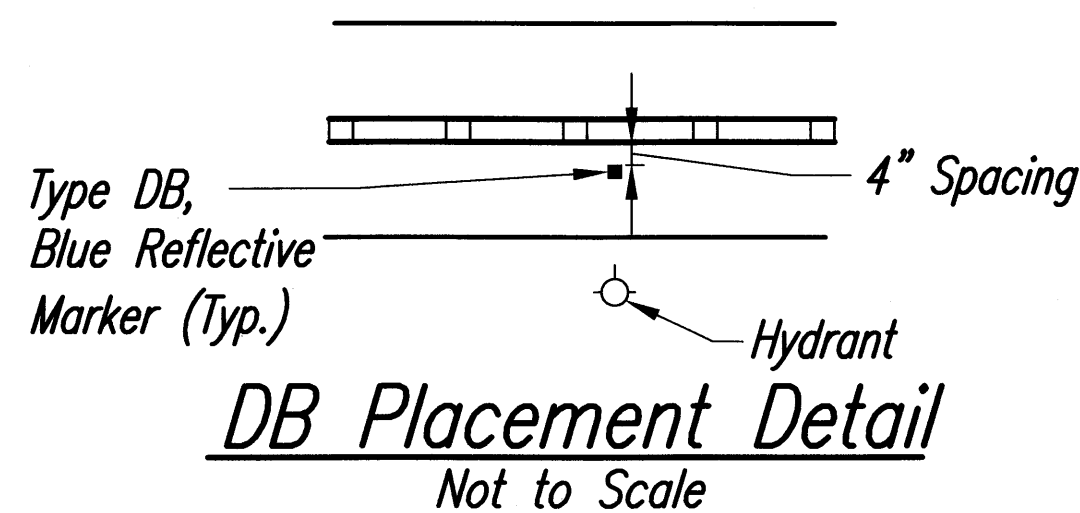
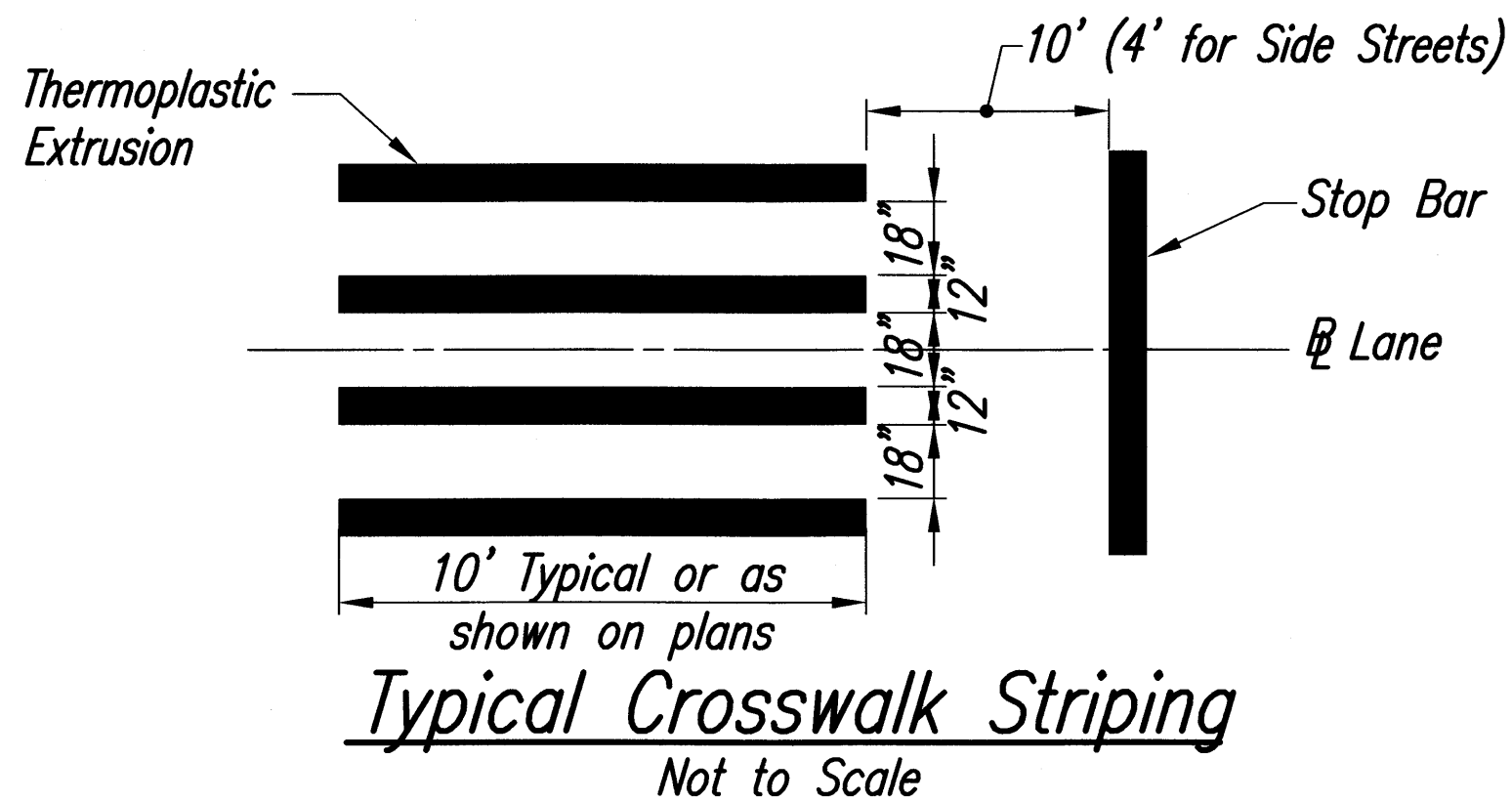
