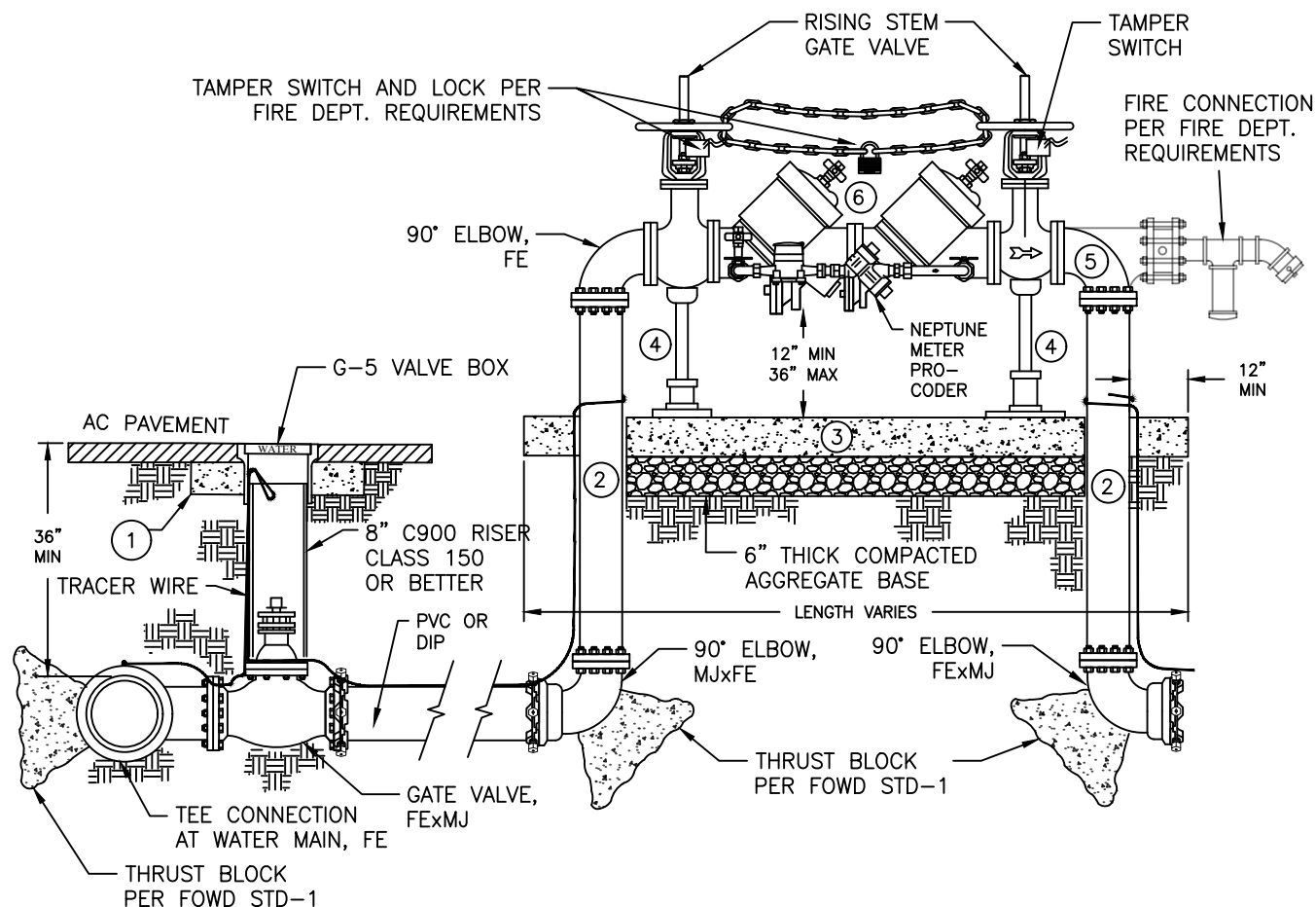


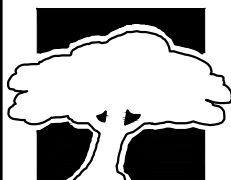


NOTES:

