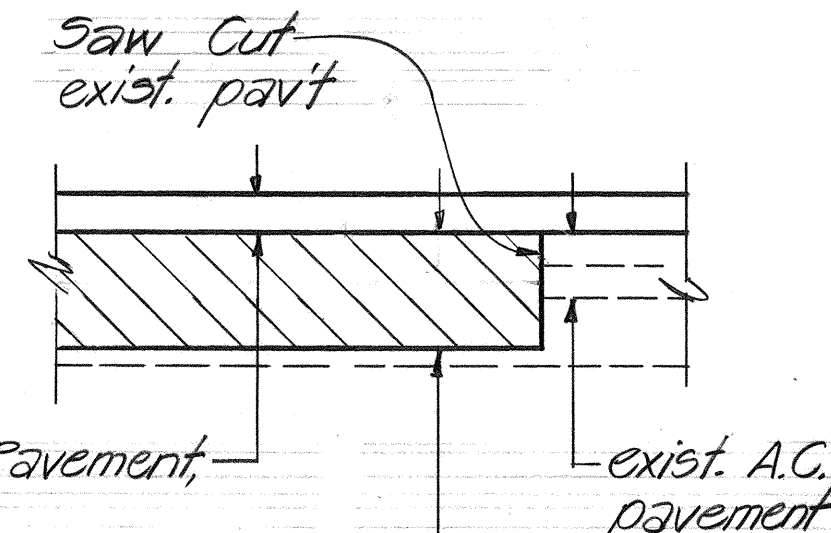
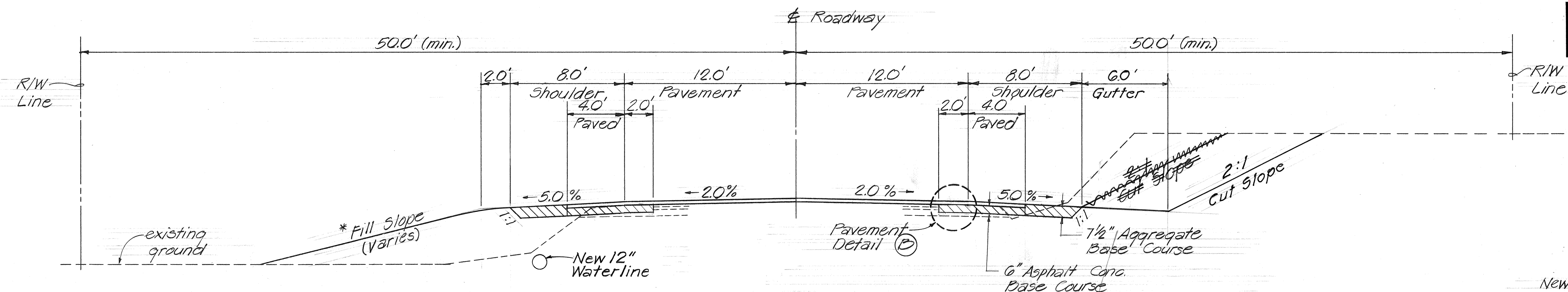
