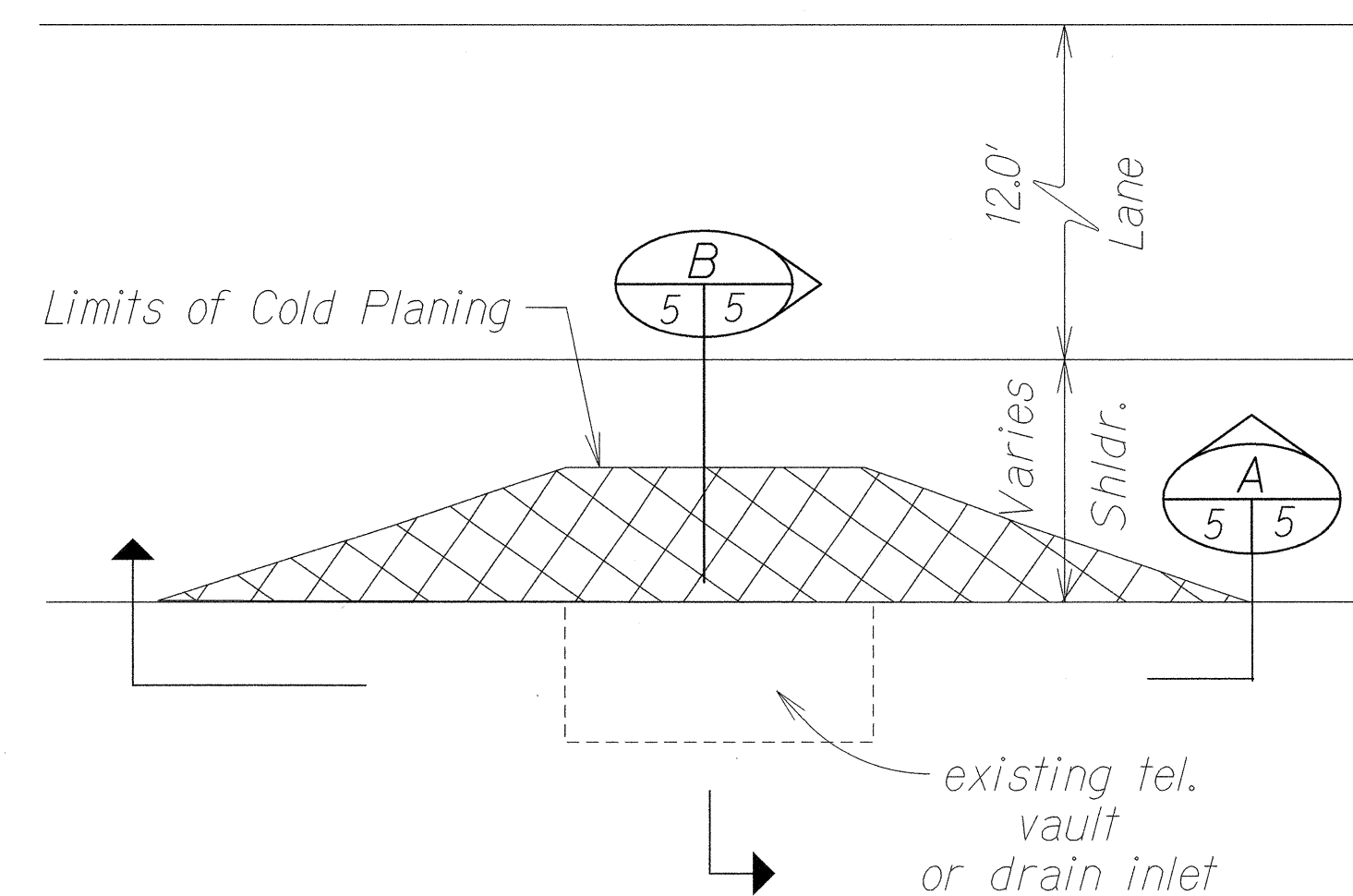
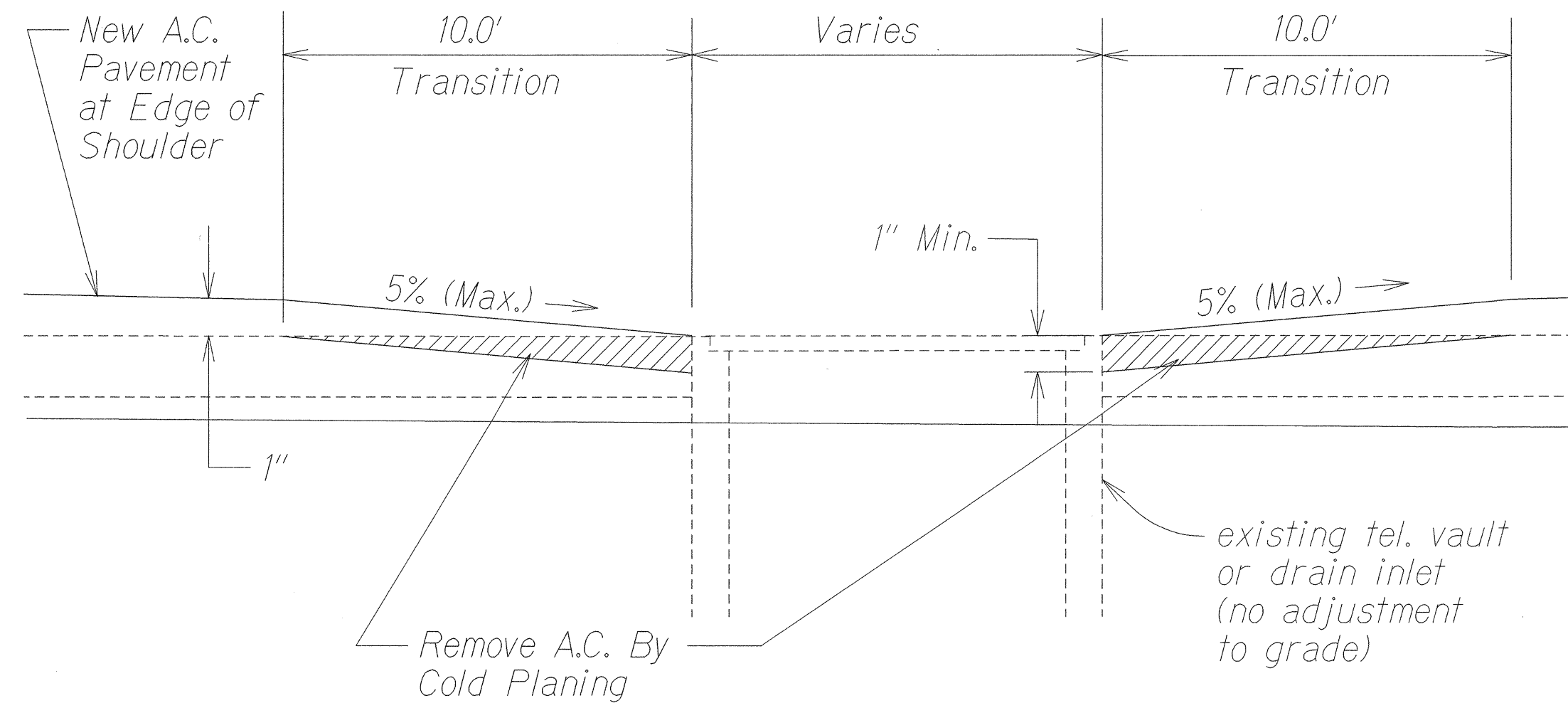


