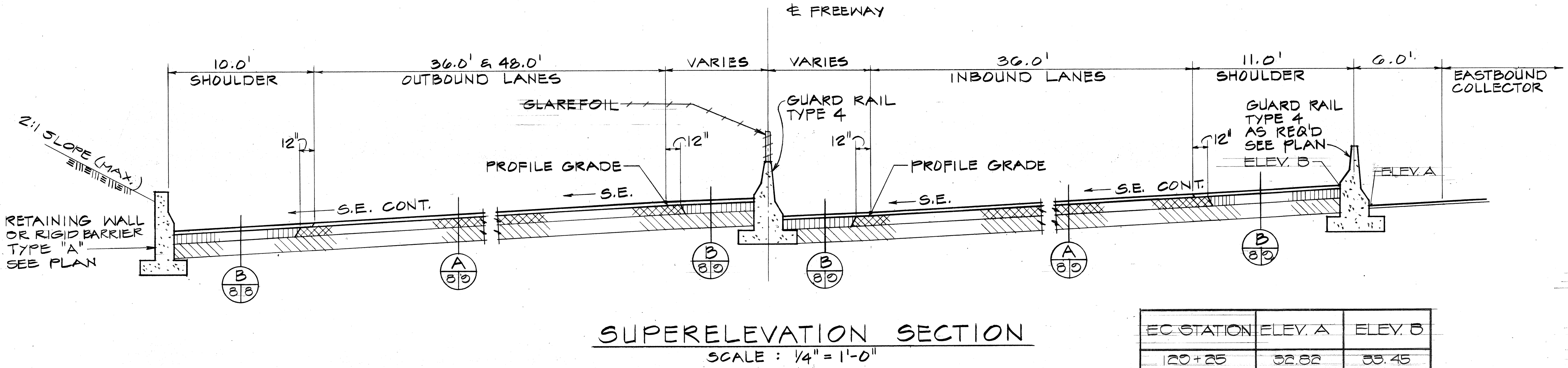
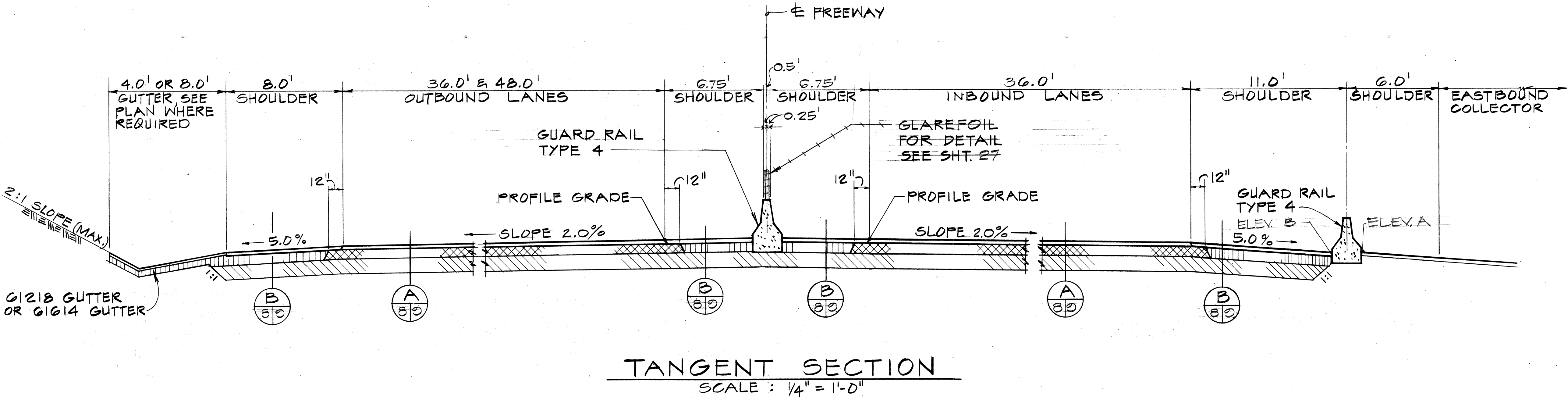


