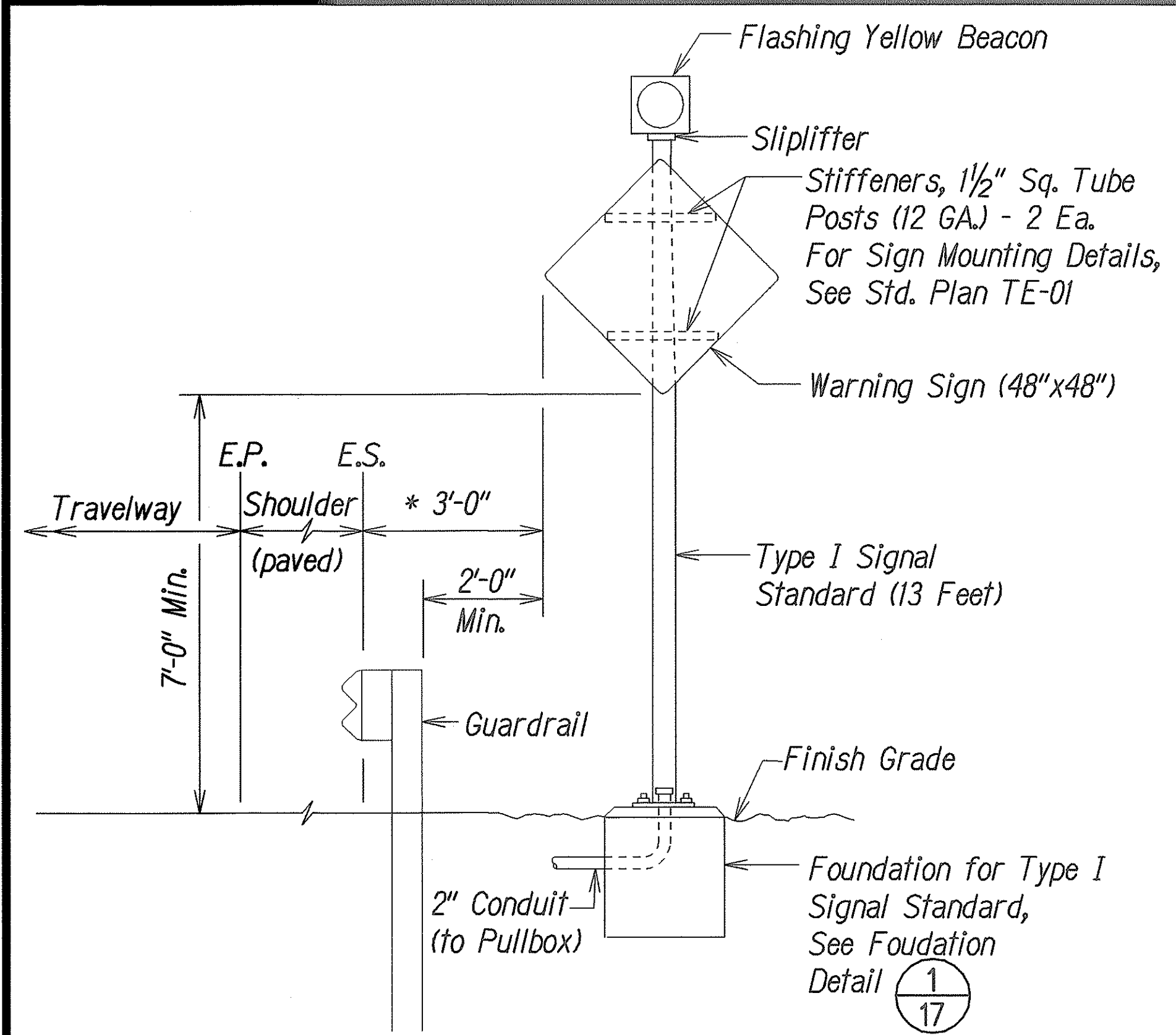
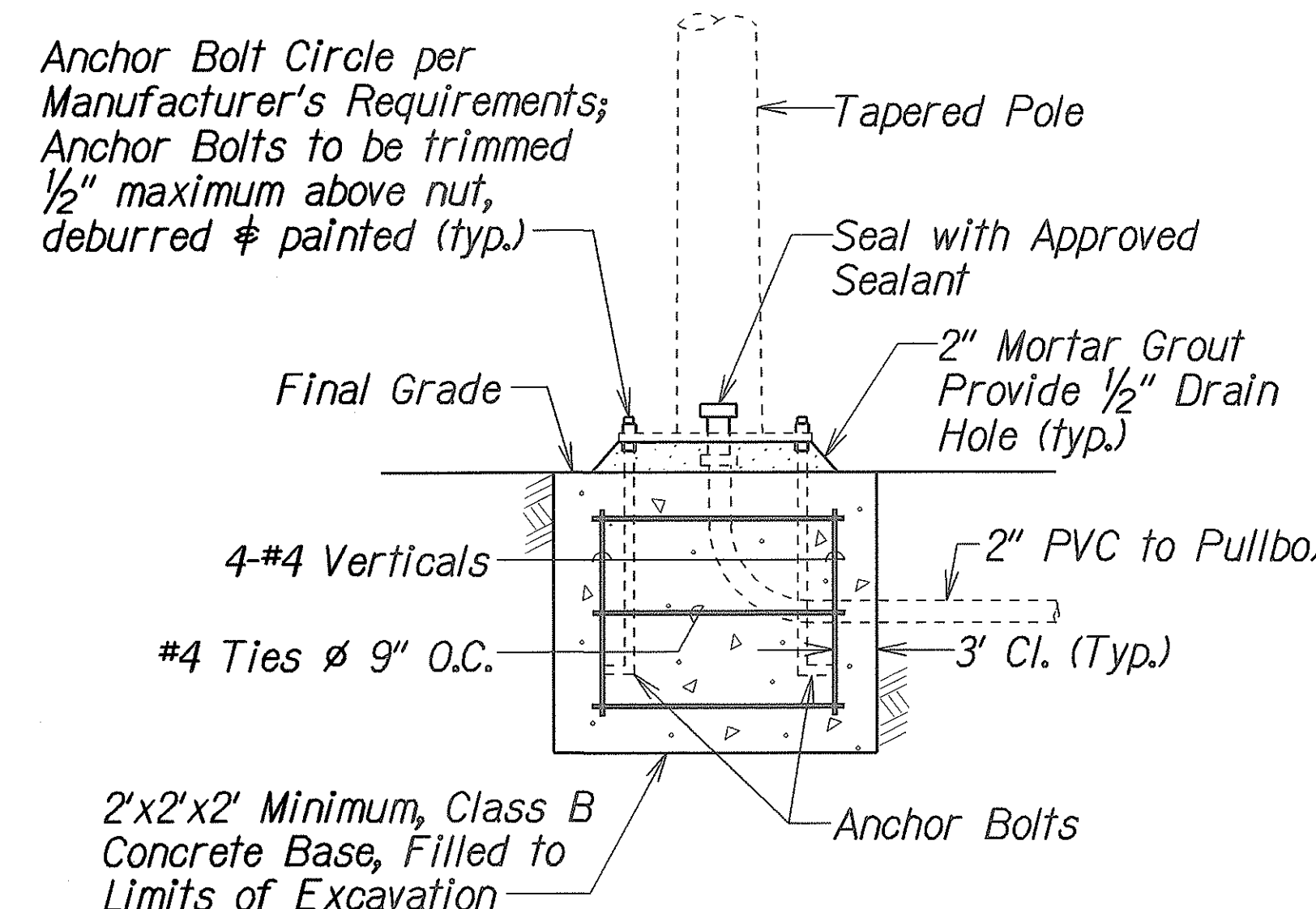


