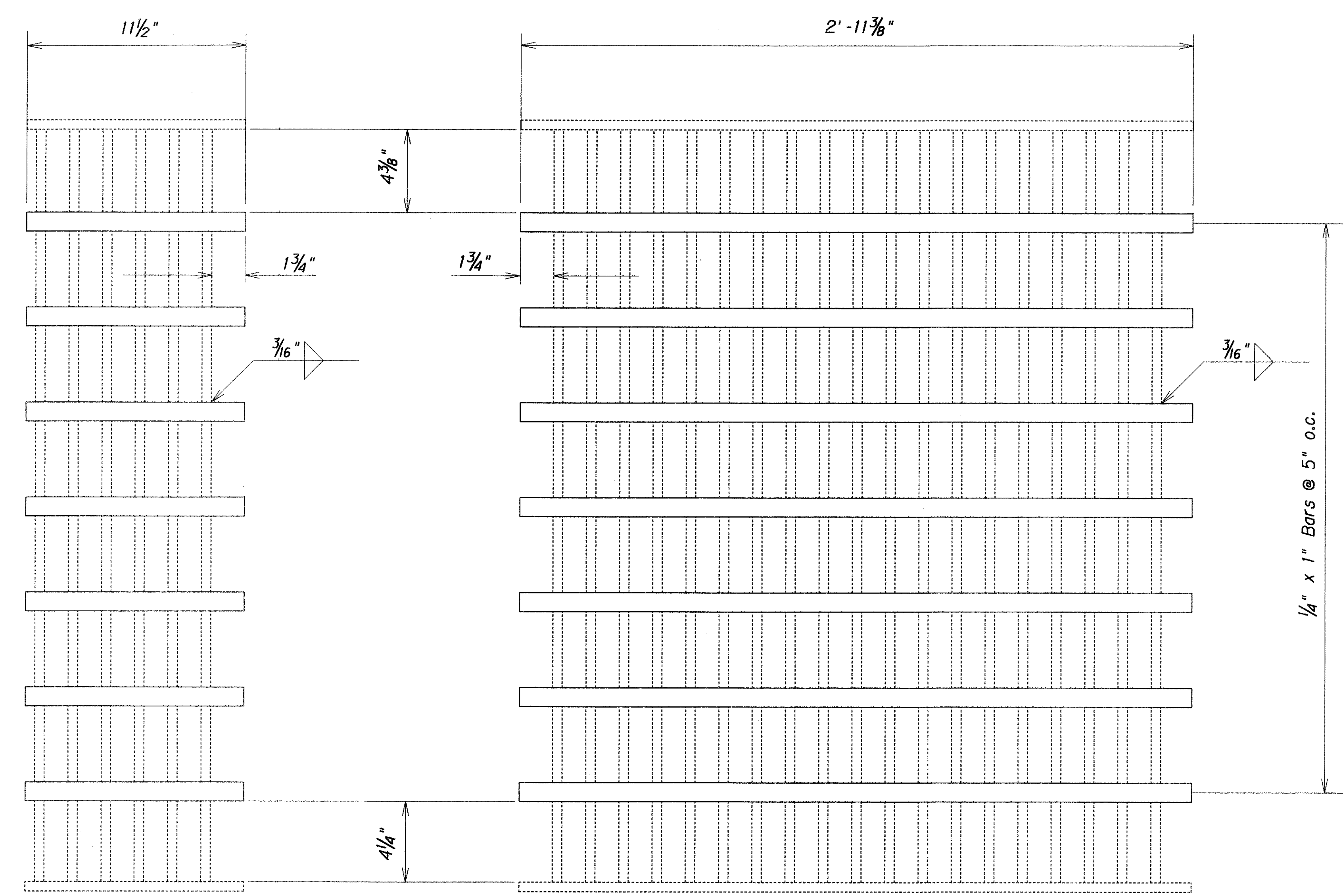


| FED. ROAD DIST. NO. | STATE | PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-----------|-------------|-----------|--------------|
| HAWAII | HAW. | 93A-02-90 | 1992 | 6 | 11 |



