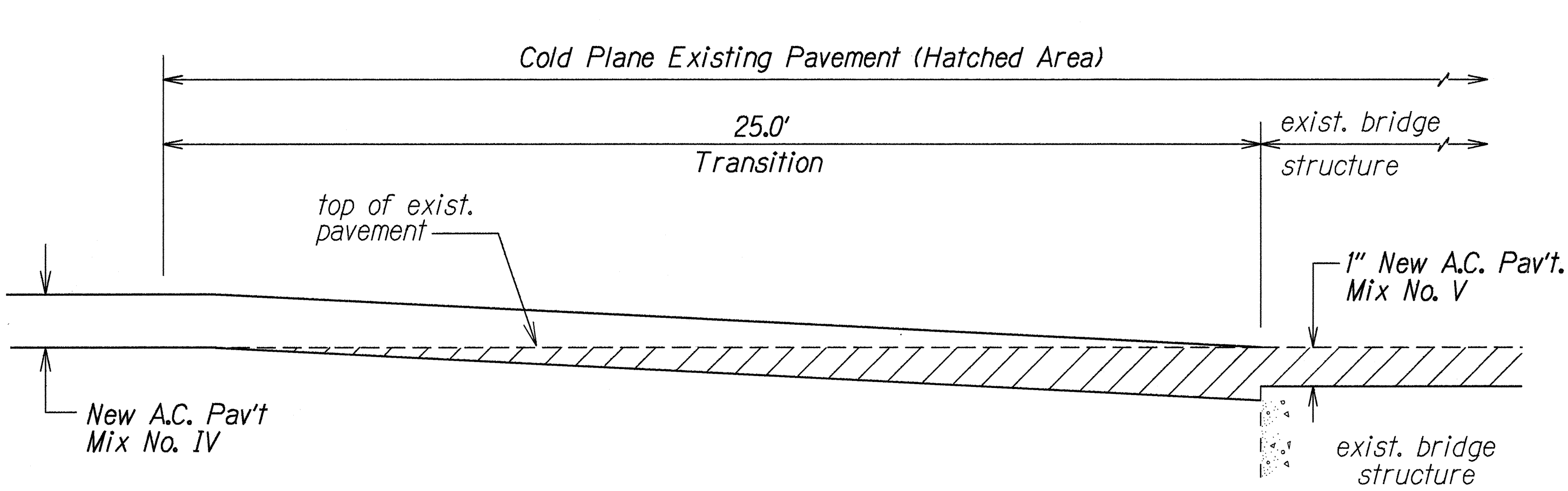
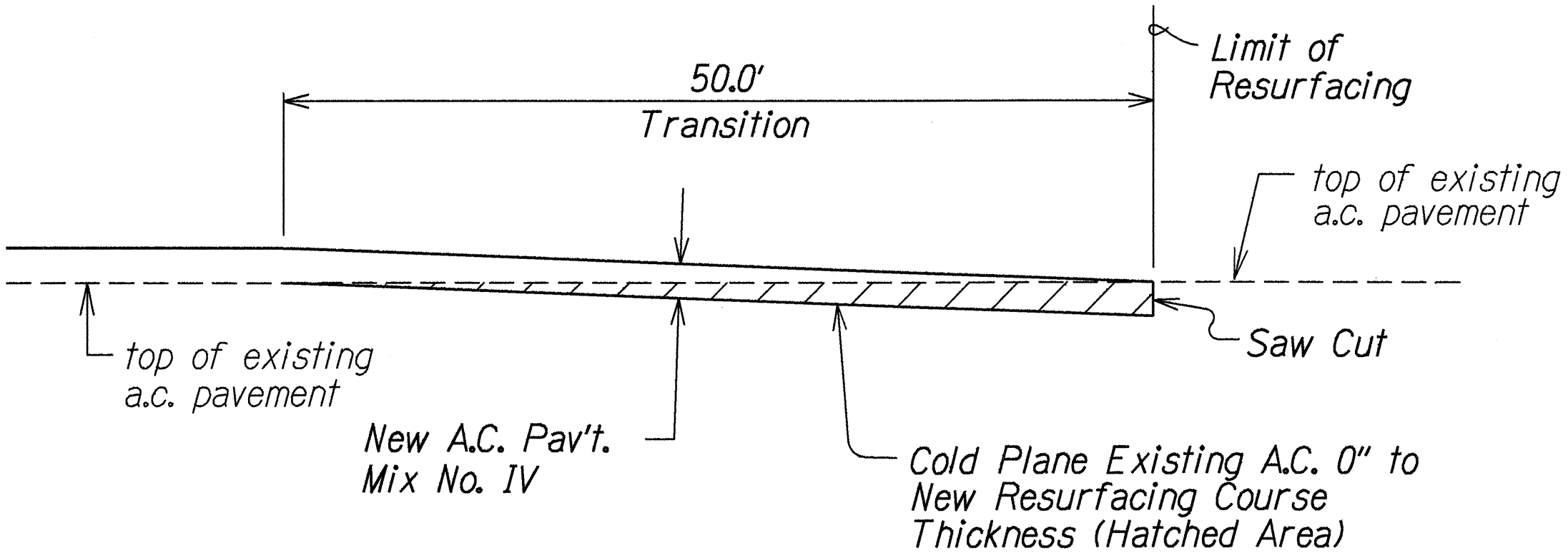


