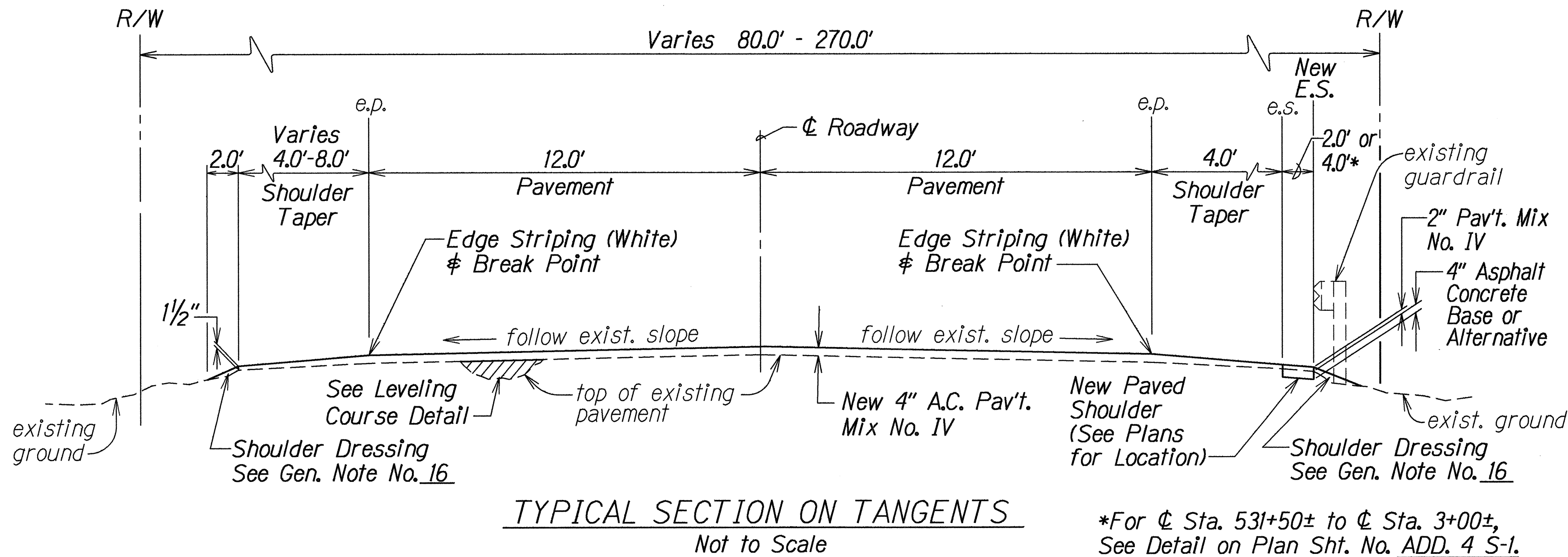
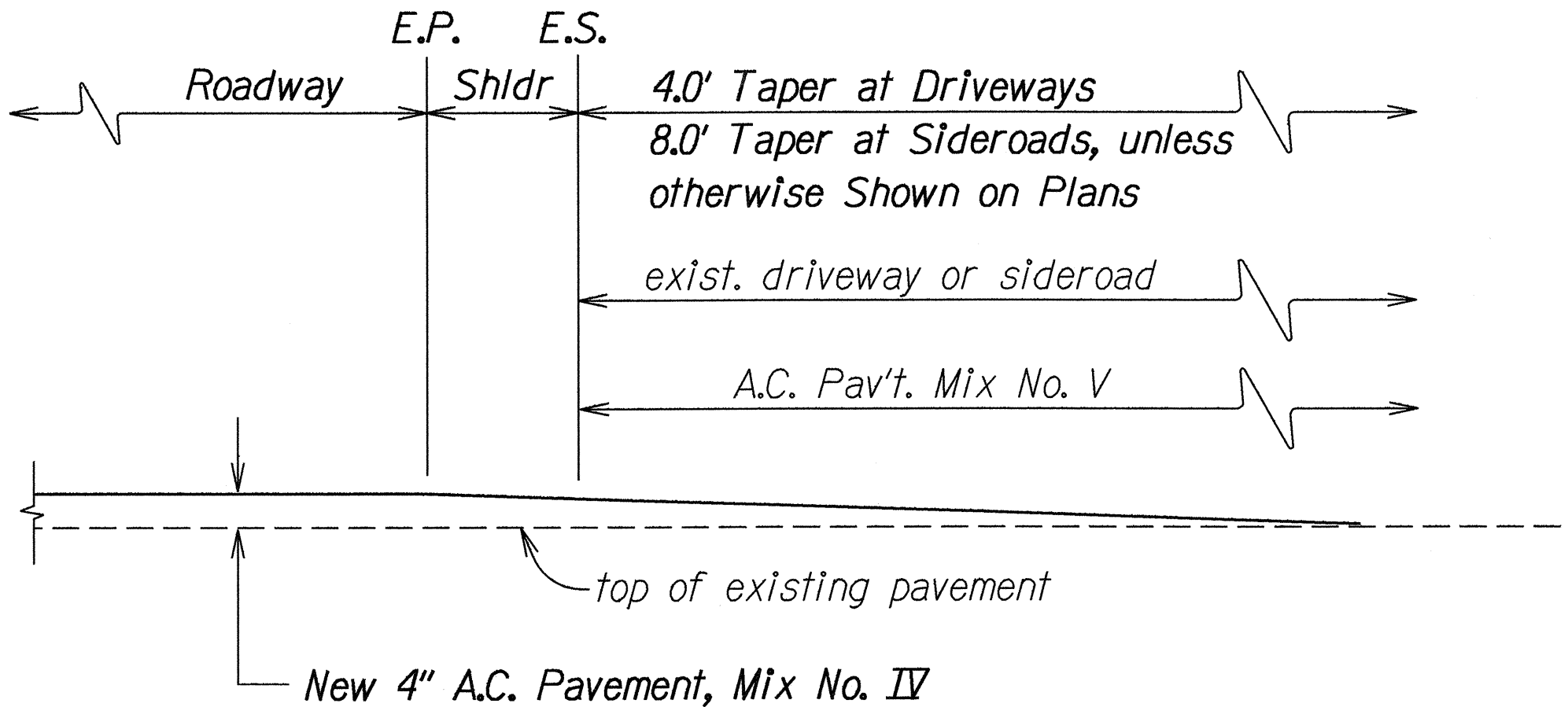
