

Loudon County Solid Waste Disposal Commission
August 21th, 2025
6:00PM
Loudon County Annex

Roll Call

Public Comment

LCSWDC:

- Vulture Update
- Cell A Leachate Disconnect Update
- Leachate Storage Tank Update
- New Borrow Pit Update
- Storm Water Ponds Update
- Partial Closure and Passive Gas Plan
- Heavy Equipment Rodeo
- Tennessee National Easement

Republic:

- Operations
- Engineering Report
- Airspace Utilization Report
- TDEC Inspection – August 2025
- Other TDEC Inspections
- Host and Security Fee Letter
- Loudon Financial Information

Action Items

Adjourn

MODULE A

MINOR MODIFICATION

LEACHATE COLLECTION - SLIP LINING

PREPARED FOR:



MATLOCK BEND LANDFILL

21712 TN-72
LOUDON, TN 37774
Phone: (865)-458-2651

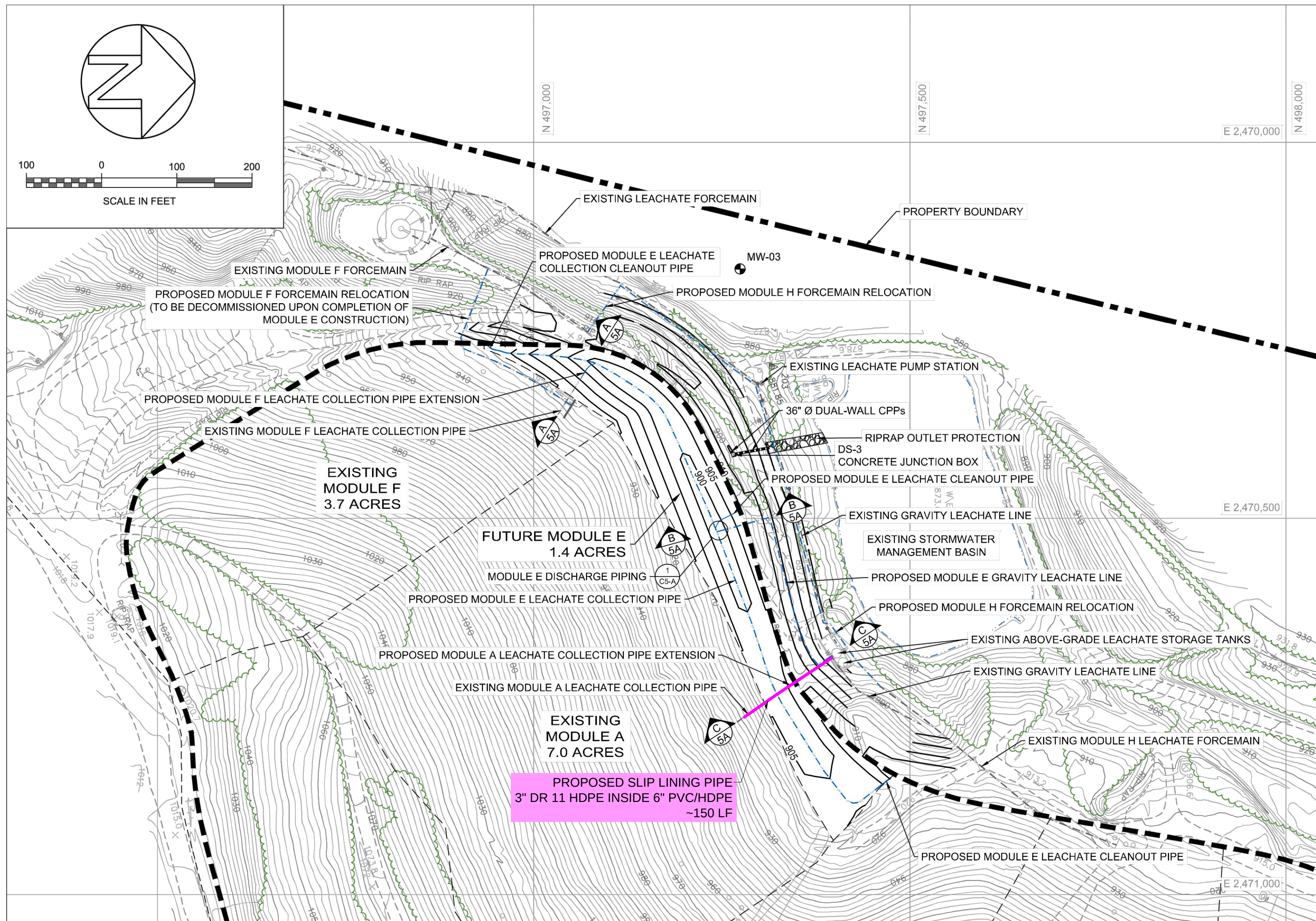
ISSUED FOR CONSTRUCTION: 06/23/2025

DRAWING INDEX:

	COVER SHEET
1	PLAN & PROFILE
2	DETAILS

PREPARED BY:

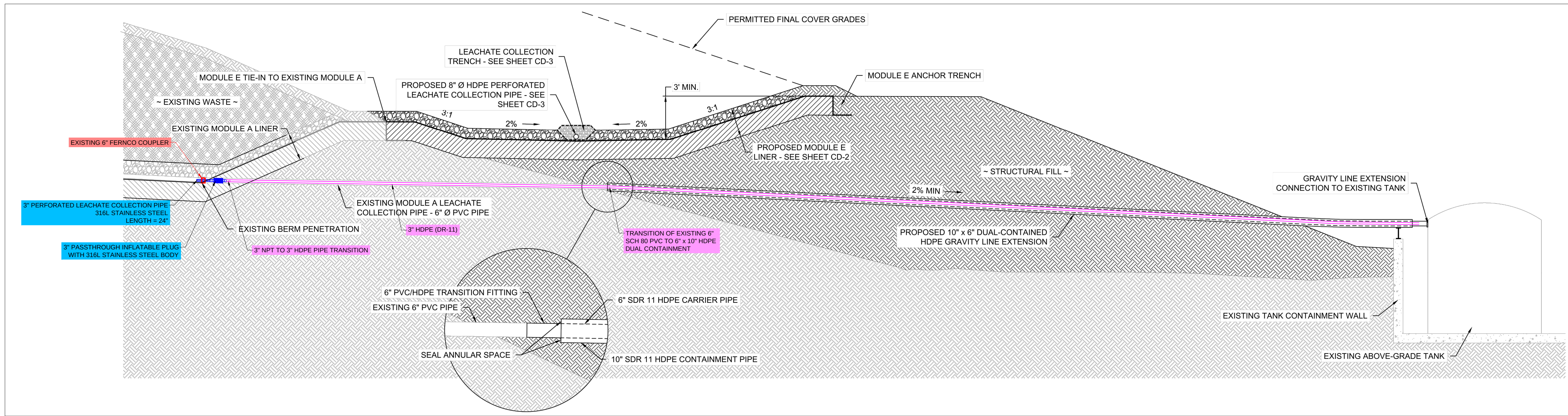




PLAN VIEW
Scale: 1" = 100'

ESTIMATED QUANTITIES

3" SS 316L (PERFORATED) =	2	LF
3" SS INFLATABLE PLUG =	1	EA
3" HDPE (DR-11) =	150	LF
GROUT =	16.6	CF (~ 0.11 SF/FT)
CENTRALIZERS =	15	EA

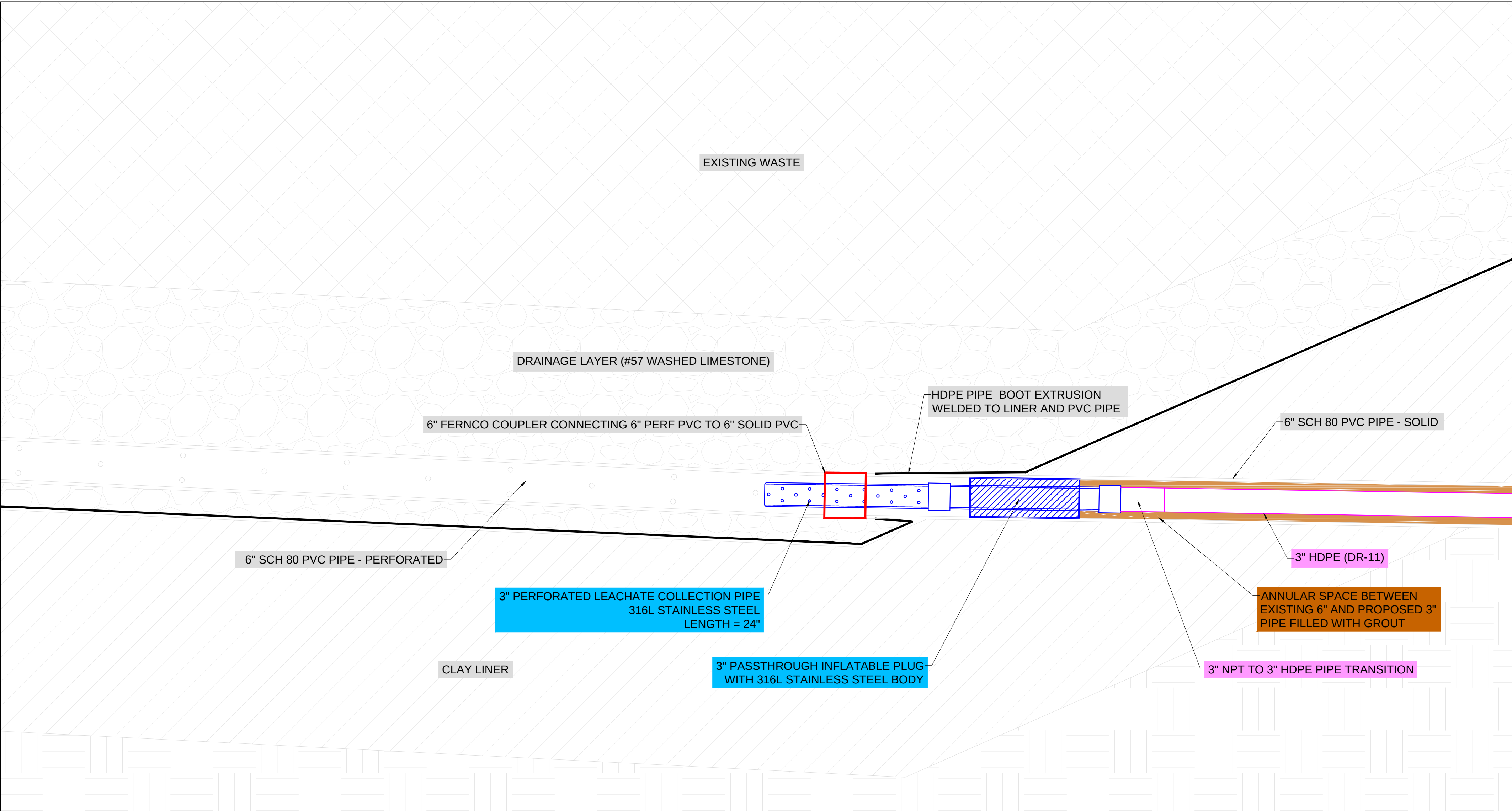


MODULE A LEACHATE COLLECTION OUTLET - SECTION C
NTS

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

Diversified Engineering Inc.
CONSULTING ENGINEERS & SURVEYORS
375 RAY AVENUE, N.E.
NEW BRUNSWICK, NJ 08901
PH: 908.444.4444
FAX: 908.444.4444
WWW.DIVERSIFIED-ENG.COM

REPUBLIC SERVICES - MATLOCK BEND LF
PROJECT: MODULE A - MINOR MODIFICATION
LEACHATE COLLECTION SLIP LINING
SHEET TITLE: PLAN & PROFILE



SLIP LINING DETAIL
NTS

NOTES (OPS PLAN - APPENDIX F)

The Module A leachate piping requires structural pipe improvements in association with the proposed expansion. This will be accomplished by following the below sequencing:

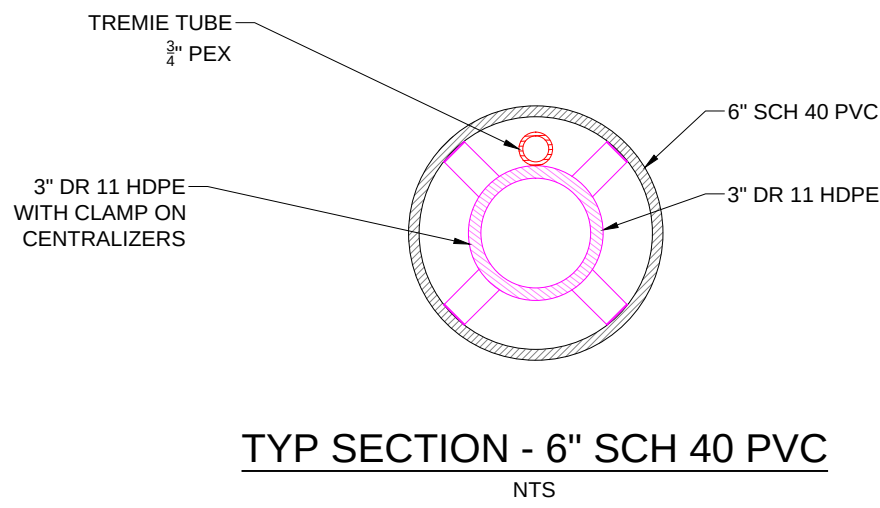
- During structural pipe improvements, arrange for temporary leachate collection via vacuum truck at the current Module A leachate gravity drain.
- Cut open the gravity drain to allow for slip lining access.
- Slip line the existing 6" HDPE and 6" PVC pipe by installing (i.e., pushing a 4" SDR 11 solid wall HDPE pipe inside the 6" HDPE and PVC pipes. The slip line shall extend to the Module A "sump"/low point.
- The 4" SDR 11 HDPE pipe will have centralizers installed prior to installing the pipe along the length of the pipe to facilitate grouting the annular space between the pipes.
- The 4" SDR 11 HDPE pipe will also have an inflatable pipe plug connected to the end to control grout flow from extending beyond the end of the pipe.
- A tremie pipe will also be loosely attached to the 4" SDR 11 HDPE pipe prior to installing the pipe.
- Perform a camera inspection of the slip line installation to ensure it extends to the Module A "sump"/low point.
- The annular space will then be grouted using the tremie pipe. The tremie pipe will be slowly removed as additional grout is placed.
- The new 4" pipe shall be camera inspected again and jetted immediately (i.e., within 1 hour) after the grouting operations are completed to ensure no overflow of grout has migrated into the new 4 inch slip lining.
- Following structural pipe improvements activities, connect the 4" gravity drain to the existing leachate collection infrastructure (i.e., existing 10,000 gallon leachate storage tanks)

FOR NOTES ABOVE, 4" HDPE DR-11 PIPE SHALL BE REPLACED WITH 3" HDPE DR-11 PIPE TO HELP FACILIATE FITTMENT OF GROUTING TUBES

