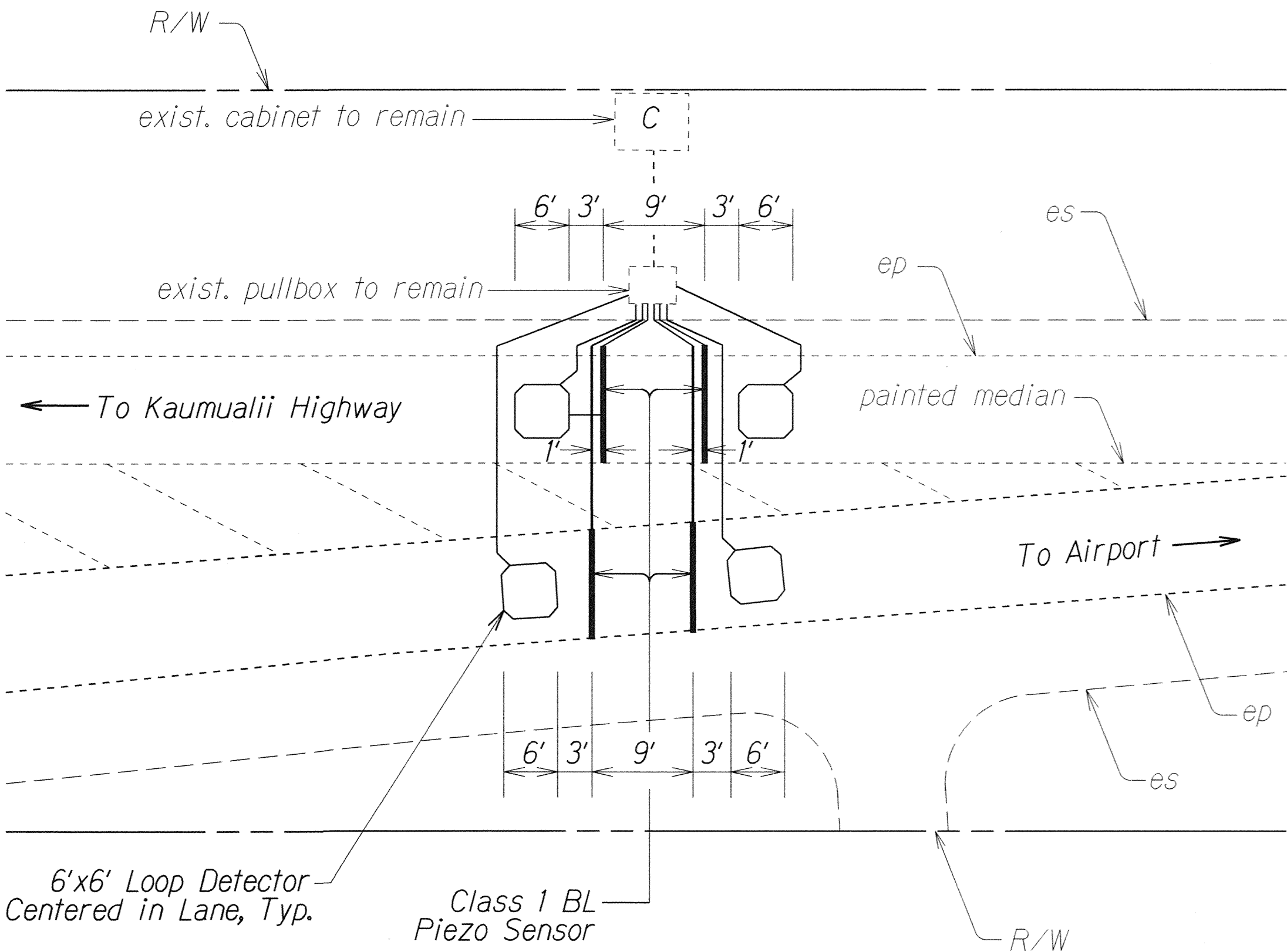


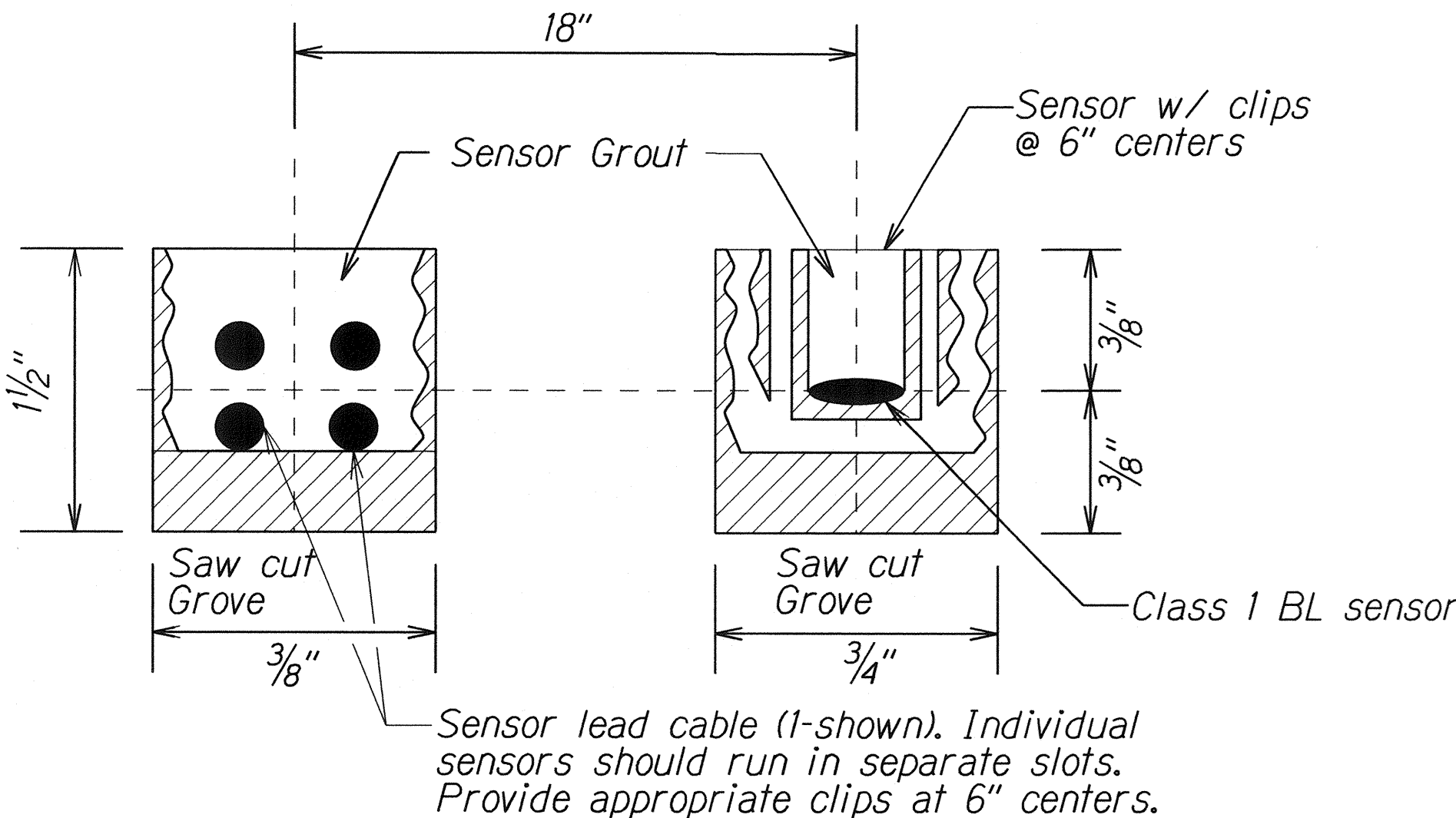
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	58A-01-14M	2016	21	23

Notes:

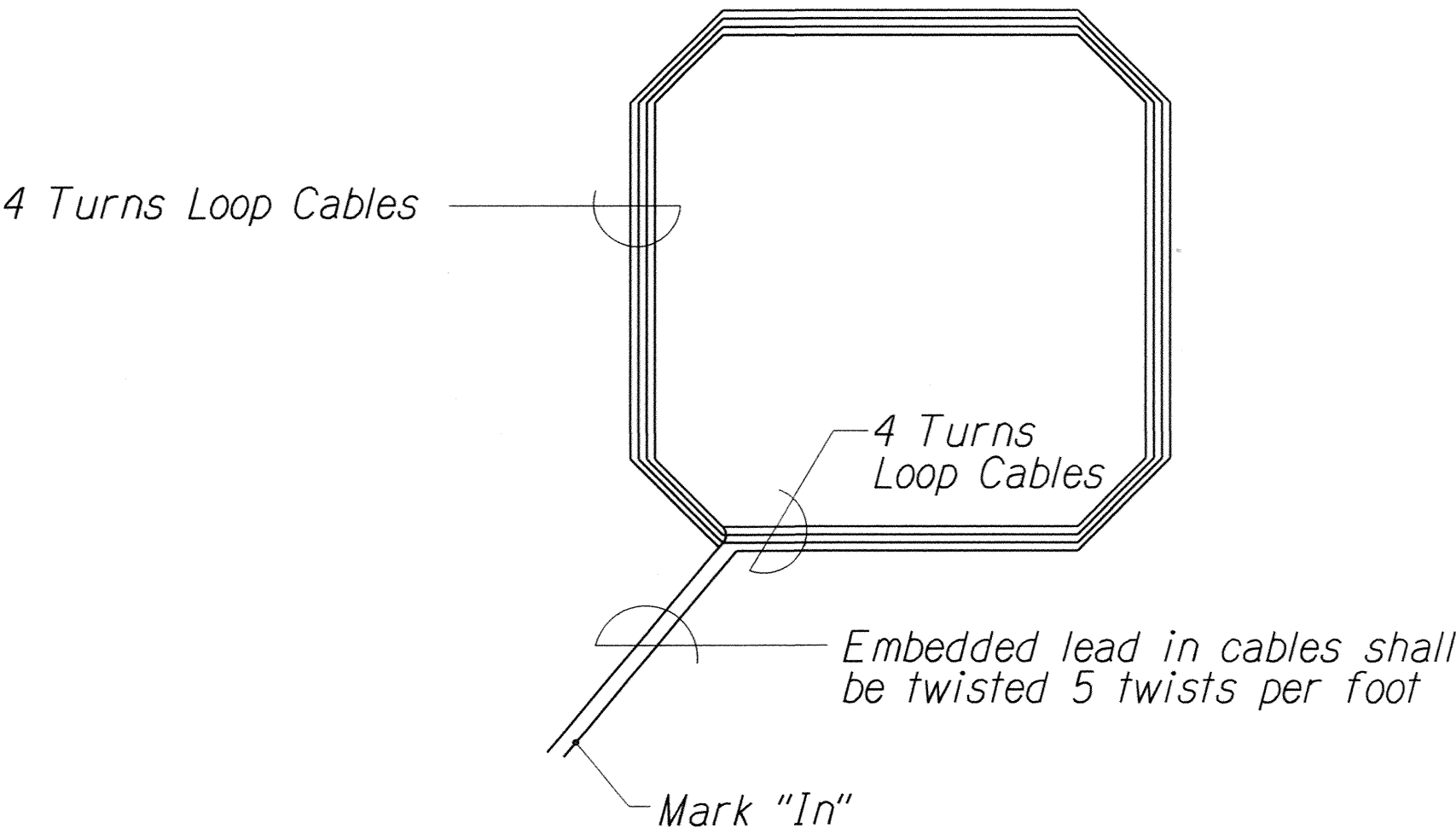
1. The Contractor shall inform the Engineer at least three days prior to saw-cutting pavement and installing inductance loops.
2. Contunuity of inductance loops and lead-in wire shall be tested and warranted for one year from date of accpetance by the Contractor.
3. Upon completion of sleeve, pull in in-bound lanes loop detectors cable and class 1 BL sensor cables, cables shall be tested for acceptance before and after installation into sleeve.
4. The Contractor shall restore all affected areas to their original conditions, This work shall be considered incidental to Item 623.1000 - Vehicle Counting and Classification System and will not be paid separately.
5. Detector loop shall consist of four turns of 1c#14 cable meeting IMSA spec 51-3 or equivalent embedded in a 3/8" wide by 2" to 3" deep, except as noted.
6. Loop and lead-in to the existing pullbox shall be one contuous wire. Lead-in wires from the same loop shall be twisted in pairs, five twists per foot. Do not twist one loop-pair with another loop-pair.
7. The Contractor shall connect the inductance wires on each terminal slot.
- 8 Vaccuum, wah and air dry (forced air) and clean sawcut thoroughly before installing sensors and/or cables and filling with hot tar or epoxy sealant.



