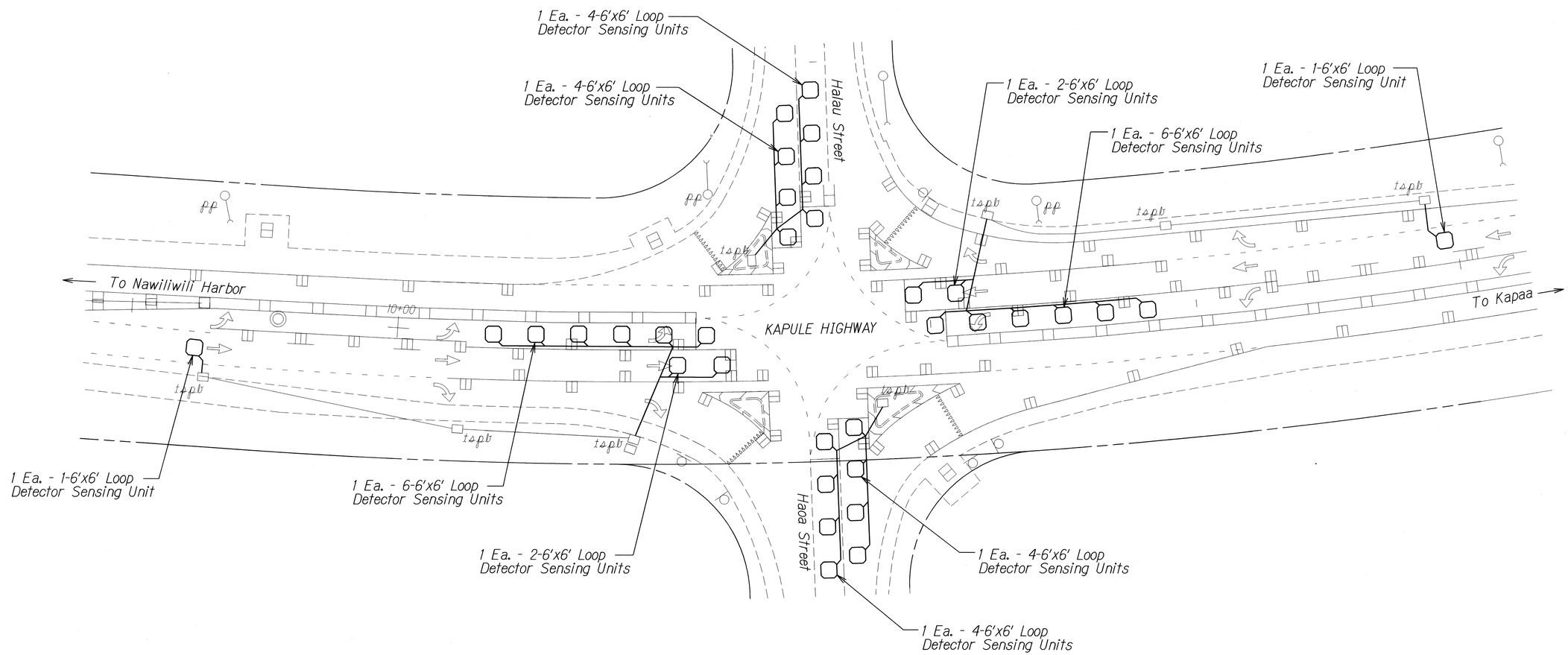
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	51B-01-08M	2008	28	33



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY X	X
NOTE BOOK dd	TRACED BY	
	DESIGNED BY X	X
	QUANTITIES BY	
	CHECKED BY	

APPROVED: (For Work Within County Right-of-Way Only)