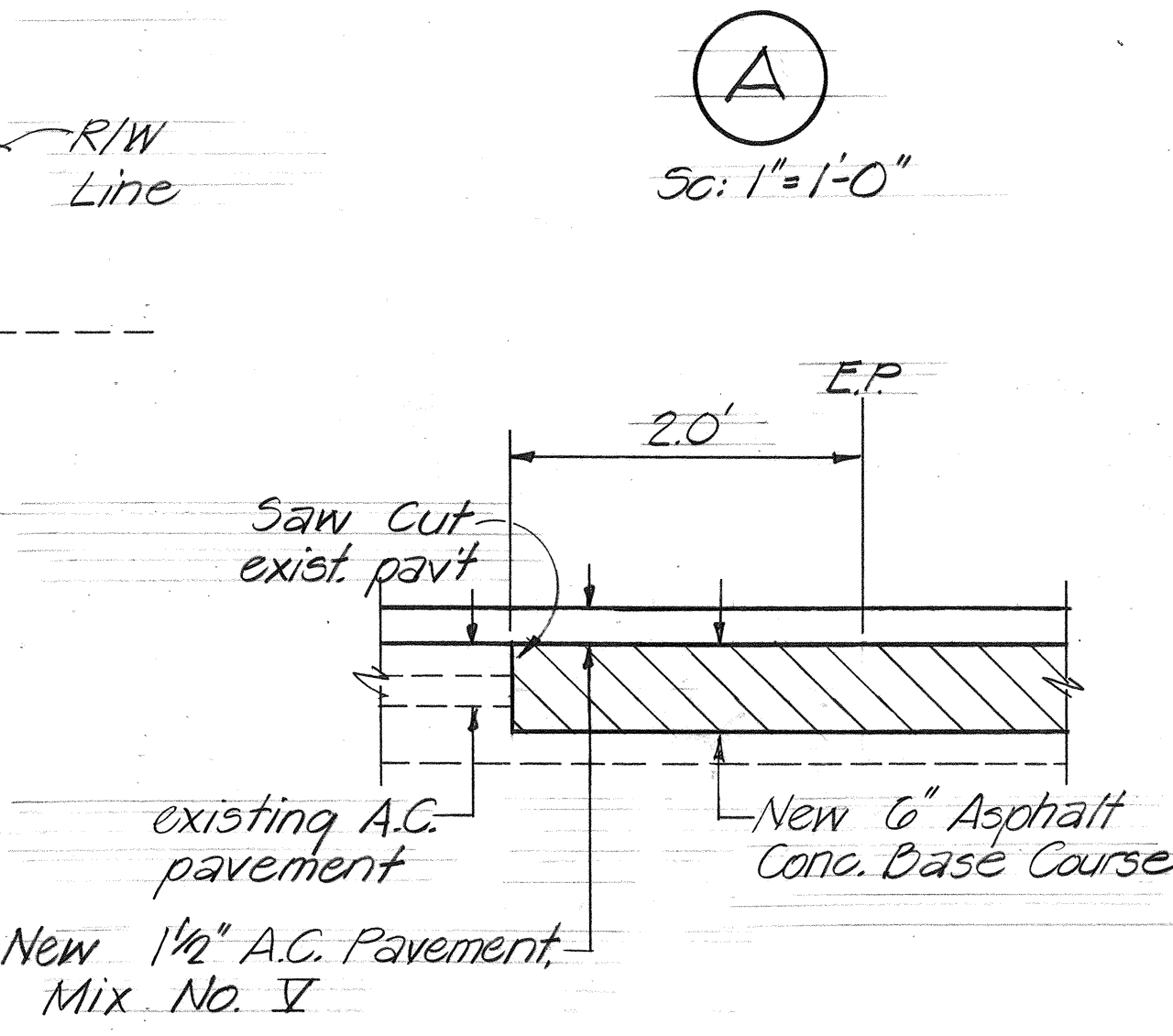
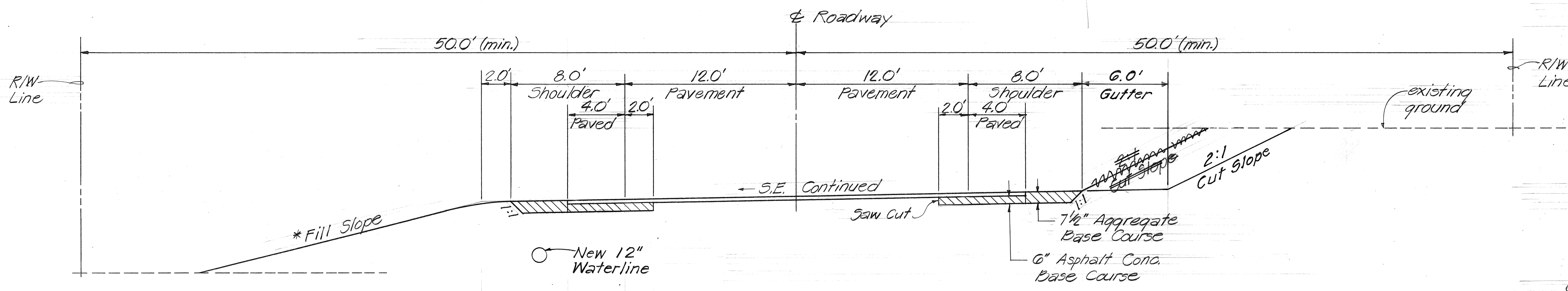


