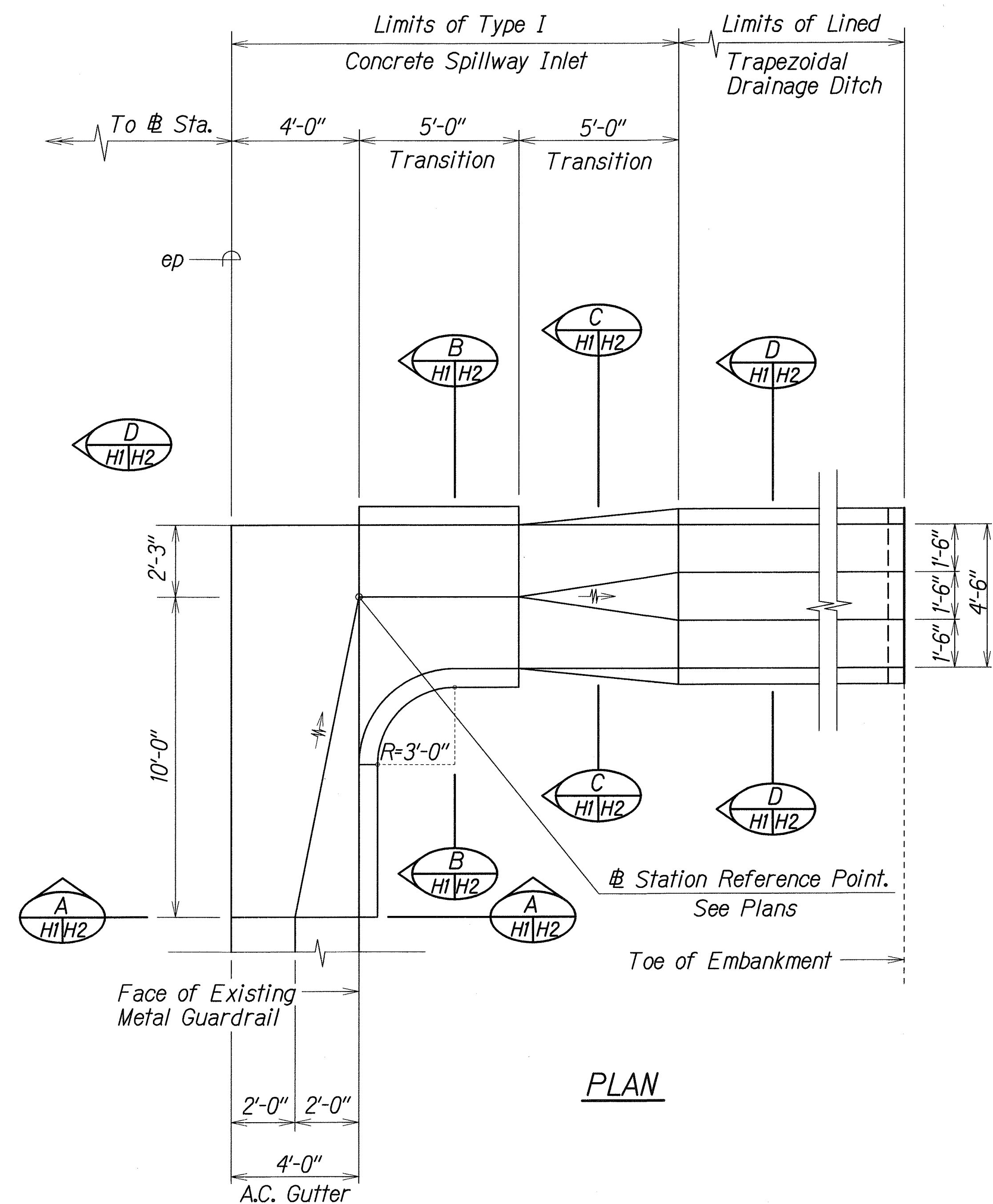


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0750(9)	1995	16	31



TYPICAL DETAILS OF TYPE I CONCRETE SPILLWAY INLET
AND 1'-6"x1'-6" LINED TRAPEZOIDAL DRAINAGE DITCH

ITEM NO.	207.0100	609.7200	640.1000	640.8000	640.9000
UNIT USED	C.Y.	L.F.	EA.	EA.	EA.
STATION					
Ditch and Channel Excavation					
Type 2, 61614 Gutter					
1'-6" x 1'-6" Lined Trapezoidal Drainage Ditch					
Type I Concrete Spillway Inlet					
Type I Concrete Spillway Inlet					
246+84 to 248+50 Lt.		166			
246+74 Lt.	10.3		44	1	
263+61 to 265+46 Lt.		185			
265+56 Lt.	4.3		14.5		1
265+66 to 265+96 Lt.		30			
263+05 to 264+30 Rt.		125			
264+40 Rt.	4.3		20.5		1
264+50 to 265+68 Rt.		118			
281+48 to 282+56 Lt.		108			
282+66 Lt.	3.3		9	1	
281+44 to 282+96 Rt.		152			
283+06 Rt.	3.3		13	1	
291+21 to 292+91 Lt.		170			
293+01 Lt.	2.9		12		1
293+11 to 294+05 Lt.		94			

DRAINAGE NOTES:

- Existing drainage systems will be functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to accomplish maintenance of flow. The cost shall be incidental to the various Contract Items.
- The Contractor shall verify the locations of all existing culverts and utilities in the field. Any existing culverts and utilities damaged during construction shall be repaired or replaced by the Contractor at his own expense.
- Concrete shall be Class A unless otherwise noted.
- Chamfer all exposed concrete edges 1".
- Exact location of Concrete Spillway Inlet shall be determined by the Field Engineer.

ITEM NO.	207.0100	301.0200	609.7000	640.8000	640.9000	640.1000
UNIT USED	C.Y.	TON	L.F.	EA.	EA.	L.F.
STATION						
Ditch and Channel Excavation						
Asphalt Concrete Basecourse or (Alternatives)						
Gutter, Type 7 (4' Wide)						
Type I Concrete Spillway Inlet						
Type II Concrete Spillway Inlet						
1'-6"x1'-6" Lined Trapezoidal Drainage Ditch						
246+12 Lt.	11	24	162	1		44
263+74 Lt.	4	33	217		1	18
263+74 Rt.	4	37	242		1	18
282+32 Lt.	3	16	108	1		14
282+32 Rt.	3	16	108	1		14
292+82 Lt.	3	54	340		1	12

