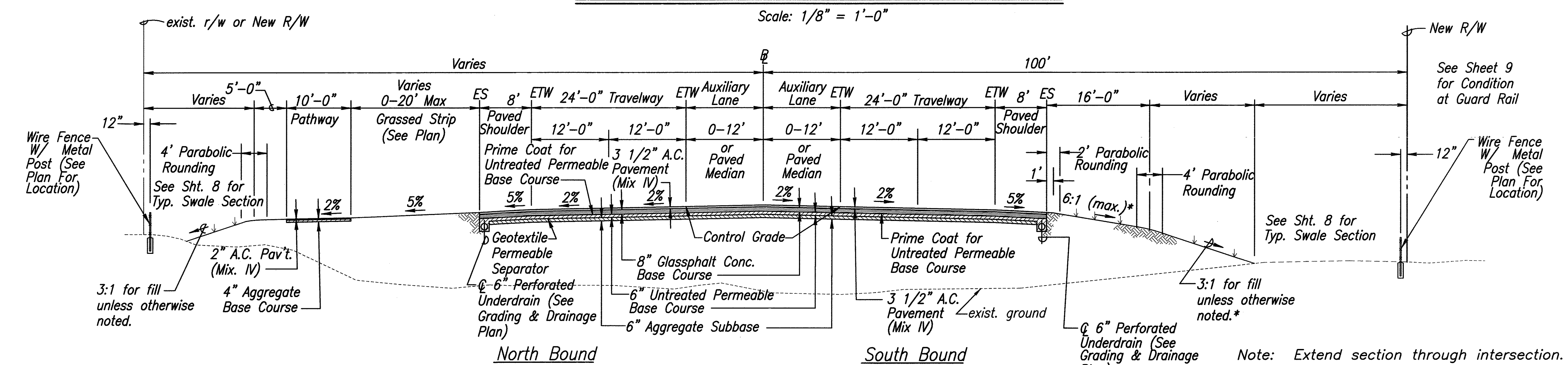
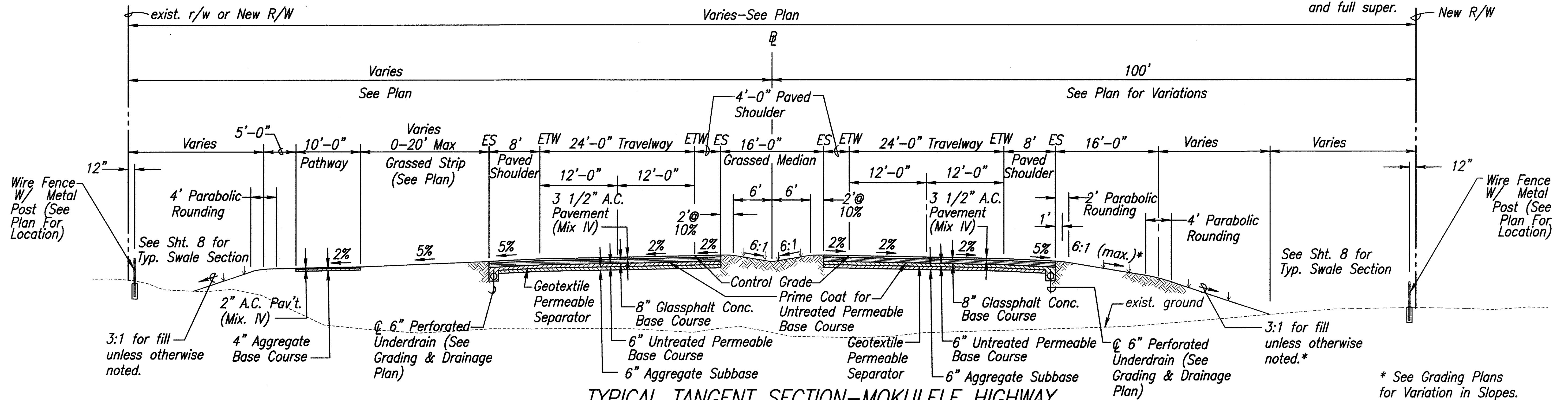


FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(7)	2004	6	138

NOTE: See Superelevation Diagram for location of transitions and full super.



