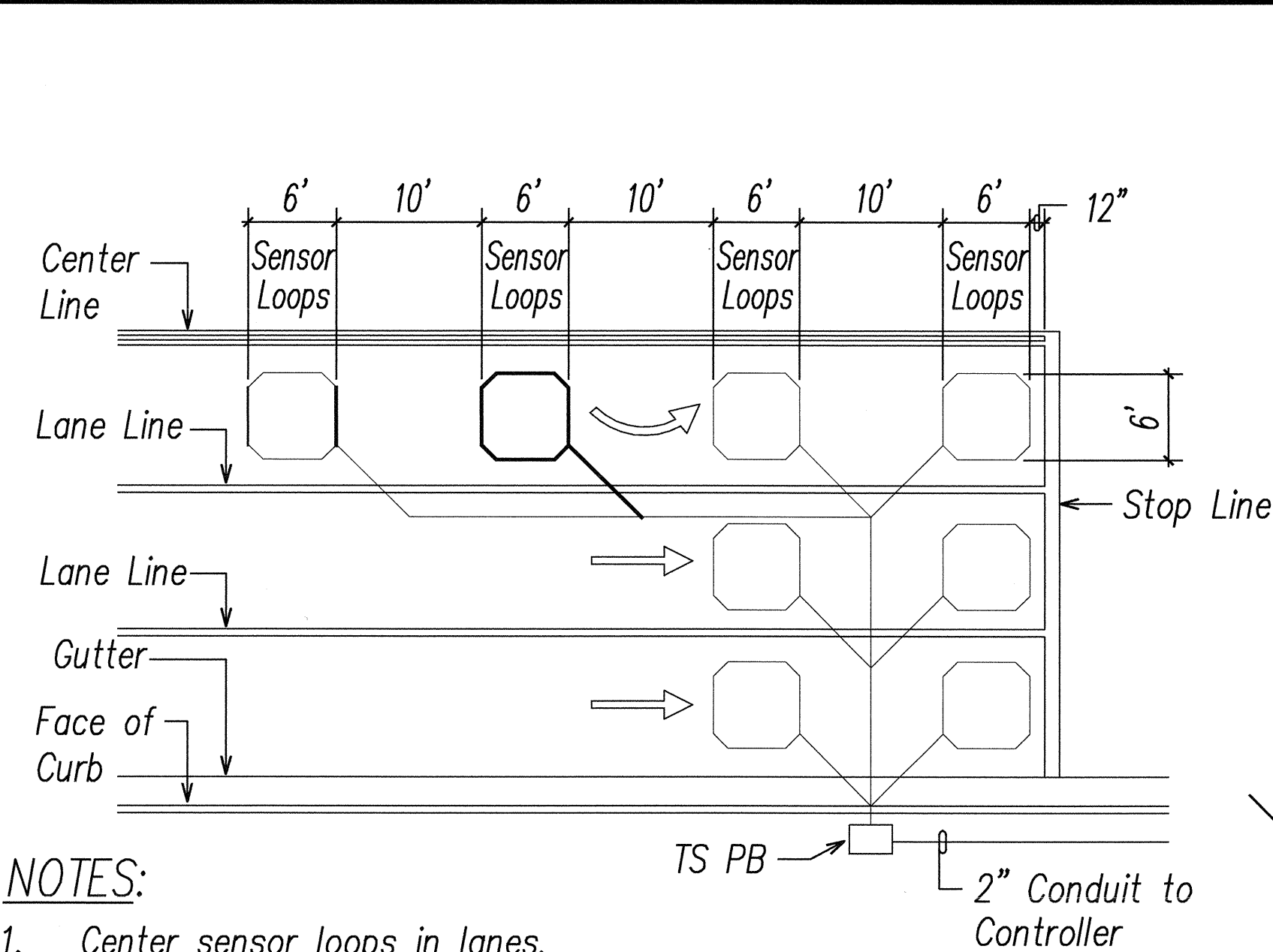
