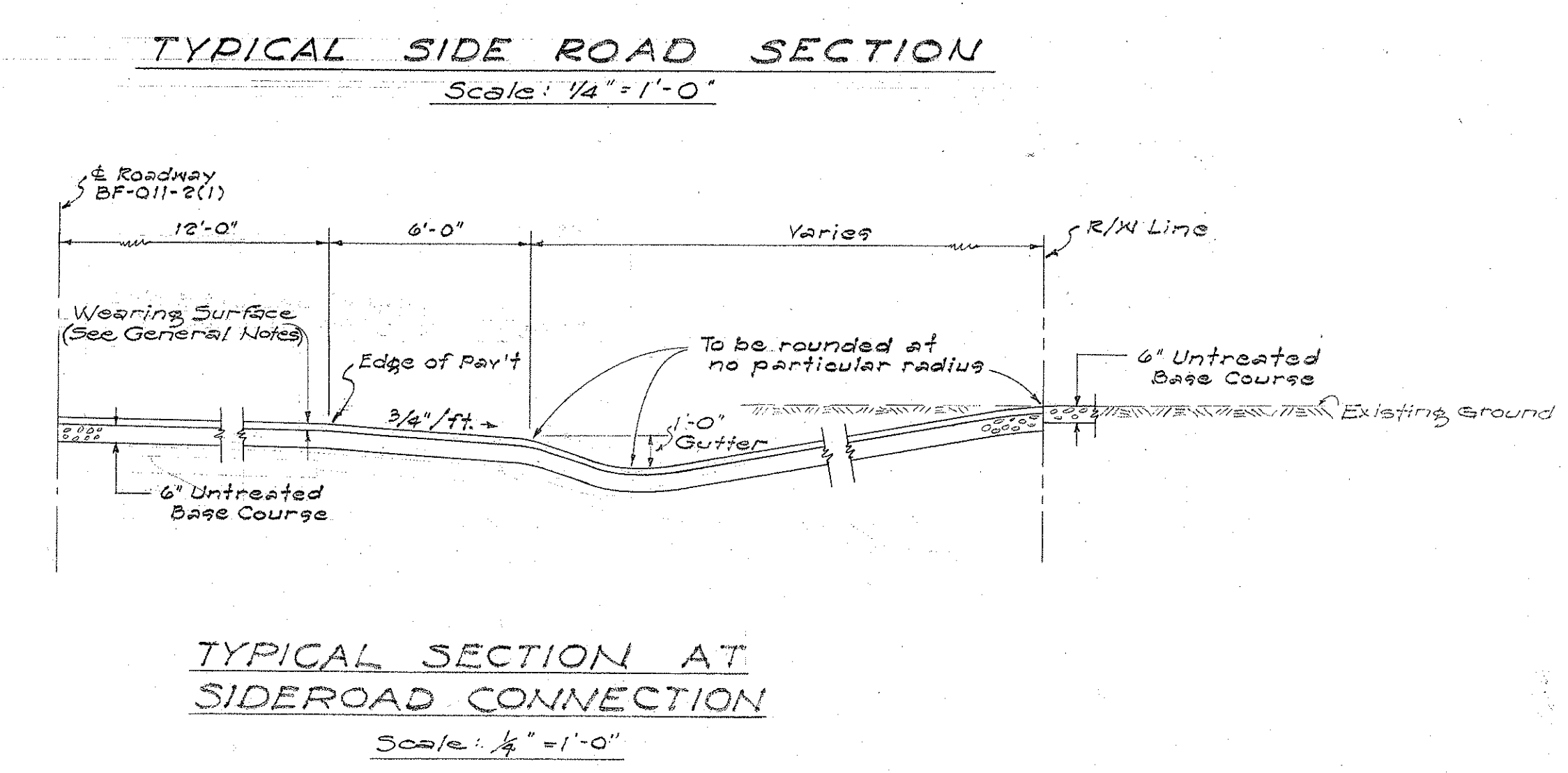
