

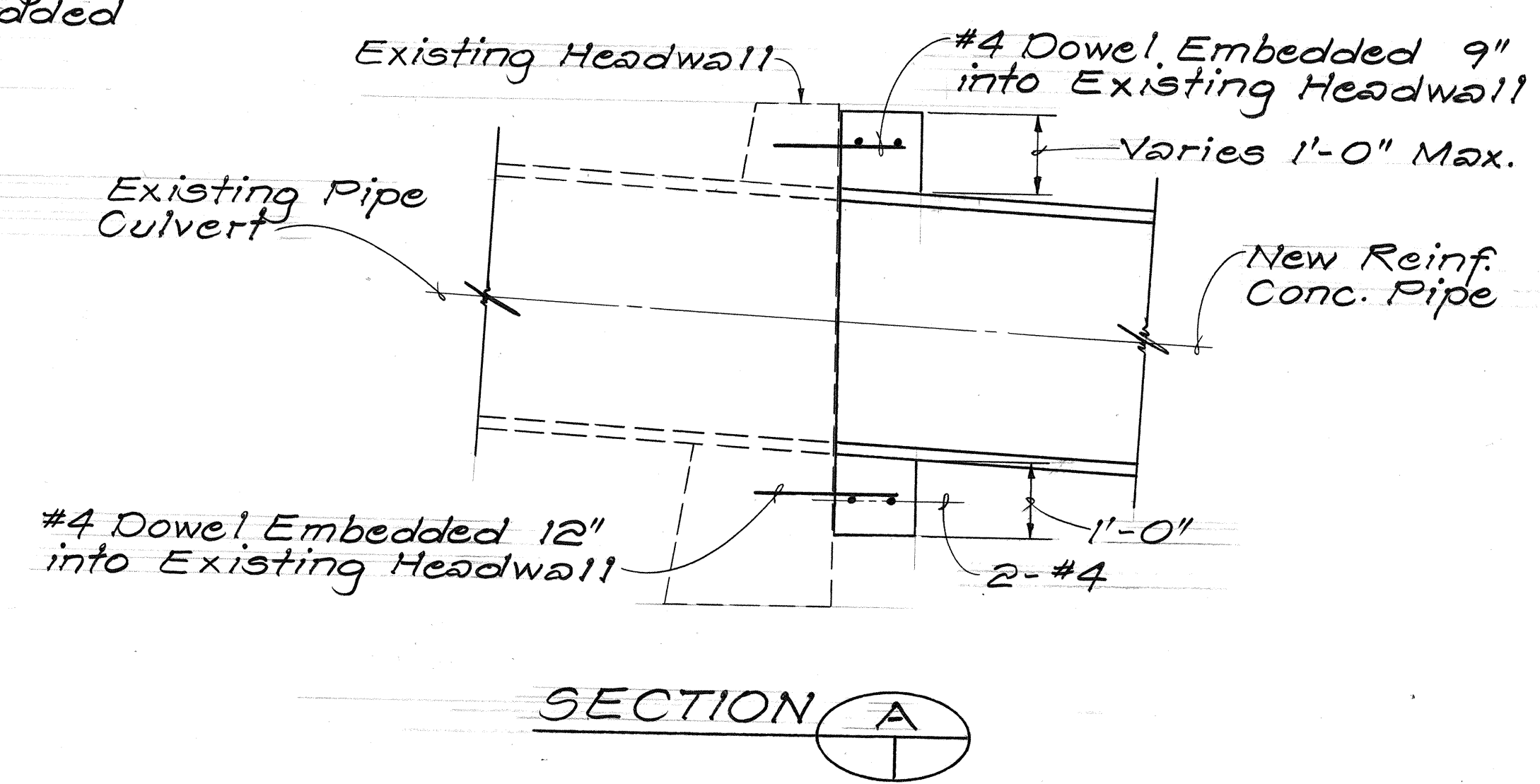
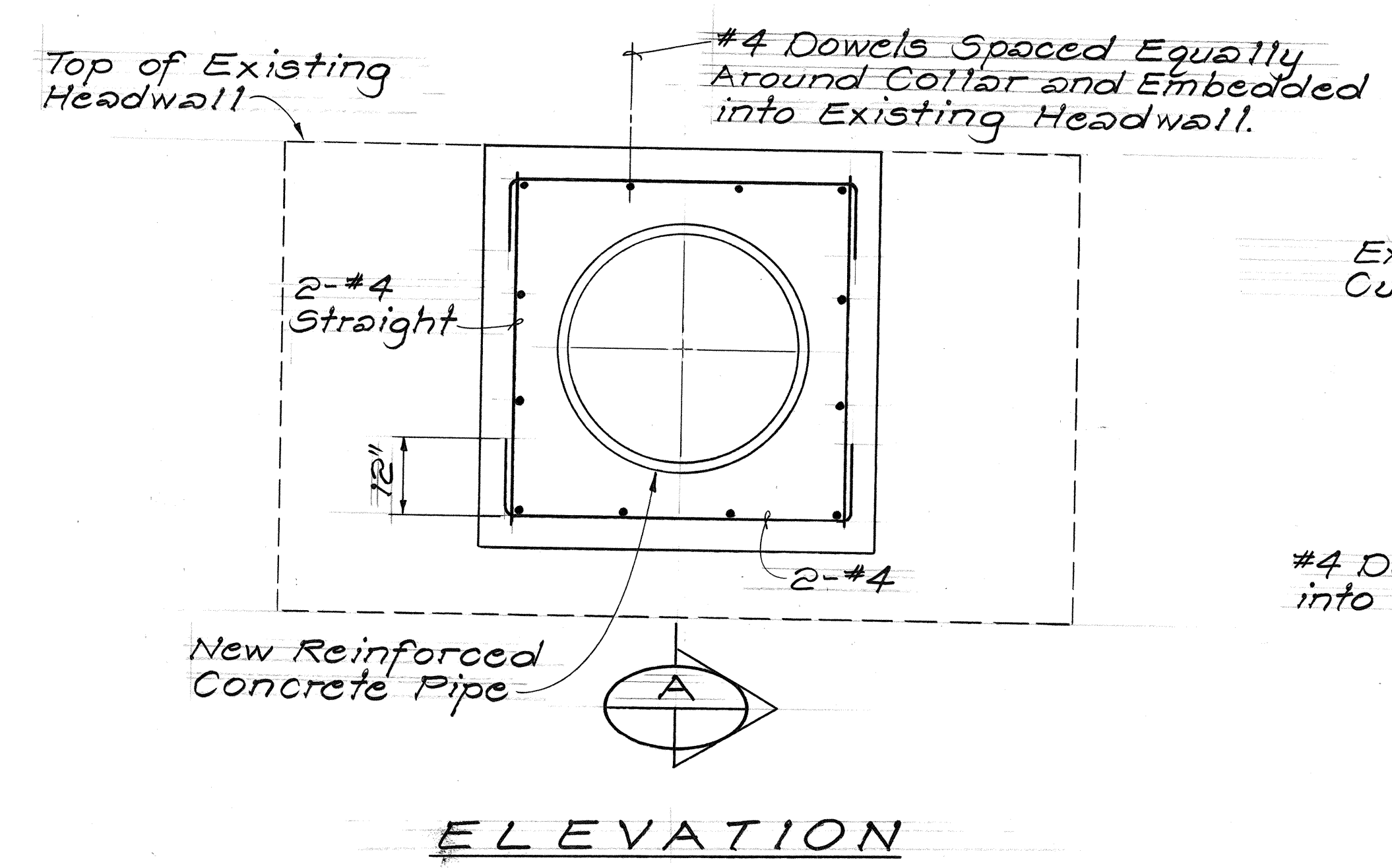
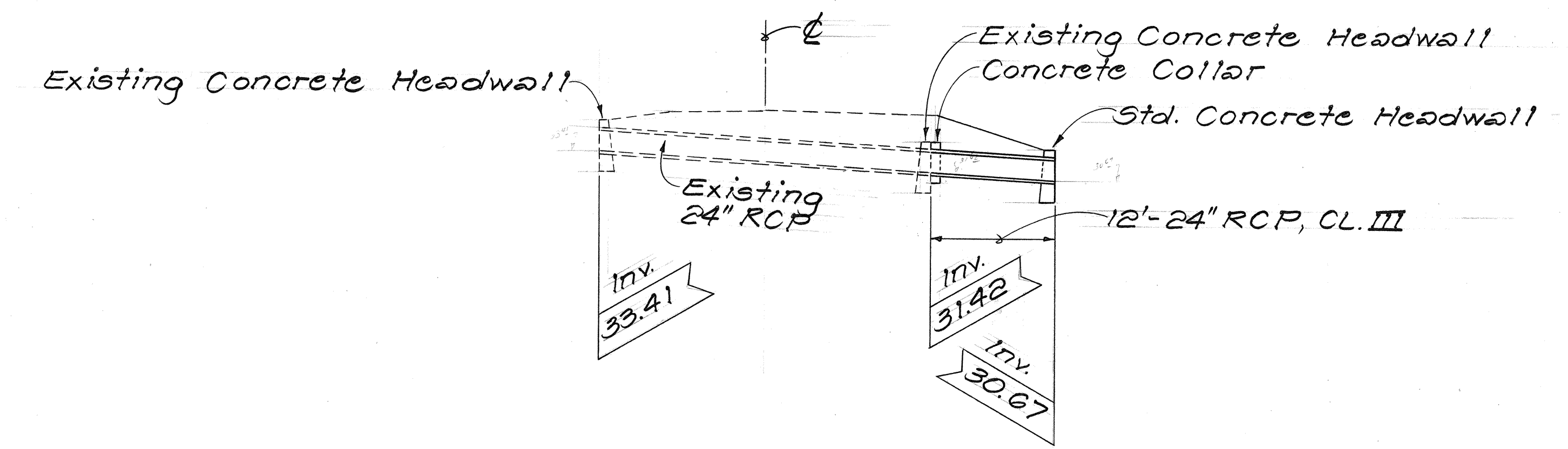
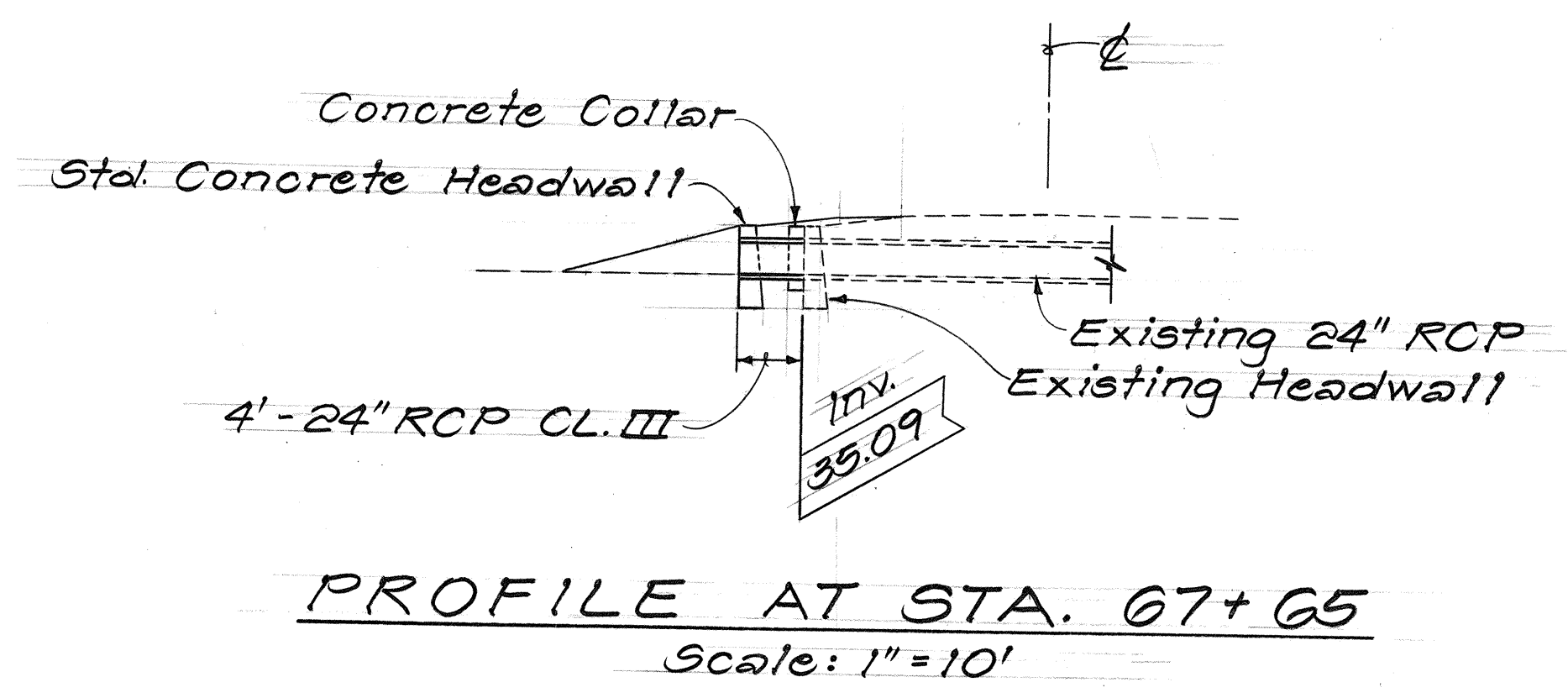