TRAFFIC SENSOR PLAN @ # STA. 33+00±
Not to Scale



CLASS 1 BL SENSOR AND LEAD INSTALLATION DETAIL
Not to Scale



TYPICAL SENSOR LOOP WIRING DIAGRAM
Not to Scale

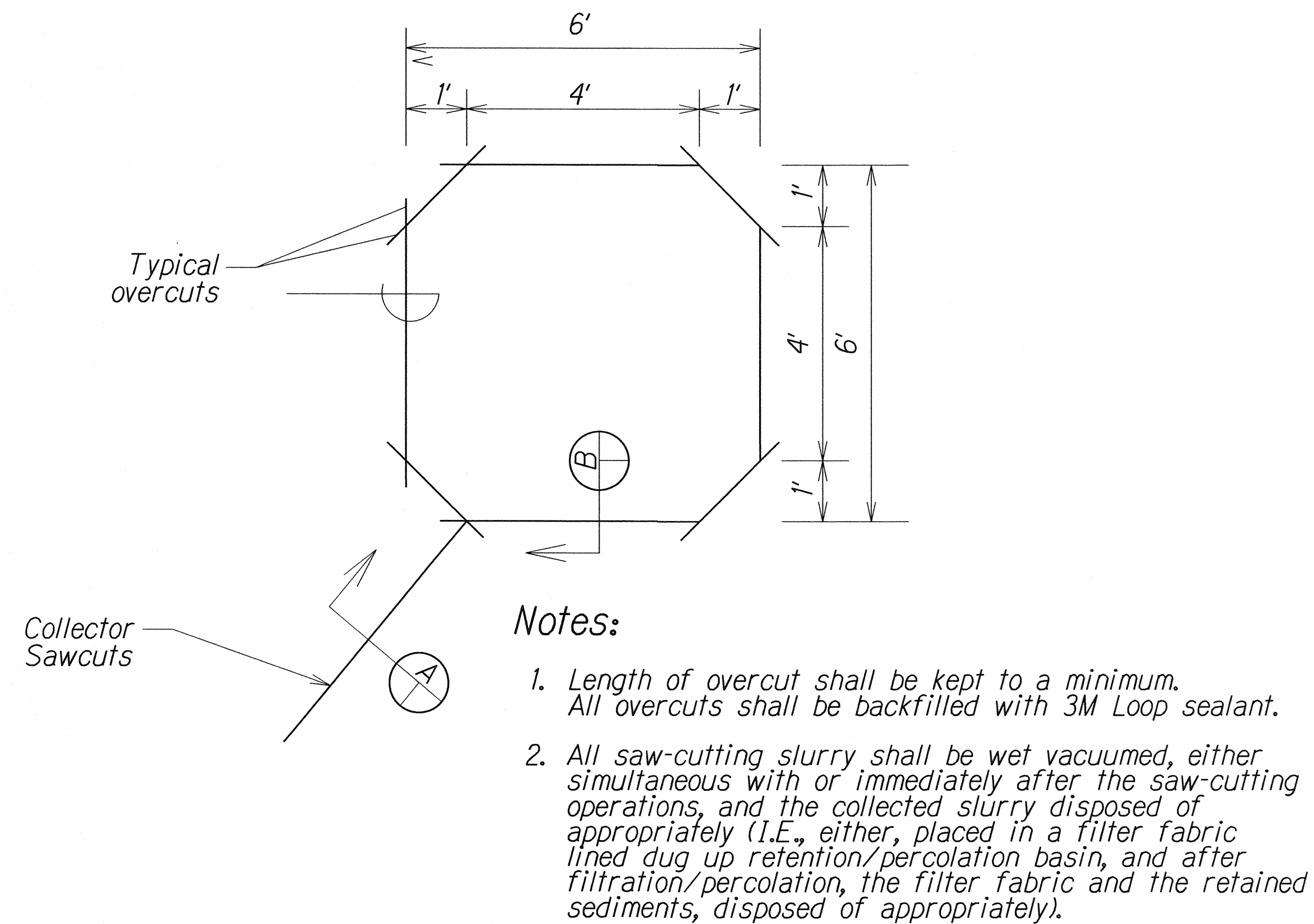
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**LOOP DETECTOR & SENSOR
PLAN, NOTES & DETAILS**
NAWILIWILI ROAD RESURFACING
Kanani Street to Waapa Road
Project No. 58A-01-14M
Not to Scale
Date: Oct. 2015