- Notes:
- All shoulders and graded slopes shall be planted with grass and/or ground covering in accordance with the Landscape Plans.
  - Maximum change in slope between the travelway and outside shoulder shall be 7.0%.
  - Existing Pavement Structure to be Demolished and Removed Not Shown for Clarity.
  - See Grading and Drainage Plan For Variations in Shoulder Slopes.
  - See Sheet 57 For Typical Underdrains Sections.
- Note: Extend section through intersection.

DATE: 7/11/02

7/11/02

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ORIGINAL PLAN

SURVEY PLOTTED BY

DESIGNED BY

NOTED BY

CHECKED BY

DATE

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

**TYPICAL SECTIONS**

**MOKULELE HIGHWAY WIDENING**

Vicinity of Koloa Bridge

To

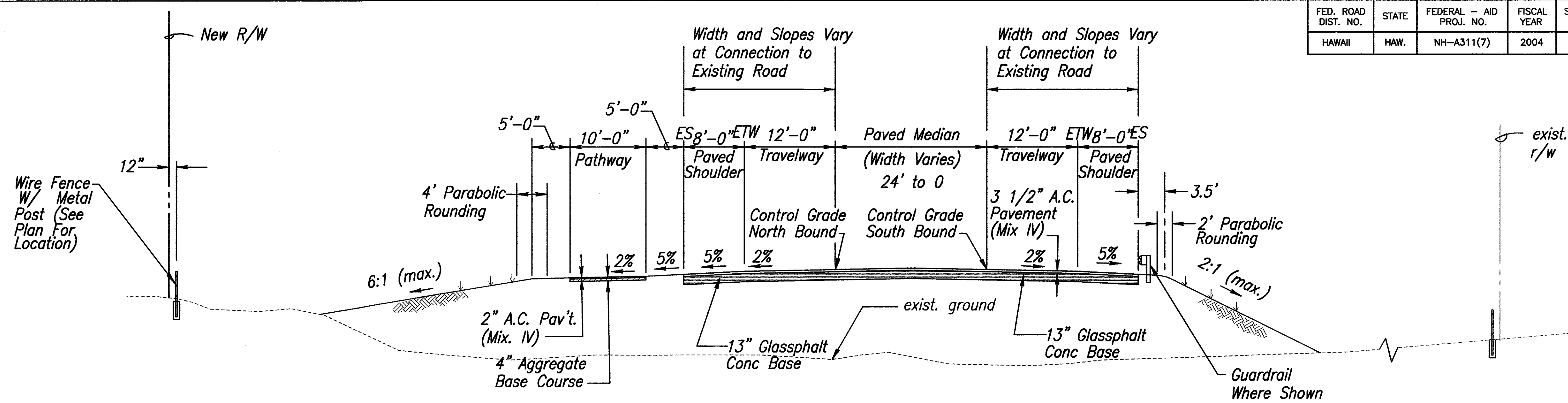
Vicinity of Kealia Pond Driveway

Federal - Aid Project No. NH-A311(7)

