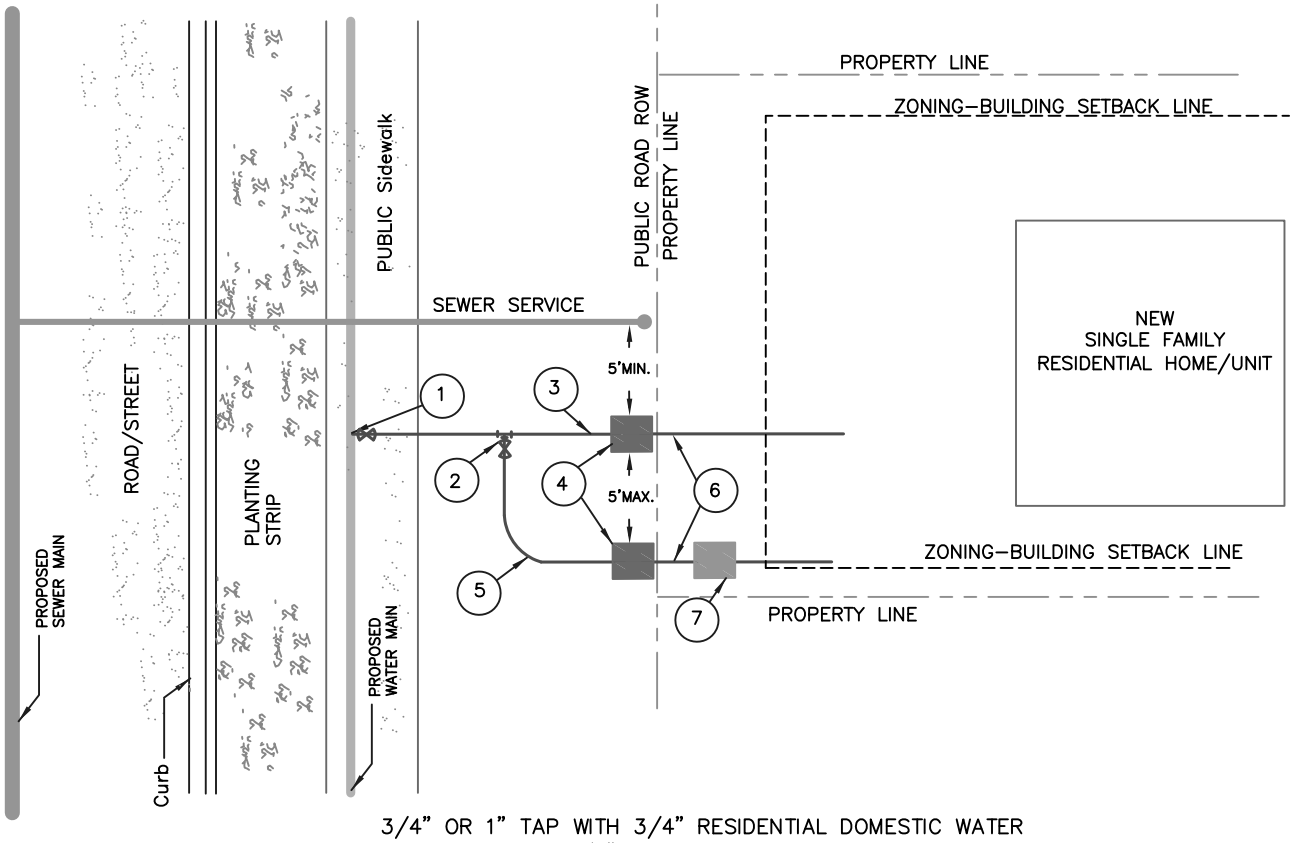

3/4" OR 1" TAP WITH 3/4" RESIDENTIAL DOMESTIC WATER SERVICE AND 3/4" IRRIGATION WATER SERVICE SPILT

N.T.S.

