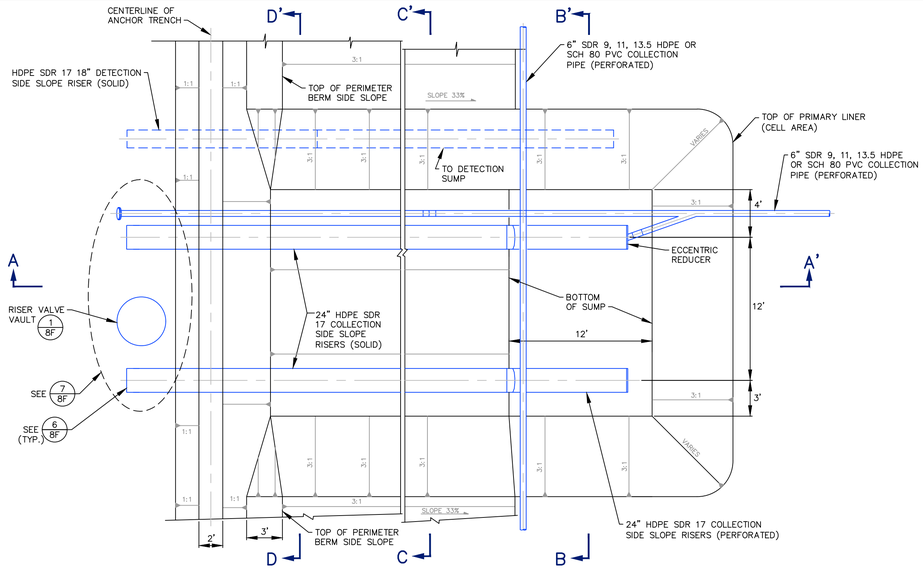
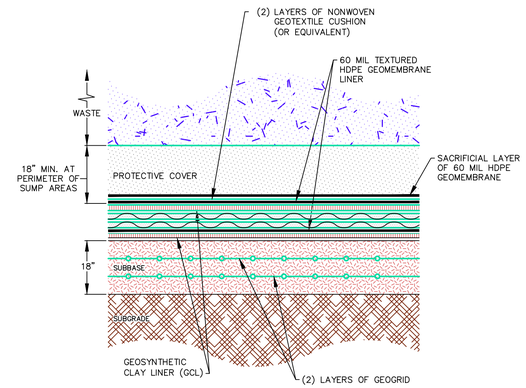
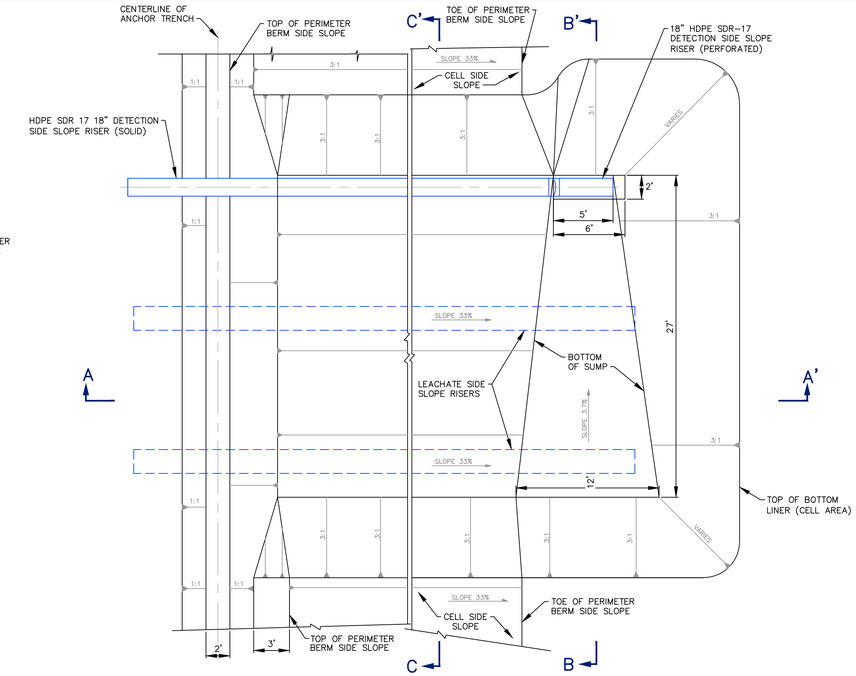


