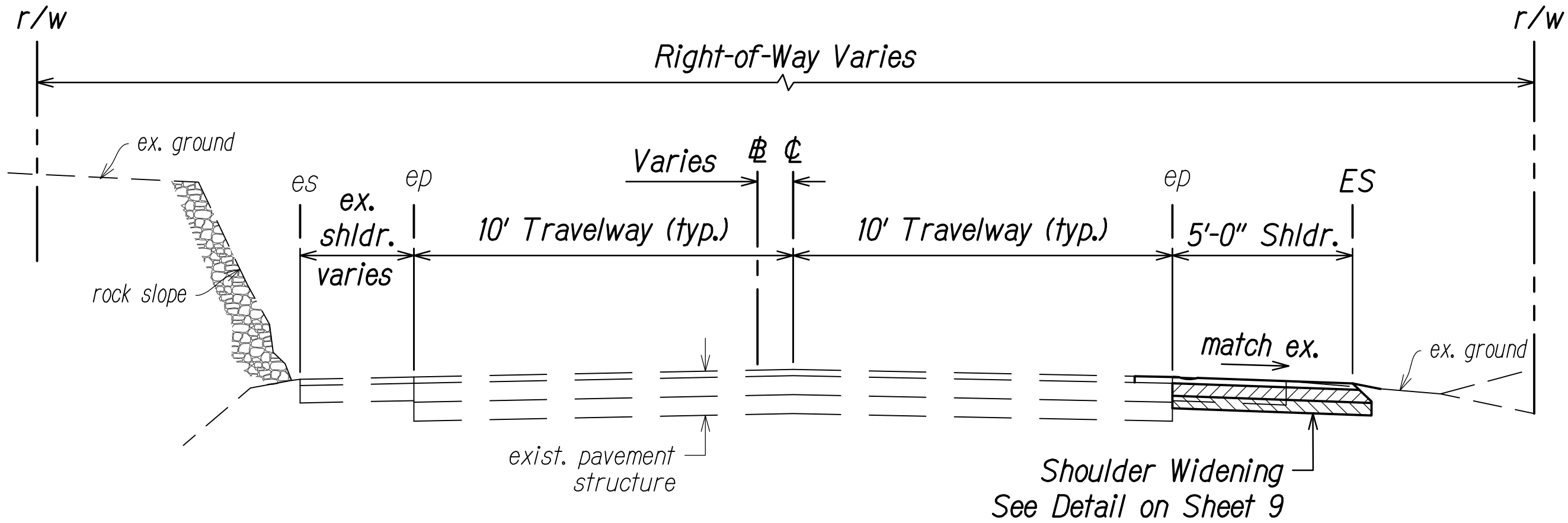
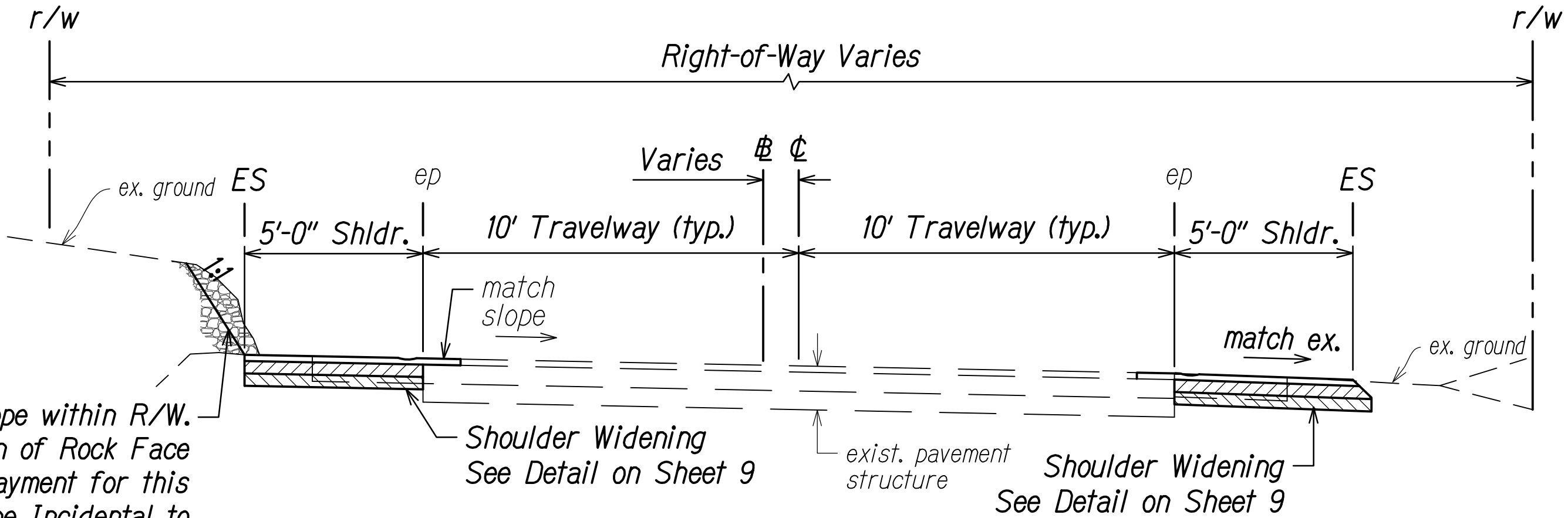


