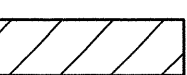
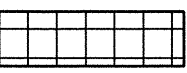
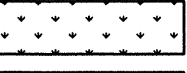
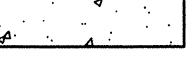



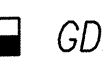
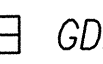
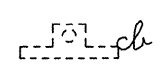
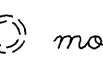
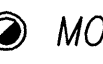
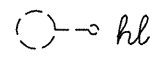
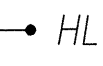
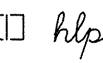


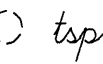
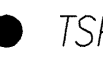
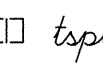



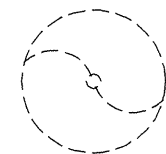
FED.ROAD DIST.NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
OAHU	HAW.	99C-01-13	2014	3	41

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_C - 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
X.XX - Finish Grade
EG - Existing Grade
X.XX ex - 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
 Cold Planing Area
 A.C. Pavement Demolition, Backfill and Grass
 Portland Cement Concrete (P.C.C.) Pavement Area
— e — Existing Electrical Line
— E — New Electrical Line
○ jp Existing Joint Pole
○ pp Existing Power Pole
○ spp Existing Steel Power Pole
○ emh Existing Electric Manhole
● EMH Adjusted Electric Manhole Frame/Cover
● EMH New Electric Manhole
— t — Existing Telephone Line
— T — New Telephone Line
○ tp Existing Telephone Pole
○ tmh Existing Telephone Manhole
● TMH Adjusted Telephone Manhole Frame/Cover
● TMH New Telephone Manhole
— sc — Existing Signal Corps Line
— SC — New Signal Corps Line
— tv — Existing TV Cable Line
— TV — New TV Cable Line
— sic — Existing Sandwich Isles Comm. Line
d sign Existing Traffic Sign
● New Traffic Sign
--w--12- Existing Water Line
--W--12- New Water Line
○ wmh Existing Water Manhole
● WMH Adjusted Water Manhole Frame/Cover
● WMH New Water Manhole
○ av Existing Water Air Valve
● AV Adjusted Water Air Valve
● AV New Water Air Valve
○ ww Existing Water Vavle Box
● WV Adjusted Water Valve Box
● WV New Water Valve Box
-b- fh Existing Fire Hydrant
-b- FH New Fire Hydrant
— s —12- Existing Sewer Line
— S —12- New Sewer Line
○ smh Existing Sewer Manhole
● SMH Adjusted Sewer Manhole Frame/Cover
● SMH New Sewer Manhole

— g — 6 — Existing Gas Line
— G — 6 — New Gas Line
○ gmh Existing Gas Valve Box
● GMH Adjusted Gas Valve Box
● GMH New Gas Valve Box
---d---24--- Existing Drain Line
D24 (RCP) New RCP Drain Line
○ sdmh Existing Storm Drain Manhole
● SDMH Adjusted Storm Drain Manhole Frame/Cover
● SDMH New Storm Drain Manhole
 gdi Existing Grated Drop Inlet
 GDI Adjusted Grated Drop Inlet and/or Replace Existng Grate
 GDI New Grated Drop Inlet
 Existing Catch Basin
 mon. Existing Monument
 MON. Adjusted or Reconstructed Monument
 hl Existing Highway Lighting Standard
 HL New Highway Lighting Standard
 hlpb Existing Highway Lighting Pull Box
 HLPB Adjusted Highway Lighting Pull Box
 HLPB New Highway Lighting Pull Box
○ tsp Existing Traffic Signal Pole
● TSP New Traffic Signal Pole
 tspl Existing Traffic Signal Pull Box
 TSPB Adjusted Traffic Signal Pull Box
 TSPB New Traffic Signal Pull Box
gp Existing Gate Post
 Existing Metal Guardrail
 New Metal Guardrail
 Adjusted and/or Relocated Metal Guardrail
 Existing Tree

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

C:\Documents and Settings\Peter My Documents\Projects\2009-009-009 Traffic Operational Improvements\Plans\MultiCAD Files\Construction P103-13 NOTES.rvtg Wed, Jan 08 2014 - 12:11pm

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ABBREVIATIONS & LEGEND

TRAFFIC OPERATIONAL IMPROVEMENTS
AT VARIOUS LOCATIONS
Vicinity of Kamehameha Highway and
Lumiaina Street
Project No. 99C-01-13

Scale: As Noted Date: Jan 2014

SHEET No. 1 OF 1 SHEETS