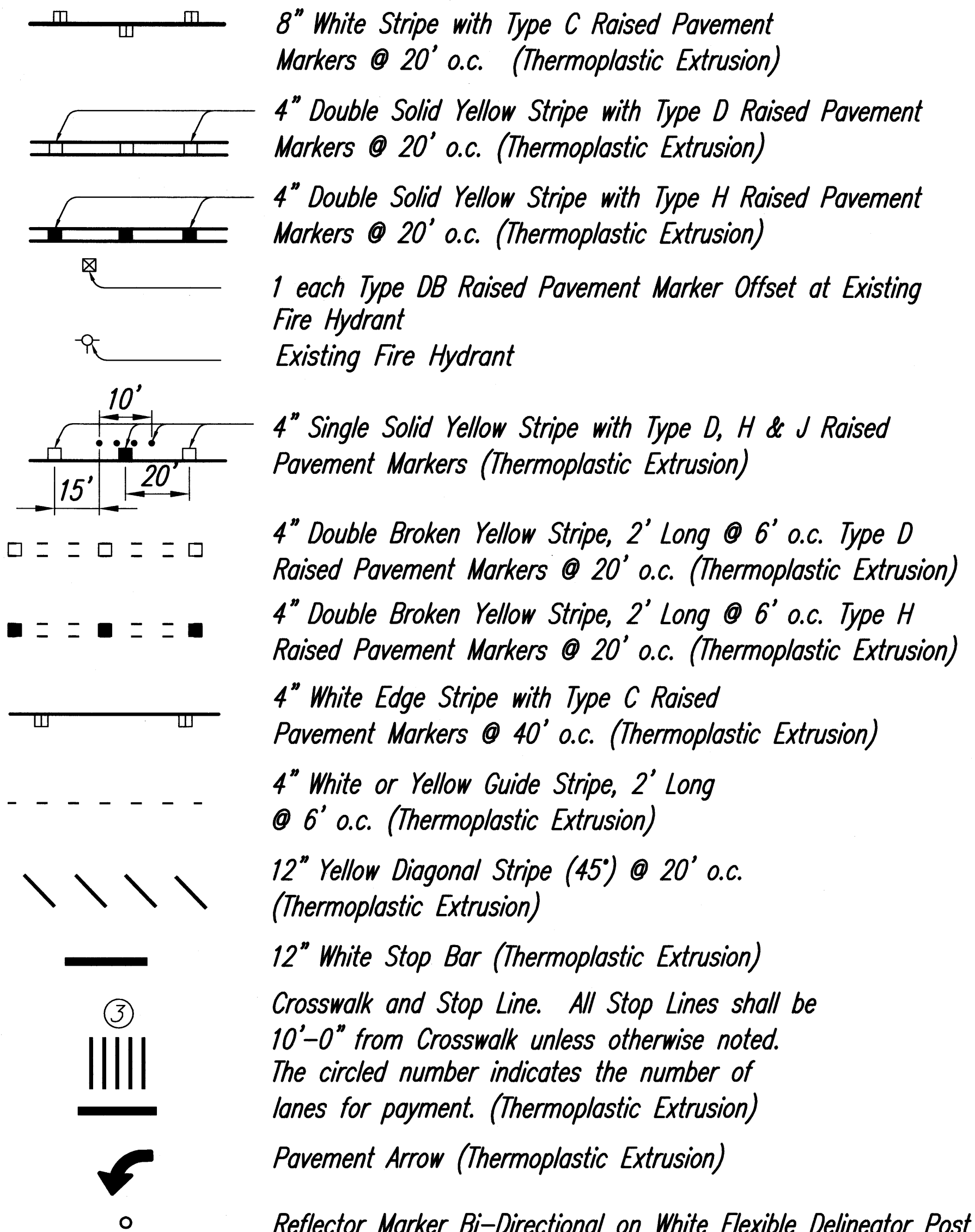


