

WATER AND SEWER NOTES

1. All construction materials and installation shall conform to the latest edition of "Standards, Department of Public Utilities" (DPU), County of Henrico, Virginia.
2. Contractor shall be responsible for notifying the DPU Construction Division to schedule a pre-construction meeting at least 48 hours prior to starting any work on this project. Contractor shall obtain all necessary permits.
3. Contractor shall include in applicable bid price, cost of locating and uncovering all sewer manholes and valve boxes after completion of all paving and to adjust them to the final road grades. Contractor shall also be responsible for cleaning out sewer mains for final inspection, if necessary.
4. Existing utilities across or along the line of the proposed work are shown only in an approximate location on the plans. Contractor shall, on his own initiative and no additional cost, locate all underground lines and structures as necessary. Contractor shall call "Miss Utility" at 811 prior to construction. Contractor will be responsible for any damage to underground lines or structures.
5. Datum for all elevations shown is National Geodetic Survey NAVD 88.
6. Minimum cover over top of water pipe must be 3.50 feet.
7. Service saddles must be used on water connections to PVC mains less than 6" in diameter.
8. Fire hydrants shall be installed in accordance with DPU Standard Drawing D-495-1 and D-495-2.
9. Engineer shall certify that unpaved streets are to subgrade prior to Contractor installing water system. Curb and gutter, if required, shall be installed prior to acceptance of water system by County.
10. No structures or planting of trees shall be permitted in utility easements.
11. Vandal proof/watertight covers shall be used on all manholes in easements and in flood plains. The manhole covers shall be in accordance with DPU Standard Drawings D-150, D-155, and D-160.
12. Final Acceptance by County shall not be made until all work shown on approved utility plans is completed including paving, grading, and all required adjustments.
13. A Wetlands Permit may be required from the U.S. Army Corps of Engineers for this project. For information concerning such requirement, contact the Corps at (804) 462-5382
14. DPU will inspect all water and sanitary sewer mains, connections, and appurtenances thereto, as shown on the approved utility plans, located within dedicated easements and/or Public Rights-of-Way. Furthermore, DPU will inspect all private sewer mains through the last manhole. All other lines to be installed on site to serve roof drainage, water supply, and sanitary sewers shall be approved by the Department of Building Inspections prior to installation and shall be inspected by Building Inspections before covering.
15. Concurrent inspections by Building Inspections and DPU will be performed for the following: Mainline backflow preventers; monitoring manholes; grease traps; exclusion meters; irrigation meters. DPU will inspect to insure that the proper type facility, as shown on the approved utility plans, has been installed and tested in accordance with DPU Standards.