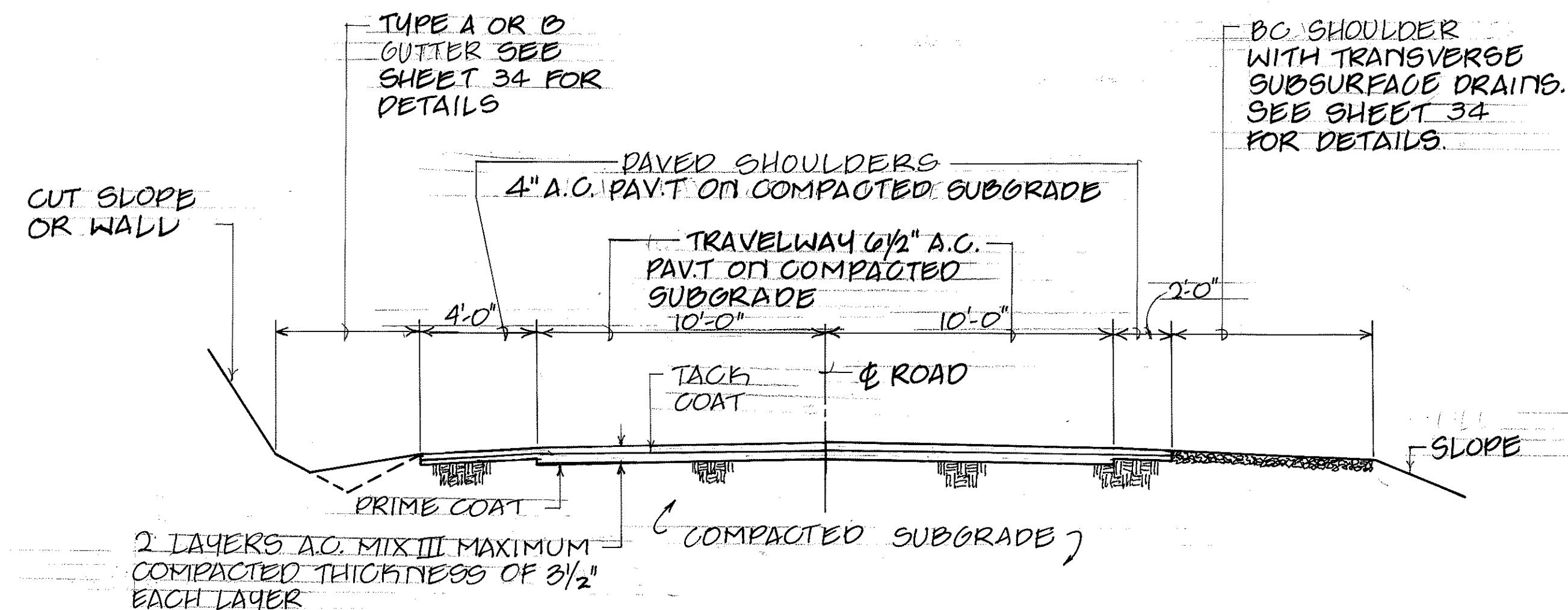
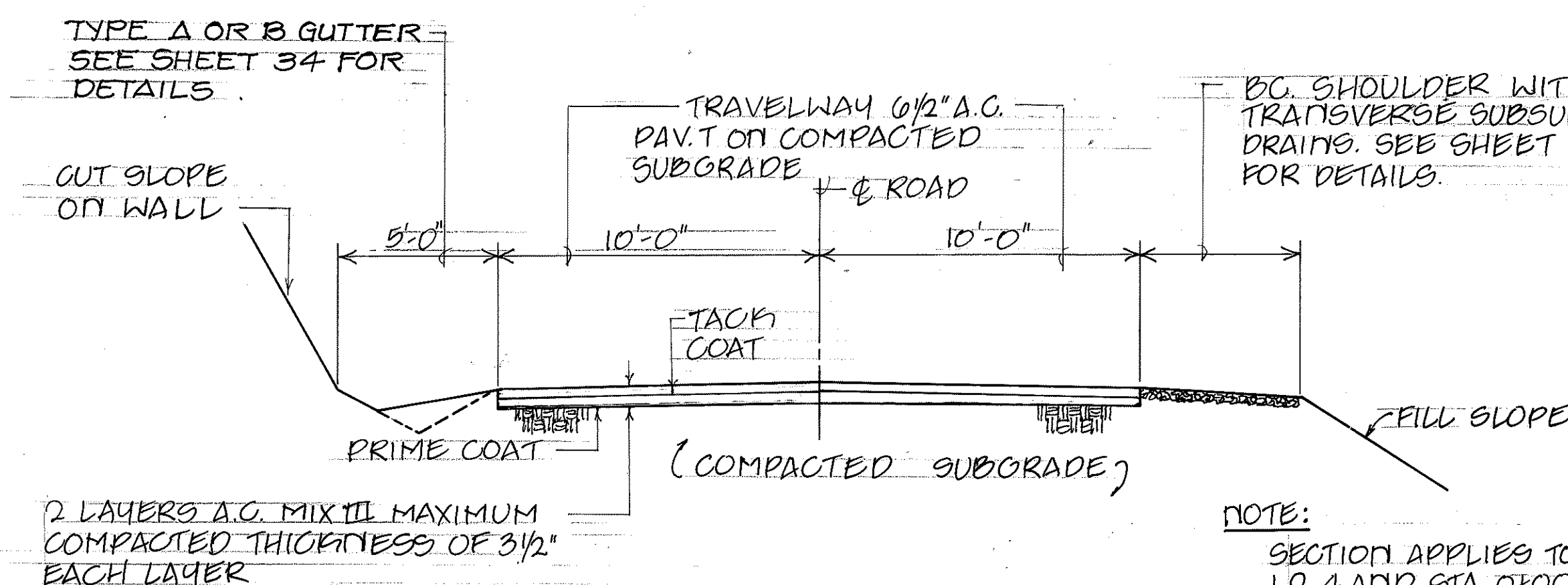


