

LEGEND:

- ① FINISH GRADE.
- ② SERVICE SIZE GALVANIZED STEEL PIPE FROM WATER METER.
- ③ PRECAST CONCRETE BOX AND TRAFFIC LID WITH EXTENSIONS, AS NECESSARY (SEE TABLE B- STRAINER UNIT DIMENSIONS').
- ④ Y-STRAINER SIMILAR TO BAILEY NO. 100-A (SIZE AS SHOWN ON THE PLAN) WITH BLOW-OFF GATE VALVE, SPLIT-WEDGE TYPE, SIZED TO MATCH THE STRAINER BLOW-OFF OPENING AND INSTALLED AS SHOWN (FOR PARKS CONSTRUCTION ONLY).
- ⑤ REDUCED PRESSURE BACKFLOW PREVENTER. WILKINS 575RP FOR SIZES 3/4 " THROUGH 2" AND FOR SIZES 2 1/2 " THROUGH 4". UNIT SHALL BE SIZED AND INSTALLED AS SHOWN ON THE PLAN.
- ⑥ ADJUSTABLE PIPE SADDLE SUPPORT, GALVANIZED STEEL, SUITABLE FOR SUPPORTING GENERAL PIPING 3" AND LARGER, FROM FLOOR.
- ⑦ BACKFLOW PREVENTER ENCLOSURE MANUFACTURED BY LEMEUR. ENCLOSURE SHALL BE SINGLE- SWING TYPE FOR BACKFLOW UNIT SIZES 3/4 " THROUGH 2" AND DOUBLE- SWING ("CLAM SHELL") TYPE FOR SIZES 2 1/2 " THROUGH 4". FRAME SHALL BE 1 1/2 "x 1 1/2 "x 3/16 " STEEL ANGLE WITH 1 1/2 " #9 EXPANDED METAL, (SEE 'TABLE A - BACKFLOW UNIT DIMENSIONS' FOR SIZE REQUIREMENT) INSTALL AS SHOWN ON THE PLAN.
- ⑧ 6" CONCRETE ENCLOSURE PAD, SIZE AS SHOWN ON THE PLAN.
- ⑨ SERVICE SIZE GALV. STEEL PIPE RISER WITH A MINIMUM OF TWO (2) UNIONS FOR THREADED CONNECTIONS.
- ⑩ GALV. STEEL 90° ELL, FLANGED OR THREADED, SIZED AND INSTALLED AS SHOWN.
- ⑪ CONCRETE THRUST BLOCK (SEE PAGE W-7 OF THE STANDARD PLAN DETAILS FOR PUBLIC WORKS CONSTRUCTION).
- ⑫ SERVICE SIZE GALV. STEEL PIPE RISER WITH A MINIMUM OF TWO (2) UNIONS FOR THREADED CONNECTIONS.
- ⑬ PVC FEMALE ADAPTER.
- ⑭ MAIN PIPE, CLASS 315 PVC (SIZE AS SHOWN ON THE PLAN).
- ⑮ WATER METER BY OTHERS (SIZE AS SHOWN).
- ⑯ SHUT- OFF COCK BY OTHERS.
- ⑰ 3/4 " TO 1" SMOOTH DRAIN ROCKS, 6" DEPTH, MIN.
- ⑱ SIZE OF SHUT- OFF VALVE SHALL MATCH BLOW-OFF OPENING.
- ⑲ TWO COATS OF ENAMEL COLOR SPECIFIED BY THE ENGINEER.

NOTES:

- 1. GATE VALVES AND TEST COCKS ARE REQUIRED.
- 2. WATER SUPPLY- NO CONNECTIONS OR TEES WILL BE ALLOWED BETWEEN THE WATER METER AND BACKFLOW UNIT.
- 3. PROTECTION FROM FREEZE DAMAGE MAY BE REQUIRED IN EXPOSED AREAS.
- 4. DEVICE MUST BE ACCESSIBLE FOR TESTING AND MAINTENANCE.
- 5. WRAP BURIED GALVANIZED PIPE WITH 3M TAPE AS USED FOR GAS MAINS.

APPROVED BY 	BACKFLOW PREVENTER UNIT LEGEND & NOTES		DRAWING NO.
DATE 11/20/91			
DEPARTMENT OF PUBLIC WORKS			