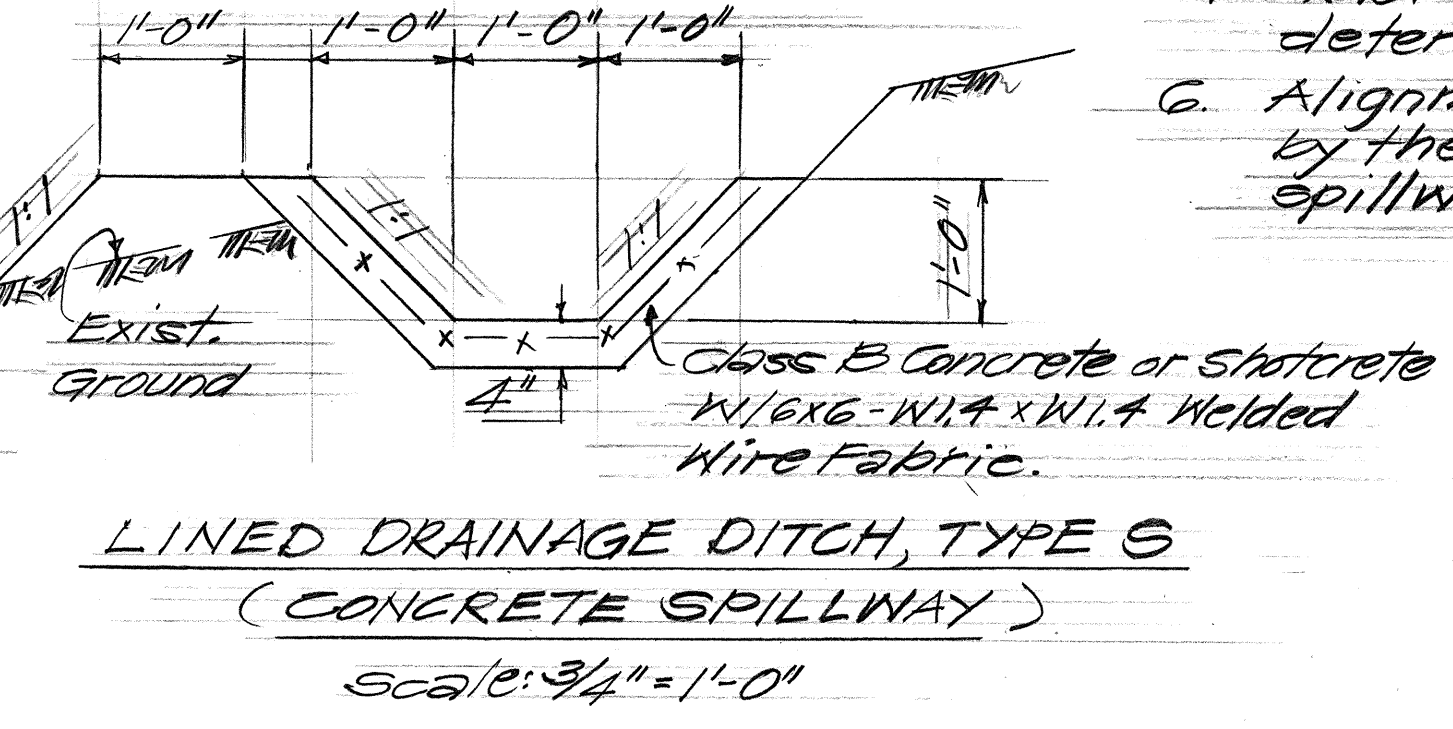
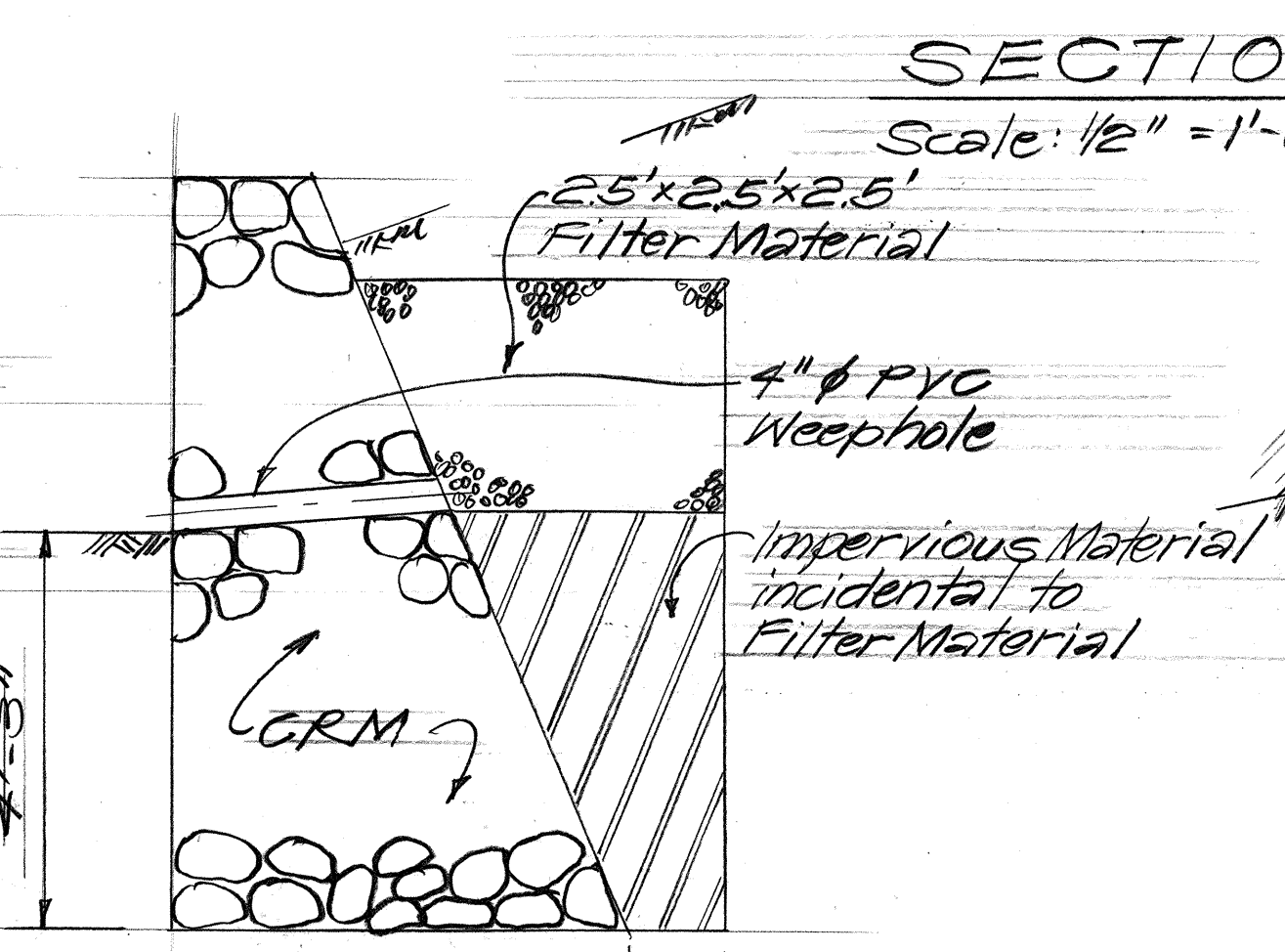
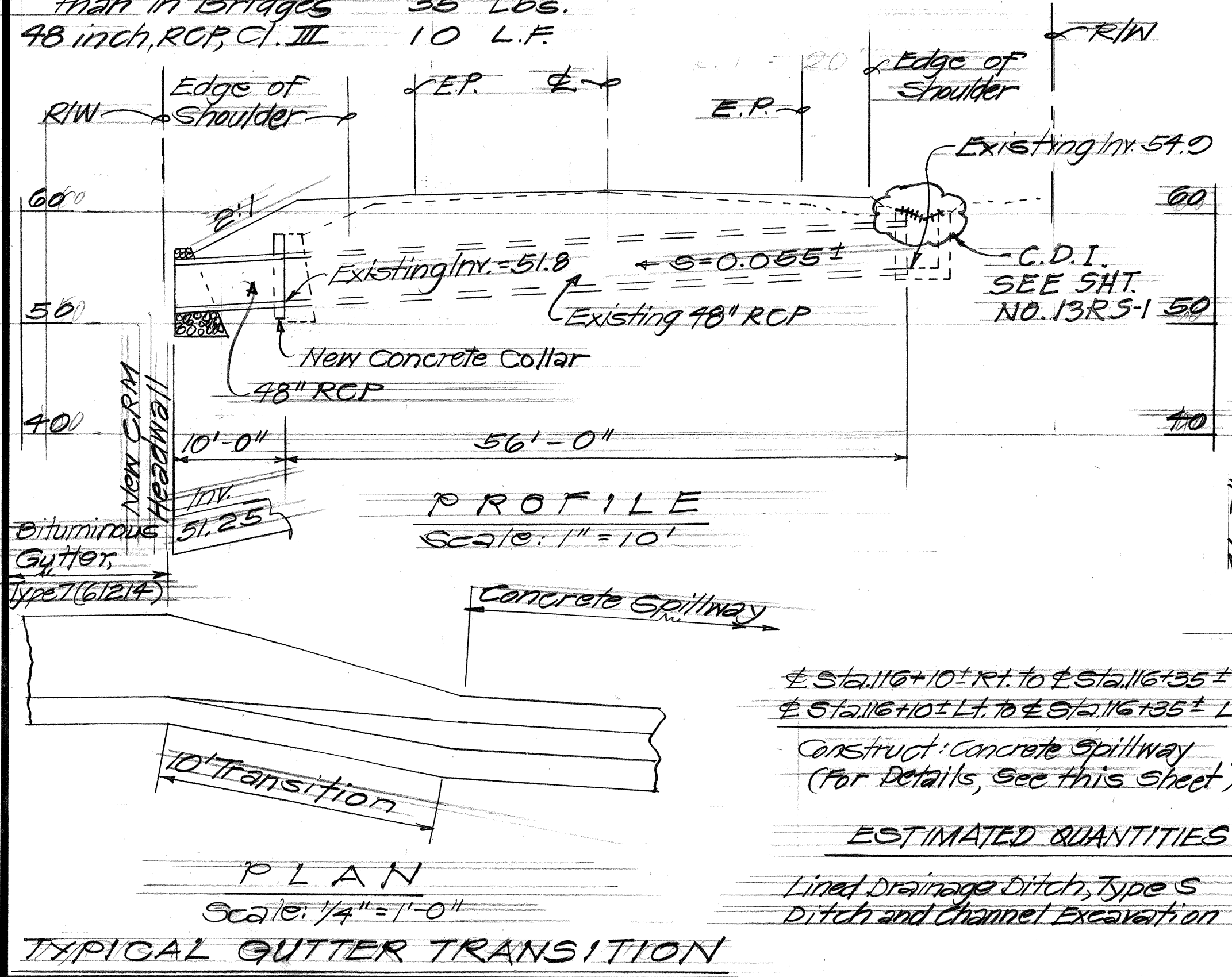
