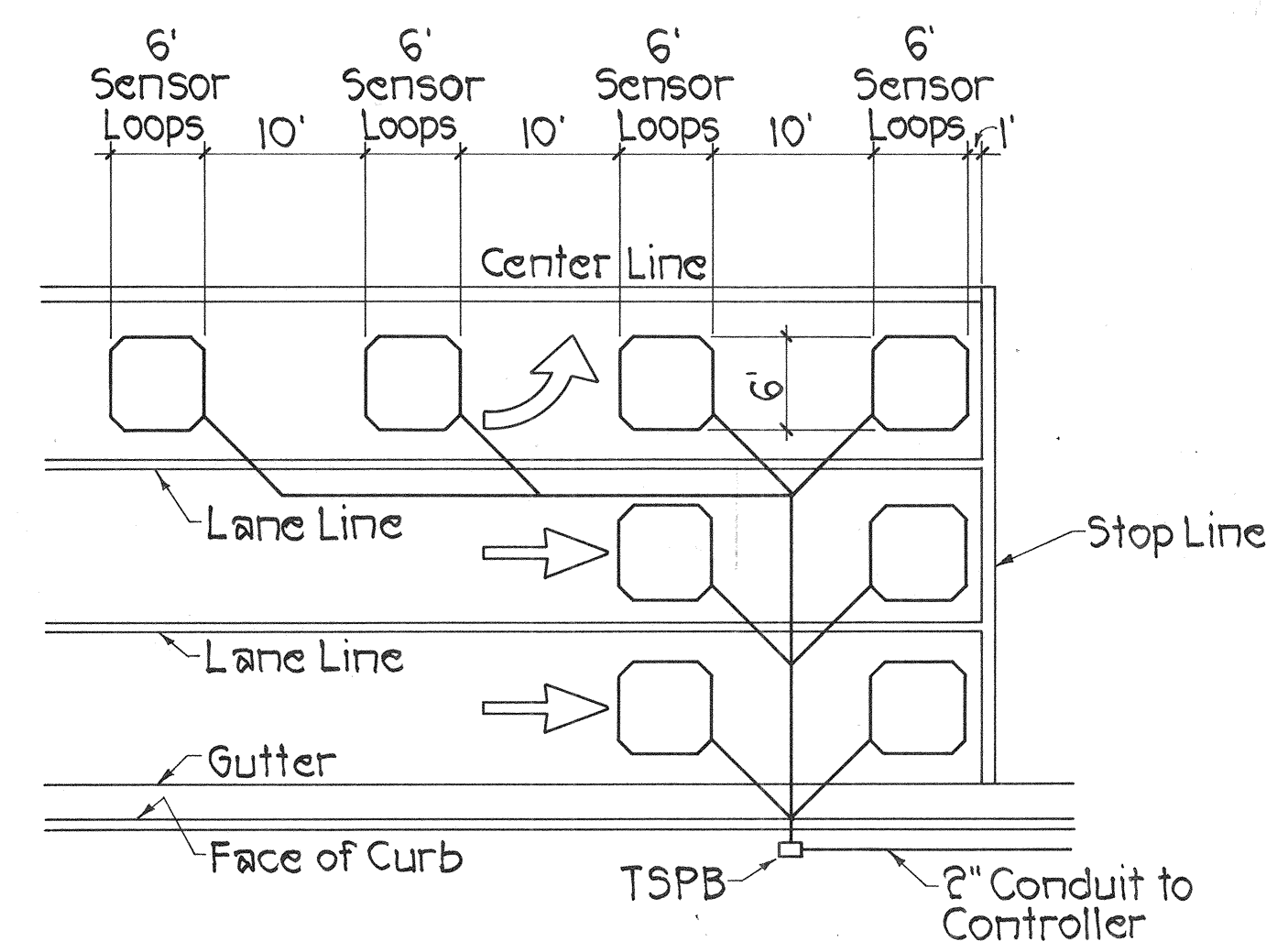
