NOTE:
PIPE TO BE INSTALLED ON UNDISTURBED SOIL OR SUITABLE SOIL COMPACTED TO 98% MAXIMUM DENSITY. BELL HOLE SHALL BE DUG TO PERMIT THE ENTIRE STRAIGHT BARREL OF PIPE TO REST ON UNDISTURBED TRENCH BOTTOM.

STONES FOUND IN THE TRENCH SHALL BE REMOVED FOR A DEPTH OF AT LEAST SIX (6) INCHES BELOW THE BOTTOM OF THE PIPE.
### PVC JOINTS RESTRAINTS - HORIZONTAL BEND

**JWSC STANDARD DETAIL 2-4**

**BRUNSWICK-GLYNN COUNTY JOINT WATER & SEWER COMMISSION**

700 Gloucester Street, Suite 300  
Brunswick, Georgia 31520  
Website: www.bgjwsc.org

**Phone:** (912) 261-7110  
**Fax:** (912) 261-7178  

Date: AUGUST 2011

---

**Table:**

<table>
<thead>
<tr>
<th>PIPE SIZE</th>
<th>90° BEND</th>
<th>45° BEND</th>
<th>22 1/2° BEND</th>
<th>11 1/4° BEND</th>
</tr>
</thead>
<tbody>
<tr>
<td>16&quot;</td>
<td>76'</td>
<td>32'</td>
<td>16'</td>
<td>8'</td>
</tr>
<tr>
<td>12&quot;</td>
<td>60'</td>
<td>25'</td>
<td>12'</td>
<td>6'</td>
</tr>
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<td>10&quot;</td>
<td>51'</td>
<td>22'</td>
<td>11'</td>
<td>6'</td>
</tr>
<tr>
<td>8&quot;</td>
<td>40'</td>
<td>18'</td>
<td>9'</td>
<td>5'</td>
</tr>
<tr>
<td>6&quot;</td>
<td>33'</td>
<td>14'</td>
<td>7'</td>
<td>4'</td>
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</tbody>
</table>

---

**Diagram:**

- MEGA-LUG (TYP)
- HARNESS RESTRAINTS (TYP)

---

NOT TO SCALE
### PVC JOINTS RESTRAINTS - REDUCER

#### Reducer Size and LR

<table>
<thead>
<tr>
<th>Reducer Size</th>
<th>LR</th>
</tr>
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<tbody>
<tr>
<td>16&quot; x 12&quot;</td>
<td>75'</td>
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<tr>
<td>16&quot; x 10&quot;</td>
<td>104'</td>
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<td>16&quot; x 6&quot;</td>
<td>147'</td>
</tr>
<tr>
<td>12&quot; x 10&quot;</td>
<td>40'</td>
</tr>
<tr>
<td>12&quot; x 8&quot;</td>
<td>72'</td>
</tr>
<tr>
<td>12&quot; x 6&quot;</td>
<td>99'</td>
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<td>10&quot; x 8&quot;</td>
<td>39'</td>
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<td>10&quot; x 6&quot;</td>
<td>71'</td>
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<td>8&quot; x 4&quot;</td>
<td>69'</td>
</tr>
<tr>
<td>6&quot; x 4&quot;</td>
<td>38'</td>
</tr>
</tbody>
</table>

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**NOT TO SCALE**

Harvest Restraints (Typ)  

Megalug (Typ)
<table>
<thead>
<tr>
<th>LINE SIZE</th>
<th>Lr</th>
</tr>
</thead>
<tbody>
<tr>
<td>16&quot;</td>
<td>175'</td>
</tr>
<tr>
<td>12&quot;</td>
<td>136'</td>
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<td>10&quot;</td>
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<td>8&quot;</td>
<td>96'</td>
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<tr>
<td>6&quot;</td>
<td>74'</td>
</tr>
<tr>
<td>4&quot;</td>
<td>52'</td>
</tr>
</tbody>
</table>

FLOW

HARNESS RESTRAINTS (TYP)