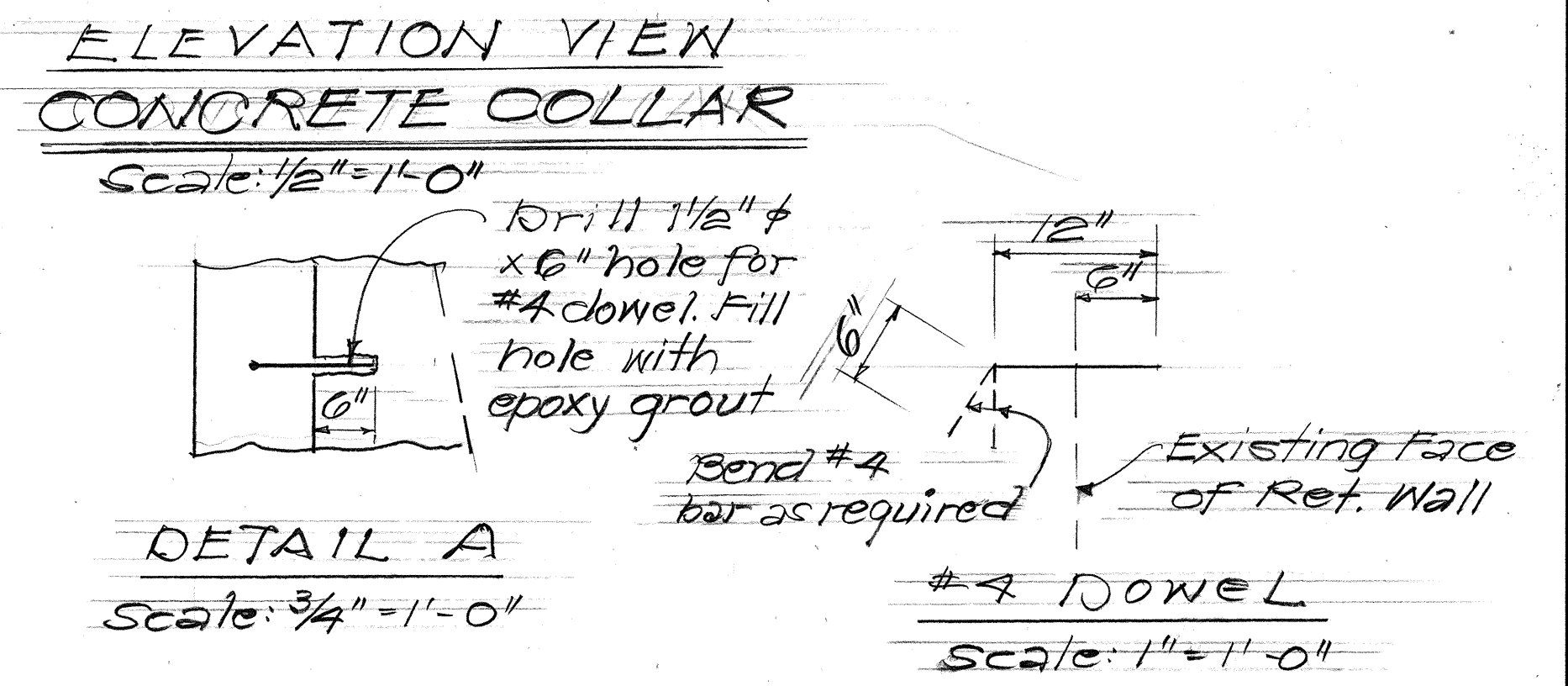
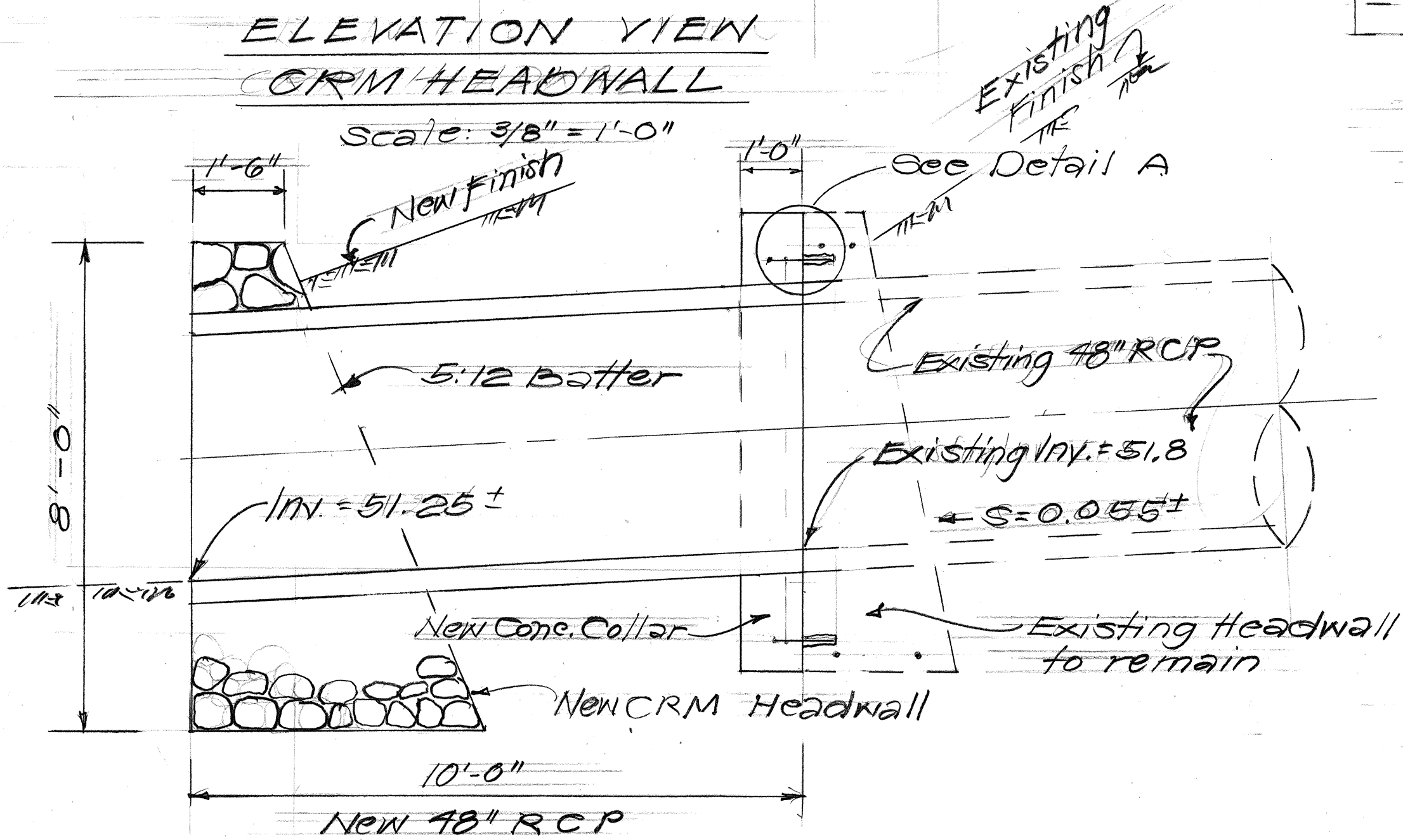
