



Sanitary Sewer Manhole Data

| MH | Top (ft) | Depth (ft) | Inlet Invert (ft) | Inlet Dia (in) | Upstream ID | Inlet Angle CCW from Outlet (deg) | Outlet Invert (ft) | Outlet Dia (in) |
|-----|----------|------------|-------------------|----------------|-------------|-----------------------------------|--------------------|-----------------|
| A-1 | 1297.98 | 6.00 | | | | | 1291.98 | 8 |
| A-2 | 1300.10 | 9.00 | 1291.20 | 8 | A-1 | 148 | 1291.10 | 8 |
| A-3 | 1303.93 | 14.49 | 1289.54 | 8 | B-4 | 270 | 1289.44 | 8 |
| A-4 | 1298.83 | 10.50 | 1288.43 | 8 | A-3 | 180 | 1288.33 | 8 |
| A-6 | 1284.33 | 7.25 | 1277.18 | 8 | A-4 | 261 | 1277.08 | 8 |
| A-6 | 1280.96 | 5.75 | 1275.31 | 8 | A-6 | 268 | 1275.21 | 8 |
| B-1 | 1313.59 | 6.00 | | | | | 1307.59 | 8 |
| B-2 | 1310.10 | 6.50 | 1303.70 | 8 | B-1 | 180 | 1303.60 | 8 |
| B-3 | 1301.25 | 8.00 | 1293.35 | 8 | B-2 | 270 | 1293.25 | 8 |
| B-3 | 1301.25 | 8.00 | 1293.35 | 8 | C-1 | 90 | 1293.25 | 8 |
| B-4 | 1301.92 | 9.42 | 1292.60 | 8 | B-3 | 180 | 1292.50 | 8 |
| B-4 | 1301.92 | 9.42 | 1292.60 | 8 | D-1 | 270 | 1292.50 | 8 |
| C-1 | 1299.71 | 6.00 | | | | | 1293.71 | 8 |
| D-1 | 1304.26 | 6.00 | | | | | 1298.26 | 8 |

PUBLIC SEWER NOTES (CITY OF KINGSPORT)

- ALL SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS OF THE CITY OF KINGSPORT. THE LATEST EDITION OF THE CITY'S "CONSTRUCTION SPECIFICATIONS" AND THE "SPECIFICATION DRAWINGS" ARE A PART OF THE CONTRACT DOCUMENTS FOR THIS PROJECT.
- THE CONTRACTOR IS TO BE RESPONSIBLE FOR ALL COORDINATION WITH THE CITY'S ENGINEERING DIVISION PRIOR TO THE BEGINNING OF CONSTRUCTION, CONFORMING TO THE REQUIREMENTS OF THE CITY'S INSPECTOR DURING CONSTRUCTION, AND REQUESTING FINAL INSPECTION AND APPROVAL FROM THE CITY.
- ALL SEWER PLANS MUST BE SUBMITTED TO AND APPROVED BY THE CITY OF KINGSPORT PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING THE ELEVATIONS OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- ALL EXCAVATIONS FOR TIE-INS AND TAPS AS WELL AS ALL BACKFILLING OPERATIONS WILL BE THE RESPONSIBILITY OF THE DEVELOPER.
- BACKFILL FOR SEWER LINES IN THE STREET SHALL BE COMPACTED CRUSHED STONE.
- CONNECTION TO EXISTING CITY FACILITIES SHALL BE MADE ONLY UNDER THE SUPERVISION OF A REPRESENTATIVE OF THE CITY.
- THE CONTRACTOR SHALL COORDINATE WITH THE DEVELOPER, DESIGN ENGINEER, & SURVEYOR TO ENSURE ALL WATER LINES HAVE BEEN LOCATED FOR AS-BUILT PURPOSES.

CITY OF KINGSPORT SEWER DETAILS

THE LATEST VERSION OF THE FOLLOWING CITY OF KINGSPORT DETAILS ARE HEREBY CONSIDERED A PART OF THESE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE CITY'S CONSTRUCTION SPECIFICATION AND DETAILS:

| NO. | DESCRIPTION |
|-------|---|
| A0.3 | CHECK VALVES |
| A2.5 | PVC BEDDING; CONCRETE ENCASEMENT |
| A2.7 | FLUSH CLEANOUT/ SERVICE LINE |
| A2.8A | WATER & SEWER SEPARATION |
| A2.9 | TRENCH DETAIL |
| A2.10 | INSIDE DROP CONNECTION |
| A2.11 | TYPICAL INVERT PLAN (ALL SIZES) |
| A2.12 | 4" DIAMETER PRECAST CONCRETE MANHOLE |
| A2.17 | TYPICAL TYPE "A" CL MANHOLE FRAME & COVER |

SEWER LATERAL NOTE

ALL SEWER LATERALS SHALL BE SDR 35 PVC.