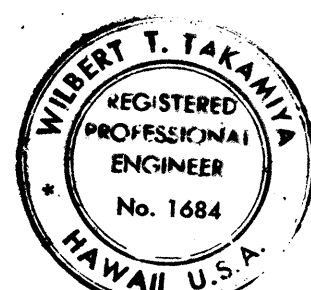
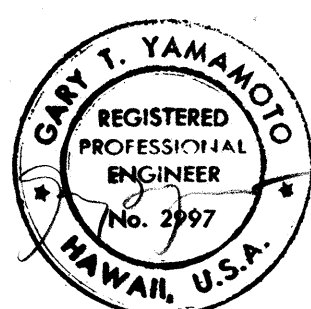
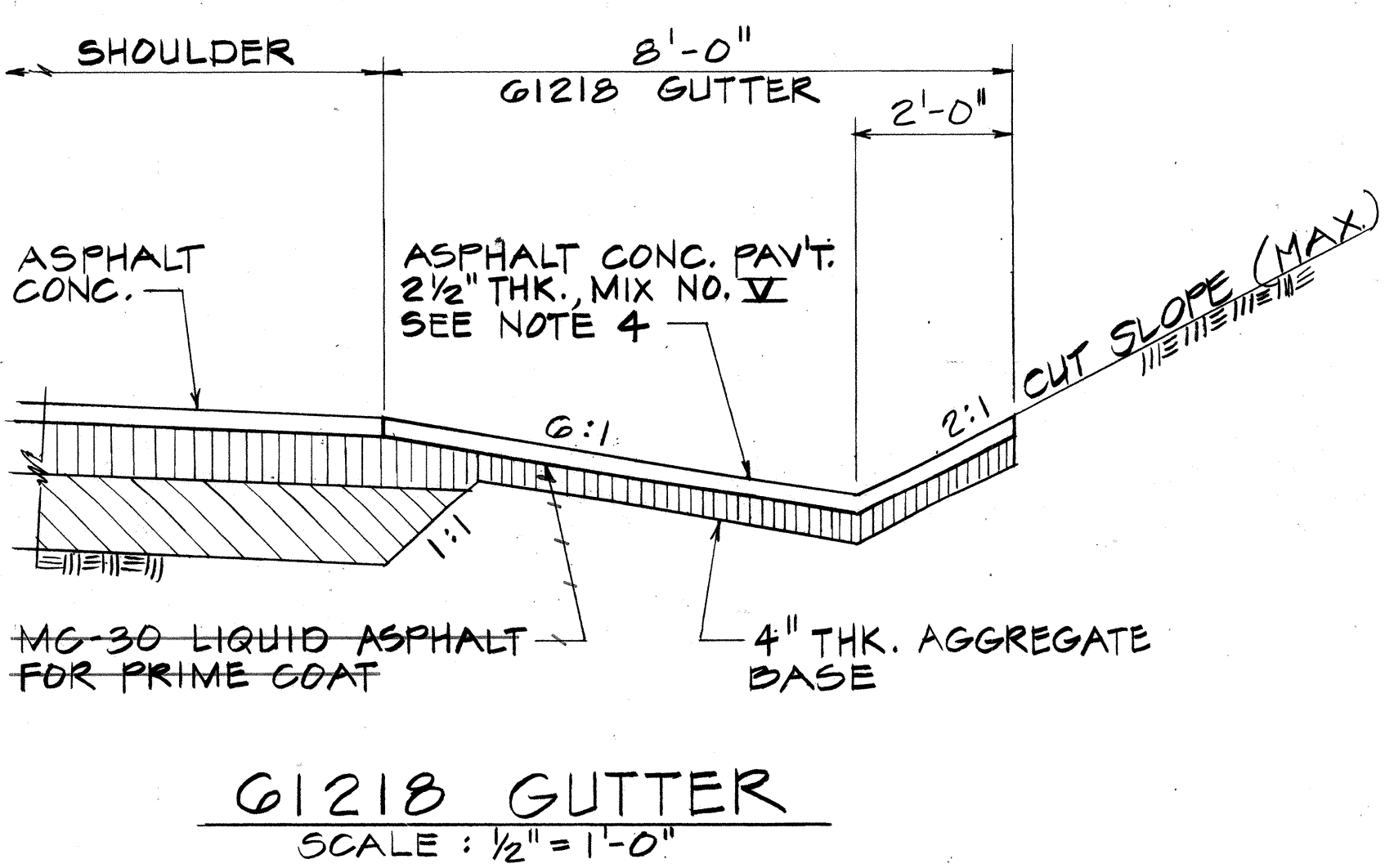
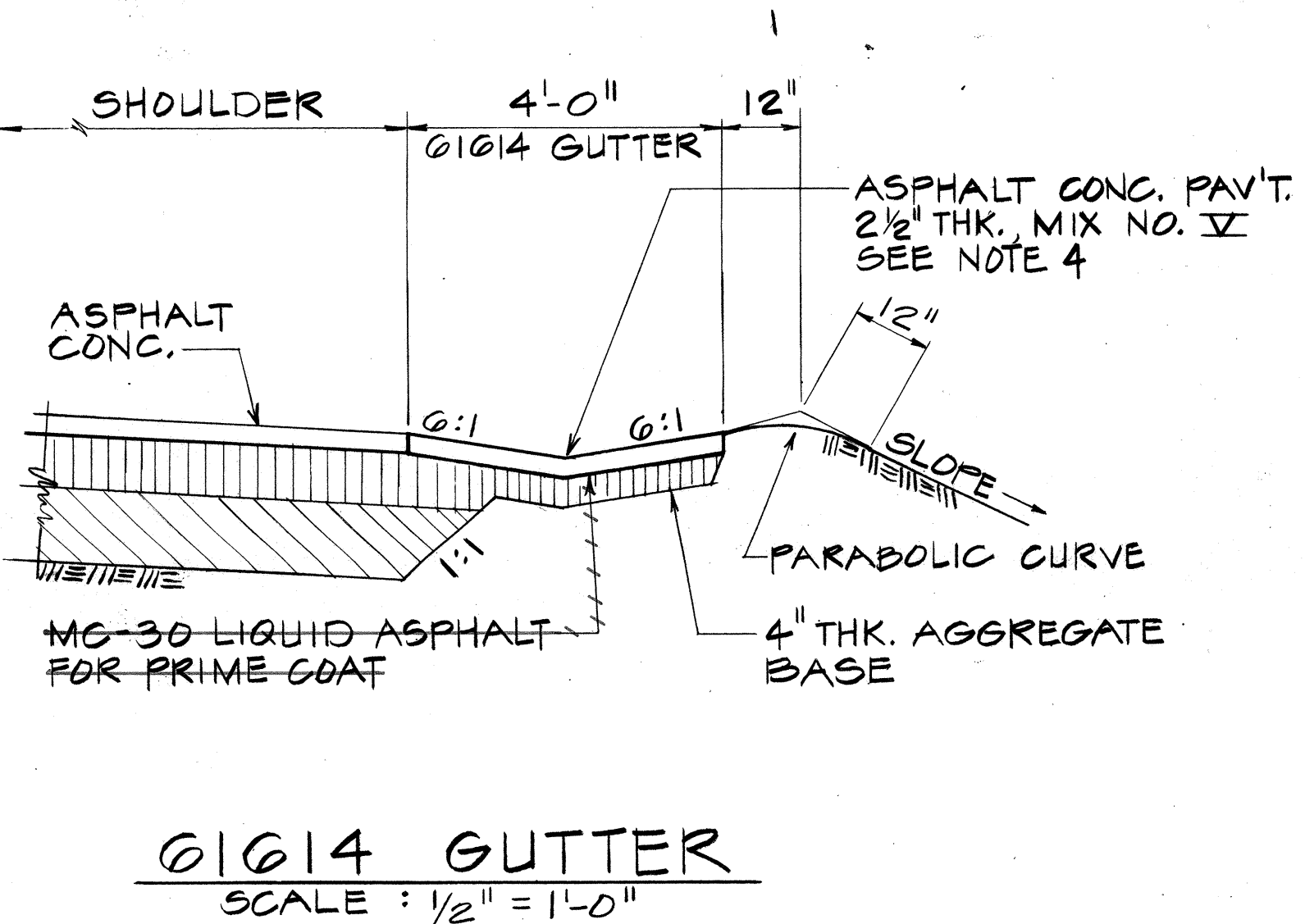
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	10-F-078-1(18)	1978	8	266

