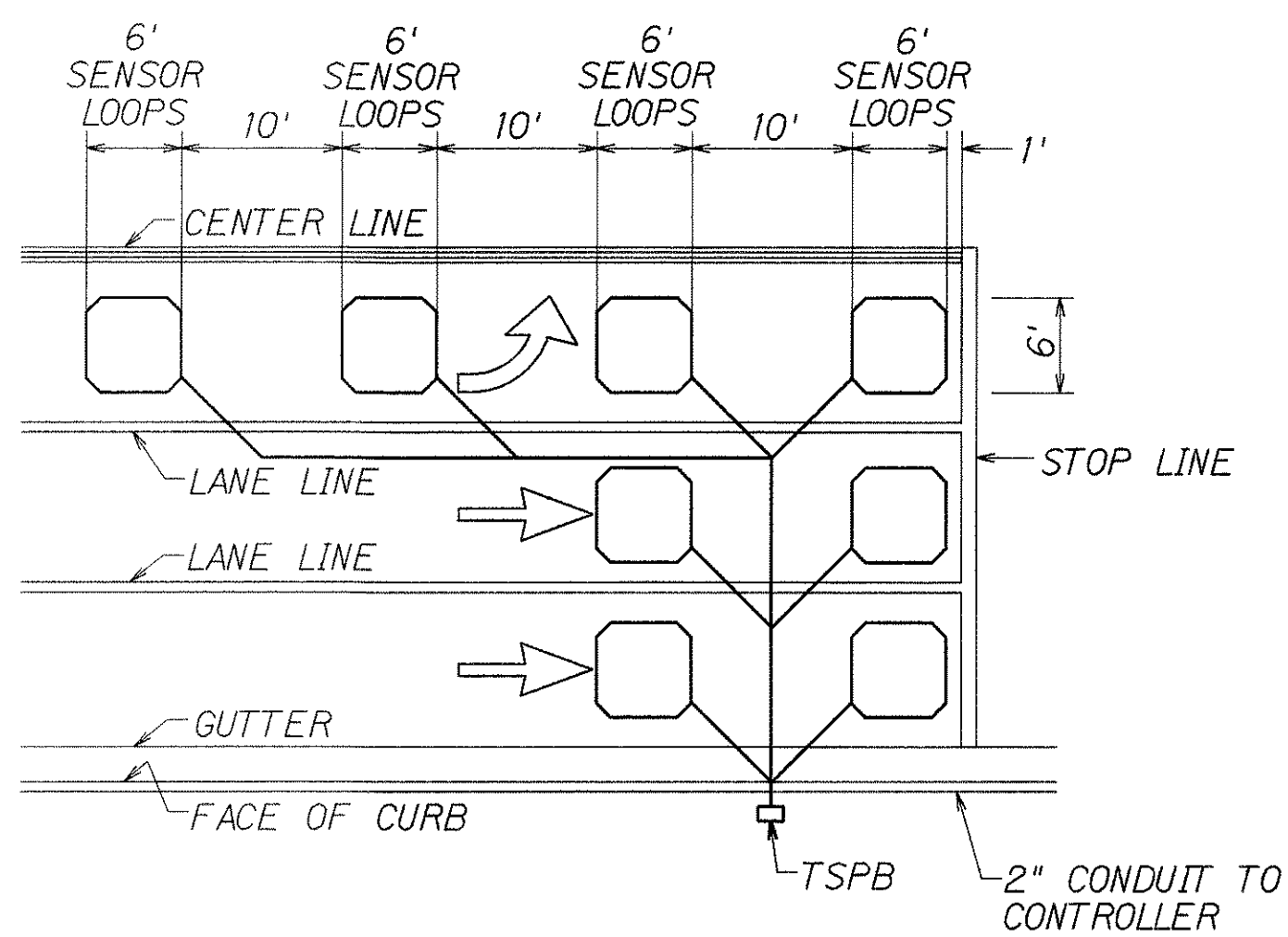
