



| PIPE SIZE | DEPTH OF COVER | MAX. DIAMETER OF MANHOLE | NUMBER OF PIPE CONNECTIONS ALLOWED |
|------------|----------------|--------------------------|------------------------------------|
| UNDER 12" | < 12' | 4'-0" | 3 |
| | > 12' - 20' | 5'-0" | 3 |
| 12" TO 18" | < 12' | 5'-0" | 3 |
| | > 12' - 20' | 6'-0" | 4 |
| | SEE NOTE #1 | | |

NOTES:

1. MAXIMUM CHIMNEY HEIGHT SHALL BE 18" AS MEASURED FROM INSIDE TAPER ON CONE TO TOP OF COVER.
2. MANHOLES SHALL BE CONCENTRIC UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
3. INVERTS SHALL BE EQUAL TO OR GREATER THAN THE PIPE DIAMETER. ALL INVERTS SHALL BE FORMED TO CENTER OF MANHOLE AND SHALL PROVIDE SMOOTH FLOW TRANSITIONS.
4. FOR MANHOLE DEPTHS GREATER THAN 12 FEET, ADD 4" INCHES OF CONCRETE TO THE WALL THICKNESS FOR EACH ADDITIONAL 6 FEET OF DEPTH.
5. EXTERIOR OF MANHOLE TO HAVE 2 COATS OF NON-FIBERED ASPHALTIC EMULSION BITUMINOUS COATING.
6. THE CONNECTION OF THE SEWER PIPE TO THE MANHOLE SHALL BE ACCOMPLISHED BY USING MANHOLE COUPLING OR RUBBER RING WATER STOPS AS RECOMMENDED BY PIPE MANUFACTURER.
7. CLASS "F" CONCRETE SHALL HAVE A MAXIMUM SLUMP OF 5" AND A 4200 PSI COMPRESSIVE STRENGTH AT 28 DAYS, NO FLY ASH ALLOWED.
8. REFERENCE SERVICE CONNECTION DETAIL ON S-05.
9. ALL CORED PENETRATIONS THROUGH MANHOLE WALLS TO HAVE "LINK SEAL" WATERSTOP OR APPROVED EQUAL.
10. MANHOLE LID SHALL OPEN AWAY FROM TRAVEL DIRECTION OR AS DIRECTED BY INSPECTOR.



SEWER SYSTEM CONSTRUCTION DETAILS
CAST-IN-PLACE SANITARY SEWER MANHOLE

REVISION DATE:
2/1/2024

SHEET: S-01