

WATER NOTES

1. ALL MAINS 4 INCH TO 12 INCH SHALL BE AWWA C900, PRESSURE CLASS 150 PVC SDR 18. FITTINGS 4 INCH SHALL BE SLIP JOINT PVC PER SPECIFICATIONS. PVC PIPING SHALL BE INSTALLED WITH APPROVED COPPER LOCATING WIRE. NO NEW MAINS SHALL BE SMALLER THAN 4 INCHES.
2. ALL PLASTIC WATER PIPING IS TO HAVE A 12 GAUGE INSULATED SOLID COPPER WIRE INSTALLED ITS ENTIRE LENGTH PER CITY OF ROCK HILL SPECIFICATIONS TO AID IN LOCATING THE PIPE FOR FUTURE MAINTENANCE PURPOSES.
3. DIP SHALL BE IN ACCORDANCE WITH AWWA/ANSI C150/A21.50 AND C151/A21.51.
4. ASBESTOS CEMENT PIPE SHALL NOT BE USED IN POTABLE WATER SYSTEMS EXCEPT IN THE REPAIR OF AN EXISTING ASBESTOS CEMENT LINES WITH THE APPROVAL OF THE CITY ENGINEER.
5. FIRE HYDRANTS SHALL BE CITY OF ROCK HILL STANDARD.
6. CITY TO BE NOTIFIED OF ALL PRIVATE HYDRANT TESTING. THE DEVELOPER/CONTRACTOR IS RESPONSIBLE FOR FLOW TESTING PRIVATE FIRE HYDRANTS. FLOW TEST RESULTS FOR PRIVATE HYDRANTS MUST BE SHOWN IN "AS-BUILT" PLANS.
7. ALL WATER MAIN VALVES MUST OPEN COUNTERCLOCKWISE IN CONFORMANCE WITH CITY OF ROCK HILL STANDARDS.
8. COORDINATE WITH CITY PERSONNEL IF EXISTING VALVES NEED TO BE OPERATED. ONLY CITY STAFF TO OPERATE EXISTING VALVES ON CITY'S WATER SYSTEM.
9. BLOCKING SHALL BE INSTALLED AT ALL BENDS, TEES, VALVES, REDUCERS, BLOW-OFFS, AND HYDRANT LOCATIONS, UNLESS ALTERNATIVES ARE SHOWN ON DETAILS.
10. NO FLUSHING DEVICE SHALL DIRECTLY BE CONNECTED TO ANY SEWER SYSTEM.
11. VAULTS OR MANHOLES CONTAINING VALVES, BLOW-OFFS, AND HYDRANT LOCATIONS, METERS, AIR RELIEF VALVES, OR OTHER SUCH APPURTENANCES TO A DISTRIBUTION SYSTEM, SHALL NOT BE CONNECTED DIRECTLY TO ANY STORM DRAIN OR SANITARY SEWER.
12. WATER MAIN PIPE CROSSING STORM DRAINAGE PIPE SHALL BE LAID SUCH THAT WATER MAIN PIPE IS CENTERED OVER THE STORM DRAINAGE PIPE AND NOT AT A JOINT.
13. A CONTINUOUS AND UNIFORM BEDDING SHALL BE PROVIDED IN THE TRENCH FOR ALL BURIED PIPE. BACK-FILL MATERIAL SHALL BE TAMPED IN LAYERS AROUND THE PIPE AND TO A SUFFICIENT HEIGHT ABOVE THE PIPE TO ADEQUATELY SUPPORT AND PROTECT THE PIPE. STONES, OTHER THAN CRUSHED BEDDING, SHALL NOT COME INTO CONTACT WITH THE PIPE AND SHALL NOT BE WITHIN 6 (SIX) INCHES OF THE PIPE.
14. A 'W' SHALL BE ETCHED INTO THE CURBING SHOWING THE LOCATION OF WATER METERS.
15. A 'V' SHALL BE ETCHED INTO THE CURBING SHOWING THE LOCATION OF WATER VALVES.
16. VALVES SHALL NOT BE LOCATED IN SIDEWALKS, CURBING, DRIVEWAYS, OR ASPHALT AREAS UNLESS APPROVED.
17. VALVES SHALL BE ADJUSTED IN NEW CONSTRUCTION TO BE LOCATED OUTSIDE THE INTERSECTION OF INTERSECTING STREETS.
18. REFER TO CITY OF ROCK HILL STANDARD SPECIFICATIONS AND DETAILS REGARDING SERVICE LINE AND PIPE MATERIAL.
19. WATER SERVICE PIPING LOCATED BEYOND THE METER SHALL BE PRIVATELY OWNED AND MAINTAINED BY THE PROPERTY OWNER.
20. WATER MAINS LOCATED WITHIN OR RUNNING PARALLEL TO ROAD RIGHTS-OF-WAY, MUST HAVE A MINIMUM OF 36 INCHES OF COVER AS MEASURED FROM THE ROADWAY EDGE OF PAVEMENT ELEVATION.

CITY OF ROCK HILL
 UTILITIES DEPARTMENT
 757 S. ANDERSON ROAD
 ROCK HILL, SC 29730



STANDARD DETAIL

NOTES-WATER

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