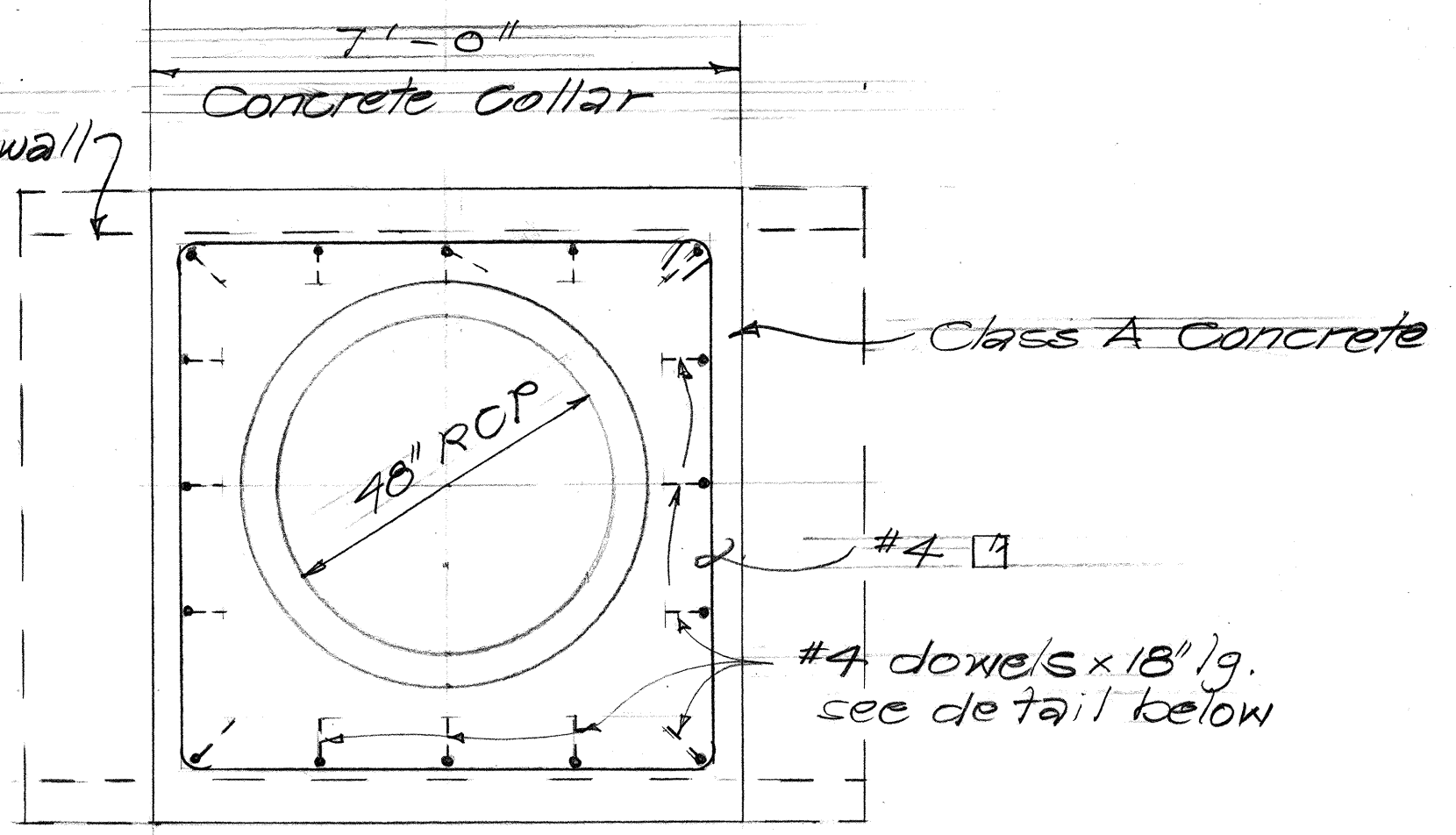
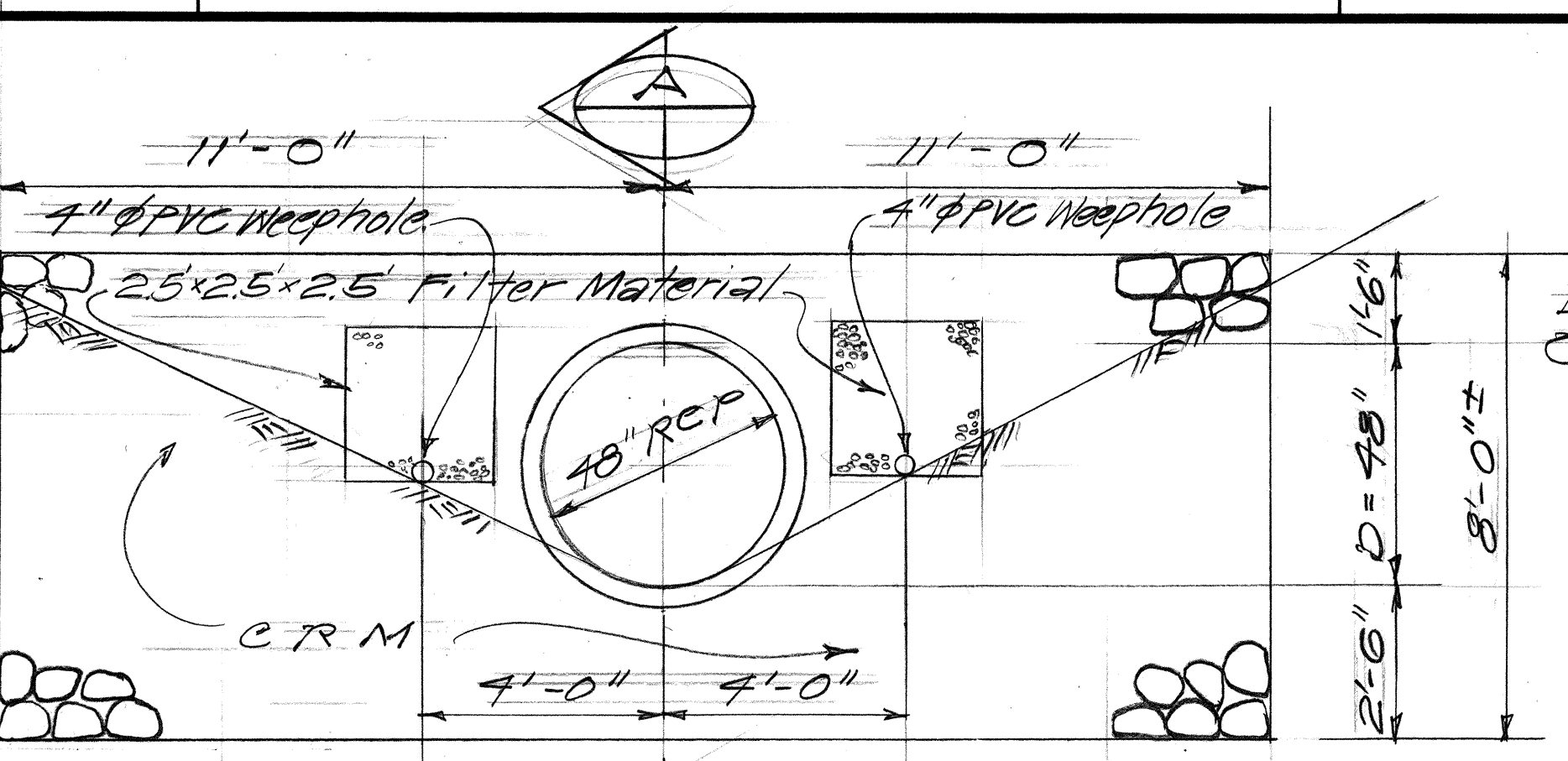
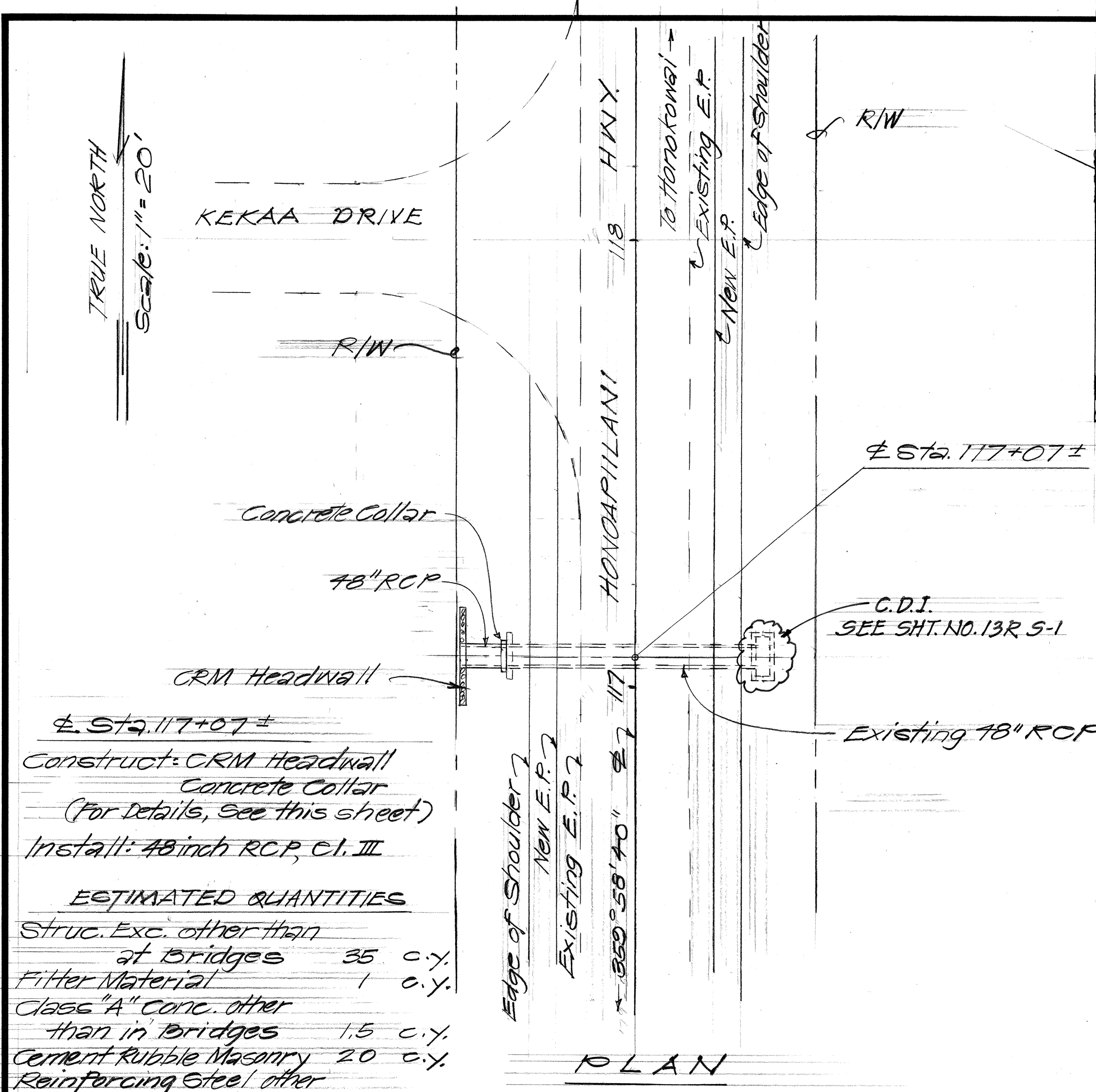