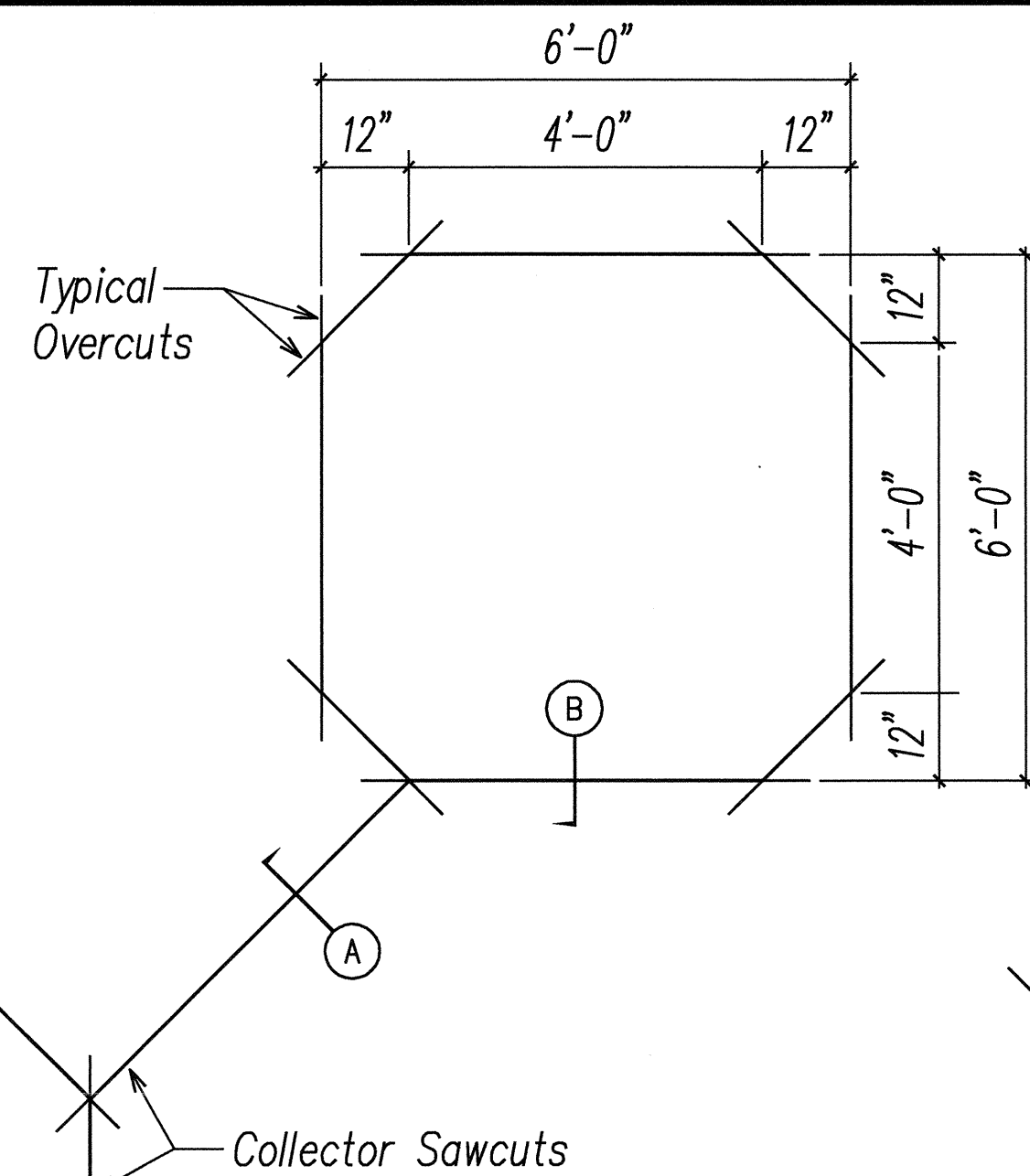