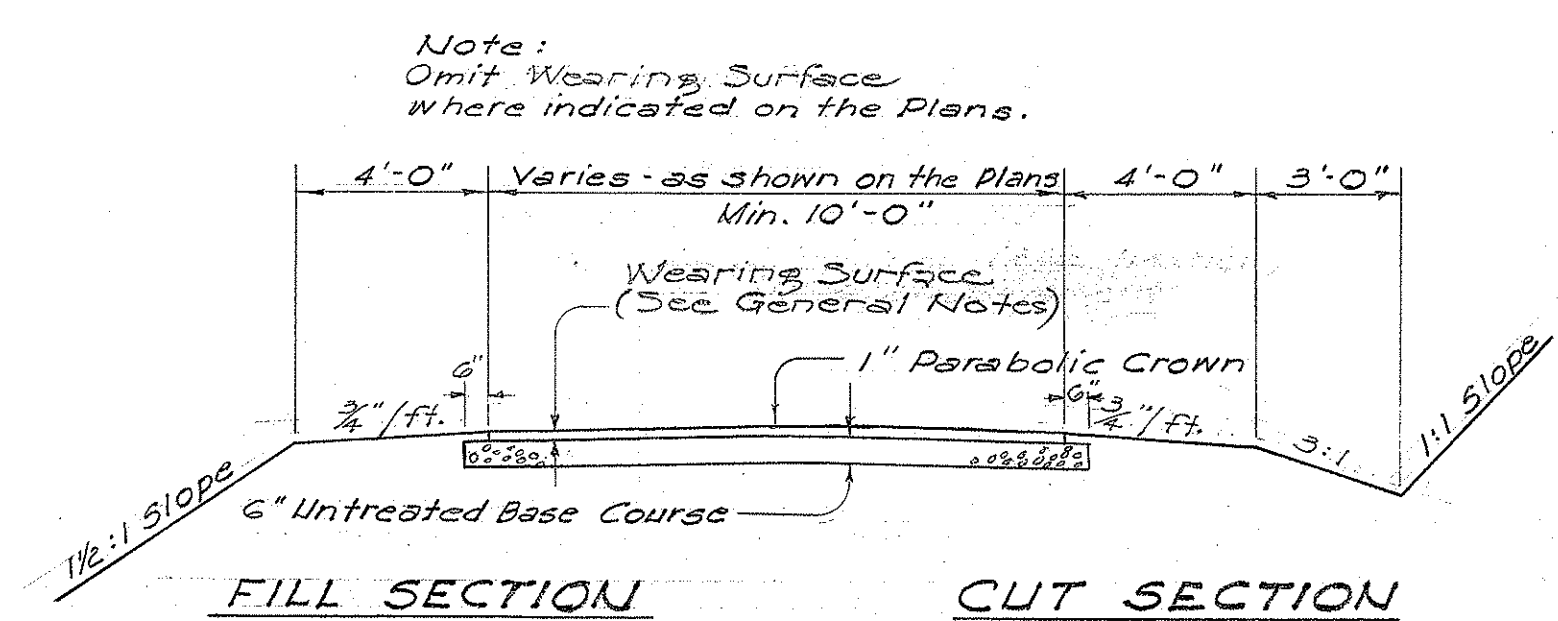
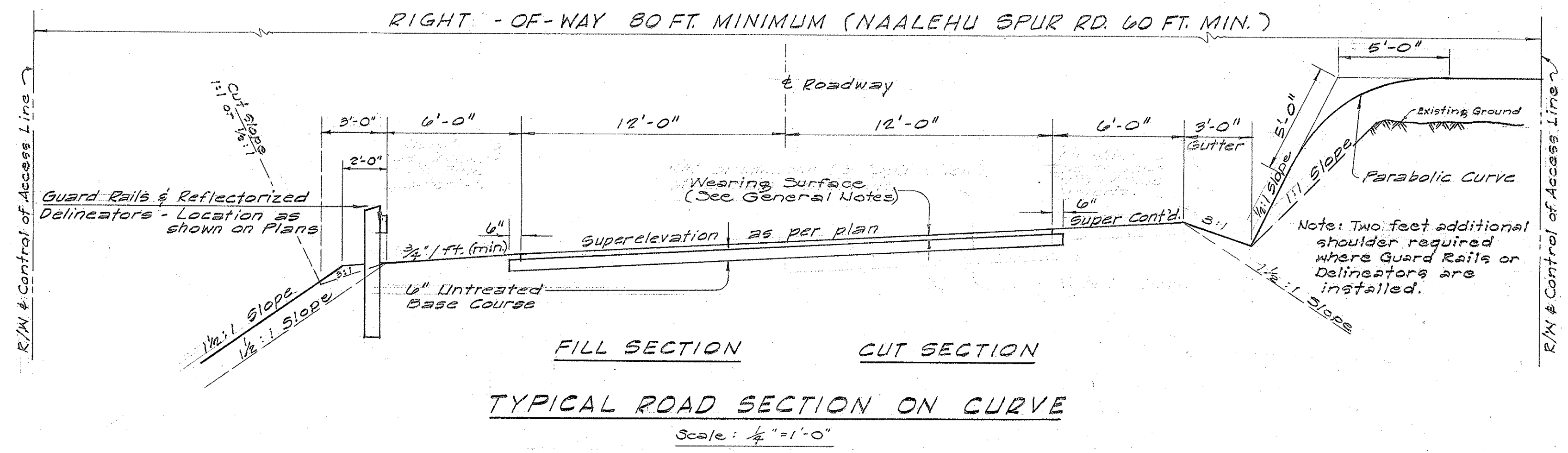
