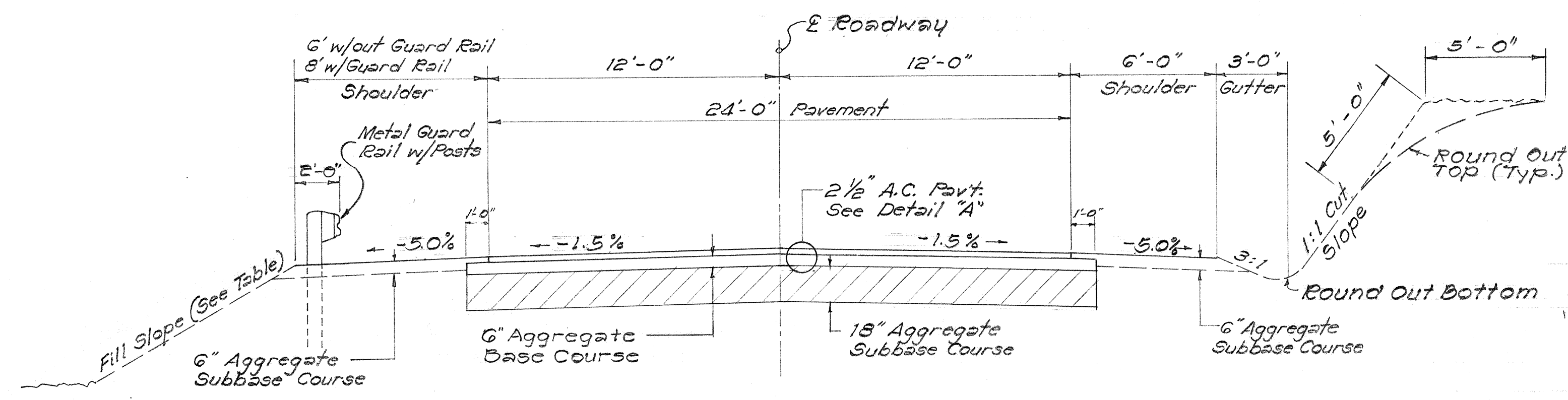
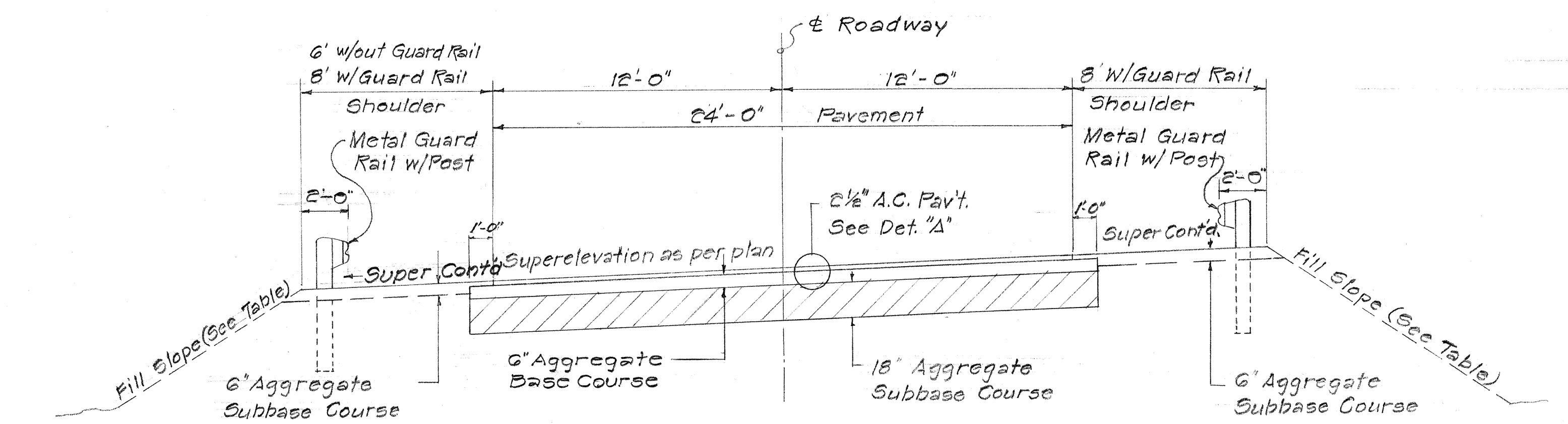


