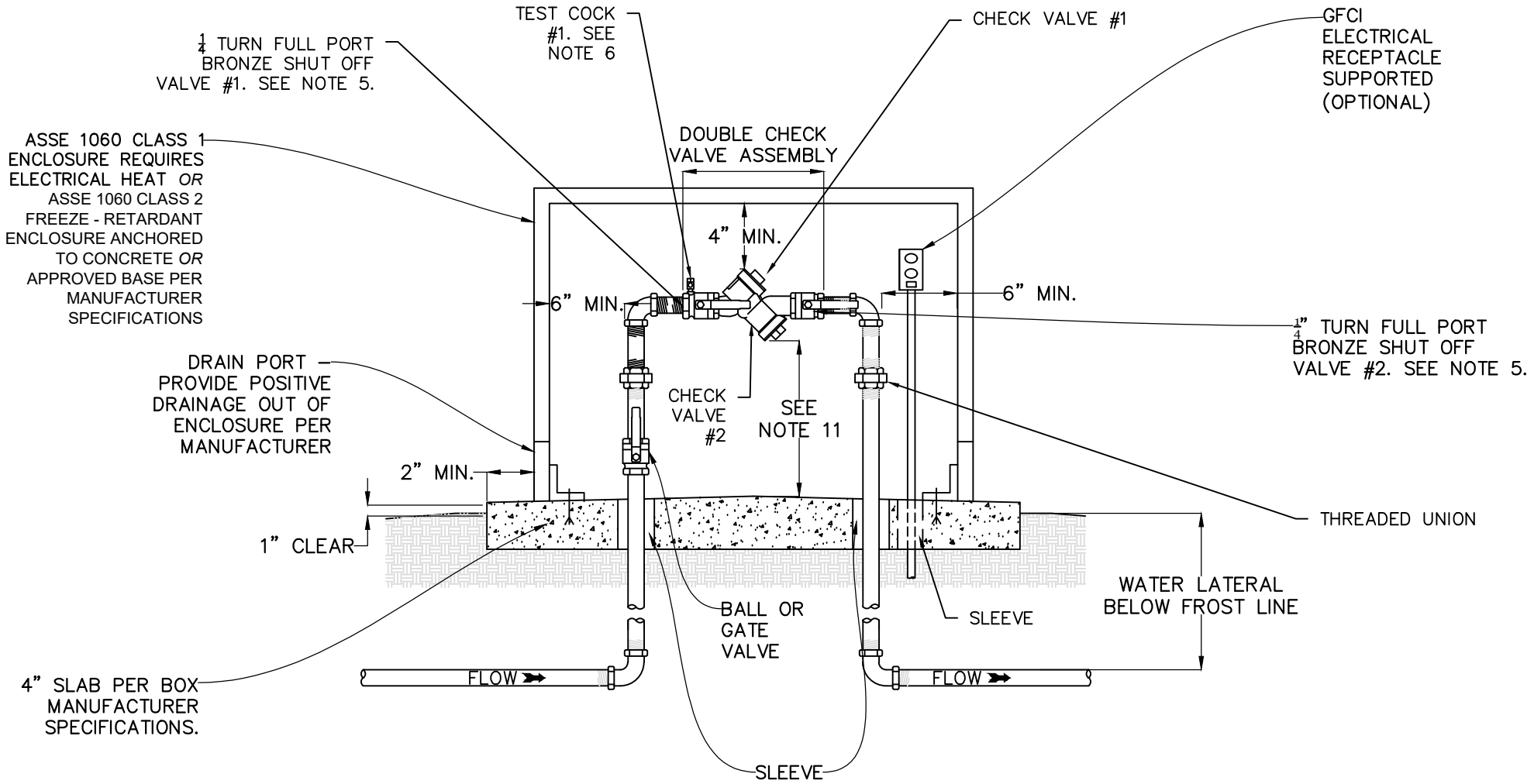


NOT TO SCALE

3/4" - 2" DOUBLE CHECK VALVE ASSEMBLY (DCVA)

REV.	STD. NO.
1	6201

CITY OF LEXINGTON
INFRASTRUCTURE
DEVELOPMENT STANDARDS

NOTES:

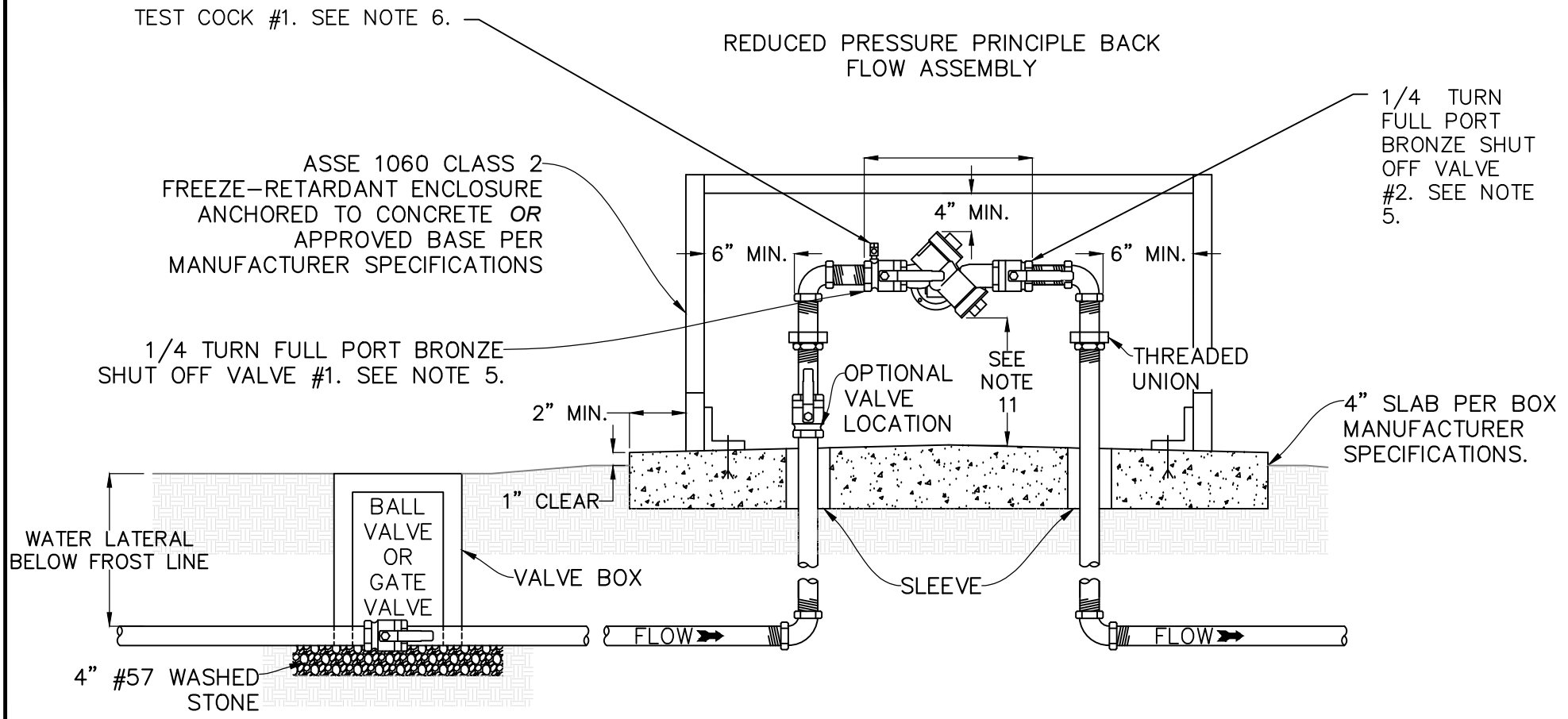
1. DOUBLE CHECK BACKFLOW PREVENTION ASSEMBLY SHALL COMPLY WITH ASSE 1015 & AWWA C510.
2. BACKFLOW PREVENTION ASSEMBLY SHALL BE CENTERED ON CONCRETE OR APPROVED BASE PER MANUFACTURER SPECIFICATION.
3. ASSE 1060 CLASS 2 FREEZE–RETARDANT ENCLOSURE – ELECTRICAL HEAT NOT REQUIRED.
4. 120V GFCI ELECTRICAL RECEPTACLE REQUIRED TO BE INSTALLED IN ACCORDANCE WITH THE NC ELECTRICAL CODE FOR OUTDOOR OPERATION WITH ASSE 1060 CLASS 1 ENCLOSURE.
5. THE CITY OF LEXINGTON APPROVED $\frac{3}{4}$" – 2" DCVA INCLUDES VALVES #1 AND #2 AS PART OF THE ASSEMBLY. NO SUBSTITUTIONS SHALL BE ALLOWED.
6. TEST COCK #1 SHALL BE UPSTREAM OF SHUT OFF VALVE #1 AND IS PART OF THE APPROVED ASSEMBLY.
7. THE CITY OF LEXINGTON APPROVED MODELS ARE: WILKINS, WATTS AND FEBCO. ALL OTHER PROPOSED MODELS SHALL BE REVIEWED BY THE LEXINGTON BACKFLOW PREVENTION PROGRAM ORC TO DETERMINE IF THE UNIT IS APPROVED EQUAL. ALLOW A MINIMUM OF 30 DAYS FROM DOCUMENT SUBMITTAL TO DETERMINATION.
8. PROPERTY OWNER SHALL BE RESPONSIBLE FOR MAINTENANCE, OPERATION AND TESTING OF BACKFLOW ASSEMBLY AND COMPLIANCE WITH REPORTING AND TESTING REQUIREMENTS. ALL ASSEMBLIES MUST PASS TESTING BY A NC CERTIFIED TESTER AFTER INSTALLATION, AND EVERY YEAR THEREAFTER.
9. ALL BACKFLOW PREVENTERS SHALL MEET CURRENT UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS–CONNECTION AND HYDRAULIC RESEARCH REQUIREMENTS.
10. ALL BACKFLOW PREVENTION ASSEMBLIES & ASSOCIATED WATER SERVICE MATERIALS SHALL COMPLY WITH NC PLUMBING CODE AND BE NSF/ANSI 61 "NO LEAD" CERTIFIED (APPROVED FOR DRINKING WATER USE).
11. THERE SHALL BE A 12" MINIMUM DISTANCE BETWEEN THE LOWEST POINT OF THE DCVA TO THE SLAB.

