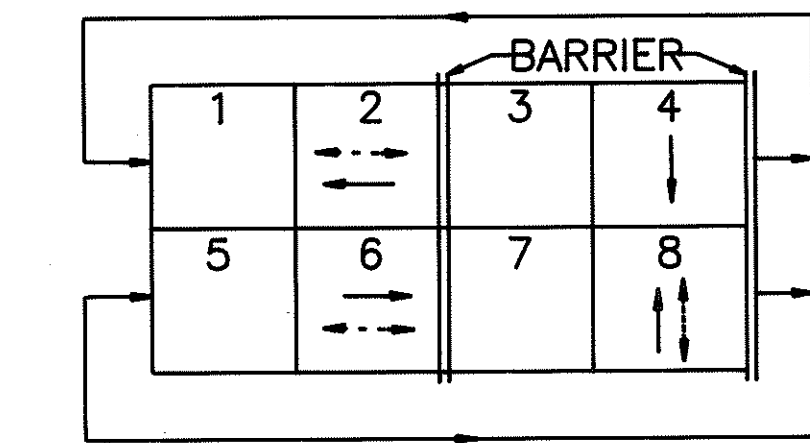
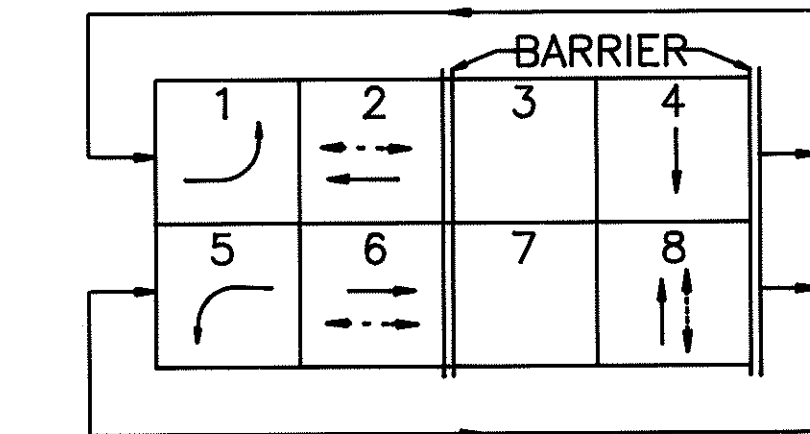


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	92A-02-90	1992	5	8

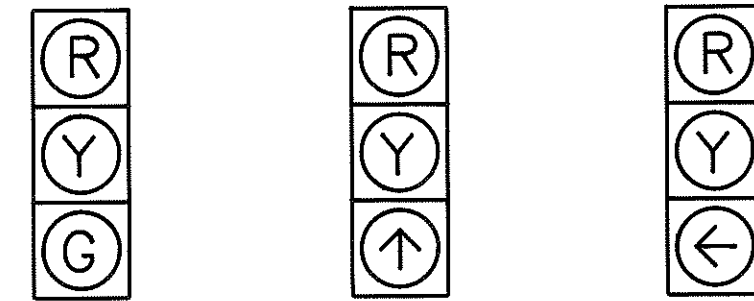


EXISTING PHASE DIAGRAM



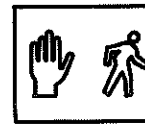
NEW PHASE DIAGRAM

MODEL 170 CONTROLLER
MODEL 332 CABINET



A-1 (EXIST.) E-3 C-1
B-1 (EXIST.) E-4 (EXIST.) D-1*
E-1 H-2 (REMOVE) C-1
E-2 (EXIST.) H-3 (EXIST.) H-1*
E-3 (REVISE) H-4 (EXIST.)
F-1
I-1

*PROGRAMMABLE VISIBILITY SIGNAL HEAD.



