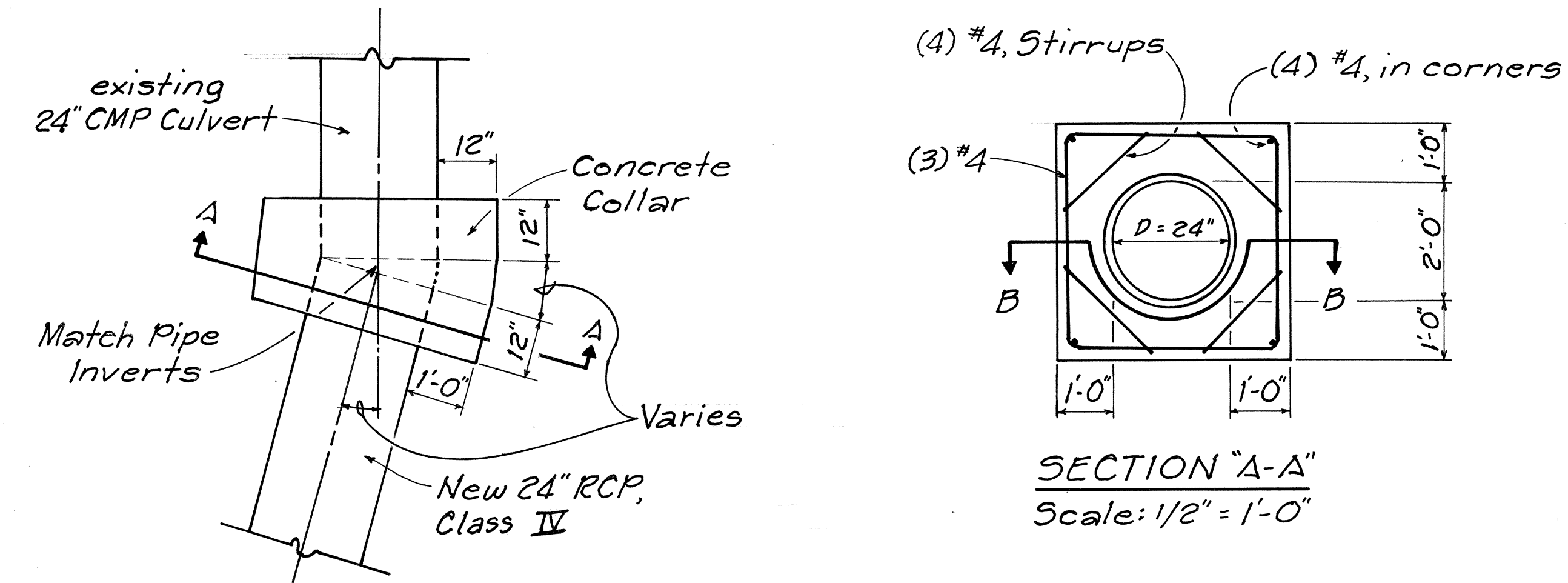


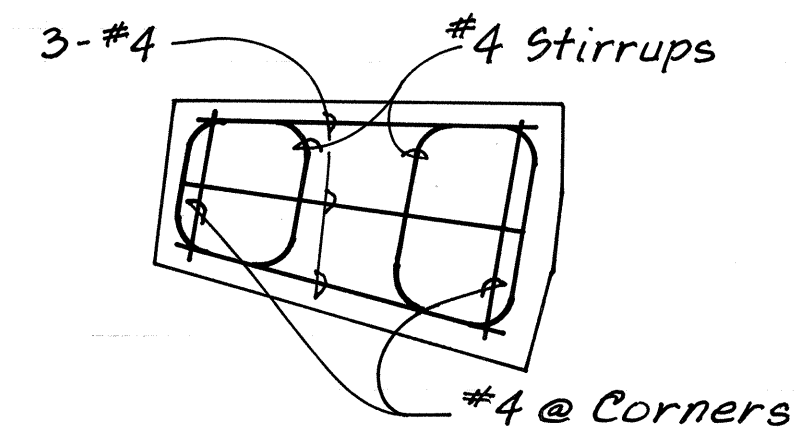
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	19D-01-92M	1992	10	18



