

Symbol	Sample	Depth (feet)	Material Description	USCS	LL	PL	PI					
	B-1	10.0 to 11.5	Reddish brown SILTY CLAY with some sand and gravel	CH	59	27	32					
•	B-4	2.5 to 4.0	Reddish brown SILTY CLAY with some sand and gravel	СН	57	29	28					
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SUMMARY OF ATTERBERG LIMITS (ASTM D4318) TEST RESULTS

KAILUA ROAD INTERSECTION IMPROVEMENTS
VICINITY OF ULUOA STREET AND ULUMANU DRIVE
KAILUA, OAHU, HAWAII



PROJECT NO.: 110922-00 PLATE

DATE: DECEMBER 2023

B-1

					Moisture Contents			
<u>Location</u>	<u>Depth</u> (feet)	Test Type	Soil Description	Dry Density (pcf)	Initial (%)	Air- Dried (%)	<u>Final</u> (%)	Ring Swell (%)
B-1	1.0 to 2.5	Natural	Reddish brown SILTY CLAY with some sand and gravel	92.8	34.0	21.2	38.8	2.1
B-3	5.0 to 6.5	Remolded	Brown SILTY CLAY with some sand and a little gravel	100.5	22.6	12.8	28.8	8.9

Note: Samples tested were either relatively undisturbed (natural) or remolded in 2.4-inch diameter by 1-inch high rings. Samples were then air-dried overnight followed by saturating for a minimum of 24 hours under a surcharge pressure of 60 psf.

SUMMARY OF RING SWELL TEST RESULTS

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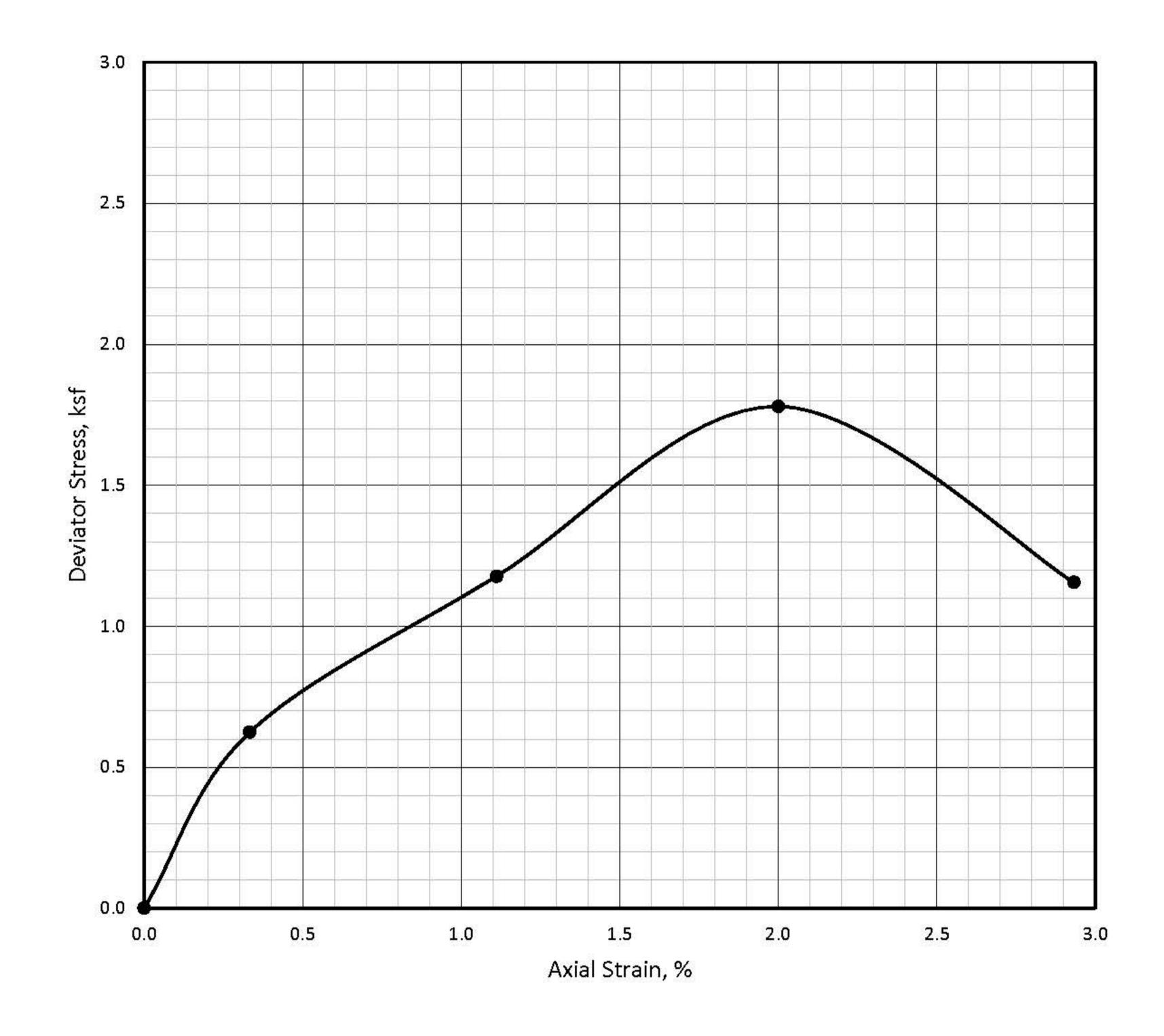


PROJECT NO.: 110922-00

DATE: DECEMBER 2023

PLATE

B-2



Location: B-1

Depth: 5.0 to 6.5 feet

Description: Reddish brown to brown SILTY

CLAY w/sm sand & a little gravel

Dry Density: 77.8 pcf Moisture: 37.5 %

Sample Diameter: 2.42 inches
Sample Length: 5.0 inches

Unconfined Compressive Strength: 1.8 ksf
Axial Strain at Failure: 2.0 %

Strain Rate: 1.04 %/min.

SUMMARY OF UNCONFINED COMPRESSION (ASTM D2166) TEST RESULTS

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