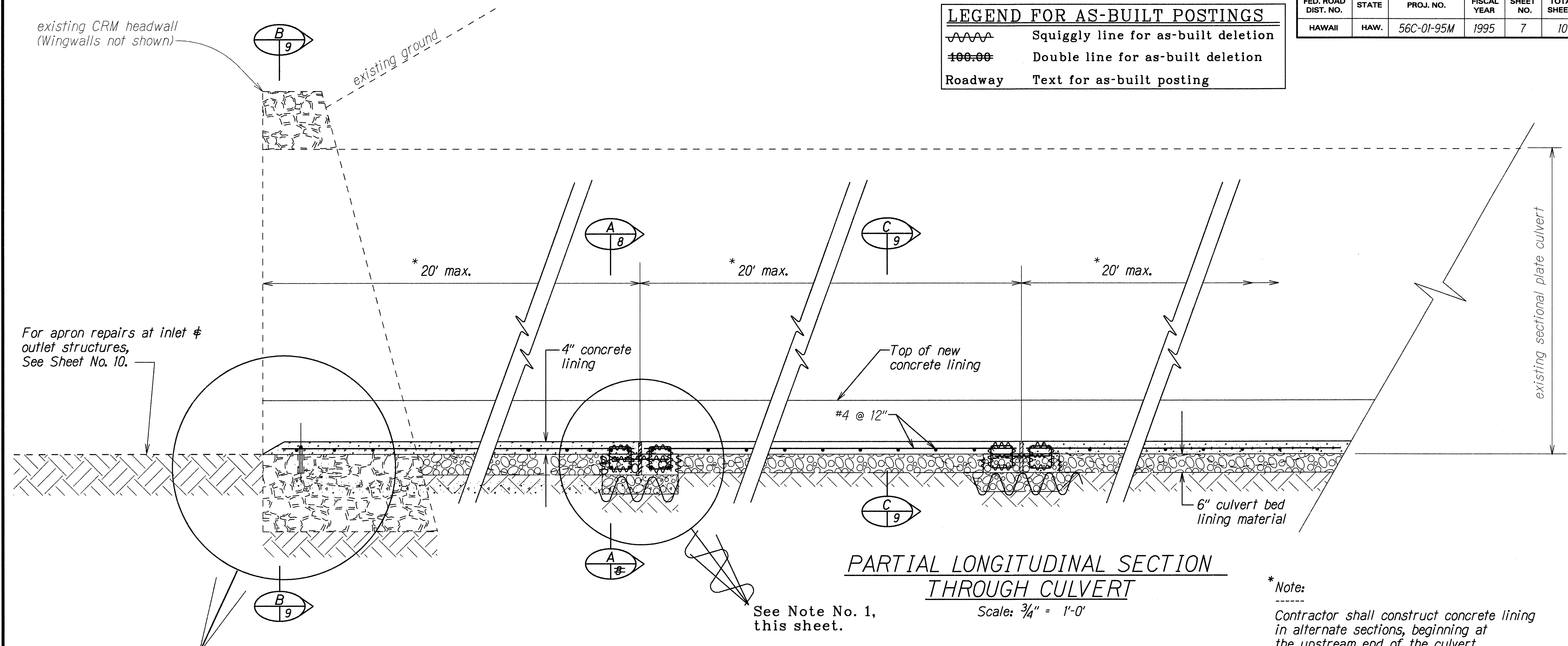


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56C-01-95M	1995	7	10

