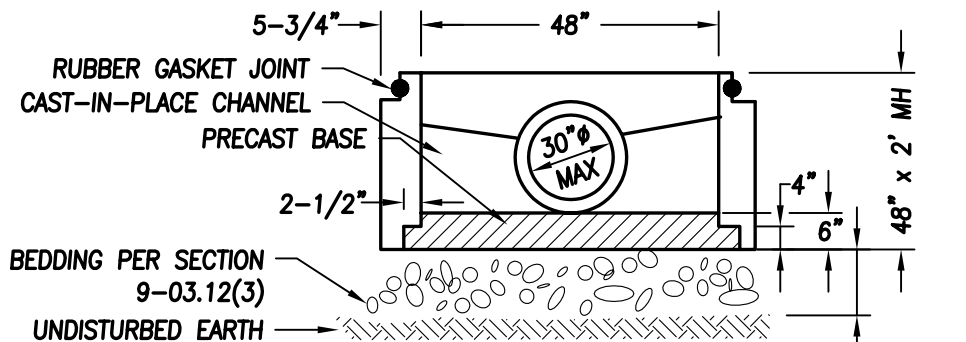
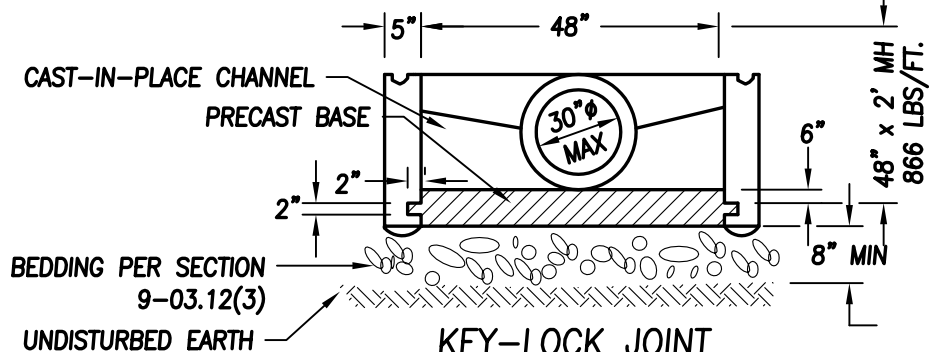


### SECTION A-A CAST IN PLACE BASE



### RUBBER GASKET JOINT



### KEY-LOCK JOINT

### PRECAST MANHOLE BASE (ALTERNATE)

## STANDARD PRECAST MANHOLE

NTS

### NOTES:

1. ALL PRECAST MANHOLE RINGS AND CONES SHALL CONFORM TO ASTM C-478 WITH CAST IN STEPS. SEE MANHOLE STEP DETAILS.
2. IN OVER EXCAVATED AREAS PROVIDE SUPPORT FOR THE PIPE AS FOLLOWS: PLACE 3/4" MINUS CRUSHED ROCK OVER UNDISTURBED GROUND IN 6" LAYERS AND COMPACT USING HAND TAMPER.
3. WHERE SEWER CROSSES OVER THE WATERMAIN, ONE FULL LENGTH OF DUCTILE IRON PIPE SHALL BE USED WITH THE PIPES CENTERED FOR MAXIMUM JOINT SEPARATION.
4. CAST-IN-PLACE, MONOLITHIC MANHOLE MAY BE SUBSTITUTED WITH SPECIFIC APPROVAL OF THE ENGINEER.
5. SEE STANDARD MANHOLE CONNECTION DETAILS.
6. JOINTS SHALL BE CONSTRUCTED SO AS TO BE WATERTIGHT. KENT-SEAL NO. 2 OR APPROVED EQUAL SHALL BE USED ON TONGUE & GROOVE SECTIONS, AND ON RISER RINGS. PREMOLDED "O-RING" MAY BE SUBSTITUTED ON BELL & SPIGOT SECTIONS. ALL JOINTS SHALL BE GROUTED WITH NON-SHRINK CONCRETE GROUT & STRUCK EVEN WITH THE WALL.