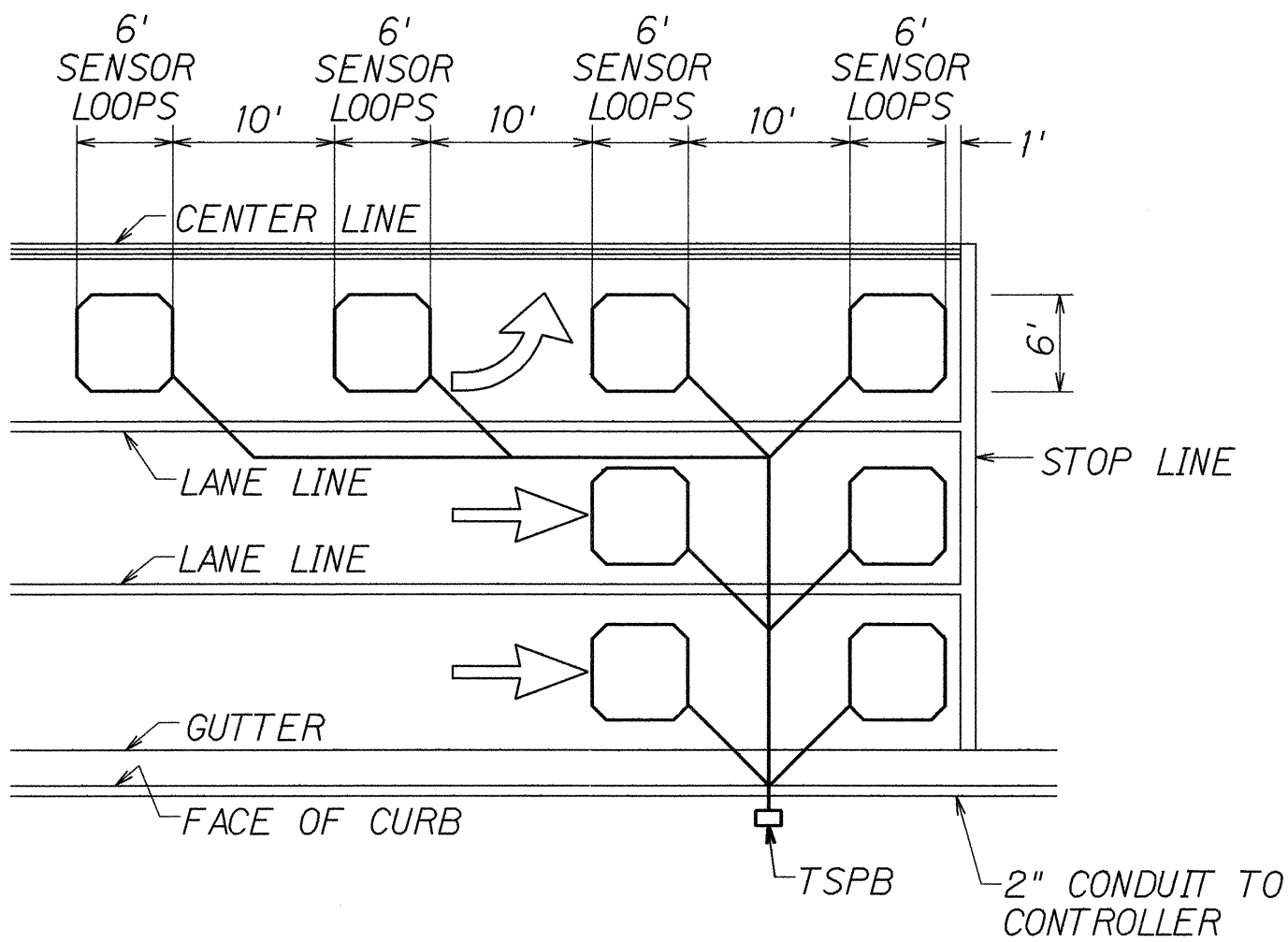