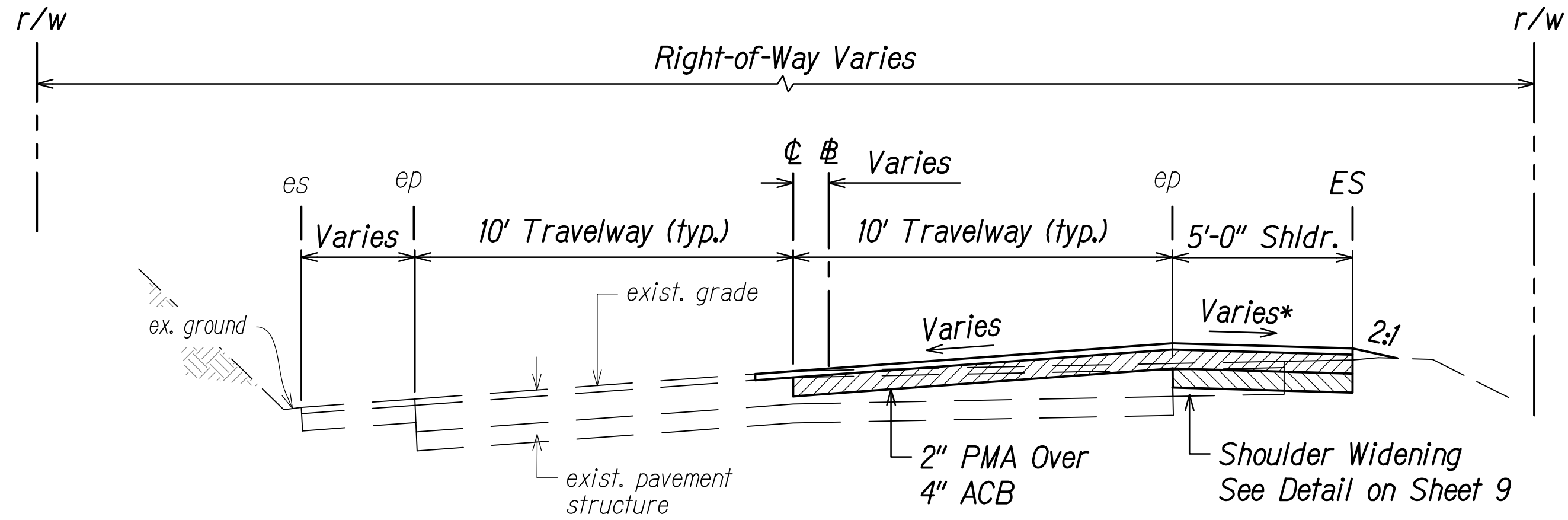
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HS1P-011-1(045)	2023	8	114



TYPICAL SECTION - NORMAL CROWN

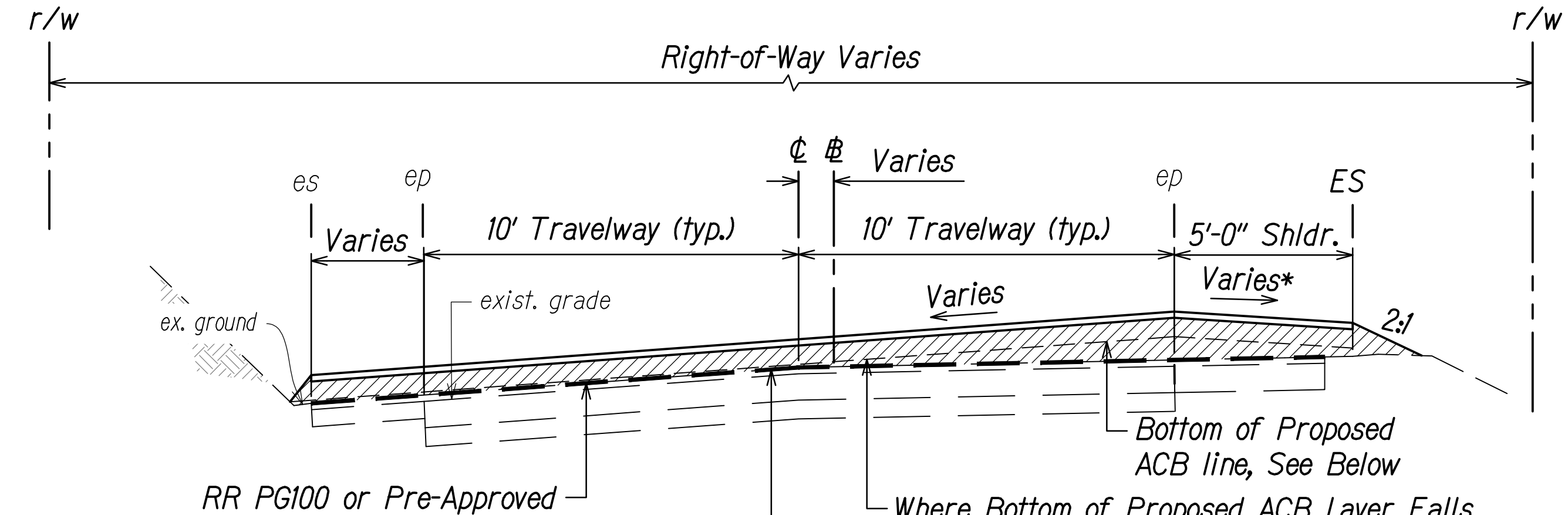


TYPICAL SECTION - SUPERELEVATED



* Algebraic difference between travelway slope and shoulder slope shall not exceed 7%.

