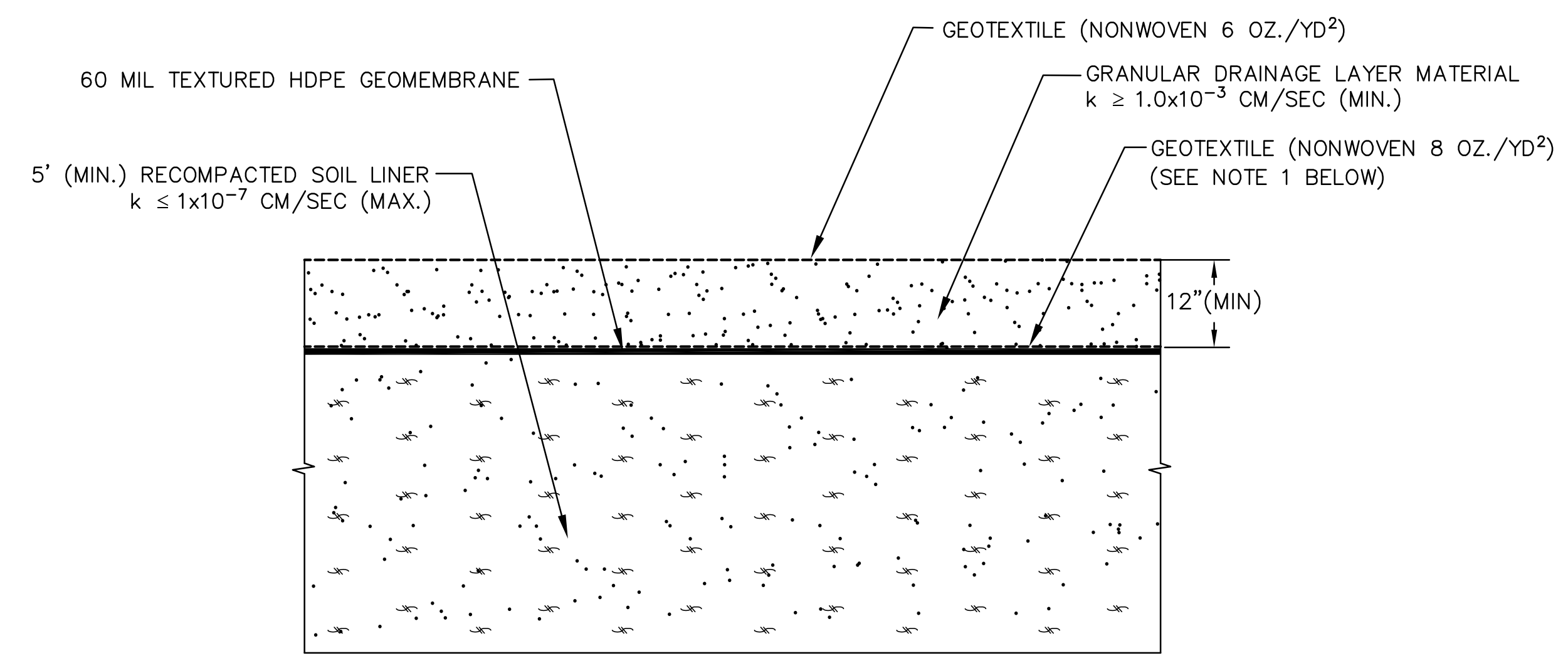


**1**  
**D8** **TYPICAL SIDESLOPE CROSS SECTION FOR HORIZONTAL EXPANSION AREA**  
NOT TO SCALE

**NOTES:**

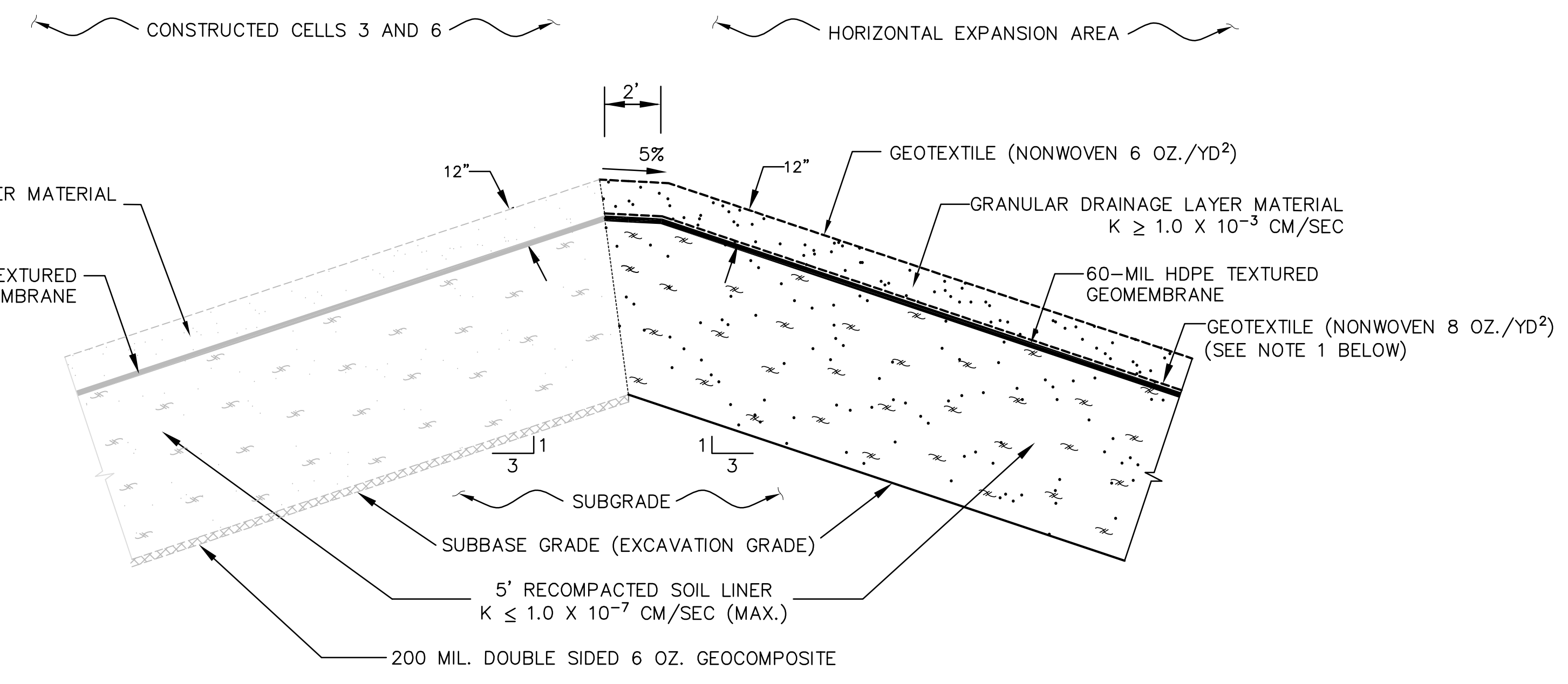
1. TERMINATION OF 60 MIL GEOMEMBRANE FROM THE LINER SYSTEM TO BE WITHIN A TYPICAL 2 FOOT ANCHOR TRENCH OR EQUIVALENT.
2. IN AREAS WHERE UNSUITABLE FOUNDATION MATERIALS EXIST BENEATH THE PROPOSED COMPACTED LINER, SUCH MATERIAL WILL BE OVER-EXCAVATED AND REPLACED WITH STRUCTURAL FILL TO PROVIDE A SUITABLE FOUNDATION FOR CONSTRUCTION.
3. THE MINIMUM HYDRAULIC CONDUCTIVITY SPECIFIED FOR THE DRAINAGE MATERIAL LAYER IS  $k \geq 1.0 \times 10^{-3}$  CM/SEC (MIN.). THIS HYDRAULIC CONDUCTIVITY IS SHOWN TO MEET PERFORMANCE REQUIREMENTS, BASED ON LEACHATE CALCULATIONS WITHIN THE APPLICATION.



**2**  
**D8** **LINER SYSTEM COMPONENTS (FLOOR)**  
NOT TO SCALE