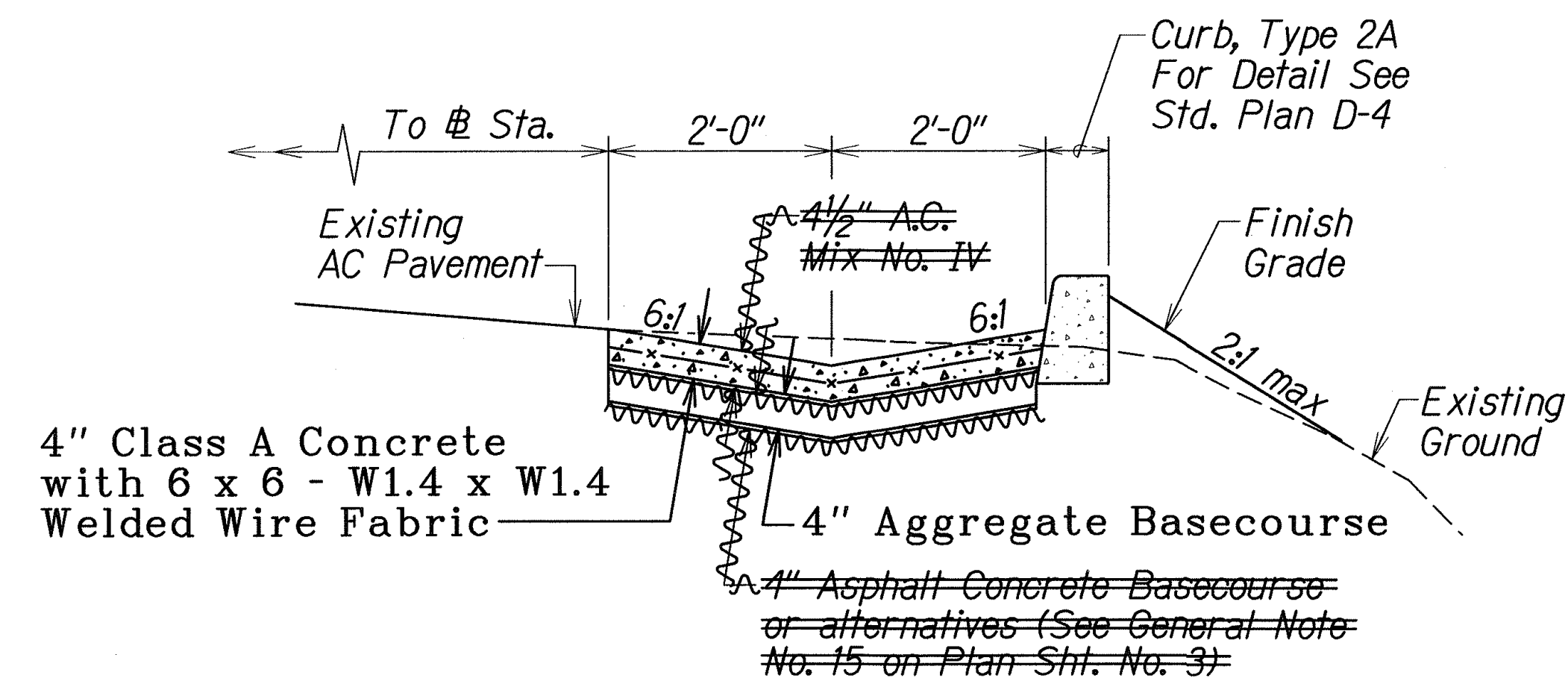
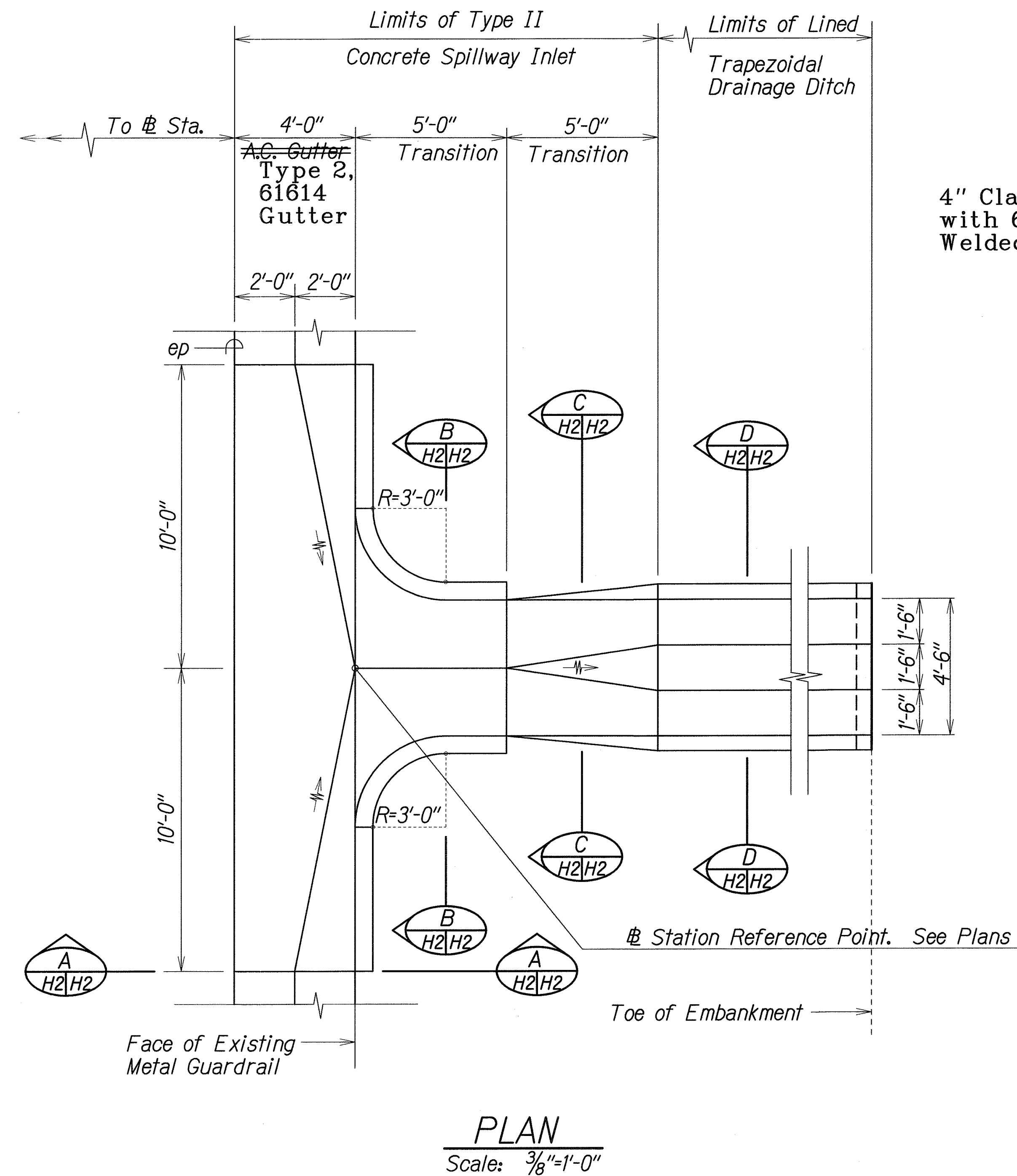
NOTE: C.C.O. NO.1 - Replace Gutter, Type 7 (4' Wide) with new Type 2, 61614 Gutter w/6x6 - W1.4 x W1.4 Welded Wire Fabric

