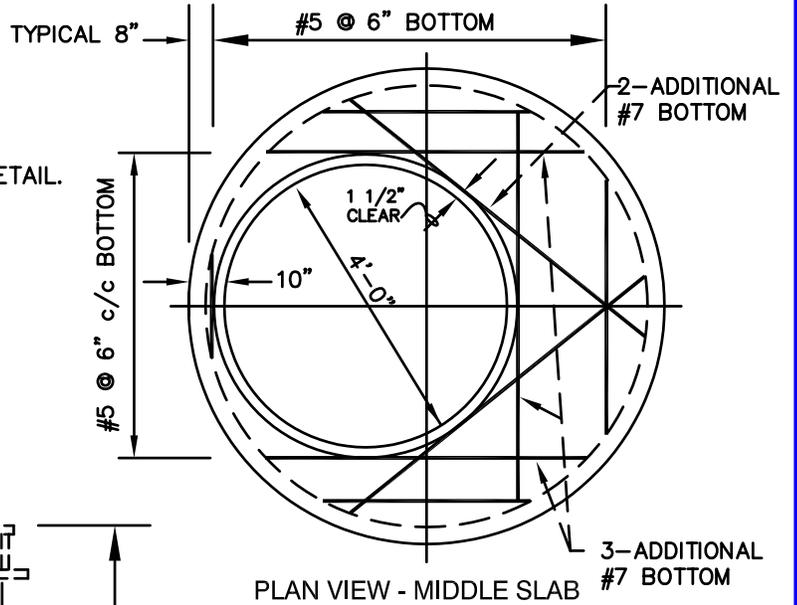


NOTES: MANHOLE

1. SHALLOW MANHOLE IS WITHOUT 48" RISER. SLAB TO BE SAME AS MIDDLE SLAB EXCEPT FOR 36" OPENING.
2. NOTES (1) THRU (8) ON S/1.0 APPLY TO THIS DETAIL.
3. SLAB ON 48" DIAMETER RISER TO HAVE 36" OPENING AND BE 9" THICK. STEEL TO BE SAME AS MIDDLE SLAB.
4. FOR SEWERS 36" AND LARGER, SEE DETAIL S/3.4.



STD. WATERTIGHT MANHOLE FRAME AND COVER. SEE DETAIL S/4.3

SEE DETAIL S/4.3 FOR TRANSITION REQUIREMENTS

FLEXIBLE GASKET JOINTS

MIDDLE SLAB, SEE PLAN ABOVE FOR DESIGN.

6 1/2"

2'-0" MINIMUM UNLESS NOTED OTHERWISE
10" MINIMUM

9" SLAB

12" TYP

48"

12" SLAB

72", 84" OR 96"

10'-0" MAXIMUM *

TYPICAL MANHOLE STEPS (SEE DETAIL S/1.0)

FLEXIBLE GASKET CONNECTOR

BENCH

CHANNEL LINING

MANHOLE BASE TO BE BEDDED IN 6" MINIMUM GRANULAR BEDDING ON FIRM SUBGRADE.

4"

12"

BACKFILL EXCAVATION BELOW PIPE WITH GRANULAR BEDDING TO TOP OF PIPE.

8" CLEAR
PRECAST BASE REINFORCED W/#6 @12" c/c. EACH WAY.

NOTES: MIDDLE SLAB

1. SLAB THICKNESS 12".
 2. REINFORCING STEEL SHALL HAVE MINIMUM 1 1/2" COVER.
 - * 3. WHEN DEPTH OF 48" RISER EXCEEDS 10'-0" SPECIAL DESIGN OF MIDDLE SLAB REQUIRED.
- CONE TRANSITION MAY BE USED IN LIEU OF 12" SLAB.

WASHINGTON
SUBURBAN
SANITARY
COMMISSION

APPROVED: JULY 1, 2005

Rafael Rodriguez
Chief Engineer

STANDARD DETAIL

72", 84" AND 96" DIAMETER
PRECAST CONCRETE
MANHOLE

S
1.2