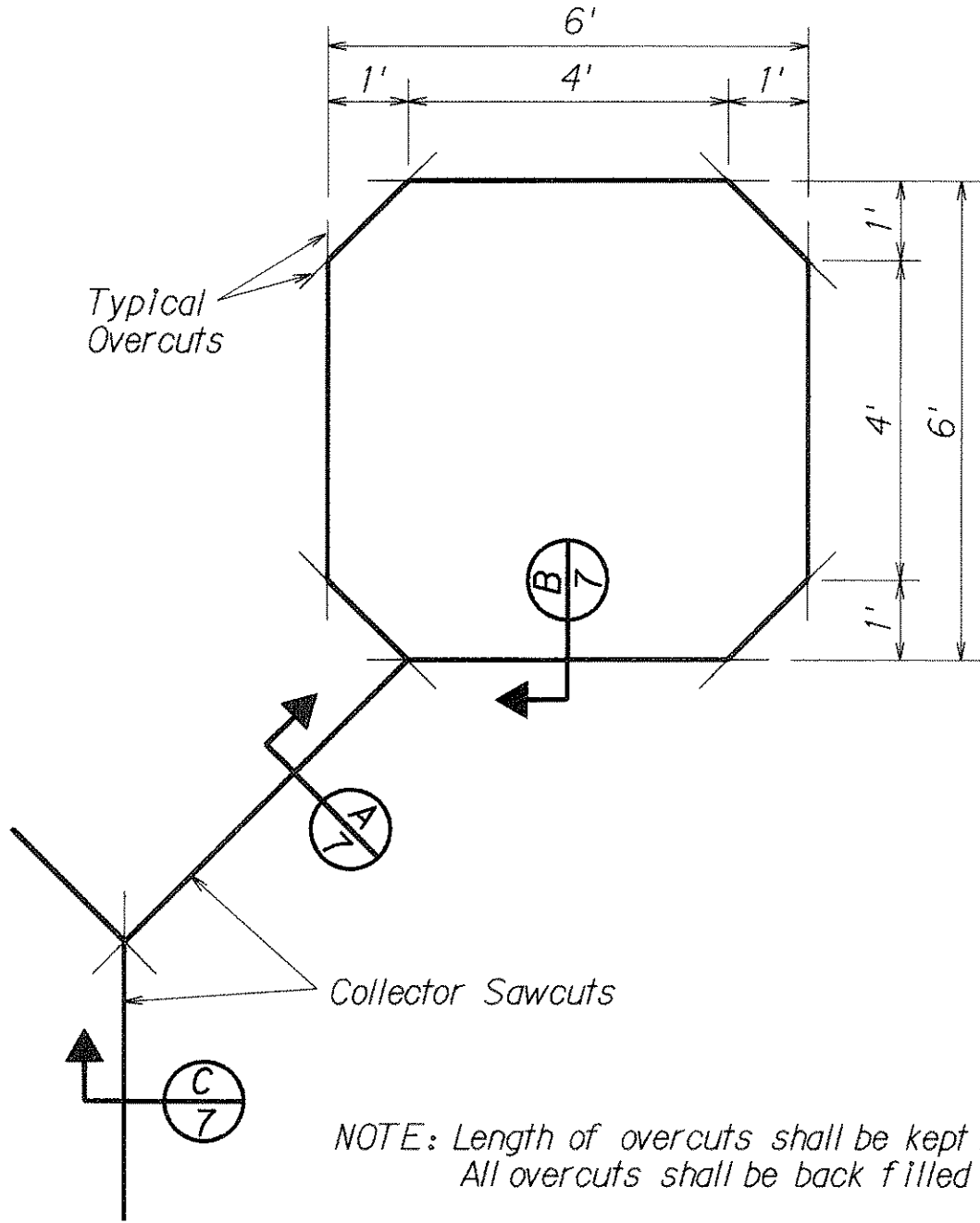


