2/17/59

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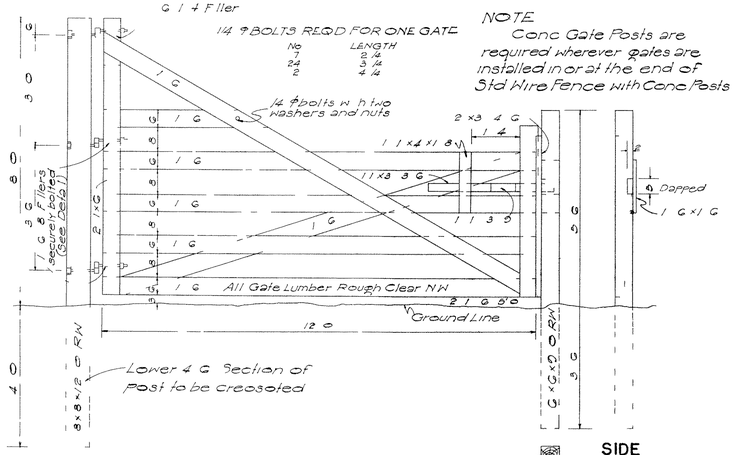
WA	I	3198 0 (4)	57 0	0	0

AUG 1957

DETAIL OF CATTLE GATE

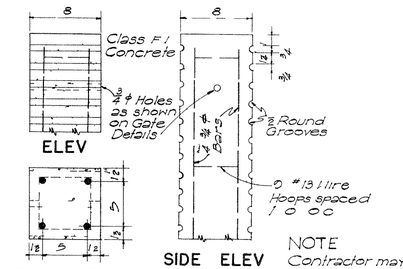
Scale 1/2 1 - 0



NOTE
Conc Gate Posts are required wherever gates are installed in or at the end of Std Wire Fence with Conc Posts

CONC GATE POST

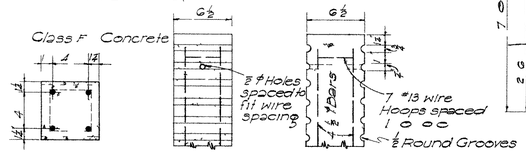
Scale 1 1/2 = 1 - 0



NOTE
Contractor may either cast holes for fastening fence wire or cast post with 3/4 x 1/2 round grooves on 2 sides

CONC FENCE POST

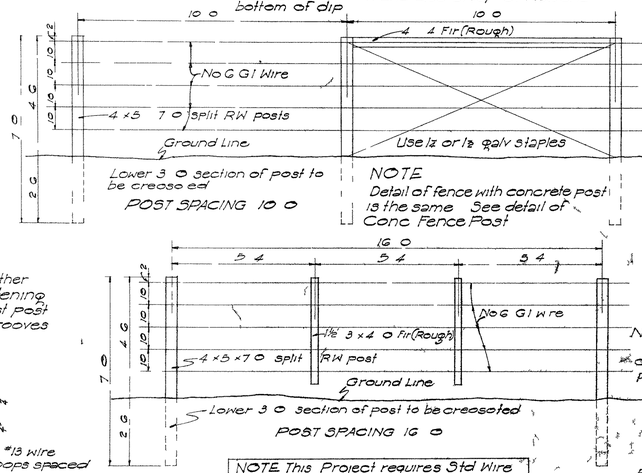
Scale 1 - 1/2 = 1 - 0



Note Fence must be anchored against pull at least every 500ft and also at top of rise and bottom of dip

DETAILS OF STANDARD WIRE FENCE WITH WOOD POSTS

Scale 3/8 = 1 - 0

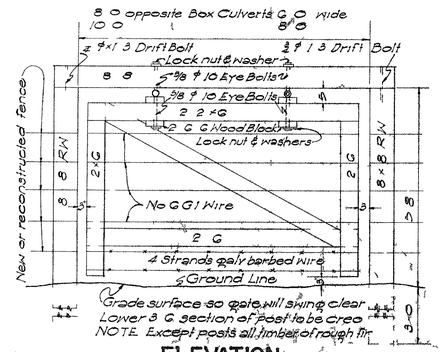


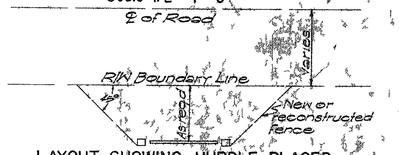
Position in relation to R/W in front of each separate property must be secured from the Engineer

Note to Engineer Fence must be on Road R/W to participate in Federal Aid Consult office if uncertain what to do

ELEVATION

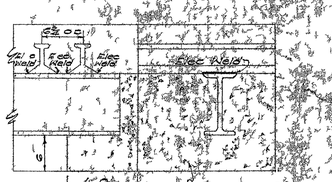
Scale 1/2 = 1' - 0'

