EMBEDMIENT FILL Fill Immediately Surrounding the sides and top of tank (NOTE 4) BEDDING FILL Fill Immediately Surrounding the sides and top of tank (NOTE 4) BEDDING FILL Fill Immediately below the tank (NOTE 1: This layer can include pavement subbase NOTE 1: This layer can include pavement subbase NOTE 2: If open-graded aggregates are used for embedment fill, fines migration for the soles meet the material classic NOTE 4: Import or native soles may be used if the soles meet the material classic Visit 5: See Construction Equipment Table for more information for construct Topool (not pave) NOTE 4: Import or native soles may be used if the soles meet the material classic Visit 6: Cover Depth as Specified by Ste Design Engineer (See Cover Chart) If all fill fill fill fill fill fill fill	ion					
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III starting from the top of the mbedment fill layer. (NOTE 1 and 2) Project Geotechnical Register to the site Design Engineer's the Site			Plate Compact or Static Roll up to 8-inch loose li		1,500	6
Il starting from the top of the mbedment fill layer. (NOTE 1 and 2) Project Geotechnical Reg the Site Design Engineer's bestign Engineer's VBEDMENT FILL Il Immediately Surrounding the sides and op of tank (NOTE 4) EDDING FILI Il Immediately below the tank (OTE 4) Sand-Gravel Mixtures or Crushed Aggregate Blend DITE 1: flog-randed aggregates are used for more information for construct DITE 2: flog-randed aggregates are used for seconstruction Equipment Table for more information for construct DITE 4: Import or native soils may be used if the soils meet the material classi Cover Depth as Specified By Site Depth as Specified By Site Depth as Specified By Site Depth as Cover Chart; 6' Minimum 48,4'' 48,4'' 6' Minimum 48,4'' 6' Minimum 48,4			fill. Use at least two full passes of the equipment	Dubban Tingd Chid Steps (NOTE 2)	7,500	6
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It starting from the top of the nebedment fill layer. (NOTE 1 and 2) Project Geotechnical Register the Site Design Engineer's the Site Design Engineer's the Site Design Engineer's could be a start of the Site Design Engineer's could be start of the Site Design			placed above the tank. For AASHTO M145 soils,	a minimum Beller Static Mede	12,000	14
the Site Design Engineer Sector Chart Cover Depth as Design Engineer Sector Chart Cover Cha	noted in the	See Project Geotechnical Report and Sit	of 95% of the Standard Proctor Maximum Dry De	ensity is Roller - Vibratory Mode	12,000	24
VBEDMENT FIL Immediately Surrounding the sides and bot fank (NOTE 4) Sand-Gravel Mixtures or Crushed Aggregate Blend EDDING FIL Immediately below the tank Sand-Gravel Mixtures or Crushed Aggregate Blend DT1 1: This layer can include pavement subbas: Sand-Gravel Mixtures or Crushed Aggregate Blend DT2 1: This layer can include pavement subbas: Sand-Gravel Mixtures or Crushed Aggregate Blend DT2 1: This layer can include pavement subbas: Sand-Gravel Mixtures or Crushed Aggregate Blend DT2 1: This layer can include pavement subbas: Sand-Gravel Mixtures or Crushed Aggregate Blend DT2 1: This layer can include pavement subbas: Sand-Gravel Mixtures or Crushed Aggregate Blend DT2 1: This layer can include pavement subbas: Sand-Gravel Mixtures or Crushed Aggregate Blend DT2 1: This layer can include pavement subbas: Sand-Gravel Mixtures or Crushed Aggregate Blend OTE 1: This layer can include pavement subbas: Sand-Gravel Mixtures or Crushed Aggregate Blend OTE 1: This layer can include pavement subbas: Sand-Gravel Mixtures or Crushed Aggregate Blend Orego and the soils may be used if the soils meet the material class Sand-Gravel Mixtures or Crushed Aggregate Blend Orego and the soils may be used if the soils meet the material class Sand-Gravel Mixtures or Crushed Aggregate Blend Orego and the soils may be used if the soils meet the ma	port and noted on	Design Engineer's Plans	recommended.	Dump Trucks and Pans	12,000	NOTE 5
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DTE 3: See Construction Equipment Table for more information for construction TE 4: Import or native soils may be used if the soils meet the material classifier of the soils meet the soils meet the material classifier of the soils meet the material classifier of the soils meet the material classifier of the soils meet the soils meet the material classifier of the soils meet the material classifier of the soils meet the		AASHTO M145 A-1, A-2-4, A-3	Plate Compact or Static Roll up to 8-inch loose li fill. Use at least two full passes of the equipment 6, 57 layer. For AASHTO M145 soils, a minimum of 95 Standard Proctor Maximum Dry Density is recom	to level the % of the Stainless		Cut Geotextile/ Geomembrane and wrap around inlet/outlet pipe -30 mil Impermeable Geomembrane (inner) around entire tank by Others
Topsoil) as 5 pecified By Site Design Engineer (See Cover Chart) 6" Minimum 48.4" 6" Minimum 6"			groundwater conditions, and tank invert elevation.		DETAIL A PIPE WRAP NTS Remote Access Cover Vented (Part #3 or Solid (Part #314132) - See NOTE 1 Extension Shaft (Part #314038)	 6 oz Non-Woven Geotextile (outer) around entire tank by Others 14133)
L See J Geotext NOTE 1 Geotext entire ta	Specified by Site D	besign Engineer	FINAL FILL (See Fill Chart) EMBEDMENT FILL (See Fill Chart) 600HD Half-Module (Part #314061) TYP.		Concrete Load Distribution Pla by Others - See NOTE 2 Remote Access Plate (Part #314075) - See NOTE 3 600HD Side Pa (Part # 314062) TYP. for all exterior sides	a A
		30 mil Impermeable Geomembrane (inner) around entire tank by Others	ineer of Record responsible for checking that grade soils meet the bearing and settlement uirements during design and construction NO	TYP. ur <u> 2 LAYER 600HD</u> <u> ACCESS POINT CROSS SECTI</u> NTS TE 1: Ventilation may be crucial to reducing the pressure ess covers are used, alternative methods of ventilation a	build up within the system. If solid e recommended.	A SIDE VI NTS
RAWN BY CHECKED BY		CTOD.	Re NO hat	TE 2: Concrete Load Plate not required for unpaved appl cord for requirements TE 3: The Remote Access Plate is approximately the size -module at the top of the tank must be cut in half to acco	of half of a half-module. The nmodate the Remote Access Plate	

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

600HD SYSTEM - 2 LAYER - DETENTION

COVER CHART

Live Londing 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	

Frequent AASHTO HS-25 Traffic 26 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 : Contact ACO for guidance for inlet / outlet pipes larger than 15-inch diameter