GENERAL NOTES

- FOR RAMP AND ROADWAYS THE SUPERELEVATION AXIS OF ROTATION IS THE BASELINE. FOR E FREEWAY THE AXIS OF ROTATION IS THE INSIDE EDGE OF TRAVELWAY FOR THE RESPECTIVE INBOUND AND OUTBOUND LANES.
- PROFILE GRADES (BASELINE) FOR RAMP AND ROADWAYS ARE SHOWN ON THE PLAN AND PROFILE SHEETS.
- SEE PLAN AND PROFILE SHEET FOR THE RELATIONSHIP OF INBOUND LANES PROFILE GRADE AND OUTBOUND LANES PROFILE GRADE.
- FOR CURB AND CURB AND GUTTER, SPACE EXPANSION JOINTS 30 FEET APART.
- ASPHALT CONCRETE PAVEMENT FOR G1614 GUTTER AND G1218 GUTTER SHALL BE MIX IX, CONFORMING TO THE REQUIREMENTS OF SECTION 401- ASPHALT CONCRETE PAVEMENT. HOWEVER THE ASPHALT CONTENT OF THE MIXTURE SHALL BE INCREASED BY AT LEAST 1/2 PERCENTAGE POINT ABOVE THAT NORMALLY USED FOR ASPHALT CONCRETE PAVEMENT. (SEE SECTION 603 - CURB AND OR GUTTER.)
- MC 30 LIQUID ASPHALT PRIME COAT IS ONLY REQUIRED BETWEEN ASPHALT CONCRETE PAVEMENT AND AGGREGATE BASE.
- INSTALL PLASTIC BLADE GLAREFOIL FROM STA. 310+03 TO STA. 315+00. STA. 321+25 TO 335+55.



