



No.	Name	Pattern	Y _{sat} [pcf]	Y _s [pcf]	n [-]
2	Granular Backfill		135.0		
3	Sand and Gravel - Foundation Soil		130.0		

Soil parameters

Lean Clay

Unit weight : $\gamma = 120.0$ pcf
 Stress-state : effective
 Angle of internal friction : $\phi_{ef} = 29.00^\circ$
 Cohesion of soil : $c_{ef} = 25.0$ psf
 Saturated unit weight : $\gamma_{sat} = 121.0$ pcf


Granular Backfill

Unit weight : $\gamma = 135.0$ pcf
 Stress-state : effective
 Angle of internal friction : $\phi_{ef} = 39.00^\circ$
 Cohesion of soil : $c_{ef} = 0.0$ psf
 Saturated unit weight : $\gamma_{sat} = 135.0$ pcf

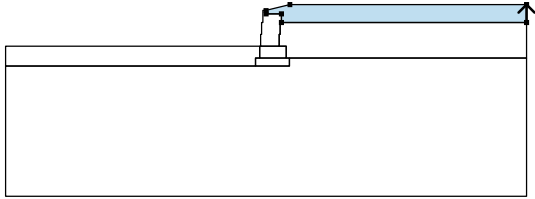

Sand and Gravel - Foundation Soil

Unit weight : $\gamma = 130.0$ pcf
 Stress-state : effective
 Angle of internal friction : $\phi_{ef} = 30.00^\circ$
 Cohesion of soil : $c_{ef} = 0.0$ psf
 Saturated unit weight : $\gamma_{sat} = 130.0$ pcf

Rigid Bodies

No.	Name	Sample	Y [pcf]
1	Material of structure		120.0

Assigning and surfaces

No.	Surface position	Coordinates of surface points [ft]				Assigned soil
		x	z	x	z	
1		32.80	-1.50	32.80	0.75	Lean Clay 
		3.00	0.75	0.00	0.00	
		0.00	-0.42	1.92	-0.42	
		1.92	-1.50			