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

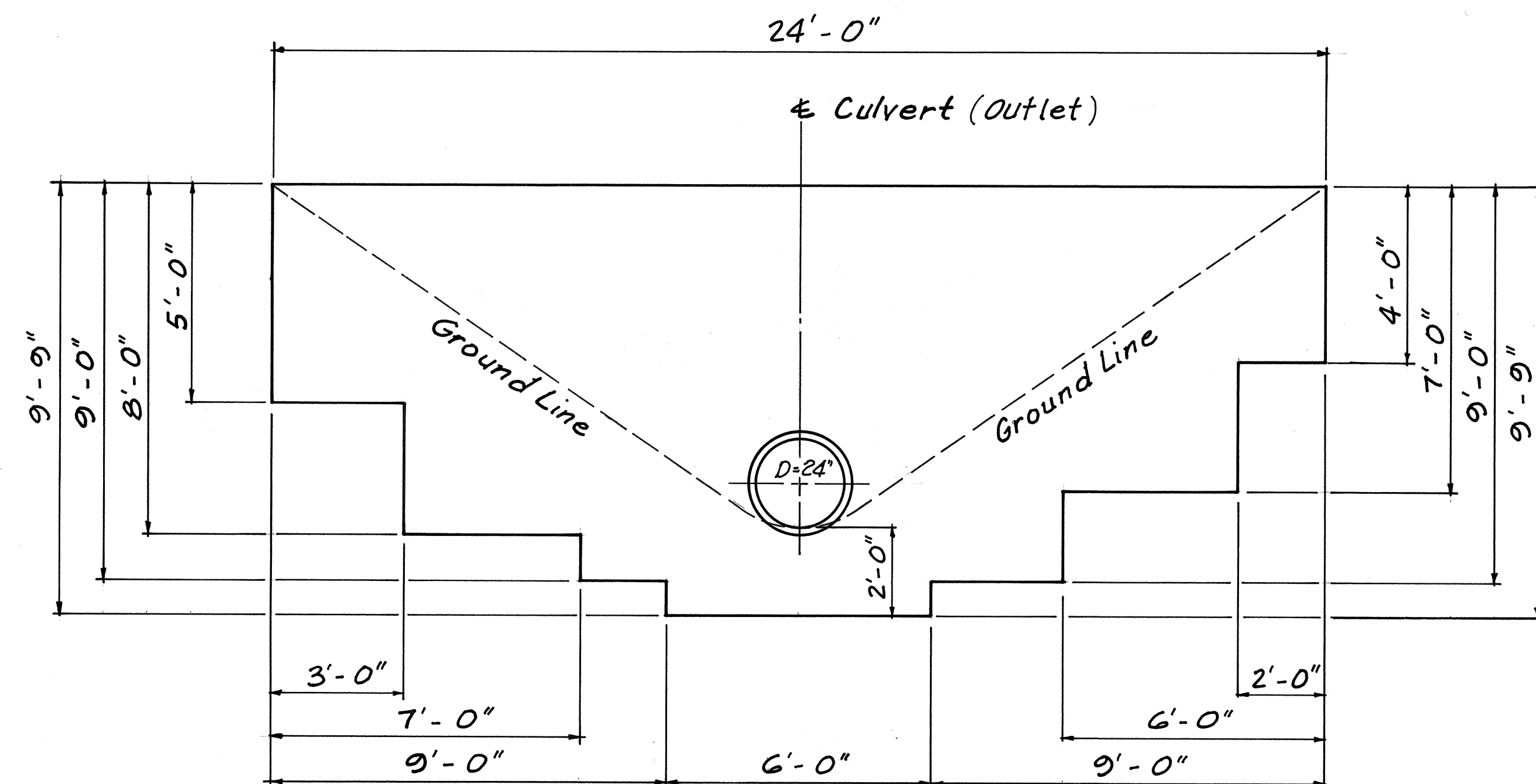
NOTES:

1. Remove existing Headwall & Clean CMP Prior to Constructing Collar.
2. Concrete Cover for Reinforcing Steel to be 3 inches.