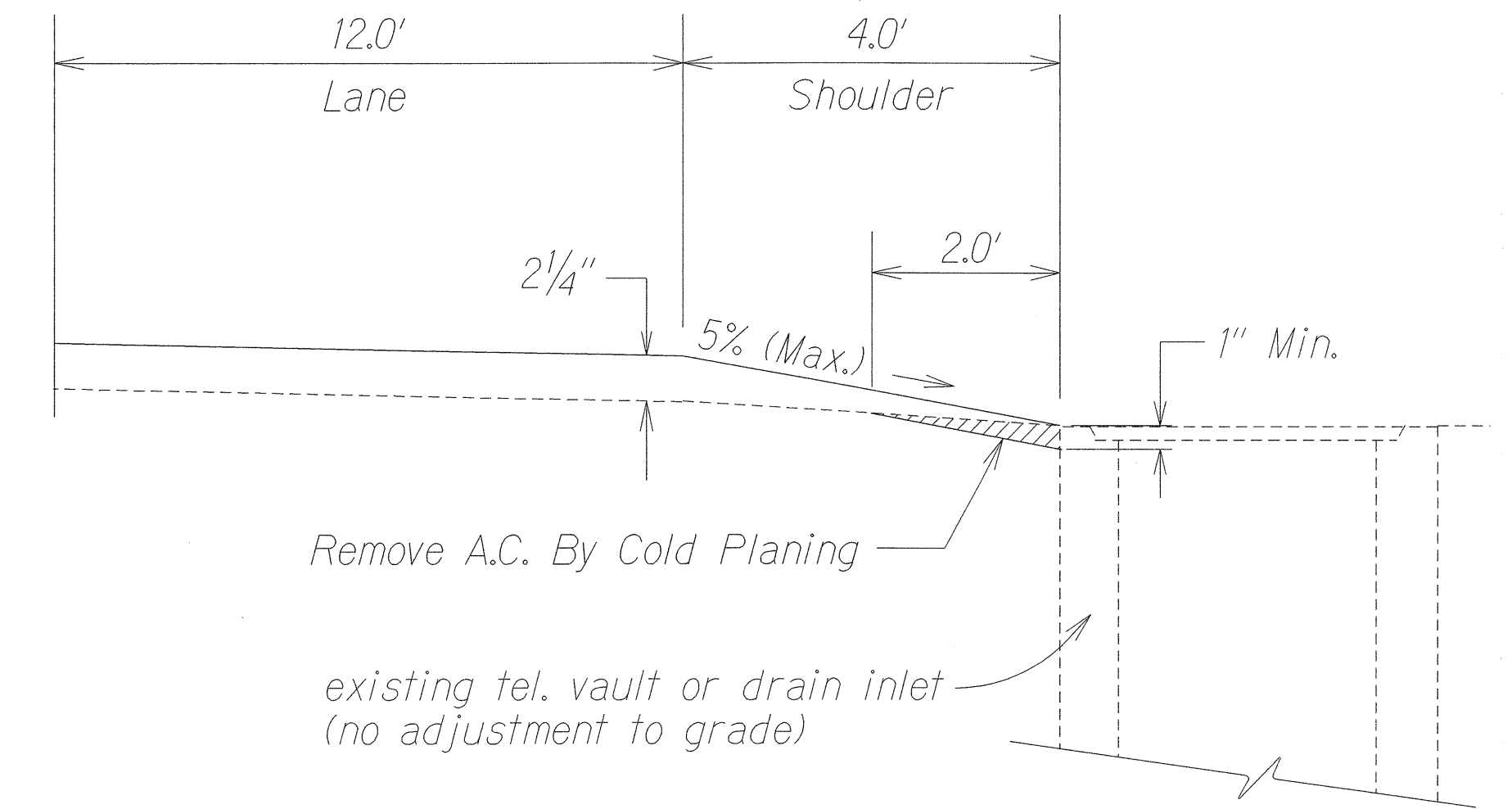
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50D-01-00M	2001	5	23



PLAN
Not To Scale



SECTION A
Not To Scale



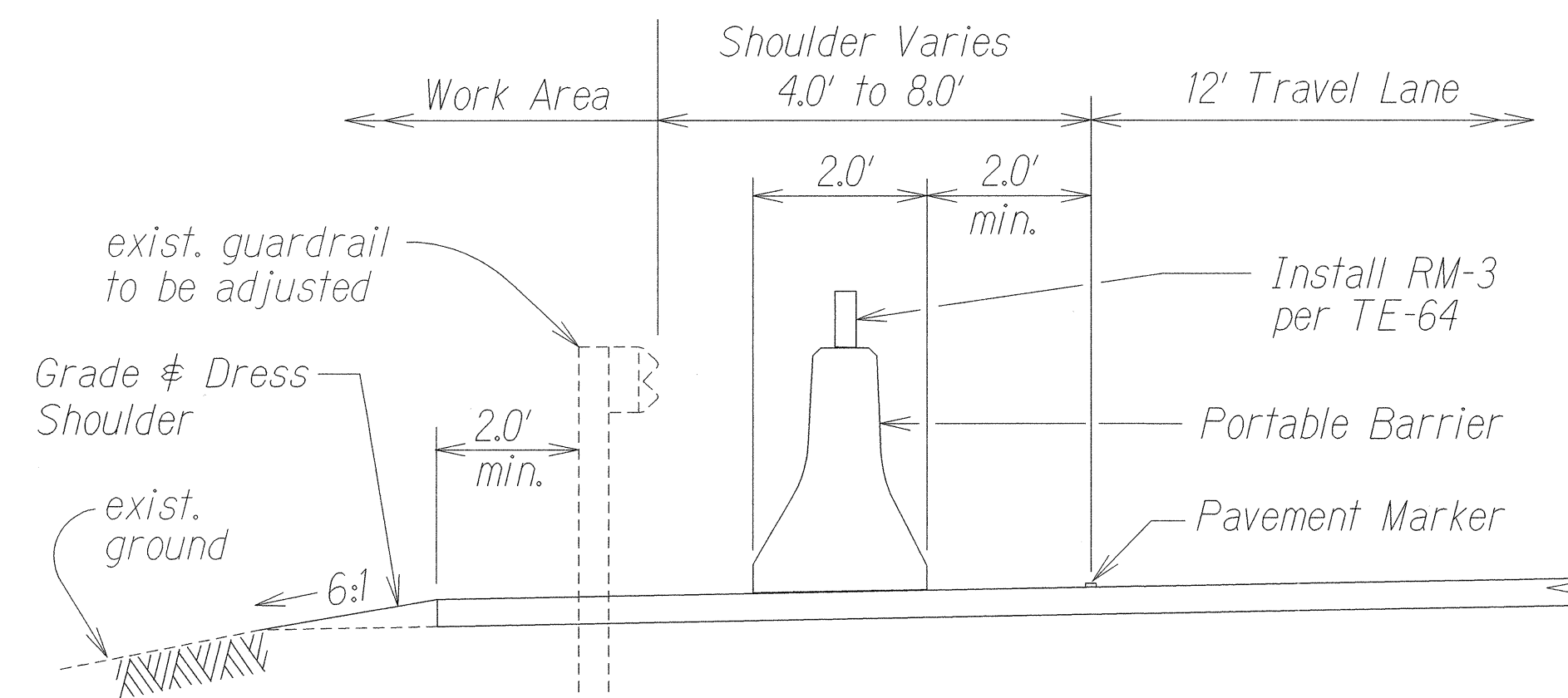
SECTION B
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TAPER A.C. DETAIL AT EXISTING VAULTS AND DRAIN INLETS

