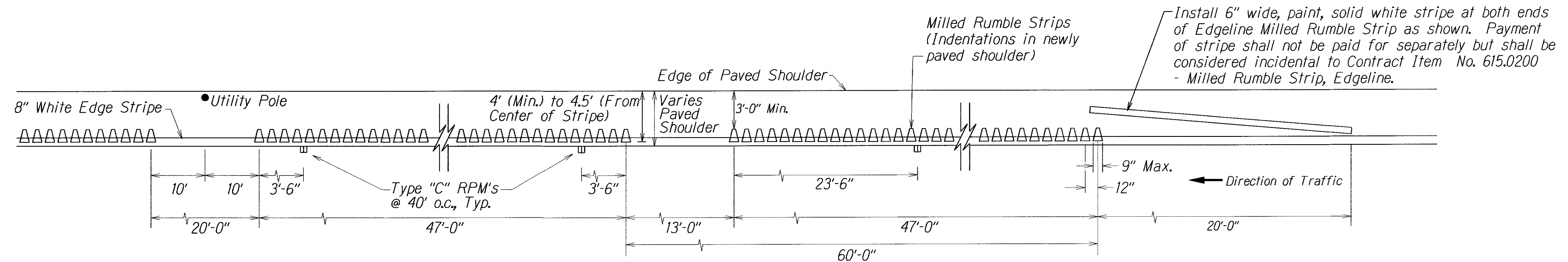


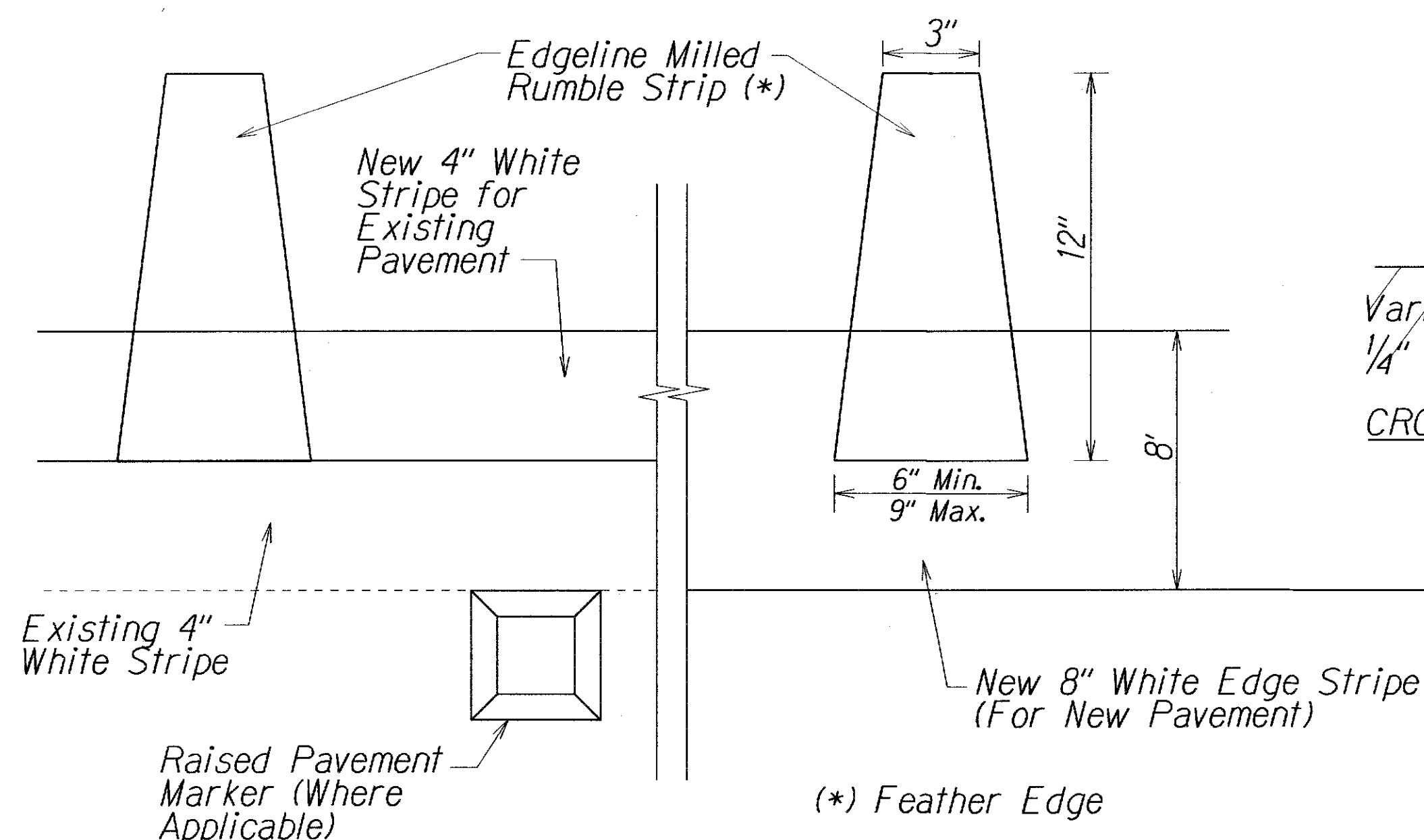
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(009)	2015	22	33



