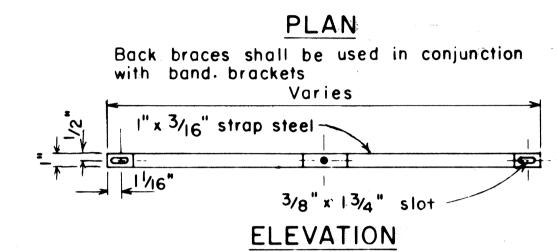


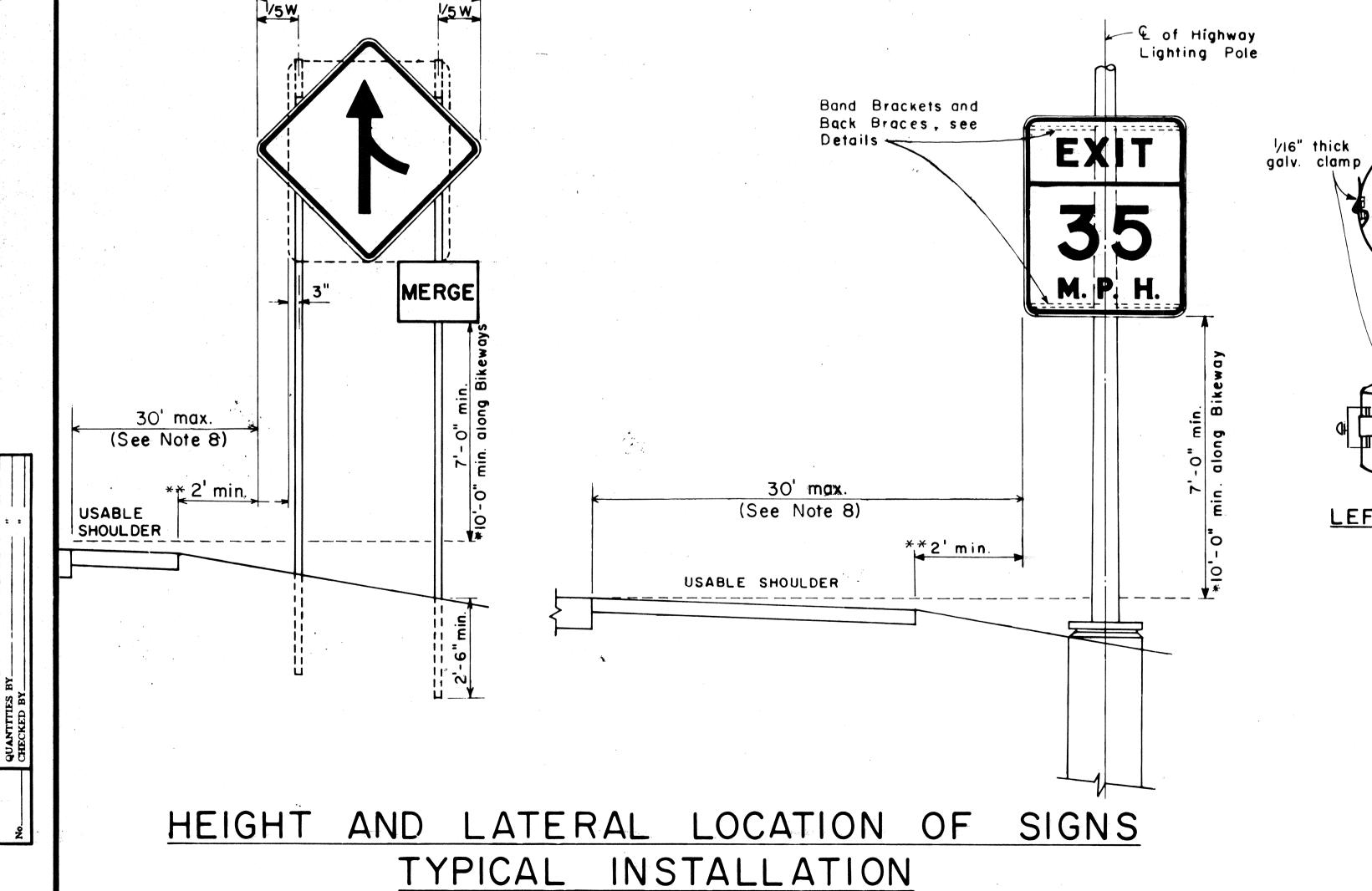
O" min

2' min __2' min.



BACK BRACE DETAILS FOR BALANCED SIGN INSTALLATION

- b. Signs larger than 28 sq. ft. in area shall be mounted with a minimum of three sets of band brackets and back braces.
- 4. All parking restriction signs with arrows shall be mounted 45° to the line of traffic flow.
- 5. Sign posts shall extend $3\frac{1}{2}$ above each sign, where required, for attachment of City and County street name signs.
- 6. (R) or (L) indicates right or left and shall be shown on the plans.
- * 7. See plans for special details.
- * * 8. The minimum lateral distances shown are guidelines and shall be exceeded whenever possible. The Contractor shall place signs at the maximum practical lateral distance from the edge of the traveled way up to 30 feet and shall utilize protected locations whenever possible. Final locations of all signs shall be approved by the Engineer.
- 9. Signs in medians shall be placed at midpoint of median up to a maximum distance of 30 feet from the edge of traveled way. When appropriate, signs for opposing directions shall be placed back to back.



USABLE SHOULDER

* * 2' min.

