



## NORTH VALLEY LANDFILL CELL 1 LINER INSTALLATION – ADDENDUM 1

May 8, 2017

This Addendum is hereby attached to and made part of the Bid Request Documents. Each firm submitting a bid shall acknowledge receipt of this addendum and acceptance of all conditions contained herein by including the addendum number and date on the Proposal Sheet of the bid package.

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BID SCHEDULE      Updates to Bid Items 4, 5, 9, and 10

DRAWINGS            Updates to Sheet 2 and Sheet 5

END OF ADDENDA

## ADDENDUM 1 BID SCHEDULE

PROJECT:

North Valley Landfill Cell #1 Liner Installation

NOTE: Bidder agrees to perform all the work described in the CONTRACT DOCUMENTS for the following unit prices. Bid prices shall include sales tax and all other applicable taxes and fees.

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	ITEM PRICE
1	Prepare and Implement Storm Water Pollution Prevention Plan	l s	1		
2	Prepare Subgrade	acres	19.5		
3	Excavate and Backfill Anchor Trench	l f	4,276		
4	Install Reinforced GCL	s f	850,776		
5	Install 60-mil HDPE	s f	1,012,704		
6	Place 8 Oz. Needle Punch Geofabric	s y	7,000		
7	Place 8" Diameter Perforated HDPE Pipe	l f	3,500		
8	Place Gravel Backfill	c y	1,038		
9	Install Drain Net	s f	438,125		
10	Place Cover Soil	c y	41,387*		

\* Includes slope stockpile and liner termination berm on slope or floor (DT-10)

