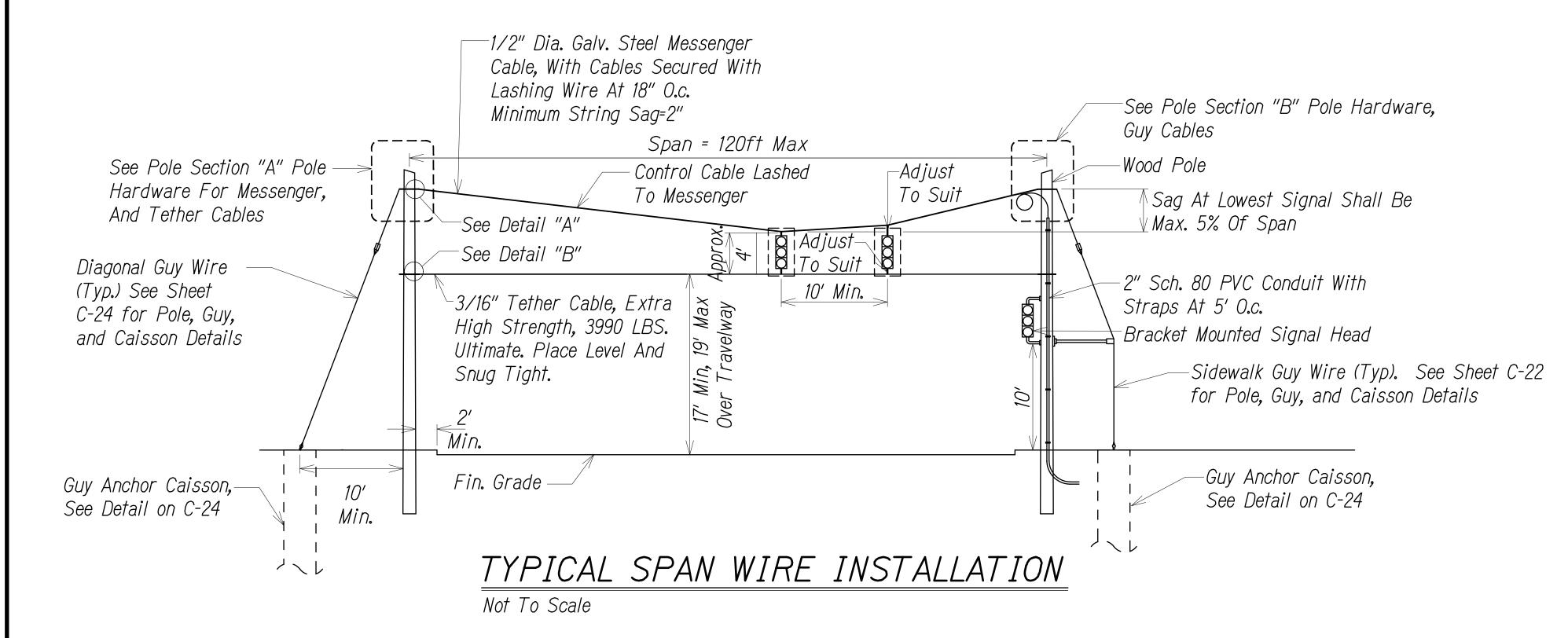
FISCAL SHEET YEAR NO. FED. ROAD DIST. NO. PROJ. NO. 31A-02-17 2018 23



-Cut Excess And Apply

-Guy Hook and Thru Bolt,

Provide 2" Min Clear

—Three Bolt Cable Clamp

-Wire Wrap Serving

-Messenger Cable

Between Crossing Thru

Bolts, See Pole Section "B"

Pole Band

Preservative

Wood Pole

-Thimble

Cable

Note: Messenger Attachment Height Shall

Not Exceed 28'-6" From Finish Grade.

