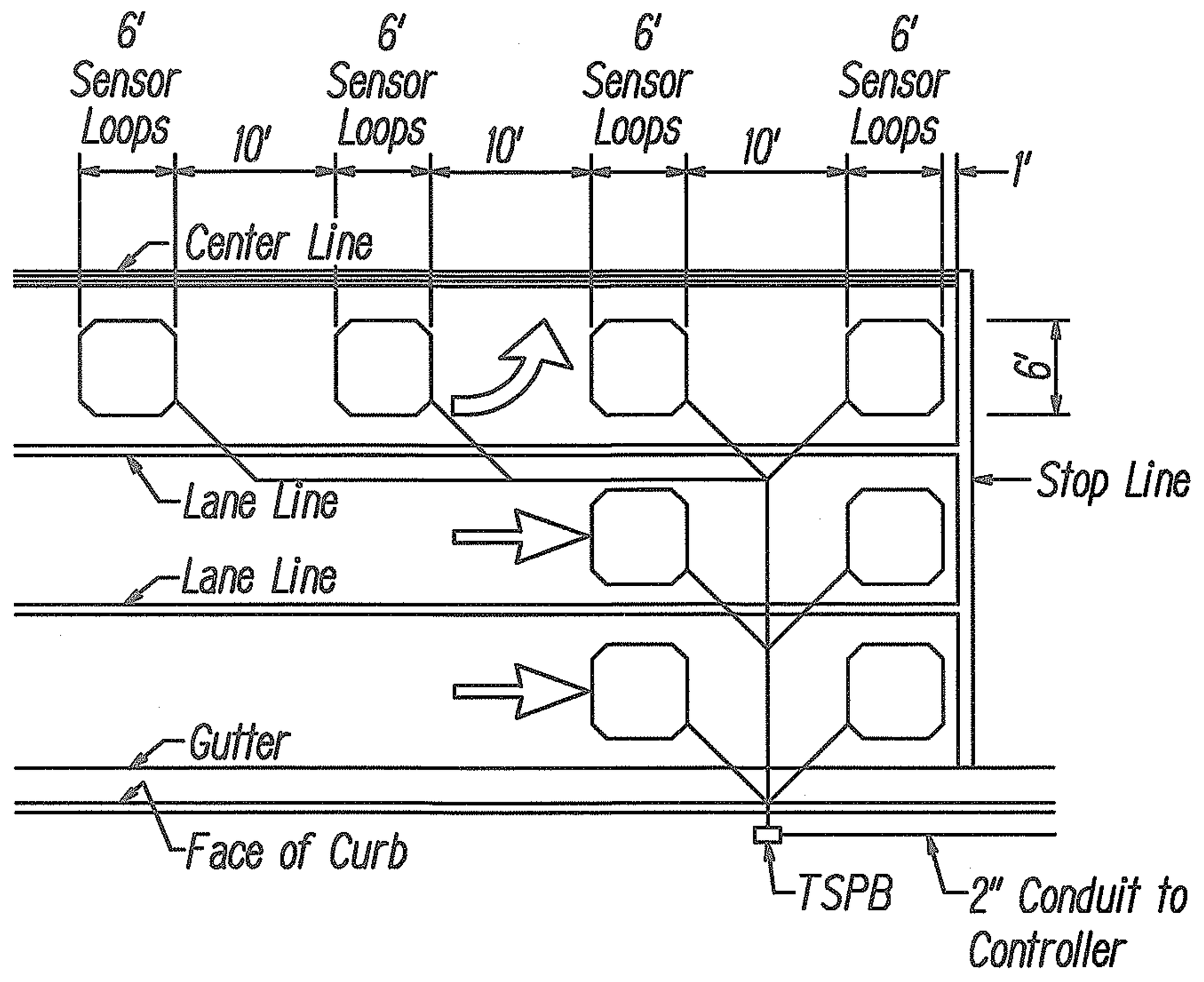
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-M-05-04	2004	21	33