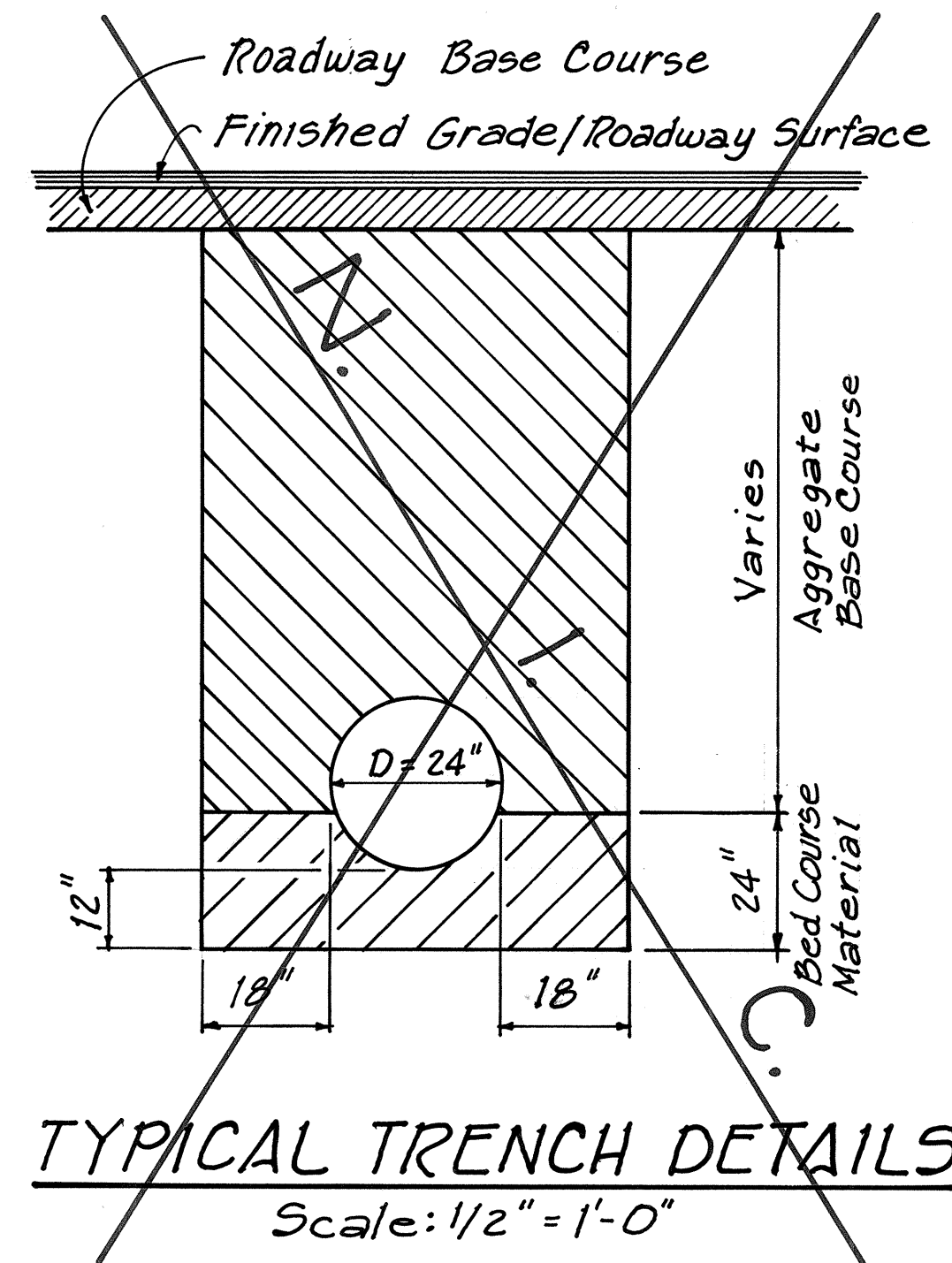
SECTION "B-B"
Scale: 1/2" = 1'-0"