FOR LOOPED SYSTEMS, JOINTS SHOULD BE RESTRAINED IN EACH DIRECTION

MEGA-LUG (TYP)

NOT TO SCALE

PVC JOINTS RESTRAINTS - IN-LINE VALVE

JWSC STANDARD DETAIL 2-6

Date: AUGUST 2011
PVC JOINTS RESTRAINTS - VERTICAL OFFSET

**Table**

<table>
<thead>
<tr>
<th>PIPE SIZE</th>
<th>Lr - HIGH SIDE</th>
<th>Lr - LOW SIDE</th>
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<tr>
<td>16&quot;</td>
<td>73'</td>
<td>21'</td>
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<tr>
<td>12&quot;</td>
<td>57'</td>
<td>16'</td>
</tr>
<tr>
<td>10&quot;</td>
<td>48'</td>
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<tr>
<td>8&quot;</td>
<td>40'</td>
<td>11'</td>
</tr>
<tr>
<td>6&quot;</td>
<td>31'</td>
<td>9'</td>
</tr>
</tbody>
</table>
PVC JOINTS RESTRAINTS - TEMPORARY DEAD END

JWSC STANDARD DETAIL 2-8

DATE: DECEMBER 2017
NOTE:
1. USE #12 AWG SOLID PLASTIC COATED COPPER WIRE.
2. STRIP 2" OF COATING & WRAP WIRE 2 TURNS UNDER "T" HEAD BOLT ON TOP OF DUCTILE IRON FITTING (VALVE). NEXT WRAP WIRE 2 TURNS AROUND BELL OF FITTING (VALVE) AND WIND WITH A CONTINUOUS LENGTH OF AT LEAST 4 WRAPS PER LENGTH OF PVC PIPE TO THE NEXT DUCTILE IRON FITTING. TERMINATE AT FITTING IN A SIMILAR MANNER AS NOTED ABOVE.
3. ALL SPLICES MUST BE MADE BY USING COPPER WIRE SPLICE, "U" BOLT ASSEMBLIES AND THEN WRAPPING WITH ELECTRICAL TAPE.
4. IN LIEU OF "WRAPPING" TRACER WIRE AROUND PVC PIPE, WIRE MAY BE STRUNG ALONG THE TOP OF PIPE, PROVIDED IT IS TAPE TO THE PIPE EVERY 5'-0" TO INSURE ACCURATE POSITION MAINTAINED DURING BACKFILL.
SECTION X-X

GENERAL NOTES:
1. DETAIL SHOWN IS FOR CITY AND COUNTY ROADWAY CROSSINGS.
2. INSTALLATIONS UNDER STATE ROADS AND RAILROADS MAY HAVE REQUIREMENTS DIFFERENT FROM THOSE SHOWN. SUCH INSTALLATIONS SHALL MEET ALL APPLICABLE REQUIREMENTS OF THE GEORGIA DEPARTMENT OF TRANSPORTATION OR THE PARTICULAR RAILROAD INVOLVED.
3. SEE BG/JWSC STANDARD CONSTRUCTION SPECIFICATIONS FOR ADDITIONAL INFORMATION.
4. CASING SIZE SHOWN ARE FOR DUCTILE IRON PIPE. FOR PVC PIPE AND HARNESS RESTRAINTS, ADJUST CASING PIPE DIAMETER ACCORDINGLY.

<table>
<thead>
<tr>
<th>CARRIER PIPE DIAMETER (INCHES)</th>
<th>CASING PIPE DIAMETER (INCHES)</th>
<th>WALL THICKNESS* (INCHES)</th>
</tr>
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<tbody>
<tr>
<td>6</td>
<td>12</td>
<td>0.375</td>
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<td>30</td>
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</table>