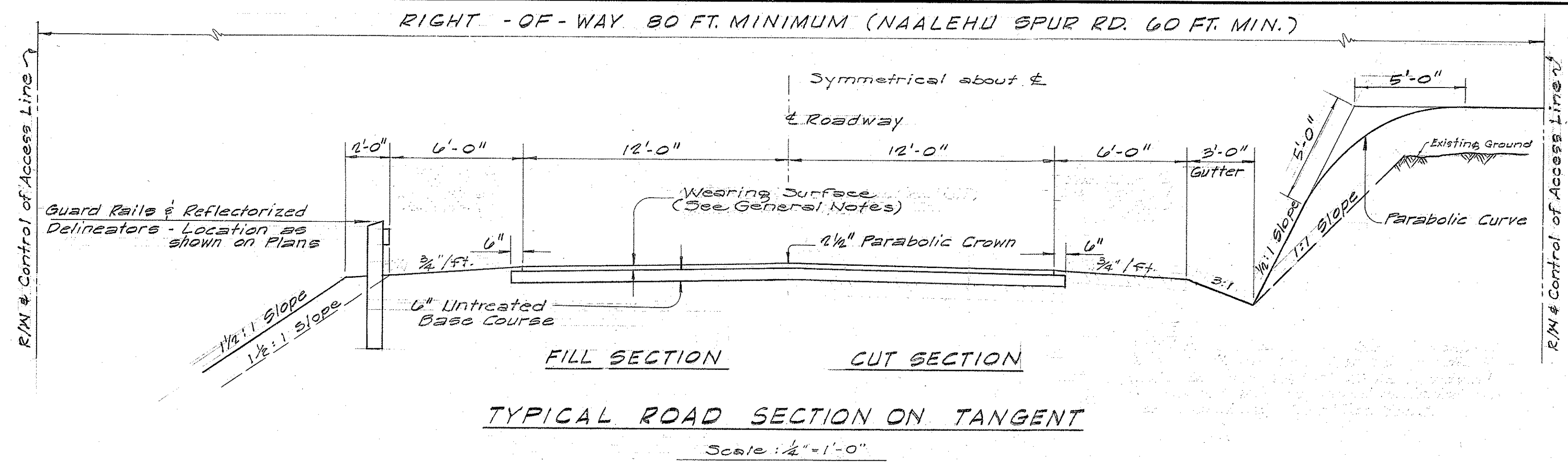