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-011-2(25)	1995	5	39



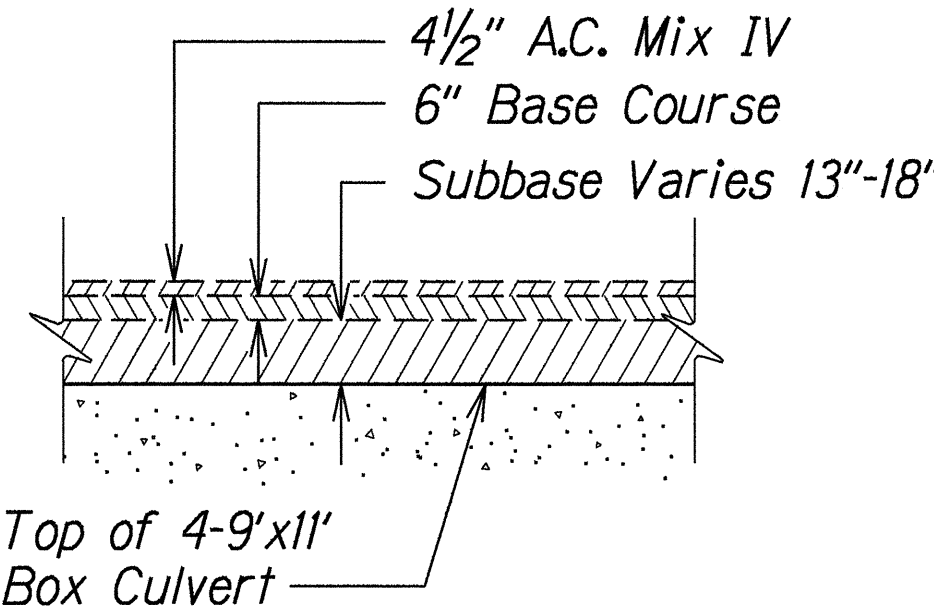
COLD PLANED TRANSITION AND RESURFACING
OVER EXISTING STRUCTURE DETAIL

Not to Scale



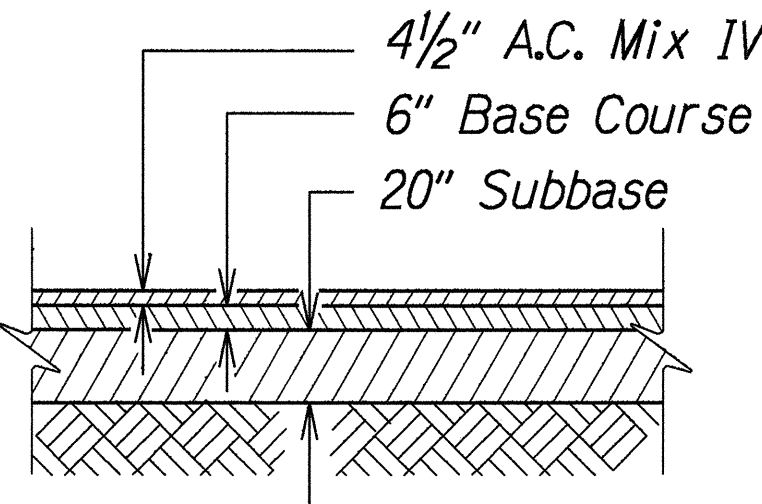
COLD PLANED TRANSITION