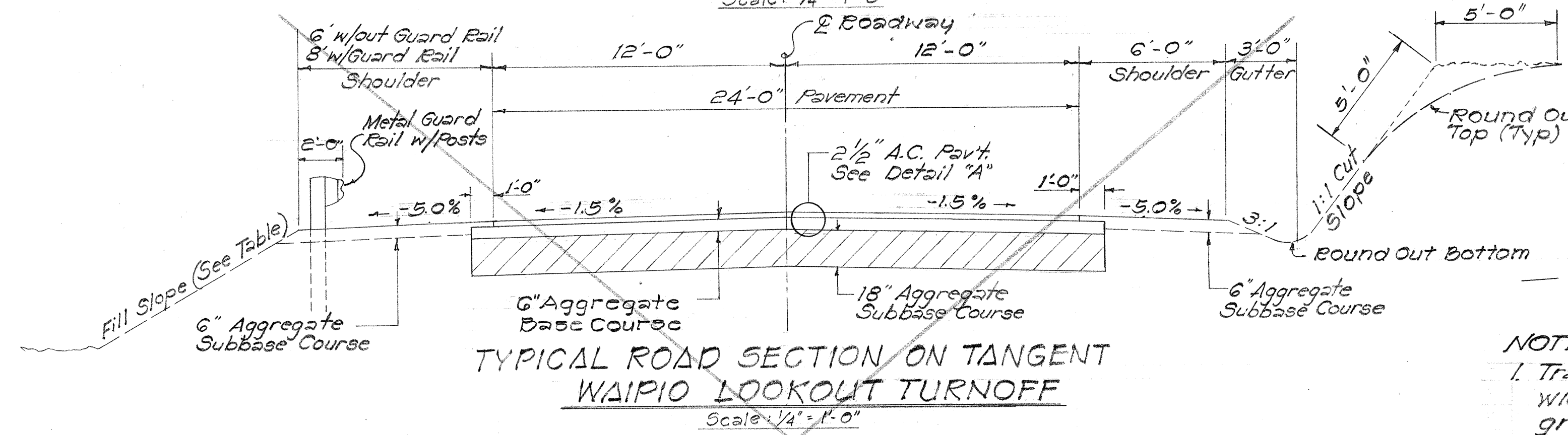
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	240A-01-71 UNIT 1	1977	2	55



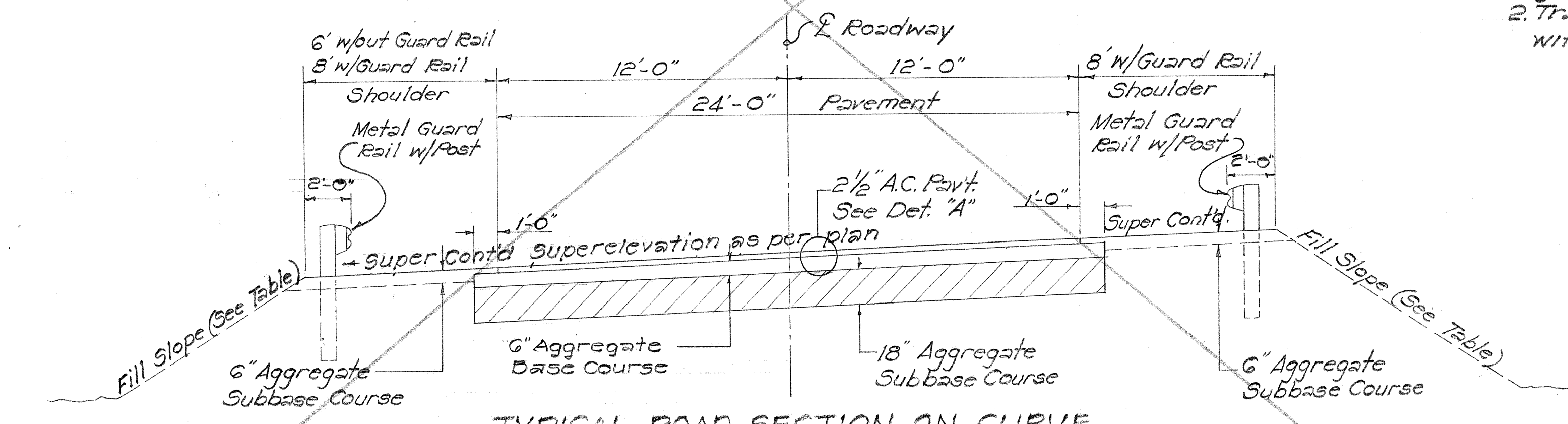
TYPICAL ROAD SECTION ON TANGENT
Scale: 1/4" = 1'-0"