* SEE NOTE 2

NOT TO SCALE

STEEL CASING AND CARRIER PIPE INSTALLATION

JWSC STANDARD DETAIL 2-10

Date: AUGUST 2011
SECTION X-X

GENERAL NOTES:
1. DETAIL SHOWN IS FOR STATE ROADWAY CROSSINGS.
2. INSTALLATIONS UNDER CITY OF BRUNSWICK AND GLYNN COUNTY ROADS MAY HAVE REQUIREMENTS DIFFERENT FROM THOSE SHOWN. INSTALLATIONS SHALL MEET ALL APPLICABLE REQUIREMENTS OF THE GEORGIA DEPARTMENT OF TRANSPORTATION.
3. SEE BGWSC STANDARD CONSTRUCTION SPECIFICATIONS FOR ADDITIONAL INFORMATION.
4. CASING SIZES SHOWN ARE FOR C-905 FPVC. CARRIER PIPE SIZES ARE FOR C-905 FPVC DR18 UNLESS OTHERWISE NOTED. CASINGS AND CARRIER PIPE SHALL BE BLUE OR GREEN IN COLOR.

<table>
<thead>
<tr>
<th>CARRIER PIPE DIAM (IN)</th>
<th>CARRIER PIPE OD DIAM (IN)</th>
<th>CASING PIPE DIAM (IN)</th>
<th>CASING PIPE ID DIAM (IN)</th>
<th>WALL THICKNESS* (IN)</th>
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<tr>
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<td>13.20</td>
<td>16</td>
<td>15.35</td>
<td>0.970</td>
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<td>14</td>
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<td>24</td>
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<td>18</td>
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<td>24</td>
<td>22.76</td>
<td>1.430</td>
</tr>
<tr>
<td>20</td>
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<tr>
<td>30*</td>
<td>32.00</td>
<td>36*</td>
<td>34.43</td>
<td>1.620</td>
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</table>

* DR 21

FOR CASING LENGTH, SEE PLANS

NOT TO SCALE
NOTE:
1. LOCATION OF SAMPLE POINT BIBB SHALL BE ROUTED TO NON–TRAFFIC AREAS, IF REQUIRED.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL TEMPORARY PIPING & FITTINGS, AS NOTED, AFTER BACTERIOLOGICAL CLEARANCE IS RECEIVED.
3. PIPE AND FITTINGS SHALL BE PVC (SCH 40) OR GALVANIZED.
NOTE:
1. WATER SERVICE CONNECTION MAY BE USED FOR TEMPORARY SAMPLE TAP IF LOCATED NEAR REQUIRED SAMPLING POINT.
2. WATER SERVICE TO BE INSTALLED PER "WATER SERVICE DETAIL"
3. LOCATION OF SAMPLE POINT BIBB SHALL BE ROUTED TO NON–TRAFFIC AREAS IF REQUIRED.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL TEMPORARY PIPING & FITTINGS, AS NOTED, AFTER BACTERIOLOGICAL CLEARANCE IS RECEIVED.

TEMPORARY SAMPLE TAP USING WATER SERVICE
JWSC STANDARD DETAIL 2-12
Date: AUGUST 2011
1. SET TOP OF CONCRETE COLLAR FLUSH WITH FINISH GRADE (OR LANDSCAPING). NO CONCRETE COLLAR IS REQUIRED IN PAVED AREAS.

2. THE VALVE BOX SHALL NOT REST ON TOP OF VALVE.

3. PRECAST CONCRETE COLLARS MAY BE USED UPON APPROVAL OF THE BGJWSC REPRESENTATIVE. SEE ALTERNATE DETAIL ABOVE.
NOTES:

1. FOR FIRE HYDRANT ASSEMBLIES INCLUDE EXCAVATION, BACKFILL, NECESSARY SHORING AND SHEETING, 6" LEAD PIPE, 6" GATE VALVE AND VALVE BOX, VALVE BOX COLLAR, FIRE HYDRANT, GRAVEL, TIE ROD JOINT RESTRAINTS (NOT SHOWN), COMPLETE SURFACE RESTORATION AND ALL OTHER WORK AND APPURTENANCES REQUIRED.