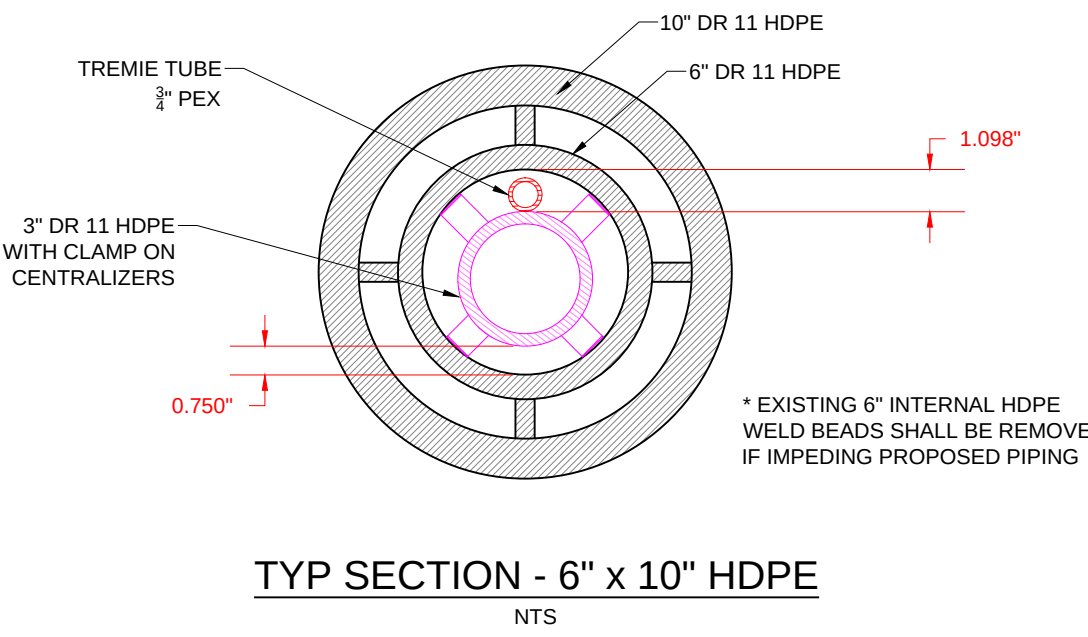
GROUT MIX

Neat Cement Grout Mix = 150 psi (min)

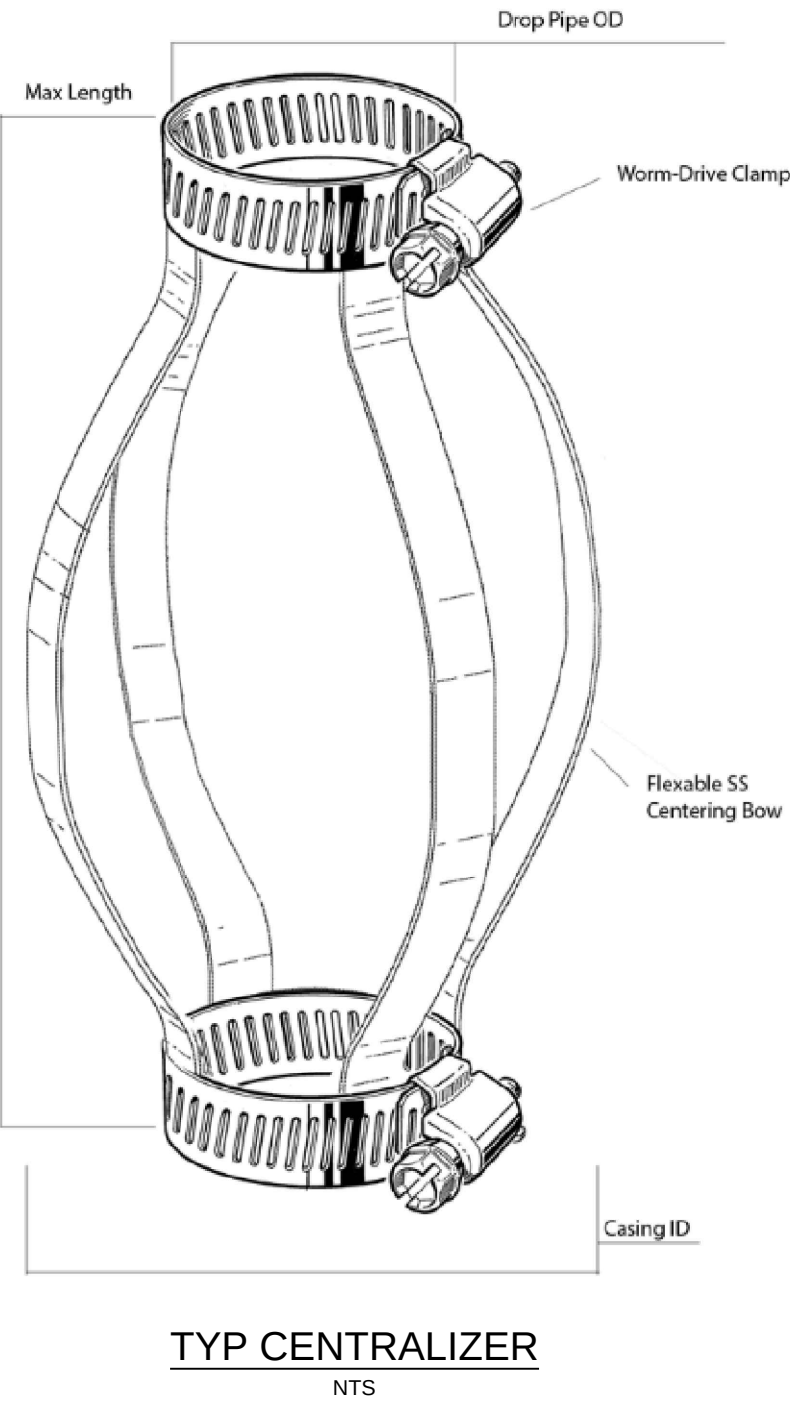
- Mix shall be thin enough to facilitate pumping through $\frac{3}{4}$ " poly tremie tube
- Grout contractor shall provide mix design to engineer for approval prior to install



TYP SECTION - 6" SCH 40 PVC
NTS



TYP SECTION - 6" x 10" HDPE
NTS



TYP CENTRALIZER
NTS

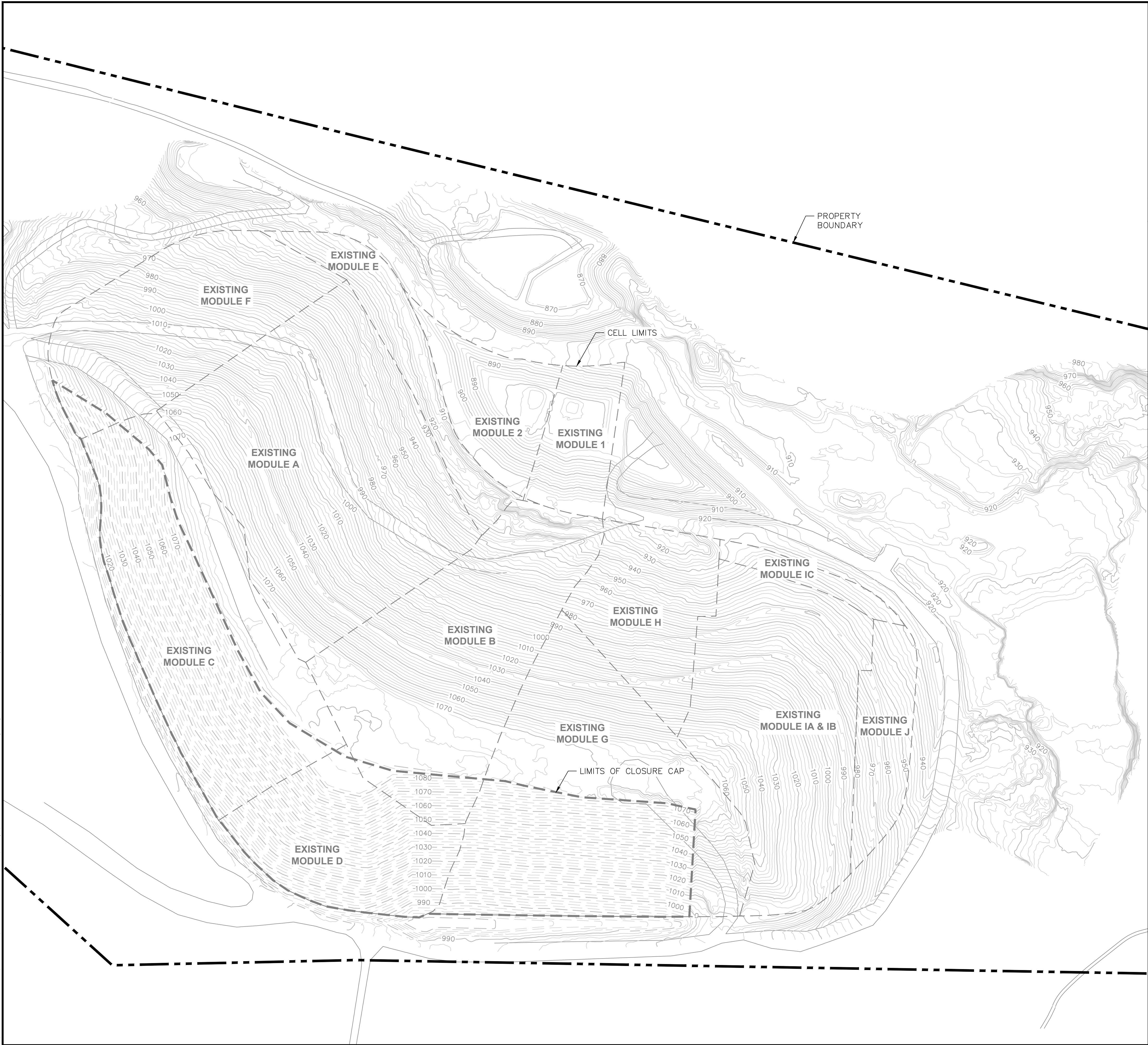
REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

Diversified Engineering Inc.
CONSULTING ENGINEERS & SURVEYORS
1275 RAY AVENUE, N.E.
SUITE 100
NEW PHILADELPHIA, OH 44663
Phone: (330) 364-4431
Email: info@div-eng.com
Web: www.div-eng.com

REPUBLIC SERVICES - MATLOCK BEND LF
PROJECT: MODULE A - MINOR MODIFICATION
LEACHATE COLLECTION SLIP LINING
SHEET TITLE: DETAILS

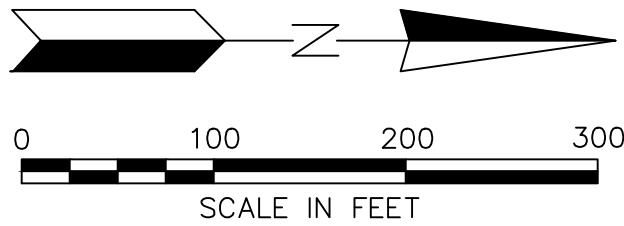
SHEET NO:
2 / 2

M:\CADD\PROJECT DRAWINGS\Matlock Bend\VBLE - CA-1 CAPPING EXIST' Drawings\SP702-EXISTING CONDITIONS V01.dwg Aug 12, 2025 - 11:35am Layout Name: Layout1 By: apence



NOTES:

- TOPOGRAPHY AND EXISTING FEATURES DATED MAY 02, 2025 PROVIDED BY FIRMATEK, LLC.
- PROPOSED LIMITS OF CLOSURE AND FINAL COVER GRADES PROVIDED BY HHNT (HODGES, HARBIN, NEWBERRY, AND TRIBBLE) AND OTHERS.



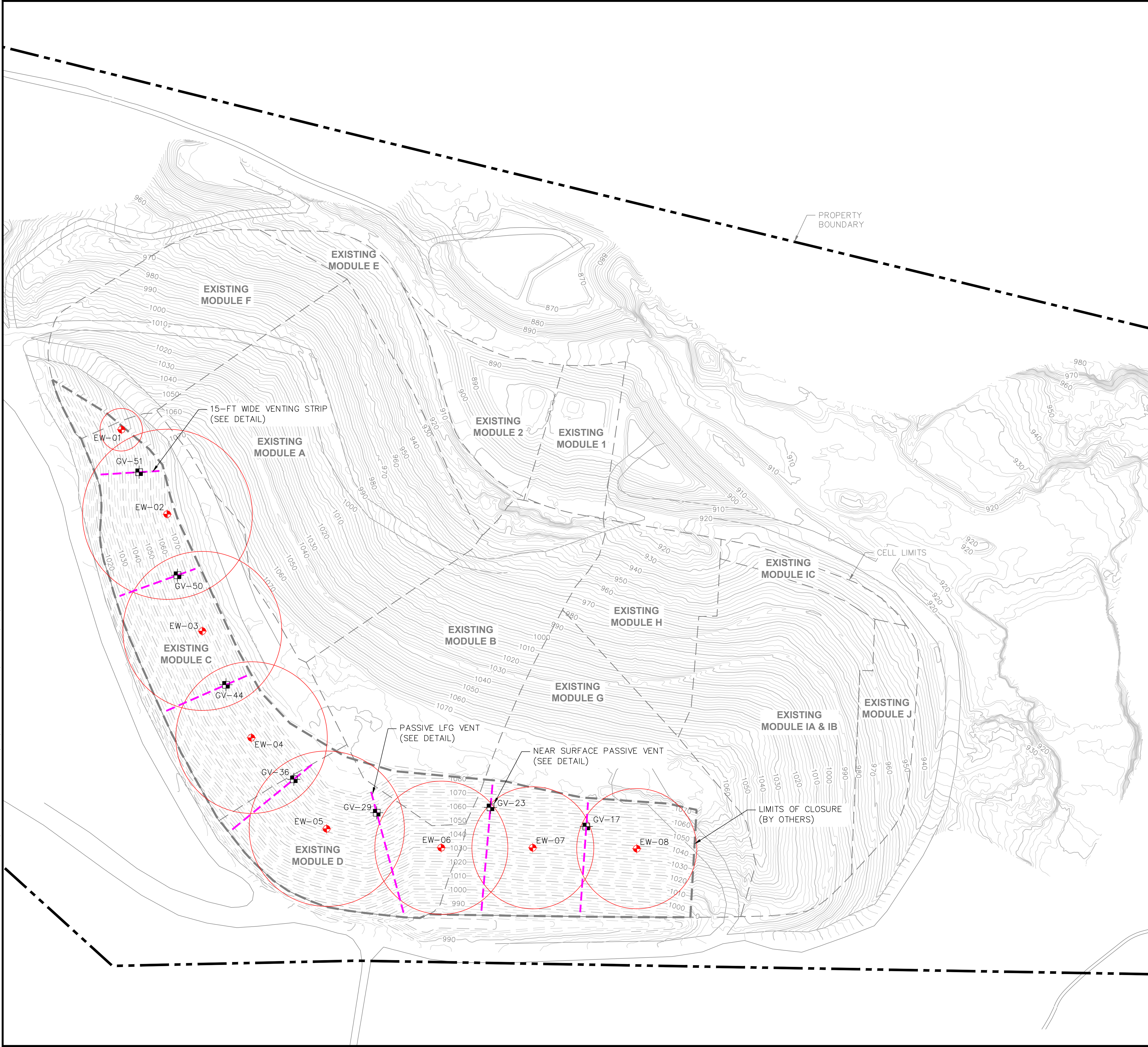
EXISTING LEGEND

- 10-FOOT ELEVATION CONTOUR
- 2-FOOT ELEVATION CONTOUR
- 10-FOOT ELEVATION CONTOUR (FINAL COVER GRADES)
- 2-FOOT ELEVATION CONTOUR (FINAL COVER GRADES)
- LIMITS OF WASTE
- LIMITS OF CLOSURE CAP
- PROPERTY LINE

ISSUED FOR BID
NOT FOR CONSTRUCTION
DATE:08/08/2025

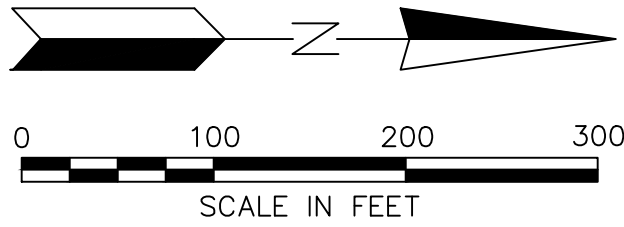
REVISION		DATE
NO.		
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
41		
42		
43		
44		
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
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		

M:\CADD\PROJECT DRAWINGS\Matlock Bend\VBLE - CA-1 CAPPING EVENT\Drawings\SF703-LFG SITE PLAN V03.dwg Aug 12, 2025 - 11:44am Layout Name: Layout Bp. gponce



NOTES:

1. TOPOGRAPHY AND EXISTING FEATURES DATED MAY 02, 2025 PROVIDED BY FIRMATEK, LLC.
2. PROPOSED LIMITS OF CLOSURE AND FINAL COVER GRADES PROVIDED BY HHNT (HODGES, HARBIN, NEWBERRY, AND TRIBBLE) AND OTHERS.
3. APPROXIMATE LANDFILL GAS RADIUS OF INFLUENCE ASSUMES 2.0 TIMES PROPOSED WELL DEPTH.



