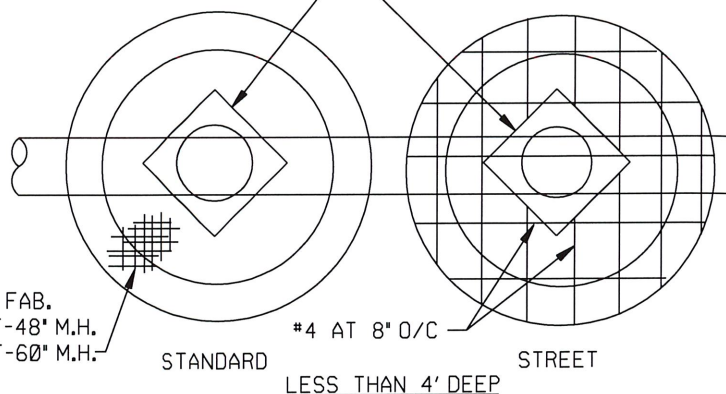
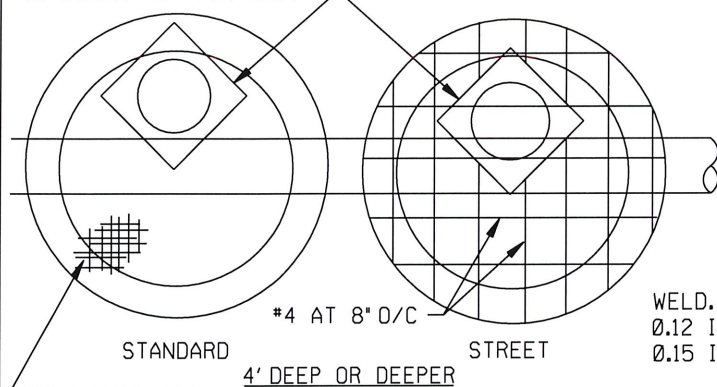


#4 BAR 30" LENGTH, 4 EA.  
DIAGONAL TO MAIN REINF.

#4 BAR 30" LENGTH, 4 EA.  
DIAGONAL TO MAIN REINF.

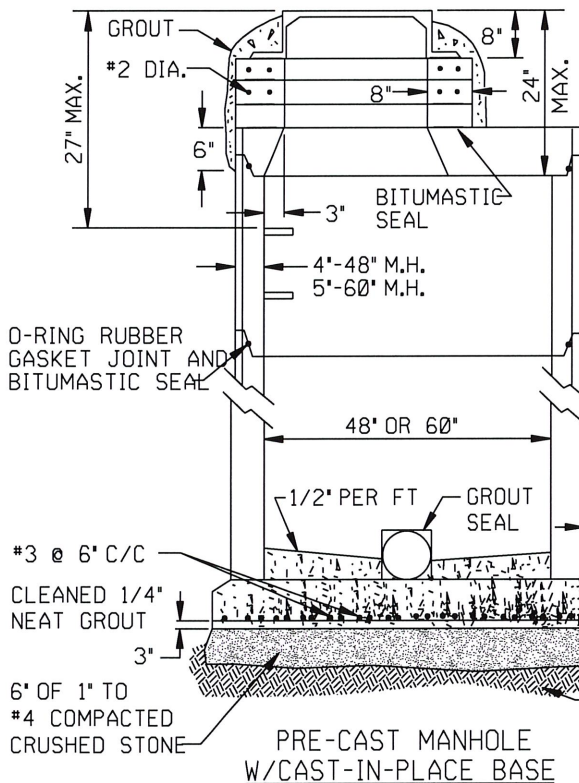


WELD. WIRE FAB.  
Ø.12 IN<sup>2</sup> / FT-48" M.H.  
Ø.15 IN<sup>2</sup> / FT-60" M.H.

### TOP VIEW OF FLAT CONCRETE SLAB

FINISH GRADE AS DETERMINED BY ENGINEER

SEE STD. 414  
FOR MANHOLE  
TOP ADJ.

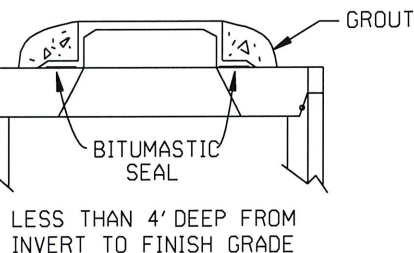


6"-48" M.H.  
8"-60" M.H.

RISER PIPE

WELD. WIRE FAB.  
Ø.12 IN<sup>2</sup> / FT- 48" M.H.  
Ø.15 IN<sup>2</sup> / FT- 60" M.H.

WALL JOINTS WRAPPED WITH 9" JOINT WRAP SHALL BE INFISHIELD GATOR WRAP MANUFACTURED BY SEALING SYSTEMS INC.

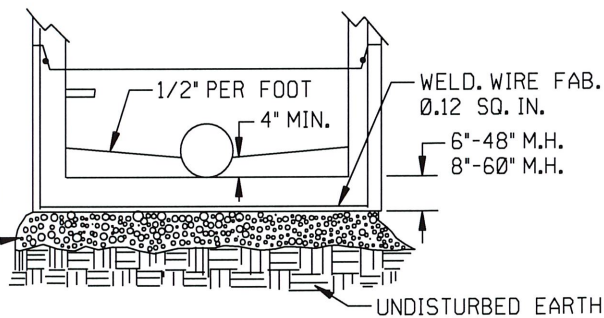


### NOTES

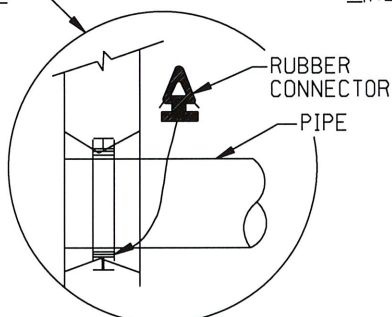
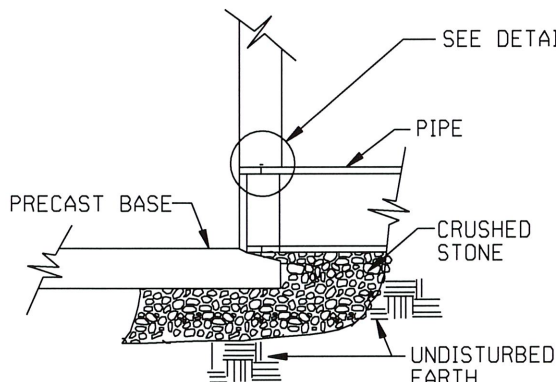
1. INVERT TO BE 3/4 X PIPE DIAMETER
2. USE EXTENDED BASE WITH DEPTH OVER 12'

8" TO 12" PIPE = M.H. 48" I.D.  
15" TO 21" PIPE = M.H. 60" I.D.  
21" TO 36" PIPE = M.H. 72" I.D.  
OVER 36" PIPE = SPECIAL M.H.

MIN. 18" OF 1" TO NO. 4 (GRAD. #57) CRUSHED STONE (COMPACTED)



NOTE: DROP INLETS TO BE STANDARD WITH TOP PIPE HAVING SHAPED INLET



AS SHOWN OR EQUAL

STANDARD DETAIL  
PRE-CAST SANITARY SEWER MANHOLES

CITY OF TULSA, OKLAHOMA  
ENGINEERING SERVICES DEPARTMENT

DRAWN BY: R.M.O.  
CHECKED BY: HAS  
DATE: MARCH 2022

APPROVED  
*[Signature]*

NOT TO SCALE

STANDARD NO. 358