



- NOTES:
1. THE VALVE AND JOINT ASSEMBLIES SHALL BE WRAPPED IN POLYETHYLENE ACCORDING TO AWWA C105.
  2. THE JOINT TYPE SHALL BE MECHANICAL JOINT UNLESS OTHERWISE SPECIFIED IN THE PLANS.
  3. GATE VALVE SHALL BE RESILIENT SEAT TYPE WITH A NON RISING STEM AND A 2-INCH SQUARE OPERATOR NUT RESILIENT SEAT GATE VALVE SHALL CONFORM TO AWWA C509. ALL NUTS AND BOLTS SHALL BE 304 STAINLESS STEEL.
  4. A PERMANENTLY ATTACHED VALVE EXTENSION STEM SHALL BE REQUIRED FOR ANY VALVE WITH AN OPERATING NUT LOCATED IN EXCESS OF 4 FEET BELOW THE TOP OF VALVE BOX. THIS EXTENSION SHALL BE OF SUFFICIENT LENGTH TO ENSURE THAT ITS TOP IS WITHIN 18" - 24" FEET OF VALVE BOX LID. VALVE BOX EXTENSIONS SHALL BE CAST IRON. PVC PIPE IS NOT ALLOWED.
  5. 16" AND LARGER GATE VALVES REQUIRE CONCRETE BLOCK UNDER THE VALVE BODY.
  6. ALL VALVE COVERS SHALL BE PAINTED BLUE.
  7. A "V" SHALL BE SAW CUT IN THE CURB AT ALL VALVE LOCATIONS WITH "V" POINTED TOWARDS VALVE.
  8. VALVES SHALL NOT BE INSTALLED IN EXISTING OR PROP. SIDEWALKS OR CURBS.
  9. VALVES SHALL BE INSTALLED IN CENTER OF LANES AND OUTSIDE NORMAL TIRE PATH OF LANE WHERE POSSIBLE.
  10. VALVE STEM EXTENSIONS SHALL NOT HAVE RETAINING CLIPS.
  11. VALVE STEM EXTENSIONS SHALL HAVE A CENTERING RING.



**WATER CONSTRUCTION DETAILS**  
**GATE VALVE INSTALLATION**

REVISION DATE:  
2/1/2024

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SHEET: W-12