

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII | HAW. | STP-0270(13) | 1997 | 5 | 8 |

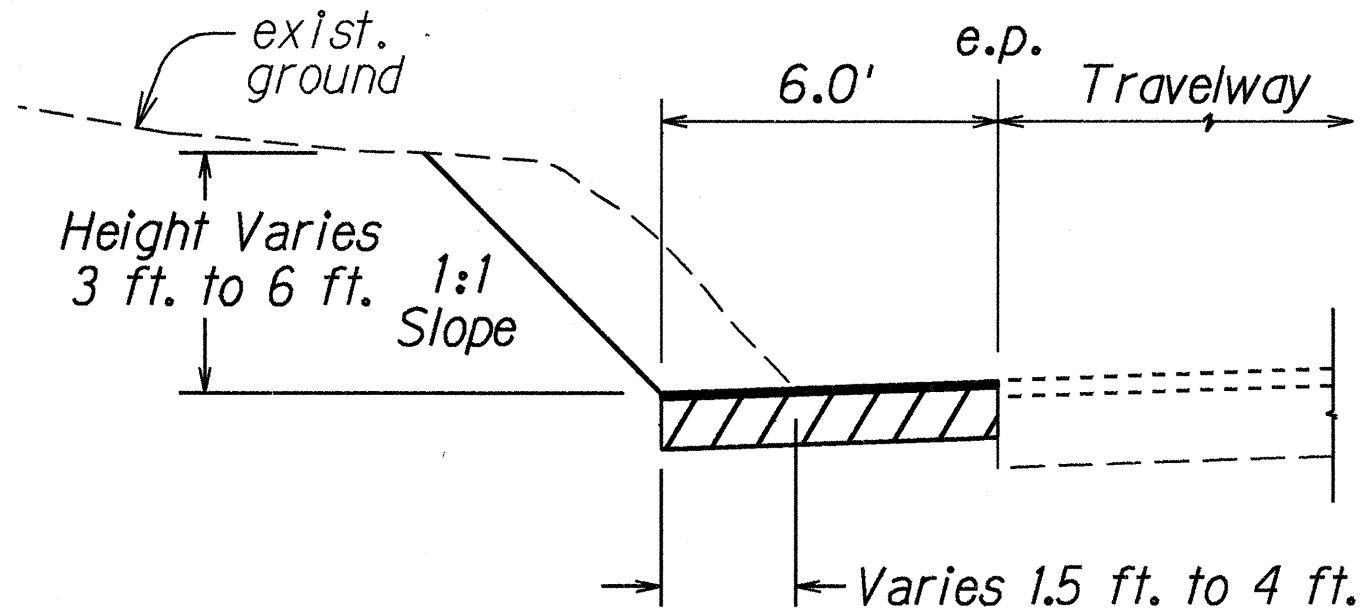
