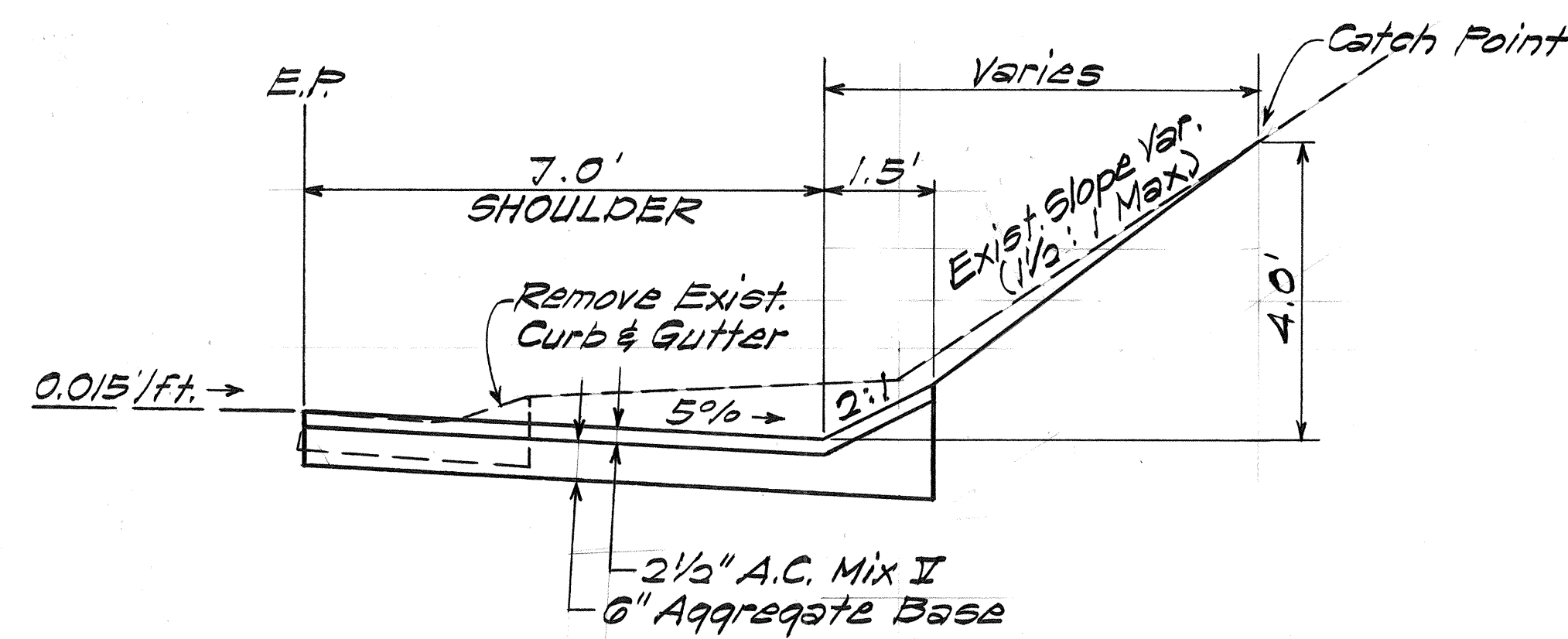
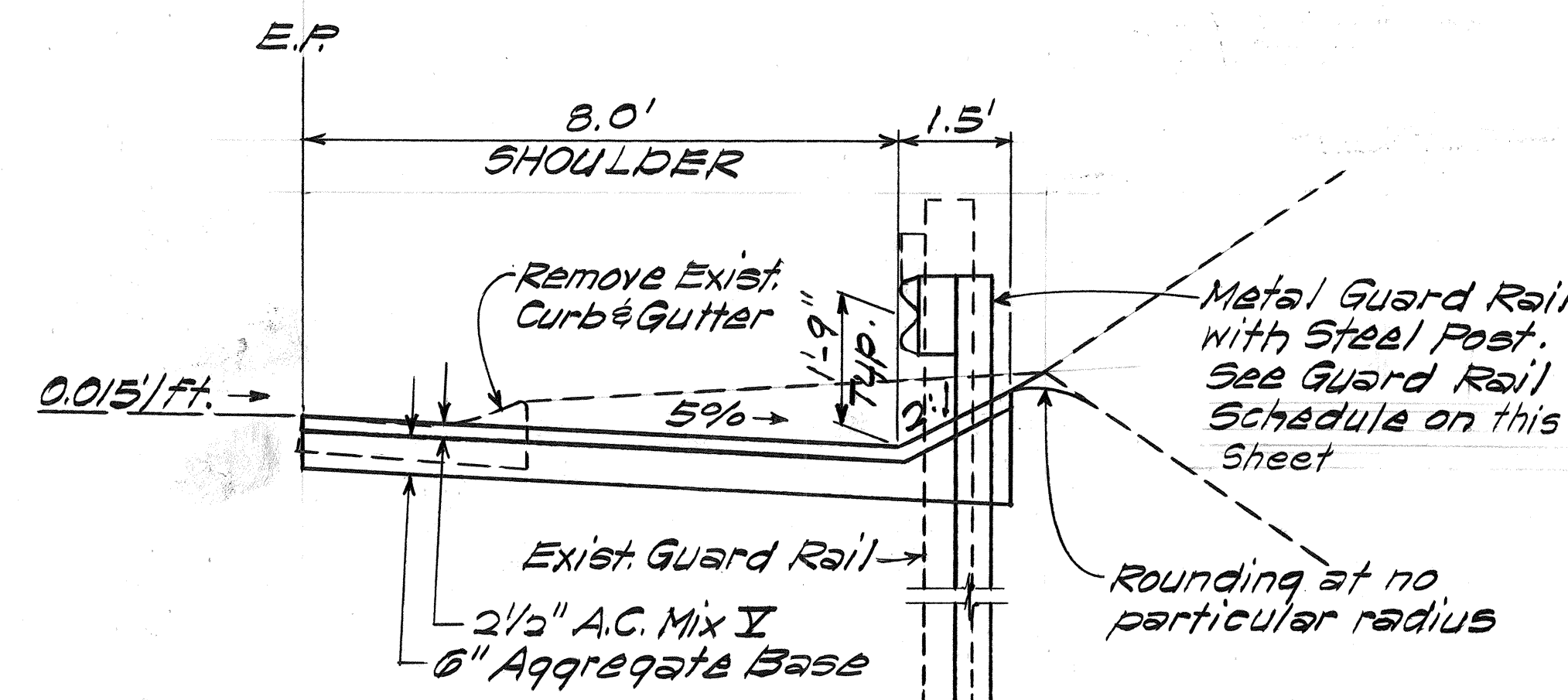


