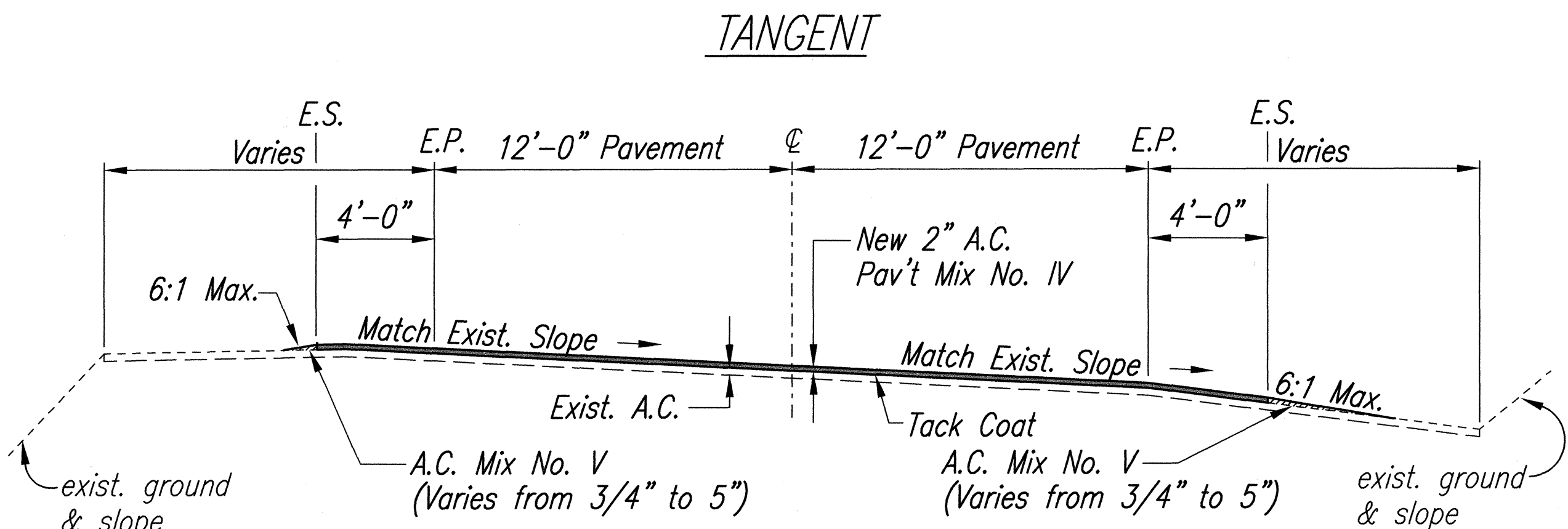
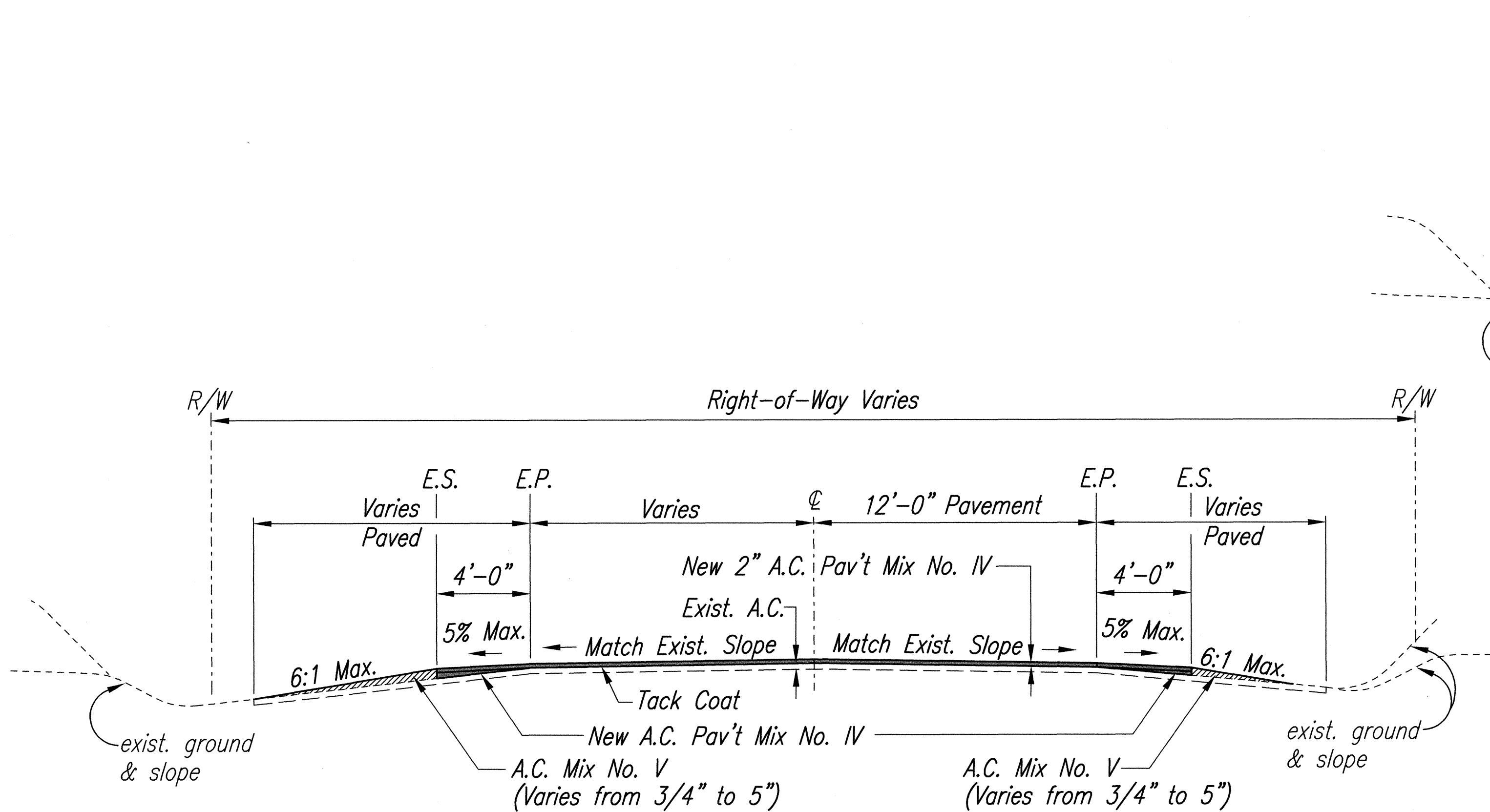
