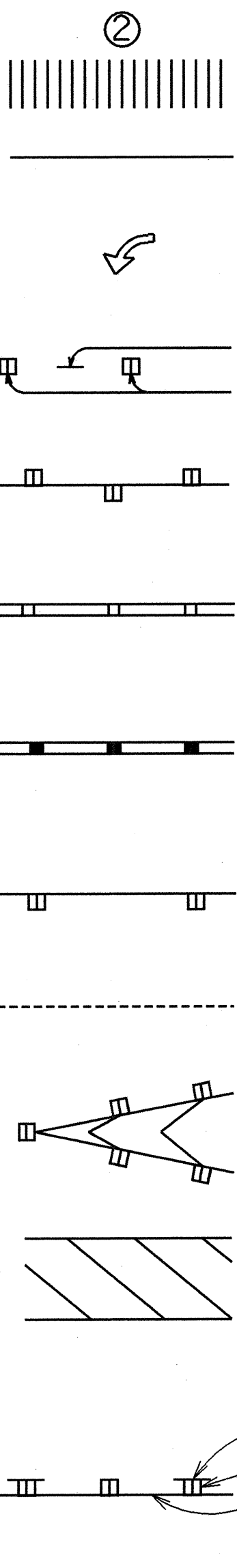


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	19J-01-02	2004	30	40

LEGEND



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 (Thermoplastic Extrusion)

Pavement Arrow (Thermoplastic Extrusion)

4 each Type A Raised Pavement Markers  
Type C Raised Pavement Markers @ 40'-0" o.c.

8" White Stripe with Type C Raised Pavement Markers @ 20'-0" o.c. (Thermoplastic Extrusion)

4" Double Solid Yellow with Type D Raised Pavement Markers @ 20'-0" o.c. (Thermoplastic Extrusion)

4" Double Solid Yellow Stripes with Type H Raised Pavement Markers @ 20'-0" o.c. (Thermoplastic Extrusion)

4" or 8" White Edge Stripe with Type C Raised Pavement Markers @ 40'-0" o.c. (Thermoplastic Extrusion)

4" White Guide Lines (Thermoplastic Extrusion except for bus bays)

