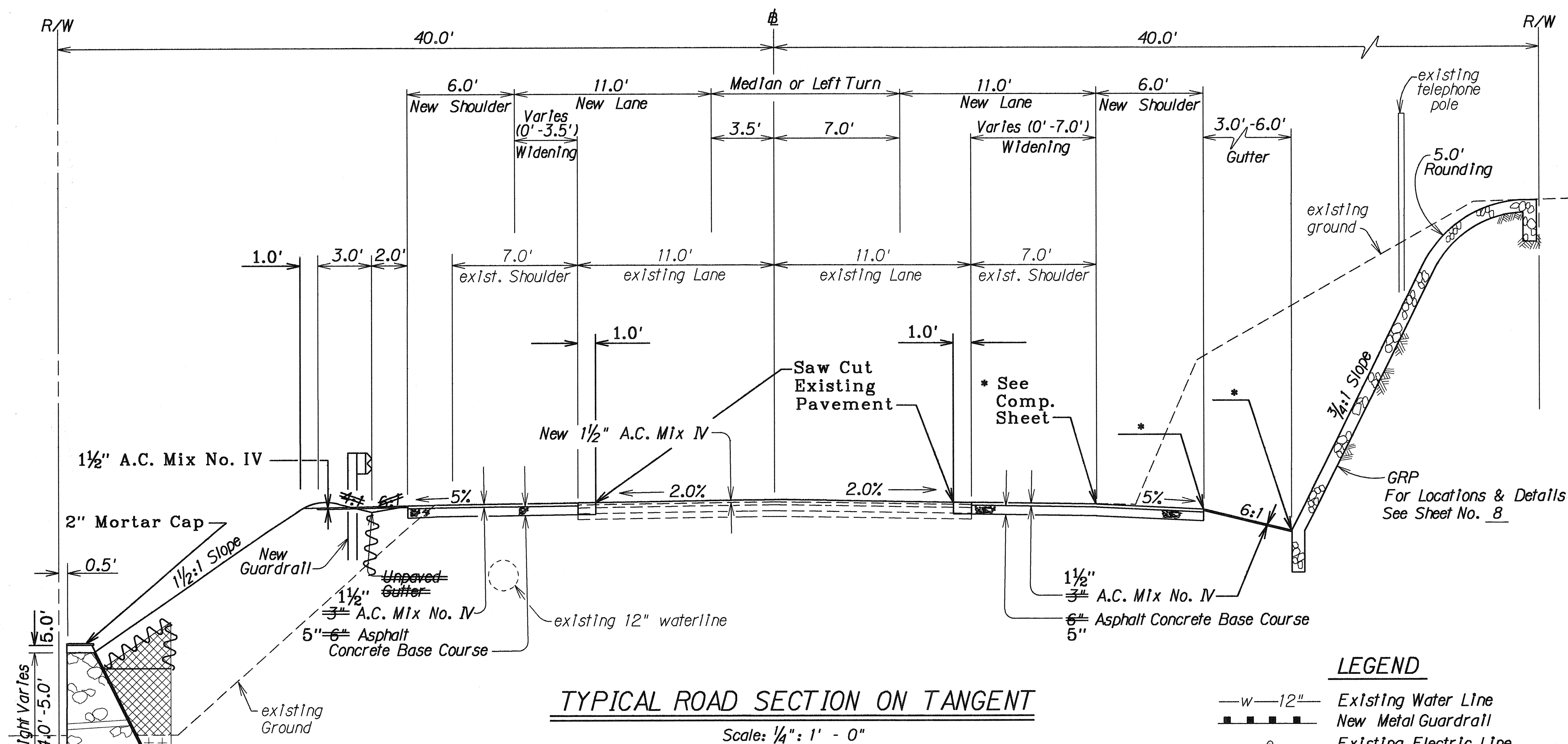