EXISTING LEGEND

- 900 — 10-FOOT ELEVATION CONTOUR
- 2-FOOT ELEVATION CONTOUR
- - - 900 - - 10-FOOT ELEVATION CONTOUR (FINAL COVER GRADES)
- - - 2-FOOT ELEVATION CONTOUR (FINAL COVER GRADES)
- - - - - LIMITS OF WASTE
- - - - - LIMITS OF CLOSURE CAP
- - - - - PROPERTY LINE

PROPOSED LEGEND

- EW-XX - PASSIVE LFG VERTICAL EXTRACTION WELLS
- GV-XX - PASSIVE NEAR SURFACE VENTS
- - APPROX. LFG COLLECTION RADIUS OF INFLUENCE
- - - - - PASSIVE LFG VENTING STRIP

ISSUED FOR BID
NOT FOR CONSTRUCTION
DATE:08/08/2025

NO.	REVISION		DATE	

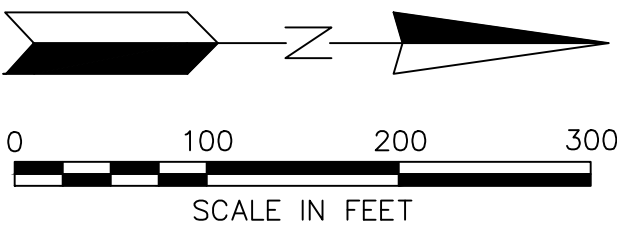
GCCS SITE PLAN	
SHEET TITLE	
PROJECT TITLE	MATLOCK BEND LANDFILL 2025 PARTIAL CLOSURE

CLIENT		SCS ENGINEERS	
		2520 WHITEHALL PARK DRIVE, SUITE 450 CHARLOTTE, NORTH CAROLINA 28273 PHONE: (704) 504-3107 FAX: (704) 504-3174	
PROJ. NO.	ESK. BY:	DWG. BY:	S/A. REV. BY:
	DJW	WJA	TAS
CADD FILE:		CHK. BY:	APP. BY:
		CAS	DJW
DATE:		AUGUST 2025	
SCALE:		AS SHOWN	
DRAWING NO.		03 of 06	

M:\CADD\PROJECT DRAWINGS\Matlock Bend\MBLE - CA-1 CAPPING EXIST\Drawings\SR704-BASE GRADES VOL1.dwg Aug 12, 2025 - 11:11am Layout Name: Layout1 By: epence



- NOTES:**
1. TOPOGRAPHY AND EXISTING FEATURES DATED MAY 02, 2025 PROVIDED BY FIRMATEK, LLC.
 2. PERMIT BASE GRADES PROVIDED BY SANDTEK ENVIRONMENTAL REPRESENT TOP OF SUBGRADE (BOTTOM OF CLAY).



EXISTING LEGEND

- 900 — BASE GRADE ELEVATION CONTOUR
- - - - - LIMITS OF WASTE
- - - - - LIMITS OF CLOSURE CAP
- . - . - . - PROPERTY LINE

PROPOSED LEGEND

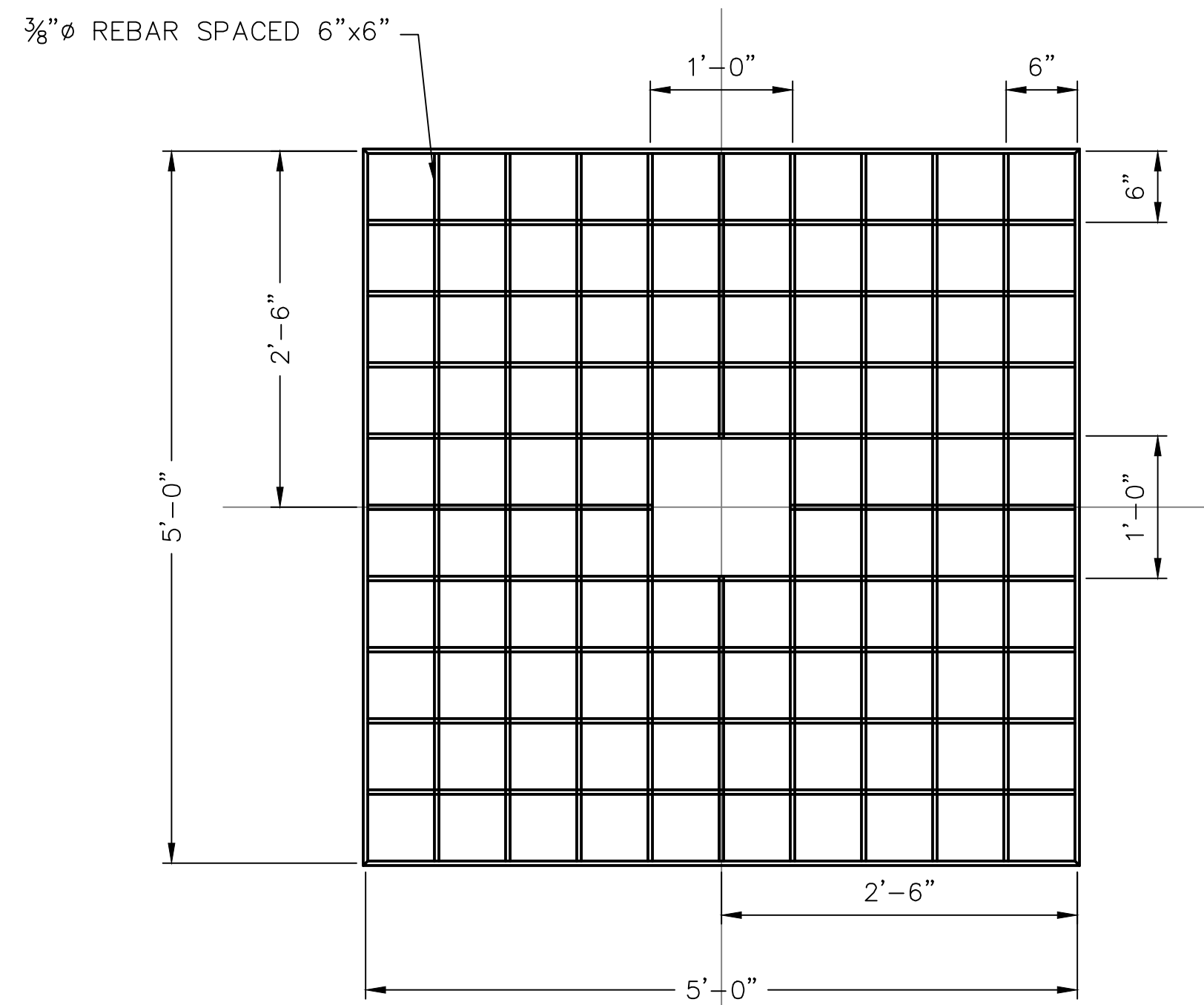
- EW-XX - PASSIVE LFG VERTICAL EXTRACTION WELLS

ISSUED FOR BID
NOT FOR CONSTRUCTION
DATE:08/08/2025

REVISION		DATE
NO.	Δ	Δ
SHEET TITLE		PROJECT TITLE
BASE GRADES SITE PLAN		MATLOCK BEND LANDFILL 2025 PARTIAL CLOSURE
CLIENT		SCS ENGINEERS 2520 WHITEHALL PARK DRIVE, SUITE 450 CHARLOTTE, NORTH CAROLINA 28273 PHONE: (704) 504-3107 FAX: (704) 504-3174
CADD FILE:		PROJ. NO. DWG. BY: WJA S/A RW BY: TJS
DATE:		DATE: AUGUST 2025
SCALE:		SCALE: AS SHOWN
DRAWING NO.		DWG. BY: CAS APP. BY: DJW
04		of 06

Well ID	Northing	Easting	Est. Ground Elevation	Actual Ground Elevation	Base Grade	Borehole Depth	Perforated Pipe	Solid Pipe Below Grade	Solid Pipe Above Grade	Gravel Pack
	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
EW-01	496,617	2,470,699	1046	TBD	988	38	32	5	8	33
EW-02	496,716	2,470,882	1070	TBD	958	92	86	5	8	87
EW-03	496,792	2,471,135	1064	TBD	958	86	80	5	8	81
EW-04	496,898	2,471,366	1060	TBD	958	82	76	5	8	77
EW-05	497,061	2,471,563	1052	TBD	948	84	78	5	8	79
EW-06	497,309	2,471,604	1030	TBD	938	72	66	5	8	67
EW-07	497,507	2,471,604	1034	TBD	948	66	60	5	8	61
EW-08	497,732	2,471,606	1038	TBD	953	65	59	5	8	60

1. BASE GRADE DATA FOR ALL PHASES WAS TAKEN FROM HISTORICAL DRAWINGS.
2. EXISTING LANDFILL SURFACE TOPOGRAPHY SHOWN ON SITE PLAN IS FROM MARCH 26, 2025 SURVEY BY FIRMATEK, LLC.
3. ACTUAL SURFACE ELEVATION OBTAINED FROM _____ SURVEY DATA PROVIDED BY _____.
4. CONTRACTOR AND CQA CONSULTANT SHALL VERIFY ALL FIELD CONDITIONS INCLUDING PRE-CONSTRUCTION WELL SURVEY STAKES AND NOTIFY ENGINEER OF ANY DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND CONDITIONS DEPICTED IN THESE PLANS PRIOR TO DRILLING.
5. FOLLOWING REVIEW OF SURVEY DATA, CONTRACTOR SHALL GET AUTHORIZATION FROM SITE AND ENGINEER PRIOR TO DRILLING.
6. NO DRILLING SHALL PROCEED WITHOUT AUTHORIZATION AND ACCEPTANCE INDICATED BY SIGNATURES BY ALL PARTIES ON THE WELL SCHEDULE.
7. WELL DEPTHS WILL VARY ACCORDING TO CONDITIONS ENCOUNTERED.



NTS

1. WELL BORE REINFORCEMENT GRATE SHALL BE 100% WELDED AND CONFIGURED WITH $\frac{3}{8}$ " REBAR WITH 6"x6" SPACING. GRATE SHALL HAVE A 12"x12" SQUARE CENTER SPACED CUTOUT FOR WELL CASING.
2. INSTALL WELL BORE REINFORCEMENT GRATE ON GROUND IMMEDIATELY AFTER COMPLETING WELL. DURING INSTALLATION OF LATERAL RISER, GRATE SHALL BE BURIED.

[illegible]

SHEET TITLE

PROJECT TITLE

MATLOCK BEND LANDFILL 2025 PARTIAL CLOSURE

CLIENT



**MATLOCK BEND LANDFILL
21712 HIGHWAY 72 NORTH
LOUDON COUNTY**

2520 WHITEHALL PARK DRIVE, SUITE 450
CHARLOTTE, NORTH CAROLINA 28273
PHONE: (704) 504-3107 FAX: (704) 504-3111

	D IW	CAS	D IW
... ..			

CADD FILE:

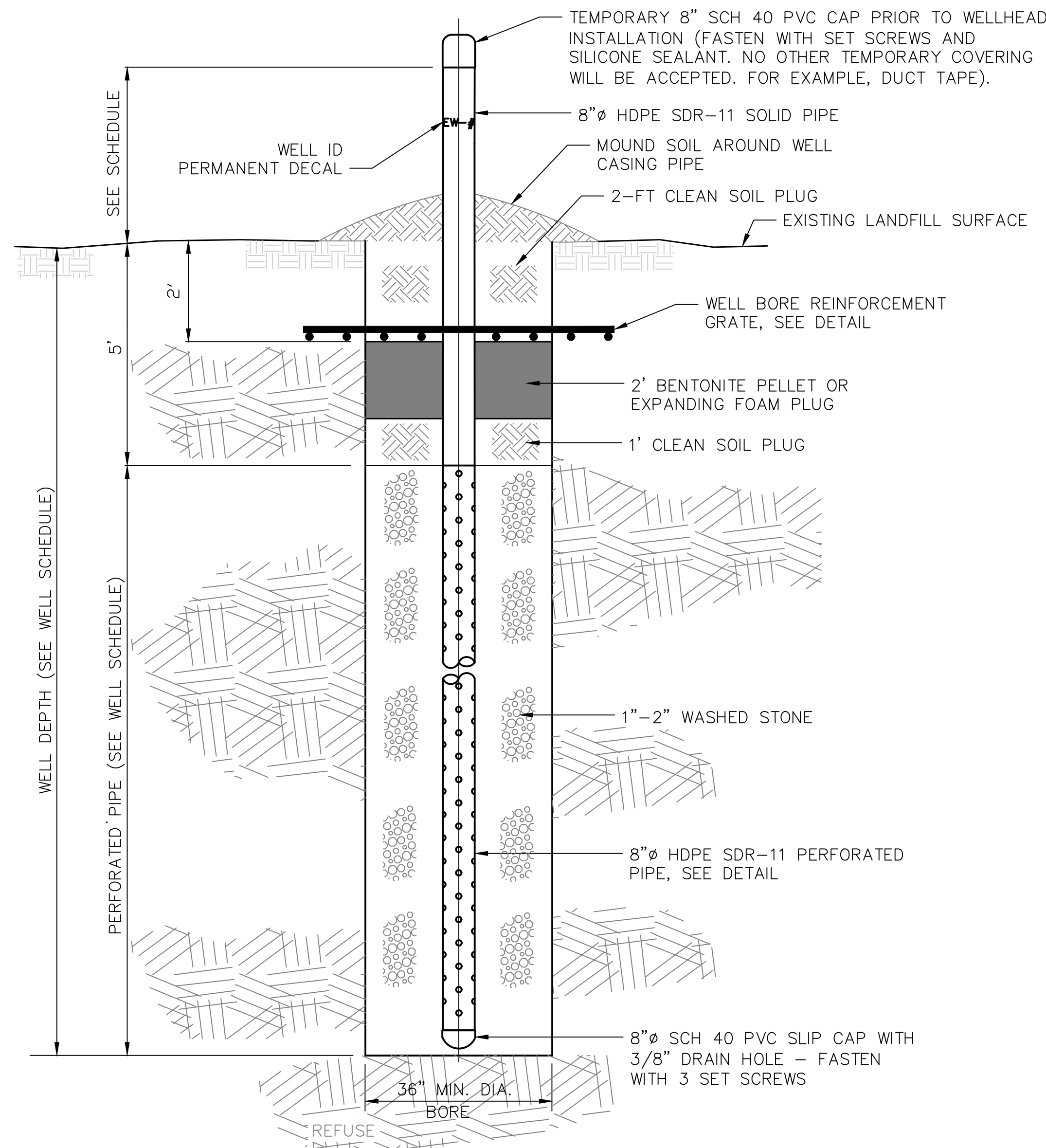
DATE:
AUGUST 2025

SCALE:
AS SHOWN

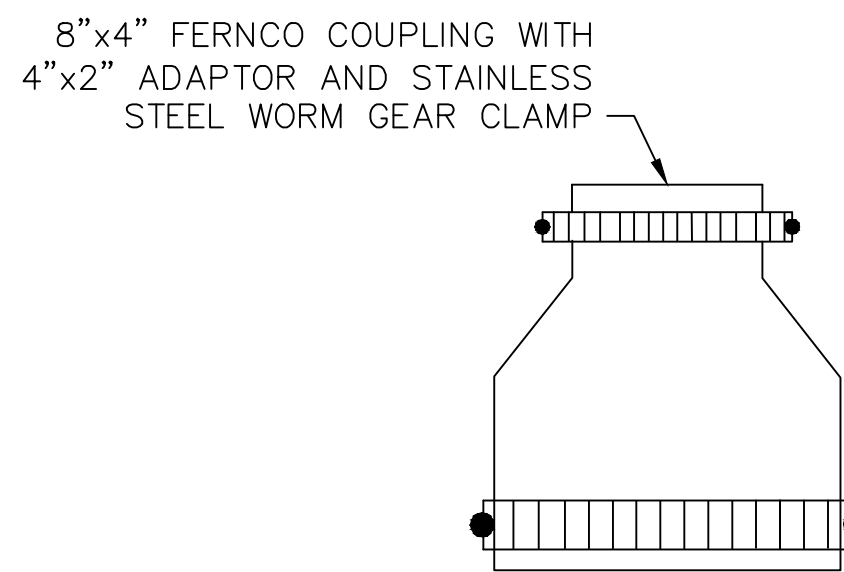
DRAWING NO.