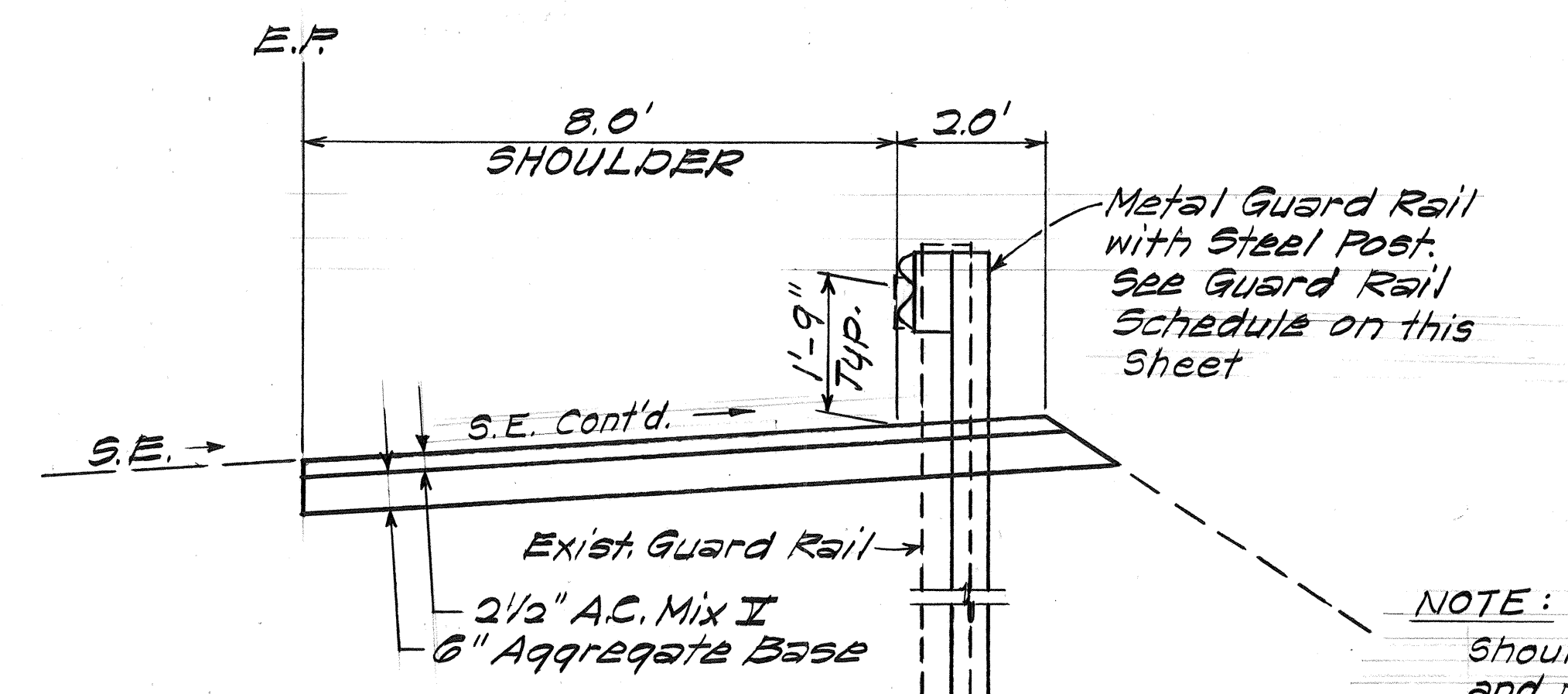
SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	