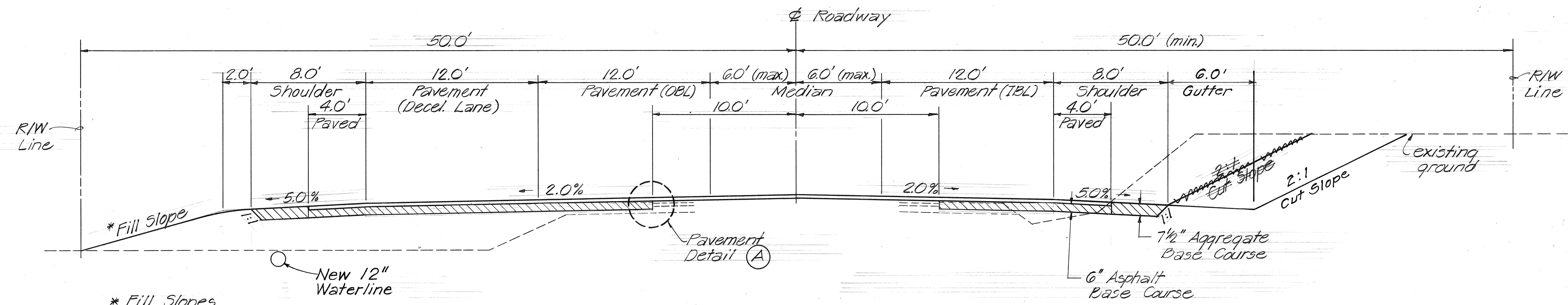
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	RS-0130(16)	1988	3	25



