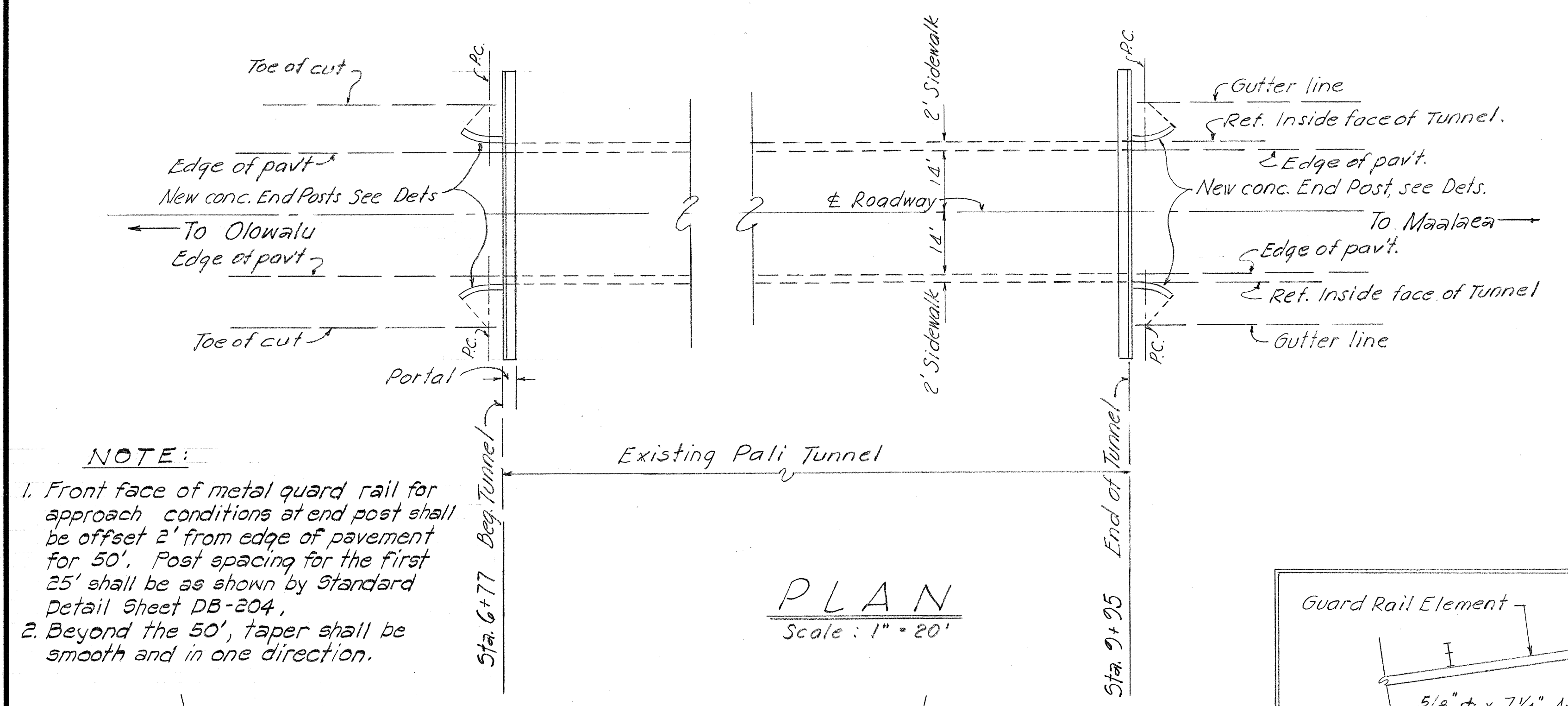
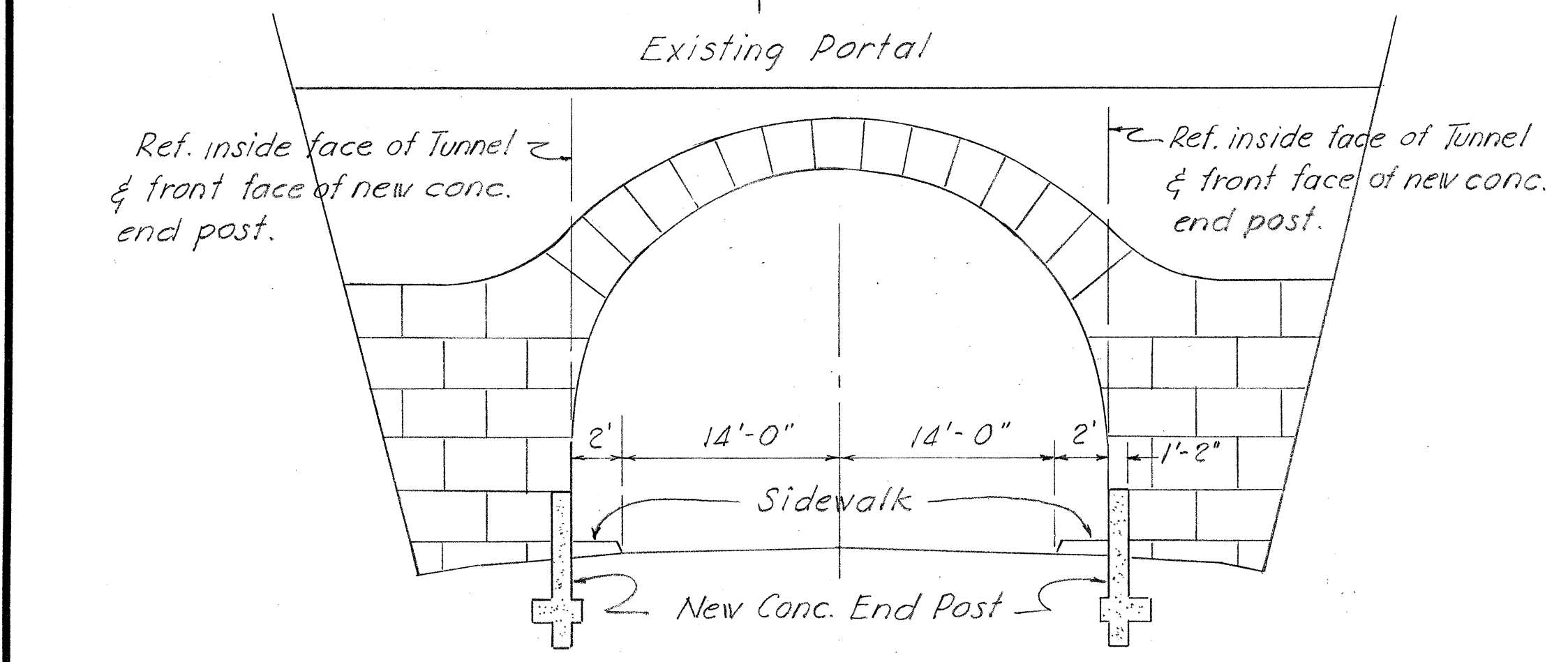