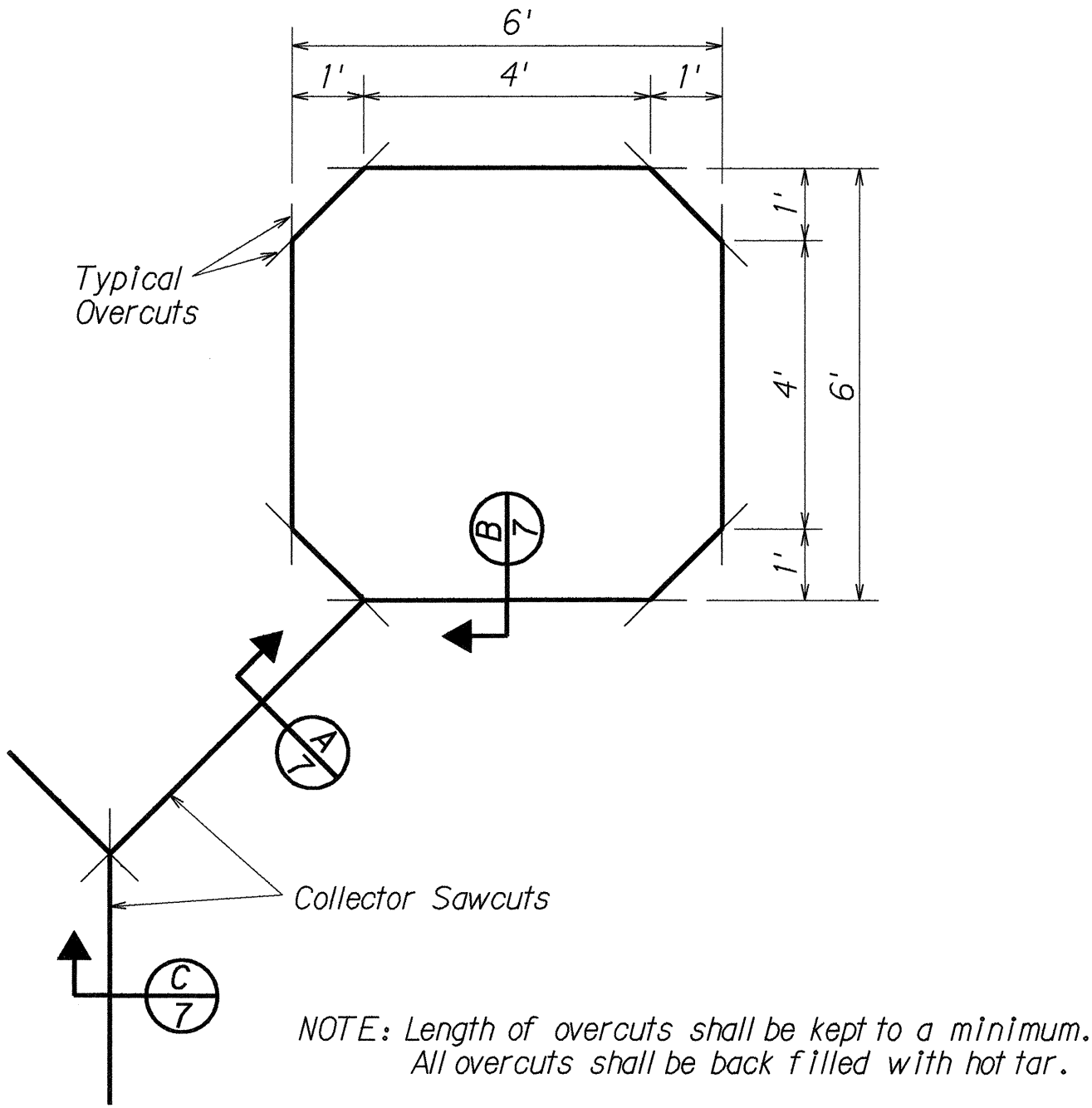


