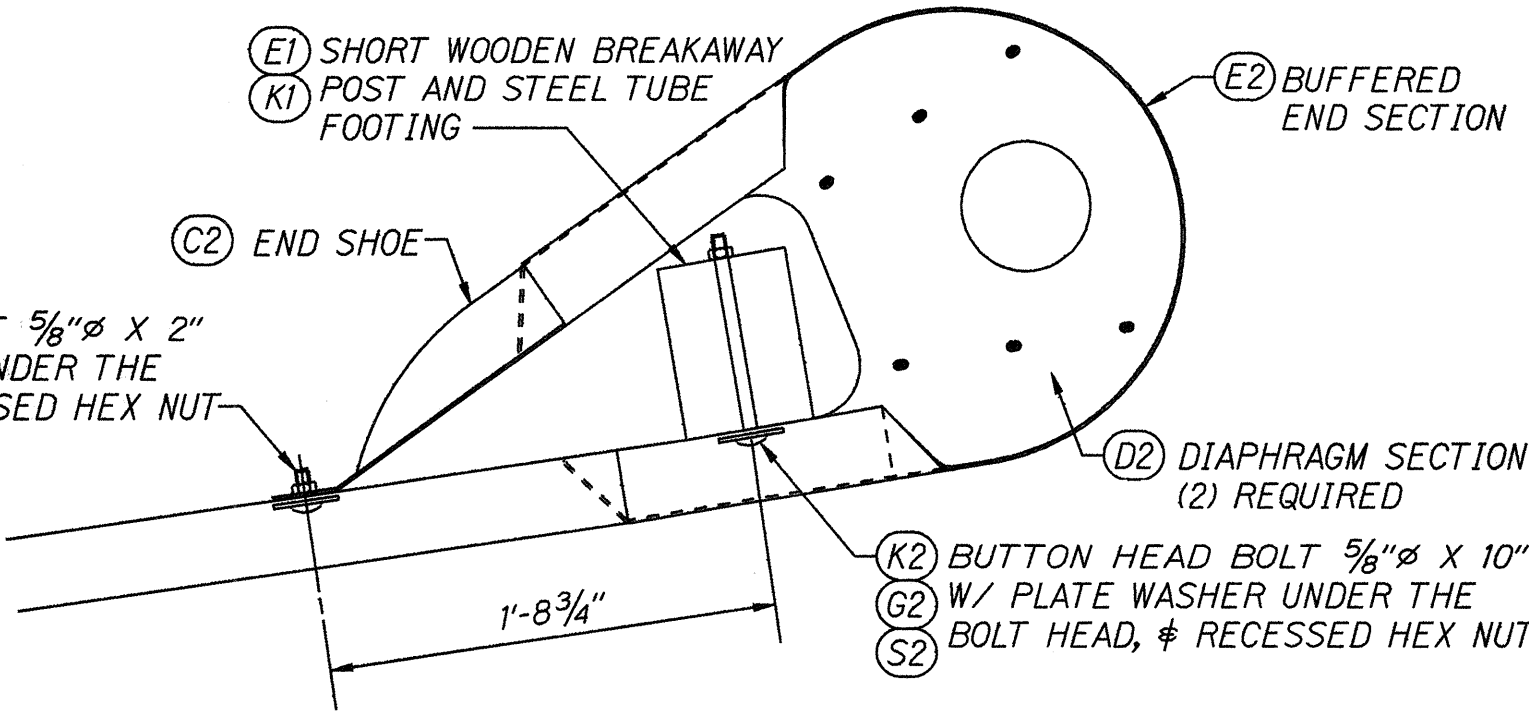


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0750(9)	1995	18	31

NOTES

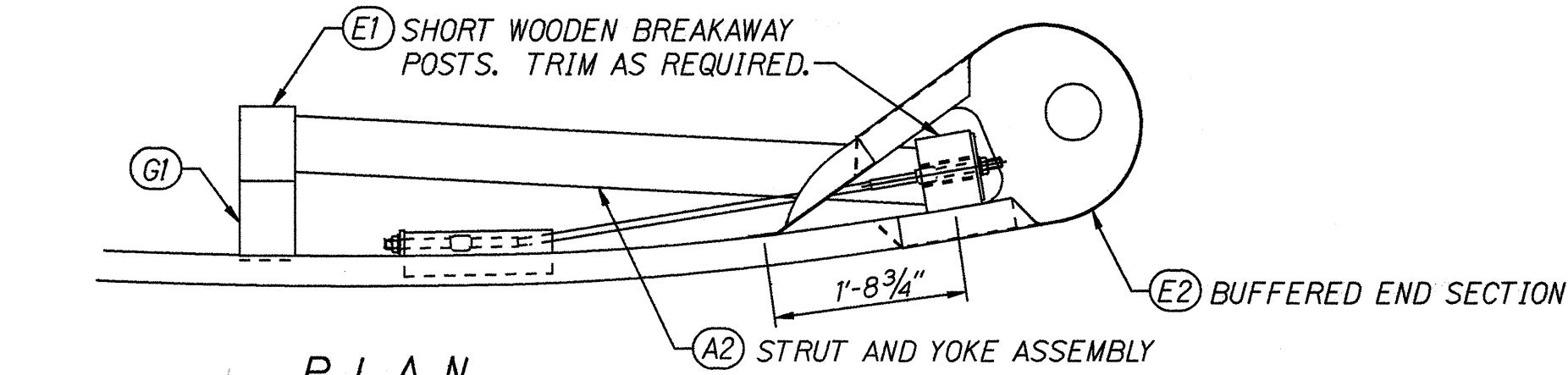
1. THE POST OFFSET DIMENSIONS ARE GIVEN TO THE CENTER OF THE TRAFFIC FACE OF THE BLOCKOUTS, EXCEPT AT THE FIRST POST, WHERE THE DIMENSION IS TO THE CENTER OF THE TRAFFIC FACE OF THE POST. OFFSET POINTS ARE TO BE LOCATED BY CHORD MEASUREMENTS AT THE BACK OF THE RAIL EQUAL TO THE NOMINAL POST SPACINGS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