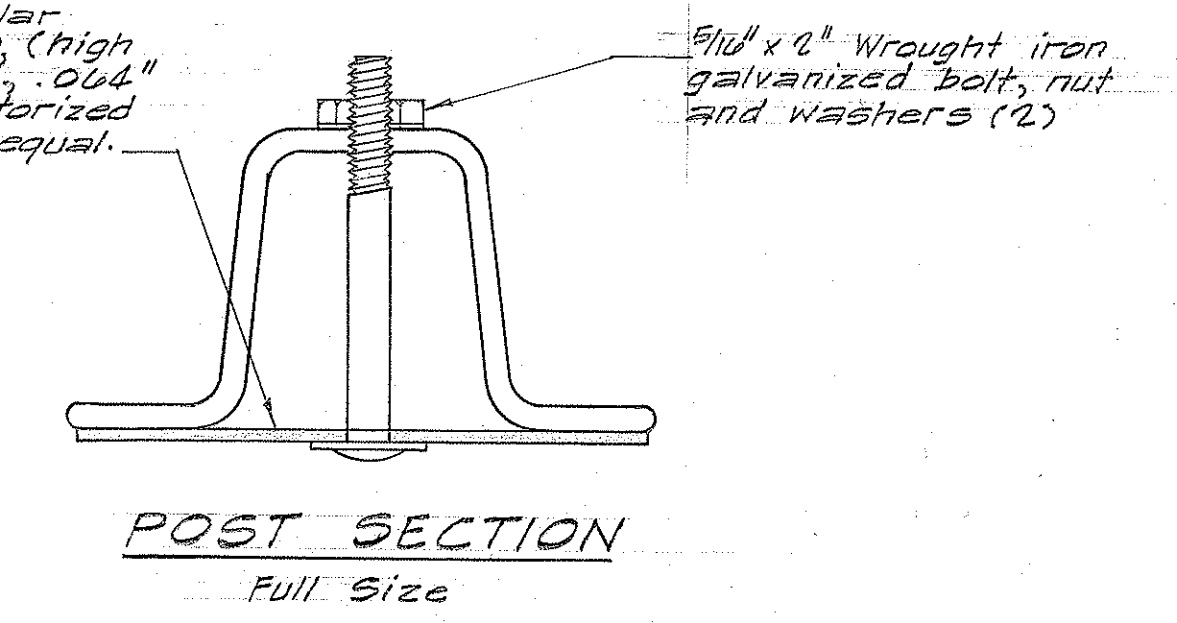
