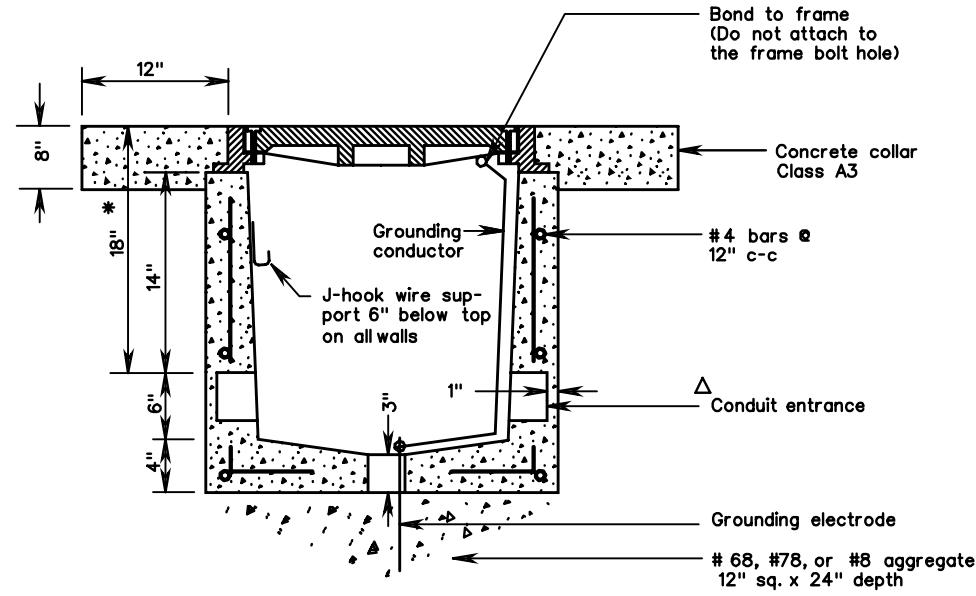


SURVEYED BY _____
SUPERVISED BY _____
DESIGNED BY _____

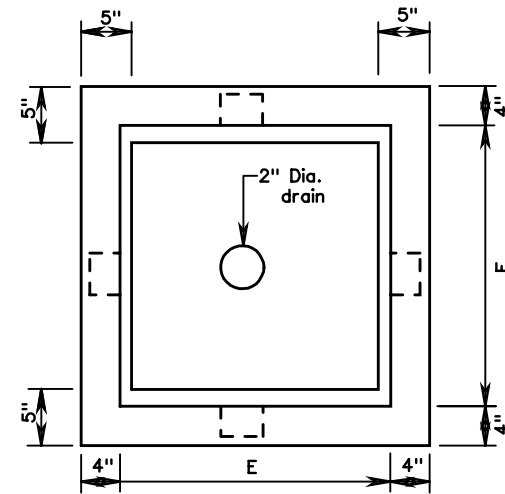
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	STATE	FEDERAL AID		STATE		SHEET NO.
		PROJECT	ROUTE	PROJECT	PROJECT	
	VA.					

JB-1A,2A,3A,4A,&5A



STANDARD	DIMENSIONS	
	E	F
JB-1A	14"	14"
JB-2A	14"	20"
JB-3A	20"	20"
JB-4A	20"	27"
JB-5A	27"	27"



PLAN VIEW
(FRAME AND COVER REMOVED)

Notes:

- J-Hook wire supports shall be securely attached to the junction box with a bolt and nut with a neoprene washer or an expansion fitting.
- Conduit entrances shall be located as shown on the plans. Conduits shall extend 2" min. to 3" max. beyond the inside wall of the junction box.
- Bell ends shall be installed on the ends of PVC conduits. Grounding bushings shall be installed on the ends of metal conduits. Bell ends & bushings shall be plugged to prevent moisture & rodent entry.
- * Depth of conduit entrances for magnetic detectors shall be in accordance with St'd TD-2.
- All reinforcing steel shall have a minimum 1 1/2" concrete cover. Any reinforcing steel in conflict with conduit shall be cut a minimum of 1 1/2" from conduit.
- The junction box may be precast or cast in place concrete.
- △ A minimum 2" diameter conduit entrance is required unless otherwise specified on plans.
- A concrete collar is required only when junction box is installed in earth areas.
- High strength grout conforming to the Road & Bridge Specifications shall be used to secure the frame to the junction box.
- All junction boxes shall be installed with a grounding electrode unless box houses only communication/interconnect cable.
- Voids resulting from entrance of conduits into junction box shall be completely filled with hydraulic cement grout conforming to the Road & Bridge Specifications.

JUNCTION BOX

REV. 9/06
1301.48

VIRGINIA DEPARTMENT OF TRANSPORTATION

#TIMESTAMP#

REV. 9/06
SPECIAL DESIGN SECTION
DRAWING NO. A-127

PLAN NO.	PROJECT	FILE NO.	SHEET NO.