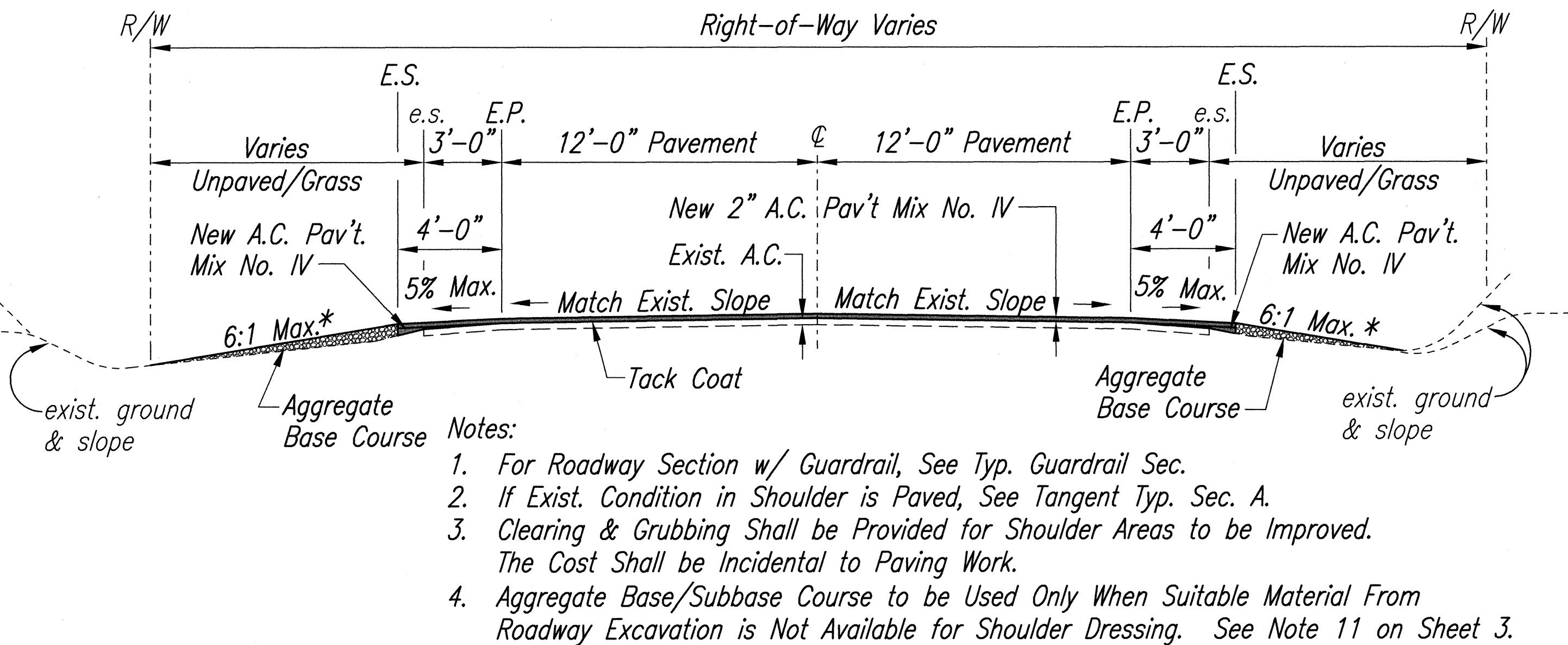