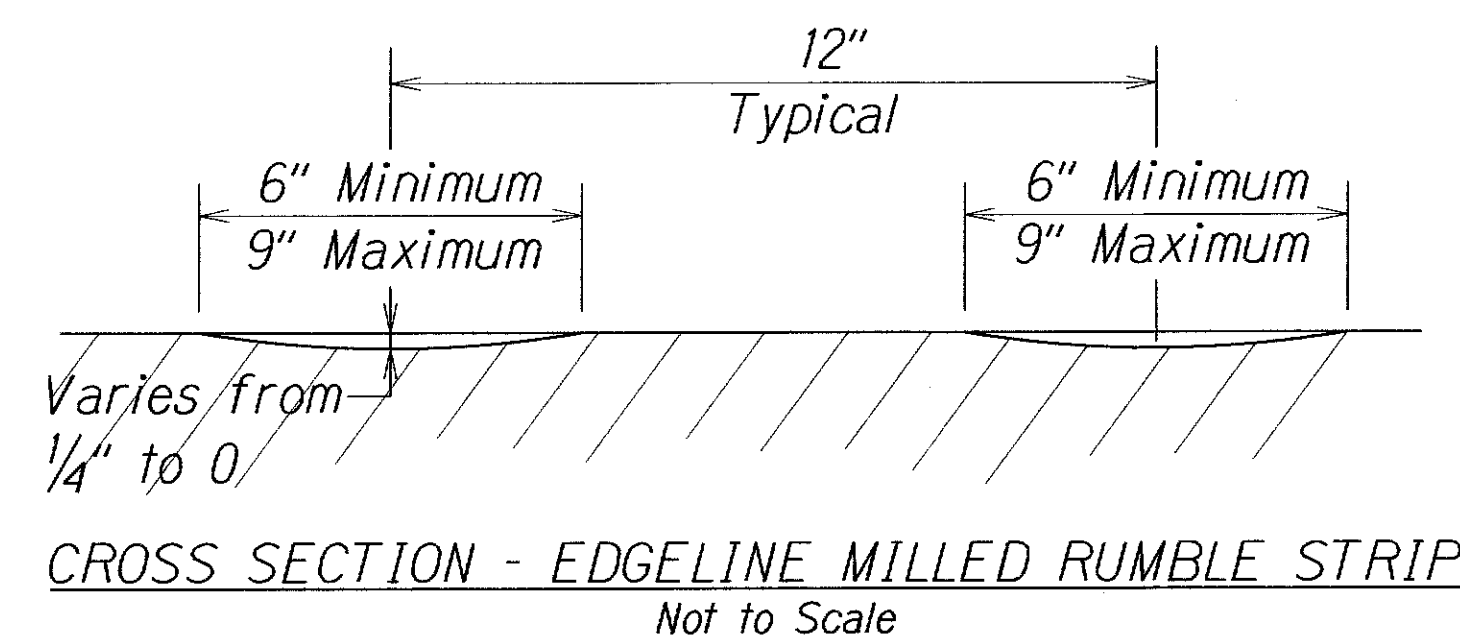
PLAN - EDGELINE MILLED RUMBLE STRIP
Not to Scale

NOTES:

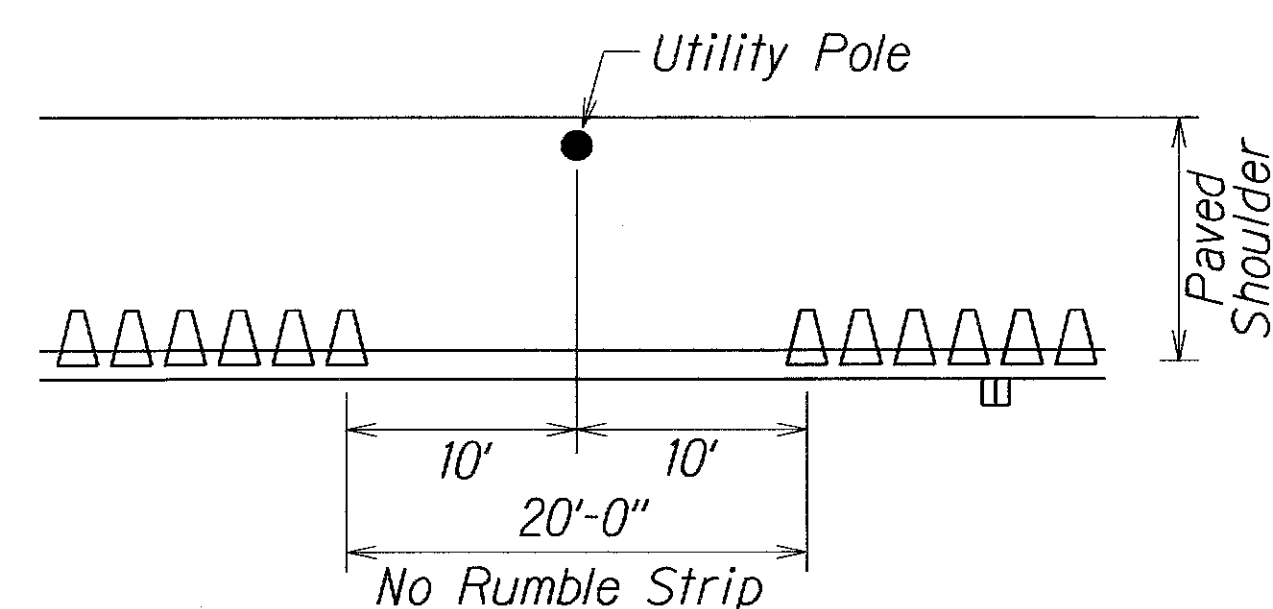
1. Edgeline milled rumble strips shall be installed where the existing condition of the shoulder are 4' to 4.5' from center of edge stripe.
2. The method of constructing the edgeline milled rumble strip shall be submitted to the Engineer for acceptance prior to the actual work.
3. Dimensions shown are approximate. Adjust rumble strip spacing to coordinate with pavement marking prior to installation.
4. Raised pavement markers shall be installed on level surface between the rumble strips. Do not install raised pavement markers inside the milled area.
5. The construction of the edgeline milled rumble strip and 13-foot gaps shall be paid for under Item No. 615.0200 - Milled Rumble Strip, Edgeline. The milling apparatus, 20 L.F. - 6" white stripe, and removal of existing pavement markings will not be paid for separately and shall be considered incidental to Item 615.0200 - Milled Rumble Strip, Edgeline.
6. Rumble strips shall be installed along all shoulders, except at right turn deceleration and acceleration lanes, as noted on the plans.
7. Do not place Type "C" Raised Pavement markers within 2 ft. of the 13 ft. Rumble Strip opening.
8. Do not install edgeline rumble strips on bridge decks.
9. Where at-grade bridges are present, rumble strips shall end/begin 20 L.F. beyond the existing bridge deck joints/concrete approach slab.
10. Rumble Strips are to be installed after the edge of pavement stripe and before the installation of the Type "C" raised pavement markers.
11. Pre-formed pavement striping tape or hot spray thermoplastic shall be used for solid line markings within the edgeline milled rumble strip area.



