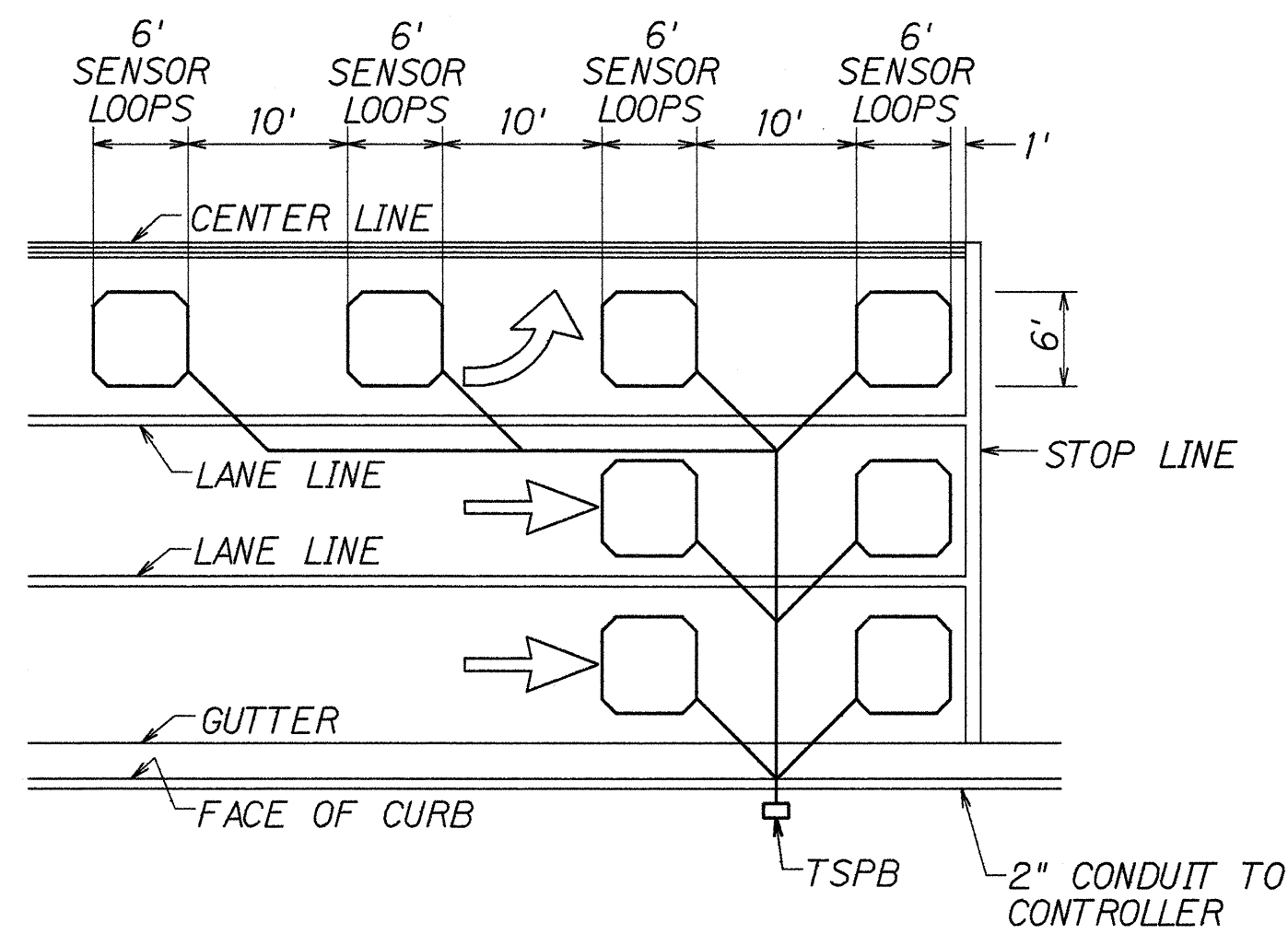