NOT TO SCALE

REV.	STD. NO.
1	6201B

$\frac{3}{4}$" - 2" DOUBLE CHECK VALVE ASSEMBLY (DCVA) NOTES

CITY OF LEXINGTON
INFRASTRUCTURE
DEVELOPMENT STANDARDS



NOT TO SCALE

REV.	STD. NO.
1	6202A

3/4" TO 2" REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY (RP)

CITY OF LEXINGTON
INFRASTRUCTURE
DEVELOPMENT STANDARDS

NOTES:

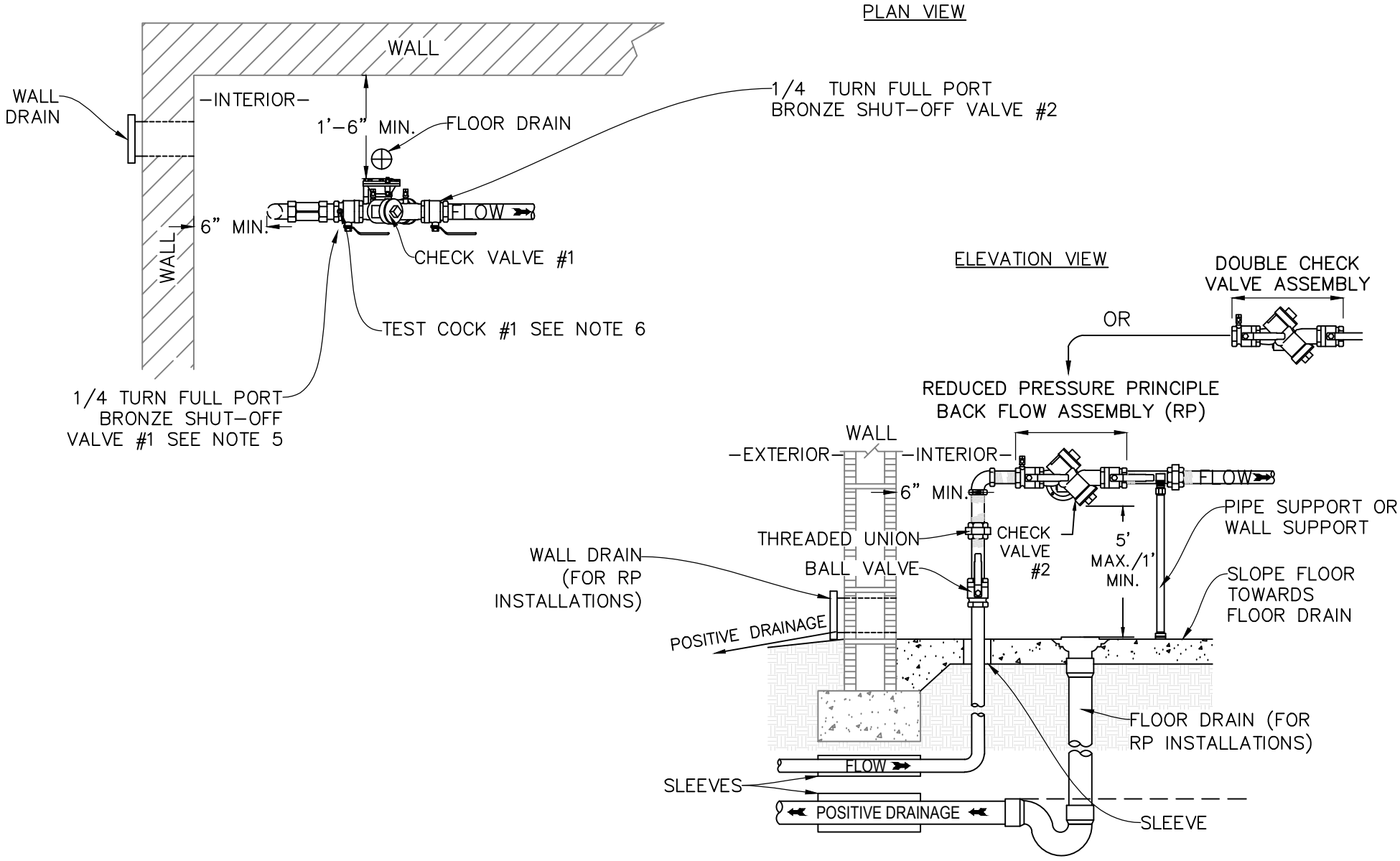
1. REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY SHALL COMPLY WITH ASSE 1013 & AWWA C511.
2. BACKFLOW PREVENTION ASSEMBLY SHALL BE INSTALLED ON PRIVATE SIDE OF CITY METER BEFORE WATER SERVICE LINE IS CONNECTED TO ANY OTHER PIPES, FITTINGS, YARD HYDRANTS, ETC.
3. BACKFLOW ASSEMBLY SHALL BE CENTERED ON CONCRETE OR APPROVED BASE PER MANUFACTURER SPECIFICATION.
4. ASSE 1060 FREEZE–RETARDANT ENCLOSURE WITH DRAIN PORT REQUIRED.
5. THE CITY OF LEXINGTON APPROVED 3/4" – 2" RP INCLUDES VALVES #1 AND #2 AS PART OF THE ASSEMBLY. NO SUBSTITUTIONS SHALL BE ALLOWED.
6. TEST COCK #1 SHALL BE UPSTREAM OF SHUT OFF VALVE #1 AND IS PART OF THE APPROVED ASSEMBLY.
7. CITY OF LEXINGTON APPROVED MODELS ARE WILKINS, WATTS, AND FEBCO. ALL OTHER PROPOSED MODELS SHALL BE REVIEWED BY THE CITY OF LEXINGTON BACKFLOW PREVENTION PROGRAM ORC TO DETERMINE IF THE UNIT IS APPROVED EQUAL. ALLOW A MINIMUM OF 30 DAYS FROM DOCUMENT SUBMITTAL TO DETERMINATION.
8. PROPERTY OWNER SHALL BE RESPONSIBLE FOR MAINTENANCE, OPERATION AND TESTING OF BACKFLOW PREVENTION ASSEMBLY AND COMPLIANCE WITH CITY OF LEXINGTON REPORTING AND TESTING REQUIREMENTS. ALL ASSEMBLIES MUST PASS TESTING BY A NC CERTIFIED TESTER AFTER INSTALLATION, AND EVERY YEAR THEREAFTER.
9. ALL BACKFLOW PREVENTERS SHALL MEET CURRENT UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS–CONNECTION AND HYDRAULIC RESEARCH REQUIREMENTS.
10. ALL BACKFLOWS SHALL COMPLY WITH NC PLUMBING CODE AND BE NSF/ANSI 61 "NO LEAD" CERTIFIED (APPROVED FOR DRINKING WATER USE).
11. THERE SHALL BE A 12" MINIMUM DISTANCE BETWEEN THE LOWEST POINT OF THE SLAB.