EC STATION	ELEV. A	ELEV. B
120+25	32.82	33.45
+50	32.71	33.26
+75	32.56	33.04
130+00	32.39	32.80
+25	32.15	32.50
+50	31.88	32.17
+75	31.56	31.81
131+00	31.19	31.41
+25	30.79	30.98
+50	30.40	30.52
+75	30.00	30.03
132+00	29.59	29.55
+25	29.17	29.07
+50	28.74	28.59
+75	28.31	28.13
133+00	27.88	27.72
+25	27.45	27.37
+50	27.02	27.06
+75	26.59	26.78
134+00	26.16	26.47
+25	25.73	26.11
+50	25.30	25.70



Willard T. Johnson
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

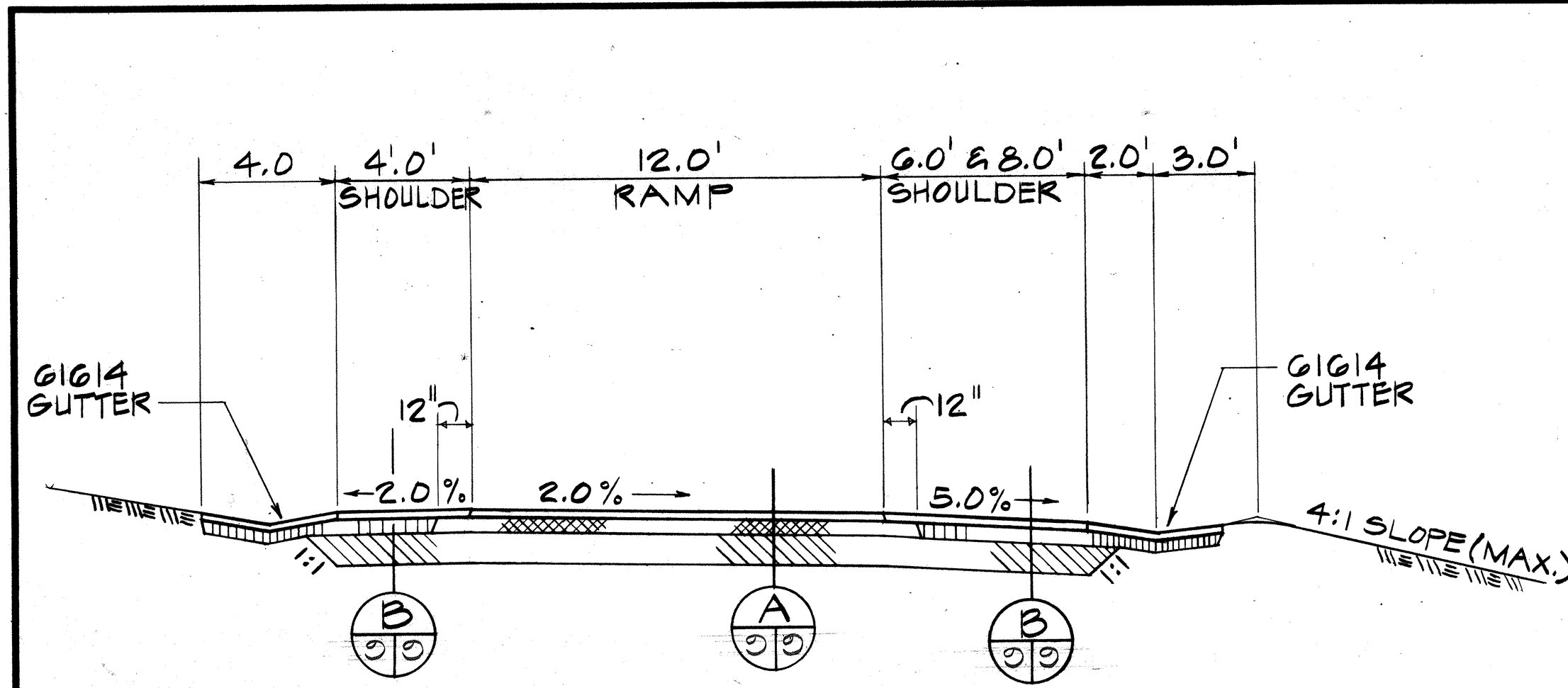
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL ROADWAY SECTIONS