2:1 GRATE

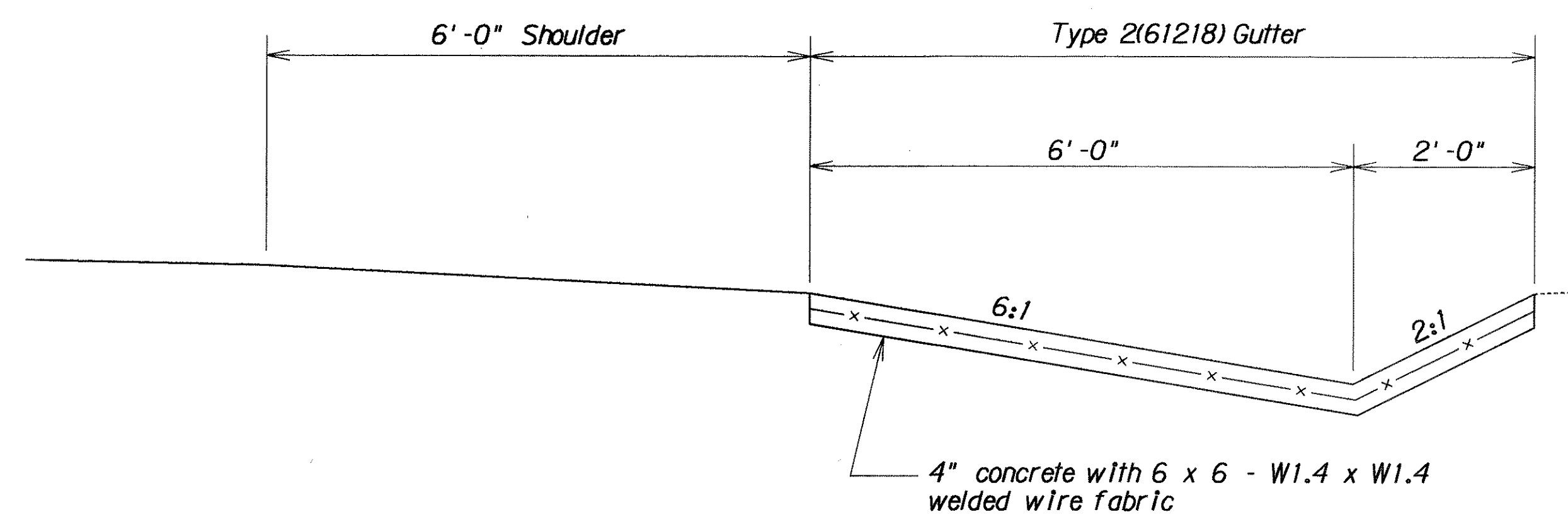
6:1 GRATE

MODIFICATION OF EXISTING 61214 STEEL GRATES

Scale: 3" = 1'-0"