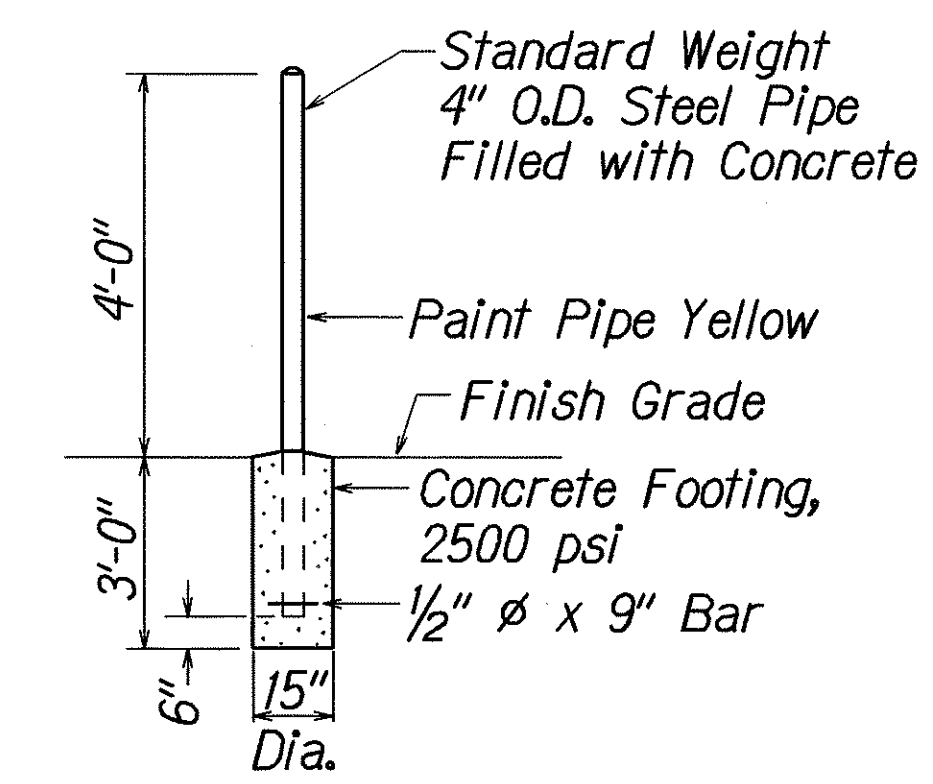
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-037-K(23)R	2005	18	22