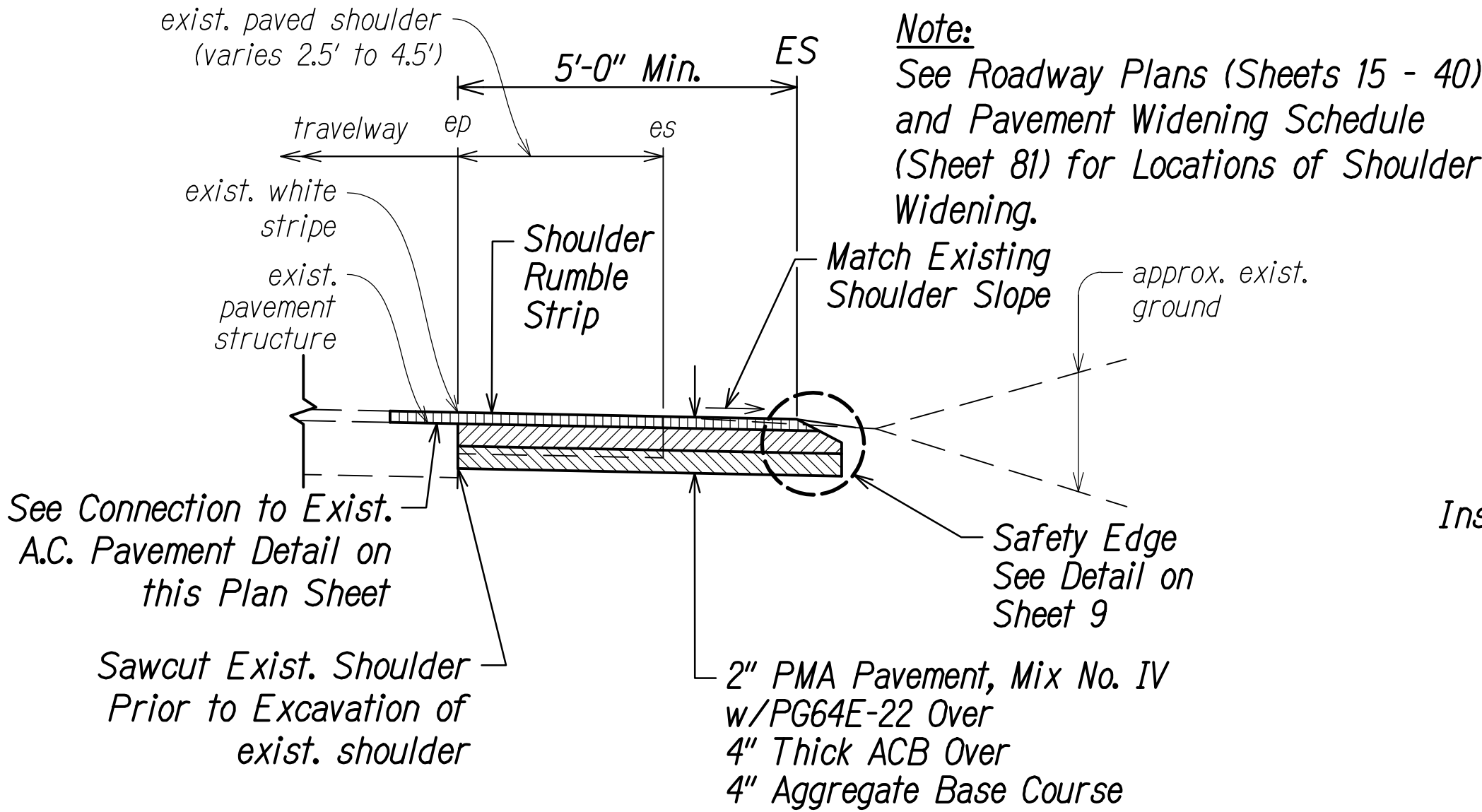
PAVEMENT RECONSTRUCTION (NEAR MP 101)



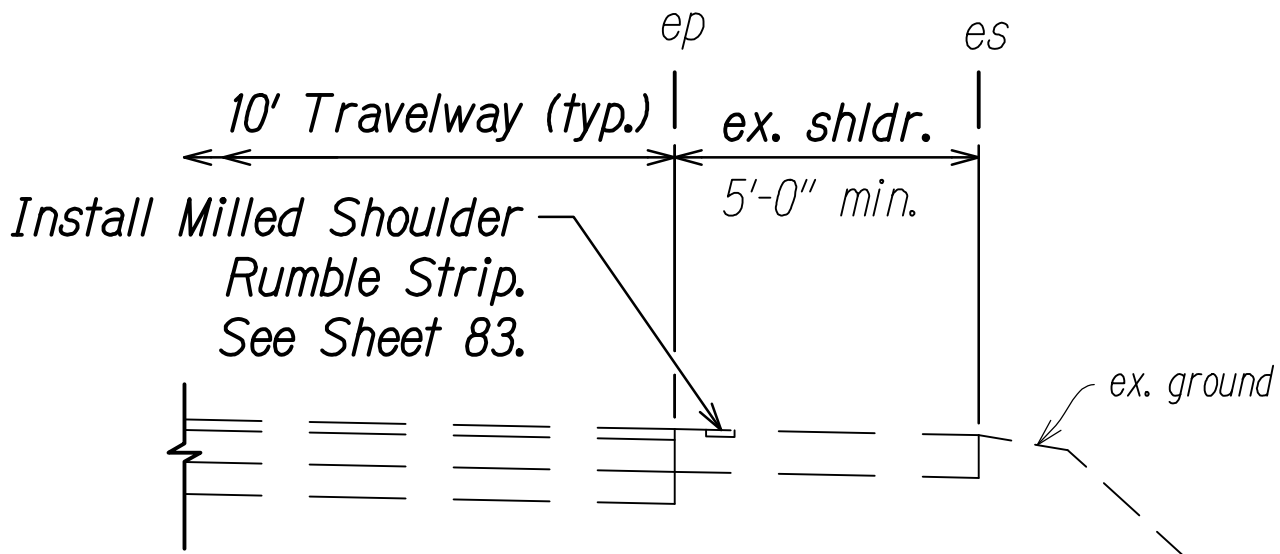
RR PG100 or Pre-Approved Equal over existing pavement. Install Per Manufacturer's Recommendations.