**TOTAL PRICE**

\$ \_\_\_\_\_

**COMPANY NAME** \_\_\_\_\_

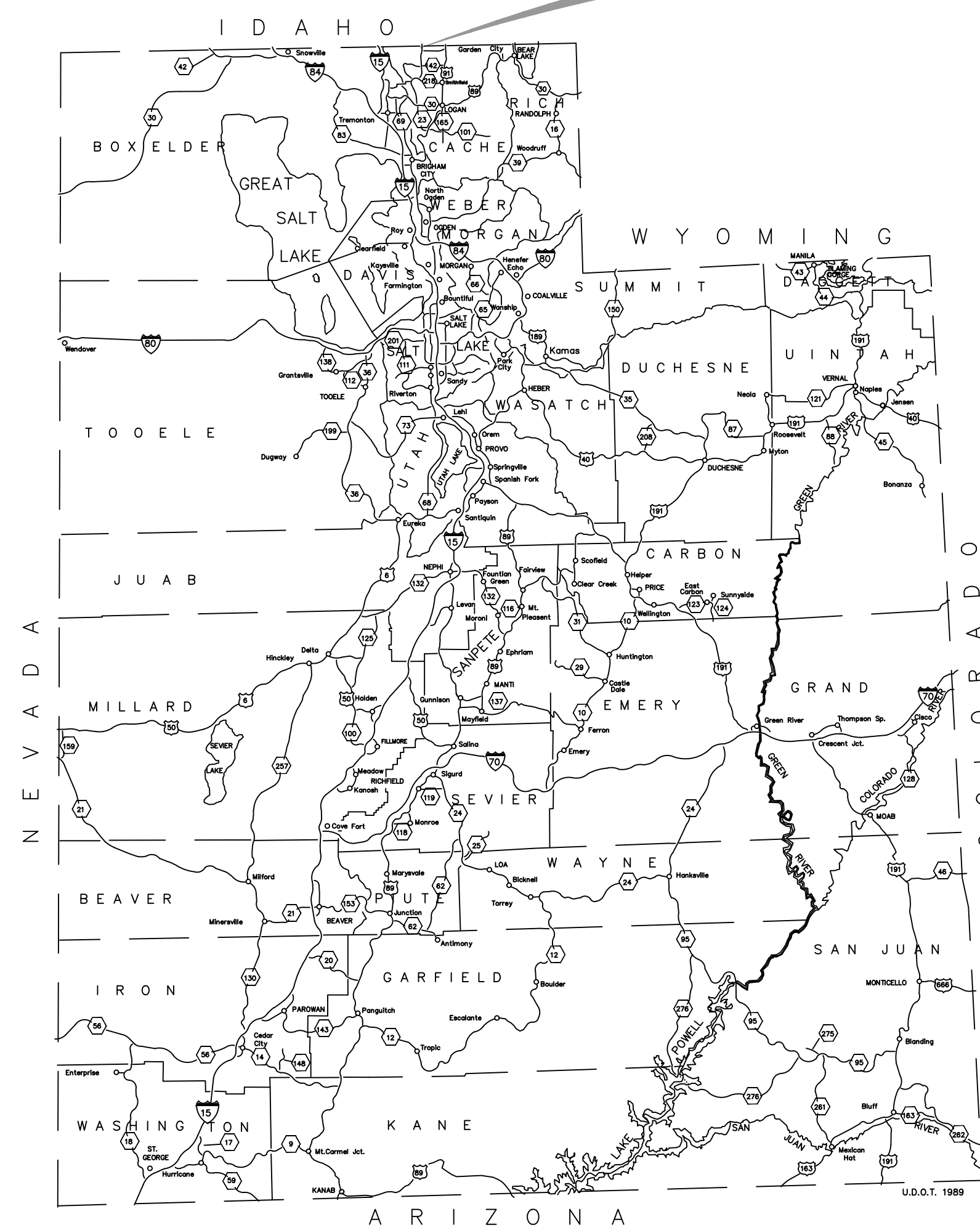
**SIGNATURE OF PREPARER** \_\_\_\_\_



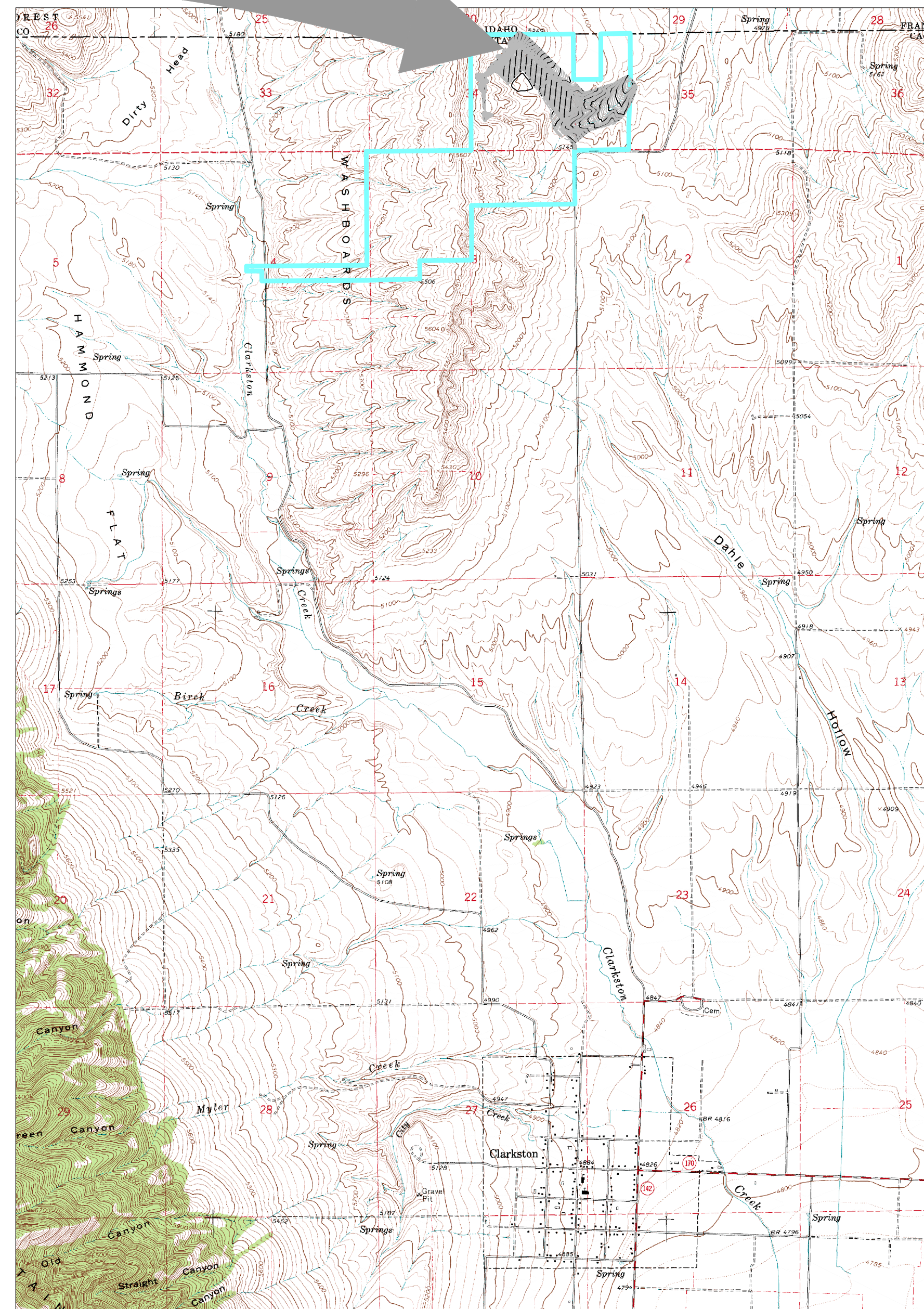
# NORTH VALLEY LANDFILL CELL 1 LINER INSTALLATION CLARKSTON, UTAH



— PROPERTY  
BOUNDARY



SITE LOCATION MAP



SITE VICINITY MAP  
(1" = 2500')

## DRAWING INDEX

SHEET #	SHEET NAME
1	TITLE SHEET
2	GENERAL ARRANGEMENT
3	CELL PLAN
4	ELEVATION VIEW
5	LINER DETAILS

ISSUED  
FOR  
BID

MARK	DATE	DESCRIPTION
	5/8/17	BID ADDENDUM 1
	4/14/17	BID
	4/3/17	DRAFT

ISSUE:

PROJECT NO.:	00386-015
CAD DWG FILE:	00386\015\CELL 1\DWG\LINER\
DRAWN BY:	JAH
DESIGNED BY:	BDM
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SHEET TITLE
NVLF - CELL 1 LINER INSTALL TITLE SHEET



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4153 South Commerce Drive  
Salt Lake City, Utah 84107  
(801)270-9400 Fax: (801)270-9401

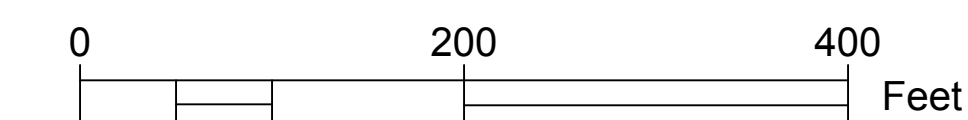
- PROPERTY BOUNDARY
- GCL/HDPE
- GCL/HDPE/ DRAIN-NET/SOIL
- GCL/HDPE/ DRAIN-NET
- GCL/HDPE/HDPE (LEACHATE POND)



Area	FT	GCL (ft <sup>2</sup> )	HDPE (ft <sup>2</sup> )	Drain Net (ft <sup>2</sup> )	Soil Cover* (ft <sup>2</sup> )	(yd <sup>3</sup> )
1 (GREEN)		237,143	237,143	0	0	0
ANCHOR	1,940	13,580	13,580			
2 (ORANGE)		316,685	316,685	316,685	316,685	35,187
ANCHOR	835	5,845	5,845	5,845		
STOCKPILE*		-	-	-		4,400
3 (BLUE)		113,327	113,327	113,327	0	0
ANCHOR	324	2,268	2,268	2,268		
4 (RED)		161,928	323,856	0	0	0
ANCHOR	1,177	8,239	16,478	0		
FLOOR/SLOPE TERMINATION (SEE DT-10, SHEET 5)						1,800
<b>TOTAL</b>	<b>4,276</b>	<b>850,776</b>	<b>1,012,704</b>	<b>438,125</b>	<b>316,685</b>	<b>41,387</b>

\* Stockpile along toe of slope in Area 2 (~3.5 cu-yd/ft), Logan to push soil cover up side slopes as waste is placed.

REFERENCE:  
ADAPTED FROM MAP  
PROVIDED BY CLIENT.





MARK	DATE	DESCRIPTION
	5/8/17	BID ADDENDUM 1
	4/14/17	DRAFT
	4/3/17	DRAFT

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SHEET TITLE  
NVLF - CELL 1 LINER INSTALL  
**GENERAL ARRANGEMENT**



-  PROPERTY BOUNDARY
-  8"Ø PERFORATED HDPE PIPE

1. PERMANENT END CAP MAY BE CONNECTED BY FUSION WELDING OR MECHANICAL CONNECTIONS.
2. REMOVABLE END CAP IS TO BE A BLANK HDPE BOLTED TO HDPE FLANGE WITH 4 BOLTS @ 90°.