A-2 (REMOVE)
A-3 (EXIST.)
B-2 (EXIST.)
E-5 (EXIST.)
F-2
G-2
H-5 (EXIST.)
H-6 (EXIST.)
I-2

CONDUIT	CABLE
2"	1-26C #14
2"	1- 2C #14

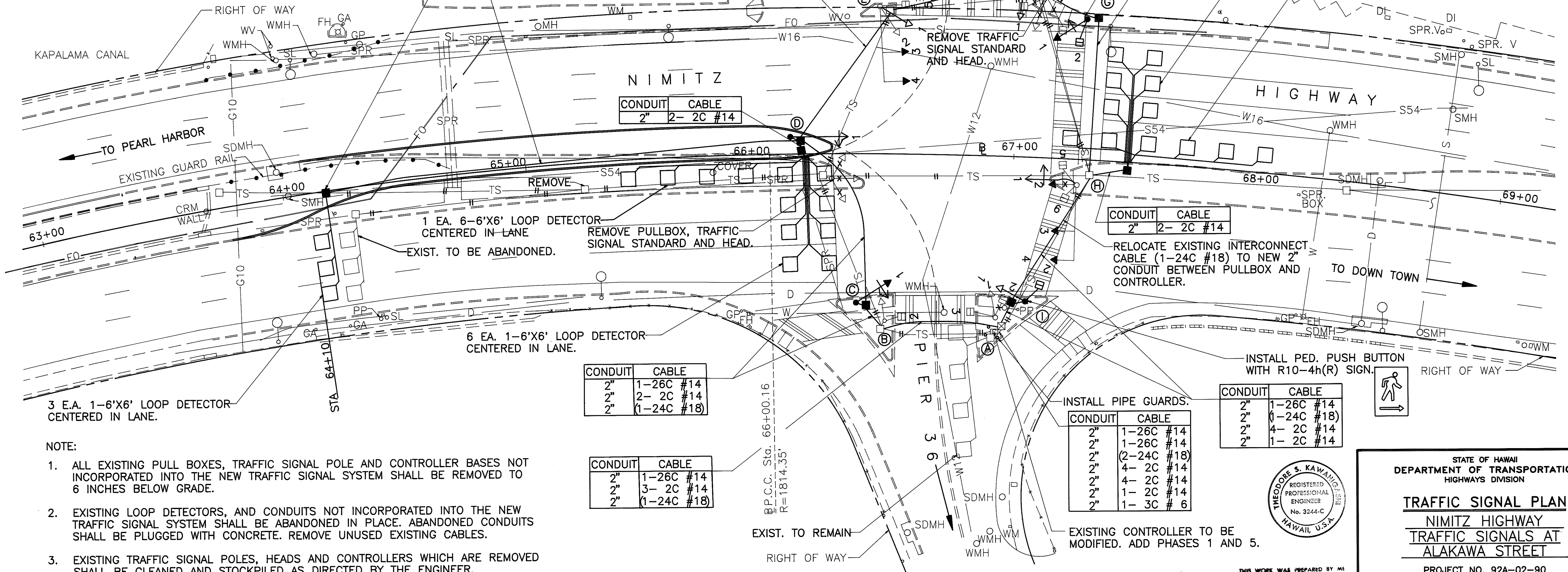
CONDUIT	CABLE
2"	1-26C #14
2"	SPARE

CONDUIT	CABLE
2"	2- 2C #14

CONDUIT	CABLE
2"	1-26C #14
2"	2- 2C #14
2"	(1-24C #18)

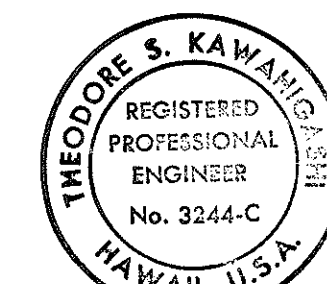
CONDUIT	CABLE
2"	1-26C #14
2"	3- 2C #14
2"	(1-24C #18)

INTERCEPT EXISTING 2" CONDUIT AND RELOCATE EXISTING INTERCONNECT CABLE (1-24C #18) TO NEW 2" CONDUITS BETWEEN PULLBOX AND CONTROLLER.



NOTE:

- ALL EXISTING PULL BOXES, TRAFFIC SIGNAL POLE AND CONTROLLER BASES NOT INCORPORATED INTO THE NEW TRAFFIC SIGNAL SYSTEM SHALL BE REMOVED TO 6 INCHES BELOW GRADE.
- EXISTING LOOP DETECTORS, AND CONDUITS NOT INCORPORATED INTO THE NEW TRAFFIC SIGNAL SYSTEM SHALL BE ABANDONED IN PLACE. ABANDONED CONDUITS SHALL BE PLUGGED WITH CONCRETE. REMOVE UNUSED EXISTING CABLES.
- EXISTING TRAFFIC SIGNAL POLES, HEADS AND CONTROLLERS WHICH ARE REMOVED SHALL BE CLEANED AND STOCKPILED AS DIRECTED BY THE ENGINEER.
- (1-24C #18) DESIGNATES EXISTING CABLE TO BE REMOVED AND RELOCATED TO NEW CONDUIT. SPLICING OF CABLE WILL NOT BE ALLOWED.



