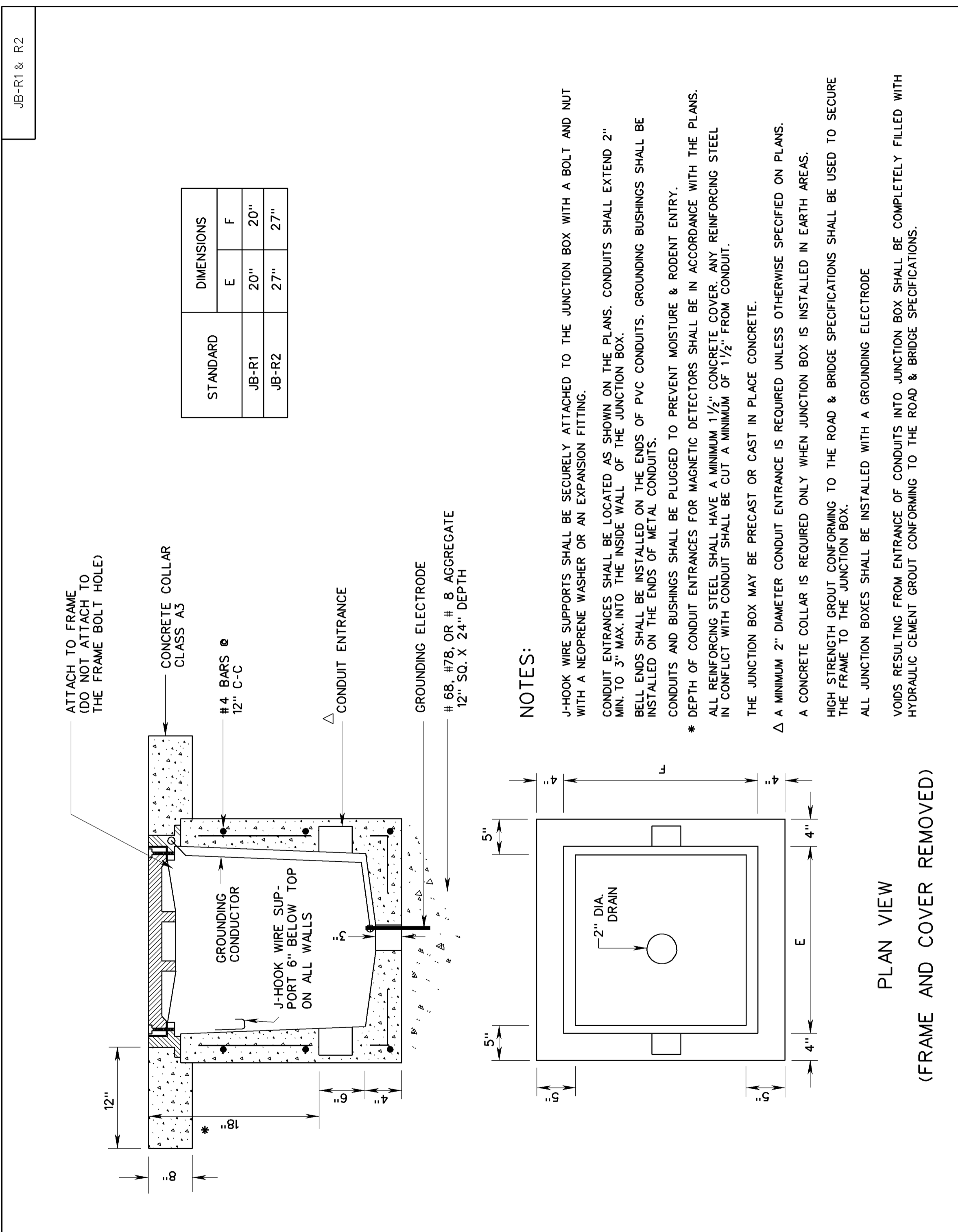


PROJECT MANAGER _____
 SURVEYED BY _____
 DESIGN SUPERVISED BY _____
 DESIGNED BY _____

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

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



STANDARD	DIMENSIONS	
	E	F
JB-R1	20"	20"
JB-R2	27"	27"

