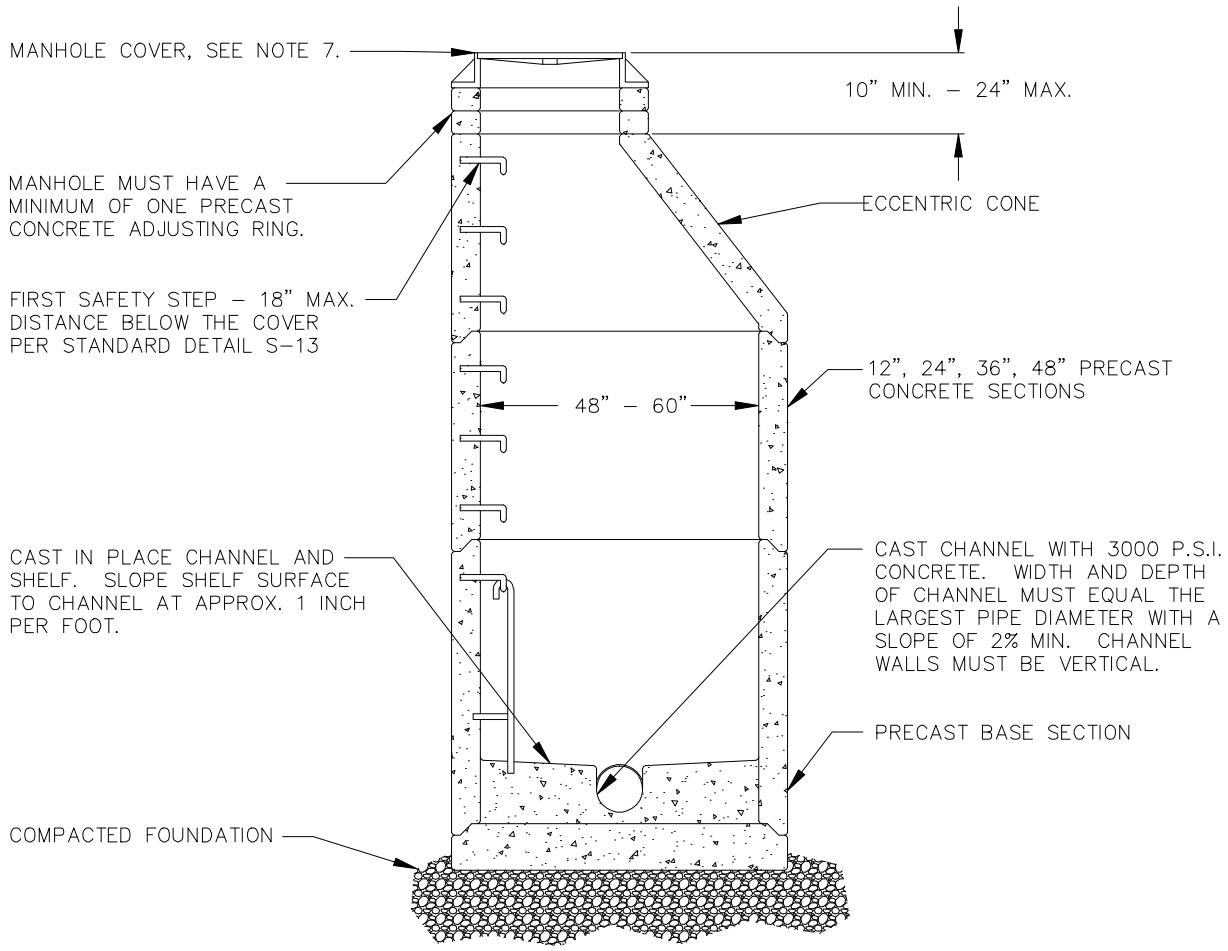

GENERAL NOTES – APPLIES TO ALL MANHOLES:

1. PRECAST SECTIONS SHALL BE REINFORCED PER ASTM SPECS FOR CORRESPONDING SEWER PIPE.
2. GALVANIZED OR PLASTIC SAFETY STEPS SHALL BE PER STANDARD DETAIL S–13.
3. SAFETY STEPS IN PRECAST BASE SECTION MAY BE CAST IN PLACE OR A PREFABRICATED LADDER GROUTED OR BOLTED IN PLACE. SEE STANDARD DETAIL S–13.
4. ALL HOLES FOR PIPE SHALL BE BLOCKED OUT AT THE TIME OF CASTING THE SECTION.
5. ALL RUBBER GASKETED MANHOLE SECTIONS SHALL BE FURNISHED WITH RUBBER GASKET JOINT PER ASTM C–478 AND ASTM C–443.
6. MANHOLES OVER 10' DEEP SHALL BE FURNISHED WITH A MIN. WALL THICKNESS OF 5".
7. MANHOLE RING AND COVER SPECS, SEE STANDARD DETAILS S–11 AND S–12 (BOLT–LOCKING COVER).
8. MANHOLE DIAMETER IN ACCORDANCE WITH CITY OF BELLEVUE ENGINEERING STANDARDS.
9. WHERE AWWA C900 PVC PIPE IS USED, CONNECTION SHALL BE MADE WITH PVC MANHOLE ADAPTER SIZED FOR THE O.D. OF AWWA C900 PVC PIPE. ADAPTER LENGTH SHALL MATCH OR EXCEED THE MANHOLE SECTION WALL THICKNESS.
10. MORTAR SHALL BE PLACED BETWEEN EACH LEVEL OF THE ADJUSTING RINGS, INCLUDING THE TOP OF THE CONE SECTION AND THE BOTTOM OF THE IRON RING.
11. GROUT ALL JOINTS INSIDE, OUTSIDE AND IN BETWEEN TO ACHIEVE WATERTIGHT CONSTRUCTION. FINISH SMOOTH THE INSIDE OF STRUCTURE. USE NON–SHRINK GROUT ONLY.
12. MANHOLES IN EASEMENTS SHALL BE CONSTRUCTED TO PROVIDE A STABLE, LEVEL GRADE FOR A MIN. RADIUS OF 2.5' FROM THE CENTER OF THE COVER. SEE STANDARD DETAIL S–8.
13. WHERE STANDARD MANHOLE CANNOT BE INSTALLED, THE CUSTOM MANHOLE SHALL BE DETAILED ON THE CONSTRUCTION PLANS.
14. PIPE CONNECTION TO MANHOLE: KOR–N–SEAL OR EQUAL FOR CORE–DRILLED SECTIONS, OR SAND COLLAR FOR SECTIONS WITH KNOCKOUTS.

City of Bellevue

SEWER UTILITIES

TITLE

STANDARD MANHOLE

NO. S–1

JANUARY 2010

NO SCALE