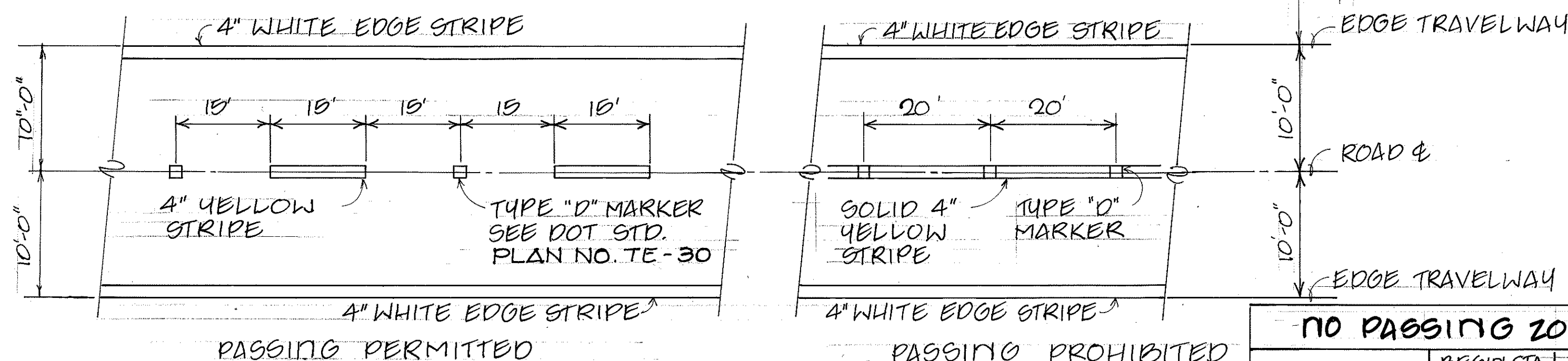
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY.-H-01-86	1987	33	115