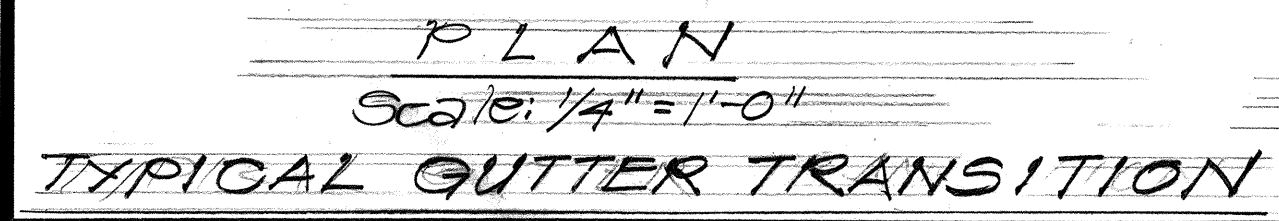
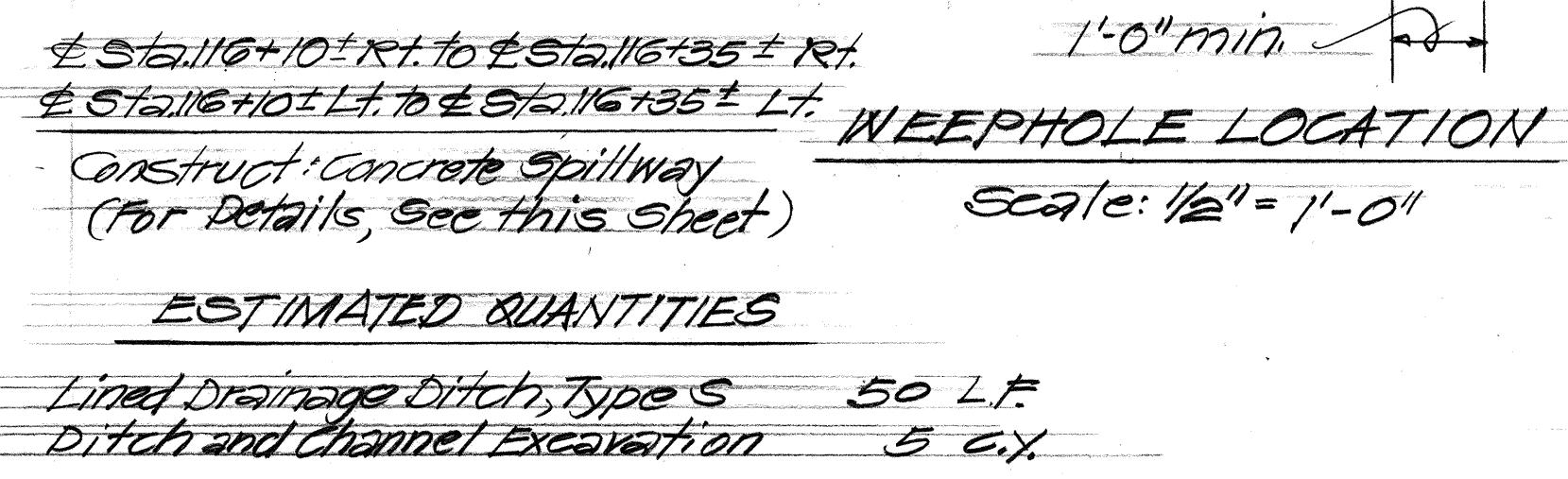