Unmountable curbs

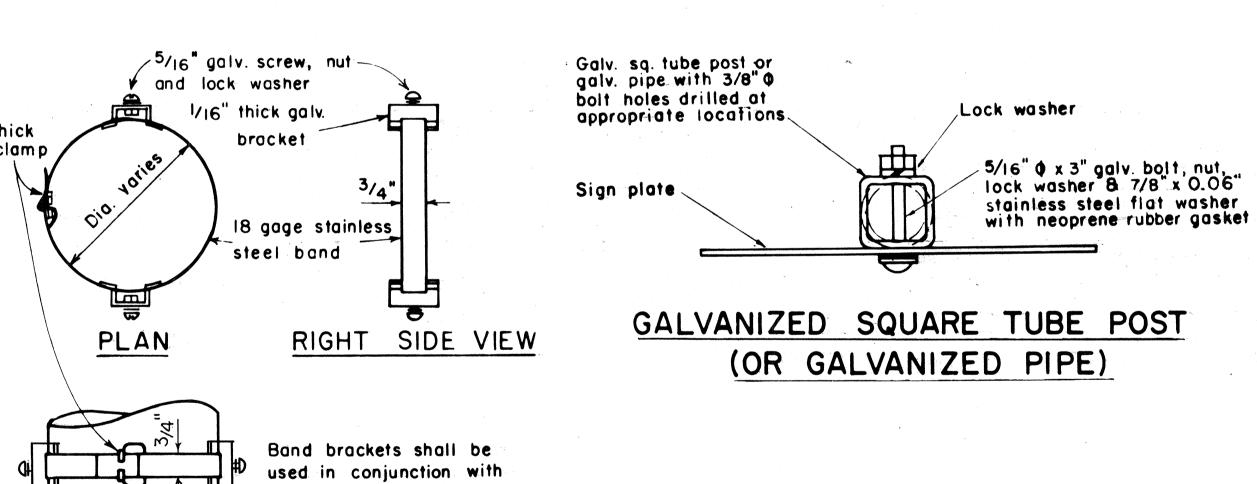
welded)

H-E . TRANSPE FAFER

3/8" x 12" steel bar

(attached through

hole in post and



BAND BRACKET

LEFT SIDE VIEW

back braces

TYPICAL MOUNTING DETAILS

NOT TO SCALE

NO.	REVISION	APPROVED BY	DATE
I	Supercedes Sht. DT-100 approved 12/30/69	H.T.	11/15/17
2	Revised depth of signpost	H.P.	5/8/19
3	Added Notes No. 8 & No. 9	H.P.	5/18/19
4	Revised Gen. Note #4 8 Mounting Details	H.T.	4/23/80
5	Revised General Notes, Lateral Sign Locations and Mounting Details	H.T.	5/15/81

APPROVAL RECOMMENDED: TRAFFIC ENGINEER

APPROVED Hurbert & Gal Ei shi ASSISTANT CHIEF, ENGINEERING

> STATE OF HAWAII
> DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

DATE

11/15/11 DATE

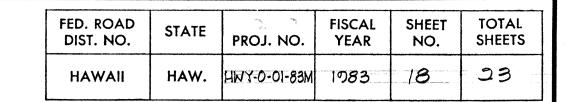
STANDARD DETAILS

MISCELLANEOUS SIGN DETAILS

June, 1977

Not to scale

OF 7 SHEETS DT 100 SHEET NO.





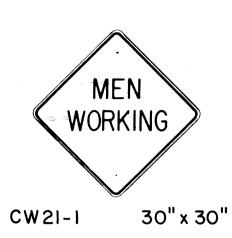








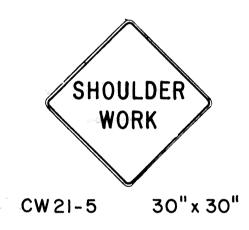


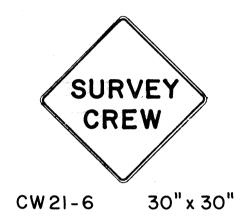




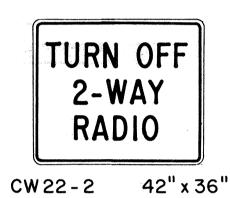










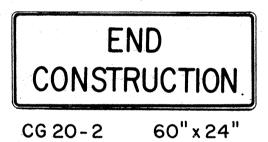


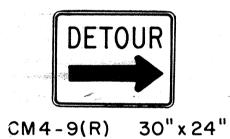




CG 20-1(5) 60" x 36"

48" x 48"

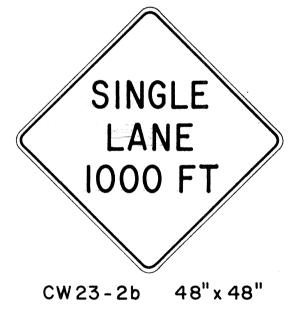














GENERAL NOTES

- I. Sign details shall conform to the FHWA publications "Manual on Uniform Traffic Control Devices for Streets and Highways," 1971, and "Standard Highway Signs," 1972, and as amended.
- 2. All construction signs shall be reflectorized.
- 3. All construction signs shall have 3/8" bolt holes drilled at appropriate locations.
- 4. Numerals in () indicates numerals to be inserted for sign message. (R) or (L) indicates right or left.
- 5. For "CW" series signs, suffixes a,b,c and d are as follows: a-1500 FT, b-1000 FT, c-500 FT and d-AHEAD.

NO.	REVISION	APPROVED BY	DATE
I	Supersedes Sht. DT 104 Approved 12-30-69	H.T.	3/23/12
2	Revised General Note 1	14.1.	10/16/14
3	Revised General Note 2	Mit	9-16-75
4	Revised General Note 2 and sign CG20-1(5)	H.P.	9-16-75