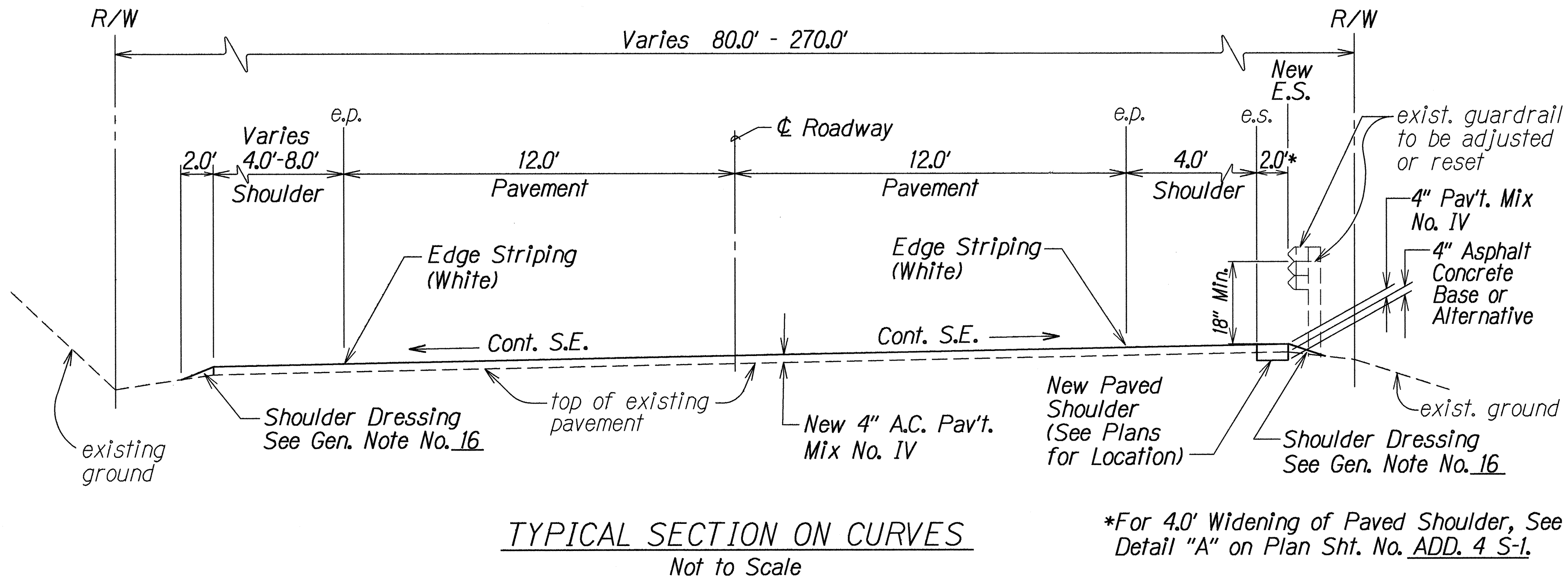


| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-030-1(21)      | 1993        | 4         | 30           |



| EXISTING CENTERLINE MONUMENTS TO BE ADJUSTED |             |
|----------------------------------------------|-------------|
| NO.                                          | STATIONS    |
| 1                                            | 236+05.93 = |
| 2                                            | 662+94.36   |
| 3                                            | 651+34.36   |
| 4                                            | 630+74.36   |
| 5                                            | 622+38.34   |
| 6                                            | 612+18.03   |
| 7                                            | 603+08.00 ± |
| 8                                            | 586+31.57   |
| 9                                            | 558+75.50   |
| 10                                           | 556+51.14   |
| 11                                           | 549+89.14   |
| 12                                           | 533+73.50 ± |
| 13                                           | 529+29.98   |
| 14                                           | 526+50.00 ± |
| 15                                           | 3+30.00 ±   |
| 16                                           | 9+50.00 ±   |
| 17                                           | 16+25.00 ±  |
| 18                                           | 18+70.00 ±  |
| 19                                           | 26+03.00 ±  |

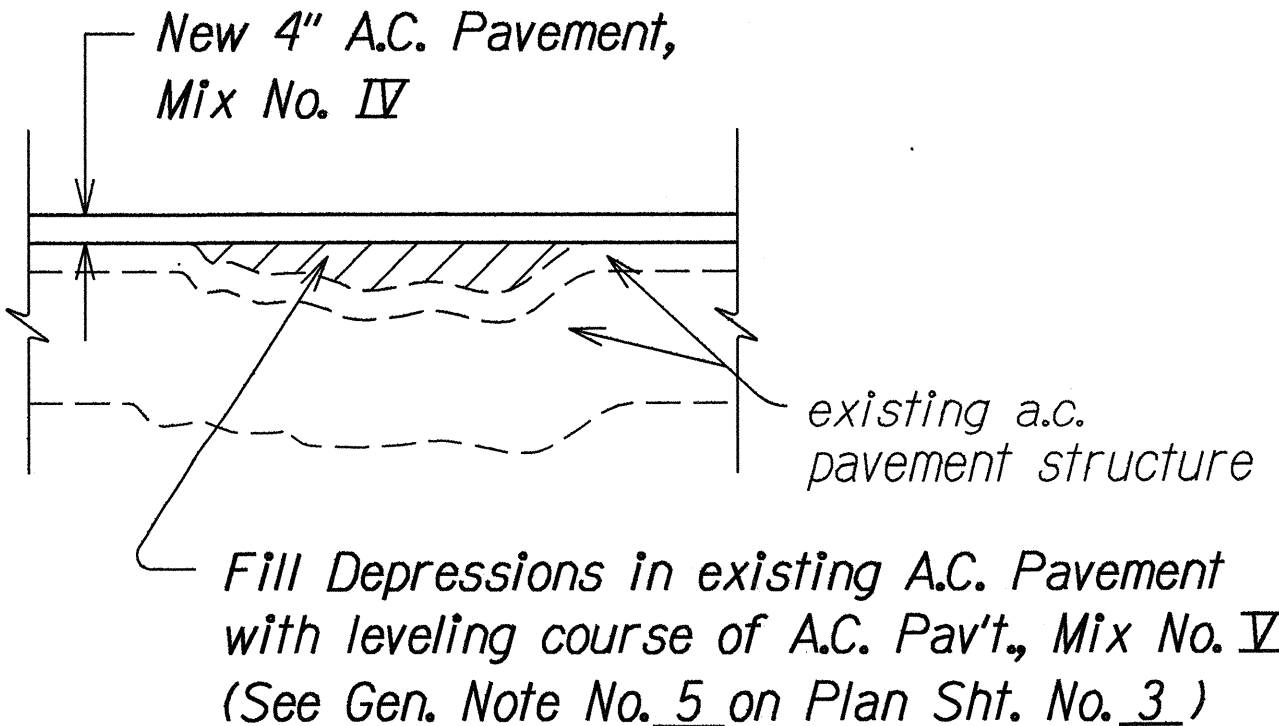