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	30AC-01-87M 30A-01-87	1987	13	18



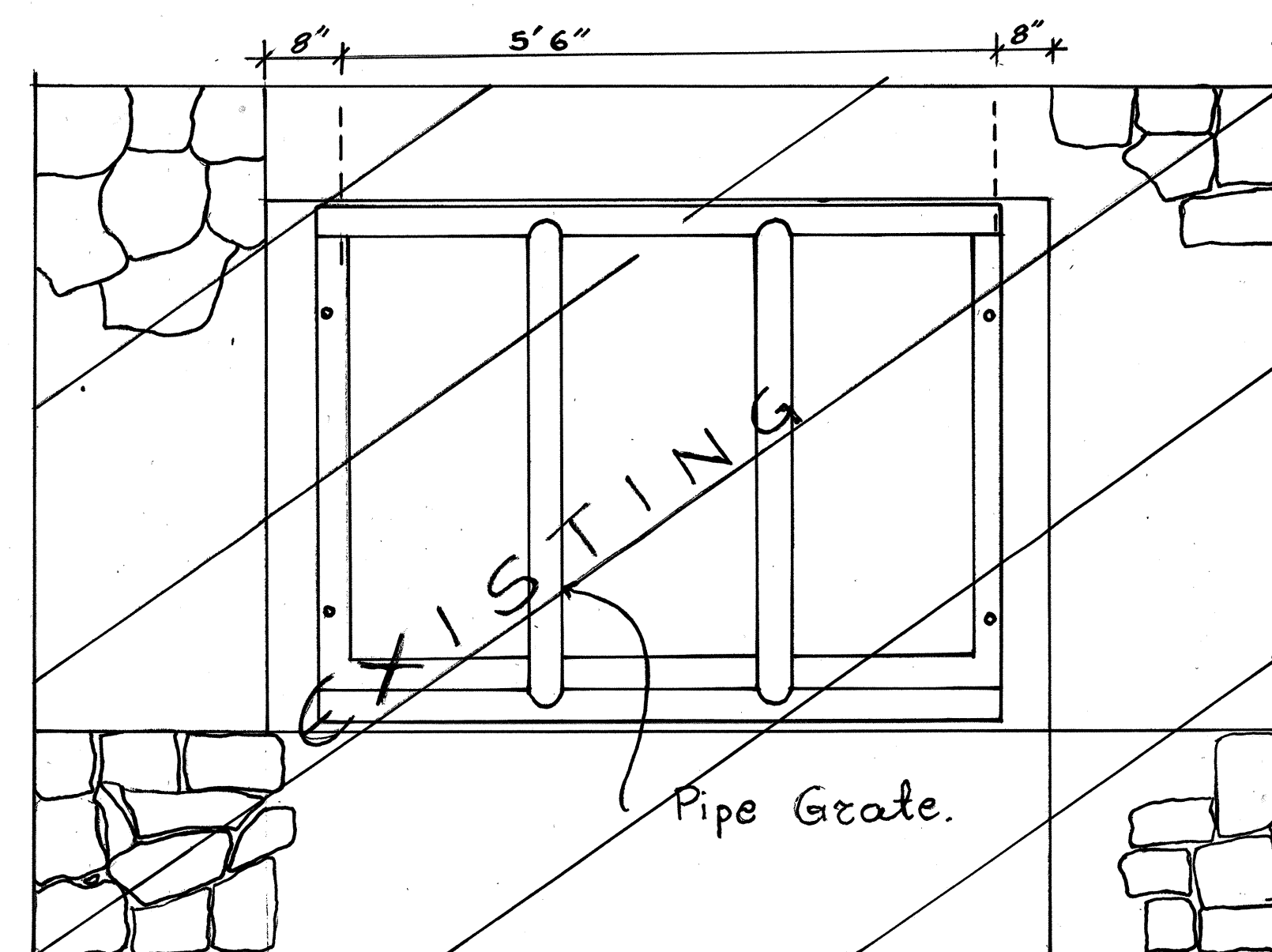
- DRAINAGE NOTES**
- Existing drainage structure shall be functional at all times.
 - The entrance and outlet conditions of the culvert shall be graded to the satisfaction of the Engineer. Above work shall be considered incidental to the various contract items.
 - Drilling of dowel holes and the installation of the dowels shall be considered incidental to Class A concrete.
 - Installation of weep holes shall be considered incidental to cement rubble masonry.
 - Exact location of gutter transition sections shall be determined by the Engineer.
 - Alignment and length of spillway shall be determined by the Engineer. Transition section and concrete spillway shall be paid under lined drainage ditch.