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



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



* Fill Slopes
0'-3' = 6:1
3'-5' = 4:1
> 5' = 2:1

TYPICAL SECTION AT CHANNELIZED INTERSECTION
Scale: 1/4" = 1'-0"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

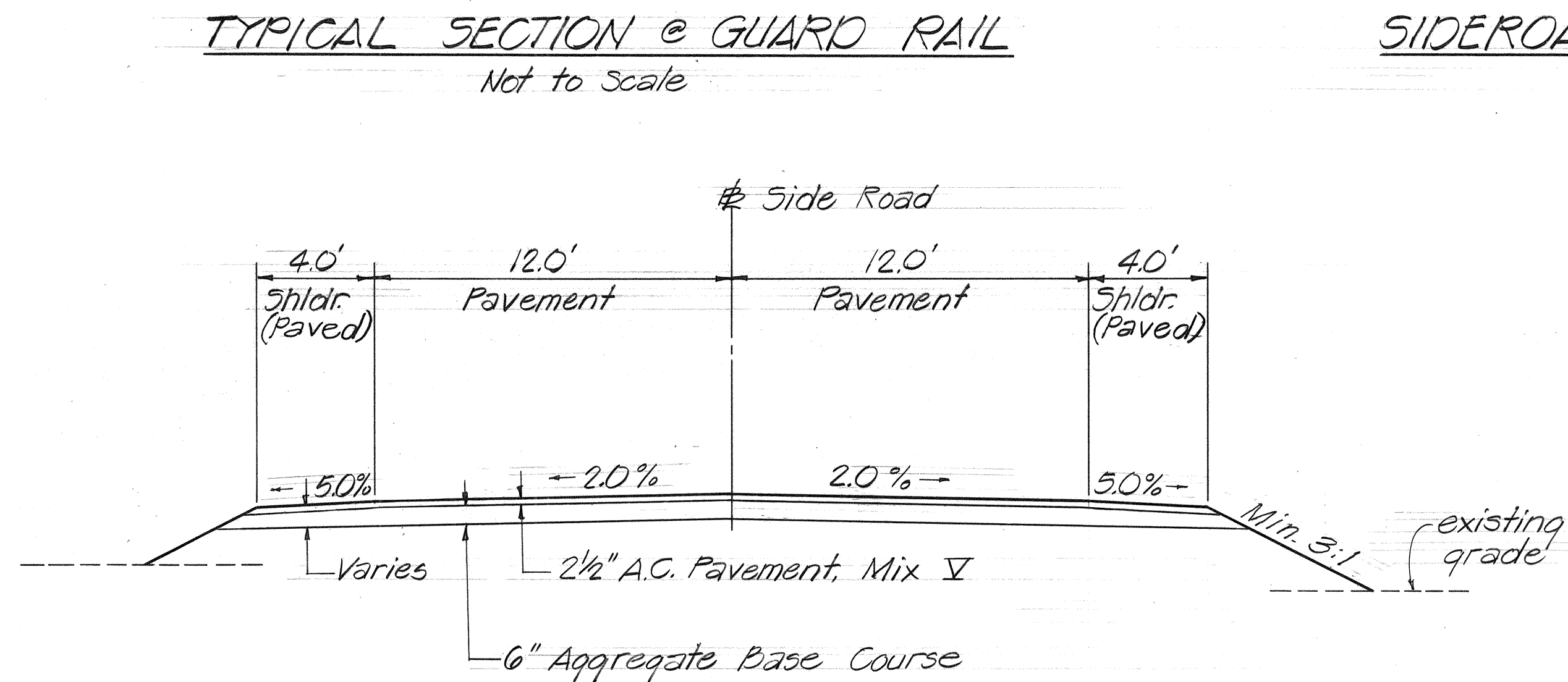
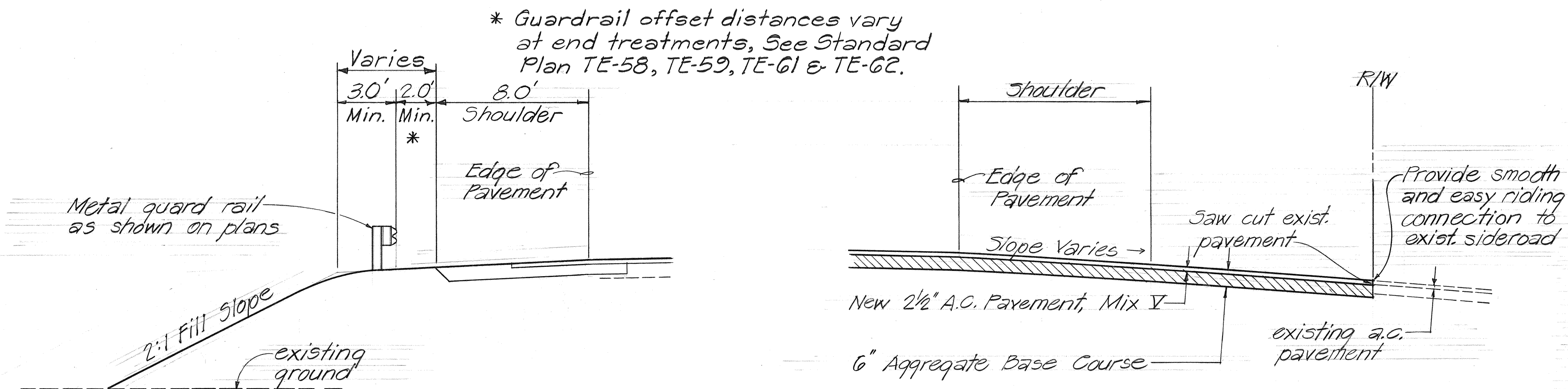
TYPICAL SECTIONS