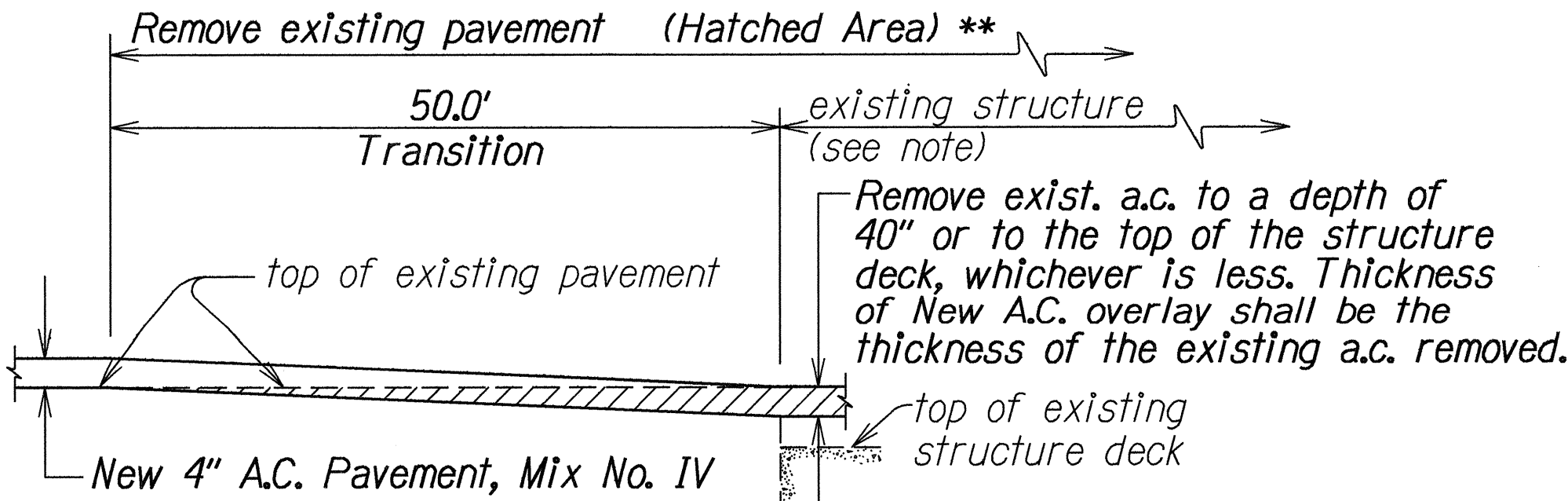
| SUPERELEVATION RATE TABLE |                               |
|---------------------------|-------------------------------|
| CURVE                     | SUPERELEVATION RATE (ft./ft.) |
| 1                         | 0.020                         |
| 2                         | 0.020                         |
| 3                         | 0.015                         |
| 4                         | 0.037                         |
| 5                         | 0.026                         |
| 6                         | 0.023                         |
| 7                         | 0.040                         |
| 8                         | 0.031                         |
| 9                         | 0.041                         |
| 10                        | 0.048                         |
| 11                        | 0.041                         |
| 12                        | 0.038                         |
| 13                        | 0.038                         |
| 14                        | 0.038                         |



**Note:**

In removing the pavement over the structure, the Contractor shall exercise care not to damage any portion of the structure, especially the slab, joints, drainage pipes or reinforcement. Any damage to the structure during the removal operations shall be directed by the Engineer. The Contractor shall verify the thickness of the pavement by taking several measurements throughout the structure.

