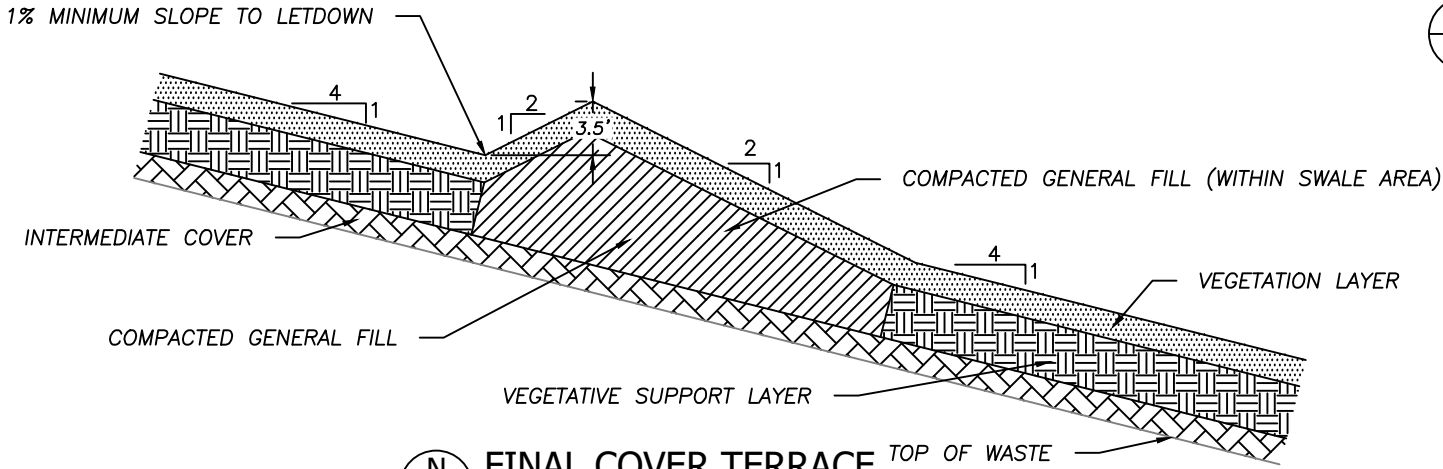


L FINAL COVER TIE-IN
Scale: NTS

CHANNEL SCHEDULE				
	A (FT)	B (FT)	C	LINING MATERIAL
TERRACE	3.50	0.00	4;2	GRASS
LETDOWN	2.00	8.00	2	HDPE
CHANNEL 1	3.50	9.00	3	RIP RAP (24" THICK D ₅₀ = 12")
CHANNEL 2	3.00	0.00	3	GRASS
CHANNEL 3	3.00	10.00	3	GRASS