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ROS-030-1(12)	1976	2	17

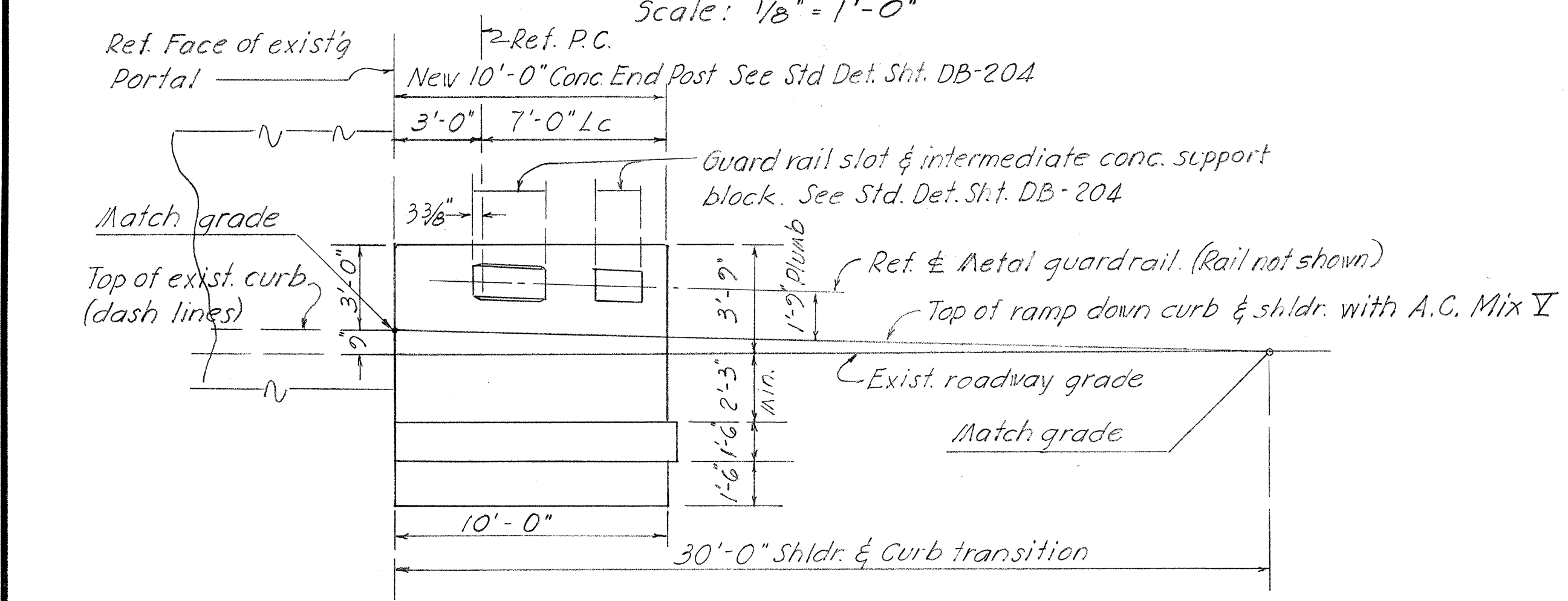


- NOTE:**
1. Front face of metal guard rail for approach conditions at end post shall be offset 2' from edge of pavement for 50'. Post spacing for the first 25' shall be as shown by Standard Detail Sheet DB-204.
 2. Beyond the 50', taper shall be smooth and in one direction.

PLAN
Scale: 1" = 20'

