

LEGEND:

—e—	Existing Electrical Line
—E—	New Electrical Line
°jp	Existing Joint Pole
°pp	Existing Power Pole
°mh	Existing Electric Manhole
°EMH	Adjusted Elec. MH Frame/Cover
°EMH	New Electric Manhole
—t—	Existing Telephone Line
—T—	New Telephone Line
°tp	Existing Telephone Pole
°tmh	Existing Telephone Manhole
°tpb	Existing Telephone Pullbox
°TMH	Adjusted Tele. MH Frame/Cover
°TMH	New Telephone Manhole
—sc—	Existing Signal Corps Line
—SC—	New Signal Corps Line
—tv—	Existing TV Cable
—TV—	New TV Cable
—w ₁₂ —	Existing 12" Water Line
—W ₁₂ —	New 12" Water Line
°wmh	Existing Water Manhole
°WMH	Adjusted Water MH Frame/Cover
°WMH	New Water Manhole
°av	Existing Water Air Valve
°AV	Adjusted Water Air Valve
°AV	New Water Air Valve
°wv	Existing Water Valve Box
°WV	Adjusted Water Valve Box
°WV	New Water Valve Box
□WM	Existing Water Meter
■WM	Adjusted Water Meter
■WM	New Water Meter
•fh	Existing Fire Hydrant
•FH	New Fire Hydrant
•FH	Adjusted Fire Hydrant (See Det. Sht. C29)
°SDMH	Adjusted Storm Drain MH Frame/Cover
∞ bfp	Existing Water Backflow Preventer
—s—12—	Existing Sewer Line
—S—12—	New 12" Sewer Line
°smh	Existing Sewer Manhole
°SMH	Adjusted Sewer MH Frame/Cover
°SMH	New Sewer Manhole
—g—6—	Existing 6" Gas Line
—G—6—	New 6" Gas Line
°gv	Existing Gas Valve Box
°GV	Adjusted Gas Valve Box
°GV	New Gas Valve Box
°gmh	Existing Gas Manhole
°GMH	Adjusted Gas MH Frame/Cover
°GMH	New Gas Manhole
°mon.	Existing Monument

○MON.	Adjusted Monument
○MON.	New Monument
—d ₂₄ —	Existing 24" Drain Line
—D ₂₄ —	New 24" RCP Drain Line
°sdmh	Existing Storm Drain Manhole
°SDMH	Adjusted Storm Drain MH Frame/Cover
°SDMH	New Storm Drain Manhole
□gdl	Existing Grated Drop Inlet
□cb	Existing Catch Basin
•	Existing Traffic Sign With 1 Post
•	New Traffic Sign With 1 Post
•	Existing Traffic Sign With 2 Posts
•	New Traffic Sign With 2 Posts
•	Existing Traffic Sign With 3 Posts
•	New Traffic Sign With 3 Posts
•	Existing Highway Lighting Standard
—	Existing Single Metal Guardrail
—	New Single Metal Guardrail
—	Existing Double Metal Guardrail
—	New Double Metal Guardrail
—x—	Existing Fence
—	New Fence
—	New Handrail
°sb	Existing Traffic Signal Box
□ tsp	Existing Traffic Signal Pole
□ lpb	Existing Street Lamp Pullbox

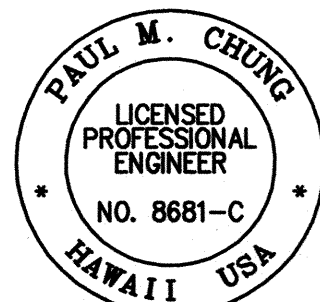
ABBREVIATION LIST:

Aband.	Abandoned
AC	Asphalt Concrete
ACB	Asphalt Concrete Base
ADA	American Disability Act
ADT	Average daily two-way traffic volume.
	The applicable year (current and future) is specified.
AH	Ahead
Approx.	Approximately
ASTM	American Society For Testing
	And Materials
ARV	Air Relief Valve
Az	Azimuth
BCC	Bottom Of Concrete Curb
B	Buffer Length
℄	Baseline
Bot	Bottom
BK	Back
BM	Benchmark
BWS	Board of Water Supply
C	Chord Length
CB	Catch Basin
℄	Center Line
CMU	Concrete Masonry Unit
C.M.P.	Corrugated Metal Pipe
CO	Cleanout
Conc.	Concrete
Cont.	Continous
CRM	Cement Rubble Masonry

D	The directional distribution of traffic during the design hour. It is the one-way volume in the predominant direction of travel expressed as a percentage of DHV.
D/Dia.	Diameter
DCP	Double Corrosion Protection
Demo	Demolition
Det.	Detail
DHV	The design-hourly volume. It is normally the estimated 30th highest hour two-way traffic volume for the design year selected.
DI	Drop Inlet/Drain Inlet
D.O.T	Department Of Transportation
DS.	Downspout
D.W.S.	Department Of Water Supply
Dwy	Driveway
EA	Each
EF	Each Face
EG	Existing Ground
EP	Edge Of Pavement
ep	Existing Edge Of Pavement
Elec.	Electric
Elev.	Elevation
ES	Edge Of Shoulder
es	Existing Shoulder
EQ.	Station Equation
exist./ext'g	Existing
FED.	Federal
FG	Finished Grade
FH	Fire Hydrant
Ft.	Foot
GA	Gauge
Galv.	Galvanized
GBC	Gravel Base Course
GRP	Grouted Rubble Pavement
Haw.	Hawaii
HMA	Hot Mix Asphalt
HORIZ.	Horizontal
HSS	Hawaii Standard Specifications
Int.	Intersection
Inv.	Invert
K	Ratio of DHV to ADT, expressed as a percent.
ksi	Kilopounds Per Square Inch
L	Length
L _c	Length Of Curve
LF	Linear Feet
Lt.	Left
Max	Maximum
MH	Manhole
Min.	Minimum
M.L.	Matchline
MON.	Monument
M.P.H	Miles Per Hour
No.	Number
N.T.S.	Not To Scale
O.C.	On Center
O/S	Offset

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-072-K(53)	2015	6	117

PC	Point Of Curvature
PCC	Point Of Compound Curve
PI	Point Of Intersection
psi	Pounds Per Square Inch
PT	Point Of Tangency
PVC	Polyvinyl Chloride
PVI	Point Of Vertical Intersection
R	Radius
RCP	Reinforced Concrete Pipe
Rein.	Reinforcement
Ret.	Retaining
ROW or r/w	Right Of Way
RPM	Raised Pavement Marker
Rt.	Right
SDMH	Storm Drain Manhole
SDOT	State Department Of Transportation
Sht.	Sheet
Sim	Similar
S	Slope
SMH	Sewer Manhole
SQ.	Square
ST.	Street
Sta.	Station
Std.	Standard
T.M.K.	Tax Map Key
Tel	Telephone
T	The proportion of trucks, exclusive of light delivery trucks, expressed as a percentage of DHA./ Taper Length
Tan.	Tangent
TF/TOF	Top Of Footing
Thk	Thickness
TRV	Traverse
T ₂₄	Percent Trucks
TV	Television
TW	Top Of Wall
Typ.	Typical
V	The design speed in miles per hour.
VC	Vertical Curve Length
VERT.	Vertical
VIF	Verify In Field
W	Width
WM	Water Meter
WMH	Water Manhole
WV	Water Valve
W/	With
W/O	Without



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

SIGNATURE: [Signature] EXPIRATION DATE OF THE LICENSE: 04/30/16

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LEGEND AND ABBREVIATIONS

KALANTANAOLE HIGHWAY IMPROVEMENTS, PHASE 1
Olomana Golf Course To Vicinity of Poalima St.
Federal Aid Project No. NH-072-K(53)

Scale: AS NOTED Date: Feb., 2015

SHEET No. C06 OF 71 SHEETS