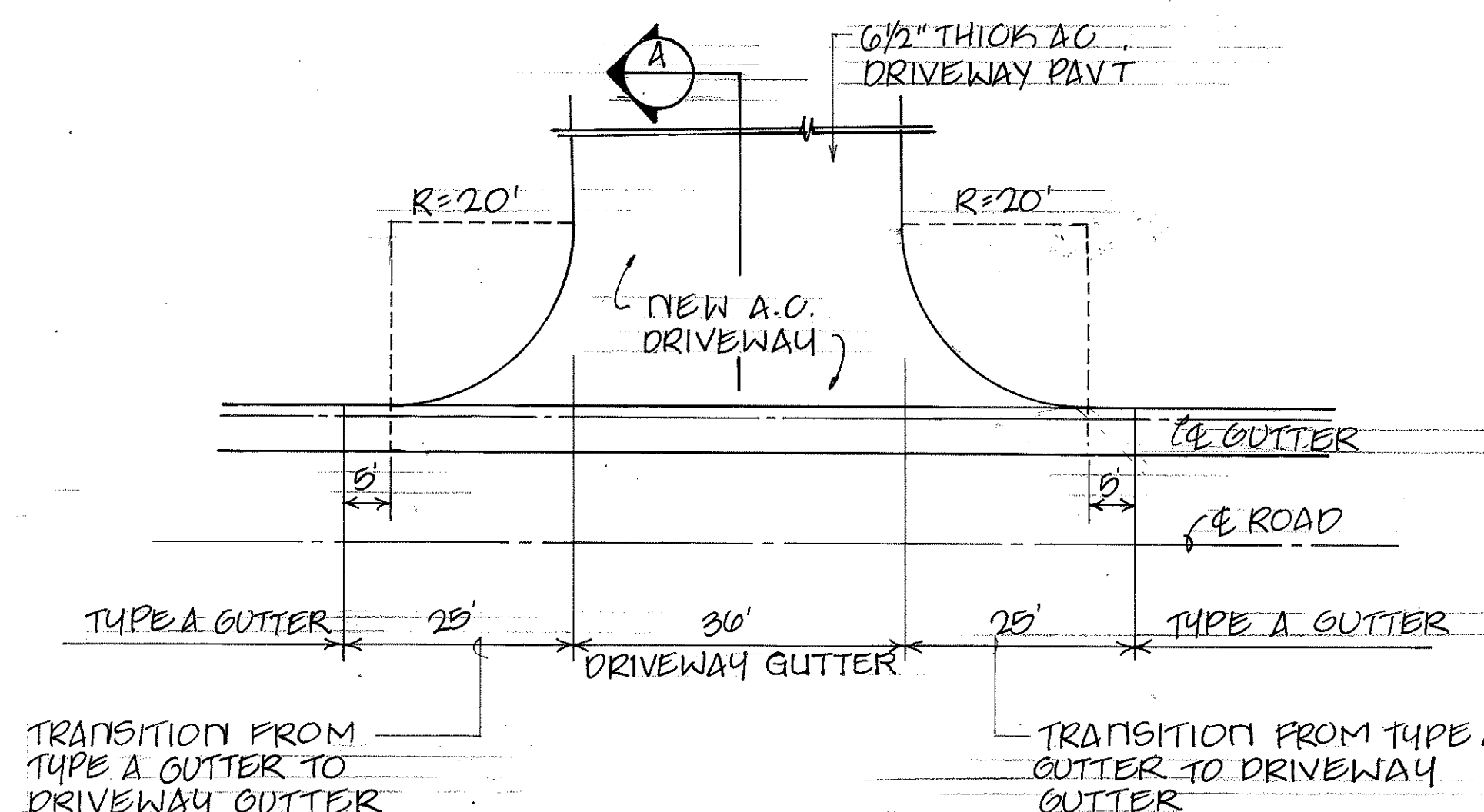
1
33 **TYPICAL PAVEMENT SECTION -**
MAIN ACCESS ROAD
SCALE: 1/4" = 1'-0"