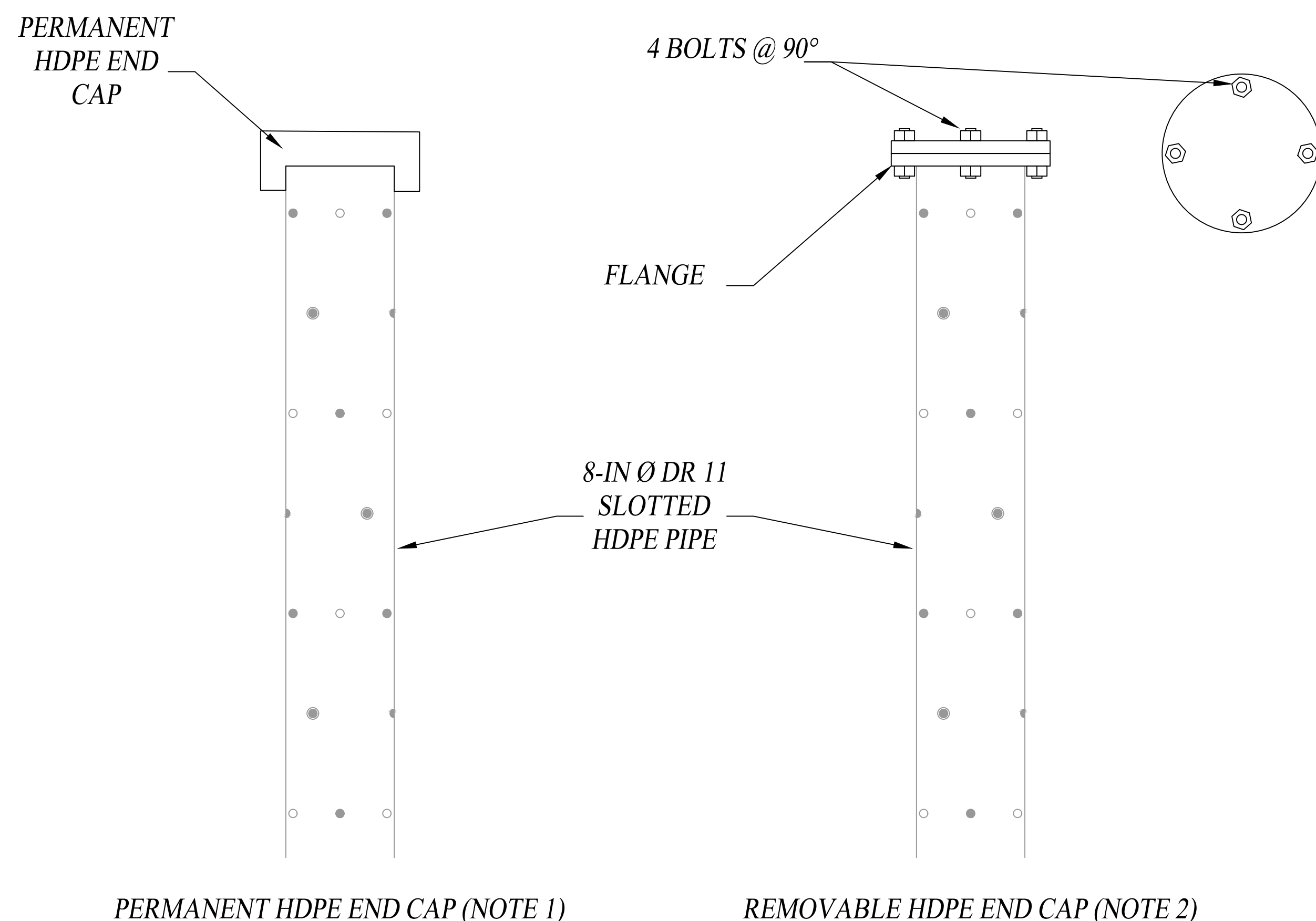
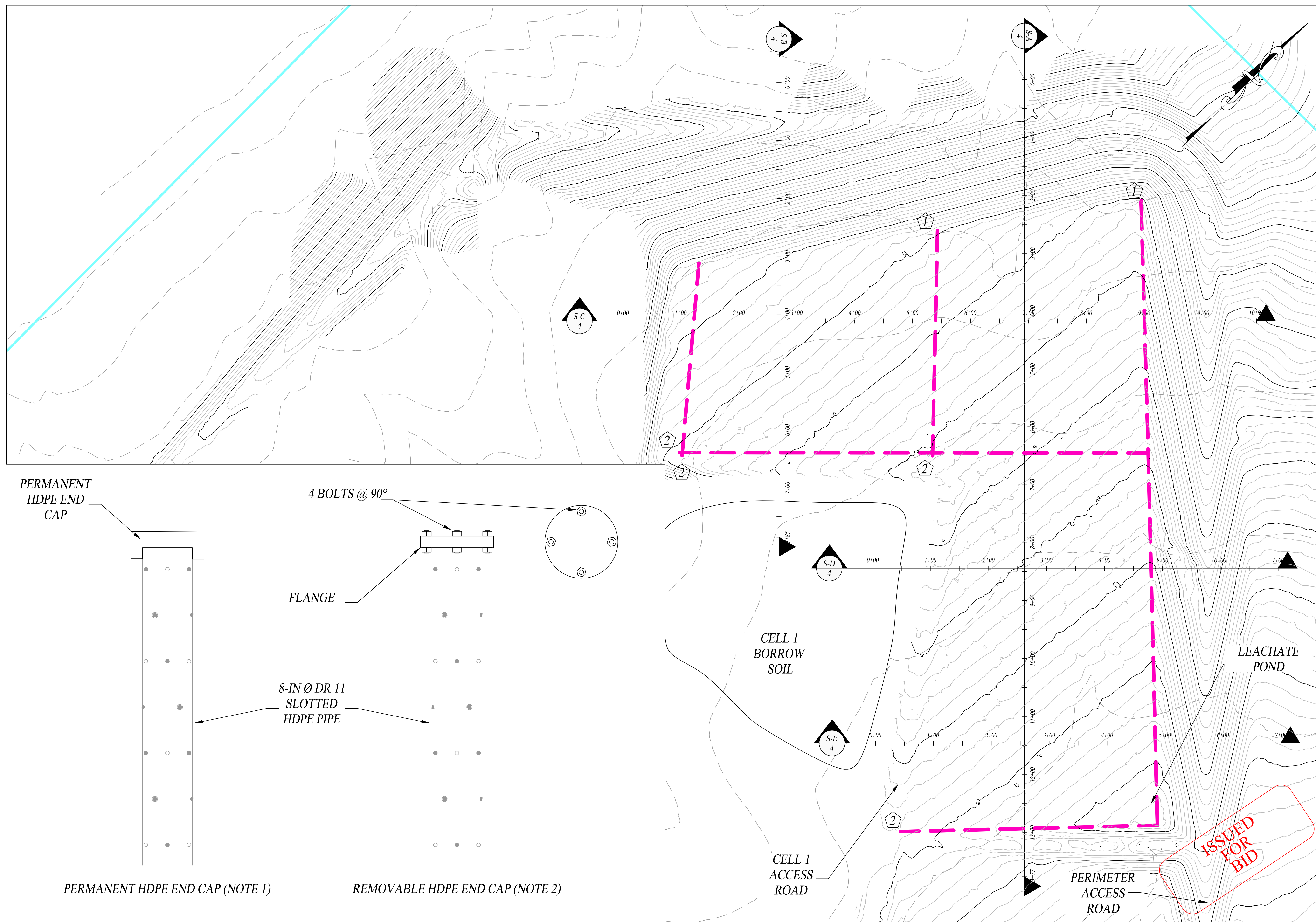
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SHEET TITLE  
NVLV - CELL 1 LINER INSTALL