APPROVAL RECOMMENDED Euchi Janake TRAFFIC ENGINEER

3/21/72 DATE

APPROVED: ASSISTANT CHIEF, ENGINEERING

3/23/12

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

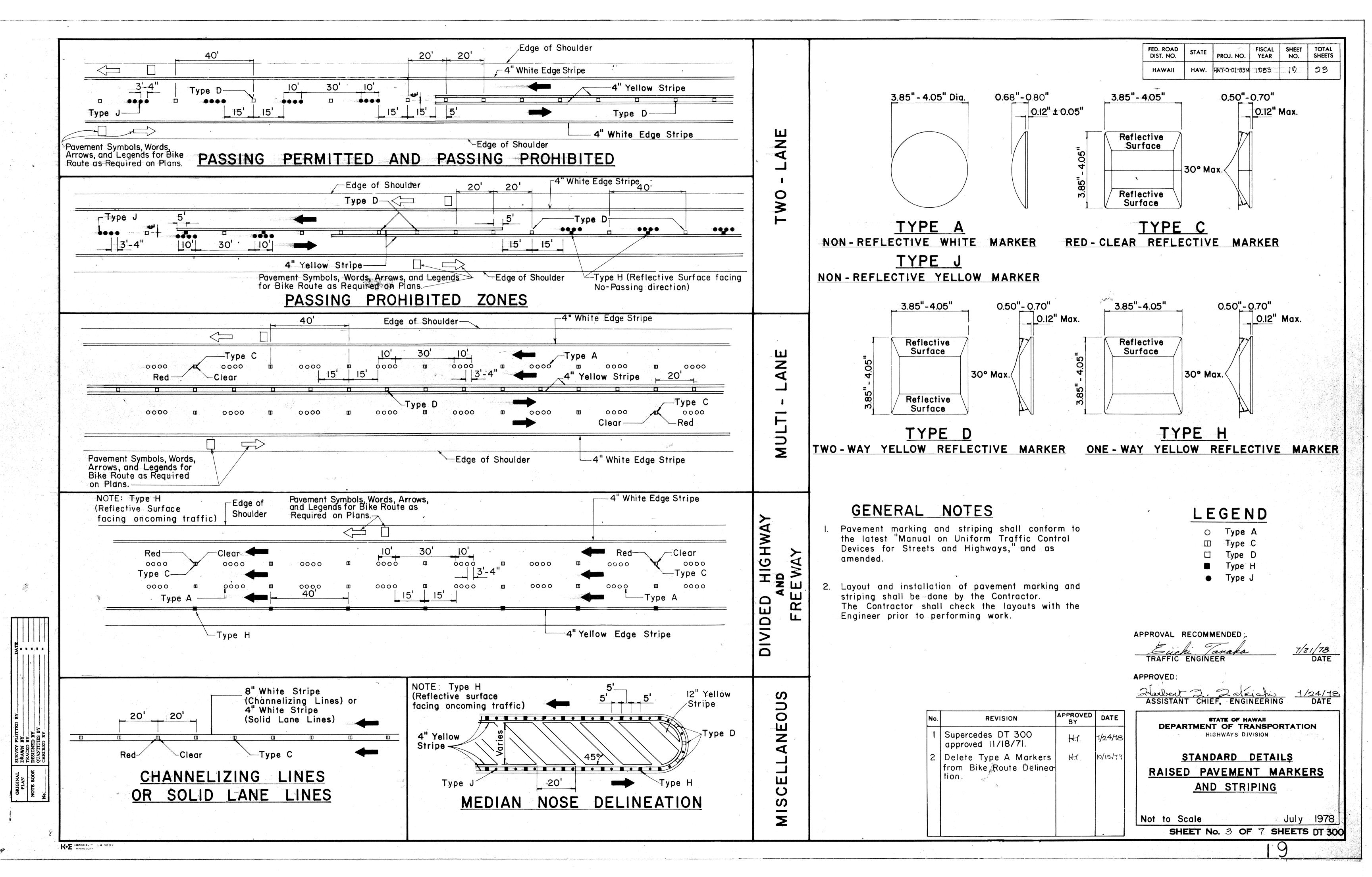
STANDARD DETAILS

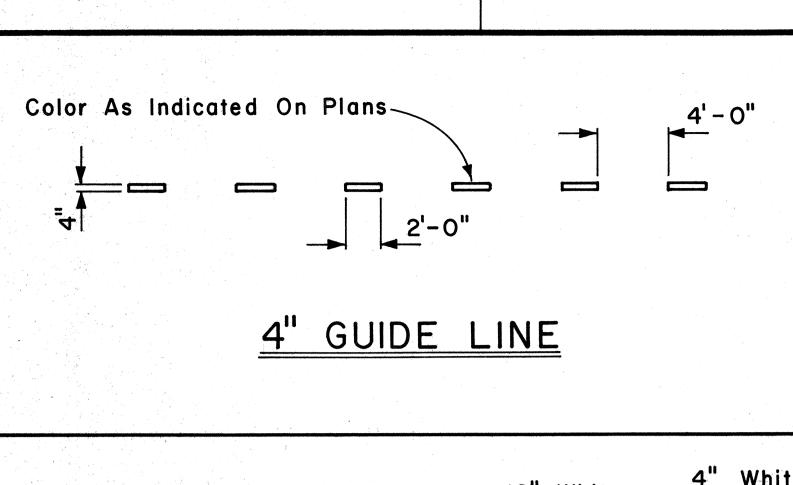
CONSTRUCTION SIGNS

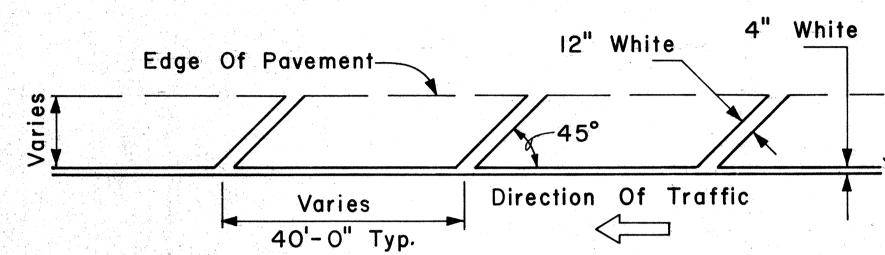
NOT TO SCALE

SHEET No. 2 OF 7 SHEETS DT 104