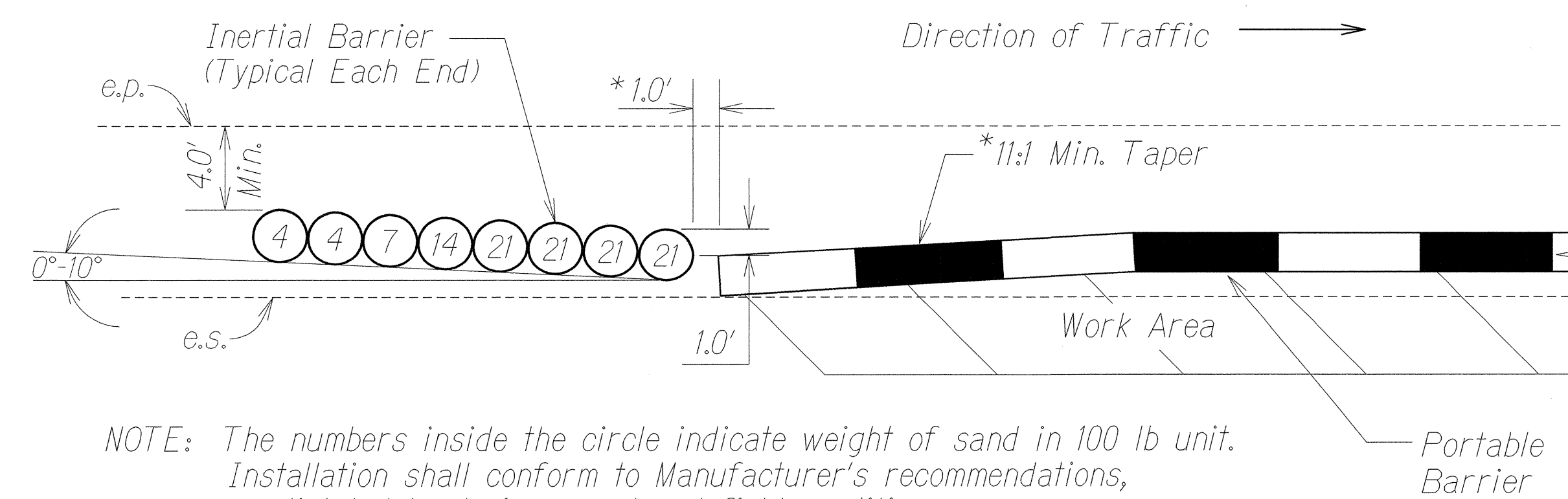
Not To Scale

NOTES:

- Typical layout will vary based on speed and manufacturer of system used. Installation shall conform to Manufacturer's recommendations.
- Physical barriers shall be required whenever guardrails have been removed and will not be reinstalled at the end of the work day. See General Note No. 23 on Plan Sheet No. 3.
- Physical barriers shall be either portable concrete barriers or portable water-filled barriers. Installation of portable water-filled barriers shall conform to Manufacturer's recommendations as dictated by design speed and field conditions.
- Providing, transporting, placing, maintaining, relocating and removing physical barriers shall be considered incidental to the various items of work. See Section 645, TRAFFIC CONTROL DEVICES of the Special Provisions.
- Ends of portable barriers shall be protected with Inertial Barriers as shown above. Furnishing and installing inertial barriers shall be considered incidental to the various contract items.
- Furnishing and installing reflector markers (RM-3) over the portable barriers shall be considered incidental to the various contract items.



TYPICAL DETAIL - PHYSICAL BARRIER
Not To Scale



NOTE: The numbers inside the circle indicate weight of sand in 100 lb unit. Installation shall conform to Manufacturer's recommendations, as dictated by design speed and field conditions.

TYPICAL DETAIL - 8-MODULE INERTIAL BARRIER
Not To Scale



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**TYPICAL PLANS,
SECTIONS, AND DETAILS**

ROUTE 50,
KAUMUALII HIGHWAY RESURFACING
Vicinity of Maluhia Road to Omao Road
Project No. 50D-01-00M

Scale: Not to Scale Date: August, 2000

SHEET No. 1 OF 3 SHEETS

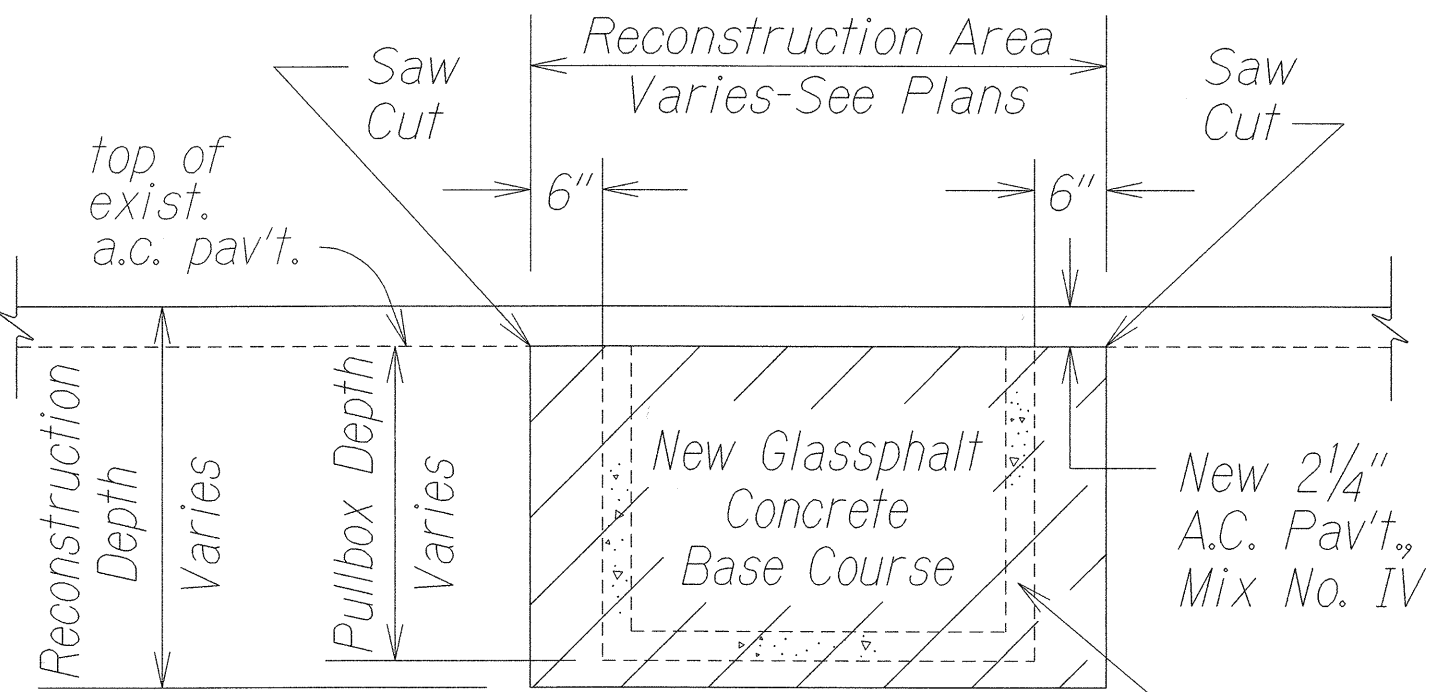
SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
NO.	

jkmuks02.dgn

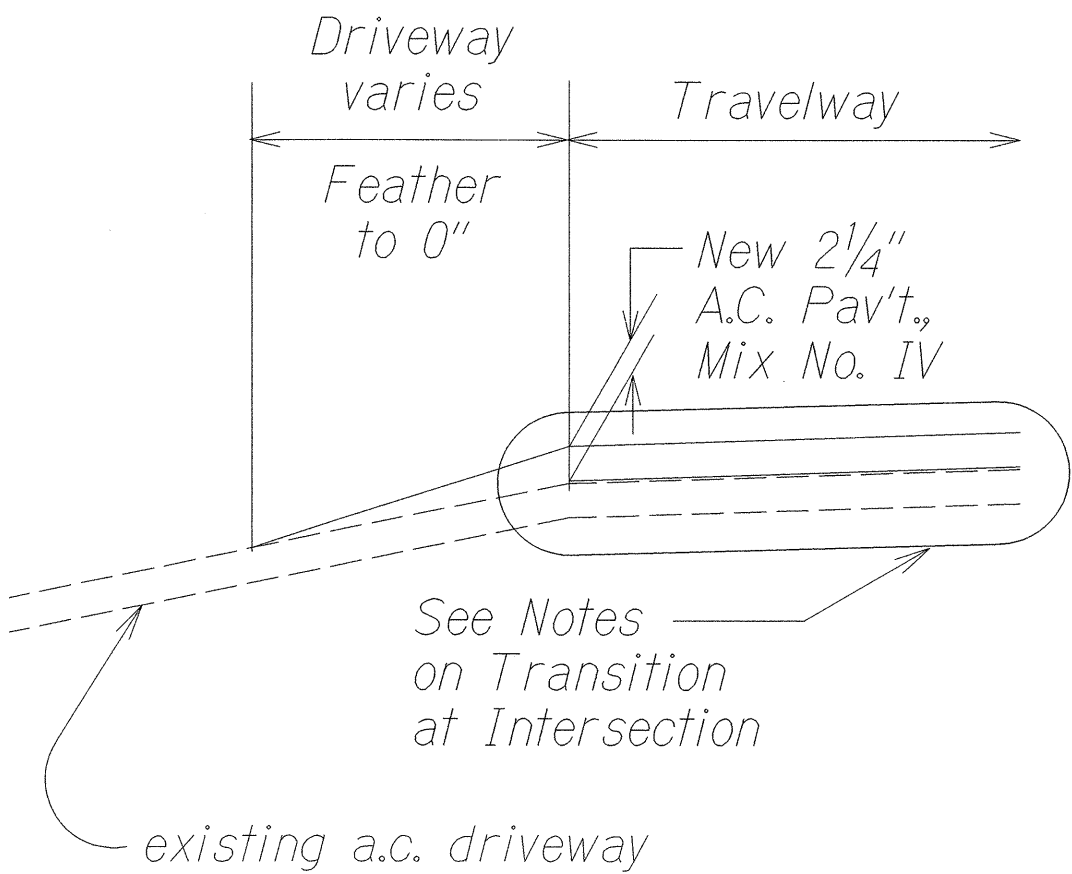
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50D-01-00M	2001	6	23

