

### GENERAL WATERLINE DISTRIBUTION NOTES

1. WATER MAIN PIPE SHALL BE PVC CONFORMING TO AWWA C900, DR14. NO J.M. PIPE.
2. ALL LENGTHS OF WATER LINE SHOWN ON THE MASTER UTILITY PLAN ARE FROM THE CENTER TO THE CENTER OF ALL VALVES OR FITTINGS.
3. DEFLECTION SHALL NOT BE OBTAINED THROUGH JOINTS. DEFLECTION ALLOWED BY THE TOWN OF FREDERICK SHALL BE HALF OF THE PIPE MANUFACTURER'S ALLOWABLE DEFLECTION. MORE THAN ONE PIPE LENGTH MAYBE REQUIRED TO OBTAIN INTENDED ALIGNMENT.
4. THE CONTRACTOR SHALL INSTALL TEMPORARY BLOW-OFFS FOR TESTING AND FLUSHING OF THE WATER MAINS IF NEEDED.
5. WATER SERVICE DISTANCES REFLECT THE DISTANCE BETWEEN SERVICES, OR BETWEEN THE SERVICES AND TEES, CROSSES OR BENDS.
6. A TEMPORARY BLOW-OFF OR FIRE HYDRANT IS REQUIRED FOR EACH DEAD-END LINE THAT HAS A SERVICE LINE CONNECTED TO THE MAIN.
7. FIRE HYDRANT LINES SHALL BE 6-INCH DIAMETER CLASS 52 DUCTILE IRON PIPE.
8. ALL WATERLINE SHALL HAVE A MINIMUM 4.5 BURY DEPTH TO THE TOP OF PIPE.
9. ALL WATERLINE BENDS SHALL HAVE A THRUST BLOCK DESIGNED BY THE DESIGN ENGINEER.
10. THE CONTRACTOR SHALL SET UP THE DISINFECTING AND HYDROSTATIC TEST WITH THE TOWN OF FREDERICK PUBLIC WORKS DEPARTMENT AFTER INSTALLATION IS COMPLETE.