NOT TO SCALE

REV.	STD. NO.
1	6202B

3/4" TO 2" REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY (RP) NOTES

CITY OF LEXINGTON
INFRASTRUCTURE
DEVELOPMENT STANDARDS



3/4" - 2" BACKFLOW PREVENTION ASSEMBLY (BPA) INDOOR

REV.	STD. NO.
1	6203A

CITY OF LEXINGTON
INFRASTRUCTURE
DEVELOPMENT STANDARDS

NOTES:

1. REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY SHALL COMPLY WITH ASSE 1013 & AWWA C511.

2. DOUBLE CHECK BACKFLOW PREVENTION ASSEMBLY SHALL COMPLY WITH ASSE 1015 & AWWA C510.

3. BACKFLOW PREVENTION ASSEMBLY SHALL MAINTAIN MINIMUM CLEARANCES FROM WALLS AND FLOOR AS SPECIFIED.

4. CITY OF LEXINGTON APPROVED MODELS ARE WILKINS, WATTS, AND FEBCO. ALL OTHER PROPOSED MODELS SHALL BE REVIEWED BY THE CITY OF LEXINGTON BACKFLOW PREVENTION PROGRAM ORC TO DETERMINE IF THE UNIT IS APPROVED EQUAL. ALLOW A MINIMUM OF 30 DAYS FROM DOCUMENT SUBMITTAL TO DETERMINATION.

5. THE CITY OF LEXINGTON APPROVED 3/4" – 2" BPA INCLUDES VALVES #1 AND #2 AS PART OF THE ASSEMBLY. NO SUBSTITUTIONS SHALL BE ALLOWED.

6. TEST COCK #1 SHALL BE UPSTREAM OF SHUT OFF VALVE #1 AND IS PART OF THE APPROVED ASSEMBLY.

7. PROPERTY OWNER SHALL BE RESPONSIBLE FOR MAINTENANCE, OPERATION AND TESTING OF BACKFLOW ASSEMBLY AND COMPLIANCE WITH REPORTING AND TESTING REQUIREMENTS. ALL ASSEMBLIES MUST PASS TESTING BY A NC CERTIFIED TESTER AFTER INSTALLATION, AND EVERY YEAR THEREAFTER.

9. ALL BACKFLOW PREVENTERS SHALL MEET CURRENT UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS–CONNECTION AND HYDRAULIC RESEARCH REQUIREMENTS.

10. ALL DRAINS SHALL BE SIZED TO MEET MAX CAPACITY RELEASE FROM A REDUCED PRESSURE BACKFLOW ASSEMBLY. OWNER MAY INSTALL WALL DRAIN(S) AND/OR FLOOR DRAIN(S) AS NECESSARY.

11. ALL BACKFLOW PREVENTION ASSEMBLIES & ASSOCIATED WATER SERVICE MATERIALS SHALL COMPLY WITH NC BUILDING CODE AND BE NSF/ANSI "NO LEAD" CERTIFIED (APPROVED FOR DRINKING WATER USE).