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-8930(2)	2007	302	331



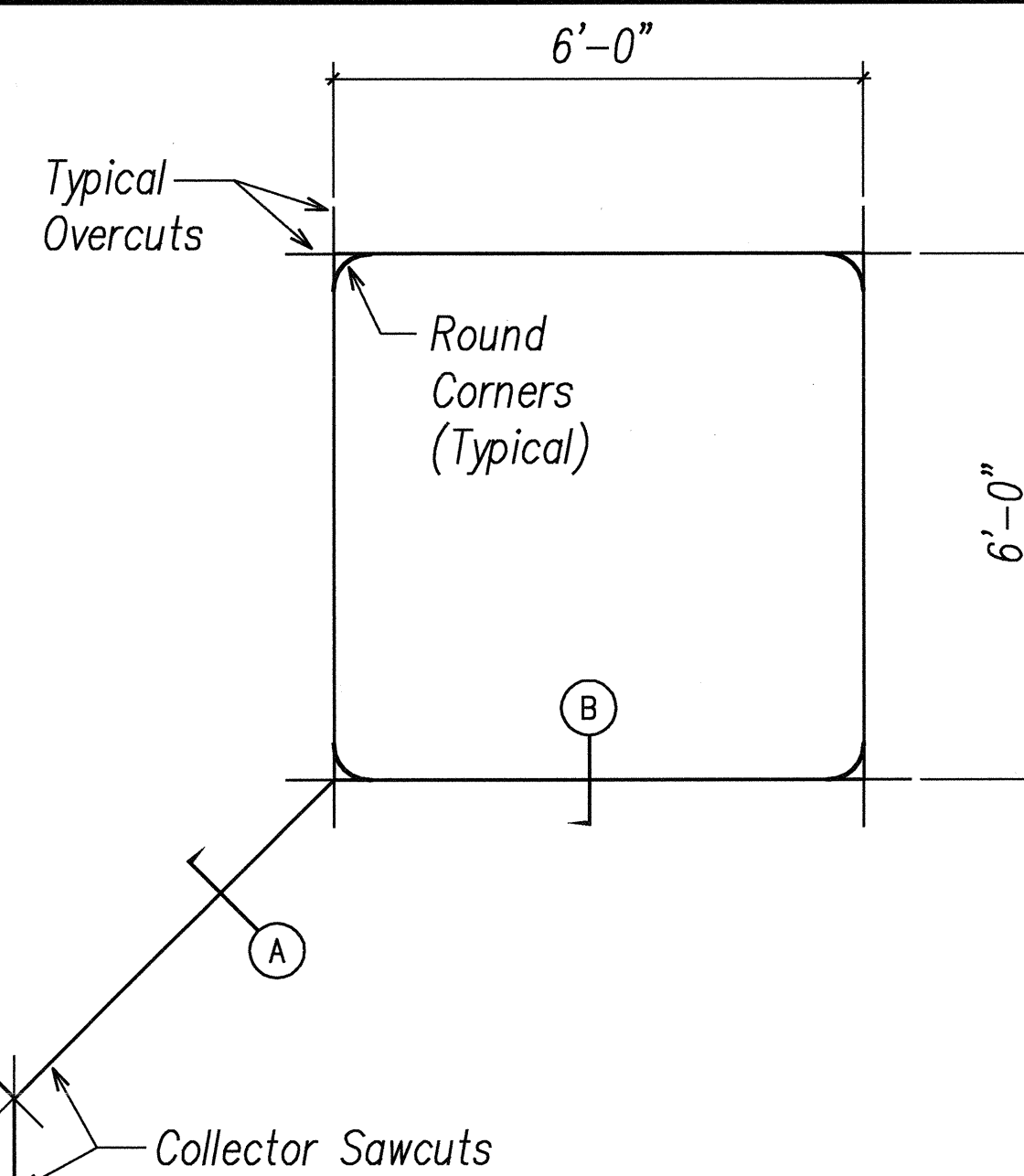
- NOTES:
1. Center sensor loops in lanes.
 2. Collector cables shall be twisted 2 turns per 12".
 3. Number of loops and locations vary. See project plans.
 4. Number and locations of collector sawcuts may be varied in the field to suit.

