## **CONSTRUCTION EQUIPMENT CHART**

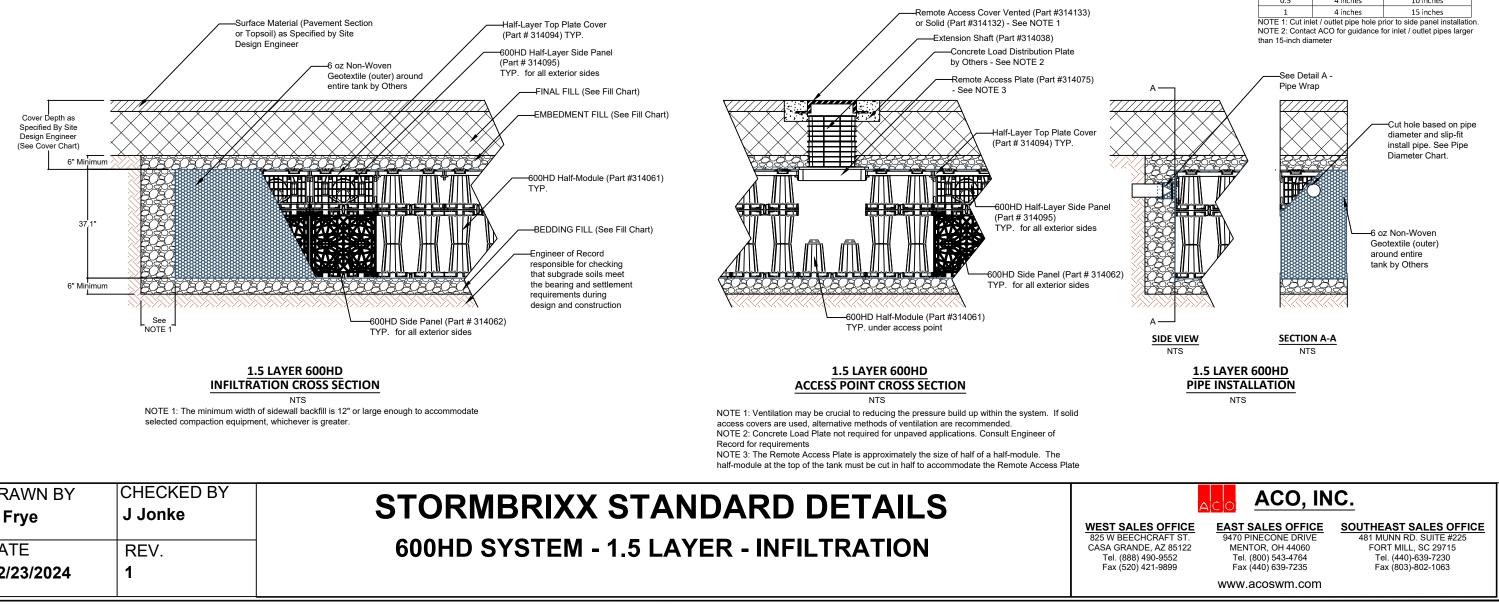
Material Location	Description	Mat	erial Cla	assification	Compaction/Density Requirement (NOTE 3)	Equipment Make (NOTE 1)	Maximum Gross Vehicle Weight (lbs) Min
	· ·				Plate Compact or Static Roll loose lifts to densify fill.	Plate Compactor	1,500
					Use at least two full passes of the equipment to level	Compact Track Loader (NOTE 2)	7,500
						Rubber-Tired Skid Steer (NOTE 3)	7,500
					the layer. Continue until 24 inches of total fill thickness	Low Ground Pressure Tracked Vehicles (NOTE 4)	20,000
					has been placed above the tank. For AASHTO M145 soils,	Roller - Static Mode	12,000
FINAL FILL	Suitable Fill Materials as noted in the	See Project G	entechr	nical Report and Site	a minimum of 95% of the Standard Proctor Maximum Dry	Roller - Vibratory Mode	12,000
Fill starting from the top of the	Project Geotechnical Report and noted			neer's Plans	Density is recommended.	Dump Trucks and Pans	NOTE 5
					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 2: Maximum ground pressure = 5 psi NOTE 3: Maximum axle load = 5,250 lbs NOTE 4: Maximum ground pressure = 7 psi NOTE 5: Contact ACO for more information regardin NOTE 6: Backfill material may be temporarily unload longer than 24 hours.	
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	l or l	AASHTO M43 3, 357, 4, 467, 5, 56, 57	Plate Compact or Static Roll 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	Cut Geotextile inlet/outlet pipe 6 oz Non-W (outer) arou by Others

**FILL CHART** 

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



by Others

**DETAIL A** 

**PIPE WRAP** 

NTS

DRAWN BY A Frye	CHECKED BY J Jonke
DATE	REV.
12/23/2024	1

num Fill Depth over Tank (in)				
6				
6				
14				
14				
18				
24				

FE 6: Backfill material may be temporarily unloaded near the excavation. Material shall not be stockpiled near the excavation for

-Cut Geotextile and wrap around

-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	134		
Landscaping)	12	154		
Passenger Vehicles Parking Lot				
(i.e. Gross Vehicle Weight	18	134		
<10,000 lbs)				
Passenger Vehicle Parking Lot				
with one weekly AASHTO HS-20	20	134		
vehicle				
Frequent AASHTO HS-20 Traffic	22	134		
Passenger Vehicle Parking Lot				
with one weekly AASHTO HS-25	24	134		

Frequent AASHTO HS-25 Traffic 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 density of 120 lbs per cubic foot, and a seasonal groundwater elevation at least 2 feet below the invert of the tank.

26

134

vehicle

## SIDE PANEL PIPE **DIAMETER CHART**

Layer Height	Inlet/Outlet Pipe Diameter				
Layer neight	Minimum	Maximum			
0.5	4 inches	10 inches			
1	4 inches	15 inches			
NOTE 1. Cut inl	et / outlet nine hole n	rior to side panel installation			

## COVED CHADT