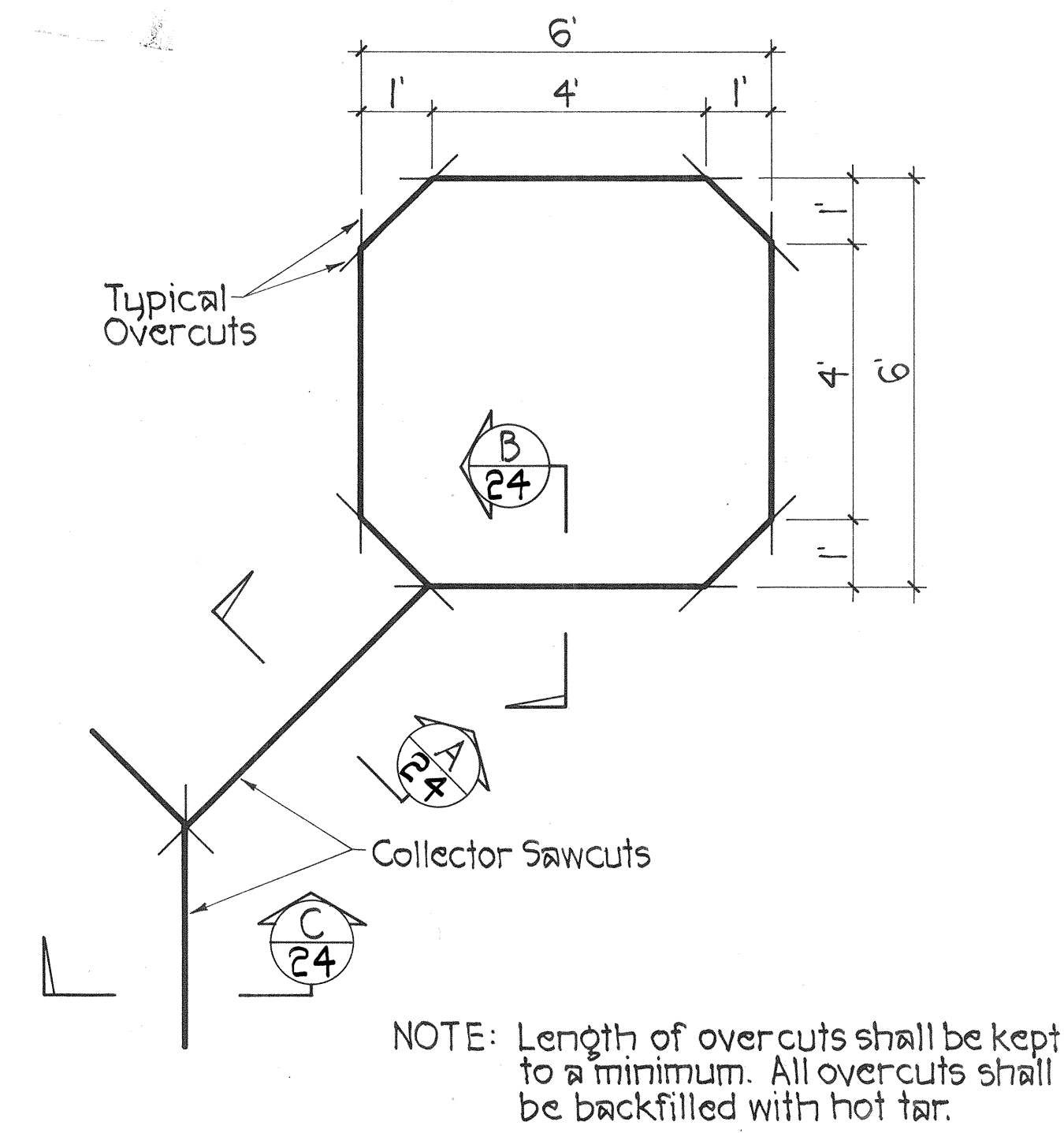