TYPICAL SENSOR LOOP LAYOUT



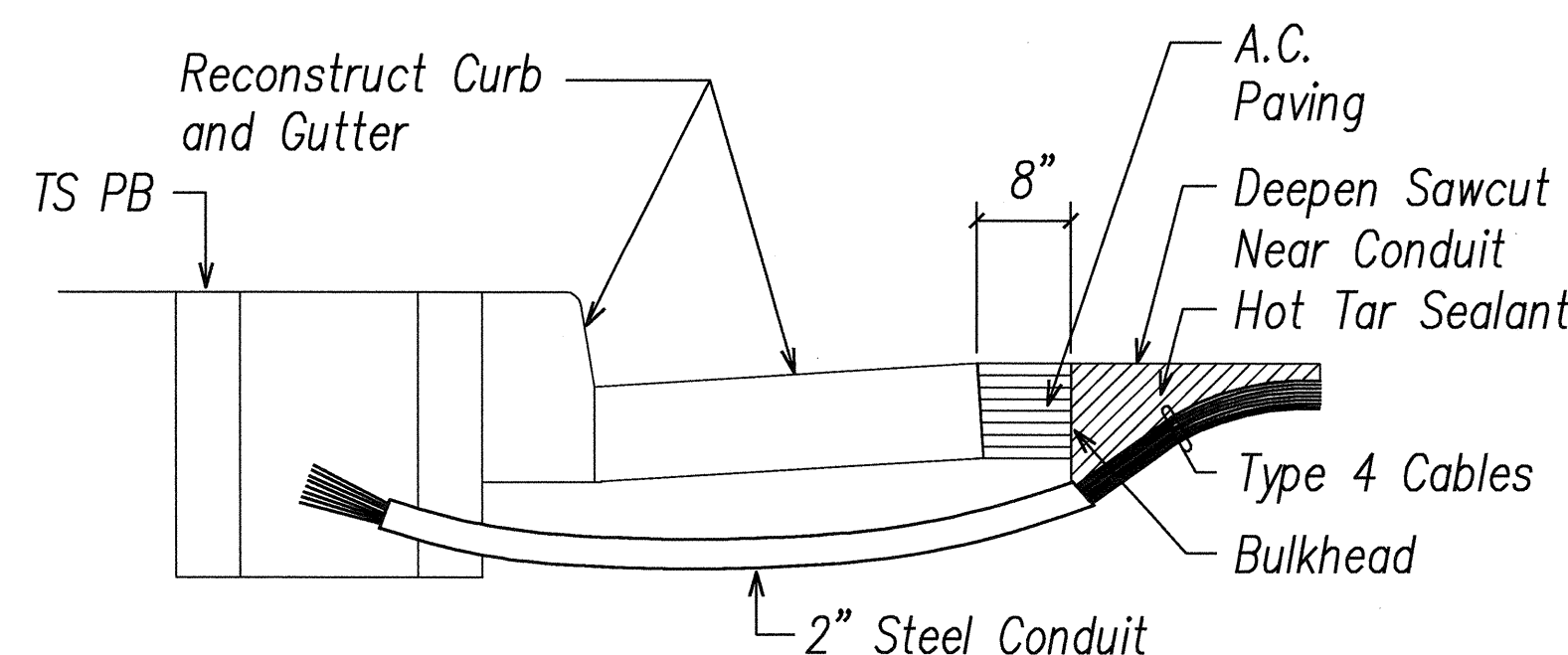
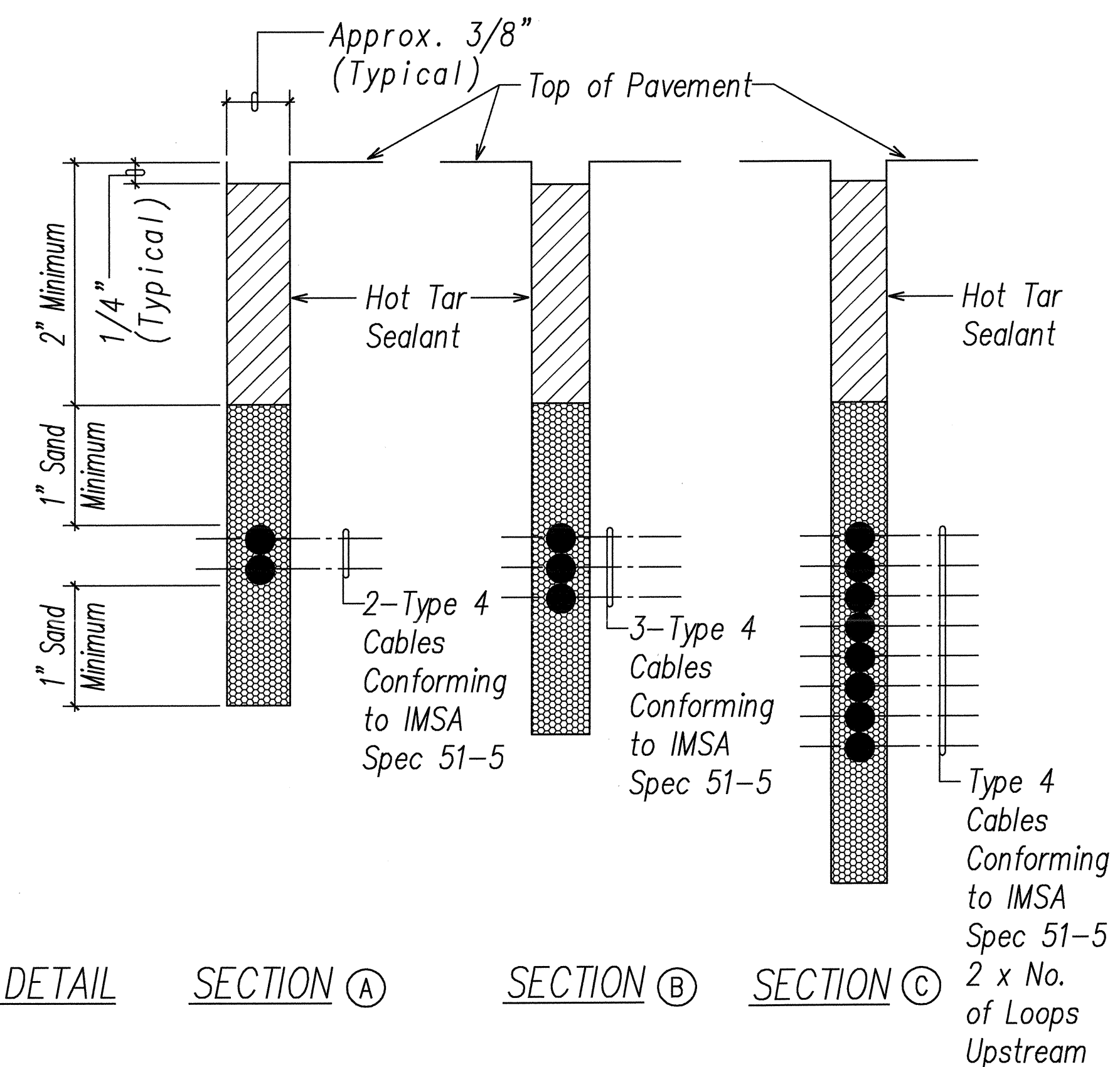
- NOTES:
Length of overcuts shall be kept to a minimum. All overcuts shall be backfilled with hot tar.