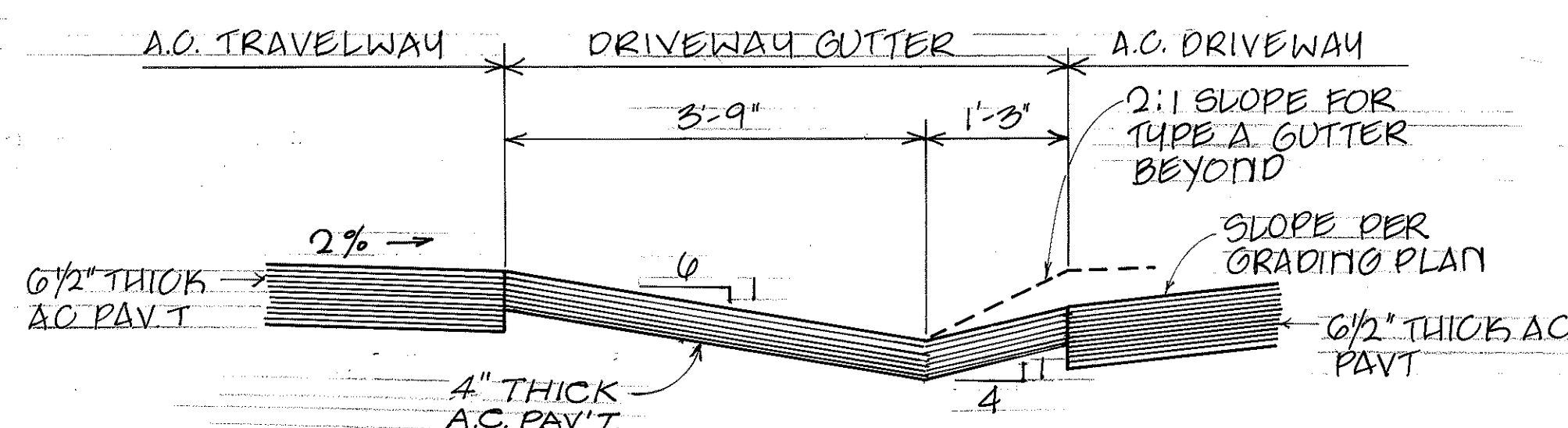
2
33 **TYPICAL PAVEMENT SECTION -**
SPUR ROADS
SCALE: 1/4" = 1'-0"



