

UNITS: DEPTH/DISTANCE: ft, UNIT WEIGHT: pcf, FORCE: kip/ft, PRESSURE: ksf, SLOPE: kcf Date: 1/22/2024 File: UNTITLED

* INPUT DATA *

Wall Height	t=20.0 Total	Soil Types= 1									
Soil No.	Weight	Saturate	Phi	Cohesion	Nspt	Туре	Description				
1	120.0	130.0	32	0.0	20	4	Sand				
Ground Surface at Active Side:											
Line	Z1	Xa1	Z2	Xa2	Soil No.	Description					
1	0.0	0.0	0.0	800.0	1	Sand					
Ground Su	rface at Passive \$	Side:									
Line	Z1	Xp1	Z2	Xp2	Soil No.	Description					
1	20.0	0.0	20.0	800.0	1	Sand					

Wall Friction Options: 1.* No wall friction Wall Batter Angle = 0 Apparent Pressure Conversion: 1.* Default (Terzaghi and Peck)* Water Density = 62.4 Water Pressure: 1.* No seepage at wall tip

* OUTPUT RESULTS *

Total Force above Base= 7.37 per one linear foot (or meter) width along wall height

Total Static Force above Base= 7.37. Distributed in Apparent Envelope along wall height. Ignore soil layers and water line

Driving Pre	essure above Bas	e - Output to Shorir	ng - Multiplier of	f Pressure = 1		
Z1	Pa1	Z2	Pa2	Slope	Coef.	
0.00	0.00	5.00	0.59	0.1180	0.9832	
5.00	0.59	15.00	0.59	0.0000	0.0000	
15.00	0.59	20.00	0.00	-0.1180	-0.9832	
Driving Pre	essure below Bas	e - Output to Shorir	ng - Multiplier of	Pressure = 1		
Z1	Pa1	Z2	Pa2	Slope	Ka or Ko	
20.00	0.74	40.00	1.47	0.0369	0.3073	
Passive Pr	ressure below Bas	se - Output to Shori	ng - Multiplier c	of Pressure = 1		
Z1	Pp1	Z2	Pp2	Slope	Кр	
20.00	0.00	40.00	7.81	0.391	3.2546	

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