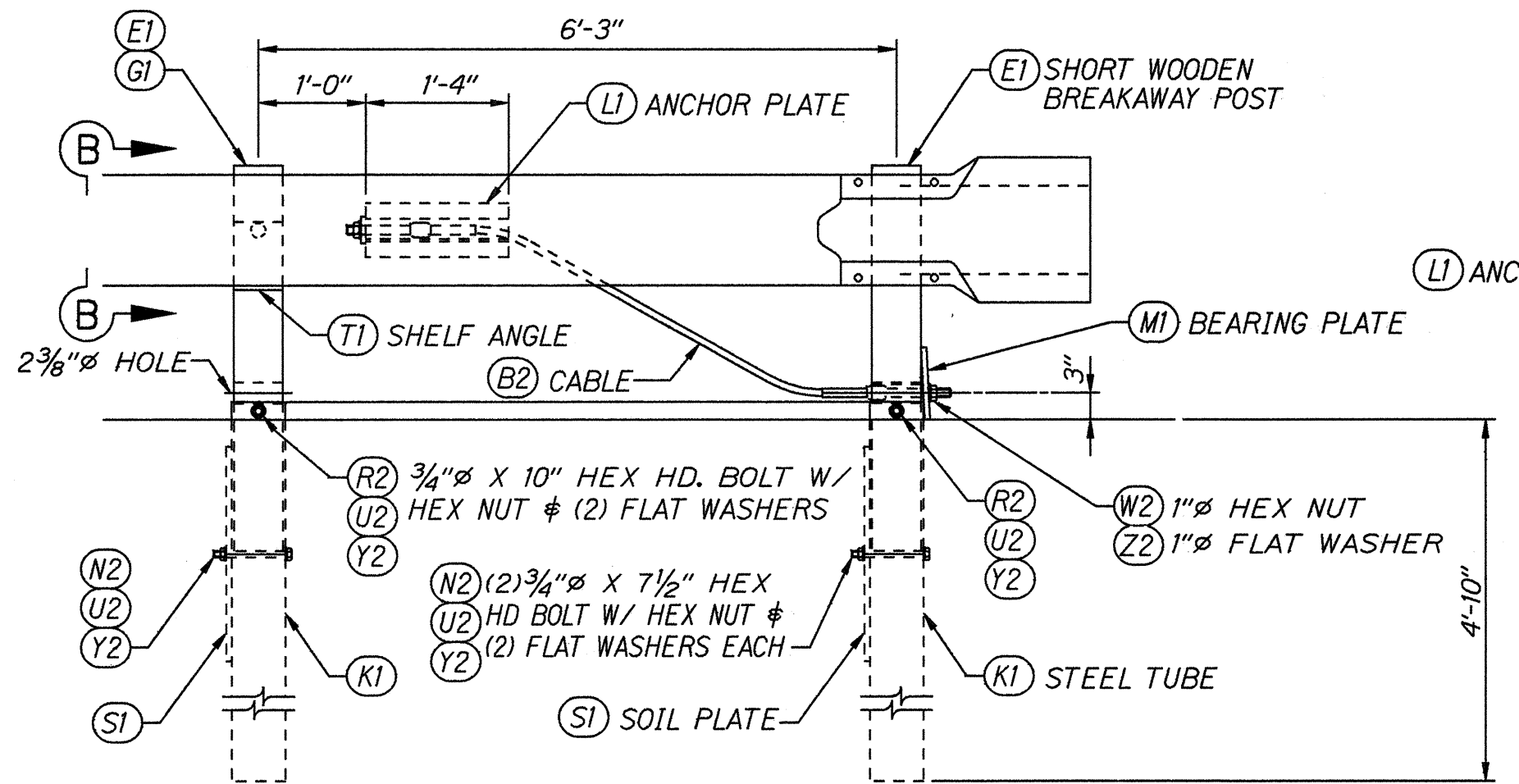
BUFFERED END ASSEMBLY

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"

