

Standard Utility Notes
(Updated – (06/27/2016))

Please add these General Utility notes to your plans.

WATER AND SEWER UTILITY NOTES

1. ANY TIE-INS TO EXISTING LINES THAT WILL RESULT IN INTERRUPTION OF SERVICE TO ANY CUSTOMER MUST BE COORDINATED WITH THE CITY OF NORFOLK AS TO ACCEPTABLE TIME AND DURATION OF INTERRUPTION. SCHEDULED INTERRUPTIONS OF SERVICE (TIE-INS, ABANDONMENT, ETC.) REQUIRE 3 DAYS ADVANCE NOTICE.
2. ALL TEES, BENDS, PLUGS, AND VALVES SHALL BE PROVIDED WITH MECHANICAL THRUST RESTRAINT AND RESTRAINED TO PROPER LENGTH. PLUGS INSTALLED ON ACTIVE WATER MAINS SHALL BE RESTRAINED. ENDS OF EXISTING LINES TO BE ABANDONED SHALL BE CAPPED WATER-TIGHT.
3. WHERE WATER MAINS PASS OVER SEWER MAINS, THEY MUST BE 18 INCHES ABOVE, OR THE SEWER MUST BE A 20 FOOT SECTION OF AWWA APPROVED PRESSURE PIPE. WHERE WATER LINES PASS BELOW SEWER, 18 INCHES OF CLEARANCE IS REQUIRED AND SEWER MUST BE CONSTRUCTED OF AWWA APPROVED PIPE (18 FOOT LONG PIECE MINIMUM) CENTERED ON WATER MAIN PIPE SECTION.
4. NEOPRENE PADS SHALL BE USED BETWEEN PROPOSED AND EXISTING UTILITIES AT CROSSINGS WHERE THE VERTICAL CLEARANCE IS LESS THAN SIX (6) INCHES.
5. RIGHT-OF-WAY PIPE MATERIAL SHALL BE PVC SDR 26 OR CLASS 52 DI. ALL SANITARY SEWER DUCTILE IRON PIPE SHALL BE LINED WITH PROTECTO 401 OR APPROVED EQUAL.
6. THE LOCATIONS OF EXISTING AND/OR PROPOSED SEWER LATERALS, PRIVATE PROPERTY LINE CLEAN-OUTS AND WATER METER RELOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE, BASED ON CURRENT RECORDS AND PRELIMINARY FIELD INVESTIGATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING SEWER LATERAL AND WATER SERVICE CONNECTIONS AT THE MAIN, CLEANOUT BOXES, AND WATER METER BOXES, (WHERE APPLICABLE) AND AT THE RESIDENCE PRIOR TO COMPLETING ANY REHAB OR REPLACEMENT WORK.
7. PRIOR TO CONSTRUCTION OR EXCAVATION, CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES. CONTRACTOR TO BE RESPONSIBLE FOR REPAIR TO ALL DAMAGED UTILITIES AT HIS EXPENSE.
8. UTILITIES FIELD ENGINEERING OFFICE SHALL BE CONTACTED AT 823-1001 FIVE (5) DAYS PRIOR TO START OF WORK TO SCHEDULE AN INSPECTOR AND PRECONSTRUCTION CONFERENCE. APPROVED SUBMITTALS REQUIRED FOR ALL INSPECTED MATERIALS.
9. ALL CITY RIGHT-OF-WAY AND CITY UTILITY EASEMENT WATER AND SANITARY SEWER WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST HAMPTON ROADS PLANNING DISTRICT COMMISSION REGIONAL SPECIFICATIONS, CITY OF NORFOLK MODIFICATIONS TO THE HRPDC STANDARDS, AND THE VIRGINIA DEPARTMENT OF HEALTH REGULATIONS. APPROVED SUBMITTALS ARE REQUIRED BEFORE UTILITY WORK CAN PROCEED.
10. CITY CREWS SHALL INSTALL ALL TAPS, PIPING, SERVICE LINES, VALVES, VALVE BOXES, FIRE HYDRANTS, DETECTOR CHECKS, METERS, METER BOXES, ETC. AT DEVELOPER'S EXPENSE. SUCH ITEMS SHALL BE INSTALLED WITHIN 90 DAYS FROM PAYMENT OF FEES.
11. DOMESTIC TAPS 4" OR GREATER AND ALL FIRE SERVICE LINE TAPS SHALL BE A MINIMUM OF 5' FROM ANY PIPE JOINT.