3
33 **TYPICAL PAVEMENT MARKING DETAIL**
NO SCALE



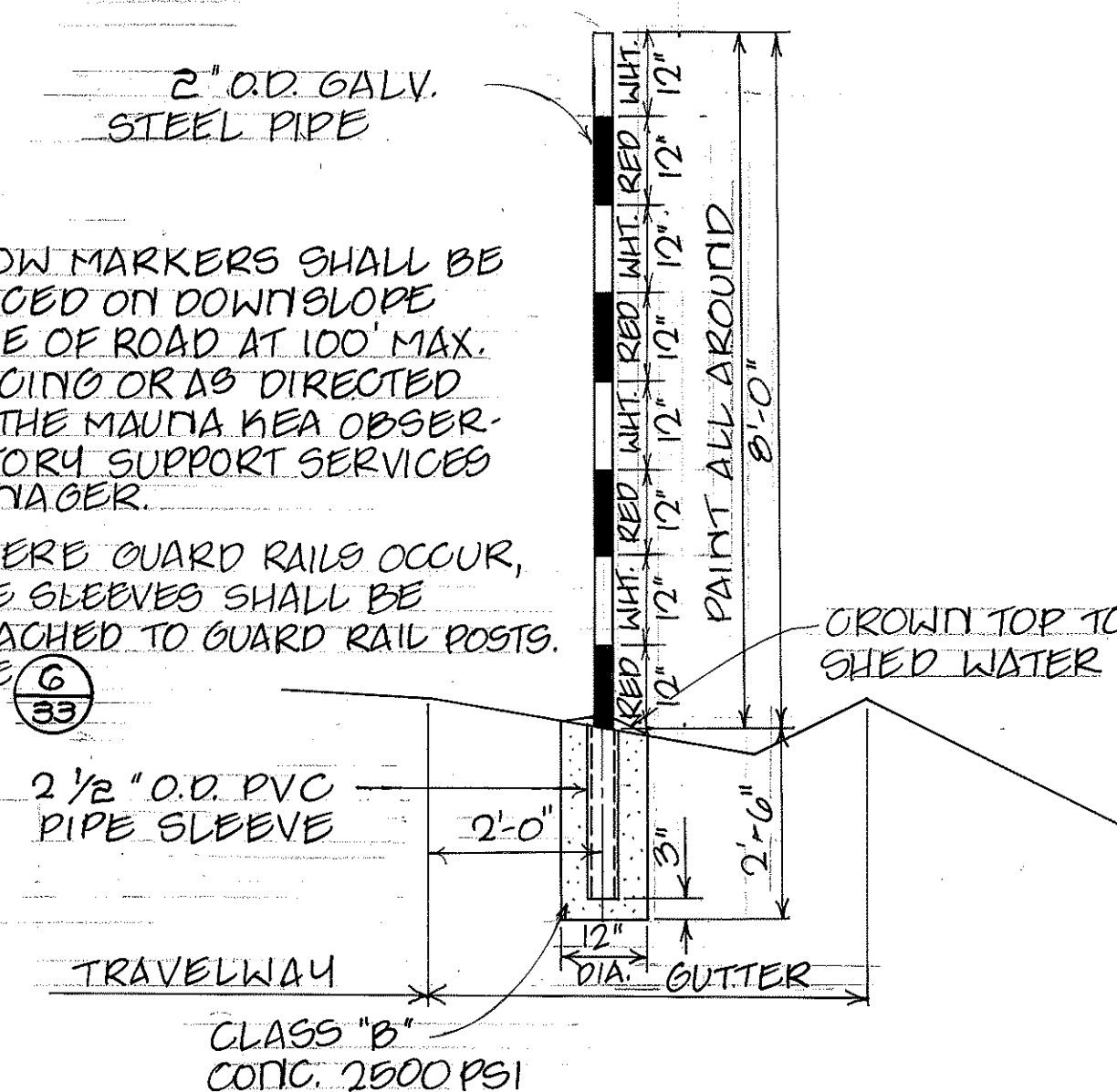
PLAN
SCALE: 1/16" = 1'-0"