ISSUED FOR BID
NOT FOR CONSTRUCTION
DATE: 08/08/2025

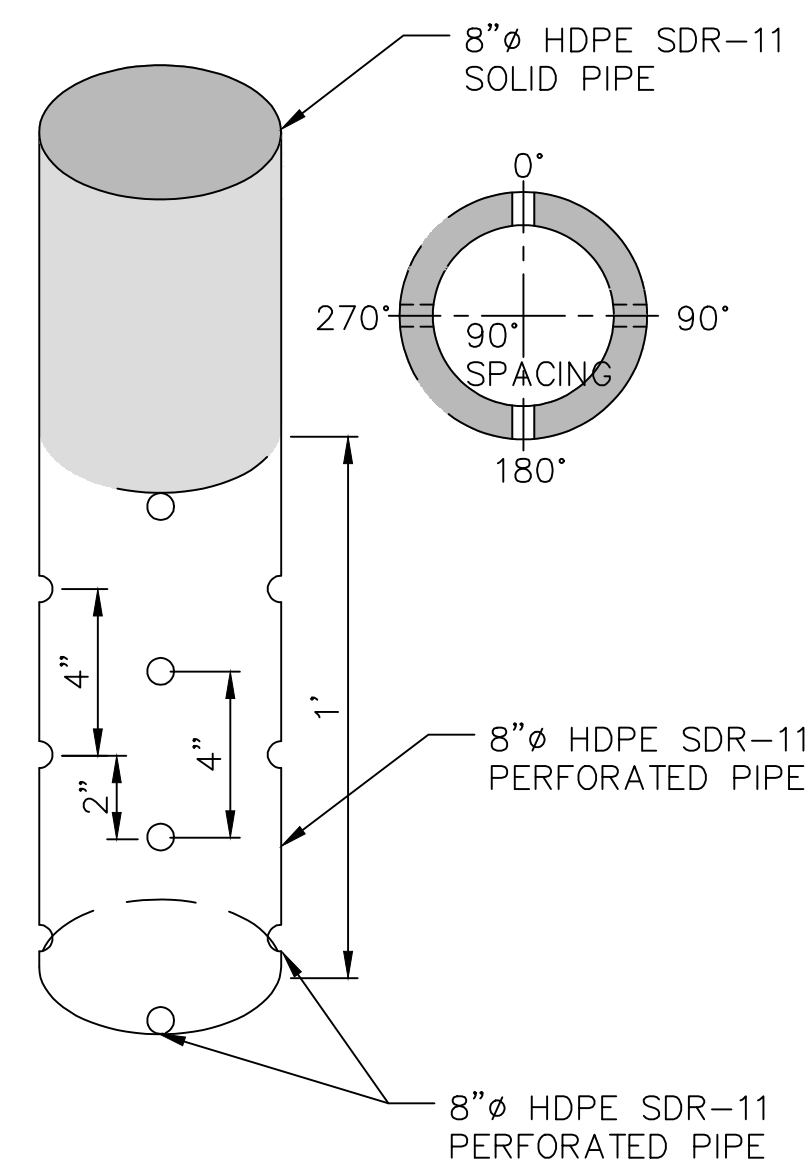
05 of 06



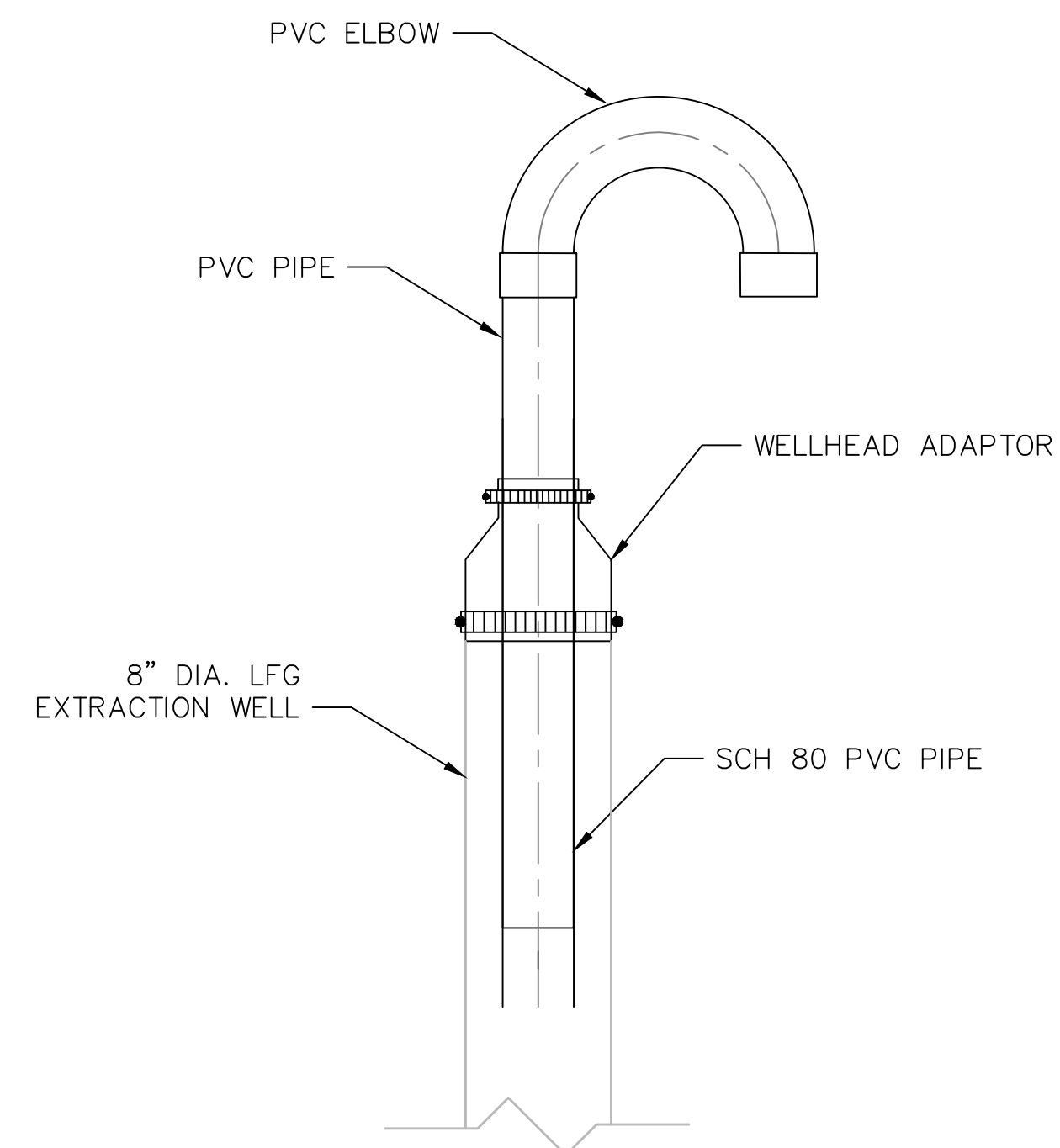
NTS



NTS

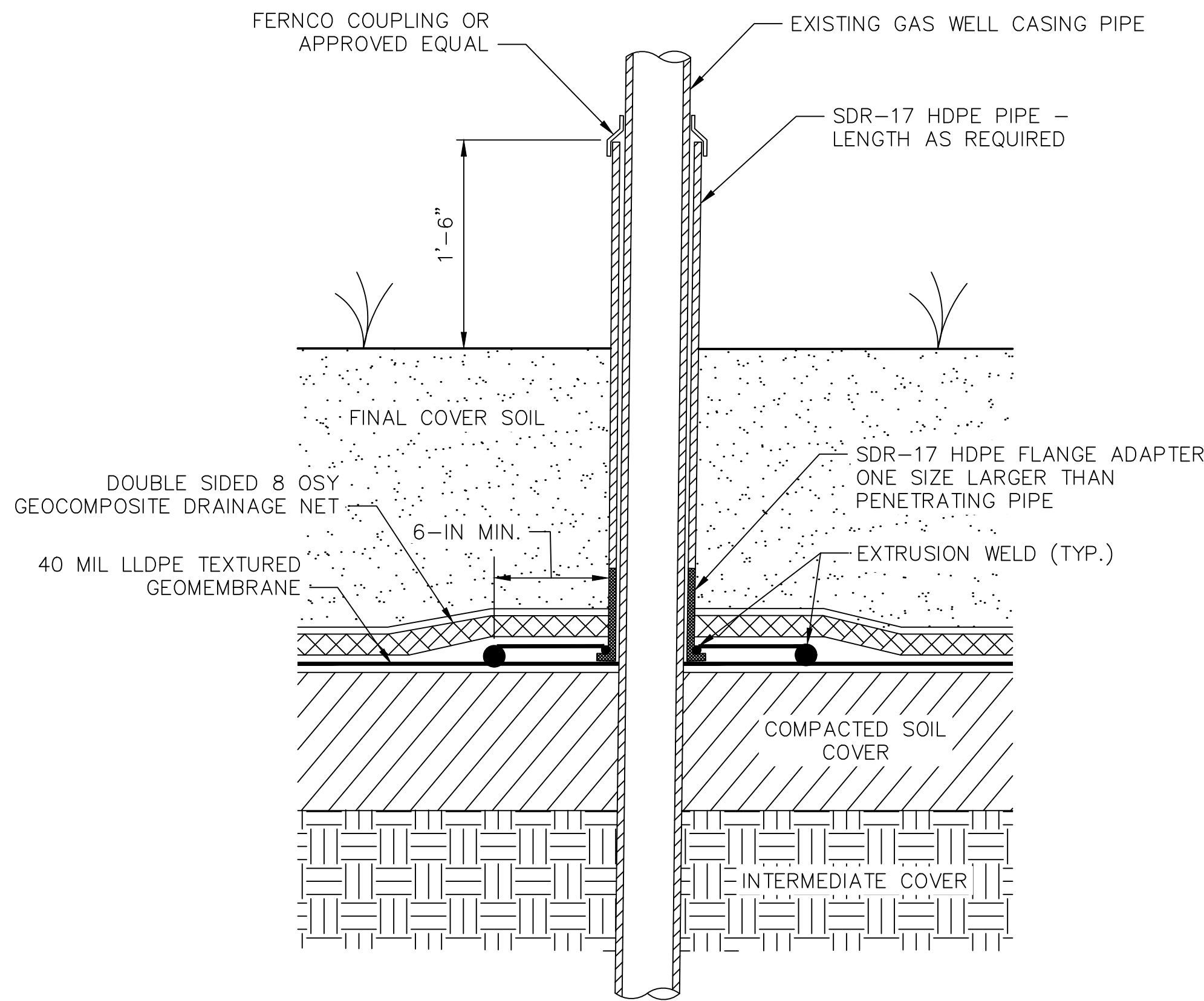


NTS

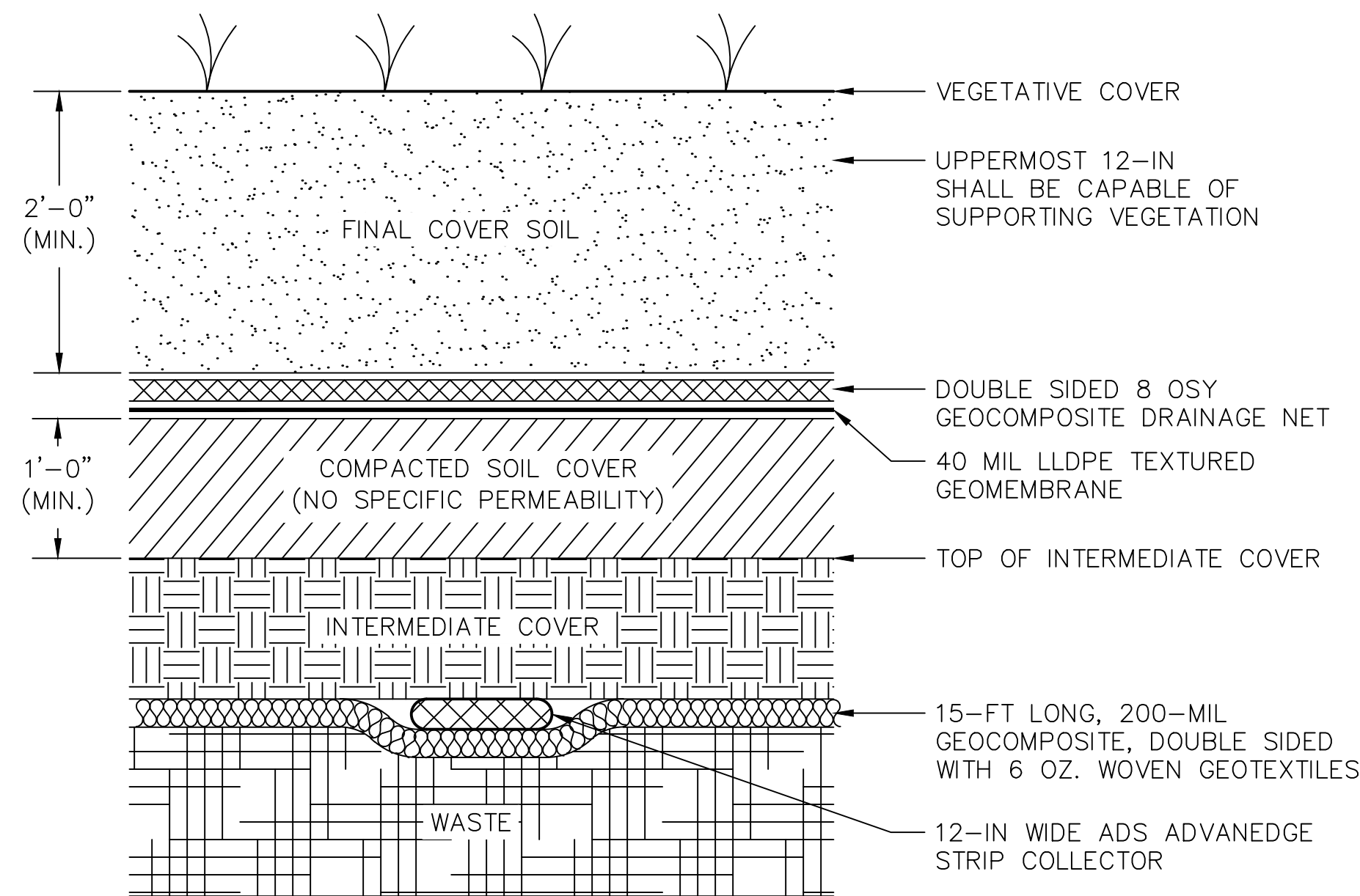


NTS

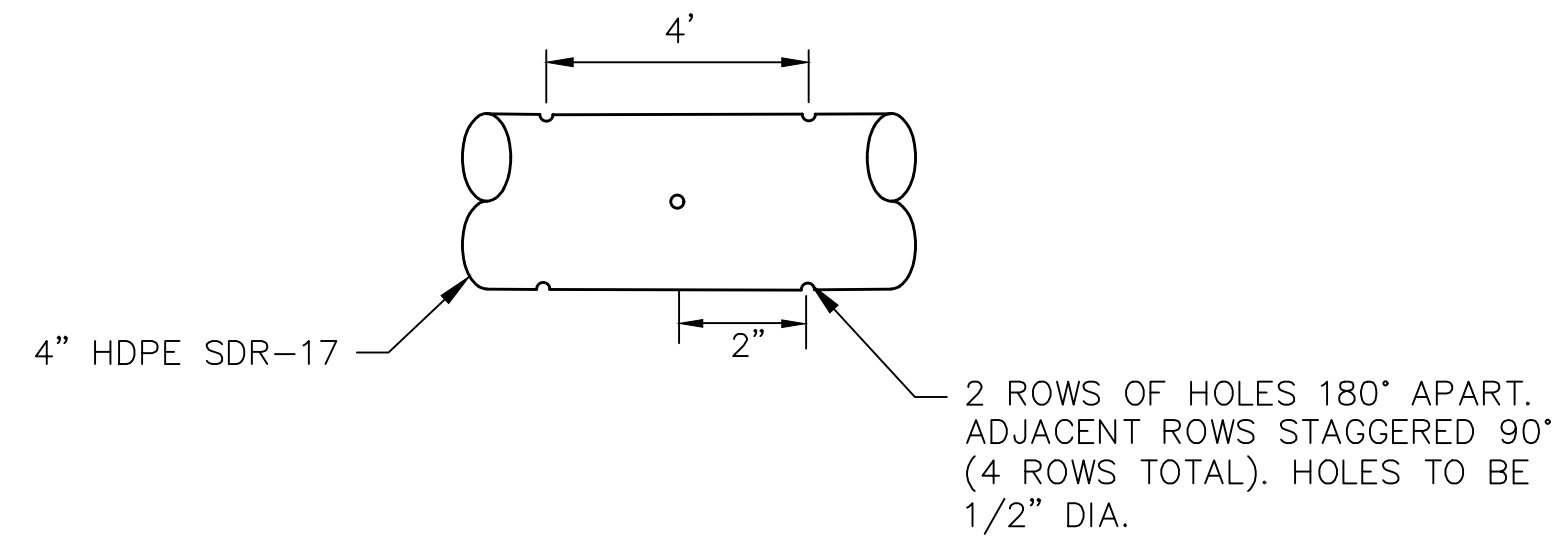
M:\CADD\PROJECT DRAWINGS\Matlock Bend\MBLF - CA-1 CAPPING EVENT\Drawings\SP105-06 - DETAILS\01.dwg, Aug 12, 2025 - 11:11am Layout Name: SP1 6 By: apence