12. FOR JOINTS BETWEEN SANITARY SEWER MANHOLE SECTIONS, "RAM NECK" OR EQUIVALENT SHALL BE USED.
13. ALL MANHOLE CASTINGS IN PAVED AREAS SHALL BE ADJUSTABLE TYPE. SURFACE FEATURES SUCH AS MANHOLE COVERS, VALVE BOX COVERS, METER BOX COVERS, SEWER CLEAN-OUTS, AND VENTS SHALL BE RE-ESTABLISHED TO FINISH GRADE.
14. ALL SANITARY SEWER MANHOLES GREATER THAN 12 FEET IN DEPTH SHALL BE 60" IN DIAMETER BELOW SIX FEET OF MANHOLE DEPTH. ABOVE SIX FEET OF MANHOLE DEPTH THE MANHOLE DIAMETER SHALL BE 48".
15. LOCATION AND DEPTH OF ALL PUBLIC UTILITIES SHALL BE FIELD VERIFIED BY DEVELOPER'S CONTRACTOR WITH A NORFOLK DEPARTMENT OF UTILITIES INSPECTOR PRESENT. CONTRACTOR SHALL CONTACT THE UTILITIES FIELD ENGINEERING OFFICE, TELEPHONE 823-1001, AT LEAST 72 HOURS PRIOR TO EXCAVATION TO ARRANGE FOR AN NORFOLK DEPARTMENT OF UTILITIES INSPECTOR TO BE PRESENT.
16. RIGHT-OF-WAY SANITARY SEWER INSTALLATIONS SHALL BE PERFORMED BY THE DEVELOPER'S CONTRACTOR AND INSPECTED BY THE DEPARTMENT OF UTILITIES.
17. CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICES AT ALL TIMES; ANY DAMAGE TO EXISTING UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.
18. ANY ACTIVITIES THAT WILL RESULT IN INTERRUPTION OF SERVICE TO ANY CUSTOMER MUST BE COORDINATED WITH THE UTILITIES WATER DISTRIBUTION AT 823-1001 AS TO AN ACCEPTABLE TIME AND DURATION OF INTERRUPTION. SCHEDULED INTERRUPTIONS OF SERVICE REQUIRE 3 WORKING DAYS ADVANCE NOTICE.
19. ALL UTILITIES SURFACE FEATURES SUCH AS SEWER MANHOLE COVERS, VALVE BOX COVERS, METER BOX COVERS, AND SEWER CLEANOUT LIDS WITHIN THE PROJECT AREA ARE TO BE REESTABLISHED TO FINISH GRADES.
20. EXISTING FIRE HYDRANTS LOCATED IN THE PROJECT AREA SHALL BE VISIBLE AND ACCESSIBLE AT ALL TIMES.
21. AT LEAST 95% STANDARD PROCTOR COMPACTION SHALL BE ACHIEVED FOR THE BACKFILL OF THE OPEN CUTS FOR THE WATER SEWER MAIN TRENCHES.
22. DURING CONSTRUCTION, PROVIDE ADEQUATE PIPE PROTECTION, RESTRAINT, AND SUPPORT BETWEEN PROPOSED UTILITIES AND EXISTING WATER AND SANITARY SEWER MAINS WHERE VERTICAL SEPARATION IS LESS THAN 12 INCHES. CONTRACTOR TO SUBMIT DETAIL TO CITY OF NORFOLK PRIOR TO APPROVAL PRIOR TO INSTALLATION.
23. FOR REQUIRED WATER MAIN SHUTDOWNS, THE CONTRACTOR SHALL COORDINATE IN ADVANCE WITH THE DEPARTMENT OF UTILITIES INSPECTOR. THIS IS TO ENSURE PREREQUISITE REQUIREMENTS AND PRECAUTIONS TAKE PLACE AND ARE SATISFIED.
24. PARALLEL ELECTRONIC CABLING SHALL NOT BE INSTALLED WITHIN 4 FEET OF EDGE OF RAW WATER AND FINISH WATER TRANSMISSION MAINS.
25. HAND DIGGING IN VICINITY OF RAW WATER MAINS IS REQUIRED WHEN INSTALLING OTHER CROSSING UTILITIES.

26. CONTRACTOR SHALL EXERCISE EXTREME CARE WHILE DEMOLISHING EXISTING STREET PAVEMENT AROUND RAW WATER LINES.
27. NO MATERIALS SHALL BE STORED WITHIN 15 FEET OF RAW WATER MAINS.
28. CONTRACTOR IS REQUIRED TO PROVIDE CITY UTILITY INSPECTOR AS BUILT DRAWINGS. AS BUILT INFORMATION SHALL BE PERFORMED UNDER THE SUPERVISION OF A CITY INSPECTOR.
29. WATER SERVICE LINES
 - a. WHERE WATER SERVICE LINE MUST CROSS OVER SEWERS, STORM DRAINS OR GAS LINES, THE SERVICE LINE MUST BE LAID AT SUCH AN ELEVATION THAT THE BOTTOM OF THE SERVICE LINE IS AT LEAST EIGHTEEN (18) INCHES ABOVE THE TOP OF THE SEWER OR OTHER PIPE. THIS VERTICAL SEPARATION MUST BE MAINTAINED FOR THAT PORTION ON THE SERVICE LINE WITHIN TEN FEET HORIZONTALLY OF ANY SEWER LINE THAT IT CROSSES, MEASURED AS THE CLEARANCE FROM THE SERVICE LINE TO THE SEWER OR OTHER PIPE. MINIMUM COVER OF 24 INCHES AT THE DITCH INVERT SHALL BE MAINTAINED.
 - b. SHOULD TEMPORARY WATER SERVICE LINE REMOVAL BECOME NECESSARY DUE TO LAYING OF SEWERS, STORM DRAIN PIPES AND GAS LINES, THE WATER SERVICE LINE SHALL BE REPLACED IN ITS ENTIRETY BETWEEN THE CORPORATION STOP AND METER STOP. **CUTTING AND SPLICING WATER SERVICE LINES FOR RESOLVING UTILITY CONFLICTS SHALL NOT BE PERMITTED.** WATER SERVICE REPLACEMENT WORK SHALL BE PERFORMED IN THE PRESENCE OF A DEPARTMENT OF UTILITIES FIELD ENGINEERING OFFICE INSPECTOR.