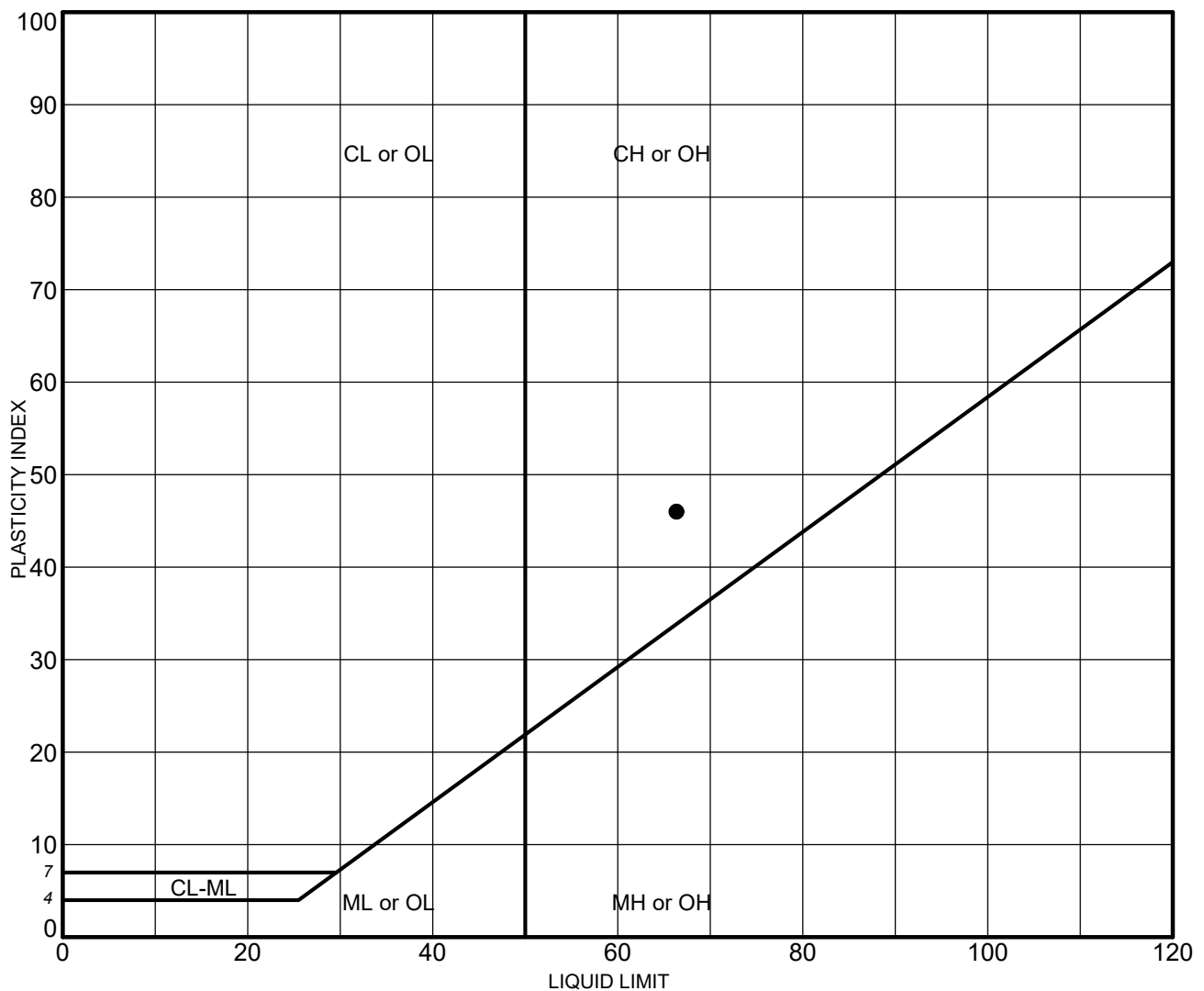




	Sample	Depth (ft)	LL	PL	PI	Description
●	B-2	2.5-4.0	66	20	46	Brown clay (CH) with some sand and gravel

