SURVEY PLOTTE
DRAWN BY
TRACED BY
OUANTITIES BY
CHECKED BY

10' length Profiled Thermoplastic Stripe per PAVEMENT MARKING LEGEND contract detail (next page). All Type A and J RPM NOTES were removed (except for rumble strip areas) 4 cach Type A Raised Pavement Markers Type C Raised Pavement Markers @ 40'-0" o.c. 4 Each Type J Raised Pavement Markers Type D Raised Pavement Markers @ 40'-0" o.c. 8" White Stripe with Type C Raised Pavement Markers @ 20'-0" o.c. (Tape, Type I or Thermoplastic Extrusion) 4" Double Solid Yellow with Type D Raised Pavement Markers @ 20'-0" o.c. (Tape, Type I or Thermoplastic Extrusion) 4" Double Solid Yellow Stripes with Type H Raised Pavement Markers @ 20'-0" o.c. (Tape, Type II or Thermoplastic Extrusion) Yellow Edge Stripe with Type H Raised All edge stripe 7 Pavement Markers @ 40'-0" o.c. (Tape, Type II or Thermoplastic Extrusion) width 4" Double Solid White Stripes with Type C Raised Pavement Markers @ 20'-0" o.c. (Tape, Type I or Thermoplastic Extrusion) Lane Change Restriction Marking 4 each Type A Raised Pavement Markers Type C Raised Pavement Markers @ 20'-0" o.c. 4" White Stripe (Tape, Type I or Thermoplastic 4" or 8" White Edge Stripe with Type C Raised Pavement Markers @ 40'-0" o.c. (Tape, Type II or Thermoplastic Extrusion) 4" White Guide Lines (Tape, Type III or \_\_\_\_\_ Thermoplastic Extrusion) Transverse Median Marking (Tape, Type II or Thermoplastic Extrusion) Transverse Shoulder Marking (Tape, Type II or Thermoplastic Extrusion) Channelizing Island or Deceleration Lane Gore (Tape, Type II or Thermoplastic Extrusion) Crosswalk and Stop Line. All Stop Lines shall be 10'-0" from Crosswalk unless otherwise noted. The circled number indicates the number of lanes for payment. (Tape, Type III or Thermoplastic Extrusion) Pavement Arrow (Tape, Type III or Thermoplastic Extrusion) Pavement Word (Tape, Type III or Thermoplastic Extrusion) 4 Each Type J Raised Pavement Markers Type D Raised Pavement Markers @ 40'-0" o.c. Type H Raised Pavement Markers (Reflective Surface facing no-passing direction) — 4" Single Solid Yellow Stripe (Tape, Type I or Thermoplastic Extrusion) Extension of Edge Line, 4" Wide x 2'-0" Long White

Stripe @ 10'-0" o.c. w/Type C Markers @ 40'-0" o.c.

(Tape, Type III or Thermoplastic Extrusion)

All "skip" lane lines were upgrades to 4" width,

M NOTES

4" width, 10' Extrusion Thermoplastic "skip" line installed in locations with centerline milled rumble strip (indicated in these drawings)

1. Layout of pavement markings and striping shall be done by the Contractor and approved by the Engineer prior to any installation work.

2. Existing pavement markings not incorporated in the final traffic pattern shall be removed as directed by the Engineer. Costs shall be incidental to the various

3. Raised pavement markers shall not be installed within crosswalks.

pavement marking items.

4. Final locations of all signs shall be approved by the Engineer prior to any installation work.

5. Existing signs not shown on these plans shall remain as posted unless otherwise directed by the Engineer. Removal and disposal of existing signs and/or posts as designated on these plans shall be incidental to the various signing items.

6. Final locations of all Stop Lines shall be approved by the Engineer prior to installation.

7. All pavement striping shall be as noted on the Legend or plans.

8. All preformed pavement marking tapes over existing pavement shall be applied with an approved primer as recommended by the tape manufacturer and as approved by the Engineer. The primer shall be allowed to dry to the tacky stage prior to tape application.

9. Backing for all new Regulatory and Warning Signs shall not be spliced.

10. Interstate Route Marker Symbols shall conform to details shown on the plans and as specified in the MUTCD.

11. All sign panels shall conform to Section 621 of Special Provisions and the latest editions and amendments of the following FHWA publications:

a. "Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD)

b. "Standard Highway Signs"

c. "Standard Alphabets for Highway Signs"

12. Borders, messages, arrows, symbols and shields shall conform to details as shown on the plans and as specified in the MUTCD.