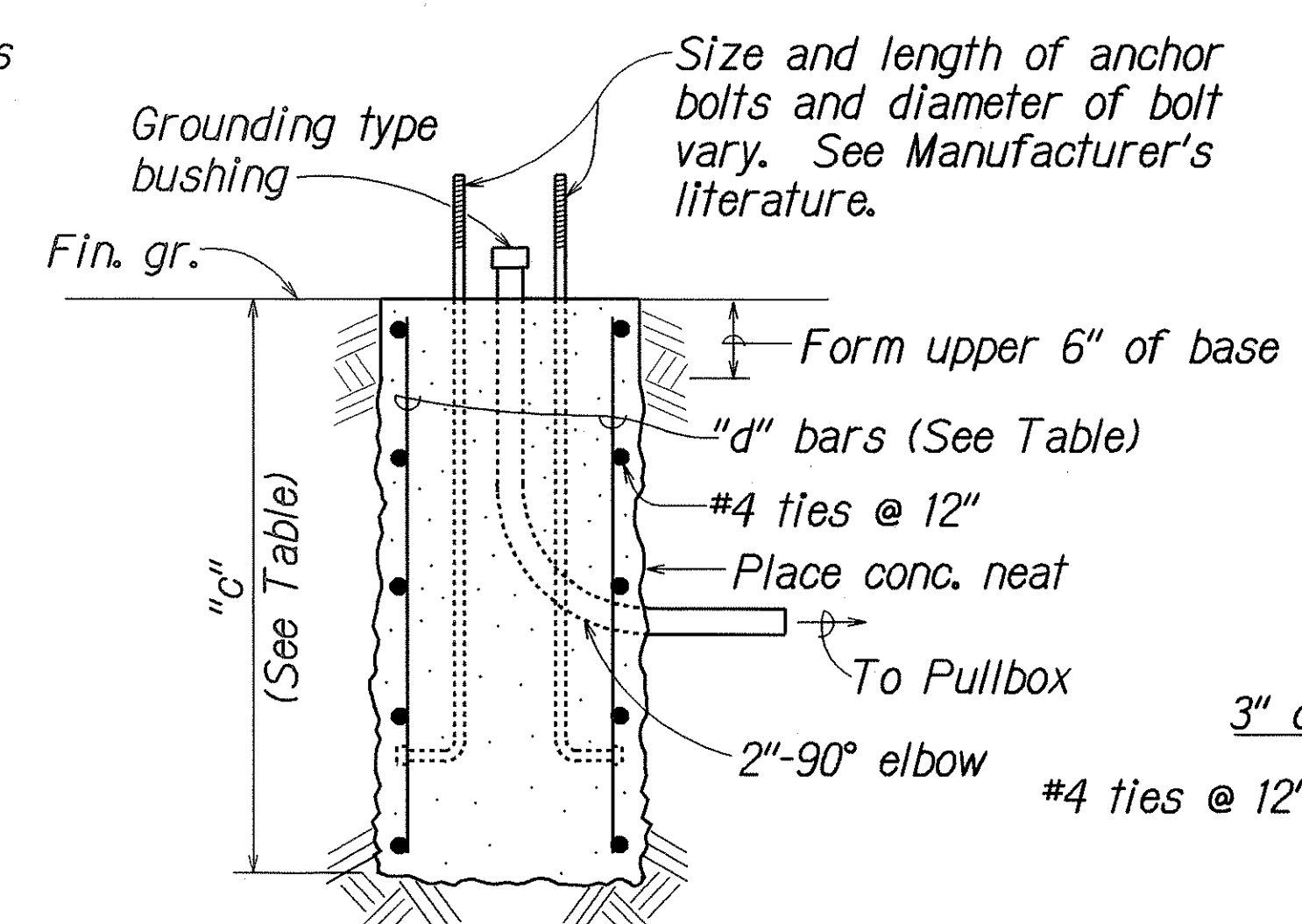
**FLASHING YELLOW BEACON
WITH WARNING SIGN**
Not to Scale