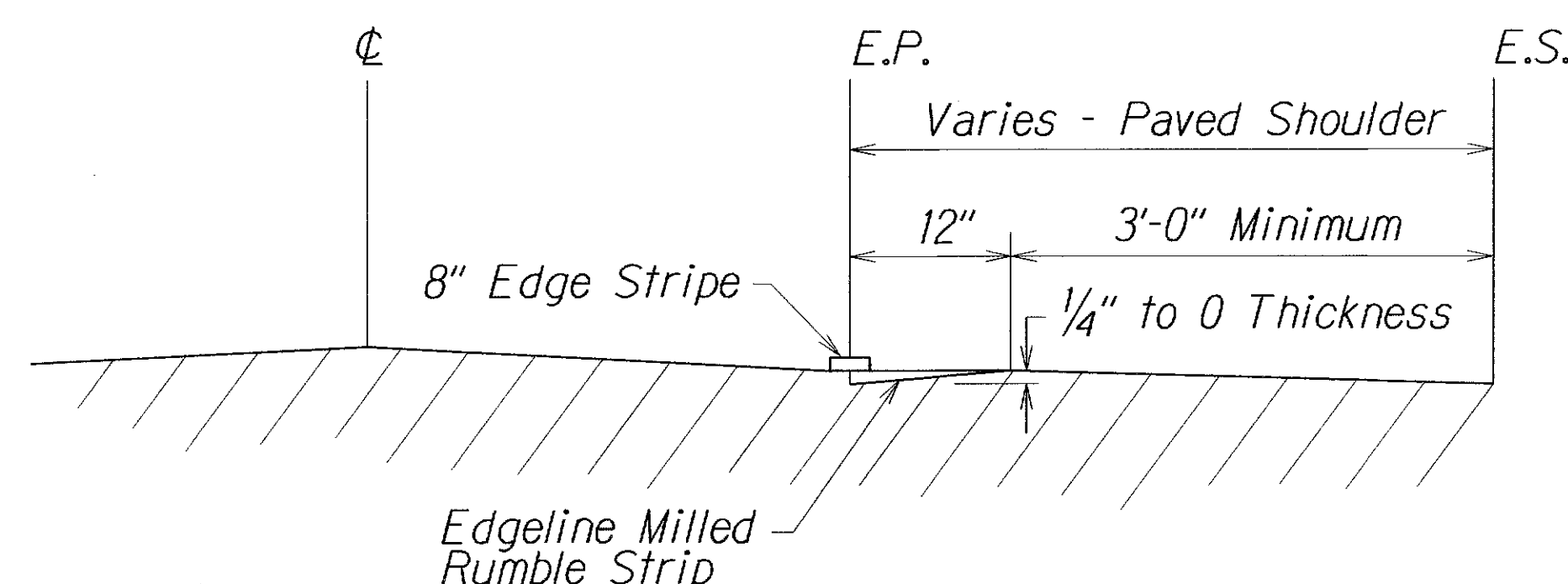
DETAIL - EDGELINE MILLED RUMBLE STRIP
Not to Scale



CROSS SECTION - EDGELINE MILLED RUMBLE STRIP
Not to Scale



DETAIL - CONDITION WHERE UTILITY POLE EXISTS
Not to Scale

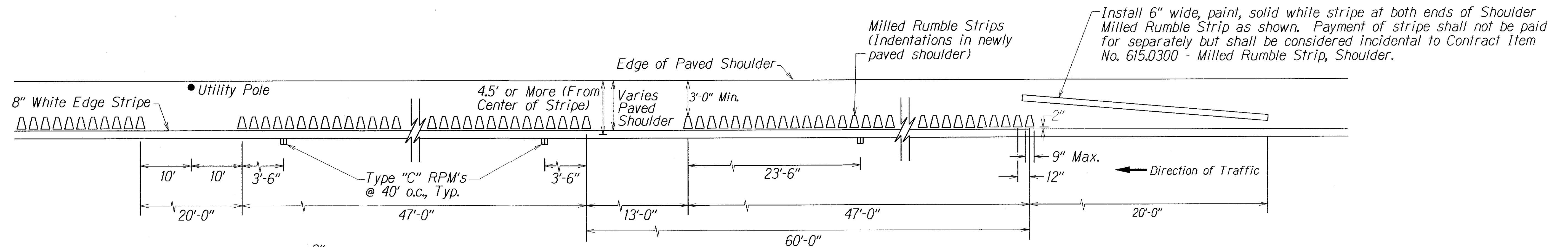


LONGITUDINAL SECTION - EDGELINE MILLED RUMBLE STRIP
Not to Scale

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
TRACED BY		
NOTE BOOK		
10/1/04		
CHECKED BY		
N. B. BROWN		