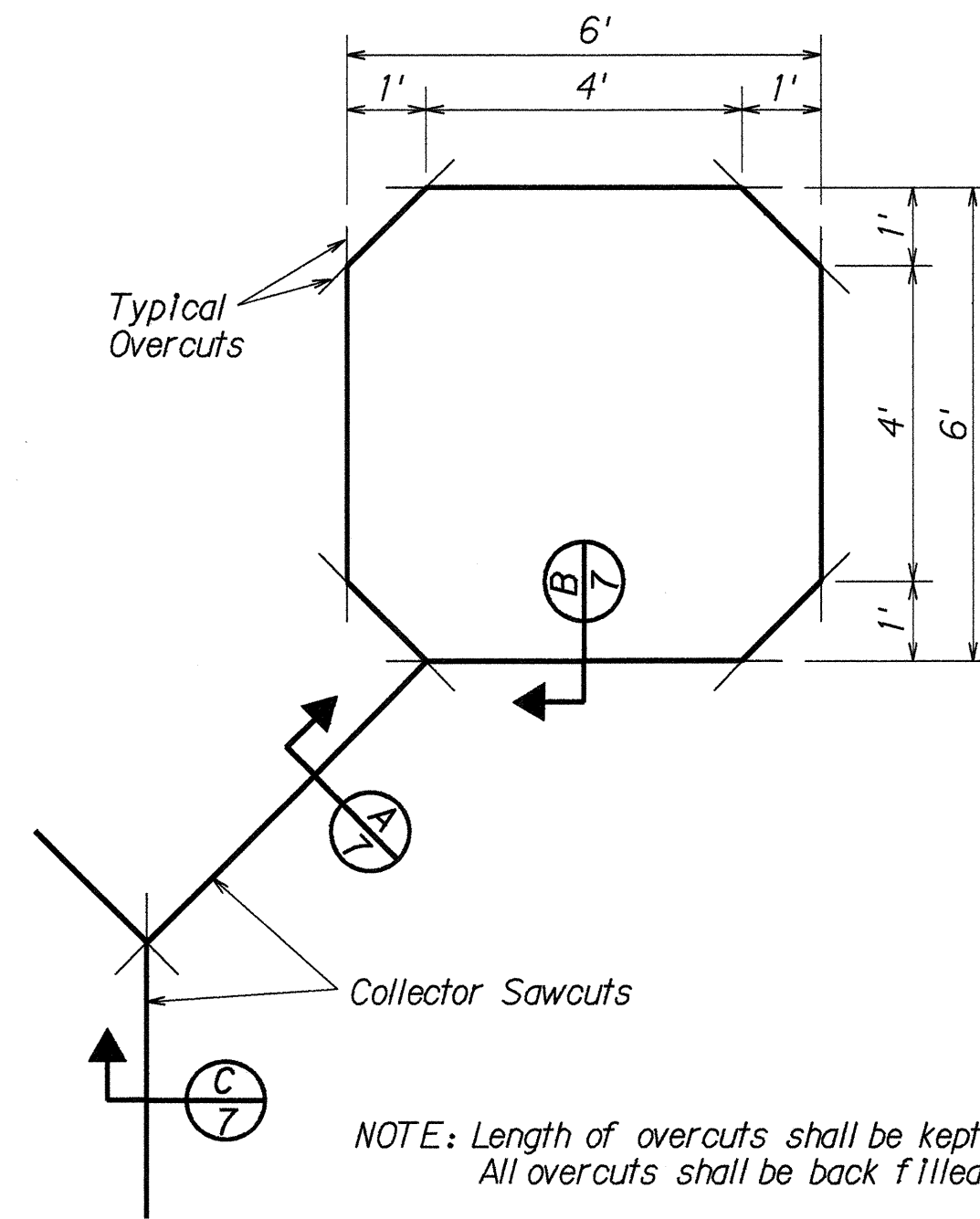