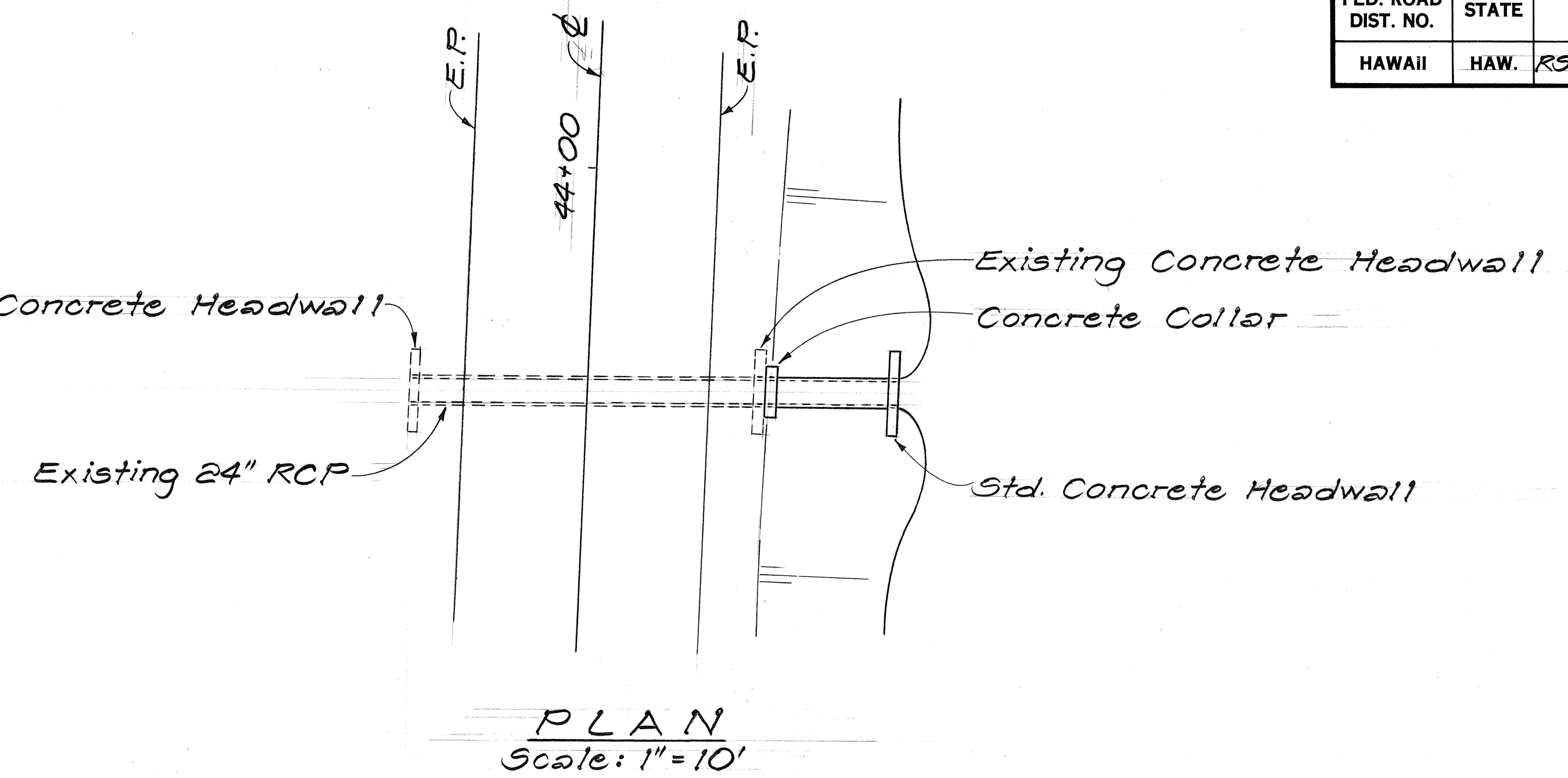
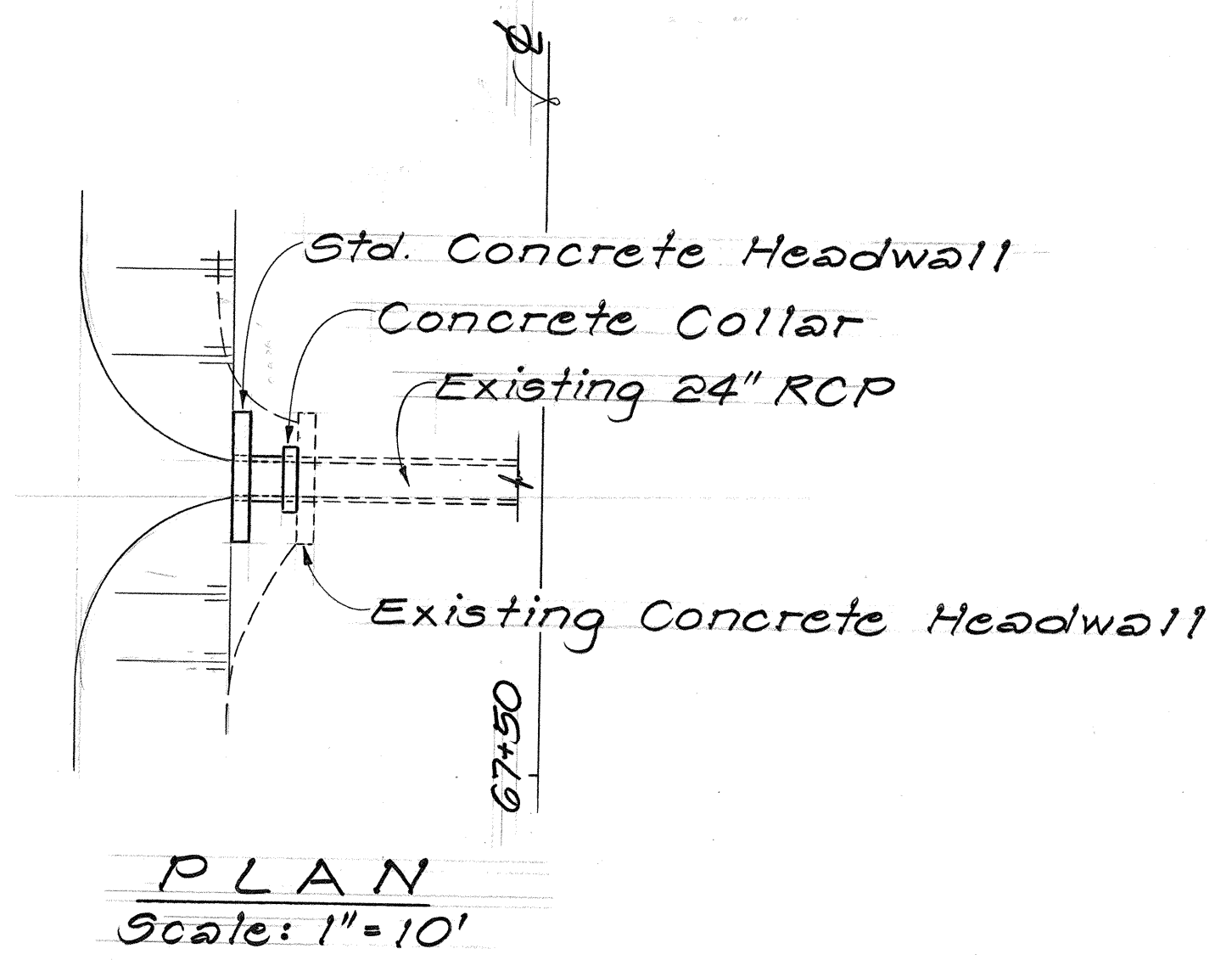
1. Existing drainage systems will be functional at all times during construction. The Contractor is to furnish materials, equipment, labor, tools and incidentals necessary to accomplish maintenance of flow. The cost shall be incidental to the various contract items.
2. Demolishing, removing and disposing a portion or the entire existing structure shall not be paid for separately, but shall be considered incidental to the various contract items.
3. The Contractor shall verify the locations of all culverts and utilities in the field. Any affected culvert or utilities shall be repaired or replaced by the Contractor at his expense.