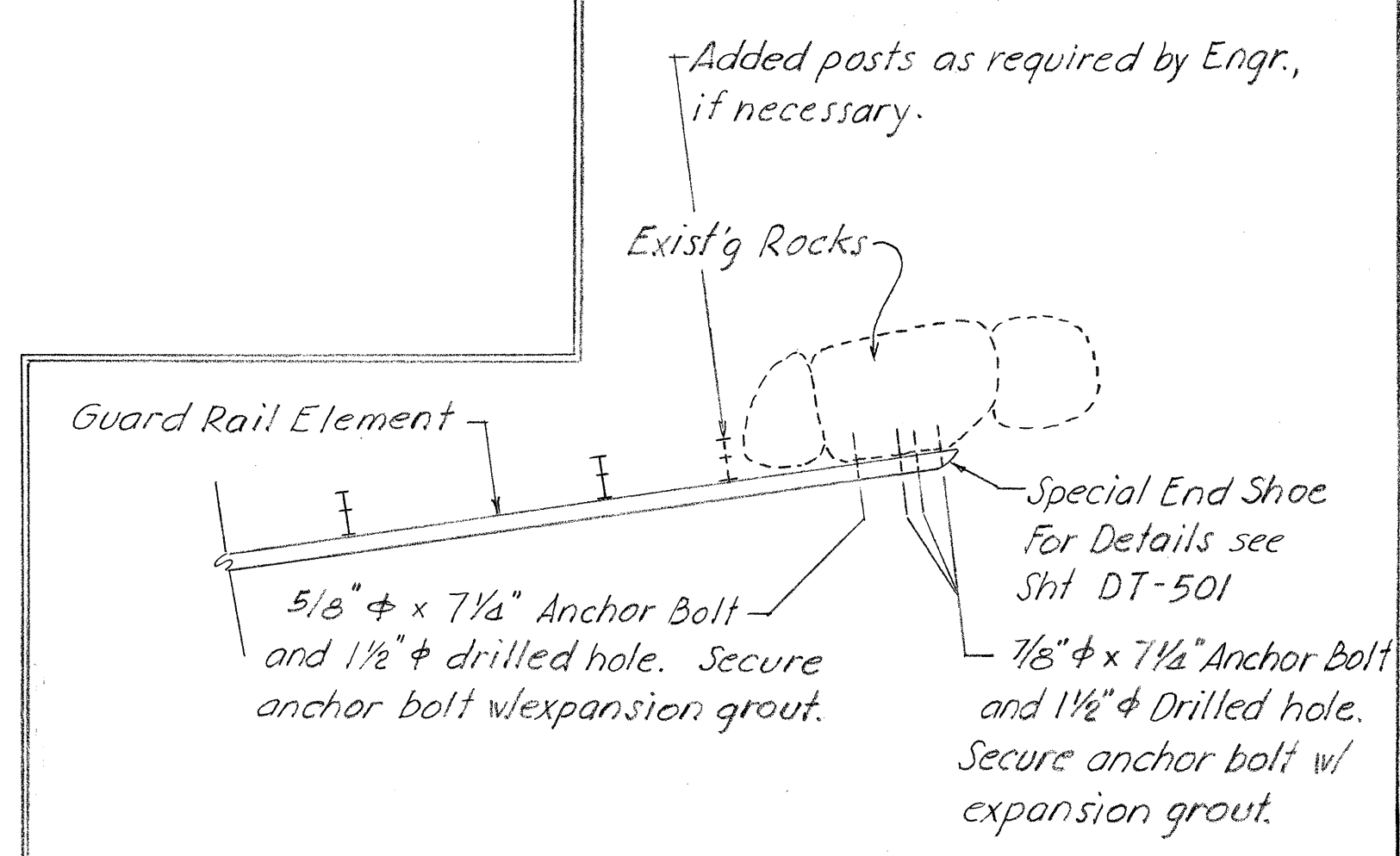


PORTAL ELEVATION
Scale: 1/8" = 1'-0"

