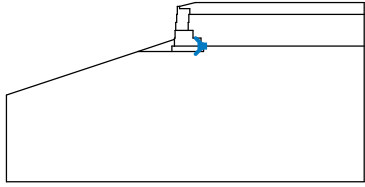
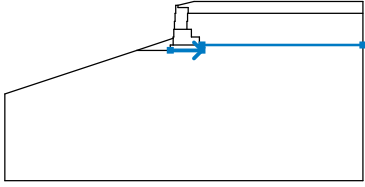








John Shively PE

No.	Interface location	Coordinates of interface points [ft]					
		x	z	x	z	x	z
8		4.04	-7.50	4.54	-7.50		
9		-1.46	-8.50	4.54	-8.50	4.54	-7.50
		35.00	-7.50				

Soil parameters - effective stress state

No.	Name	Pattern	ϕ_{ef} [°]	c_{ef} [psf]	γ [pcf]
1	Lean Clay		29.00	25.0	120.0
2	Granular Backfill		39.00	0.0	135.0
3	Sand and Gravel - Foundation Soil		30.00	0.0	130.0

Soil parameters - uplift

No.	Name	Pattern	γ_{sat} [pcf]	γ_s [pcf]	n [-]
1	Lean Clay		121.0		
2	Granular Backfill		135.0		
3	Sand and Gravel - Foundation Soil		130.0		

Soil parameters

Lean ClayUnit weight : $\gamma = 120.0$ pcf

Stress-state : effective

Angle of internal friction : $\phi_{ef} = 29.00^\circ$