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
EDGELINE MILLED RUMBLE STRIP
DETAIL FOR SHOULDER 4' TO 4.5'
MOKULELE HIGHWAY PAVEMENT
PREVENTIVE MAINTENANCE
Vicinity of Maui Humane Society to North Kihei Road
Federal-Aid Project No. NH-A311(009)
Scale: As Shown Date: November, 2014
SHEET No. 1 OF 2 SHEETS

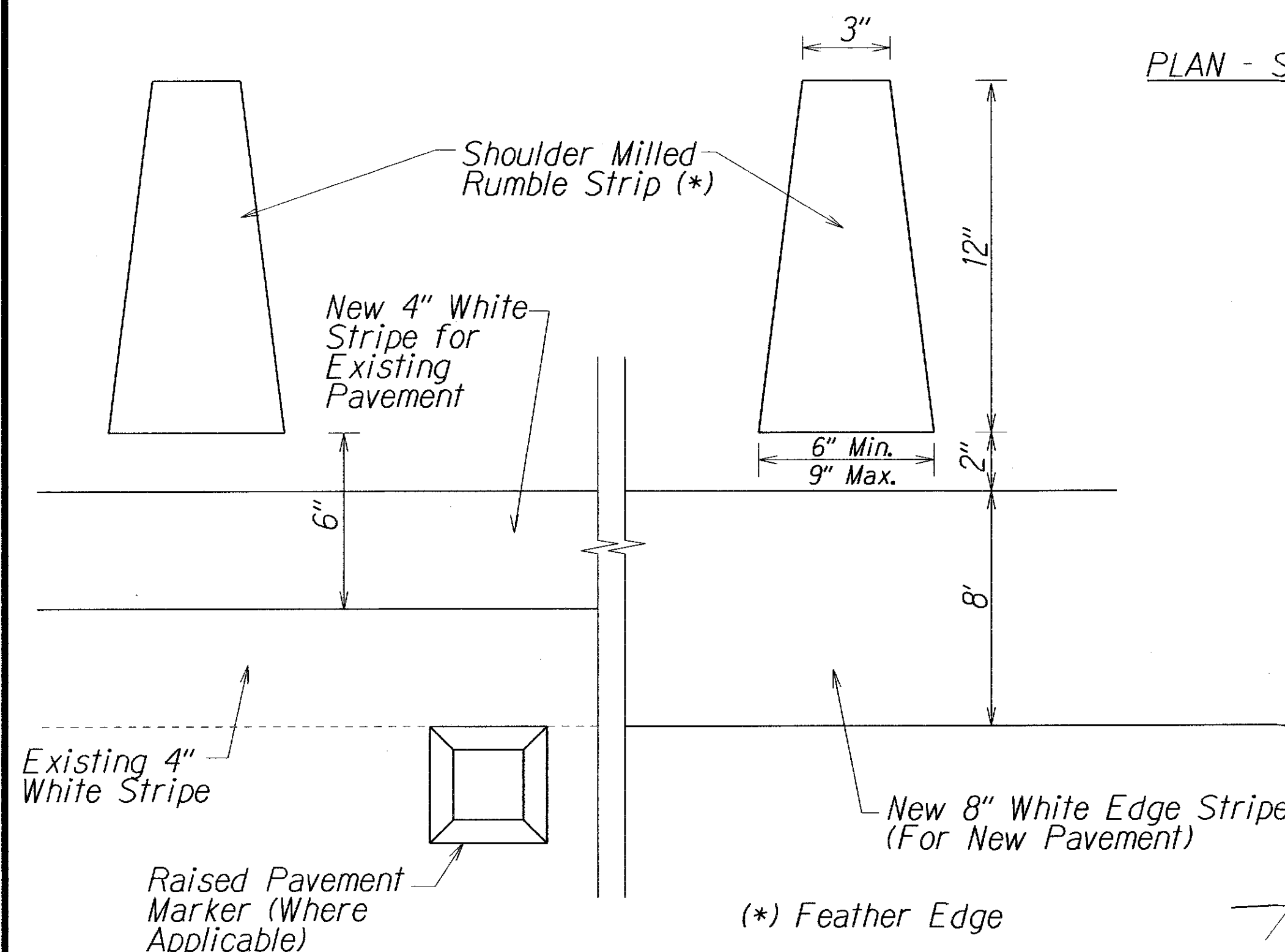
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-A311(008)	2015	23	33