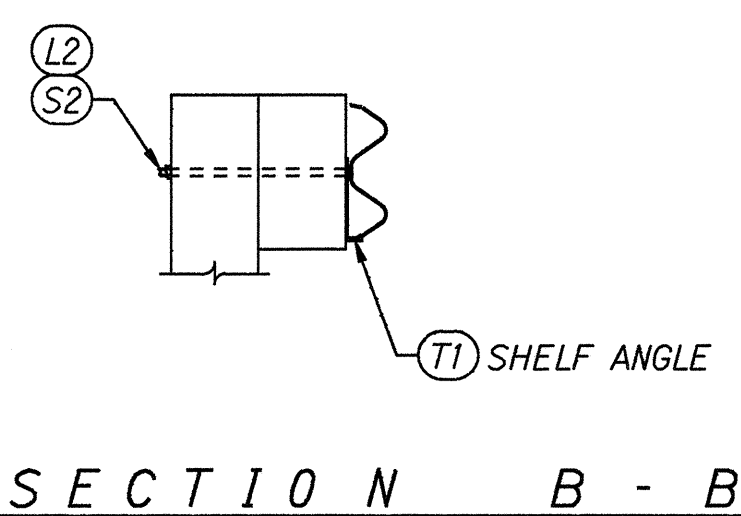


PLAN

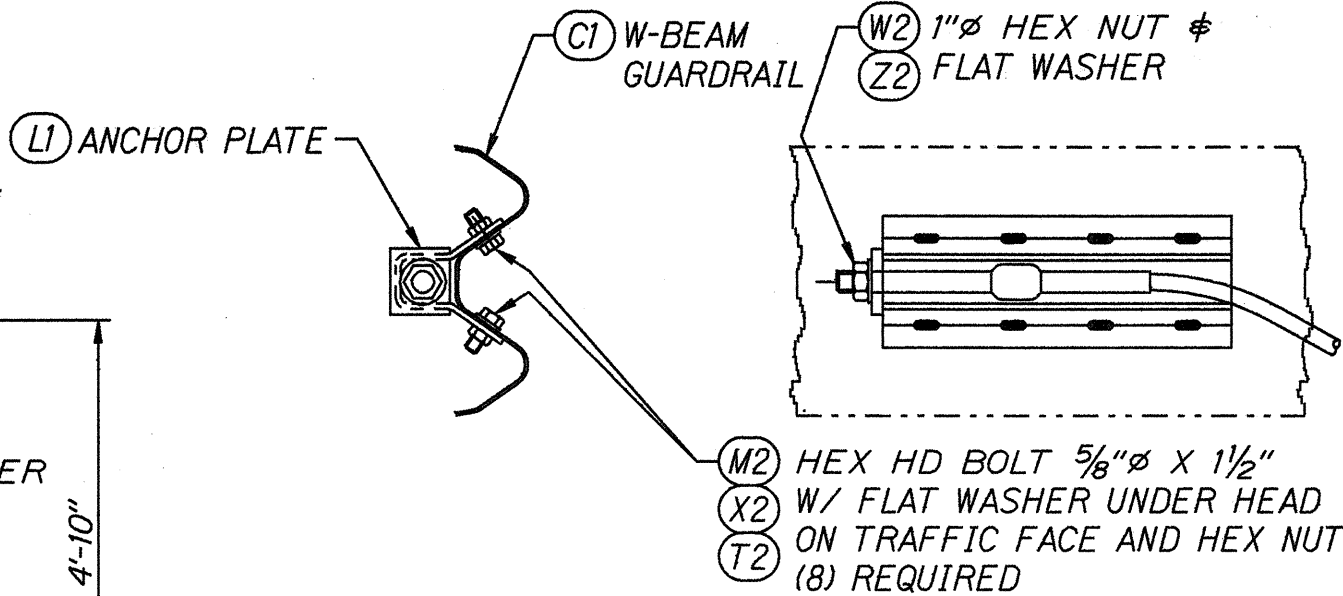


ELEVATION

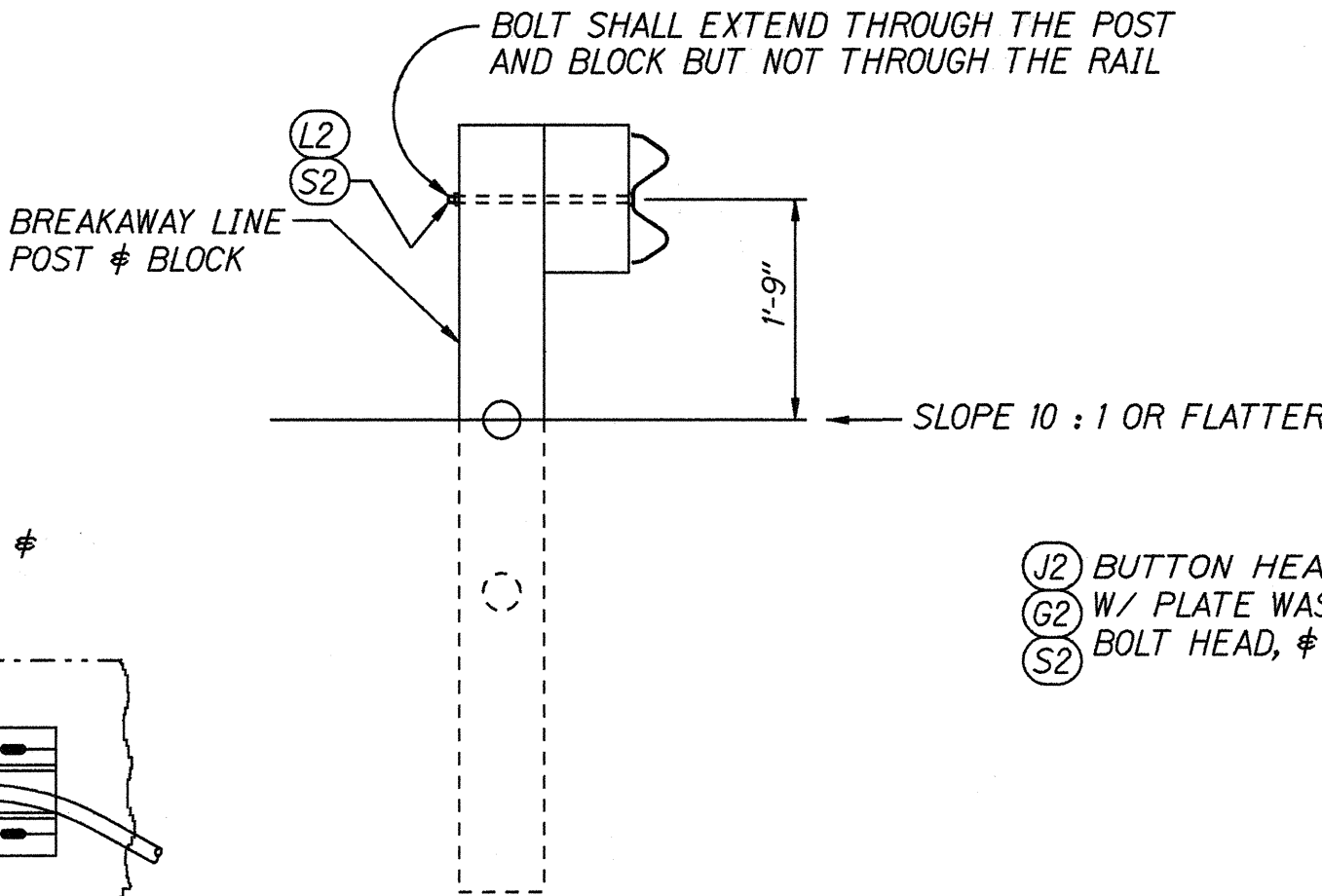
BUFFERED END & ANCHORAGE ASSEMBLY



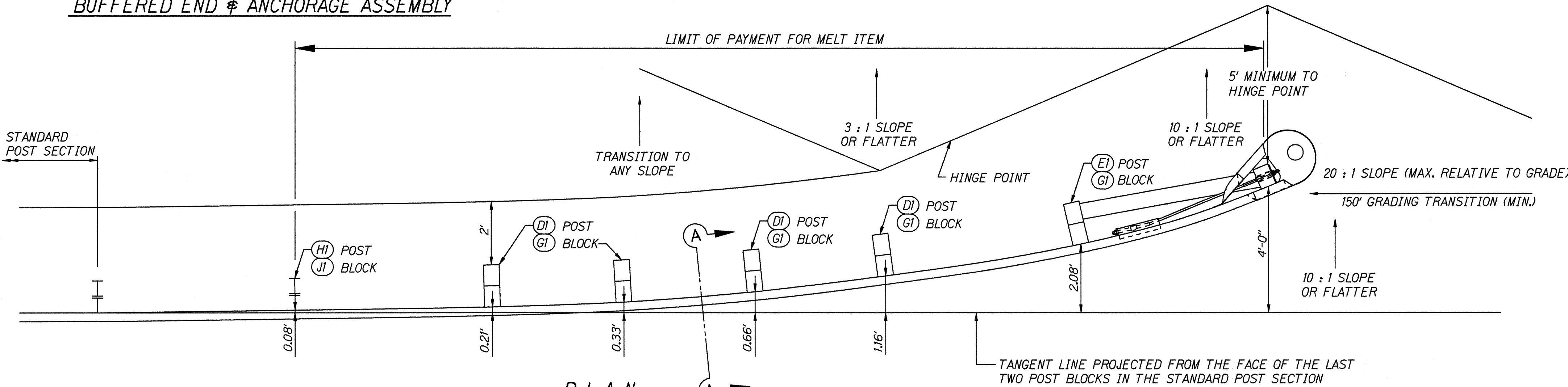
SECTION B - B



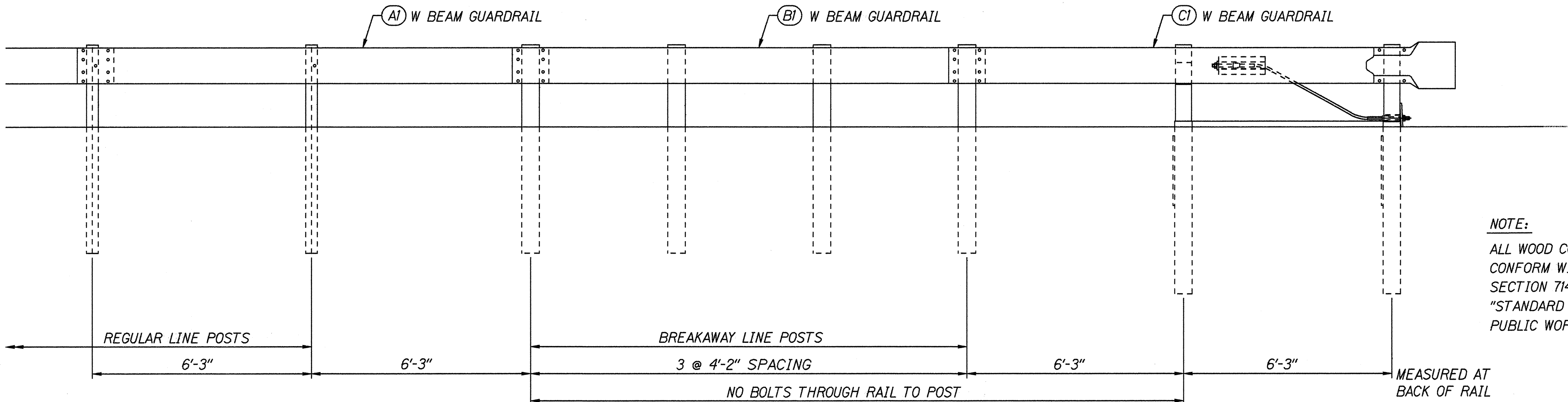
ANCHOR PLATE ASSEMBLY DETAILS



SECTION A - A



PLAN



ELEVATION

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.

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