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HS-STP-011-2(38)	2010	91	141

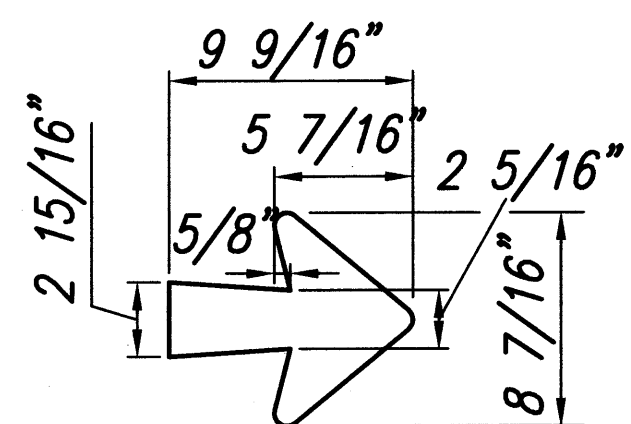
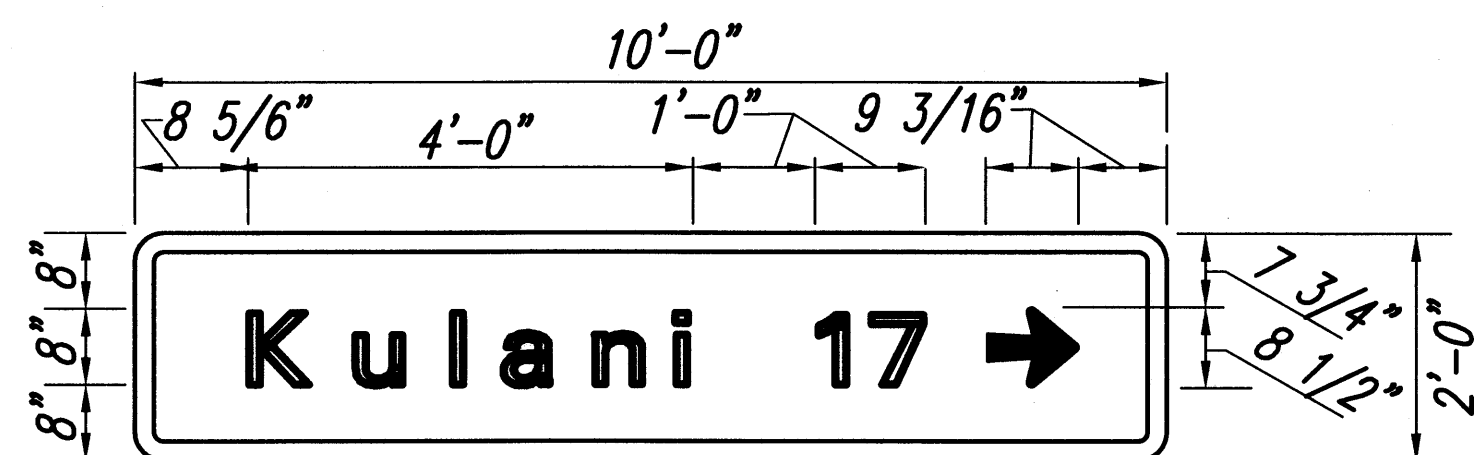
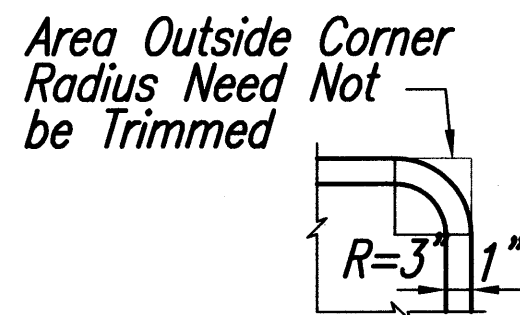
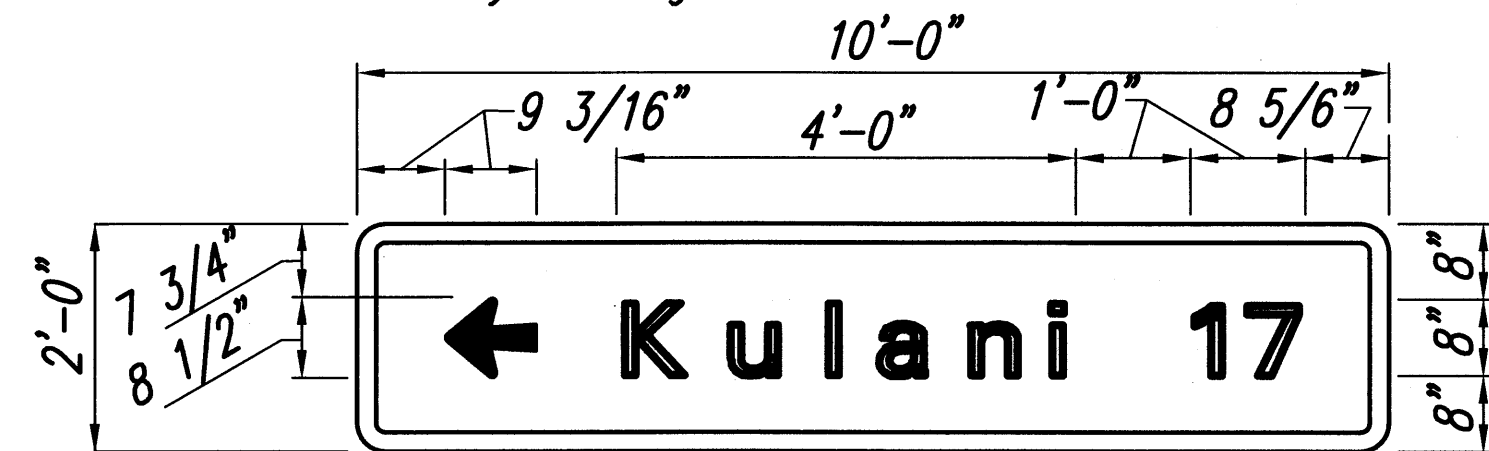
LEGEND