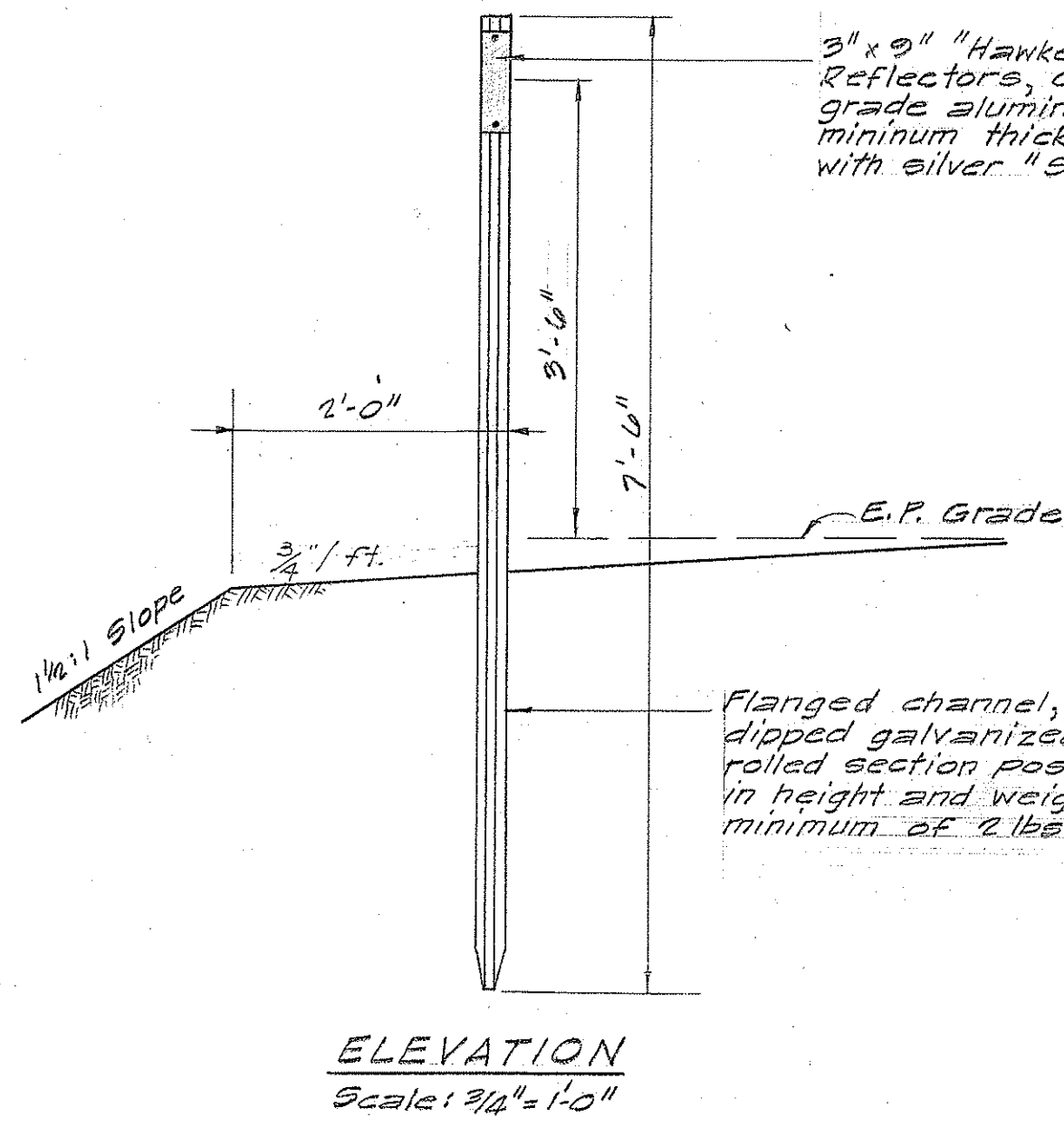