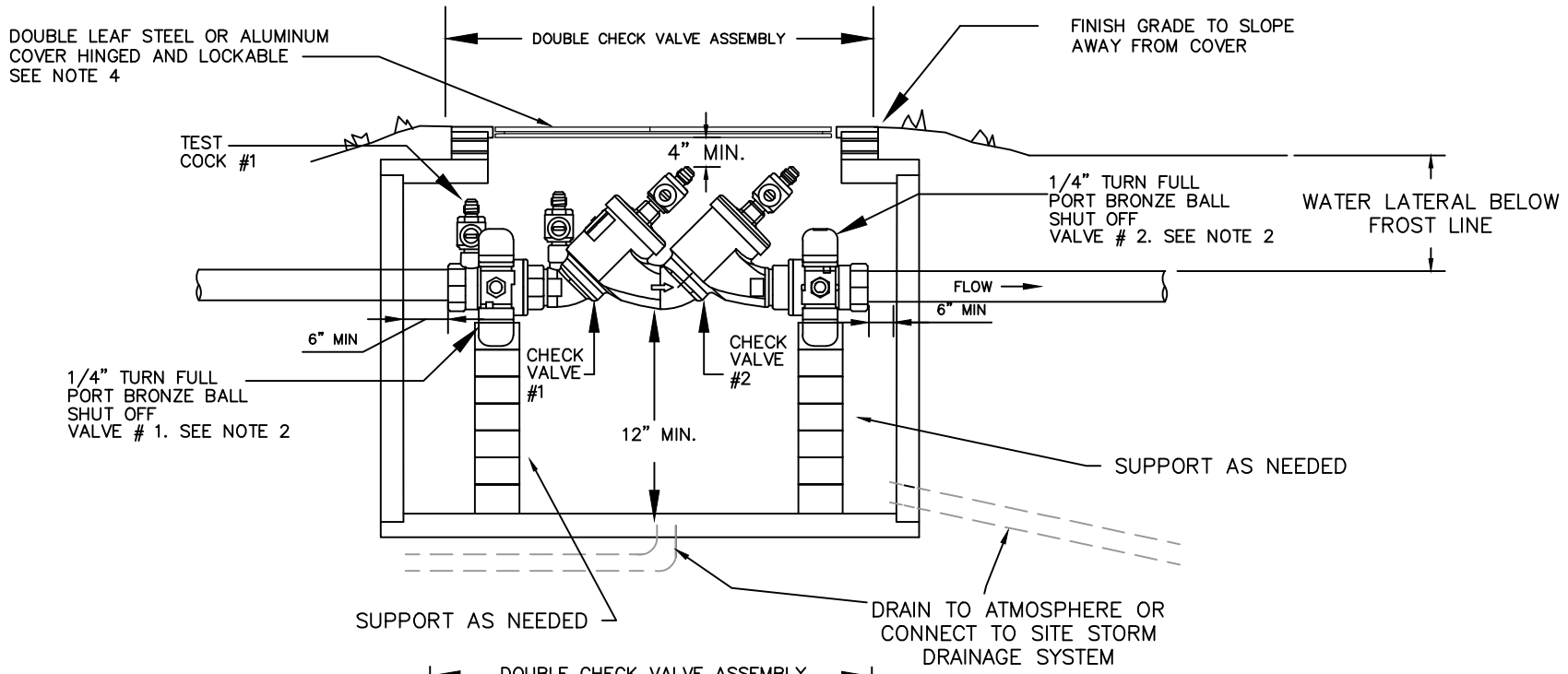
NOT TO SCALE

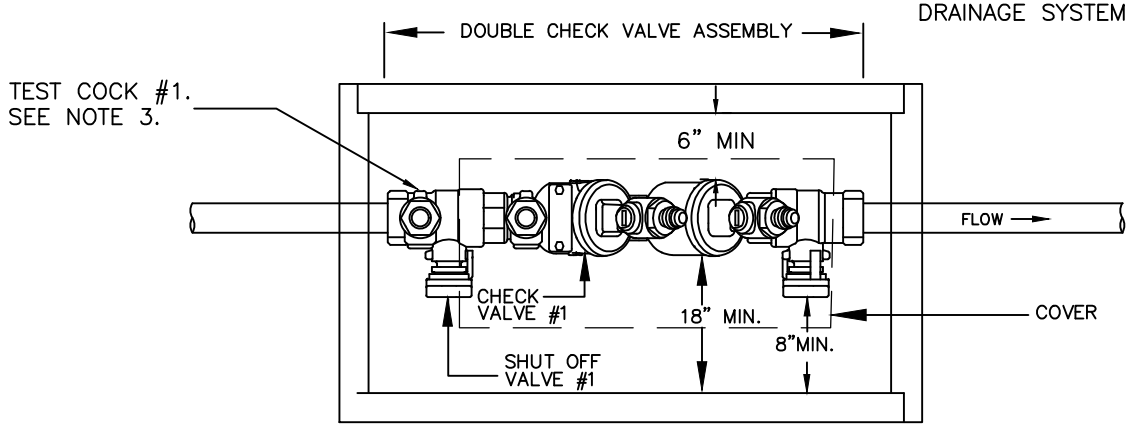
REV.	STD. NO.
1	6203B

3/4" - 2" BACKFLOW PREVENTION ASSEMBLY (BPA) INDOOR NOTES

CITY OF LEXINGTON
INFRASTRUCTURE
DEVELOPMENT STANDARDS

ELEVATION
N.T.S.





PLAN
N.T.S.

NOT TO SCALE

1.5" TO 2" DOUBLE CHECK VALVE ASSEMBLY (DCVA) IN VAULT

REV.	STD. NO.
1	6204A

CITY OF LEXINGTON
INFRASTRUCTURE
DEVELOPMENT STANDARDS

NOTES:

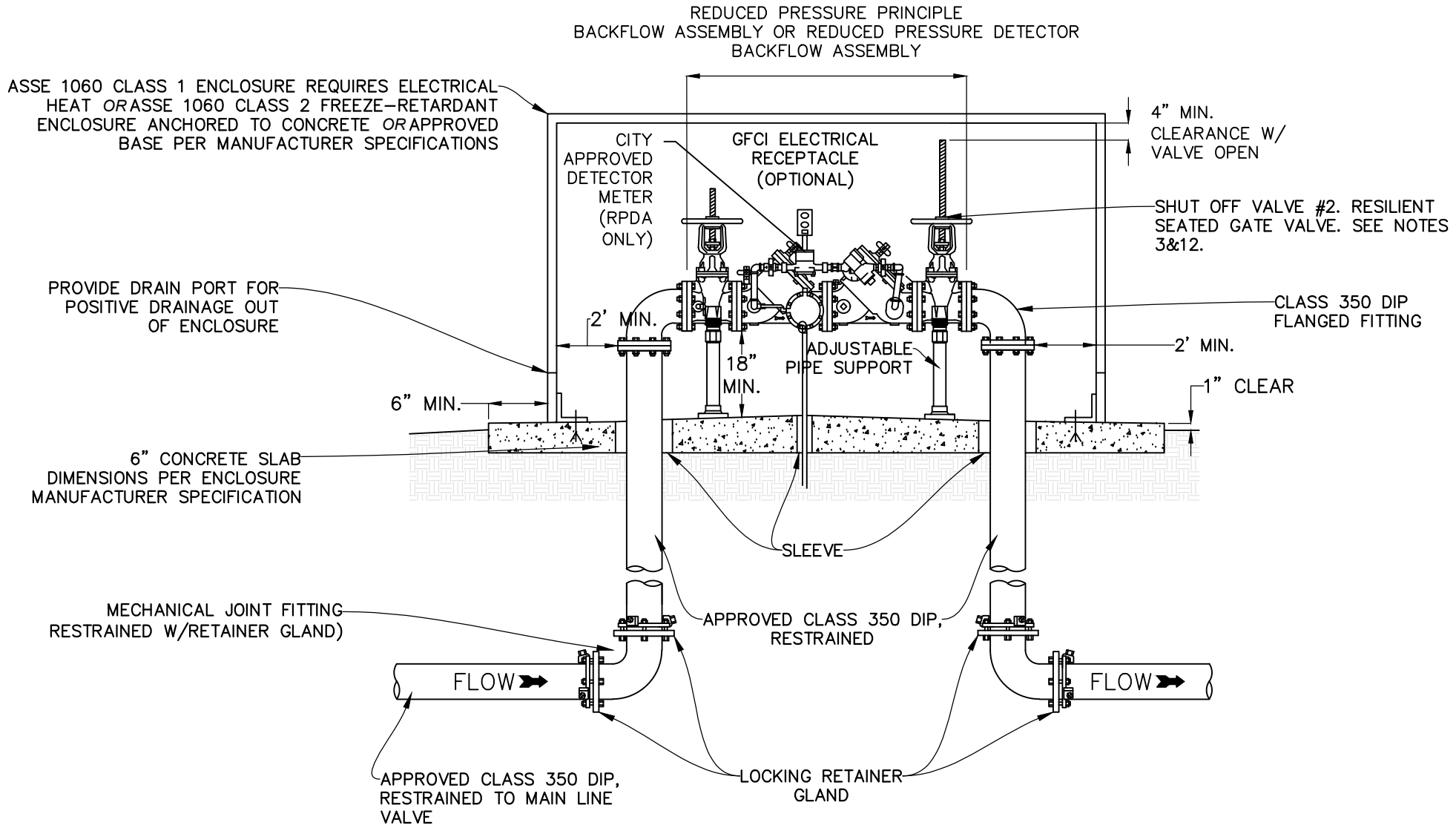
1. DOUBLE CHECK VALVE BACKFLOW PREVENTION ASSEMBLY SHALL COMPLY WITH ASSE 1015 & AWWA C510.
2. THE CITY OF LEXINGTON APPROVED 1.5" – 2" DCVA INCLUDES VALVES #1 & #2 AS PART OF THE ASSEMBLY. NO SUBSTITUTIONS SHALL BE ALLOWED.
3. TEST COCK #1 SHALL BE UPSTREAM OF SHUT OFF VALVE #1 AND IS PART OF THE APPROVED ASSEMBLY.
4. WATER–TIGHT VAULT, DOORS OR COVERS AND SUPPORT ASSEMBLY SHALL BE DESIGNED BY OWNER AS REQUIRED. VAULT DOORS MUST FLUSH MOUNT AND ACCOMMODATE BACKFLOW ASSEMBLY REMOVAL AND VALVE ACCESS. VAULTS INSTALLED IN OR NEAR PAVEMENT REQUIRE TRAFFIC BEARING VAULT & COVER.
5. DCVA SHALL BE SUPPORTED WITH ADEQUATE SUPPORT PEDESTALS AS NEEDED.
6. VAULT MUST DRAIN BY GRAVITY TO ATMOSPHERE OR CONNECT TO DOWNSTREAM (PRIVATE) STORM DRAINAGE SYSTEM. IF DRAINAGE CANNOT BE PROVIDED TO FREE ATMOSPHERE OR STORM DRAINAGE, THE DCVA'S SHALL BE INSTALLED ABOVE GROUND.
7. CITY OF LEXINGTON APPROVED MODELS ARE WILKINS, WATTS, AND FEBCO. ALL OTHER PROPOSED MODELS SHALL BE REVIEWED BY THE CITY OF LEXINGTON BACKFLOW PREVENTION PROGRAM ORC TO DETERMINE IF UNIT IS APPROVED EQUAL. ALLOW A MINIMUM OF 30 DAYS FROM DOCUMENT SUBMITTAL TO DETERMINATION.
8. ALL BACKFLOW PREVENTERS SHALL MEET CURRENT UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS–CONNECTION CONTROL & HYDRAULIC RESEARCH REQUIREMENTS.
9. BACKFLOW PREVENTION ASSEMBLIES & ASSOCIATED WATER SERVICE MATERIALS SHALL COMPLY WITH NC PLUMBING CODE AND BE NSF/ANSI "NO LEAD" CERTIFIED (APPROVED FOR DRINKING WATER USE).
10. PROPERTY OWNER SHALL BE RESPONSIBLE FOR MAINTENANCE, OPERATION AND TESTING OF ASSEMBLY AND COMPLIANCE WITH CITY REPORTING & TESTING REQUIREMENTS. ALL ASSEMBLIES MUST PASS TESTING BY A NC CERTIFIED TESTER AFTER INSTALLATION AND EACH YEAR THEREAFTER.