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	19H-01-99M	1999	5	32



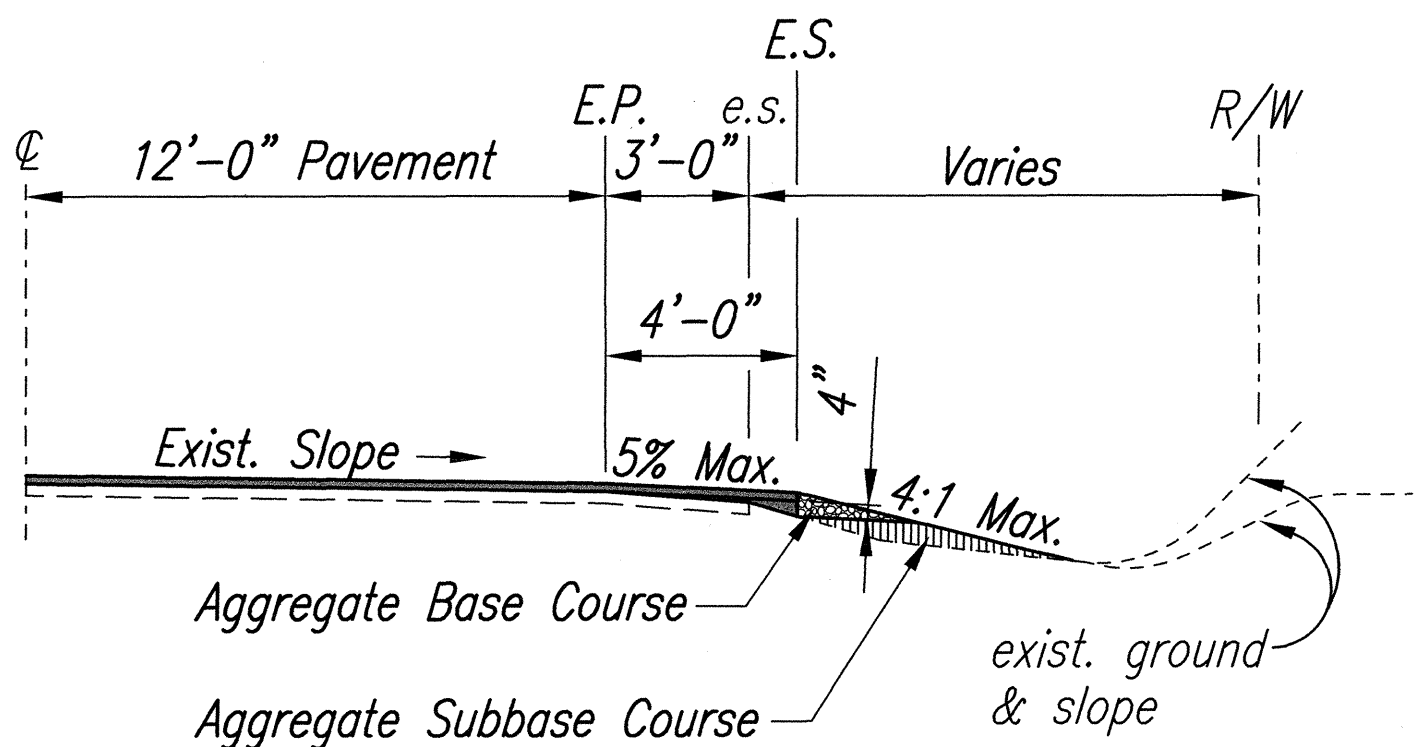
- Notes:
- For Roadway Section w/ Guardrail, See Typ. Guardrail Sec.
  - If Exist. Condition in Shoulder is Non-paved, See Tangent Typ. Sec. B.
  - Clearing & Grubbing Shall be Provided for Shoulder Areas to be Improved. The Cost Shall be Incidental to Paving Work.
  - Aggregate Base/Subbase Course to be Used Only When Suitable Material From Roadway Excavation is Not Available for Shoulder Dressing. See Note 11 on Sheet 3.