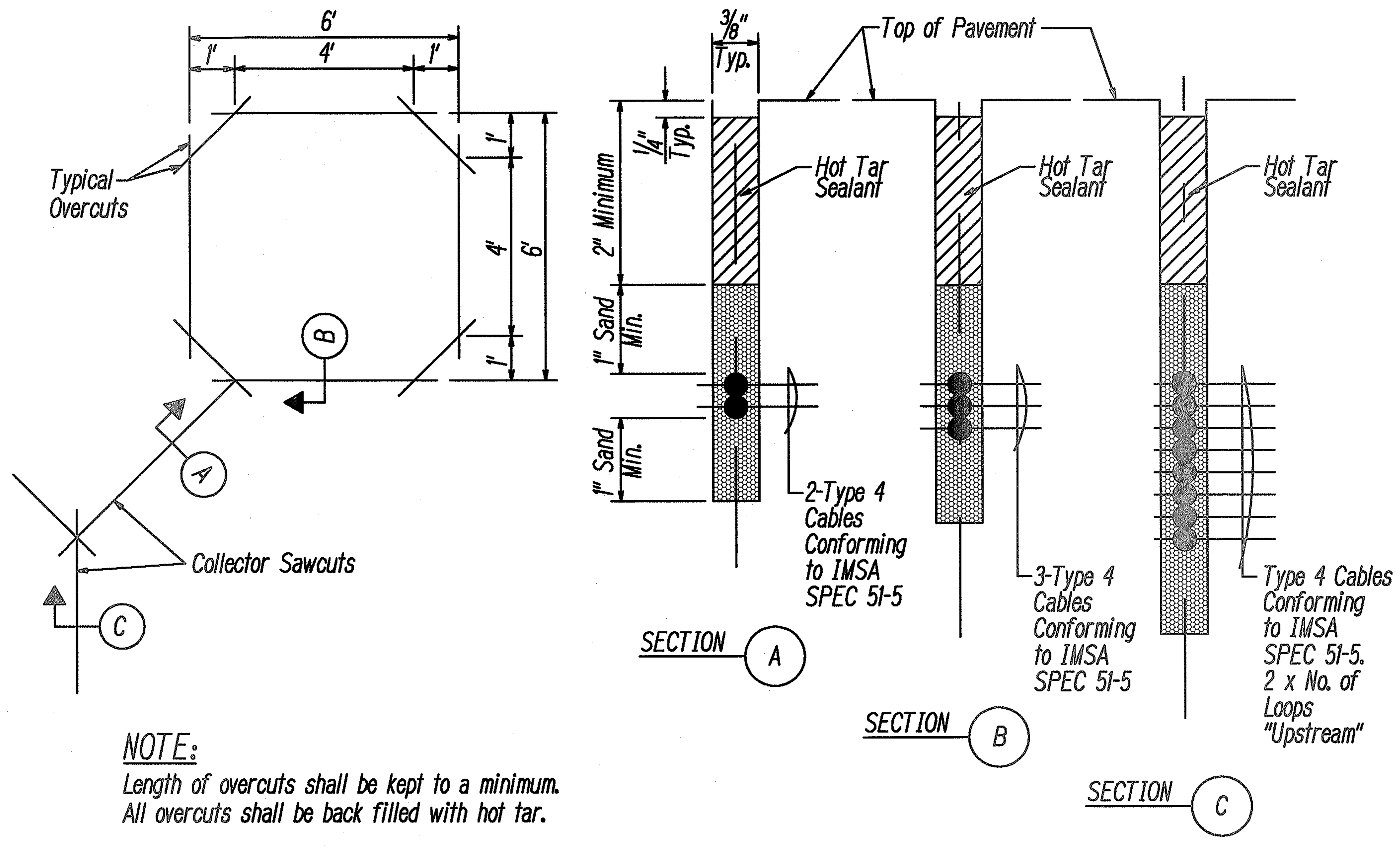


NOTES:

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.

