

\\C:\cd\ys04\2001\10071-H-2 RETROFIT\05-17-04\H2-S04.dwg, 5/17/2004 11:40:15 AM, KSFnc.pc3, 1:1

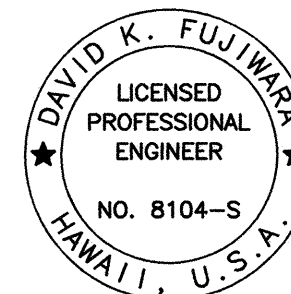
ORIGINAL PLAN	No.	SURVEY PLOTTED BY	DATE
		DRAWN BY	
		DESIGNED BY	
		CHECKED BY	
NOTE BOOK			

FILE: H2-S-3.DWG
PLOT: 1 = 1

SYMBOLS AND ABBREVIATIONS

&	And	Det.	Detail	Ht.	Height	Perf.	Perforated	Tan.	Tangent
@	At	Dia.	Diameter	(H)	Hinge	PL	Plate	Temp.	Temporary
∅	Diameter	Dim.	Dimension	Horiz., H	Horizontal	PCC	Portland Cement Concrete	Thk.	Thick
≥	Greater Than or Equal to	Dist.	Distance	HS	High strength	PC	Point of Curvature	T	Top
≤	Less Than or Equal to	DO	Ditto	HECO	Hawaiian Electric Company	PCF	Pounds per Cubic Foot	T&B	Top and Bottom
#	Number	Dwls.	Dowels			PSF	Pounds per Square Foot	TOD	Top of Deck
		Dn.	Down			PSI	Pounds per Square Inch	TFE	Top of Footing Elevation
		Dbl.	Double	IB	Inbound	PLF	Pounds per Linear Foot	Tot.	Total
AASHTO	American Association of State Highway and Transportation Officials	DI	Drain Inlet, Ductile Iron	In.	Inch	PI	Point of Intersection of Tangents	Transv.	Transverse
Abut.	Abutment	Dwg., Dwgs.	Drawing, Drawings	ID	Inside Diameter			TS	Structural Tubing
Abbr.	Abbreviation	DS	Drilled Shaft	IF	Inside Face	P/VC	Point of Intersection of Vertical Curve	Typ.	Typical
Add.	Additional	EA, Ea., ea.	Each	Int.	Interior	PT	Point of Tangency	Undergrd.	Underground
Alt.	Alternate	EF	Each Face	Inv.	Invert	Pt., Pts.	Point, Points		
AB	Anchor Bolt	EFH	Each Face Horizontal			PRC	Point of Reverse Curvature		
AC	Asphaltic Concrete	EFV	Each Face Vertical			PVC	Polyvinyl Chloride	Var.	Varies
Approx.	Approximate	EW	Each Way	Jt.	Joint	Prestr.	Prestressed	Vert., V	Vertical
AWS	American Welding Society	EP	Edge of Pavement			P/S	Prestressed Strands	VC	Vertical Curve
Az.	Azimuth	EPS	Expanded Polystyrene			PB	Pull Box		
		E	East	K	Kips			W/C	Water/Cement Ratio
Bk.	Back	Elec.	Electrical	KF	Kip Foot	Rad., R	Radius	w/	With
Bal.	Balance	EMH	Electrical Manhole	KSF	Kips Per Square Foot	RF	Rear Face	W	West
B	Baseline	El., Elev.	Elevation	KSI	Kips Per Square Inch	Rebar	Reinforcing Bar	WWF	Welded Wire Fabric
Bm.	Beam	Emb.	Embankment	KLF	Kips Per Linear Foot	Ref.	Reference	WW	Wingwall
Brg., Brgs.	Bearing, Bearings	EVC	End of Vertical Curve			Reinf.	Reinforced, Reinforcing, Reinforcement	WP	Work Point, Working Point
BVC	Beginning of Vertical Curve	Eq.	Equal	L	Length	Req'd.	Required	WS	Water Surface
Bet.	Between	Est.	Estimated	lb., lbs., LBS.	Pound, Pounds	Ret.	Retaining		
BF	Both Faces	Exc.	Excavation	Ltg. Std.	Lighting Standard	ROW	Right of Way	Yr.	Year
BW	Both Ways	Excl.	Excluding	LF	Linear Feet/Foot				
BFE	Bottom of Footing Elevation	Exist., Ex.	Existing	Lin. Ft.	Linear Feet/Foot				
Bot., Bott., B	Bottom	Exp., (E)	Expansion	LS	Lump Sum	Rdwy.	Roadway		
Br.	Bridge	EJ	Expansion Joint	Longit.	Longitudinal				
Blt.	Bolt	Ext.	Exterior			Sect.	Section		
		FF	Far Face, Front Face	M	Modified	Sht.	Sheet		
		F'c	Specified Strength of Concrete	MH	Manhole	Sl.	Slope		
				Max.	Maximum	S	South		
Cant.	Cantilever	F'ci	Strength of Concrete at Time of Initial Prestress	Mech.	Mechanical	Spc., Spg.	Spaces, Spacing		
CIP	Cast Iron Pipe			Min.	Minimum	Sprd.	Spread		
CL	Center line	Ft.	Feet, Foot	Misc.	Miscellaneous	Spec.	Specification		
CG	Center of Gravity	Fig.	Figure	MPH	Miles Per Hour	SF	Square Feet		
cc	Center to Center	Fin. Gr.	Finish Grade			SY	Square Yard		
Cl.	Class	(F)	Flxed	NF	Near Face	SS	Stainless Steel		
Clr.	Clearance	FB	Flat Bar	N	North	Std.	Standard		
Col.	Column	Ftg.	Footing	NIC	Not in Contract	Sta.	Station		
Conc.	Concrete	FA	Force account	No.	Number	Stiff.	Stiffener		
Conn.	Connection	FL	Full Load	NTS	Not to Scale	Stirr.	Stirrup		
Const.	Construction					Str.	Straight		
CJ	Construction Joint	Ga.	Gage, Gauge			Struct.	Structure		
Cntl. Jt.	Control Joint	Galv.	Galvanized	O/S	Offset	SE	Super Elevation		
CLSM	Controlled Low Strength Material	G, Gir.	Girder	oc	On Center	Symm.	Symmetrical		
		GFRP	Glass Fiber Reinforced Polymer	Opn'g	Opening				
Cont.	Continuous	Gr.	Grade	OB	Outbound				
CF	Cubic Feet	Grd.	Ground	OD	Outside Diameter				
CY, Cu. Yd.	Cubic Yard	GRP	Ground Rubble Paving	OG	Outside Girder, Outbound Girder				
		GRSP	Grouted Rubble Slope Paving						

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-H2-1(32)	2004	19	32



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE: *David K. Fujiwara* 4-30-06
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SYMBOLS AND ABBREVIATIONS

INTERSTATE ROUTE H-2 SEISMIC RETROFIT
MEHEULA PARKWAY
AND PINEAPPLE ROAD BRIDGES
PROJ. NO. BR-H2-1(32)

SCALE: NONE DATE: DECEMBER 2003

SHEET No. S0.4 OF 18 SHEETS