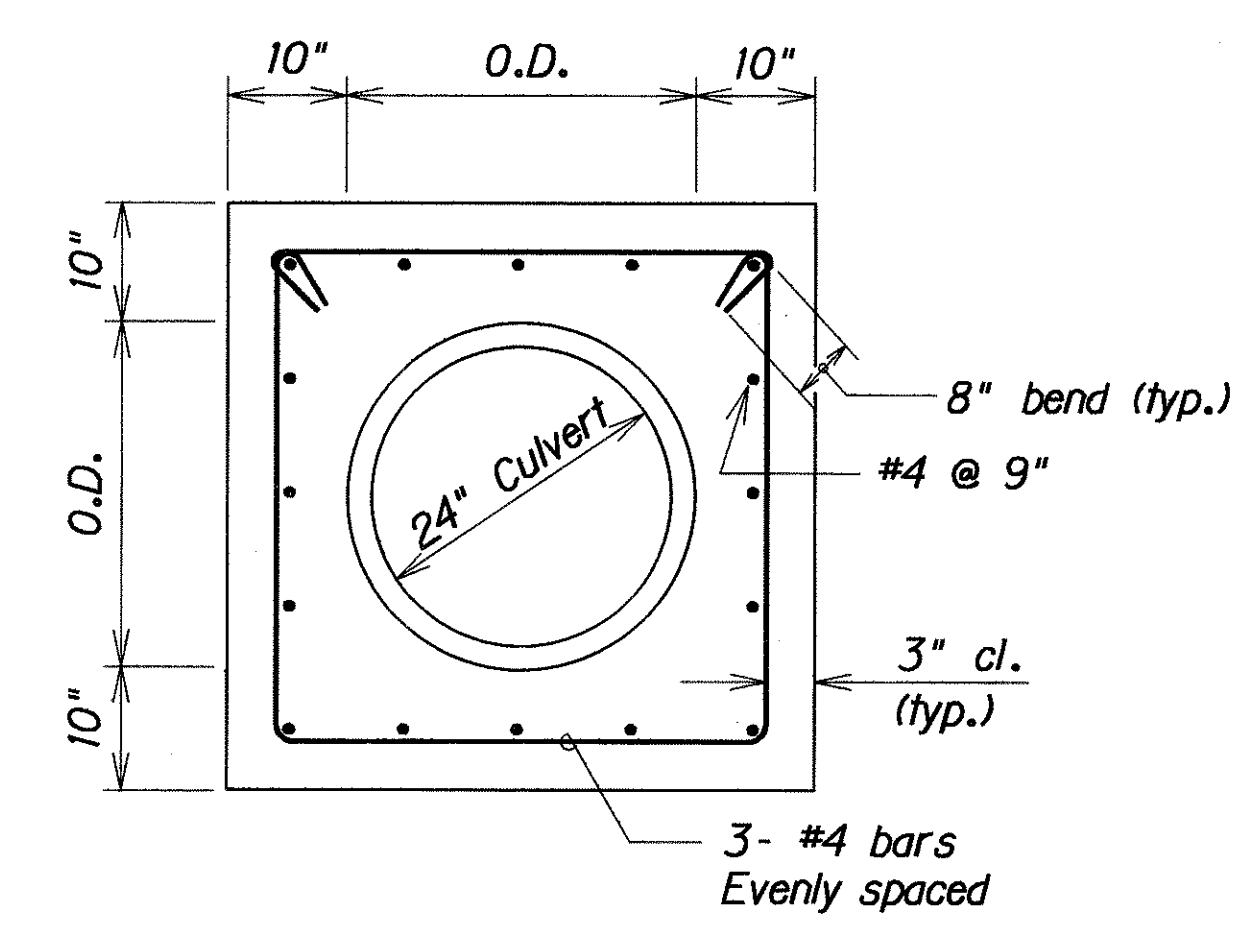
GENERAL NOTES:

- Existing drainage system will be functional at all times during construction. The Contractor is to furnish materials, equipment, labor tools and Incidentals necessary to maintain flow. The cost for this work 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 by the Contractor at his own expense.
- Concrete shall be Class A unless otherwise noted.
- Chamfer all exposed concrete edges 1".
- Culverts within the GDI & Manhole shall be cut flush with the inside face of the wall. Above work shall be considered incidental to the various Contract Items.
- The reinforced concrete collar used to join new culvert to existing culvert shall not be paid for separately but shall be considered incidental to the various contract items.
- The frame and grates from the existing Type 61214 GDI shall be salvaged, cleaned, modified, and reinstalled into the new Type 61214 GDI. The cost for this work shall be incidental to the various contract items.
- Demolishing, removing, and disposing of existing drainage structures shall not be paid for separately but shall be considered incidental to the various contract items.