MODIFIED ECCENTRIC LOADER

TERMINAL (MELT)

POST LAYOUT & ERECTION DETAILS

KUNIA ROAD RESURFACING

Hawaii Country Club to Kunia Gate

Fed. Aid Project No. STP-0750(9)

Not to Scale

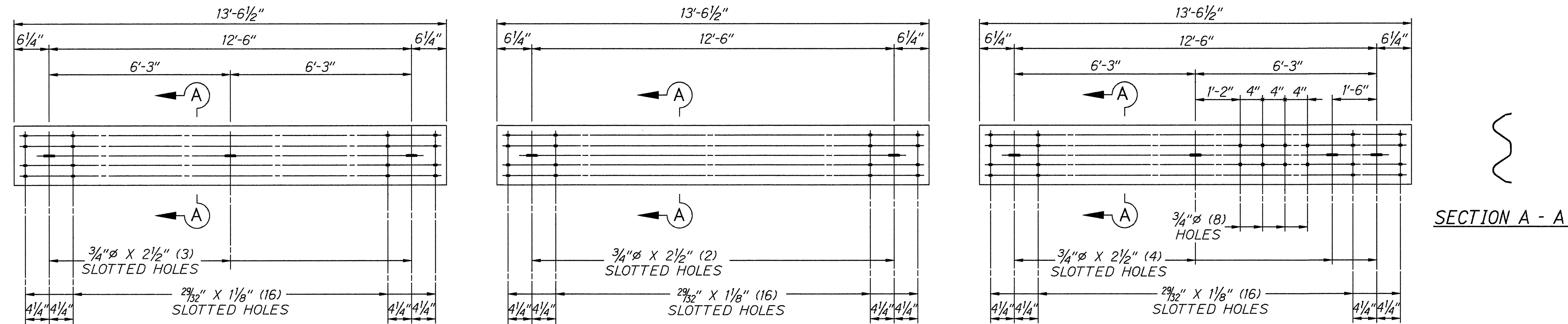
Date: April, 1995

SHEET No. 1 OF 3 SHEETS

SURVEY PLOTTED BY	DATE
PLAN	4/26/95
NOTES	
DESIGNED BY	
CHECKED BY	
DATE	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0750(9)	1995	19	31

