

SPECIFICATIONS :
 CLASS 1 CONCRETE WITH DESIGN STRENGTH OF 4500 PSI AT 28 DAYS. UNIT IS OF MONOLITHIC CONSTRUCTION AT FLOOR AND FIRST STAGE OF WALL WITH SECTIONAL RISER TO REQUIRED DEPTH.

CONCRETE :
 REINFORCEMENT: GRADE 60 REINFORCED STEEL REBAR CONFORMING TO ASTM A615 ON REQUIRED CENTERS OR EQUAL.

HATCHWAY :
 1/4" ALUMINUM DIAMOND PLATE COVER, WITH 1/4" HATCHWAY: EXTRUDED ALUMINUM FRAME. HATCH TO BE FURNISHED WITH 316 STAINLESS STEEL SNAP LOCK & BRASS HINGES.

- GENERAL NOTES:**
1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF ARLINGTON STANDARD SPECIFICATIONS FOR WATER & SEWER CONSTRUCTION, LATEST EDITION.
 2. THE ASSEMBLY SHALL MEET THE REQUIREMENTS OF ASSE 1048 FOR DOUBLE-CHECK VALVES AND AWWA STANDARDS FOR BACK FLOW PREVENTION AND SHALL BE UL LISTED.
 3. PROOF OF PAYMENT OF IMPACT FEES MUST BE PROVIDED TO INSPECTIONS BEFORE CONSTRUCTION CAN START.
 4. ENTRY LADDER MUST BE INSTALLED IF ASSEMBLY IS NOT INSTALLED ON CENTER.
 5. ANY VARIATIONS FROM THIS DETAIL MUST BE APPROVED BY METER SERVICES AND ENGINEER.

- LOCATION:**
1. THE VAULT SHALL BE LOCATED ON THE OWNER'S PROPERTY AS CLOSE TO THE RIGHT-OF-WAY AS POSSIBLE, IN A LOCATION ACCESSIBLE TO CITY PERSONNEL FOR INSPECTION AND/OR READING OF THE METER.
 2. AT THE OWNER'S OPTION, SUBJECT TO CITY APPROVAL, THE DOUBLE-CHECK BACKFLOW PREVENTOR MAY BE INSTALLED INSIDE THE BUILDING. INSTALLATION OF A DETECTOR CHECK (METER) AT THE PROPERTY LINE MAY ALSO BE REQUIRED IF THE BACK FLOW PREVENTION ASSEMBLY IS INSTALLED INSIDE THE BUILDING.

- VAULT:**
1. THE VAULT SHALL BE PRE-CAST CONCRETE MEETING THE SPECIFICATIONS IDENTIFIED ON THIS DETAIL, MANUFACTURED BY NEW BASIS, OLD CASTLE PRECAST PRODUCTS, OR APPROVED EQUAL.
 2. THE VAULT SHALL BE PLACED ON 8-INCH CRUSHED LIMESTONE AND HAVE A 12-INCH BY 12-INCH SUMP DRAIN. THE BOTTOM OF THE VAULT SHALL BE GROUTED TO PROVIDE A SLOPE TO THE DRAIN.

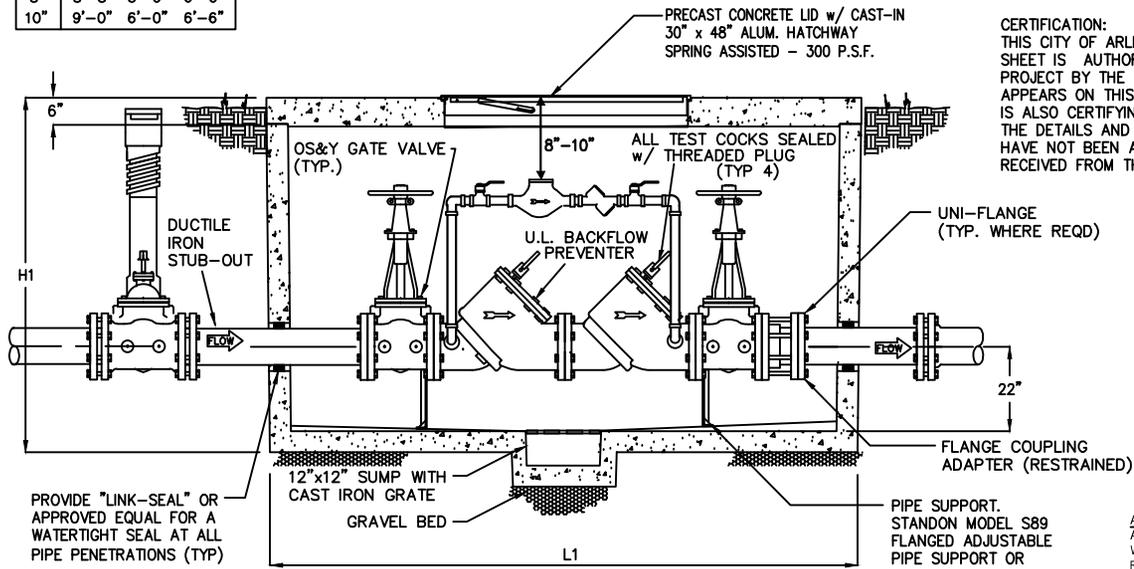
- PERMIT/INSPECTION:**
1. PERMITS SHOULD BE COORDINATED THROUGH THE ONE START DEVELOPMENT CENTER (817-459-6502).
 2. THE INITIAL INSTALLATION/INSPECTION OF THIS ASSEMBLY WILL BE THROUGH THE CITY OF ARLINGTON. INSPECTION OF THE ASSEMBLY WILL BE MADE BY WATER RESOURCES DIVISION AND MUST BE ACCEPTED PRIOR TO ISSUANCE OF C.O. ANNUAL INSPECTIONS/ TESTING OF THE BACKFLOW WILL BE THE RESPONSIBILITY OF THE PROPERTY OWNER.
 3. THE PIPELINE BETWEEN THE UPSTREAM GATE VALVE AND THE BUILDING SHALL BE INSPECTED BY THE FIRE DEPARTMENT.
 4. THE PUBLIC WATER LINE WILL BE INSPECTED BY THE DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION.

