

## Consolidation Test

Project Name: HAM-126-19.50

Source: B-003-0-24 ST-1 (2.2'-2.3')

Description: Hard, 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: 0.628

Initial Bulk Unit Weight (lb/ft<sup>3</sup>): 127

In-situ Vertical Effective Stress(psf): 264

Dry Unit Weight (lb/ft<sup>3</sup>): 104

### Compression and Swelling Index

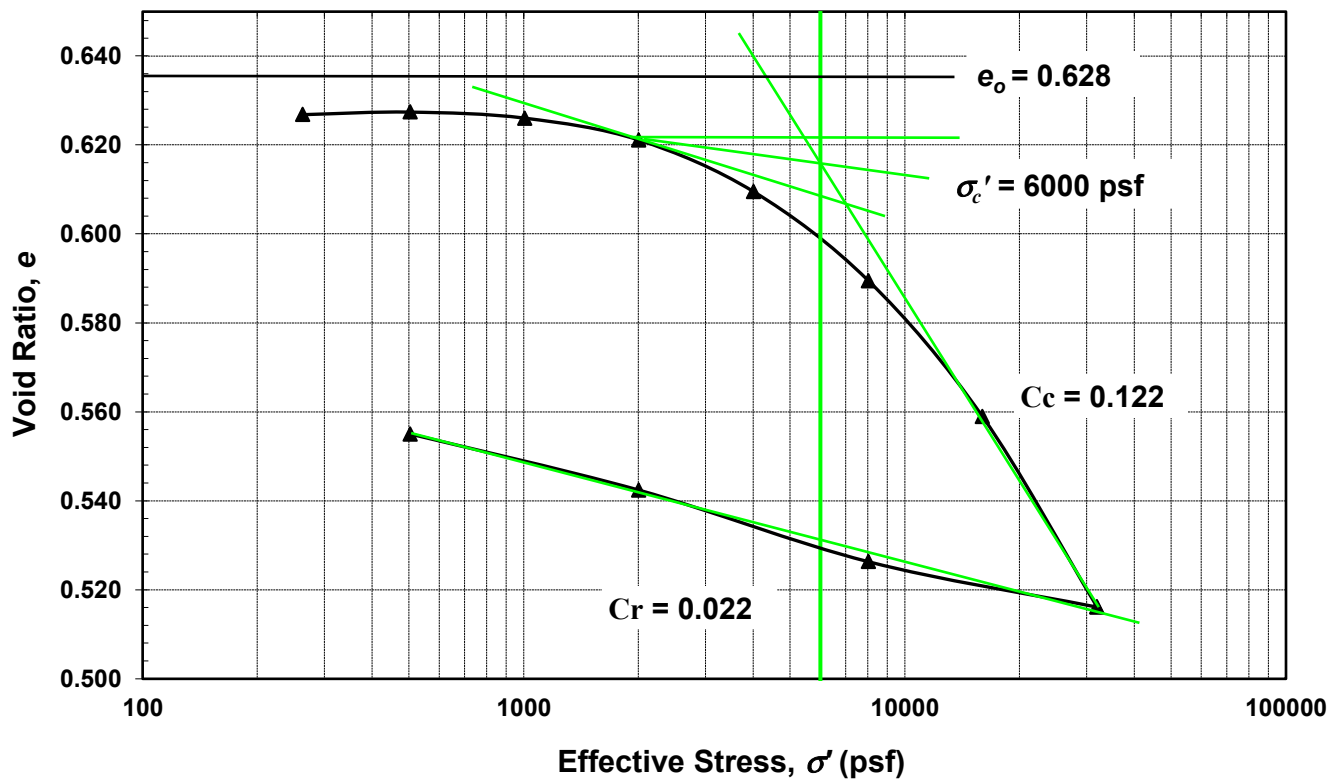
Compression Index ( $C_c$ ): 0.122

Preconsolidation Pressure ( $\sigma'_c$ )(psf): 6000

Recompression Index ( $C_r$ ): 0.022

Over-Consolidation Ratio (OCR): 22.7

### Consolidation Curve



### Loading