NOT TO SCALE

REV.	STD. NO.
1	6204B

1.5" TO 2" DOUBLE CHECK VALVE ASSEMBLY (DCVA) IN VAULT NOTES

CITY OF LEXINGTON
INFRASTRUCTURE
DEVELOPMENT STANDARDS



NOT TO SCALE

3" - 10" REDUCED PRESSURE PRINCIPLE BFP ASSEMBLY (RP) AND REDUCED PRESSURE DETECTOR ASSEMBLY (RPDA)

REV.	STD. NO.
1	6205A

CITY OF LEXINGTON
INFRASTRUCTURE
DEVELOPMENT STANDARDS

NOTES:

1. REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY SHALL COMPLY WITH ASSE 1013 & AWWA C511.

2. REDUCED PRESSURE DETECTOR BACKFLOW PREVENTION ASSEMBLY SHALL COMPLY WITH ASSE 1047.

3. THE CITY OF LEXINGTON APPROVED 3"–10" RP/RPDA INCLUDES VALVES #1 AND #2 AS PART OF THE ASSEMBLY. NO SUBSTITUTIONS SHALL BE ALLOWED.

4. TEST COCK #1 SHALL BE UPSTREAM OF SHUT OFF VALVE #1 AND IS PART OF THE APPROVED ASSEMBLY.

5. BACKFLOW ASSEMBLY SHALL BE CENTERED ON CONCRETE PAD AND CENTERED WITHIN ENCLOSURE OR BASED ON MANUFACTURER SPECIFICATION.

6. ASSE 1060 CLASS 2 FREEZE–RETARDANT ENCLOSURE REQUIRED.

7. STANDARD 120V GFCI ELECTRICAL RECEPTACLE TO BE INSTALLED IN ACCORDANCE WITH THE NC ELECTRICAL CODE FOR OUTDOOR OPERATION.

8. PIPE MATERIAL SHALL BE CLASS 350 DIP AWWA C150 AND C151.

9. INSTALLATION SHALL BE IN COMPLIANCE WITH ALL APPLICABLE CITY ORDINANCES, SPECIFICATIONS, UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS – CONNECTION CONTROL AND HYDRAULIC RESEARCH AND THE NC PLUMBING CODE.

10. PROPERTY OWNER SHALL BE RESPONSIBLE FOR MAINTENANCE, OPERATION AND TESTING OF BACKFLOW PREVENTION ASSEMBLY AND COMPLIANCE WITH REPORTING AND TESTING REQUIREMENTS. ALL ASSEMBLIES MUST PASS TESTING BY A NC CERTIFIED TESTER AFTER INSTALLATION, AND EVERY YEAR THEREAFTER.

11. ALL BACKFLOW PREVENTION ASSEMBLIES & ASSOCIATED WATER SERVICE MATERIALS SHALL BE NSF/ANSI 61 "NO LEAD" CERTIFIED (APPROVED FOR DRINKING WATER USE.)

12. FIRE LINES AND COMBINATION OF FIRE & DOMESTIC SERVICES SHALL HAVE OUTSIDE STEM & YOKE (OS&Y) HANDWHEEL OPERATORS. STRAINERS SHALL NOT BE ALLOWED ON FIRE LINE RP/RPDA.

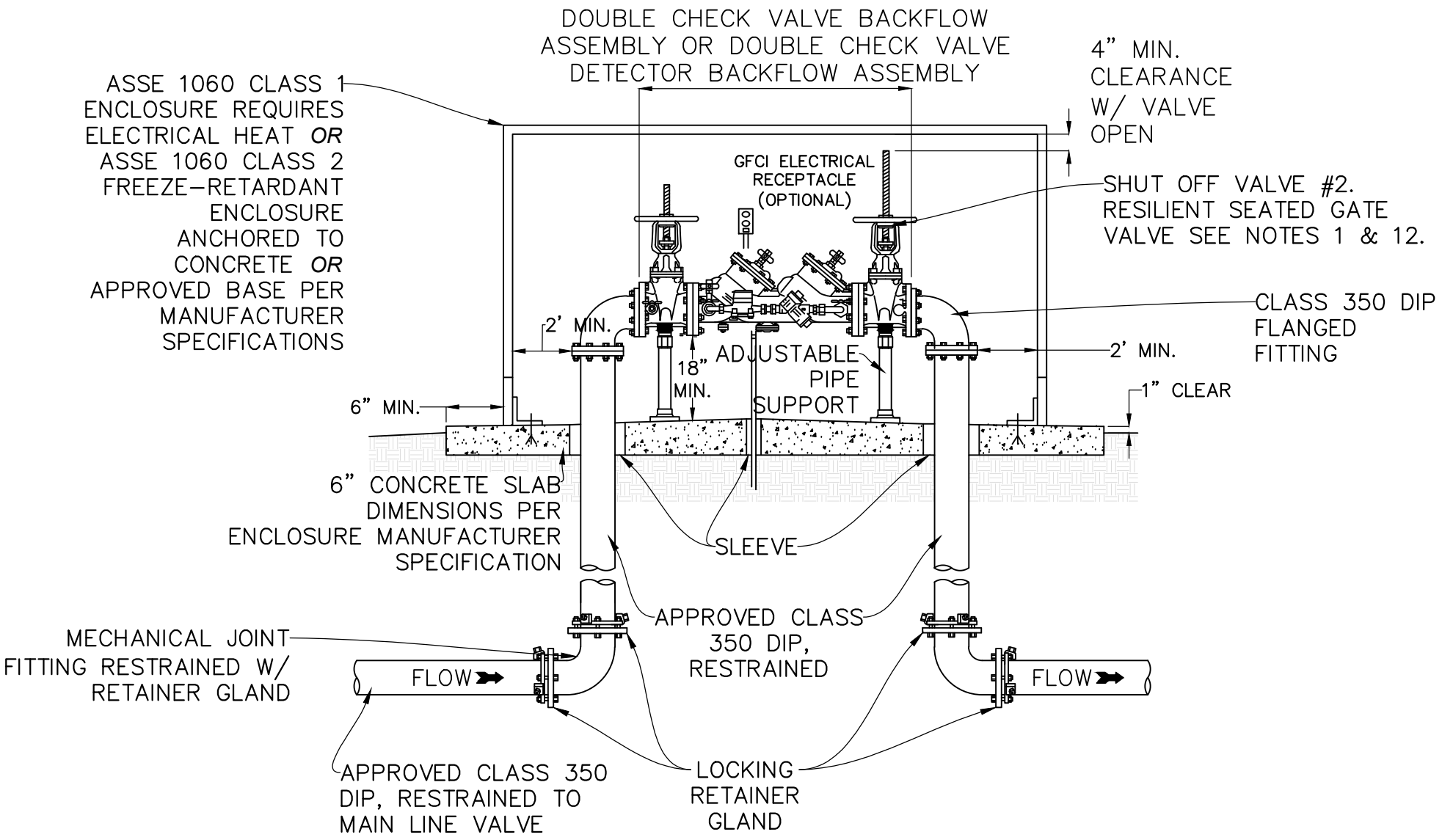
13. ALL ABOVE GROUND PIPE & FITTINGS, INCLUDING RP OR RPDA, SHALL BE FLANGED. ALL BELOW GROUND FITTINGS SHALL BE MECHANICAL JOINT WITH APPROVED RETAINER GLANDS.