Where Bottom of Proposed ACB Layer Falls Above Existing Asphalt Elevation, Install Polymer Modified ACB Over Specified Geogrid in 5" Max Lifts. Varies 4.5" to 12". See Cross Section Sheet 45

PAVEMENT OVERLAY (NEAR MP 101)

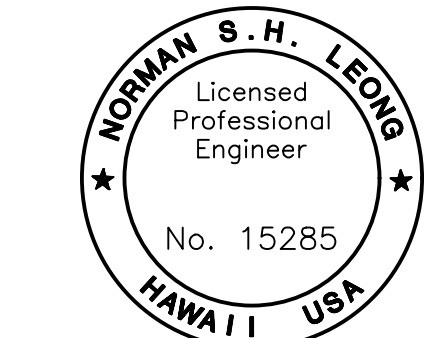


TYPICAL SECTION AT SHOULDER WIDENING DETAIL



MILLED EDGE RUMBLE STRIP OVER EXISTING PAVEMENT

SURVEY PLOTTED BY	DATE
DRAWN BY	" "
DESIGNED BY	" "
QUANTITIES BY	" "
CHECKED BY	" "
ORIGINAL PLAN	No.



This work was prepared by me or under my supervision and construction of this project will be under my observation.

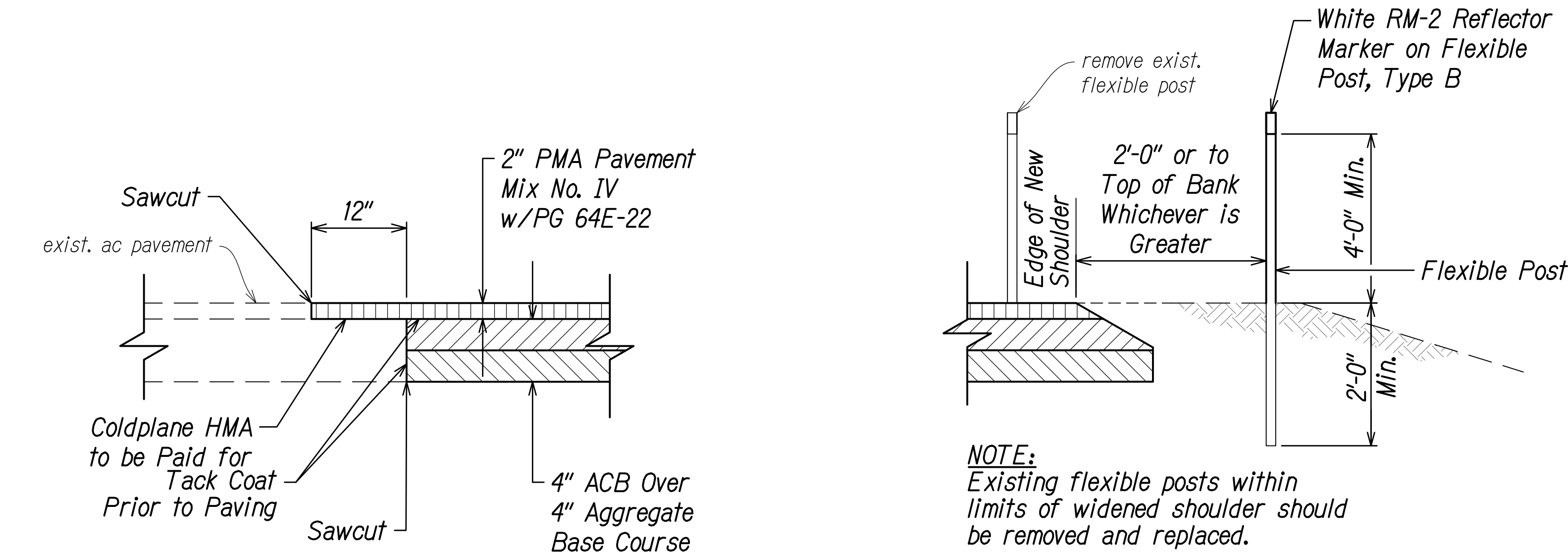
Norman S. H. Leong

Expiration Date of License 4/24

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**TYPICAL SECTIONS
AND DETAILS**
MAMALAHOA HIGHWAY
SAFETY IMPROVEMENTS
Vicinity of Haleili Street and Bruner Road
Federal-Aid Project No. HS1P-011-1(045)
Scale: NTS
Date: September 2023