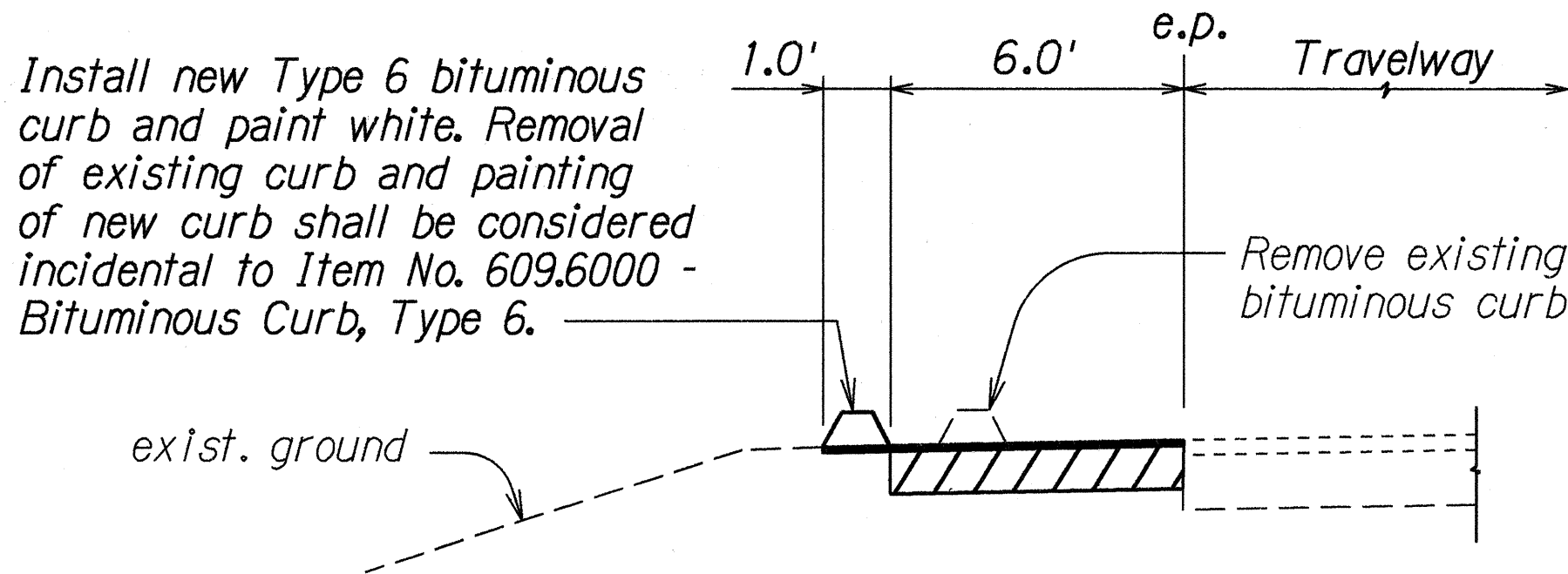
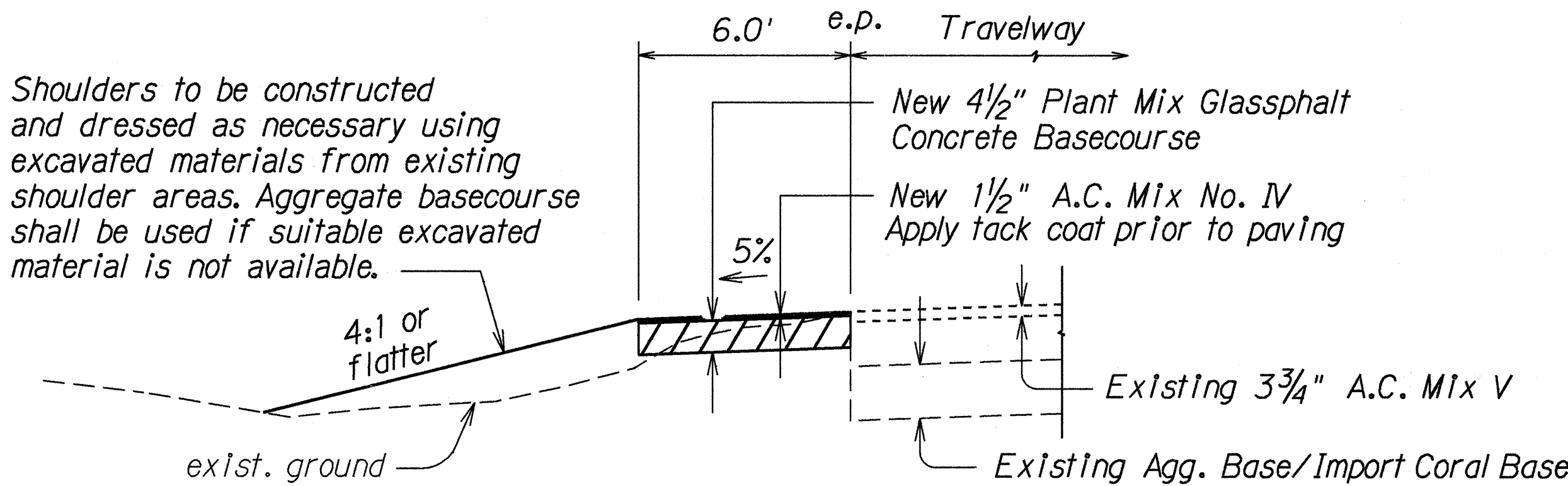
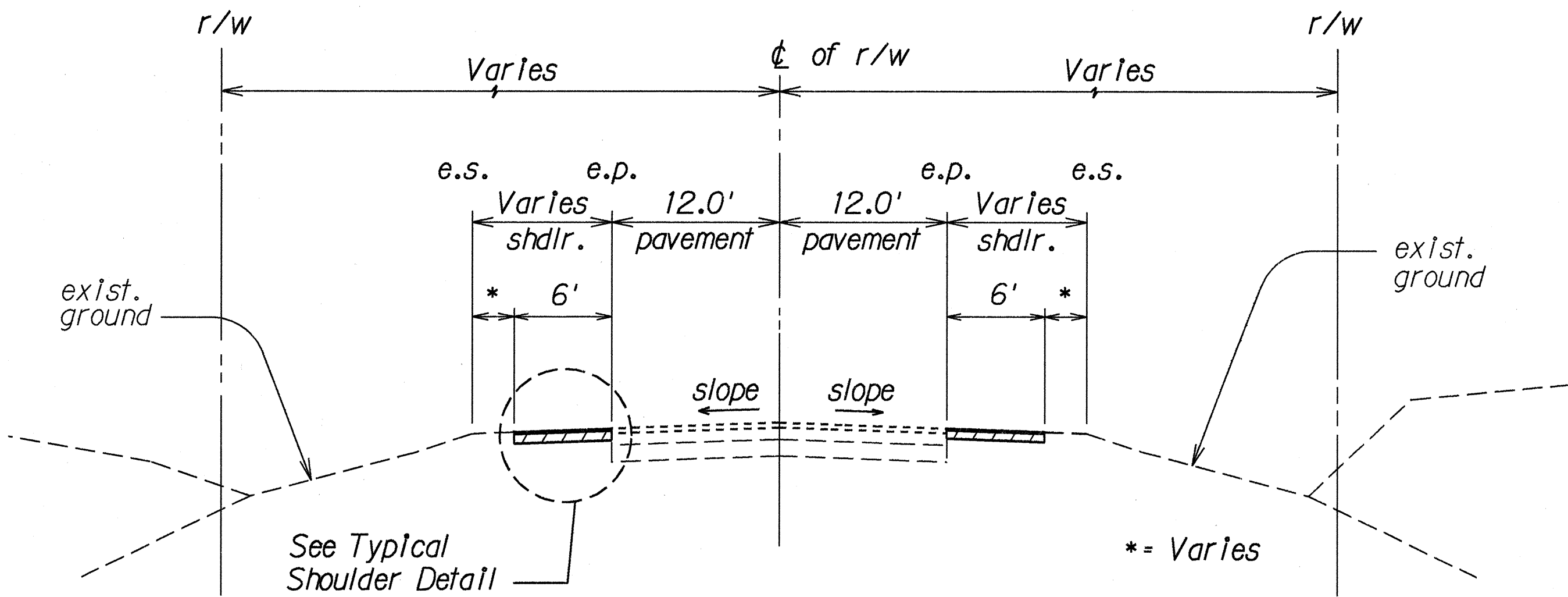
NOTE:

- Excavation for the 6 ft. paved shoulder shall be neat line. Any damages to the existing pavement and/or stabilized shoulder shall be repaired by the Contractor at no cost to the State .
- The tack coat will not be measured and paid for separately but shall be considered incidental to Item No. 401.0400 - A.C. Pavement, Mix No. IV .
- Excavation, grading, and compaction of shoulder areas for paved shoulders shall be paid for under Item No. 203.0200-Lane and Shoulder Excavation.

UTILITY SCHEDULE

| PROJECT | STATION | OFFSET FROM CENTERLINE | TYPE | REMARKS |
|---------------|---------|------------------------|------|------------|
| A-270-01-72 | 25+08 | 18.8 | WV | 1.0' dia. |
| | 25+23 | 18.5 | WV | 1.0' dia. |
| | 50+14 | 18.7 | WV | |
| | 50+18 | 19.0 | WMH | |
| | 50+21.5 | 19.0 | WMH | |
| FASP S-260(1) | 10+20 | 1.3 | WV | |
| | 22+02 | 11.5 | WV | FH @ 25.0' |
| | 38+70 | 11.5 | WV | 1.0' dia. |
| FAP 11-B | 62+26 | 12.8 | WV | FH @ 27.2' |
| | 76+25 | 12.1 | WV | FH @ 25.0' |

Legend : WV - Water Valves 8 Total
WMH - Water Manhole..... 2 Total



Note:
Excavation limits are approximate only. The exact limits of excavation shall be established in the field.

TYPICAL BANK EXCAVATION DETAIL (MP 1.91 to 3.42)
Not To Scale

| Location | Estimated Volume (C.Y.) |
|-------------------------|-------------------------|
| Sta. 56+06 to 57+20 Lt. | 40 c.y. |
| Sta. 56+60 to 61+05 Rt. | 400 c.y. |
| Sta. 65+90 to 66+95 Lt. | 35 c.y. |
| Sta. 66+00 to 66+65 Lt. | 30 c.y. |
| Sta. 69+80 to 71+80 Lt. | 80 c.y. |
| Sta. 76+30 to 77+70 Lt. | 35 c.y. |
| Total | 620 c.y. |

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

TYPICAL SECTIONS, DETAILS

AND UTILITY SCHEDULE

AKONI PULE HIGHWAY

SHOULDER IMPROVEMENTS

MAHUKONA TOWARDS KAWAIHAE

F.A. PROJECT NO. STP-0270(13)

Scale: As Shown

Date: April, 1997

SHEET No. 1 OF 1

SHEETS

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