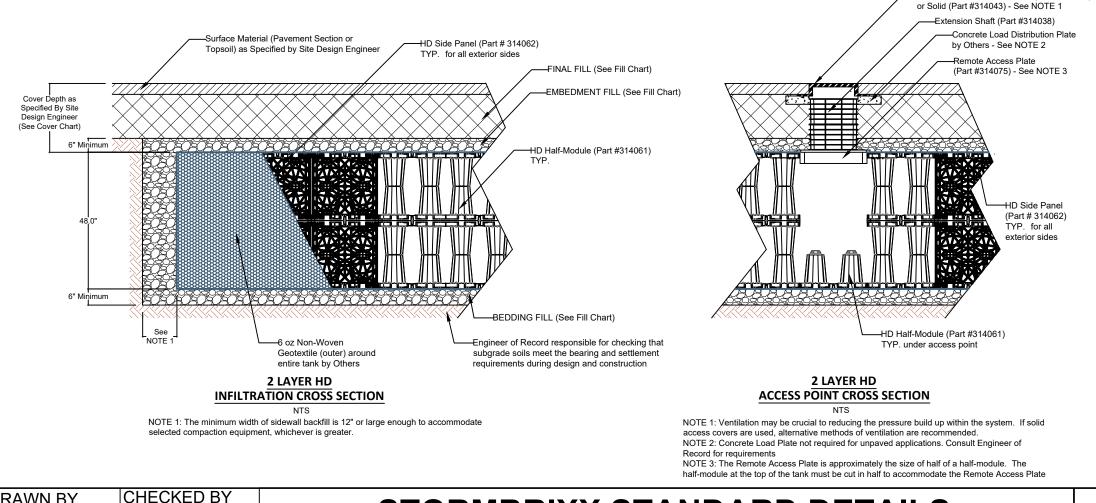
FILL CHART				CONSTRUCTION EQUIPMENT CHART		
Material Location	Description	Material C	lassification	Compaction/Density Requirement (NOTE 3)	Equipment Make (NOTE 1)	Maximum Gross Vehicle Weight (lbs)
Fill starting from the top of the Project Geoted		See Project Geotechnical Report and Site Design Engineer's Plans		Plate Compact or Static Roll up to 8-inch loose lifts to densify	Plate Compactor	1,500
				fill. Use at least two full passes of the equipment to level the	Roller - Static Mode	12,000
				layer. Continue until 24 inches of total fill thickness has been	Low Ground Pressure Tracked Vehicles (NOTE 2)	20,000
				placed above the tank. For AASHTO M145 soils, a minimum	Roller - Vibratory Mode	12,000
	Suitable Fill Materials as noted in the			of 95% of the Standard Proctor Maximum Dry Density is	Dump Trucks and Pans	NOTE 3
	oject Geotechnical Report and noted on e Site Design Engineer's Plans			recommended. After 24 inches of fill is placed, place fill in accordance with the engineer of record's relative compaction requirement or to 95% of the Standard Proctor Maximum Dry Density - whichever is greater.	NOTE 1: Vehicles shall make straight runs only across tank footprint. NOTE 2: Maximum track pressure 7 psi for tracked vehicles. NOTE 3: Dump trucks and pans shall not traverse or park over the system during construction. Ba unloaded near the excavation. Material shall not be stockpiled near the excavation for longer than	
EMBEDMENT FILL Fill Immediately Surrounding the sides and top of tank (NOTE 4) BEDDING FILL Fill Immediately below the tank (NOTE 4)	Sand-Gravel Mixtures or Open-Graded Crushed Aggregate Blends	AASHTO M145 A-1, A-2-4, A-3 or	AASHTO M43 3, 357, 4, 467, 5, 56, 57	Plate Compact or Static Roll up to 8-inch loose lifts to densify fill. Use at least two full passes of the equipment to level the layer. For AASHTO M145 soils, a minimum of 95% of the Standard Proctor Maximum Dry Density is recommended.	Stainless Steel Bands- by Others	<u> </u>

NOTE 1: This layer can include pavement subbase

NOTE 2: If open-graded aggregates are used for embedment fill, fines migration from the final to embedment fill layer may be reduced by installing a layer of 6 oz non-woven geotextile fabric at the final and embedment fill interface

NOTE 3: See Construction Equipment Table for more information for construction equipment limitations. NOTE 4: Import or native soils may be used if the soils meet the material classification listed. Fill material should be selected based on classification, groundwater conditions, and tank invert elevation.



	DRAWN BY A Frye	CHECKED BY J Jonke	
	DATE	REV.	
1	07/16/2024	1	

STORMBRIXX STANDARD DETAILS HD SYSTEM - 2 LAYER - INFILTRATION

Fill Depth over Tank (in)		
6		
18		
14		
24		

ruction. Backfill material may be temporarily onger than 24 hours.

-Cut Geotextile and wrap around inlet/outlet pipe

by Others

DETAIL A

PIPE WRAP

NTS

Remote Access Cover Vented (Part #314133)

-6 oz Non-Woven Geotextile			
(outer)	around entire tank		

COVER CHART

Live Loading Condition	Cover Thickness (inches)		
Live Loading Condition	Minimum	Maximum	
Non-Trafficked Areas (i.e.	12	130	
Landscaping)			
Passenger Vehicles Parking Lot			
(i.e. Gross Vehicle Weight	18	130	
<10,000 lbs)			
Passenger Vehicle Parking Lot			
with one weekly AASHTO HS-20	20	130	
vehicle			
Frequent AASHTO HS-20 Traffic	22	130	
Passenger Vehicle Parking Lot			
with one weekly AASHTO HS-25	24	130	
vehicle			
Frequent AASHTO HS-25 Traffic	26	130	

NOTE 1: Minimum Cover Thickness in non-trafficked areas is based on landscape surface with a 40 degree load distribution. In trafficked areas. Minimum Cover Thicknesses are based on an asphalt-surfaced pavement with a 30 degree load distribution

NOTE 2: Calculations assume backfill with a minimum 32-degree angle of internal friction and a maximum bulk density of 120 lbs per cubic foot, and a seasonal groundwater elevation at least 2 feet below the invert of the tank

SIDE PANEL PIPE DIAMETER CHART

Inlet/Outlet Pipe Diameter		
Minimum	Maximum	
4 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