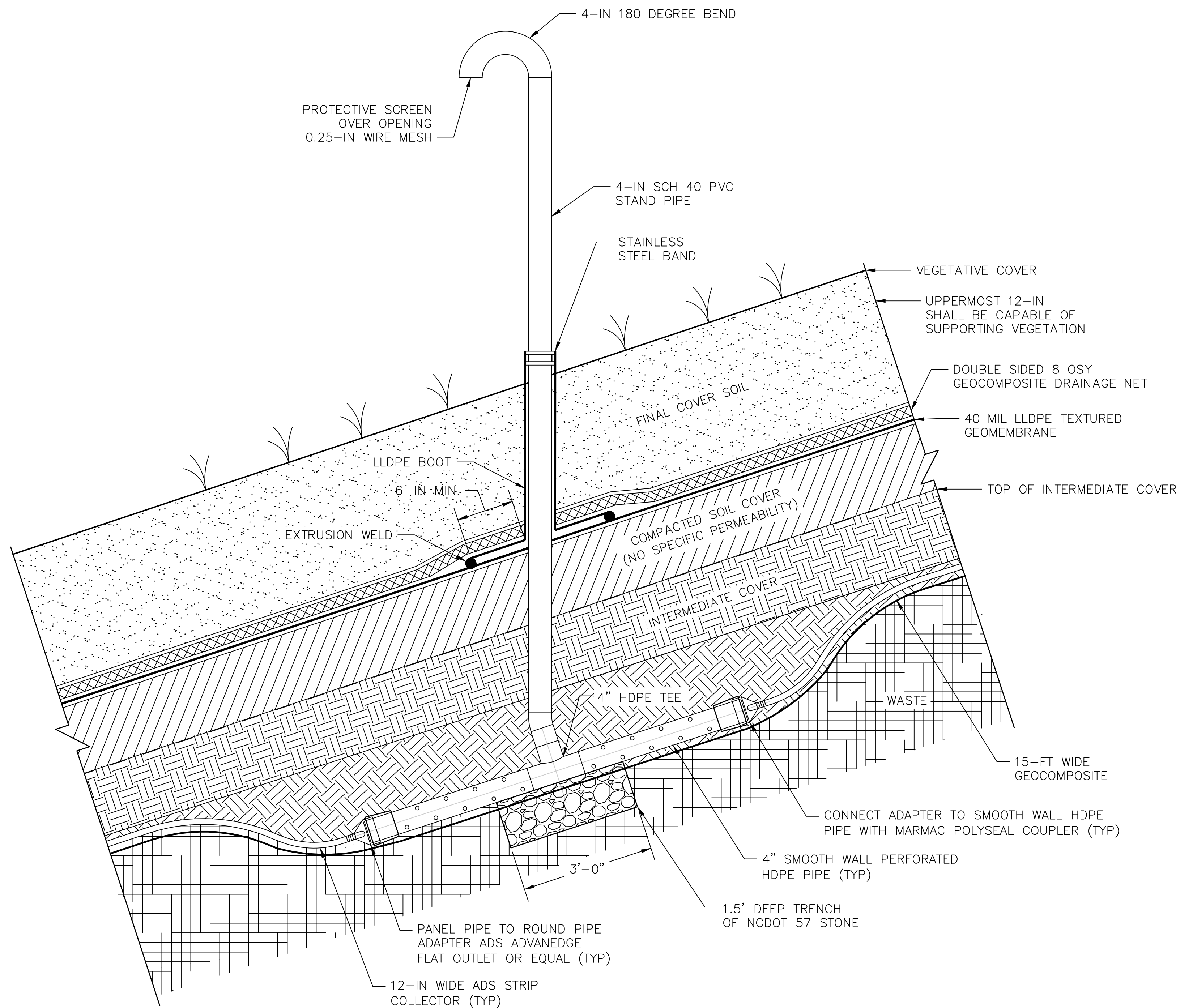
LFG WELL PIPE PENETRATION BOOT DETAIL
NTS



PASSIVE GAS VENTING STRIP PROFILE
NTS



PIPE PERFORATION DETAIL
NTS



PASSIVE GAS VENT DETAIL
NTS

ISSUED FOR BID
NOT FOR CONSTRUCTION
DATE: 08/08/2025

NO.	REVISION	DATE

DETAILS - 2

SHEET TITLE

PROJECT TITLE

**MATLOCK BEND LANDFILL
2025 PARTIAL CLOSURE**

CLIENT

SCS ENGINEERS
2520 WHITEHALL PARK DRIVE, SUITE 450
CHARLOTTE, NORTH CAROLINA 28273
PHONE: (704) 504-3107 FAX: (704) 504-3174

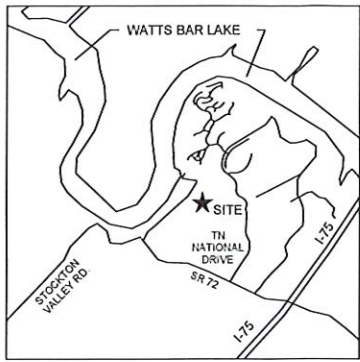
CADD FILE:

DATE:
AUGUST 2025

SCALE:
AS SHOWN

DRAWING NO.

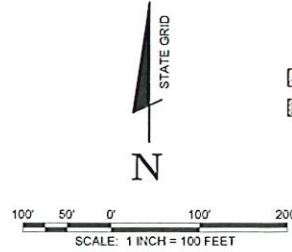
06 of 06



VICINITY MAP
NOT TO SCALE

NOTES:

1. TOTAL POD AREA - 48.82 ACRES WITH 29 LOTS, OPEN SPACE AND ROAD RIGHT-OF-WAY.
2. ZONING - PLANNED DEVELOPMENT DISTRICT REFERENCE THE LOUDON ZONING ORDINANCE, SECTION 14.415-NEIGHBORHOOD EDGE-DEVELOPMENT STANDARDS FOR ALL SITE DEVELOPMENT REGULATIONS.
3. SETBACKS ARE 25-FOOT FRONTYARD, 5-FOOT SIDEYARD AND 15-FOOT REARYARD.
4. PROPOSED USE IS RESIDENTIAL, AVERAGE LOT SIZE IS 1.24 ACRES.
5. ROADS WILL BE PRIVATE WITHIN A 50-FOOT RIGHT-OF-WAY AND UTILITY EASEMENT.
6. SANITARY SEWER WILL BE A LOW PRESSURE SYSTEM AND WILL BE CONSTRUCTED TO LOCAL SEWER DISTRICT STANDARDS.
7. WATER WILL BE PUBLIC AND CONSTRUCTED TO LOCAL WATER DISTRICT STANDARDS.
8. IMPROVEMENTS WILL BE CONSTRUCTED TO CONFORM TO LOCAL MUNICIPALITY STANDARDS.
9. DEED REFERENCE - D.B. 430, PAGE 659
10. UTILITY, DRAINAGE AND CONSTRUCTION EASEMENTS OF 12' ALONG ALL ROAD RIGHT-OF-WAYS AND 5' ALONG ALL SIDE AND REAR LOT LINES PLUS OTHER EASEMENTS AS SHOWN.
11. UTILITY, DRAINAGE AND CONSTRUCTION EASEMENTS SHALL BE CENTERED ON DRAINAGE & SEWER STRUCTURES AS INSTALLED.
12. PROPOSED ROAD GRADES EXCEED THE 10% MAXIMUM AS DESCRIBED IN THE CITY OF LOUDON SUBDIVISION REGULATIONS FROM STATION 0+56.1+75 AND 5+50.7+35 ON EAGLES CREST COURT, HOWEVER, THE PROPOSED ROAD GRADES COMPLY WITH THE REQUIREMENTS SET FORTH IN THE CITY OF LOUDON DEVELOPMENT MANUAL SECTION 3-102.



LEGEND

1341 ADDRESS

EASEMENT TO BE ABANDONED AND/OR RELOCATED
NEW 20' DRAINAGE EASEMENT

LINE TABLE		
Line #	Direction	Length
L1	S14°21'16"E	78.72'
L2	S43°01'45"W	64.60'
L3	S25°41'47"W	50.00'
L4	N64°18'13"W	53.23'
L5	S28°28'33"E	81.86'
L6	S87°14'42"E	50.00'
L7	S77°00'01"E	20.17'
L8	N24°18'13"W	53.23'
L9	S83°55'05"W	10.88'
L10	N83°55'05"E	10.88'
L17	S56°41'57"W	183.77'
L18	OMIT	OMIT

LOT AREAS		
LOT	SQ. FT.	ACRES
1	12,954	0.30
2	17,132	0.39
3	22,178	0.51
4	27,350	0.63
5	32,523	0.75
6	37,695	0.87
7	42,868	0.98
8	47,551	1.09
9	55,603	1.27
10	173,379	3.98
11	150,910	3.46
12	50,172	1.15
13	50,431	1.16
14	50,431	1.16
15	50,431	1.16
16	50,403	1.16

LOT AREAS		
LOT	SQ. FT.	ACRES
17	48,469	1.11
18	45,206	1.04
19	48,405	1.11
20	OMIT	OMIT
21	49,536	1.14
22	84,702	1.94
23	77,675	1.78
24	90,433	2.08
25	67,549	1.55
26	78,794	1.81
27	54,445	1.25
28	73,496	1.69
29	68,138	1.56
30	35,997	0.83

C/L 20' DRAINAGE EASEMENT LINE TABLE		
Line #	Direction	Length
L11	N43°20'30"W	150.00'
L12	N76°52'18"W	166.27'
L13	N54°10'24"W	152.81'
L14	S16°41'49"E	216.31'
L15	S51°14'06"W	25.51'
L16	S35°22'44"W	107.20'

CURVE TABLE					
Curve #	Length	Radius	Delta	Chd. Length	Chd. Bearing
C1	14.33'	11.00'	74°39'02"	13.34'	N78°22'16"E
C2	124.95'	175.00'	40°54'37"	122.32'	S84°45'32"E
C3	176.43'	125.00'	80°52'05"	162.14'	S34°21'07"W
C4	161.65'	475.00'	19°29'56"	160.87'	N12°30'16"E
C5	101.57'	525.00'	11°05'04"	101.41'	S08°17'50"W
C6	170.47'	525.00'	18°36'16"	169.72'	S23°08'30"W
C7	61.56'	525.00'	6°43'06"	61.52'	S35°48'11"W
C8	10.82'	11.00'	56°22'07"	10.39'	S10°55'40"W
C9	275.90'	54.00'	292°44'15"	59.82'	N50°50'16"W
C10	10.82'	11.00'	56°22'07"	10.39'	N67°20'48"E
C11	55.70'	475.00'	6°43'06"	55.66'	N35°48'11"E
C12	84.45'	475.00'	10°11'24"	84.37'	N27°20'56"E
C13	160.65'	225.00'	40°54'37"	157.26'	N34°45'32"W
C14	247.00'	175.00'	80°52'05"	227.00'	S34°21'07"W
C15	117.81'	75.00'	90°00'00"	106.07'	S38°55'05"W
C16	10.82'	11.00'	56°22'07"	10.39'	N87°53'51"W
C17	275.90'	54.00'	292°44'15"	59.82'	S06°04'55"E
C18	10.82'	11.00'	56°22'07"	10.39'	N55°44'01"E
C19	196.35'	125.00'	90°00'00"	176.78'	N38°55'05"E
C20	4.33'	125.00'	1°59'01"	4.33'	S42°02'16"W

Certification of Sewerage Systems

I certify that the sewage disposal system installed, or proposed for installation fully meet requirements of the Tennessee State Health Department, and is approved as shown with all restrictions/conditions as noted.

Date: _____ Local Health Authority

Certificate of Approval of Street Names and Addresses

I hereby certify that (1) the names of existing public roads shown on this subdivision plat are correct, (2) the names of any new road, whether public or private, do not duplicate any existing names and said names are approved, and (3) the property addresses of the lots shown on this plat are in conformance with the E-911 System.

Date: _____ E-911 Authority

Certificate of Streets

I certify that the streets and related appurtenances installed, or proposed for installation, fully meet the specifications established by the Regional Planning Commission.

Date: _____ Road Engineer/Highway Commission

Certificate of Approval for Recording

I certify that this plat has been found to comply with the subdivision requirements for the planning region, with the exception of such variances, if any, which are noted. All improvements have been installed or an acceptable surety posted in order to assure completion. This plat is approved for recording in the office of the County Register.

Date: _____ Secretary, Regional Planning Commission

Certification of Approval of Water Systems

I certify that the water system installed, or proposed for installation fully meet requirements of the Tennessee State Health Department, and is hereby approved as shown.

Date: _____ City or County Health Officer

Certificate of Ownership and Dedication

This is to certify that the owner (s) of the property shown and described hereon hereby adopt this subdivision plat and dedicate all streets, alleys, walks, parks or other public ways and open spaces to public or private uses as noted.

Date: _____ Owner

Certification of Survey

I hereby certify that this is category _____ survey and the ratio of precision of the unadjusted survey is 1: _____ as shown hereon. This survey has been prepared in accordance with The Standards of Practice for Land Survey in the state of Tennessee.