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



TYPICAL ROAD SECTION ON TANGENT
WAIPIO LOOKOUT TURNOFF
Scale: 1/4" = 1'-0"



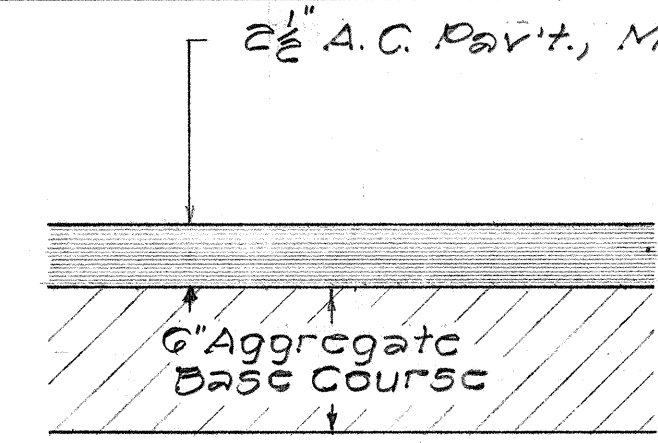
TYPICAL ROAD SECTION ON CURVE
WAIPIO LOOKOUT TURNOFF
Scale: 1/4" = 1'-0"

FILL SLOPE TABLE

Height of Fill	Fill Slope
0 - 4'	4:1
4' - 10'	3:1 to 2:1
10' - Over	1 1/2:1

R/W Requirement Supersedes above Table

FROM	TO	LENGTH	REMARKS
Left Side			
142+40	145+55	220.1	142+40 BCT 145+55 Type C
156+00	158+25	201.5	156+00 BCT 158+25 Type C
158+25	163+20	376.5	158+25 BCT 163+20 BCT
163+75	167+20	364.0	163+75 BCT 167+20 BCT
Along Sd. Conn 172+00		21.6	
Right Side			
157+15	158+40	102.6	157+15 BCT 158+40 Type F
158+20	163+05	390.1	158+20 Type C 163+05 BCT
163+55	165+00	88.7	163+55 BCT 165+00 BCT



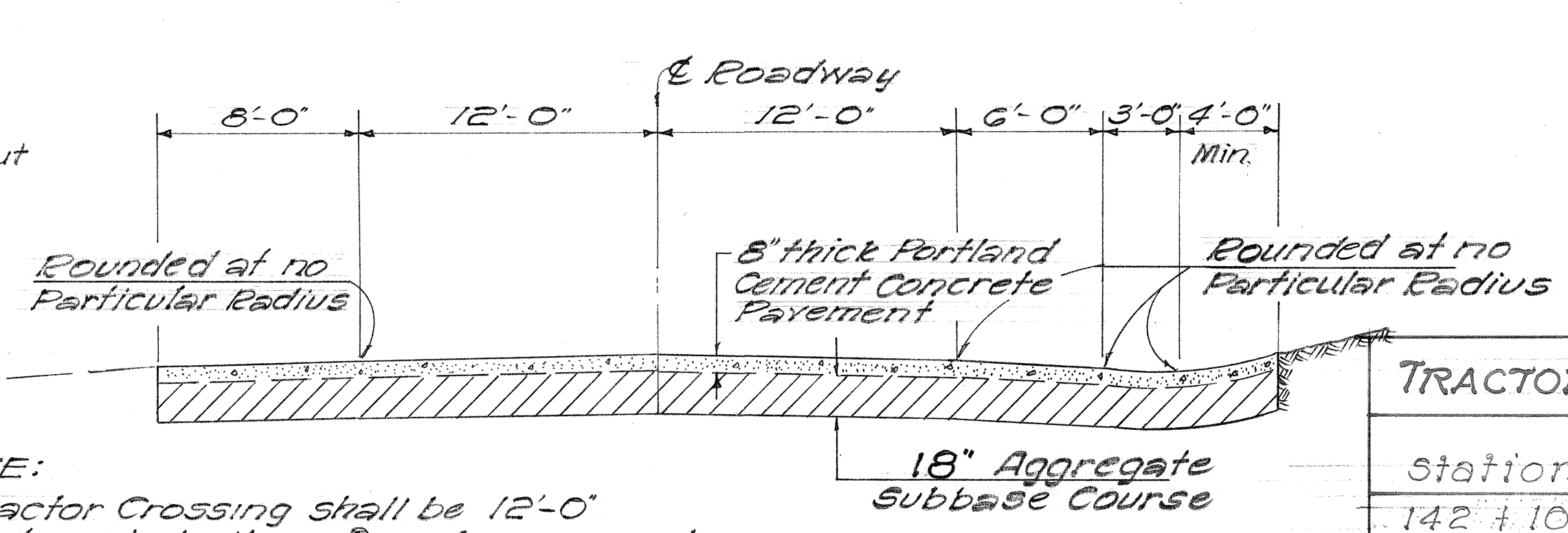
DETAIL "A"
Scale: 1 1/2" = 1'-0"

