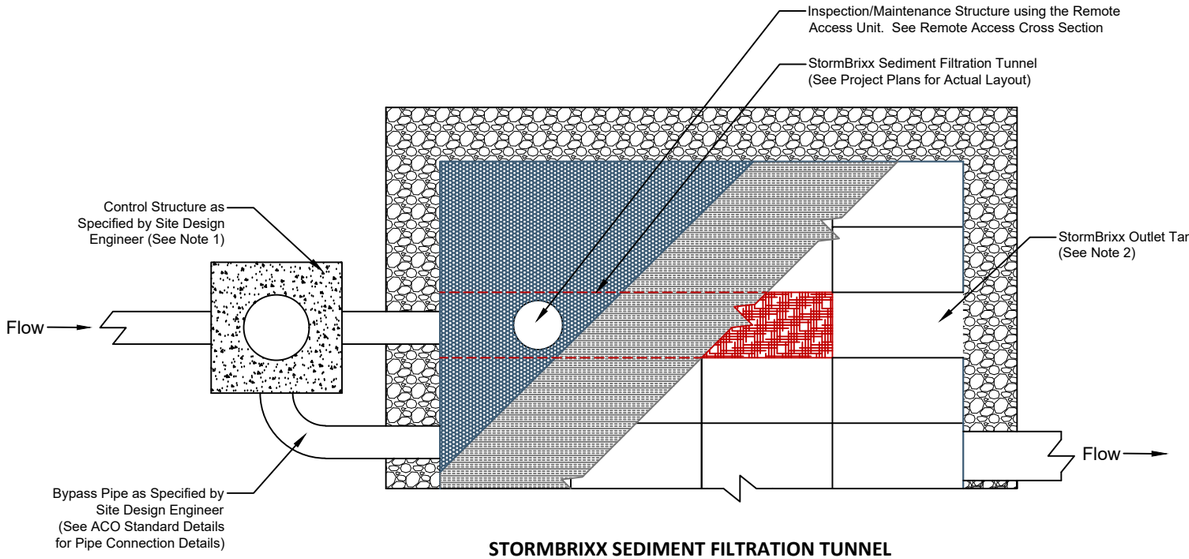
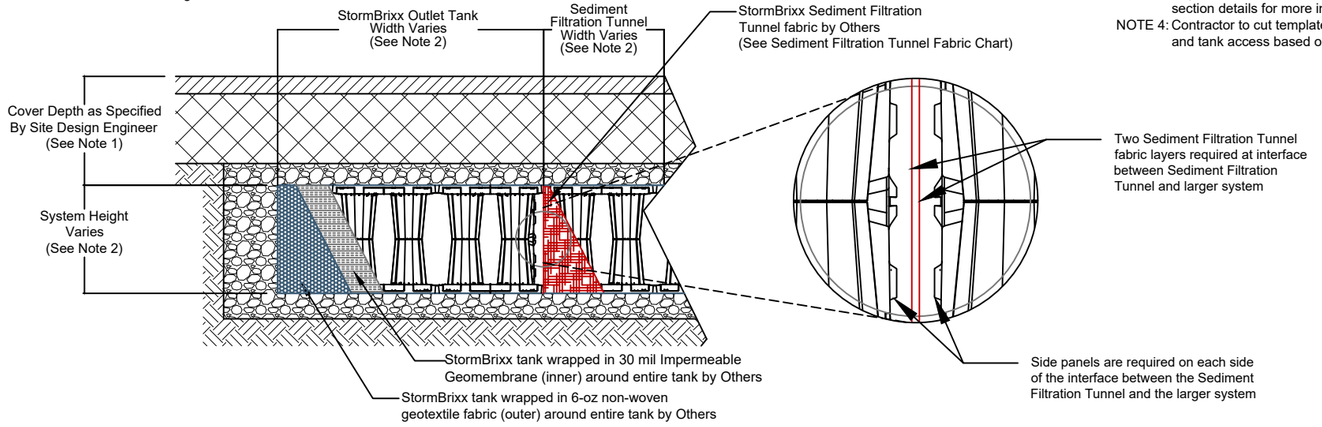