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-092-1(23)	1996	13	14

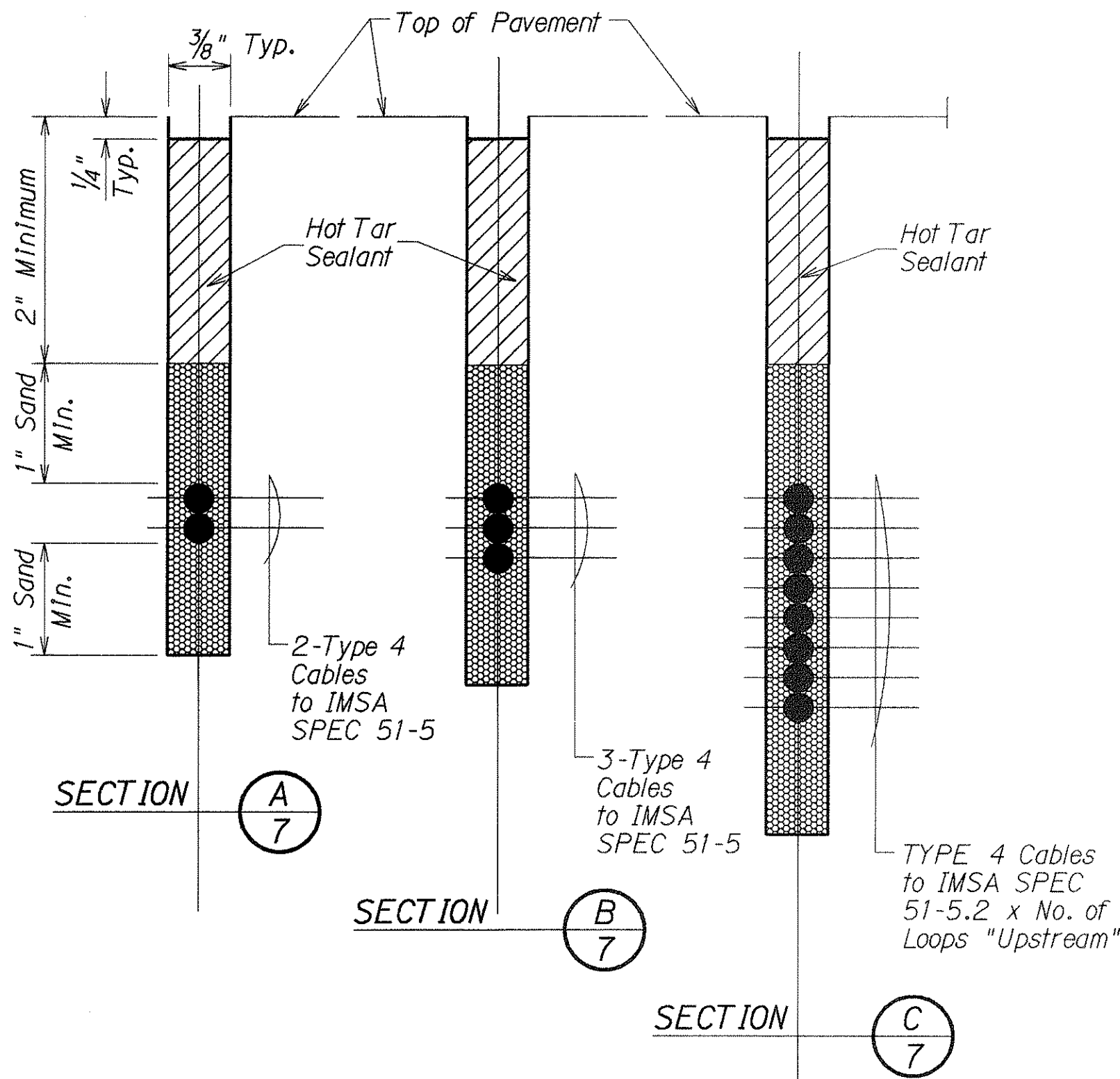


- NOTES:
- Center sensor loops in lanes.
 - Collector cables shall be twisted 2 turns per foot.
 - Number of loops and locations vary. See project plans.
 - Number and locations of collector sawcuts may be varied in the field to suit.