GUARD RAIL SCHEDULE

FROM	TO	LENGTH	REMARKS
Left Side			
111+25	116+25	505'	111+25 Type E 116+25 Type B
116+20	118+00	110'	116+20 Type E 118+00 Type C
121+50	123+75	225'	121+50 Type E 123+75 Type C
127+25	130+35	315'	127+25 Type E 130+35 Type C
132+75	134+50	175'	132+75 Type E 134+50 Type B
142+25	145+35	310'	142+25 Type E 145+35 Type C
155+75	158+25	250'	155+75 Type E 158+25 Type C
159+25	162+75	280'	159+25 Type E 162+75 Type B
163+10	167+50	460'	163+10 Type E 167+50 Type B
Right Side			
113+75	115+20	220'	113+75 Type B 115+20 Type E
116+20	117+75	155'	116+20 Type B 117+75 Type F
120+85	122+50	165'	120+85 Type C 122+50 Type E
127+50	130+35	285'	127+50 Type B 130+35 Type F
142+50	144+50	200'	142+50 Type B 144+50 Type E
157+25	158+20	115'	157+25 Type B 158+20 Type F
159+25	162+75	350'	159+25 Type B 162+75 Type E
163+30	164+75	160'	163+30 Type B 164+75 Type E

WAIPIO LOOKOUT TURNOFF

Left Side				
16+75	2+70 Side Rd.	220'	16+75 Type E	2+70 Type B
17+20	12+60	120'	17+20 Type E	12+60 Type B
Right Side				
17+50	18+25	70'	17+50 Type B	18+25 Type E



TYPICAL SECTION OF TRACTOR CROSSING
Scale: 3/16" = 1'-0"

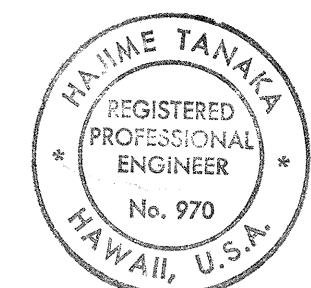
- NOTE:
1. Tractor Crossing shall be 12'-0" wide and shall conform to pavement grade, crown and shoulder slope.
 2. Tractor Crossing to be reinforced with 6x6x6 Ga wire mesh reinforcement.

TRACTOR CROSSING SCHEDULE

Station	Length	Width	Concrete Quantities C.Y.
142+10	52.5	12	15.6
155+40	43.0	12	12.8
158+40	41.0	12	12.2
163+05	41.3	12	12.3
178+42	42.1	12	12.5

TRACTOR CROSSING SCHEDULE

Station	Length	Width	Concrete Quantities C.Y.
16+50 WAIPIO TURNOFF	45'	12'	13.3
116+10	55'	12'	16.3
126+82	46'	12'	13.6
140+85	50'	12'	14.8
146+82	50'	12'	14.8
158+83	47'	12'	13.2
178+42	50'	12'	14.6



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL ROADWAY AND
TRACTOR CROSSING SECTIONS
AND DETAILS

HONOKAA-WAIPIO ROAD Proj. No. 240A-01-71
Unit 1

SHEET No. 1 OF 1 SHEETS

DATE	
ORIGINAL PLAN	
DRAWN BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
NO.	