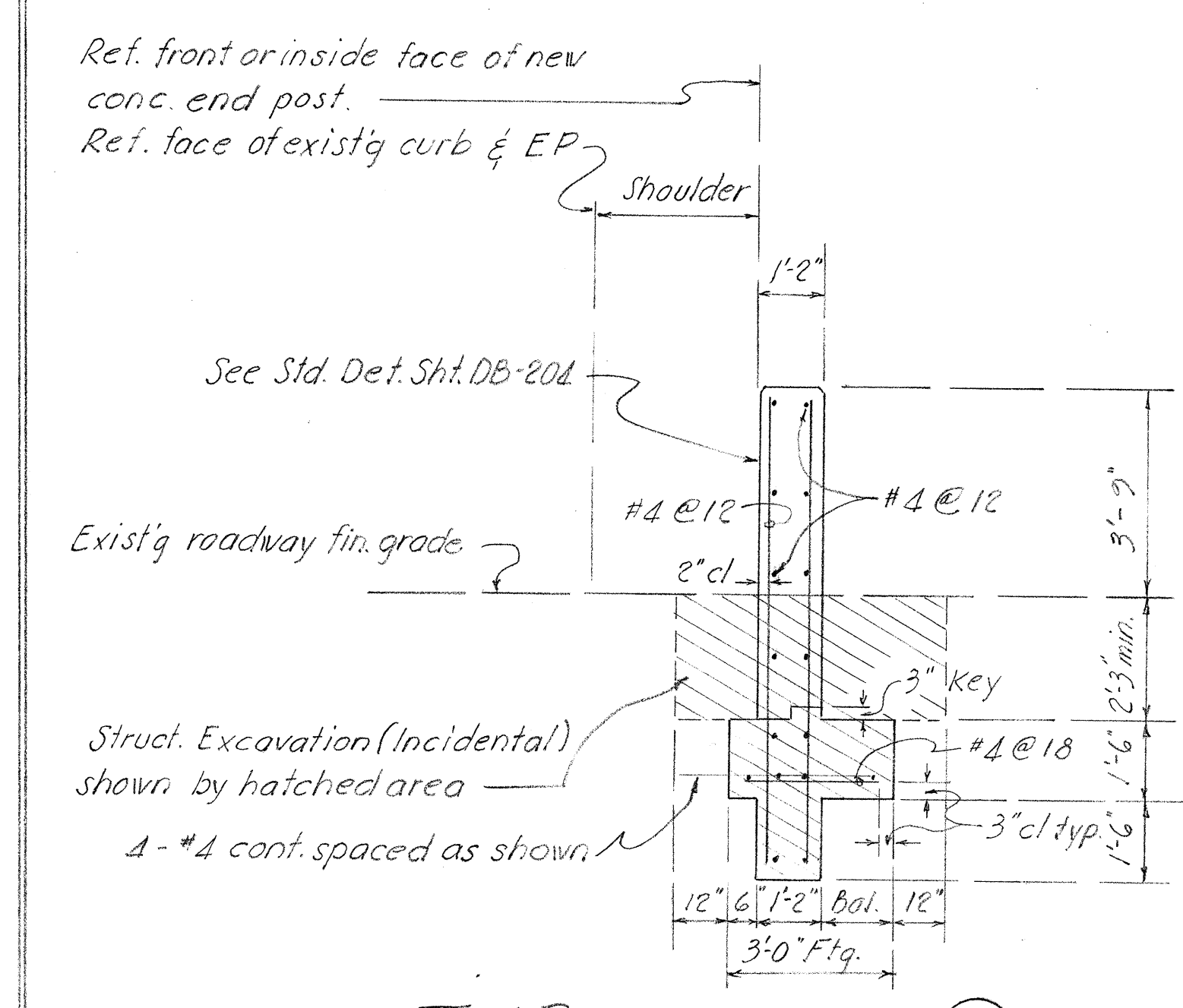


TYP. END POST ELEVATION
Scale: 1/4" = 1'-0"

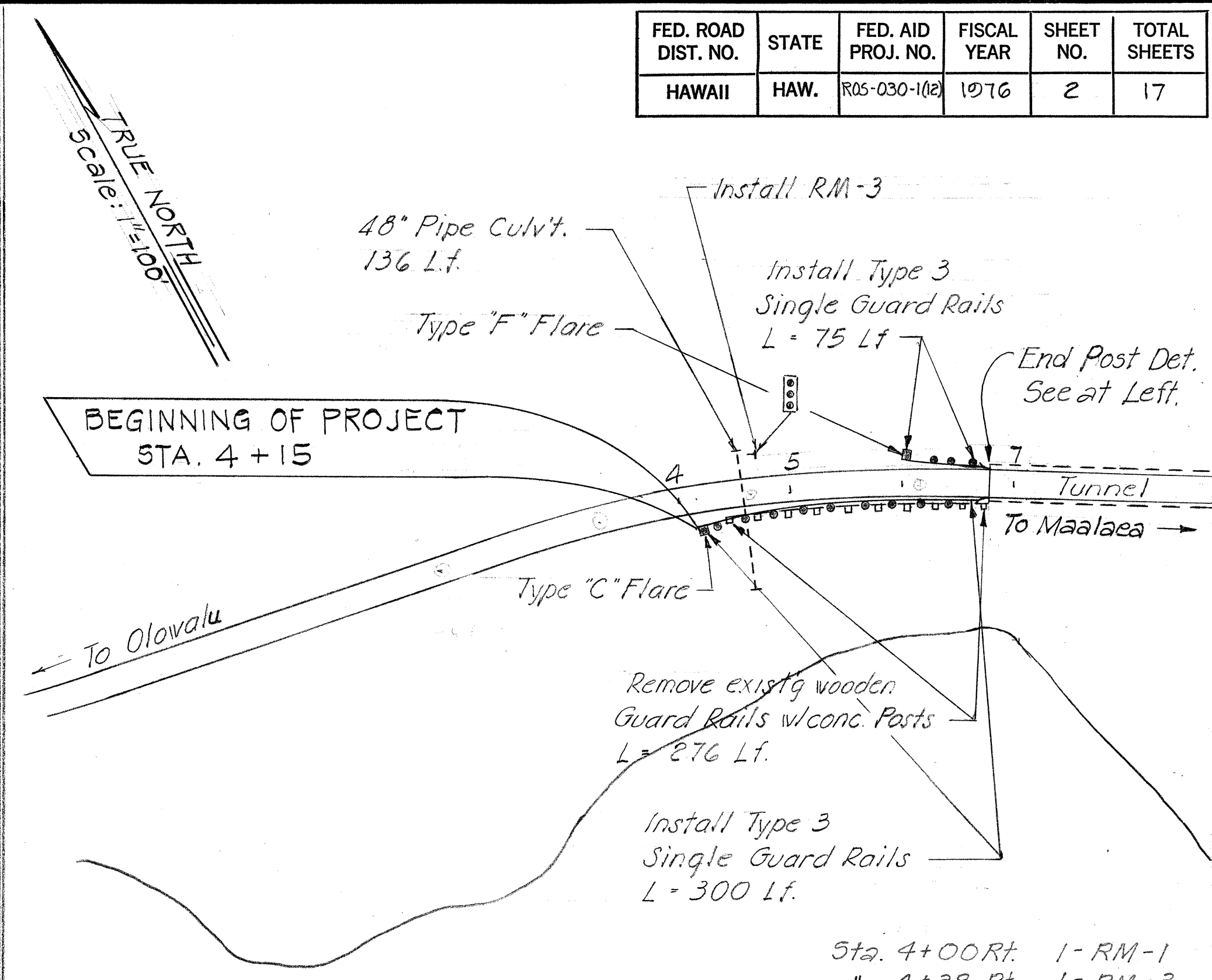
Note:
Remove portion of existing rocks and provide smooth surface to receive guard rail and end shoe.