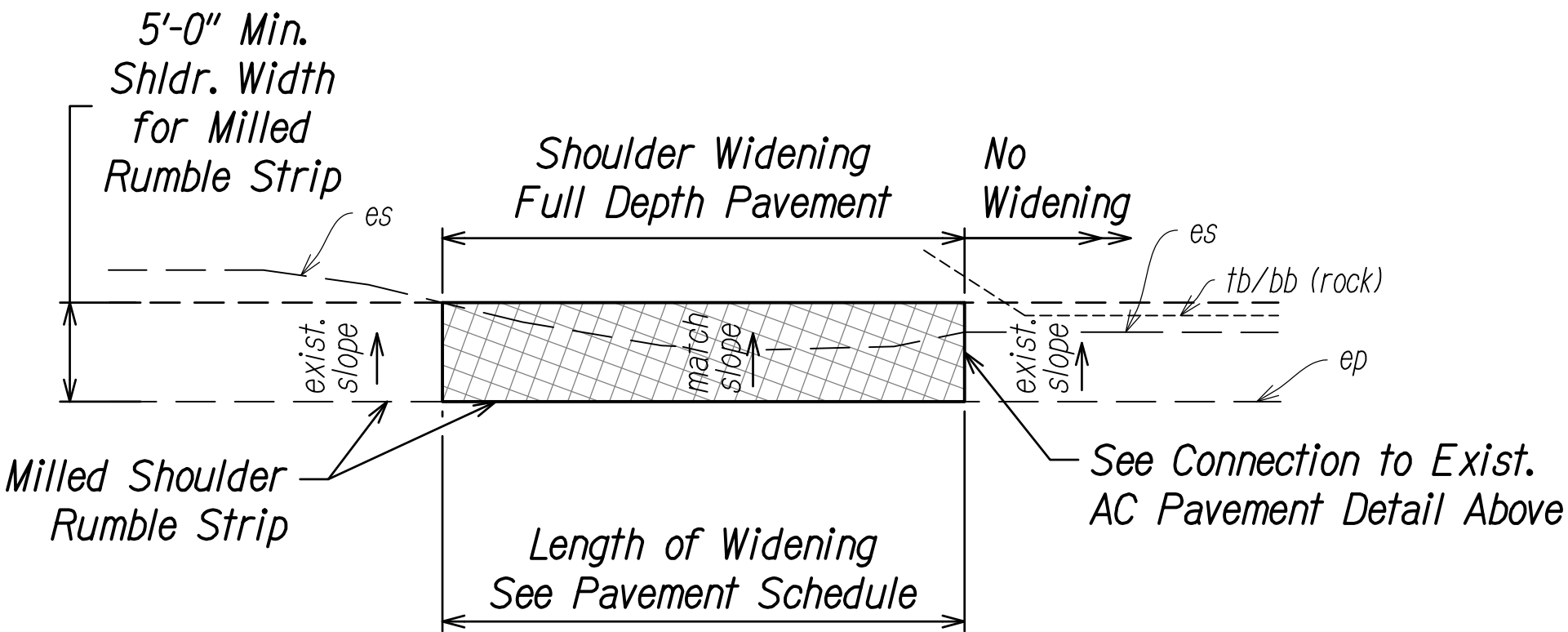
SHEET No. 1 OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HS1P-011-1(045)	2023	9	114