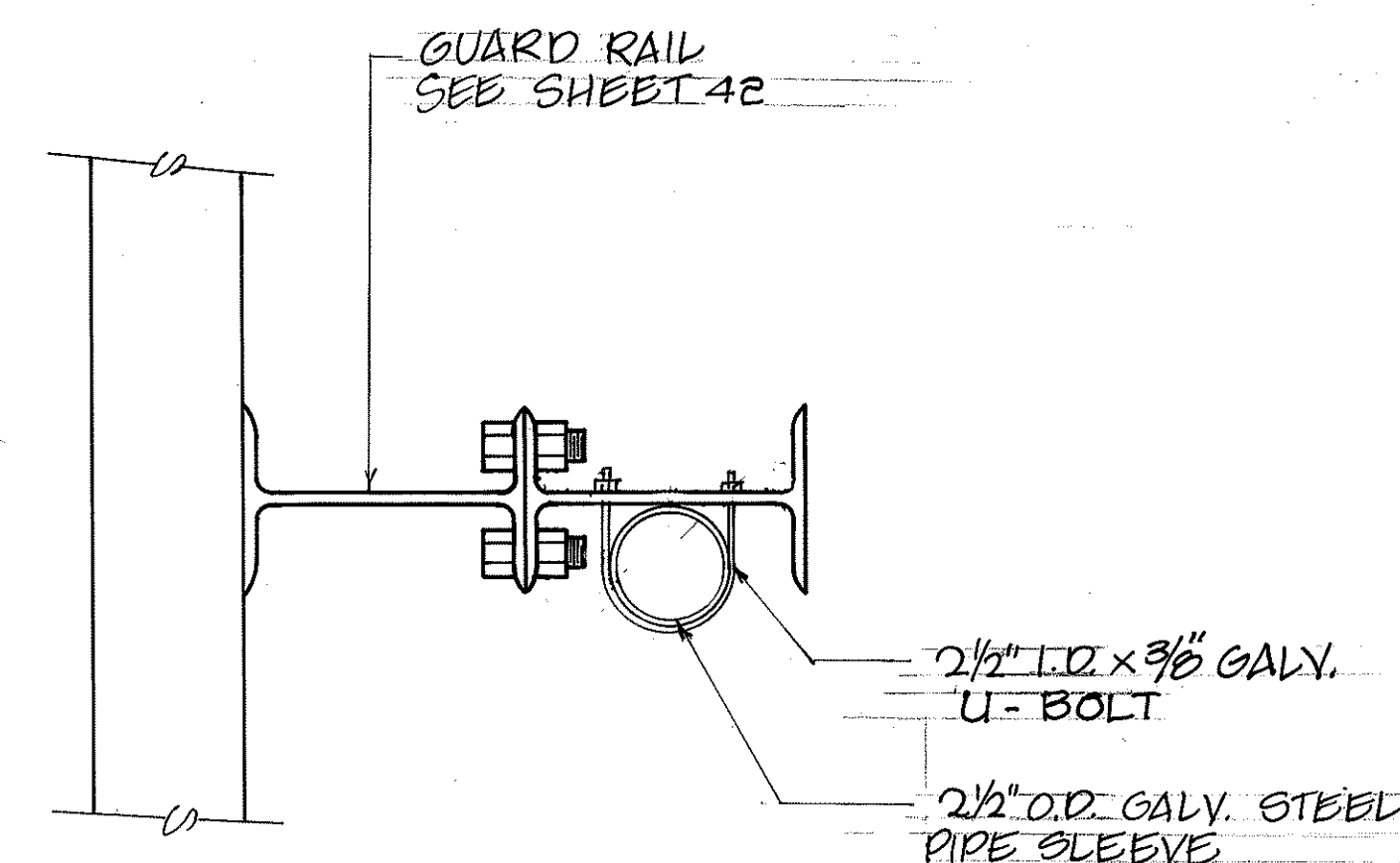
4
33 **DRIVEWAY GUTTER DETAIL**
AS SHOWN

NOTES:

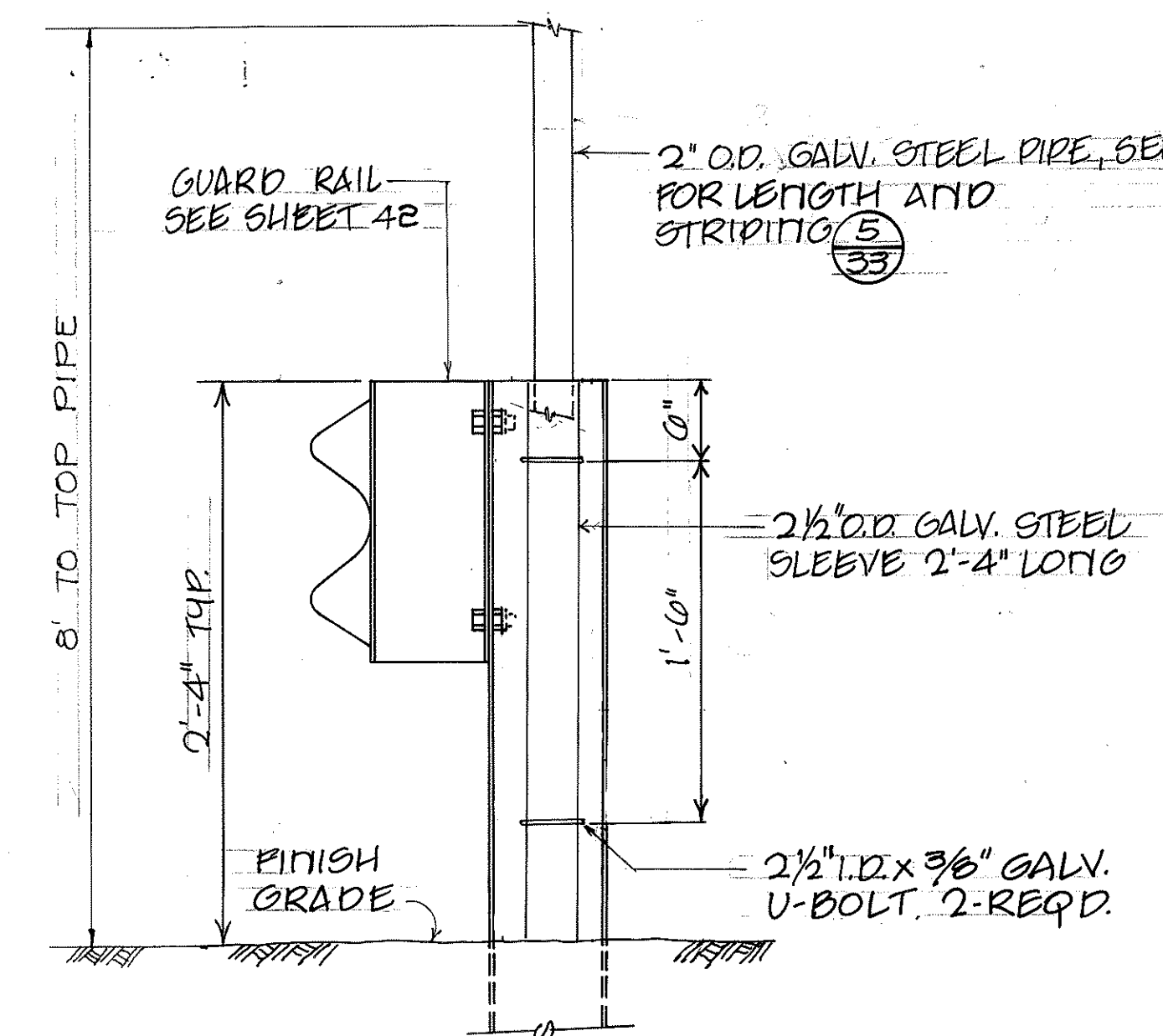
1. SNOW MARKERS SHALL BE PLACED ON DOWNSLOPE SIDE OF ROAD AT 100' MAX. SPACING OR AS DIRECTED BY THE MAUNA KEA OBSERVATORY SUPPORT SERVICES MANAGER.
2. WHERE GUARD RAILS OCCUR, PIPE SLEEVES SHALL BE ATTACHED TO GUARD RAIL POSTS. SEE (6) 33



5
33 **SNOW MARKER DETAIL**
WITHOUT GUARDRAIL
NO SCALE



PLAN
SCALE: 3" = 1'-0"



ELEVATION
SCALE: 1/2" = 1'-0"

6
33 **SNOW MARKER DETAIL**
WITH GUARDRAIL
SCALE: AS SHOWN

ROYCE S. FUKUNAGA
REGISTERED PROFESSIONAL ENGINEER
No. 2107-C
HAWAII, U.S.A.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS DETAILS

MAUNA KEA OBSERVATORY ACCESS ROAD
PHASE I

PROJECT NO. HWY.-H-01-86

SCALE AS SHOWN

SHEET NO. 1 OF 1 SHEETS