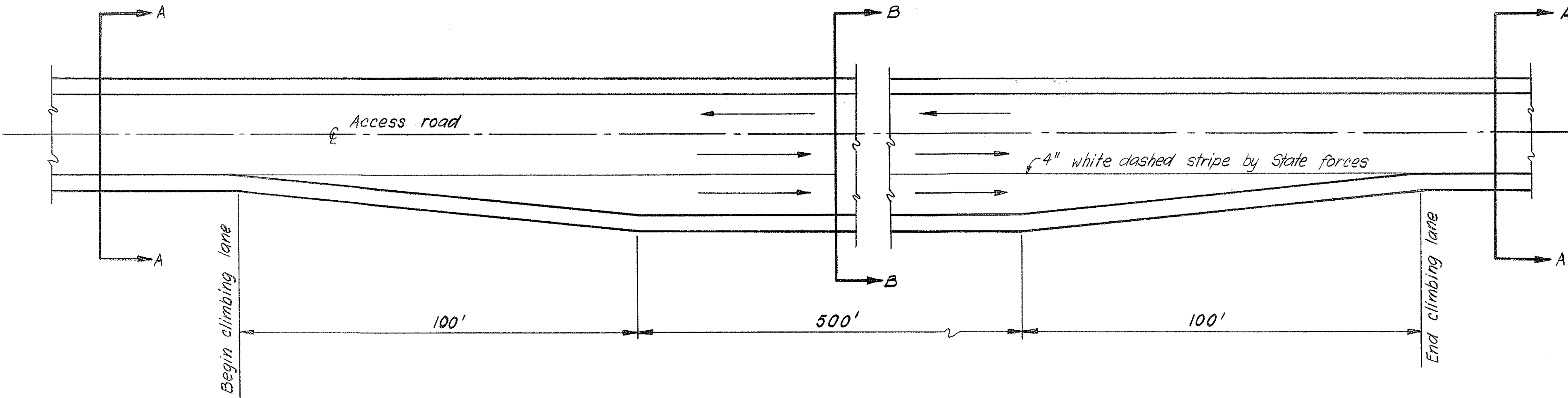


STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAW.	BMD 66-343	FY 71-72	29	88

METAL GUARD RAIL SUMMARY					
STA. TO STA.	STATION TO STATION	LOCATION	LINEAR FEET	END FLARE TYPE (See Notes)	
				LOWER	HIGHER
PT0+46 TO 73+40	PT0+46 TO 73+40	LT	300 302.5	G	B
69+00 TO 73+25	69+00 TO 73+25	RT	425 425.6	B	B
73+50 TO 95+00	93+25 TO 95+25	RT	200 151.1	B	B
94+00 TO 95+50	93+75 TO 95+75	LT	200 151.3	B	B
107+25 TO KR0+35	109+00 TO KR0+35	RT	200 352.4	B	G
110+00 TO 111+88	109+75 TO 111+75	LT	200 189.0	B	B
112+35 TO 114+85	128+10 TO HT0+46	LF RT	550 251.1	B	G B
126+60 TO HT0+46	HT0+46 TO 133+40	LT	200 502.8	G B	G
HT0+46 TO 132+50	125+75 TO 134+50	RF LT	375 140.0	B G	B
126+00 TO 135+00	158+00 TO 162+50	LF RT	450 900.9	B	B
158+00 TO 164+30	171+50 TO 174+50	LT	300 663.7	B	B
171+60 TO 175+33	158+00 TO 177+00	RF LT	1900 376.0	B	G B
158+00 TO 176+00	186+75 TO 188+75	RT	200 182.1	B	B
186+75 TO 188+75	187+50 TO 195+00	LF RT	750 201.2	G B	G B
188+00 TO 195+00	199+50 TO HR0+46	LT	200 702.0	G B	G B
199+50 TO HR0+46	HR0+46 TO 207+05	LT	575 202.5	G B	G
HR0+46 TO 208+55	200+75 TO 207+00	RF LT	685 741.4	G G	B
200+62 TO 207+57	228+50 TO 230+50	LF RT	200 609.8	B C	G B
228+75 TO 230+40	FR0+46 TO 232+40	RF LT	550 165.2	G B	G C
FR0+46 TO 233+15	240+25 TO 245+00	LF RT	475 639.6	G G	B
240+50 TO 244+70	250+75 TO 252+75	LT	200 452.5	B	B
251+00 TO 255+50	240+00 TO 250+00	RF LT	1000 251.8	B	G B
240+00 TO 259+30	271+00 TO 287+75	LF RT	1075 1938.7	B	B
270+25 TO 283+62	272+00 TO 279+50	RF LT	750 1366.0	B	B
270+75 TO 280+25	289+00 TO 291+75	LF RT	275 951.7	G B	B
289+25 TO 292+50	299+75 TO 291+75	RF LT	200 327.2	G B	B
290+50 TO 292+50	307+25 TO 309+25	LF RT	200 201.3	G B	B
307+50 TO 390+00	303+75 TO 310+75	RF LT	700 151.6	B	B
302+25 TO 312+00	PK0+46 TO 401+45	LF RT	450 976.7	G B	B
PK0+46 TO 400+70	318+00 TO JT0+46	RF LT	600 377.0	B G	G B
317+75 TO JT0+46		RT	627.7	B	G