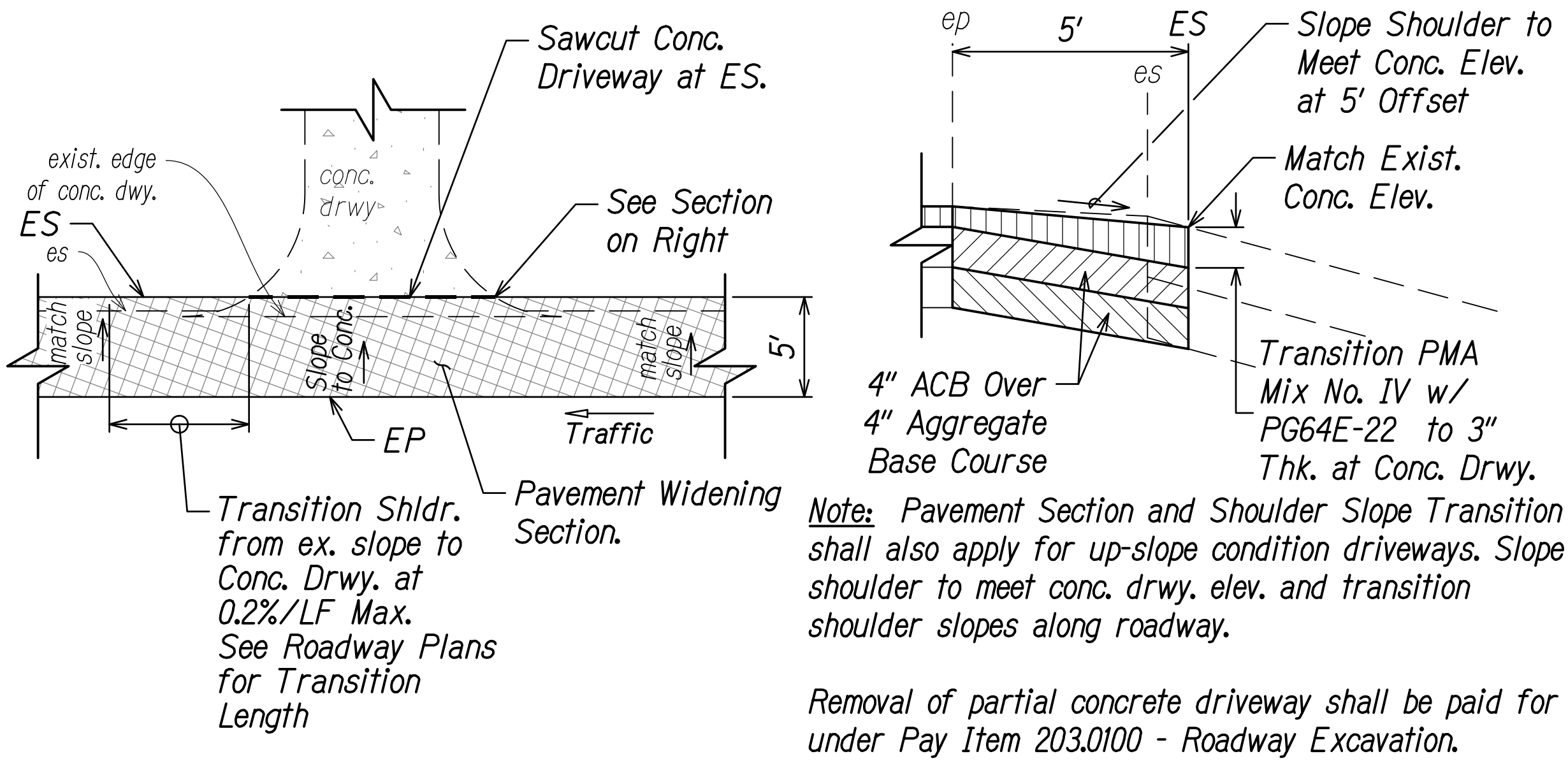


CONNECTION TO EXISTING AC PAVEMENT DETAIL

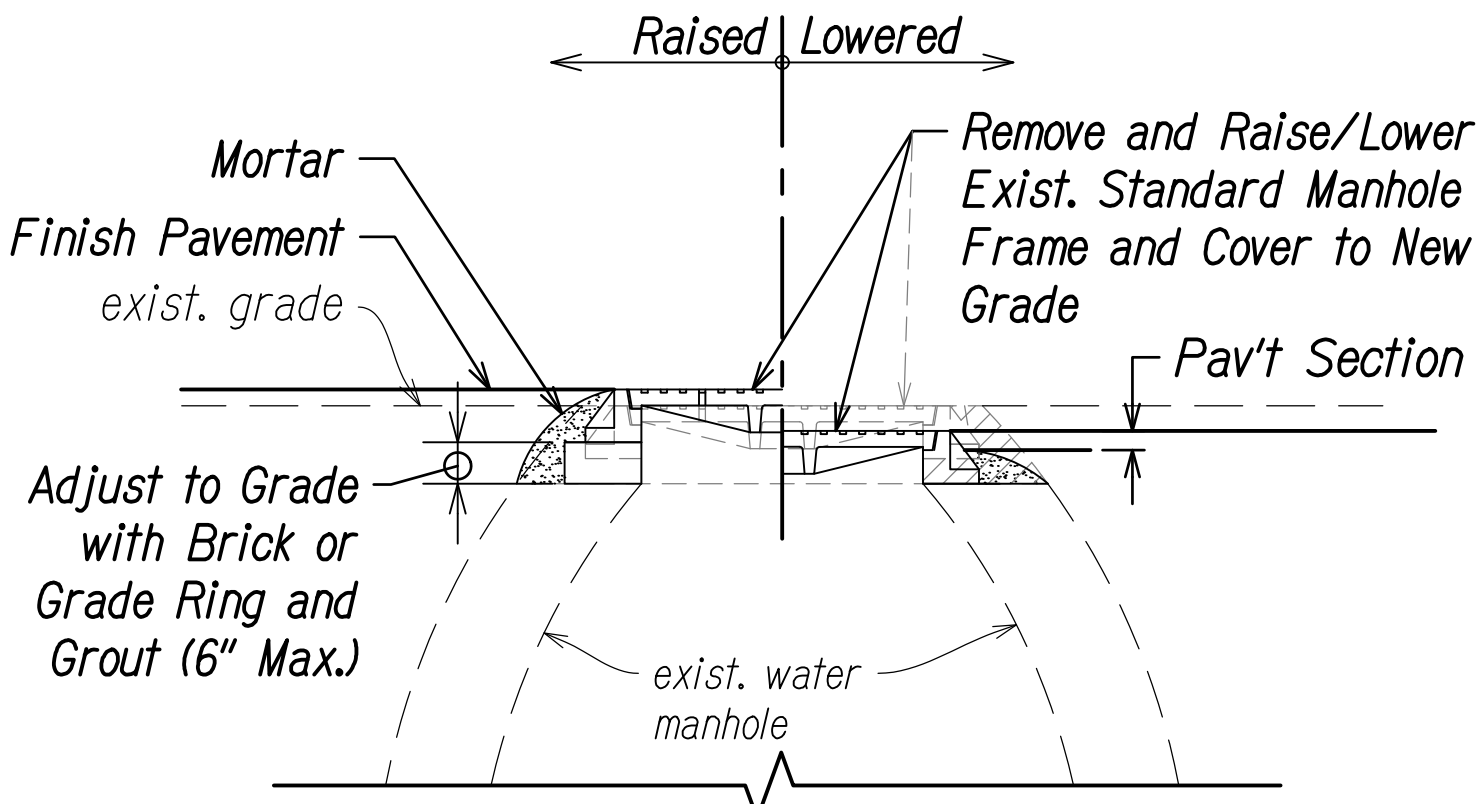
REFLECTOR MARKER ON FLEXIBLE POST DETAIL



