

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	31A-02-17	2018	15	29

PIILANI HIGHWAY (STATE)

TRUE NORTH
SCALE : 1" = 5'

TC 39.15
BC 38.65

FG 38.77±
38.80±

Match Exist. AC Pavement.
Provide Smooth Riding Connection

Sta. 613+75.3
O/S 54.5' RT.

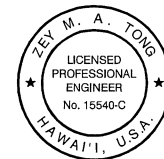
New A.C. Pavement

FG 38.61

Sta. 613+70.5 Piilani Hwy.
O/S 49.0' RT. To Curb Face

Sta. 613+25.1 Piilani Hwy.
O/S 95.3' RT. To Curb Face

Δ ₂	80°21'7"
R	50.50'
Lc	70.95'



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.

Zey Tong
APRIL 30, 2020
LIC. EXP. DATE

6/04/18	Revised Sidewalk Dimensions and All Elevations, Added AC Transition Areas
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION CURB RAMP PLAN <i>Piilani Highway Improvements</i> <i>Vicinity of Kulanihakoī Street</i> <i>Project No. 31A-02-17</i> Scale: As Shown Date: Mar 2018	
SHEET No. C-14 OF 24 SHEETS	

CURB RAMP 2
Scale : 1" = 5'

TC 37.40
BC 36.90

TC 36.71±
BC 36.31±

37.31±
36.83±

Sta. 1+09.0 Kulanihakoī Rd.
O/S 25.9' LT. To Curb Face

TC 37.85±
BC 37.41±

37.90±
37.84±

Sta. 612+68.8 Piilani Hwy.
O/S 78.6' RT. To Curb Face

TC 38.09
BC 37.59

TC 38.27
BC 37.77

TC 38.37
BC 37.87

TC 38.47
BC 37.97

38.23±

38.52

38.18±

TC 38.39
BC 37.89

Sta. 612+27.2 Piilani Hwy.
O/S 50.7' RT. To Curb Face

FG 38.07

New A.C. Pavement
FG 38.01±

Sta. 612+21.6
O/S 54.9' RT.

38.23

38.60

38.63

38.53

38.43

38.25

37.69

37.47±

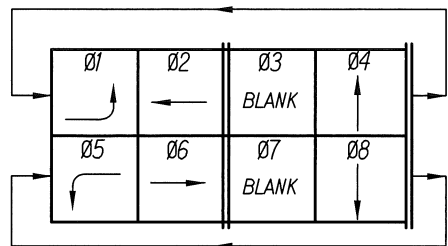
CURB RAMP 1
Scale : 1" = 5'

Δ ₁	59°15'03"
R	35.00'
Lc	36.19'

GRAPHIC SCALE:
5' 2.5' 0 5' 10'
SCALE: 1" = 5'

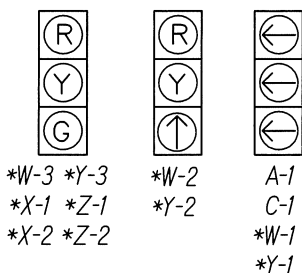
SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	31A-02-17	2018	21	29



PHASE DIAGRAM

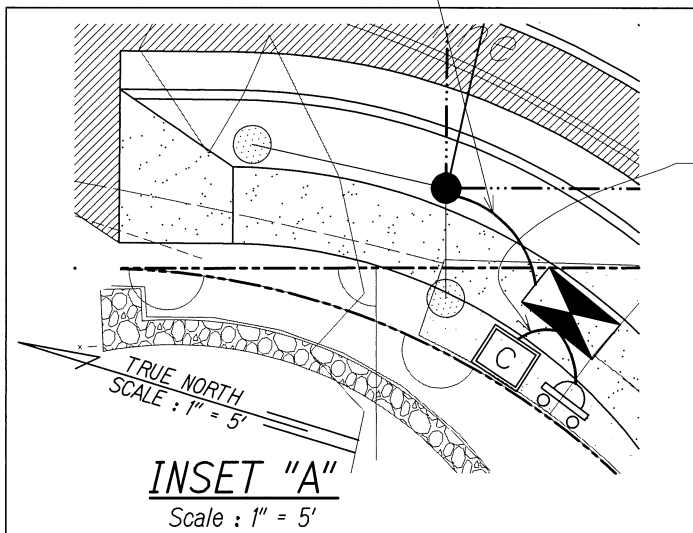
New Model 2070 Controller
New 332 Cabinet



