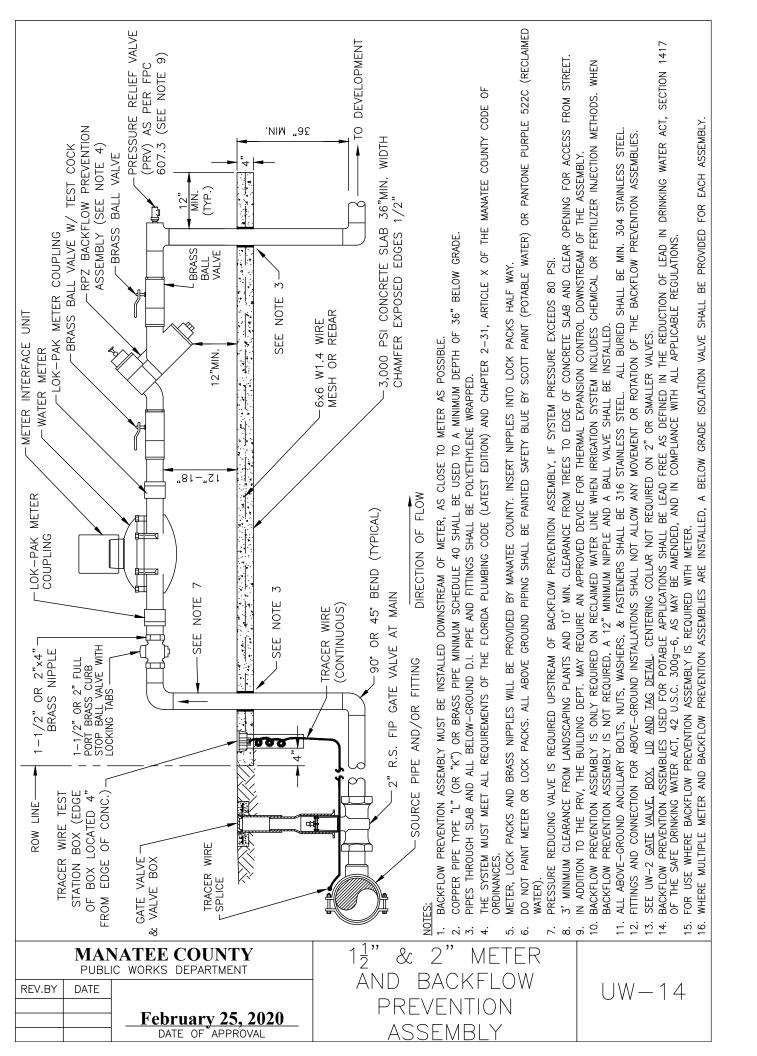
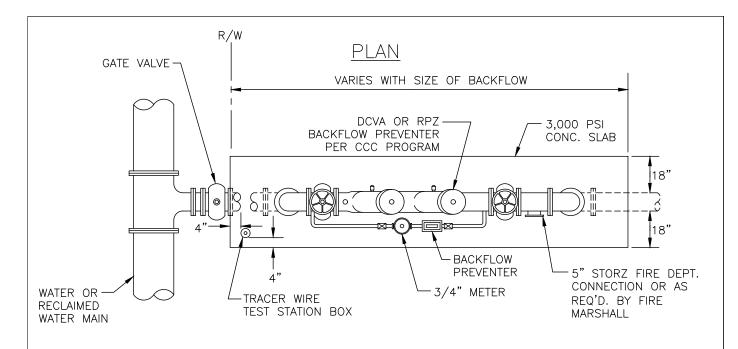


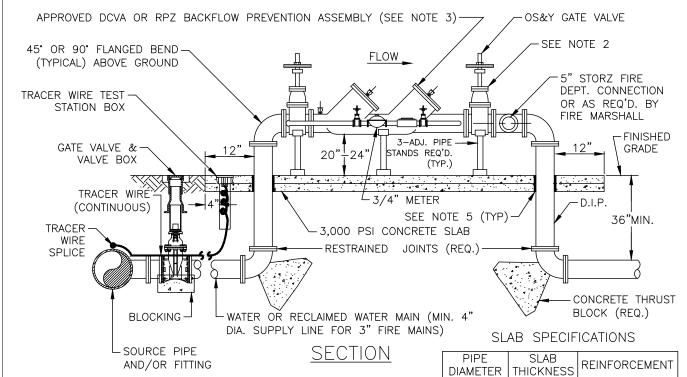
NOTES:

- 1. BACKFLOW PREVENTION ASSEMBLY MUST BE INSTALLED IMMEDIATELY DOWNSTREAM OF METER, AS SHOWN ABOVE
- 2. COPPER PIPE TYPE "L" (OR "K") OR BRASS PIPE MINIMUM SCHEDULE 40 SHALL BE USED TO A MINIMUM DEPTH OF 12" BELOW GRADE.
- 3. PIPES PASSING THROUGH CONCRETE SLAB SHALL BE PROPERLY PROTECTED; POLYETHYLENE WRAPPED OR PVC SLEEVED. COPPER SHALL NOT COME IN CONTACT WITH THE CONCRETE.
- 4. THE SYSTEM MUST MEET ALL REQUIREMENTS OF THE FLORIDA PLUMBING CODE (LATEST EDITION) AND CHAPTER 2-31, ARTICLE X OF THE MANATEE COUNTY CODE OF ORDINANCES.
- 5. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 1/2".
- 6. BACKFLOW PREVENTER SHALL BE TESTED AT THE TIME OF INSTALLATION.
- 7. PRESSURE REDUCING VALVE IS REQUIRED UPSTREAM OF BACKFLOW PREVENTION ASSEMBLY, IF SYSTEM PRESSURE EXCEEDS 80 PSI.
- 8. 3' MINIMUM CLEARANCE FROM LANDSCAPING PLANTS AND 10' MIN. CLEARANCE FROM TREES TO EDGE OF CONCRETE SLAB AND CLEAR OPENING FOR ACCESS FROM STREET.
- 9. IN ADDITION TO THE PRV, THE BUILDING DEPT. MAY REQUIRE AN APPROVED DEVICE FOR THERMAL EXPANSION CONTROL DOWNSTREAM OF THE ASSEMBLY.
- 10. FITTINGS AND CONNECTIONS FOR ABOVE—GROUND INSTALLATIONS SHALL NOT ALLOW ANY MOVEMENT OR ROTATION OF BACKFLOW PREVENTION ASSEMBLY.
- 11. REFER TO DETAIL US-15 WATER METER & BACKFLOW PREVENTER FOR LIFT STATIONS FOR WATER SERVICE AT SEWAGE PUMPING STATION.
- 12. BACKFLOW PREVENTION ASSEMBLIES USED FOR POTABLE APPLICATIONS SHALL BE LEAD FREE AS DEFINED IN THE REDUCTION OF LEAD IN DRINKING WATER ACT, SECTION 1417 OF THE SAFE DRINKING WATER ACT, 42 U.S.C. 300q-6, AS MAY BE AMENDED, AND IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS

MANATEE COUNTY PUBLIC WORKS DEPARTMENT			3/4" & 1" BACKFLOW	
REV.BY	DATE		DACKFLOW	1.0W - 1.3
		7.1	PREVENTION	
		February 25, 2020 DATE OF APPROVAL	ASSEMBLY	







NOTES:

- 1. THIS DETAIL FOR FIRE PROTECTION ONLY.
- 2. WHEN PRESSURE TESTING FIRE LINE, TEST AGAINST DOWNSTREAM GATE VALVE.
- 3. THE SYSTEM MUST MEET ALL REQUIREMENTS OF THE FLORIDA PLUMBING CODE (LATEST EDITION), CHAPTER 2-31, ARTICLE X OF THE MANATEE COUNTY CODE OF ORDINANCES, AND THE MANATEE COUNTY FIRE MARSHALL REQUIREMENTS.
- 4. ABOVE GROUND PIPING SHALL BE FLANGED DUCTILE IRON CLASS 53.
- 5. PIPE THROUGH SLAB AND ALL BELOW-GROUND D.I. PIPE AND FITTINGS SHALL BE POLYETHYLENE WRAPPED.
- ALL EXPOSED EDGES OF CONCRETE SHALL HAVE 1/2" CHAMFER.
 THE EDGE OF THE CONCRETE SLAB SHALL BE 6 FEET MIN. FROM LANDSCAPE VEGETATION AND ABOVEGROUND OBJECTS; AND 10 FEET FROM TREES. STREET SIDE OF ASSEMBLY SHALL REMAIN OPEN.
- * REBAR MAY BE USED.

 8. ALL ABOVE—GROUND ANCILLARY BOLTS, NUTS, WASHERS, & FASTENERS SHALL BE 316 STAINLESS STEEL. ALL BURIED SHALL BE MIN. 304 STAINLESS STEEL.

4"

4"

6x6 W1.4

WIRE MESH*

6x6 W3

WIRE MESH*

- 9. SEE UW-2 <u>GATE VALVE, BOX, LID AND TAG</u> DETAIL.
- 10. PIPE STANDS SHALL BE BOLTED TO SLAB.

2" TO 10"

12" TO 18'

- 11. ABOVE GROUND PIPING SHALL BE PAINTED SAFETY RED
- 12. REFER TO 1.1.1.C IN THE PUBLIC WORKS UTILITY STANDARDS MANUAL FOR FURTHER DETAILS.
- 13. WHERE MULTIPLE AND BACKFLOW PREVENTION ASSEMBLIES ARE INSTALLED, A BELOW GRADE ISOLATION VALVE SHALL BE PROVIDED FOR EACH ASSEMBLY.

MANATEE COUNTY PUBLIC WORKS DEPARTMENT			2" AND ABOVE FIRE	
REV.BY	DATE		LINE DAUNFLUW	UW-15
		February 25, 2020	PREVENTION	
		DATE OF APPROVAL	ASSEMBLY	