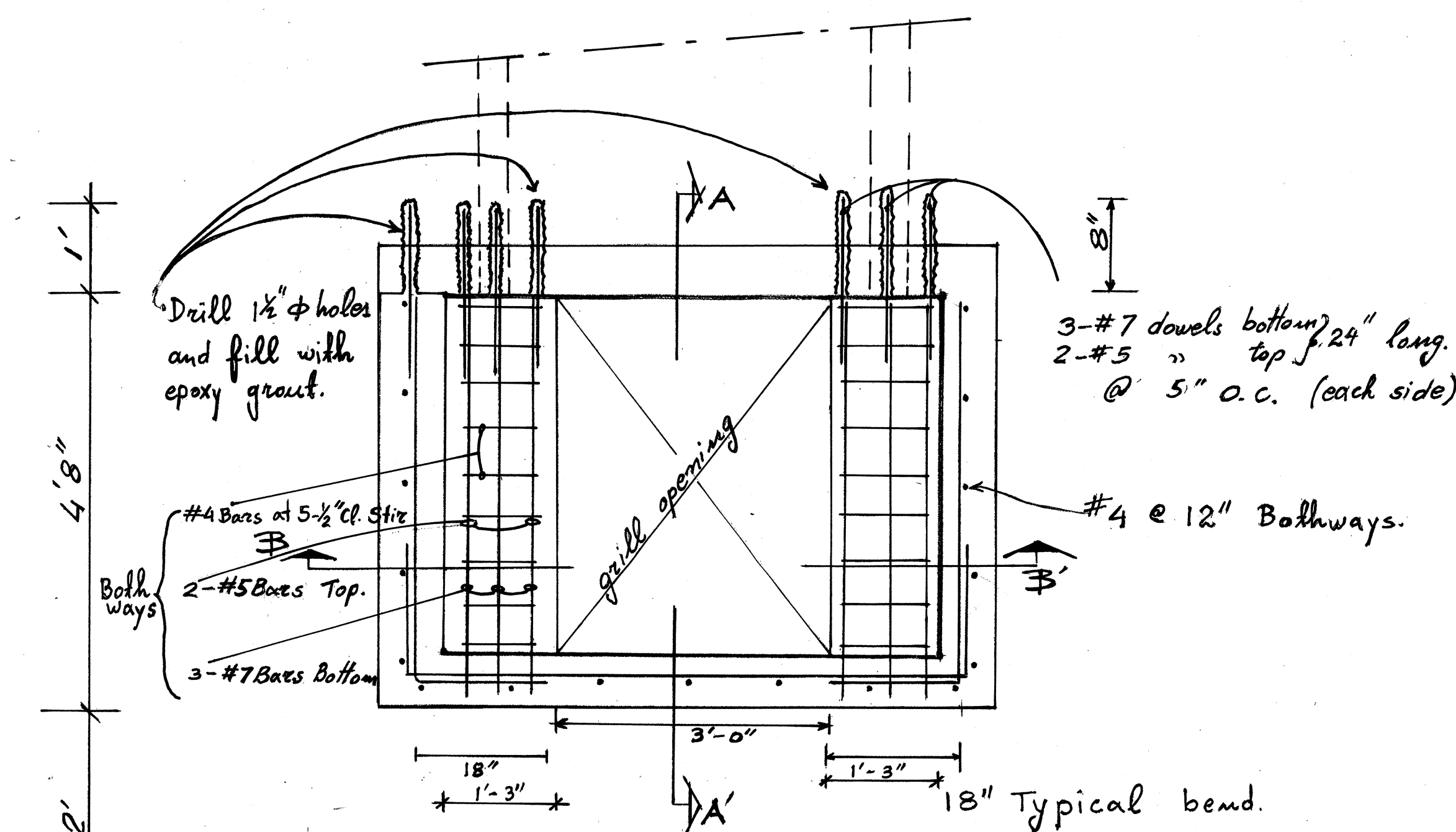
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
DRAINAGE DETAILS	
HONOPILANI HWY. RESURFACING AND GUARDRAIL SHOULDER IMPR.	
PROJ. NOS. 30AC-01-87M & 30A-01-87	
Scale: As shown	Date: May 1987
SHEET NO. 11 OF 1 SHEETS	