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-056-1(39)	1998	24	28

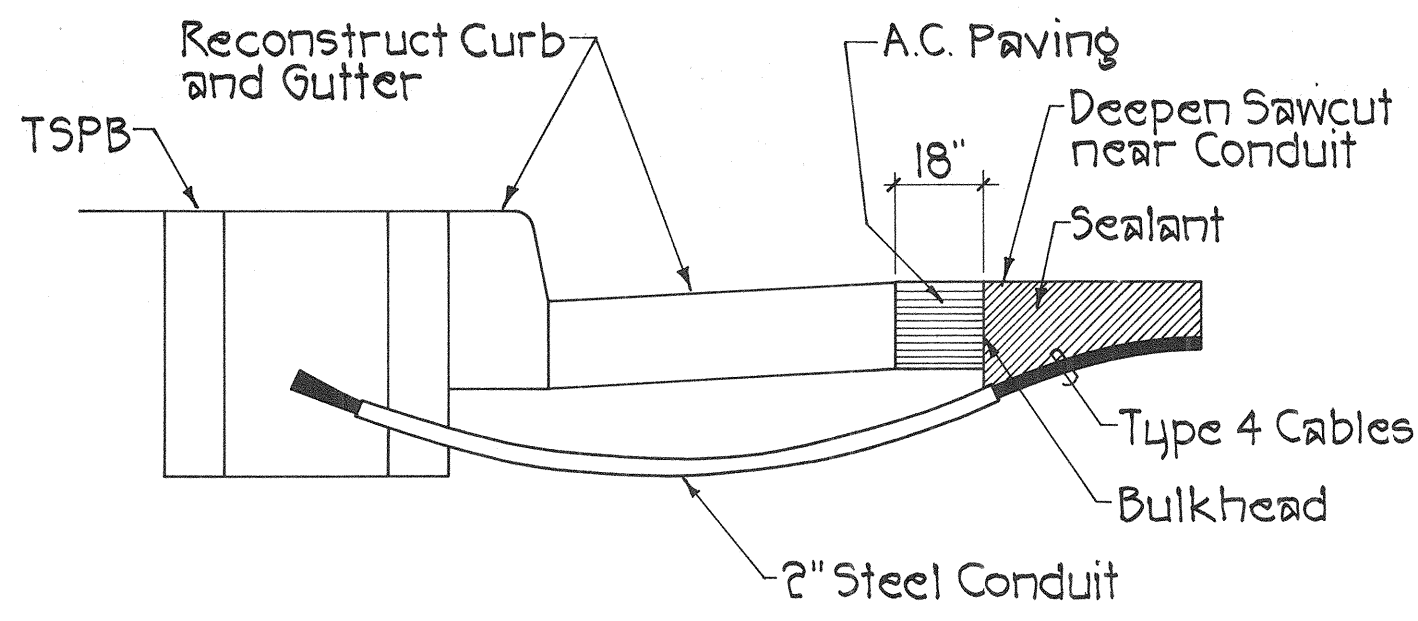
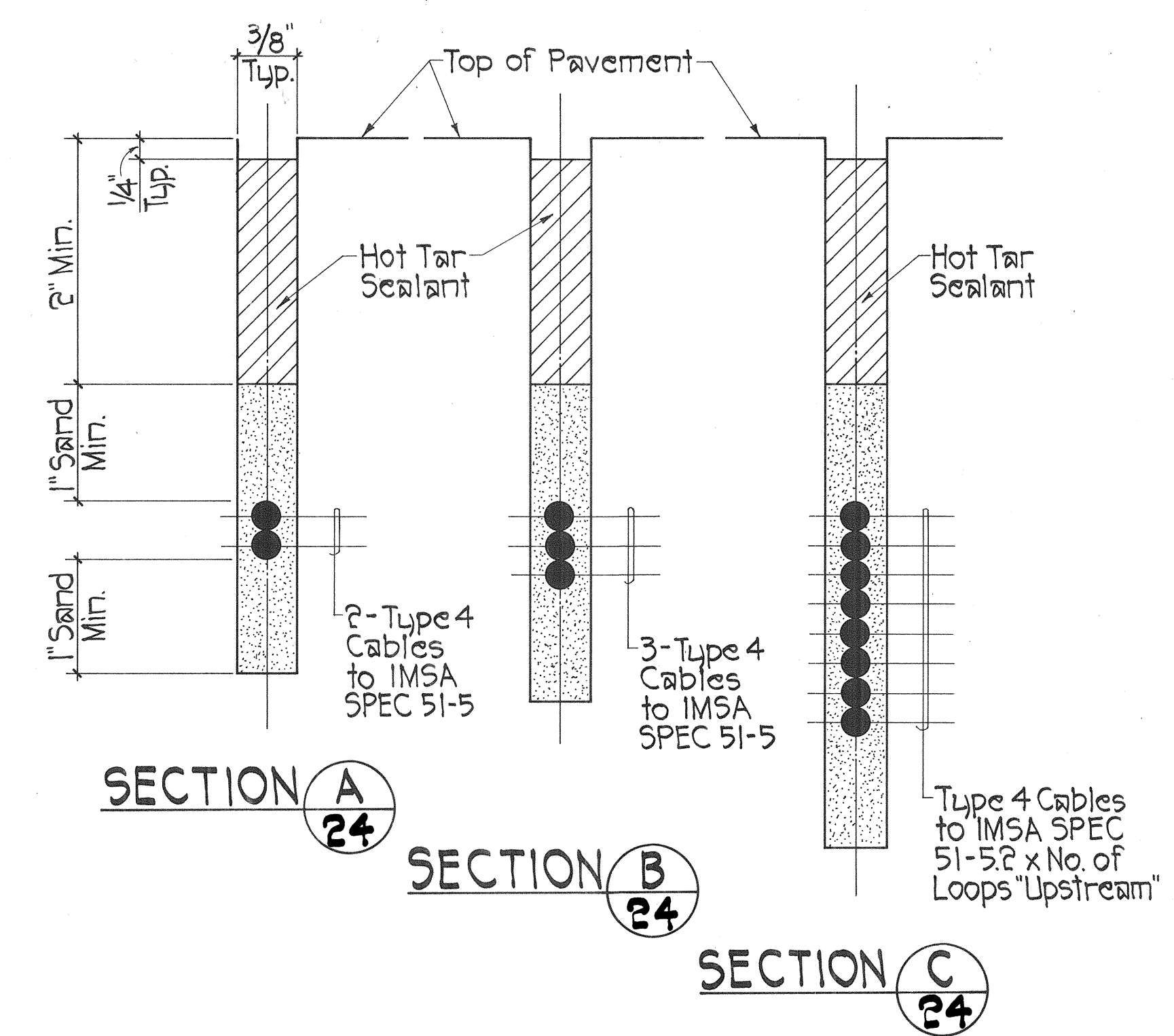


