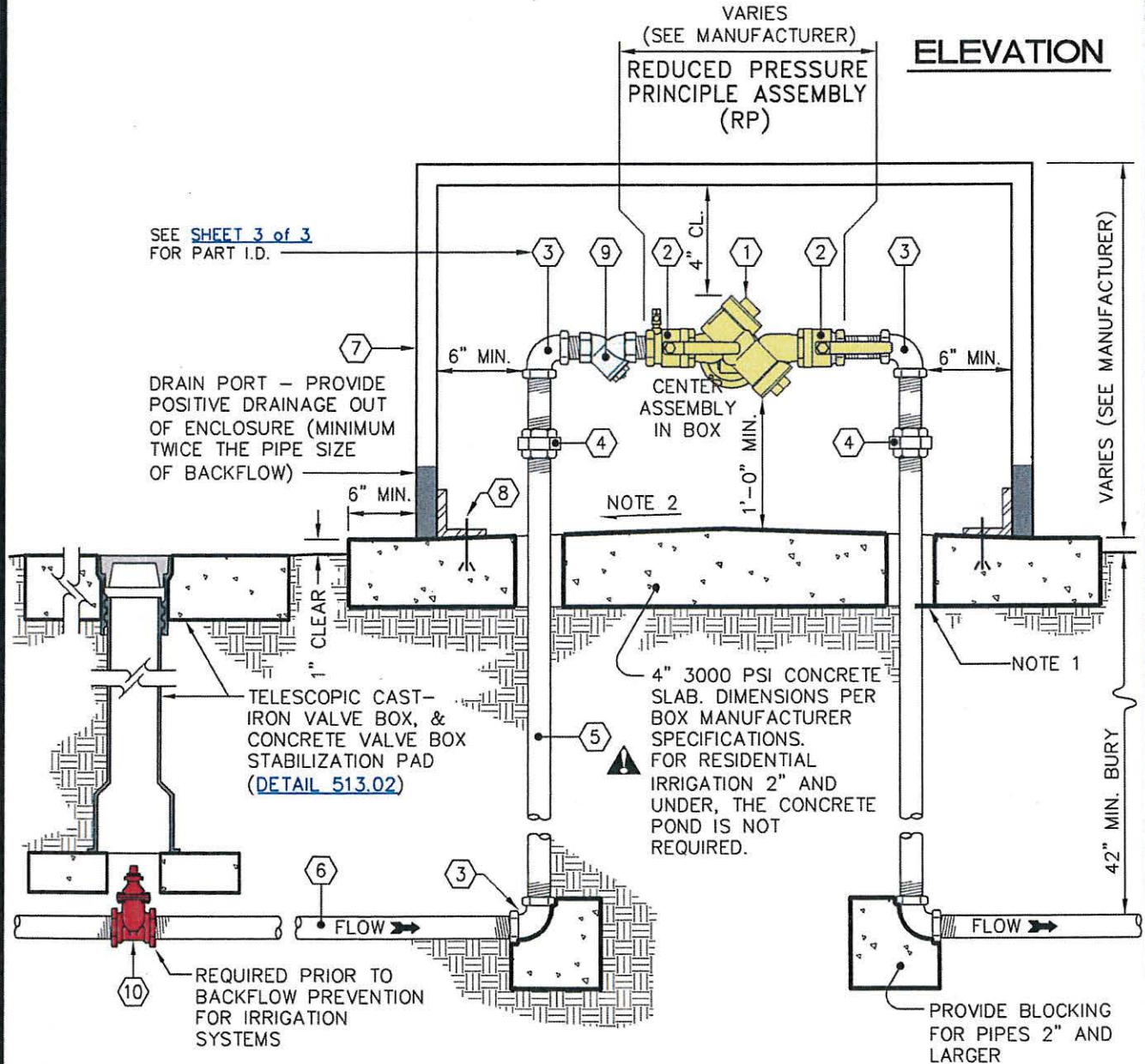


-IRRIGATION ONLY-
 RP TYPE BACKFLOW TO BE
 INSTALLED WITHIN 50' OF DOMESTIC
 TEE W/ SEPARATE IRRIGATION METER



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 CITY OF MEDICINE

Dept. of Water Management
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City of Durham, NC