2. IN LIEU OF AN ALL MJ TEE, A HYDRANT TEE MAY BE USED AND SPOOL PIECE ELIMINATED.
NOTES:
1. JWSC TO INSTALL METER AND METER BOX. METER IS TO BE PURCHASED THROUGH JWSC.
2. ALL FITTINGS IN LATERAL SHALL BE COMPRESSION TYPE.
3. A MINIMUM OF TWO FULL THREADS ARE REQUIRED FOR TAPPING SLEEVE TO GO INTO THE PIPE WALL.
4. INSULATED SINGLE STAND COPPER WIRE SHALL BE STRAPPED TO THE PIPE AND ATTACHED TO THE CORPORATION AND CURB STOPS.
5. INSTALL PVC PLUG IN ALL CURB STOPS IF WATER SERVICE IS "NOT IN USE" (NO METER IS INSTALLED).
6. WATER SERVICES SERVING VACANT LOTS (SERVICE NOT IN USE), SHALL INCLUDE A "W" CUT INTO THE CURB. FOR NEW DEVELOPMENT AREAS WHERE THE WATER SERVICE IS "NOT IN USE", A #4 REBAR STAKE PAINTED BLUE. BLUE STAKE SHALL BE VISIBLE WITH 4" TO 6" ABOVE GRADE.
7. POLYETHYLENE WATER SERVICE LINE SHALL BE PERPENDICULAR TO THE MAIN UNLESS APPROVED OTHERWISE BY BGJWSC.
CAST IRON ROME METER BOX & COVER

LOCATION WIRE (COATED 12 GAUGE SOLID COPPER)

NON-METALLIC 3" WIDE TAPE

CORPORATION STOP

2" TAPPING SADDLE

WATER MAIN

12" (MAX)

2" POLYETHYLENE WATER SERVICE LINE

JWSC TO SET METER AND BACKFLOW PREVENTOR ON UNDISTURBED OR COMPACTED SOIL

PROPERTY LINE/ EASEMENT

SET AT FINAL GRADE

1" VALVE AND BOX

CONDITIONAL/ EASEMENT

COPPER, BRASS, SCH. 80 PVC. (GALVANIZED PIPE IS NOT PERMITTED)

FIBERGLASS ENCLOSURE (OPTIONAL)

FROM SYSTEM

CONCRETE PAD

TO CUSTOMER

MATERIALS

<table>
<thead>
<tr>
<th>QTY.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>RPZ ASSEMBLY (ZURN-WILMINS OR EQUAL)</td>
</tr>
<tr>
<td>1</td>
<td>FULL PORT BALL valve</td>
</tr>
<tr>
<td>1</td>
<td>2&quot; ELBOW</td>
</tr>
</tbody>
</table>

NOTE:
1. FOR IRRIGATION METERS 2" AND LARGER, WILL REQUIRE A STRAINER BEFORE THE RPZ OR DCVA
2. METER SIZE WILL BE BASED ON IRRIGATION SYSTEM NEEDS.
3. IRRIGATION TAP TO BE SEPARATE FROM POTABLE WATER.
4. INSTALLATION OF WET WEATHER SENSOR IN ACCORDANCE WITH EPD REGULATIONS.