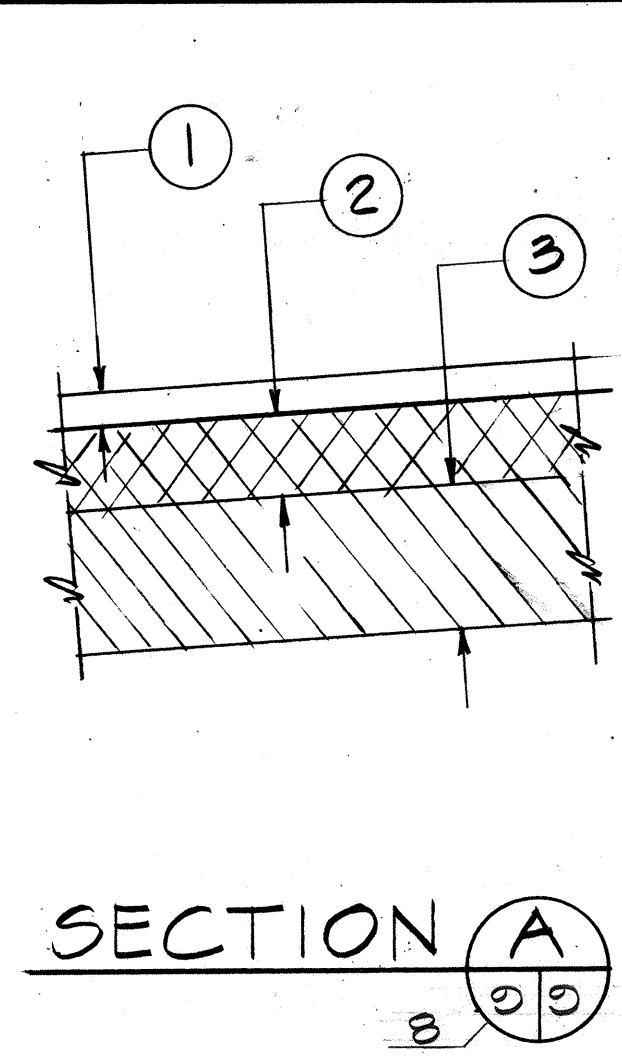
MOANALUA ROAD
PUULOA I.C. TO MIDDLE ST.-UNIT 3A
F.A. PROJ. NO. 10-F-078-1(18)
SCALE: AS SHOWN DATE: NOV. 13, 1978
SHEET No. 1 OF 2 SHEETS

DATE	
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
NO.	

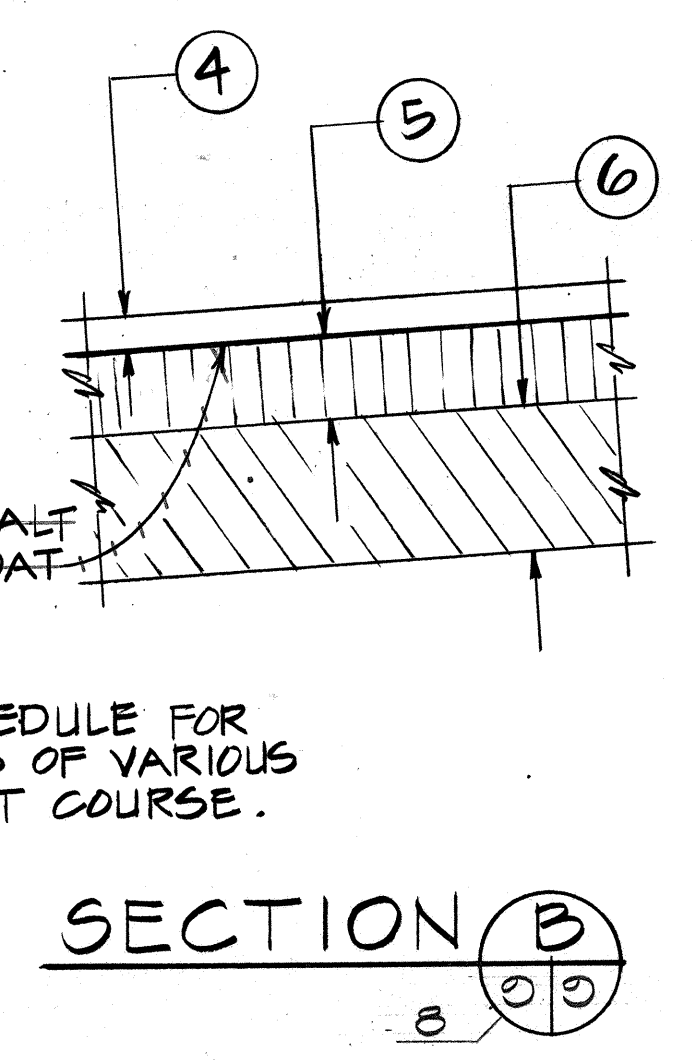
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	12-F-078-1(18)	1978	9	266



