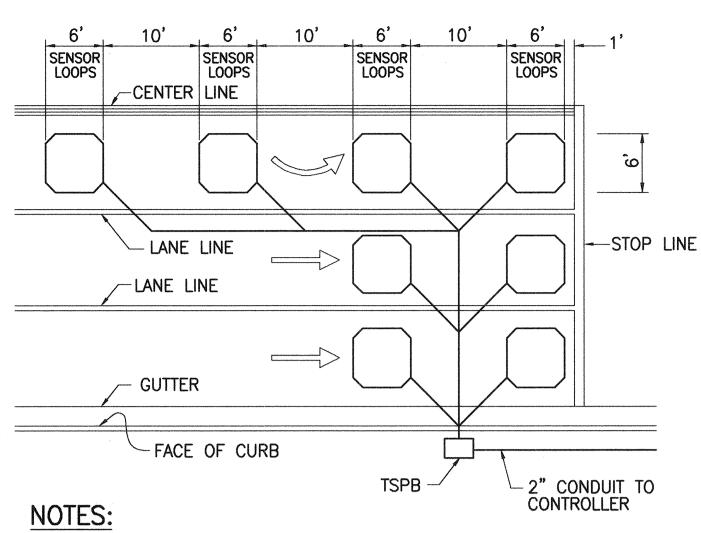


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SHEET No. 1 OF 2 SHEETS



1. CENTER SENSOR LOOPS IN LANES.

MIN.

\*N VARIES

IN PAVEMENT AREAS

1. DETAIL FOR MULTIPLE CONDUIT

TRENCHES SHALL BE SIMILAR.

2. BED COURSE MATERIAL SHALL BE

PASSING A 1/2 INCH SIEVE.

PROVIDE 3" MIN. CLEAR SPACING BETWEEN CONDUITS.

ROCK, OR FINELY GRADED CORAL

BLACK SAND, BEACH SAND, CRUSHED

NOT TO SCALE

NOTES:

1' MIN.

TYPICAL TRENCH DETAIL

- 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 NOT TO SCALE

MIN.

TO EXCAVATION.

FIN. GRADE

-PRIME COAT OR TACK COAT

-SINGLE CONDUIT SHOWN. ACTUAL SIZE AND NUMBER VARIES. SEE BELOW.

TRENCH

WIDTH

0,0

TRENCH

WIDTH

3"-3"-

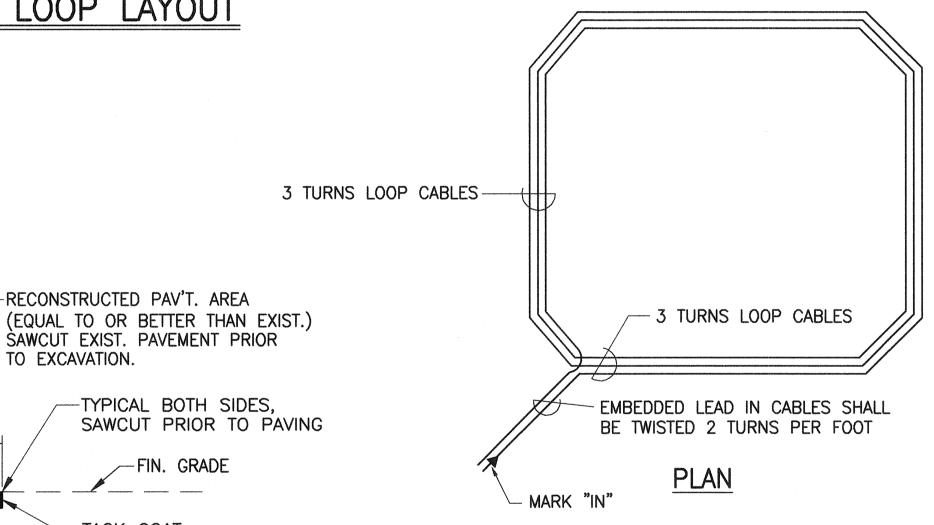
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TACK COAT