REINFORCED CONCRETE COLLAR DETAILS

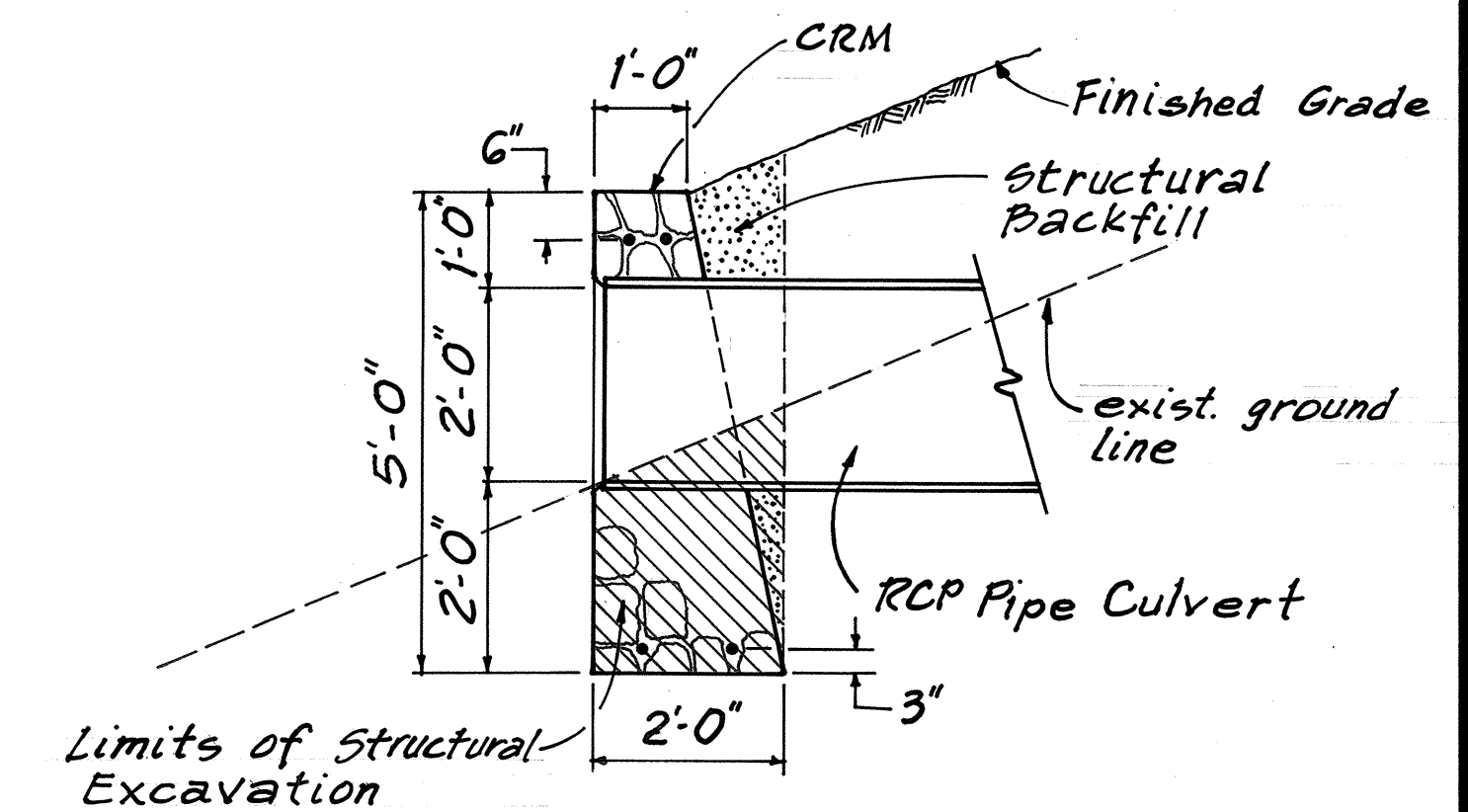


CRM HEADWALL ELEVATION @ STA. 137+60 RT.
Scale: 3/8" = 1'-0"