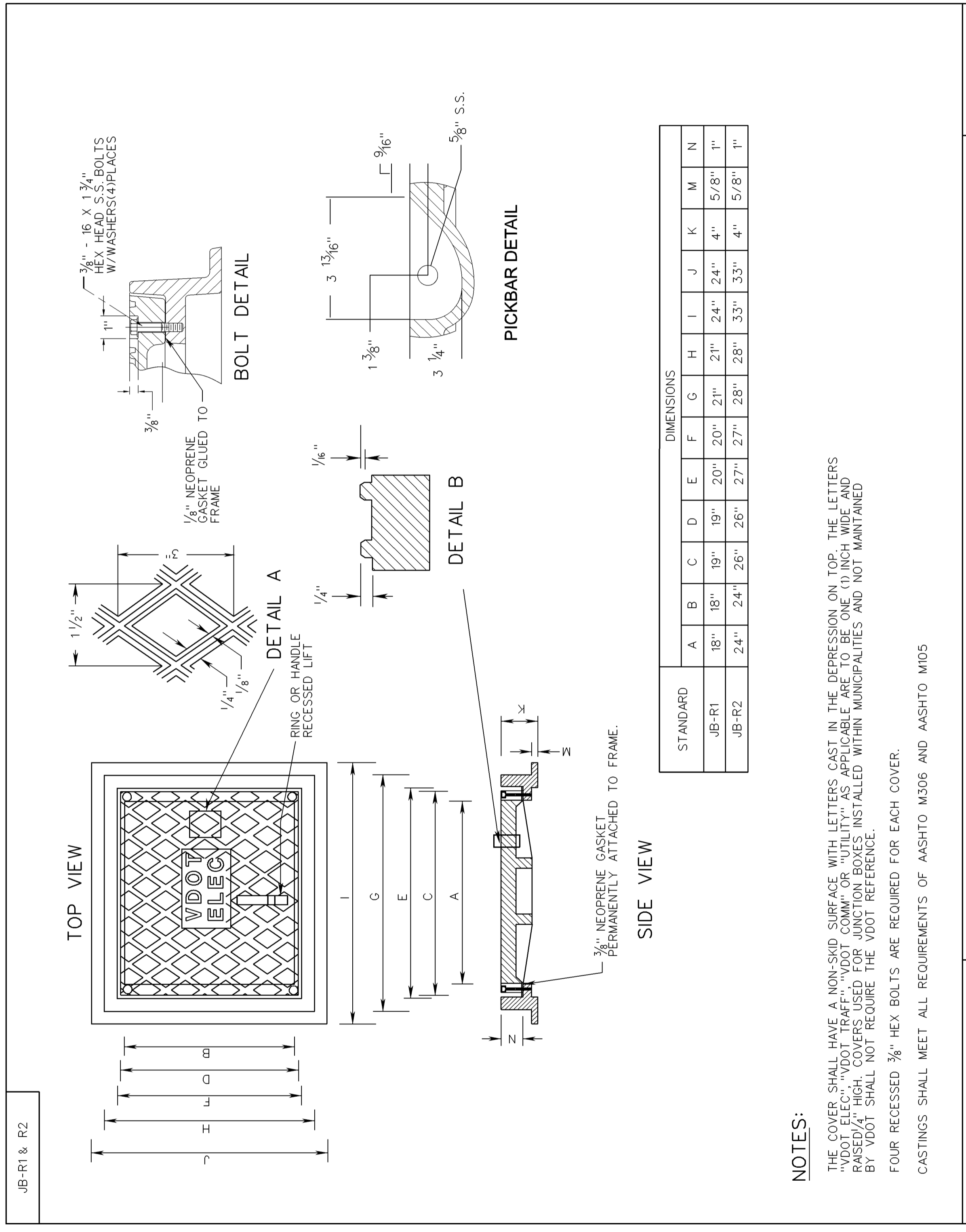
NOTES:

- 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. INTO 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.
- * DEPTH OF CONDUIT ENTRANCES FOR MAGNETIC DETECTORS SHALL BE IN ACCORDANCE WITH THE PLANS. CONDUITS AND BUSHINGS SHALL BE PLUGGED TO PREVENT MOISTURE & RODENT ENTRY.
- ALL REINFORCING STEEL SHALL HAVE A MINIMUM 1/2" CONCRETE COVER. ANY REINFORCING STEEL IN CONFLICT WITH CONDUIT SHALL BE CUT A MINIMUM OF 1/2" FROM CONDUIT.
- THE JUNCTION BOX MAY BE PRECAST OR CAST IN PLACE CONCRETE.
- Δ 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
- 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 FOR TRAFFIC USE

VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION REFERENCE	700
ROAD AND BRIDGE STANDARDS	SHEET 1 OF 2
REVISION DATE	06-15-2009
VDOT	1317.10



STANDARD	DIMENSIONS												
	A	B	C	D	E	F	G	H	I	J	K	M	N
JB-R1	18"	18"	19"	19"	20"	20"	21"	21"	24"	24"	4"	5/8"	1"
JB-R2	24"	24"	26"	26"	27"	27"	28"	28"	33"	33"	4"	5/8"	1"

NOTES:

- THE COVER SHALL HAVE A NON-SKID SURFACE WITH LETTERS CAST IN THE DEPRESSION ON TOP. THE LETTERS "VDOT TRAFF.", "VDOT COMM" OR "UTILITY" AS APPLICABLE ARE TO BE ONE (1) INCH WIDE AND RAISED 1/4" HIGH. COVERS USED FOR JUNCTION BOXES INSTALLED WITHIN MUNICIPALITIES AND NOT MAINTAINED BY VDOT SHALL NOT REQUIRE THE VDOT REFERENCE.
- FOUR RECESSED 3/8" HEX BOLTS ARE REQUIRED FOR EACH COVER.
- CASTINGS SHALL MEET ALL REQUIREMENTS OF AASHTO M306 AND AASHTO M105

JUNCTION BOX FOR TRAFFIC USE

VIRGINIA DEPARTMENT OF TRANSPORTATION

ROAD AND BRIDGE STANDARDS	SHEET 2 OF 2
SHEET 2 OF 2	REVISION DATE
1317.11	06-15-2009
VDOT	700