

PLAN VIEW
NTS

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"

NAMEPLATE INDICATING
MANUFACTURER, PHONE
NUMBER, MODEL NUMBER,
& DATE MANUFACTURED

RESTRAIN PIPE TO FIRST
FULL JOINT (SEE NOTE 8)

LOCKABLE
ALUMINUM HATCHWAY
W/ LOCKING ARM

DETECTOR ASSEMBLY TO BE FIELD RETROFITTED
BY OWNER WITH ADVANCED METER
INFRASTRUCTURE EQUIPMENT (SEE NOTE 10).
METER PROVIDED BY OWNER OR PURCHASED
THROUGH COA.
ACCEPTABLE METER: SENSUS SRI I METER
SENSUS SMARTPOINT 520M PIT SET MODULE

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF ARLINGTON (COA) STANDARD SPECIFICATIONS FOR WATER & SEWER CONSTRUCTION LATEST EDITION.
2. THE BACKFLOW PREVENTION ASSEMBLY (BPA) SHALL MEET THE REQUIREMENTS OF ASSE 1048, DOUBLE CHECK DETECTOR ASSEMBLY (DCCA); IN A SIZE TO MATCH THAT OF THE REQUIRED METER AND/OR SERVICE PIPING, AND SHALL CONFORM TO ALL CURRENT REQUIREMENTS OF THE UNIVERSITY OF SOUTHERN CALIFORNIA, FOUNDATION FOR CROSS-CONNECTION CONTROL & HYDRAULIC RESEARCH (USC-FCCCHR).
3. ANY VARIATIONS FROM THIS DETAIL MUST BE APPROVED BY ARLINGTON WATER UTILITIES.

LOCATION:

4. THE VAULT SHALL BE LOCATED ON THE OWNER'S PROPERTY IN ACCORDANCE WITH DETAIL BF-J IN A LOCATION ACCESSIBLE TO CITY PERSONNEL DURING NORMAL WORKING HOURS FOR INSPECTION OF THE ASSEMBLY AND READING OF THE METER.
5. THERE SHALL BE NO TAPS, PIPE BRANCHES, UNAPPROVED BYPASS PIPING, HYDRANTS, FIRE DEPARTMENT CONNECTION POINTS, OR OTHER WATER-USING APPURTENANCES TO THE SUPPLY LINE BETWEEN ANY WATER METER AND IT'S COA REQUIRED BPA.

INSTALLATION:

6. VAULT SHALL BE CLASS 1 CONCRETE WITH DESIGN STRENGTH AT 4500 PSI AT 28 DAYS. UNIT IS MONOLITHIC CONSTRUCTION AT FLOOR AND FIRST STAGE OF WALL WITH SECTIONAL RISER TO REQUIRED DEPTH. STEEL REINFORCEMENT SHALL BE GRADE 60 REINFORCED STEEL REBAR CONFORMING TO ASTM A615 ON REQUIRED CENTERS OR EQUAL. HATCHWAY SHALL BE 3/4" ALUMINUM DIAMOND PLATE COVER WITH 3/4" HATCHWAY. EXTRUDED ALUMINUM HATCH TO BE FURNISHED WITH 316 STAINLESS STEEL SNAP LOCK AND BRASS HINGES. IPE MATERIAL AND FITTINGS SHALL BE AS SPECIFIED IN COA STANDARDS AND SPECIFICATIONS.

7. ISOLATION VALVES ARE SPECIFIC TO EACH APPROVED BPA AND NO SUBSTITUTION OF ISOLATION VALVES ARE PERMITTED. A PUBLIC ISOLATION VALVE IS REQUIRED IN ADDITION TO THE DCCA ISOLATION VALVES. SEE DETAIL BF-J FOR LOCATION DETAILS.