TO EXISTING A.C. PAVEMENT DETAIL

Not to Scale



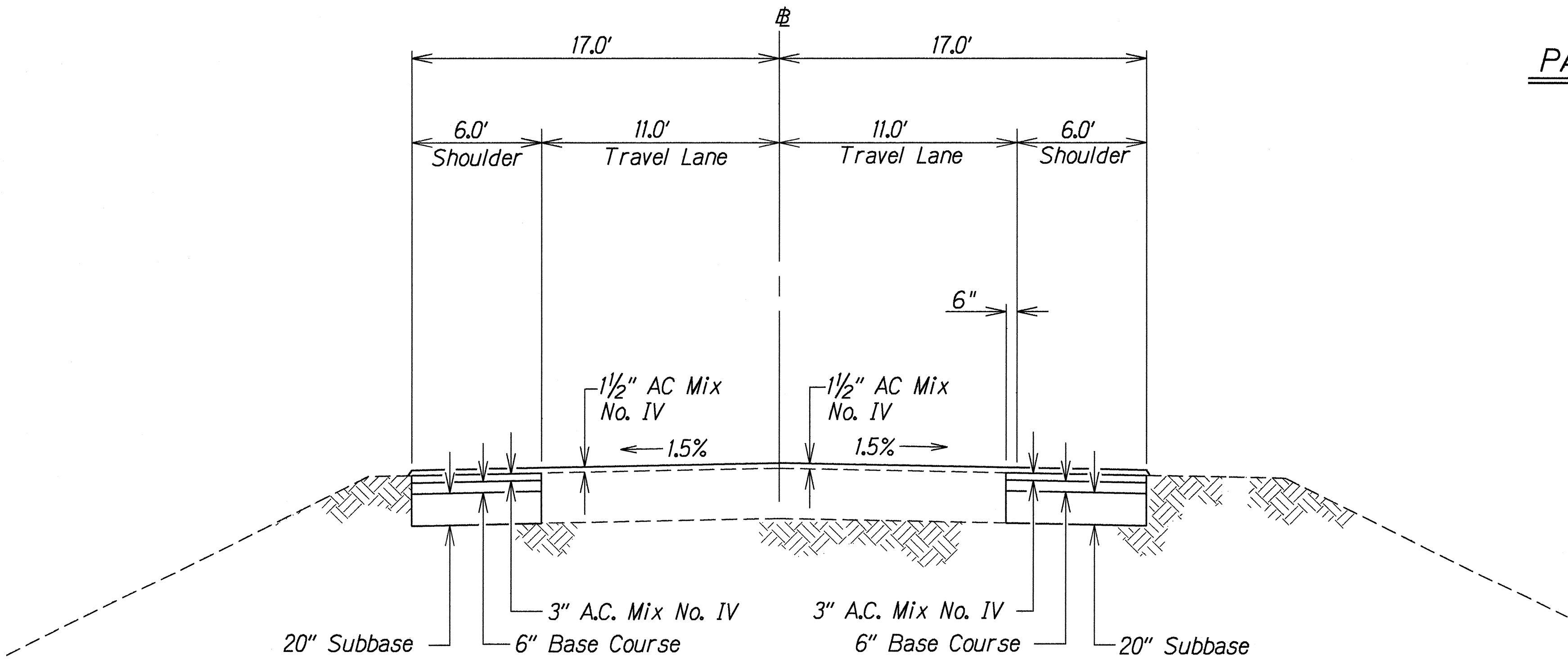
PAVEMENT SECTION OVER CULVERT
AND NEAR STRUCTURE

Not to Scale



ROADWAY PAVEMENT SECTION

Not to Scale



ROADWAY TYPICAL SECTION

± STA. 178+80 TO 180+99 AND ± STA. 181+00 TO 182+98

Scale: 1/4" = 1' - 0"