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

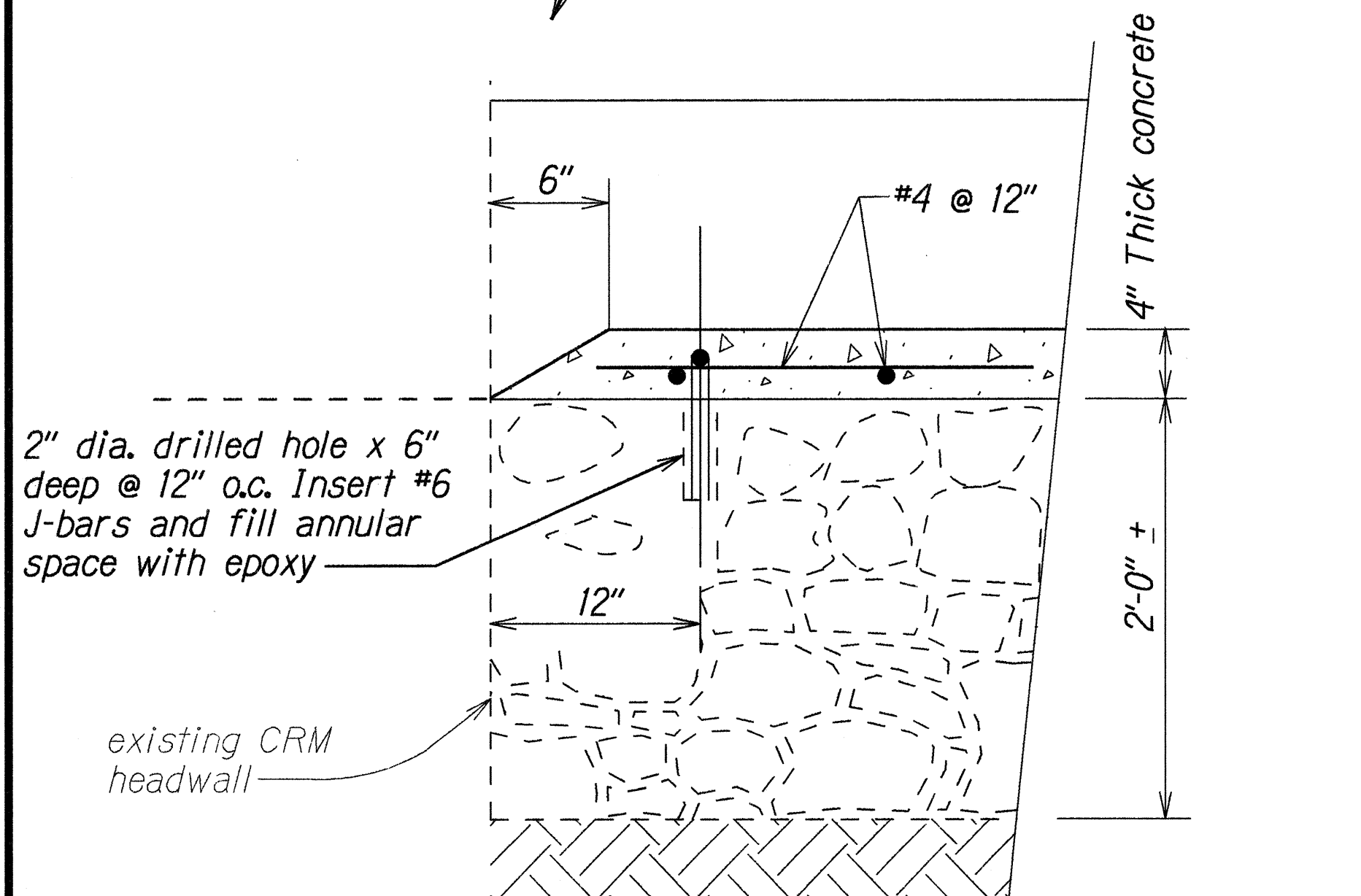


**PARTIAL LONGITUDINAL SECTION
THROUGH CULVERT**

Scale: 3/4" = 1'-0"