13. Sign messages shall be as indicated on the plan.

14. All panels shall be reflectorized in accordance with Section 712.20 of the Standard Specifications. Minimum width of panels shall be 2 ft. abutting edges of panels shall be in only one direction if vertical abutting edges are used, no horizontal abutting edges shall be allowed and vice versa.

15. All new and relocated signs and markers installed on pipe posts, light standard or expressway sign post are to be mounted with band brackets and steel braces.

16. Removal of Existing Delineators and Posts shall be considered incidental to the various signing items.

17. Install Type II object marker on all utility poles or trees that are within the State highway right of way and within 30 feet of the roadway edge of pavement shall be marked as directed by the Engineer.

19. Dept. of Transportation Services, City & County of Honolulu, will assist the Engineer in construction inspection for the loop detector work.

20. The exact locations of the new loop detectors shall be determined in the field by the Engineer.

21. Loop detectors damaged during the Contractor's reconstruction of pavement areas or cold planing operation, shall be replaced within 48 hours. Replacement and location of the new loop detectors shall be as directed by the Engineer.

REFLECTOR MARKER LEGEND

FED. ROAD STATE FED. AID PROJ. NO. FISCAL SHEET NO. SHEETS

HAWAII HAW. STP 0750(8) 1993 14 26

HSIP-0300(155) WO9

RM-1 Reflector Marker w/Steel Post
RM-1 Reflector Marker w/Flexible Post

Type II Object Warker w/Steel Post

Type II Object Marker w/Steel Post

Type II Object Marker w/Flexible Post

Edge Line

Median Stripe

—Type A Pav't Markers (Typ.)

Direction of Traffic

Paved Shoulder

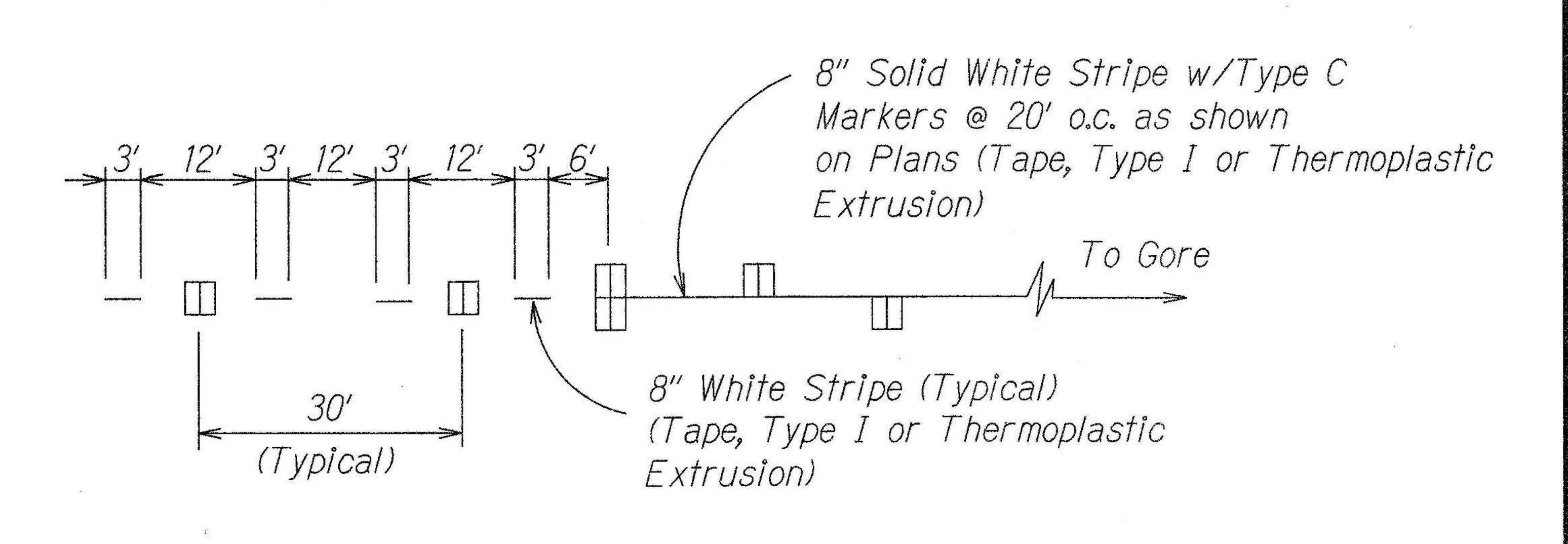
3'-0"