SINGLE LANE RAMPS
SCALE : 1/4" = 1'-0"



SECTION A

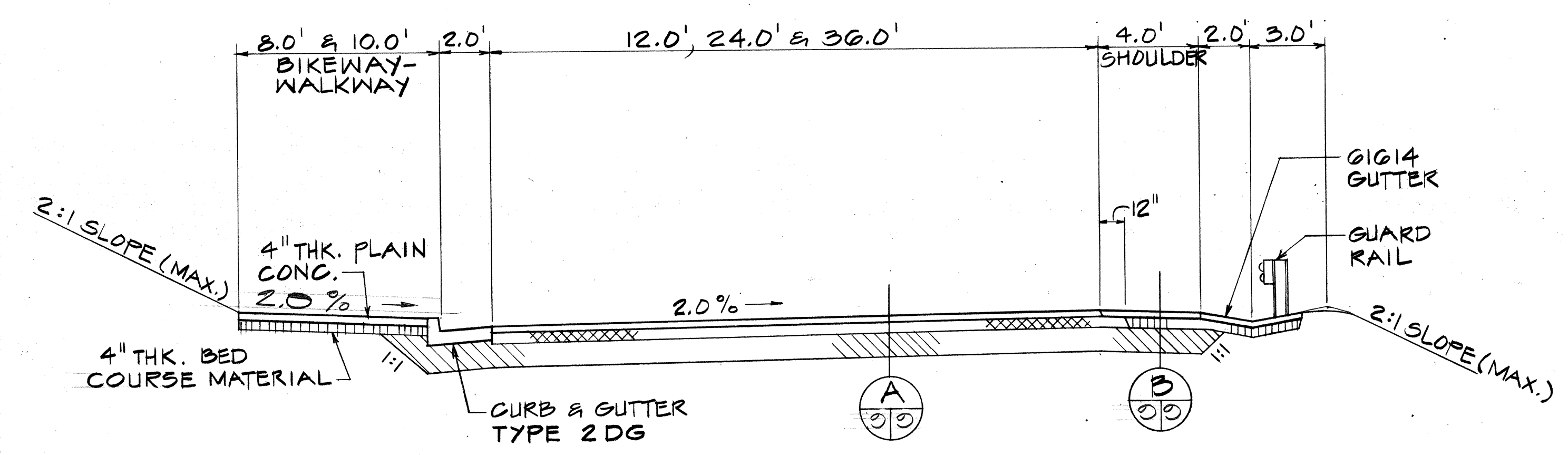


SECTION B

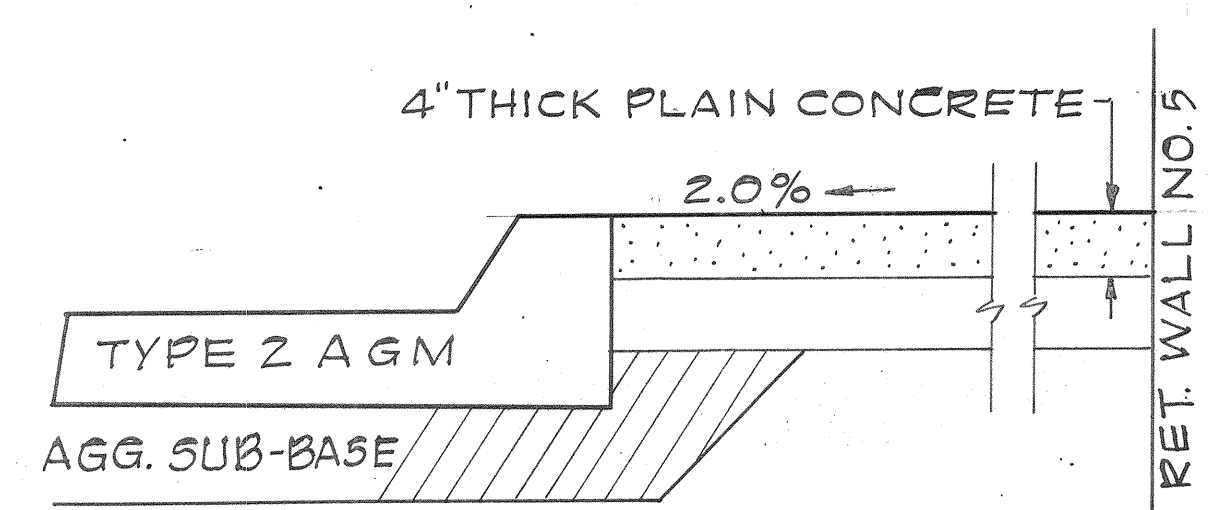
MC-30 LIQUID ASPHALT FOR PRIME COAT
NOTE: SEE SCHEDULE FOR THICKNESS OF VARIOUS PAVEMENT COURSE.