GENERAL NOTES:

- REFER TO THE CITY OF CONCORD TECHNICAL SPECIFICATIONS FOR WATER SERVICES, THE 3/4" –1" RESIDENTIAL DOMESTIC WATER SERVICE TECHNICAL DETAIL, THE 3/4" –1" COMMERICIAL & IRRIGATION WATER SERVICE TECHNICAL DETAIL, AND BACKFLOW PREVENTION MANUAL FOR ACCEPTABLE MANUFACTURES AND MATERIALS.
- THE WATER METER BOX ASSEMBLY AND BACKFLOW ASSEMBLIES SHALL NOT BE LOCATED WITHIN A ROAD, STREET, DRIVEWAY, SIDEWALK OR DRAINAGE FEATURE. THE WATER SERVICE ASSEMBLE SHALL BE LOCATED 5–FT TO THE RIGHT OF THE CENTER OF THE LOT AND 5–FT TO THE RIGHT OF THE SEWER SERVICE, UNLESS OTHERWISE INDICATED ON THE APPROVED DESIGN DRAWINGS.
- THE OWNER SHALL BE RESPONSIBLE FOR DETERMINING IF THE DOMESTIC WATER PRESSURE WILL BE ADEQUATE FOR THEIR USE. IF THE PRESSURE IS NOT ADEQUATE, THE OWNER SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE NECESSARY APPROVED DEVICE(S) TO MAKE REQUIRED ADJUSTMENTS TO THE WATER PRESSURE SUPPLIED BY THE CITY OF CONCORD. THE REQUIRED DEVICES SHALL BE LOCATED ON THE PRIVATE SERVICE.

TECHNICAL NOTES:

1. 3/4" OR 1" WATER SERVICE TAP SADDLE WITH CORPORATE STOP TO BRANCH/TEE. SERVICE TUBING THRU METER SHALL CONFORM TO ASTM B88–55, TYPE K, CONFORMING TO ASTM D2737, IPS SDR9 COPPER TUBING SIZE WITH MINIMUM PRESSURE RATING OF 200 PSI. FITTINGS FOR COPPER TUBING SHALL BE RED BRASS CONTAINING 85% COPPER AND 5% LEAD TIN AND ZINC.
2. BRASS TEE, BY MUELLER "H–15381" OR EQUAL, WITH A COMPRESSION BALL VALVE, BY MUELLER "B–25146" OR EQUAL, ON THE 3/4" IRRIGATION BRANCH.
3. 3/4" COPPER RESIDENTIAL DOMESTIC WATER SERVICE WITH SINGLE CONTINUOUS RUN OF TUBING FROM THREE PART UNION TO THE METER ASSEMBLY ANGLE VALVE.
4. WATER SERVICE METER BOX AND ASSEMBLY: THE METER HOUSING SHALL BE MID STATE PLASTICS OR EQUAL; 3/4–INCH BOX MSBCF – 1118–12XL AND LID MSCBC–1118– RTR. METER BOX RIM SHALL BE SET FLUSH WITH FINAL GRADE. THE BASE OF THE METER BOX MUST HAVE AT LEAST 6–INCHES TO 8–INCHES OF #57 WASHED STONE. METER BOXES SHALL BE INSTALLED SIDE BY SIDE WITH AT LEAST 2–FT MIN. AND 5 FT. MAXIMUM HORIZONTAL CLEARANCE.
5. 3/4" COPPER IRRIGATION WATER SERVICE WITH SINGLE CONTINUOUS RUN OF TUBING FROM MAIN TO THE METER ASSEMBLY ANGLE VALVE.
6. PRIVATE SERVICE LINE TO BE CONNECTED TO 12–INCH BRASS NIPPLE BY LISCENSED PLUMBER.
7. 3/4" ABOVE GROUND REDUCED PRESSURE BACKFLOW (RP) UNIT ASSEMBLY WITH APPROVED HOUSING, INSTALLED WITHIN 5–FT OF METER OUTSIDE OF THE PUBLIC ROW, IN ACCORDANCE WITH CITY BACKFLOW PREVENTION MANUAL.

FOR NEW RESIDENTIAL DEVELOPMENTS CURRENTLY UNDER CONSTRUCTION ONLY

Concord NORTH CAROLINA

3/4" DOMESTIC & IRRIGATION SPLIT WATER SERVICE ASSEMBLY STANDARD DETAIL

No.	Date	By	REVISION

Drawn By:	Checked By:	Approved By:	Date	Sht	of
SVM	PK	MSH	6/8/10	1	1