

# HANOVER COUNTY DEPARTMENT OF PUBLIC UTILITIES

## GENERAL UTILITY NOTES:

1. ALL WATER AND SEWER CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE STANDARDS AND REQUIREMENTS OF THE HANOVER COUNTY DEPARTMENT OF PUBLIC UTILITIES. THE COUNTY'S WATER AND SANITARY SEWER STANDARDS ARE INCORPORATED BY REFERENCE.
2. THE CONTRACTOR SHALL CONTACT THE HANOVER COUNTY DEPARTMENT OF PUBLIC UTILITIES INSPECTION DIVISION TO SCHEDULE A PRE-CONSTRUCTION CONFERENCE AT LEAST 48 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY ON WATER OR SEWER IMPROVEMENTS.
3. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS FOR THE WORK.
4. A PERMIT FROM THE VIRGINIA DEPARTMENT OF TRANSPORTATION IS REQUIRED FOR ALL WORK WITHIN A PUBLIC ROAD RIGHT-OF-WAY. WITHIN THE LIMITS OF THE TOWN OF ASHLAND THE TOWN ISSUES THIS PERMIT FOR ALL ROADS EXCEPT I-95.
5. WATERLINES 12" AND SMALLER SHALL BE DUCTILE IRON PIPE MEETING THE REQUIREMENTS OF AWWA C151 THICKNESS CLASS 52 OR PVC PIPE MEETING THE REQUIREMENTS OF AWWA C900; CLASS 150.
6. METER BOX LIDS SHALL HAVE A 1-3/4" DIAMETER HOLE LOCATED IN ITS CENTER. THE HOLE SHALL EITHER BE CAST IN PLACE AT THE FOUNDRY OR AFTER CASTING BE RETROFITTED VIA A PLASMA ARC TORCH.
7. THE LOCATION OF EXISTING UTILITIES ACROSS OR ALONG THE ROUTE OF THE PROPOSED WORK IS NOT NECESSARILY SHOWN ON THE PLANS, AND WHEN SHOWN, IS ONLY APPROXIMATELY CORRECT. THE CONTRACTOR SHALL, ON HIS OWN INITIATIVE, LOCATE ALL EXISTING UNDERGROUND LINES, FACILITIES AND STRUCTURES AS REQUIRED. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY UNDERGROUND LINES, FACILITIES AND STRUCTURES DAMAGED BY HIS ACTIVITIES.
8. CONTRACTOR SHALL CALL "MISS-UTILITY" AT (800)552-7001 PRIOR TO THE START OF CONSTRUCTION.
9. NO STRUCTURES OR TREES SHALL BE PERMITTED IN UTILITY EASEMENTS.
10. FINAL ACCEPTANCE OF WORK BY THE HANOVER COUNTY DEPARTMENT OF PUBLIC UTILITIES SHALL NOT BE MADE UNTIL ALL WORK SHOWN ON THE APPROVED PLANS IS COMPLETED.
11. TWO SETS OF PRINTS AND ONE ELECTRONIC COPY OF THE AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE DEPARTMENT OF PUBLIC UTILITIES PRIOR TO TENTATIVE ACCEPTANCE OF THE WORK BY THE COUNTY.
12. WATER CONNECTIONS SHALL NOT BE BACKFILLED PRIOR TO APPROVAL BY THE HANOVER COUNTY DEPARTMENT OF PUBLIC UTILITIES.
13. ALL WATERLINES SHALL HAVE A MINIMUM OF 3.5 FEET OF COVER.
14. TESTING NOTES:  
PRESSURE:  
LEAKAGE SHALL NOT EXCEED THE MAXIMUM ALLOWABLE LEAKAGE SPECIFIED IN AWWA C600. MINIMUM TEST PRESSURE SHALL BE 150 PSI.  
BACTERIOLOGICAL:  
TWO SAMPLES FOR BACTERIOLOGICAL SAMPLING SHALL BE COLLECTED AT LEAST 24 HOURS APART. IF CONTAMINATION IS INDICATED, THEN THE DISINFECTION PROCEDURE AND TESTING SHALL BE REPEATED UNTIL SATISFACTORY RESULTS ARE OBTAINED.
15. THE CHLORINE IN HEAVILY CHLORINATED WATER FLUSHED FROM MAINS NEEDS TO BE NEUTRALIZED BEFORE DISCHARGE. CONTRACTORS MUST PROVIDE EQUIPMENT FOR NEUTRALIZING HEAVILY CHLORINATED WATER FLUSHED FROM MAINS DURING CONSTRUCTION PRIOR TO DISCHARGING THE WATER.
- 16A. RESTRAINED JOINT PIPE AND FITTINGS SHALL BE UTILIZED AT ALL WATER LINE STUB-OUTS AND DEAD ENDS FOR A MINIMUM OF 90 FT OR BACK TO THE FAR SIDE OF THE NEAREST VALVE, TEE, OR CROSS, WHICHEVER IS SHORTER, UNLESS ANOTHER DISTANCE IS SPECIFICALLY CALLED OUT ON THE PLANS.
- 16B. IT SHOULD BE ASSUMED THAT EVERY FITTING WILL BE REQUIRED TO HAVE RESTRAINED JOINTS UNLESS OTHERWISE NOTED ON THE PLANS. WHERE CONDITIONS ALLOW OR WARRANT, CONCRETE THRUST BLOCKING MAY BE USED AS A SUBSTITUTE FOR RESTRAINED JOINTS OR MAY BE REQUIRED IN ADDITION TO THE RESTRAINT SYSTEM AS DECIDED BY THE DPU INSPECTOR.
17. MONITORING MANHOLES SHALL BE INSTALLED ON ALL SEWER LATERALS WHERE NON-DOMESTIC OR STRONG WASTE WILL POTENTIALLY BE DISCHARGED TO THE PUBLIC SEWER SYSTEM. IF MONITORING MANHOLES ARE NOT PROVIDED WITH THE INITIAL CONSTRUCTION, THE DEPARTMENT OF PUBLIC UTILITIES MAY REQUIRE THAT THE OWNER ADD A MONITORING MANHOLE, AT THE OWNERS COST, SHOULD THE USE OF THE FACILITY CHANGE, SHOULD THE CHARACTERISTICS OF THE WASTE DISCHARGED BE CHANGED, SHOULD REGULATIONS CHANGE, OR SHOULD THE DEPARTMENT DETERMINE FOR ANY REASON WHAT SO EVER, IN ITS SOLE JUDGEMENT, THAT A MONITORING MANHOLE IS NECESSARY TO PROTECT THE CENTRAL SEWER SYSTEM OR TREATMENT FACILITIES.
18. SEWER LATERALS SHALL BE NO MORE THAN 8 FEET DEEP AT THE EASEMENT OR PROPERTY LINE UNLESS OTHERWISE SPECIFICALLY SHOWN DEEPER THAN 8 FEET ON THE APPROVED PLANS.

DATE MAY 2004  
REV JAN 2011

## STANDARD SEWER AND WATER NOTES

DETAIL  
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