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.
- 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 new regulatory and warning signs shall not be spliced.
- All sign panels shall conform to Section 750.01 of Standard Specifications and the latest editions and amendments of the following FHWA publications:
 - "Manual on Uniform Traffic Control Devices for Streets and Highways" (M.U.T.C.D.)
 - "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 M.U.T.C.D.
- Sign messages shall be as indicated on the plan.
- All panels shall be reflectorized in accordance with Section 750.01 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.
- All new and relocated signs and markers installed on pipe posts or light standard are to be mounted on new square tubes with band brackets and steel braces.
- 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.
- Removal of existing delineators and posts, as directed by the Engineer or shown on the plans, shall be considered incidental to the various signing items.
- Sign posts shall be square tubes posts (2" or 2 1/2") unless shown on these plans or directed by Engineer.

- 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.
- 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 signing items.
- Install new Type II Object Markers 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.
- The contractor shall notify the Dept. of Public Works, County of Hawaii, 2 weeks prior to commencing any loop detector work.
- Dept. of Public Works, County of Hawaii, will assist the Engineer in construction inspection for the loop detector work.
- The exact locations of the new loop detectors shall be determined in the field by the Engineer.



Arrow Detail
Not to Scale



LICENSE EXPIRES 4/30/12

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

[Signature]

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNAGE & PAVEMENT MARKING
LEGEND AND NOTES
Volcano Road Intersection and
Drainage Improvements
Federal-Aid Project No. HS-STP-011-2(38)

Scale: Not to Scale Date: November 2010

SHEET No. 1 OF 1 SHEETS