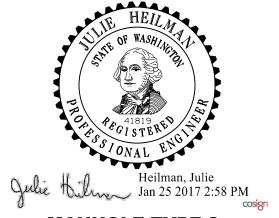


#### **NOTES**

- 1. Knockouts shall have a wall thickness of 2" (in) minimum to 2.5" (in) maximum.
- 2. For pipe allowances, see Standard Plan B-10.20.
- 3. No steps are required when height is 4' (ft) or less.

MANHOLE DIMENSION TABLE				
DIAM.	MIN. WALL THICKNESS	MIN. BASE THICKNESS	MAXIMUM KNOCKOUT SIZE	MINIMUM DISTANCE BETWEEN KNOCKOUTS
48"	4"	6"	36"	8"
54"	4.5"	8"	42"	8"
60"	5"	8"	48"	8"
72"	6"	8"	60"	12"
84"	8"	12"	72"	12"
96"	8"	12"	84"	12"
120"	10"	12"	96"	12"
144"	12"	12"	108"	12"



# **MANHOLE TYPE 3**

# **STANDARD PLAN B-15.60-02**

SHEET 1 OF 1 SHEET



# SUPPLEMENTAL TO STANDARD PLAN B-15.60-02

### **Modify the Standard Plan as follows:**

### Notes:

- 1. Manhole Type 3 shall be used for manhole depths less than 5'. Type 3 shall also be used for deeper manholes where a flat top manhole is called out.
- 2. Manhole diameter shall be 54" for manholes up to 8' deep, and 60" for manholes deeper than 8'.
- 3. Delete note 3. No steps shall be installed for manholes less than 5' deep.
- 4. For manholes greater than 5' deep, steps shall be installed as shown, except no steps in the flat top slab or above. Where steps are installed, they shall be polypropylene.
- 5. Tracer wire shall be installed along the top of all pipe entering the structure, then up the wall and attached with a 3' long coil of slack at the top inside of the structure.
- 6. KOR-N-SEAL Boot Assemblies or approved equal are required for manhole connections. Grout boot flush to manhole wall.
- 7. Grout all joints inside manhole.
- 8. The top of the manhole shall be adjusted to grade following paving.
- 9. Following backfill, vacuum test 50% of the manholes, but not less than one, per the requirements stated in Supplement to Sanitary Sewer Standard Plan B-15.20-01.