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
Theodore S. Kawahigashi
Signature

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

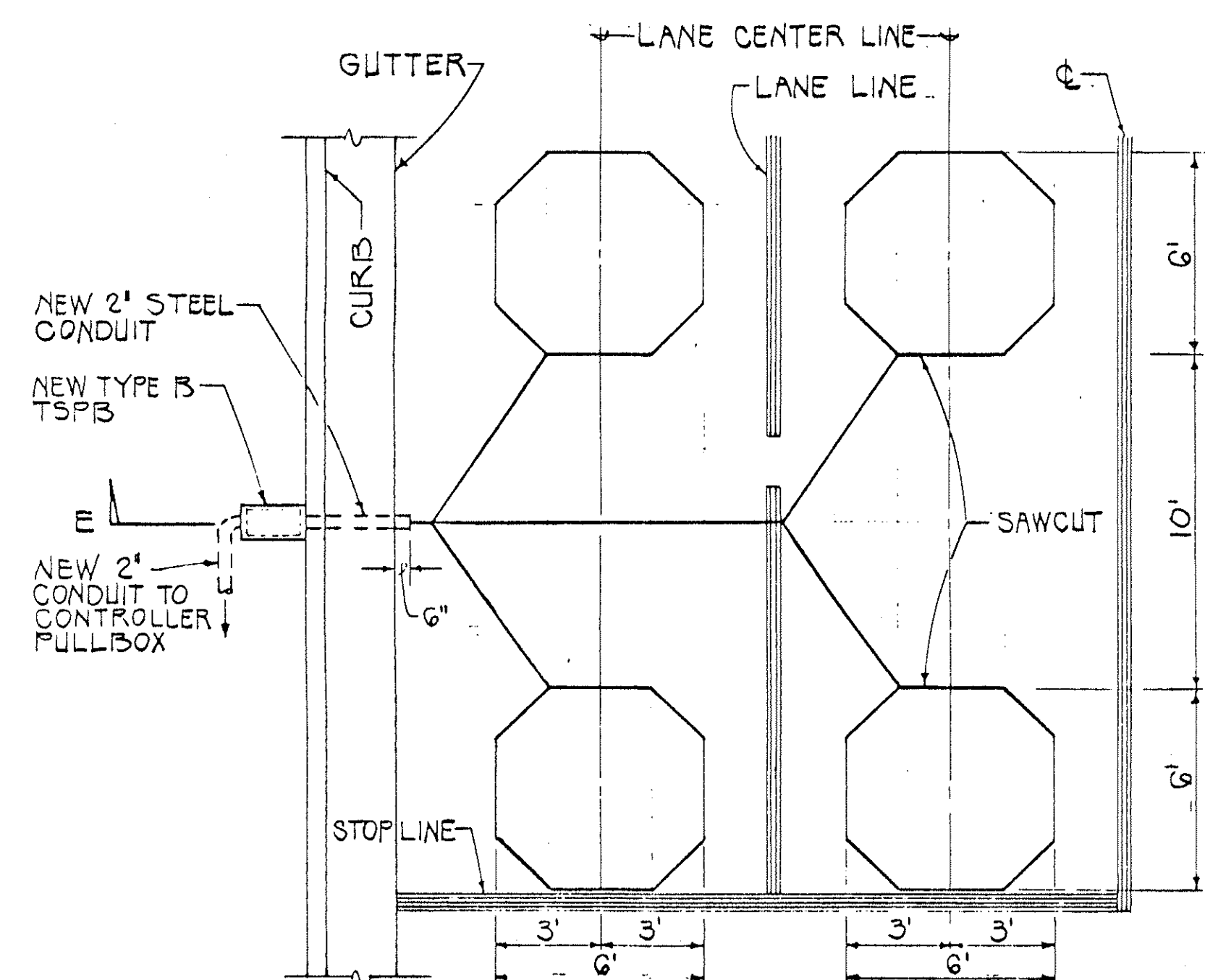
TRAFFIC SIGNAL PLAN

NIMITZ HIGHWAY