**CELL PLAN**



REFERENCE:  
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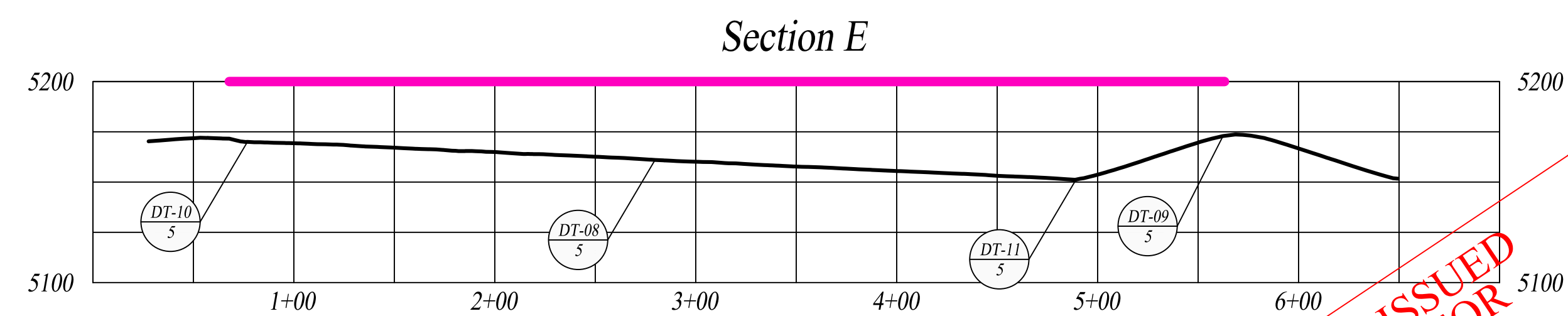
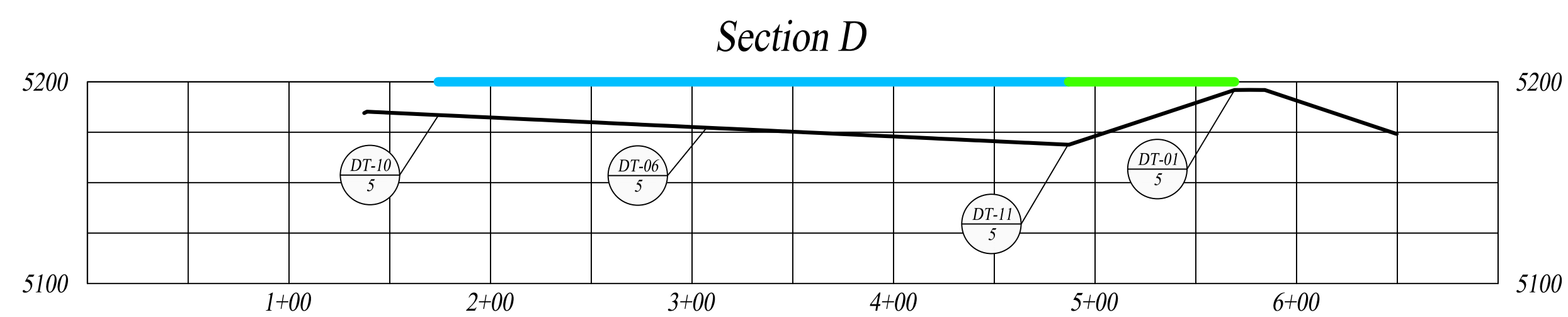
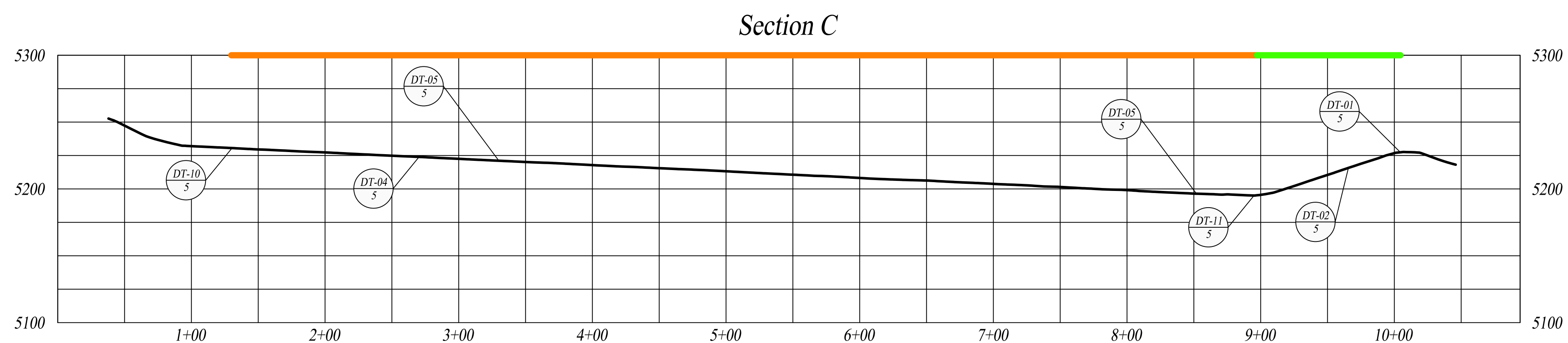
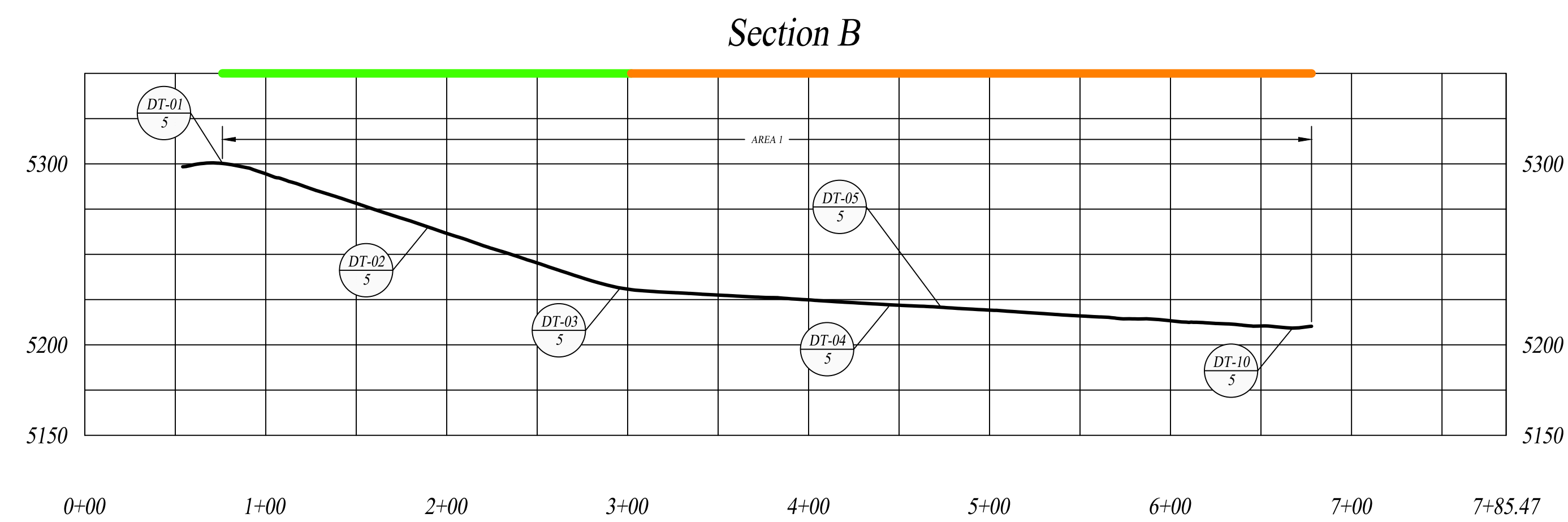
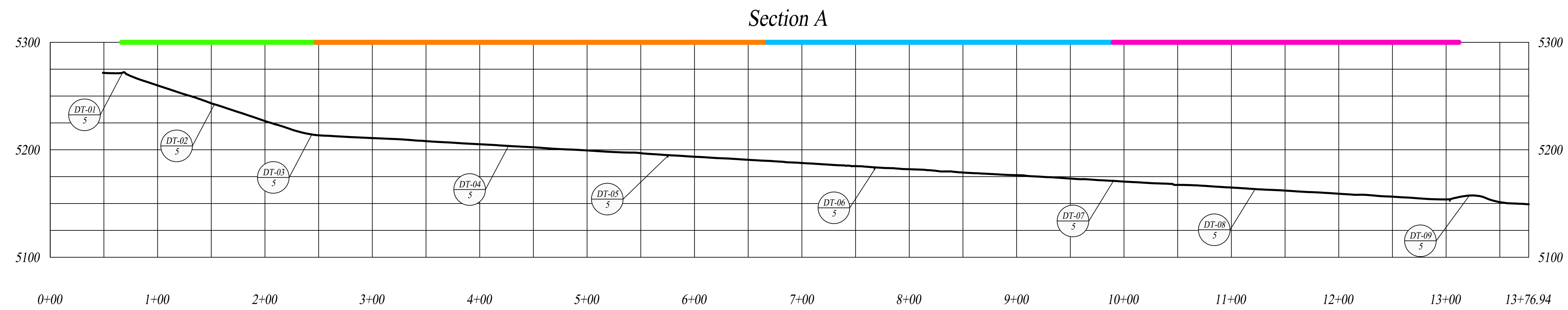
CONSULTANTS