FOR Nalau Kuo 4.28.08

County Engineer — Date
County of Kauai

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LOOP DETECTOR PLAN

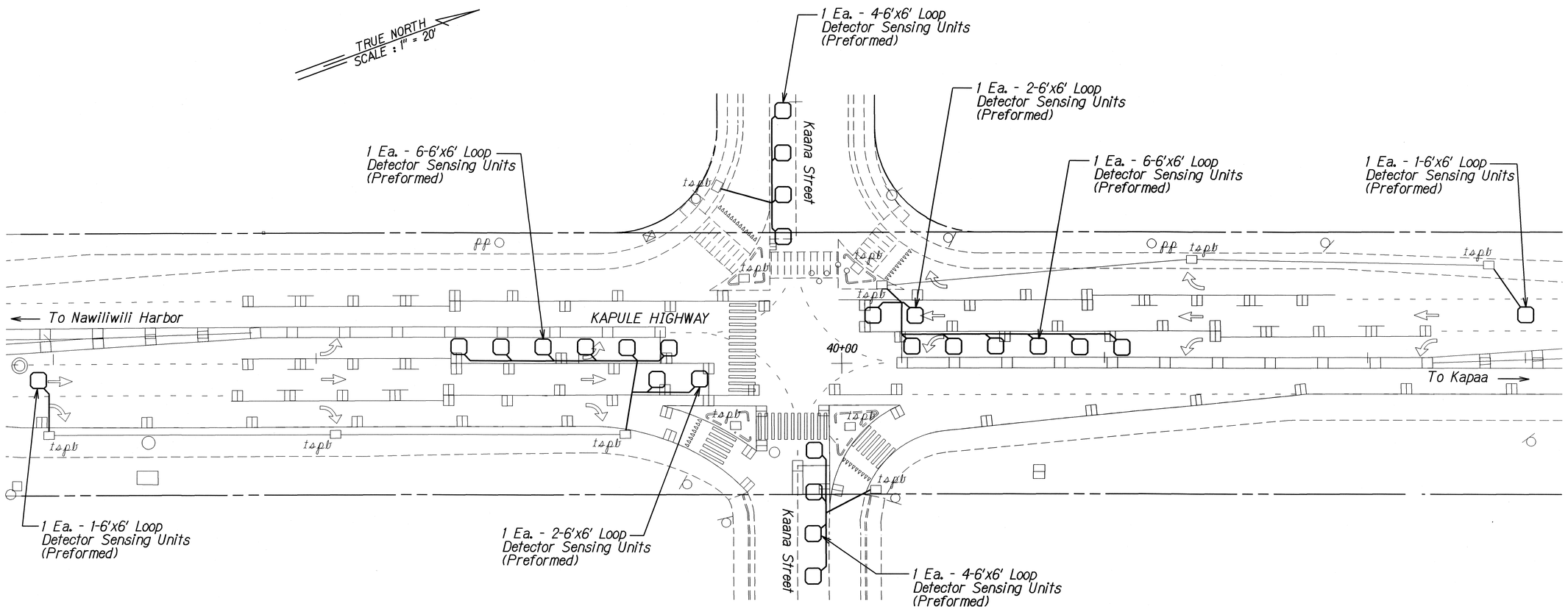
AT HAOA ST./HALAU ST. INTERSECTION

KAPULE HIGHWAY RESURFACING
Rice Street to Ahukini Road
Project No. 51B-01-08M

Scale: 1" = 40' Date: May 2008

SHEET No. 1 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	51B-01-08M	2008	29	33



ORIGINAL PLAN

SURVEY PLOTTED BY _____ DATE _____
DRAWN BY Y
TRACED BY _____
NOTE BOOK DESIGNED BY X
QUANTITIES BY _____
CHECKED BY _____