NOT TO SCALE

REV.	STD. NO.
1	6205B

3" - 10" REDUCED PRESSURE PRINCIPLE BFP ASSEMBLY (RP) AND REDUCED PRESSURE DETECTOR ASSEMBLY (RPDA) NOTES

CITY OF LEXINGTON
INFRASTRUCTURE
DEVELOPMENT STANDARDS



NOT TO SCALE

3" - 10" DOUBLE CHECK VALVE BFP ASSEMBLY (DCVA) OR DOUBLE CHECK DETECTOR BFP ASSEMBLY (DCDA)

REV.	STD. NO.
1	6206A

CITY OF LEXINGTON
INFRASTRUCTURE
DEVELOPMENT STANDARDS

NOTES:

1. THE CITY OF LEXINGTON APPROVED 3" – 10" DCVA/DCDA INCLUDES VALVES #1 AND #2 AS PART OF THE ASSEMBLY. NO SUBSTITUTIONS SHALL BE ALLOWED.

2. TEST COCK #1 SHALL BE UPSTREAM OF SHUT OFF VALVE #1 AND IS PART OF THE APPROVED ASSEMBLY.

3. DOUBLE CHECK VALVE BACKFLOW PREVENTION ASSEMBLY SHALL COMPLY WITH ASSE 1015 & AWWA C510.

4. DOUBLE CHECK DETECTOR BACKFLOW PREVENTION ASSEMBLY SHALL COMPLY WITH ASSE 1048.

5. BACKFLOW ASSEMBLY SHALL BE CENTERED ON CONCRETE PAD AND CENTERED WITHIN ENCLOSURE OR BASED ON MANUFACTURER SPECIFICATION.

6. ASSE 1060 CLASS 2 FREEZE–RETARDANT ENCLOSURE REQUIRED.

7. STANDARD 120V GFCI ELECTRICAL RECEPTACLE TO BE INSTALLED IN ACCORDANCE WITH THE NC ELECTRICAL CODE FOR OUTDOOR OPERATION.

8. PIPE MATERIAL SHALL BE CLASS 350 DIP AWWA C150 AND C151.

9. INSTALLATION SHALL BE IN COMPLIANCE WITH ALL APPLICABLE CITY ORDINANCES, SPECIFICATIONS, UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS – CONNECTION CONTROL AND HYDRAULIC RESEARCH AND THE NC PLUMBING CODE.

10. PROPERTY OWNER SHALL BE RESPONSIBLE FOR MAINTENANCE, OPERATION AND TESTING OF BACKFLOW PREVENTION ASSEMBLY AND COMPLIANCE WITH REPORTING AND TESTING REQUIREMENTS. ALL ASSEMBLIES MUST PASS TESTING BY A NC CERTIFIED TESTER AFTER INSTALLATION, AND EVERY YEAR THEREAFTER.

11. ALL BACKLOW PREVENTION ASSEMBLIES & ASSOCIATED WATER SERVICE MATERIALS SHALL BE NSF/ANSI 61 "NO LEAD" CERTIFIED (APPROVED FOR DRINKING WATER USE).

12. FIRE LINES AND COMBINATION OF FIRE & DOMESTIC SERVICES SHALL HAVE OUTSIDE STEM & YOKE (OS&Y) HANDWHEEL OPERATORS. STRAINERS SHALL NOT BE ALLOWED ON FIRE LINE DCVA/DCDA.

13. ALL ABOVE GROUND PIPE & FITTINGS, INCLUDING DCVA OR DCDA, SHALL BE FLANGED DIP. ALL BELOW GROUND FITTINGS SHALL BE MECHANICAL JOINT DIP WITH APPROVED RETAINER GLANDS.

