



Shrink-Swell / Expansion Pressure ASTM D 3877m

Job No.: _____ LL _____ Date: _____
 Client: _____ PL _____ By: MD
 Project: _____ PI _____ Checked By: DC Assumed Determined
 Boring: SB-45 Sample: T-1 Depth, ft: 3.3-3.9 Specific Gravity: 2.75

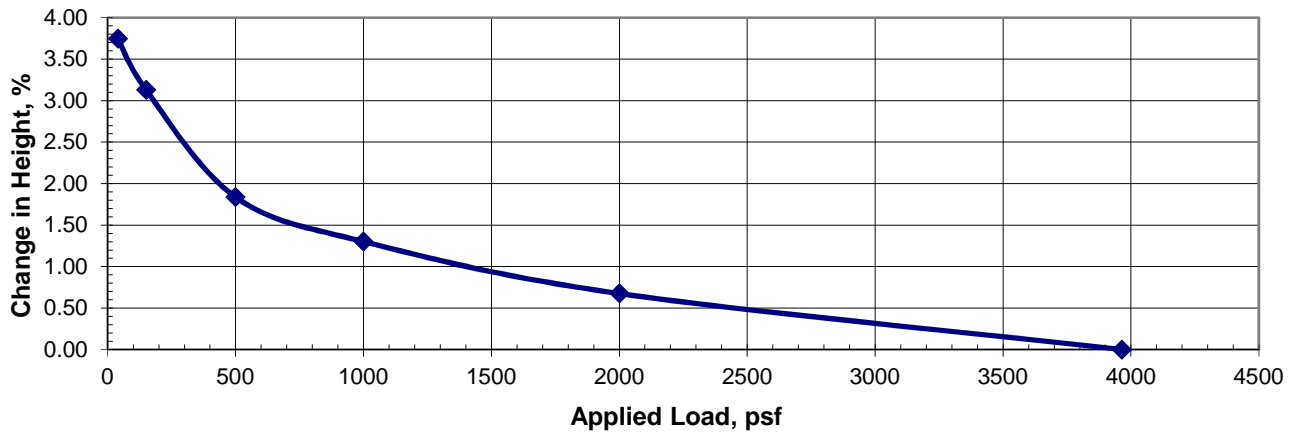
Soil Desc. Grayish Brown Weathered Claystone

Load, psf:	3964	2000	1000	500	150	40
Exp., %	0.00	0.68	1.30	1.84	3.13	3.75

	Field	Air Dry1	Saturated	Air Dry2	Oven-Dry	Remarks:
Moisture %:	23.0	6.1	25.5	5.4	0.0	
Dry Density, pcf	101.8	112.2	100.1	108.3	110.0	
Saturation, %	91.9	31.4	98.0	25.4	0.0	
Void Ratio	0.687	0.531	0.717	0.587	0.561	
Volume Change, %	N/A	0.0	12.1	3.6	2.0	

Notes: The specimen was air-dried prior to the expansion test.
 Volume change calculated from the initial air-dried condition.

Expansion Pressure



Volume Change