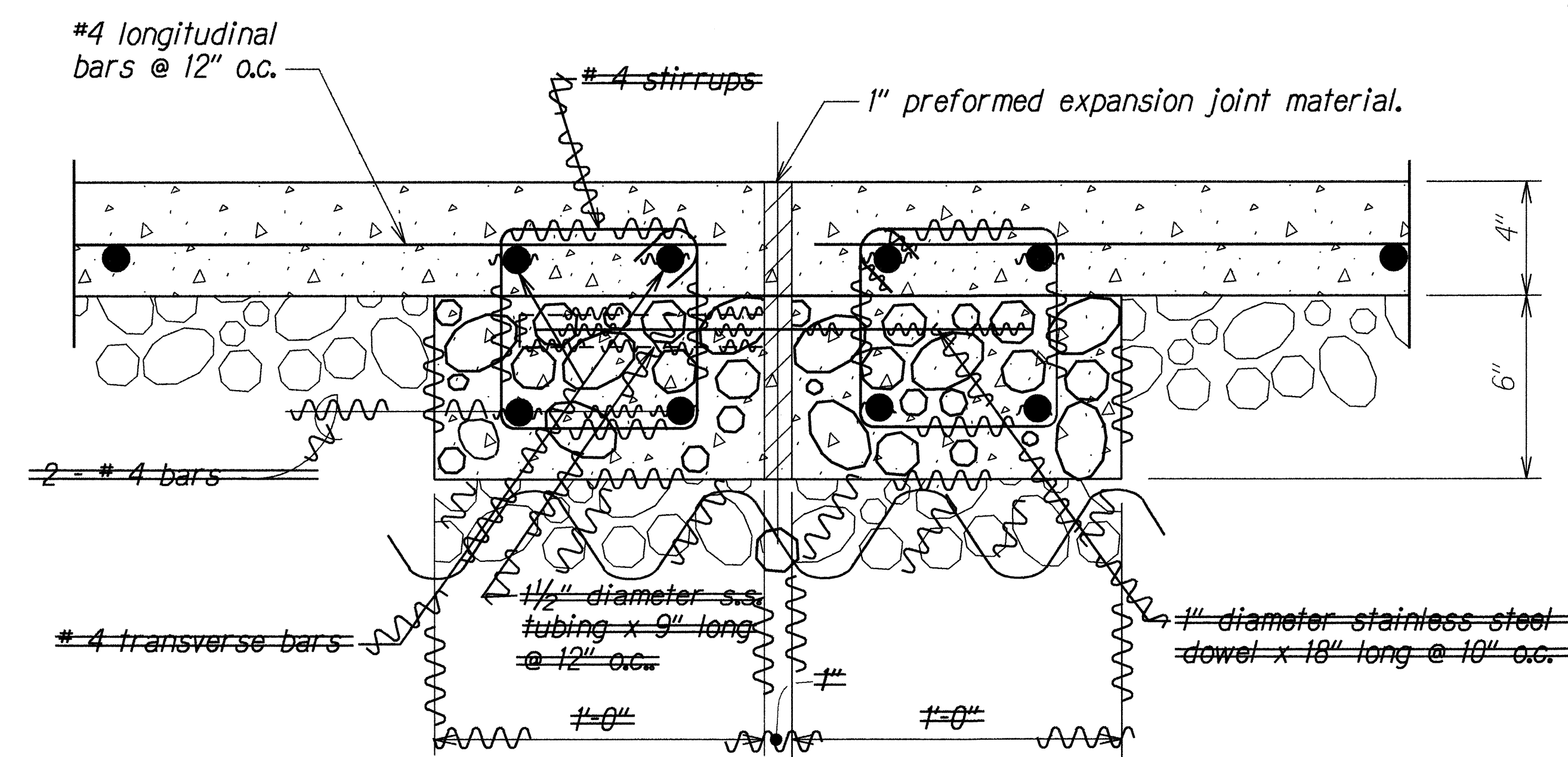
See Note No. 1, this sheet.

*** Note:**
Contractor shall construct concrete lining in alternate sections, beginning at the upstream end of the culvert.
1. Typical Section A-8 was not implemented. New concrete lining was poured as one unit. This was a field change.



TYPICAL SECTION AT HEADWALLS

Scale: 1 1/2" = 1'-0"



TYPICAL SECTION AT JOINTS

Scale: 3" = 1'-0"