Notes:

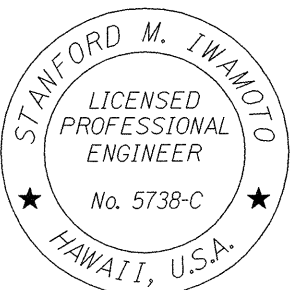
- The contractor shall return all pullbox covers and undamaged pullboxes to Garden Isle Telecommunications (arrangements for return to be coordinated with Brian Baligad or Dennis Cortez at 245-7720).
- Removal and disposal of existing pullbox and its contents and the installation of new glassphalt concrete base course, in place complete, shall be considered Incidental to Item No. 202.0430 - Removal of Pullbox.



A.C. PAVEMENT RECONSTRUCTION
DETAIL (FOR PULLBOX REMOVAL)
Not To Scale



TYPICAL PAVEMENT TRANSITION
AT DRIVEWAYS
Not To Scale

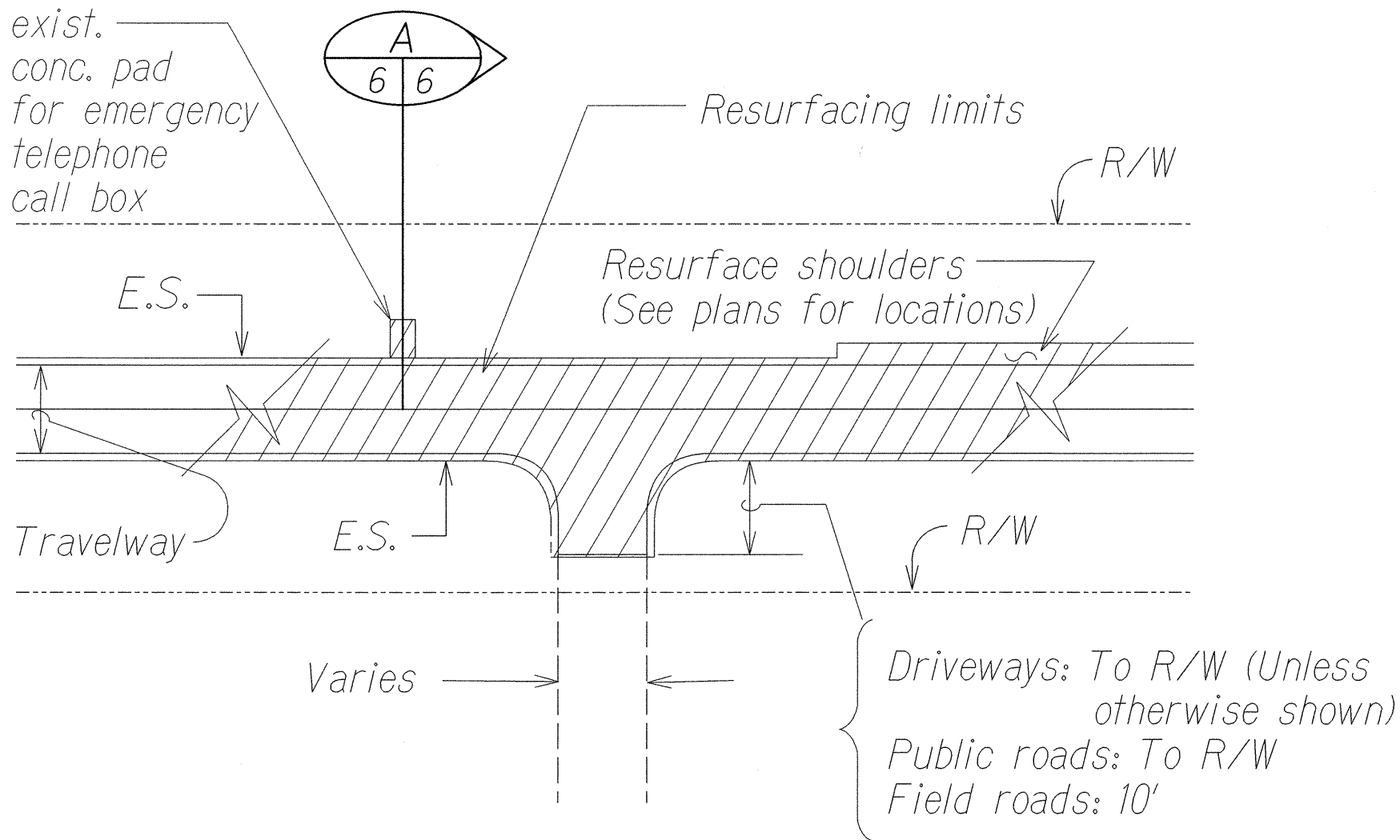


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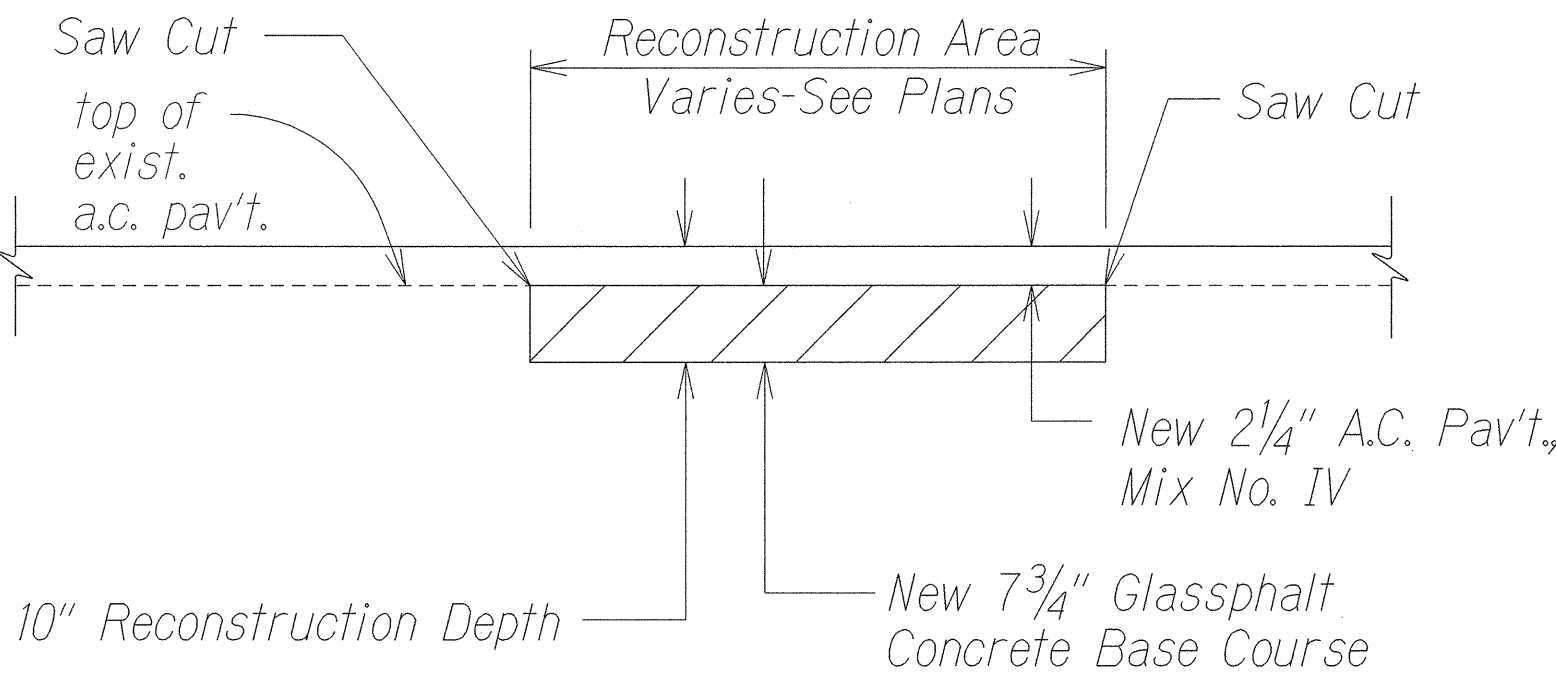
Signature

