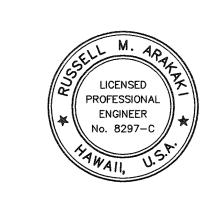
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0300(122)	2010	5	32

LEGEN	<u>D</u>
-o/h u-	Existing Overhead Utility Line
0 pp	Existing Power Pole
<i>— w−8 —</i>	Existing 8" Water Line
() wmh	Existing Water Manhole
O wu	Existing Water Valve Box
0	Existing Street Monument
d	Existing Drain Line
ud	Existing Underdrain Line
\bigcirc dmh	Existing Drain Manhole
di	Existing Drop Intake
o_d	Existing Catch Basin
þ	Existing Traffic Sign
lt std	Existing Light Standard
	Existing Fire Hydrant
	Existing Tree
175	Existing Contour, Elev.=175-ft.
180	Finish Contour, Elev.=180-ft.
	Existing Grouted Rubble Paving
	New Erosion Control Mating
	New Pavement Areas

<u>ABBRE</u>	VIATIONS:
AC	Asphalt Concr
ADA	Americans win
ADAAG	Americans win
ARV	Air Relief Val
₿, B.L.	Baseline
BB .	Bottom of Bai
BC	Bottom of Cui
BPU	Backflow Pre
<i>BVC</i>	Begin Vertical
BW	Bottom of Wal
BWE	Bottom of Wal
CATV	Cable Televisi
CB	Catch Basin
C	City and Coun
₡, С.L.	Centerline
CLF	Chain Link Fe
CMP	Corrugated Me
CNR	Corner
CO	Cleanout
CONC	Concrete
CRM	Cement Rubble
CULV	Culvert
D/W	Driveway
DET.	Detail
<i>D.I.</i>	Ductile Iron
D.L.	Drain Line
DMH	Drain Manhole
DSYL	Double Solid
DWL	Dashed White

AC	Asphalt Concrete	EQUIV.	Equivalent	PRVC	Point of Reverse Vertical Curvatur
ADA	Americans with Disabilities Act	ES	Edge of Shoulder	<i>PVGC</i>	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	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	0/5	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



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

ParEn, Inc.

dba PARK ENGINEERING

APRIL 30, 2012

LIC. EXP. DATE

STATE OF HAWAI'I 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 OF 1 SHEETS

SHEET No.