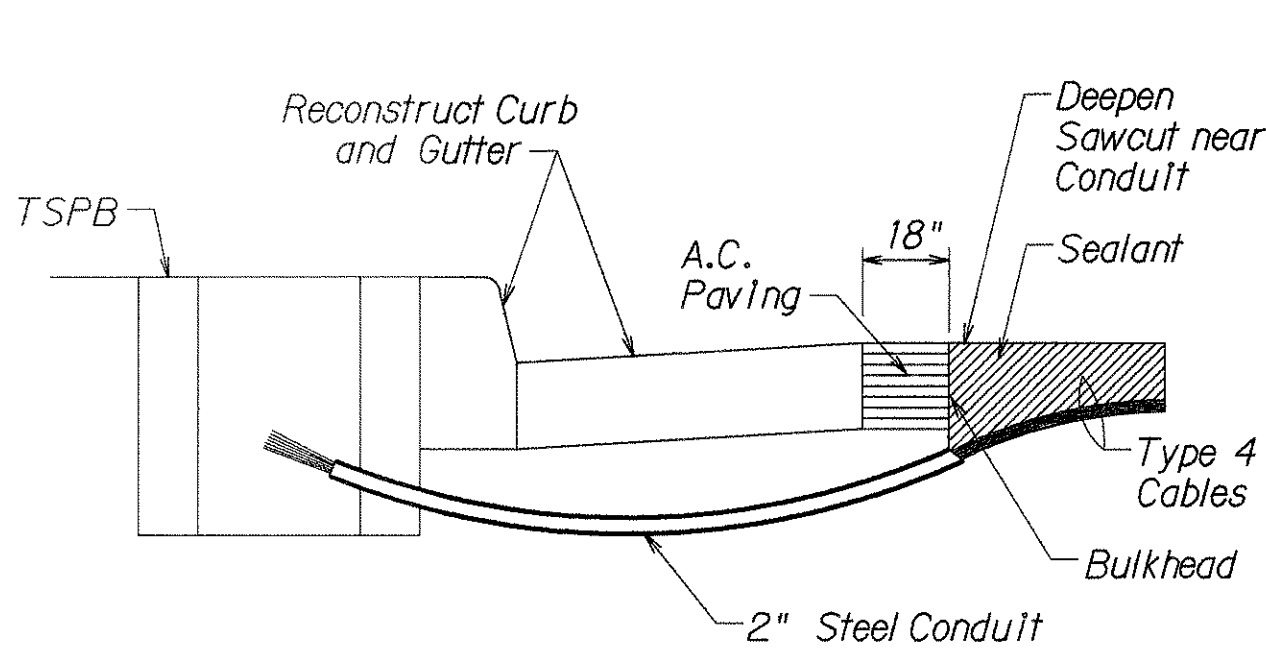
TYPICAL SENSOR LOOP LAYOUT



TYPICAL SENSOR LOOP SAWCUT DETAIL

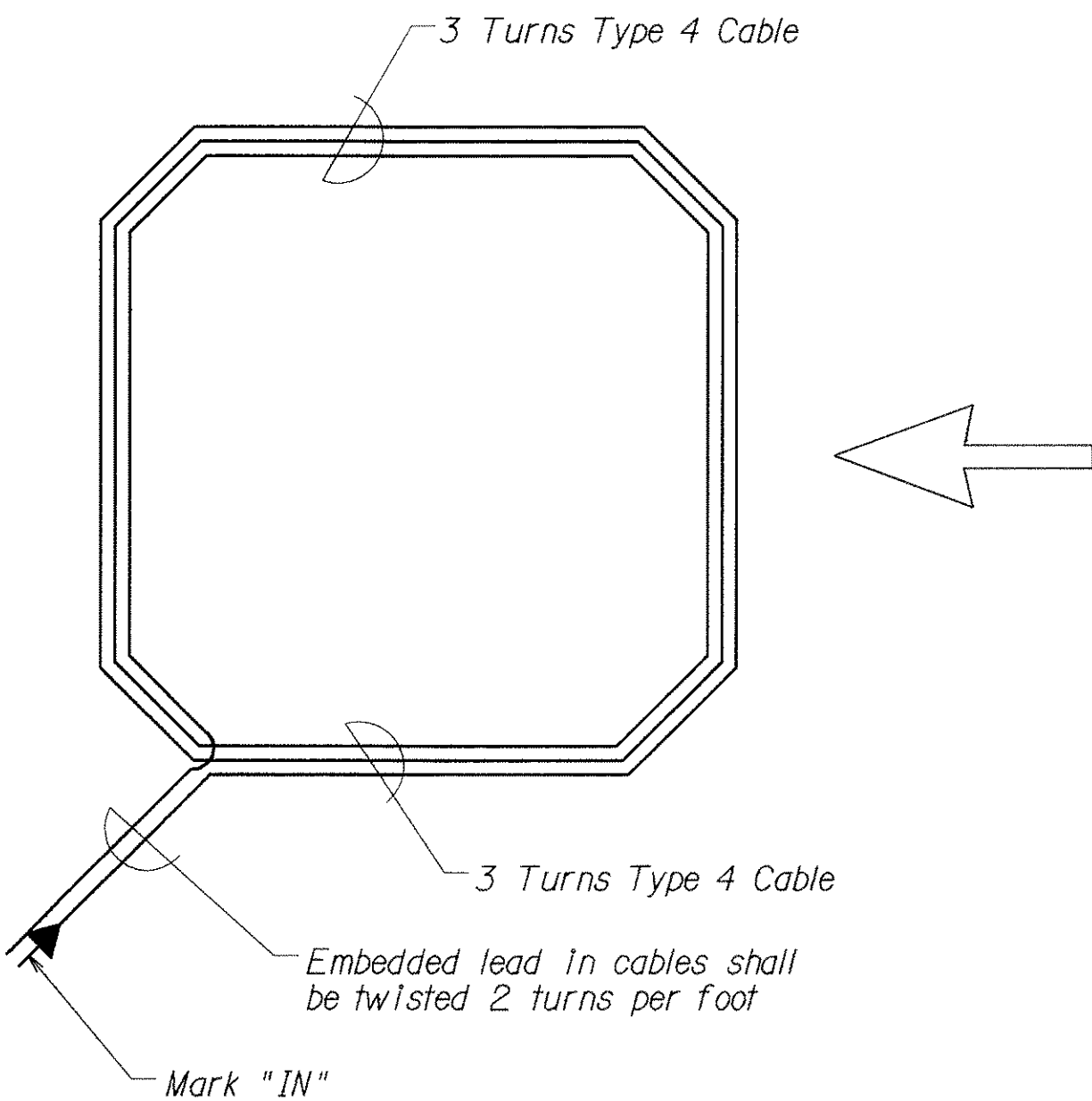


TYPICAL SECTION THROUGH SENSOR LOOP



- 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

ALA MOANA BOULEVARD
Install Double Right-Turn Lanes
On Punchbowl Street
F.A. PROJECT NO. NH-092-1(23)
Date: Sept., 1995

SHEET No. T5 OF 6 SHEETS

ORIGINAL PLAN	DATE: 9/24
DESIGNED BY: G. KAKIHI	DRAWN BY: B. ALI
CHECKED BY: S. SAMBUD	NOTES: 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.