DETAIL "A"

Not To Scale

-2" Sch. 80 PVC Conduit

<u>Notes</u>

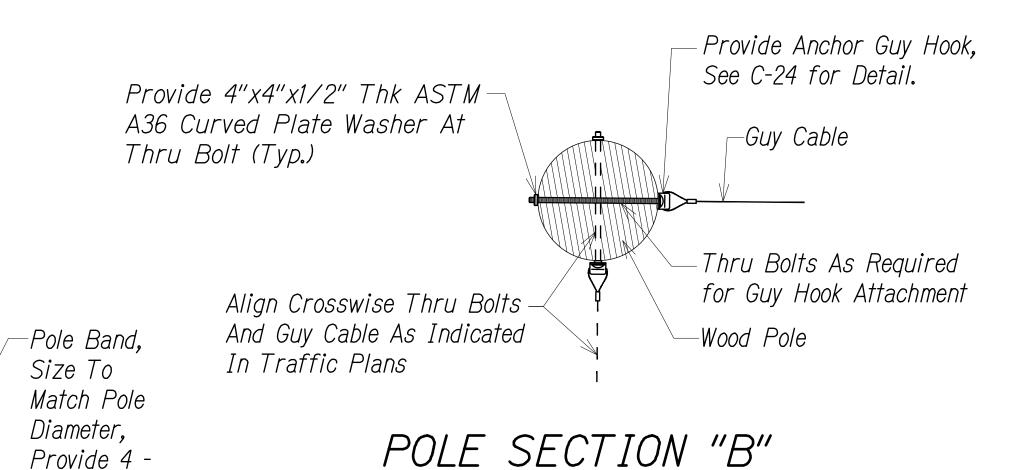
Size To

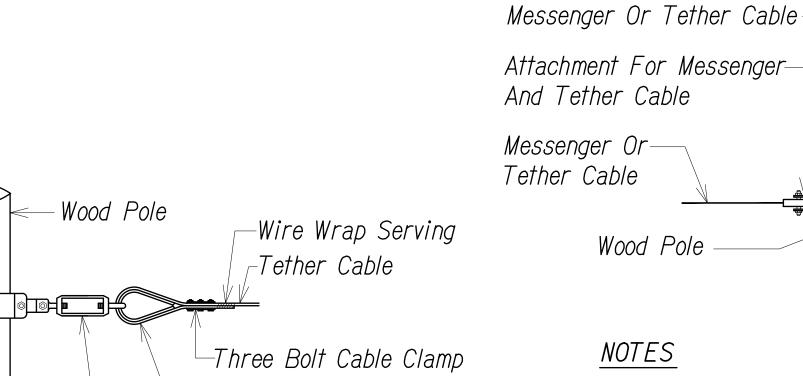
Provide 4 -

1/2" screws

3" long

- 1. Number Of Signal Faces Varies, Max. = 3. See Project Plans.
- 2. Guy Wires, Messenger And Tether Cables Shall Conform To ASTM A 475, Extra High Strength, Class "C" Coating.
- 3. All Cable Fittings Shall Be Galvanized.
- 4. Conduit Riser Shall Be Mounted On The Backside Of The Wood Pole Away From Approaching Traffic.
- 5. All Cable Connection Hardware Shall Have Capacity Greater Than Or Equal To The Minimum Breaking Strength Of Attached Cables.





—Thimble

-Turnbuckle, Eye Ends, 6"

Takeup For Tether Cable

DETAIL "B"

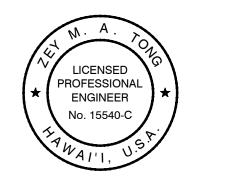
Not To Scale

Takeup For Messenger, 4-1/2"

- Installation Of All Hardware Shall Be As Recommended By The Manufacturer.
- 2. All Hardware Shall Be Hot Dip Galvanized.