SPECIAL FLARE ANCHOR DETAIL



TYP. SECT.
Scale: 3/8" = 1'-0"



PLAN
Scale: 1" = 100'

SUMMARY OF SIGNS & MARKERS

ITEM 621.41 - REFLECTOR MARKER W/ POSTS	STATION	RM-1	RM-3	STATION	RM-1	RM-3
4+60 Lt.	1			80+70 Lt.		1
4+60 Rt.	1			86+77 Rt.		1
5+45 Rt.	1			89+40 Lt.		1
6+30 Rt.	1			97+87 Rt.		1
7+15 Rt.		1		102+39 Lt.		1
10+00 Lt.		1		107+20 Rt.		1
10+85 Lt.	1			111+00 Lt.		1
14+40 Lt.		1		115+40 Lt.		1
15+50 Rt.		1				
22+50 Rt.		1				
23+65 Lt.		1				
31+55 Rt.		1				
34+65 Lt.		1				
38+15 Rt.		1				
40+50 Lt.		1				
42+40 Rt.		1				
43+12 Rt.		1				
51+50 Lt.		1				
55+25 Rt.		1				
57+70 Lt.		1				
65+65 Lt.		1				
61+50 Rt.		1				
68+10 Rt.		1				
72+67 Rt.		1				
74+80 Lt.		1				
79+47 Rt.		1				

ITEM 621.55 REGULATORY AND WARNING SIGN (CONSTRUCTION) WITH POST	TYPE	DESCRIPTION	QUAN.
CG 20-1(2) ROAD CONSTRUCTION 2 MILES (60"x36")			2
CG 20-2 END CONSTRUCTION (60"x24")			2

- NOTE:**
1. Upon completion of the project, the Contractor shall remove the Construction Signs and stockpile at an area designated by the Engineer.
 2. Costs for removal and storing of signs shall be considered to be incidental to Item No. 621.55 and no separate payment will be allowed.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN & MISC. DETAILS

HONOLULU HIGHWAY
F.A. Proj. No. ROS-030-1(12)

