

1. COMPLETE CORROSION PROTECTION MUST BE ASSURED.

2. GROUT KOR-N-SEAL BOOTS FLUSH TO MANHOLE.

3. DROP SIZE TO BE SAME SIZE AS MAINLINE SEWER.

4. MANHOLE MINIMUM SIZE TO BE 60" OR AS DETERMINED BY CITY ENGINEER.

5. GROUTING SHALL BE SUFFICIENT TO PREVENT LEAKS BETWEEN THE PRECAST COMPONENTS OF THE COMPLETED STRUCTURE & SHALL BE PERFORMED INSIDE, BETWEEN & OUTSIDE OF ALL RISERS, JOINTS & PIPE PENETRATIONS.

> **KOR-N-SEAL BOOT** OR APPROVED EQUAL

> > MAINLINE

½" ANCHOR BOLT STAINLESS STEEL (4)

2" SS STRAPS MAXIMUM 3' C / C MINIMUM 2 STRAPS

> TYPICAL MANHOLE FOUNDATION CONSTRUCTION

CITY ENGINEER APPROVAL:

DROP PIPE

½" ANCHOR ⊂ BOLTS (4)

| MANHOLE DIMENSION TABLE | | | | | | |
|-------------------------|-------------------|-------------------|-----------------------------|---|--|---------------|
| DIA. | WALL THICKNESS | BASE THICKNESS | MAXIMUM KNOCKOUT SIZE | MINIMUM DISTANCE BETWEEN KNOCKOUTS | BASE REINFORCING STEEL in ² /ft. IN EACH DIRECTION | |
| | | | | | SEPARATE BASE | INTEGRAL BASE |
| 48" | 4" | 6" | 36" | 8" | 0.23 | 0.15 |
| 54" | 4.5" | 8" | 42" | 8" | 0.19 | .019 |
| 60" | 5" | 8" | 48" | 8" | 0.25 | .025 |
| 72" | 6" | 8" | 60 | 12" | 0.35 | 0.24 |
| 84" | 8" | 12" | 72" | 12" | 0.39 | .029 |
| 96" | 8" | 12" | 84" | 12" | 0.39 | 0.29 |



SANITARY SEWER AND STORM DROP CONNECTION

STANDARD PLAN: SS - 070

DATE: **FEB. 2008**

Longview: C.B.

Kelso: S.Z.