Date: _____ Tenn. Reg. No. _____

MATLOCK BEND ROAD

N/F: TN NATIONAL LLC
D.B. 430, PG. 659

N/F: TN NATIONAL LLC
D.B. 430, PG. 659

U.S. CELLULAR LEASE
D.B. T1043, PG. 516

N/F: LOUDON COUNTY SOLID
WASTE DISPOSAL COMMISSION
D.B. 212, PG. 216

BARGE
DESIGN SOLUTIONS

520 West Summit Hill Drive / Suite 1302 / Knoxville, Tennessee 37902
PHONE: (865) 637-2110 / FAX: (865) 673-0554

FINAL PLAT

TAX MAP 23, PART OF PARCEL 1.00
TENNESSEE NATIONAL POD 29-30
LOUDON COUNTY, TENNESSEE

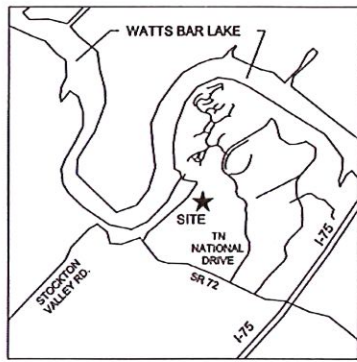
REVISION INFORMATION		DATE	DESCRIPTION
CHK	DATE	BY	DESCRIPTION
1	01/11/2024	JD	ISSUED FOR PERMIT
2	02/26/2024	JD	PERMIT TO CONSTRUCT
3	03/26/2024	JD	PROJECT TO BE LOCATED IN LOT 29 & 30

SHEET 2 OF 2

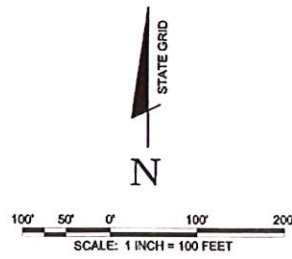
FILE NO. 35824-23

OWNER:
TN NATIONAL, LLC
8301 TN NATIONAL DR.
LOUISVILLE, TN 37774
ATTN: NICK JAMES
PHONE: 605-408-9992

SURVEYOR:
BARGE DESIGN SOLUTIONS
520 WEST SUMMIT HILL DR.
KNOXVILLE, TN 37902
TIM ROBINSON, RLS 2044
PHONE: 605-934-4142



VICINITY MAP
NOT TO SCALE



- NOTES:
- TOTAL POD AREA - 48.82 ACRES WITH 29 LOTS, OPEN SPACE AND ROAD RIGHT-OF-WAY.
 - ZONING - PLANNED DEVELOPMENT DISTRICT REFERENCE THE LOUDON ZONING ORDINANCE, SECTION 14-415-NEIGHBORHOOD EDGE-DEVELOPMENT STANDARDS FOR ALL SITE DEVELOPMENT REGULATIONS.
 - SETBACKS ARE 25-FOOT FRONTYARD, 5-FOOT SIDEYARD AND 15-FOOT REARYARD.
 - PROPOSED USE IS RESIDENTIAL, AVERAGE LOT SIZE IS 1.24 ACRES.
 - ROADS WILL BE PRIVATE WITHIN A 50-FOOT RIGHT-OF-WAY AND UTILITY EASEMENT.
 - SANITARY SEWER WILL BE A LOW PRESSURE SYSTEM AND WILL BE CONSTRUCTED TO LOCAL SEWER DISTRICT STANDARDS.
 - WATER WILL BE PUBLIC AND CONSTRUCTED TO LOCAL WATER DISTRICT STANDARDS.
 - IMPROVEMENTS WILL BE CONSTRUCTED TO CONFORM TO LOCAL MUNICIPALITY STANDARDS.
 - DEED REFERENCE - D.B. 430, PAGE 659
 - UTILITY, DRAINAGE AND CONSTRUCTION EASEMENTS OF 12' ALONG ALL ROAD RIGHT-OF-WAYS AND 5' ALONG ALL SIDE AND REAR LOT LINES PLUS OTHER EASEMENTS AS SHOWN.
 - UTILITY, DRAINAGE AND CONSTRUCTION EASEMENTS SHALL BE CENTERED ON DRAINAGE & SEWER STRUCTURES AS INSTALLED.
 - PROPOSED ROAD GRADES EXCEED THE 10% MAXIMUM AS DESCRIBED IN THE CITY OF LOUDON SUBDIVISION REGULATIONS FROM STATION 0+56-1+75 AND 5+50-7+35 ON EAGLES CREST COURT; HOWEVER, THE PROPOSED ROAD GRADES COMPLY WITH THE REQUIREMENTS SET FORTH IN THE CITY OF LOUDON DEVELOPMENT MANUAL SECTION 3-102.

N/F: LOUDON COUNTY SOLID
WASTE DISPOSAL COMMISSION
D.B. 350, PG. 26

N/F: TN NATIONAL LLC
D.B. 430, PG. 659

N/F: LOUDON COUNTY SOLID
WASTE DISPOSAL COMMISSION
D.B. 212, PG. 216

LINE TABLE		
Line #	Direction	Length
L1	S14°21'16"E	78.72'
L2	S43°01'46"W	64.60'
L3	S25°41'47"W	50.00'
L4	N64°18'13"W	53.23'
L5	S28°28'33"E	81.88'
L6	S87°14'42"E	50.00'
L7	S77°00'01"E	20.17'
L8	N64°18'13"W	53.23'
L9	S83°55'05"W	10.88'
L10	N83°55'05"E	10.88'
L17	S56°41'57"W	183.77'
L18	OMIT	OMIT

LOT AREAS		
LOT	SQ.FT.	ACRES
1	12,954	0.30
2	17,132	0.39
3	22,178	0.51
4	27,350	0.63
5	32,523	0.75
6	37,895	0.87
7	42,868	0.98
8	47,551	1.09
9	356,803	8.19
10	173,379	3.98
11	150,910	3.46
12	50,172	1.15
13	50,431	1.16
14	50,431	1.16
15	50,431	1.16
16	50,403	1.16

LOT AREAS		
LOT	SQ.FT.	ACRES
17	48,469	1.11
18	45,206	1.04
19	48,405	1.11
20	OMIT	OMIT
21	49,536	1.14
22	84,702	1.94
23	77,875	1.78
24	90,433	2.08
25	67,549	1.55
26	60,680	1.39
27	72,558	1.67
28	73,496	1.69
29	68,138	1.56
30	35,987	0.83

C/L 20' DRAINAGE EASEMENT LINE TABLE		
Line #	Direction	Length
L11	N43°20'30"W	150.00'
L12	N76°52'18"W	166.27'
L13	N54°10'24"W	152.81'
L14	S16°41'49"E	216.31'
L15	S51°14'05"W	25.51'
L16	S35°22'44"W	107.20'

CURVE TABLE					
Curve #	Length	Radius	Delta	Chd. Length	Chd. Bearing
C1	14.33'	11.00'	74°39'02"	13.34'	N76°22'16"E
C2	124.95'	175.00'	40°54'37"	122.32'	S84°45'32"E
C3	176.43'	125.00'	80°52'05"	162.14'	S34°21'07"W
C4	161.65'	475.00'	19°29'55"	160.87'	N12°30'16"E
C5	101.57'	525.00'	11°05'04"	101.41'	S08°17'50"W
C6	170.47'	525.00'	16°36'16"	169.72'	S23°08'30"W
C7	61.56'	525.00'	6°43'06"	61.52'	S35°48'11"W
C8	10.82'	11.00'	56°22'07"	10.39'	S10°58'40"W
C9	275.90'	54.00'	292°44'15"	59.82'	N50°50'16"W
C10	10.82'	11.00'	56°22'07"	10.39'	N57°20'49"E
C11	55.70'	475.00'	6°43'06"	55.66'	N35°48'11"E
C12	84.48'	475.00'	10°11'24"	84.37'	N27°20'56"E
C13	160.65'	225.00'	40°54'37"	157.26'	N84°45'32"W
C14	247.00'	175.00'	80°52'05"	227.00'	S34°21'07"W
C15	117.81'	75.00'	90°00'00"	106.07'	S38°55'05"W
C16	10.82'	11.00'	56°22'07"	10.39'	N87°53'51"W
C17	275.90'	54.00'	292°44'15"	59.82'	S08°04'55"E
C18	10.82'	11.00'	56°22'07"	10.39'	N55°44'01"E
C19	196.35'	125.00'	90°00'00"	176.78'	N38°55'05"E
C20	4.33'	125.00'	1°59'01"	4.33'	S42°02'16"W

SEE SHEET 2 FOR
CERTIFICATIONS

OWNER:
TN NATIONAL, LLC
8301 TN NATIONAL DR.
LOUDON, TN 37774
ATTN: NICK JAMES
PHONE: 865-403-9992

SURVEYOR:
BARGE DESIGN SOLUTIONS
520 WEST SUMMIT HILL DR.
KNOXVILLE, TN 37902
TIM ROBINSON, RLS 2044
PHONE: 865-934-4142

FINAL PLAT

TAX MAP 23, PART OF PARCEL 1.00
TENNESSEE NATIONAL POD 29 & 30
LOUDON COUNTY, TENNESSEE

REVISION INFORMATION			
REV.	DATE	DESCRIPTION	BY
1	05-28-2025	ISSUED FOR REVIEW	

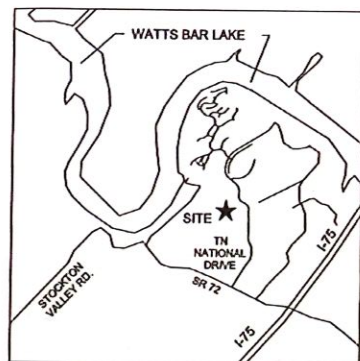
SHEET 1 OF 2

FILE NO. 35824-23

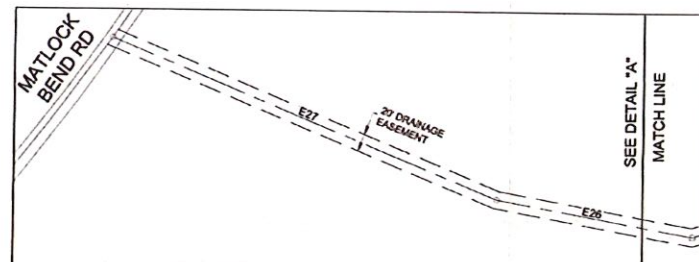


BARGE
DESIGN SOLUTIONS

520 West Summit Hill Drive, Suite 1002, Knoxville, Tennessee 37902
PHONE: (615) 934-4142 FAX: (615) 934-4144



VICINITY MAP
NOT TO SCALE



DETAIL "A"
1" = 100'

- NOTES:
1. TOTAL POD AREA - 64.28 ACRES WITH 43 LOTS, OPEN SPACE AND ROAD RIGHT-OF-WAY.
 2. ZONING - PLANNED DEVELOPMENT DISTRICT. REFERENCE THE LOUDON ZONING ORDINANCE, SECTION 14-415-NEIGHBORHOOD EDGE-DEVELOPMENT STANDARDS FOR ALL SITE DEVELOPMENT REGULATIONS.
 3. SETBACKS ARE 25-FOOT FRONTYARD, 5-FOOT SIDEYARD AND 15-FOOT REARYARD.
 4. PROPOSED USE IS RESIDENTIAL, AVERAGE LOT SIZE IS 1.35 ACRES.
 5. ROADS WILL BE PRIVATE WITHIN A 50-FOOT RIGHT-OF-WAY AND UTILITY EASEMENT.
 6. SANITARY SEWER WILL BE A LOW PRESSURE SYSTEM AND WILL BE CONSTRUCTED TO LOCAL SEWER DISTRICT STANDARDS.
 7. WATER WILL BE PUBLIC AND CONSTRUCTED TO LOCAL WATER DISTRICT STANDARDS.
 8. IMPROVEMENTS WILL BE CONSTRUCTED TO CONFORM TO LOCAL MUNICIPALITY STANDARDS.
 9. DEED REFERENCE - D.B. 430, PAGE 659
 10. UTILITY, DRAINAGE AND CONSTRUCTION EASEMENTS OF 12' ALONG ALL ROAD RIGHT-OF-WAYS AND 5' ALONG ALL SIDE AND REAR LOT LINES PLUS OTHER EASEMENTS AS SHOWN.
 11. UTILITY, DRAINAGE AND CONSTRUCTION EASEMENTS SHALL BE CENTERED ON DRAINAGE & SEWER STRUCTURES AS INSTALLED.
 12. PROPOSED ROAD GRADES EXCEED THE 10% MAXIMUM AS DESCRIBED IN THE CITY OF LOUDON SUBDIVISION REGULATIONS FROM STATION 2+00 TO 4+75, 11+00 TO 18+25, & 23+75 TO 27+75 ON SUMMIT VIEW DRIVE; HOWEVER, THE PROPOSED ROAD GRADES COMPLY WITH THE REQUIREMENTS SET FORTH IN THE CITY OF LOUDON DEVELOPMENT MANUAL SECTION 3-102.

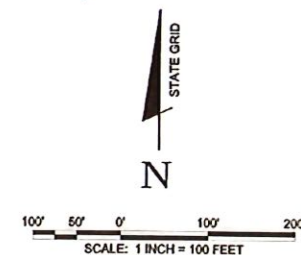
FUTURE DEVELOPMENT
N/F: TN NATIONAL LLC
D.B. 430, PG. 659

FUTURE DEVELOPMENT
N/F: TN NATIONAL LLC
D.B. 430, PG. 659

N/F: LOUDON COUNTY SOLID
WASTE DISPOSAL COMMISSION
D.B. 212, PG. 216

OWNER:
TN NATIONAL, LLC
8301 TN NATIONAL DR.
LOUDON, TN 37774
ATTN: NICK JAMES
PHONE: 665-408-9992

SURVEYOR:
BARGE DESIGN SOLUTIONS
520 WEST SUMMIT HILL DR.
KNOXVILLE, TN 37902
ATTN: TIM ROBINSON, RLS 2044
PHONE: 665-934-1142



LEGEND
[1341] ADDRESS

BARGE
DESIGN SOLUTIONS



FINAL PLAT
TAX MAP 23, PART OF PARCEL 1.00
TENNESSEE NATIONAL POD 28
LOUDON COUNTY, TENNESSEE

REVISION INFORMATION
NO.
DATE
BY
DESCRIPTION
1
05-10-2025
ADDED ADDRESS

SHEET 1 OF 2
FILE NO. 35824-23

SEE SHEET 2 FOR
CERTIFICATIONS AND TABLES



Monthly Operations Report
Matlock Bend Landfill
August 21, 2025

Presented by:
Republic Services, Inc.

