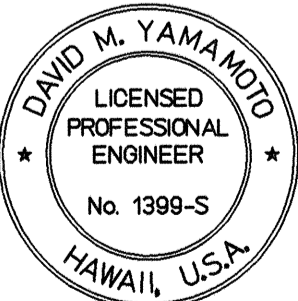


LIST OF ABBREVIATIONS AND SYMBOLS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BR-19-2(45)	1999	3	20

CL	Centerline	Horiz	Horizontal
Ø	Diameter	HDPE	High Density Polyethylene
(E)	Existing	I.D.	Inside Diameter
(N)	New	lbs	Pounds
A.C.	At	Lg	Long
Abut.	Asphaltic Concrete	Min	Minimum
Approx.	Approximate	O.H.	Opposite Hand
AZ.	Azimuth	oc	On Center
Beg.	Beginning	Pav't, Pavm't	Pavement
BOT	Bottom	PL	Plate
C.P.	Complete Penetration	psi	Pounds Per Square Inch
clr	Clear	PVC	Polyvinyl Chloride
conc	Concrete	Reinf	Reinforcing
cont.	Continuous	Sht	Sheet
Cy	Cubic yard	Sim.	Similar
Det.	Detail	SP	Space
Dia	Diameter	Specs	Specifications
Ea	Each	Sta.	Station
El, Elev	Elevation	Stiff.	Stiffener
Emb	Embedment	Stl.	Steel
EQ	Equal	struct.	Structural
EW	Each Way	Sy	Square Yard
EXC.	Excavation	T & B	Top and Bottom
Exist.	Existing	Thk	Thick
F.P.	Full Penetration	TOT	Total
f'c	Specified Compressive Strength of Concrete	TS	Tubular Steel
Ft.	Feet	Typ.	Typical
fy, Fy	Specified Minimum Yield Stress of Steel	Vert.	Vertical
gr.	Grade	w/	With
GRP	Grouted Rubble Pavement	WF, wf	Wide Flange

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



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION

David M. Yamamoto
SATO & ASSOCIATES, INC.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LIST OF ABBREVIATIONS AND SYMBOLS

HAWAII BELT ROAD, SEISMIC RETROFIT OF VARIOUS BRIDGES,
VICINITY OF OOKALA
FEDERAL AID PROJECT NO. BR-19-2(45)

DATE: AUGUST 1998

SHEET No. 1 OF 1 SHEETS