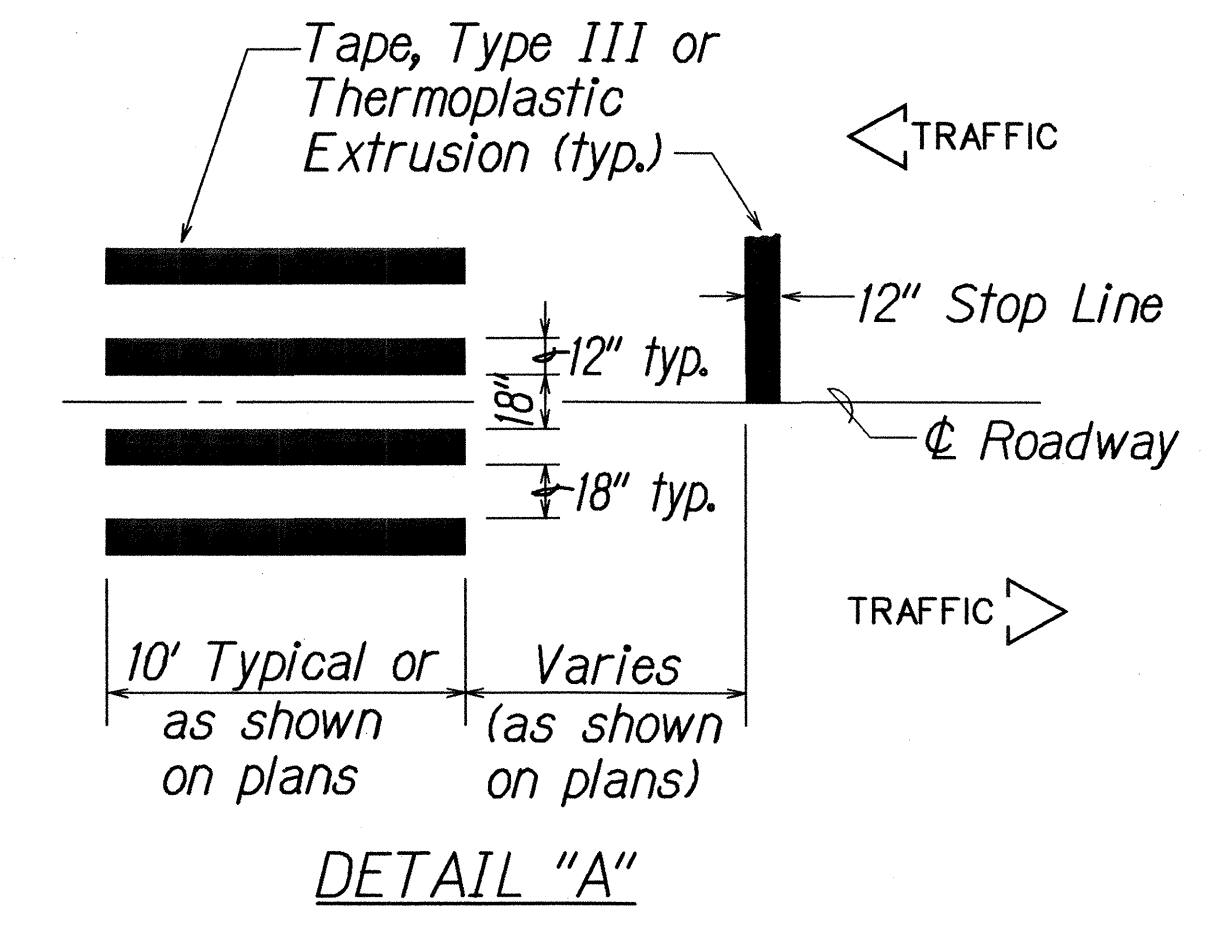
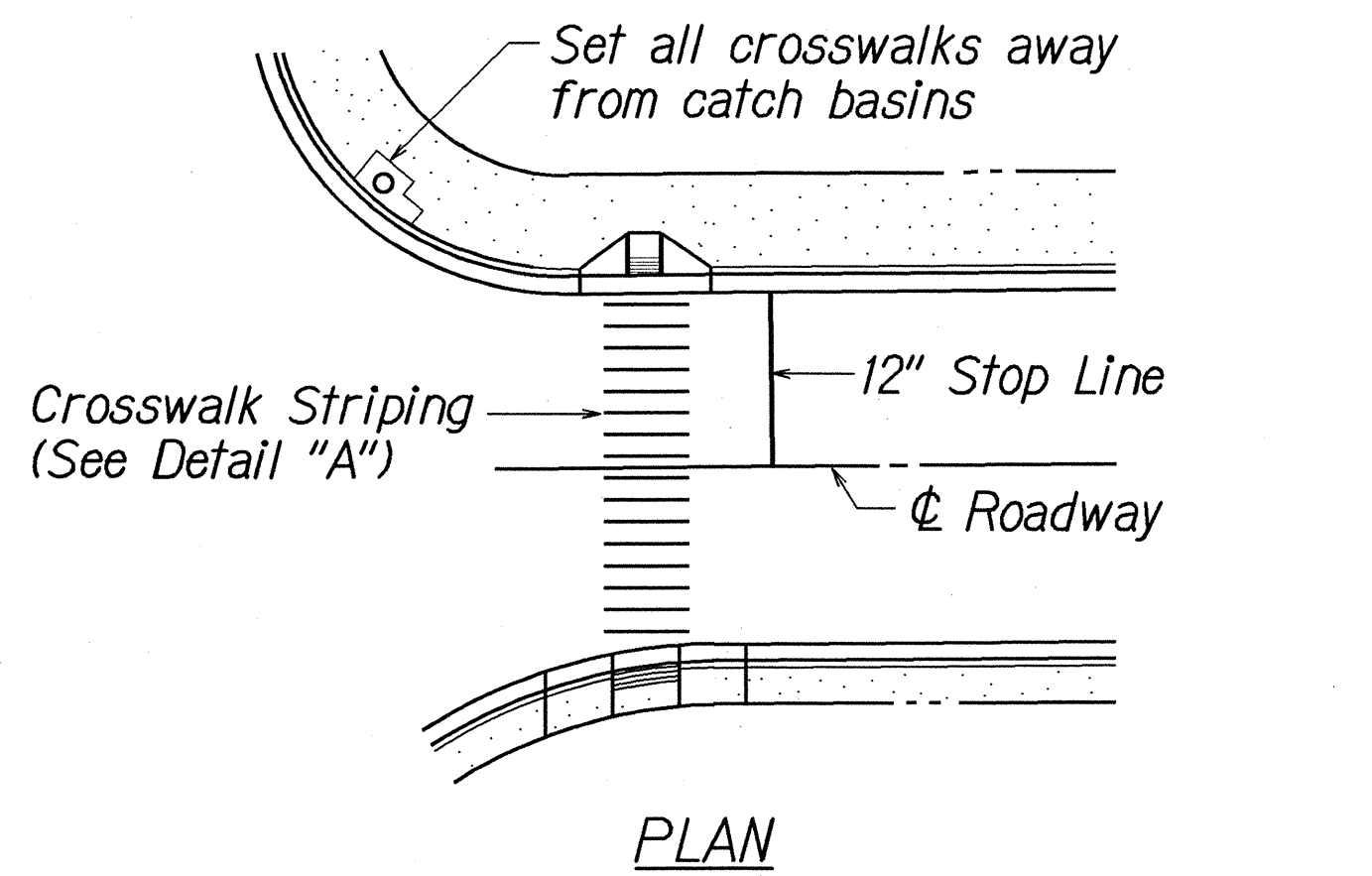
Channelizing Island or Deceleration Lane Gore (Thermoplastic Extrusion)