A E-1 | E-12 TYPICAL SENSOR LOOP LAYOUT

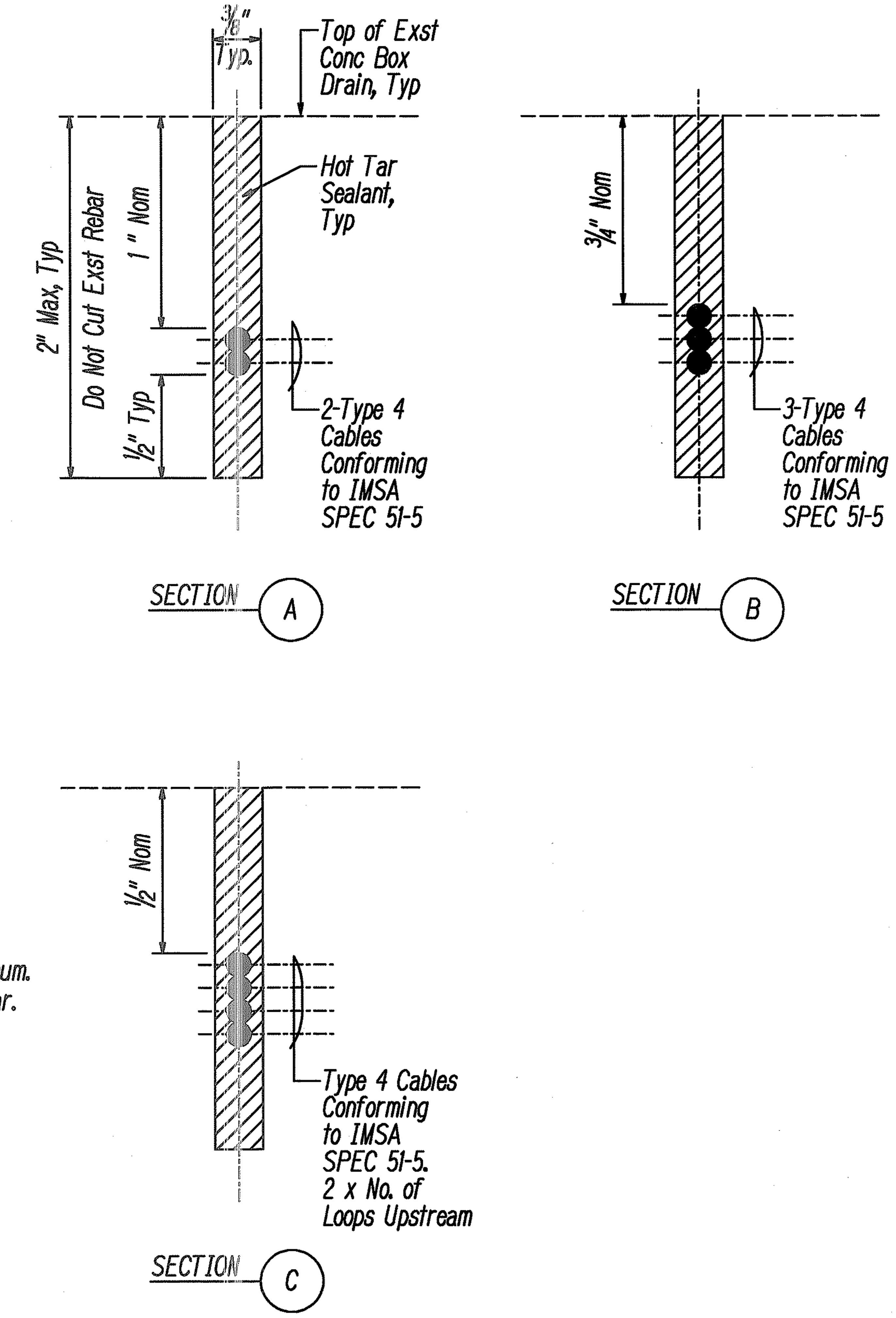
N.T.S.



