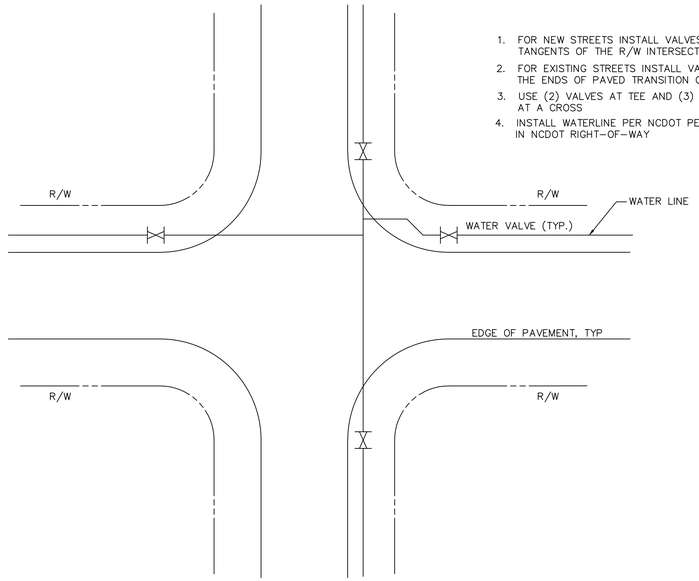
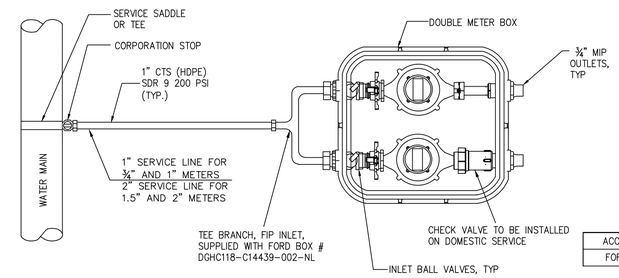
1. FOR NEW STREETS INSTALL VALVES AT THE TANGENTS OF THE R/W INTERSECTION CURVES.
2. FOR EXISTING STREETS INSTALL VALVES AT THE ENDS OF PAVED TRANSITION CURVES.
3. USE (2) VALVES AT TEE AND (3) VALVES AT A CROSS
4. INSTALL WATERLINE PER NCDOT PERMIT IN NCDOT RIGHT-OF-WAY



INTERSECTION VALVE LOCATIONS
DETAIL W-5



NOTES:

1. CONNECTION BETWEEN 1" CTS SERVICE LINE AND YOKE BOX TO BE MADE USING A 1" BRASS UNION.

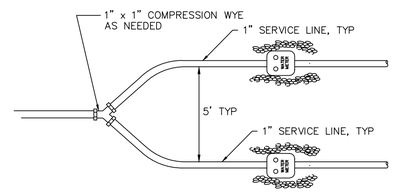
**NOTE:
BACKFLOW PROTECTION DEVICE IS REQUIRED ON ALL IRRIGATION WATER METERS AND ON ALL COMMERCIAL/INDUSTRIAL WATER METERS

ACCEPTABLE DOUBLE METER BOXES	
FORD	DGHC118-C14439-002-NL

* OR APPROVED EQUAL

1. OR APPROVED EQUAL – MUST ACCOMMODATE TWO (2) SENSUS WATER METERS WITH AMR/AMI
2. LID TO BE LOCKING TYPE

PLAN VIEW FOR WATER/IRRIGATION SPLIT SERVICE
(WATER/IRRIGATION SERVICES INSTALLED CONCURRENTLY)

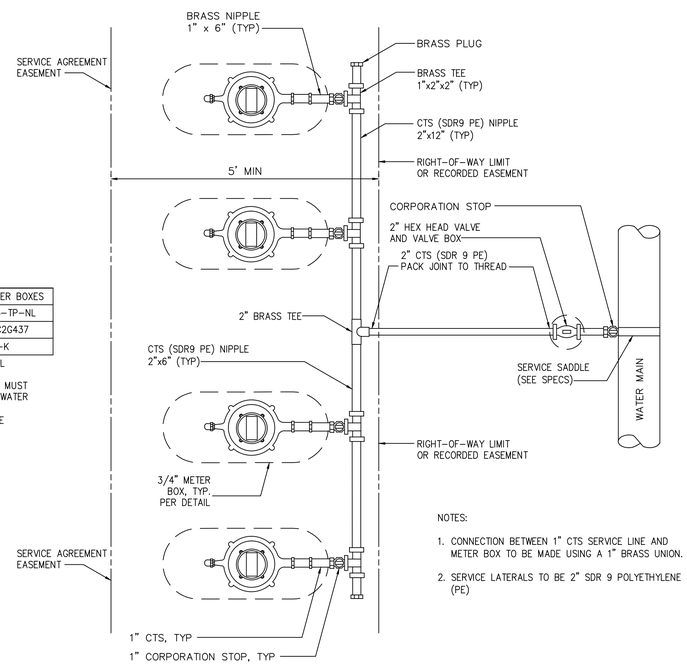


WYE PLAN VIEW FOR WATER/IRRIGATION SPLIT SERVICE
(IRRIGATION SERVICE INSTALLED AFTER MAIN METER)