ROADWAY	SECTION A			SECTION B		
	① ASPHALT CONC. PAVT. MIX IV	② ASPHALT TREATED BASE	③ AGGREGATE SUB-BASE	④ ASPHALT CONC. PAVT. MIX III	⑤ AGGREGATE BASE	⑥ AGGREGATE SUB-BASE
MOANALUA RD. OUTBOUND LANES INBOUND LANES	2 3/4"	8"	12"	2 3/4"	8"	12"
KAUA ST.	2 1/2"	7"	12"	2 1/2"	7"	12"
RAMPS: A, E, H & K	2 1/2"	5 1/2"	11"	2 1/2"	5 1/2"	11"

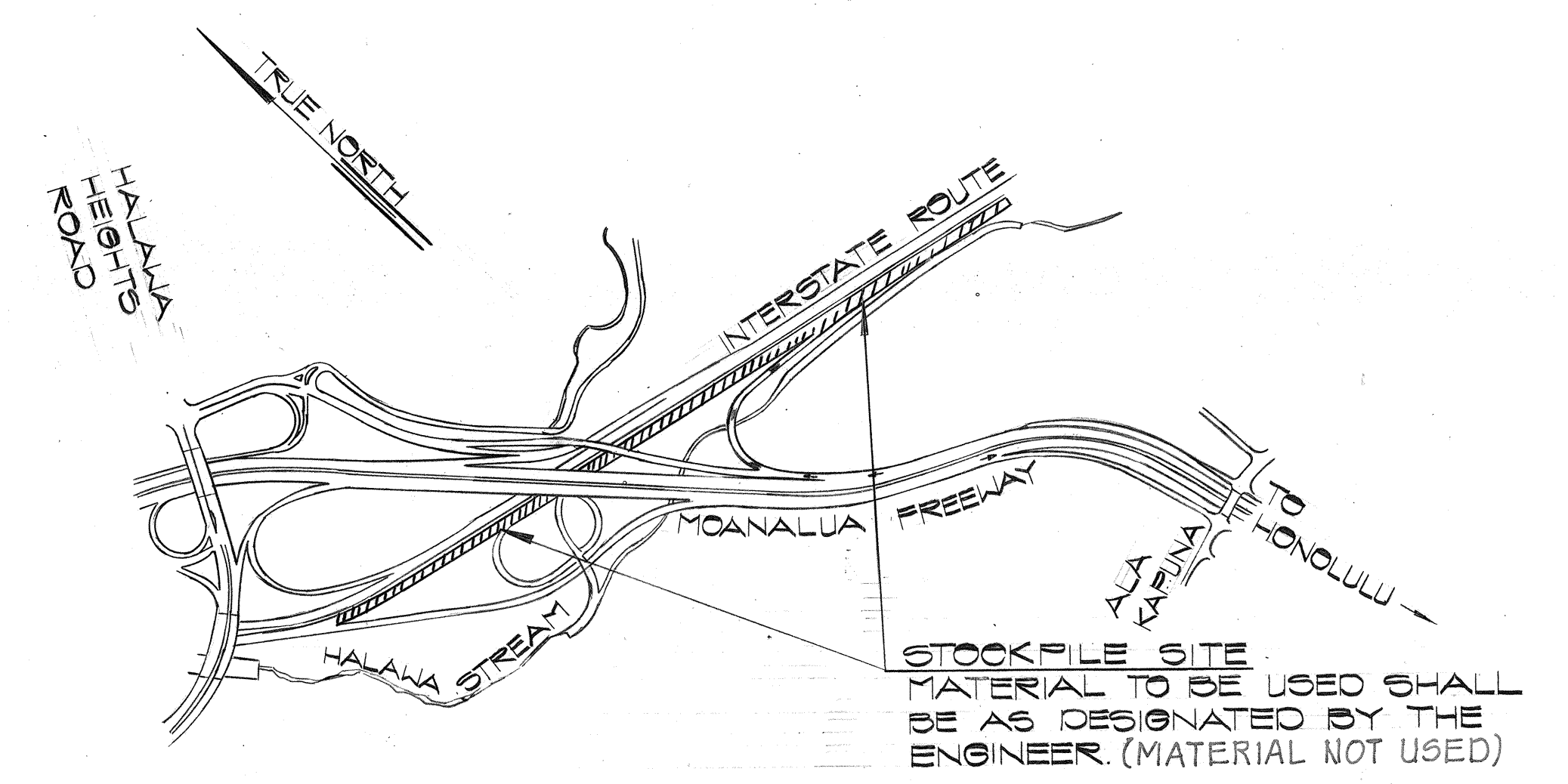
NOTE: A.C. Pavement thickness is 3.0 ft. ± on Moanalua Road between & Sta. 311+00 to 315+85.25 and 316+76.53 to 318+76.53 for Outbound and Inbound Lanes.



