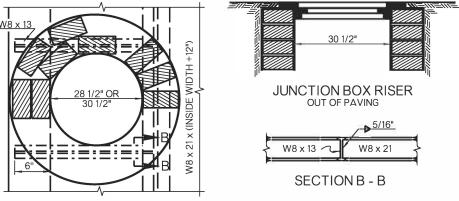
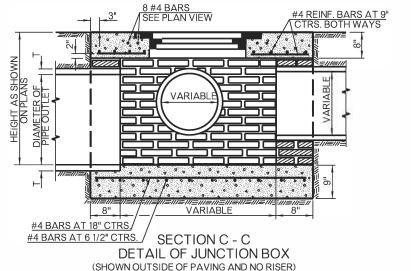


SECTION THRU JUNCTION BOX (SHOWN IN PAVING WITH RISER)

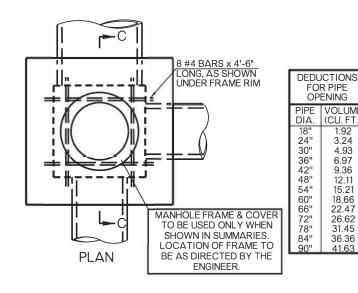
SEE 'BAR BENDING DIAGRAMS' AND 'PLAN WITH SECTION' FOR BAR DETAILS



SECTION A - A



STANDARD JUNCTION BOXES



1.92 3.24

4.93 6.97 9.36 12.11 15.21 18.66 22.47

26.62 31.45

36.36 41.63

GENERAL NOTES

- ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS.
- 2. ALL MANHOLES SHALL HAVE 4 FOOT DIAMETERS UNLESS A LARGER DIAMETER IS REQUIRED.
- 3. CAST-IN-PLACE CONCRETE WALLS WITH THE SAME DIMENSIONS SHOWN ON THIS STANDARD, MAY BE USED IN LIEU OF THE BRICK MASONRY. CAST-IN-PLACE WALLS EXCEEDING 5 FEET IN DEPTH (GUTTERLINE TO FLOWLINE), WILL REQUIRE NO. 4 REINFORCING BARS SPACED AT 30 INCH CENTERS VERTICALLY AND 12 INCH CENTERS HORIZONTALLY.
- 4. WHERE A MORTAR COAT IS REQUIRED IT SHALL BE 1/2" THICK AND SHALL BE APPLIED WHILE BRICK MASONRY IS CLEAN AND DAMP.
- 5. MANHOLES UP TO 6 FEET IN HEIGHT SHALL BE PAID FOR AS 'MANHOLE' (EA.). ANY ADDITIONAL HEIGHT OF MANHOLE SHALL BE PAID FOR AS 'ADDITIONAL DEPTH
- 6. JUNCTION BOXES SHALL HAVE INSIDE DIMENSIONS AND HEIGHT AS SHOWN ON THE PLANS, AND CONSTRUCTION SHALL BE MEASURED BY CF OF WALL MATERIAL AND TO BE PAID FOR AS 'JUNCTION BOXES' (CF), DEDUCTIONS IN VOLUME WILL BE MADE FOR ALL PIPE OPENINGS 18 INCHES IN DIAMETER AND LARGER (SEE TABLE).
- . REINFORCING STEEL AND STRUCTURAL STEEL WILL BE INCLUDED AS PART OF THE COST OF THE STRUCTURE COMPLETE, AND WILL NOT BE MEASURED AS A PAY ITEM.
- B. MANHOLE FRAMES, COVERS AND COVER GRATES INSTALLED DURING ORIGINAL CONSTRUCTION SHALL BE INCLUDED IN CONTRACT UNIT PRICE OF ORIGINAL MANHOLE AND JUNCTION BOX. FOR DETAILS OF FRAME AND COVER, SEE THE CURRENT VERSION OF ROADWAY STANDARD MFC-5.

OPTIONAL PRECAST MANHOLES

9. PRECAST STORM SEWER MANHOLE STRUCTURES CAN BE SUBSTITUTED FOR BRICK MASONRY OR CAST-IN-PLACE MANHOLE STRUCTURES. SEE ROADWAY STANDARDS PRM-1, PSM-1, AND PMD-1 FOR THEIR DESIGN, DETAILS AND BASIS

1	BASIS OF PAYMENT		
	ITEM NO.	ITEM	UNIT
	509 (C)	CLASS A CONCRETE, SMALL STRUCTURES	CY
	611 (L)	JUNCTION BOXES	CF

▲ FOR QUANTITIES OF CLASS A CONCRETE LESS THAN 20 CY

APPROVED BY ROADWAY ENGINEER ROADWAY DESIGN DIVISION STANDARD CAST-IN-PLACE MANHOLES AND JUNCTION BOXES



2019 SPECIFICATIONS

MJB-4

R-49