

LEGEND

	Cold Planing and Resurfacing Limits		Adjust Water Meter
	Pavement Reconstruction Areas		New Water Meter
	Leveling Concrete Areas		Existing Fire Hydrant
	Transition Areas		New Fire Hydrant
	Grass/Mulch Areas		Existing Sewer Line
	Gravel Blanket		New 12" Sewer Line
	Existing Electrical Line		Existing Sewer Manhole
	New Electrical Line		Adjust Sewer MH Frame and Cover
	Existing Joint Pole		New Sewer Manhole
	Existing Power Pole		Existing 6" Gas Line
	Existing Guy Pole		New 6" Gas Line
	Existing Light Pole		Existing Gas Valve Box
	Existing Electrical Manhole		Adjust Gas Valve Box
	Existing Street Light Box		New Gas Valve Box
	Existing Traffic Signal Box		Existing Gas Manhole
	Adjust Elec. MH Frame and Cover		Adjust Gas MH Frame and Cover
	New Electrical Manhole		New Gas Manhole
	Existing Traffic Light		Existing Monument
	Existing Telephone Line		Adjust Monument
	New Telephone Line		New Monument
	Existing Telephone Pole		Existing 24" Drain Line
	Existing Telephone Manhole		New 24" Drain Line
	Adjust Tele. MH Frame and Cover		Existing Storm Drain Manhole
	New Telephone Manhole		Adjust Storm Drain MH Frame and Cover
	Existing Signal Corps Line		New Storm Drain Manhole
	New Signal Corps Line		Existing Grated Drop Inlet
	Existing TV Cable		Existing Catch Basin
	New TV Cable		Existing Traffic Sign
	Existing 12" Water Line		Existing Highway Lighting Standard
	New 12" Water Line		Existing Utility Box
	Existing Water Manhole		Adjust Utility Box
	Adjust Water MH Frame and Cover		Existing Guardrail
	New Water Manhole		New Guardrail
	Existing Water Air Valve		Existing Chain link Fence
	Adjust Water Air Valve		New Chain link Fence
	New Water Air Valve		
	Existing Water Valve Box		
	Adjust Water Valve Box		
	New Water Valve Box		
	Existing Water Meter		

ABBREVIATIONS

A.C.	Asphaltic Concrete	lbs.	Pounds	T	Tangent
approx.	approximate	L _c	Length of Curve	Temp.	Temporary
	Baseline	LIN. FT.	Linear Feet	Thk.	Thick
B.V.C.	Begin Vertical Curve	LF	Linear Feet	TMK	Tax Map Key
C	Length of Chord	Lt.	Left	Typ.	Typical
	Centerline	Max.	Maximum	VC	Vertical Curve
CB	Catch Basin	Min.	Minimum	ø	Diameter
Clr.	Clearance	NB	North Bound	Δ	Delta
C.O.	Cleanout	NO.	Number	Δ/2	Half Delta
Conc.	Concrete	O.C.	on center		
Conn.	Connection	O/S	Offset		
C.Y.	Cubic Yards	Pavt.	Pavement		
D6	6" Drainline	PC	Point of Curvature		
D24	24" Drainline	PCC	Portland Cement Concrete		
D36	36" Drainline	P.I.V.C.	Point of Intersection Vertical Curve		
Dim.	Dimension		Property Line		
Det.	Details	PT	Point of Tangent		
DI	Drain Inlet	R	Radius		
Dia.	Diameter	R/W	Right-of-Way		
DL	Drainline	RC	Reinforced Concrete		
DMH	Storm Drain Manhole	RCP	Reinforced Concrete Pipe		
Dwgs.	Drawings	Rd.	Road		
E/P	Edge of Pavement	Rt.	Right		
e/	existing property line	S	Slope		
E/S	Edge of Shoulder	SB	South Bound		
ex.	existing	SE	Superelevation		
exist.	existing	Shldr.	Shoulder		
E.V.C.	End Vertical Curve	Sht.	Sheet		
FT	Feet	Shts.	Sheets		
FUT.	Future	sq. ft.	square feet		
GRP	Grouted Rubble Paving	Sta.	Station		
HGL	Hydraulic Grade Line	Struct.	Structural		
Hwy.	Highway				
Inv.	Invert				

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-8930(1)	2005	5	144

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



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
DATE OF LICENSE EXPIRY: APR 30, 2006

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LEGEND AND ABBREVIATIONS

North-South Road
Phase 1A
F.A.I. Proj. No. STP-8930(1)

Date: Dec 22, 2004

SHEET No. C0.4 OF 59 SHEETS