

LICENSED PROFESSIONAL ENGINEER \★\ No. 1864-C / ★ THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

XPIRATION DATE OF THE LICENSE

DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION MISCELLANEOUS DETAILS

MOKULELE HIGHWAY WIDENING Vicinity of Kealia Pond Driveway

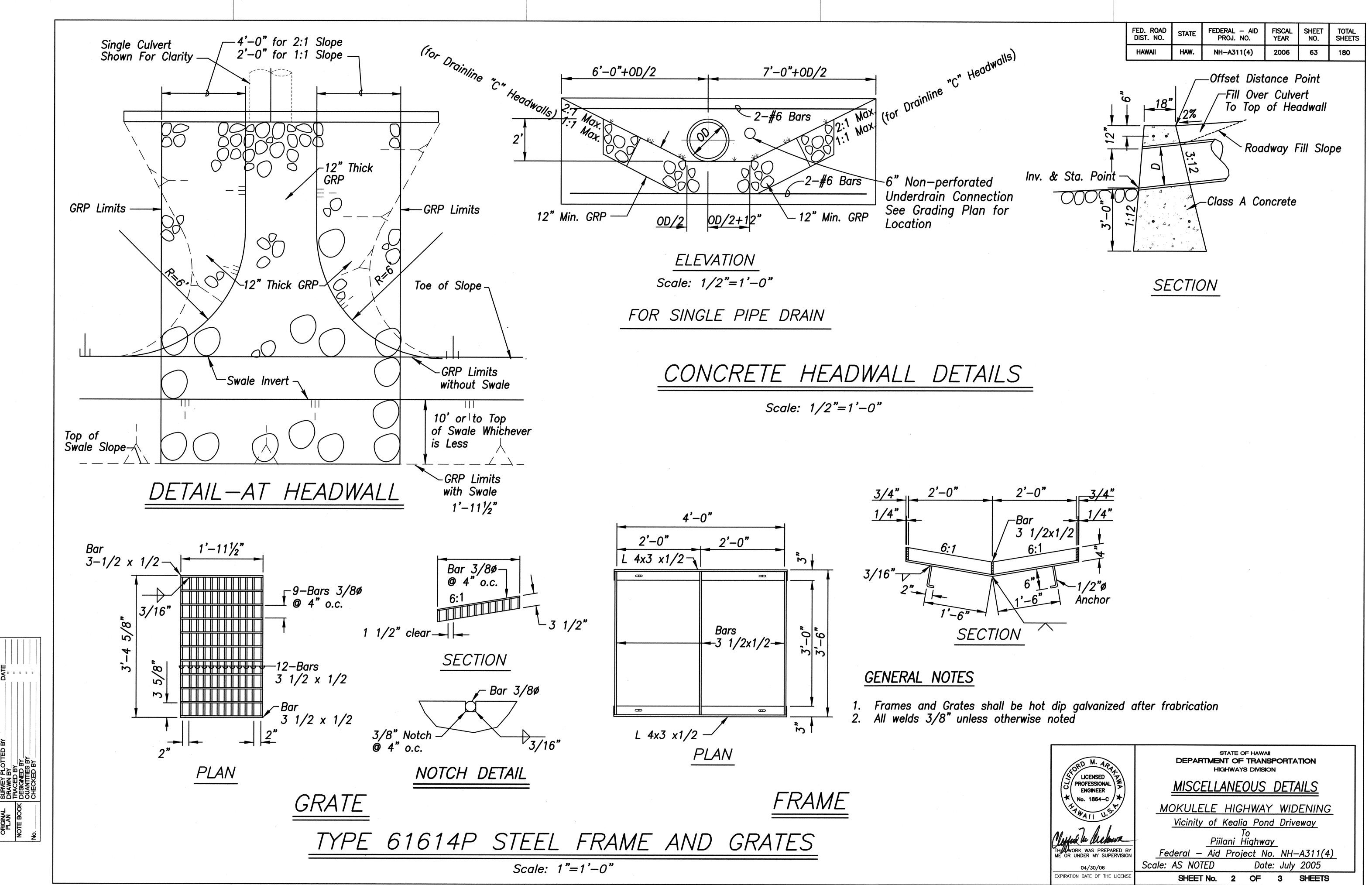
<u>Piilani Highway</u>

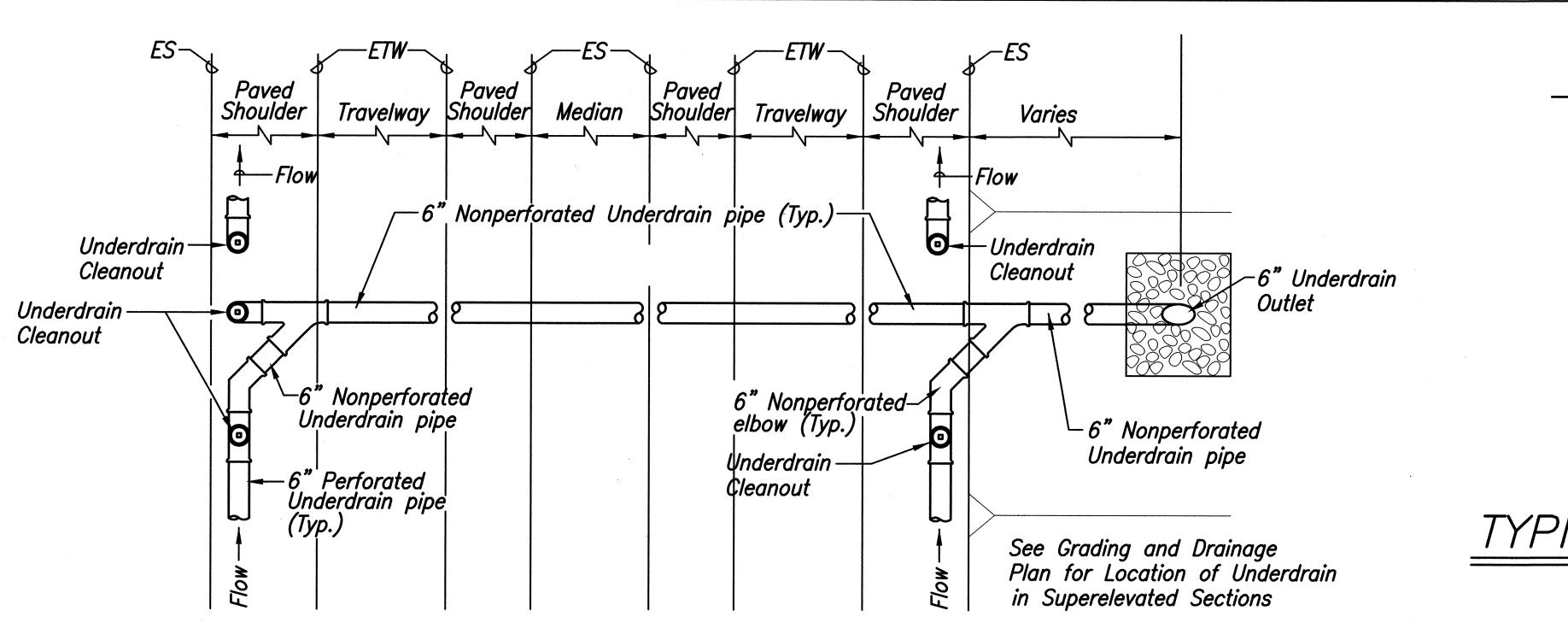
Federal - Aid Project No. NH-A311(4) Scale: AS NOTED Date: July 2005 04/30/06

> OF 3 SHEETS SHEET No.

62

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FED. ROAD DIST. NO. FEDERAL — AID PROJ. NO. FISCAL YEAR SHEET NO. TOTAL SHEETS STATE Finish Grade 2006 HAWAII NH-A311(4) **Pavement Section** or Top Soil Single Structure or Dual or Trench Backfill Note: For CLSM Backfill See Specifications, 0.15 O.D. Section 603. Bedcourse Material CULVERT TRENCH SECTION