DATE	REVISION
6/9/87	Revised stations of culvert extension and concrete spillway

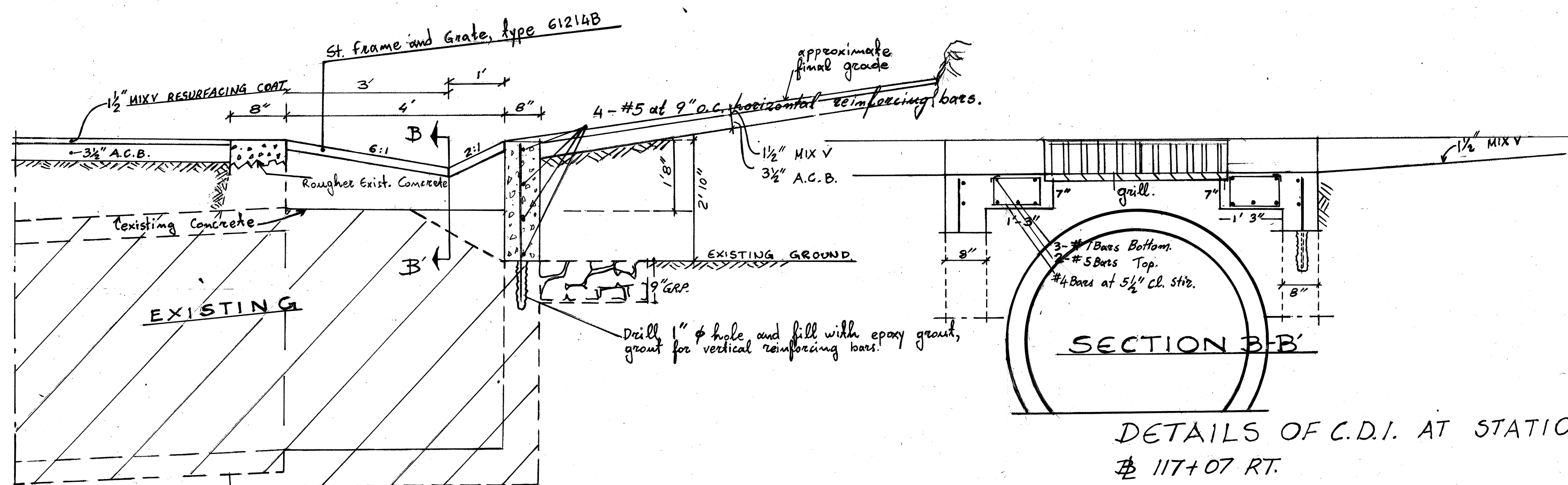
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	30AC-01-87M 30A-01-87	1987	13RS-1	18



10' 10" 9" Thick G.R.P.
PLAN VIEW OF EXISTING C.D.I.

