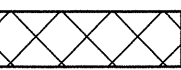
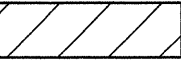
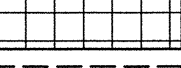
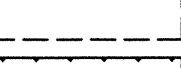
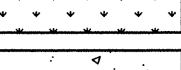
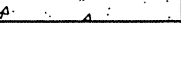
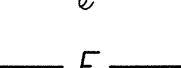
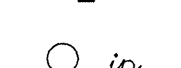
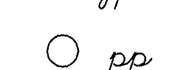
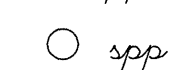
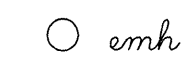


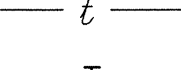

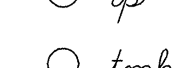

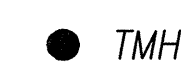
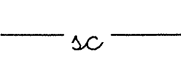
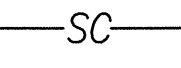
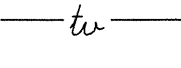
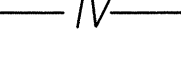
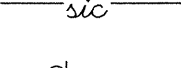
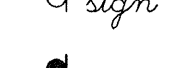


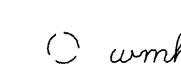


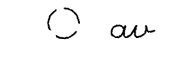

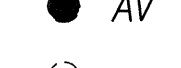
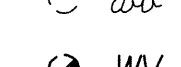


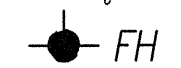
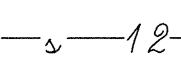
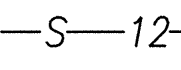
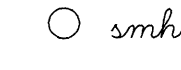








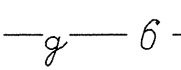
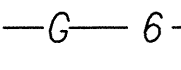



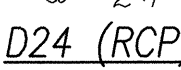
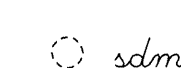


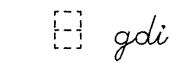

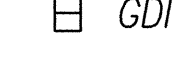
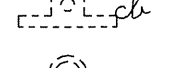

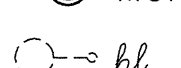
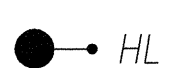
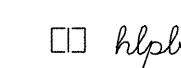


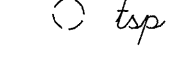

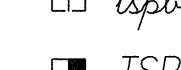

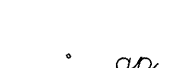
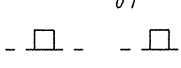
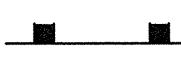
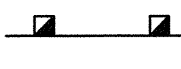

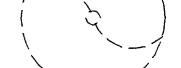

FED.ROAD DIST.NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
OAHU	HAW.	HWY-0-01-13	2016	3	47

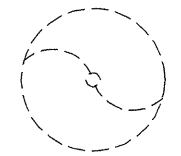
ABBREVIATIONS

A.C. - Asphalt Concrete  
Elec. - Electric or Electrical  
MH - Manhole  
Min. - Minimum  
Max. - Maximum  
Shldr. - Shoulder  
Pav't. - Pavement  
Exist./EX - Existing  
Rd. - Road  
B - Baseline  
Sta. - Station  
Std. - Standard  
Sht. - Sheet  
E.P. - Edge Pavement  
E.S. - Edge Shoulder  
R/W - Right-of-Way  
Typ. - Typical  
RPM/rpm - Raised Pavement Marker  
Rt. - Right  
Lt. - Left  
RCP - Reinforced Concrete Pipe  
LF - Linear Feet  
Exc. - Excavation  
CY - Cubic Yards  
C - Centerline  
Approx. - Approximately  
w/ - with  
o/s - Offset  
Inv. - Invert  
Conc. - Concrete  
C.L. - Chan Link  
R - Radius  
T - Tangent  
L<sub>C</sub> - Length of Curve  
C - Chord (Curve Data)  
M.L. - Match Line  
P.C. - Point of Curvature  
P.T. - Point of Tangency  
BVC - Begin Vertical Curve  
EVC - End Vertical Curve  
VC - Vertical Curve  
PI - Pont of Intersection  
S - Slope  
FG - Finish Grade  
EG - Existing Grade  
SF - Square Feet  
EMB - Embankment  
C - Cut (Cross Sections)  
F - Fill  
SFM - Sewer Force Main  
TC - Top Curb  
BC - Bottom Curb  
Trans. - Transition