POLE SECTION "A" Not To Scale





THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Not To Scale

STATE OF HAWAI'I **DEPARTMENT OF TRANSPORTATION**

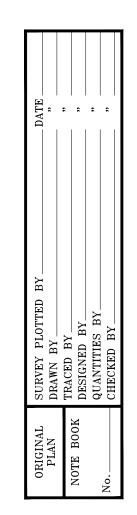
SPANWIRE DETAILS 1

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

Scale: As Shown

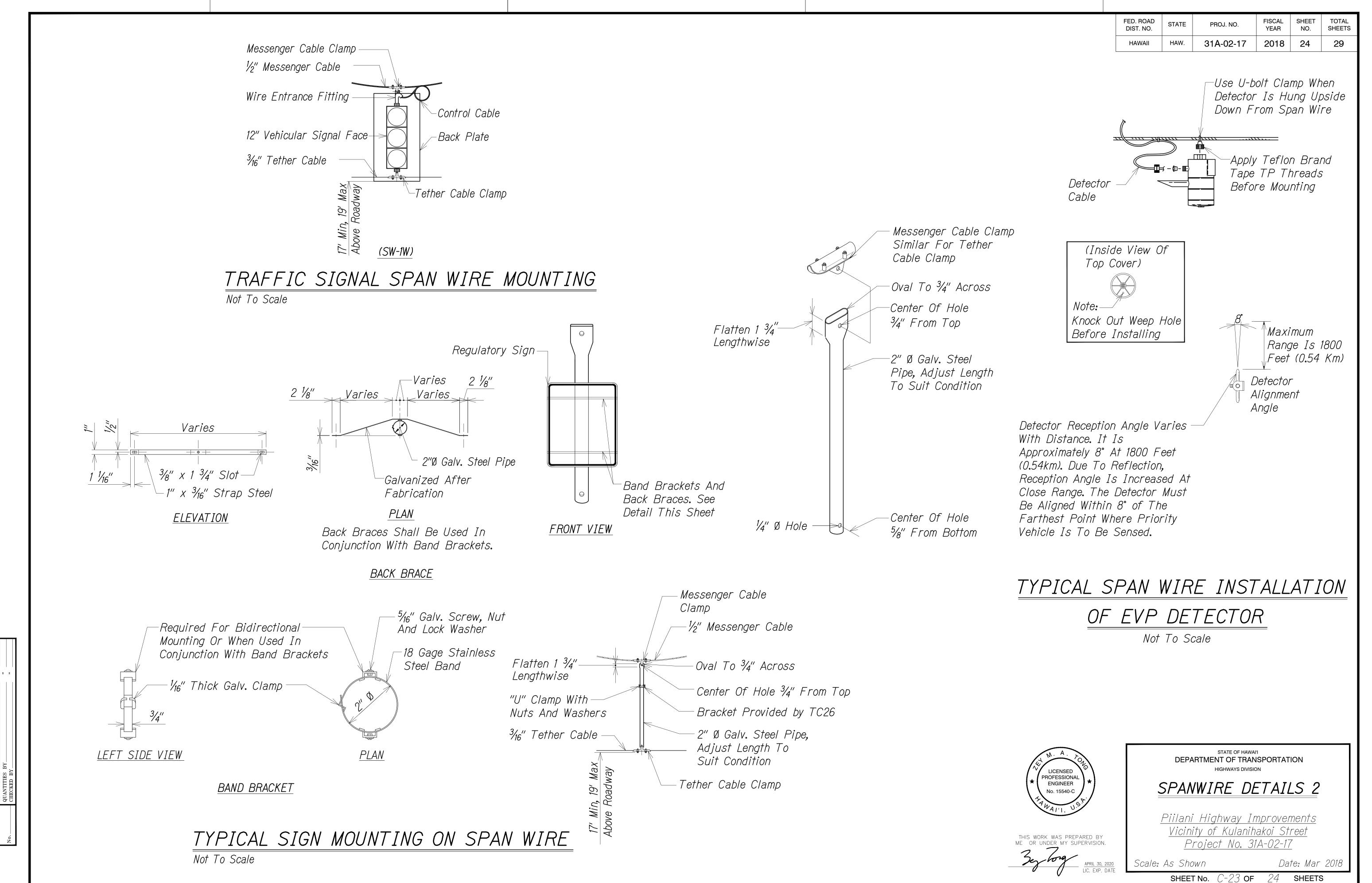
Date: Mar 2018

C-22 **OF** 24 **SHEETS** SHEET No.

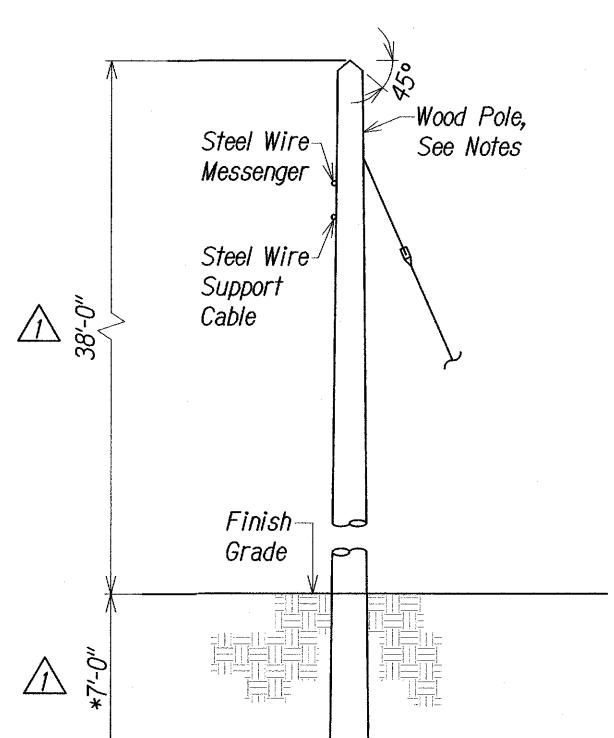


15" Min.