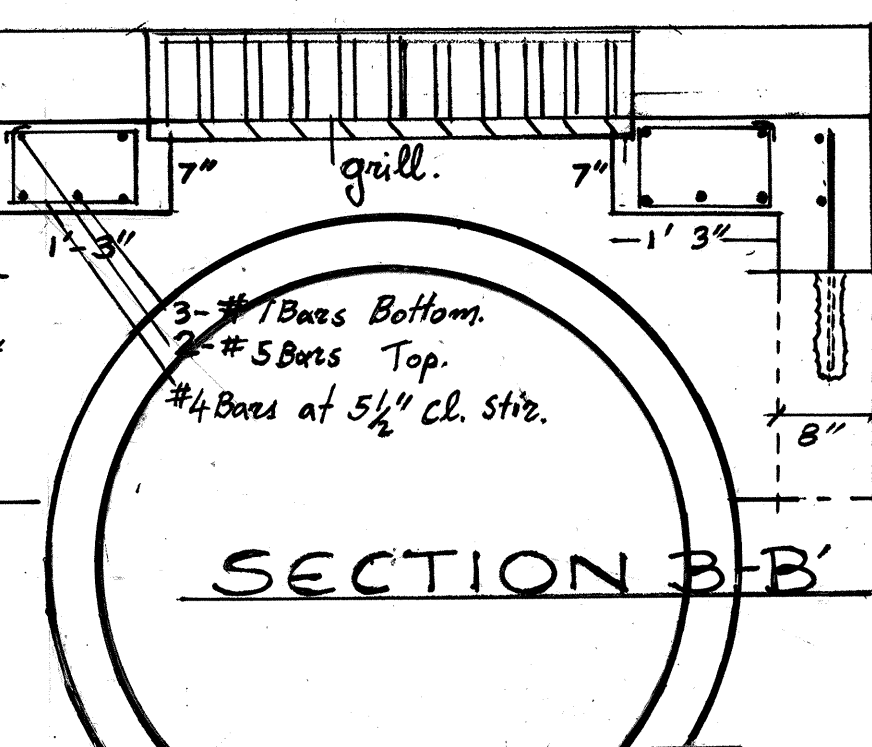


PLAN VIEW OF REINFORCING STEEL.



SECTION A-A'

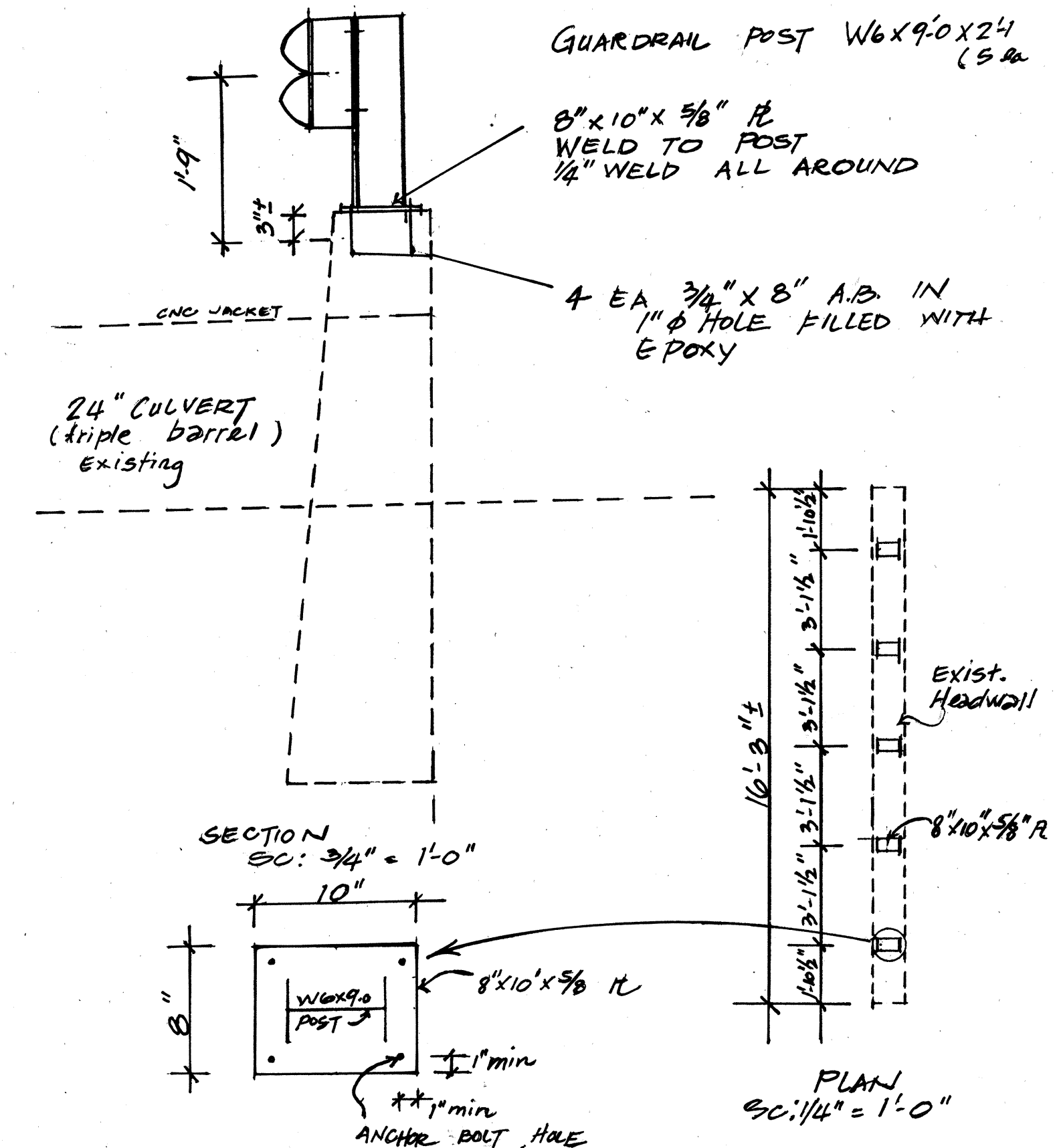
SCALE $\frac{3}{4}'' = 1'-0''$



SECTION B-B'

DETAILS OF C.D.I. AT STATION
117+07 RT.

HONOAPIILANI HWY RESURFACING VICINITY OF OLOWALU
AND KAAPALI PROJ. NO 30AC-01-87M AND
HONOAPIILANI HWY GUARDRAIL AND SHOULDER
IMPROVEMENTS KEKAA DRIVE TOWARDS HONOKOWAI
PROJECT NO 30A-01-87 C.C.O. NO 5



NOTE

This Tracing/Detail Prepared
during "As-Built" Posting

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HONOAPIILANI HWY RESURFACING
AND GUARDRAIL & SHOULDER IMPR.
PROJECT NO 30AC-01-87M & 30A-01-87

SHEET NO. OF SHEETS

13RS-1

DATE	
SURVEY PLOTTED BY	
ORIGINAL PLAN	
DESIGNED BY	
NOTED BY	
CHECKED BY	
NO.	