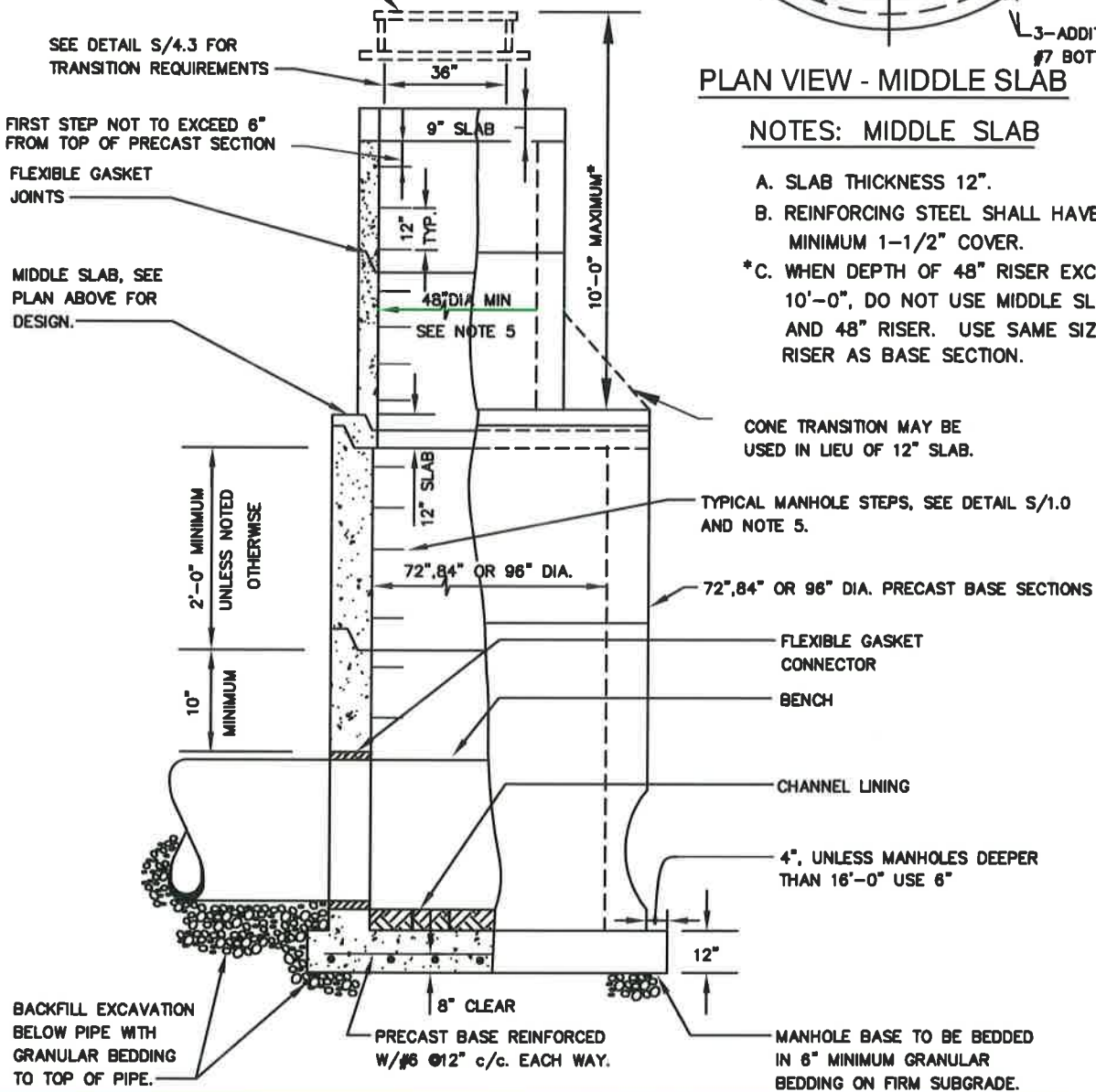


NOTES: MANHOLE

1. SHALLOW MANHOLE IS WITHOUT 48" RISER. TOPSLAB TO BE SAME AS MIDDLE SLAB EXCEPT FOR 36" OPENING.
2. FOR ADDITIONAL INFORMATION, SEE DETAIL S/1.0 NOTES 1 THRU 9.
3. SLAB ON 48" DIAMETER RISER TO HAVE 36" OPENING AND SLAB THICKNESS TO BE 9". REINFORCING TO BE SAME AS MIDDLE SLAB.
4. FOR SEWERS 36" AND LARGER, SEE DETAIL S/3.4.
5. WHEN THE DIMENSION FROM THE INVERT OF MANHOLE TO FRAME AND COVER IS 20'-0" OR GREATER, USE SAME SIZE DIA. MANHOLE AS MANHOLE BASE SECTION. PROVIDE ALUMINUM LADDER, SEE DETAILS M/16.0 AND M/16.1 AND FALL PREVENTION SYSTEM, SEE SPECIFICATIONS AND DETAIL S/1.4

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



### PLAN VIEW - MIDDLE SLAB

NOTES: MIDDLE SLAB

- A. SLAB THICKNESS 12".
- B. REINFORCING STEEL SHALL HAVE MINIMUM 1-1/2" COVER.
- \*C. WHEN DEPTH OF 48" RISER EXCEEDS 10'-0", DO NOT USE MIDDLE SLAB AND 48" RISER. USE SAME SIZE RISER AS BASE SECTION.

**CONE TRANSITION MAY BE  
USED IN LIEU OF 12" SLAB.**

- TYPICAL MANHOLE STEPS, SEE DETAIL S/1.0 AND NOTE 5.

- 72", 84" OR 96" DIA. PRECAST BASE SECTIONS

**— FLEXIBLE GASKET  
CONNECTOR**

## BENCH

## — CHANNEL LINING

4", UNLESS MANHOLES DEEPER  
THAN 16'-0" USE 6"

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

WASHINGTON  
SUBURBAN  
SANITARY  
COMMISSION

APPROVED:

Chief Engineer

STANDARD DETAIL  
72-INCH, 84-INCH AND  
96-INCH DIAMETER  
PRECAST CONCRETE  
MANHOLE

S  
1.2