SIGNAL INDICATIONS

*Indicates Back Plate to be
Installed on Signal Head

CONDUIT	CABLE
2" Conc.	1-26C#14
2" Conc.	1-26C#14
2" Conc.	1-26C#14
2" Conc.	1-26C#14
2" Conc.	2-Camera
2" Conc.	4-Evp Cable
2" Conc.	Spare



INSET "A"
Scale : 1" = 5'

GRAPHIC SCALE:
20' 10' 0 20' 40'
SCALE: 1" = 20'



R17-4
30"x36"

CONDUIT	CABLE
O/H	2-26C#14
O/H	1-Evp Cable

CONDUIT	CABLE
O/H	2-26C#14
O/H	1-Camera

CONDUIT	CABLE
O/H	2-26C#14
O/H	1-Camera
O/H	1-Evp Cable

CONDUIT	CABLE
2" Conc.	1-26C#14
2" Conc.	1-26C#14
2" Conc.	1-26C#14
2" Conc.	1-26C#14
2" Conc.	2-Camera
2" Conc.	4-Evp Cable
2" Conc.	1-3C#4
2" Conc.	Spare

CONDUIT	CABLE
O/H	2-26C#14
O/H	1-Camera
O/H	2-Evp Cable

TRAFFIC SIGNAL PLAN

Scale : 1" = 20'

TRUE NORTH
SCALE : 1" = 20'

LOT 1
TMK: (2) 2-2-002: 081
STATE OF HAWAII - BLNR

PIILANI HIGHWAY
(STATE)

KULANIHAKOI
STREET (COUNTY)

Notes:

1. Wood Poles Designated By "A", "B", "C", and "D".
2. Span Wire Runs Designated By "W", "X", "Y", and "Z".
3. For Guy Wire and Caisson Layout, See Sht. C-21.
4. Ongoing "Kihei High School" Project in Area. Coordinate as Required. 1

6/04/18
Added Note Referencing "Kihei High School" Project

DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC SIGNAL PLAN

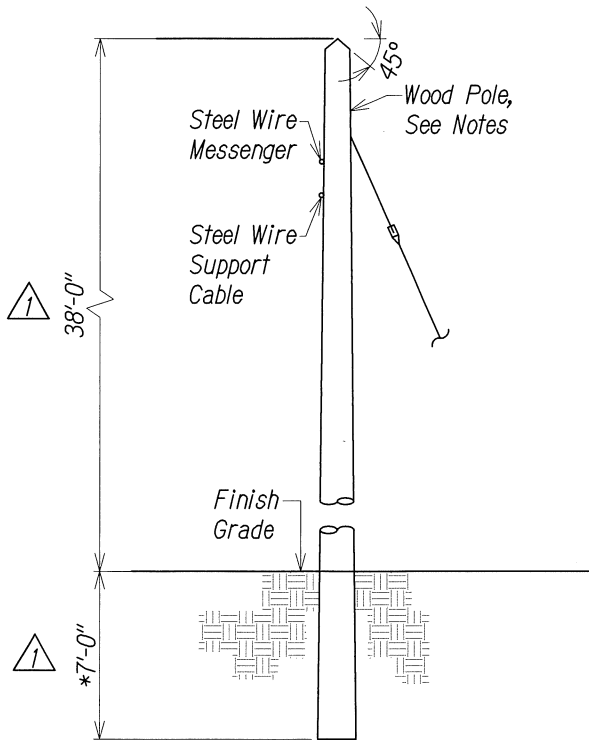
Piilani Highway Improvements
Vicinity of Kulanihakai Street
Project No. 31A-02-17