TRAFFIC SIGNALS AT
ALAKAWA STREET

PROJECT NO. 92A-02-90

SCALE: 1" = 20' DATE: APRIL 1992
SHEET NO. 1 OF 1 SHEETS

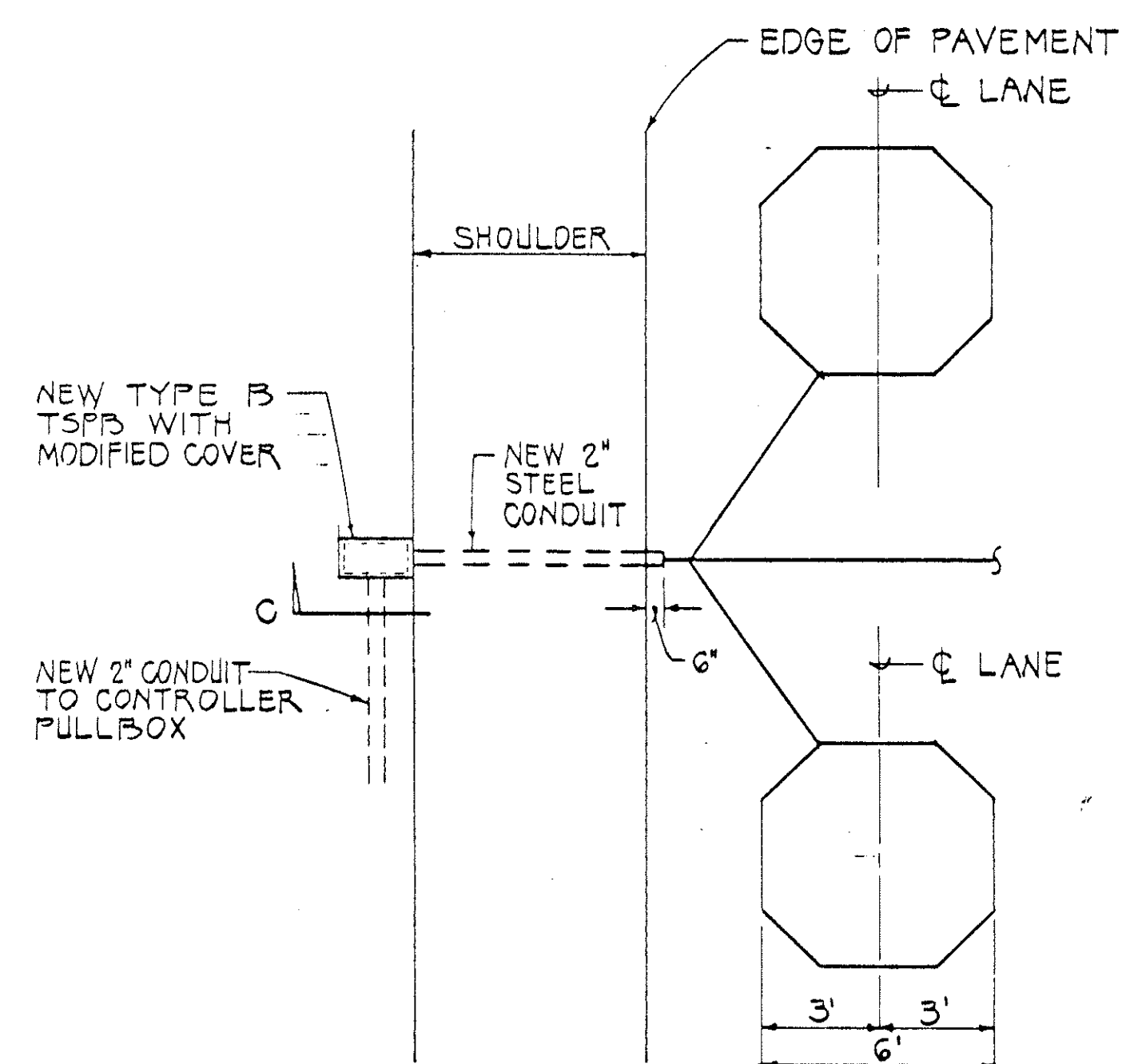
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	92A-02-90	1992	6	8