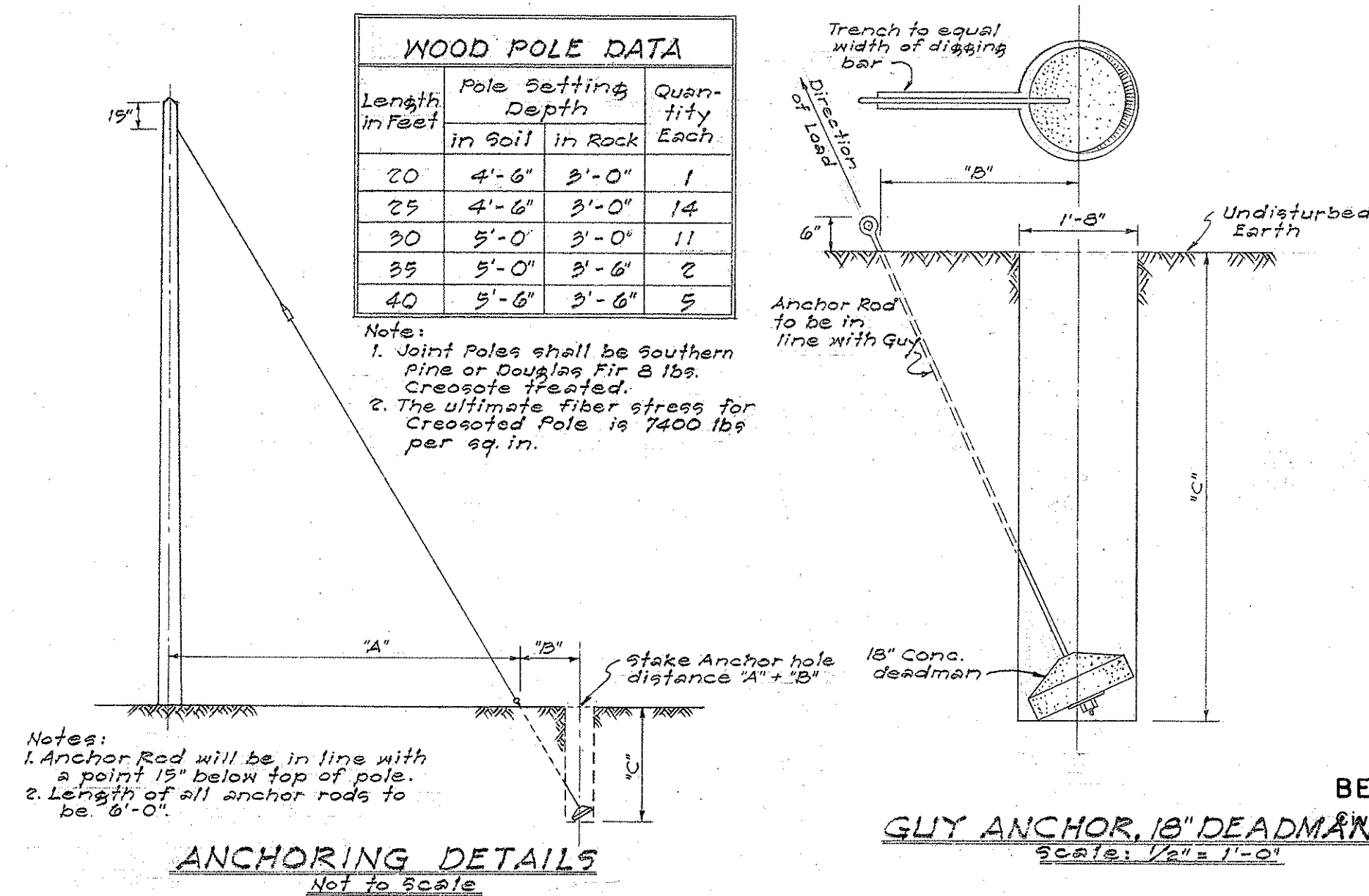