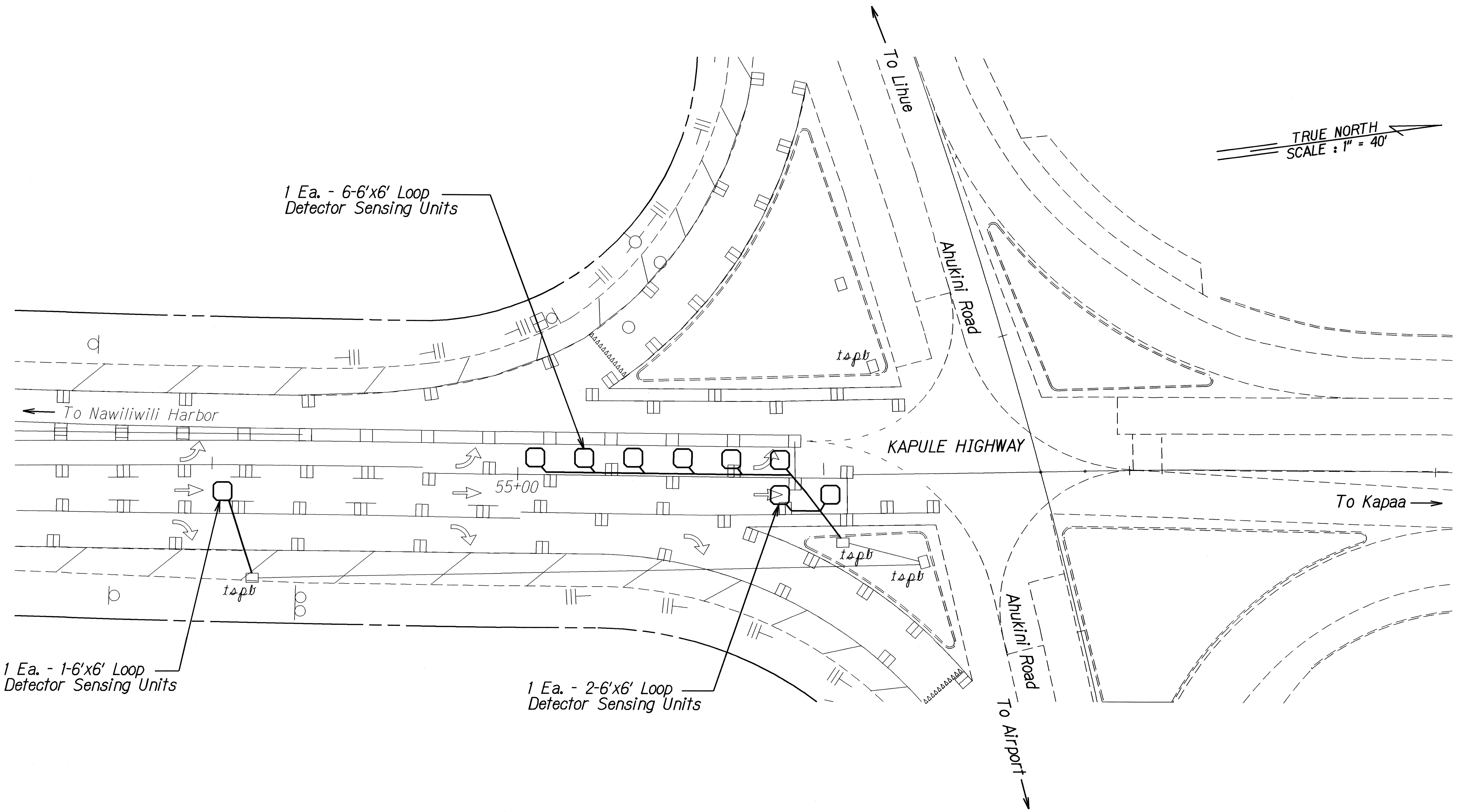
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LOOP DETECTOR PLAN
AT KAANA STREET INTERSECTION
KAPULE HIGHWAY RESURFACING
Rice Street to Ahukini Road
Project No. 51B-01-08M

Scale: 1" = 40' Date: May 2008

SHEET No. 2 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	51B-01-08M	2008	30	33



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LOOP DETECTOR PLAN

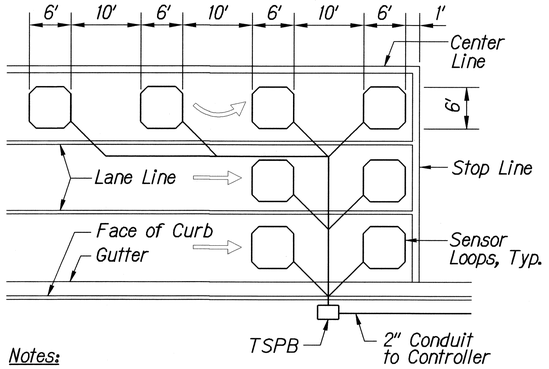
AT AHUKINI ROAD INTERSECTION

KAPULE HIGHWAY RESURFACING
Rice Street to Ahukini Road
Project No. 51B-01-08M

Scale: 1" = 40' Date: May 2008

SHEET No. 3 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	51B-01-08M	2008	31	33

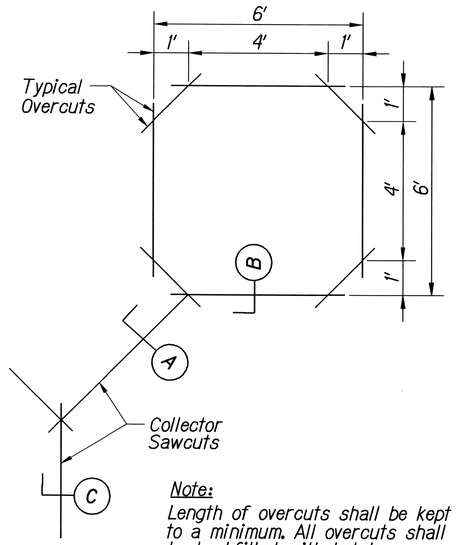


Notes:

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.
5. No sawcutting of UTW for sensor loops or any other work related to loop detector work will be allowed. Any sawcutting of the UTW other than jointing purposes shall be cause to remove the UTW panel and shall be replaced by the Contractor at no cost to the State.