- NOTES:
- Center sensor loops in lanes.
 - Collector cables shall be twisted 2 turns per foot.
 - Number of loops and locations vary. See project plans.
 - Number and locations of collector sawcuts may be varied in the field to suit.

TYPICAL SENSOR LOOP LAYOUT

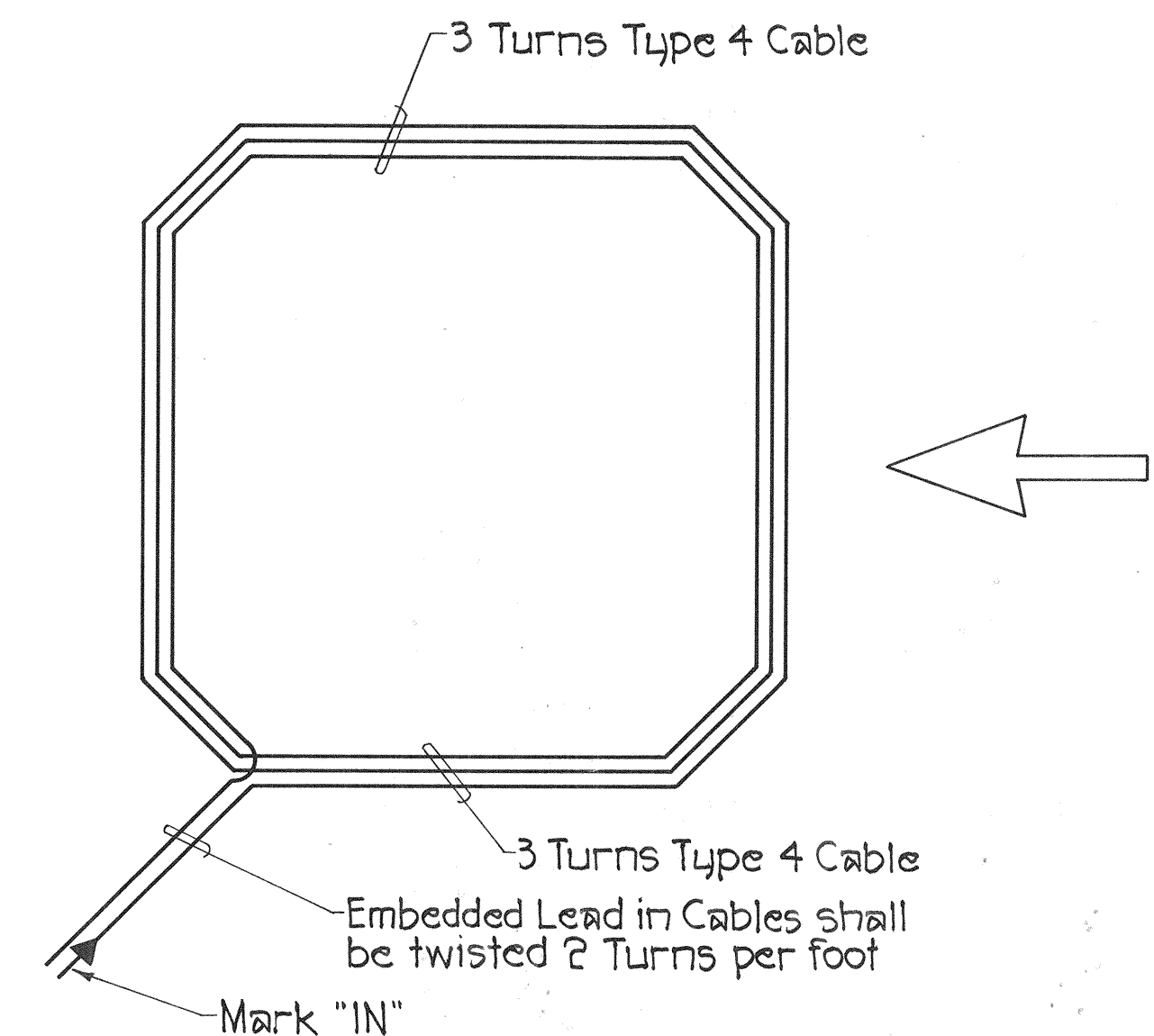


TYPICAL SENSOR LOOP SAWCUT DETAIL



- NOTES ON CONSTRUCTION AT END OF SAWCUT
- Seal roadway end of conduit after installation of conductors.
 - Install bulkhead across conduit trench.
 - Place hot tar in sawcut.
 - Backfill over conduit with new A.C.
 - Reconstruct curb and gutter as required.

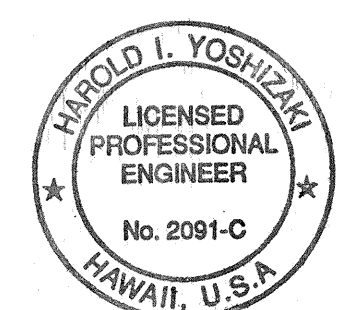
DETAIL OF SENSOR LOOP INSTALLATION AT EDGE OF ROADWAY



TYPICAL SENSOR LOOP WIRING DIAGRAM

TYPES OF CABLES

- Type 1 Signal Loop Cable: Stranded No. 14, 26 Conductors
- Type 2 Detector Lead-In Cable and Pedestrian Push Button Circuit Cable: Stranded No. 14, 2 Conductors
- Type 3 Interconnect Cable: Solid No. 10, 12 Pairs
- Type 4 Loop Sensor Cable: Solid No. 12, Single Conductor to IMSA SPEC 51-5
- Type 5 Signal Drop Cable: Stranded No. 14, 4 Conductor to IMSA Spec No. 20-1
- Type 6 Electrical Service Cable: 3 Conductor
- Type 7 Preemption Detector Cable: Stranded No. 20, 4 Conductor
- Type 8 Ground Wire: Solid No. 8, 1 Conductor
- Type 9 Overhead Messenger Cable: 1/4 inch Seven Wire Strand to ASTM A 475 with stainless steel 0045-inch dia. lashing wire



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
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 1126 12th Avenue
 Honolulu, Hawaii 96816

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LOOP DETECTOR DETAILS

KUHIO HIGHWAY
TRAFFIC SIGNAL MODERNIZATION
FEDERAL-AID PROJECT NO. STP-056-1(39)
SCALE: AS SHOWN DATE: June 1997

SHEET NO. 1 OF 1 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
NO.	