

ORIGINAL PLAN

NOTE BOOK

No. \_\_\_\_\_

SURVEY PLOTTED BY \_\_\_\_\_

DATE \_\_\_\_\_

DESIGNED BY \_\_\_\_\_

QUANTITIES BY \_\_\_\_\_

CHECKED BY \_\_\_\_\_

Δ	Delta
⌘	And
@	At
A.C. OR A/C	Asphalt Concrete
ADJ.	Adjust
ARV	Air Relief Valve
ASSY.	Assembly
AZ	Azimuth
Ⓕ	Baseline
BC	Bottom Curb
BCT	Breakaway Cable Terminal
BEG	Begin
BLDG.	Building
BLK.	Block
BOTT	Bottom
BVC	Begin Vertical Curve
CATV	Cable Television
C.B.	Catch Basin
C.C.P.	Concrete Cylinder Pipe
CH	Chord length
Ⓒ	Centerline
C.I.	Cast Iron
CL	Class
C.L.	Chain Link
CLR.	Clear
CLVRT.	Culvert
CMP	Corrugated Metal Pipe
CMU	Concrete Masonry Unit
CONC	Concrete
CONT	Continuation or Continuous
CRM	Concrete Rubble Masonry
COL.	Column
C.O.	Clean Out
Ø, D	Diameter
DBL.	Double
DET.	Detail
DI	Ductile Iron
D.I.	Drain Inlet
D/L	Drain Line
DMH	Drain Manhole
DWY. OR D/W	Driveway
EA	Each
EHH	Electric Handhole
ELEC.	Electric
ELEV. OR EL	Elevation
EQ	Equal
EXIST.	Existing
EP	Edge of Pavement
	or Electric Pole
EVC	End Vertical Curve

F⌘C	Frame ⌘ Cover
FH	Fire Hydrant
FIN	Finished
FL	Flow Line
FT	Feet
GA	Guy Anchor
G.C.	Grade Control Line
G.D.I.	Grated Drop Inlet
G.I.	Galvanized Iron
GRD.	Grade
GRP	Grouted Rubble Paving
G.V.	Gate Valve
HT/HTCO	Hawaiian Telephone Co.
HT.	Height
HB	Hose Bibb
HGL	Hydraulic Grade Line
HORIZ	Horizontal
HP	High Point
INTER.	Intersection
INV	Invert Elevation
LAT.	Lateral
LC	Length of Curve
LEN	Length
LF	Lineal Feet
LP	Light Pole
LP	Low Point
LT	Left
MAX	Maximum
MB	Mailbox
MH	Manhole
MECO	Maui Electric Co.
MON	Monument
NO.	Number
NP	Non Potable
O.C.	On Center
O.D.	Outside Diameter
O/S	Offset
PAV'T	Pavement
PC	Point of Curvature
PCC	Point of Compound Curve
PED	Pedestrian
PI	Point of Intersection
PIVC	Point of Intersection on Vertical Curve
PL	Place

ℙ	Property Line
PP	Power pole
PT	Point of Tangency
PVC	Polyvinyl Chloride
R	Radius
R.C.	Reinforced Concrete
RCP	Reinforced Concrete Pipe
RD.	Road
REFL.	Reflector
REINF.	Reinforced or Reinforcement
RP	Radius Point
RPM	Reflective Pavement Marker
RT	Right
R.O.W. OR R/W	Right-Of-Way
RSKV	Resilient Seated Gate Valve
S	Slope
SDMH	Storm Drain Manhole
Se	Super Elevation
SF	Square Foot
SHT	Sheet
SPR.	Sprinkler
ST.	Street
STA	Station
STD	Standard
STRUCT	Structure
SVC.	Service
S/W	Sidewalk
T	Tangent
TBOX	Telephone Box
TC	Top Curb
TEL	Telephone
TEMP	Temporary
THH	Telephone Handhole
THK	Thick
TM	Transmission main
TRAV	Traverse
TRM	Turf Reinforcement Mat
TYP	Typical
VB	Valve box
VC	Vertical curve
VCP	Vitrified Clay Pipe
VERT	Vertical
VPI	Vertical Point of Intersection
W	Wide
W/	With
W/L OR WL	Water Line
WM	Water Meter
WV	Water Valve

—e—	Existing Electrical Line
∘pp	Existing Power Pole
∘abandon pp	Abandoned Power Pole
∘up	Existing Utility Pole
→gw	Existing Guide Wire
▢ebx	Existing Electric Box
▢tebx	Existing Telephone Box
▢tvbx	Existing TV Cable Box
—W12—	Existing 12" Waterline
—TW8—	Existing Temporary 8" Waterline
°gv	Existing Gate Valve
•wv	Existing Water Valve Box
▢ivc	Existing Irrigation Control Valve Box
*spr	Existing Sprinkler Head
⊕fh	Existing Fire Hydrant
—S10—	Existing 10" Sewerline
—TS10—	Existing Temporary 10" Sewerline
⊙smh	Existing Sewer Manhole
⊙mon.	Existing Monument
—D24—	Existing 24" Drain Line
===D24===	New 24" Drain Line
—D24—	Future 24" Drain Line
▣gdi	Existing Grated Drop Inlet
▢GDI	New Grated Drop Inlet
▣GDI	Future Grated Drop Inlet
⊙dmh	Existing Storm Drain Manhole
⊙DMH	New Storm Drain Manhole
⊙WQ	New Water Quality Unit
→	Drainage Flow Arrow
Ⓟsign	Existing Traffic Sign
Ⓟsign	New Traffic Sign
↘gate	Existing Gate Posts
— — —	Existing Hogwire Fence
▨	New Pavement



THIS WORK WAS PREPARED BY  
ME, OR UNDER MY SUPERVISION.  
*Zey Tong*  
APRIL 30, 2020  
LIC. EXP. DATE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**LEGEND AND ABBREVIATIONS**

*Piilani Highway Improvements  
Vicinity of Kulanihako'i Street  
Project No. 31A-02-17*

Scale: As Shown      Date: Mar 2018

SHEET No. C-9 OF 24 SHEETS