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-HI-1(220)	1995	ADD. 11 S-1	37

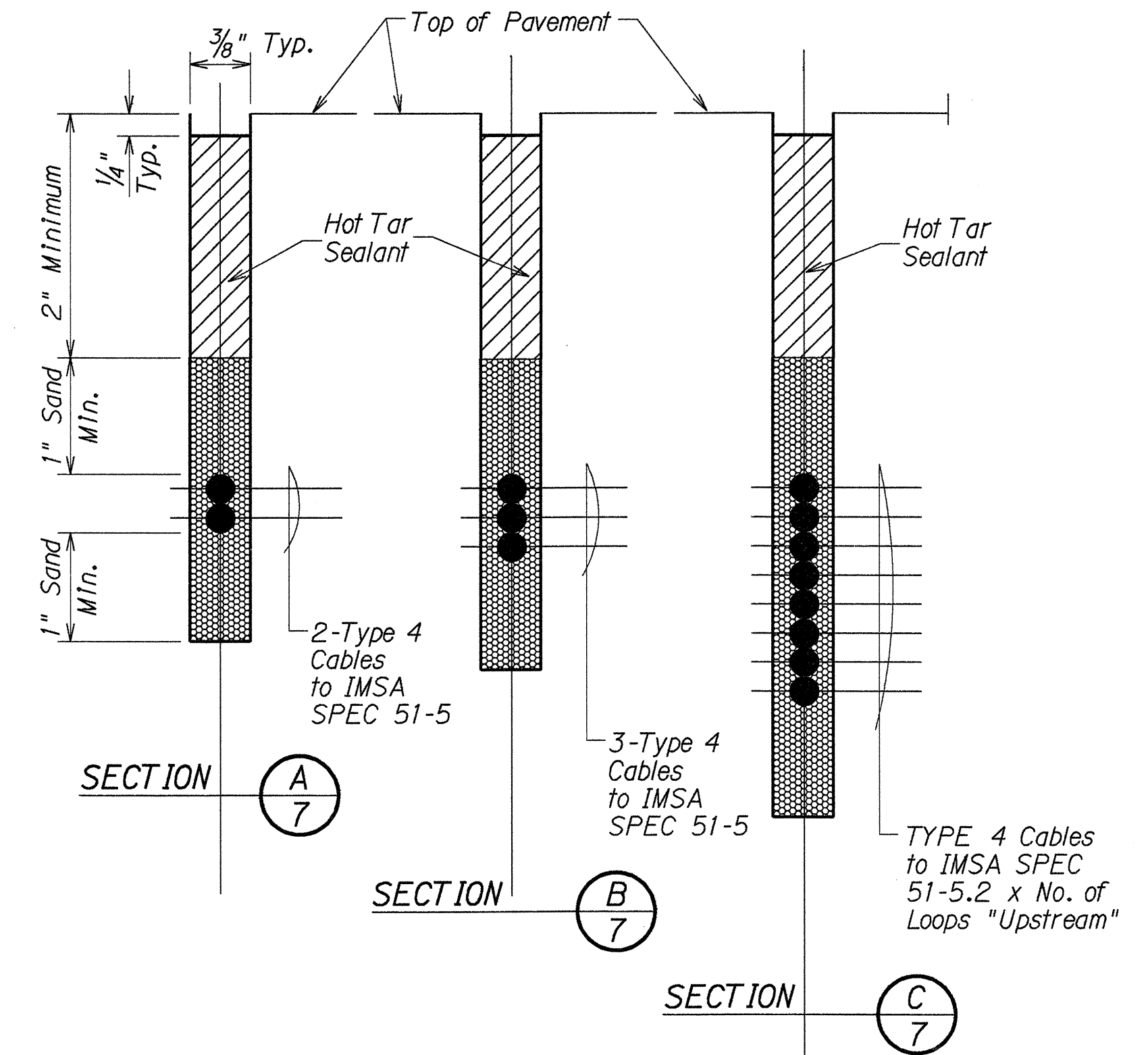


- NOTES:
1. Center sensor loops in lanes.
  2. Collector cables shall be twisted 2 turns per foot.
  3. Number of loops and locations vary. See project plans.
  4. Number and locations of collector sawcuts may be varied in the field to suit.

