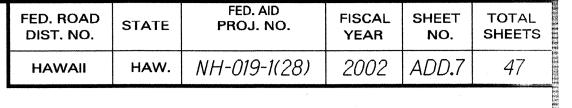
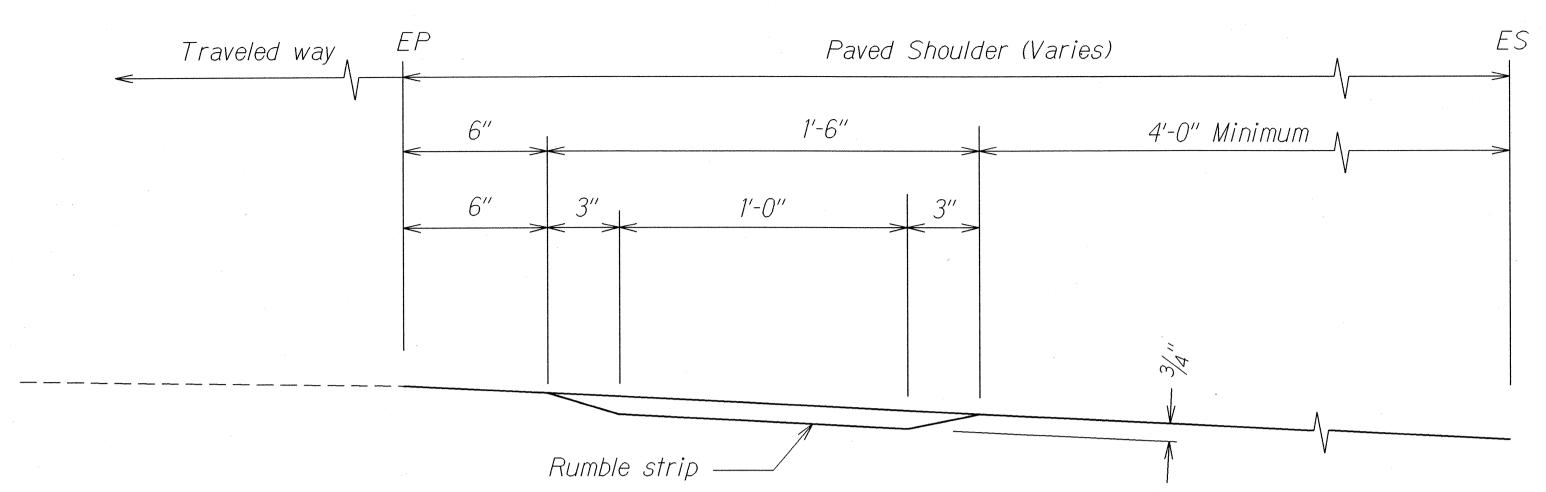
NOTES: 1. Rumble Strip depressions must be placed after Breakdown Rolling, with Finish Rolling done after Rumble Strip Rolling but not on depressions unless otherwise directed by the Engineer. 2. Rolling for Rumble Strip depressions shall be done when temperature of asphalt is about 180° F (when fines just stick to the palm of 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 the preceding requirements unless otherwise directed by the Engineer. 3. Priority is to complete full Breadown 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 the Shoulder Rumble Strip including the fabrication of the grooving apparatus and 6"white stripe, shall be considered incidental to Section 312 - Plant Mix Glassphalt Concrete Base Course and will not be paid for separately. 6. When shoulder reconstruction is required, Shoulder Rumble Strip shall be replaced exactly in the same location as constructed on the ground, no alterations will be allowed.

8" 8" 8" 8" 8" 8"

PLAN





SECTION - RUMBLE STRIP

Scale: 6"=1'-0"

20'-0"

LONGITUDINAL SECTION - RUMBLE STRIP Scale: 3"=1'-0"

NOTE

Shoulder rumble strips should not be used unless 1.2 meters (4 feet) minimum of clear shoulder width for bicycle use is available between the rumble strips and the outer edge of the paved shoulder.

Install 6" wide, Tape Type I, solid white stripe at both ends of shoulder Rumble Strip as shown. Payment of stripe shall not be paid for separately but shall be Rumble strips (Indentations in newly paved shoulder) considered incidental to the various contract items. — edge of pavement

New Edge of Paved Shoulder

12/10/01 Plan Sheet No. ADD.7 shall supercede Plan Sheet No. 7 per Addendum No. 1.

