M.H. TOP ADJUSTMENT SHALL BE ACCOMPLISHED BY THE USE OF 2" OR 4" REINFORCED CONCRETE CONCENTRIC RINGS AS FINISH GRADE REQUIRES, PLASTERED WITH 1/4" GROUT.

FINISHED GRADE TO BE DETERMINED BY ENGINEER

STAGE CONSTRUCTION

ALTERNATE 1

ALTERNATE 2

ALTERNATE 3

REVISION BY DATE

05/05

8" 6" PVC DUMBBELL TYPE WATER STOP

6" MIN

3:1 SLOPE

3000 P.S.I. CONCRETE (MIN.)

UNDISTURBED EARTH

STAGE CONSTRUCTION

MONOLITHIC CONSTRUCTION

SLOPE 1/2" PER FT

3000 P.S.I. CONCRETE (MIN)

10 GAGE 6x6 MESH

UNDISTURBED EARTH

10 GAGE 6x6 MESH

3000 P.S.I. CONCRETE (MIN)

UNDISTURBED EARTH

6" PVC DUMBBELL TYPE WATER STOP

SLOPE 1/2" PER FT

3000 P.S.I. CONCRETE (MIN)

10 GAGE 6x6 MESH

UNDISTURBED EARTH

NOTES:

1. USE STEP DETAIL SHOWN ON STANDARD DRAWING SAN-05.
2. LOW SLUMP CONCRETE SHALL BE PLACED IN THE FOOTINGS AND LOWER WALLS, AND SHALL BE PLACED AND VIBRATED IN ONE FOOT LIFTS.
3. AN INSPECTOR MUST BE PRESENT BEFORE AND DURING THE PLACING OF THE CONCRETE.
4. THIS MANHOLE SHALL NOT BE USED IN PAVED STREETS OR OTHER TRAVELED AREAS.
5. THE CONCRETE MUST SET FOR 48 HOURS BEFORE PIPE INSIDE OF MANHOLE IS TRIMMED.
6. (ALTERNATE 3) INVERT MUST BE FORMED AT TIME OF BOTTOM POUR.
7. WATER STOPS MAY BE ELIMINATED IF BARREL OF MANHOLE IS POURED WITHIN 4 HOURS AFTER BASE IS CLEANED OF ALL MUD, SILT AND DEBRIS.

CAST IN PLACE MANHOLE

STANDARD DETAILS

CITY OF OWASSO, OKLAHOMA
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

REVISION BY DATE

05/05

STANDARD NO. SAN-04