		FILL CHART				CONSTR	RUCTION EQUIPMENT C	HART
Material Location	Description	Mate	erial Class	ification	Compaction/Density Requirement (NOTE 3)	Equipment Make (NOTE 1)	Maximum Gross Vehicle Weight (· · ·
					Plate Compact or Static Roll loose lifts to densify fill.	Plate Compactor	1,500	6
					Use at least two full passes of the equipment to level	Compact Track Loader (NOTE 2) Rubber-Tired Skid Steer (NOTE 3)	7,500	6 14
					the layer. Continue until 24 inches of total fill thickness	Low Ground Pressure Tracked Vehicles (NOTE 4)	,	14
					has been placed above the tank. For AASHTO M145 soils,	Roller - Static Mode	12,000	14
AL FILL	Suitable Fill Materials as noted in the				a minimum of 95% of the Standard Proctor Maximum Dry	Rollel - Static Wode	12,000	. 24
starting from the top of the	Project Geotechnical Report and noted	-		al Report and Site	Density is recommended.	Dump Trucks and Pans	-	NOTE 5
pedment fill layer. (NOTE 1 and 2)	on the Site Design Engineer's Plans	Desig	n Enginee	er's Plans		NOTE 1: Vehicles shall make straight runs only acro		
	on the one besign engineer strains				After 24 inches of fill is placed, place fill in accordance	NOTE 2: Maximum ground pressure = 5 psi		
					with the engineer of record's relative compaction	NOTE 3: Maximum axle load = 5,250 lbs NOTE 4: Maximum ground pressure = 7 psi		
					requirement or to 95% of the Standard Proctor Maximum	NOTE 5: Contact ACO for more information regarding		
					· ·	NOTE 6: Backfill material may be temporarily unload longer than 24 hours.	led near the excavation. Material shal	Il not be stockpiled near the excava
					Dry Density - whichever is greater.		Cut Geo	otextile/ Geomembrane
EDMENT FILL					Plate Compact or Static Roll loose lifts to densify fill.			p around inlet/outlet pipe
mmediately Surrounding the sides					Use at least two full passes of the equipment to level			
top of tank (NOTE 4)	Sand-Gravel Mixtures or Open-Graded	AASHTO M145	or		the layer. For AASHTO M145 soils, a minimum of 95% of	Stainless 💋		
DING FILL	Crushed Aggregate Blends	A-1, A-2-4, A-3	3, 3	357 4 467 5 56 57	the Standard Proctor Maximum Dry Density is	Steel Bands-		il Impermeable Geomembran
mmediately below the tank						by Others	(inne	r) around entire tank by Other
E 4)					recommended.			Non-Woven Geotextile (oute
1: This layer can include pavement subbas		·					DETAIL A arou	ind entire tank by Others
2: If open-graded aggregates are used for	embedment fill, fines migration from the final to en		ay be reduc	ed by installing a layer	of 6 oz non-woven geotextile fabric at the final and embedment fill interf	face. P	IPE WRAP	
	nore information for construction equipment limitat soils meet the material classification listed. Fill m		ected based	d on classification arour	ndwater conditions, and tank invert elevation.	-	NTS	
/er Depth as Specified 2 Site Design Engineer 4 (See Cover Chart) 4 6" Minimum 9 96.7"	or Topsoil) as Specified Design Engineer				VAL FILL (See Fill Chart) IBEDMENT FILL (See Fill Chart) 00HD Side Panel (Part # 314062) YP. for all exterior sides -600HD Half-Module (Part #314061) TYP.		stribution Plate by Others - See N	
				Eng che bea	DDING FILL (See Fill Chart) gineer of Record responsible for eacking that subgrade soils meet the aring and settlement requirements ring design and construction		ID Side Panel (Part # 314062) . for all exterior sides	
		Woven Geotextile tire tank by Others				600HD Half-Module (Part #	/ 314061)	
	See 6 oz Non- around er 4 LAYER 60	Woven Geotextile tire tank by Others				TYP. under access point 4 LAYER 600HD	£ 314061)	
	See 6 oz Non- orte 1 around er	Woven Geotextile tire tank by Others			ACC	TYP. under access point	ŧ 314061)	

compaction equipment, whichever is greater.

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: The Remote Access Plate is approximately the size of half of a half-module. The half-module at the top of the tank must be cut in half to accommodate the Remote Access Plate

DRAWN BY A Frye	CHECKED BY J Jonke	STORMBRIXX STANDARD DETAILS	WEST
DATE 12/23/2024	REV.	600HD SYSTEM - 4 LAYER - DETENTION	825 W CASA Tel Fax

Live Loading Condition	Cover Thickness (inches)				
Live Loading Condition	Minimum	Maximum			
Non-Trafficked Areas (i.e.	12	82			
Landscaping)	12	82			
Passenger Vehicles Parking Lot					
(i.e. Gross Vehicle Weight	18	82			
<10,000 lbs)					
Passenger Vehicle Parking Lot					
with one weekly AASHTO HS-20	20	82			
vehicle					
Frequent AASHTO HS-20 Traffic	22	82			
Passenger Vehicle Parking Lot					
with one weekly AASHTO HS-25	24	82			
vehicle					
Frequent AASHTO HS-25 Traffic	26	82			

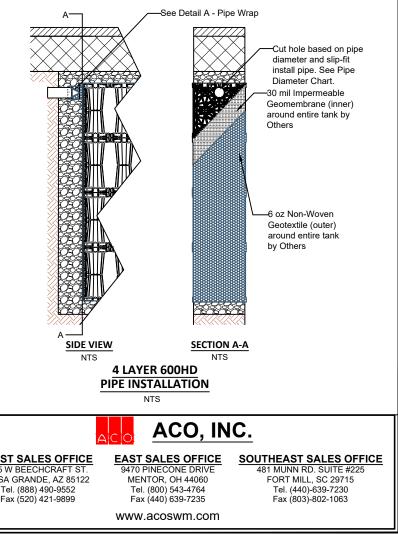
NOTE 1: Minimum Cover Thickness in non-trafficked areas is based on landscape surface with a 40 degree load distribution. In trafficked areas, Minimum Cover Thicknesses are based on an asphalt-surfaced pavement with a 30 degree load distribution. NOTE 2: Calculations assume backfill with a minimum 32-degree 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.

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



COVER CHART