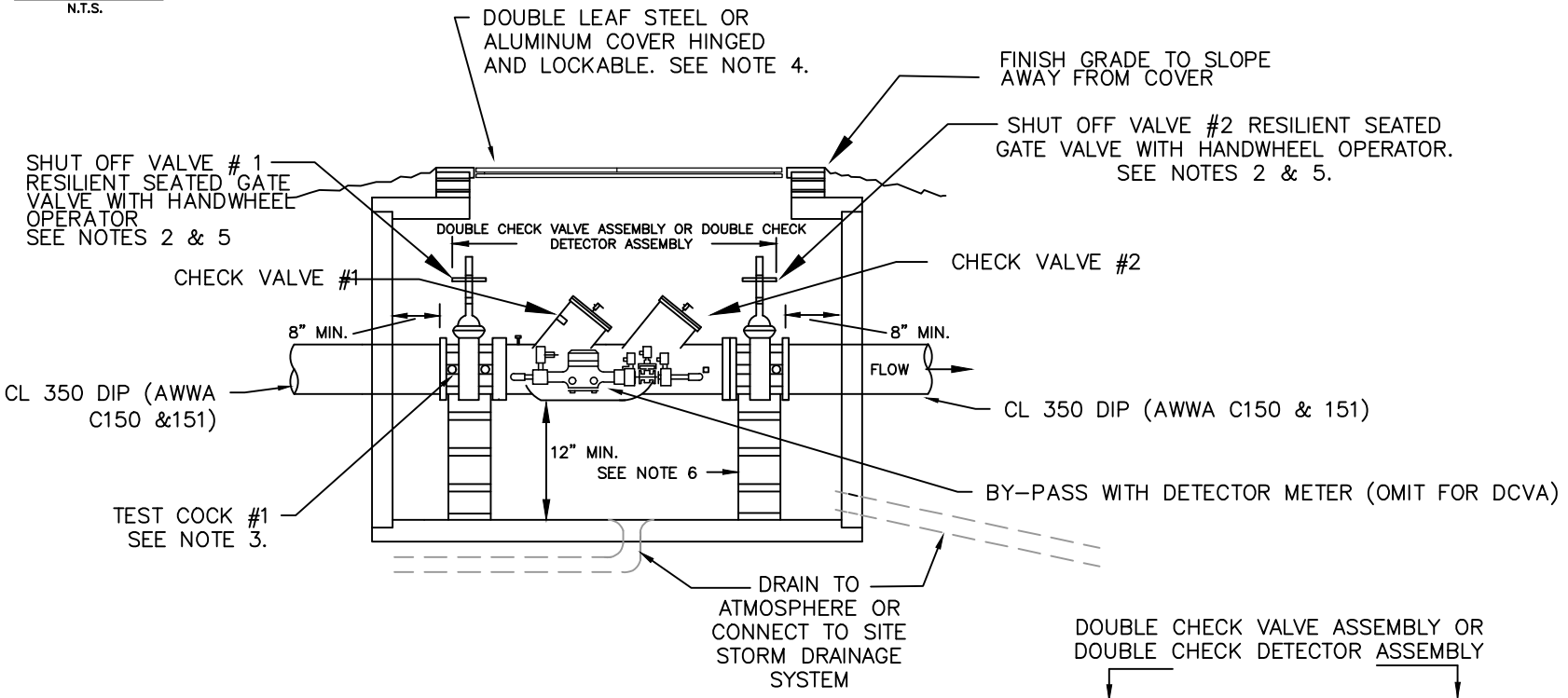
NOT TO SCALE

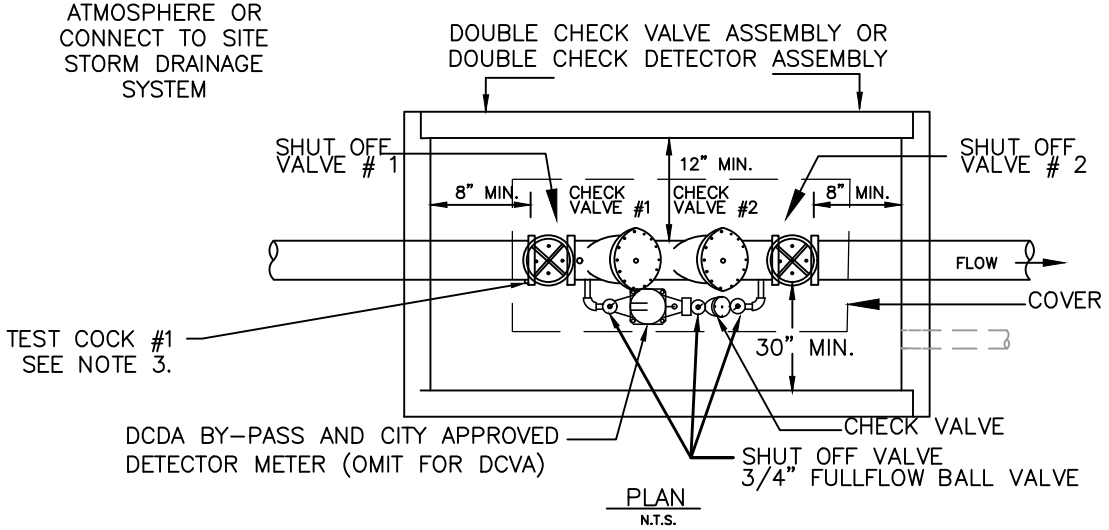
REV.	STD. NO.
1	6206B

3" - 10" DOUBLE CHECK VALVE BFP ASSEMBLY (DCVA) OR DOUBLE CHECK DETECTOR BFP ASSEMBLY (DCDA) NOTES

CITY OF LEXINGTON
INFRASTRUCTURE
DEVELOPMENT STANDARDS

ELEVATION
N.T.S.





PLAN
N.T.S.

NOT TO SCALE

3" - 10" DOUBLE CHECK VALVE BFP ASSEMBLY (DCVA) OR DOUBLE CHECK DETECTOR BFP ASSEMBLY (DCDA) IN VAULT

REV.	STD. NO.
1	6207A

CITY OF LEXINGTON
INFRASTRUCTURE
DEVELOPMENT STANDARDS

NOTES:
1. DOUBLE CHECK VALVE BACKFLOW PREVENTION ASSEMBLY SHALL COMPLY WITH ASSE 1015 & AWWA C510. DOUBLE CHECK DETECTOR BACKFLOW PREVENTION ASSEMBLY SHALL COMPLY WITH ASSE 1048.

2. THE CITY OF LEXINGTON APPROVED 3" – 10" DCVA/DCDA INCLUDES SHUT OFF VALVES #1 AND #2 AS PART THE ASSEMBLY. NO SUBSTITUTIONS SHALL BE ALLOWED. MINIMUM 6" CLEARANCE IS REQUIRED BETWEEN FULLY OPEN VALVE AND BOTTOM OF THE VAULT COVER.

3. TEST COCK #1 SHALL BE UPSTREAM OF SHUT VALVE #1 AND IS PART OF THE APPROVED ASSEMBLY.

4. WATER–TIGHT VAULT, DOOR OR COVER AND SUPPORT ASSEMBLY SHALL BE DESIGNED BY OWNER AS REQUIRED. VAULT HATCH/COVER SHALL BE FLUSH MOUNT AND ACCOMMODATE BACKFLOW PREVENTION ASSEMBLY REMOVAL AND VALVE ACCESS. VAULTS INSTALLED IN OR NEAR PAVEMENT REQUIRE TRAFFIC BEARING VAULT AND COVER.

5. FIRE LINE INSTALLATIONS SHALL HAVE OUTSIDE STEM AND YOKE (OS&Y) HANDWHEEL OPERATORS.

6. 3" TO 10" DCDA SHALL BE SUPPORTED WITH ADEQUATE SUPPORT PEDESTAL(S).

7. CITY APPROVED MODELS ARE WILKINS, WATTS AND FEBCO. ALL OTHER PROPOSED MODELS SHALL BE REVIEWED BY THE CITY OF LEXINGTON BACKFLOW PREVENTION PROGRAM ORC TO DETERMINE IF UNIT IS APPROVED EQUAL. ALLOW A MINIMUM OF 30 DAYS FROM DOCUMENT SUBMITTAL TO DETERMINATION.

8. IF DRAINAGE CANNOT BE PROVIDED TO FREE ATMOSPHERE OR DOWNSTREAM (PRIVATE) STORM DRAINAGE SYSTEM, THE DCVA/DCDA MUST BE INSTALLED ABOVE GROUND.

9. ALL BACKFLOW PREVENTERS SHALL MEET CURRENT UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS–CONNECTION CONTROL & HYDRAULIC RESEARCH REQUIREMENTS.

10. BACKFLOW PREVENTION ASSEMBLIES & ASSOCIATED WATER SERVICE MATERIALS SHALL COMPLY WITH NC PLUMBING CODE AND BE NSF/ANSI 61 "NO LEAD" CERTIFIED (APPROVED FOR DRINKING WATER USE).

11. PROPERTY OWNER SHALL BE RESPONSIBLE FOR MAINTENANCE, OPERATION AND TESTING OF ASSEMBLY AND COMPLIANCE WITH CITY REPORTING & TESTING REQUIREMENTS. ALL ASSEMBLIES MUST PASS TESTING BY A NC CERTIFIED TESTER AFTER INSTALLATION AND EACH YEAR THEREAFTER.