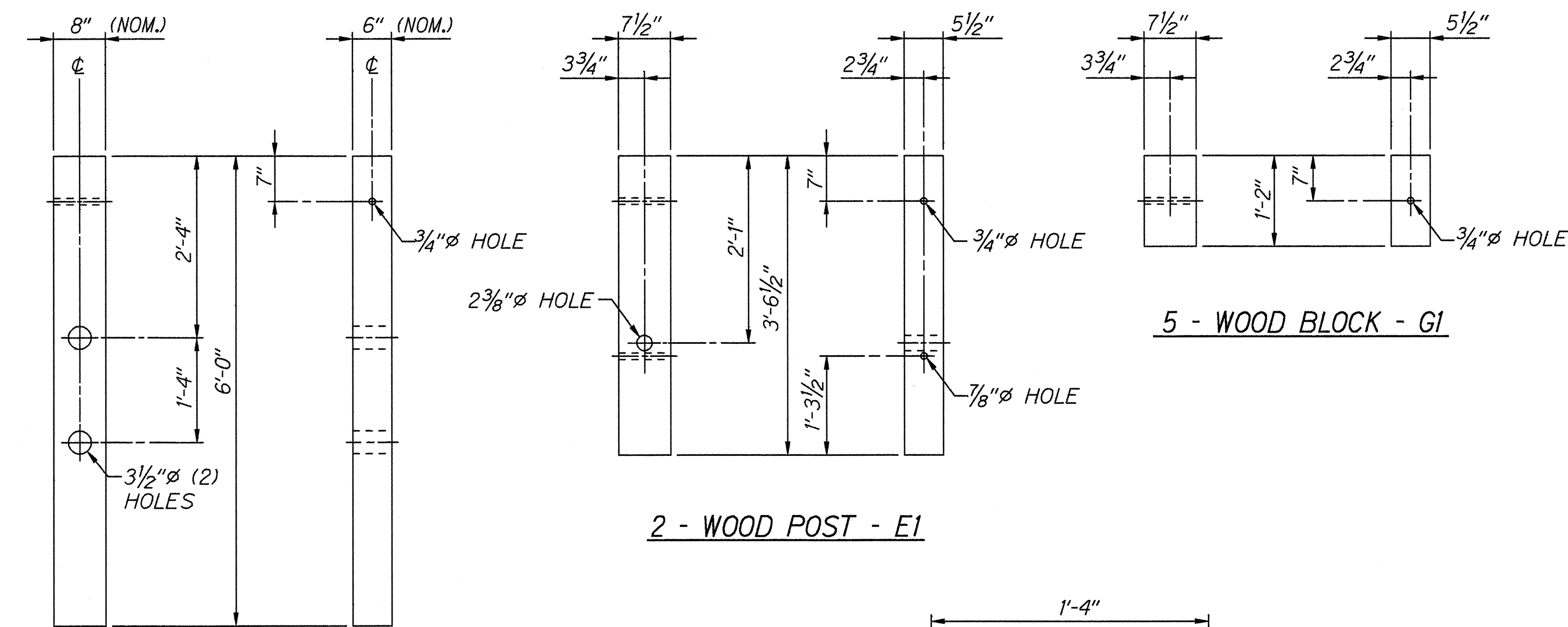
MATERIAL SCHEDULE							
FIND No.	PIECE MARK	MATERIAL	LENGTH		WEIGHT	UNIT WEIGHT	REMARKS
			FEET	INCHES			
A1		GUARDRAIL, W-BEAM				95.0	A123
		12 GA. W-BEAM GUARDRAIL	12	6	89.0	M180	
B1		GUARDRAIL, W-BEAM				95.0	A123
		12 GA. W-BEAM GUARDRAIL	12	6	89.0	M180	
C1		GUARDRAIL, W-BEAM				95.0	A123
		12 GA. W-BEAM GUARDRAIL	12	6	89.0	M180	
D1		BREAKAWAY LINE POST				88.0	
		TIMBER POST 6 X 8	6	0	352.0	M168	
E1		BREAKAWAY POST, SHORT				44.6	
		TIMBER POST 5½X 7½	3	6½	89.2	M168	
G1		BLOCK				16.8	
		TIMBER BLOCK 5½X 7½	1	2	84.0	M168	
H1		POST				54.9	A123
		W6 X 8.5	6	0	52.0	A36	
J1		BLOCK				11.0	A123
		W6 X 8.5	1	2	10.1	A36	
K1		SOIL TUBE				88.9	A123
		TS 8 X 6 X .1875	5	0	170.8	A500B	
L1		CABLE ANCHOR BRACKET				19.3	A123
a		PL¼X 12¾	1	4	17.6	A36	
b		PL½X 2¾	0	3	1.17	A36	
M1		BEARING PLATE				11.9	A123
c		PL¾X 8	0	8	11.3	A36	
d		PL¾X 1	0	8	0.4	A36	
R1		POST SLEEVE				1.76	A123
		PIPE 2Ø STD	0	5½	1.67	A53	
S1		SOIL PLATE				84.8	A123
		PL¼X 24	2	0	40.8	A36	
T1		SHELF ANGLE				3.7	A123
		PL¼X 6	0	8½	3.61	A36	