ORIGINAL PLAN	DATE
DESIGNED BY	11-24-95
TRACED BY	
NOTES BOOK	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**TYPICAL SECTIONS
& DETAILS**
MAMALAHOA HIGHWAY
Drainage Improvements at
Piikea Stream Bridge
Fed. Aid Proj. No. STP-011-2(25)

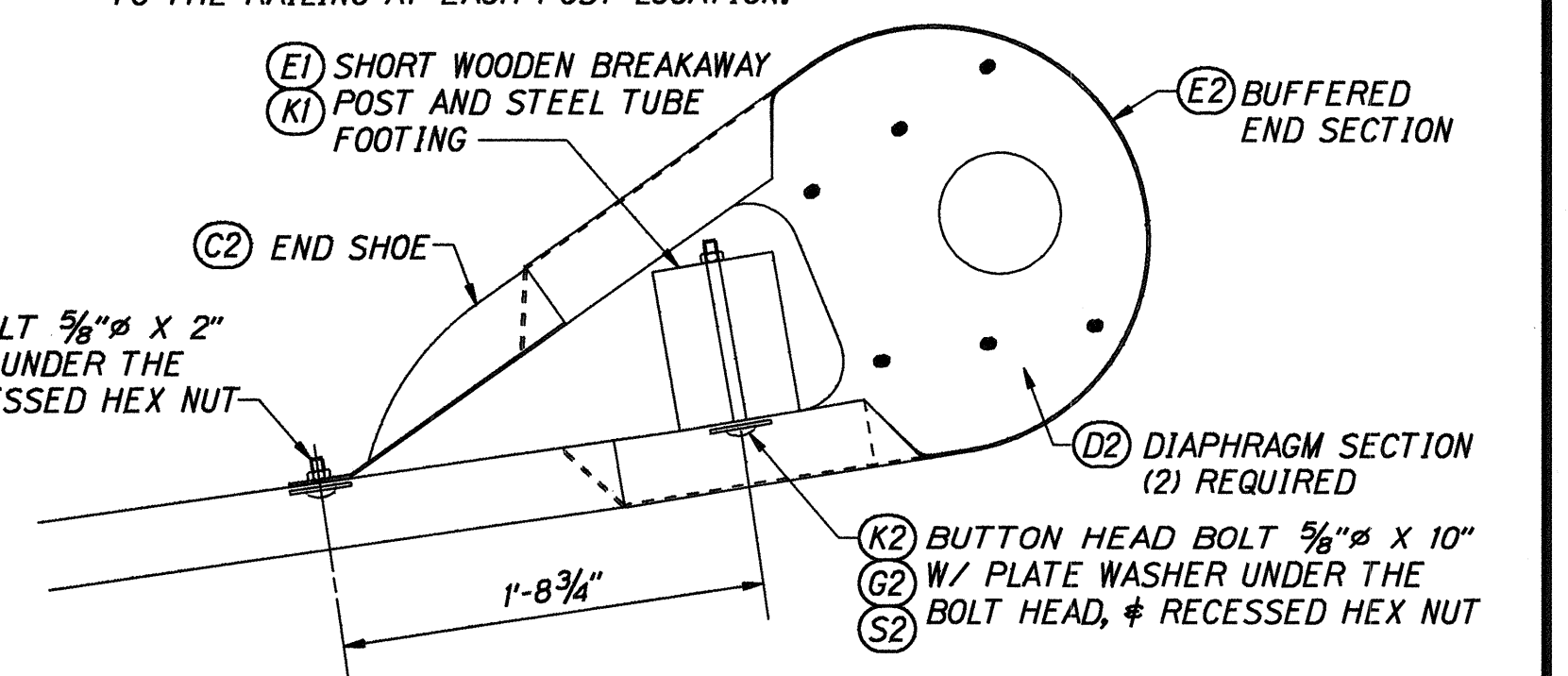
Scale: As Shown
Date: Sept., 1993

SHEET No. 1 OF 1 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-011-2(25)	1995	ADD55-1	39