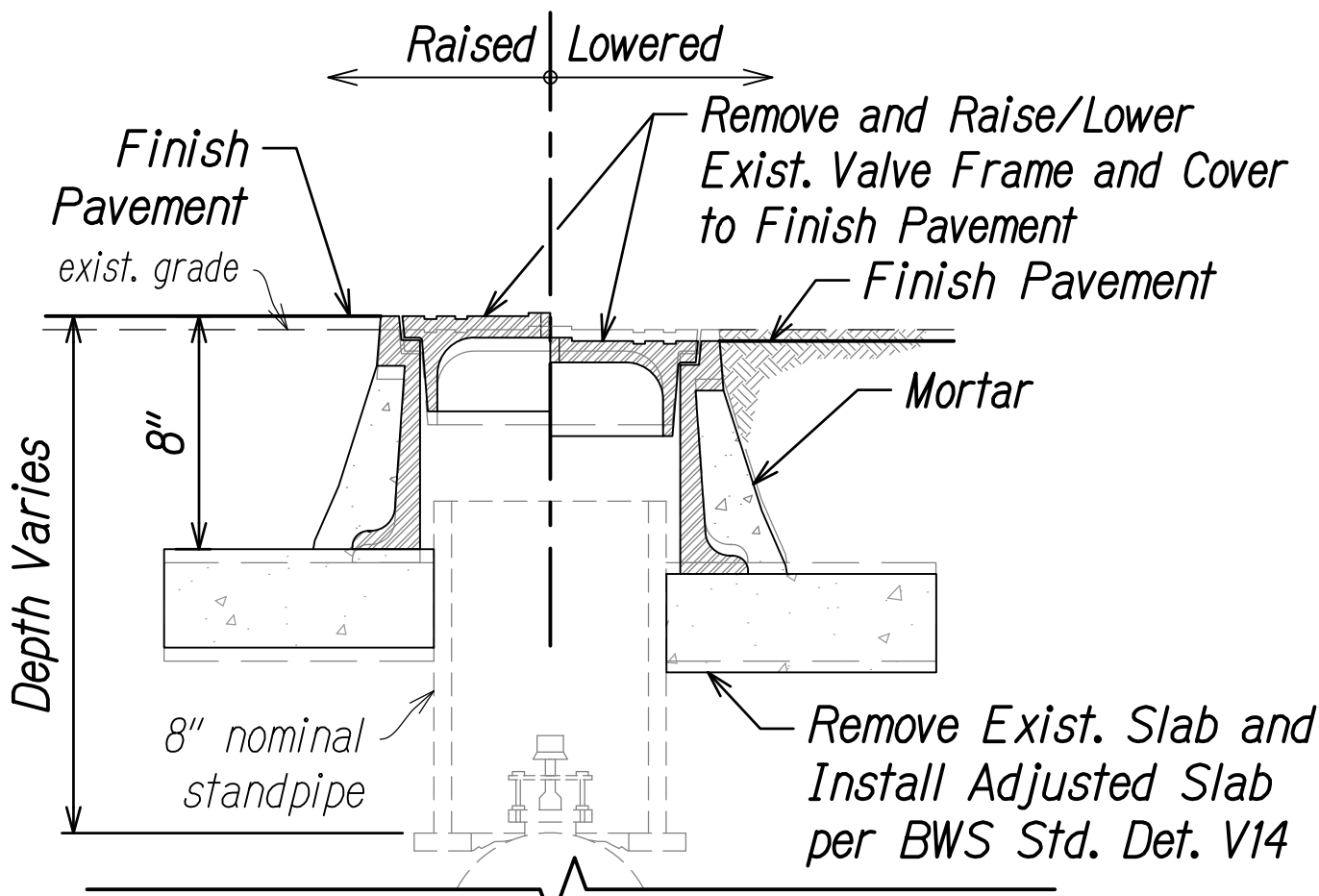
CONNECTION TO EXISTING AC PAVEMENT DETAIL



