		CONSTRUCTION EQUIPMENT CHART			COVER CHART					
Material Location	Description	Material Classification	Compaction/Density Requirement (NOTE 3)	Equipment Make (NOTE 1)	Maximum Gross Vehicle Weight (lbs)	Fill Depth over Tank (in)	Live Loading Condition	Cover Thickne	ess (inches)	
			Plate Compact or Static Roll up to 8-inch loose lifts to densify	Plate Compactor	1,500	6		Minimum	Maximum	
			fill. Use at least two full passes of the equipment to level the	Roller - Static Mode	12,000	18	Non-Trafficked Areas (i.e.	12	82	
			layer. Continue until 24 inches of total fill thickness has been	Low Ground Pressure Tracked Vehicles (NOTE 2)	20,000	14	Landscaping) Passenger Vehicles Parking Lot			
			placed above the tank. For AASHTO M145 soils, a minimum	Roller - Vibratory Mode	12,000	24	(i.e. Gross Vehicle Weight	18	82	
FINAL FILL	Suitable Fill Materials as noted in the	See Project Geotechnical Report and Site	of 95% of the Standard Proctor Maximum Dry Density is	Dump Trucks and Pans	NOTE.3		<10,000 lbs)	10	-	
Fill starting from the top of the	Project Geotechnical Report and noted on	Design Engineer's Plans	recommended.	NOTE 1: Vehicles shall make straight runs only across			Passenger Vehicle Parking Lot			
embedment fill layer. (NOTE 1 and	nd 2) the Site Design Engineer's Plans			NOTE 2: Maximum track pressure 7 psi for tracked vehi NOTE 3: Dump trucks and pans shall not traverse or pa		Il material may be temporarily	with one weekly AASHTO HS-	20	82	
			After 24 inches of fill is placed, place fill in accordance with	unloaded near the excavation. Material shall not be sto			20 vehicle Heavy AASHTO HS-20 Traffic	22	82	
			the engineer of record's relative compaction requirement or to 95% of the Standard Proctor Maximum Dry Density -		Cut Geotextile an	d wron oround	Passenger Vehicle Parking Lot	22	62	
			whichever is greater.		inlet/outlet pipe	d wrap around	with one weekly AASHTO HS-	24	82	
EMBEDMENT FILL					C.		25 vehicle			
Fill Immediately Surrounding the si	sides and		Plate Compact or Static Roll up to 8-inch loose lifts to densify	Stainless			Heavy AASHTO HS-25 Traffic	26	82	
top of tank (NOTE 4)	Sand-Gravel Mixtures or Open-Graded	AASHTO M145 AASHTO M43	fill. Use at least two full passes of the equipment to level the	Steel Bands-			NOTE 1: Minimum Cover Thickne			
BEDDING FILL	Crushed Aggregate Blends	l l or l	7 layer. For AASHTO M145 soils, a minimum of 95% of the	by Others			on landscape surface with a 40 d areas, Minimum Cover Thickness			
Fill Immediately below the tank			Standard Proctor Maximum Dry Density is recommended.		6 oz Non-Woven G	· · · · ·	pavement with a 30 degree load		aspirait-surraceu	
(NOTE 4)					around entire tank	by Others	NOTE 2: Calculations assume ba			
NOTE 1: This layer can include pavement		<u>_</u>			DETAIL A		angle of internal friction and a ma cubic foot, and a seasonal groun			
	re used for embedment fill, fines migration from the final to en Table for more information for construction equipment limitat		er of 6 oz non-woven geotextile fabric at the final and embedment fill interfac	-	PE WRAP		the invert of the tank.			
	used if the soils meet the material classification listed. Fill m		oundwater conditions, and tank invert elevation.	-	NTS		SIDE PANEL PIPE	DIAMETER C	HART	
							Inlet/Outlet	Pipe Diameter		
				Remote Access Cover Vent			Minimum	Maximum	-	
	Curfeee Me	stanial (Davidence of Castian		Solid (Part #314043) - See	NOTE 1		4 inches	18 inches*		
						aft (Part #314038)		NOTE 1: Maximum pipe diameter directly into side panel is 15 inches. Remote access unit required for pipes larger than 15 inches		
	Design Engineer TYP. for all exterior sides				Concrete Load Distribution Plate by Others - See NOTE 2					
			AL FILL (See Fill Chart)	Bomoto Accesso Dista	Part #314075) - See NOTE 3		NOTE 2: Cut inlet / outlet pipe I *NOTE 3: Contact ACO for guid			
+			$\nabla T = T = T$	Remote Access Plate	Part #314075) - See NOTE 3		18-inch diameter			
Cover Depth as Specified		EM	BEDMENT FILL (See Fill Chart)							
By Site Design Engineer (See Cover Chart)										
· · · · · · · · · · · · · · · · · · ·	-					A	See Detail A - Pipe Wrap			
6" Minimum							<b>/</b>			
								—Cut template h	ole based	
			HD Half-Module (Part #314061)					on pipe diame		
			TYP.					slip-fit install pi	pe. See	
								Pipe Diameter	Chart.	
	BOBOLE STREET						AND CO			
8'-0" I					anel (Part # 314062)					
		BED	DING FILL (See Fill Chart)		Il exterior sides					
			jineer of Record responsible for	itti itti <b>ka</b>						
			cking that subgrade soils meet the							
			ring and settlement requirements							
								—6 oz Non-Wove	n	
		A A A A A A A A A A A A A A A A A A A				bee the		Geotextile (oute		
								around entire ta		
6" Minimum				FOFOFOFOFOFOFOF				by Others		
	<u> </u>									
	6 oz Non-W	oven Geotextile (outer)								
		e tank by Others		HD Half-Module (Part #314061) TYP. under access point						
	4 LAYER HI			4 LAYER HD						
	INFILTRATION CROS	S SECTION	ACCESS	POINT CROSS SECTION						
	NTS		NOTE 1. Ventilation may be crucial to re	NTS educing the pressure build up within the system. If so	lid access covers are	SIDE VIEW	SECTION A-A			
	NOTE 1: The minimum width of sidewall backfill is 12" of compaction equipment, whichever is greater.	or large enough to accommodate selected	used, alternative methods of ventilation		10 00000 00 VOID AIG	NTS	NTS			
C	sompaonon equipment, whichever is greater.		NOTE 2: Concrete Load Plate not requi	red for unpaved applications. Consult Engineer of Re			AYER HD			
			NOTE 3: The Remote Access Plate is a the tank must be cut in half to accommo	pproximately the size of half of a half-module. The h date the Remote Access Plate	all-module at the top of	PIPE II	ISTALLATION			
							NTS			

CHECKED BY DRAWN BY **STORMBRIXX STANDARD DETAILS** J Jonke A Frye HD SYSTEM - 4 LAYER - INFILTRATION DATE REV. 04/26/2024 0