**TYPICAL SECTION - A (PAVED)**  
 SCALE: 1/4"=1'-0"  
 From Sta. 30+00± to Sta. 82+80±



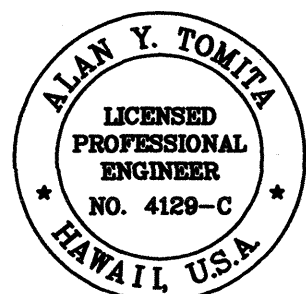
- \* Where Exist. Slopes in Areas Beyond Paved Shoulder are Greater than 6:1, a Maximum Slope of 4:1 Shall be Used, as Shown in Detail A, with the Approval of the Engineer.

**TYPICAL SECTION - B (SHOULDER PARTLY PAVED)**  
 SCALE: 1/4"=1'-0"  
 From Sta. 144+27± to Sta. 168+30±  
 Sta. 0+00± to Sta. 30+00±



**DETAIL A**  
 SCALE: 1/4"=1'-0"

6/3/99	Revised Note for Typ. Sec.-A, Added "Note 4" for Typical Section - A & B.
Date	Revision



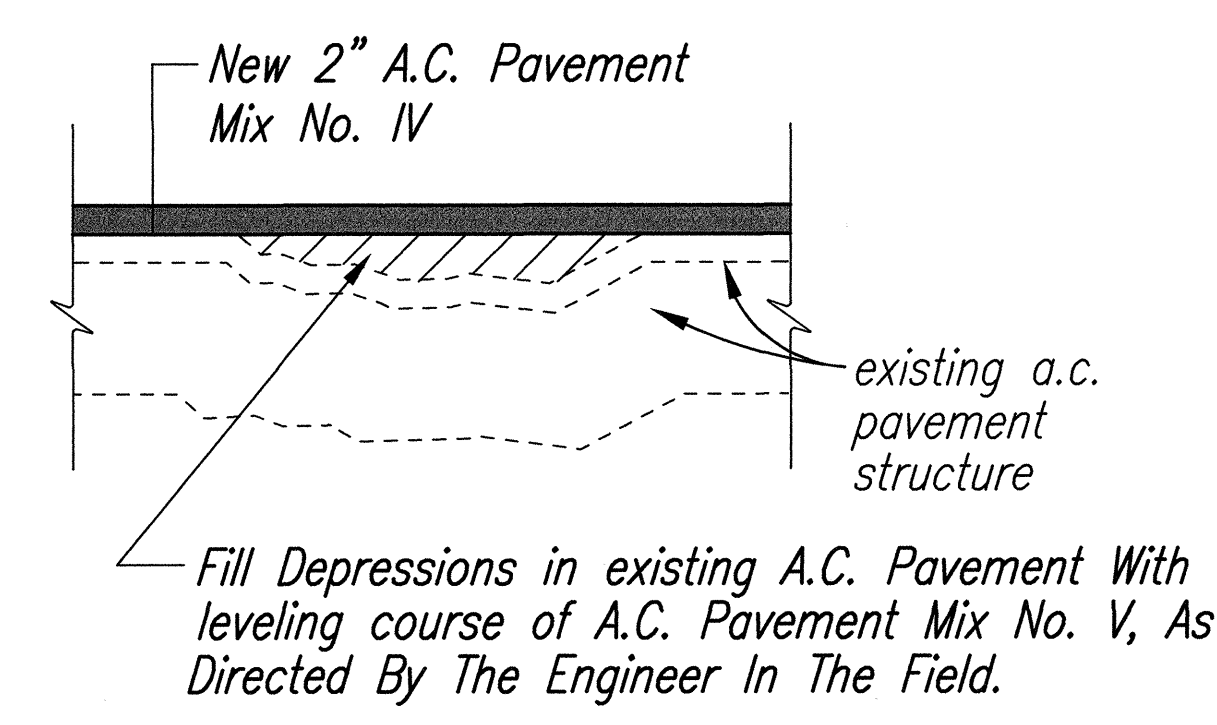
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

