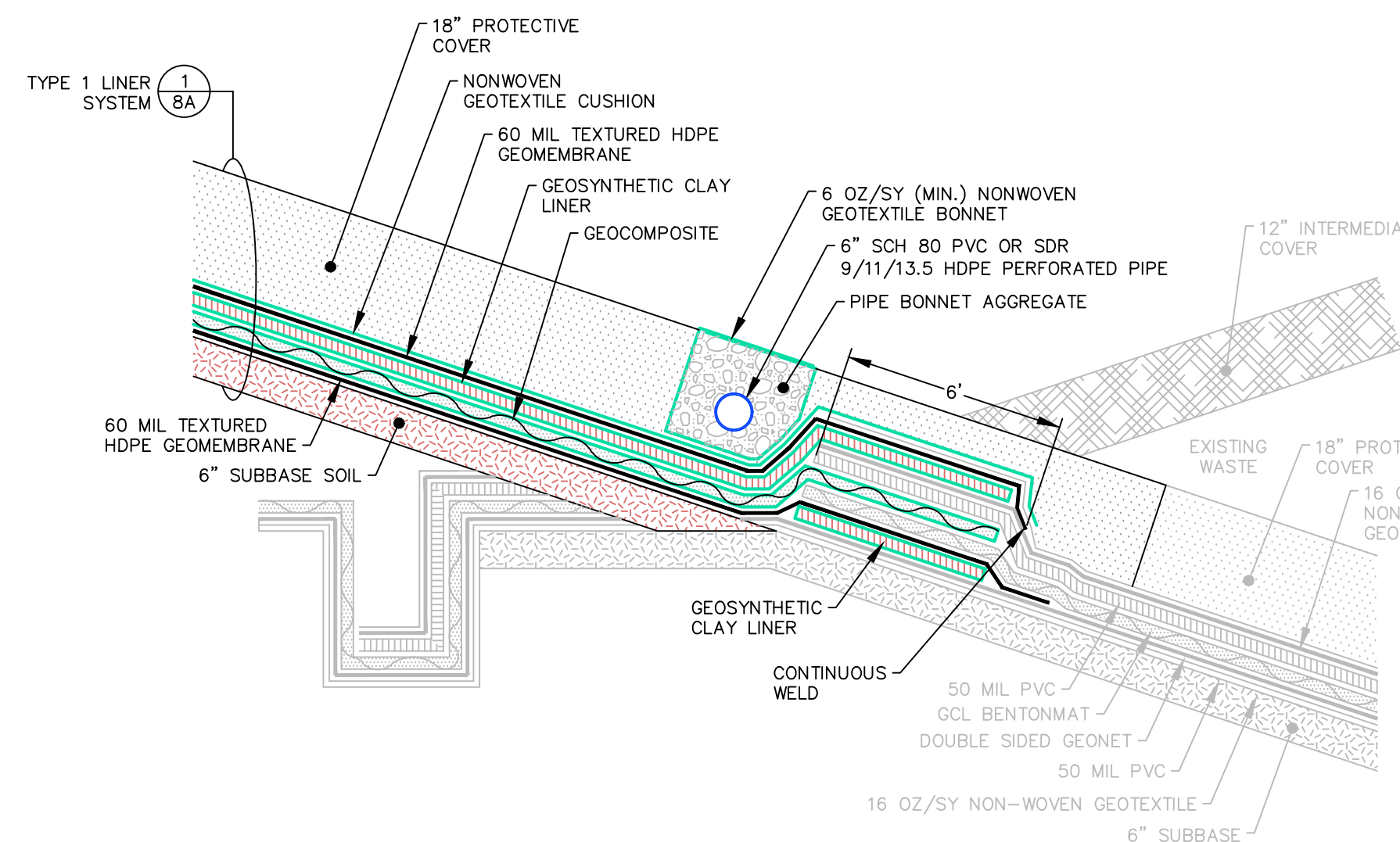


**TYPE 1 AND TYPE 2 LINER SYSTEM NOTES**

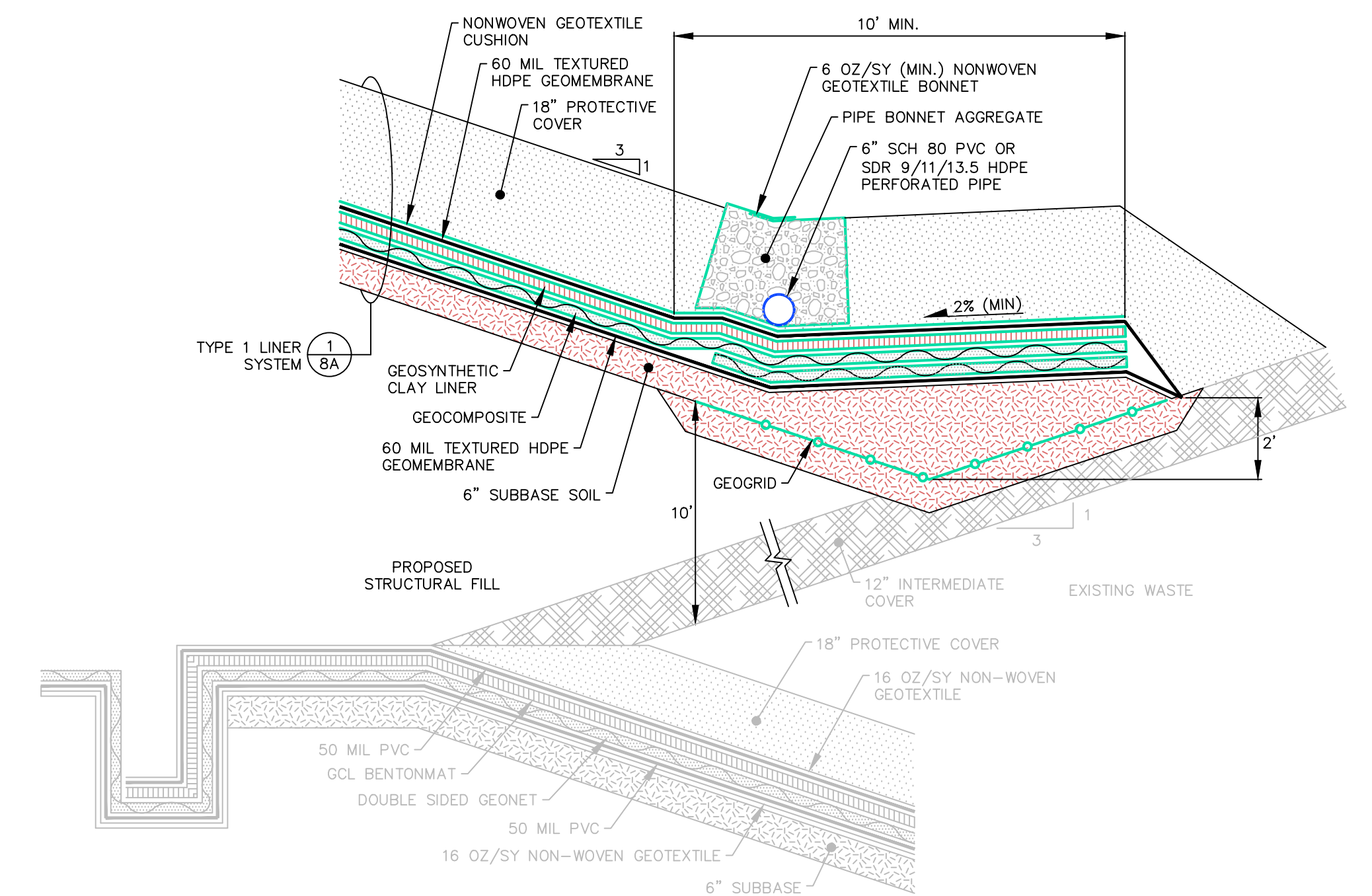
1. MINIMUM GEOTEXTILE CUSHION REQUIREMENT IS 16 OZ/SY. REQUIREMENT FOR HEAVIER GEOTEXTILE CUSHION IS DEPENDENT ON THE TYPE OF PROTECTIVE COVER AGGREGATE USED. THE MASS/AREA CRITERIA IS DEPENDENT ON PROTECTIVE COVER SPECIFICATIONS. SEE CQA PLAN IN FORM 24.
2. GEOCOMPOSITE IS COMPRISED OF A MINIMUM 200 MIL GEONET CORE WITH 6 OZ/SY NONWOVEN GEOTEXTILE HEAT-BONDED TO BOTH SIDES. ADDITIONAL REQUIREMENTS APPLY AS DETAILED IN ATTACHMENTS 24-11.
3. A SECOND LAYER OF GEOCOMPOSITE IS REQUIRED IN AREAS OF CONCENTRATED FLOW BENEATH LEACHATE COLLECTION PIPING AS INDICATED ON 6C. ALTERNATIVELY AN ADDITIONAL LAYER OF GEONET MAY BE INSTALLED BENEATH THE CONTINUOUS LAYER OF GEOCOMPOSITE IN THESE AREAS. THE ASSUMED WIDTH OF THE SECOND LAYER IS 14' FOR DESIGN PURPOSES.
4. SEE 6C FOR LOCATIONS OF LEACHATE COLLECTION PIPING.

