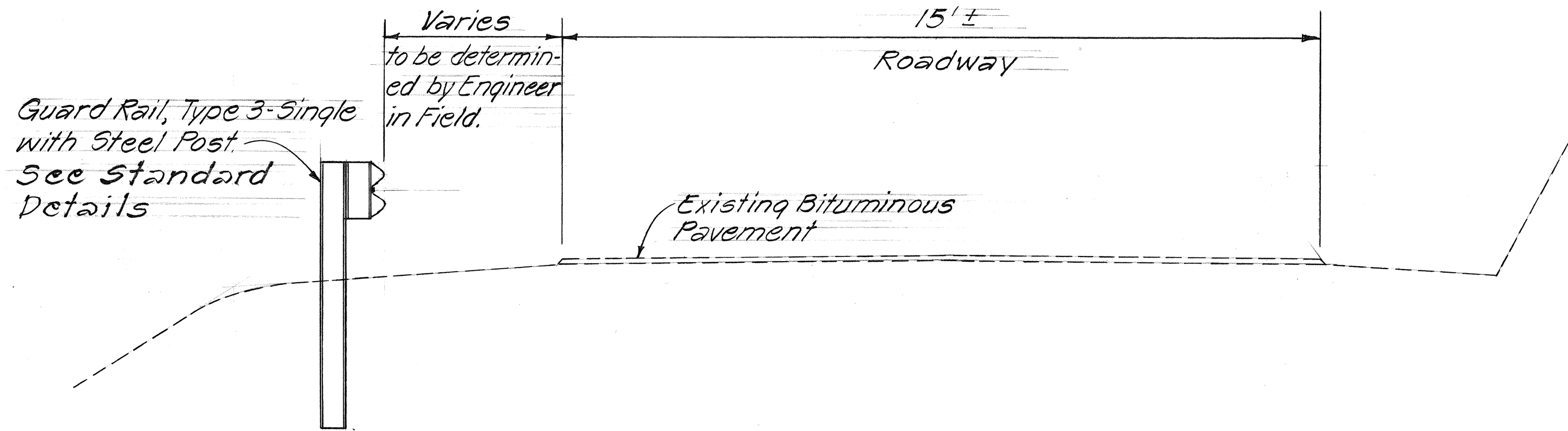


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	440B-02-82	1982	2	8



TYPICAL SECTION
Scale: 1/2"=1'-0"

GENERAL NOTES

1. This project begins at mile point 10.62 on Manele Road, approximately 4.65 miles southerly from Kaunapali Highway and extends toward Manele Bay. Improvement consist of installing metal guard rail and posts with flared end treatments.
2. The Contractor shall keep at least one lane open to public traffic during his working hours and all lanes open to public traffic during his non-working hours. For additional requirements, refer to Subsection 107.13 - Public Convenience and Safety and Section 645 - Traffic Control of the Special Provisions.
3. Shoulder areas will be graded by State Forces prior to the guard rail work. The Contractor shall notify the State Highway District Office - Maui two weeks prior to performing guard rail work.

SCHEDULE FOR GUARD RAIL, TYPE 3-SINGLE W/ STEEL POST				
APPROXIMATE STA. TO STA.	LENGTH (ft.)	END FLARE		
		APPROACH	TRAILING	
47+00 to 50+00 Rt.	300	A	F	
52+50 to 54+50 Lt.	200	C	F	
59+50 to 62+50 Rt.	300	C	F	
66+00 to 70+50 Lt.	450	C	F	
77+00 to 82+00 Rt.	500	C	BCT	
90+50 to 94+00 Rt.	350	BCT	F	
95+00 to 98+00 Lt.	300	C	F	
104+50 to 108+00 Rt.	350	C	F	
109+00 to 111+00 Lt.	200	A	F	
124+00 to 128+00 Lt.	400	BCT	F	
136+00 to 144+50 Lt.	850	C	F	
146+00 to 149+00 Rt.	300	C	F	
152+00 to 154+00 Lt.	200	A	F	
161+00 to 164+00 Rt.	300	C	D	

SCHEDULE FOR GUARD RAIL, TYPE 3-SINGLE W/ STEEL POST				
APPROXIMATE STA. TO STA.	LENGTH (ft.)	END FLARE		
		APPROACH	TRAILING	
46+25 to 50+25 Rt.	400.4	A	D	
51+75 to 53+88 Lt.	212.7	C	F	
51+75 to 53+63 Rt.	188.0	A	F	
59+50 to 63+13 Rt.	362.8	C	F	
67+25 to 70+88 Lt.	362.8	C	F	
76+75 to 82+13 Rt.	537.8	A	D	
90+50 to 98+14 Rt.	763.2	BCT	F	
95+00 to 97+75 Lt.	275.2	C	F	
104+50 to 107+18 Rt.	262.7	C	F	
108+37 to 111+37 Lt.	300.3	A	F	
124+00 to 131+00 Lt.	700.0	BCT	F	
136+00 to 140+88 Lt.	487.8	A	D	
145+50 to 148+50 Rt.	300.3	C	F	
151+00 to 154+25 Lt.	325.3	BCT	F	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION
TYPICAL SECTION
GENERAL NOTES
MANELE ROAD
GUARD RAIL IMPROVEMENTS
Proj. No. 440B-02-82
Scale as noted Date: May, 1982
SHEET NO. OF SHEETS