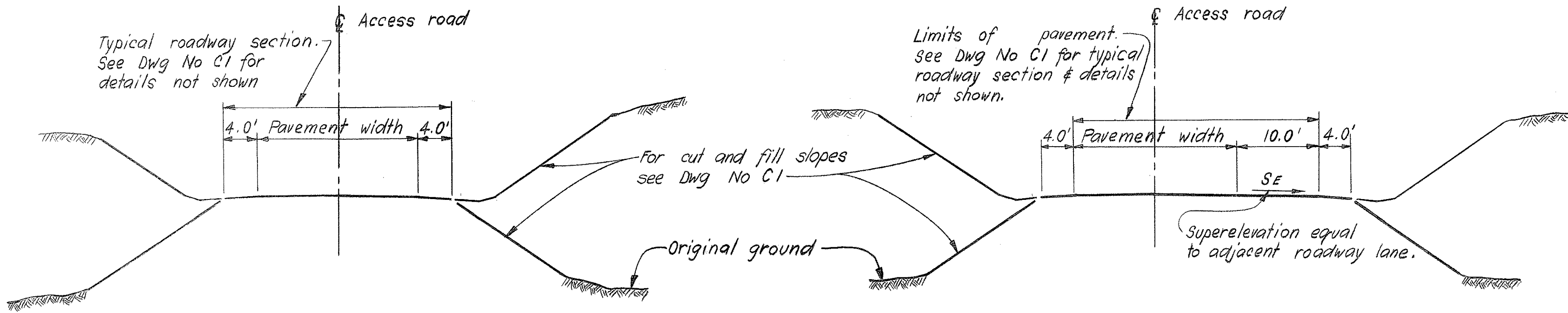
NOTES

1. Metal Guard Rail shall be Type 3 - Single.
2. For Metal Guard Rail details see Standard Details Dwg No DT 500, DT 501, DT 518, DT 517, DT 519, DT 520.
3. All Metal Guard Rail installations shall have Approach End Flares at both approach end and trailing end, except those with Type G Trailing End Flares.
4. Type G Flares shall be used only at the Metal Guard Rail ends which are off the Access Road at the PT, KR, HT, HR, FR, PK and JT Lines.
5. Lower end refers to the end of the Metal Guard Rail installation having lower stationing. Higher end refers to the end having higher stationing.



CLIMBING LANE PLAN

SCALE : 1" = 20'



SECTION A

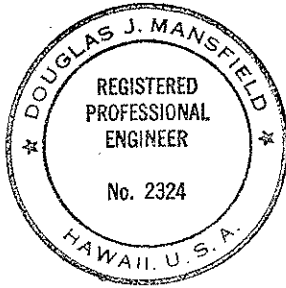
SCALE : 1" = 10'

SECTION B

SCALE : 1" = 10'

CLIMBING LANE LOCATION		
NO.	BEGIN STATION	END STATION
1	137+50 RT	144+50 RT
2	302+75 RT	309+75 RT

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
CHECKED BY	
NOTE BOOK	
NO.	



This work was prepared by me or under my supervision.

D. Mansfield

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CLIMBING LANE DETAILS
AND GUARD RAIL SUMMARY

MAUNA KEA OBSERVATORY ACCESS ROAD

PROJ. NO. BMD 66 - 343

REVISD : SEP. 1972
DATE : MARCH 1972