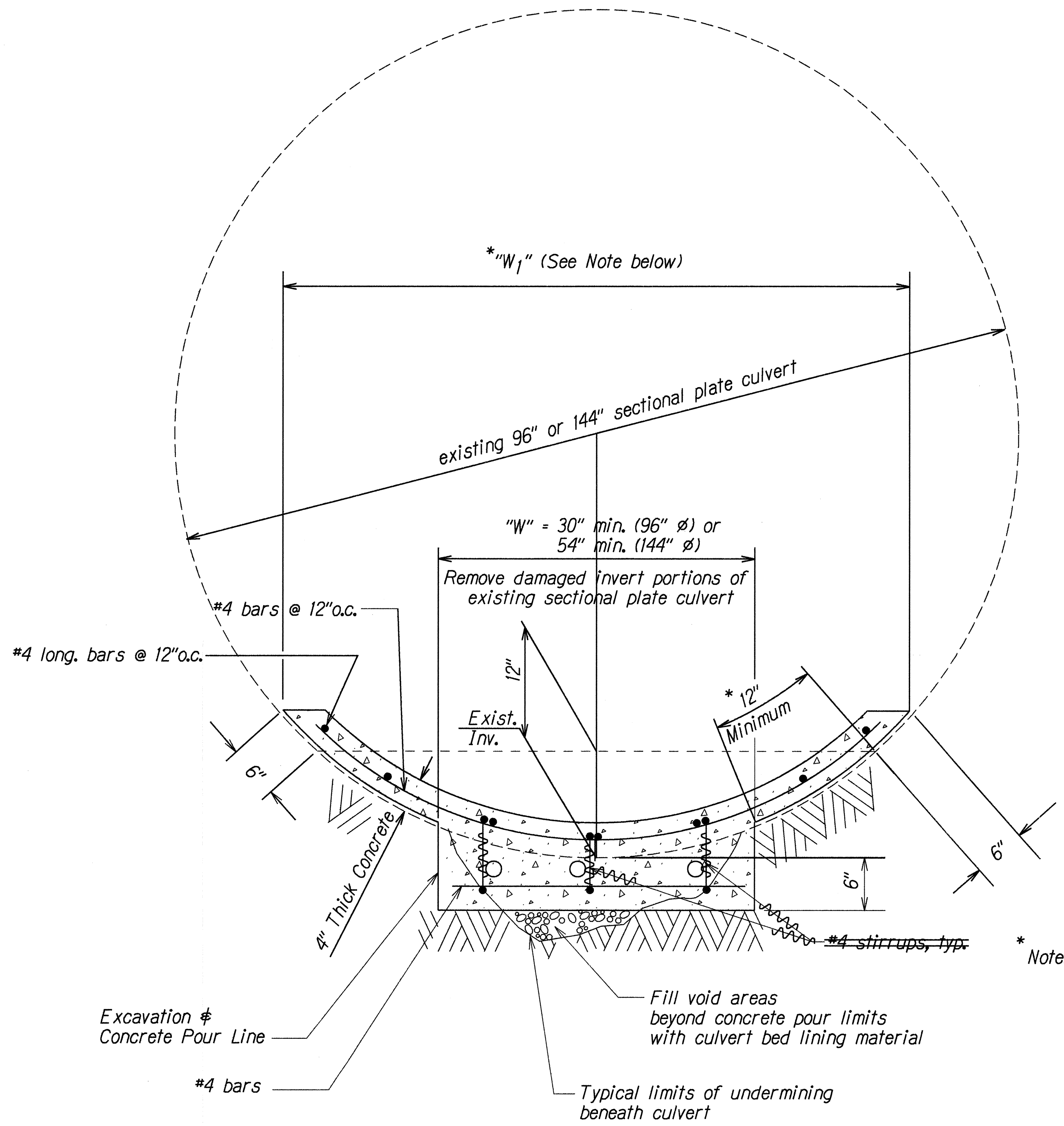
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY S. Morikawa	May 4, 1995
	DESIGNED BY S. Morikawa	
	CHECKED BY S. Morikawa	
	APPROVED BY S. Morikawa	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CULVERT REPAIR DETAILS

KUHIO HIGHWAY
Repair of 96" & 144" Sectional Plate Culverts at M.P. 21.7 & M.P. 21.9
Project No. 56C-01-95M
Scale: As Shown Date: May, 1995
SHEET No. 1 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56C-01-95M	1995	8	10



* Note: The 12" minimum dimension shall be applied only if the repair width "W" exceeds 3.0' (96"Ø) or 4.5' (144"Ø).

"W₁" shall remain constant throughout length of culvert barrel and is dependent on :

- Minimum dimensions shown , and/or;
- largest damaged invert section exceeding 3.0' (96"Ø) or 4.5' (144"Ø).

If damaged section exceeds minimum shown, the Engineer shall determine limits of "W" in the field.