*Alan Y. Tomita*

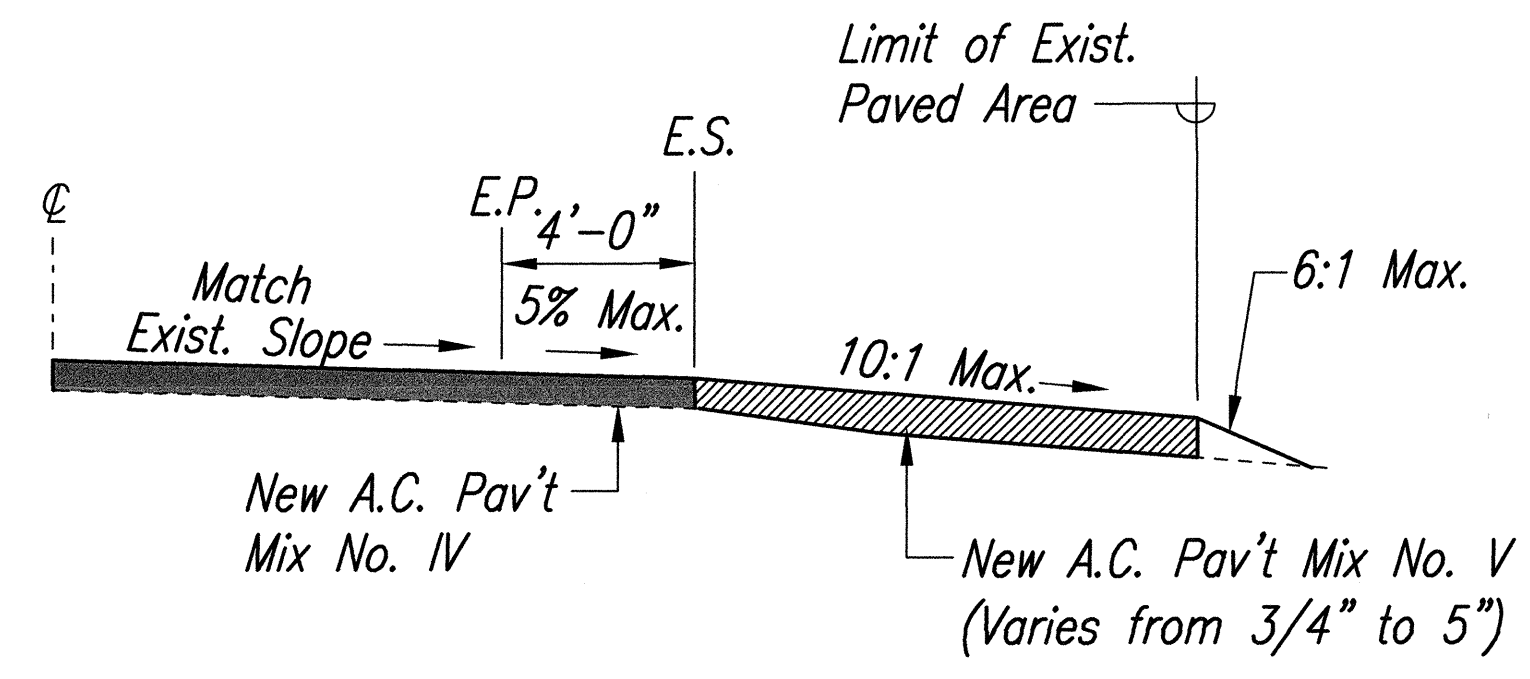
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**TYPICAL SECTIONS & DETAILS**  
HAWAII BELT ROAD RESURFACING  
Vicinity of Waipunaiei to Kilau Gulch  
Project No. 19H-01-99M  
Scale: As Shown  
Date: June, 1999  
SHEET NO. 1 OF 2 SHEETS