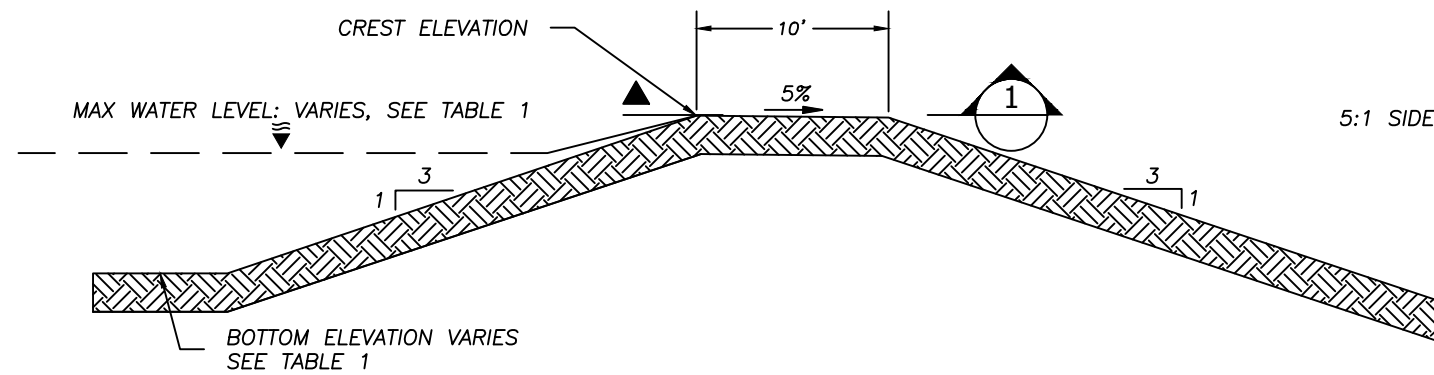
M FINAL COVER LETDOWN
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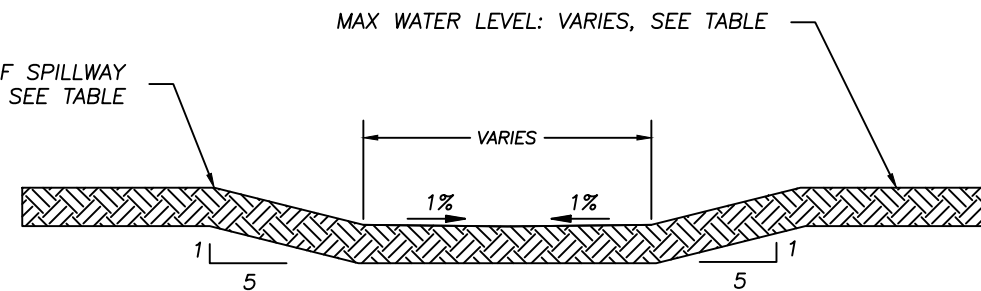
N FINAL COVER TERRACE
Scale: NTS



CLIENT	AMERICAN ENVIRONMENTAL LANDFILL, INC AMERICAN ENVIRONMENTAL LANDFILL SAND SPRINGS, OKLAHOMA	SHEET TITLE	DETAILS	REV	DATE	DESCRIPTION	CHK	BY
				1	8.25	REVISED CELL 7 COUNTOURS	TWL	FEC
		PROJECT TITLE		AEL LATERAL EXPANSION PERMITTING				
		CADD FILE:		DETAILS.DWG				
		DATE:		8/14/25				
		DRAWING NO.		16 of 18				