TYPICAL SENSOR LOOP SAWCUT DETAIL



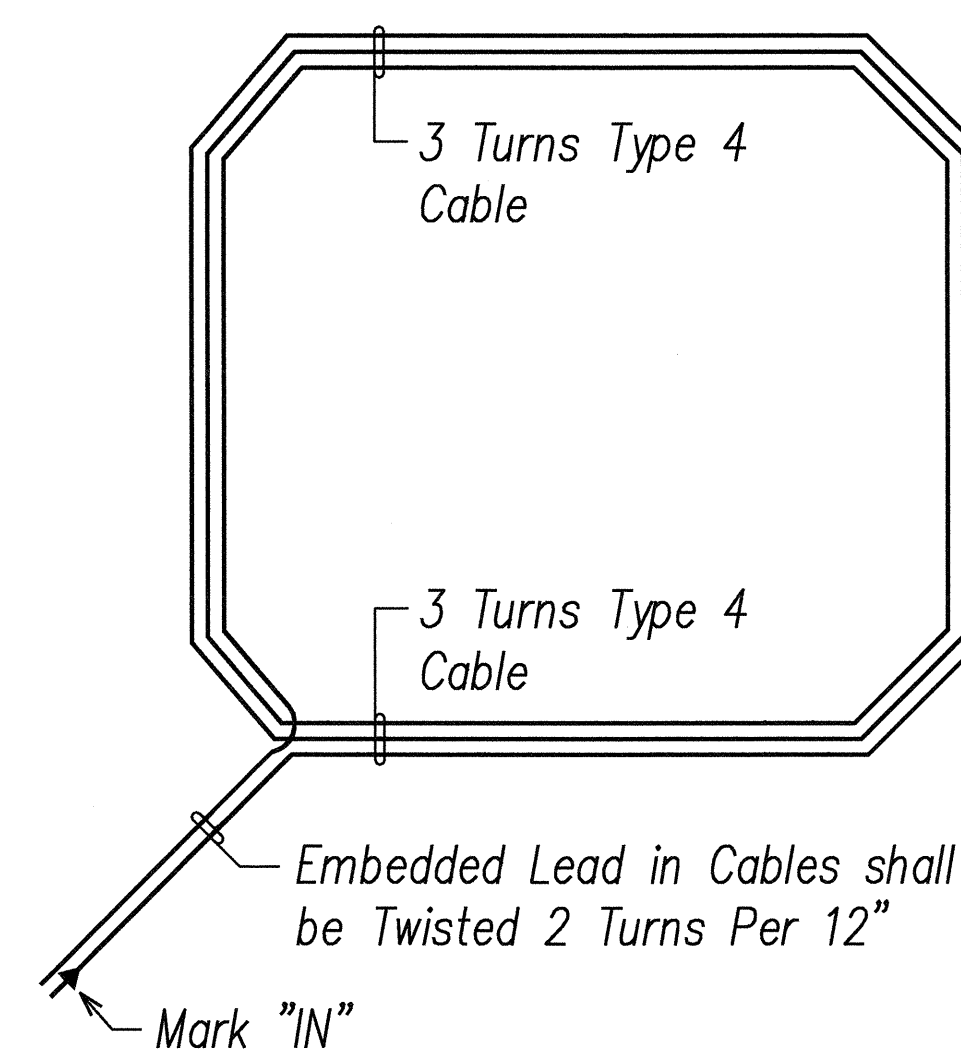
- NOTES:
Length of overcuts shall be kept to a minimum. All overcuts shall be backfilled with hot tar.

