

MAJOR DIVISIONS	GROUP SYMBOLS	TYPICAL NAMES
CLEAN GRAVELS (More than 50% of coarse fraction is larger than the No. 20 sieve size.)	GW	Well graded gravel, gravel-sand mixtures, little or no fines.
COARSE GRAINED SOILS (More than 50% of the larger than No. 200 sieve size.)	GP	Poorly graded gravels or gravel-sand mixtures, little or no fines.
CLEAN SANDS (More than 50% of coarse fraction is smaller than the No. 4 sieve size.)	GM	Silty gravels, gravel-sand mixtures.
COARSE SANDS (More than 50% of coarse fraction is smaller than the No. 4 sieve size.)	GC	Clayey gravels, gravel-sand-clay mixtures.
CLEAN SILTS AND CLAYS (Liquid limit LESS than 50.)	SW	Well graded sands, gravelly sands, little or no fines.
COARSE SILTS AND CLAYS (Liquid limit GREATER than 50.)	SP	Poorly graded sands or gravelly sands, little or no fines.
CLAYEY SILTS AND CLAYS (Liquid limit GREATER than 50.)	SM	Silty sands, sand-silt mixtures.
CLAYEY SILTS AND CLAYS (Liquid limit GREATER than 50.)	SC	Clayey sands, sand-clay mixtures.
CLAYEY SILTS AND CLAYS (Liquid limit GREATER than 50.)	ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity.
CLAYEY SILTS AND CLAYS (Liquid limit GREATER than 50.)	OL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
CLAYEY SILTS AND CLAYS (Liquid limit GREATER than 50.)	OH	Inorganic silts and organic silty clays of low plasticity.
CLAYEY SILTS AND CLAYS (Liquid limit GREATER than 50.)	MH	Inorganic silts, micaceous or detritaceous fine sandy or silty soils, elastic silts.
CLAYEY SILTS AND CLAYS (Liquid limit GREATER than 50.)	CH	Inorganic clays of high plasticity, fat clays.
CLAYEY SILTS AND CLAYS (Liquid limit GREATER than 50.)	PT	Organic clays of medium to high plasticity, organic silts.
CLAYEY SILTS AND CLAYS (Liquid limit GREATER than 50.)	+	Peat and other highly organic soils.
CLAYEY SILTS AND CLAYS (Liquid limit GREATER than 50.)	FRESH	FRESH TO MODERATELY WEATHERED BASALT
CLAYEY SILTS AND CLAYS (Liquid limit GREATER than 50.)	MODERATELY WEATHERED	MODERATELY WEATHERED BASALT
CLAYEY SILTS AND CLAYS (Liquid limit GREATER than 50.)	COMPLETELY WEATHERED	COMPLETELY WEATHERED BASALT
CLAYEY SILTS AND CLAYS (Liquid limit GREATER than 50.)	COBBL.	COBBL.