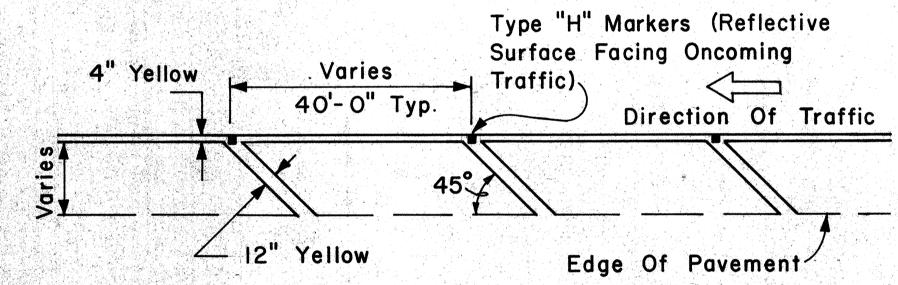
KIE IMPERIALIM LA 3207



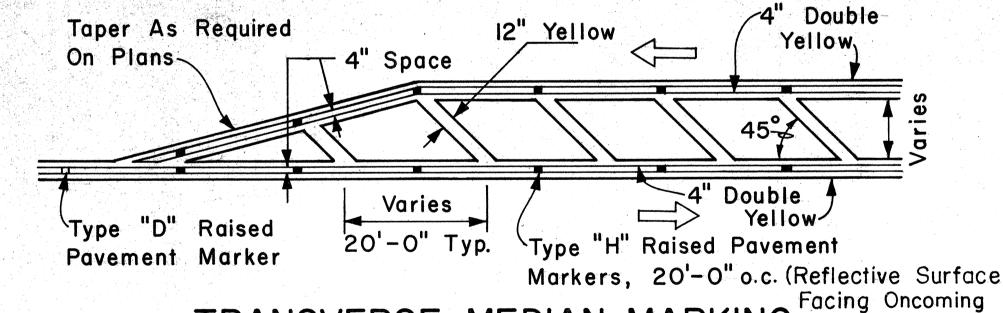




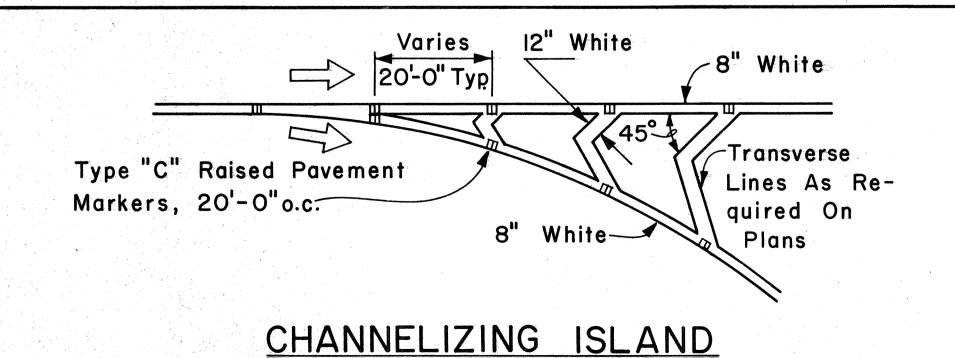
TRANSVERSE RIGHT SHOULDER MARKING

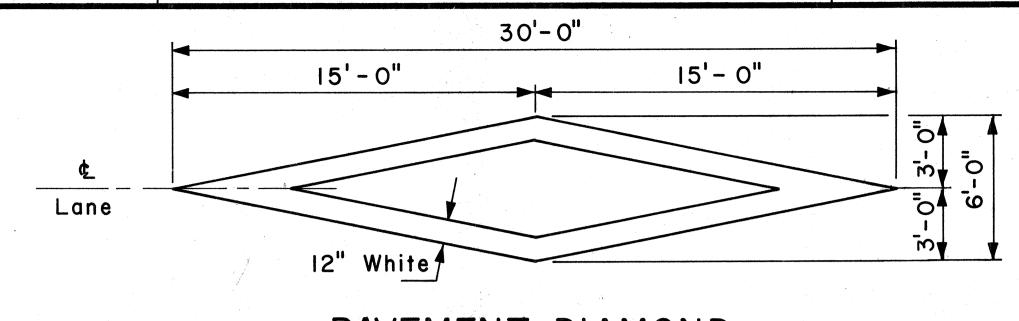


TRANSVERSE LEFT SHOULDER MARKING

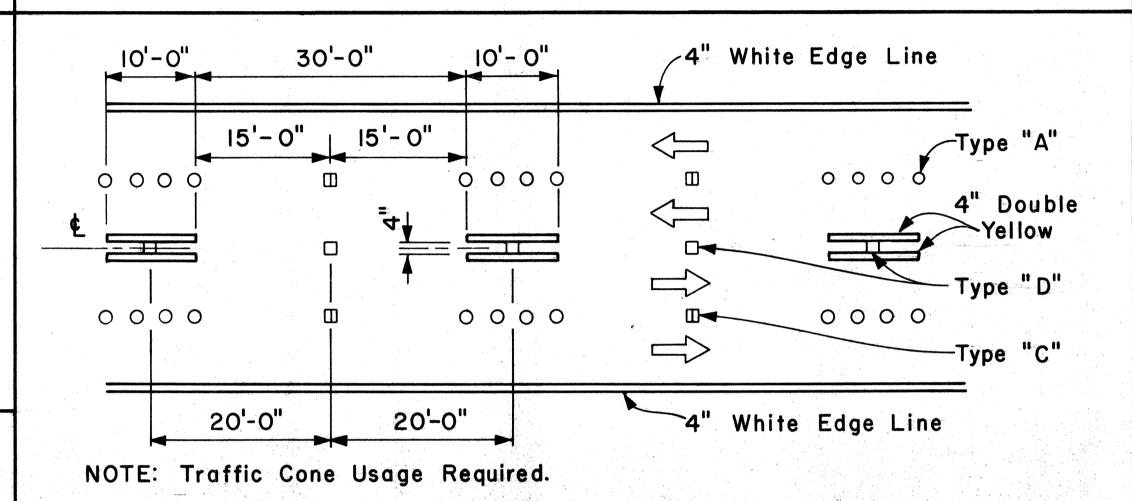


TRANSVERSE MEDIAN MARKING Facing Oncoming Traffic)