**NOTES:**

1. A GEOTEXTILE CUSHION SHALL BE INSTALLED ABOVE THE 60-MIL GEOMEMBRANE IN THE EVENT THAT 10% OR MORE OF THE DRAINAGE LAYER MATERIAL EXCEEDS #4 SIEVE.



**3**  
**D8** **TOP OF SLOPE TRANSITION**  
NOT TO SCALE

**NOTES:**

1. A GEOTEXTILE CUSHION SHALL BE INSTALLED ABOVE THE 60-MIL GEOMEMBRANE IN THE EVENT THAT 10% OR MORE OF THE DRAINAGE LAYER MATERIAL EXCEEDS #4 SIEVE.
2. RECOMPACTED SOIL LINER WILL BE STEPPED TOGETHER/KEYED TO THE EXISTING SOIL LINER AT TRANSITION.

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REV. NO.	DATE	DESCRIPTION



**VEOLIA E.S. ZION LANDFILL-SITE 2 EAST EXPANSION**  
**CITY OF ZION, ILLINOIS**

**LINER / LEACHATE COLLECTION DETAILS - 1**

PROJ. NO.:	122150	DATE:	FEBRUARY 2010
DESIGNED BY:	RDS	DRAWING NO.:	<b>D8</b>
DRAWN BY:	BWM		
CHECKED BY:	RDS		
APPROVED BY:	DAM		
			8 OF 22 SHEETS