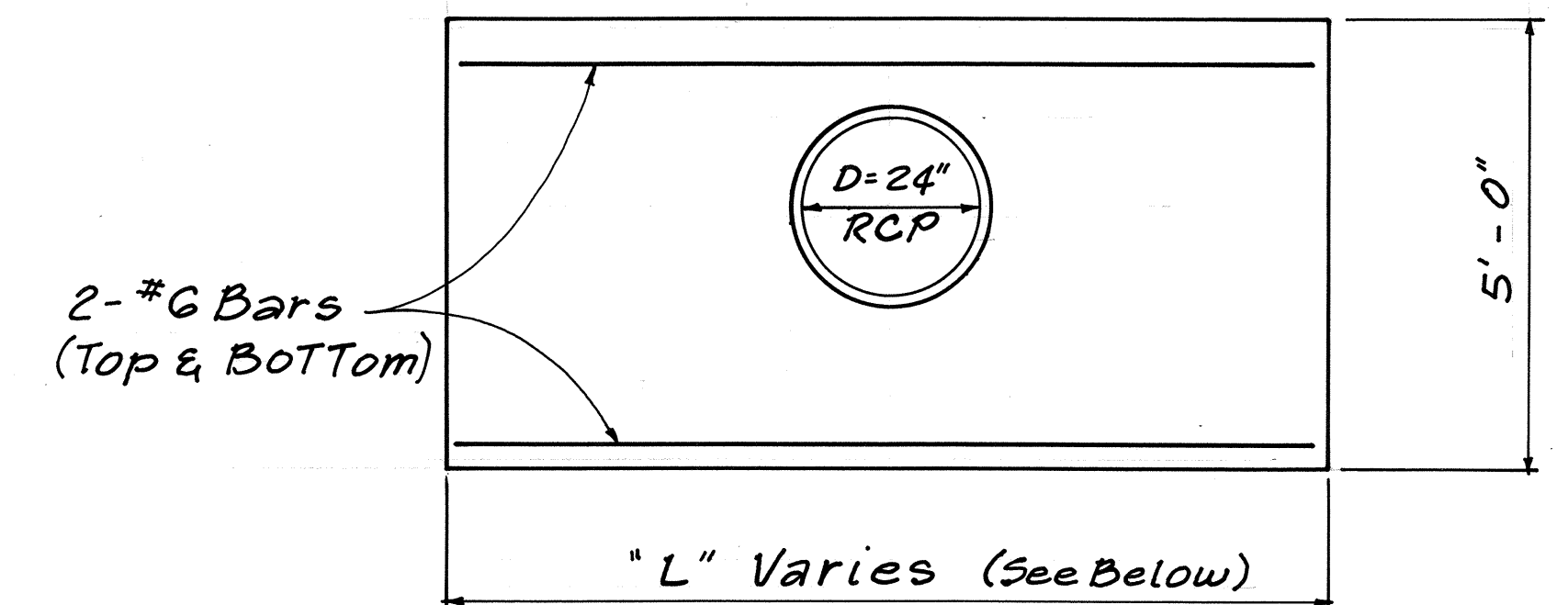
Note: Refer to Sheet No. 3 for
Typical Section of CRM Wall.



TYPICAL TRENCH DETAILS
Scale: 1/2" = 1'-0"