NOTE:
Length of overcuts shall be kept to a minimum.
All overcuts shall be back filled with hot tar.

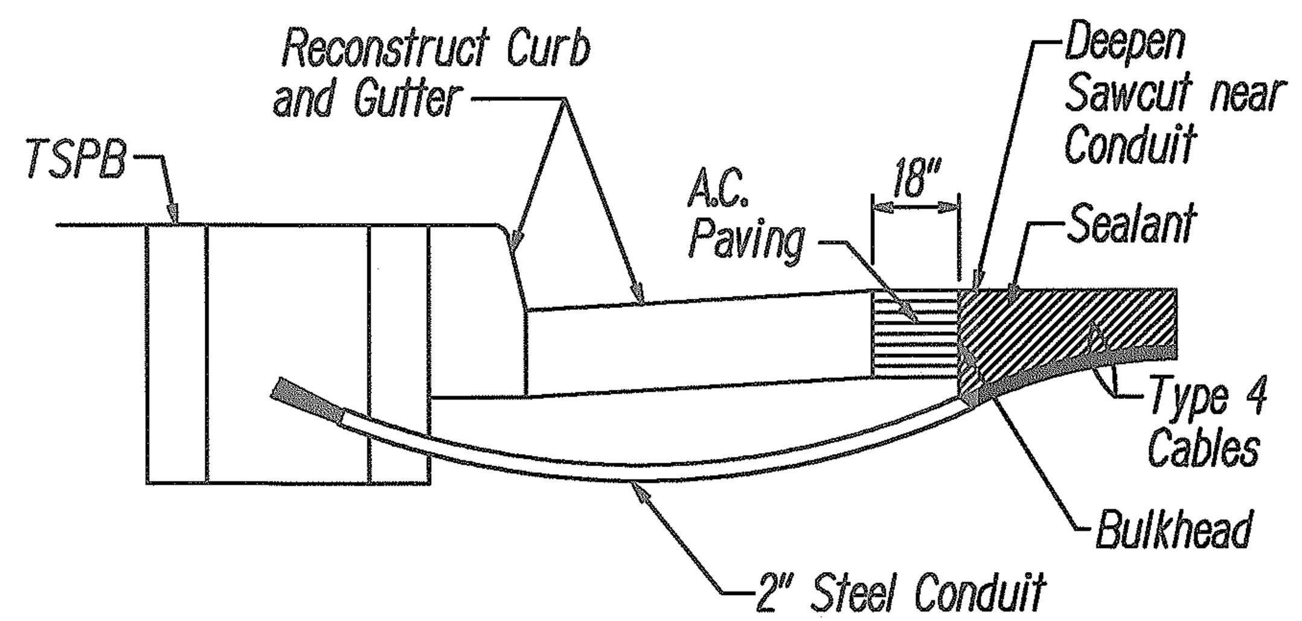
C E-12 | E-12 TYPICAL SENSOR LOOP SAWCUT DETAIL

N.T.S.



E E-3 | E-12 TYPICAL SENSOR LOOP SAWCUT DETAIL AT EXISTING BOX DRAIN

N.T.S.

