

Consolidation Test

Project Name: HAM-126-19.50

Source: B-001-0-24 ST-4 (7.7'-7.8')

Description: Very stiff, brown mottled with orangish brown and gray, CLAY,
some silt, little sand, trace gravel, damp.

Prepared by: LR

Checked by: ZM

Date: 11/18/2024

Test Specification: ASTM D 2435

Initial Void Ratio: 0.531

Initial Bulk Unit Weight (lb/ft³): 130

In-situ Vertical Effective Stress (psf): 924

Dry Unit Weight (lb/ft³): 110

Compression and Swelling Index

Compression Index (C_c): 0.104

Preconsolidation Pressure (σ'_c) (psf): 5000

Recompression Index (C_r): 0.021

Over-Consolidation Ratio (OCR): 5.4

Consolidation Curve

