

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0300(122)	2010	5	32

LEGEND

	Existing Overhead Utility Line
	Existing Power Pole
	Existing 8" Water Line
	Existing Water Manhole
	Existing Water Valve Box
	Existing Street Monument
	Existing Drain Line
	Existing Underdrain Line
	Existing Drain Manhole
	Existing Drop Intake
	Existing Catch Basin
	Existing Traffic Sign
	Existing Light Standard
	Existing Fire Hydrant
	Existing Tree
	Existing Contour, Elev.=175-ft.
	Finish Contour, Elev.=180-ft.
	Existing Grouted Rubble Paving
	New Erosion Control Mating
	New Pavement Areas

ABBREVIATIONS:

AC	Asphalt Concrete	EQUIV.	Equivalent	PRVC	Point of Reverse Vertical Curvature
ADA	Americans with Disabilities Act	ES	Edge of Shoulder	PVGC	Point of Vertical Grade Change
ADAAG	Americans with Disabilities Act Accessibility Guidelines	ESMT	Easement	RCP	Reinforced Concrete Pipe
ARV	Air Relief Valve	EVC	End Vertical Curve	R/W	Right-Of-Way
℄, B.L.	Baseline	EXIST	Existing	RT.	Right
BB	Bottom of Bank	FH	Fire Hydrant	SCF	Sediment Control Filter
BC	Bottom of Curb	FRP	Fiberglass Reinforced Plastic	S.E.	Superelevation
BPU	Backflow Prevention Unit	FT.	Foot, Feet	SHLDR.	Shoulder
BVC	Begin Vertical Curve	GA	Guy Anchor	SHT	Sheet
BW	Bottom of Wall	GALV.	Galvanized	SL	Slope
BWE	Bottom of Wall Elevation	GAP	Guy Anchor Pole	S.L.	Street Light
CATV	Cable Television	G.C.	Grade Control	SLB	Street Light Box
CB	Catch Basin	GDI	Grated Drop Inlet	SLP	Street Light Pole
C & C	City and County of Honolulu	GRD	Ground	SMH	Sewer Manhole
℄, C.L.	Centerline	GRP	Grouted Rubble Paving	SRAP	Spiral Rib Aluminum Pipe
CLF	Chain Link Fence	GUT	Gutter	STA.	Station
CMP	Corrugated Metal Pipe	HDPE	High Density Polyethylene	STD.	Standard
CNR	Corner	HDWL	Headwall	S/W	Sidewalk
CO	Cleanout	HMA	Hot Mix Asphalt	SWL	Solid White Pavement Stripe
CONC	Concrete	HT	Hawaiian Telcom	SYL	Solid Yellow Pavement Stripe
CRM	Cement Rubble Masonry	HWY	Highway	TB	Top of Bank
CULV	Culvert	INV.	Invert	TC	Top of Curb
D/W	Driveway	LT.	Left	TFE	Top of Footing Elevation
DET.	Detail	Maint.	Maintenance	T & G	Tongue and Groove
D.I.	Ductile Iron	M.B.	Mail Box	TW	Top of Wall
D.L.	Drain Line	N.T.S.	Not To Scale	TWE	Top of Wall Elevation
DMH	Drain Manhole	O/S	Offset	V.C.	Vertical Curve
DSYL	Double Solid Yellow Pavement Stripe	PAVT	Pavement	W.L.	Water Line
DWL	Dashed White Pavement Stripe	PIVC	Point of Intersection on Vertical Curve	WM	Water Meter
ECM	Erosion Control Matting	POC	Point on Curve	WMH	Water Manhole
EP	Edge of Pavement			WWF	Welded Wire Fabric
EQN.	Equation			WV	Water Valve

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	DESIGNED BY	
	QUANTITIES BY	
NOTE BOOK		
	No.	



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

*Russell M. Arakaki* APRIL 30, 2012  
PoreEn, Inc. LIC. EXP. DATE  
dba PARK ENGINEERING

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

LEGEND & ABBREVIATIONS

CASTLE HILLS ACCESS ROAD  
Drainage Improvements, Phase 1  
FEDERAL-AID PROJECT NO. STP-0300(122)

Scale: As Shown      Date: December 2010

SHEET No. 1 OF 1 SHEETS