NOTE: ADD ONE PAIR OF LOOPS FOR EACH ADDITIONAL LANE

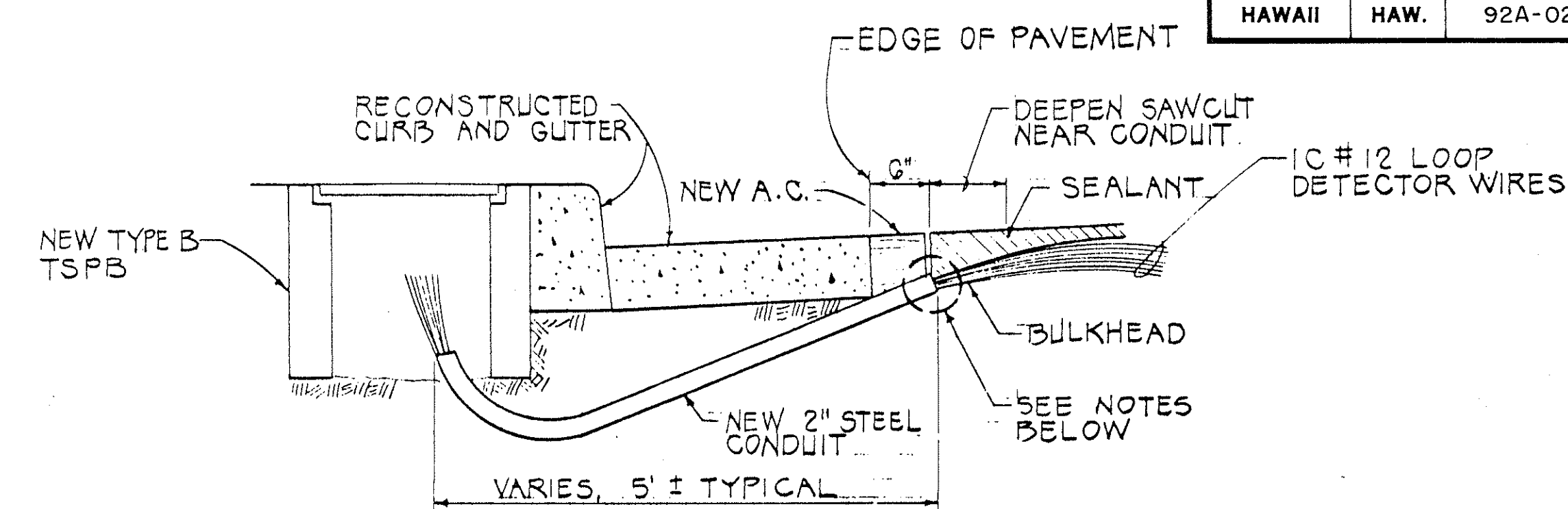
TYPICAL LAYOUT AT STOPLINES

SCALE: 1/4" = 1'-0"



TYPICAL LAYOUT AT SHOULDER AREAS

SCALE: $1/4" = 1'-0"$

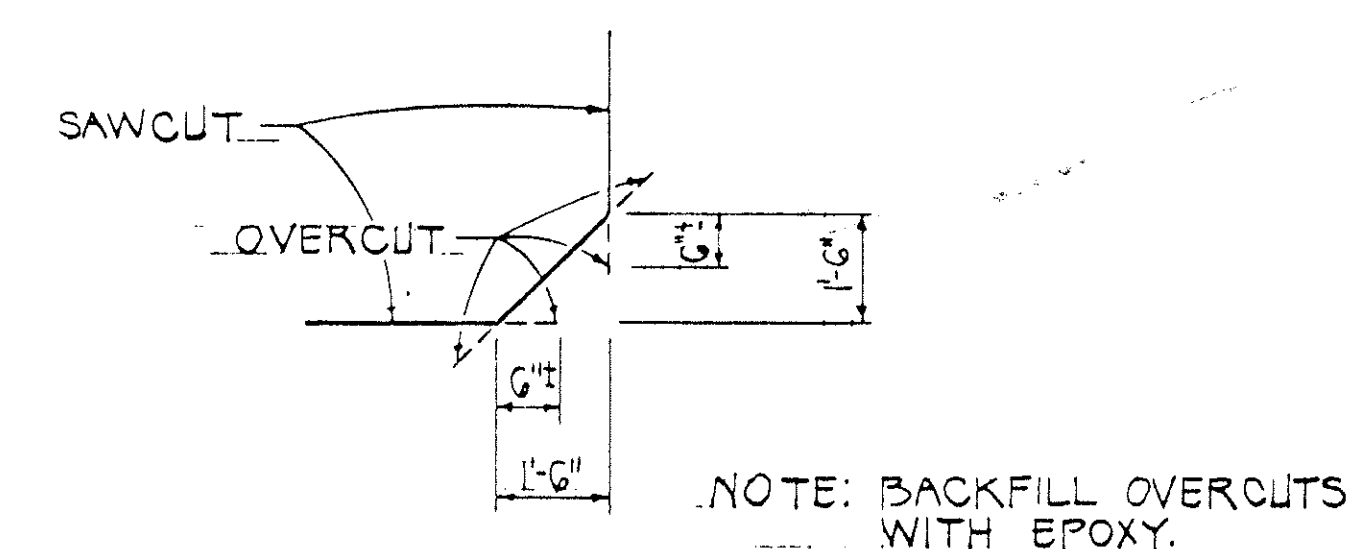


NOTES:

1. SEAL ROADWAY END OF CONDUIT AFTER INSTALLATION OF CONDUCTORS.
2. INSTALL BULKHEAD ACROSS CONDUIT TRENCH.
3. PLACE APPROVED SEALANT IN SAWCUT
4. BACKFILL OVER CONDUIT WITH NEW A.C.
5. RECONSTRUCT CURB AND GUTTER AS REQUIRED.