DATE

REVISION

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION

SHOULDER RUMBLE STRIP DETAILS AND NOTES

QUEEN KA'AHUMANU HIGHWAY

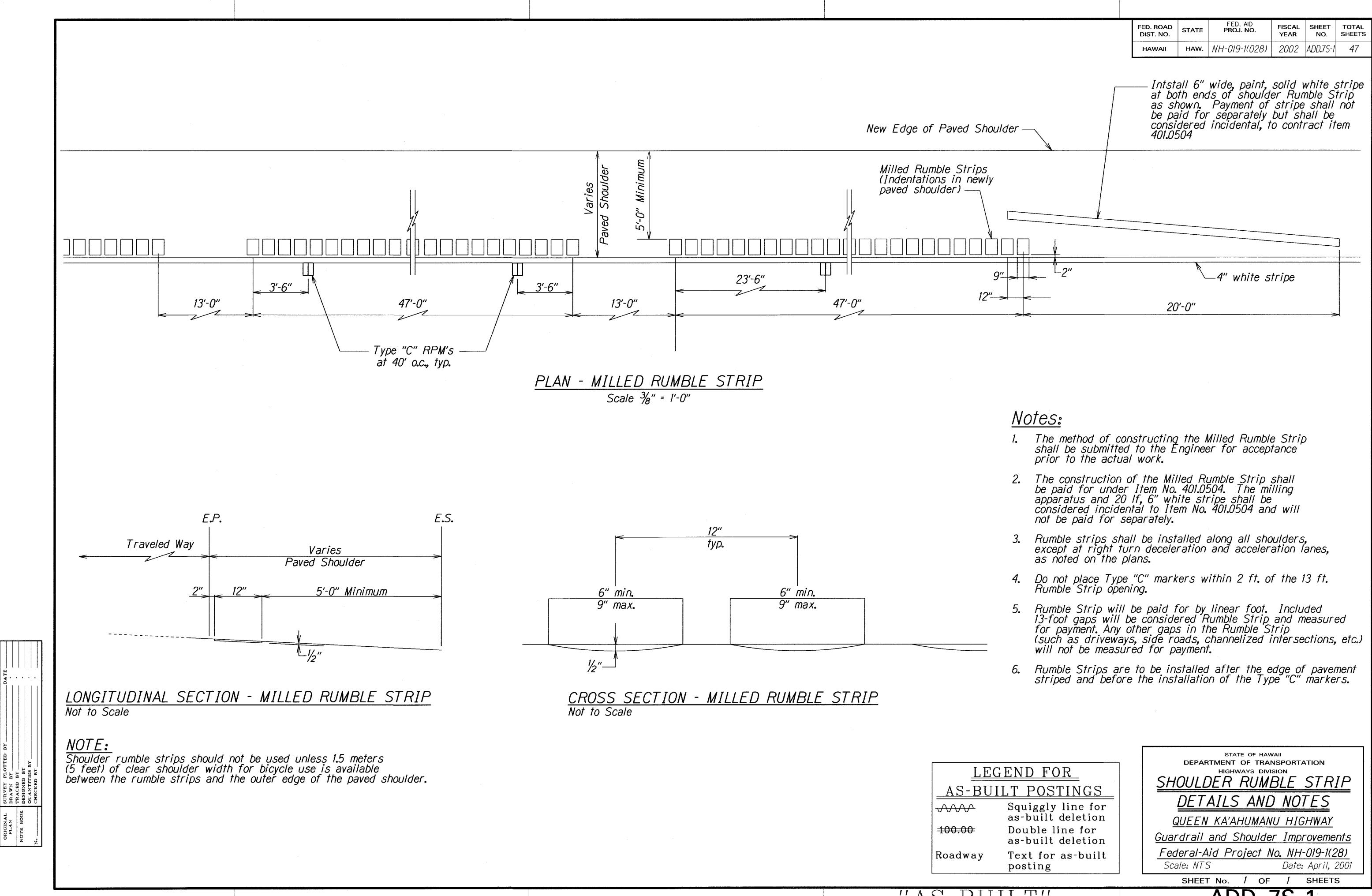
GUARDRAIL AND SHOULDER IMPROVEMENTS F.A. PROJECT NO. NH-019-1(28)

Scale: see plans SHEET No. 1

of 1 SHEETS

Date: April, 2001

ADD.7



ADD. 7S-1