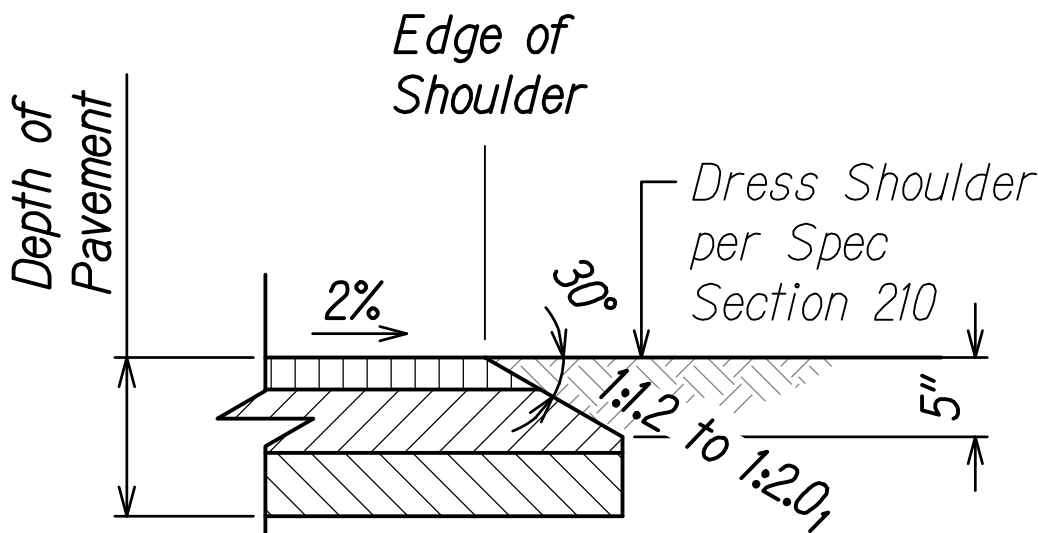
SHOULDER WIDENING CONNECTION AT CONCRETE DRIVEWAY



WATER MANHOLE FRAME AND COVER ADJUSTMENT DETAIL

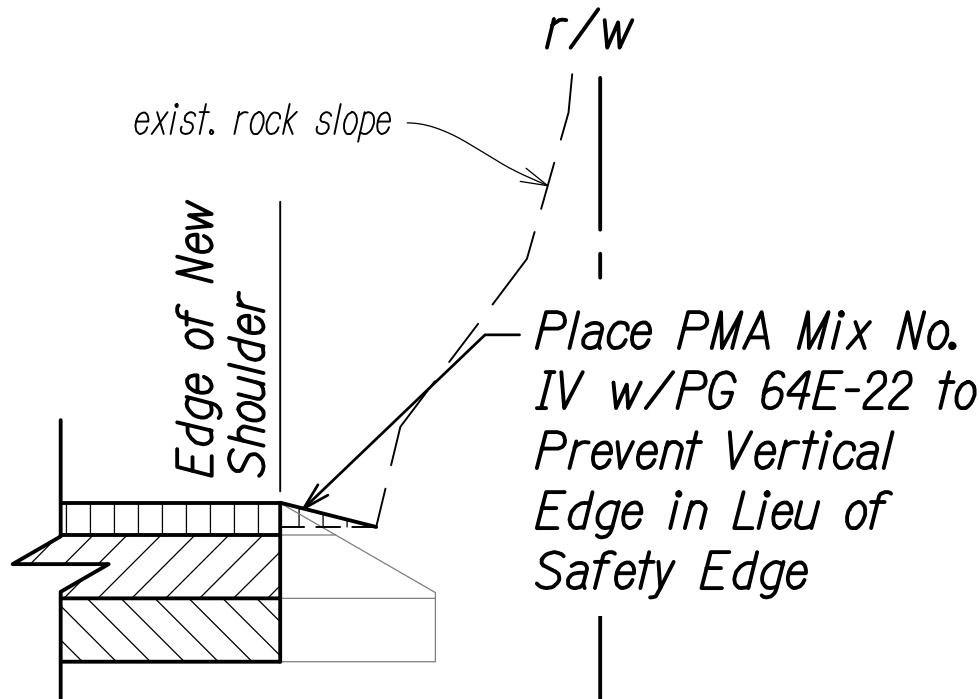


WATER VALVE FRAME AND COVER ADJUSTMENT DETAIL

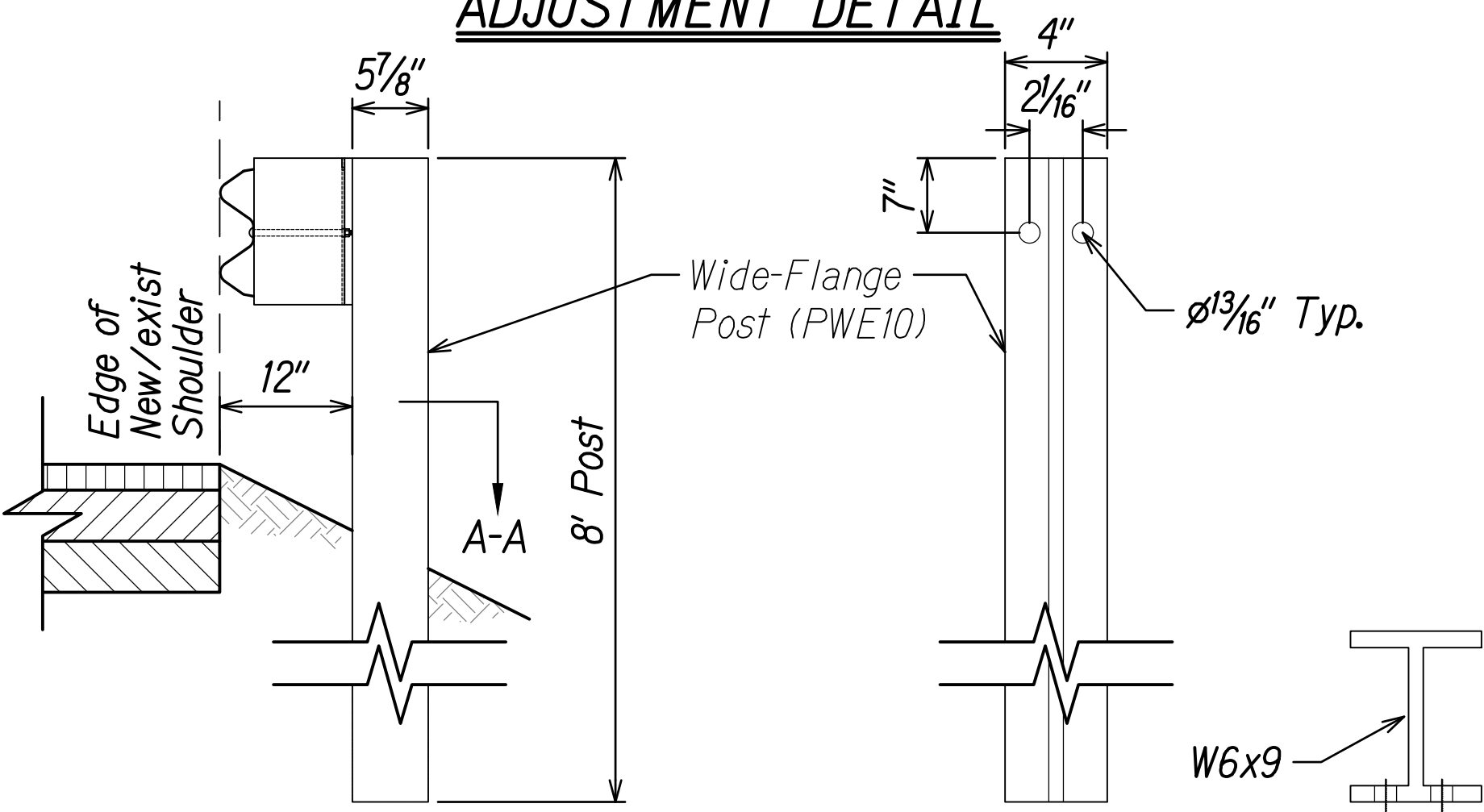


- NOTES:**
1. Recommended Rise to Run Ratio. Range of Slope is Equal to 26° to 40°.
 2. Measurement and payment for installation of safety edge shall be considered incidental to shoulder widening.

SAFETY EDGE DETAIL



TYPICAL SECTION ROCK CUT CONDITION

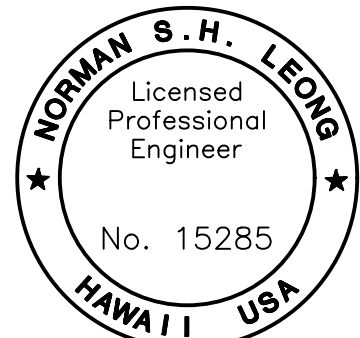


SECTION/SIDE

FRONT

A-A

GUARDRAIL ON SLOPE DETAIL



This work was prepared by me or under my supervision and construction of this project will be under my observation.

Norman S. H. Leong

Expiration Date of License: 4/24

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
TYPICAL SECTIONS AND DETAILS
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Scale: NTS Date: September 2023