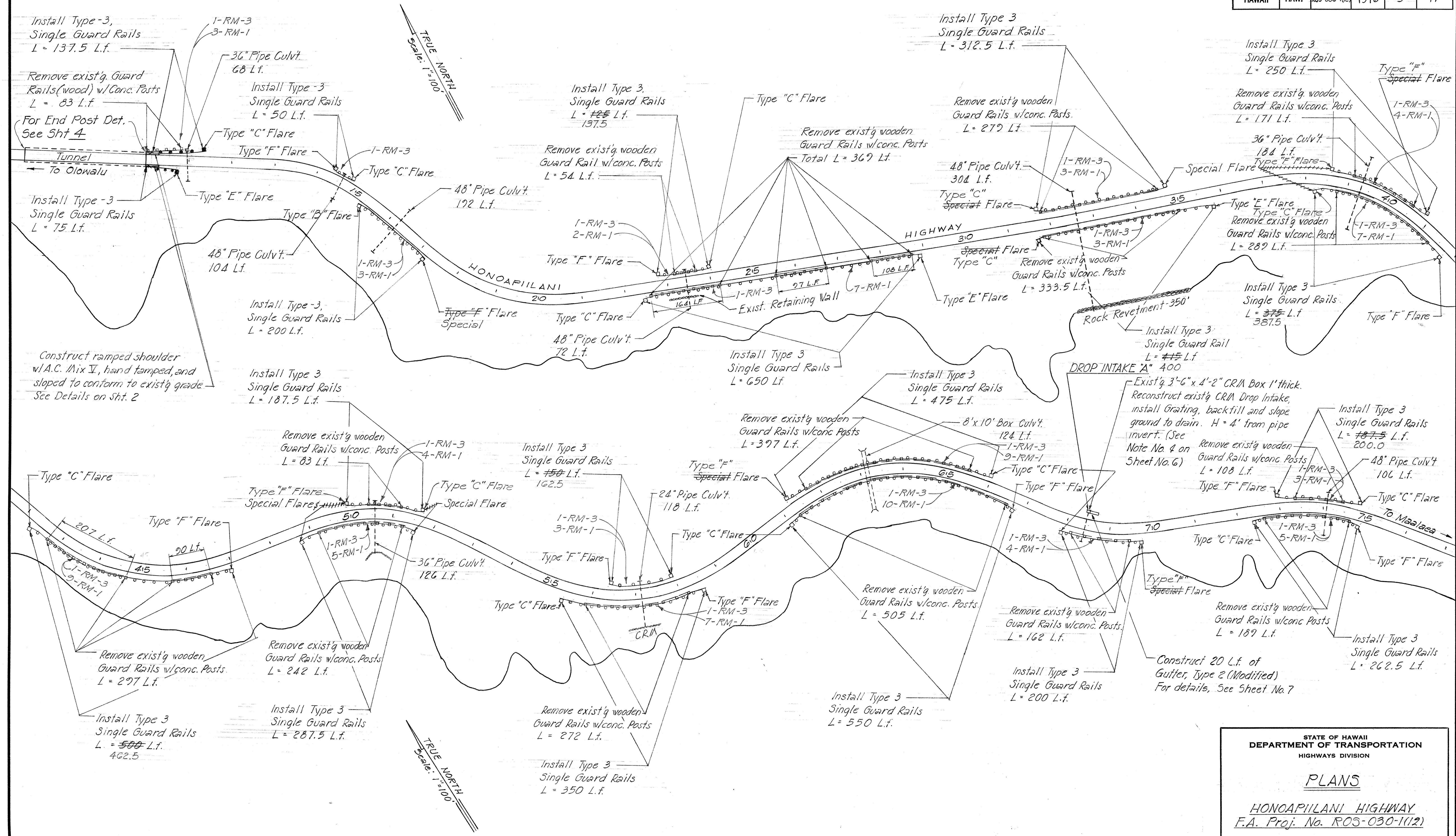
SCALE: AS NOTED JAN. 1976

SHEET NO. OF SHEETS

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

SAFETY IMPROVEMENT FOR PALI TUNNEL

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	R05-030-1(12)	1976	3	17



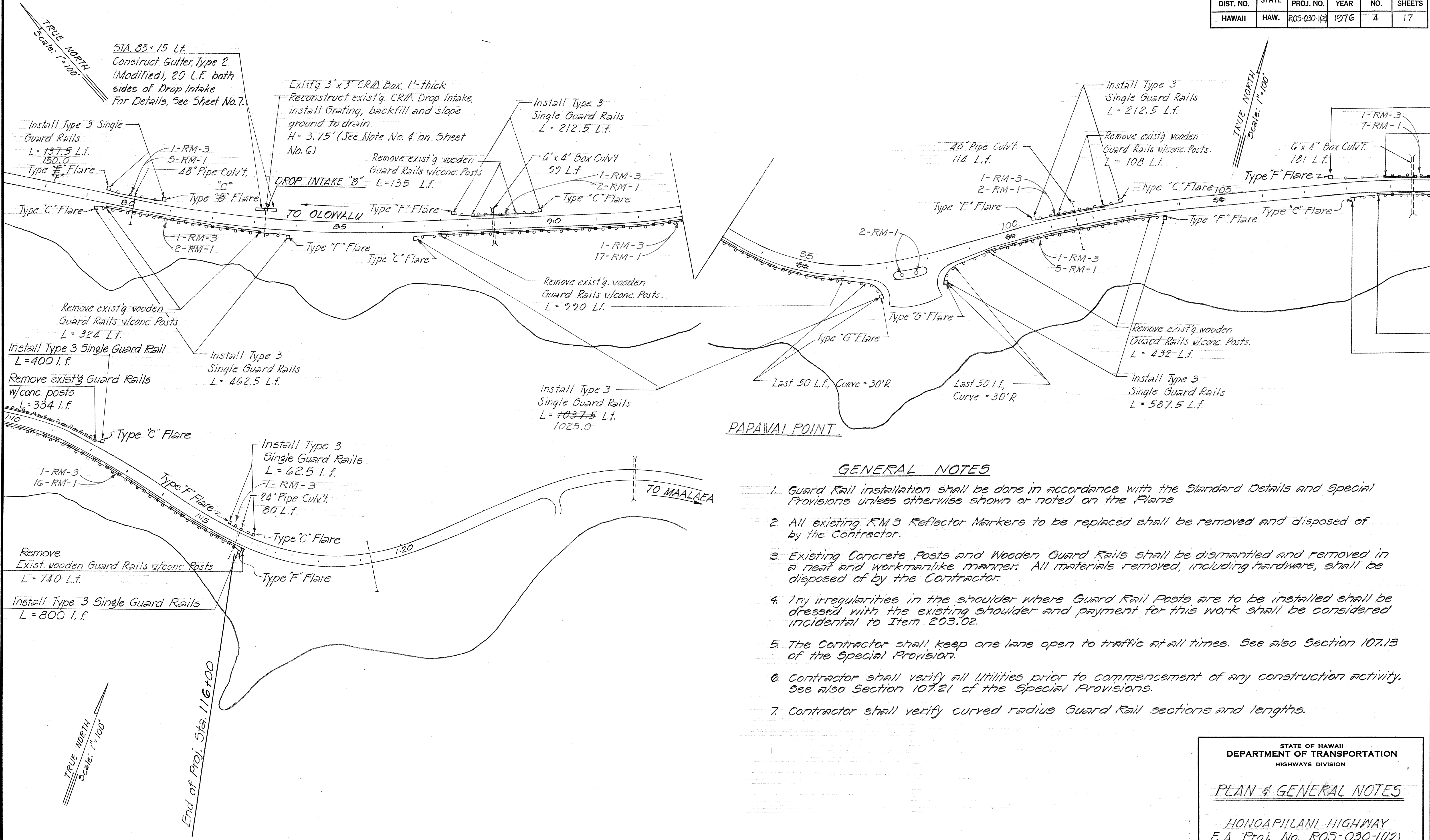
SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
NOTED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLANS
HONOAPIILANI HIGHWAY
F.A. Proj. No. R05-030-1(12)

SCALE: 1" = 100'
SHEET NO. 3 OF 17 SHEETS
JAN, 1976

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	R05-030-112	1976	4	17



GENERAL NOTES

- Guard Rail installation shall be done in accordance with the Standard Details and Special Provisions unless otherwise shown or noted on the Plans.
- All existing RM 3 Reflector Markers to be replaced shall be removed and disposed of by the Contractor.
- Existing Concrete Posts and Wooden Guard Rails shall be dismantled and removed in a neat and workmanlike manner. All materials removed, including hardware, shall be disposed of by the Contractor.
- Any irregularities in the shoulder where Guard Rail Posts are to be installed shall be dressed with the existing shoulder and payment for this work shall be considered incidental to Item 203.02.
- The Contractor shall keep one lane open to traffic at all times. See also Section 107.13 of the Special Provision.
- Contractor shall verify all Utilities prior to commencement of any construction activity. See also Section 107.21 of the Special Provisions.
- Contractor shall verify curved radius Guard Rail sections and lengths.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN & GENERAL NOTES

HONOAPIILANI HIGHWAY
F.A. Proj. No. R05-030-112

SCALE: 1" = 100'
SHEET NO. 4 OF 17 SHEETS
JAN. 1976

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
NOTED BY	
CHECKED BY	
ORIGINAL PLAN	No.