**TYPE 1 TYPICAL LINER SYSTEM PROFILE**  
1 8A NOT TO SCALE

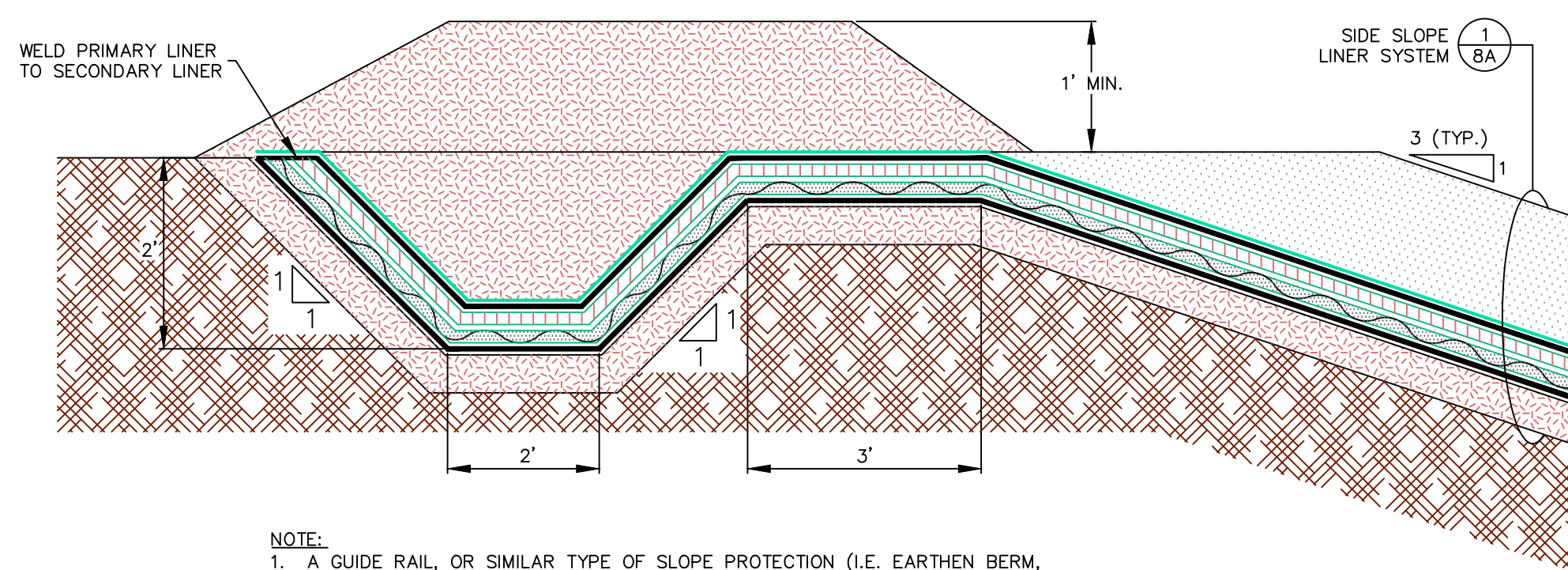
**TYPE 2 TYPICAL LINER SYSTEM PROFILE**  
2 8A NOT TO SCALE



