

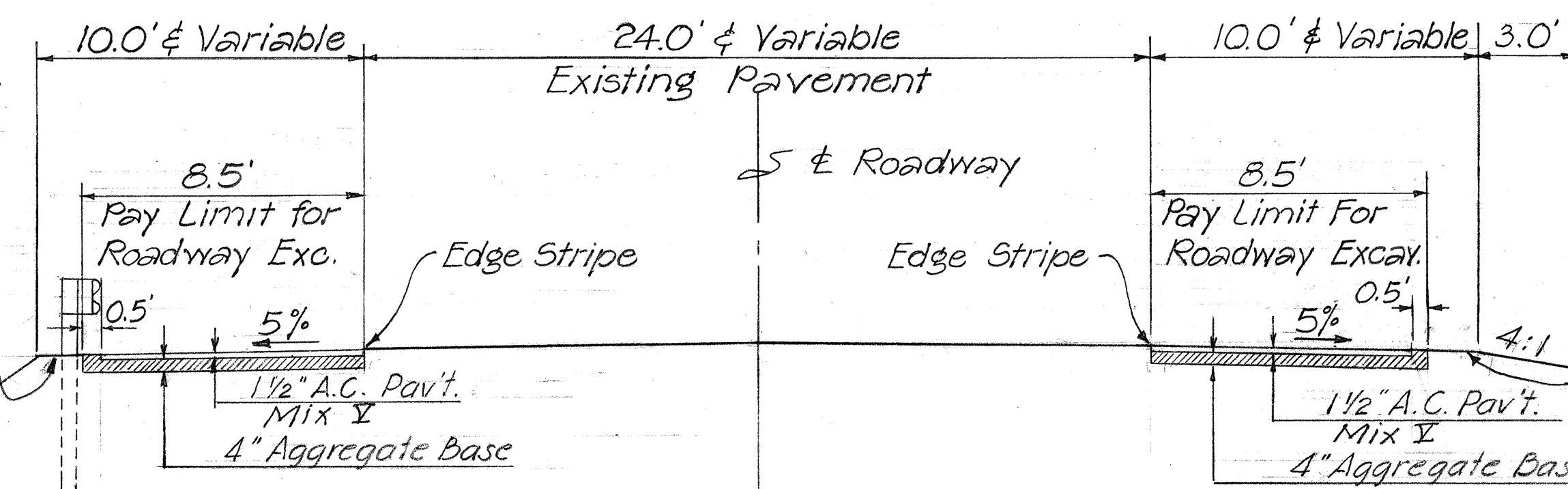
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ROS-030-1(2)	1976	5	17

GUARD RAIL SUMMARY

(APPROXIMATE) STATION TO STATION	REMOVE WOODEN RAILS W/CONC. POSTS (L.F.)	INSTALL TYPE-3 SINGLE GUARD RAILS (L.F.)	ANCHOR BLOCKS		REMARKS
			APPR.	TRAIL'G	
7+15-6+40L		75	Conc. End Post	Type "F"	
7+15-4+15R	276	300	Type "C"	Conc. End Post	
10+00-10+75R		75	Conc. End Post	Type "E"	
10+00-11+75L	83	137.5	Type "C"	Conc. End Post	
14+25-14+65L		50	Type "C"	Type "F"	
15+25-17+25R		200	Type "B"	Special Type "F"	
22+25-28+75R	367	650	Type "C"	Type "E"	
22+65-23+90L	54	137.5 137.5	Type "C"	Type "F"	
31+30-35+45R	333.5	400 415	Type "C"	Type "E"	
31+77.5-34+90L	277	312.5	Special Flare	Special Type "C"	
37+90-41+65R	287	387.5 375	Type "C"	Special Flare	
38+35-40+75L	171	250	Type "F"	Type "F"	
42+25-47+15R	277	462.5 500	Type "C"	Type "F"	
48+87.5-51+75R	242	287.5	Special Flare	Special Flare	
49+87.5-51+75L	83	187.5	Type "C"	Type "F"	
53+00-58+50R	272	350	Type "C"	Type "F"	
56+45-57+95L		162.5 150	Type "C"	Type "F"	
61+15-65+90L	377	475	Type "C"	Special Flare	
61+25-66+75R	505	550	Type "C"	Type "F"	
67+85-69+85R	162	200	Type "C"	Special Flare	
68+40L					Reconst. CRMA Box. Exist, 3'-6" x 4'-2" inside dim. Install Grating.
72+42.5-75+05R	187	262.5	Type "C"	Type "F"	
73+17.5-75+05L	108	200.0 187.5	Type "C"	Type "F"	
79+22.5-83+85R	324	462.5	Type "C"	Type "F"	
79+57.5-80+95L		150.0 137.5	Type "C"	Type "F"	
83+15L					Reconst. CRMA Box. Exist, 3' x 3' inside dim. Install Grating.
86+52.5-96+90R	770	1025.0 1037.5	Type "C"	Type "G"	Includes 50 L.f. R=30'
87+52.5-89+65L	135	212.5	Type "C"	Type "F"	
97+62.5-103+50R	432	587.5	Type "G"	Type "F"	Includes 50 L.f. R=30'
100+52-102+64.5L	108	212.5	Type "C"	Type "E"	
107+25-111+25L	334	400	Type "C"	Type "F"	
107+65-115+65R	740	800	Type "C"	Type "F"	
115+02.5-115+65L		62.5	Type "C"	Type "F"	
TOTAL	7172.5	10,027.5	Conc. End Post - 4 Type "B" - 2 Type "C" - 20 Type "E" - 5 Type "F" - 17 Type "G" - 2 Special Flare - 12		