Scale: AS NOTED Date: August 2003

SHEET No. 1 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(7)	2004	7	138



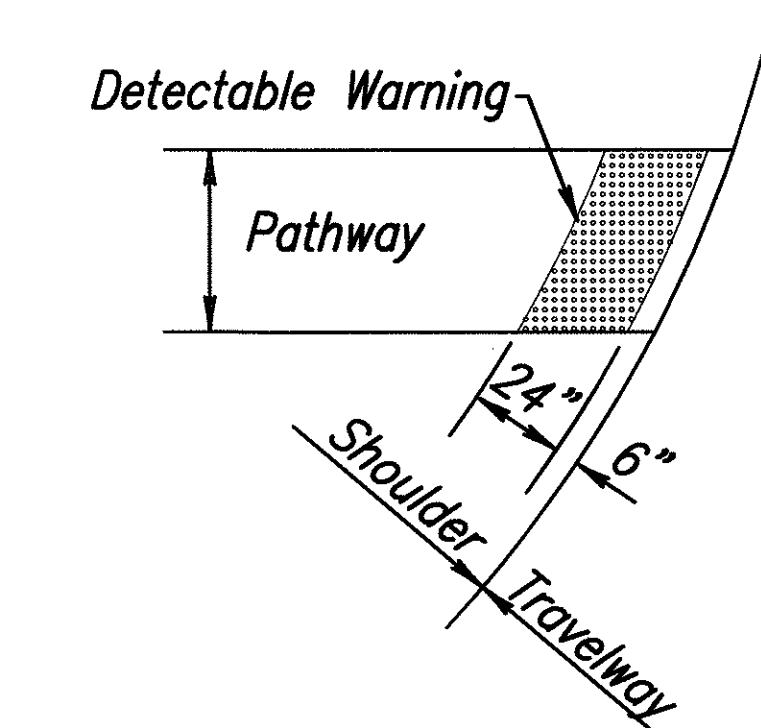
# **TEMPORARY CONNECTION TO EXISTING ROAD**

± STA. 318+25± TO ± STA. 323+13±

Scale: 1/8" = 1'-0"

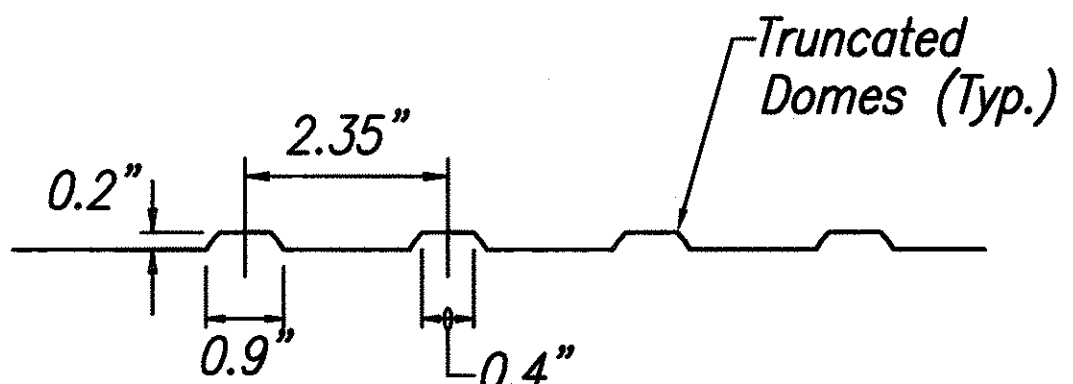
## **Notes:**

1. All shoulders and graded slopes shall be planted with grass and/or ground covering in accordance with the Landscape Plans.
2. Maximum change in slope between the travelway and outside shoulder shall be 7.0%.
3. Existing Pavement Structure to be Demolished and Removed Not Shown for Clarity.
4. See Grading and Drainage Plan For Variations in Shoulder Slopes.
5. See Sheet 57 For Typical Underdrains Sections.