- I. OPERATIONS
 - A. Tonnage Report
 - B. Customer Activity Report
 - C. Materials Classification Report
 - D. Waste Characterization Report
 - E. Tire Report
 - F. Landfill Comments
- II. Engineering Report
- III. Airspace Utilization Report
- IV. TDEC Inspection – June 2025
- V. Host and Security Fees Letter
- VI. Loudon Financial Information

Loudon Landfill Monthly Tonnages
Month Ending July 2025

Matlock Bend Landfill				2024	
Month	2024	2025		to 2025	
Jan	11,601	14,498	2,897		
Feb	14,407	14,212	(195)		
Mar	14,328	17,577	3,248		
Apr	15,194	17,012	1,818		
May	14,517	15,581	1,064		
Jun	14,735	15,462	727		
Jul	15,766	16,720	955		
Aug	16,204	0	0		
Sep	13,937	0	0		
Oct	16,577	0	0		
Nov	13,794	0	0		
Dec	15,052	0	0		
Total	176,112	111,062	10,514		
% of Total Tonnage			100%		

Daily Avg. for
any Running 30 Day Period 557

Loudon County				2024	
Month	2024	2025		to 2025	
Jan		529	477	(51)	
Feb		541	478	(64)	
Mar		574	603	29	
Apr		607	562	(44)	
May		596	621	24	
Jun		613	611	(2)	
Jul		615	620	5	
Aug		599	0	0	
Sep		486	0	0	
Oct		572	0	0	
Nov		516	0	0	
Dec		554	0	0	
Total		6,804	3,972	(104)	
% of Total Tonnage			4%		

Daily Avg. for
any Running 22.5 Day Period 743

Lenoir City				2024	
Month	2024	2025		to 2025	
Jan		434	395	(39)	
Feb		478	408	(71)	
Mar		529	483	(46)	
Apr		524	517	(7)	
May		565	521	(44)	
Jun		455	478	23	
Jul		484	504	19	
Aug		485	0	0	
Sep		424	0	0	
Oct		494	0	0	
Nov		399	0	0	
Dec		403	0	0	
Total		5,675	3,305	(165)	
% of Total Tonnage			3%		

Loudon, City of				2024	
Month	2024	2025		to 2025	
Jan		452	502	50	
Feb		467	433	(34)	
Mar		521	523	2	
Apr		572	579	7	
May		572	592	20	
Jun		538	544	6	
Jul		573	555	(19)	
Aug		557	0	0	
Sep		498	0	0	
Oct		526	0	0	
Nov		444	0	0	
Dec		517	0	0	
Total		6,237	3,728	32	
% of Total Tonnage			3%		

Republic Services, Inc.				2024	
Month	2024	2025		to 2025	
Jan		2,653	2,501	(152)	
Feb		3,063	2,499	(565)	
Mar		2,917	2,584	(334)	
Apr		3,197	2,695	(502)	
May		3,226	2,867	(359)	
Jun		2,812	2,848	36	
Jul		3,169	3,045	(123)	
Aug		3,259	0	0	
Sep		2,904	0	0	
Oct		3,056	0	0	
Nov		2,558	0	0	
Dec		2,539	0	0	
Total		35,353	19,039	(1,999)	
% of Total Tonnage			17%		

Waste Management				2024	
Month	2024	2025		to 2025	
Jan	1,385	1,401	16		
Feb	1,680	1,546	(134)		
Mar	1,679	1,604	(75)		
Apr	1,727	1,690	(37)		
May	1,629	1,580	(49)		
Jun	1,492	1,589	97		
Jul	1,504	1,575	71		
Aug	1,505	0	0		
Sep	1,400	0	0		
Oct	1,526	0	0		
Nov	1,311	0	0		
Dec	1,293	0	0		
Total	18,132	10,984	(112)		
% of Total Tonnage			10%		

Five Star Waste				2024	
Month	2024	2025		to 2025	
Jan		493	932	440	
Feb		547	1,155	608	
Mar		534	1,463	930	
Apr		677	1,566	888	
May		716	1,633	916	
Jun		1,097	1,680	583	
Jul		1,292	1,377	86	
Aug		1,219	0	0	
Sep		1,328	0	0	
Oct		1,680	0	0	
Nov		1,104	0	0	
Dec		1,380	0	0	
Total		12,067	9,806	4,451	
% of Total Tonnage			9%		

Ward Waste				2024	
Month	2024	2025		to 2025	
Jan		0	526	526	
Feb		0	506	506	
Mar		0	583	583	
Apr		0	641	641	
May		0	640	640	
Jun		0	632	632	
Jul		0	888	888	
Aug		0	0	0	
Sep		0	0	0	
Oct		0	0	0	
Nov		287	0	0	
Dec		605	0	0	
Total		892	4,417	4,417	
% of Total Tonnage			4%		

KCC ABC Material				2024	
Month	2024	2025		to 2025	
Jan		1,361	3,503	2,142	
Feb		1,925	3,012	1,087	
Mar		2,577	4,440	1,863	
Apr		2,561	3,643	1,082	
May		1,783	2,266	483	
Jun		3,095	2,471	(624)	
Jul		3,057	3,134	78	
Aug		3,498	0	0	
Sep		2,560	0	0	
Oct		3,630	0	0	
Nov		3,716	0	0	
Dec		3,808	0	0	
Total		33,571	22,469	6,110	
% of Total Tonnage			20%		

All Other Tons				2024	
Month	2024	2025		to 2025	
Jan		4,036	4,260	224	
Feb		6,039	4,176	(1,863)	
Mar		5,530	5,294	(236)	
Apr		6,005	5,118	(887)	
May		6,146	4,862	(1,284)	
Jun		5,730	4,609	(1,121)	
Jul		6,363	5,022	(1,341)	
Aug		6,301	0	0	
Sep		5,664	0	0	
Oct		6,773	0	0	
Nov		4,850	0	0	
Dec		5,939	0	0	
Total		69,376	33,342	(6,507)	
% of Total Tonnage			30%		

Materials Classification Report
Matlock Bend Landfill
Monthly Tonnage Summary July 2025

Material	Tonnage	2022 Sludge %		2023 Sludge %	
MSW					
MSW	10,972	January	7%	January	6%
		February	6%	February	9%
		March	6%	March	7%
		April	5%	April	7%
		May	5%	May	4%
		June	2%	June	6%
		July	10%	July	4%
		August	4%	August	6%
		September	7%	September	6%
		October	5%	October	5%
		November	5%	November	8%
		December	7%	December	7%
Special Waste					
Other	5,272				
Ash	0				
Sludge	477				
Total Special Waste	5,749				
Total MSW & SW	16,720				
Tires	0				
Total Material	16,720				
% MSW	66%				
% Special Waste	34%				
% Sludge *	3%				

2024 Sludge %		2025 Sludge %	
January	4%	January	5%
February	7%	February	7%
March	8%	March	7%
April	7%	April	5%
May	5%	May	6%
June	6%	June	5%
July	4%	July	3%
August	6%	August	0%
September	5%	September	0%
October	5%	October	0%
November	6%	November	0%
December	6%	December	0%

* Sludge % is stand alone,
 % Special Waste includes "Sludge"

2025 Loudon MSW and Special Waste Analysis

Material	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
MSW	7,862	8,286	9,661	10,153	10,376	10,558	10,972	0	0	0	0	0	67,868
Special Waste	6,635	5,926	7,916	6,859	5,204	4,904	5,749	0	0	0	0	0	43,193
Tires	0	0	0	0	1	0	0	0	0	0	0	0	1
Total	14,497	14,212	17,577	17,012	15,581	15,462	16,721	0	0	0	0	0	111,062
%													
MSW	54%	58%	55%	60%	67%	68%	66%	0%	0%	0%	0%	0%	61%
Special Waste	46%	42%	45%	40%	33%	32%	34%	0%	0%	0%	0%	0%	39%
Total	100%	100%	100%	100%	100%	100%	100%	0%	0%	0%	0%	0%	100%

**2025-2026 Matlock Bend Landfill Tire
Report**

Month	Tons (OB)	Each (IB)
Jul-25	42.47	1,099
Aug-25	0.00	0
Sep-25	0.00	0
Oct-25	0.00	0
Nov-25	0.00	0
Dec-25	0.00	0
Jan-26	0.00	0
Feb-26	0.00	0
Mar-26	0.00	0
Apr-26	0.00	0
May-26	0.00	0
Jun-26	0.00	0
Total	42.47	1,099

Loudon Landfill Comments Log July 2025

Calendar Day	Day of Week	Time of Day	Complainant Name	Complainant Number	Complaint	Resolution	Res Time
1	T			() -			
2	W						
3	TH						
4	F						
5	SA						
6	SU						
7	M						
8	T						
9	W						
10	TH						
11	F						
12	SA						
13	SU						
14	M						
15	T						
16	W						
17	TH						
18	F						
19	SA						
20	SU						
21	M						
22	T						
23	W						
24	TH						
25	F						
26	SA						
27	SU						
28	M						
29	T						
30	W						
31	TH						

August 21, 2025

Loudon County (Matlock Bend) Landfill Engineering August Update

- 1) Module 1 and Module 2 Construction
 - a. Expected completion last week in August to first week in September.
 - i. Mod 1 is completed, and details have been submitted to TDEC.
 1. Submitted for transparency, not for approval.
 - a. Will allow for quicker approval when ready for certification
 - ii. All leachate has been diverted to Mod 1.
 - iii. Geo buffer in Mod 2 has been re-graded.
 1. Lew will be onsite to inspect before clay liner.
 - b. Slip-line of Module A Gravity Line.
 - i. POs have been issued. Currently encountering delays related to the plug that will be inserted at the base of Mod A low-point.
 - ii. Timeline appears to be running parallel with cell completion.
- 2) CA-1 Capping Event
 - a. Revised approach from 13.1-acres to 10.1-acres.
 - i. SCS Engineers provided additional gas designs.
 1. Intermediate depth installation to allow for passive gas flow.
 2. No plans for applied vacuum at this time.
 - 2024 Tier II yielded results well below
 - ii. Republic ready to award bid and issue POs.
 - b. Timing – September is target commencement. – Awaiting LCSWC approval
 - i. Republic needs to complete in 2025.
 1. Additional delays may be encountered due to winter conditions.
- 3) East Ditch – Leachate seeps controlled with additional rock sumps and pumps.
 - a. The current setup prevents leachate from entering ditch.
 - i. Additional “fingers” will be installed to expand ROI of each sump.
 - b. Permanent 3-phase power will be extended to the east slope to service pumps and any future improvements on east side of the hill.
- 4) Pond #2 – No discharge and still remediating.
 - a. Aerating for 14 weeks.
 - i. July sampling event results show elevated NH3.
 - ii. Sampled again on 8/14.
 - b. Will continue to remediate until back into Section L compliance.
- 5) Leachate Tank (s)
 - a. Tank inspected in May 2025
 - i. Southeastern Tank Inspection Report received July 8, 2025.
 1. No damages to tank, needs to be re-anchored.



Matlock Bend Landfill
21712 TN-72, Loudon, TN 37774
o 865.458.2651 republicservices.com

2. New skirts and anchor bolts will be installed ahead of return to operation.
 3. Still waiting on quotes and lead times to complete repair.
Expecting completion in September.
- b. New leachate tank to be installed in 2026. Requirement per Expansion Permit.
 - i. Current tank will stay in place and a new constructed primary and secondary tank to be installed west of maintenance shop.
 - ii. Will allow for full perimeter road access around the landfill.
- 6) Stormwater Basin Near Cell Construction
 - a. It has been dewatered and mucked.
 - i. Soil samples received on 8/14 and show no impacts.
 - ii. Will submit to TDEC to return to compliance and finish outfall construction.
- 7) Borrow Area
 - a. PO has been issued to begin classification.
 - i. Awaiting LCSWC approval.
 - ii. Will need General Construction Permit
 1. Land Disturbance Permit (LDP) may not be needed due to association with government entity.
- 8) Other Items:
 - a. Purdy Spring was sampled in June 2025.
 - i. Data will be summarized on the semi-annual report due 8/23/25.
 - b. Paula Plont inspected the dark surface water on the east side of the facility entrance. This area was sampled by TDEC and submitted for laboratory analysis in February 2025. No issues were observed and "black colorations due to manganese deposits oxidizing".

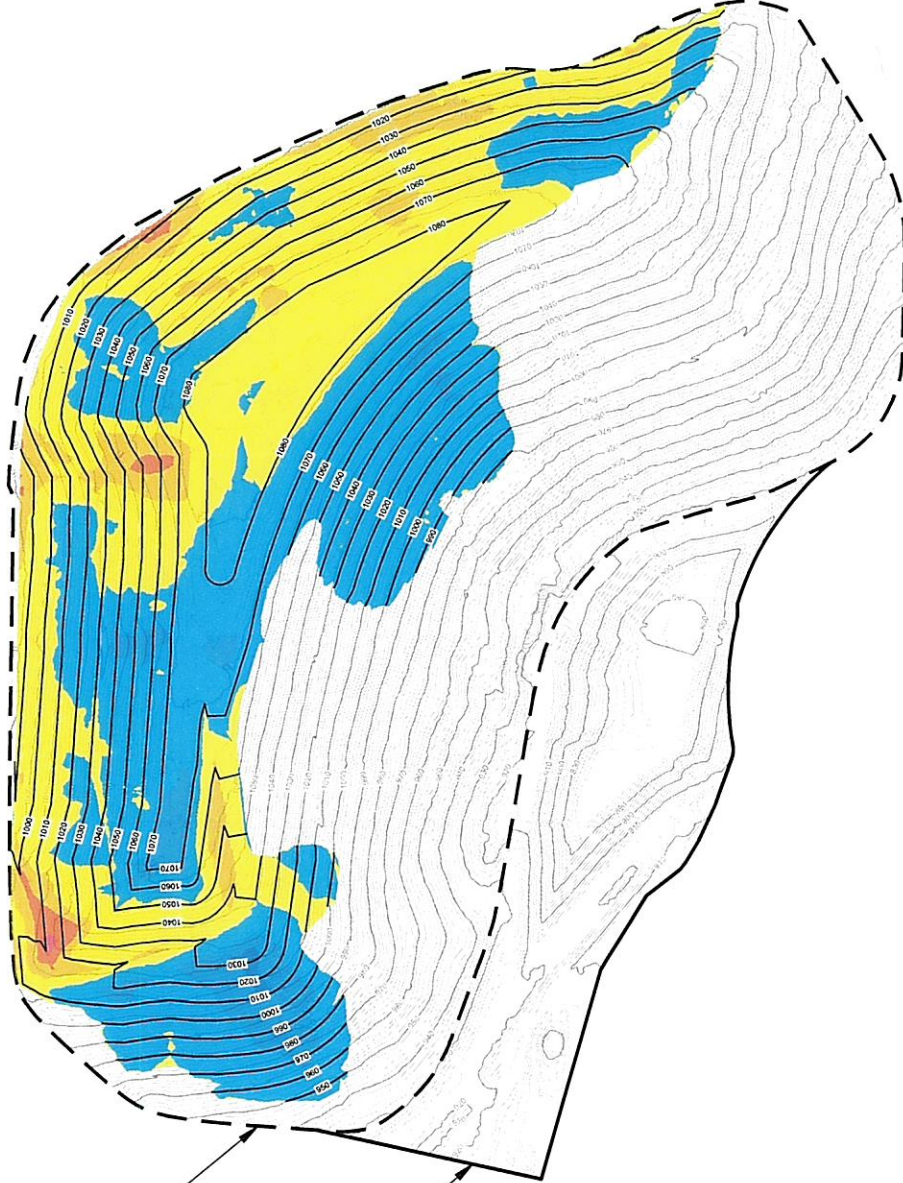
CUT: 53,391 CY
FILL: 43,562 CY
NET: 9,829 <CUT>

NOTES:
1. THIS VOLUME ISOPACH WAS DEVELOPED FROM THE FOLLOWING SURFACES:

BOTTOM SURFACE
AERIAL TOPOGRAPHIC SURVEY BY FIRMATEK, LLC.,
DATED JULY 7, 2025.

TOP SURFACE
OPERATIONAL CONSTRUCTED GRADING PLAN
DEVELOPED BY HHNT AT THE DIRECTION AND
APPROVAL OF REPUBLIC SERVICES, INC. CONTOURS
REPRESENT TOP OF INTERMEDIATE COVER.

ELEVATIONS TABLE			
NUMBER	MINIMUM ELEVATION	MAXIMUM ELEVATION	COLOR
1	-20.00	-15.00	
2	-15.00	-10.00	
3	-10.00	-5.00	
4	-5.00	0.00	
5	0.00	5.00	
6	5.00	10.00	
7	10.00	15.00	

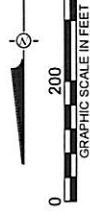


EXISTING LANDFILL CELL
BOUNDARY

FUTURE LANDFILL CELL
BOUNDARY

CONSTRUCTED REMAINING CAPACITY

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



DATE: 07-17-2025



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND
CONSERVATION
DIVISION OF SOLID WASTE MANAGEMENT
DAVY CROCKETT TOWER, 7TH FLOOR
500 JAMES ROBERTSON PARKWAY
NASHVILLE, TN 37243

Initial Inspection

CHECK IF UNDER
ENFORCEMENT
ACTION ☐

DATE
8/11/2025

TIME
14:00

WEATHER
88F clear/lt clouds

CLASS I FACILITY INSPECTION CHECKLIST

Loudon County Landfill SNL530000203 21712 Highway 72 North Loudon

EFO
KNOX

*SEE DISCLAIMER ON LAST PAGE

VIOLATION

REGULATION

OBSERVATION
NVO AOC V1 V2

RECORDS AND REPORTS

**CERTIFIED PERSONNEL NOT PRESENT
DURING OPERATING HOURS**

0400-11-01-.04(2)(b)5.