Scale: As Shown Date: Mar 2018

SHEET No. C-20 OF 24 SHEETS

ADD. 21

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	31A-02-17	2018	25	29



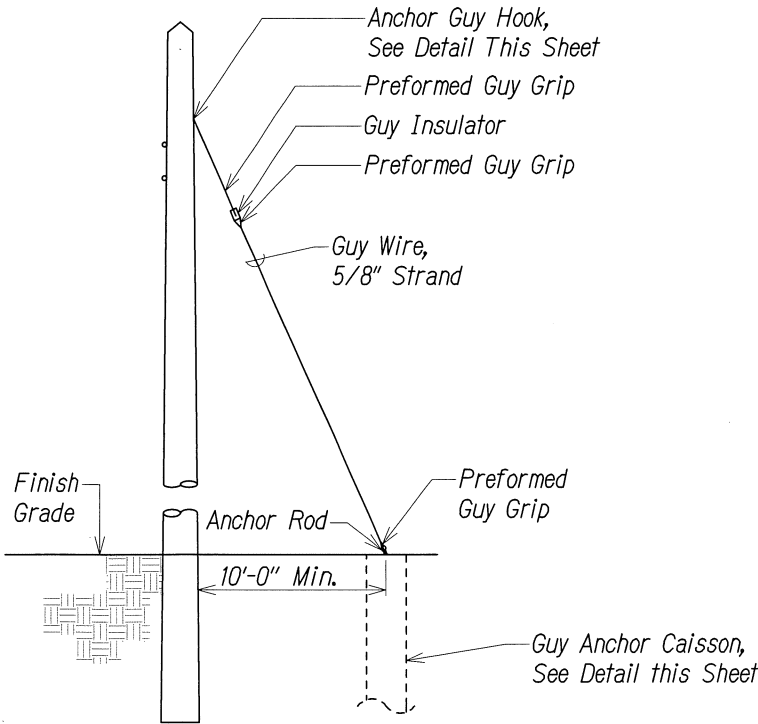
TRAFFIC SIGNAL WOOD POLE INSTALLATION DETAIL

Not To Scale

Notes

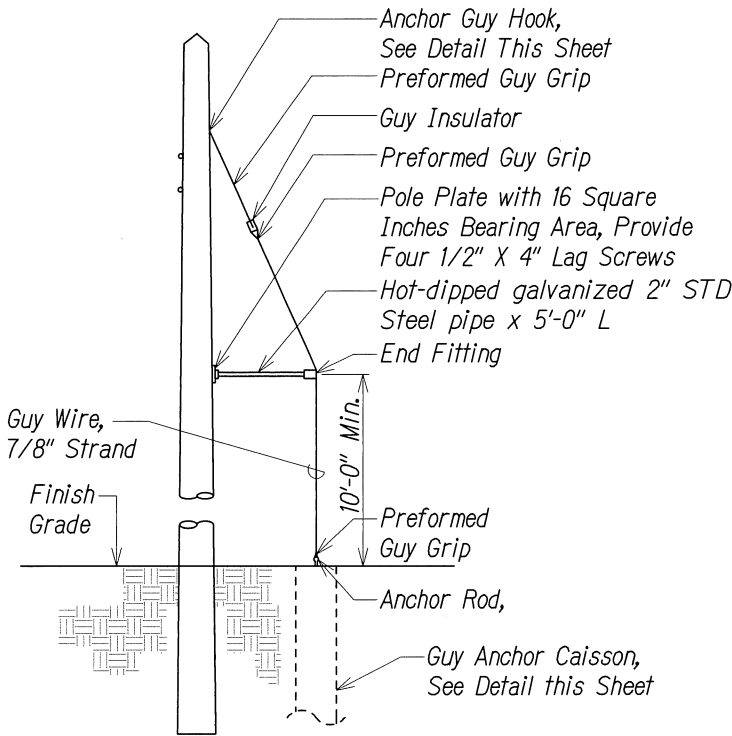
1. Wood Poles Shall Meet The Requirements Of The American National Standards Institute, Inc. And The American Wood Preservers Association.
2. Wood Poles Shall Be Douglas-Fir Poles.
3. Pole Shall be Treated with Pentachlorophenol Using the "Celon" Process, by a Licensed Termite Treatment Company.
4. Termite Treat the Bottom of the Hole and Backfill Material with Aqueous Chemical Solution Consisting of 0.5% Aldrin or 0.5% Dursban. Minimum 5 Gallons of the Solution Shall be Used for Each Hole. Application Shall be Performed by Contractor Licensed for this Type of Work. Treatment Shall be Done as the Hole is Being Backfilled.
5. See Sheet C-22 for Pole Information.

