FOR 4' AND 5' MANHOLE;
IF "B" IS LESS THAN 7'-0"
USE FLAT SLAB TOP MANHOLE

FOR 4' M.H.:
A=2'-6" MIN. TO 4'-0" MAX.
C=24"

FOR 5' M.H.:
A=3'-6" MIN. TO 4'-0" MAX.
C=30"

MANHOLE TOP ADJUSTMENT SHALL
BE ACCOMPLISHED BY THE USE OF
2" OR 4" REINFORCED CONCRETE
CONCENTRIC RINGS OR BRICK AND
MORTAR AS FINISHED GRADE REQUIRES,
PLASTERED WITH 1/4" GROUT.
SEE STANDARD NO. 414

LINE OF EXCAVATION
FILL EXCESS WITH
TYPE "A"
AGGREGATE BASE
INLET FOR
DROP MANHOLE
INLET FOR
STANDARD MANHOLE

UNDISTURBED
EARTH

SECTION A-A
FOR ECCENTRIC TAPER M.H.

#3 @ 6" C/C

UNDISTURBED
EARTH

16" MAX HT.
12" MIN.
4" MIN.
6" MIN.

6" OF 1" TO #4 COMPACTED
CRUSHED STONE (TYP.)

STAGE CONSTRUCTION
(ALTERNATE 1)

1/2" PER FT.
6" PVC

DUMBELL TYPE
WATER STOP

#3 @ 6" C/C

UNDISTURBED
EARTH

STAGE CONSTRUCTION
(ALTERNATE 2)

STAGE CONSTRUCTION
(ALTERNATE 3)

SECTION B-B
MONOLITHIC CONSTRUCTION
FOR ECCENTRIC TAPER M.H.

1/2" PER FT.
4" MIN.

#3 @ 6" C/C

UNDISTURBED
EARTH

12" MAX HT.
6" MIN.
4" MIN.

6" PVC

1/2" PER FT.
4" MIN.

DUMBELL TYPE
WATER STOP

#3 @ 6" C/C

UNDISTURBED
EARTH

NOTE:
1. CAST IN PLACE MANHOLES SHALL HAVE ECCENTRIC ENTRANCES AND SHALL BE EITHER
   THE FLAT SLAB OR ECCENTRIC TAPER TYPE SUBJECT TO THE SPECIFIED RESTRICTIONS.
2. STEP DETAILS SHALL BE AS SHOWN ON THE STANDARD DETAIL FOR MANHOLE STEPS
   (STANDARD NO. 314).
3. LOW SLUMP CONCRETE SHALL BE PLACED IN THE FOOTINGS AND LOWER WALLS AND
   SHALL BE PLACED AND VIBRATED IN ONE FOOT LIFTS.
4. AN INSPECTOR MUST BE PRESENT BEFORE AND DURING THE PLACEMENT OF THE CONCRETE.
5. THIS MANHOLE SHALL NOT BE USED IN PAVED STREETS OR OTHER TRAVELED AREAS.
6. THE CONCRETE MUST SET FOR 48 HOURS BEFORE PIPE INSIDE OF MANHOLE IS TRIMMED.
7. (ALTERNATE 3) INVERT MUST BE FORMED AT TIME OF BOTTOM POUR.
8. WATER STOPS MAY BE ELIMINATED IF BARREL OF MANHOLE IS POURED WITHIN 4 HOURS
   AFTER BASE IS POURED AND PROVIDED BASE IS CLEANED OF ALL MUD, SILT, AND DEBRIS.
9. THE TOP STEP SHALL BE NOT MORE THAN 27" AND NOT LESS THAN 18" FROM THE
   TOP OF THE LID.
10. THE MINIMUM INVERT DEPTH SHALL BE 3/4 TIMES THE PIPE DIAMETER.