ADD. 5

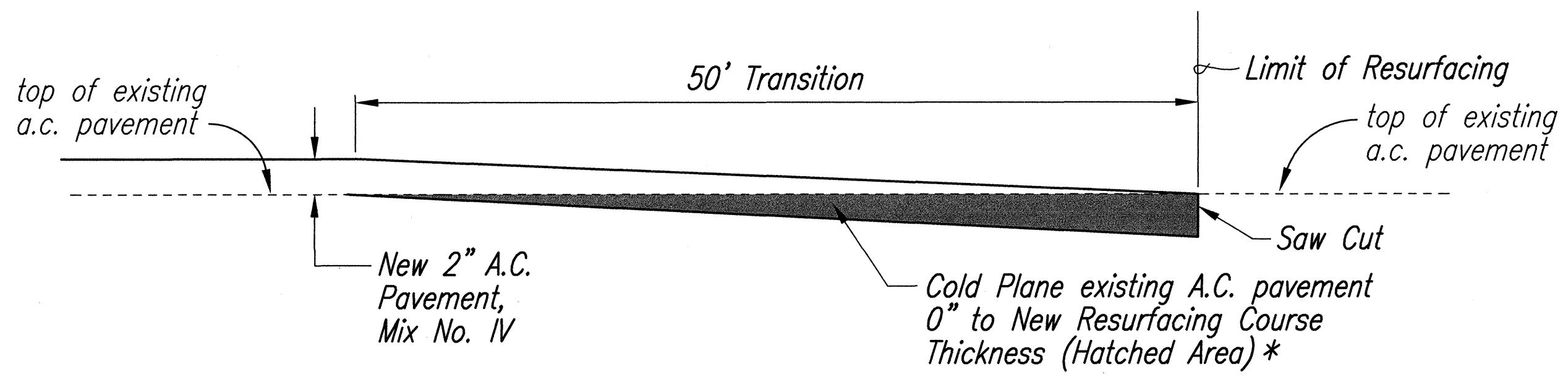
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	19H-01-99M	1999	6	32