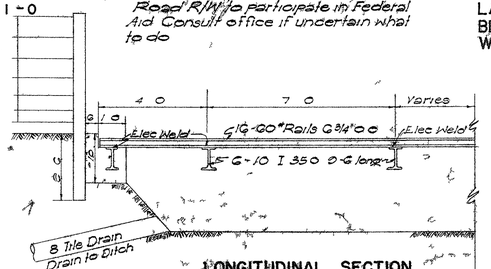




LAYOUT SHOWING HURDLE PLACED BELOW CULVERT IN A POSITION WHICH WILL BE CATTLE TIGHT

DETAILS OF HURDLE

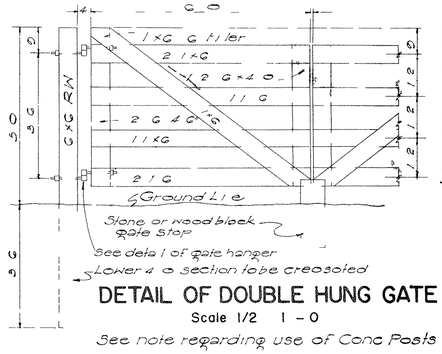


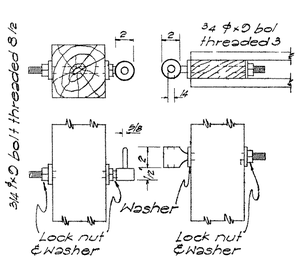


LONGITUDINAL SECTION

DETAIL OF DOUBLE HUNG GATE

Scale 1/2 1 - 0



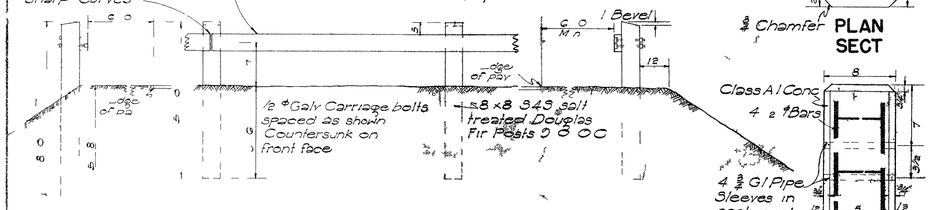


DETAIL OF GATE HANGER

Scale 1 1/2" 1 - 0

Note Use 3/4 ϕ x 11 bolts for Cattle Gate

See note regarding use of Conc Posts

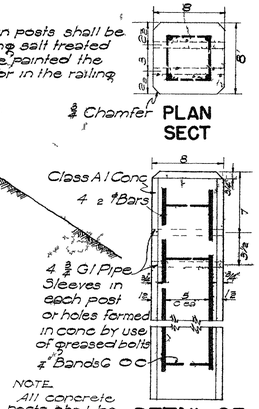


WOOD GUARD RAIL WITH WOOD POSTS

Scale 3/8' = 1' - 0'

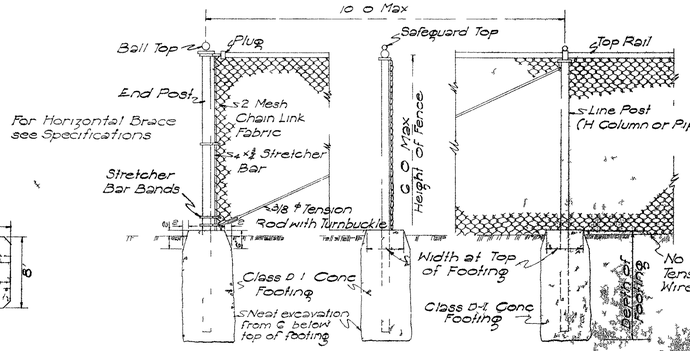
NOTE For Conc Post see detail at right

GUIDE POSTS Wood or Conc Guide Posts are the same as those used for Wood Guard Rail spaced as shown on plans



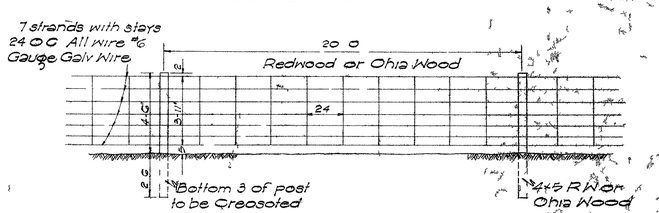
DETAIL OF CONC POST

Scale 1-1/2" = 1 - 0



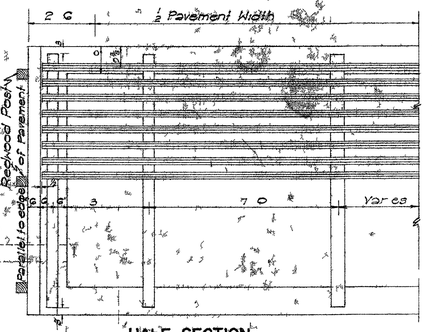
DETAIL OF CHAIN LINK FENCE

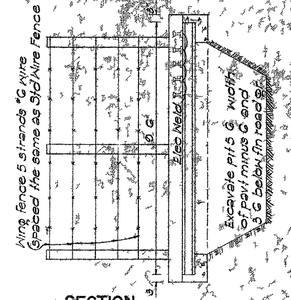
Scale 1/2 = 1 - 0



DETAIL OF WOVEN WIRE FENCE

Scale 1/4 = 1 - 0





DETAIL OF CATTLE GUARD

Scale 3/8" = 1' - 0"

APPROVED DATE JAN 25 1958

STATE HIGHWAY ENGINEER

DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS
STATE OF HAWAII

STANDARD DETAILS

FENCES, GATES, GUARD RAILS, GUIDE POSTS, CATTLE GUARD

SCALES AS NOTED

SHEET № OF SHEETS

10

ORIGINAL TRACE
SURVEY PLOTTED BY
DESIGNED BY
DRAWN BY J. Calisto
TRACED BY
QUANTITIES BY
QUANTITIES CHECKED BY
CHECKED BY
DATE
NOTE BOOK
No.