**TYPE 1 LINER TERMINATION DETAIL**  
3 8A NOT TO SCALE

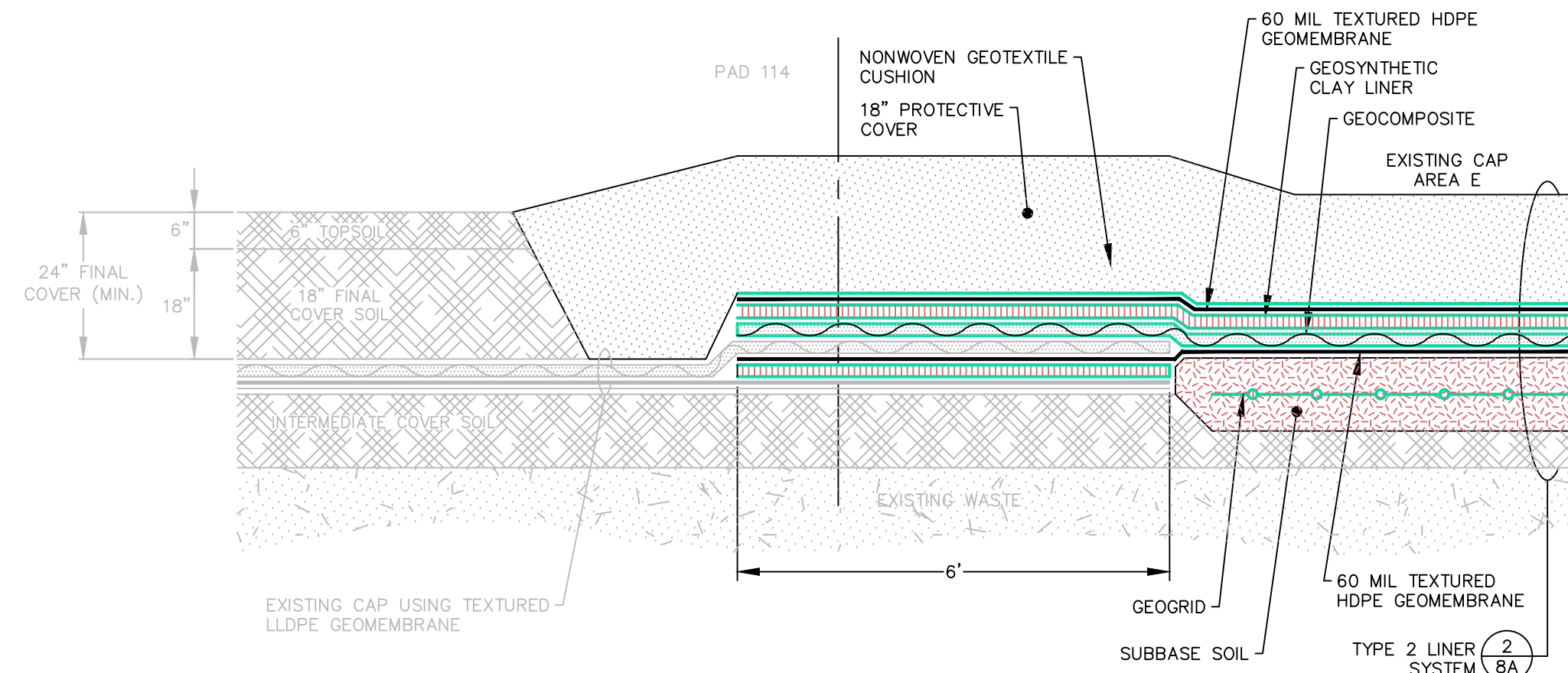


**TYPE 2 LINER TERMINATION DETAIL**  
4 8A NOT TO SCALE

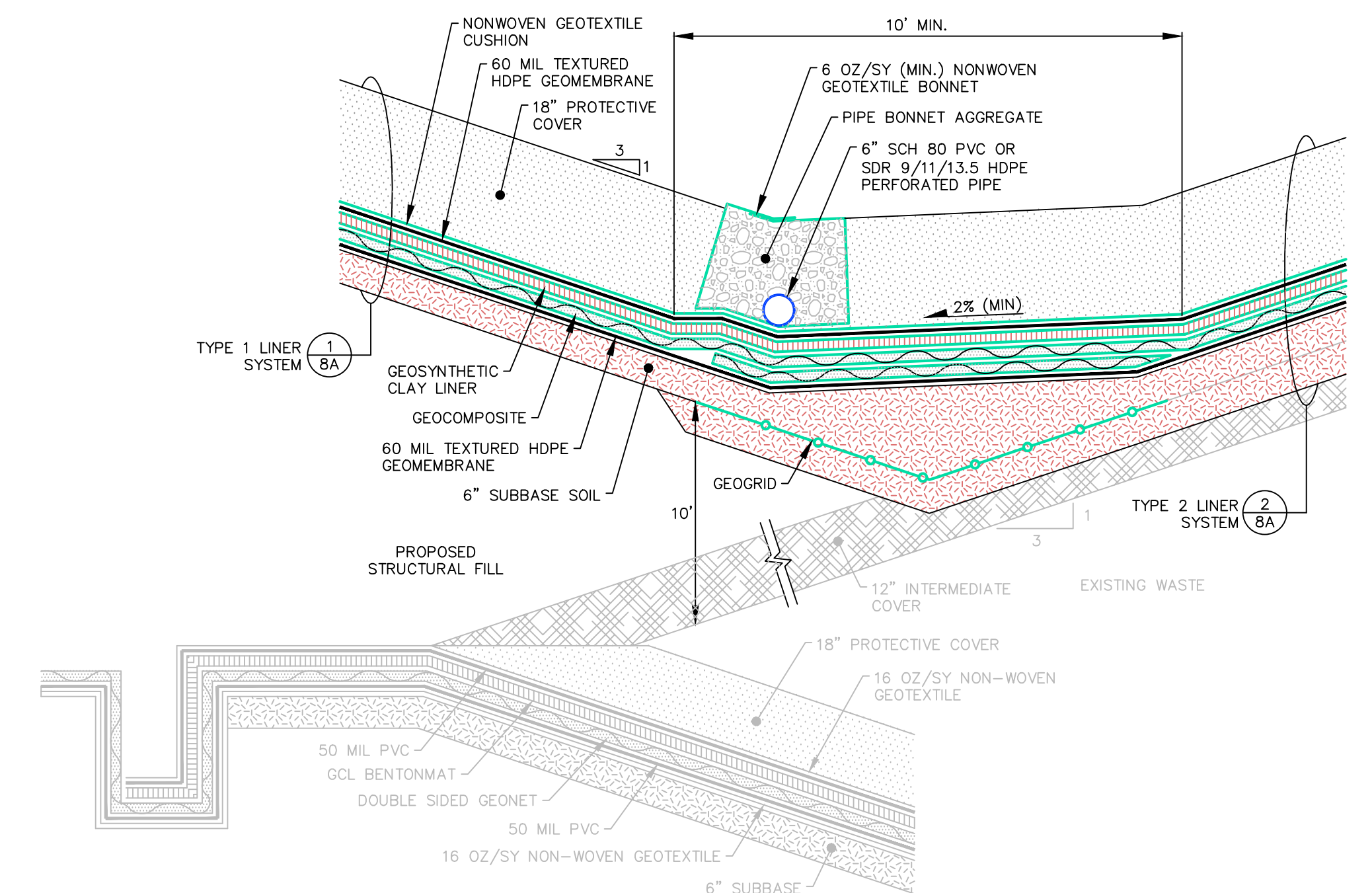


NOTE:  
1. A GUIDE RAIL, OR SIMILAR TYPE OF SLOPE PROTECTION (I.E. EARTHEN BERM, JERSEY BARRIER, BOULDERS, ETC.) WILL BE INSTALLED ALONG THE EXTERIOR OF ROADWAYS WHERE REQUIRED BY OSHA REGULATIONS.