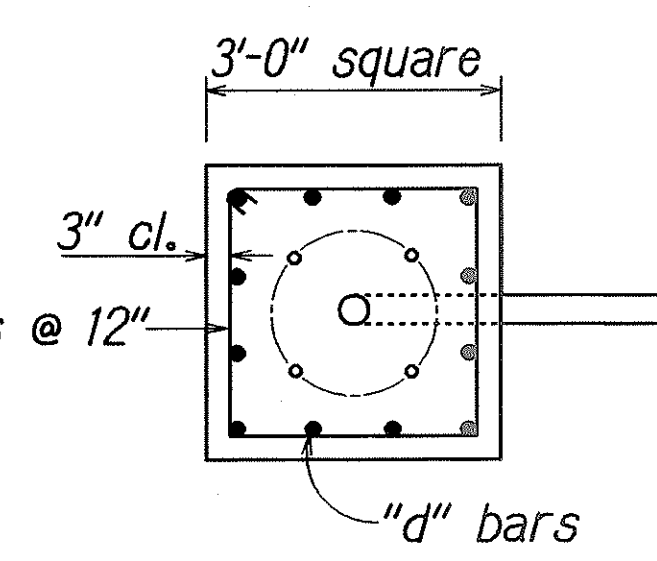
**TYPE I
FOUNDATION DETAIL** 1/17



TYP. ELEVATION
**TYPICAL PIPE GUARD
ELEVATION DETAIL**
Not to Scale



SECTION
NOTE: Concrete shall be Class B.