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Salt Lake City, Utah 84107  
(801)270-9400 Fax: (801)270-9401

INSTALLATION LIMITS

- GCL/HDPE
- GCL/HDPE/  
DRAIN- NET/SOIL
- GCL/HDPE/  
DRAIN-NET
- GCL/HDPE/HDPE



ISSUED FOR BID

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SHEET TITLE  
NVLV - CELL 1 LINIER INSTALL  
**ELEVATION  
VIEW**

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NOTES:

- 36" OF SITE SOIL TO BE PLACED ON 3:1 SLOPES BY OWNER.
- DRAIN NET ON CELL BOTTOM ONLY
- SUBGRADE PREPARATION AND APPROVAL WILL BE RESPONSIBILITY OF CONTRACTOR.
- GRAVEL BACKFILL TO BE ROUND, HARD, NON-FRIABLE MATERIALS WITH THE FOLLOWING GRADATION

SIEVE SIZE (IN)	% PASSING
1	100
3/4	75
3/8	25
1/4	5

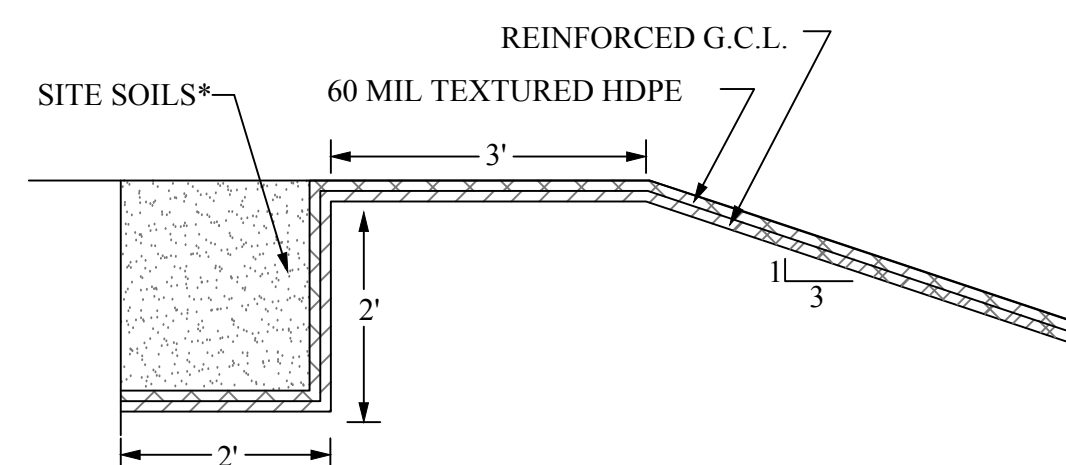
- CONTRACTOR MAY PROPOSED ALTERNATE PERFORMANCE DETAILS IF MANUFACTURER PERFORMATIONS ARE AVAILABLE.