ALTERNATE SENSOR LOOP SAWCUT DETAIL



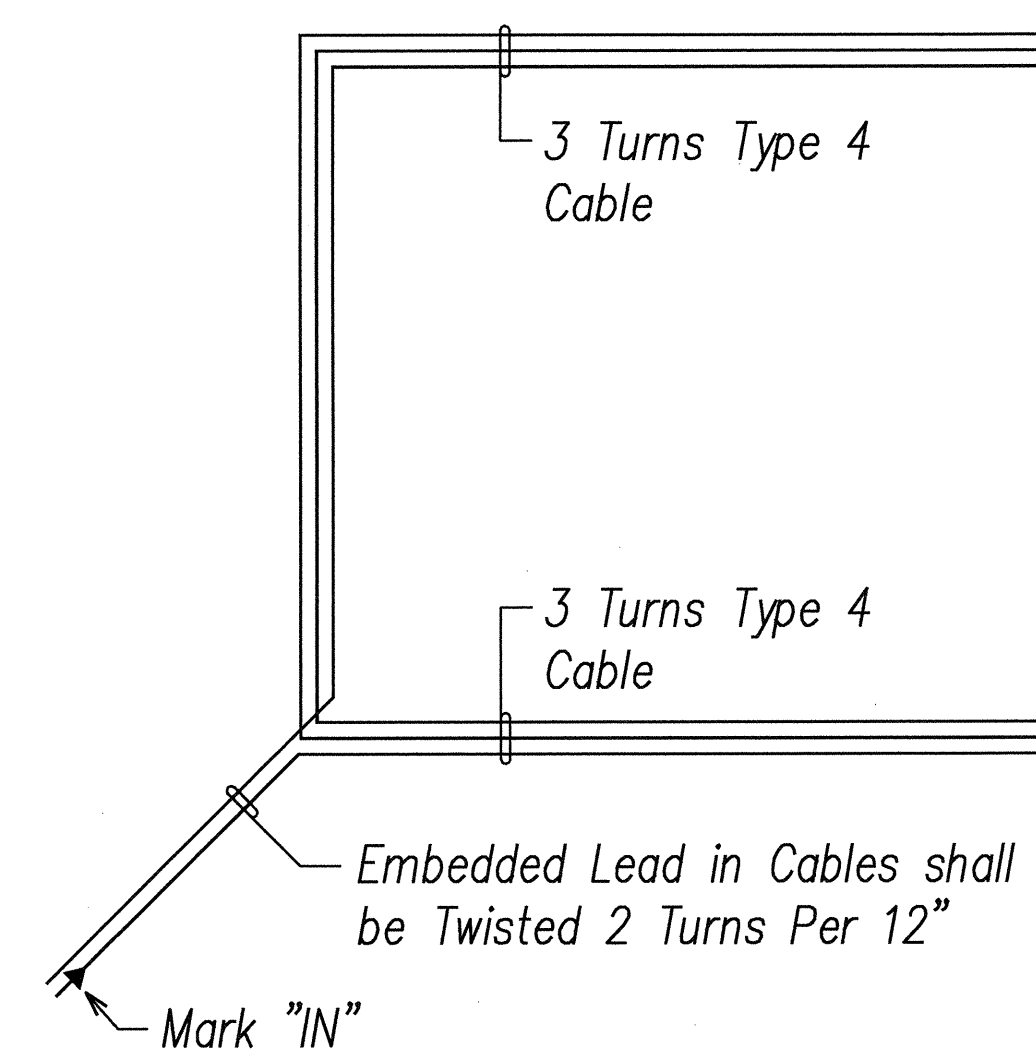
- ### NOTES ON CONSTRUCTION AT END OF SAWCUT
1. Seal roadway end of conduit after installation of conductors.
 2. Install bulkhead across conduit trench.
 3. Place hot tar in sawcut.
 4. Backfill over conduit with new A.C.
 5. Reconstruct curb and gutter as required.

DETAIL OF SENSOR LOOP INSTALLATION AT EDGE OF ROADWAY



PLAN

TYPICAL SENSOR LOOP WIRING DIAGRAM



PLAN

ALTERNATE SENSOR LOOP WIRING DIAGRAM

ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE _____
NOTE BOOK	DRAWN BY _____	_____
	TRACED BY _____	_____
	DESIGNED BY _____	_____
	QUANTITIES BY _____	_____
No. _____	CHECKED BY _____	_____

LAST SAVE: 02/20/07 @ 09:18:50 BY: RN PLOT SC 1'-0"=1'
CHECKED BY: _____

A
E2.21

DETECTOR LOOP DETAILS

Not to Scale

DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LOOP DETECTOR DETAILS

North-South Road
Phase 1B
F.A.I. Proj. No. STP-8930(2)

Scale: AS NOTED Date: Feb 21, 2007

SHEET No. E2.21 OF 62 SHEETS