**LEVELING COURSE DETAIL**  
Not to Scale

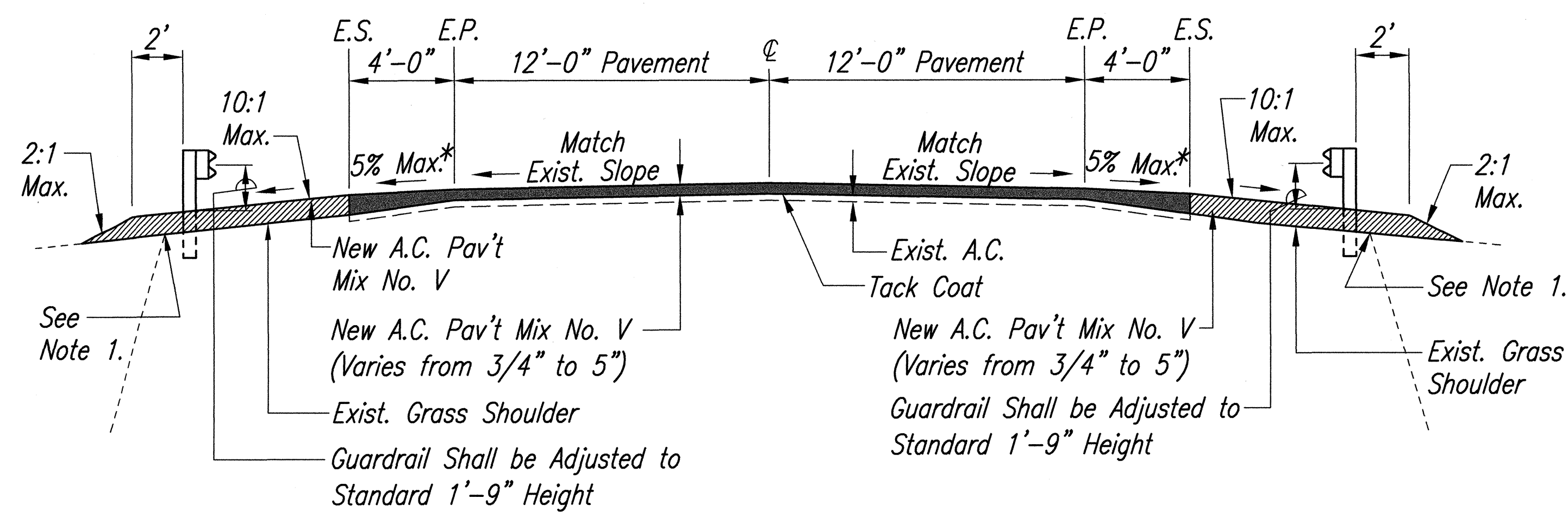


**TYPICAL SECTION -  
EXISTING PAVED SHOULDERS  
WITHOUT GUARDRAILS EXCEEDING 4'-0"**  
Not To Scale



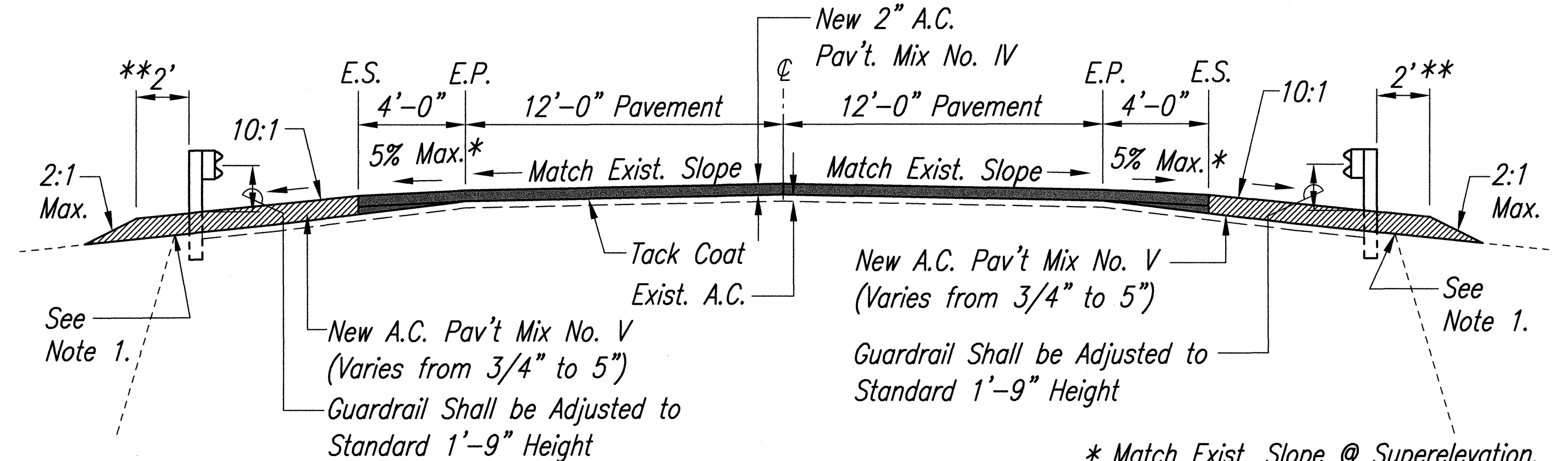
**COLD PLANED TRANSITION TO EXISTING A.C. PAVEMENT @  
BEGIN AND END PROJECT LIMITS**  
Not to Scale

\* Cost shall be incidental to Item 401.0400 Asphalt Concrete Pavement, Mix No. IV .