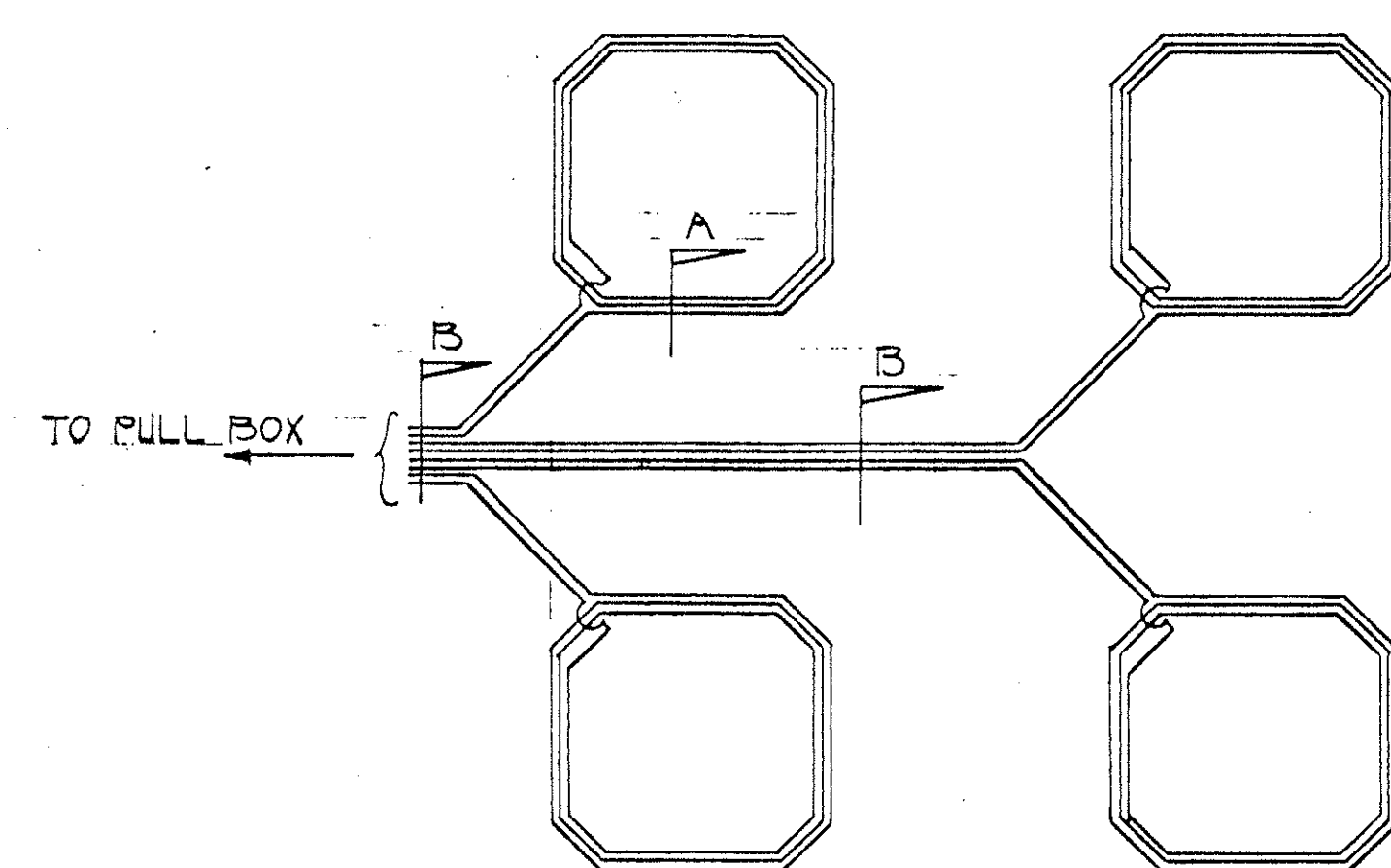
SECTION E

NOT TO SCALE



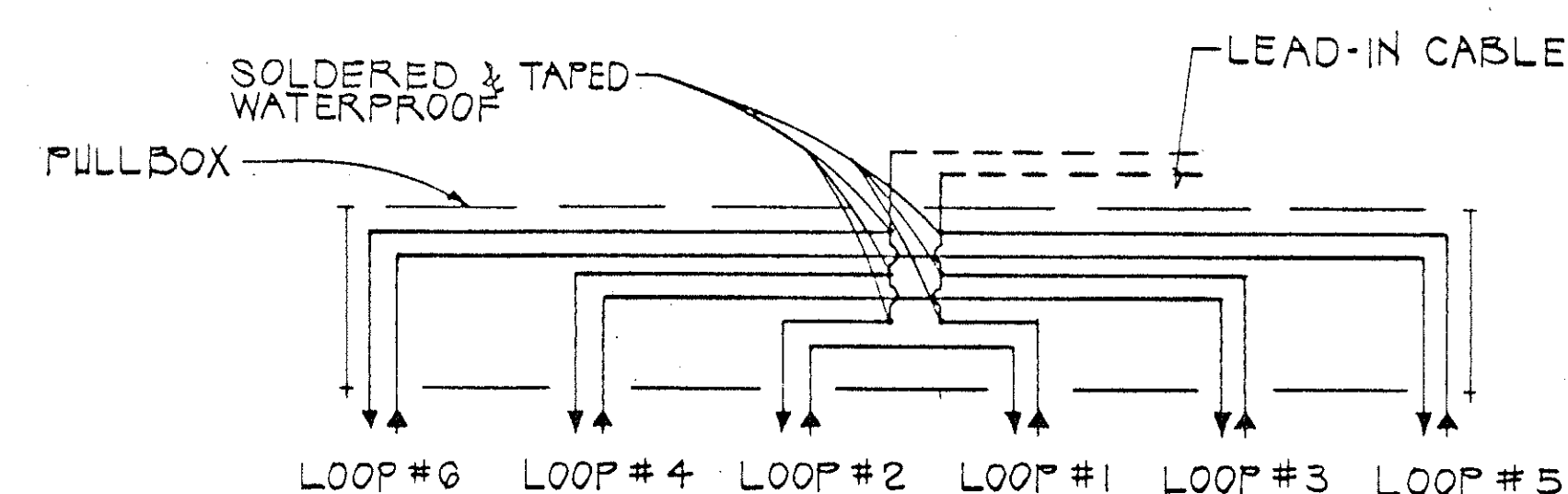