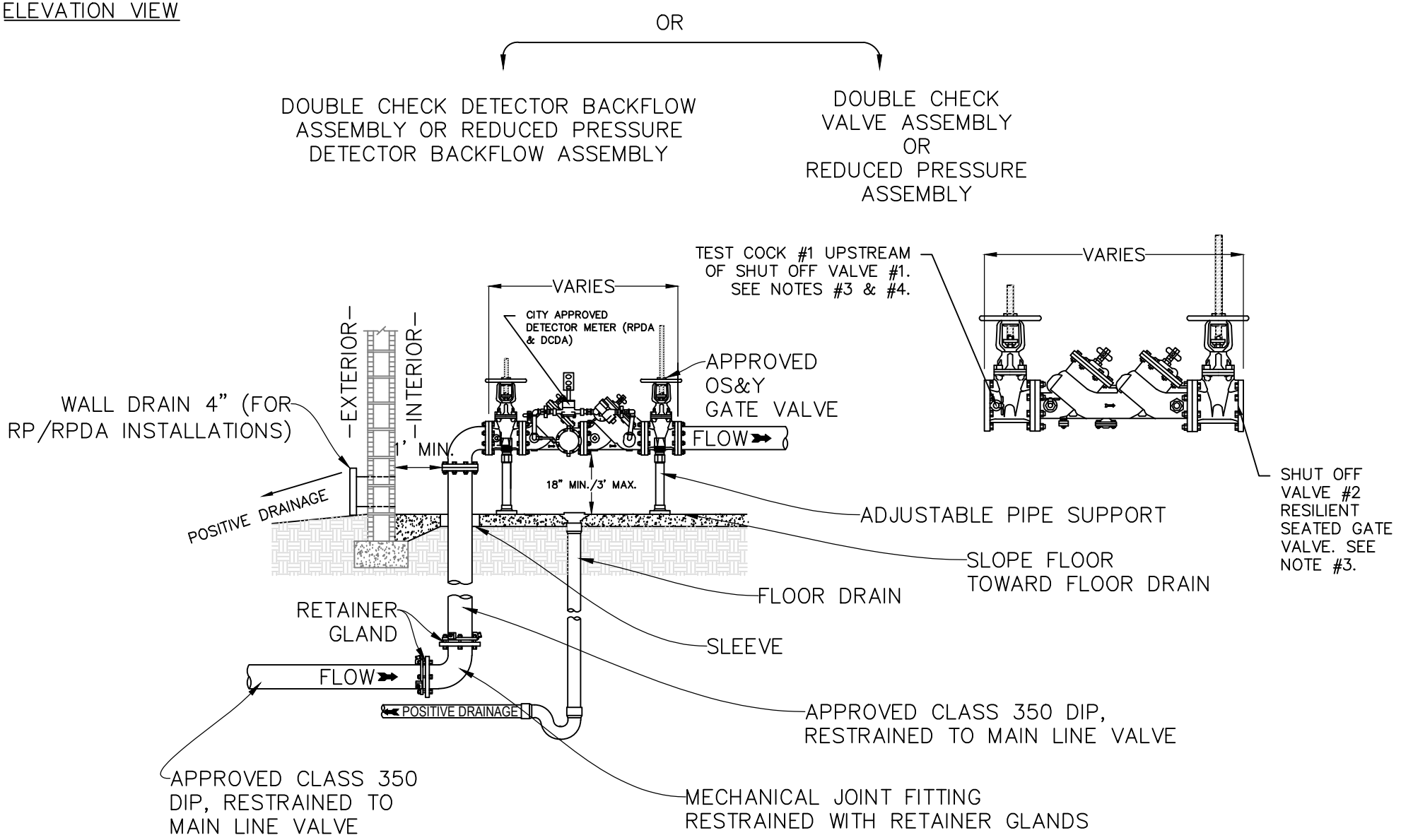
NOT TO SCALE

REV.	STD. NO.
1	6207B

3" - 10" DOUBLE CHECK VALVE BFP ASSEMBLY (DCVA) OR DOUBLE CHECK DETECTOR BFP ASSEMBLY (DCDA) IN VAULT NOTES

CITY OF LEXINGTON
INFRASTRUCTURE
DEVELOPMENT STANDARDS

ELEVATION VIEW



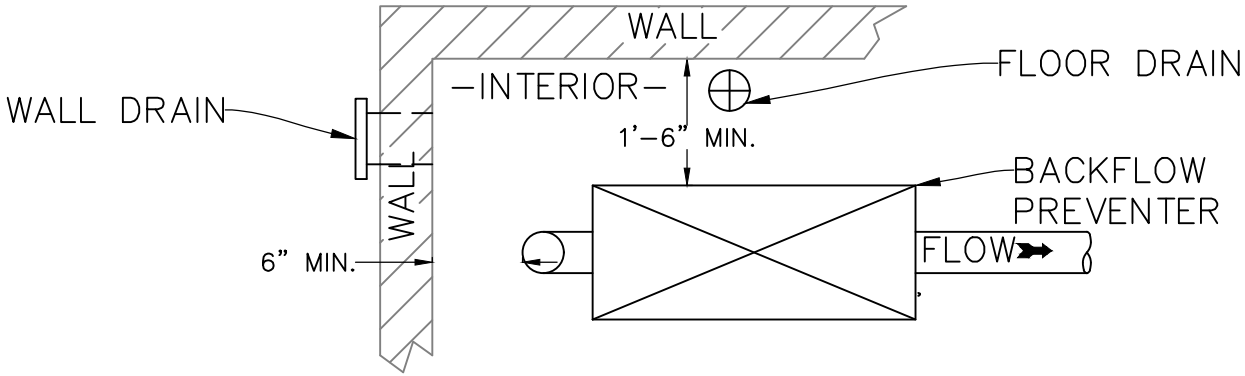
NOT TO SCALE

3" - 10" BACKFLOW PREVENTION ASSEMBLY (BPA)-INDOOR

REV.	STD. NO.
1	6208A

CITY OF LEXINGTON
INFRASTRUCTURE
DEVELOPMENT STANDARDS

PLAN VIEW



NOTES:

1. REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY SHALL COMPLY WITH ASSE 1013 & AWWA C511 AND REDUCED PRESSURE DETECTOR ASSEMBLY SHALL COMPLY WITH ASSE 1047.
2. DOUBLE CHECK VALVE BACKFLOW PREVENTION ASSEMBLY SHALL COMPLY WITH ASSE 1015 & AWWA C510 AND DOUBLE CHECK DETECTOR BACKFLOW PREVENTION VALVE ASSEMBLY SHALL COMPLY WITH ASSE 1048.
3. THE CITY OF LEXINGTON APPROVED 3" – 10" BPA INCLUDES VALVES #1 AND #2 AS PART OF THE ASSEMBLY. NO SUBSTITUTIONS SHALL BE ALLOWED.
4. TEST COCK #1 SHALL BE UPSTREAM OF SHUT OFF VALVE #1 AND IS PART OF THE APPROVED ASSEMBLY.
5. BACKFLOW PREVENTERS CANNOT BE LOCATED INSIDE WALLS, CABINETS OR FOUNDATIONS.
6. CITY OF LEXINGTON APPROVED MODELS ARE WILKINS, WATTS, AND FEBCO. ALL OTHER PROPOSED MODELS SHALL BE REVIEWED BY THE CITY OF LEXINGTON BACKFLOW PREVENTION PROGRAM ORC TO DETERMINE IF THE UNIT IS APPROVED EQUAL. ALLOW A MINIMUM OF 30 DAYS FROM DOCUMENT SUBMITTAL TO DETERMINATION.
7. PIPE MATERIAL SHALL BE CLASS 350 DIP AWWA C150 AND C151.
8. PROPERTY OWNER SHALL BE RESPONSIBLE FOR MAINTENANCE, OPERATION AND TESTING OF BACKFLOW ASSEMBLY AND COMPLIANCE WITH REPORTING AND TESTING REQUIREMENTS. ALL ASSEMBLIES MUST PASS TESTING BY A NC CERTIFIED TESTER AFTER INSTALLATION, AND EVERY YEAR THEREAFTER.
9. ALL BACKFLOW PREVENTERS SHALL MEET CURRENT UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS–CONNECTION AND HYDRAULIC RESEARCH REQUIREMENTS.
10. ALL DRAINS SHALL BE SIZED TO MEET MAX CAPACITY RELEASE FROM A REDUCED PRESSURE BACKFLOW ASSEMBLY. OWNER MAY INSTALL WALL DRAIN(S) AND/OR FLOOR DRAIN(S) AS NECESSARY.
11. ALL BACKFLOW PREVENTION ASSEMBLIES & ASSOCIATED WATER SERVICE MATERIALS SHALL COMPLY WITH NC BUILDING CODE AND BE NSF/ANSI "NO LEAD" CERTIFIED 9APPROVED FOR DRINKING WATER USE).

NOT TO SCALE

REV.	STD. NO.
1	6208B

3" - 10" BACKFLOW PREVENTION ASSEMBLY (BPA)-INDOOR NOTES

CITY OF LEXINGTON
INFRASTRUCTURE
DEVELOPMENT STANDARDS