- ① 6"x6" THICK CIRCULAR CONCRETE COLLAR UNDER AC PER SACRAMENTO COUNTY STANDARDS.
- ② FLANGED DUCTILE IRON SPOOL, LENGTH VARIES. WRAP WITH 2 LAYERS OF 8 MIL POLY WRAP AT SLAB PENETRATIONS.
- ③ 4" THICK x 24" MIN. WIDE CONCRETE PAD WITH VARYING LENGTH. CONCRETE TO EXTEND 12" BEYOND PIPE RISERS.
- ④ PIPE SUPPORT BOLTED TO THE CONCRETE, MIN. 2" GALVANIZED SCH.40.
- ⑤ 90° ELBOW (FE) OR TEE (FE) FOR FIRE CONNECTION.
- ⑥ REDUCED PRESSURE PRINCIPLE DETECTOR ASSEMBLY (RPDA) SHALL BE APPROVED BY FOWD AND SHALL BE SHOWN ON THE PLANS. THE BACKFLOW ASSEMBLY MUST BE LEAD-FREE, AND APPROVED BY FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH BY THE UNIVERSITY OF SOUTHERN CALIFORNIA. RPDA SHALL BE ON THE MOST RECENT LIST OF APPROVED ASSEMBLIES (<https://fccchr.usc.edu/list.html>).
7. PIPING FROM METER TO BACKFLOW CONNECTION SHALL BE INSPECTED BY FOWD PRIOR TO BACKFILL. THE BACKFLOW ASSEMBLY SHALL BE INSTALLED WITHIN 5 FEET OF THE METER (EXCEPTION TO BE APPROVED BY FOWD). NO TEES ARE ALLOWED BETWEEN METER AND RPDA.
8. RPDA TO BE INSPECTED AND CERTIFIED BY A FOWD CERTIFIED TESTER PRIOR TO WATER SERVICE ACTIVATION. RPDA SHALL BE CERTIFIED ANNUALLY BY A CERTIFIED TESTER AS PER CA STATE REQUIREMENTS.
9. RPDA MUST HAVE A SIDE CLEARANCE OF 12", EXCEPT THAT MINIMUM SIDE CLEARANCE OF 24" MUST BE PROVIDED ON THE SIDE OF THE ASSEMBLY THAT CONTAINS THE TEST COCKS.
10. RPDA AND ALL PIPING LOCATED ON PRIVATE PROPERTY OR WITHIN A PUBLIC UTILITY EASEMENT IS OWNED AND MAINTAINED BY THE PROPERTY OWNER. THE FOWD LIMIT ENDS AT OUTLET SIDE OF VALVE AT THE TEE IF VALVE IS LOCATED WITHIN A PUBLIC UTILITY EASEMENT OR DEDICATED WATER EASEMENT.
11. INSTALLATION OF GATE VALVES ON ALL THREE SIDES OF TEE AT WATER MAIN IS REQUIRED UNLESS OTHERWISE APPROVED BY FOWD.
12. FOWD RECOMMENDS INSTALLATION OF SECURITY ENCLOSURE DUE TO POTENTIAL DAMAGE OR TAMPERING. ADDITIONALLY, A FREEZE PROTECTION BAG SHOULD BE PLACED AROUND THE ASSEMBLY AND ANY ABOVE-GROUND PIPING.
13. PLACE #10 AWG TRACER WIRE TAPED TO PIPE AND CONNECTED TO TRACER WIRE ON MAIN PER FOWD STD-5.
14. ALL BURIED METAL SHALL BE ENCASED WITH 8 MIL POLY WRAP.
15. ALL MECHANICAL JOINT (MJ) CONNECTIONS SHALL BE COUPLED WITH MEGALUGS.
16. MIN. 10 FT HORIZONTAL SEPARATION FROM SEWER AND 4 FT FROM ANY OTHER UTILITIES IS REQUIRED.
17. VALVE BOX AND RISER SHALL BE SET PLUMB AND CENTERED OVER WATER VALVE NUT.

FAIR OAKS WATER DISTRICT

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FAIR OAKS
WATER DISTRICT

REDUCED PRESSURE PRINCIPLE DETECTOR ASSEMBLY FOR FIRE SERVICES 3" AND LARGER

STANDARD DRAWING 12-1

APPROVED: B. CHETCUTI

DRAWN BY: D. LEE

DRAWING: STD-12-1

REVISED: JUNE 2026

SCALE: NONE

STANDARD SPECIFICATIONS