GENERAL NOTES

- Where Cut Slopes are 1/2:1 the top of the Cut Slopes shall be rounded where shown on the Cross Sections, or as ordered by the Engineer.
- Where Cut Slopes are 1/2:1 or flatter, such Excavation Slopes shall be finished in accordance with the requirements for Class "A" Excavation. Where the Cut Slopes are steeper than 1/2:1, they shall be finished in accordance with the requirements for Class "B" Excavation.
- Solid Rock shall be broken and loosened to a depth of 6" below subgrade. See Standard Specifications.
- Wearing surface shall be either 2 1/2" Bituminous (or application) Macadam or 2" Asphalt Concrete, Mix III, Pavement.

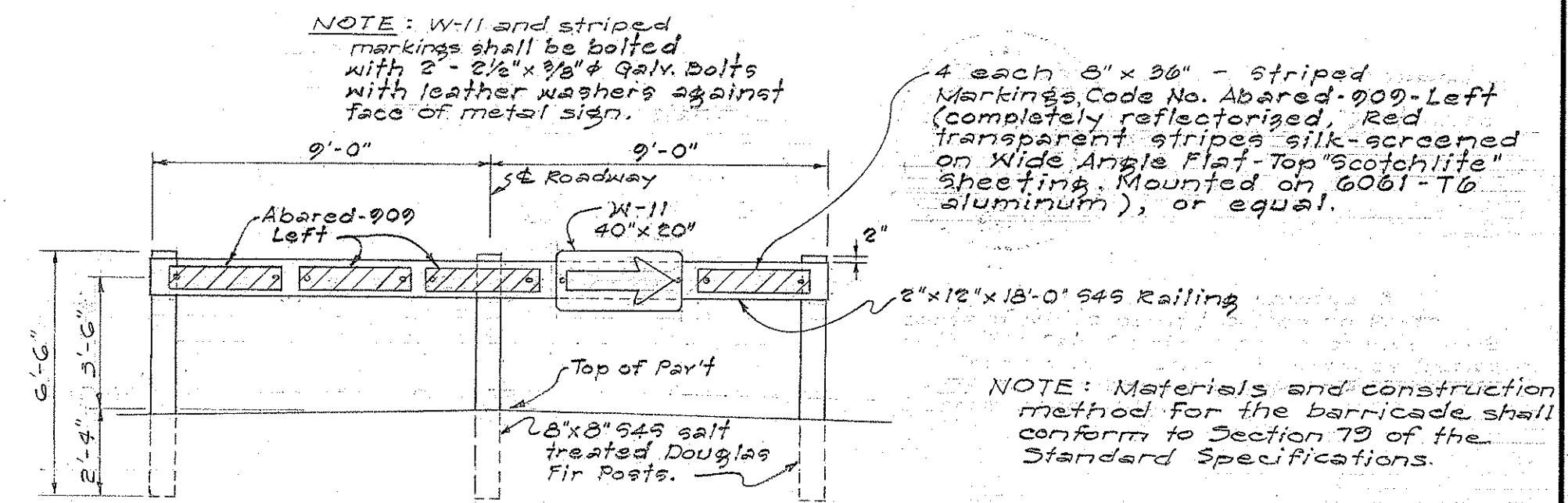
WOOD POLE DATA		
Length in Feet	Pole Setting Depth in Soil in Rock	Quantity Each
20	4'-6" 5'-0"	1
25	4'-6" 5'-0"	14
30	5'-0" 5'-0"	11
35	5'-0" 5'-6"	2
40	5'-6" 5'-6"	5

- Notes:
- Joint Poles shall be Southern Pine or Douglas Fir & 15s. Creosote treated.
 - The ultimate fiber stress for Creosoted Pole is 7400 lbs per sq. in.



Note: Reflectorized Delineators shall be spaced a maximum of 100 ft. apart and the exact spacing shall be determined by the Engineer in the field.

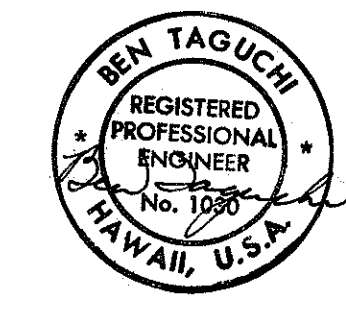
DETAIL OF REFLECTORIZED DELINEATOR



ANCHORING DATA			
For Poles Length in Feet	Lead Anchor Rod to & of Pole	Anchor Rod to & of Hole	Vert. Depth 18" D.M.
20, 25, 30	5'-0" 10'-0" 15'-0" 20'-0" 25'-0"	1'-8" 3'-0" 4'-0" 4'-8" 5'-2"	7'-1" 6'-7" 6'-1" 5'-6" 4'-11"
35 & 40	5'-0" 10'-0" 15'-0" 20'-0" 25'-0"	1'-0" 1'-11" 2'-8" 3'-3" 3'-10"	7'-3" 7'-1" 6'-9" 6'-6" 6'-2"

Note: Lead (dimension "A") for H.T.Co. anchors only.

ANCHOR ROD DATA		
Size	Allowable Load # of Ultimate	Quantity Each
5/8"	3,000 lbs.	15
3/4"	12,500 lbs.	7



BELT, COLLINS & ASSOC., LTD.
and Structural Engineers

STATE HIGHWAY DEPARTMENT
STATE OF HAWAII

TYPICAL SECTIONS

HAWAII BELT ROAD
PROJ. NO. BF-011-2 (1)

SCALE: AS NOTED

SHEET NO. 1 OF 1 SHEETS

DATE: _____

SURVEY PLOTTED BY: _____

DESIGNED BY: _____

DRAWN BY: _____

QUANTITIES CHECKED BY: _____

NOTE BOOK No. _____

CREATED BY: _____