IRRIGATION METER WITH BACKFLOW PREVENTOR DETAIL

JWSC STANDARD DETAIL 2-16A

NOT TO SCALE

Date: NOVEMBER 2015

Website: www.bgiwsc.org
NOTE:
1. FOR IRRIGATION METERS, WILL REQUIRE A STRAINER BEFORE THE RPZ
2. METER SIZE WILL BE BASED ON IRRIGATION SYSTEM NEEDS.
3. IRRIGATION TAP TO BE SEPARATE FROM POTABLE WATER.
4. INSTALLATION OF WET WEATHER SENSOR IN ACCORDANCE WITH EPD REGULATIONS.
NOTE:
1. METER BOX AND CURB STOP TO BE FURNISHED AND INSTALLED BY JWSC.
2. ALL FITTINGS IN LATERAL SHALL BE COMPRESSION TYPE.
3. A MINIMUM OF TWO FULL THREADS ARE REQUIRED FOR THE BRASS NIPPLE TO GO INTO THE TAPPING SADDLE.
4. INSULATED SINGLE STAND COPPER WIRE SHALL BE STRAPPED TO THE PIPE AND ATTACHED TO THE CORPORATION AND CURB STOPS.
5. INSTALL PVC PLUG IN ALL CURB STOPS IF WATER SERVICE IS "NOT IN USE" (NO METER IS INSTALLED).
6. WATER SERVICES SERVING VACANT LOTS (SERVICE NOT IN USE), SHALL INCLUDE A "W" CUT INTO THE CURB. FOR NEW DEVELOPMENT AREAS WHERE THE WATER SERVICE IS "NOT IN USE", A #4 REBAR STAKE PAINTED BLUE.
7. WATER SERVICE LINE SHALL BE PERPENDICULAR TO THE MAIN UNLESS APPROVED OTHERWISE BY BGJWSC.
BILL OF MATERIALS

1. 2" DIA. SS TAP TAPPING SADDLE OR TEE WITH REDUCER (SEE NOTE 1)
2. CONCRETE BLOCKING
3. 1" CORPORATION STOP (TYP)
4. CURB STOP SET AS CLOSE TO WALL AS POSSIBLE (TYP) (SEE NOTE 2)
5. JWMC TO SET METER
6. ROME CAST IRON METER BOX AND COVER (TYP) (SEE NOTE 2)
7. 2"X1" SADDLE (TYP)
8. 2" DIAMETER PLUG

NOTES:
1. A MINIMUM OF TWO FULL THREADS ARE REQUIRED FOR TAPPING SLEEVE INTO PIPE WALL.
2. METER BOX AND CURB STOP TO BE INSTALLED BY CONTRACTOR.
3. ALL FITTINGS IN LATERAL TO BE COMPRESSION TYPE.
4. INSULATED SINGLE STRAND COPPER WIRE SHALL BE STRAPPED TO PIPE AND ATTACHED TO THE CORPORATION AND CURB STOPS.
5. INSTALL PVC PLUG IN ALL CURB STOPS IF WATER SERVICE IS NOT IN USE (NO METER INSTALLED)
6. 1" POLYETHYLENE SDR 9 TUBING.

NOT TO SCALE
BILL OF MATERIALS

1. BX2 DOUBLE STRAPPED TAPPING SADDLE OR 8" TEE WITH REDUCER
2. 2" NRS VALVE AND VALVE BOX
3. 24"X36" JUMBO METER BOX BY JWSC
4. 2" METER BY JWSC
5. 2" SDR9 POLYETHYLENE TUBING
6. 2"X3" BRASS NIPPLE
7. 2" COMPXFIP BRASS CURB STOP

NOTES:
1. A MINIMUM OF TWO FULL THREADS ARE REQUIRED FOR TAPPING SLEEVE INTO PIPE WALL.
2. CURBSTOP TO BE INSTALLED BY CONTRACTOR.
3. ALL FITTINGS IN LATERAL TO BE COMPRESSION TYPE.
4. INSULATED SINGLE STRAND COPPER WIRE SHALL BE STRAPPED TO PIPE AND ATTACHED TO THE CORPORATION AND CURB STOPS.
5. INSTALL PVC PLUG IN ALL CURB STOPS IF WATER SERVICE IS NOT IN USE (NO METER INSTALLED)

NOT TO SCALE
CONTRACTOR TO VERIFY BASED UPON DIMENSIONS OF STRAINER AND WATER METER.

GENERAL NOTES:


2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY PIPE, VALVES, FITTINGS, ACCESSORIES, PRECAST VALVE VAULT AND ALL OTHER WORK AND APPURTENANCES REQUIRED.

3. PRECAST CONCRETE VALVE VAULT TO BE IN ACCORDANCE WITH ASTM C-676. A FACTORY INSTALLED 10MM BITUMINOUS COATING IS REQUIRED.