Transverse Median Marking (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 Extrusion)

NOTES

- Layout of pavement markings and striping shall be done by the Contractor and approved by the Engineer prior to any installation work.
- 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 pavement marking items.
- Raised pavement markers shall not be installed within crosswalks.
- Final locations of all signs shall be approved by the Engineer prior to any installation work.
- All pavement striping shall be as noted on the legend or plans.
- All preformed pavement marking tapes over existing pavement shall be applied with an approved primer as recommended by the tape manufacturer and as directed by the Engineer. The primer shall be allowed to dry to the tacky stage prior to tape application.
- 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.
- Existing signs that are to be replaced, shall not be removed until new signs are installed as replacements, or the messages are no longer necessary.
- Backing for all Regulatory and Warning signs shall not be spliced.
- All signs shall conform to Section 621 of the Special Provisions and the latest editions and ammendments of the following FHWA publications:
  - "Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD)
  - "Standard Highway Signs."
  - "Standard Alphabets for Highway Signs"
- Borders, messages, arrows, symbols and shields shall conform to details as shown on the plans and as specified in the MUTCD.
- Signs messages shall be as indicated on the plan.
- 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 are to be used, no horizontal abutting edges shall be allowed and vice versa.
- Removing and reinstalling existing Street Name Signs on Regulatory and Warning Sign Post shall not be paid for separately, but shall be considered incidental to the various contract items.
- 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 as directed by the Engineer.
- Final locations of all Stop Lines shall be approved by the Engineer prior to installation.
- All existing and new sign posts shall be painted with yellow reflective paint. Such paint work shall be considered incidental to the various sign items.



CROSSWALK STRIPING DETAIL  
Not to Scale

PAVEMENT MARKINGS

- Type "A" Non-Reflective White marker
- Type "C" Red Clear RPM
- Type "D" Two-way Yellow RPM
- Type "H" One-way Yellow RPM

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
DATE	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

PAVEMENT MARKING LEGEND  
AND NOTES

Hawaii Belt Road  
Traffic Operational Improvements  
At Kulaimano Road  
Project No. 19J-01-02

Scale: As Shown  
Date: Feb. 2003

SHEET No. 71 OF 6 SHEETS