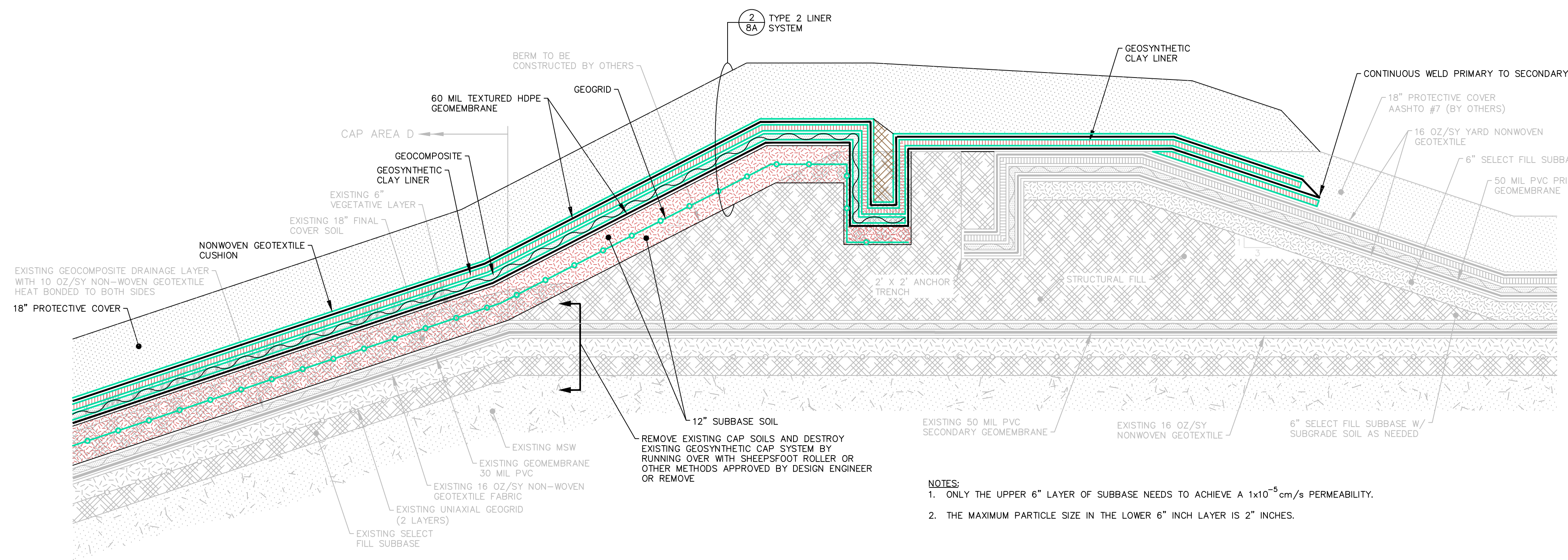
**PERIMETER ANCHOR TRENCH DETAIL**  
5 8A NOT TO SCALE



**TYPE 3 LINER TERMINATION DETAIL**  
6 8A NOT TO SCALE



**TYPE 4 LINER TERMINATION DETAIL**  
7 8A NOT TO SCALE



NOTES:  
1. ONLY THE UPPER 6" LAYER OF SUBBASE NEEDS TO ACHIEVE A  $1 \times 10^{-5}$  cm/s PERMEABILITY.  
2. THE MAXIMUM PARTICLE SIZE IN THE LOWER 6" INCH LAYER IS 2" INCHES.

**TYPE 5 LINER TERMINATION DETAIL**  
8 8A NOT TO SCALE

REVISIONS	

	<b>DELAWARE COUNTY SOLID WASTE AUTHORITY</b> <b>ROLLING HILLS LANDFILL</b> <b>SOUTHERN AREA LANDFILL EXPANSION</b>	DATE: <b>09/25/17</b>
	<b>LANDFILL LINER, CAP AND BERM DETAILS</b> <b>SHEET 1</b>	DRAWN BY: <b>SWH</b>
EARL TOWNSHIP    BERKS COUNTY    PENNSYLVANIA	CHECKED: <b>KCC</b>	BAI DRAWING NO: <b>DCSWA-107D017A</b>
State College Office    Delaware Valley Office (814) 238-2060    (610) 495-5585		SHEET NO. <b>8A OF 11</b>