ONE - GUARDRAIL - A1

ONE - GUARDRAIL - B1

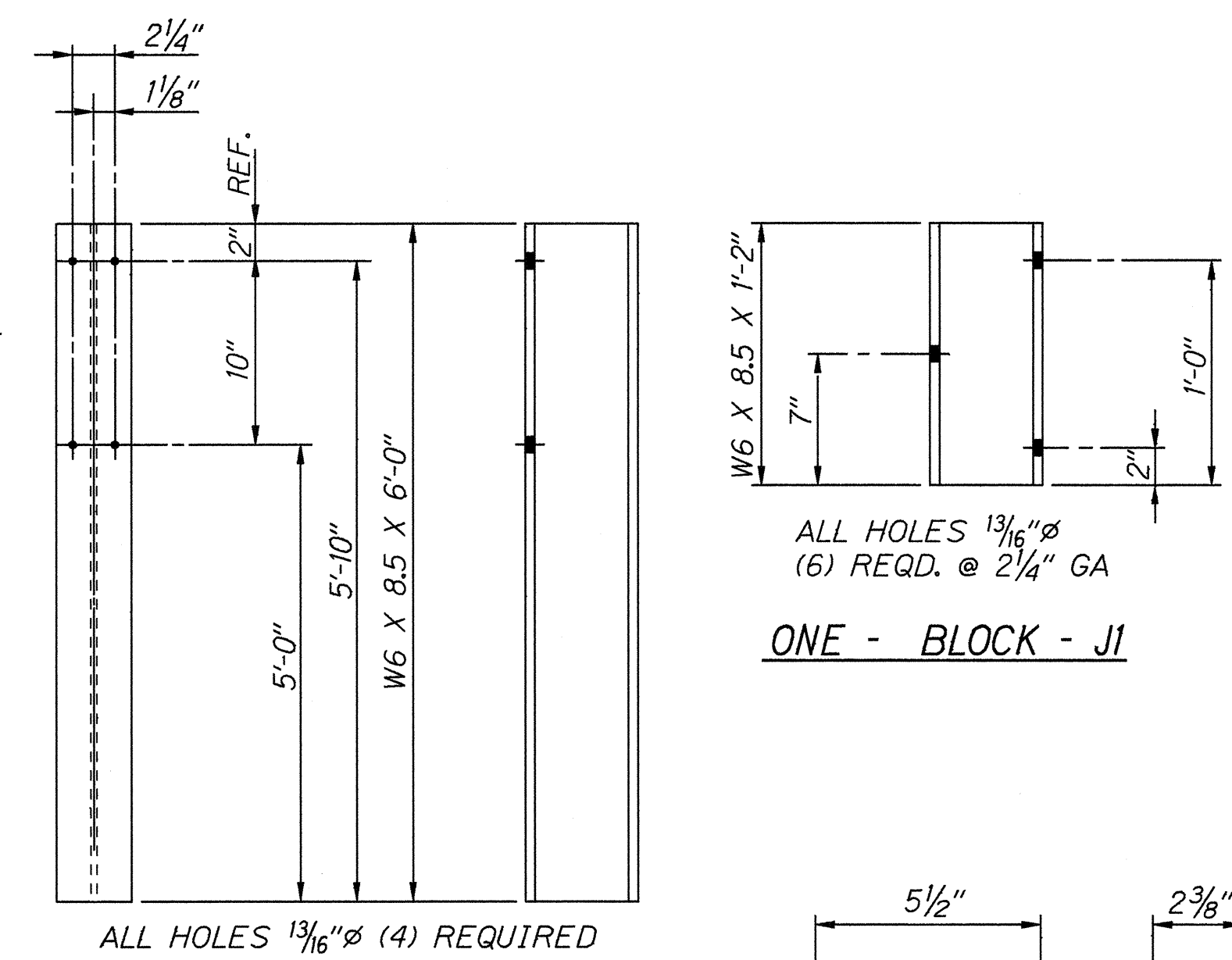
ONE - GUARDRAIL - C1



2 - WOOD POST - E1

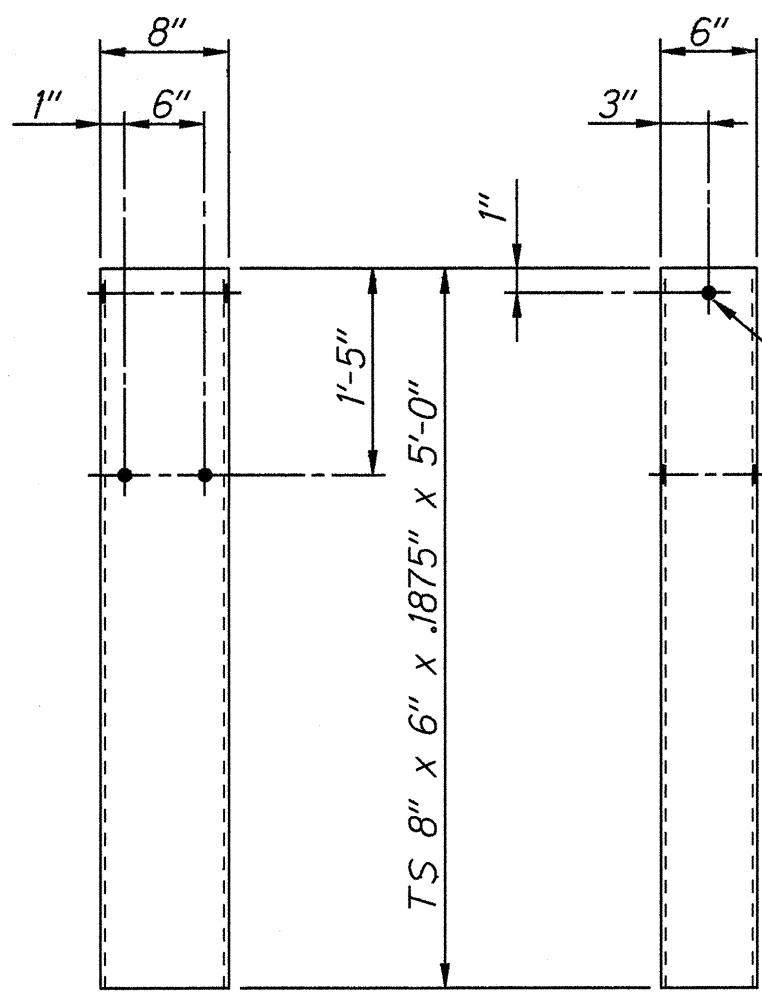
5 - WOOD BLOCK - G1

4 - WOOD POST - D1

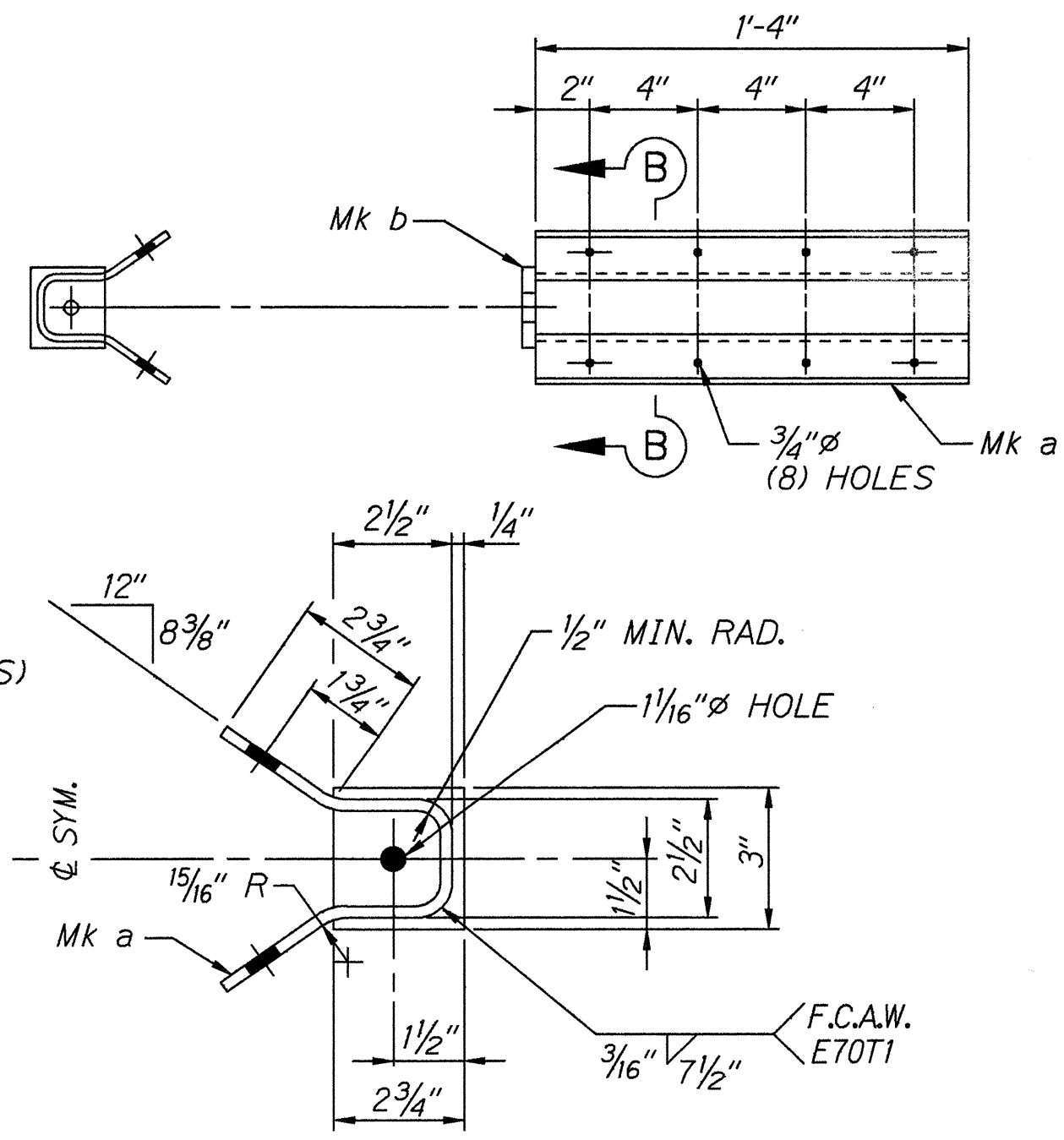


ONE - POST - H1

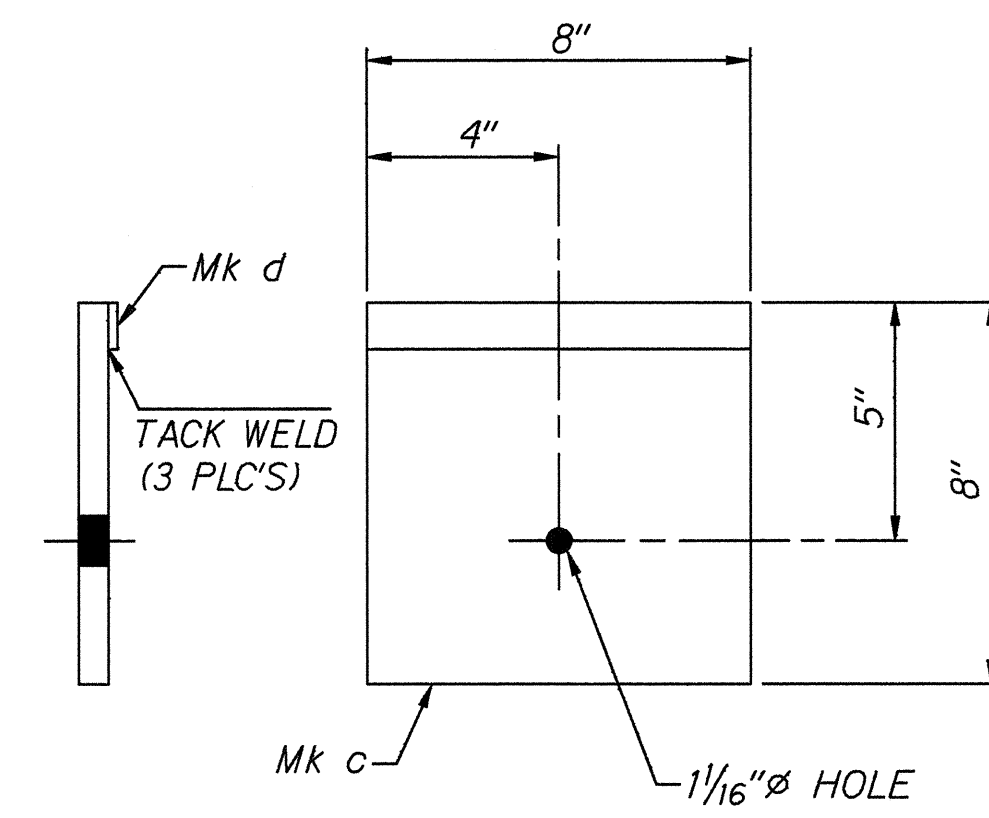