1 *Note: Per Ongoing "Kihei High School" Project, Confirm Grade Elevation For Poles "B" and "C" with Engineer Before Installation.



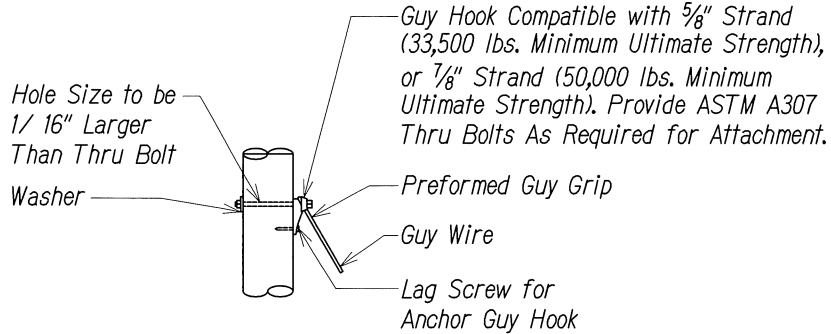
DIAGONAL GUY DETAIL

Not To Scale



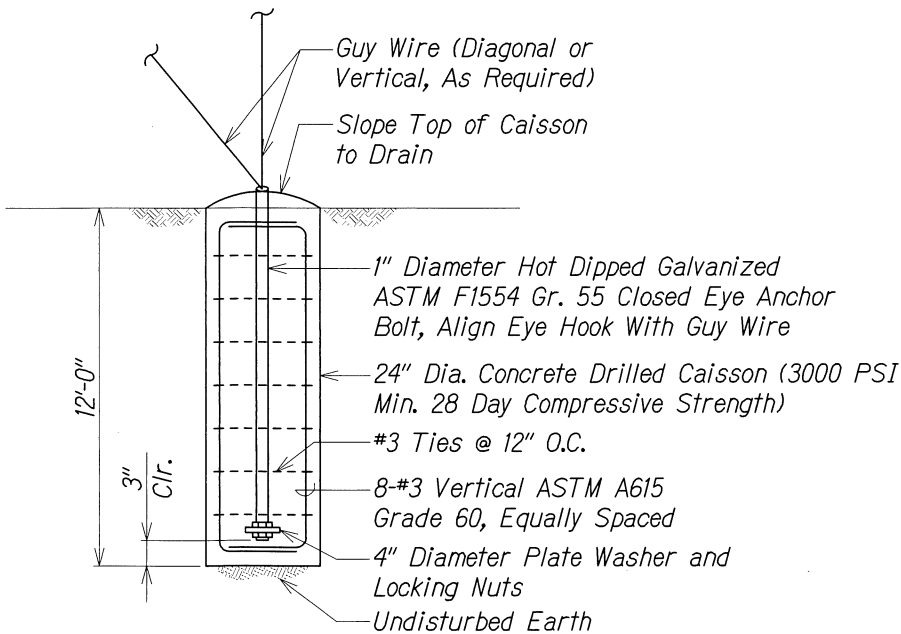
SIDEWALK GUY DETAIL

Not To Scale



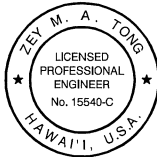
ANCHOR GUY HOOK ATTACHMENT DETAIL

Not To Scale



GUY ANCHOR CAISSON DETAIL

Not To Scale



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

DATE	REVISION
6/04/18	Revised Wood Pole Height and Added Note for Pole Depth

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SPANWIRE DETAILS 3

*Piilani Highway Improvements
Vicinity of Kulanihakai Street
Project No. 31A-02-17*

Scale: As Shown
Date: Mar 2018

SHEET No. C-24 OF 24 SHEETS