DETAIL OF SAWCUT AT CORNERS

NOT TO SCALE



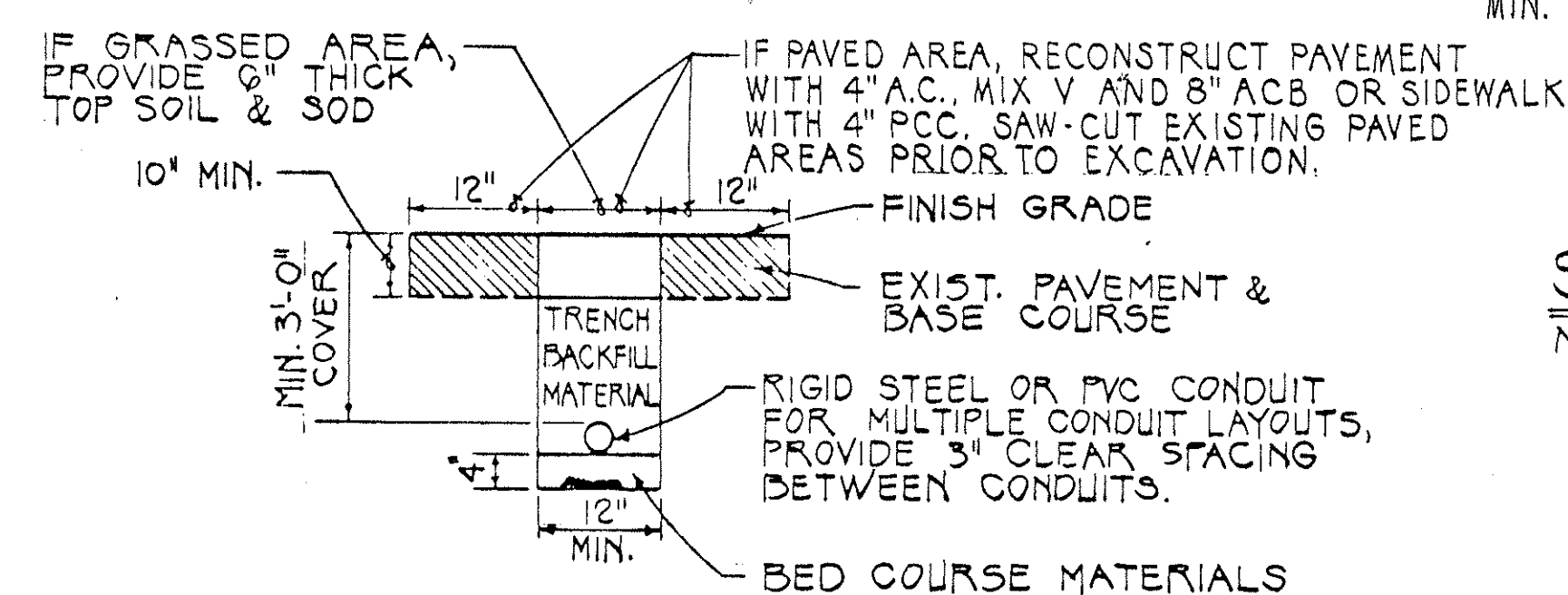
WIRING DIAGRAM

NOT TO SCALE



DETAIL "A"