KAUA STREET
SCALE : 1/4" = 1'-0"

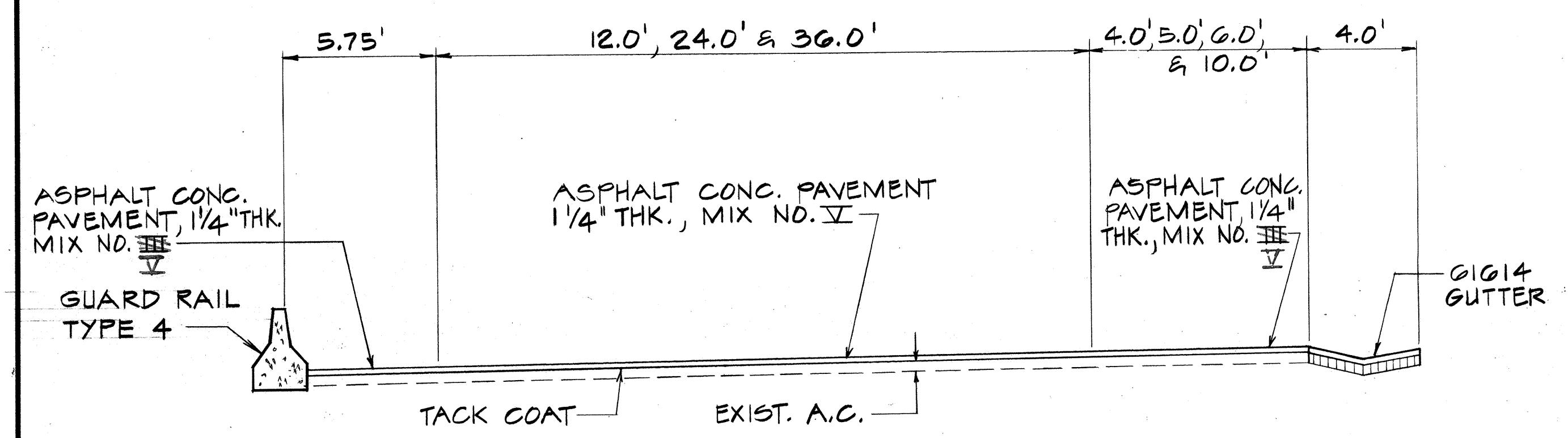


SECTION A-A
NOT TO SCALE
CONCRETE SIDEWALK



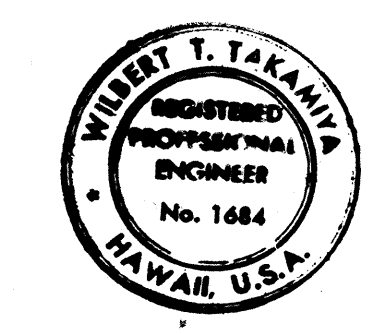
STOCKPILE SITE FOR SALVAGED BITUMINOUS MATERIAL
SCALE: 1" = 800'

NOTE:
1. STOCKPILE SITE REFER TO SECTION 302 RECYCLED PLANT MIX ASPHALT TREATED BASE COURSE.



EASTBOUND COLLECTOR
SCALE : 1/4" = 1'-0"

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
NO.	



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UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL ROADWAY SECTIONS

MOANALUA ROAD
PUULOA I.C. TO MIDDLE ST.-UNIT 3A
F.A. PROJ. NO. 12-F-078-1(18)
SCALE: AS SHOWN
DATE: NOV. 15, 1978
SHEET NO. 2 OF 2 SHEETS