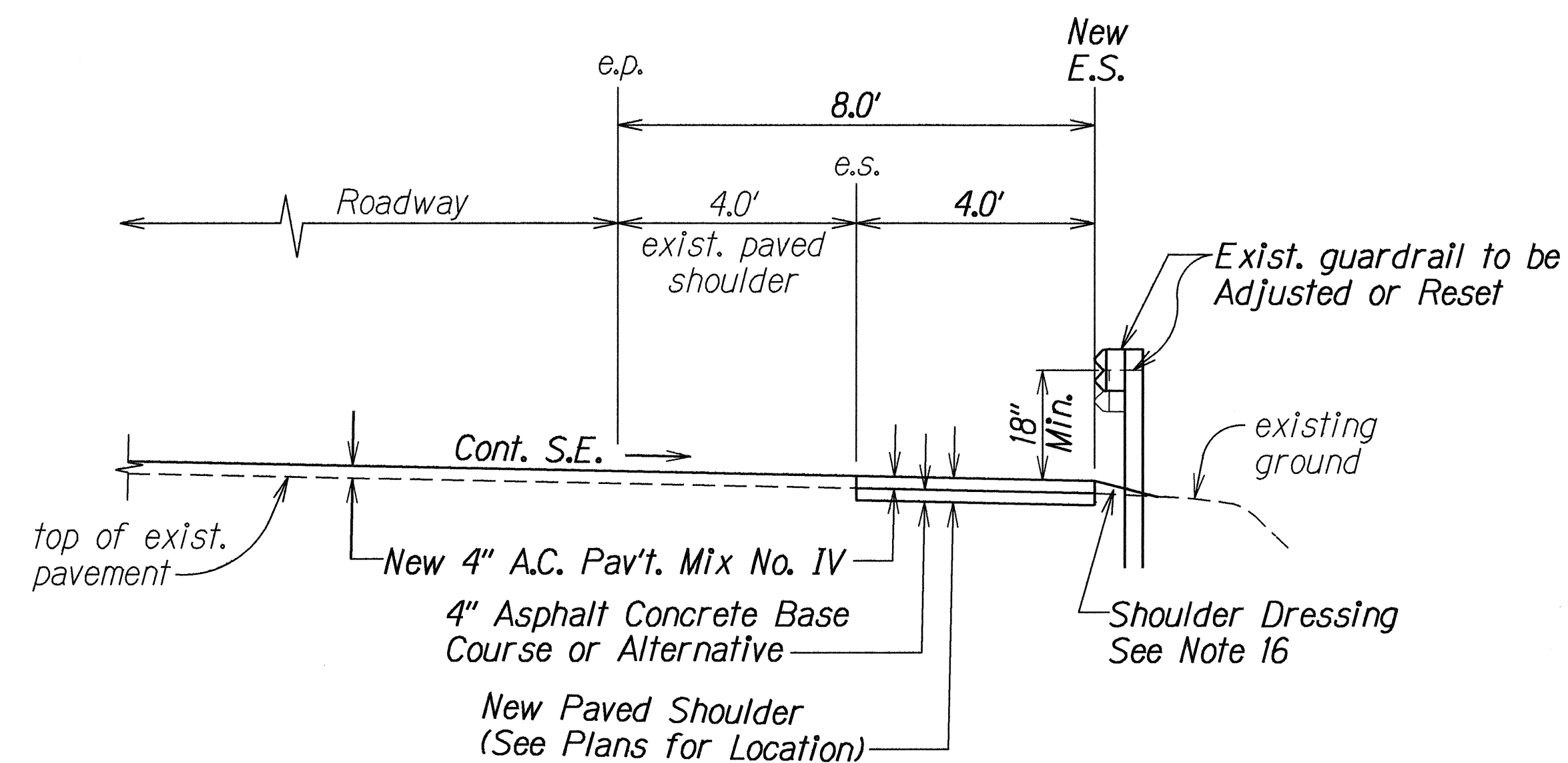
\*\* Removal of existing pavement shall be considered incidental to A.C. Pavement Mix No. IV and will not be paid for separately.