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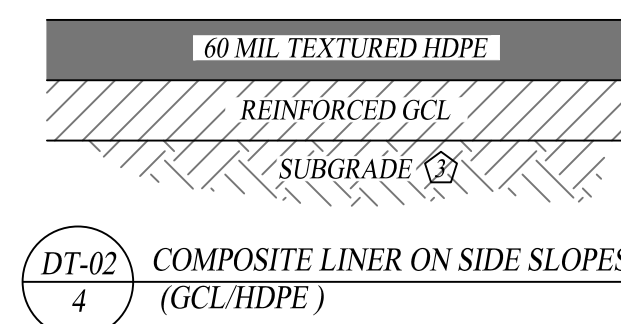
NVLF - CELL 1 LINER INSTALL  
**LINER  
DETAILS**



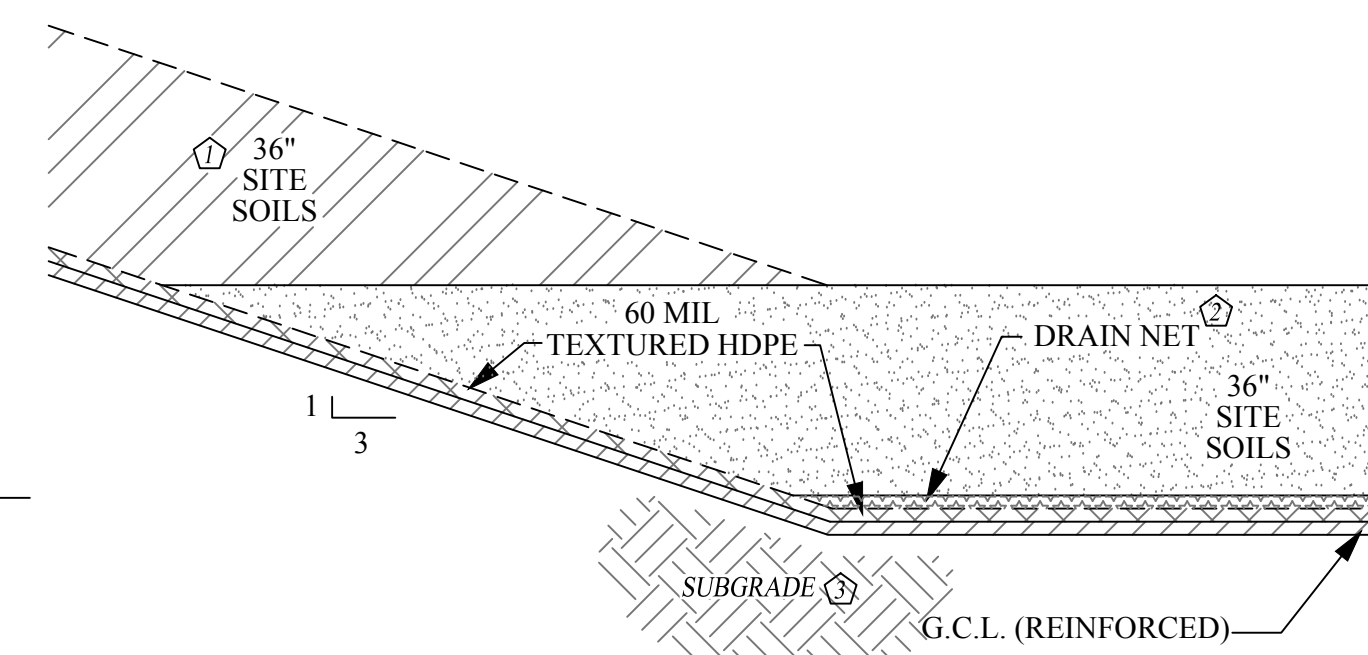
DT-01 ANCHOR TRENCH  
4

\* IN ROADWAY AREAS:  
REMOVE GRAVEL ON ROAD SURFACE PRIOR TO EXCAVATION OF ANCHOR TRENCH. TRENCH BACKFILL SHALL BE COMPACTED TO 90% MDD AS DETERMINED BY ASTM D-1557. REPLACE GRAVEL AFTER COMPACTION OF TRENCH BACKFILL.