4. ALL INTERIOR FITTINGS TO BE DUCTILE IRON WITH FLANGED JOINTS. BURNT FITTINGS TO BE DUCTILE IRON WITH MECHANICAL JOINTS UTILIZING MEGA-LUG JOINT RESTRAINTS.

5. TRANSWATER FOR THE WATER METER SHALL BE LOCATED AS DIRECTED BY THE JWSC INSPECTOR.

6. ALUMINUM ACCESS COVER SHALL BE MODEL WJ3636 AS MANUFACTURED BY HALLIDAY PRODUCTS INC. OR APPROVED EQUAL. BEFORE THE VAULT IS DELIVERED TO THE SITE, THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FROM THE VAULT MANUFACTURER FOR REVIEW.

7. THE Y STRAINER SHALL BE MANUFACTURED BY BRICKLEY OR APPROVED EQUAL.
GENERAL NOTES:

DOUBLE CHECK ASSEMBLY SHALL INCLUDE TIGHT CLOSING RESILIENT SEATED SHUTOFF VALVES, TEST COCKS AND STRAINER. THE ASSEMBLY SHALL MEET THE REQUIREMENTS OF ASSE NO. 1015; AWWA C510–92; CSA B64.5 AND UL CLASSIFIED FILE NO. EX3185. ASSEMBLY SHALL BE A WATTS REGULATOR COMPANY SERIES 709 OR APPROVED EQUAL.

ALL ABOVE GROUND FITTINGS TO BE DUCTILE IRON WITH FLANGED JOINTS. BURIED FITTINGS TO BE DUCTILE IRON WITH MECHANICAL JOINTS UTILIZING MEGA–LUG JOINT RESTRAINTS.

ALL ABOVE GROUND DUCTILE IRON PIPING SHALL BE PAINTED WITH AN EXTERIOR GRADE ENAMEL PAINT. COLOR SELECTION IN ACCORDANCE WITH AWWA STANDARDS FOR POTABLE WATER PIPE.

3" SS 304 EYE BOLTS, NUT AND WASHER. TYP.

NOT TO SCALE
GENERAL NOTES:

REDUCED PRESSURE ZONE (RPZ) ASSEMBLY SHALL INCLUDE TIGHT CLOSING RESILIENT SEATED SHUTOFF VALVES, TEST COCKS AND STRAINER. THE ASSEMBLY SHALL MEET THE REQUIREMENTS OF ASSE NO. 1015; AWWA C510–92; CSA B64.5 AND UL CLASSIFIED FILE NO. EX3185. ASSEMBLY SHALL BE A ZURN–WILKINS MODEL 375 OR APPROVED EQUAL.

ALL ABOVE GROUND FITTINGS TO BE DUCTILE IRON WITH FLANGED JOINTS. BURIED FITTINGS TO BE DUCTILE IRON WITH MECHANICAL JOINTS UTILIZING MEGA–LUG JOINT RESTRAINTS.

ALL ABOVE GROUND DUCTILE IRON PIPING SHALL BE PAINTED WITH AN EXTERIOR GRADE ENAMEL PAINT. COLOR SELECTION IN ACCORDANCE WITH AWWA STANDARDS FOR POTABLE WATER PIPE.

\[ \frac{3}{4} \text{" SS 304 EYE BOLTS, NUT AND WASHER, TYP.} \]

304 SS THREADED STEEL ROD W/ NUTS & LOCK WASHER, LENGTH AS REQUIRED (TYP)

REPLACE CENTER FLANGE BOLTS WITH SAME SIZE DIAMETER 316 STAINLESS STEEL ALL TREAD ROD.