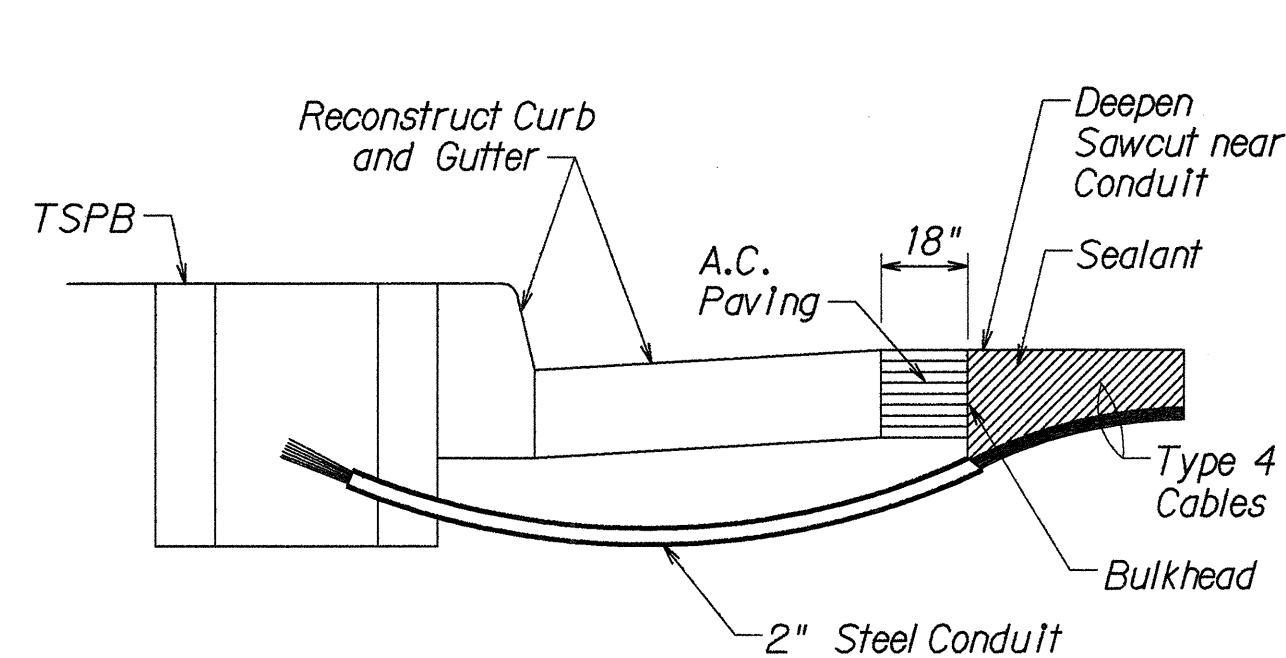
TYPICAL SENSOR LOOP LAYOUT



TYPICAL SENSOR LOOP SAWCUT DETAIL

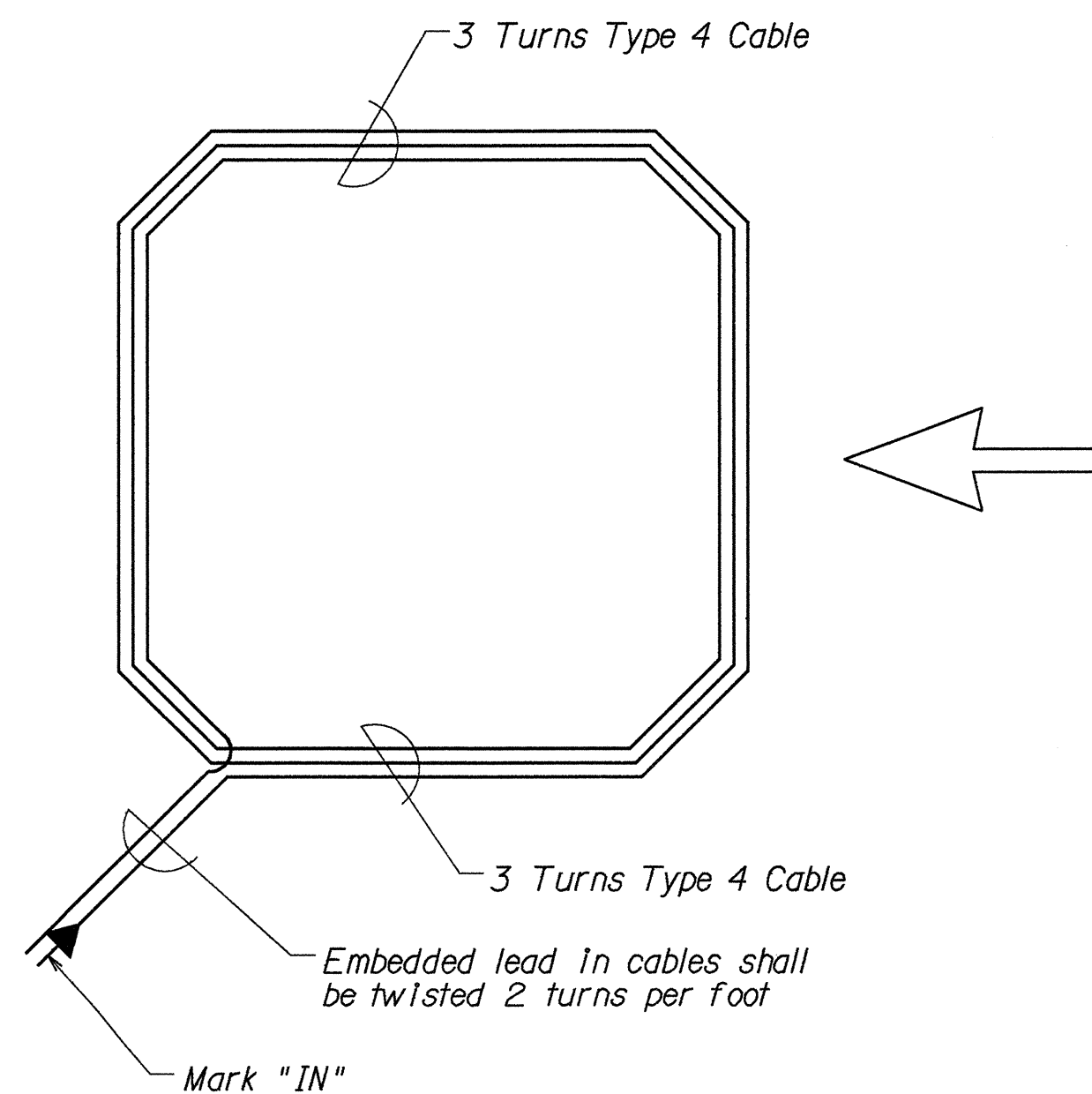


TYPICAL SECTION THROUGH SENSOR LOOP



- NOTES ON CONSTRUCTION AT END OF SAWCUT
1. Seal roadway end of conduit after installation of conductors.
  2. Install bulkhead across conduit trench.
  3. Place hot tar in sawcut.
  4. Backfill over conduit with new A.C.
  5. 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   |

6/20/95	Add Loop Detector Details
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION <b>LOOP DETECTOR DETAILS</b> <b>INTERSTATE ROUTE H-1</b> <b>Pav't. Repair and Rehab. at Kalihi St.</b> <b>to Vic. of Pali Hwy. and Kinau Off-Ramp</b> <b>F.A.I. Project No. 1M-HI-1(220)</b> Scale: As Shown Date: May, 1995	
SHEET No. 1 OF 2 SHEETS	

ORIGINAL PLAN	DATE
DESIGNED BY	16-29-95
NOTED BY	
CHECKED BY	
QUANTITIES BY	
BY	