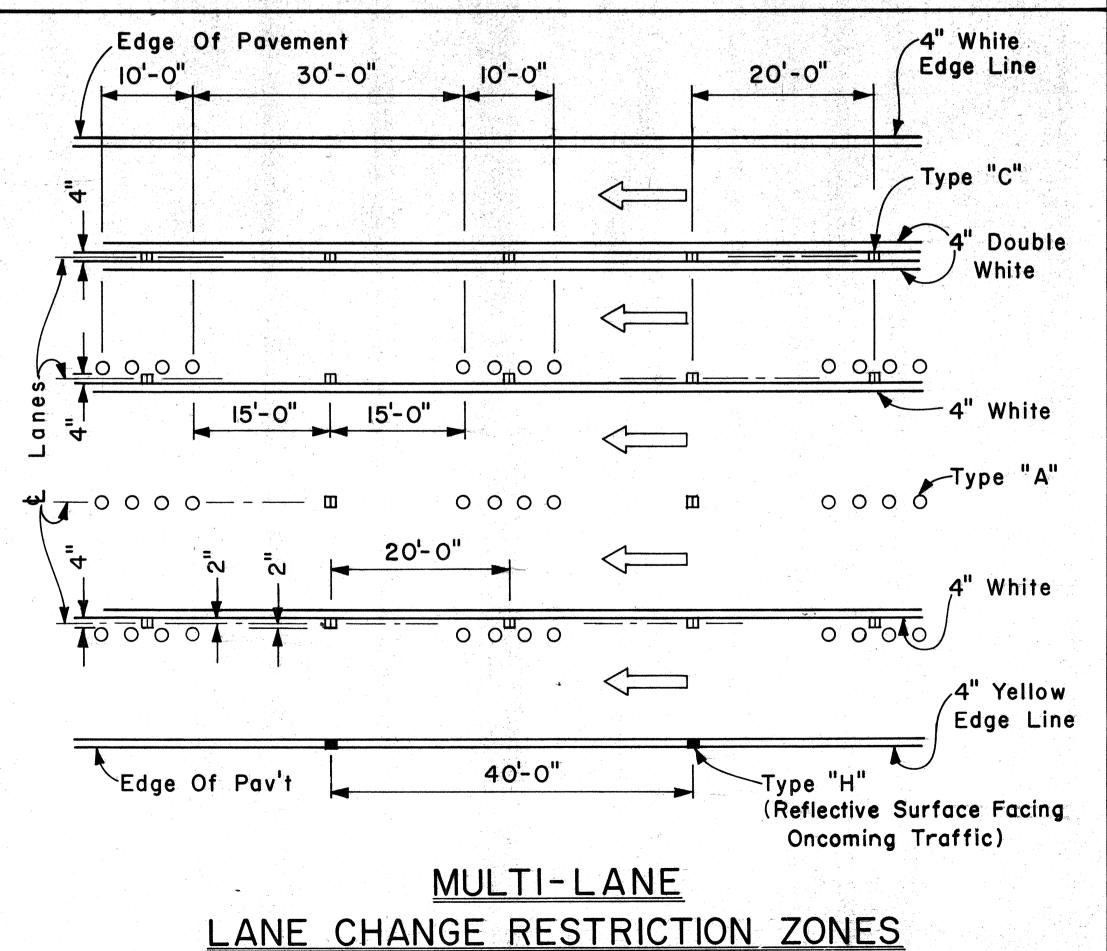


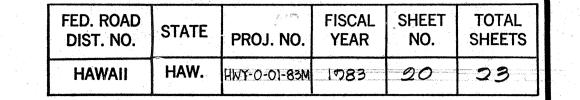


PAVEMENT DIAMOND



MULTI-LANE REVERSIBLE LANES





GENERAL NOTES:

- 1. Pavement marking and striping shall conform to the latest edition of the "Manual on Uniform Traffic Control Devices for Streets and Highways," by the FHWA, and as amended
- 2. Layout of pavement markings and striping shall be done by the Contractor. The Contractor shall check layout of markings and striping with the Engineer prior to performing work.
- 3. For additional pavement marking details, see sheet DT 300.

APPROVAL RECOMMENDED:

Sinchi Tanaka 5/2/78

TRAFFIC ENGINEER DATE

APPROVED:

ASSISTANT CHIEF, ENGINEERING

NO REVISION APPROVED DATE

DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

STANDARD DETAILS

MISCELLANEOUS

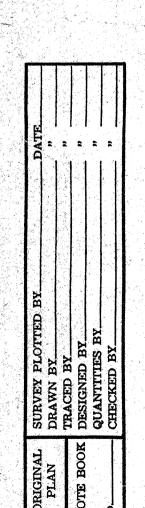
MISCELLANEOUS
PAVEMENT MARKINGS

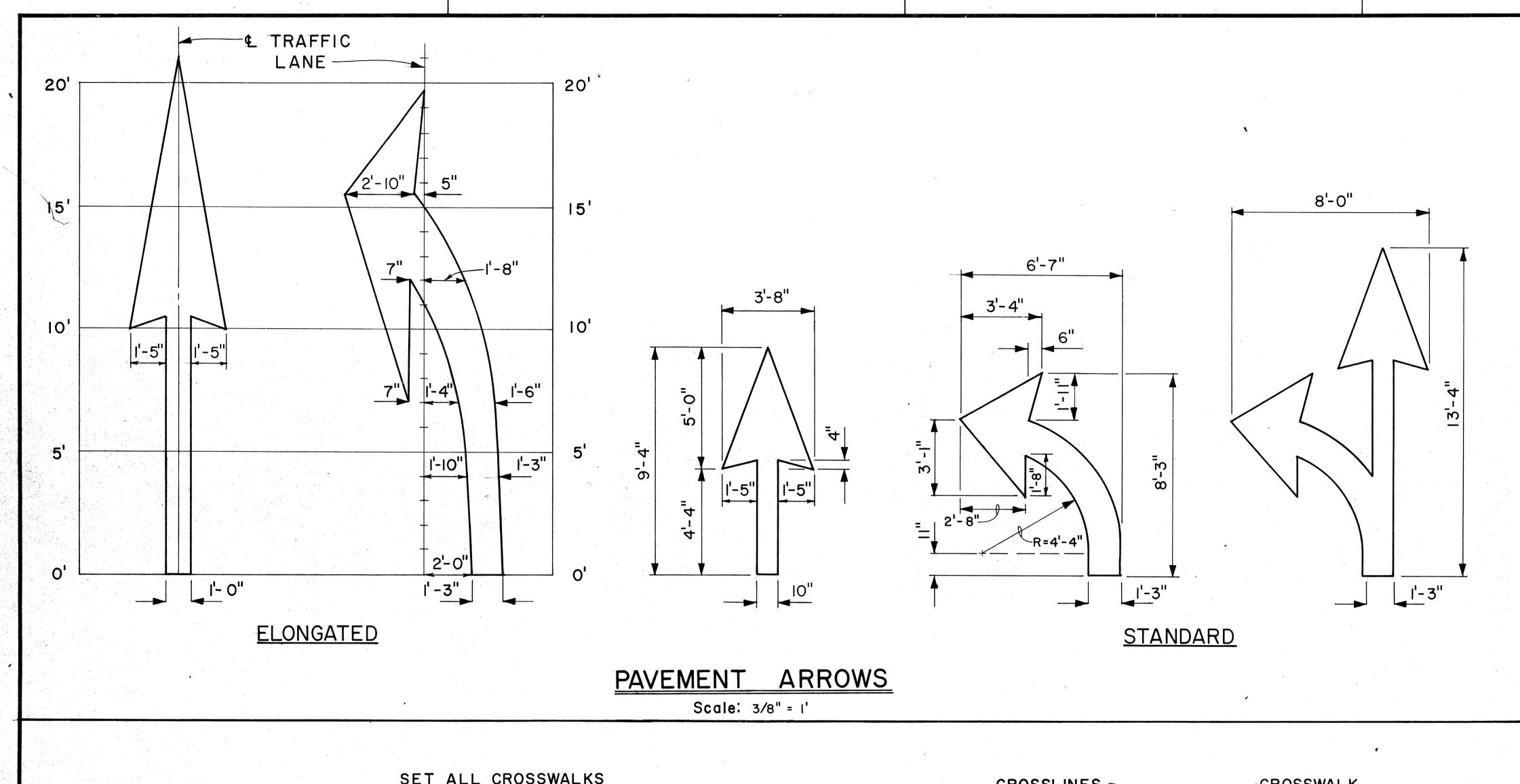
Scale: Not to Scale Date: April, 1978

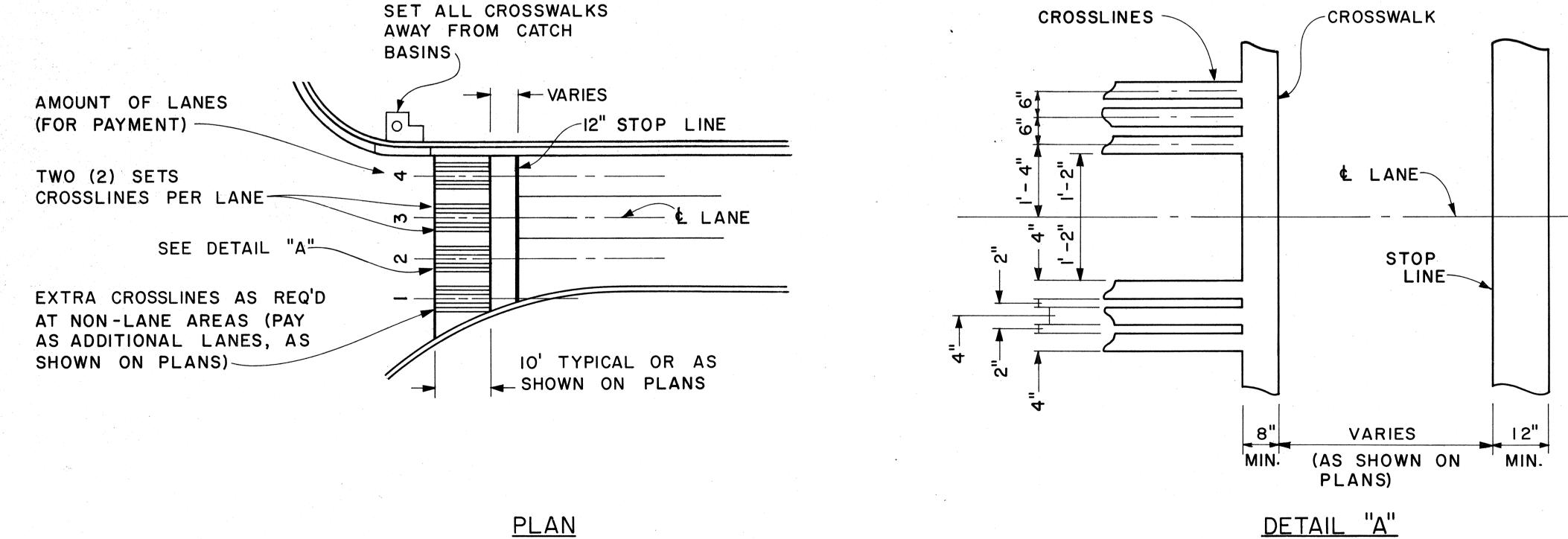
SHEET NO. 4 OF 7 SHEETS DT 302

20

5/3/18 DATE







CROSSWALK & STOP LINE

Scale: Not to Scale

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

HAWAII HAW. HWY-0-01-83M 1983 2/ 23

GENERAL NOTES:

- Pavement marking and striping shall conform to the latest edition of the "Manual on Uniform Traffic Control Devices for Streets and Highways," by the FHWA, and as amended.
- 2. Layout of pavement markings and striping shall be done by the Contractor. The Contractor shall check layout of markings and striping with the Engineer prior to performing work.
- 3. For additional pavement marking details, see sheet DT 300.

5/2/78 DATE

> 5/3/18 DATE

APPROVED:

APPROVED DATE

REVISION

ASSISTANT CHIEF, ENGINEERING

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

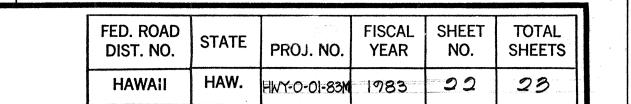
STANDARD DETAILS

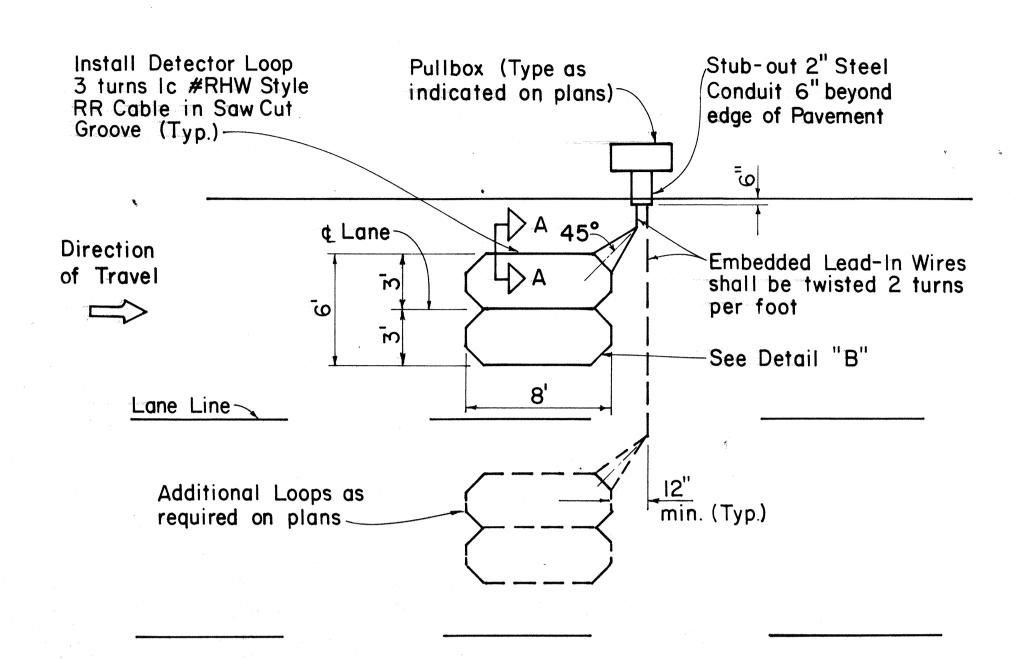
MISCELLANEOUS
PAVEMENT MARKINGS

Scale: As Shown Date: March, 1978

SHEET NO. 5 OF 7 SHEETS DT 306

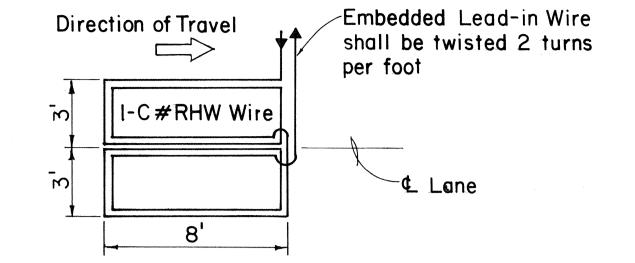
2



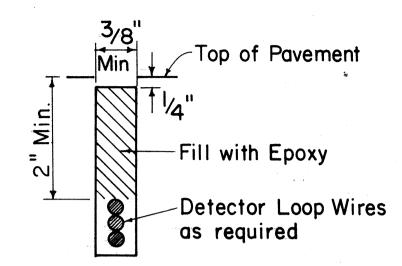


SINGLE LOOP LAYOUT

MULTIPLE

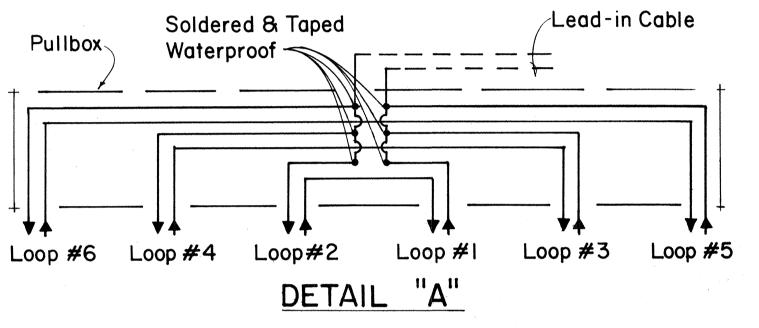


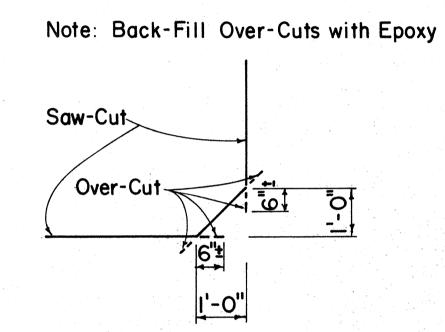
WIRING DIAGRAM



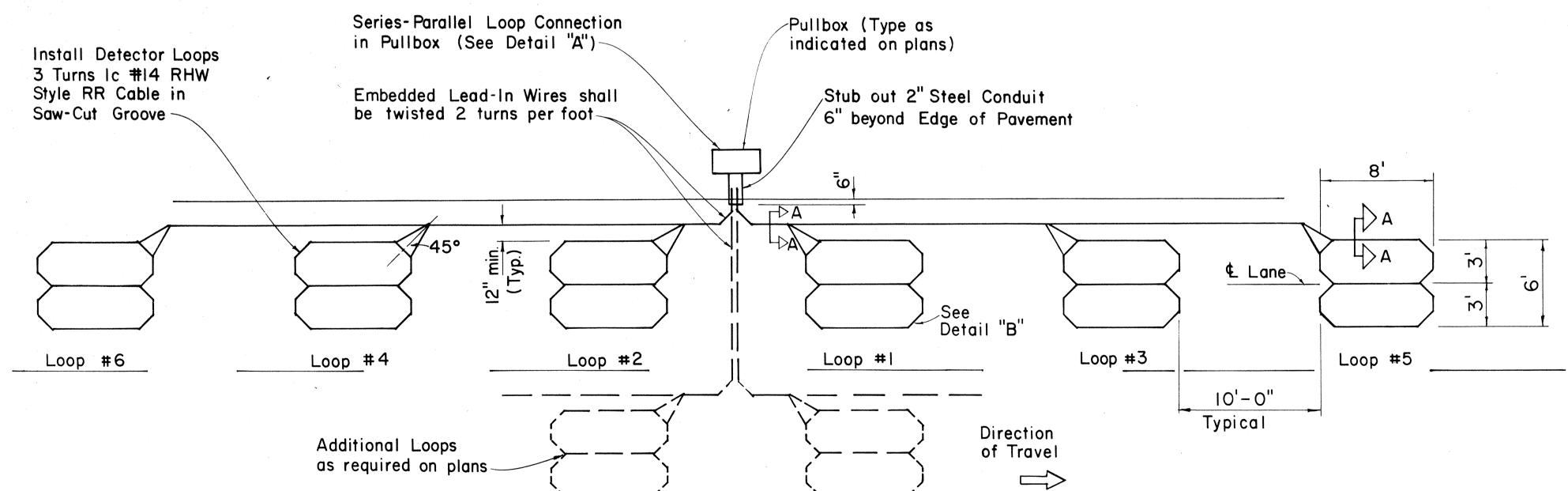
DETECTOR LOOP SAW-CUT

SECTION A-A (TYPICAL)