☒ 2" O.D. Standard Split Spoon Sampler

☐ 3" O.D. Split Tube Sampler

☒ Shelby Tube

☐ 1 1/2" / 4" Coring

ROD Rock Quality Description

Water Level

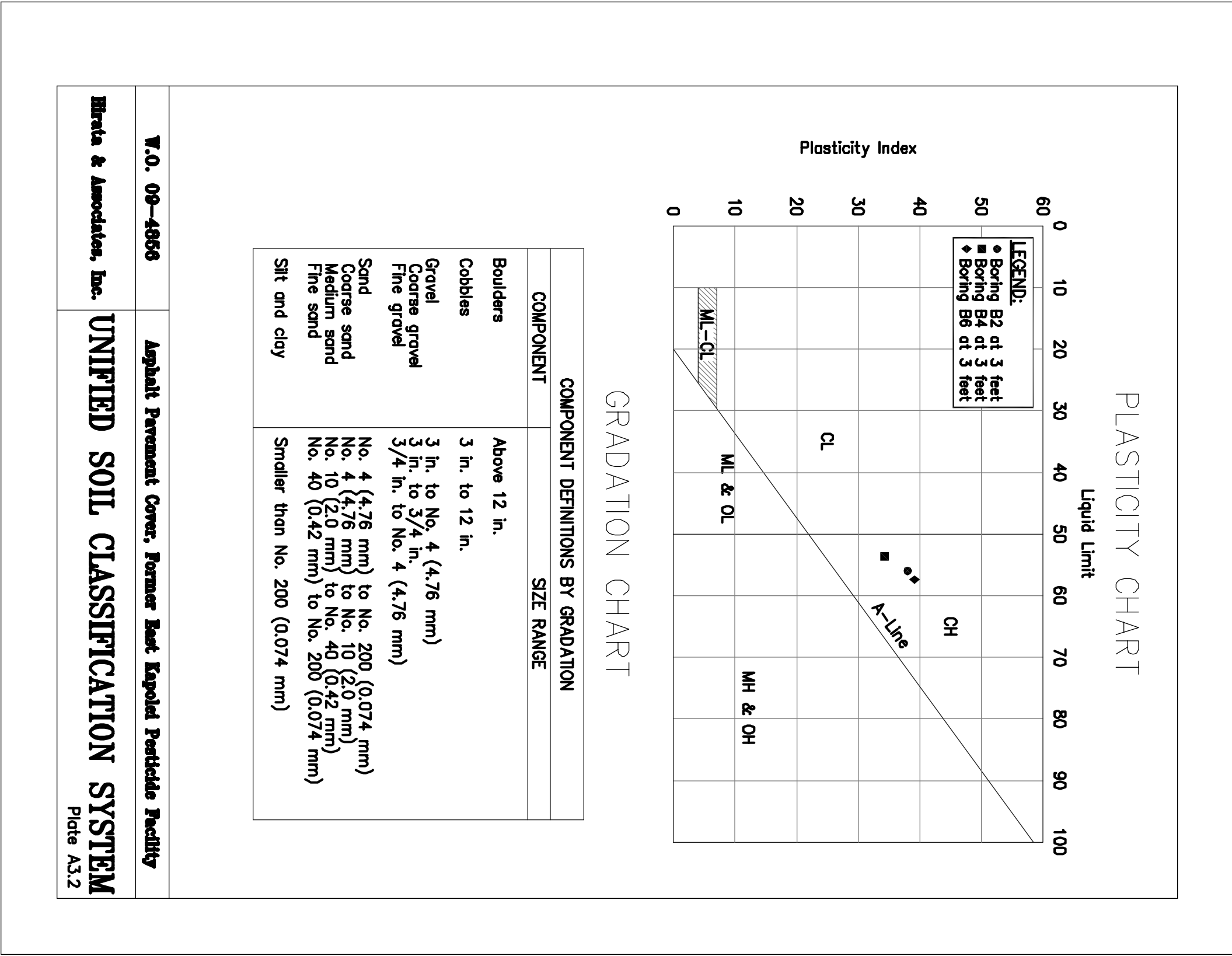
W.O. 09-4866

Asphalt Pavement Corner, Former East Kapolei Pesticide Facility

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BORING LOG LEGEND

Plate A3.1



Grade.	Symbol	Description.
Fresh	F	No visible signs of decomposition or discoloration. Rings under hammer impact.
Slightly Weathered	WS	Slight discoloration. Minerals from open fractures, otherwise similar to F.
Moderately Weathered	WM	Discoloration throughout. Weather minerals such as feldspar decomposed. Strength somewhat less than fresh rock but cores cannot be broken by hand or scraped by knife. Texture preserved.
Highly Weathered	WH	Most minerals somewhat decomposed. Specimens can be broken by hand with effort or shined with knife. Core stones present in rock mass. Texture becoming indistinct but fabric preserved.
Completely Weathered	WC	Minerals decomposed to soil but fabric and structure preserved (Saprolite). Specimens easily crumbled or penetrated.
Residual Soil	RS	Advanced state of decomposition resulting in plastic soils. Rock fabric and structure completely destroyed. Large volume change.

Reference: Soil Mechanics, NAVFAC DM-71, Department of the Navy, Naval Facilities Engineering Command, September, 1986.

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ROCK WEATHERING CLASSIFICATION SYSTEM

Plate A3.3

DEPTH FATHOMS	GRAVEL PERCENT	SAND PERCENT	BLOWS PER FOOT	DRY DENSITY (PCF)	MOIST. CONT. (%)	DESCRIPTION
0	0	0	35	Not Available	4	GRAVEL (GP) - Light brown, dry, dense, with sand and coral fragments. (Fill)
-5	0	0	70	108	22	
-10	0	0	88	112	20	
-15	0	0	97/10"	110	20	Silty CLAY (CH) - Brown, moist, stiff.
-20	0	0				
-25	0	0				
-30	0	0				End boring at 10.5 feet.
Neither groundwater nor seepage water encountered.						