LEGEND FOR	AS-BUILT POSTINGS
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

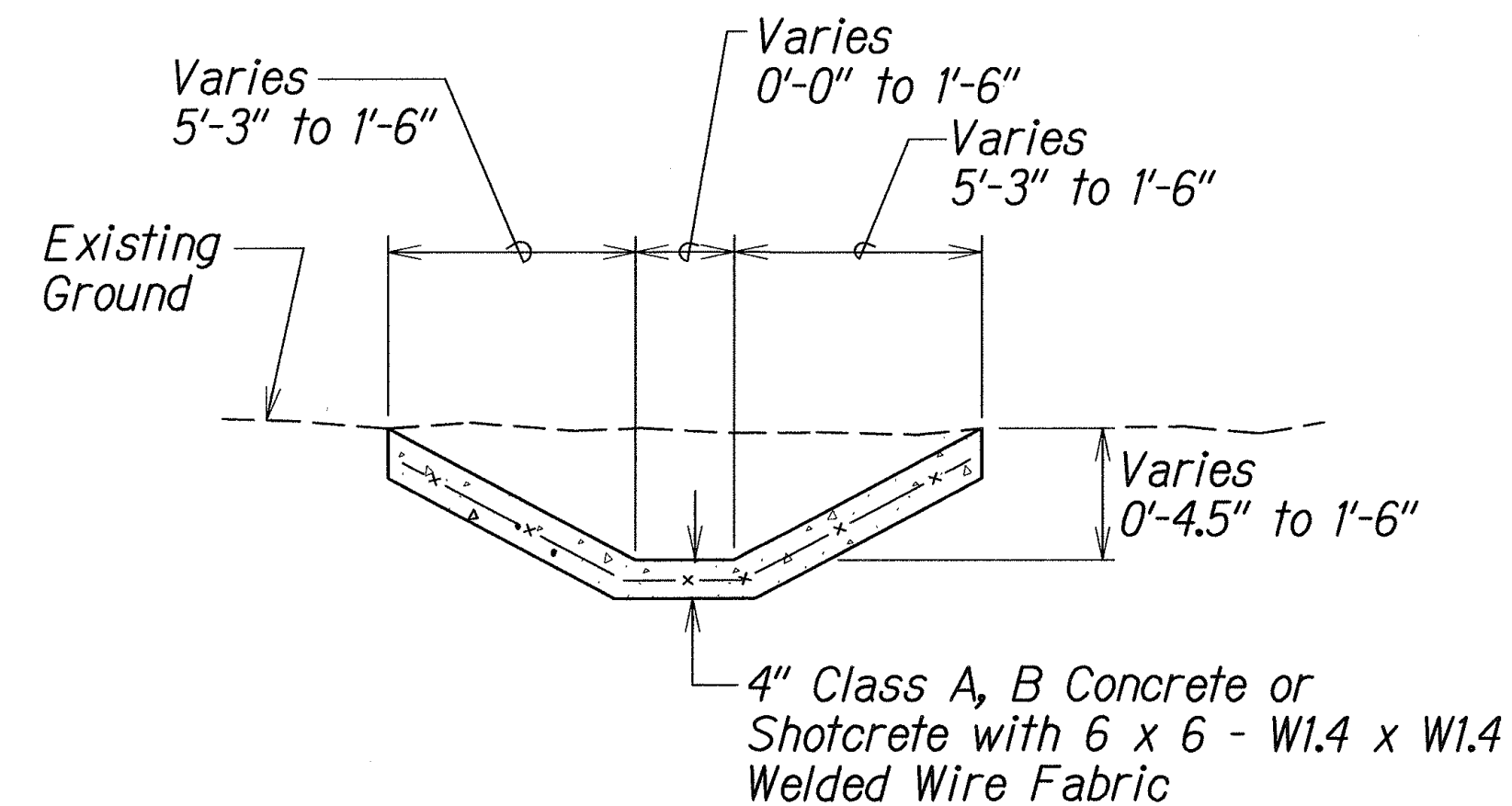
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
DRAINAGE DETAIL
KUNIA ROAD RESURFACING
Hawaii Country Club to Kunia Gate
Fed. Aid Project No. STP-0750(9)
Scale: 3/8"=1'-0" Date: May, 1995
SHEET No. HI OF 2 SHEETS

