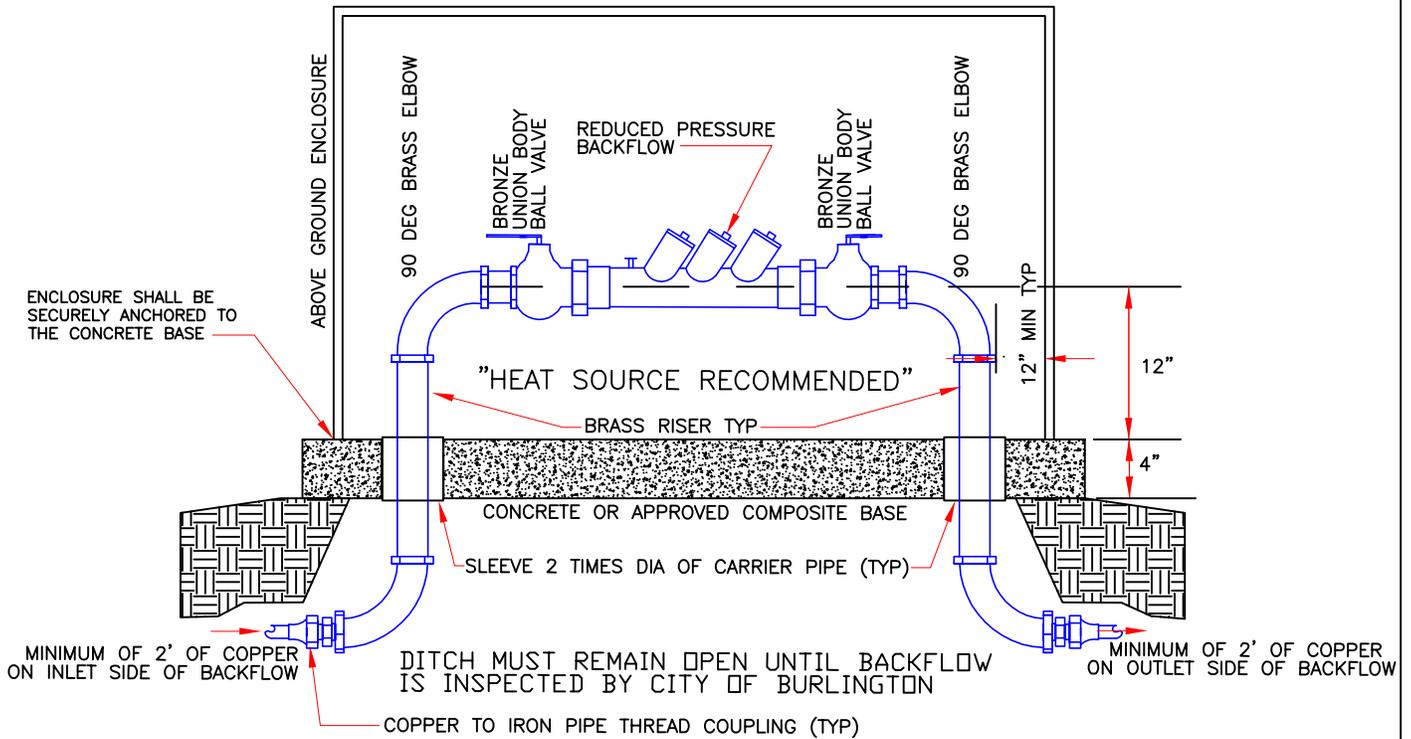


IRRIGATION BACKFLOW ONLY



1. THE BACKFLOW DEVICE SHALL BE WITHIN 10'-50' OF AND ON THE PROPERTY SIDE OF THE METER. ENCLOSURE SHALL NOT OBSTRUCT SITE DISTANCE AT ROAD CROSSINGS.
2. ALL IRRIGATION SYSTEM BACKFLOW DEVICES SHALL BE INSTALLED ABOVE GROUND IN A HORIZONTAL POSITION.
3. SHUT OFF VALVES SHALL BE FULL PORT, LINE SIZE, LEVERTYPE, AND $\frac{1}{4}$ TURN BRONZE BALL VALVES.
4. DEVICES SHALL HAVE TWO RESILIENT SEAT BRONZE UNIONS BETWEEN THE SHUT OFF VALVES FOR REMOVAL OF THE DEVICE.
5. APPROVED ABOVE GROUND ENCLOSURES: "HOT BOX", HYDROCOWL, OR SMI MODEL # B-30-SZD, B41-SZD, B51-SZD). ENCLOSURE MUST HAVE A DRAIN
6. TANDEM BACKFLOWS REQUIRED IF SERVING MULTIPLE USERS OR SERVICE CANNOT BE INTERRUPTED
7. BY-PASS OF BLACKFLOW DEVICE, TEMPORARY OR PERMENENT, WILL NOT BE ACCEPTABLE
8. ALL BACKFLOW DEVICES SHALL BE APPROVED BY THE UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS CONNECTION AND HYDRAULIC RESEARCH. ALL REDUCED PRESSURE (RPZ) ASSEMBLIES MUST CONFORM TO ANSI/AWWA C511.



DATE 7/19/05	REVISED 7/22/05	SCALE NOT TO SCALE	DETAIL SC-38
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ABOVE GRADE BACKFLOW PREVENTER, 3/4" - 2" (IRRIGATION SYSTEMS)

CITY OF BURLINGTON, NORTH CAROLINA

ENGINEERING DEPARTMENT