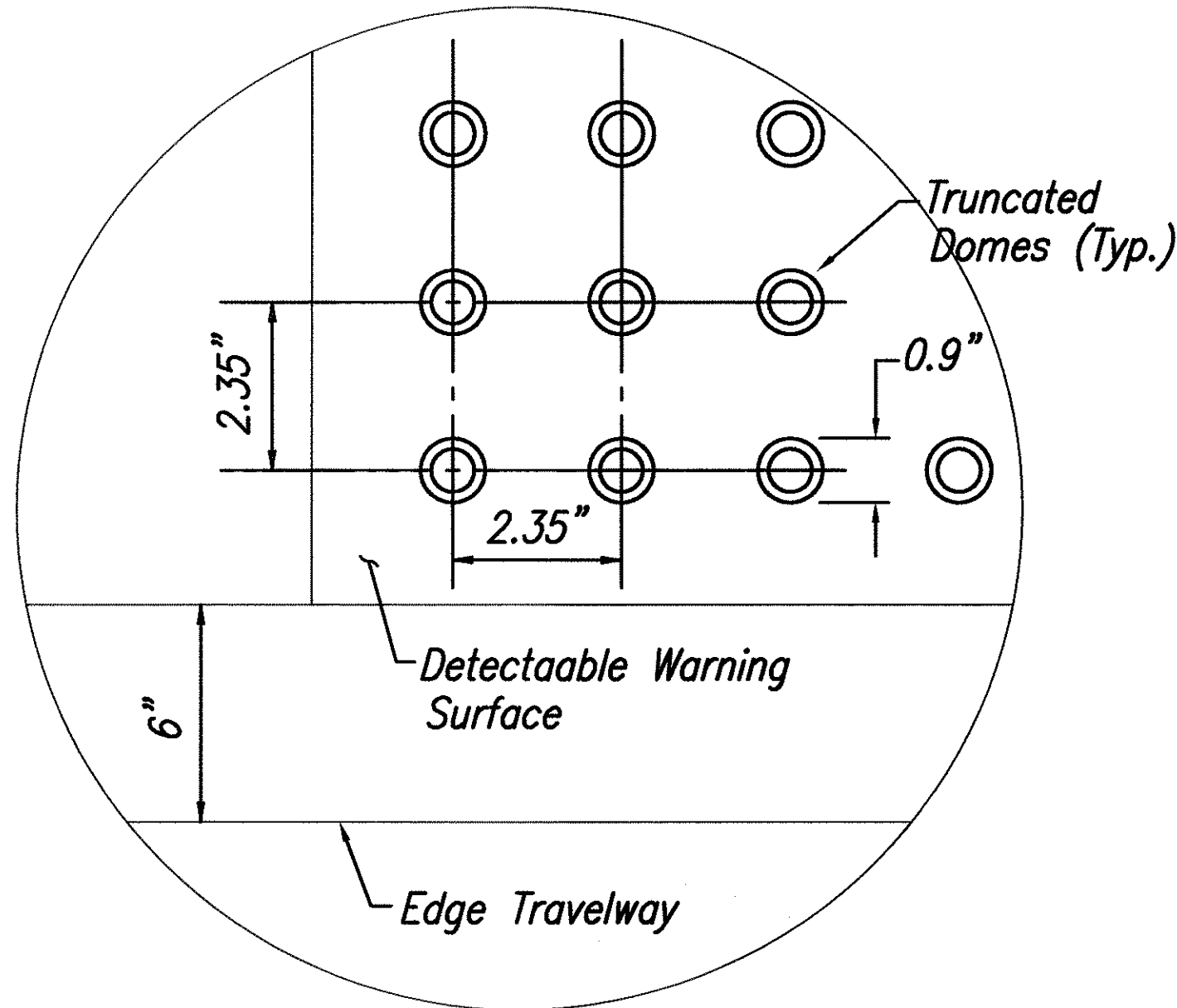


## **PLAN PATHWAY CROSSINGS AT ROADWAYS**

Not to Scale



## **SECTION**



## **ENLARGEMENT**

## **DETECTABLE WARINING DETAIL**

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.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
No.	CHECKED BY	