*In the event of plan alterations causing increase or decrease to the quantity of specified lump sum work, the following estimated quantities shall be used to determine theoretical unit price as defined in subsection 104.02(B) lump sum items.

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
	DRAWN BY _____
	TRACED BY _____
	DESIGNED BY _____
	QUANTITIES BY _____
No. _____	CHECKED BY _____

24

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	RS-0930(5)	1987	25	39



REINFORCED CONCRETE COLLAR DETAIL
Not to Scale

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAILS

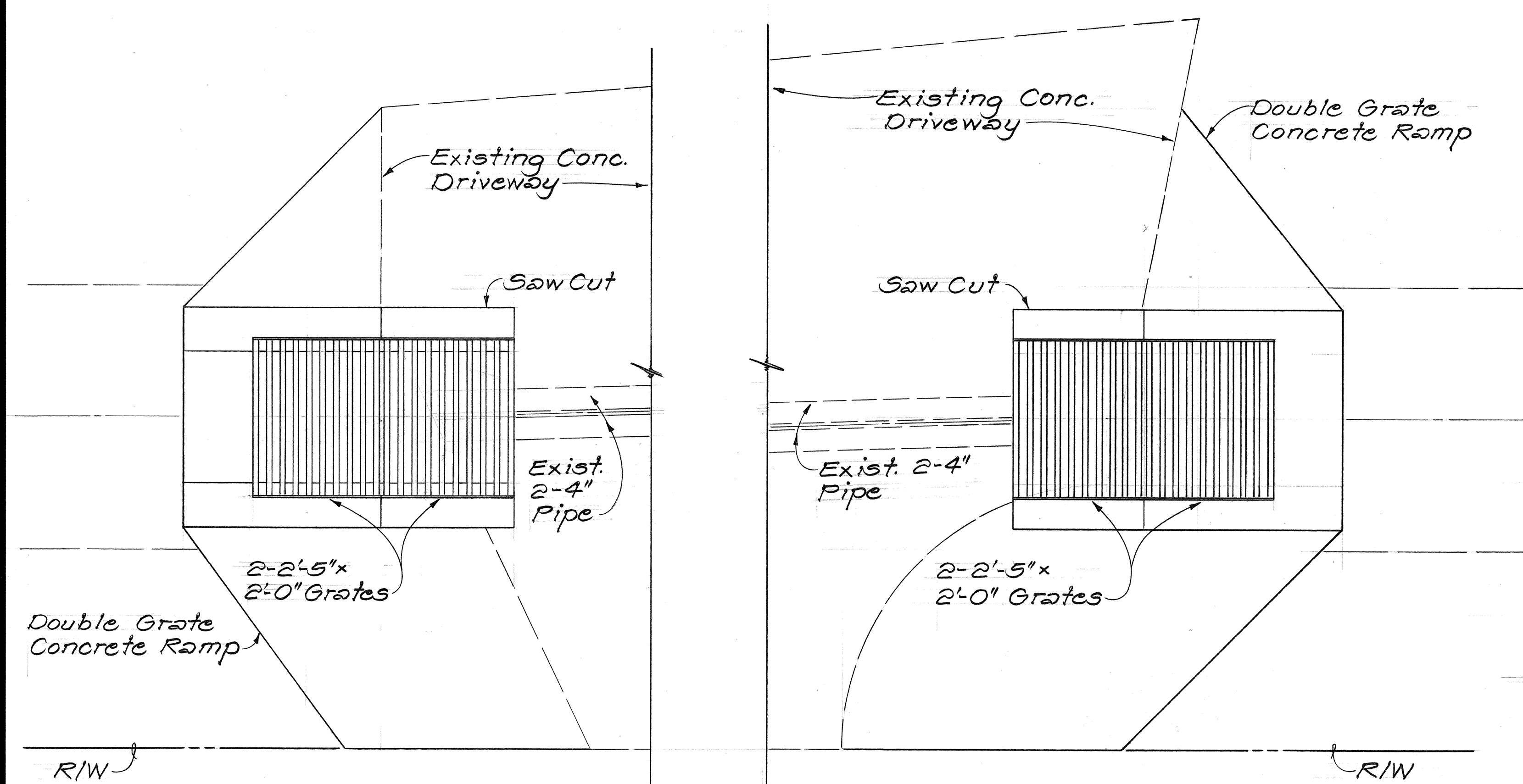
FARRINGTON HIGHWAY RESURFACING
KAUKONAHUA RD. TWD. MAKALEHA BR.
F.A. PROJ. NO. RS-930(5)