AS APPROPRIATE

COMPACTED TYPE "A" BACKFILL

-BED COURSE MATERIAL



TYPICAL OVERCUTS

NOT TO SCALE

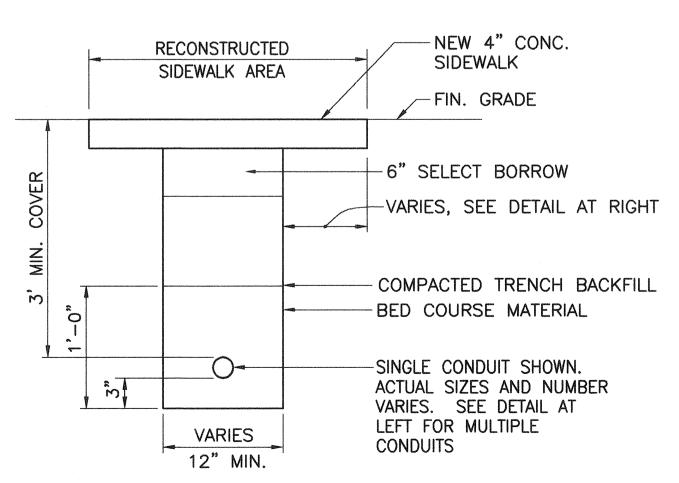
### TYPICAL SENSOR LOOP WIRING DIAGRAM NOT TO SCALE

NOTES:

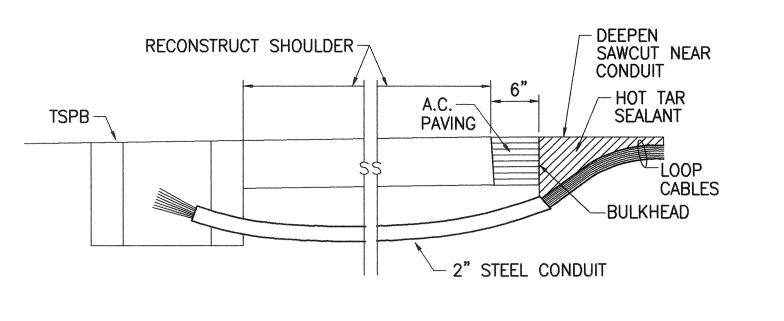
- COLLECTOR SAWCUTS

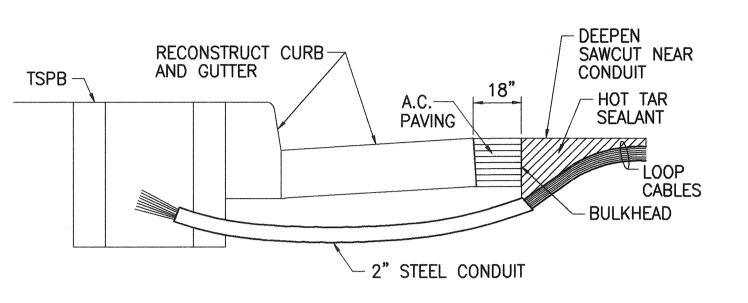
TYPICAL SENSOR LOOP SAWCUT DETAIL

LENGTH OF OVERCUTS SHALL BE KEPT TO A MINIMUM. ALL OVERCUTS SHALL BE BACKFILLED WITH HOT TAR.