TYPICAL SENSOR LOOP LAYOUT

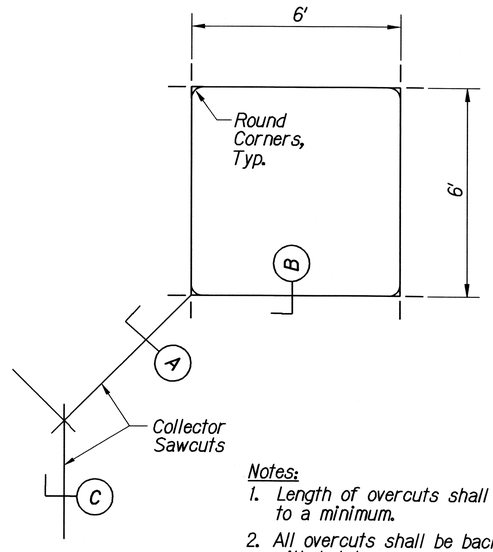
Not to Scale



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

TYPICAL SENSOR LOOP SAWCUT DETAIL

Not to Scale

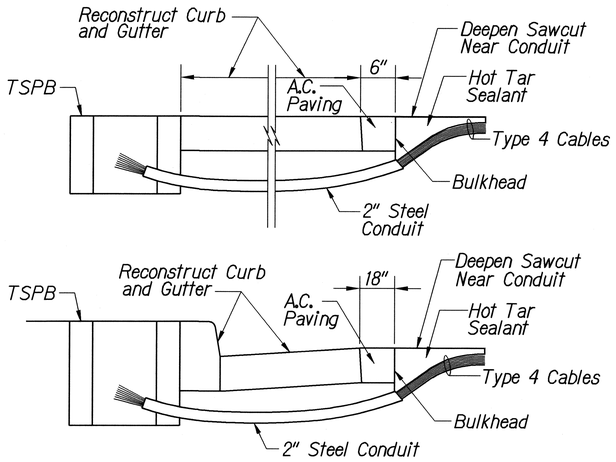


Notes:

1. Length of overcuts shall be kept to a minimum.
2. All overcuts shall be backfilled with hot tar.

ALTERNATE SENSOR LOOP SAWCUT DETAIL

Not to Scale

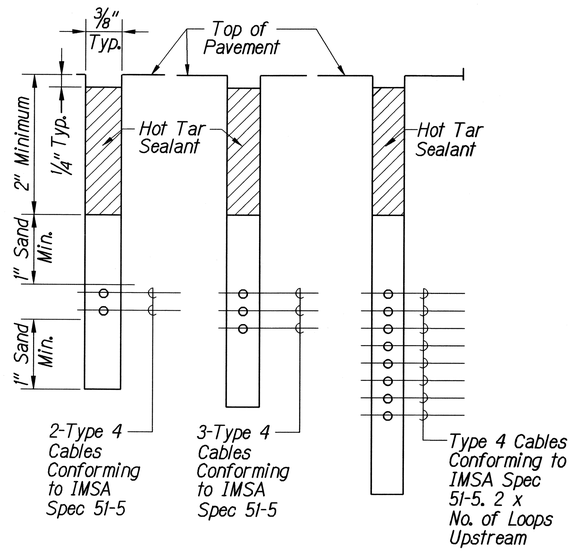


Notes on Construction at End of Sawcut:

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.

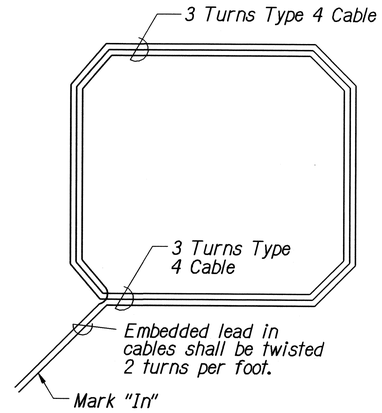
DETAIL OF SENSOR LOOP INSTALLATION AT EDGE OF ROADWAY

Not to Scale



DETAIL OF SENSOR LOOP INSTALLATION AT EDGE OF ROADWAY

Not to Scale



PLAN

TYPICAL SENSOR LOOP WIRING DIAGRAM

Not to Scale

ORIGINAL PLAN
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
NOTE BOOK
QUANTITIES BY
CHECKED BY
DATE 8/07

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LOOP DETECTOR DETAILS

KAPULE HIGHWAY RESURFACING
Rice Street to Ahukini Road
Project No. 51B-01-08M

Not to Scale — Date: May 2008

SHEET No. 1 OF 1 SHEETS