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

4" DEEP OR DEEPER

WELD. WIRE FAB.
0.12 in^3/ft-48" M.H.
0.15 in^3/ft-60" M.H.

TOP VIEW OF FLAT CONCRETE SLAB

STANDARD
4 AT 8" O/C STREET

TOP VIEW OF FLAT CONCRETE SLAB

STANDARD
4 AT 8" O/C STREET

FINISH GRADE AS DETERMINED BY ENGINEER

SEE STD. 414 FOR MANHOLE TOP ADJ.

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

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

#3 @ 6" C/C
CLEANED 1/4"
NEAT GROUT

3" UNDISTURBED EARTH

PRE-CAST MANHOLE W/CAST-IN-PLACE BASE

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

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.

PRE-CAST FLOOR

PRE-CAST SANITARY SEWER MANHOLES

CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT

DRAWN BY: S.R.W.
CHECKED BY: [Signature]
DATE: OCTOBER 2013

NOT TO SCALE STANDARD NO. 358