TYPICAL TRENCH DETAIL IN SIDEWALK AREAS NOT TO SCALE

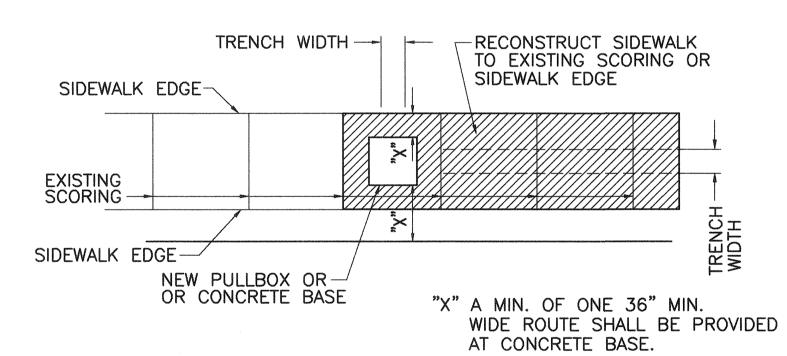




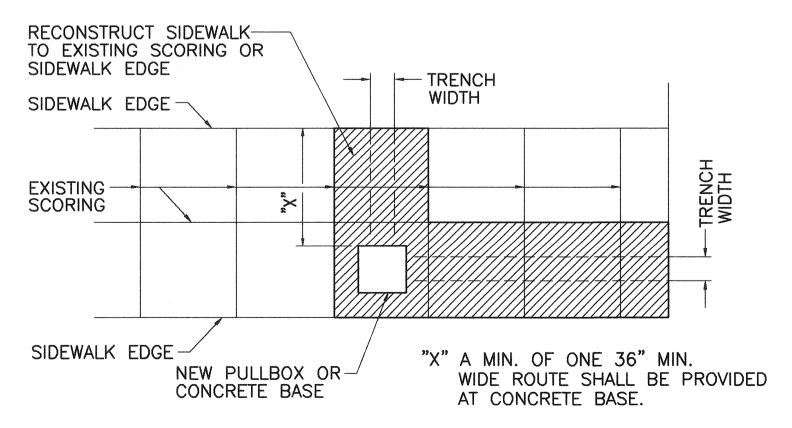
#### NOTES ON CONSTRUCTION AT END OF SAWCUT

- 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 NOT TO SCALE

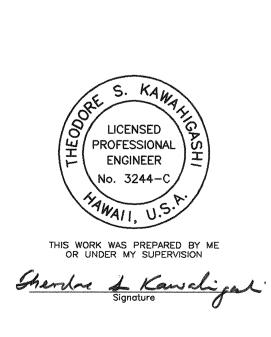


## AT SINGLE BLOCK-WIDTH SIDEWALKS

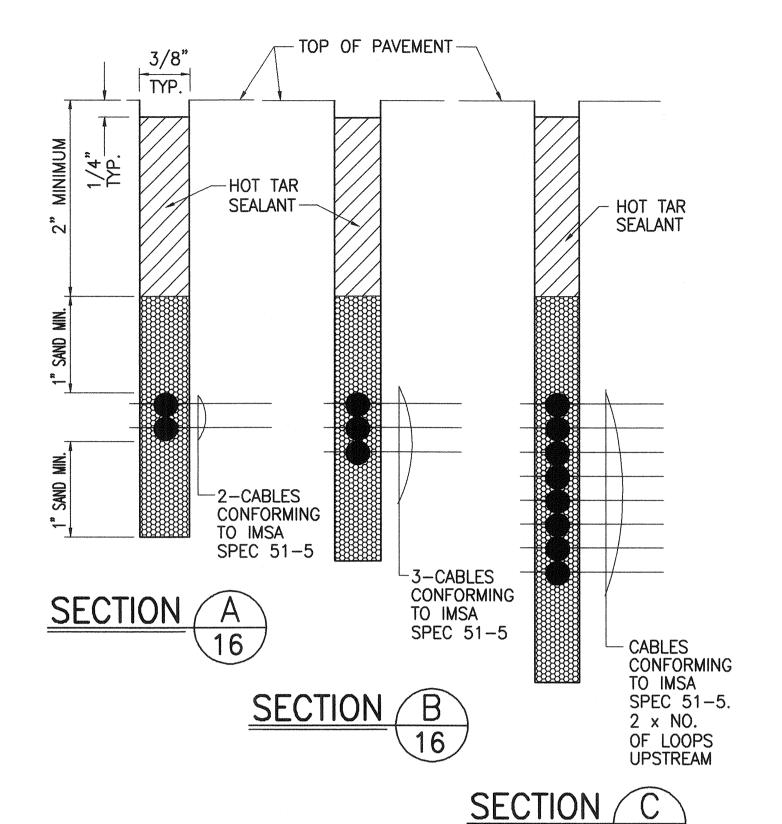


AT MULTIPLE BLOCK-WIDTH SIDEWALKS

SIDEWALK RECONSTRUCTION DETAILS NOT TO SCALE



FED. ROAD DIST. NO. FISCAL SHEET TOTAL FED. AID STATE PROJ. NO. YEAR NO. SHEETS HAW. NH-STP-030-1(27) 2000 HAWAII



STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

# MISCELLANEOUS DETAILS

HONOAPIILANI HIGHWAY TRAFFIC SIGNAL MODERNIZATION, KAANAPALI TOWARDS LAHAINA FED. AID PROJECT NO. NH-STP-030-1(27)

SCALE: AS NOTED

DATE: MAY 1999 SHEET No. 2 OF 2 SHEETS

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