TYPICAL

Pathway

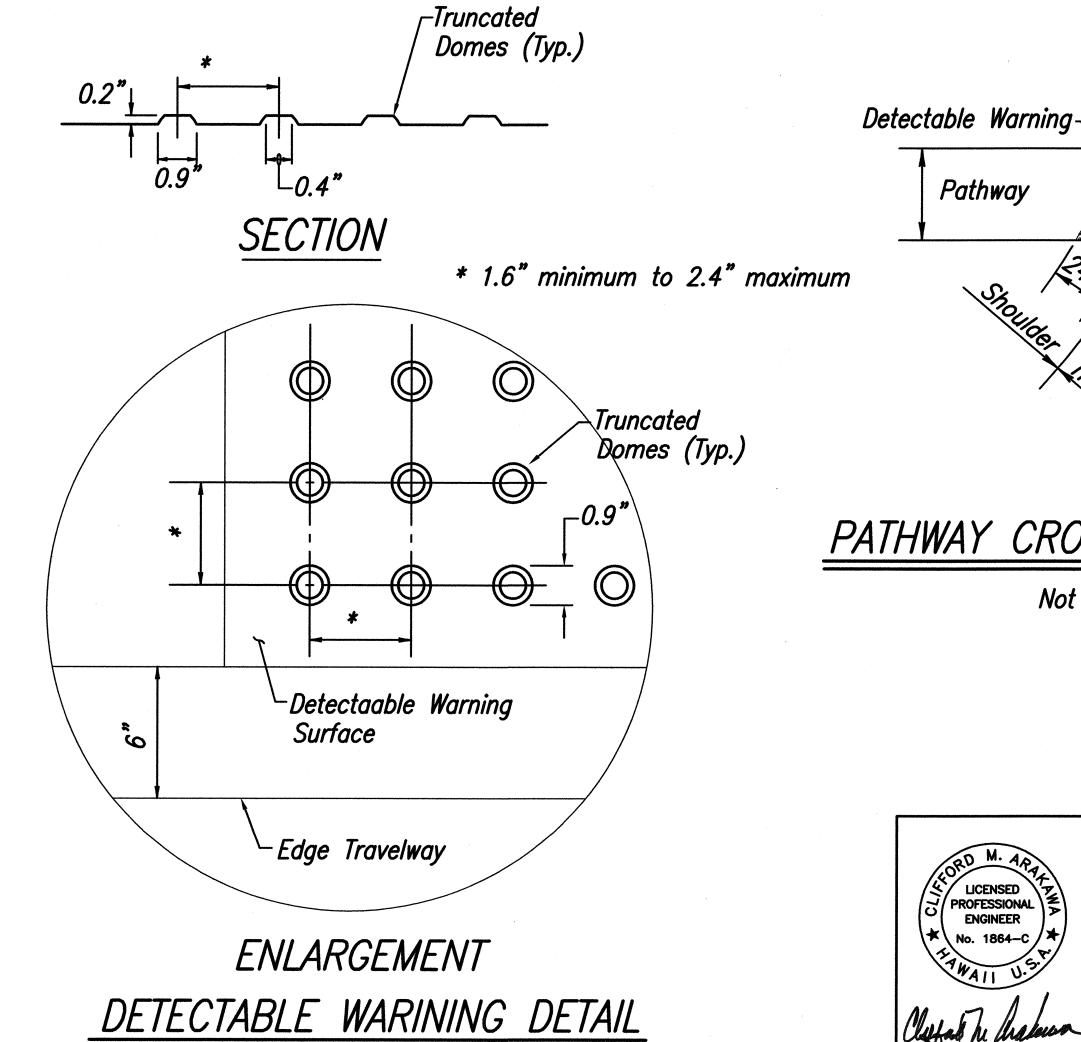
Scale: 3/4"=1'-0"

CONNECTION TO UNDERDRAIN OUTLET

Scale: Not to Scale

Detectable Warning Notes:

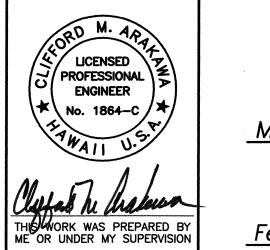
- 1. Detectable warnings shall be 24 inches in the direction of travel and extend the full width of the pathway.
- 2. Truncated domes shall have a diameter of 0.9 inch at the bottom, a diameter of 0.4 inch at the top, a height of 0.2 inch and a center-to-center spacing of 2.35 inches measured along one side of a square arrangement.
- 3. Domes shall be aligned on a square grid in the predominant direction of travel to permit wheels to roll between the domes.
- 4. There shall be a minimum of 70 percent contrast in light reflectance between the detectable warning and an adjoining surface, or the detectable warning shall be "safety yellow".
- 5. The material used to provide visual contrast shall be an integral part of the detectable warning surface.
- 6. The detectable warning shall be located so that the edge nearest the curb line or other potential hazard is 6 to 8 inches from the curb line or other potential hazard, such as a reflecting pool edge or the edge of a transit platform.
- 7. Install detectable warnings at all new curb ramps. Payment for the detectable warnings shall not be paid seperately, but shall be considered incidental to the curb ramp items.
- 8. Detectable warning will not be paid for separately but will be considered incidental to the various contract items.



Not to Scale

PLAN PATHWAY CROSSINGS AT ROADWAYS

Not to Scale



04/30/06 XPIRATION DATE OF THE LICENSE

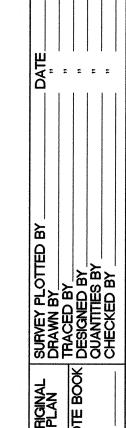
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

MISCELLANEOUS DETAILS

MOKULELE HIGHWAY WIDENING Vicinity of Kealia Pond Driveway

lo <u>Piilani Highway</u>

Federal - Aid Project No. NH-A311(4) Scale: AS NOTED Date: July 2005 OF 3 SHEETS SHEET No. 3



64