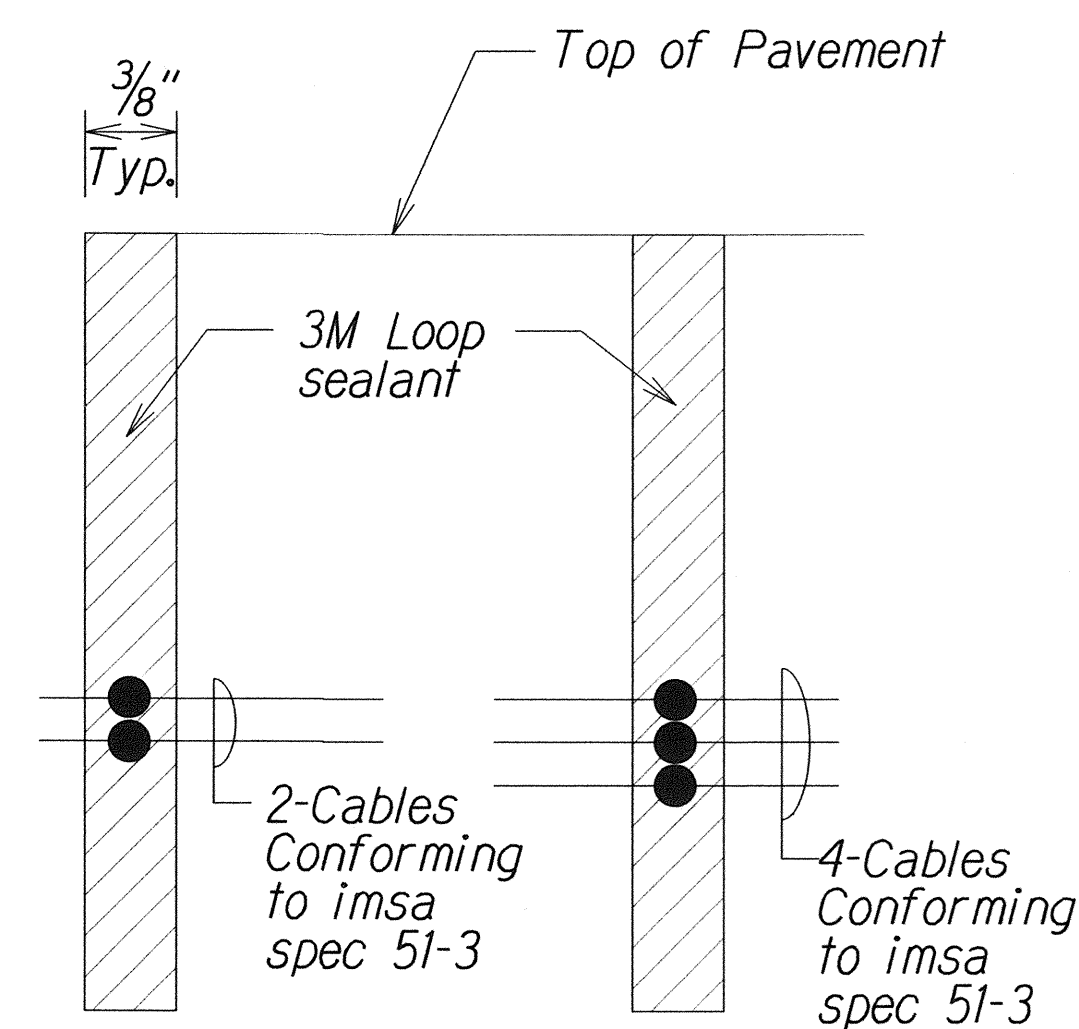
SHEET No. 1 OF 2 SHEETS

ORIGINAL PLAN	DATE
SURVEY LOCATED BY	
DRAWN BY	
NOTED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

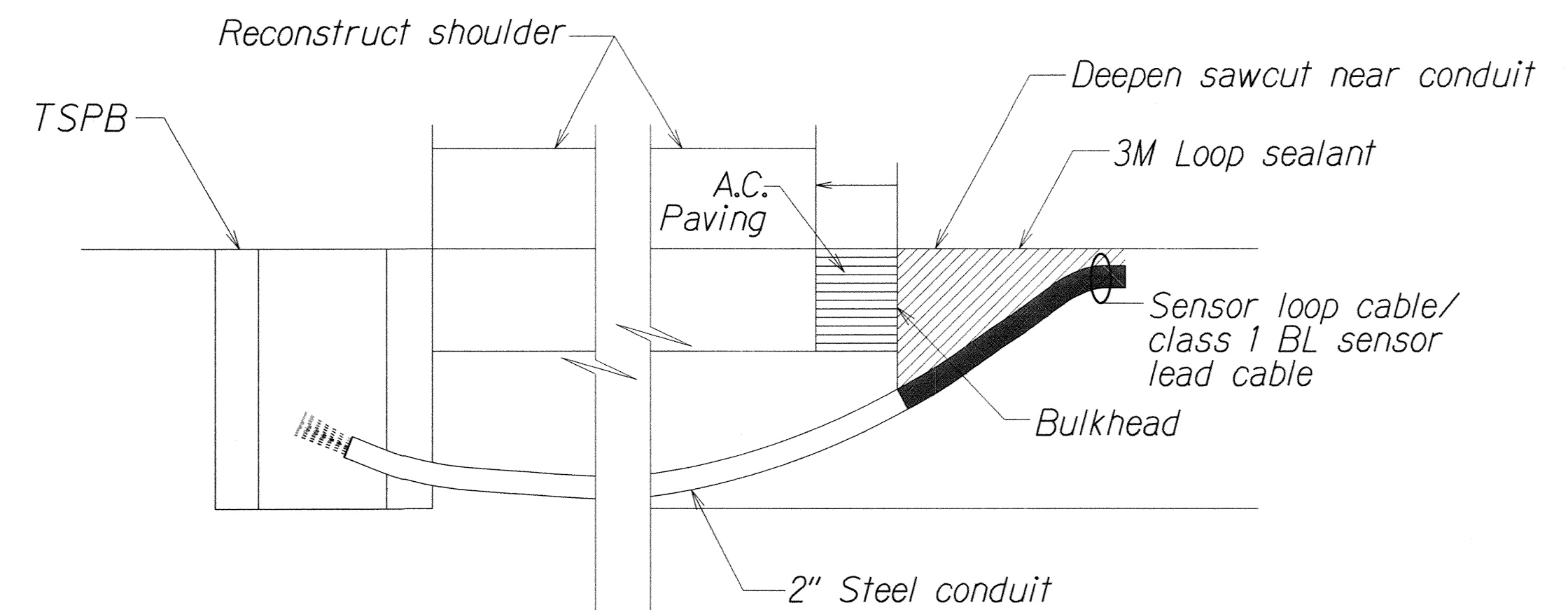
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	58A-01-14M	2016	22	23



TYPICAL SENSOR LOOP SAWCUT DETAIL
Not to Scale



TYPICAL SENSOR THROUGH SENSOR LOOP
Not to Scale



- Notes:**
1. Seal roadway end of conduit after installation of conductors.
 2. Install bulkhead across conduit trench.
 3. Place 3M sealant in sawcut.
 4. Backfill over conduit with new A.C.

DETAIL OF SENSOR LOOP/CLASS 1 BL SENSOR AT EDGE OF ROADWAY
Not to Scale

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
QUANTITIES BY	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LOOP DETECTOR & SENSOR PLAN, NOTES & DETAILS
NAWILIWILI ROAD RESURFACING
Kanani Street to Waapa Road
Project No. 58A-01-14M

Not to Scale Date: Oct. 2015

SHEET No. 2 OF 2 SHEETS