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

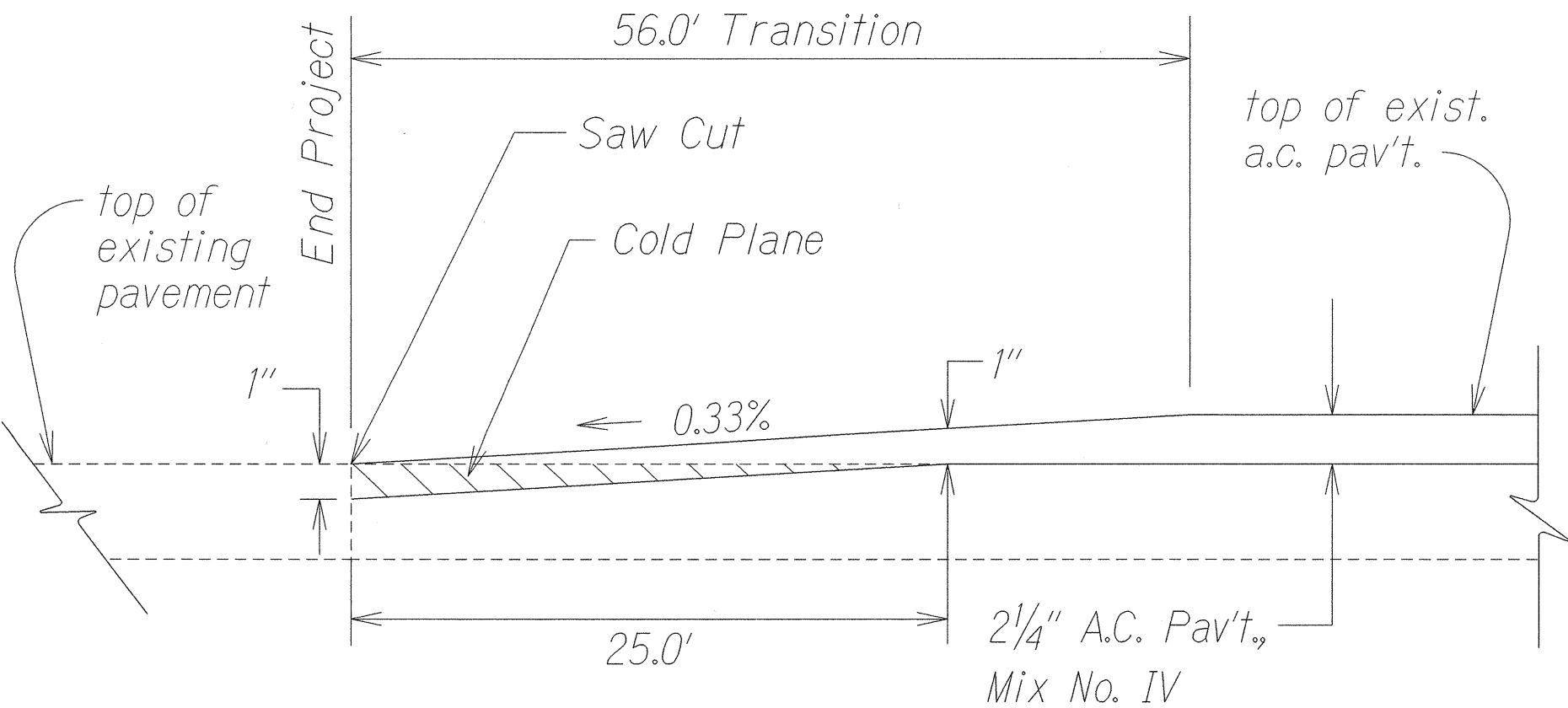
TYPICAL PLANS,
SECTIONS, AND DETAILS
ROUTE 50,
KAUMUALII HIGHWAY RESURFACING
Vicinity of Maluhia Road to Omao Road
Project No. 50D-01-00M
Scale: Not to Scale Date: August, 2000
SHEET No. 2 OF 3 SHEETS



PLAN - TYPICAL RESURFACING LIMITS
Not To Scale



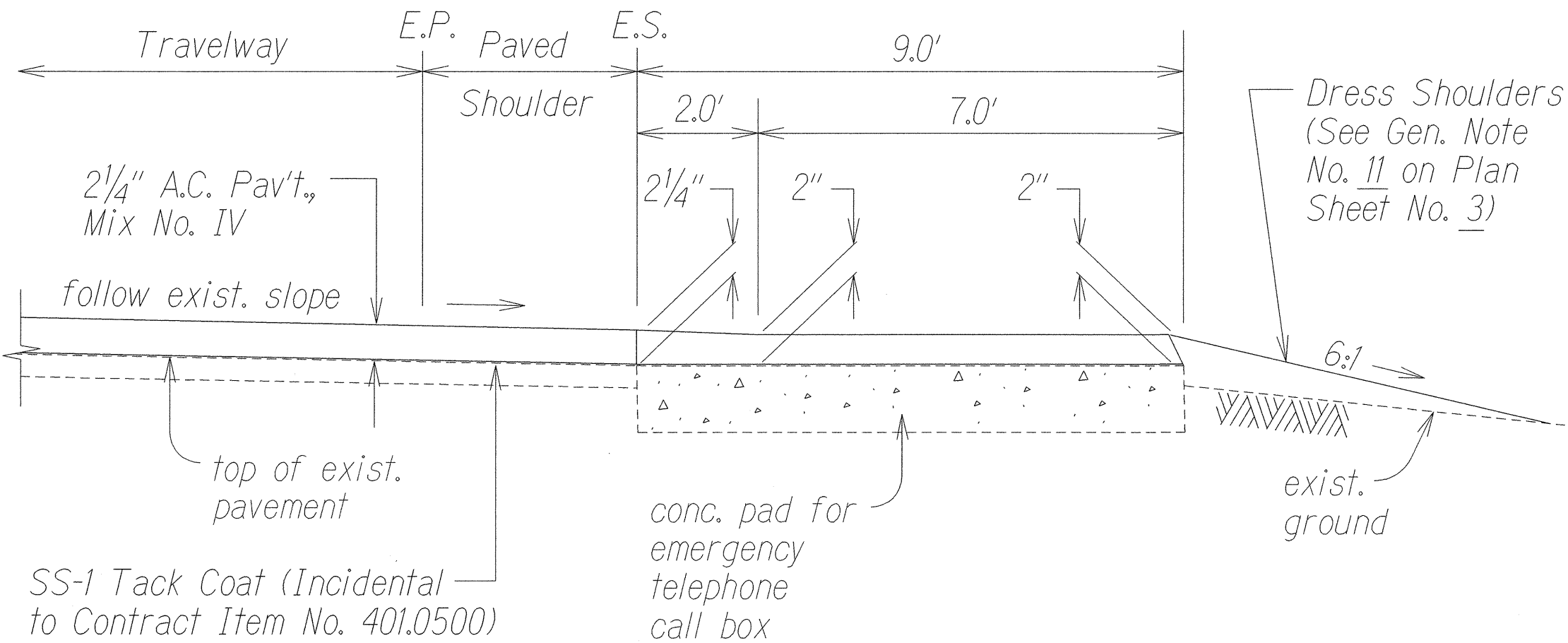
A.C. PAVEMENT RECONSTRUCTION DETAIL
Not To Scale