Pole Band-



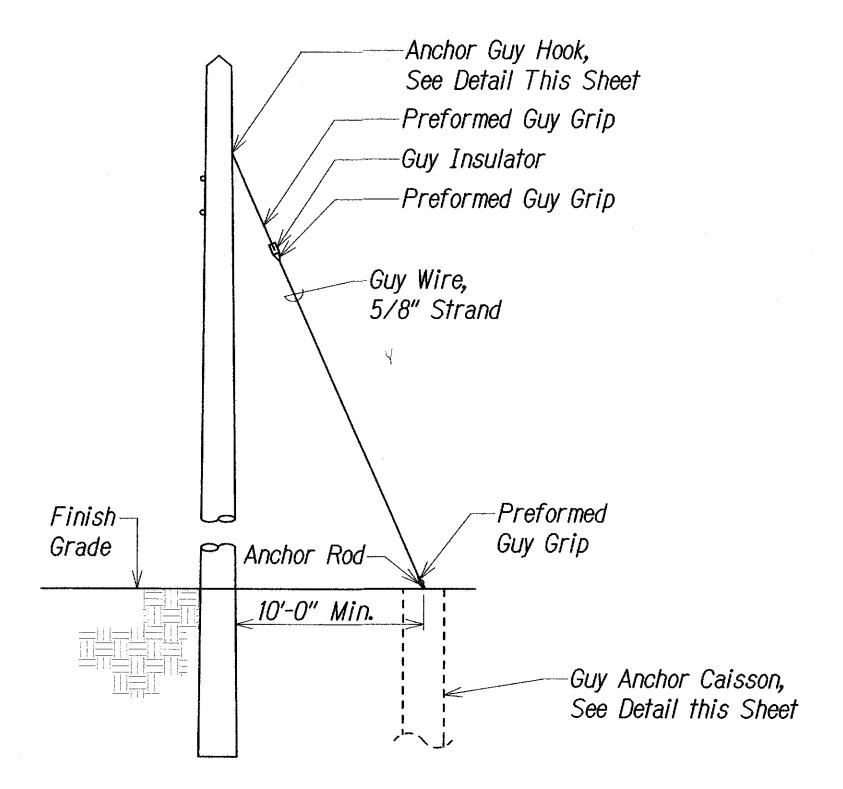
FISCAL SHEET YEAR NO. FED. ROAD DIST. NO. PROJ. NO. STATE 2018 25 31A-02-17



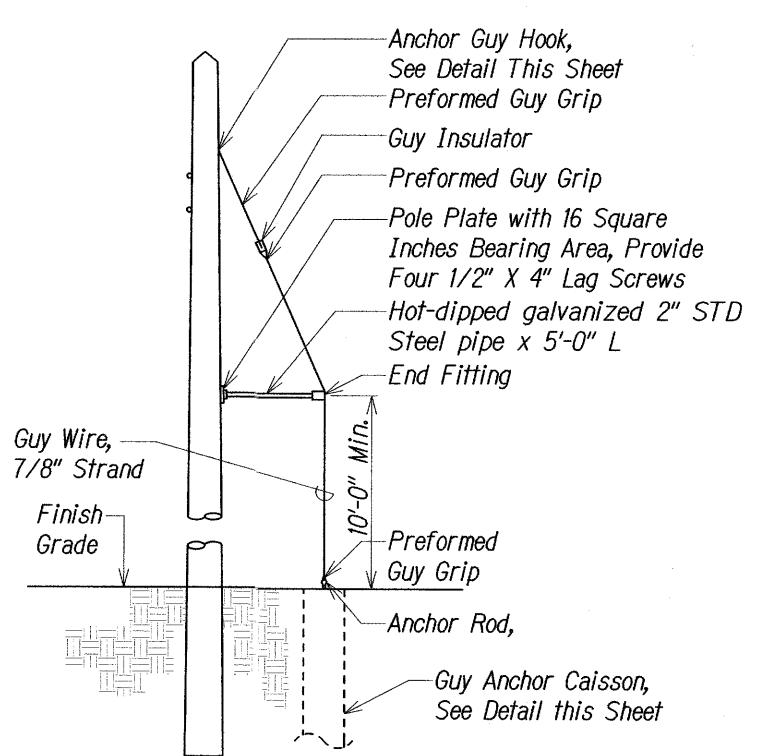
<u>Notes</u>

- 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.
- 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.
- See Sheet C-22 for Pole Information.