NOTES

1. THE POST OFFSET DIMENSIONS ARE GIVEN TO THE CENTER OF THE TRAFFIC FACE OF THE BLOCKOUTS, EXCEPT AT THE FIRST POST, WHERE THE DIMENSION IS TO THE CENTER OF THE TRAFFIC FACE OF THE POST. OFFSET POINTS ARE TO BE LOCATED BY CHORD MEASUREMENTS AT THE BACK OF THE RAIL EQUAL TO THE NOMINAL POST SPACINGS SHOWN. POSTS ARE TO BE SET APPROXIMATELY RADIAL TO THE RAILING AT EACH POST LOCATION.



BUFFERED END ASSEMBLY

SUMMARY OF COMPONENTS

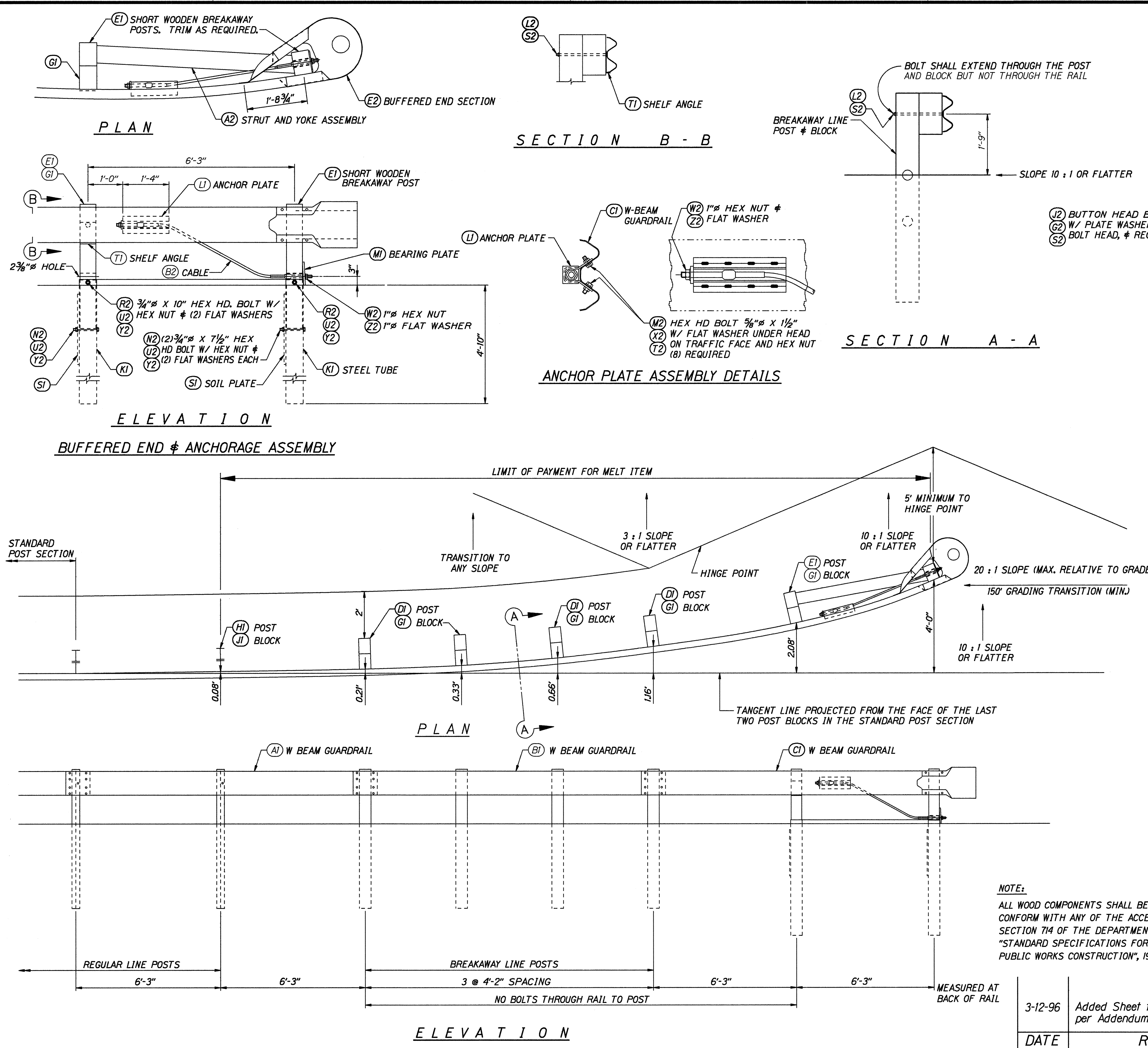
FIND NO.	DESCRIPTION
(A1)	GUARDRAIL, 12GA X 12'-6"
(B1)	GUARDRAIL, 12GA X 12'-6"
(C1)	GUARDRAIL, 12GA X 12'-6"
(D1)	BREAKAWAY LINE POST, TIMBER - 6" X 8" X 6'-0"
(E1)	BREAKAWAY POST, TIMBER - 5 1/2" X 7 1/2" X 3'-6 1/2"
(G1)	BLOCK, TIMBER - 5 1/2" X 7 1/2" X 1'-2"
(H1)	POST - W6 X 8.5 X 6'-0"
(J1)	BLOCK - W6 X 8.5 X 1'-2"
(K1)	SOIL TUBE - TS 8 X 6 X .188 X 5'-0"
(L1)	CABLE ANCHOR BRACKET
(M1)	BEARING PLATE
(R1)	PIPE SPACER
(S1)	SOIL PLATE
(T1)	SHELF ANGLE
(A2)	STRUT & YOKE ASSEMBLY
(B2)	CABLE ASSEMBLY