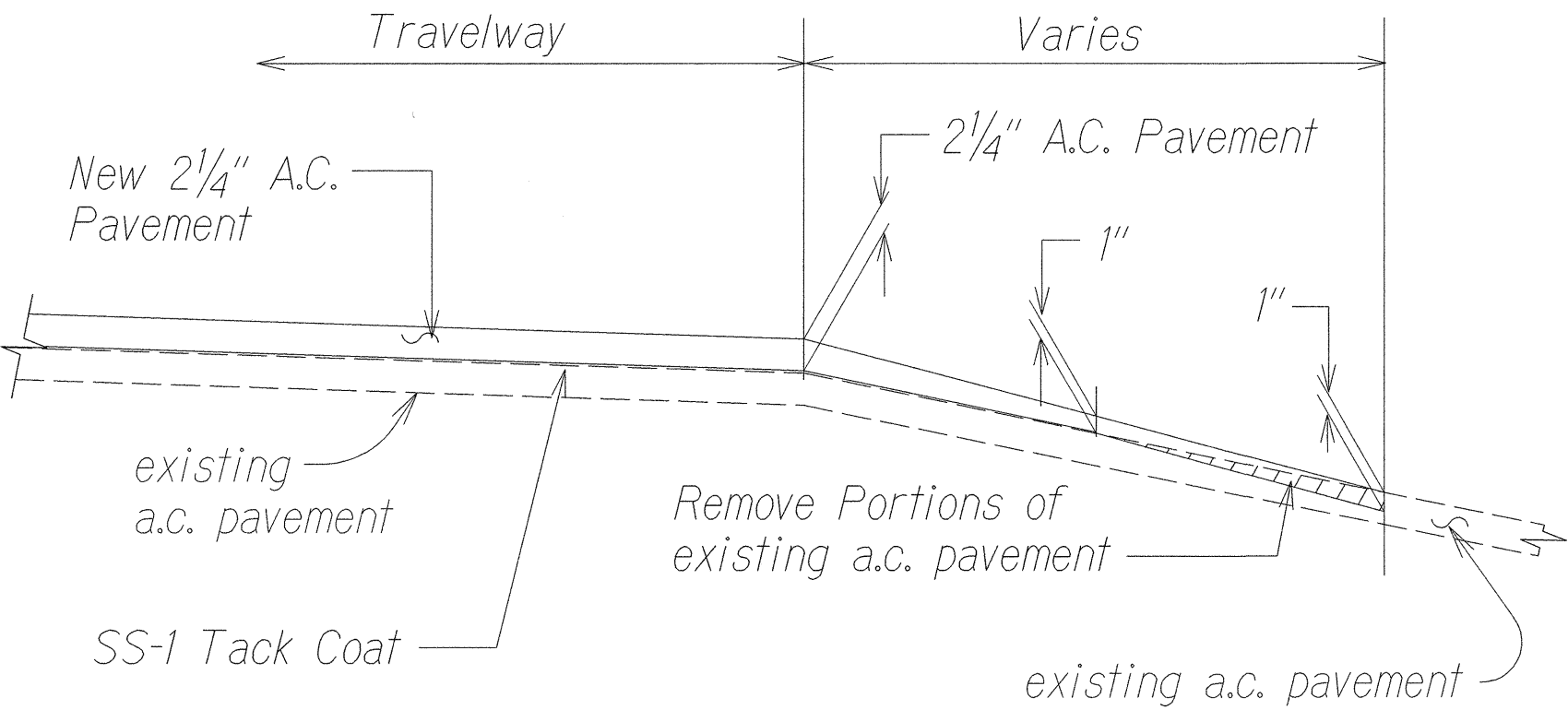
NOTE: Sawcut Joint at 8° Skew Across Road

TYPICAL TRANSITION AT START AND END OF WORK
Not to Scale

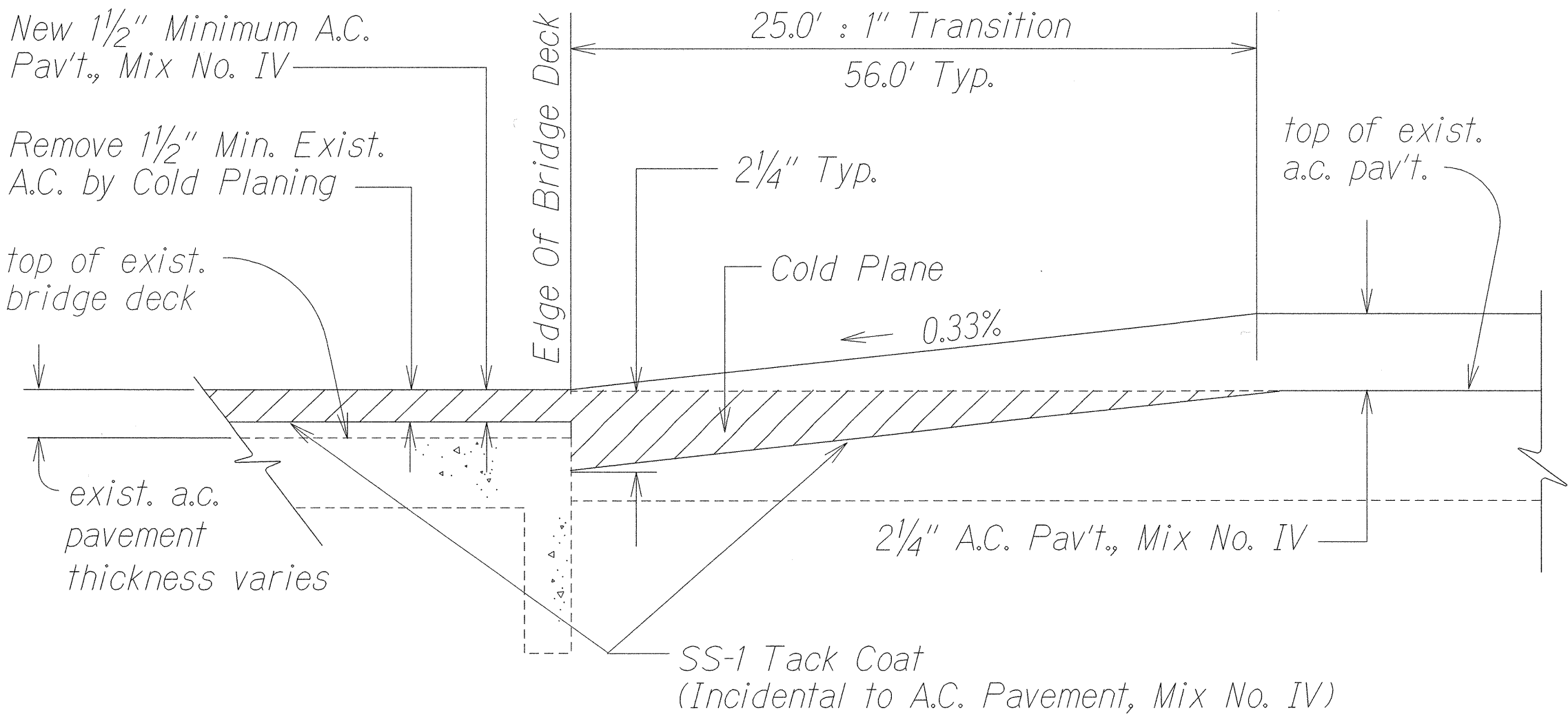
- Note:
- Minimum Pad Width Shall be 5'.
 - High Side Reach for Phone Shall Not Exceed 54".
 - Low Side Reach for Phone Shall Be No Less than 15".