NOT TO SCALE
REDUCED PRESSURE ZONE (RPZ) ASSEMBLY
2.5" AND SMALLER

MATERIALS

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<th>QTY.</th>
<th>DESCRIPTION</th>
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<td>1</td>
<td>RPZ ASSEMBLY (ZURN–WILKINS OR EQUAL)</td>
</tr>
<tr>
<td>2</td>
<td>FULL PORT BALL VALVE</td>
</tr>
<tr>
<td>3</td>
<td>90° ELBOW</td>
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<tr>
<td>4</td>
<td>BRASS – HARD COPPER – SCH 80 PVC</td>
</tr>
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</table>

PROVIDE ALL BRASS FITTINGS, NIPPLES, COUPLINGS, ETC. REQUIRED FOR THE COMPLETE INSTALLATION. FOR INSTALLATIONS LOCATED IN OR NEAR PARKING LOTS AND DRIVEWAYS, STEEL PIPE BOLLARDS ARE RECOMMENDED.

NOT TO SCALE

BRUNSWICK–GLYNN COUNTY
JOINT WATER & SEWER
COMMISSION

1703 Gloucester Street
Brunswick, Georgia 31520
Website: www.bgiwsc.org

REDUCED PRESSURE ZONE (RPZ) ASSEMBLY
2.5" AND SMALLER

JWSC STANDARD DETAIL 2-21B

Date: DECEMBER 2017
NOTE:
1. ALL GRADED AGGREGATE MUST COMPLY WITH THE CONTRACT PAVEMENT SPECIFICATIONS.
2. THE GRADED AGGREGATE SHALL BE PLACED IN NO MORE THAN 6" LIFTS AND COMPACTED TO 100% STANDARD PROCTOR (ASTM D698). THE IN-PLACE DENSITY IS TO BE TESTED BY ASTM D2922 OR ASTM D1556.
3. FOR LONGITUDINAL CUTS EXCEEDING 150 LF IN LENGTH, THE GRADED AGGREGATE IN THE TRENCH WILL BE BROUGHT FLUSH WITH THE EXISTING PAVEMENT AND THE ENTIRE WIDTH OF THE ROADWAY RESURFACED WITH A MINIMUM OF 1" OF SP9.5MM ASPHALT OR SURFACE COURSE.
4. FILTER FABRIC MATERIAL SHALL BE EQUAL OR EQUIVALENT TO MIRAFI 140, MANUFACTURED BY FIBER INDUSTRIES, INC.
NOTE:

1. ALL LATERAL STREET CUTS MUST BE COVERED WITH STEEL PLATES OF SUFFICIENT THICKNESS TO SPAN THE CUT WITHOUT NOTICEABLE DEFLECTION. THESE PLATES ARE TO REMAIN IN PLACE UNTIL THE CONCRETE BASE HAS GAINED SUFFICIENT STRENGTH TO WITHSTAND TRAFFIC LOADS (24 HOUR MINIMUM.)

2. ON CUTS EXCEEDING 150 FEET IN LENGTH, THE CONCRETE IN TRENCH WILL BE BROUGHT FLUSH WITH THE EXISTING PAVEMENT. THE EXISTING PAVEMENT SHALL BE SAW CUT TO A STRAIGHT EDGE AND THE ENTIRE WIDTH OF THE ROADWAY RESURFACES WITH A MINIMUM OF 1" OF "TYPE F" ASPHALT TOPPING OR SURFACE COURSE.
CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS FOR THE REMOVAL/REPLACEMENT OF EXISTING TRANSITE PIPING SYSTEM.

CAST IRON COVER (MARKED WATER)

18" SQUARE

FINISH GRADE

2-PIECE SCREW TYPE CAST IRON VALVE BOX

HYMAX 2000 SERIES COUPLING

42" MINIMUM

4"

HYMAX 2000 SERIES COUPLING

BRICK COLLAR

COMPACTED BACKFILL

TRANSITE WATER MAIN

PVC WATER MAIN

PVC WATER MAIN

TRANSITE WATER MAIN

REST ON FIRM UNDISTURBED SOIL*

AS DIRECTED IN THE FIELD

VARIES

PROVIDE CONCRETE SUPPORT

* IF UNSUITABLE MATERIAL IS ENCOUNTERED UNDER VALVE SUPPORT, REMOVE AND REPLACE WITH COMPACTED SOIL.