- INSTALLATION:**
1. THE DOUBLE-CHECK BACKFLOW PREVENTOR SHALL CONSIST OF ONE ASSEMBLY WHICH INCLUDES TWO INDEPENDENTLY OPERATING CHECK VALVES AND FOUR RESILIENT TEST COCKS FOR TESTING OF THE ASSEMBLY. THE ASSEMBLY SHALL ALSO INCLUDE TWO RESILIENT SEATED (OS&Y) GATE VALVES FOR SHUT OFF AND TEST COCKS. GATE VALVES SHALL BE AS MANUFACTURED BY MUELLER, CLOW OR APPROVED EQUAL. THE DOUBLE CHECK ASSEMBLY SHALL BE WATTS SERIES 709, AMES MODEL C200/C200N, FEBCO MODEL 850/870/870V OR APPROVED EQUAL.
 2. THE UNIT AND SHUTOFF VALVES SHALL BE UL/FM APPROVED.
 3. THE BYPASS (AUXILIARY) LINE SHALL CONSIST OF AN APPROVED BACK FLOW PREVENTION (COMPLETE WITH TEST COCKS) AND 5/8-INCH BY 3/4-INCH WATER METER (METER SUPPLIED AND INSTALLED BY CITY).
 4. THE BYPASS LINE BACK FLOW PREVENTION ASSEMBLY SHALL BE WATTS SERIES 007, AMES SERIES 200, FEBCO 850, OR APPROVED EQUAL.
 5. THE BYPASS METER WILL BE PROVIDED AND INSTALLED BY THE CITY. CONTACT 817-459-8803 TO SETUP AN ACCOUNT AND REQUEST A METER INSTALLATION.
 6. THE BACK FLOW PREVENTION SHALL HAVE AN EPOXY COATED DUCTILE IRON OR STAINLESS STEEL BODY WITH REPLACEMENT BRONZE SEAT AND/OR A UNITIZED STAINLESS STEEL AND PLASTIC CHECK ASSEMBLY.

- TESTING:**
1. THIS ASSEMBLY MUST BE TESTED IMMEDIATELY UPON INSTALLATION. COPIES OF THE TEST REPORTS MUST BE FORWARDED TO THE WATER RESOURCE SECTION OF THE ARLINGTON WATER UTILITIES DEPARTMENT. COPIES MUST BE PROVIDED TO INSPECTION BEFORE FINAL WILL BE RELEASED.
 2. UPON COMPLETION AND TESTING OF THE FIRE LINE/FIRE DEPARTMENT CONNECTION, THE OWNER SHALL BE REQUIRED TO SUBMIT AN ANNUAL TEST REPORT FROM A REPUTABLE TESTING COMPANY (CERTIFIED FIRELINE TESTERS) STATING THAT THE VALVES ARE IN GOOD WORKING CONDITION.

SIZE	L1	W1	H1
6"	7'-10"	4'-4"	6'-0"
8"	8'-8"	5'-0"	6'-0"
10"	9'-0"	6'-0"	6'-6"

PLAN VIEW
 NTS



CERTIFICATION:
 THIS CITY OF ARLINGTON STANDARD DETAIL SHEET IS AUTHORIZED FOR USE IN THIS PROJECT BY THE ENGINEER WHOSE SEAL APPEARS ON THIS SHEET. THIS ENGINEER IS ALSO CERTIFYING THAT THE CONTENT OF THE DETAILS AND NOTES ON THIS SHEET HAVE NOT BEEN ALTERED FROM THAT RECEIVED FROM THE CITY OF ARLINGTON.

ELEVATION
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FIGURE 15
6" THRU 10" DOUBLE DETECTOR BACKFLOW PREVENTER ASSEMBLY
ARLINGTON WATER UTILITIES