NOT TO SCALE

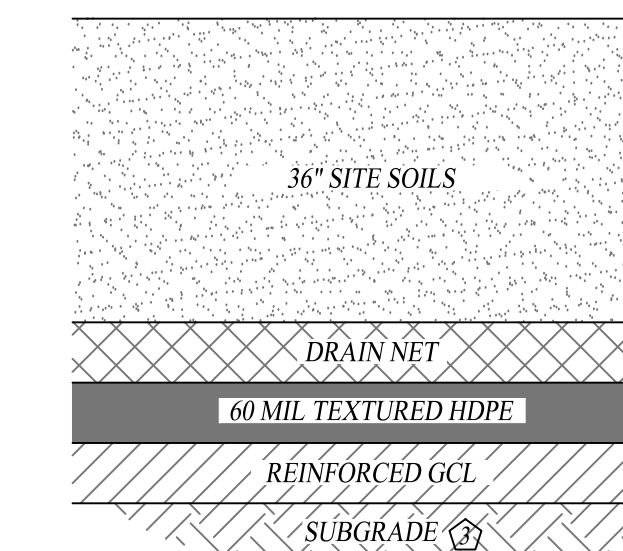


DT-02 COMPOSITE LINER ON SIDE SLOPES (GCL/HDPE)  
4

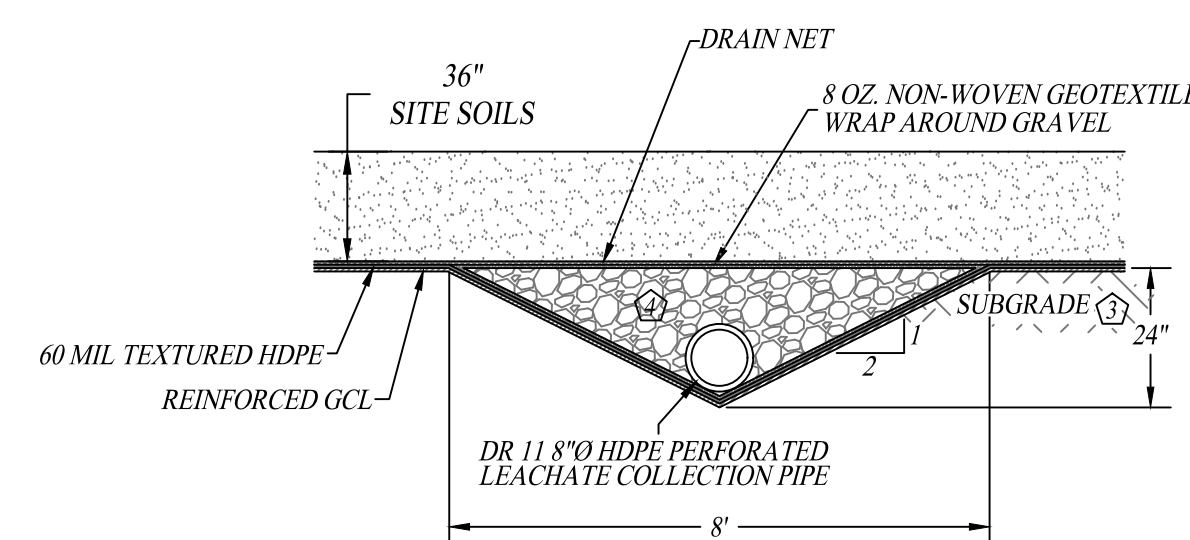


DT-03 FLOOR TO SLOPE TRANSITION  
4

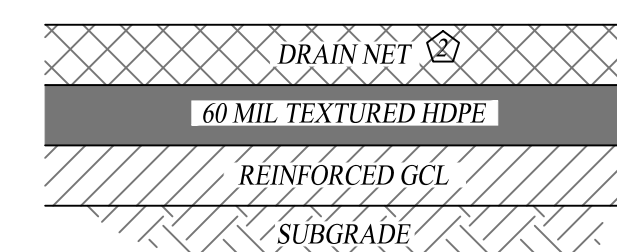
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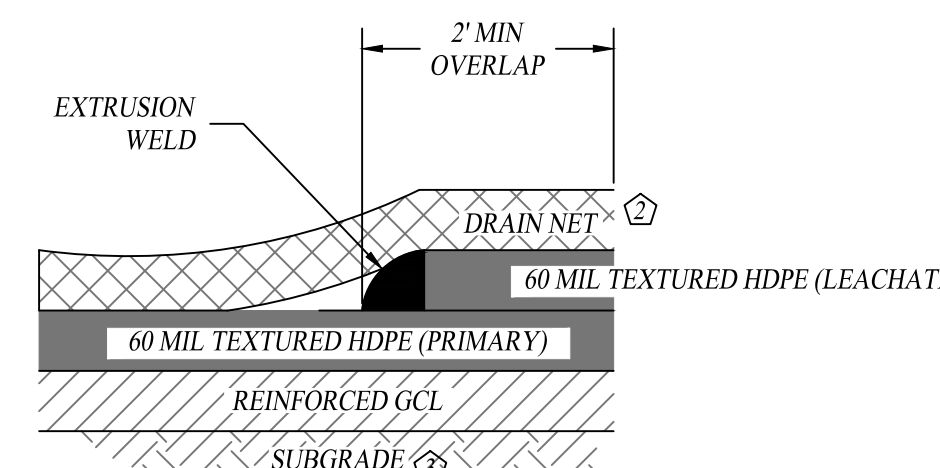
DT-04 COMPOSITE LINER ON CELL FLOOR (GCL/HDPE/DRAIN-NET/SOIL)  
4