USE WITH THE STANDARD SPECIFICATIONS ONLY

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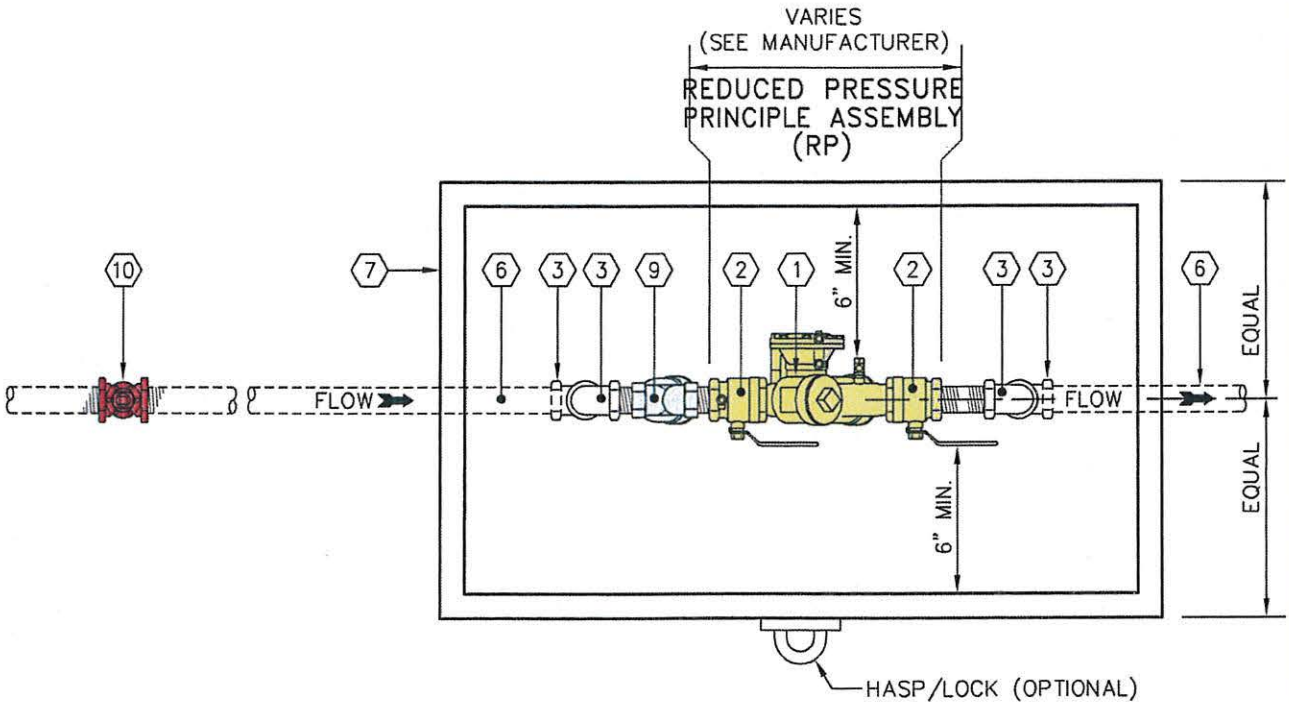
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**3/4" to 2" IRRIGATION ONLY, RP
 ASSEMBLY (ABOVE GROUND)**

SCALE: Not To Scale	DETAIL # 2516.09
REVISION DATE: Feb., 2017	SHEET #: 1 of 3

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PLAN VIEW



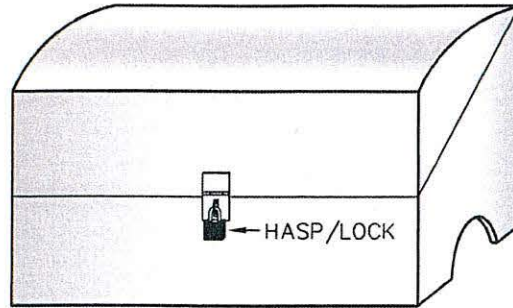
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TYPICAL ENCLOSURE

#	PART	MANUFACTURER MODEL / Cat. No.
1	BACKFLOW PREVENTION ASSEMBLY, AS APPLICABLE	ASSE APPROVED LIST PROVIDED AT www.ASSE-Plumbing.org
2	1/4 TURN FULL PORT BRONZE BALL SHUT-OFF VALVE	---
3	ALL MATERIALS TO CONFORM TO SECTION 6 ON NC PLUMBING CODE.	---
4	OPTIONAL THREADED UNION AT GROUND LEVEL WITHIN 3" OF GROUND (REQUIRED FOR IRRIGATION ONLY)	---
5	ALL MATERIALS TO CONFORM TO SECTION 6 ON NC PLUMBING CODE.	---
6	ALL MATERIALS TO CONFORM TO SECTION 6 ON NC PLUMBING CODE.	---
7	INSULATED ENCLOSURE WITH LOCKING ACCESS AND OPTIONAL HEATER (120 V, 1 PHASE 60 HZ) VERIFY FITTINGS WILL FIT INSIDE BOX BEFORE ORDERING	HOTBOX / HB.75 – HB3E (OR APPROVED EQUIVALENT) MEETING ASSE 1060
8	STAINLESS STEEL ANCHOR BOLTS PER BOX MANUFACTURER RECOMMENDED SIZE AND SPACING	---
9	STRAINER REQUIRED WITHIN 3' OF BFP (EXCLUDING FIRE BACKFLOW APPLICATIONS)	---
10	U.G. VALVE REQUIRED PRIOR TO BACKFLOW PREVENTER FOR IRRIGATION APPLICATIONS.	---

NOTES:

1. Provide minimum 1" annular clearance around all risers.
2. Slope floor to drain to ports at both ends. Ensure positive surface grade away from enclosure.
3. Construction and materials shall meet the requirements of the NC Plumbing Code and, for fire services, NFPA.
4. Minimum clearance 12" from ground, Maximum 60" to highest part of backflow & 6" clearance on all sides from walls.
5. Lawn irrigation requires a separate irrigation meter | G.S. 143-355.4
6. NOTE TO ENGINEER: Heat is optional for domestic back flow. Only required on fire protection

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REVISION DATE: Feb., 2017	SHEET #: 3 of 3