(C2)	END SHOE
(D2)	DIAPHRAGM PLATE
(E2)	BUFFERED END SECTION
(G2)	WASHER, PLATE
(H2)	BOLT, SPLICE 5/8" x 1 1/4"
(J2)	BOLT, POST 5/8" x 2"
(K2)	BOLT, POST 5/8" x 10"
(L2)	BOLT, POST 5/8" x 18"
(M2)	BOLT, HEX 5/8" x 1 1/2"
(N2)	BOLT, HEX 3/4" x 7 1/2"
(R2)	BOLT, HEX 3/4" x 10"
(S2)	NUT, HEX, RECESSED 5/8"
(T2)	NUT, HEX 5/8"
(U2)	NUT, HEX 3/4"
(W2)	NUT, HEX 1"
(X2)	WASHER, FLAT 5/8"
(Y2)	WASHER, FLAT 3/4"
(Z2)	WASHER, FLAT 1"

NOTE:

ALL WOOD COMPONENTS SHALL BE TREATED TO CONFORM WITH ANY OF THE ACCEPTED METHODS IN SECTION 714 OF THE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND PUBLIC WORKS CONSTRUCTION", 1994.

3-12-96	Added Sheet to the Contract Plans per Addendum No.1.
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
MODIFIED ECCENTRIC LOADER
TERMINAL (MELT)
MAMALAHOA HIGHWAY
DRAINAGE IMPROVEMENTS
Fed. Aid Project No. STP-011-2(25)
Not to Scale
Date: March, 1996
SHEET No. 1 OF 3 SHEETS



DESIGNED BY	DATE
DRAWN BY	3-12-96
CHECKED BY	
QUANTITIES BY	
REVISIONS	