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

04/30/04

EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TYPICAL SECTIONS**

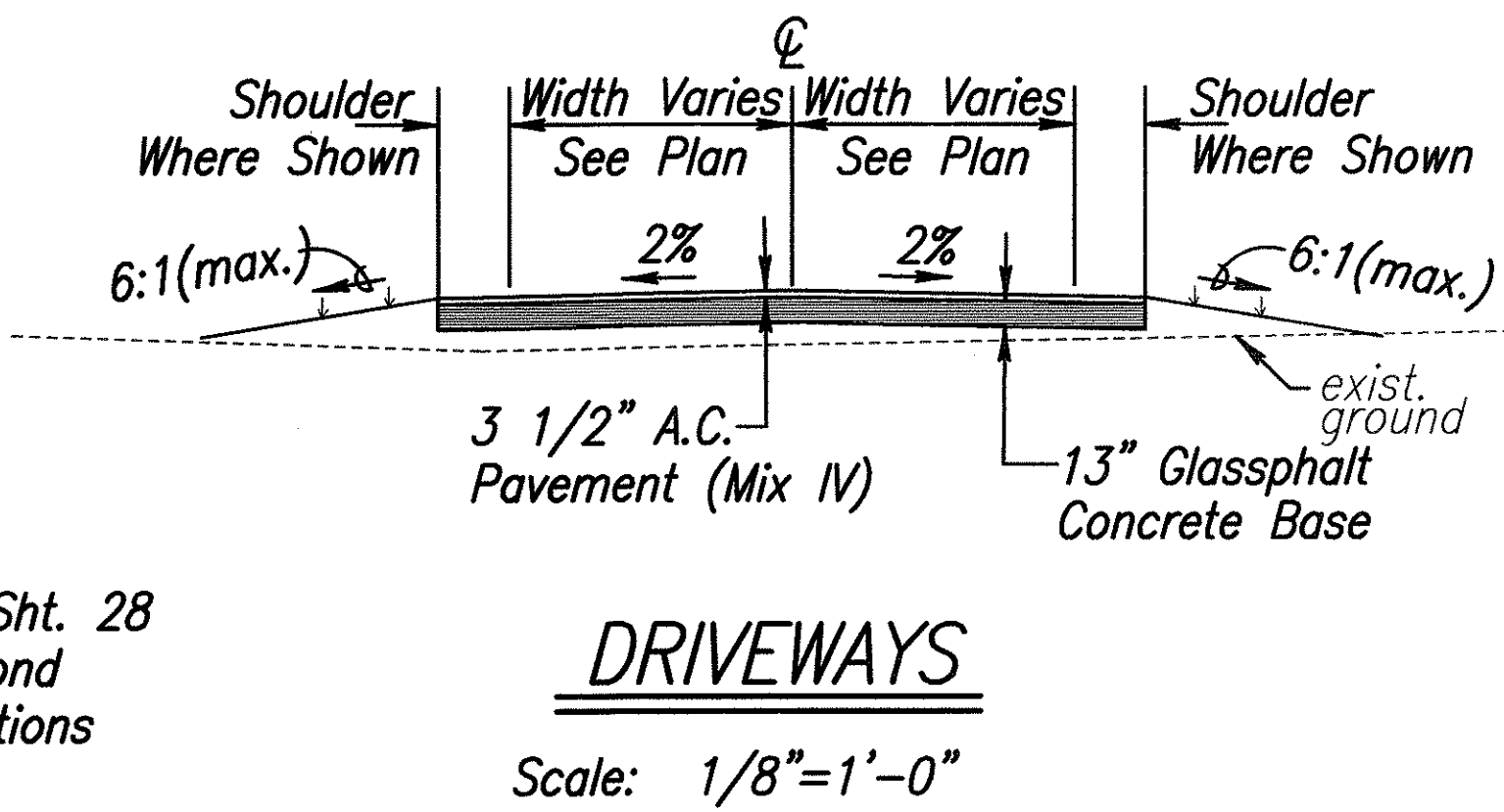
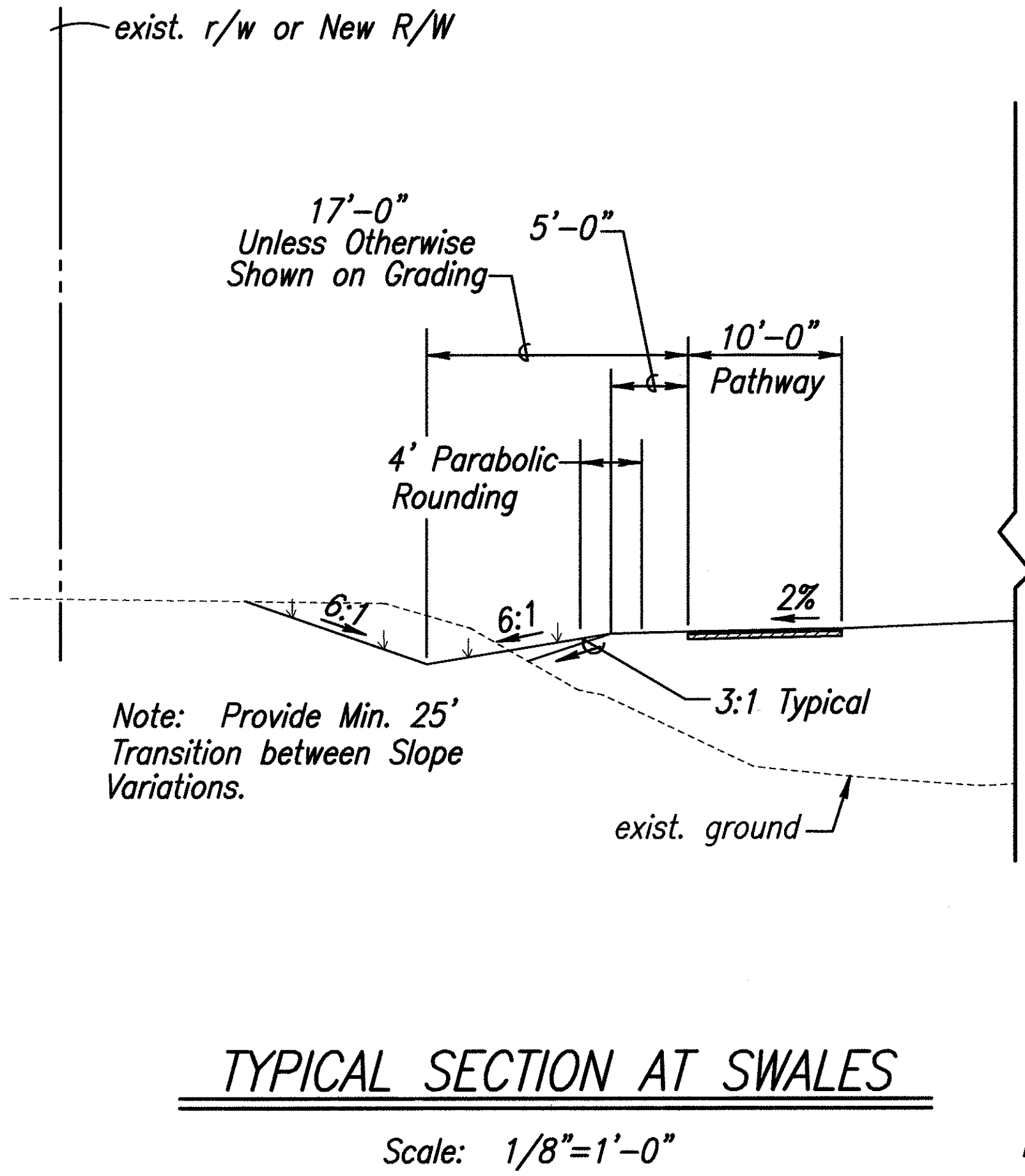
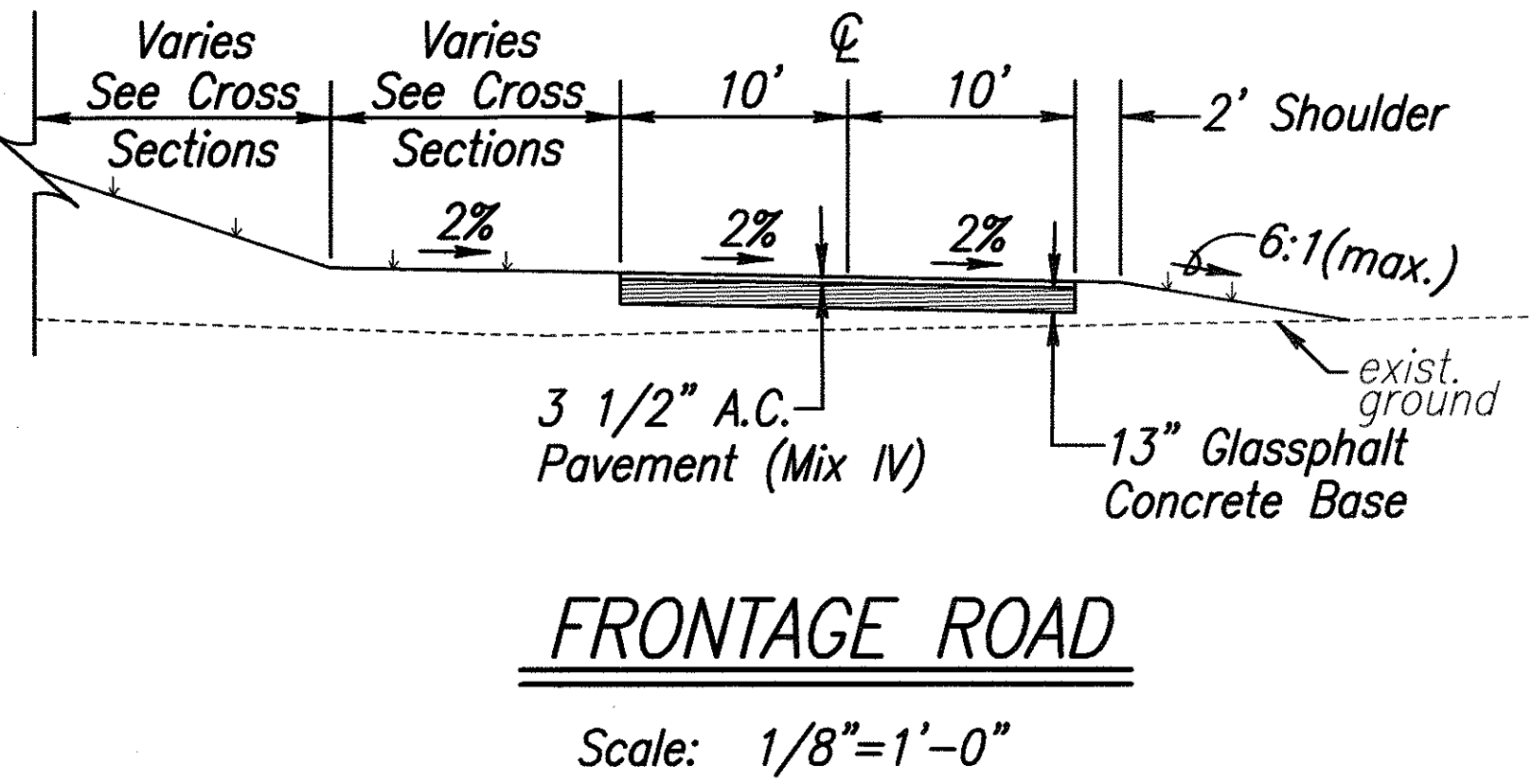
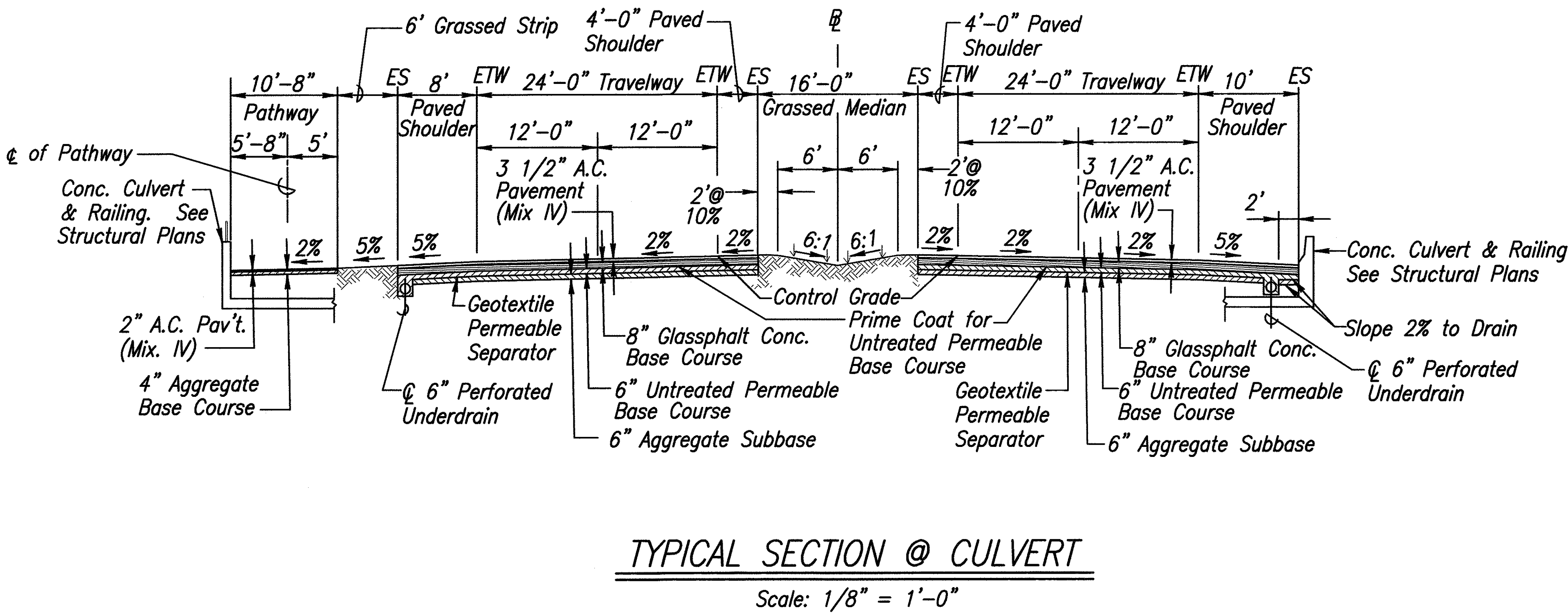
**MOKULELE HIGHWAY WIDENING**

Vicinity of Kealahou Bridge  
To  
Vicinity of Kealahou Pond Driveway  
Federal - Aid Project No. NH-A311(7)

Scale: AS NOTED Date: August 2003

SHEET No. 2 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	FEDERAL - AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(7)	2004	8	138



DATE	7/11/02
SURVEY PLOTTED BY	
DESIGNED BY	
CHECKED BY	
NOTE BOOK	
QUANTITIES BY	
NO.	

Note: See Grading Plans and Cross Sections for Location of Swales.

DANIEL S. MIYASATO  
LICENSED PROFESSIONAL ENGINEER  
No. 3443-C  
HAWAII, U.S.A.

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TYPICAL SECTIONS**

**MOKULELE HIGHWAY WIDENING**

Vicinity of Kolaloa Bridge

To

Vicinity of Kealia Pond Driveway

Federal - Aid Project No. NH-A311(7)

Scale: AS NOTED Date: August 2003

EXPIRATION DATE OF THE LICENSE 04/30/04

SHEET No. 3 OF 3 SHEETS