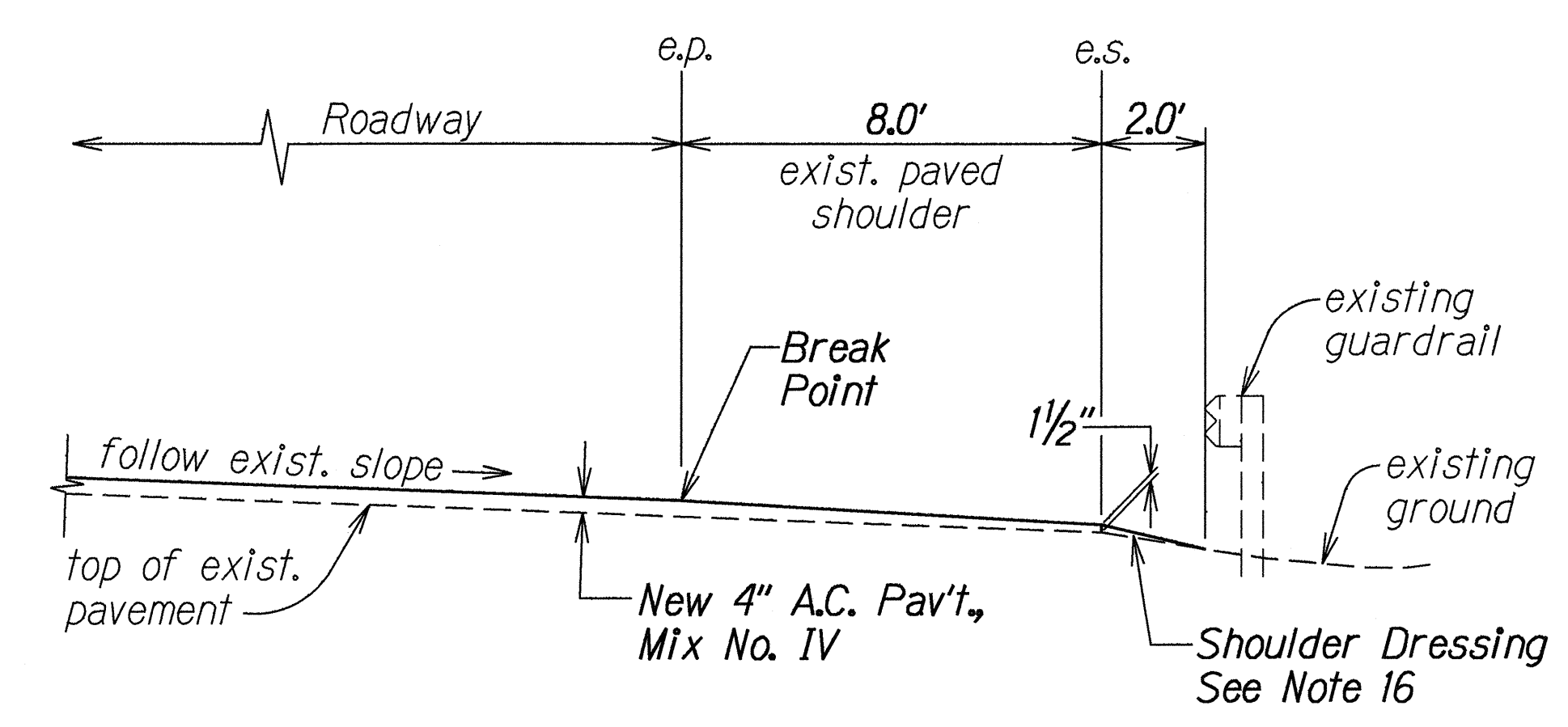
| 6/10/93                                                                                                                                                                                                                                                                                 | Revised Typical Sections #<br>Note on Longitudinal Section |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| DATE                                                                                                                                                                                                                                                                                    | REVISION                                                   |
| STATE OF HAWAII<br>DEPARTMENT OF TRANSPORTATION<br>HIGHWAYS DIVISION<br><b>TYPICAL SECTION, DETAILS AND TABLES</b><br><b>HONOAPIILANI HIGHWAY RESURFACING</b><br>Puamana to Olowalu<br>Fed. Aid Project No. STP-030-1(21)<br>Scale: As Shown Date: May, 1993<br>SHEET No. 1 OF 1 SHEETS |                                                            |

|               |      |
|---------------|------|
| ORIGINAL PLAN | DATE |
| DESIGNED BY   |      |
| CHECKED BY    |      |
| IN CHARGE     |      |
| NO. 419215    |      |