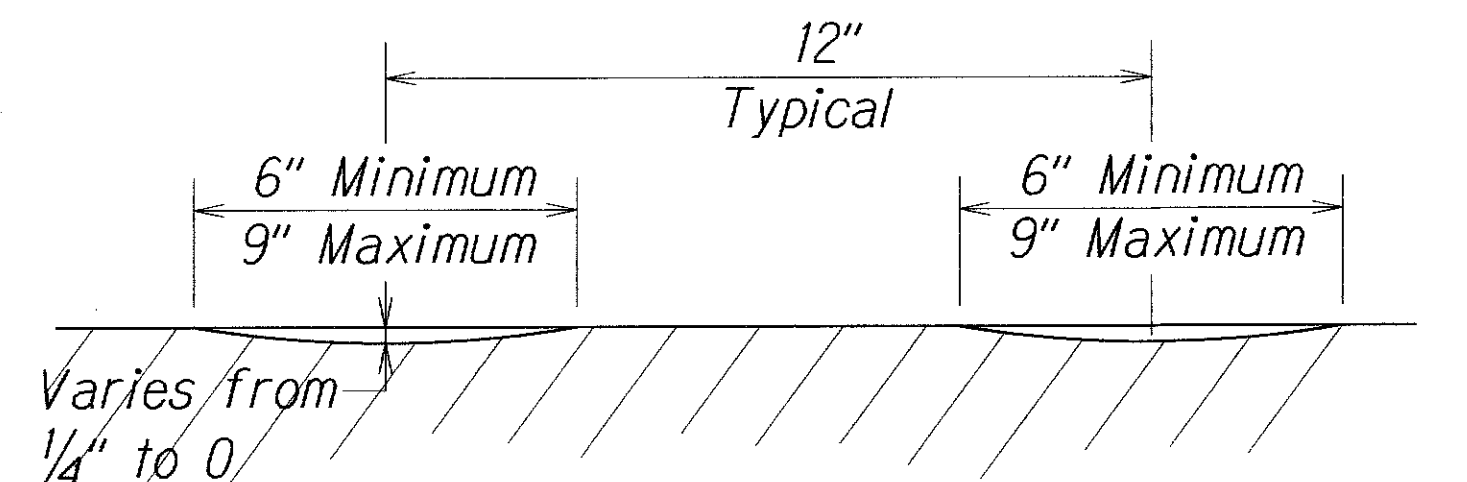
PLAN - SHOULDER MILLED RUMBLE STRIP
Not to Scale

NOTES:

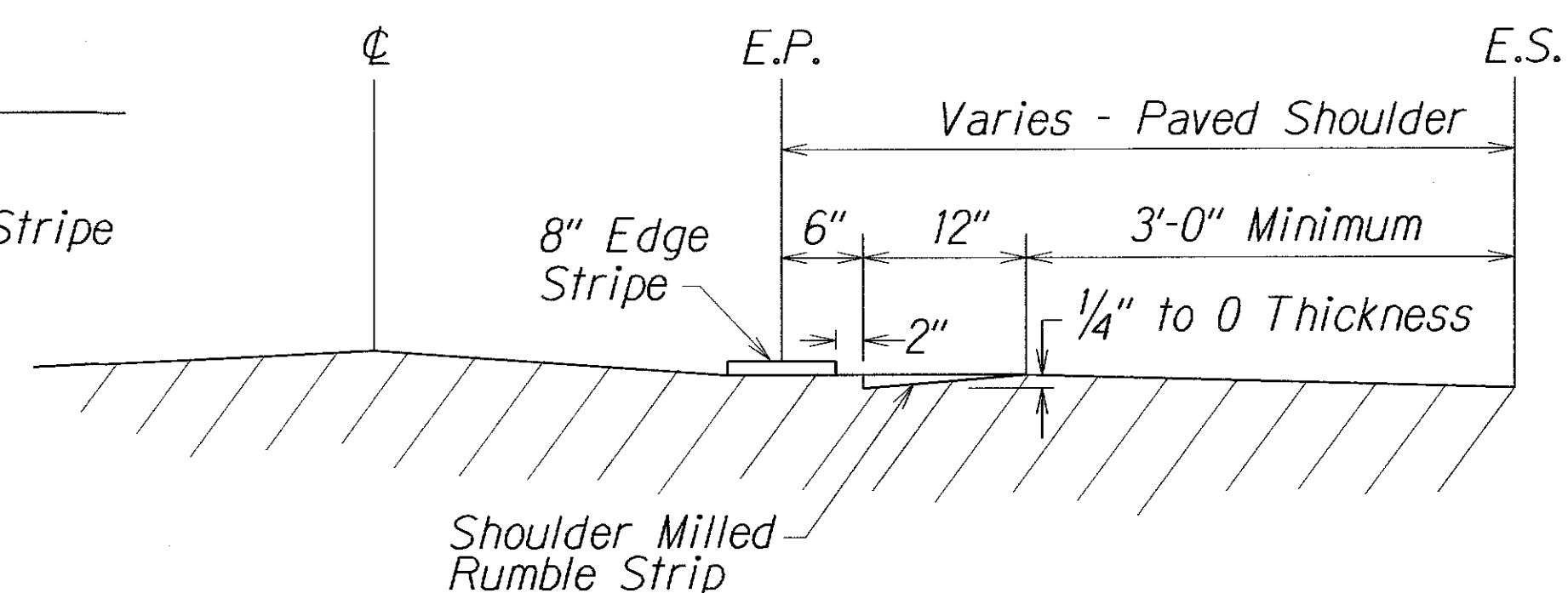
- Shoulder milled rumble strips shall be installed where the existing condition of the shoulder are 4.5' or more from center of edge stripe.
- The method of constructing the shoulder milled rumble strip shall be submitted to the Engineer for acceptance prior to the actual work.
- Dimensions shown are approximate. Adjust rumble strip spacing to coordinate with pavement marking prior to installation.
- Raised pavement markers shall be installed on level surface between the rumble strips. Do not install raised pavement markers inside the milled area.
- The construction of the edgeline milled rumble strip and 13-foot gaps shall be paid for under Item No. 615.0300 - Milled Rumble Strip, Shoulder. The milling apparatus, 20 L.F. - 6" white stripe, and removal of existing pavement markings will not be paid for separately and shall be considered incidental to Item 615.0300 - Milled Rumble Strip, Shoulder.
- Rumble strips shall be installed along all shoulders, except at right turn deceleration and acceleration lanes, as noted on the plans.
- Do not place Type "C" Raised Pavement markers within 2 ft. of the 13 ft. Rumble Strip opening.
- Do not install edgeline rumble strips on bridge decks.
- Where at-grade bridges are present, rumble strips shall end/begin 20 L.F. beyond the existing bridge deck joints/concrete approach slab.
- Rumble Strips are to be installed after the edge of pavement stripe and before the installation of the Type "C" raised pavement markers.
- Pre-formed pavement striping tape or hot spray thermoplastic shall be used for solid line markings within the shoulder milled rumble strip area.



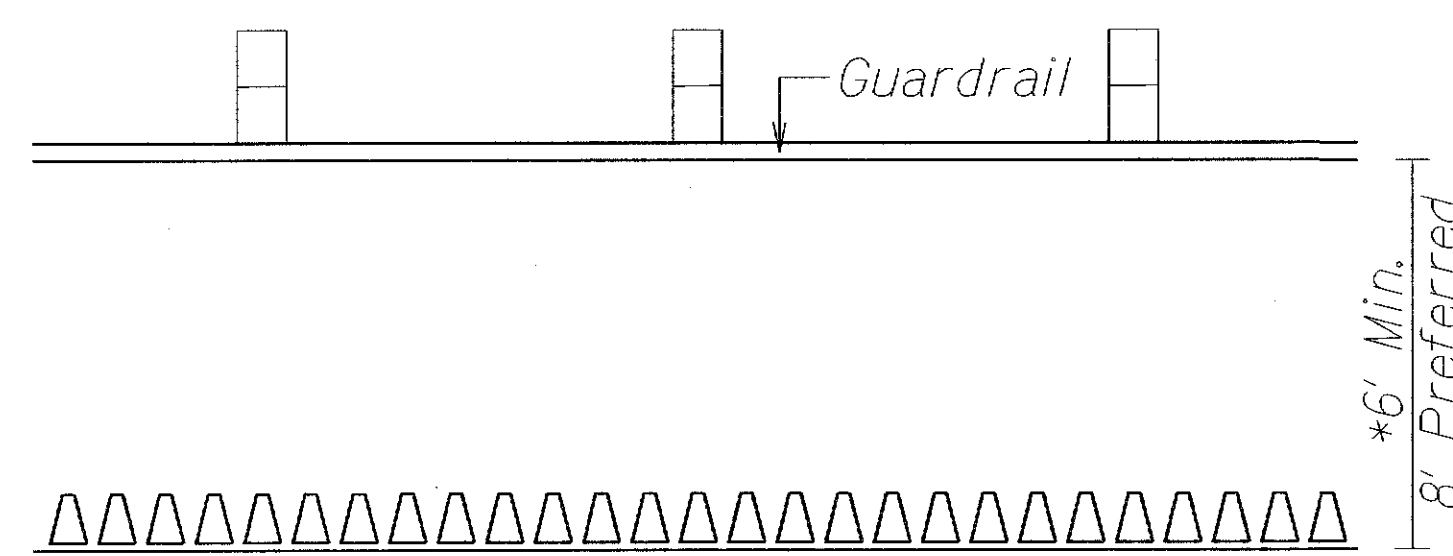
DETAIL - SHOULDER MILLED RUMBLE STRIP
Not to Scale