"AS-BUILT"

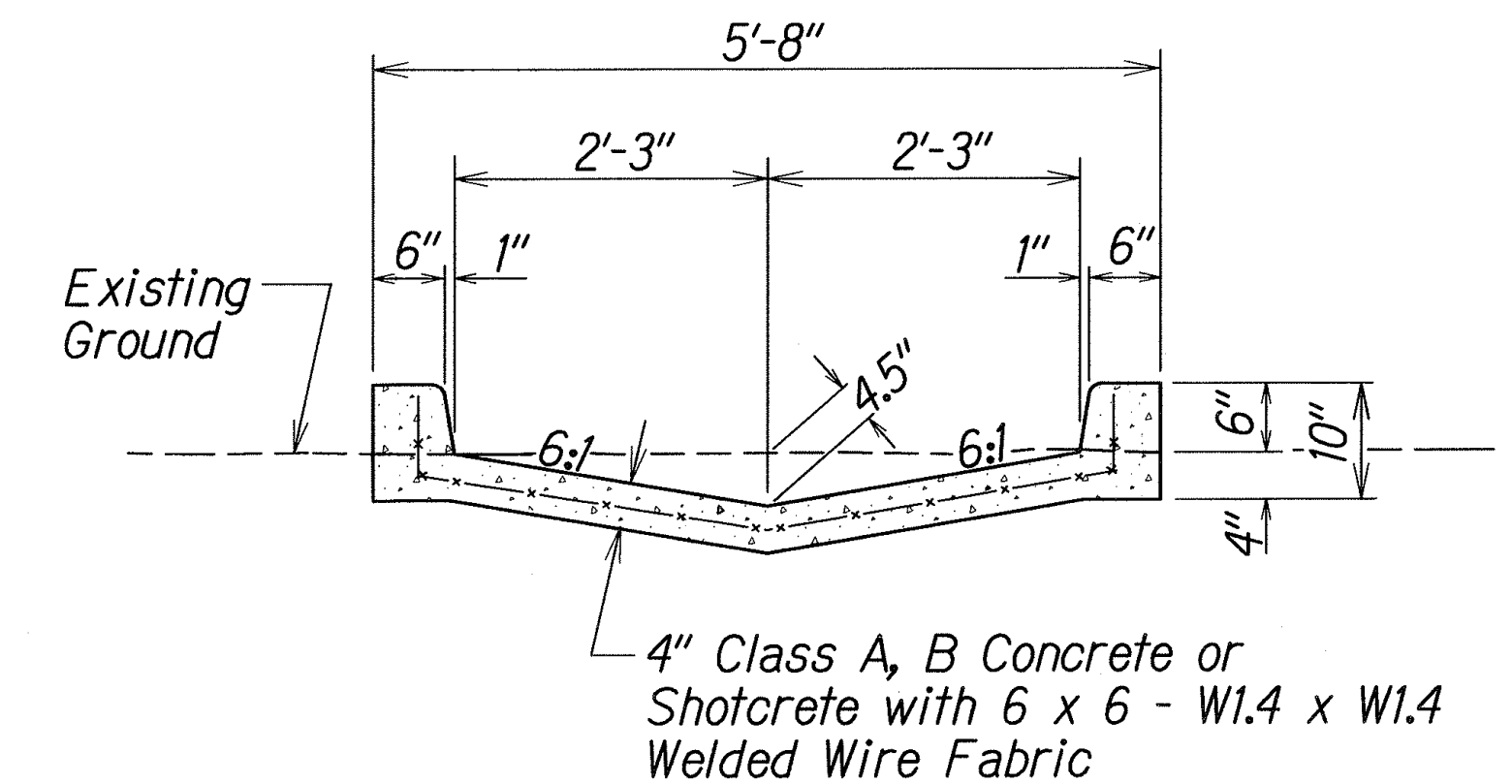
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0750(9)	1995	17	31