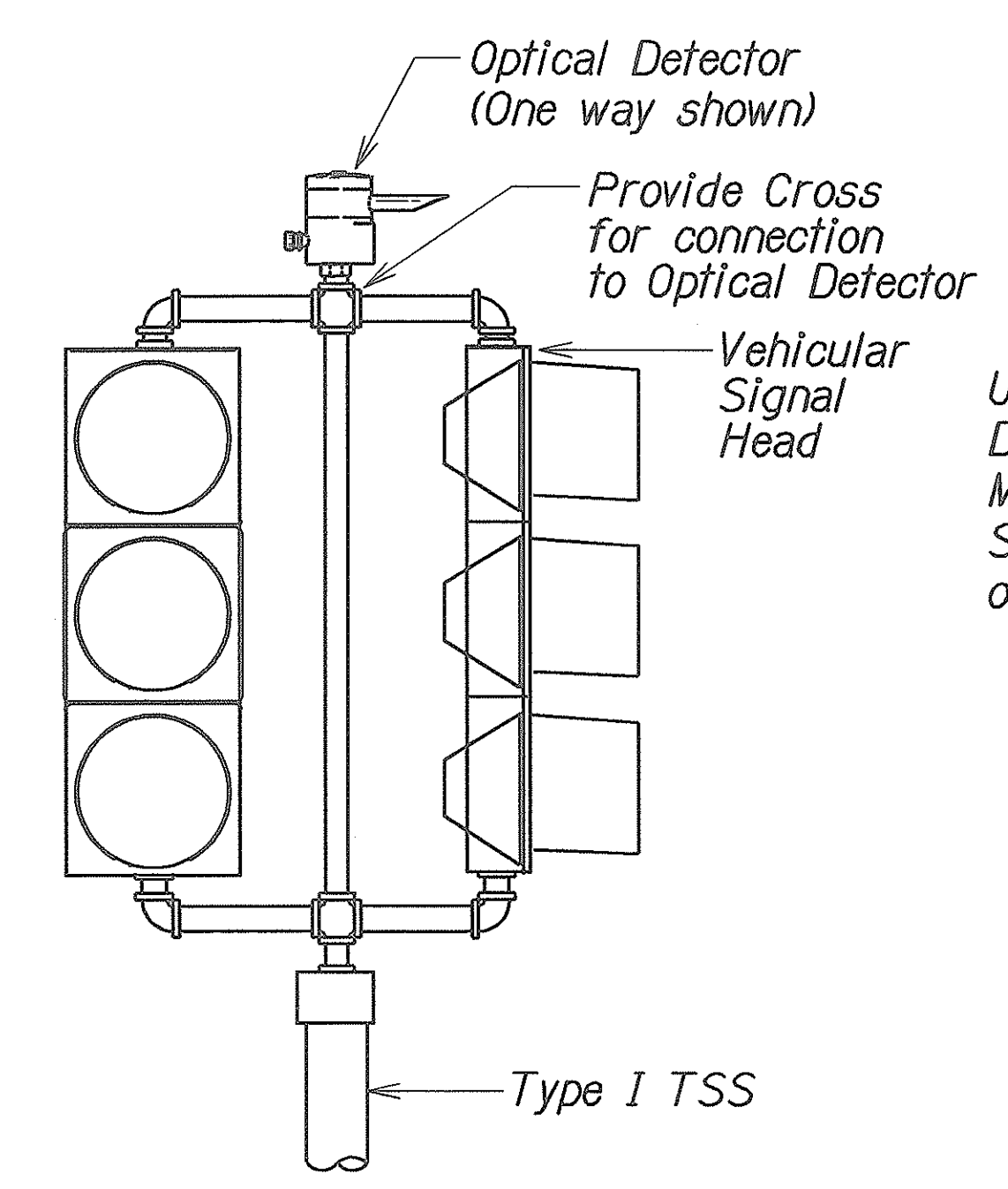


PLAN - SECTION

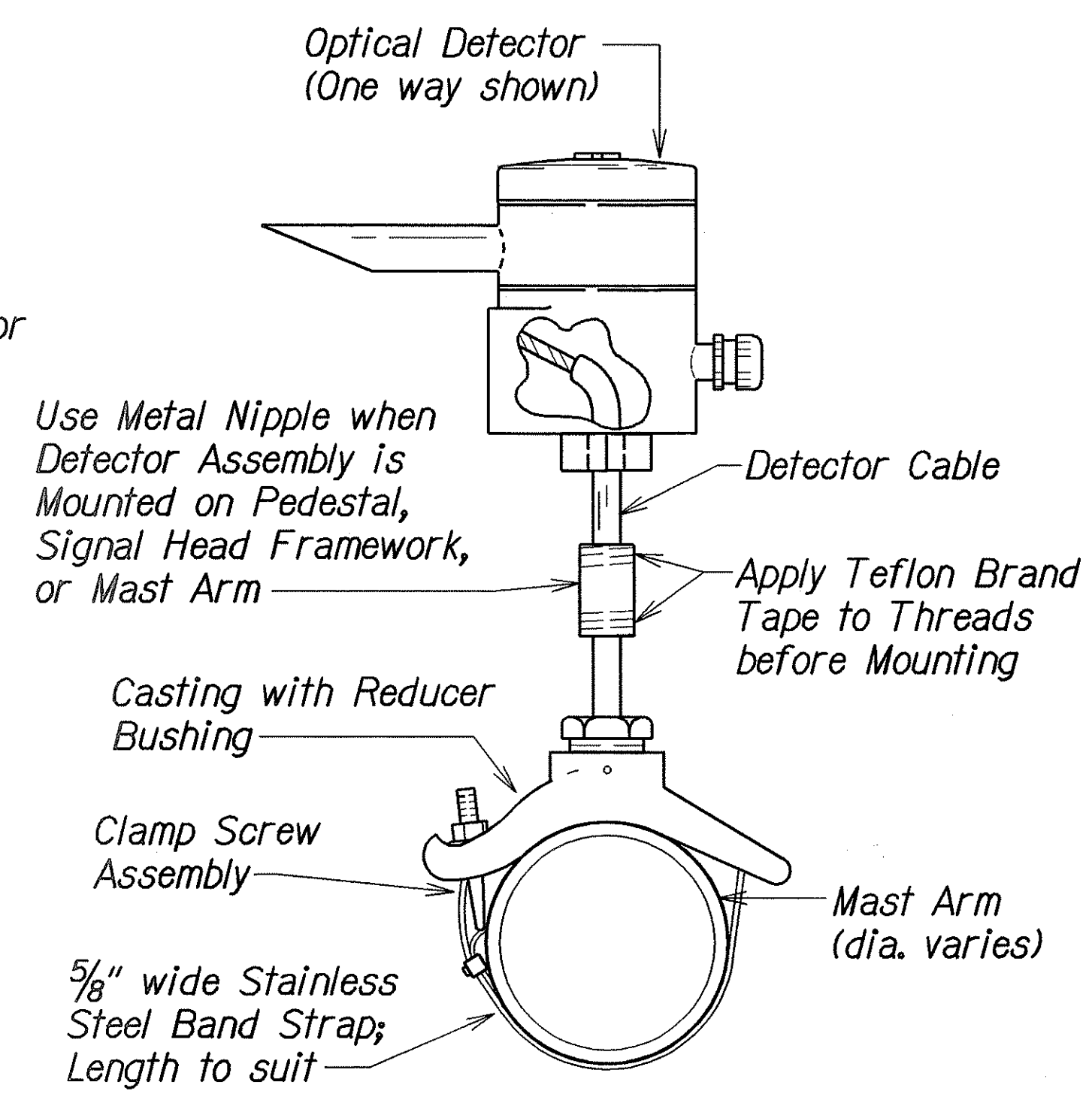
MAST ARM LENGTH	"c"	"d" BARS
16' - 18'	5'-6"	12-#6
20'	6'-0"	12-#6
25'	6'-6"	12-#6
30'	7'-0"	12-#8
35'	7'-0"	12-#8
40'	8'-0"	12-#8