Typical

1. Rumble Strip will be paid under Type A Pav't Markers.
2. See Pav't Marking Plans for location.

## TYPICAL RUMBLE STRIP DETAIL

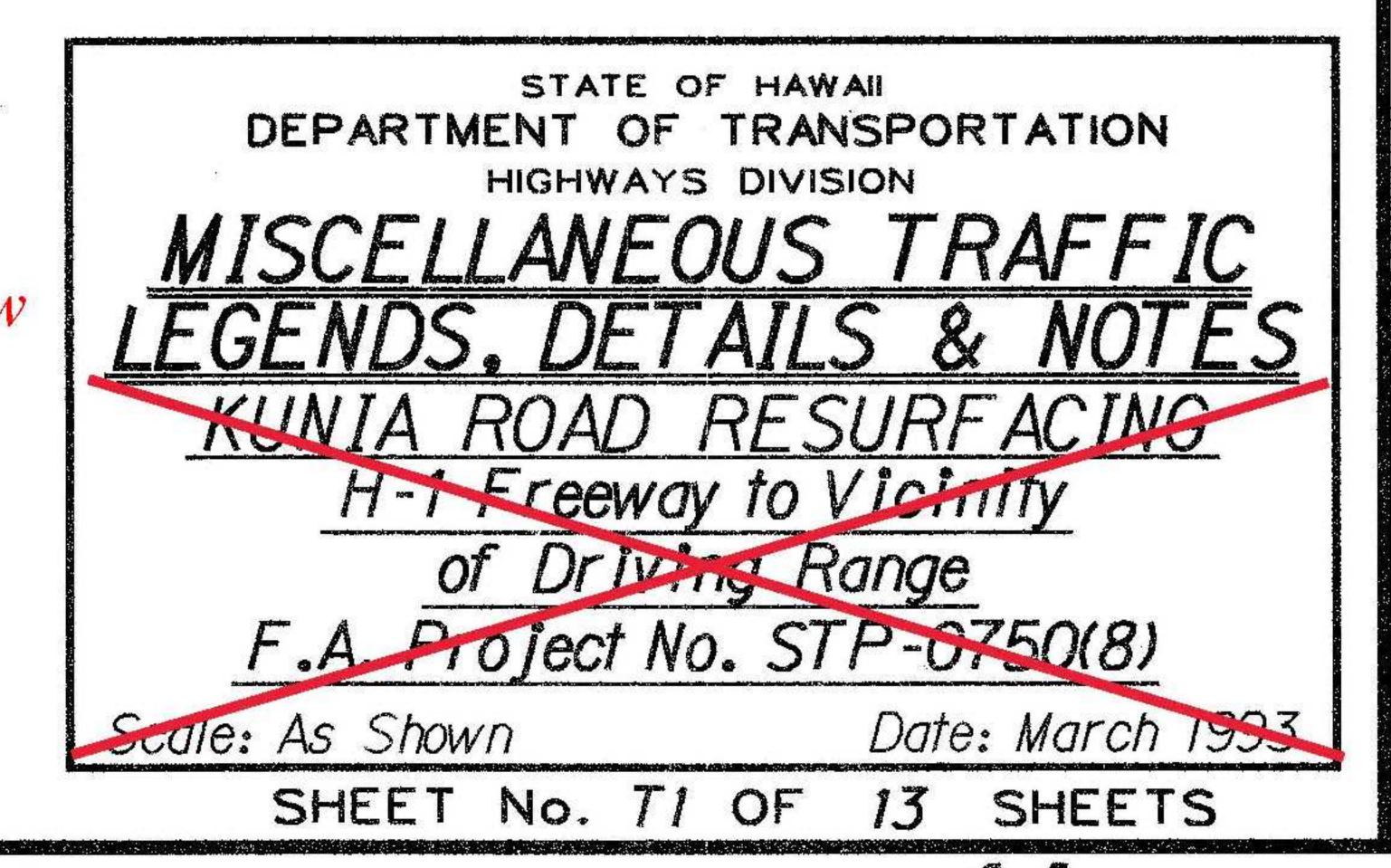
Scale: 1"=4'-0"



## LANE DROP MARKING

Not to Scale

Installation of Enhanced Pavement Marking and New
Milled Rumble Strip at Various Locations
Work Order 9 Rte 750 Kunia Road
H-1 Freeway to Wilikina Drive
F.A. Project No. HSIP-0300(155)



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