



Moisture-Density-Porosity Report

Cooper Testing Labs, Inc. (ASTM D7263b)

CTL Job No: _____ Project No. _____ By: RU
 Client: _____ Date: _____
 Project Name: _____ Remarks: _____

Boring:	1-1	1-2	1-3	1-4				
Sample:								
Depth, ft:	3.0	7.0	10.75	16.25				
Visual Description:	Black CLAY	Olive Brown Clayey SAND	Light Olive Gray Sandy CLAY	Yellowish Brown Clayey SAND				
Actual G_s								
Assumed G_s	2.70	2.70	2.70	2.70				
Moisture, %	31.3	22.6	19.7	28.0				
Wet Unit wt, pcf	119.6	127.9	130.5	122.9				
Dry Unit wt, pcf	91.0	104.3	109.0	96.0				
Dry Bulk Dens.pb, (g/cc)	1.46	1.67	1.75	1.54				
Saturation, %	99.2	99.0	97.1	99.9				
Total Porosity, %	46.0	38.1	35.4	43.1				
Volumetric Water Cont., θ_w, %	45.7	37.8	34.3	43.1				
Volumetric Air Cont., θ_a, %	0.4	0.4	1.0	0.0				
Void Ratio	0.85	0.62	0.55	0.76				
Series	1	2	3	4	5	6	7	8

Note: All reported parameters are from the as-received sample condition unless otherwise noted. If an assumed specific gravity (G_s) was used then the saturation, porosities, and void ratio should be considered approximate.

Moisture-Density