☒ NA ☐ ☐

COMMENTS

**TRAINED PERSONNEL NOT PRESENT
DURING OPERATING HOURS**

0400-11-01-.04(2)(b)5.
0400-11-01-.04(2)(b)4.

☒ NA ☐ ☐

COMMENTS

**PERMITS, PLANS, OPERATING MANUAL
NOT AVAILABLE**

0400-11-01-.02(5)(a)(7).

☒ NA ☐ ☐

COMMENTS

The permit authorization letter, document binders & drawings were reviewed & confirmed to match the latest set.

**INADEQUATE RANDOM
INSPECTION PROGRAM**

0400-11-01-.04(2)(s)

☒ ☐ ☐ ☐

COMMENTS

random inspections reviewed ~ 1st week of August 8/1/chosen and 5% was documented

**NO OPERATING SCALES AND/OR
FAILURE TO MAINTAIN WASTE
RECORDS**

T.C.A. 68-211-862(a)(b)(1)(2)

☒ NA ☐ ☐

COMMENTS

**OPERATION DOES NOT CORRESPOND
WITH ENGINEERING PLANS**

T.C.A. 68-211-104(3)
T.C.A. 68-211-105(b)

☒ ☐ ☐ ☐

COMMENTS

**OPERATION DOES NOT CORRESPOND
WITH PERMIT CONDITIONS**

T.C.A. 68-211-104(3)
0400-11-01-.02(5)(a)1.

☒ NA ☐ ☐

COMMENTS

*SEE DISCLAIMER ON LAST PAGE			
VIOLATION		REGULATION	OBSERVATION NVO AOC V1 V2
GENERAL FACILITY STANDARDS			
ACCESS NOT LIMITED TO OPERATING HOURS		0400-11-01-.04(2)(a)4.	☒ ☐ ☐ ☐
COMMENTS			
INADEQUATE INFORMATION SIGNS		0400-11-01-.04(2)(b)2	☒ ☐ ☐ ☐
COMMENTS			
INADEQUATE ARTIFICIAL OR NATURAL BARRIER		0400-11-01-.04(2)(b)1.	☒ ☐ ☐ ☐
COMMENTS			
INADEQUATE EMPLOYEE FACILITIES		0400-11-01-.04(2)(e)	☒ ☐ ☐ ☐
COMMENTS			
UNSATISFACTORY ACCESS ROAD(S)/ PARKING AREA(S)		0400-11-01-.04(2)(b)3.	☒ ☐ ☐ ☐
COMMENTS	Complaint previous week received & conditions reviewed. Hwy 72 @gate appeared clean, sufficient rock on road at office and up looked fine. Trail out was not apparent. Wet areas at right & left of gate observed and SWPP inspection report provided from 2-18-25 which notes a natural spring (manganese causing the black) deposits on ground and iron documented. Water today was clear & vegetation found=seep.		
NO COMMUNICATION DEVICES		0400-11-01-.04(2)(f)	☒ ☐ ☐ ☐
COMMENTS			
INADEQUATE FIRE PROTECTION		0400-11-01-.04(2)(c)2.	☒ ☐ ☐ ☐
COMMENTS			
NO PERMANENT BENCHMARK		0400-11-01-.04(2)(o)	☒ ☐ ☐ ☐
COMMENTS			
BUFFER ZONE STANDARD VIOLATED		0400-11-01-.04(3)(a)	☒ ☐ ☐ ☐
COMMENTS			

*SEE DISCLAIMER ON LAST PAGE			
VIOLATION		REGULATION	OBSERVATION NVO AOC V1 V2
OVERALL PERFORMANCE STANDARDS			
UNSATISFACTORY LITTER CONTROL		0400-11-01-.04(2)(d)	☒ ☐ ☐ ☐
COMMENTS			
INADEQUATE DUST CONTROL		0400-11-01-.04(2)(j)	☒ ☐ ☐ ☐
COMMENTS			
INADEQUATE VECTOR CONTROL		0400-11-01-.04(2)(a)1.	☒ ☐ ☐ ☐
COMMENTS			
POTENTIAL FOR EXPLOSIONS OR UNCONTROLLED FIRES		0400-11-01-.04(2)(a)2. 0400-11-01-.04(5)(a)	☒ ☐ ☐ ☐
COMMENTS			
UNAPPROVED SALVAGING OF WASTE		0400-11-01-.04(2)(b)6.	☒ ☐ ☐ ☐
COMMENTS			
LEACHATE MANAGEMENT			
LEACHATE OBSERVED AT THE SITE		0400-11-01-.04(2)(a)(3).	☐ ☒ ☐ ☐ ☐ ☐ ☐ ☐ ☐ NA NA ☐
*LEACHATE ON EXTERNAL SLOPE *LEACHATE ENTERING RUN-OFF *LEACHATE ENTERING A WATER COURSE			
COMMENTS	Leachate observed in two locations- inside at construction tie in (new liner placed) to run liquids down into new cells. Also other area is up at high end at Module G. This area has been blocked by dirt in front of culvert to provide holding and is being pumped into forcemain pipe observed transporting those recovered liquids over to the new pipes for management. This is acceptable management until all piping/cell completed & until G gets closed in upcoming this year closure. Site to maintain pumps. Berms to be maintained to restrict/prevent flow to pipe & off footprint.		
INADEQUATE MAINTENANCE OF LEACHATE MANAGEMENT SYSTEM (Inspector check and record (i) Sump Levels (ii) Interception surfaces and piping (iii) Tanks. "Sumps: <12" NVO, 12"<36" V1, >36" V2")		0400-11-01-.04(2)(a)(3). 0400-11-01-.04(4)(a)7.	☒ ☐ ☐ ☐
COMMENTS	sump checked reading = 13 inches in compliance.		
Leachate Improperly Managed		0400-11-01-.04(4)(a)8.(i-iii)	☒ ☐ ☐ ☐
COMMENTS			

*SEE DISCLAIMER ON LAST PAGE			
VIOLATION		REGULATION	OBSERVATION NVO AOC V1 V2
LEACHATE MANAGEMENT			
INADEQUATE LEACHATE COLLECTION SYSTEM		0400-11-01-.04(4)(a)7.	☒ ☐ ☐ ☐
COMMENTS	mobile frac tanks on site and being used. Tank inspected and repair event expected with quality test to enable approved use.		
EROSION CONTROL			
INADEQUATE EROSION CONTROL		0400-11-01-.04(2)(i)6. & 0400-11-01-.04(8)(c)4(ii)	☒ ☐ ☐ ☐
COMMENTS			
INADEQUATE MAINTENANCE OF RUN-ON/RUN-OFF SYSTEM(S)		0400-11-01-.04(2)(i)1-5 0400-11-01-.04(8)(c)4(i)	☒ ☐ ☐ ☐
COMMENTS	Pond 2 is being aerated and observed blocked with clay- not currently discharging. Testing is being done and be reported for all sector L constituents prior to it being re-opened. Pond 3 was cleaned and observed dry with new release & shaped per new plan expected to be finished soon . This is associated with Spring impact with treatment by aeration considered acceptable.		
EXPOSED SOLID WASTE		0400-11-01-.04(2)(a)(3).	☒ ☐ ☐ ☐
COMMENTS			
GAS AND GROUNDWATER MIGRATION			
INADEQUATE GAS MIGRATION CONTROL SYSTEM		0400-11-01-.04(5)(a)	☒ ☐ ☐ ☐
COMMENTS			
INADEQUATE MAINTENANCE OF GAS MIGRATION CONTROL SYSTEM		0400-11-01-.04(5)(a)	☒ ☐ ☐ ☐
COMMENTS			
GROUNDWATER MONITORING SYSTEM IMPROPERLY MAINTAINED		0400-11-01-.02(5)(a)4.	☒ ☐ ☐ ☐
COMMENTS			
COVER REQUIREMENTS			
UNAVAILABILITY OF COVER MATERIAL		0400-11-01-.04(2)(h)	☒ ☐ ☐ ☐
COMMENTS			
UNSATISFACTORY INITIAL COVER		0400-11-01-.04(6)(a)3. 0400-11-01-.04(6)(a)5.	☒ ☐ ☐ ☐
COMMENTS			

*SEE DISCLAIMER ON LAST PAGE			
VIOLATION		REGULATION	OBSERVATION NVO AOC V1 V2
COVER REQUIREMENTS			
UNSATISFACTORY INTERMEDIATE COVER		0400-11-01-.04(6)(a)4. 0400-11-01-.04(6)(a)5.	☒ ☐ ☐ ☐
COMMENTS			
UNSATISFACTORY FINAL COVER		0400-11-01-.04(6)(a)6. 0400-11-01-.04(8)(c)3(i)	☒ ☐ ☐ ☐
COMMENTS			
UNSATISFACTORY STABILIZATION OF COVER		0400-11-01-.04(6)(a)5	☒ ☐ ☐ ☐
COMMENTS			
OPERATIONS AND WASTE HANDLING			
INADEQUATE OPERATING EQUIPMENT		0400-11-01-.04(2)(g)	☒ ☐ ☐ ☐
COMMENTS			
UNAVAILABILITY OF BACKUP EQUIPMENT		0400-11-01-.04(2)(g)	☒ ☐ ☐ ☐
COMMENTS			
WASTE NOT CONFINED TO A MANAGEABLE AREA		0400-11-01-.04(6)(a)1.	☒ ☐ ☐ ☐
COMMENTS			
IMPROPER SPREADING OF WASTE		0400-11-01-.04(6)(a)2.	☒ ☐ ☐ ☐
COMMENTS			
IMPROPER COMPACTING OF WASTE		0400-11-01-.04(6)(a)2.	☒ ☐ ☐ ☐
COMMENTS			

*SEE DISCLAIMER ON LAST PAGE

VIOLATION		REGULATION	OBSERVATION NVO AOC V1 V2			
OPERATIONS AND WASTE HANDLING						
MISHANDLING OF SPECIAL WASTE		0400-11-01-.01(4)(d)1.	☒	NA	☐	☐
COMMENTS						
EVIDENCE OF OPEN BURNING		0400-11-01-.04(2)(c)1.	☒	NA	☐	☐
COMMENTS						
DUMPING OF WASTE INTO WATER		0400-11-01-.04 (2)(a)3.	☒	☐	☐	☐
COMMENTS						
WASTE RESTRICTIONS						
UNAUTHORIZED WASTE ACCEPTED		0400-11-01-.04(2)(k)1.	☒	NA	☐	☐
COMMENTS						
UNAPPROVED SPECIAL WASTE ACCEPTED		0400-11-01-.01(4)(b) 0400-11-01-.01(4)(c)5	☒	NA	☐	☐
COMMENTS						
DEAD ANIMALS IMPROPERLY HANDLED		0400-11-01-.04(2)(k)5.(ii) (I-III)	☒	NA	☐	☐
COMMENTS						
TIRES IMPROPERLY HANDLED		0400-11-01-.04(2)(k)3.	☒	☐	☐	☐
COMMENTS						
MEDICAL WASTE IMPROPERLY HANDLED		0400-11-01-.04(2)(k)4.	☒	☐	☐	☐
COMMENTS						

LEACHATE LEVELS

The one sump reading was low and good. the other pipes are gravity flow so no additional readings will be applicable until the new sumps in the new cells begin operation after the construction is finished and the CQA report & certification documents are accepted in writing by the Division.

**Disclaimer:*

The information contained in the checklists is not intended to be all inclusive and is subject to change, and are intended solely for use by Division of Solid Waste Management. These checklists are not a substitute for evaluation of compliance in accordance with applicable laws and regulations, and are not intended for, nor can they be relied upon, to create any rights, substantive or procedural, enforceable or usable by any party in litigation with the State of Tennessee or its employees.

SAVE FORM

Follow-Up Inspection Date

Inspector Name

Paula Plont

Digitally signed by Paula Plont
Date: 2025.08.12 15:03:10 -04'00'

ADDITIONAL COMMENTS



Front Road Hwy 72 photo conditions- clean acceptable 8/11/25 @ 11am



front Road Hwy 72 at mailbox photo condition-seep water is clear DWR 2/18/25 TMSP report provided identifying manganese & iron and known natural spring (visible both sides of landfill driveway) & noted catails, weeping willow tree & wetland grass species in center view. DSWM does not consider this liquid to be from waste/leachate.



Photo shows area G toe is wet and pumps are pushing liquids to the other side currently to inside ~B pumping which runs to frac tanks. The culvert is blocked and this area is planned for closure top liner system. Run off is not possible today to the pond and confinement & management required and considered mitigation until pending closure work for this section.



August 1, 2025

Loudon County Solid Waste Disposal Commission
Attn: Chief Deputy Clerk
101 Mulberry Street Suite 203
Loudon, TN 37774

Dear Trustee:

Pursuant to Section 10.6 and 10.7 of the Sanitary Landfill Operation Agreement between Loudon and Santek as of July 1, 2007, Second Amendment Section 10.6 dated July 12, 2022, Santek agreed to pay the Commission a host fee and security fee as defined in the agreement. The following recap reflects the calculation for the period of July 2025:

<u>Host Fees (Greater of below)</u>			
Total Tip Fees Billed	\$516,157.73	Total Tonnage Received	16,720.48
Host Fee Percentage	5.5%	Rate per Ton	<u>\$1.00</u>
	\$28,388.68		\$16,720.48
Minimum Fee	\$10,750.00		
	=====		

<u>Security Fees</u>	
Total Tip Fees Billed	\$516,157.73
Security Fee Percentage	<u>5%</u>
	\$25,807.89
	=====

<u>Minutes Payment</u>	
Loudon County Minutes	\$100.00
	=====

Total amount to be received	\$54,296.56
	=====

Our checks in payment of the above fees have been remitted to the above address for the Commission. Should you have any questions or need additional information, please let me know.

Sincerely,

A handwritten signature in blue ink, appearing to read "D. Hollinshead", is written over the printed name.

David L. Hollinshead
Manager Municipal Sales
Republic Services

Loudon County Department of Accounts and Budgets
Solid Waste Disposal Fund 207
Monthly Cash Report
July 2025

June 2025 Combined Ending Cash Balance per Monthly Report	6,555,951.51
Adjustments:	
Trustee's Commission	(443.61)
	0.00
Total Adjustments	(443.61)
Adjusted June 2025 Combined Ending Balance per Loudon Co Trustee	6,555,507.90

Solid Waste Disposal Commission Operating Fund

Operating Fund Ending Balance June 2025	6,526,368.01
Cash Receipts:	
Surcharge - Security Fees	27,111.95
Surcharge - Host Fees	24,556.32
Investment Income	17,086.80
Total Monthly Revenue	68,755.07
Cash Disbursements:	
Board & Committee Members Fees (June payable)	(225.00)
Board & Committee Members Fees	(375.00)
Social Security (June payable)	(13.95)
Social Security	(4.65)
Employer Medicare (June payable)	(3.28)
Employer Medicare	(1.09)
Audit Services	
Engineering Services (June payable)	(1,750.00)
Legal Services (June payable)	(18,850.00)
Contracted Services	
Building & Content Insurance	(5,268.00)
Trustee's Commission	
Total Cash Disbursements	(26,490.97)
Expenditure Credit:	
Trustee Commission Adjustment	
<u>Operating Fund Ending Balance July 2025</u>	<u>6,568,632.11</u>

Poplar Springs Subfund

Poplar Springs Subfund Balance June 2025	29,139.89
Cash Receipts:	
Investment Income	
Total Monthly Revenue	0.00
Cash Disbursements:	
Trustee's Commission	
Total Cash Disbursements	0.00
<u>Poplar Springs Subfund Balance July 2025</u>	<u>29,139.89</u>

<u>TOTAL COMBINED OPERATING AND POPLAR SPRINGS JULY 2025 BALANCE</u>	<u>6,597,772.00</u>
---	----------------------------

Combined Summary - July 2025	
Beginning Balance	6,555,507.90
Plus Operating Revenue	68,755.07
Less Operating and Poplar Springs Disbursements	(26,490.97)
TOTAL COMBINED BALANCE - JULY 2025	6,597,772.00

NOTE: Accounting Dept did not have Trustee's July report at the time of preparation.