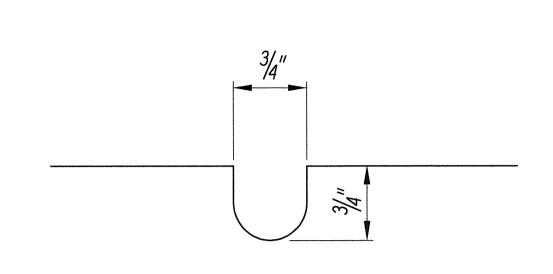
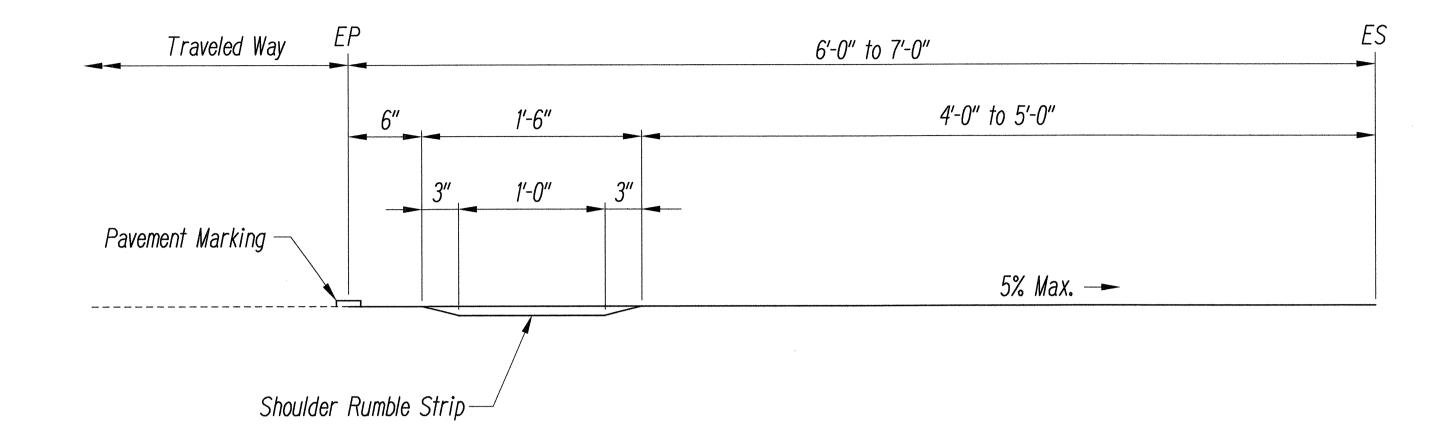
Notes:

- 1. Rumble Strip depressions must be placed after Breakdown Rolling, with Finish Rolling done after Rumble Strip Rolling but not on depressions unless otherwise directed by the Engineer.
- 2. Rolling for Rumble Strip depressions shall be done when temperature of asphalt is about 180° F (when fines just stick to the palm of the hand). Discontinue rolling if mat begins to tear. The rolling of depressions or the stopping of rolling process shall be done in accordance to the preceding requirements unless otherwise directed by the Engineer.
- 3. Priority is to complete full Breakdown Rolling in order to achieve the required density. Full depth depression is a secondary consideration unless otherwise directed by the Engineer.
- 4. The method of constructing the Rumble Strip depressions shall be submitted to the Engineer for acceptance prior to the actual work.
- 5. The construction of the Shoulder Rumble Strip, including the fabrication of the grooving apparatus and 6" white stripe, shall be considered incidental to Asphalt Concrete Pavement, Mix No. IV. and will not be paid for separately.





FED. ROAD DIST. NO.

HAWAII

STATE

HAW.

FED. AID PROJ. NO.