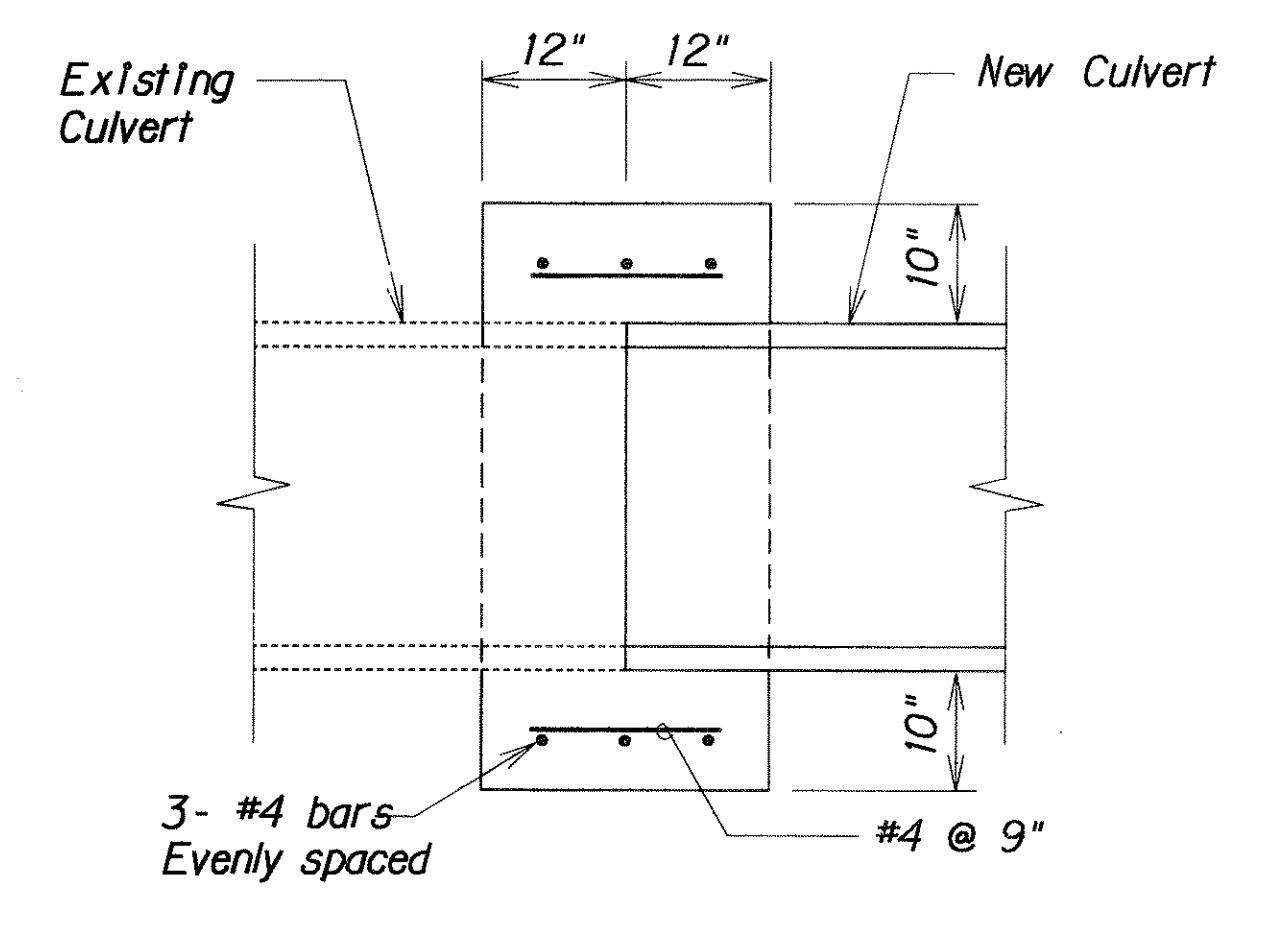


DETAIL OF TYPE 2(61218) GUTTER

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



ELEVATION



SECTION

Note: Reinforcing Steel for Concrete Collar shall conform to the requirements of ASTM 615-Grade 60.

TYPICAL DETAILS OF REINFORCED CONCRETE COLLAR

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

| | |
|-------------------|-------|
| DATE | _____ |
| SURVEY PLOTTED BY | _____ |
| DRAWN BY | _____ |
| DESIGNED BY | _____ |
| CHECKED BY | _____ |
| ORIGINAL PLAN | _____ |
| NOTE BOOK | _____ |
| NO. | _____ |

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAILS

FARRINGTON HIGHWAY
Traffic Signal at Mohihi Street

PROJECT NO. 93A-02-90

Scale: As Noted Date: Mar., 1992

SHEET No. H1 OF 1 SHEETS