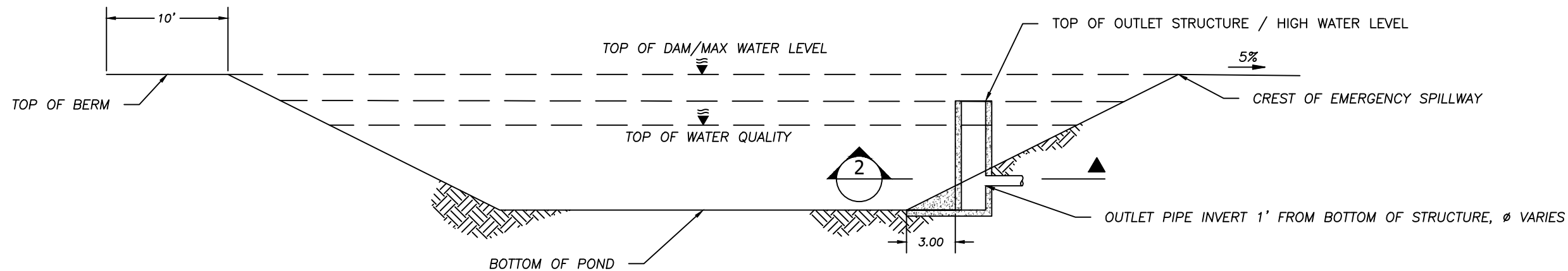


0 STORMWATER DETENTION STRUCTURE EMERGENCY SPILLWAY
12/17 Scale: NTS



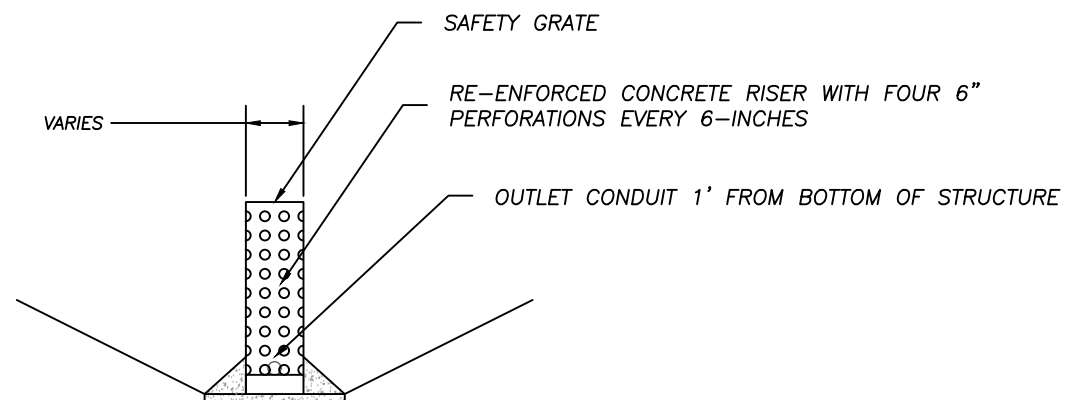
1 SECTION VIEW

STORMWATER QUALITY STRUCTURE						
STORMWATER DETENTION STRUCTURE	BOTTOM OF POND ELEVATION (FT)	MAX WATER LEVEL (FT)	DEPTH OF WATER AT MWL (FT)	TOP OF SPILLWAY (FT)	WIDTH OF SPILLWAY (FT)	FREEBOARD (FT)
NORTH STRUCTURE	822.00	840.00	18.00	837.00	5.00	1.00
SOUTH STRUCTURE	708.00	725.00	17.00	722.00	30.00	1.00



P
12|17

STORMWATER DETENTION STRUCTURE AND OUTLET CONTROL STRUCTURES
PLAN VIEW



2 SECTION VIEW

OUTLET SCHEDULE						
STORMWATER DETENTION STRUCTURE	TOP OF OUTLET STRUCTURE ELEVATION (FT)	TOP OF WATER QUALITY ELEVATION (FT)	OUTLET PIPE INVERT ELEVATION (FT)	OUTLET PIPE LENGTH (FT)	OUTLET PIPE SLOPE %	DIAMETER (IN)
NORTH STRUCTURE	835.00	833.00	823.00	100.00	1.70	24
SOUTH STRUCTURE	720.00	720.00	709.00	180.00	1.00	48



SCS ENGINEERS 8675 W. 110 STREET, SUITE 100 OVERLAND PARK, KS 66210 PH: (913) 681-0030 FAX: (913) 681-0012	CLIENT AMERICAN ENVIRONMENTAL LANDFILL, INC AMERICAN ENVIRONMENTAL LANDFILL SAND SPRINGS, OKLAHOMA		SHEET TITLE DETAILS		REV. DATE △ - △ - △ - △ - △ -	CKY BY - - - - -
	CADD FILE: DETAILS.DWG		DATE: 8/14/25		DRAWING NO. 17 of 18	
25% TO 25% TO 10% TO	DWN. BY: TML CHK. BY: FEC TML	O/A RW BY: TML 25% TO: FEC 10% TO: TML	PROJECT TITLE AEL LATERAL EXPANSION PERMITTING		1 8.25 REVISED CELL 7 COUNTOURS 0 5.24 SUBMITTAL TO ODEQ 0 5.24 SUBMITTAL TO ODEQ	TML FEC FEC



REGISTERED PROFESSIONAL ENGINEER
 FLOYD E. COTTER
 17783
 OKLAHOMA
 8/18/25

18 of 18