FLH-0270(16) **∲** FLH-0270(17) FISCAL SHEET TOTAL YEAR NO. SHEETS

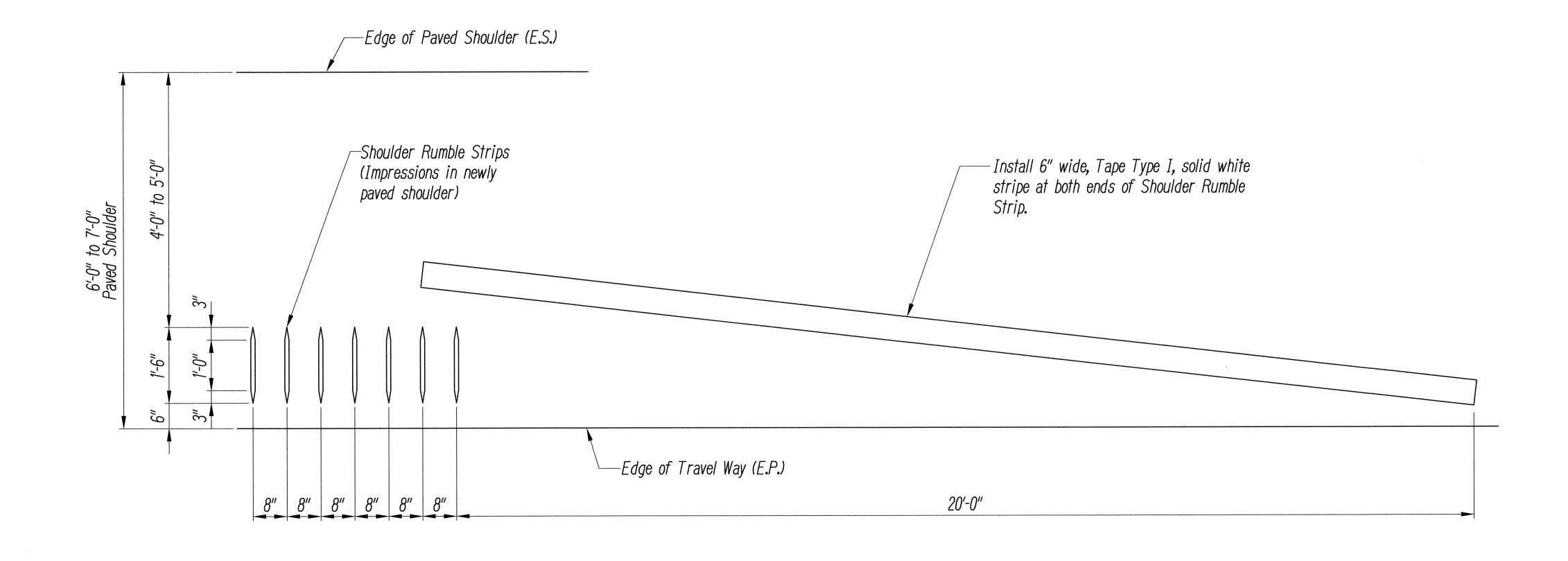
2001

DETAIL - SHOULDER RUMBLE STRIP

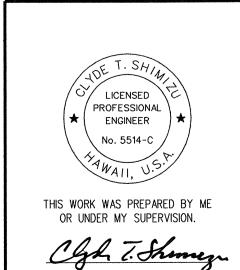
Scale: 1"=1"

LONGITUDINAL SECTION - SHOULDER RUMBLE STRIP

Scale: 11/2"=1'-0"



PLAN Scale: 3/4"=1'-0"



STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

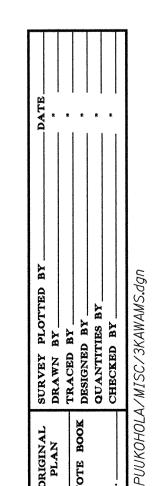
HIGHWAYS DIVISION

MISCELLANEOUS DETAILS

KAWAIHAE ROAD PU'UKOHOLA HEIAU NHSINTERSECTION IMPROVEMENTSFAP NOS. FLH-0270(16) ♦ FLH-0270(17)Scale: As ShownDate: Nov, 2000