ONE - PIPE SPACER - R1



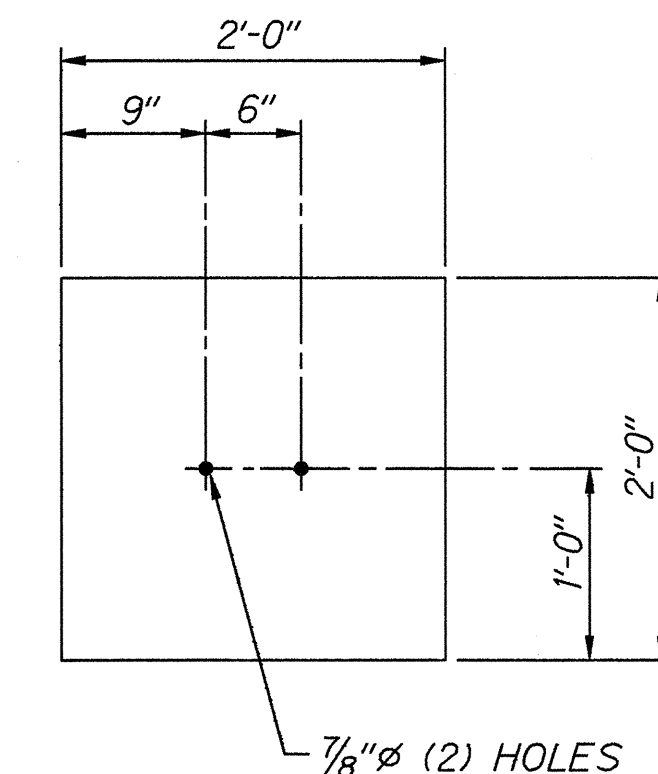
2 - SOIL TUBE - K1



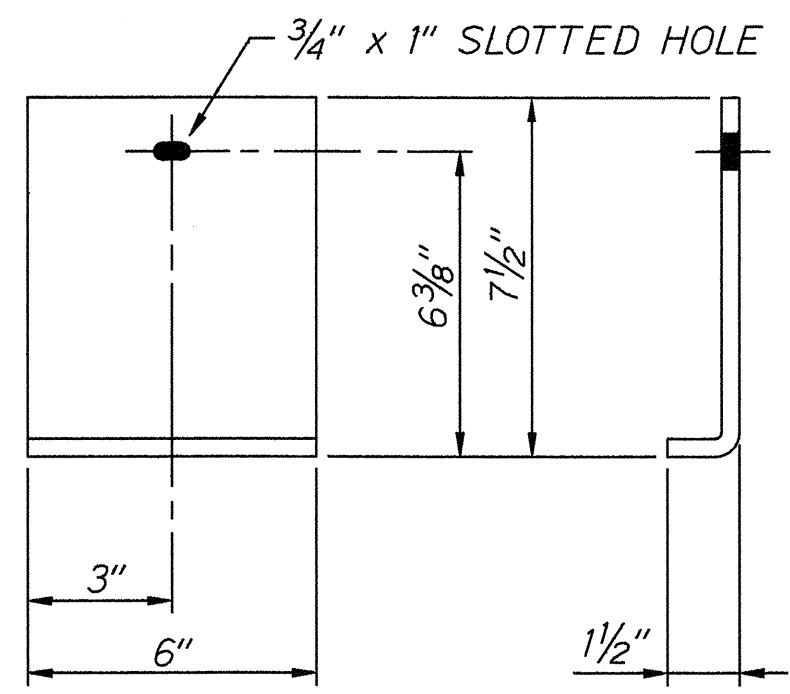
ONE - CABLE ANCHOR BRACKET - L1



ONE - BEARING PLATE - M1



2 - SOIL PLATE - S1



ONE - SHELF ANGLE - T1

ORIGINAL PLAN	DATE	4/28/95
SURVEY PLOTTED BY		
DRAWN BY		
TRACED BY		
NOTED BY		
QUANTITIES BY		
CHECKED BY		

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
MODIFIED ECCENTRIC LOADER
TERMINAL (MELT)
COMPONENT DETAILS
KUNIA ROAD RESURFACING
Hawaii Country Club to Kunia Gate
Fed. Aid Project No. STP-0750(9)
Not to Scale Date: April, 1995
SHEET No. 2 OF 3 SHEETS