PUBLIC WATER NOTES (BLOOMINGDALE UTILITY DISTRICT)

- ALL WATER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS OF BLOOMINGDALE UTILITY DISTRICT. THE LATEST EDITION OF THE UTILITY DISTRICT'S "CONSTRUCTION SPECIFICATIONS" AND THE "SPECIFICATION DRAWINGS" ARE A PART OF THE CONTRACT DOCUMENTS FOR THIS PROJECT.
- THE CONTRACTOR IS TO BE RESPONSIBLE FOR ALL COORDINATION WITH THE UTILITY DISTRICT PRIOR TO THE BEGINNING OF CONSTRUCTION, CONFORMING TO THE REQUIREMENTS OF THE UTILITY DISTRICT'S INSPECTOR DURING CONSTRUCTION, AND REQUESTING FINAL INSPECTION AND APPROVAL FROM THE UTILITY DISTRICT.
- ALL WATER PLANS MUST BE SUBMITTED TO AND APPROVED BY BLOOMINGDALE UTILITY DISTRICT PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING THE ELEVATIONS OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- ALL EXCAVATIONS FOR TIE-INS AND TAPS AS WELL AS ALL BACKFILLING OPERATIONS WILL BE THE RESPONSIBILITY OF THE DEVELOPER.
- BACKFILL FOR WATER LINES IN THE STREET SHALL BE COMPACTED CRUSHED STONE.
- CONNECTION TO EXISTING WATER FACILITIES SHALL BE MADE ONLY UNDER THE SUPERVISION OF A REPRESENTATIVE OF THE UTILITY DISTRICT.
- THE CONTRACTOR SHALL COORDINATE WITH THE DEVELOPER, DESIGN ENGINEER, & SURVEYOR TO ENSURE ALL WATER LINES HAVE BEEN LOCATED FOR AS-BUILT PURPOSES.

WATERLINE NOTES

- ALL FITTINGS AND APPURTENANCES SHALL HAVE MECHANICAL JOINT RESTRAINTS (MEGALUG OR APPROVED EQUAL).
- ALL PIPE JOINTS WITHIN 40 FEET OF ANY OF MECHANICAL JOINT RESTRAINTS SHALL HAVE RESTRAINING GASKETS (GRIPPER GASKET OR APPROVED EQUAL).

WATER LATERAL NOTE

ALL 3/4" WATER LATERALS SHALL BE SDR 9 PIPE (PEX, ENDPOUR, OR APPROVED EQUAL).

UTILITY CLEARANCE NOTES

- MINIMUM HORIZONTAL SEPARATION BETWEEN SEWER AND WATER LINES.
 - 10' FROM OUTSIDE EDGES
 - IF LESS THAN 10', THE CROWN OF THE SEWER MAIN MUST BE AT LEAST 18" BELOW THE INVERT OF THE WATER MAIN
- WATER AND SEWER CROSSINGS.
 - THE CROWN OF THE SEWER MAIN MUST BE AT LEAST 30" BELOW THE INVERT OF THE WATER MAIN.
- IF CLEARANCES CAN NOT BE OBTAINED:
 - WHEN IT IS IMPOSSIBLE TO OBTAIN PROPER HORIZONTAL AND VERTICAL SEPARATION AS STIPULATED ABOVE, THE SEWER SHOULD BE DESIGNED AND CONSTRUCTED EQUAL TO THE WATER MAIN PIPE AND SHOULD BE PRESSURE TESTED TO ASSURE WATER TIGHTNESS (SEE DRINKING WATER CRITERIA) OR THE JOINTS OF THE SEWER PIPE SHOULD BE ENCASED IN CONCRETE TO INHIBIT INFILTRATION/EXFILTRATION.

CLIENT:
INTEGRITY BUILDING GROUP, LLC
 135 WEST MAIN STREET
 SUITE 101
 KINGSPORT, TN 37660

PROJECT:
BANCROFT HEIGHTS SUBDIVISION
 BANCROFT CHAPEL ROAD
 KINGSPORT, TN

DATE:
 4/20/2026

DRAWING NAME:
UTILITY PLAN

DRAWING NUMBER:
C5.0