TYPE A SHOULDER IMPROVEMENT
Scale: 1/2" = 1'-0"



TYPE B SHOULDER IMPROVEMENT
Scale: 1/2" = 1'-0"



TYPE C SHOULDER IMPROVEMENT
Scale: 1/2" = 1'-0"

NOTE:
Shoulder transition sections shall be measured and paid for at 1/2 of transition to each adjacent type, except at the beginning of project, where measurement and payment shall be to Type B Shoulder Improvement.

GUARD RAIL SCHEDULES

NEW GUARD RAILS

STA. TO STA.	APPROXIMATE LENGTHS (L.F.)	
	STANDARD STEEL POST	8 FEET STEEL POST
155+60 - 158+25		265
158+25 - 160+00	175	
160+00 - 167+10		710
171+65 - 172+60	95	
172+60 - 175+10		250
175+10 - 175+85	75	
177+40 - 180+70		330
183+20 - 187+00		380
187+00 - 188+05	105	
188+05 - 195+45		740
201+00 - 209+00		800
209+00 - 210+60	160	
210+60 - 211+40		80
211+40 - 213+65	225	
213+65 - 219+90		625
219+90 - 220+70	80	
220+70 - 222+80		210
TOTALS	915	4390

RECONSTRUCTED GUARD RAILS

STA. TO STA.	APPROXIMATE LENGTHS (L.F.)	
	STANDARD STEEL POST	8 FEET STEEL POST
152+55 - 153+15	60	
167+10 - 171+65		455
TOTALS	60	455

GENERAL NOTES

- The scope of work for this project consists of roadside improvements such as providing flush paved shoulders, reconstructing drainage structures, replacing existing wooden guard rails with new metal guard rails, reconstructing guard rails, removing large trees, relocating signs, and installing pavement striping.
- During non-working hours, the Contractor shall not leave any longitudinal drop at or near the edge of pavement that will be considered hazardous to motorists. Barricades, delineators and warning signs shall be installed as directed by the Engineer.
- The Contractor's attention is directed to Subsection 107.13-"Public Convenience and Safety", Subsection 104.14-"Barricades and Warning Signs", and Section 045-"Traffic Control" of the Special Provisions pertaining to peak hours of traffic, submitting a traffic control plan and other requirements necessary for providing safe movement of public traffic through the project areas.
- The Contractor's attention is directed to Subsection 107.21-"Contractor's Responsibility for Utility Property and Services" and shall notify Mr. James Pai of the Hawaiian Telephone Company, phone no. 836-6158 one week prior to construction.
- Replace all existing wooden and metal guard rails with new metal guard rails, except at Sta. 167+10 to Sta. 171+65, where guard rails will be reconstructed with new 8 ft. steel posts. See Guard Rail Schedules this sheet for locations.
- The Contractor shall saw cut the existing edge of pavement prior to removing curb and gutter. Saw cutting and removal of the existing curb and gutter shall be incidental to Item No. 690.2000-"Type B Shoulder Improvements."
- Any damage to the existing roadway and its improvements including but not limited to pavement and shoulders caused by the Contractor shall be repaired at his expense and to the satisfaction of the Engineer.
- At the end of each working day, all construction signs, delineators and barricades associated with the detour of traffic around the work zones shall be removed and stored.
- The removal of 3 trees at Baseline Sta. 187+80± shall include the removal of the stumps and roots. All other trees designated for removal shall be cut 6 inches above ground.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	G3A-01-82	1982	2	22

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION
TYPICAL SECTIONS, GUARD RAIL SCHEDULES & GENERAL NOTES
LIKELIKE HIGHWAY
Burmeister Overpass towards Kahakili Hwy.
PROJECT NO. G3A-01-82
Scale: As Shown Date: March, 1982
SHEET NO. / OF / SHEETS