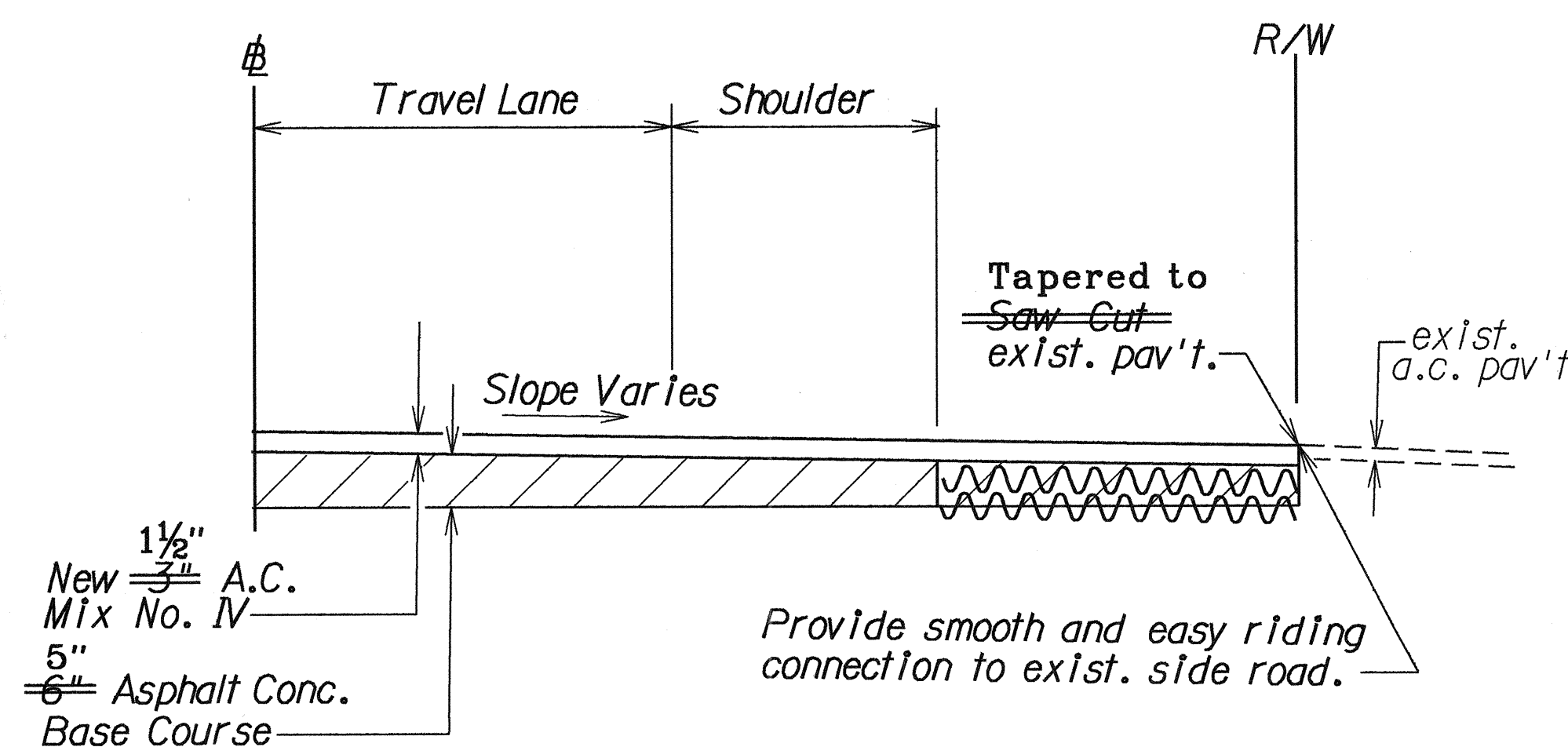