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HES-STP-3500(4)	1994	24	26

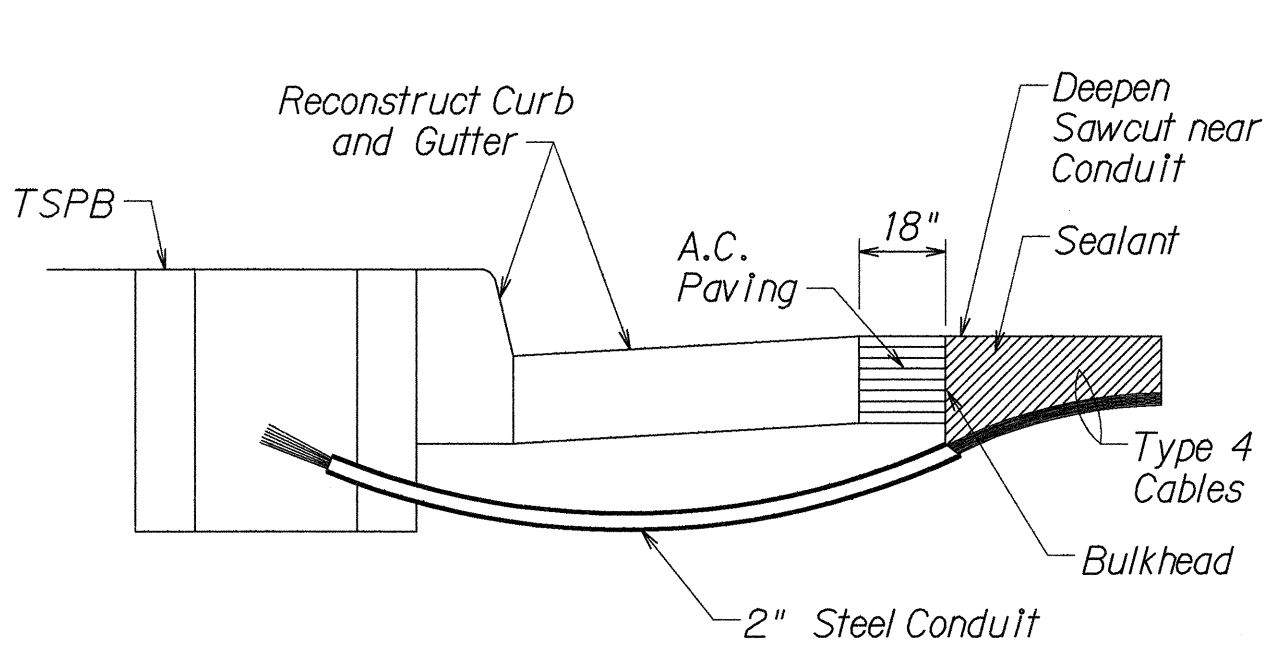
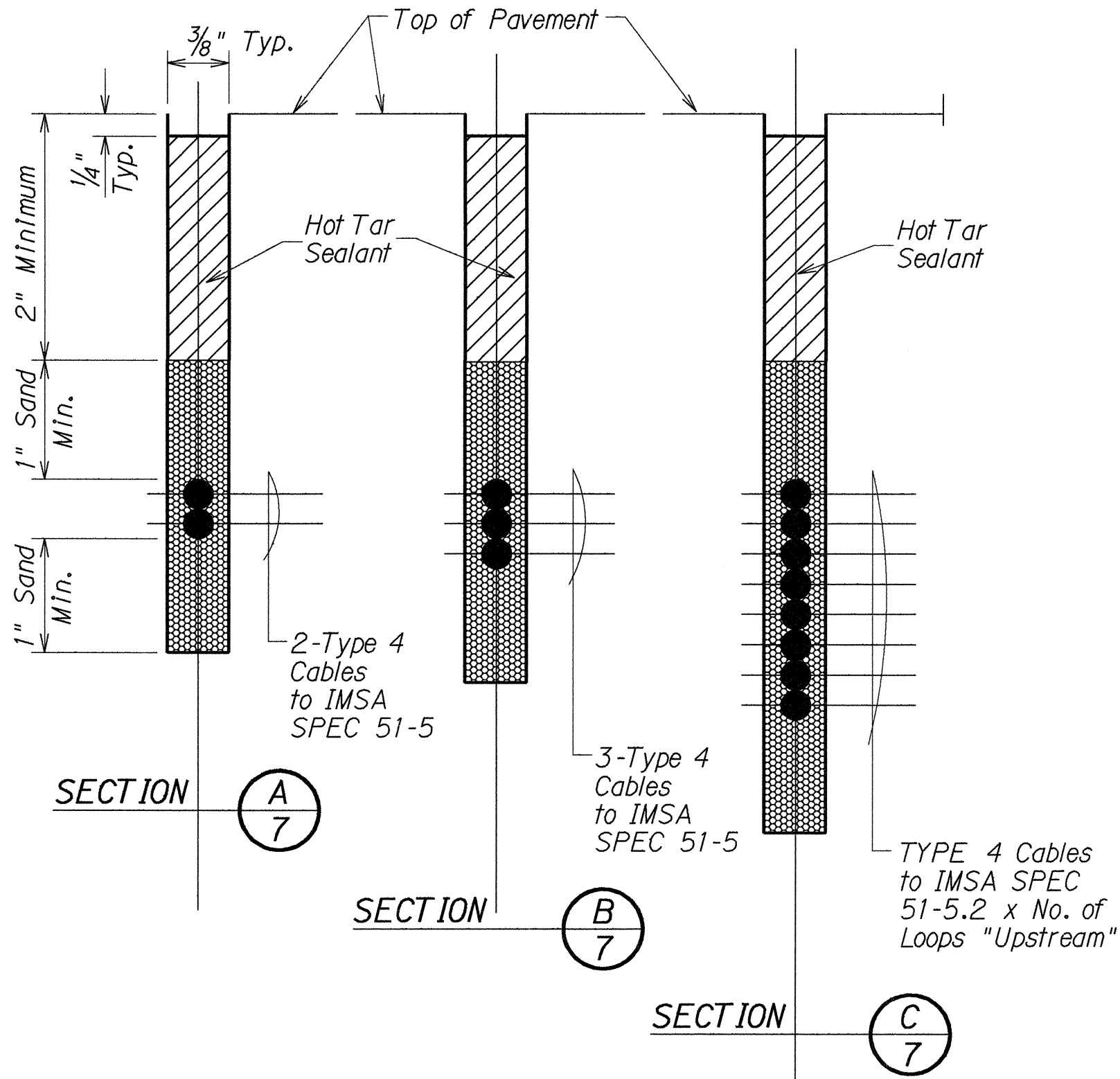