TRANSITE TO PVC WATER MAIN SPLICE

JWSC STANDARD DETAIL 2-24

Brunswick-Glynn County Joint Water & Sewer Commission

700 Gloucester Street, Suite 300 Phone: (912) 261-7110
Brunswick, Georgia 31520 Fax: (912) 261-7178
Website: www.bgjwsc.org

Date: AUGUST 2011
GENERAL NOTES

WATER METER TO BE PURCHASED FROM THE BRUNSWICK-GLYNN JOINT WATER & SEWER COMMISSION (JWSC). THE OWNER WILL PAY ALL COSTS FOR THE PURCHASE OF THE METER FROM JWSC AS WELL AS ALL ASSOCIATED CONNECTION AND ACCOUNT SET-UP FEES.

CONTRACTOR SHALL BE RESPONSIBLE FOR PICKUP AND DELIVERY OF THE METER FROM JWSC TO THE JOB SITE. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR WATER METER INSTALLATION INCLUDING ALL NECESSARY PIPE, VALVES, FITTINGS, ACCESSORIES, AND ALL OTHER WORK AND APPURTENANCES REQUIRED.

ALL FITTINGS TO BE DUCTILE IRON WITH FLANGED JOINTS. BURIED FITTINGS TO BE DUCTILE IRON WITH MECHANICAL JOINTS UTILIZING MEGA-LUG JOINT RESTRAINTS.

ALL DUCTILE IRON PIPE SHALL BE COATED WITH A BITUMINOUS COATING WITH A MINIMUM THICKNESS OF 2 MILLS OR WRAPPED IN PLASTIC.

TRANSMITTER FOR THE WATER METER SHALL BE LOCATED AS DIRECTED BY THE JWSC INSPECTOR.

BYPASS VALVE WILL REMAIN IN THE CLOSED POSITION AT ALL TIMES.

METER TO BE HOUSED IN A "HOT BOX" ENCLOSURE OR JWSC APPROVED EQUAL. ANCHOR ENCLOSURE WITH RED HEAD INSERTS AND 3/8" BOLTS.

INSTALL A LOCK TYPE TWO-PIECE VALVE BOX ON THE BY-PASS VALVE PER JWSC SPECIFICATION.

ABOVE GRADE WATER METER INSTALLATION DETAIL (3" & LARGER)

JWSC STANDARD DETAIL 2-25

Date: JANUARY 2016

BRUNSWICK-GLYNN COUNTY
JOINT WATER & SEWER COMMISSION

1703 Gloucester Street
Brunswick, Georgia 31520
Phone: (912) 261-7110
Fax: (912) 261-7178
Website: www.bgiwsc.org
CAST IRON WATER METER BOX
BOX DIMENSIONS – 14"x19"x12"
(MARKED WATER)

CONCRETE COLLAR,
2500 P.S.I.

45° ELBOW – COPPER
OR BRASS

8 TO 12 INCHES OF WIRE
PLUG

FINISH GRADE

#2 HARD COPPER OR
BRASS PIPE

#2 VALVE WITH SQUARE
OPERATING NUT

PACK JOINT

BRASS OR HARD COPPER NIPPLE
THREADED ON ONE END

STANDARD 2-PIECE
C.I. VALVE BOX

BRICK

TRACER WIRE

GENERAL NOTES:

1. THIS INSTALLATION IS TO BE MADE AT THE END
   OF DEAD END LINES AND SHALL BE LOCATED
   OUTSIDE OF THE TRAFFIC AREAS.

2. PRIOR TO INSTALLATION OF CONCRETE COLLAR,
   THE FLUSHER SHALL BE TESTED TO ENSURE THE FLOW
   CLEARS THE EDGE OF THE BOX.

NOT TO SCALE

FLUSH VALVE AND RISER DETAIL

JWSC STANDARD DETAIL 2-27

Date: APRIL 2018