**NON-PAVED EXISTING CONDITION**

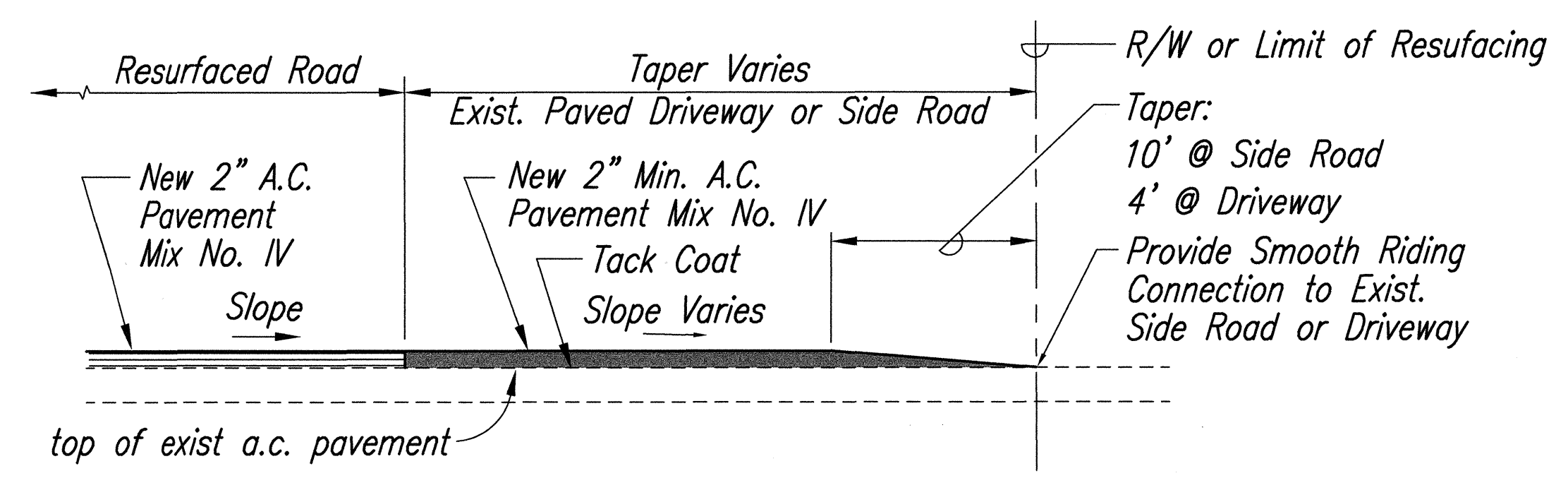
\* Match Exist. Slope @ Superelevation



**PAVED EXISTING CONDITION**

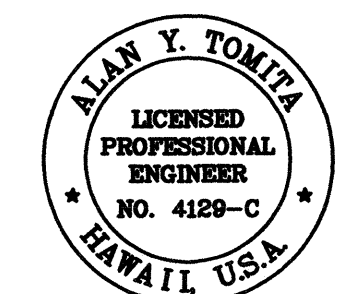
\* Match Exist. Slope @ Superelevation.  
\*\* If Necessary

- Notes:
- Where the Exist. Guardrail Does Not Have the Minimum 2'-0" Flat Clearance Behind the Guardrail, Paving Shall End at the Hinge of Flat Surface.
  - Clearing & Grubbing Shall be Provided for Shoulder Areas to be Improved. The Cost Shall be Incidental to Paving Work.
  - All Excess Useable Cold-Planed Material Shall be Stockpiled Within the Project Limits at No Cost to the State. Stockpile Locations are to be Determined by the Engineer.



**A.C. RESURFACING AT PAVED SIDE ROAD & DRIVEWAY**  
Not to Scale

**TYPICAL SECTION @ GUARDRAILS**  
SCALE: 1/4"=1'-0"



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

*Alan Y. Tomita*

6/3/99	Added Side Road & Driveway Connection Detail, Added Varying Thickness for New A.C. Pavement Mix No. V, Deleted Description for 2'-0" flat Clearance Behind the Guardrail, Revised text "Readjusted" to "Adjusted", Revised Subtitle for Typical Section @ Pullover Area.
Date	Revision

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TYPICAL SECTIONS & DETAILS**

HAWAII BELT ROAD RESURFACING  
Vicinity of Waipunaiei to Kilau Gulch  
Project No. 19H-01-99M

Scale: As Shown      Date: June, 1999

SHEET No. 2 OF 2 SHEETS