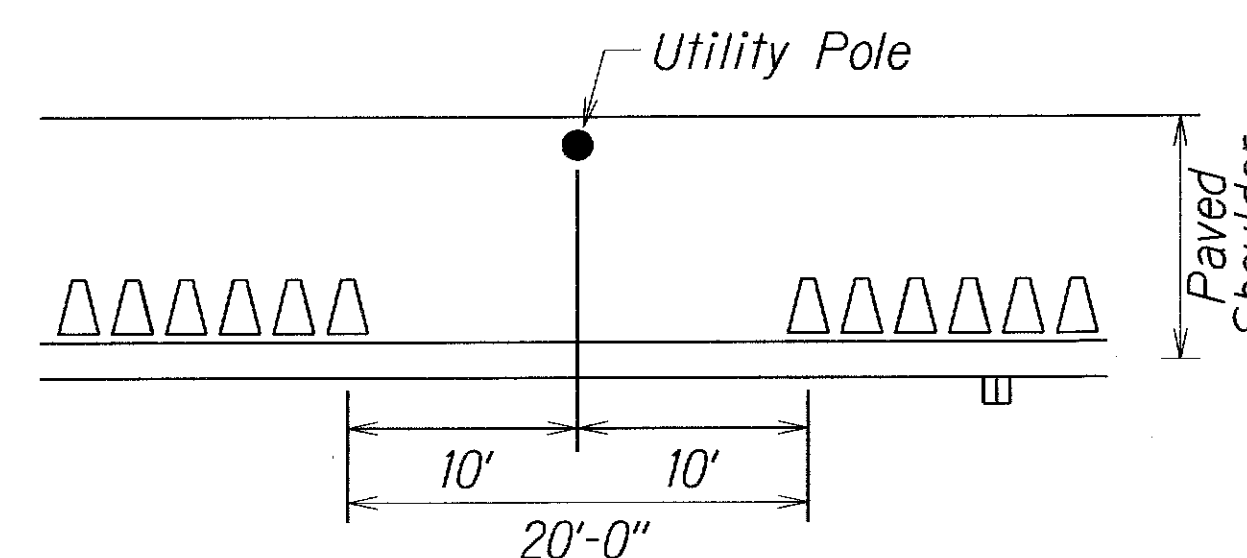
CROSS SECTION - SHOULDER MILLED RUMBLE STRIP
Not to Scale



LONGITUDINAL SECTION - SHOULDER MILLED RUMBLE STRIP
Not to Scale



DETAIL - CONDITION WHERE GUARDRAIL EXISTS
Not to Scale



DETAIL - CONDITION WHERE UTILITY POLE EXISTS
Not to Scale

*If shoulder width is less than 6', do not install shoulder rumble strip where guardrail exists.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
DRAWN BY		
CHECKED BY		
IN CHARGE		
NOTED BY		
QUANTITIES BY		
CHECKED BY		
DATE		

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SHOULDER MILLED RUMBLE STRIP
DETAIL FOR SHOULDER 4.5' OR MORE

MOKULELE HIGHWAY PAVEMENT
PREVENTIVE MAINTENANCE
Vicinity of Maui Humane Society to North Kihei Road
Federal-Aid Project No. NH-A311(009)

Scale: As Shown Date: November, 2014

SHEET No. 2 OF 2 SHEETS