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



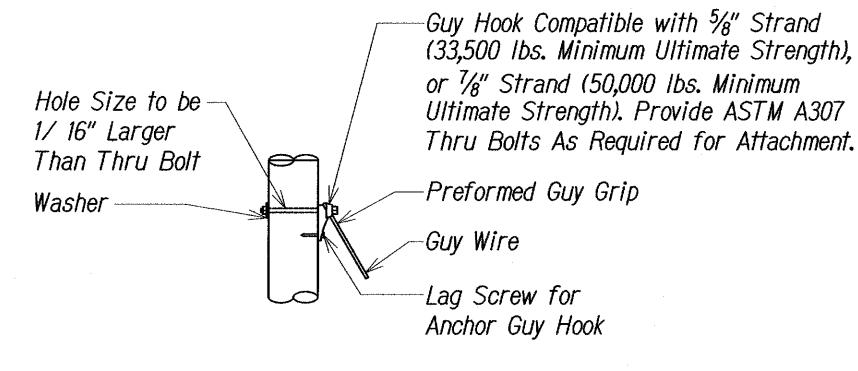




SIDEWALK GUY DETAIL Not To Scale

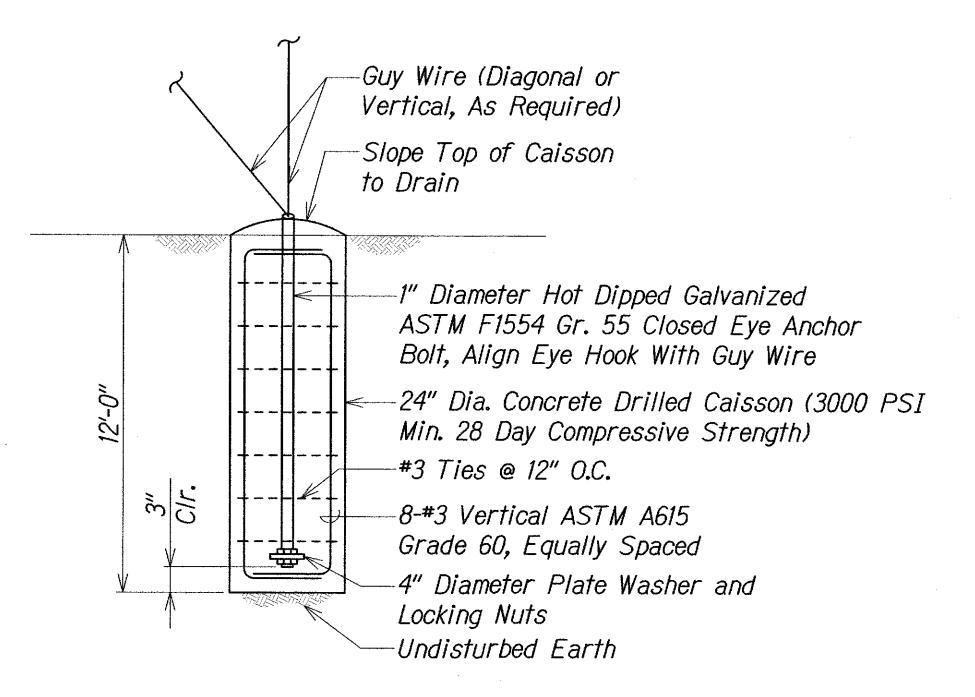
TRAFFIC SIGNAL WOOD POLE INSTALLATION DETAIL

Not To Scale



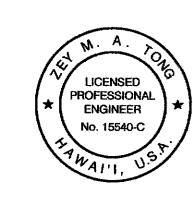
ANCHOR GUY HOOK ATTACHMENT DETAIL

Not To Scale



GUY ANCHOR CAISSON DETAIL

Not To Scale



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Revised Wood Pole Height and Added Note for Pole Depth DATE REVISION

STATE OF HAWAPI
DEPARTMENT OF TRANSPORTATION

SPANWIRE DETAILS 3

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

Scale: As Shown

Date: Mar 2018 24 SHEETS

SHEET No. C-24 OF