STORMBRIXX SEDIMENT FILTRATION TUNNEL EXAMPLE LAYOUT

NTS

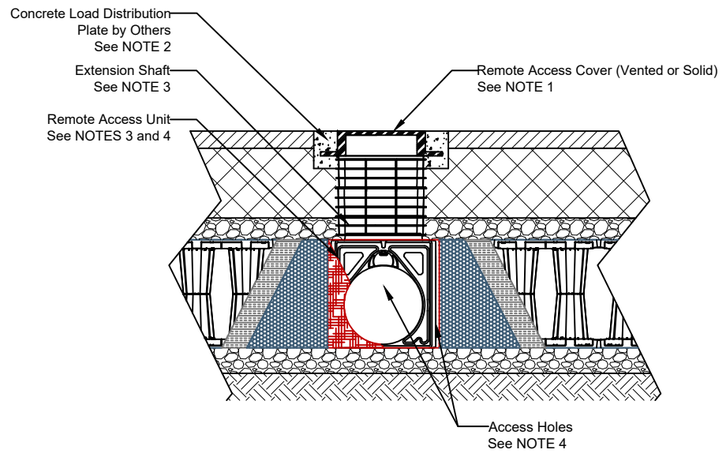
NOTE 1: Sump below pipe inverts to be specified by Site Design Engineer. Bypass structures may be installed outside or within the tank footprint depending upon the structure's geometry. ACO recommends that top of bypass weir or invert of bypass pipe is approximately 2.5' above the design tank invert. Contact ACO for more information.
NOTE 2: Tank Dimensions, Module Orientation, and Number of Inlets varies based on project-specific layer orientation drawings.



SYSTEM CROSS SECTION

NTS

NOTE 1: Minimum Cover Depth varies depending on module type, system height, subsurface conditions, and anticipated traffic type and volume. See Standard Details for selected StormBrixx system for more information.
NOTE 2: Type and Number of StormBrixx Module layers may vary - 1-layer 600HD Modules depicted in detail. See Standard Detail Sheets for tank section views. See project layout drawings for footprint dimensions
NOTE 3: Module Type and System Height for the Sediment Filtration Tunnel will match the remainder of the StormBrixx tank
NOTE 4: Internal System Overflows may be used for systems heights greater than 2.5'. Contact ACO for more information.



ACCESS POINT CROSS SECTION

NTS

NOTE 1: Ventilation may be crucial to reducing the pressure build up within the system. If solid access covers are used, alternative methods of ventilation are recommended.
NOTE 2: Concrete Load Plate not required for unpaved applications. Consult Engineer of Record for requirements
NOTE 3: Type and Number of StormBrixx Remote Access Units and Extension Shafts are based on the application. Depicted is one 600HD Remote Access Unit and two Extension Shafts. See project-specific layout drawings and section details for more information.
NOTE 4: Contractor to cut template holes on side walls, top and/or bottom of the Remote Access Unit to allow water flow and tank access based on the project layer orientation drawings.

REMOTE ACCESS UNIT PIPE DIAMETER CHART

Inlet/Outlet Pipe Diameter	
Nominal Pipe Template Hole Sizes for Side Wall	4 Inches
	6 inches
	8 inches
	10 inches
	12 inches
	15 inches

NOTE 1: Cut inlet / outlet pipe hole prior to side panel installation.
NOTE 2: Contact ACO for guidance for inlet / outlet pipes larger than 15-inch diameter

SEDIMENT FILTRATION TUNNEL FABRIC CHART

ACO StormBrixx - Sediment Filtration Tunnel - Geotextile Fabric Requirements			
Material Description	Needlepunched Non-woven geotextile fabric inert to biological degradation		
Properties	**Test Method**	**Unit**	**Minimum Average Per Roll**
Grab Tensile Strength	ASTM D4632	lbs (N)	250 (1113)
Grab Tensile Elongation	ASTM D4632	%	50
Trapezoid Tear Strength	ASTM D4533	lbs (N)	100 (445)
CBR Puncture Strength	ASTM D6241	lbs (N)	700 (3115)
			Minimum Opening Size
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	100 (0.15)
			Minimum Roll Value
Permittivity	ASTM D4491	sec^{-1}	0.8
Flow Rate	ASTM D4491	gal/min/sq ft (l/min/sq m)	75 (3056)
			Minimum Test Value
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	70
			Minimum Value
Approximate Weight per Square Yard		oz/sq yd (g/sq m)	9.8 (332)

NOTE 1: Fabric shall be installed with minimum laps as specified by the fabric manufacturer.

DRAWN BY	CHECKED BY
A Frye	**J Jonke**
DATE	REV.
01/13/2025	**0**

STORMBRIXX STANDARD DETAILS

INTERIOR SEDIMENT FILTRATION TUNNEL DETENTION/RETENTION TANK

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