SECTION
Not to Scale



TYPICAL PAVEMENT TRANSITION AT INTERSECTIONS
Not To Scale

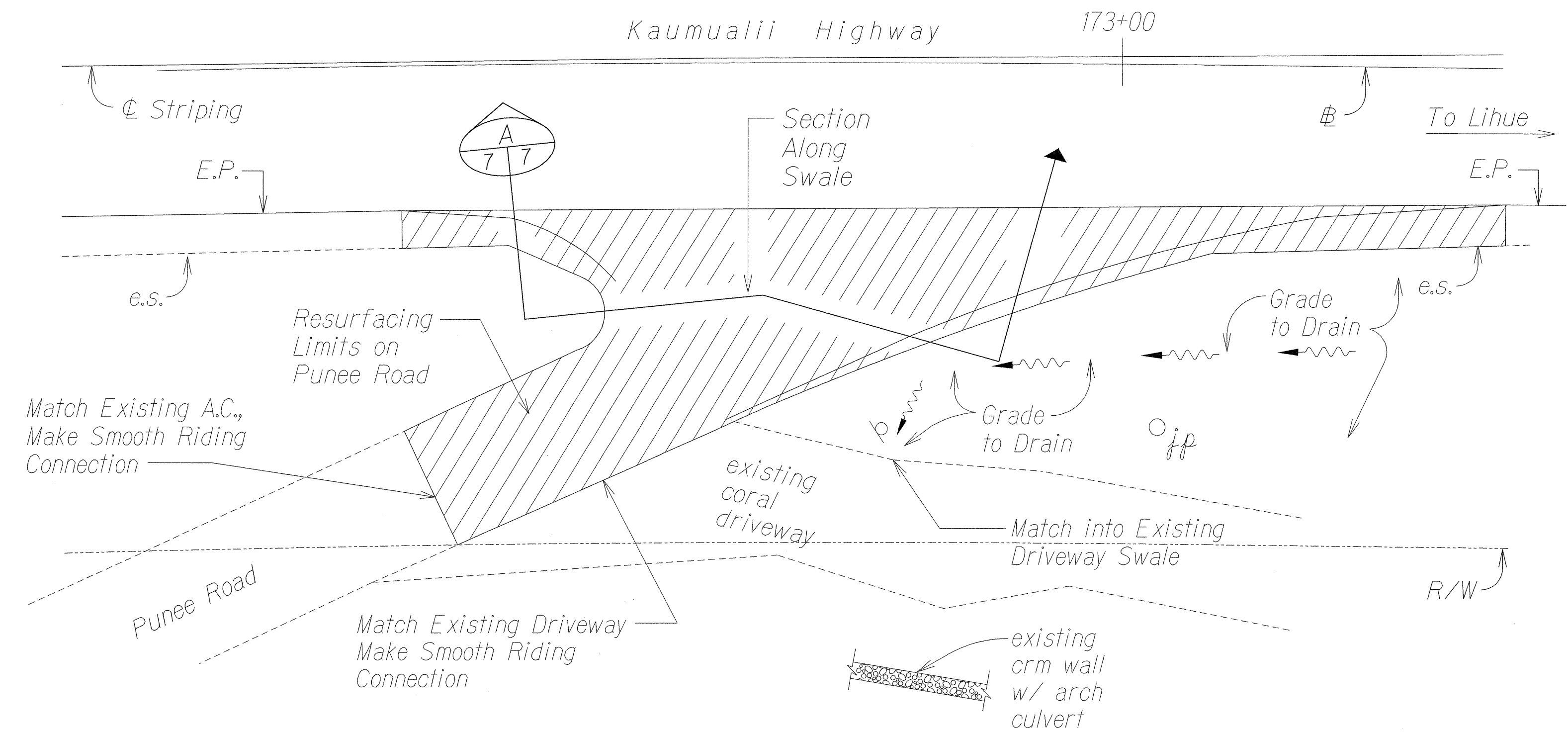


TYPICAL TRANSITION AT OMAO BRIDGE (BOTH ENDS)
Not To Scale

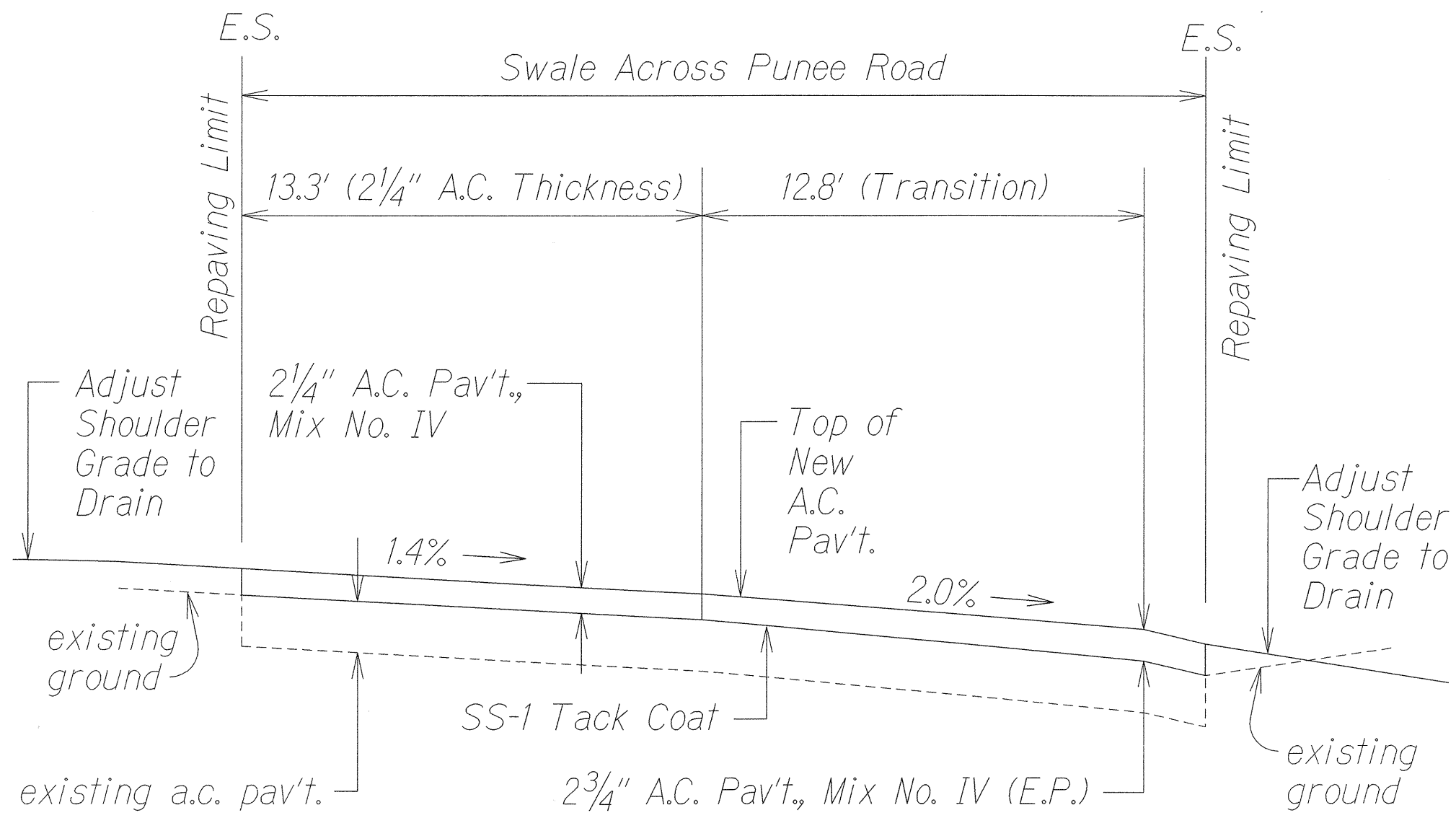
DATE	_____
DESIGNED BY	_____
CHECKED BY	_____
QUANTITIES BY	_____
NOTED BY	_____
ORIGINAL PLAN	_____