SECTION A
7/8

INVERT REPAIR DETAIL FOR
SECTIONAL PLATE CULVERT

Scale: 1 1/2" = 1'-0"

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

CULVERT REPAIR DETAILS

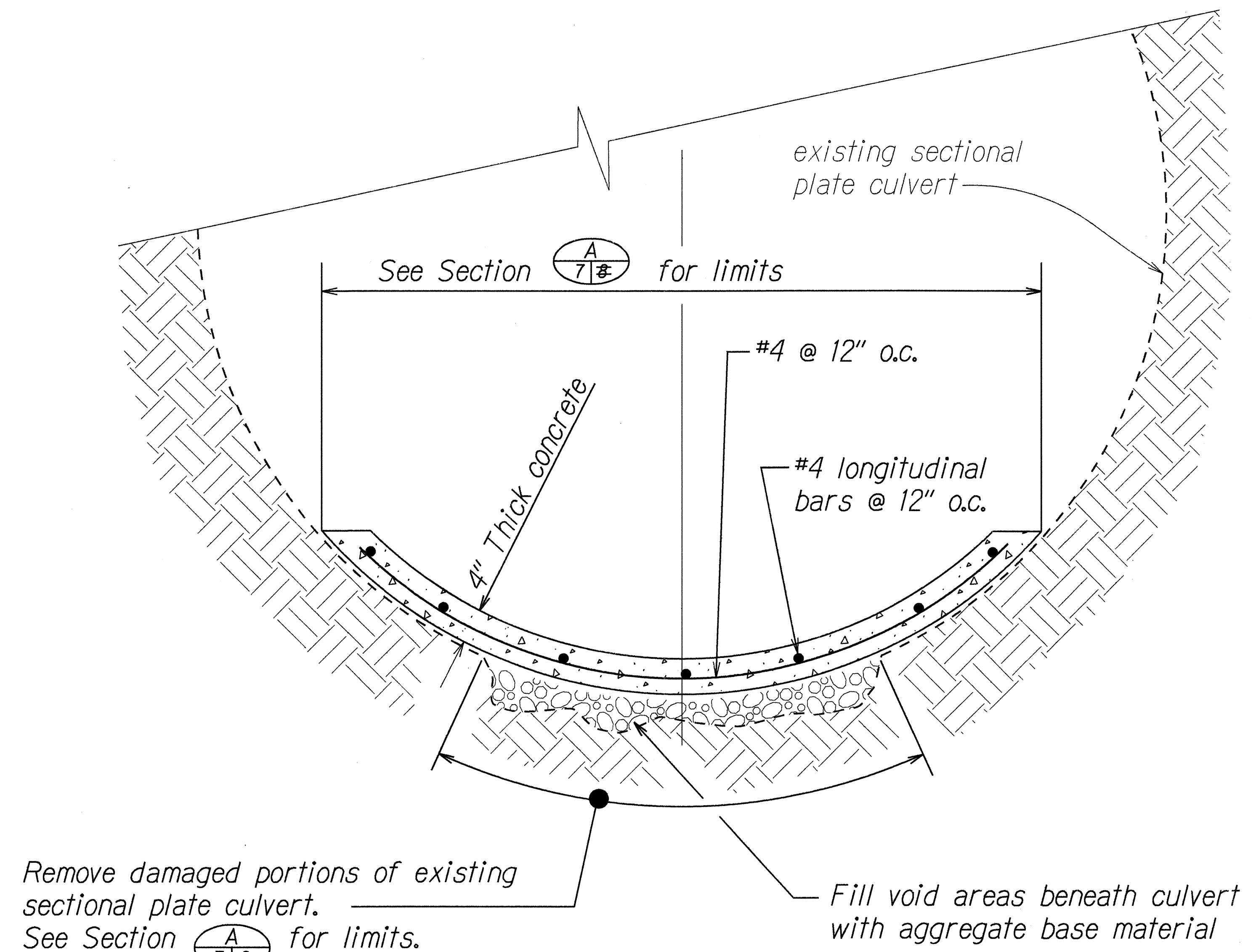
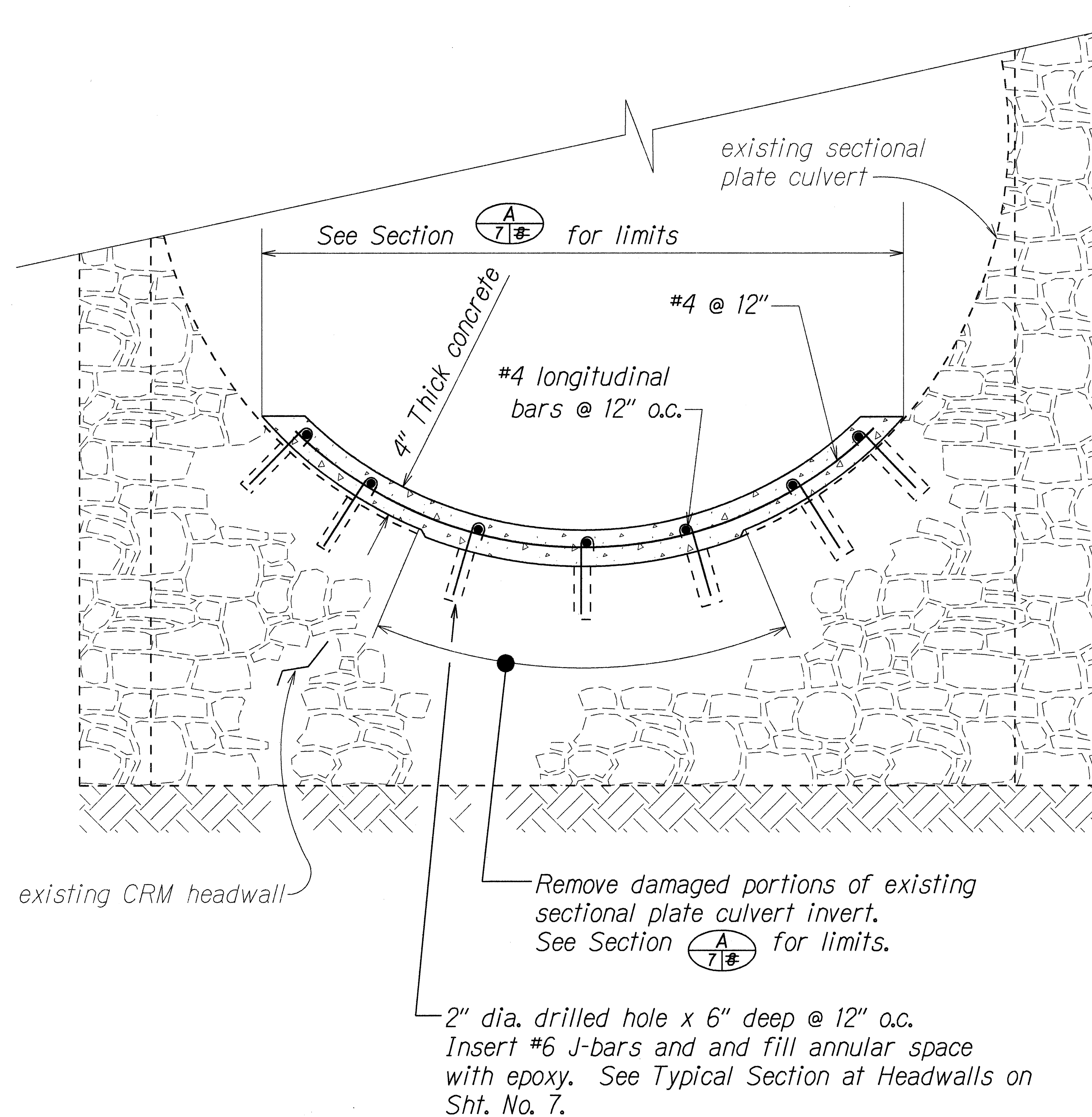
KUHIO HIGHWAY
Repair of 96" & 144" Sectional Plate
Culverts at M.P. 21.7 & M.P. 21.9
Project No. 56C-01-95M

Scale: As Shown Date: May, 1995

SHEET No. 2 OF 3 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY S. Morikawa	Oct-94
	DESIGNED BY S. Morikawa	
	CHECKED BY S. Morikawa	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	56C-01-95M	1995	9	10



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTED BY	DRAWN BY S. Markawa	May 4, 1995
DESIGNED BY S. Markawa	CHECKED BY	
003/100		

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	
CULVERT REPAIR DETAILS	
KUHO HIGHWAY	
Repair of 96" x 144" Sectional Plate Culverts at M.P. 21.7 & M.P. 21.9	
Project No. 56C-01-95M	
Scale: As Shown	Date: May, 1995
SHEET No. 3 OF 3 SHEETS	

"AS-BUILT"