¾"-1" ACCEPTABLE SINGLE METER BOXES	
FORD	LYLV-141-243-TP-NL
McDONALD	776-208-PC2G437
MUELLER	H-1462-K

* OR APPROVED EQUAL

1. OR APPROVED EQUAL – MUST ACCOMMODATE SENSUS WATER METER WITH AMR/AMI
2. LID TO BE LOCKING TYPE



¾"-1" ACCEPTABLE SINGLE METER BOXES	
FORD	LYLV-141-243-TP-NL
McDONALD	776-208-PC2G437
MUELLER	H-1462-K

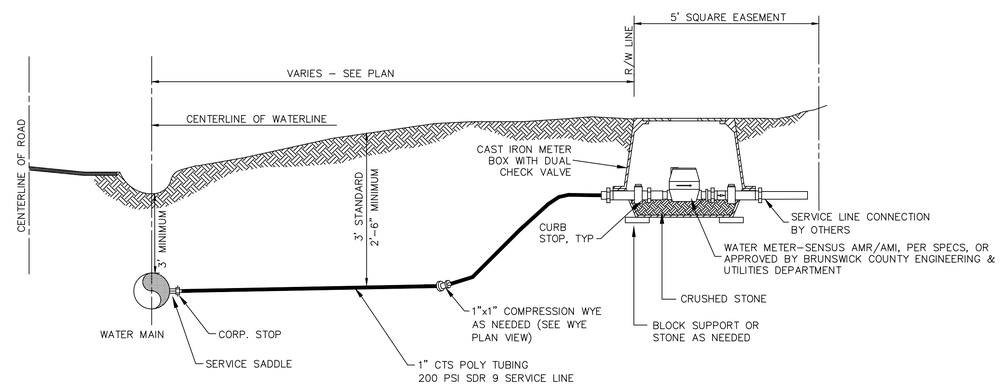
* OR APPROVED EQUAL

1. OR APPROVED EQUAL – MUST ACCOMMODATE SENSUS WATER METER WITH AMR/AMI
2. LID TO BE LOCKING TYPE

NOTES:

1. CONNECTION BETWEEN 1" CTS SERVICE LINE AND METER BOX TO BE MADE USING A 1" BRASS UNION.
2. SERVICE LATERALS TO BE 2" SDR 9 POLYETHYLENE (PE)

STANDARD GANG METER ASSEMBLY
DETAIL W-6



NOTE:

1) CONTRACTOR SHALL PLACE METER BOX IN NON-TRAFFIC AREA AT LOCATION SPECIFIED BY BRUNSWICK COUNTY ENGINEERING DEPARTMENT.
2) METER BOXES SHALL BE CAST IRON WITH DUAL CHECK VALVES.
3) 1 1/2" AND 2" METERS WILL REQUIRE 2" CTS POLY TUBING.
4) 1 1/2" AND 2" METERS WILL REQUIRE A METER BOX SIZED ADEQUATELY TO HOUSE A 1 1/2" OR 2" SENSUS METER, HORIZONTAL BYPASS SETTER, AND MXU. ALL REQUIRED ITEMS TO BE PROVIDED BY INSTALLER.
5) 1 1/2" AND 2" METER BOXES SHALL BE MARKED WATER AND HAVE A HOLE FOR INSTALLATION OF THE MXU AND TOUCH PAD TO BE PROVIDED BY INSTALLER.
6) NO PLASTIC BOXES FOR 1 1/2" AND 2" METERS. BOX MUST BE DUCTILE IRON OR QUAZITE.

3/4" – 2" STANDARD WATER TAP
INSTALLATION DETAIL W-7
(FOR METERS LARGER THAN 2", REFER TO DETAIL ON PAGE 3 OF 5)

Revisions

1.1 - DATED 3/7/2013
Modified double meter box
1.2 - DATED 4/5/2013
Corrected meter box #'s
1.3 - DATED 7/15/2015
Updated meter box #'s
1.4 - DATED 10/27/2015
Modified W-7

COUNTY OF BRUNSWICK

GENERAL WATER DETAILS
FOR
BRUNSWICK COUNTY
NORTH CAROLINA

Date: 05-23-12
Scale: NTS
Drawn By: JDM
Checked By: WLP