jkmukts03.dgn

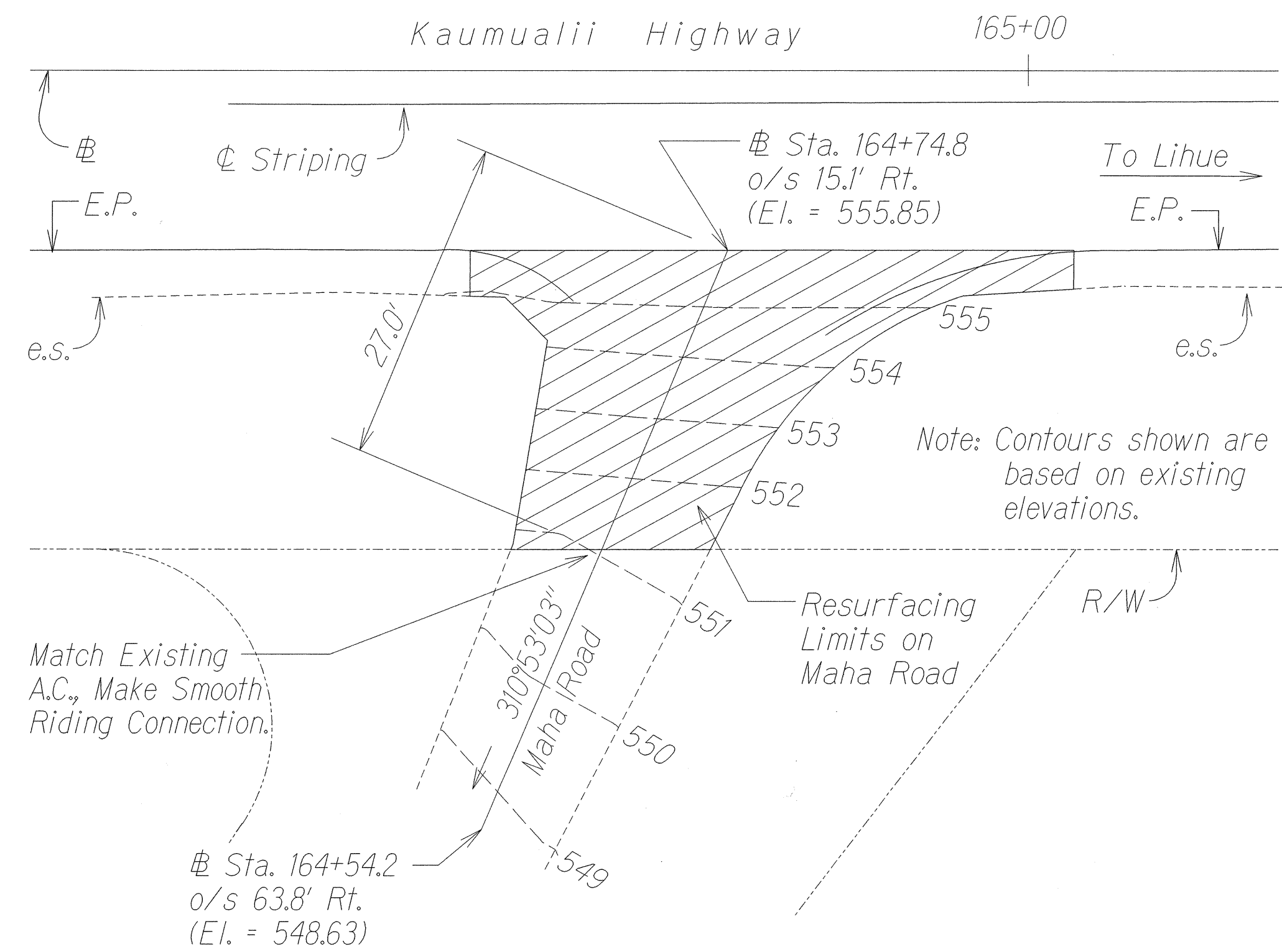
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50D-01-00M	2001	7	23



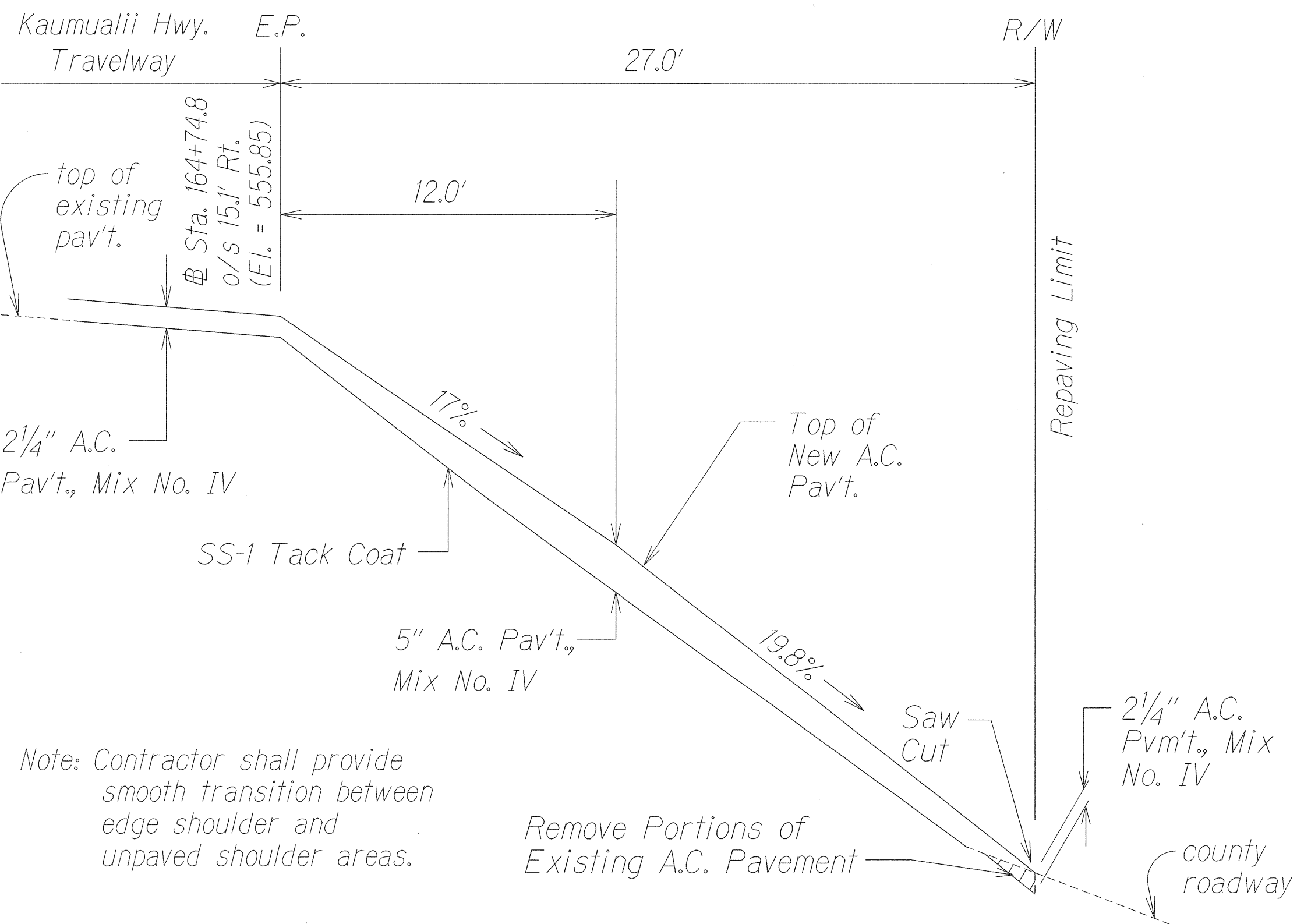
RESURFACING PLAN AT PUNEE ROAD
Not To Scale



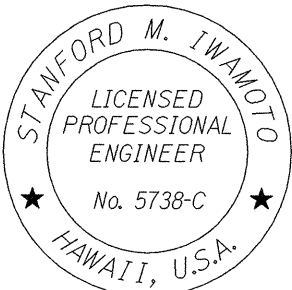
RESURFACING SECTION ALONG SWALE
Not To Scale



RESURFACING PLAN AT MAHA ROAD
Not To Scale



RESURFACING PROFILE AT MAHA ROAD
Not To Scale



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**TYPICAL PLANS,
SECTIONS, AND DETAILS**
ROUTE 50,
KAUMUALII HIGHWAY RESURFACING
Vicinity of Maluhia Road to O'ao Road
Project No. 50D-01-00M

Scale: Not to Scale Date: August, 2000

SHEET No. 3 OF 3 SHEETS