8. ALL JOINTS SHALL BE RESTRAINED WITH MEGALUG RESTRAINTS OR APPROVED EQUAL.

9. SUPPORT FOR ASSEMBLY SHALL BE DESIGNED BY OWNER SUCH THAT ASSEMBLY WEIGHT DOES NOT DESTABILIZE STRUCTURAL INTEGRITY.

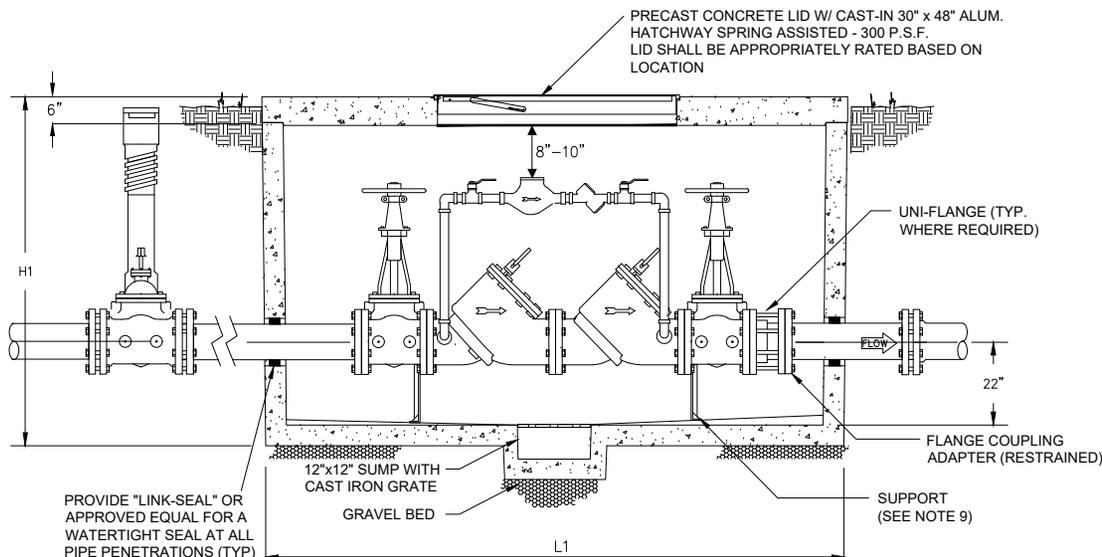
10. DETECTOR ASSEMBLY SHALL BE FIELD-RETROFITTED BY PROPERTY OWNER WITH ADVANCED METER INFRASTRUCTURE (AMI) EQUIPMENT PROVIDED BY ARLINGTON WATER UTILITIES INCLUDING METER AND/OR ANTENNA. ALL METERS INSIDE THE FACILITY SHALL BE INSTALLED BY THE PROPERTY OWNER. IT IS THE PROPERTY OWNER'S RESPONSIBILITY TO MAKE EXTERNAL ANTENNAS AVAILABLE FOR THE METERS WHEN IT IS PLACED INSIDE THE BUILDING. ANY FUTURE REQUIRED MAINTENANCE OR PLACEMENT OF THE METER AND/OR ANTENNA SHALL BE DONE BY THE PROPERTY OWNER. ALL AMI CALIBRATION SHALL BE PERFORMED BY THE ARLINGTON WATER UTILITY.

TESTING:

11. EACH COA-REQUIRED BACKFLOW PREVENTER MUST BE TESTED BY A COA-APPROVED CERTIFIED TESTER PRIOR TO PLACING THE WATER SYSTEM IN SERVICE.
12. ALL BFP ASSEMBLIES SHALL BE TESTED AT TIME OF INSTALLATION. A COPY OF ALL TEST AND MAINTENANCE REPORTS MUST BE SUBMITTED TO: backflowtestforms@arlingtontx.gov.

MAINTENANCE:

13. MAINTENANCE AND UPKEEP OF ALL BACKFLOW PREVENTION EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER.



ELEVATION
NTS

	CITY OF ARLINGTON, TEXAS
	BF-A DOUBLE CHECK DETECTOR ASSEMBLY (6"-10")
	FIRE LINE DCCA INGROUND
DATE: 01/09/2018	