Scale: As Shown Date: May 1987

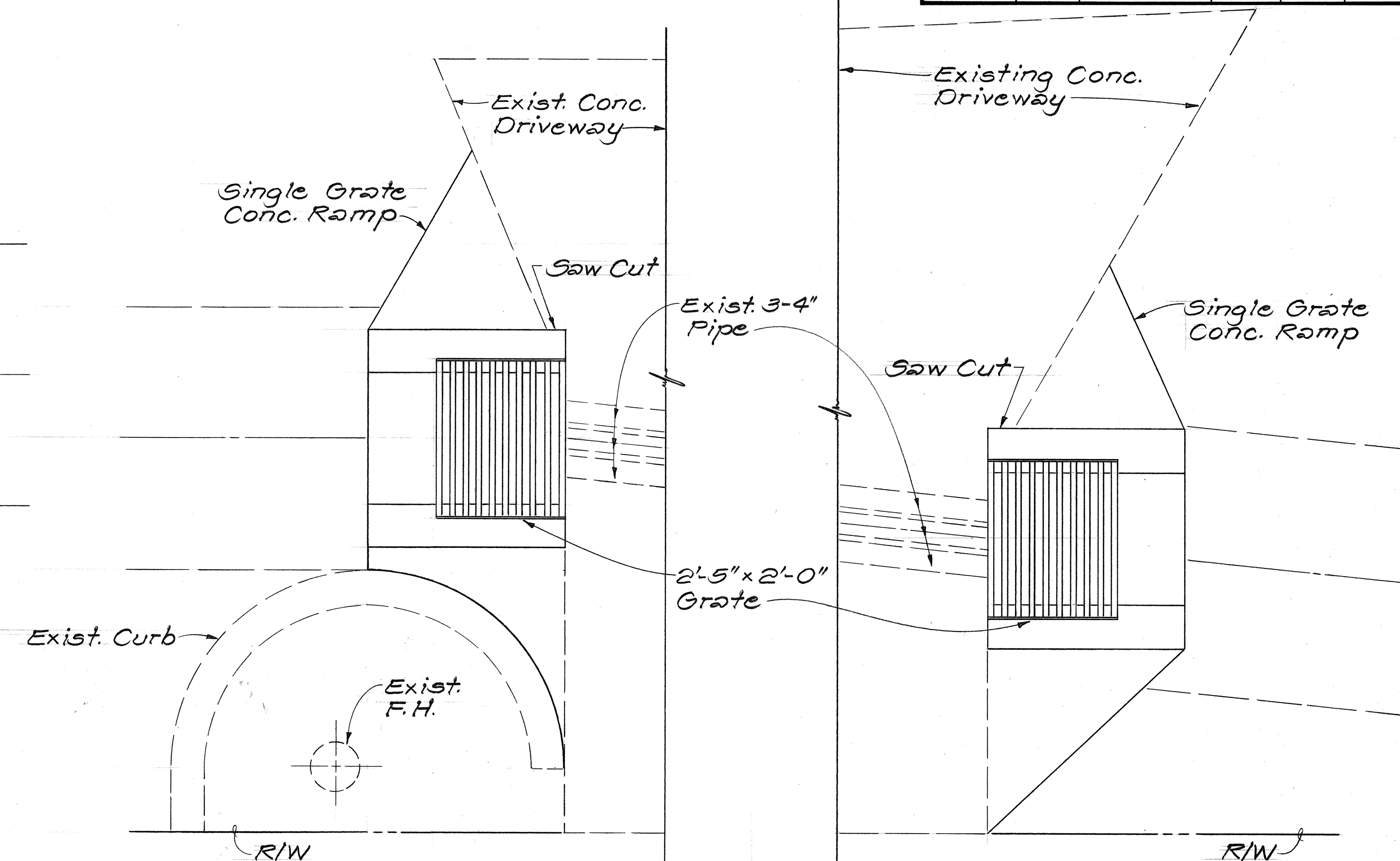
SHEET NO. 24 OF 3 SHEETS

ORIGINAL PLAN	DATE
DESIGNED BY	
CHECKED BY	
NO.	

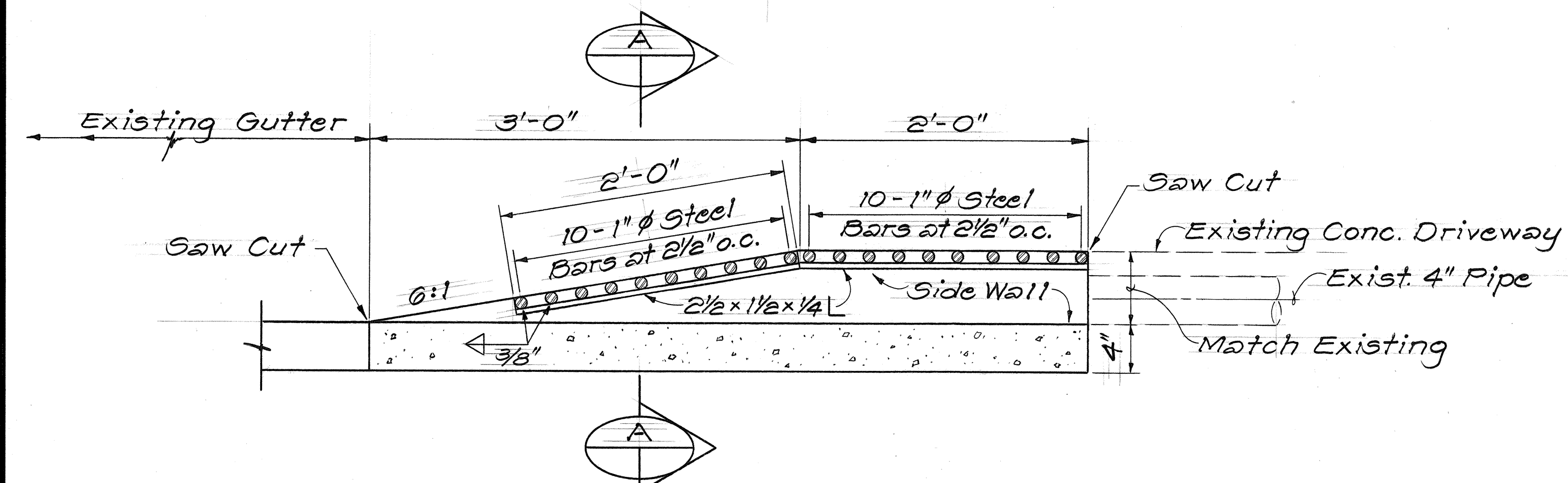
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	RS-0930(5)	1987	26	39