LEGEND

 A.C. Pavement Reconstruction Area  
 A.C. Pavement Reconstruction Area  
 Cold Planing Area  
 A.C. Pavement Resurfacing Area  
 A.C. Pavement Demolition, Backfill and Grass  
 Portland Cement Concrete (P.C.C.) Pavement Area  
 Existing Electrical Line  
 New Electrical Line  
 Existing Joint Pole  
 Existing Power Pole  
 Existing Steel Power Pole  
 Existing Electric Manhole  
 Adjusted Electric Manhole Frame/Cover  
 New Electric Manhole  
 Existing Telephone Line  
 New Telephone Line  
 Existing Telephone Pole  
 Existing Telephone Manhole  
 Adjusted Telephone Manhole Frame/Cover  
 New Telephone Manhole  
 Existing Signal Corps Line  
 New Signal Corps Line  
 Existing TV Cable Line  
 New TV Cable Line  
 Existing Sandwich Isles Comm. Line  
 Existing Traffic Sign  
 New Traffic Sign  
 Existing Water Line  
 New Water Line  
 Existing Water Manhole  
 Adjusted Water Manhole Frame/Cover  
 New Water Manhole  
 Existing Water Air Valve  
 Adjusted Water Air Valve  
 New Water Air Valve  
 Existing Water Vavle Box  
 Adjusted Water Valve Box  
 New Water Valve Box  
 Existing Fire Hydrant  
 New Fire Hydrant  
 Existing Sewer Line  
 New Sewer Line  
 Existing Sewer Manhole  
 Adjusted Sewer Manhole Frame/Cover  
 New Sewer Manhole

 Existing Gas Line  
 New Gas Line  
 Existing Gas Valve Box  
 Adjusted Gas Valve Box  
 New Gas Valve Box  
 Existing Drain Line  
 New RCP Drain Line  
 Existing Storm Drain Manhole  
 Adjusted Storm Drain Manhole Frame/Cover  
 New Storm Drain Manhole  
 Existing Grated Drop Inlet  
 Adjusted Grated Drop Inlet and/or Replace Existng Grate  
 New Grated Drop Inlet  
 Existing Catch Basin  
 Existing Monument  
 Adjusted or Reconstructed Monument  
 Existing Highway Lighting Standard  
 New Highway Lighting Standard  
 Existing Highway Lighting Pull Box  
 Adjusted Highway Lighting Pull Box  
 New Highway Lighting Pull Box  
 Existing Traffic Signal Pole  
 New Traffic Signal Pole  
 Existing Traffic Signal Pull Box  
 Adjusted Traffic Signal Pull Box  
 New Traffic Signal Pull Box  
 Existing Gate Post  
 Existng Metal Guardrail  
 New Metal Guardrail  
 Adjusted and/or Relocated Metal Guardrail

 Existing Tree

$\frac{tc=260.52 \text{ ex}}{bc=260.02 \text{ ex}}$  Existing Elevation at Top and Bottom Curb  
 $\frac{82.75 \text{ ex}}{\text{ex}}$  Existing Ground Elevation  
 $\frac{TC=74.59}{BC=74.09}$  Finish Elevation at Top and Bottom Curb  
 $\frac{76.28}{\text{ex}}$  Finish Grade Elevation

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

C:\Users\PLM\Documents\Projects\2008-028 Traffic Operational Improvements\Plans\AutoCAD Files\Construction Plans\02a RCP-Puuhala 300L NOTES (No Title)dwg Mon, Oct 26 2015 - 11:17am

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

ABBREVIATIONS & LEGEND

Traffic Operational Improvements  
at Various Locations  
Project No. HWY-0-01-13

Scale: As Noted Date: Oct 2015

SHEET No. 1 OF 8 SHEETS