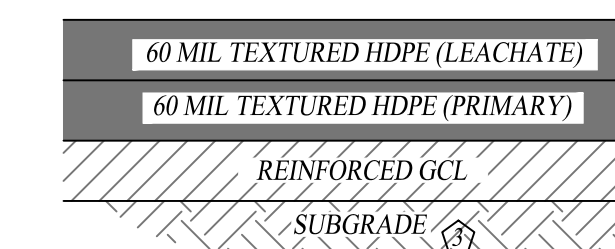
DT-05 LEACHATE COLLECTION PIPING  
4



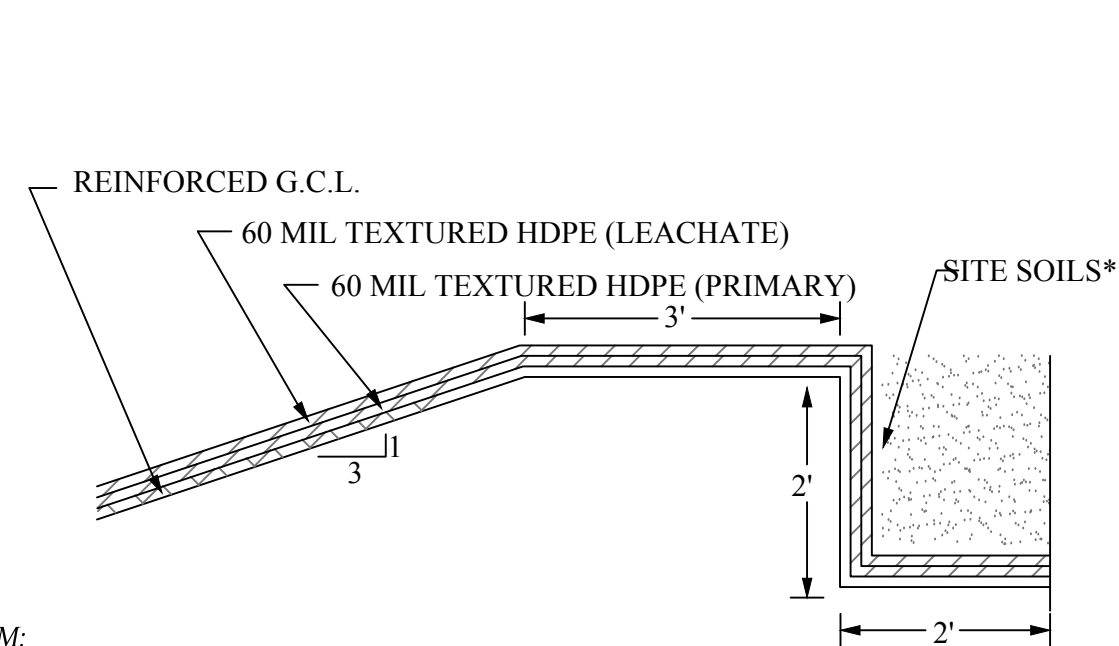
DT-06 COMPOSITE LINER ON FLOOR (GCL/HDPE/DRAIN-NET)  
4



DT-07 LEACHATE POND LINER CONNECTION  
4



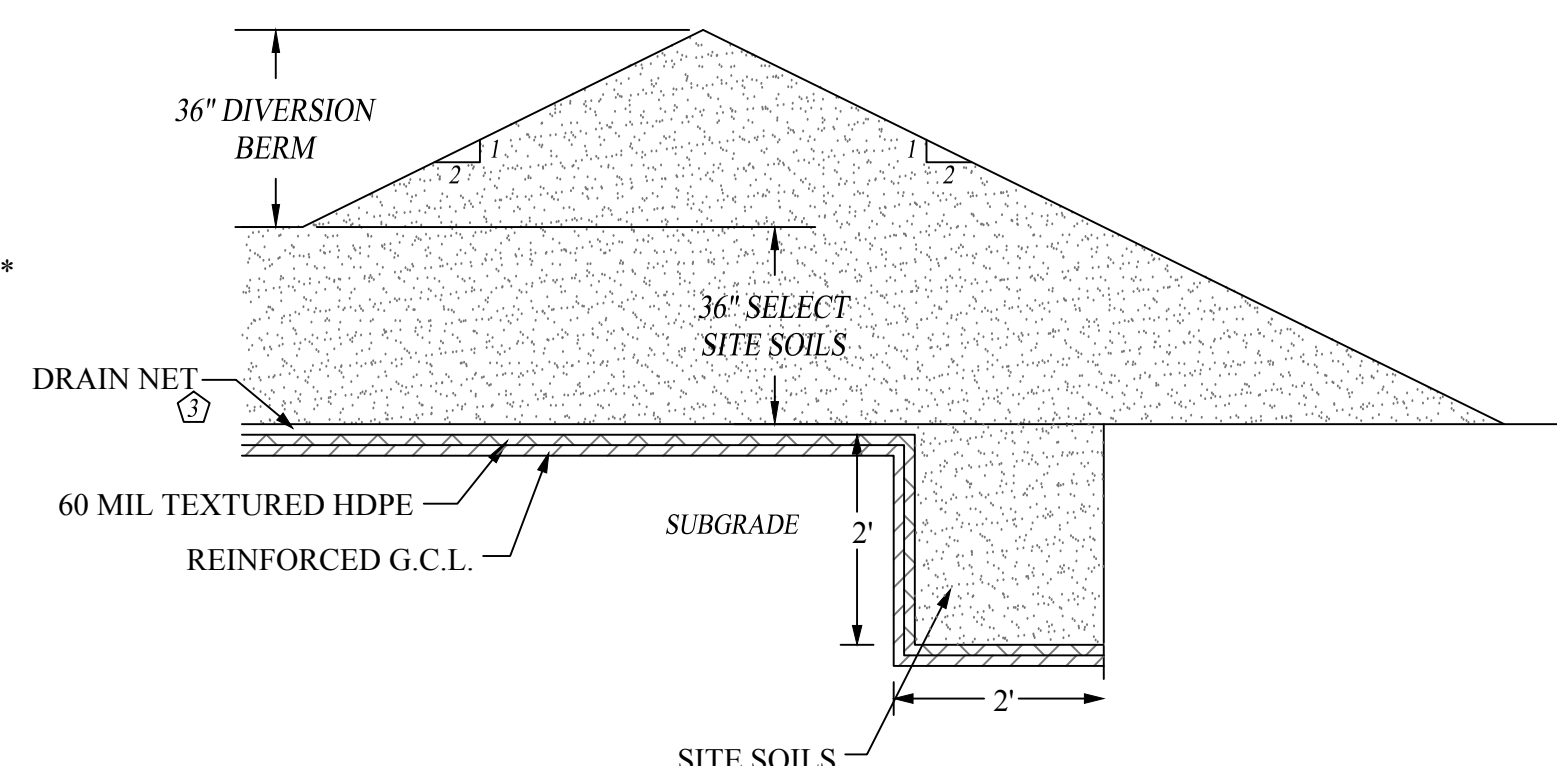
DT-08 COMPOSITE DOUBLE-LINER (LEACHATE) (GCL/HDPE/HDPE)  
4



DT-09 LEACHATE COLLECTION ANCHOR TRENCH (AREA 3)  
4

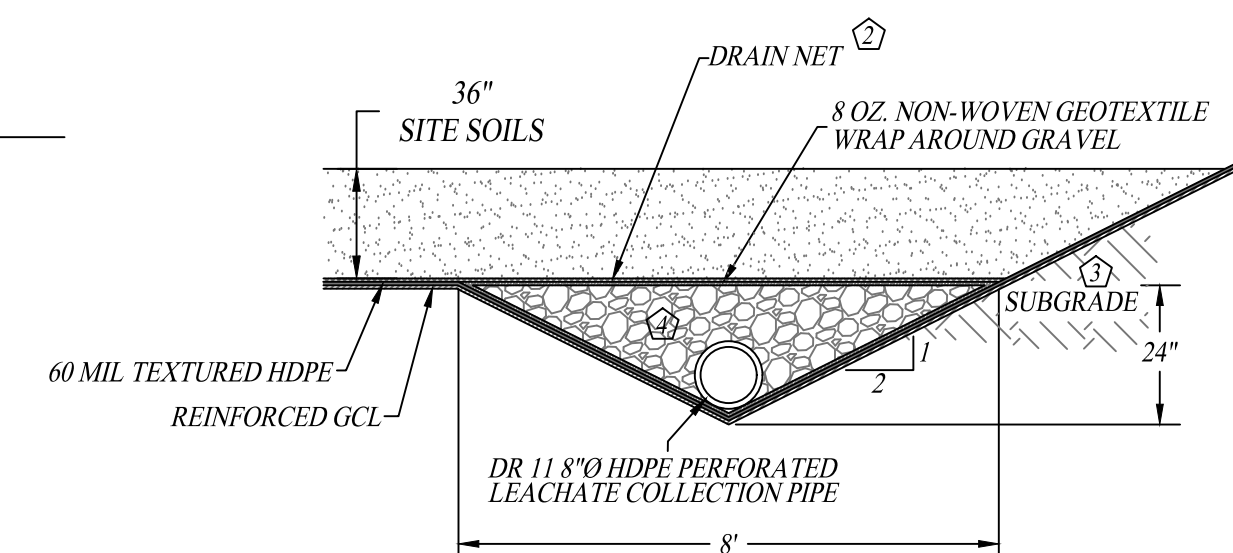
\*\* IN LEACHATE BERM:  
TRENCH BACKFILL SHALL BE COMPACTED TO 90% MDD AS DETERMINED BY ASTM D-1557.

NOT TO SCALE

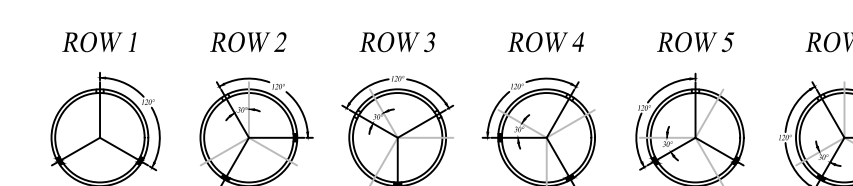


DT-10 LINER TERMINATION IN SLOPE OR FLOOR  
5

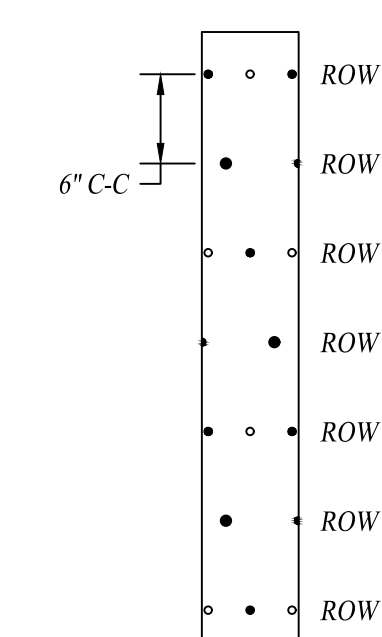
NOT TO SCALE



DT-11 FLOOR-SLOPE TRANSITION WITH LEACHATE PIPE  
4



DT-12 PIPE PERFORATION DETAIL  
4



**ISSUED FOR BID**