- NOTES:
- Center sensor loops in lanes.
  - Collector cables shall be twisted 2 turns per foot.
  - Number of loops and locations vary. See project plans.
  - Number and locations of collector sawcuts may be varied in the field to suit.

TYPICAL SENSOR LOOP LAYOUT

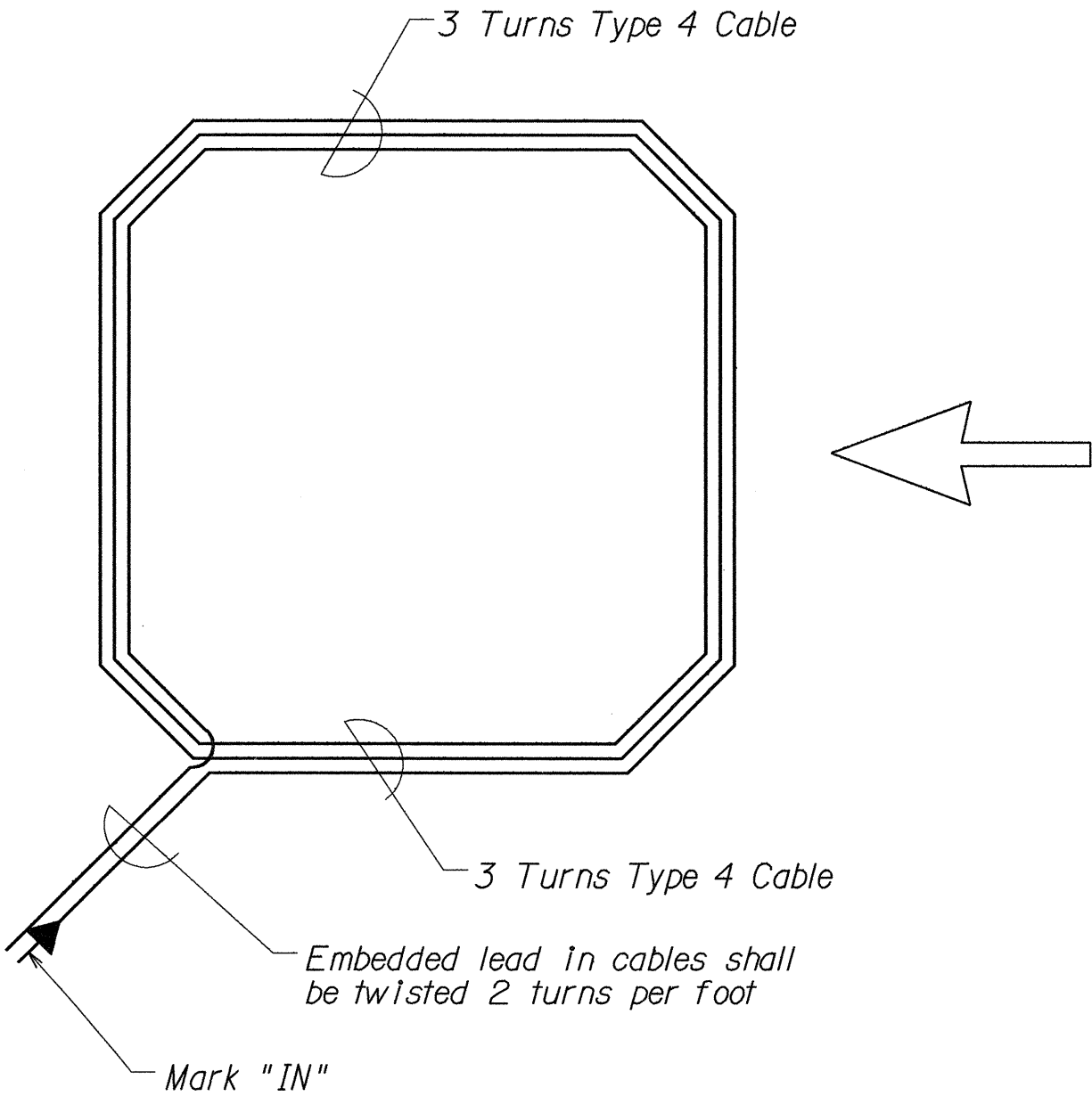


TYPICAL SENSOR LOOP SAWCUT DETAIL



- 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. 20, 12 Pairs
- TYPE 4 Loop Sensor Cable: Solid No. 12, Single Conductor to IMSA SPEC 51-5
- TYPE 5 Cable from Signal Loop to Signal Head: Stranded, No. 14, Single Conductor
- TYPE 6 Service Cable: Solid, No. 6, 3 Conductors

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**LOOP DETECTOR DETAILS**  
**PUUNENE AVENUE**  
**INTERSECTION IMPROVEMENTS**  
**at Kamehameha Ave.**  
**F.A. PROJ. NO. HES-STP-3500(4)**

Not to Scale
Date: July, 1993

SHEET No. T5 OF 7 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
TRACED BY	DRAWN BY	
NOTE BOOK	DESIGNED BY	
	CHECKED BY	