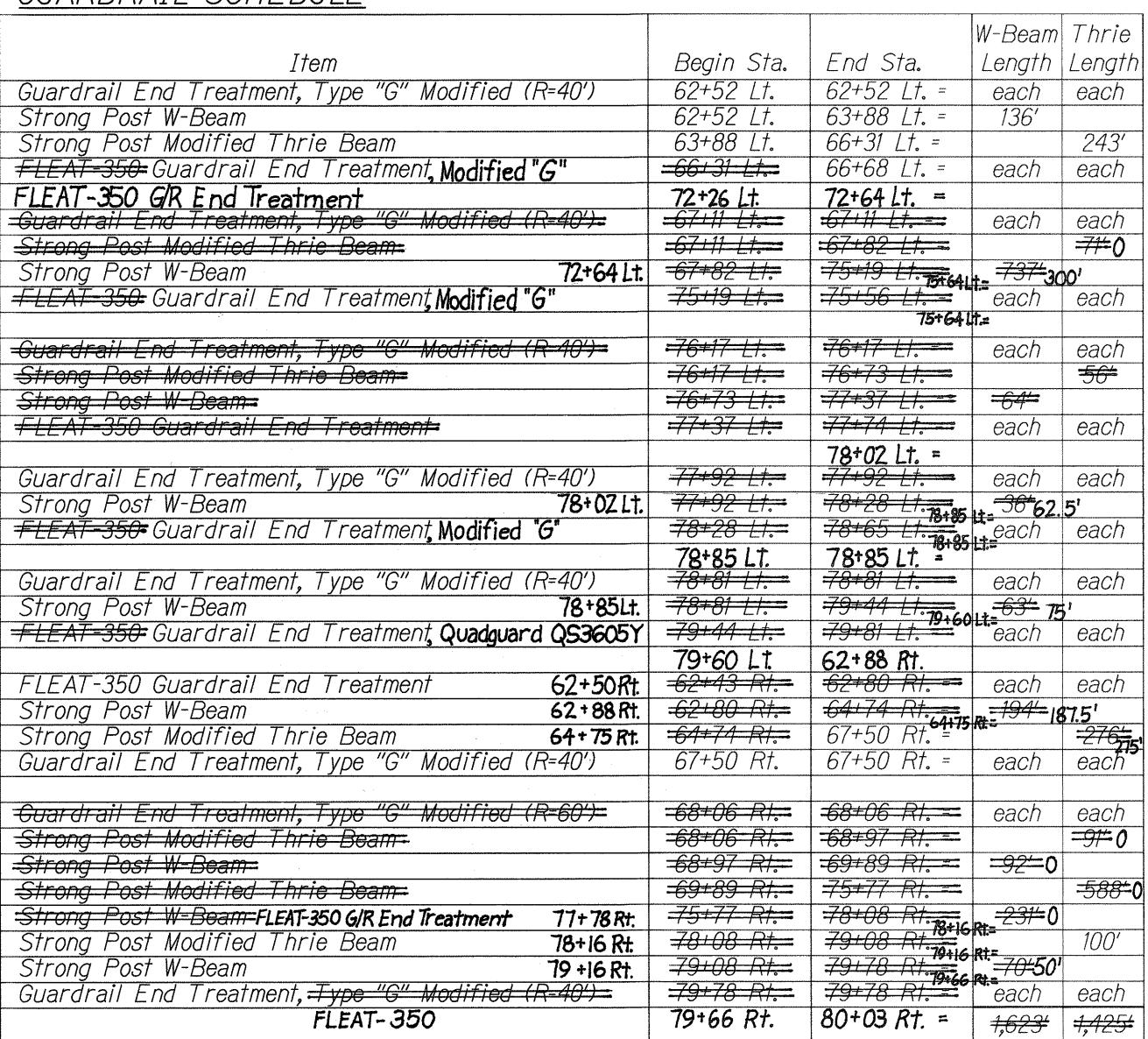
SHEET No. 1 OF 1 SHEETS

. 1 OF 1 SH



GUARDRAIL SCHEDULE

→ Direction of Travel



37'-6" FLARE GUARDRAIL LENGTH *RM-3*—√ -RM-2 on Flex Post RM-3 on Flex Post RM-3 Guardrail -RM-2 on Flex Post End Treatment, -RM-2 on Flex Post Type "G" Modified FLEAT-350 Offset Distance (R=Radius) To E.P. Stripe Edge of Travelway -

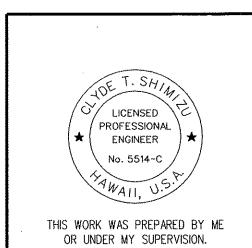
RM-2 MARKERS ON FLEX POSTS

@ 100' o.c. TYP.

TYPE "G" MODIFIED \≠ "FLEAT 350" END TREATMENT Not To Scale

NOTES

- 1. All reflector markers located behind guardrail and other locations shall be installed with flexible delineator posts.
- 2. Exact location of Reflector Markers shall be determined in the field by the Engineer.
- 3. Color of flexible delineator posts shall be white except for RM-3, RM-3 bidirectional, and RM-3/RM-2 combinations shall be yellow posts.
- 4. RM-2 shall be white.



Olyd T. Shrmeze

STATE OF HAWAII **DEPARTMENT OF TRANSPORTATION** HIGHWAYS DIVISION

MISCELLANEOUS DETAILS

KAWAIHAE ROAD PU'UKOHOLA HEIAU NHS INTERSECTION IMPROVEMENTS FAP NOS. FLH-0270(16) \$ FLH-0270(17) Date: Nov, 2000 Scale: None

1 OF SHEETS SHEET No.

"A5-31-31"

811'

618'