KEAAU-PAHOA ROAD
Paradise Park Section - Phase I
Fed. Aid Proj. no. RS-0130(16)
Scale: As Noted Date: April 1988

SHEET No. 1 OF 2 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	RS-0130 (16)	1988	4	25



- ### GENERAL NOTES
- This project consists of widening the existing pavement constructing paved shoulders, resurfacing the existing pavement, extending one drainage culvert, installing waterline improvements and pavement markers, adjusting centerline monuments, relocating two highway lights.
 - Tack Coat shall be incidental to Item no. 401.0500 - "Asphalt Concrete Pavement, Mix No. V."
 - All Construction Signs shall be reflectorized with high intensity reflective sheeting.
 - Pavement areas to be striped shall be broomed off by the contractor prior to striping by the State.
 - Relocate existing signs when necessary or ordered by the Engineer. Payment shall be paid for under item no. 621.5100 - "Regulatory and Warning Signs, 10 ft² or Less."
 - Smooth riding connections shall be constructed at the Beginning and Ending of project, sideroads, and driveways as shown or as directed by the Engineer. Payment shall be incidental to Asphalt Concrete Pavement item.
 - Existing pavement surface variable. Surface indicated is not intended to represent any specific location.
 - State Forces will layout the pavement for Pavement Markings.
 - All volcanic ash within the roadway section and within 3-feet of finished pavement grade, shall be removed for the entire project.
 - Contractor shall ensure that existing U.S.G.S. monuments remain undisturbed until the Engineer has completed coordination with U.S.G.S. for relocation.
 - The Contractor shall provide mitigating measures in accordance with Section 107.14 Barricades and Warning Signs for any pavement drop-offs greater than 2 inches left unprotected overnight. Mitigating measures shall be considered incidental to Contract Items and no separate payment shall be provided for. The Contractor shall limit the length of the dropoff to a maximum of 1500 feet.
 - The Contractors attention is called to the Special Provisions, Section 624 - Water Systems. All pay items relating to the water system are for the complete in place installation, including all incidental and appurtenant work.
 - Relocation of Utility Poles shall be done by others. Contractor shall coordinate his work schedule with electric and telephone Contractors in order to avoid unnecessary delays in the completion of the project as a whole. Contractor may also be required to work around existing Utility poles until such time that the Utility lines are permanently relocated and existing Utility poles removed.

GUARD RAIL SCHEDULE			
STATION - STATION	SINGLE W/STEEL POST - TYPE 3	END TREATMENT	
		LEAD	TRAIL
16 + 50 - 18 + 00 L	154.4 150 LF	BCT	BCT
16 + 50 - 18 + 00 R	154.4 150 LF	BCT	BCT
49 + 75 - 51 + 40 L	204.0 187.5 LF	G	BCT
51 + 83 - 59 + 25 L	66.3 750 LF	BCT	G
TOTAL	679.1 1,237.5 LF		

AND REFERENCE SURVEY MONUMENT SCHEDULE **	
PROJ. NO.	STATION
S-223(1)	BEG. PROJ. 0+00
	P.C. 43+33.87
	P.T. 48+22.20
	P.C. 59+87.15
	END PROJ. 60+00
	P.O.T. 20+00
TOTAL	5

** See Standard Plan D-06 for details

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY SECTIONS
AND DETAILS
KEAAU-PAHOA ROAD
Paradise Park Section - Phase I
Fed. Aid Proj. no. RS-0130(16)
Not to Scale Date: April 1988

SHEET No. 2 OF 2 SHEETS

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

49+75 - 51+40
51+83 - 59+25