NP = NON-PLASTIC

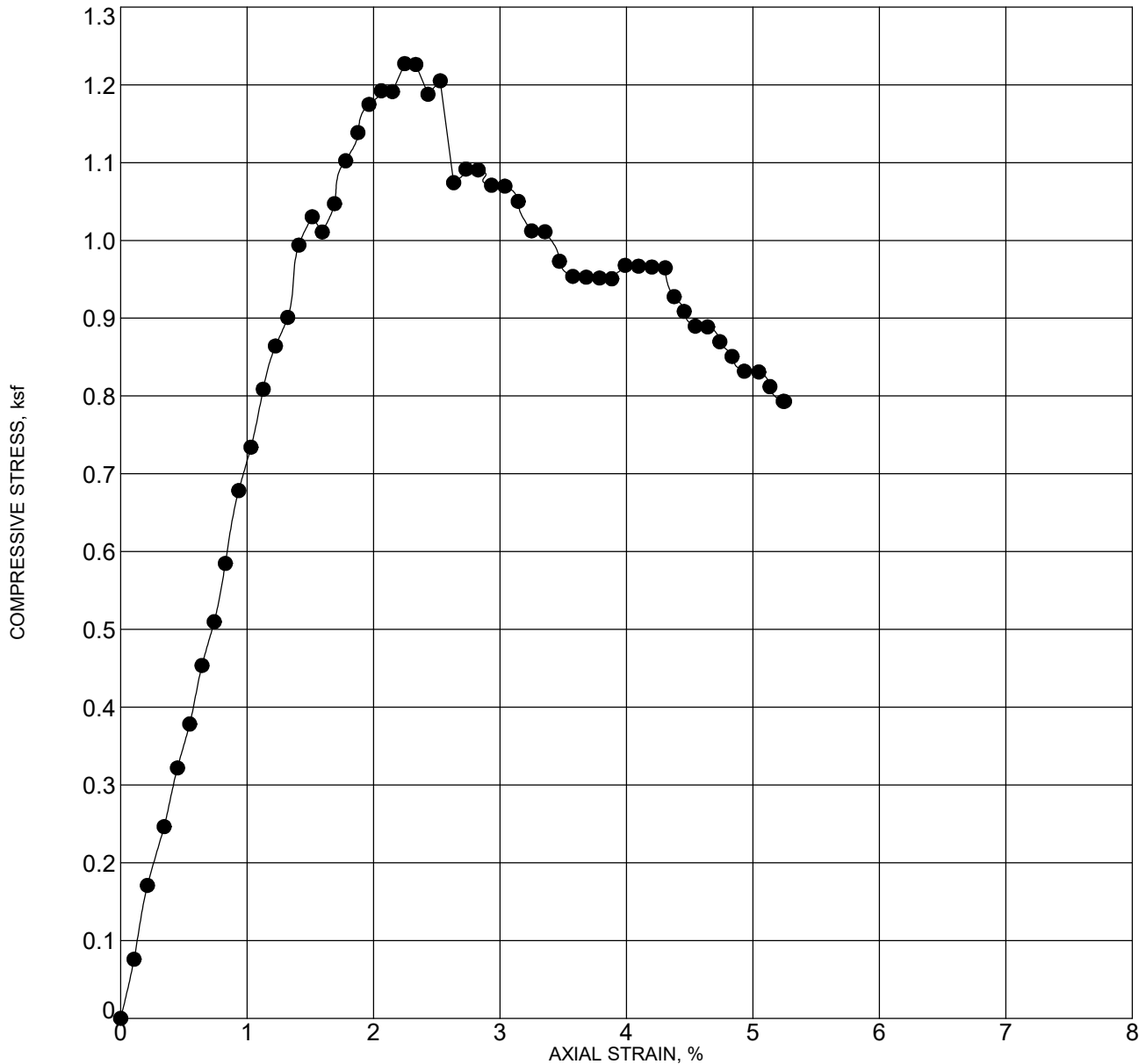


GEOLABS, INC.
 GEOTECHNICAL ENGINEERING
 W.O. 7328-00(C)

ATTERBERG LIMITS TEST RESULTS - ASTM D4318

TRAFFIC SIGNAL MODERNIZATION PROJECT
 KALANIANA'OLE HIGHWAY &
 KALANI'IKI STREET INTERSECTION
 HONOLULU, OAHU, HAWAII

Plate
B - 1



Unconfined Compressive Strength (ksf):	1.23
Axial Strain at Failure (%):	2.2
Strain Rate (% / minute):	0.94

Location: B-2
Depth: 1.0 - 2.5 feet
Description: Brown clay with some sand and gravel
Test Date: 6/3/2019

Dry Density (pcf)	86.7	Sample Diameter (inches)	2.390
Moisture (%)	24.9	Sample Height (inches)	5.000
 GEOLABS, INC. GEOTECHNICAL ENGINEERING W.O. 7328-00(C)		UNCONFINED COMPRESSION TEST - ASTM D2166	
		TRAFFIC SIGNAL MODERNIZATION PROJECT KALANIANA'OLE HIGHWAY & KALANI'IKI STREET INTERSECTION HONOLULU, OAHU, HAWAII	Plate B - 2

Location	Depth	Length	Diameter	Length/ Diameter Ratio	Density	Load	Compressive Strength
	(feet)	(inches)	(inches)		(pcf)	(lbs)	(psi)
B-2	6 - 11	6.900	3.300	2.09	141.6	35,870	4,190
B-2	17.5 - 21	6.900	3.300	2.09	111.0	23,410	2,740

ASTM D7012 (METHOD C)



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UNIAXIAL COMPRESSIVE STRENGTH TEST

TRAFFIC SIGNAL MODERNIZATION PROJECT
KALANIANA'OLE HIGHWAY &
KALANIIKI STREET INTERSECTION
HONOLULU, OAHU, HAWAII

Plate
B - 3