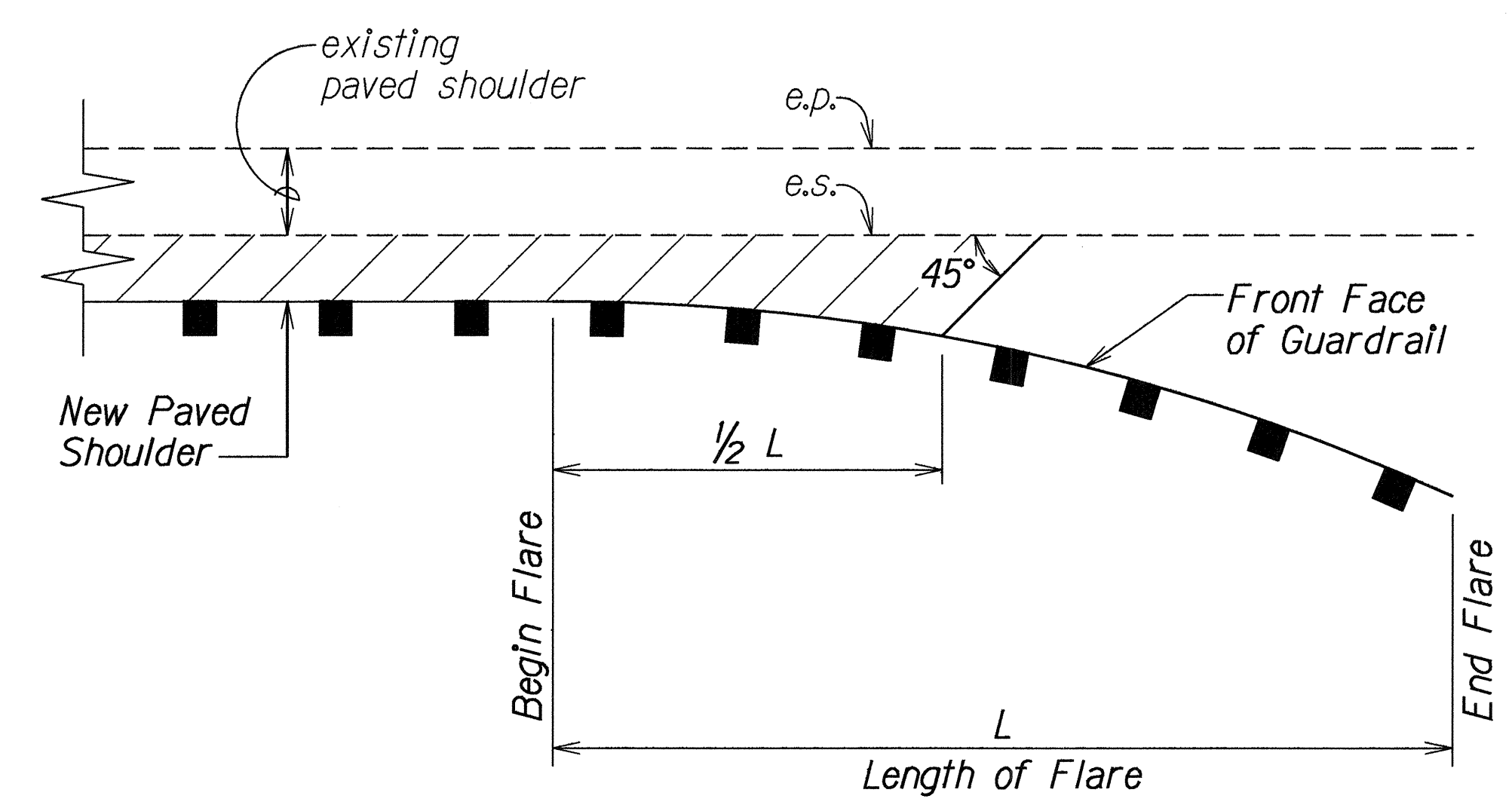
| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO.  | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|------------|--------------|
| HAWAII              | HAW.  | STP-030-1(21)      | 1993        | ADD. 4 S-1 | 30           |



**DETAIL "A"**  
Not To Scale



**TYPICAL HALF SECTION**  
± STA. 531+50± TO ± STA. 3+00±  
Not To Scale



**TYPICAL DETAIL OF PAVED SHOULDER AT GUARDRAIL FLARE**  
Not To Scale

|                   |      |         |
|-------------------|------|---------|
| SURVEY PLOTTED BY | DATE | 6/15/93 |
| DRAWN BY          |      |         |
| DESIGNED BY       |      |         |
| QUANTITIES BY     |      |         |
| CHECKED BY        |      |         |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TYPICAL SECTIONS & DETAILS**  
  
HONOAPIILANI HIGHWAY RESURFACING  
Puamana to Olowalu  
Fed. Aid Project No. STP-030-1(21)

Scale: As Shown  
Date: May, 1993

SHEET No. 1A OF 1 SHEETS