Shoulder to be dressed to this line and payment for the work shall be incidental to Item 203.02 Roadway Excavation

Exist's Fill Slope

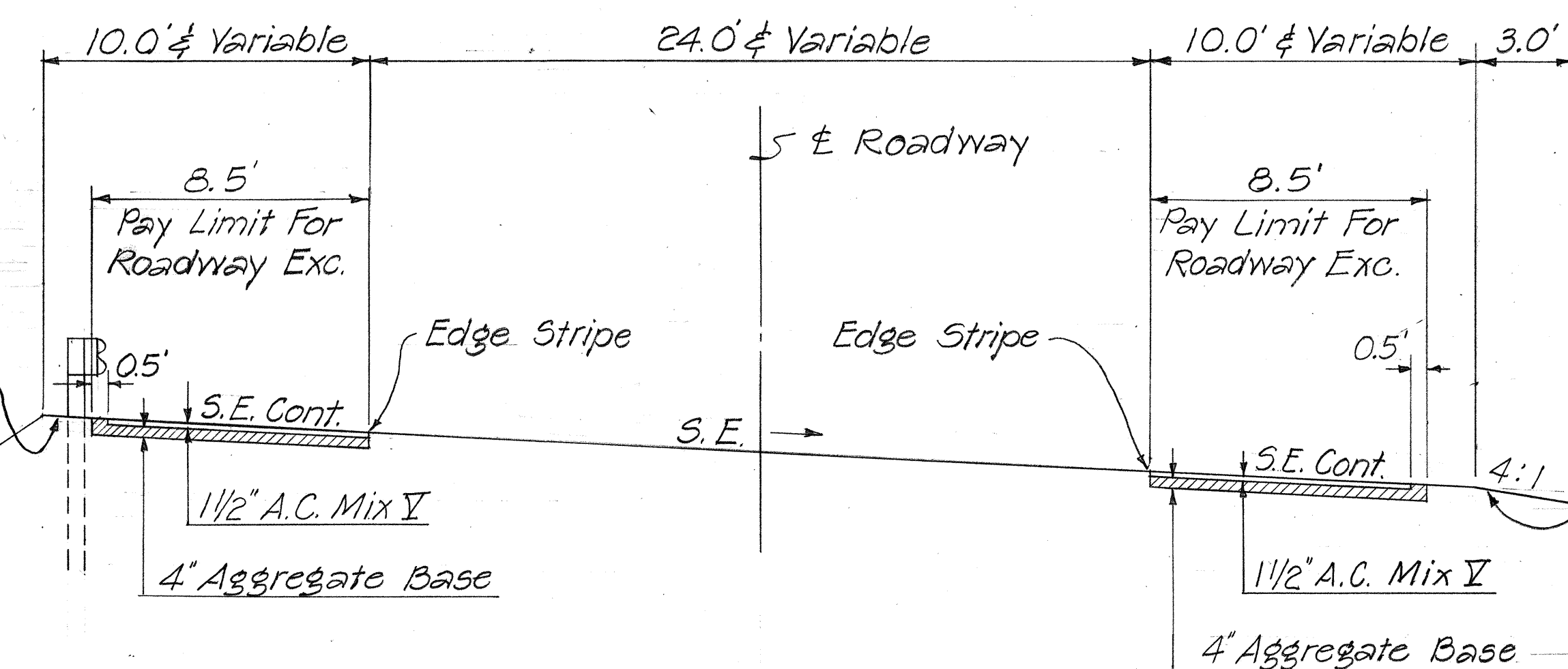


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TYPICAL SECTION ON TANGENT Scale: 1/4" = 1'-0"

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Exist's Fill Slope



Shoulder to be dressed to this line and payment for the work shall be incidental to Item 203.02 Roadway Excavation.

NOTE:
On high side of superelevated sections, shoulder slope shall be continuous with the pavement slope, when the slope equals or exceeds 0%. Shoulder slope on the low side shall be 5%.

TYPICAL SECTION ON SUPERELEVATION Scale: 1/4" = 1'-0"

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
TYPICAL SECTION & SUMMARY	
HONOLULU HIGHWAY	
F.A. Proj. No. ROS-030-1(12)	
SCALE: AS NOTED	JAN. 1976
SHEET NO. 1 OF 1 SHEETS	