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	190B-02-91	1992	3	13



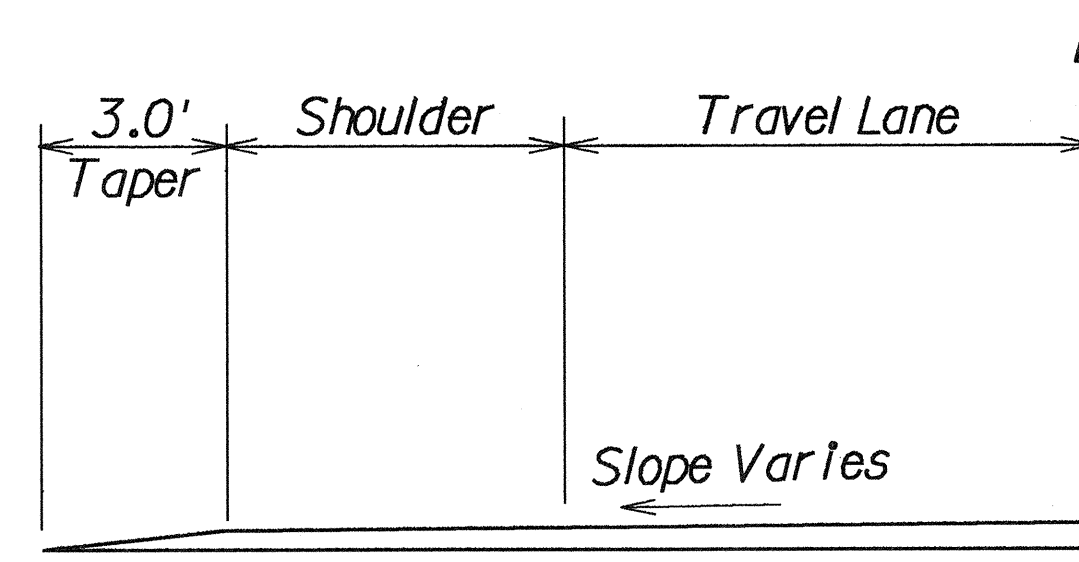
LEGEND

- | | |
|--|------------------------------|
| | Existing Water Line |
| | New Metal Guardrail |
| | Existing Electric Line |
| | Existing Fire Hydrant |
| | Existing Mailbox |
| | Existing Water Meter |
| | Existing Electric Pole |
| | Existing Joint Pole |
| | Existing Traffic Sign |
| | Existing Telephone Pole |
| | Existing Gate Valve |
| | Existing Water Manhole |
| | Existing Water Valve |
| | Existing Utility Pullbox |
| | Existing Concrete Guide Post |



TYPICAL SIDEROAD CONNECTION

Not to Scale




TYPICAL DRIVEWAY CONNECTION

Not to Scale

GENERAL NOTES:

1. This project consists of pavement widening, constructing guardrails, earth swale, gutter, grouted rubble paving on cut slope, and CRM walls; relocating/adjusting utilities; and installing pavement markers and striping.
2. The existing roadway of the Project No. 190B-02-91 shall be resurfaced with an overlay of 1 1/2" Asphalt Concrete Mix No. IV and the surface course of the widened section be placed in ~~2 lifts of 1 1/2" and 1 1/2"~~ ^{1 lift} of Asphalt Concrete Mix No. IV.
3. The existence and location of utilities including conduits and structures as shown on the plans are from the latest available data but is not guaranteed as to the accuracy or completeness. The Contractor shall be responsible for and pay for all damages to existing utilities resulting from his operations.
4. The Contractor's attention is directed to Subsection 107.13 - Public Convenience and Safety Section 645 - Traffic Control of the Special Provisions and Subsection 107.21 - Contractor's Responsibility for Utility Property and Services of the Standard Specifications and Subsection 108.01 - Subletting of Contract of the Standard Specifications.
5. The Contractor shall take all measures necessary to insure that safe and easily accessible passage is provided at all times for pedestrians who must travel in or near the construction zone. Payment shall be considered incidental to various contract items.
6. Embankment construction will not be paid for separately, but shall be included in the cost of imported borrow.
7. Weep holes shall not be measured for payment but will be considered incidental to pay item 508-0100.
8. Structure backfill shall consist of impervious material and filter material.
9. Geotextile at 4" diameter drain holes shall conform to Section 716.03 - Geotextiles for underdrains of the Special Provisions and be incidental to structural backfill.
10. 4" diameter ^{pvc} ~~the~~ drain will not be paid for separately but will be considered incidental to the grouted rubble paving.
11. Relocation of mailbox will not be paid for separately but will be considered incidental to the guardrail.
12. Removal of wooden guardrail will not be paid for separately but will be considered incidental to the metal guardrail.

LEGEND FOR
AS-BUILT POSTINGS

- | | |
|---|-------------------------------------|
|  | Squiggly line for as-built deletion |
| 100.00 | Double line for as-built deletion |
| Roadway | Text for as-built posting |

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
TYPICAL SECTION & GENERAL NOTES

MAMALAHOA HIGHWAY INTERSECTION
Improvements at Matsuyama Store
and Kona Palisades Subdivision
Project No. 190B-02-91

Scale: As Shown Date: March, 1991

SHEET No. 1 OF 1 SHEETS