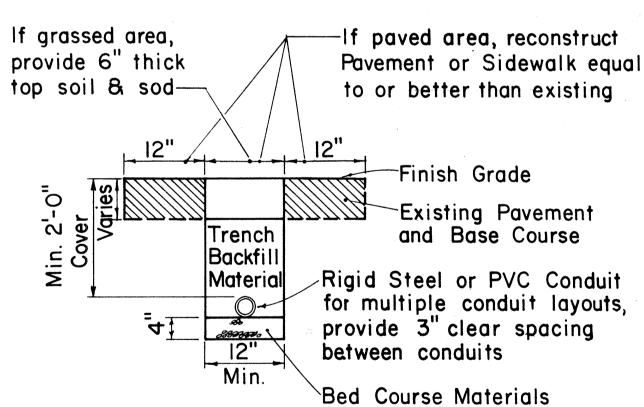




TYPICAL SERIES-PARALLEL LOOP CONNECTION



LOOP LAYOUT



DETAIL "B" SAW-CUT AT CORNERS

APPROVAL RECOMMENDED:

TRAFFIC ENGINEER

TYPICAL TRENCH SECTION FOR CONDUIT

NOTE:

 All conduits under roadways shall be steel or PVC schedule 80. All other conduits shall be steel or PVC schedule 40.

	APPROVED:
	ASSISTANT CHIEF, ENGINEERING
E /2.0	STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
81	STANDARD DETAILS
	LOOP DETECTORS

NO.	REVISION	APPROVED BY	DATE
l	Replaces Sht. DT 405 dated 3/5/76	H.C.	9/30/80 5/15/81
2	Revised Section A-A	H.I.	5/15/81
	·		

OF HAWAII
F TRANSPORTATION YS DIVISION D DETAILS

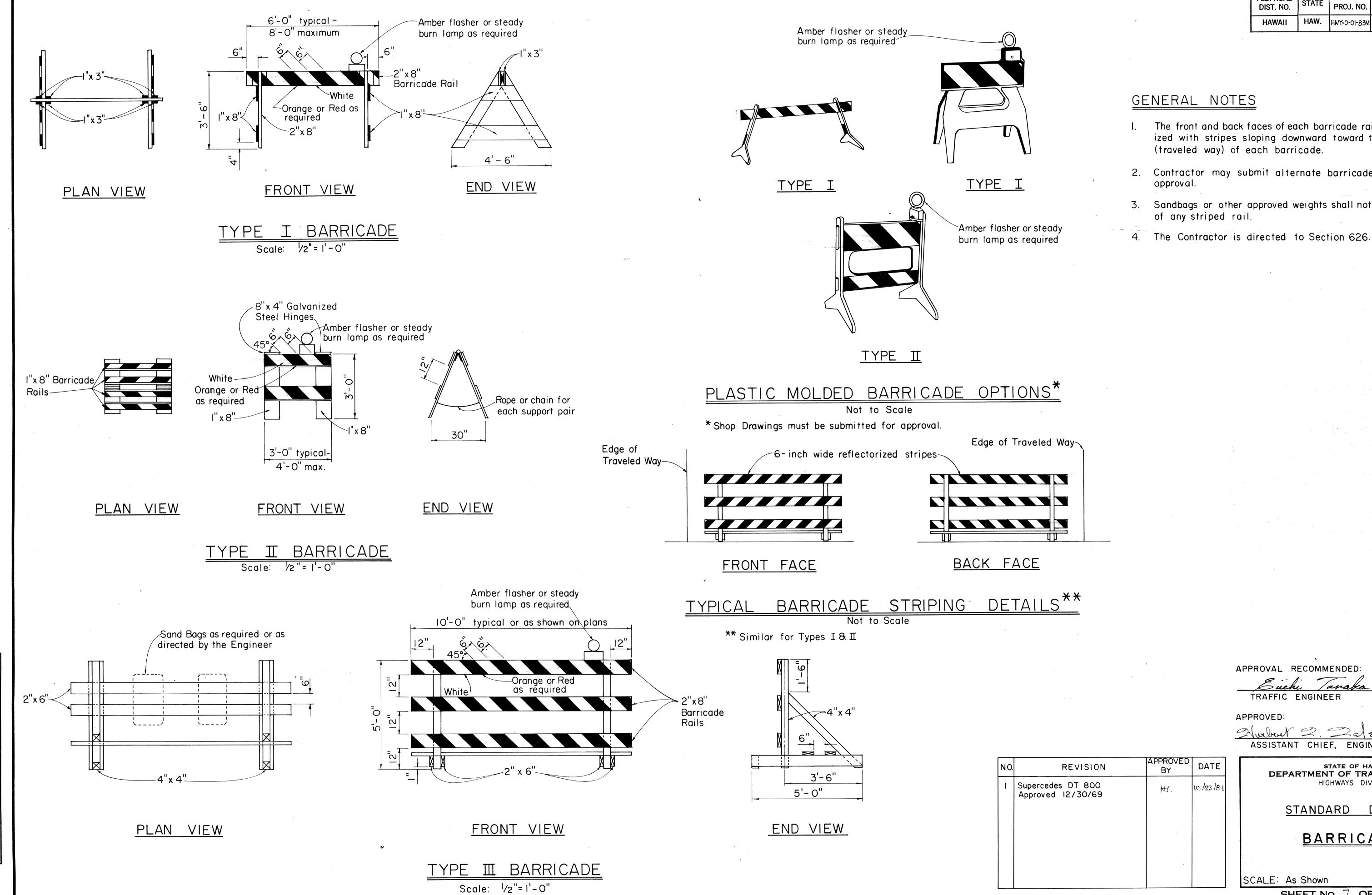
ETECTORS

Not to Scale

SHEET NO. 6 OF 7 SHEETS DT 405

<u>9/26/80</u> DATE

9/30/80 DATE



FED. ROAD DIST. NO. FISCAL SHEET YEAR NO. PROJ. NO. SHEETS 23 HWY-0-01-83M 1983 23

- The front and back faces of each barricade rail shall be reflectorized with stripes sloping downward toward the same side
- 2. Contractor may submit alternate barricade designs for
- 3. Sandbags or other approved weights shall not be placed on top

10/21/81 DATE

ASSISTANT CHIEF, ENGINEERING

10/23/81 DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STANDARD DETAILS

BARRICADES

SHEET NO. 7 OF 7 SHEETS DT 800