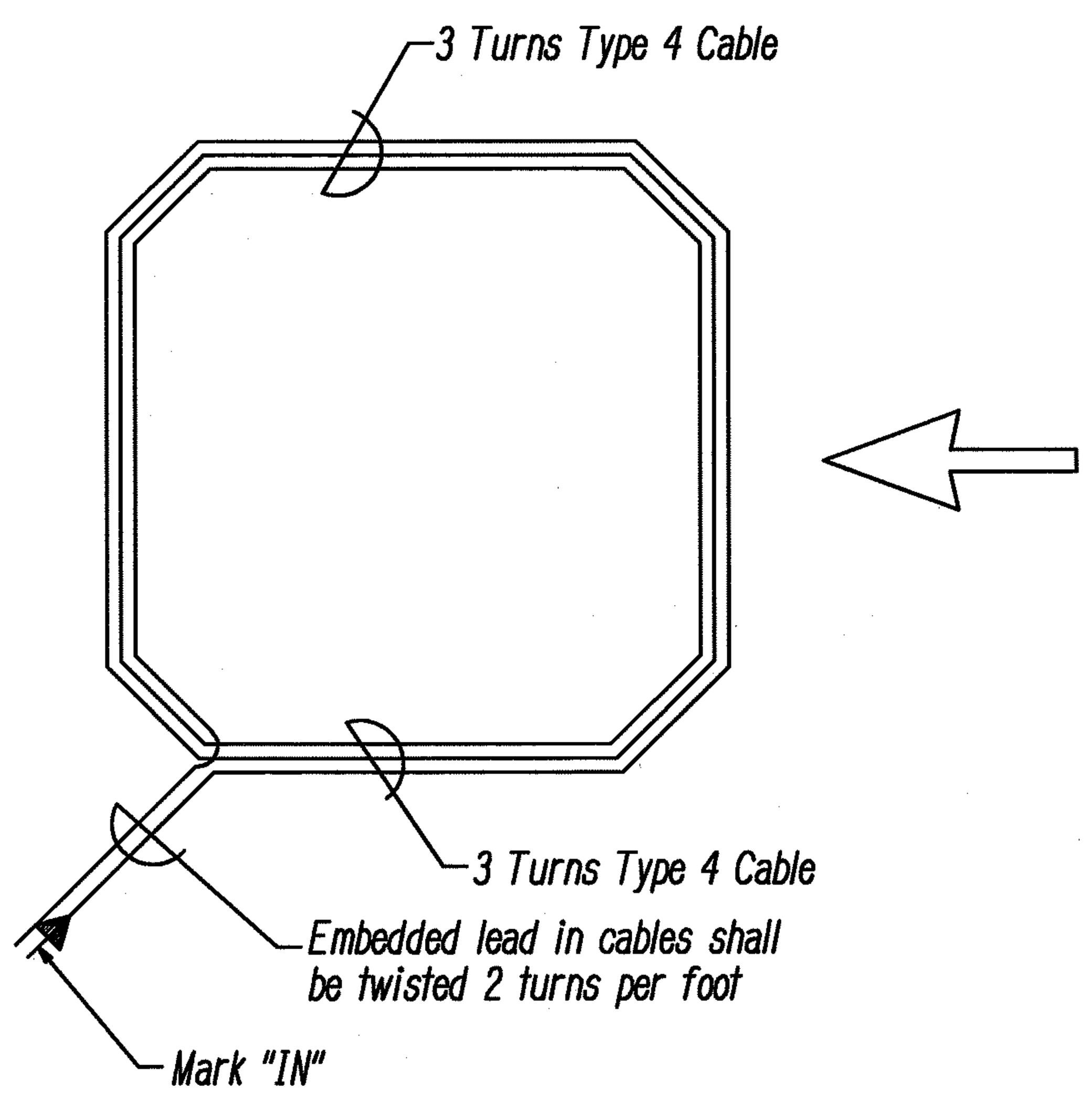


NOTES ON CONSTRUCTION AT END OF SAWCUT

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.

B E-12 | E-12 DETAIL OF SENSOR LOOP INSTALLATION AT EDGE OF ROADWAY

N.T.S.



D E-12 | E-12 TYPICAL SENSOR LOOP WIRING DIAGRAM

N.T.S.

NOTE:
Length of overcuts shall be kept to a minimum.
All overcuts shall be back filled with hot tar.

STEVEN H. SAKAI LICENSED PROFESSIONAL ENGINEER No. 7837-E HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LOOP DETECTORS DETAILS

TRAFFIC OPERATIONAL IMPROVEMENTS AT VARIOUS LOCATIONS PIILANI HIGHWAY AT KANANI ROAD

Scale: AS NOTED Date: MAY 2004

SHEET No. E-12 OF 12 SHEETS

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