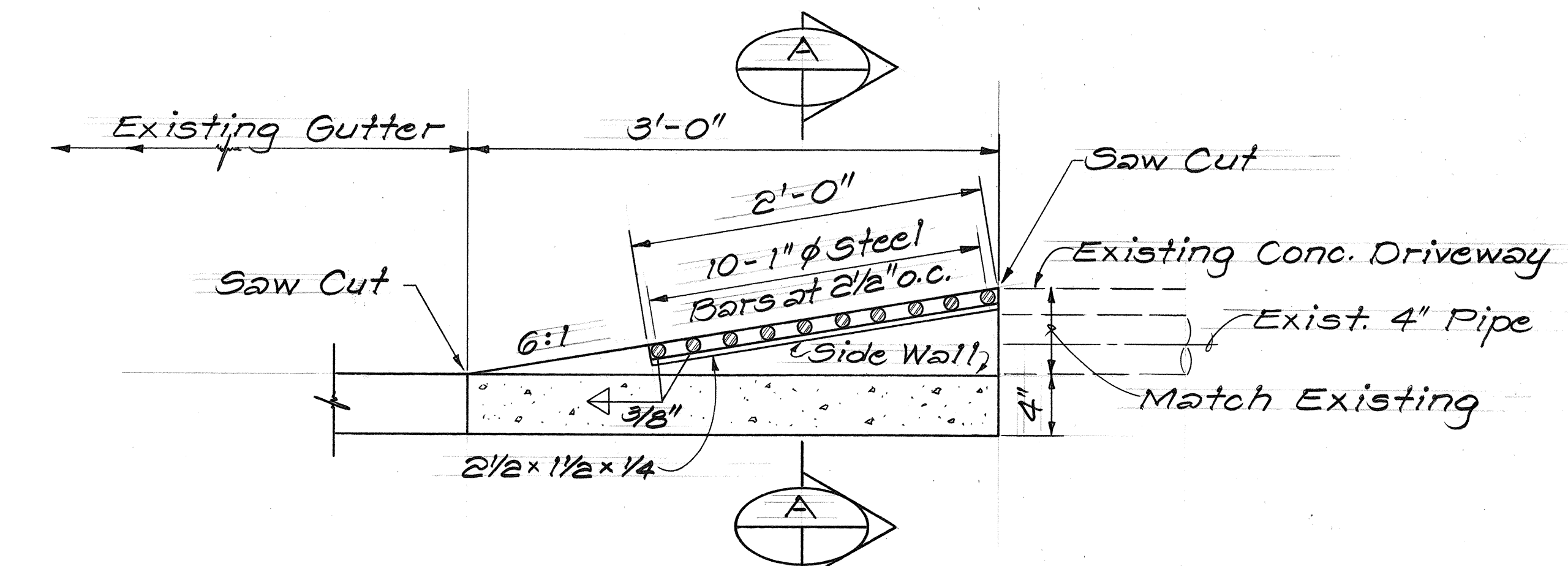
PLAN
STA. 72+10
Scale: 3/4" = 1'-0"



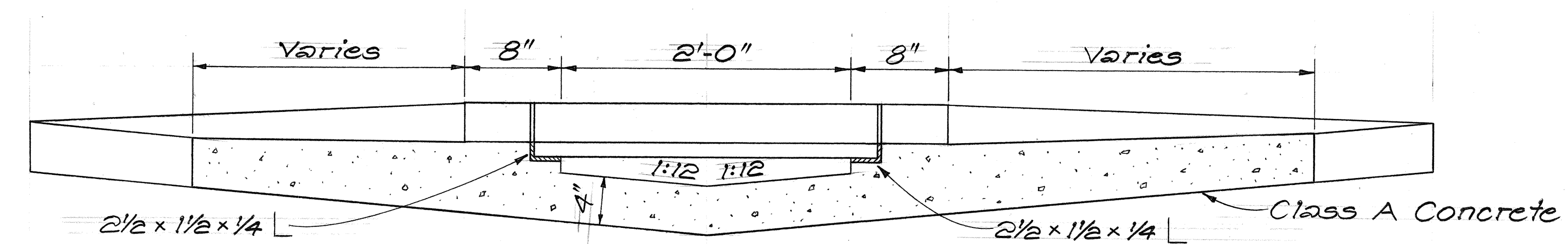
PLAN
STA. 74+05
Scale: 3/4" = 1'-0"



DOUBLE GRATE CONCRETE RAMP INLET PROFILE
Scale: 1 1/2" = 1'-0"



SINGLE GRATE CONCRETE RAMP INLET PROFILE
Scale: 1 1/2" = 1'-0"



TYPICAL SECTION "A"
Scale: 1 1/2" = 1'-0"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAILS

FARRINGTON HIGHWAY RESURFACING
KAUKONAHUA RD. TWD. MAKALEHA BR.
F.A. PROJ. NO. RS-930(5)
Scale: As Shown Date: May 1987

SHEET NO. 34 OF 3 SHEETS

DATE: _____
DESIGNED BY: _____
CHECKED BY: _____
NO. _____