**TYPE II
FOUNDATION DETAIL** 2/17

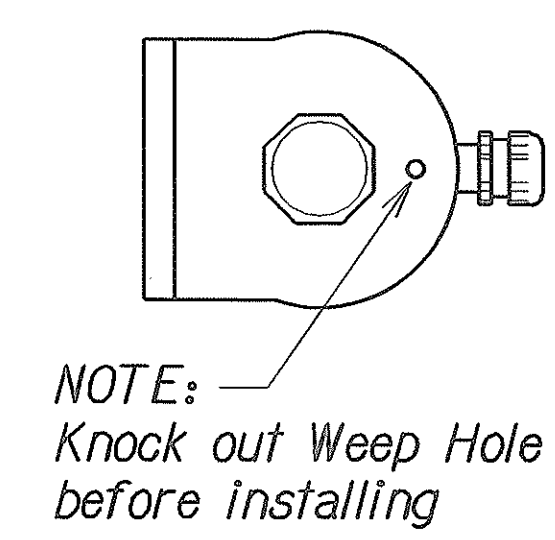
FOOTING FOR MAST ARM STANDARD



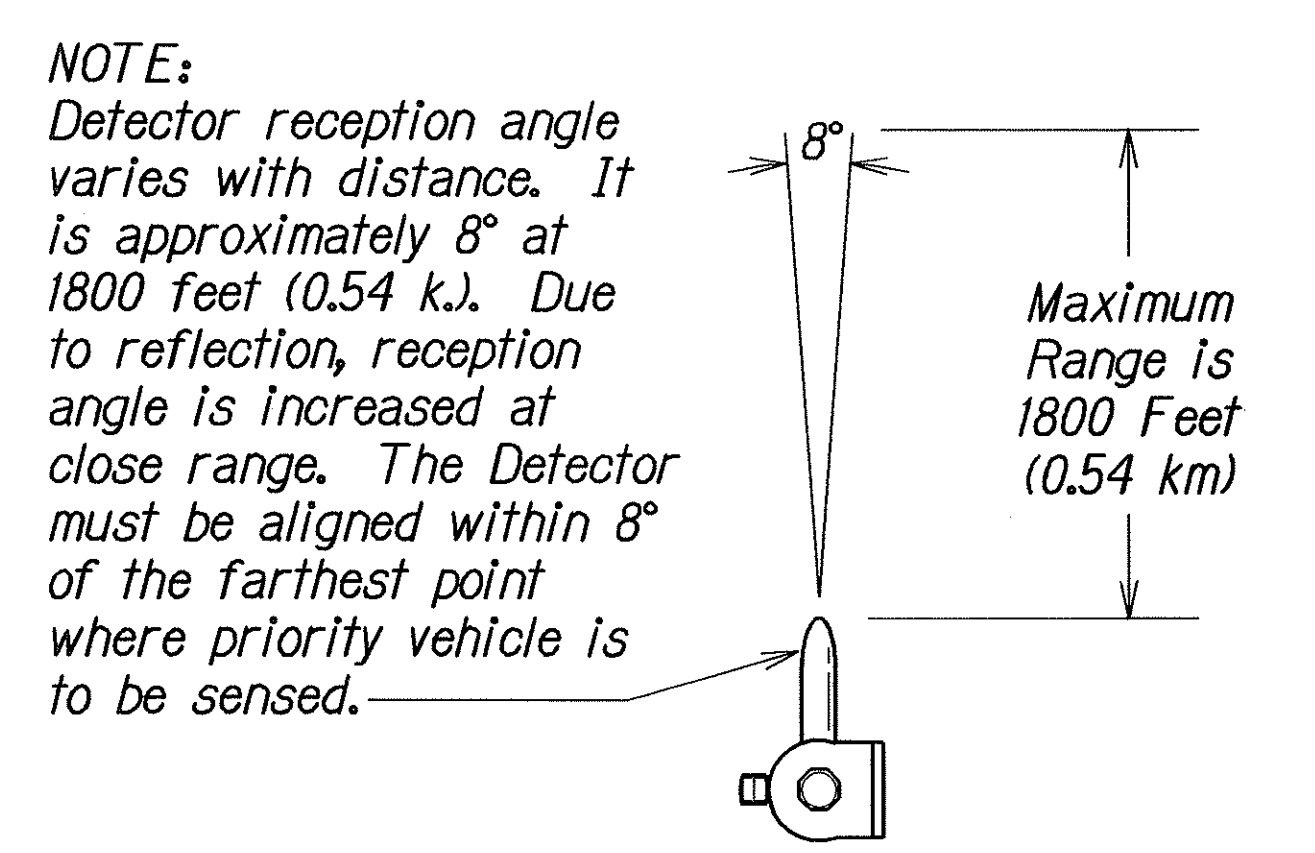
TYPICAL PEDESTAL INSTALLATION
Not to Scale



TYPICAL MAST ARM INSTALLATION
Not to Scale



**OPTICAL DETECTOR
(Bottom View)**
Not to Scale



DETECTOR ALIGNMENT ANGLE
Not to Scale

OPTICAL DETECTOR DETAILS
Not to Scale

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

TRAFFIC SIGNAL SYSTEM

MISCELLANEOUS DETAILS

HALEAKALA HIGHWAY

Intersection Improvements at Makani Road

F.A. Project No. STP-037-K(23)R

Scale: As Shown

Date: May 2005

DESIGNED BY	DATE
NOTED BY	
CHECKED BY	
QUANTITIES BY	
REVISIONS	