1/8D COLLECTION SYSTEM SUMP PLAN
NOT TO SCALE

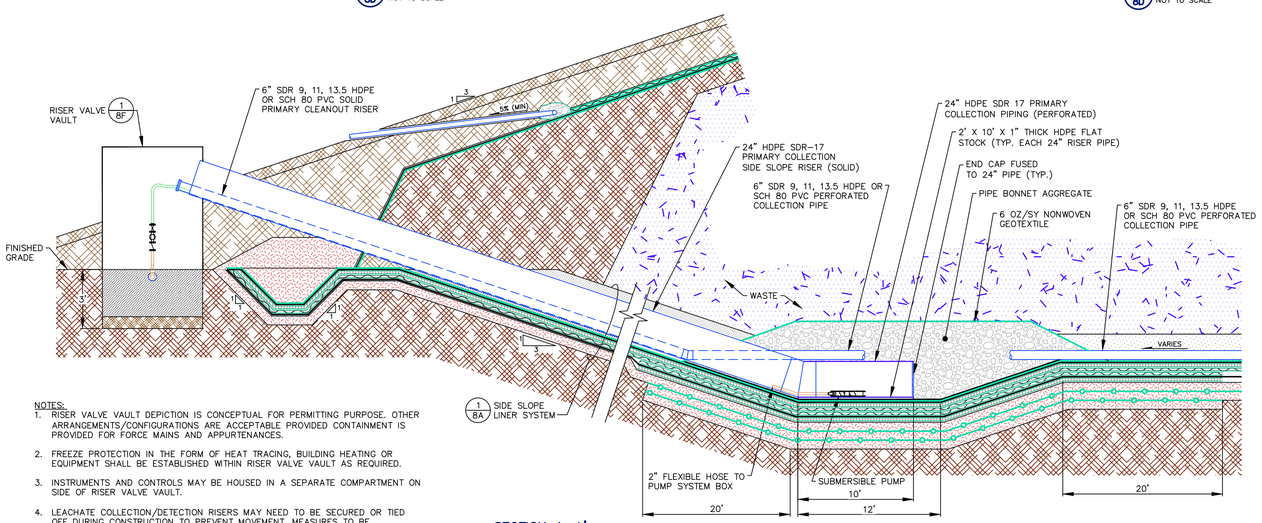


NOTE:
1. SUMP AREA LINER SYSTEM TO EXTEND A MINIMUM OF 20 FT. OUT FROM TOP OF SUMP DEPRESSION ONTO SURROUNDING FLOOR AREAS. ADDITIONAL LAYERS OF GEOSYNTHETICS ASSOCIATED WITH SUMP CAN TERMINATE 20 FT. OUT FROM TOP OF SUMP DEPRESSION.

2/8D SUMP AREA LINER SYSTEM
NOT TO SCALE

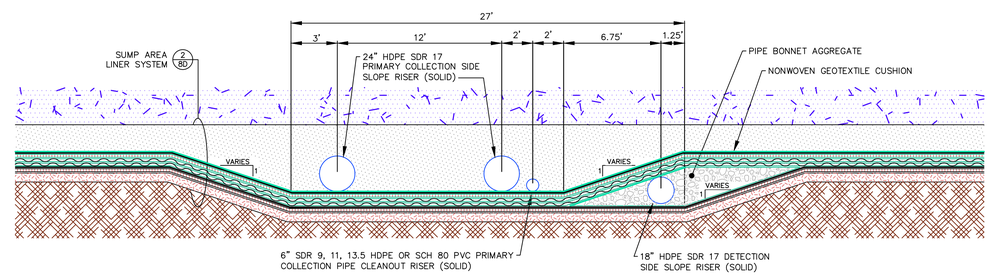


3/8D DETECTION SYSTEM SUMP PLAN
NOT TO SCALE

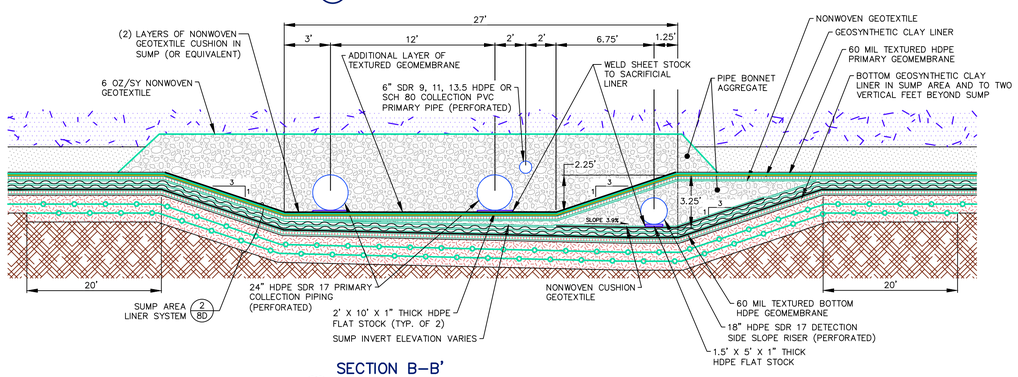


NOTES:
1. RISER VALVE VAULT DEPICTION IS CONCEPTUAL FOR PERMITTING PURPOSE. OTHER ARRANGEMENTS/CONFIGURATIONS ARE ACCEPTABLE PROVIDED CONTAINMENT IS PROVIDED FOR FORCE MAINS AND APPURTENANCES.
2. FREEZE PROTECTION IN THE FORM OF HEAT TRACING, BUILDING HEATING OR EQUIPMENT SHALL BE ESTABLISHED WITHIN RISER VALVE VAULT AS REQUIRED.
3. INSTRUMENTS AND CONTROLS MAY BE HOUSED IN A SEPARATE COMPARTMENT ON SIDE OF RISER VALVE VAULT.
4. LEACHATE COLLECTION/DETECTION RISERS MAY NEED TO BE SECURED OR TIED OFF DURING CONSTRUCTION TO PREVENT MOVEMENT. MEASURES TO BE DETERMINED AT TIME OF INSTALLATION.

4/8D SECTION A–A'
LEACHATE COLLECTION SIDE SLOPE RISERS
NOT TO SCALE



5/8D SECTION C–C'
COLLECTION/DETECTION SIDE SLOPE RISERS
NOT TO SCALE



6/8D SECTION B–B'
COLLECTION/DETECTION SIDE SLOPE RISERS
NOT TO SCALE

BAI GROUP INC.
Environmental Consultants

REVISIONS

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
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ENGINEER
041211-E

DELAWARE COUNTY SOLID WASTE AUTHORITY
ROLLING HILLS LANDFILL
SOUTHERN AREA LANDFILL EXPANSION
EARL TOWNSHIP BERKS COUNTY PENNSYLVANIA

LANDFILL SUMP AND LEACHATE CONVEYANCE DETAILS - SHEET 4

State College Office (814) 238-2060 • Delaware Valley Office (610) 495-5585

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