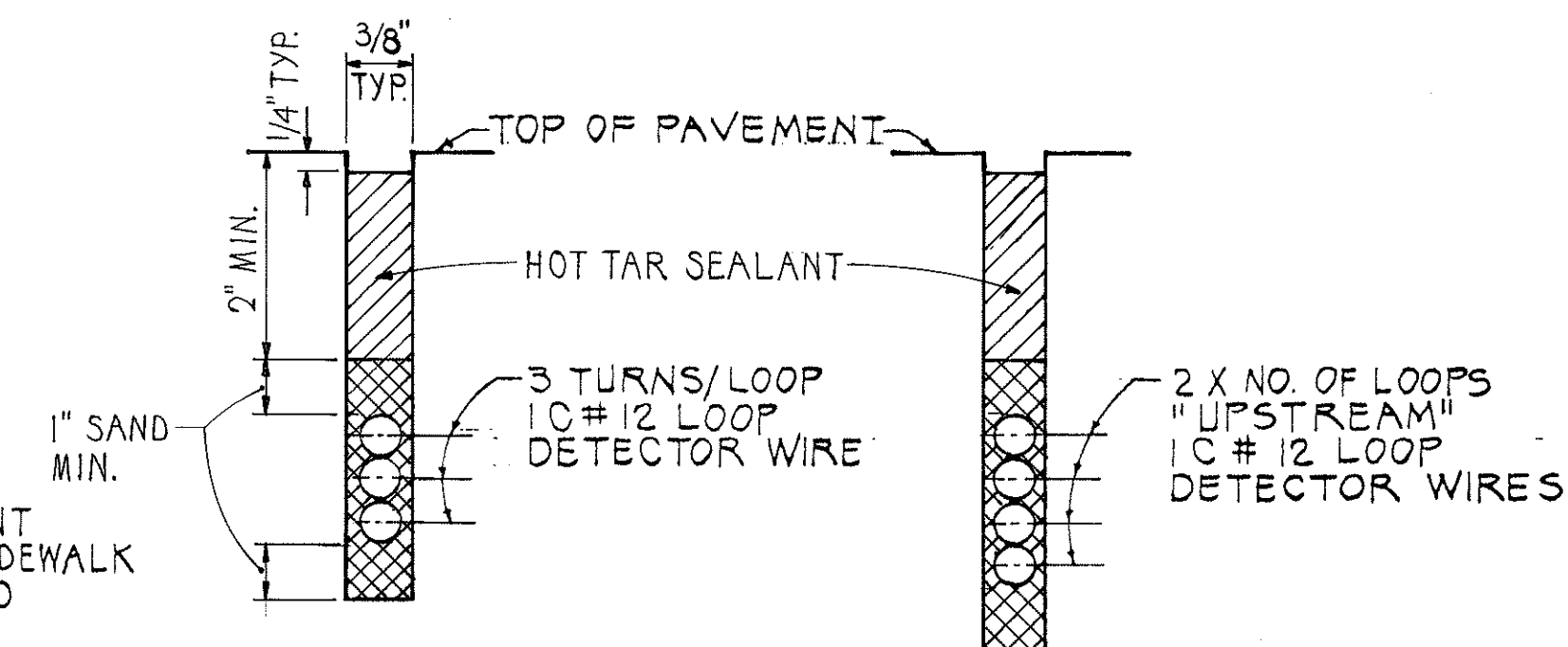
TYPICAL SERIES - PARALLEL LOOP CONNECTION



SECTION C

NOT TO SCALE

NOTE: ALL CONDUITS UNDER ROADWAYS SHALL BE STEEL
OR PVC SCHEDULE 80

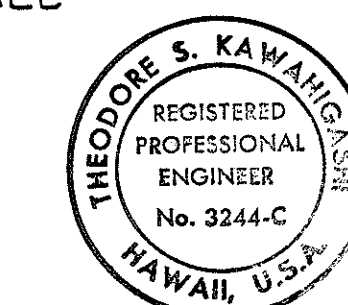


SECTION A

NOT TO SCALE

SECTION B

NOT TO SCALE



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LOOP DETECTOR DETAILS

NIMITZ HIGHWAY
TRAFFIC SIGNALS AT
ALAKAWA STREET
PROJECT NO. 92A-02-90

SCALE: AS NOTED DATE: APRIL 1992

SHEET No. 1 OF 1 SHEETS