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

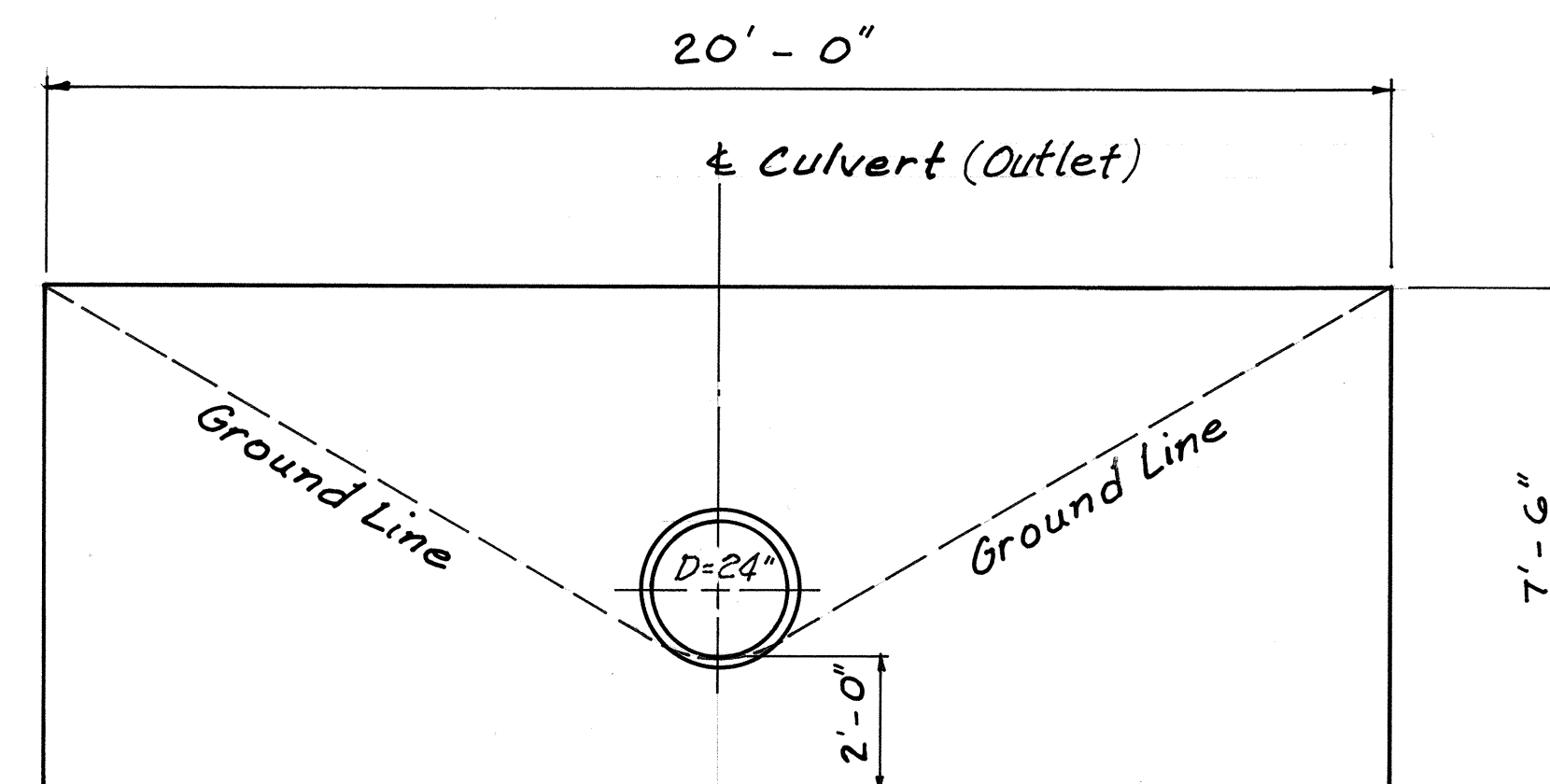


ELEVATION
Scale: 1/2" = 1'-0"

- Sta. 101+00 LT. - L = 10'-0"
Sta. 104+65 RT. - L = 10'-0"
Sta. 106+50 RT. - L = 10'-0"
Sta. 137+60 LT. - L = 11'-0"

CRM HEADWALL DETAILS

Note: Refer to Sheet No. 9 for Drainage Notes.



CRM HEADWALL ELEVATION @ STA. 101+00 RT.
Scale: 3/8" = 1'-0"

Note: Refer to Sheet No. 3 for
Typical Section of CRM Wall.

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
CRM CULVERT DETAILS
KAWAIHAE ROAD CULVERT EXTENSIONS PROJECT NO. 19D-01-92M Scale: As Noted Date: Apr. 1992
SHEET No. 1 OF 1 SHEETS