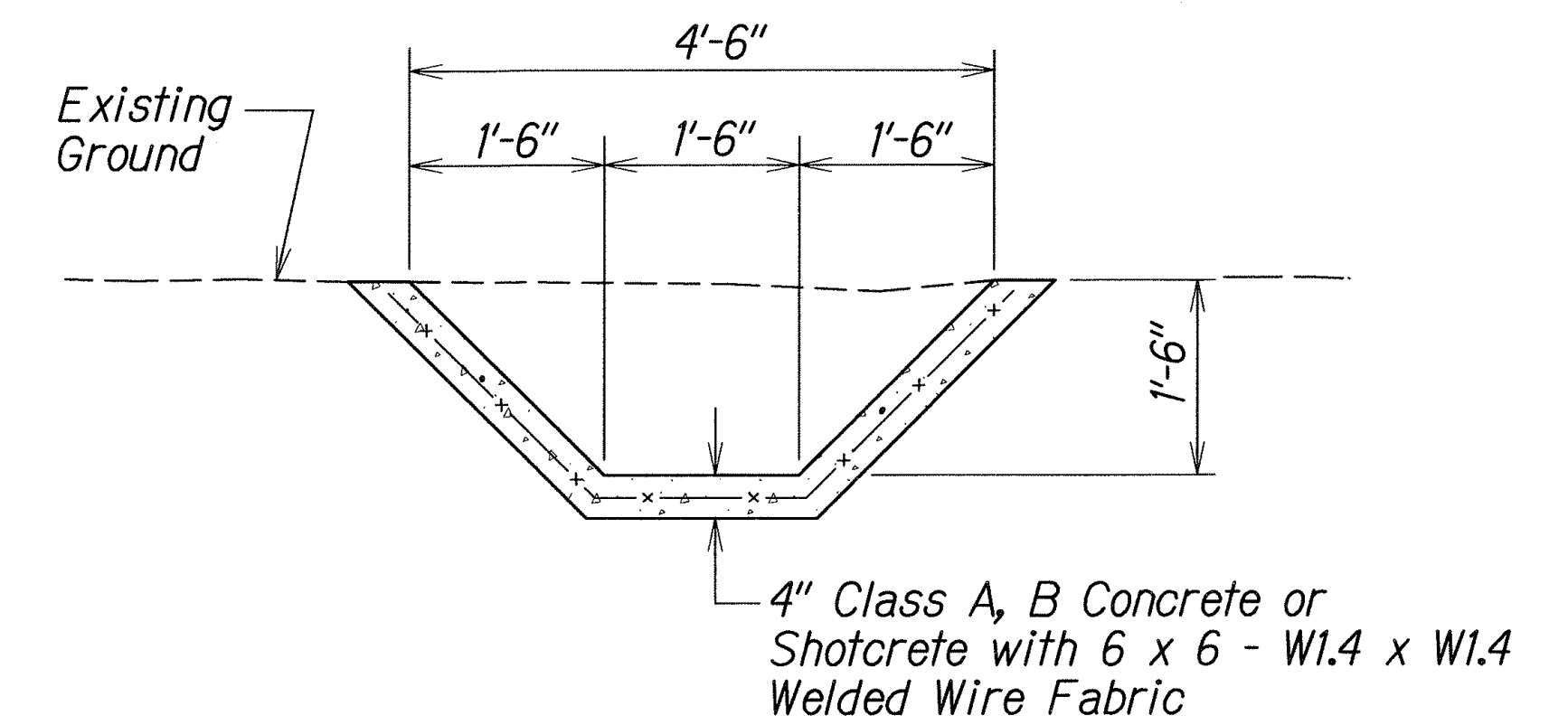
SECTION 
Scale: $\frac{3}{4}" = 1'-0"$



SECTION C
Scale: $\frac{3}{4}" = 1'-0"$ H1, H2 | H2



SECTION 
Scale: $\frac{3}{4}"=1'-0"$



SECTION 
Scale: $\frac{3}{4}''=1'-0''$

<u>LEGEND FOR</u> <u>AS-BUILT POSTINGS</u>	
	Squiggly line for as-built deletion
100.00	Double line for as-built deletion
Roadway	Text for as-built posting

TYPICAL DETAILS OF TYPE II CONCRETE SPILLWAY INLET AND 1'-6"x1'-6" LINED TRAPEZOIDAL DRAINAGE DITCH

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAILS

KUNIA ROAD RESURFACING

Hawaii Country Club to Kunia Gate
Fed Aid Project No. STP-0750(X9)

Scale: *As Noted* May, 1995

SHEET No. *H2* OF *2* SHEETS