

15-159431

**HOLD HARMLESS AGREEMENT FOR WORK  
PERFORMED WITHIN THE STATE RIGHT-OF-WAY**

THIS HOLD HARMLESS AGREEMENT (Agreement), is entered into this 20<sup>th</sup> day of November, 2015 by and between the **CITY OF DELRAY BEACH, FLORIDA**, (hereinafter referred to as "CITY") and SRD Building Corp., (hereinafter referred to as "DEVELOPER").

**WITNESSETH:**

**WHEREAS**, **DEVELOPER** wishes to install/construct utilities in the right-of-way of the State of Florida; and

**WHEREAS**, the **CITY** is required to sign the permit on behalf of the **DEVELOPER** to allow the installation/construction to take place in the State right-of-way; and

**WHEREAS**, the **CITY** is required to indemnify and hold harmless the State for the work performed by **DEVELOPER** in the State right-of-way; and

**WHEREAS**, this Agreement shall provide that **DEVELOPER** shall hold harmless and defend the **CITY** and the State for the work performed in the State right-of-way by the **DEVELOPER**, its contractor or agent.

**NOW, THEREFORE**, for the mutual covenants and matters set forth herein, as of the date set forth above, the parties hereby agree as follows:

1. The recitations set forth above are incorporated herein.
2. **DEVELOPER** shall at all times hereafter indemnify, hold harmless, and at the **CITY'S** option, defend or pay for an attorney selected by the City Attorney to defend **CITY**, its officers, agents, servants, and employees from and against any and all causes of action, demands, claims, losses, liabilities and expenditures of any kind, including attorney fees, court costs, and expenses, caused or alleged to be caused by any intentional or negligent act of, or omission of,

**DEVELOPER**, its employees, agents, servants, or officers, or accruing, resulting from, or related to the subject matter of this Agreement including, without limitation, any and all claims, losses, liabilities, expenditures, demands or causes of action of any nature whatsoever resulting from injuries or damages sustained by any person or property. In the event any lawsuit or other proceeding is brought against **CITY** by reason of any such claim, cause of action or demand, **DEVELOPER** shall, upon written notice from **CITY**, resist and defend such lawsuit or proceeding by counsel satisfactory to **CITY** or, at **CITY'S** option, pay for an attorney selected by City Attorney to defend **CITY**. The provisions and obligations of this section shall survive the expiration or earlier termination of this Agreement.

3. **DEVELOPER** warrants and guarantees to the **CITY** that all work on the utility improvement shall be constructed in accordance with the applicable codes of the City of Delray Beach and the State of Florida. The **DEVELOPER'S** warranty and guarantee shall remain in effect for one year from the date of final acceptance. Unremedied defects identified for correction during the warranty/guarantee period but remaining after its expiration shall be considered as part of the obligations of the guarantee and warranty. Defects in the installation or construction of the utility improvement, which are remedied as a result of obligations of the warranty/guarantee shall subject the remedied portion of the work to an extended warranty/guarantee period of one year after the defect has been remedied. **DEVELOPER** shall deliver this agreement to its Surety. The Surety shall be bound with and for the **DEVELOPER** in the **DEVELOPER'S** faithful observance of the guarantee.

4. **DEVELOPER**, shall supervise and direct the installation and construction of the utility improvement, applying such skills and expertise as may be necessary to perform the work in accordance with the approved engineering plans. **DEVELOPER** shall be solely responsible

for the means, methods, techniques, sequences and procedures of the construction and installation of the utility improvement.

5. **DEVELOPER** agrees to include the following terms in any contract entered into between **DEVELOPER** and any contractor selected by **DEVELOPER** to perform any work required by this Agreement: (i) The contractor agrees to protect, defend, indemnify, and hold harmless the City of Delray Beach, its officers, employees, and agents from and against any and all lawsuits, penalties, damages, settlements, judgments, decrees, costs, charges, and other expenses or liabilities of every kind, including court costs, reasonable attorney's fees, at both the trial and appellate levels in connection with or arising directly out of the work agreed to be performed herein, to the extent caused by the negligence, recklessness, or intentional wrongful misconduct of contractor, its employees, servants, agents, and subcontractors. Without limiting the foregoing, any and all such claims, suits, etc., relating to personal injury, death, damage to property, defects in materials or workmanship, actual or alleged infringement of any patent, trademark, copyright or of any other tangible or intangible personal or property right, or any actual or alleged violation of any applicable statute, ordinance, administrative order, rule or regulation or decree of any court, is included in the indemnity. Contractor further agrees to investigate, handle, respond to, provide defense for, and defend any such claims, etc., at his sole expense and agrees to bear all other costs and expenses related thereto, even if the claim(s) is groundless, false, or fraudulent., and (ii) The parties recognize that various provisions of this agreement, including but not necessarily limited to this Section, provide for indemnification by the contractor and that Section 725.06, Florida Statutes, requires a specific consideration be given thereof. The parties therefore agree that the sum of Ten Dollars and 00/100 (\$10.00), receipt of which is hereby acknowledged, is the specific consideration for such indemnities, and the providing of such indemnities is deemed to be part of the specifications with respect to the



services to be provided by contractor. Furthermore, the parties understand and agree that the covenants and representations relating to this indemnification provision shall survive the term of this Agreement and continue in full force and effect as to the party's responsibility to indemnify.

6. Any claims, lawsuits or disputes that may arise under this Agreement shall be governed by the Laws of Florida, with venue in Palm Beach County, Florida.

7. This Agreement constitutes the entire agreement and understanding of the parties, as it pertains to the construction or installation of the utility. There are no representations or understandings of any kind not set forth herein. Any amendments to this Agreement must be in writing and executed by both parties.

8. **DEVELOPER** or its contractor shall maintain worker's compensation insurance in an amount required by law and general liability insurance in the amount of one million dollars (\$1,000,000.00) governing bodily injury and property damage in standard form, insuring **CITY** and the State as additional named insureds. **DEVELOPER** or its contractor shall provide this information to the **CITY** on a Certificate of Insurance, that is acceptable to the **CITY**, prior to commencing installation or construction.

9. The **CITY** hereby reserves the right to enforce this Agreement by pursuing any and all remedies provided by law or in equity. All of the remedies available to the **CITY** shall be cumulative, and the **CITY'S** election to pursue any remedy shall not preclude the **CITY** for then or later pursuing any one or more other remedies.

10. **DEVELOPER** shall be bound by all the terms and conditions found in the **Utility Permit Agreement** between the **CITY** and the State for this project and attached hereto as **Exhibit "A"**.

11. This agreement shall not be valid unless signed by the City's Mayor and City Clerk.

IN WITNESS WHEREOF, the parties hereto have entered into this agreement the day and year first written above.

ATTEST:

CITY OF DELRAY BEACH, FLORIDA

By: \_\_\_\_\_  
City Clerk


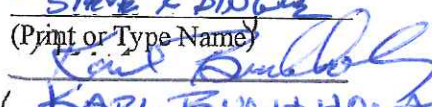
By: \_\_\_\_\_  
Cary Glickstein, Mayor


Approved as to Form:

By: \_\_\_\_\_  
City Attorney

WITNESSES

DEVELOPER

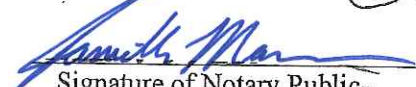
  
\_\_\_\_\_  
STEVE R. DINGLE  
(Print or Type Name)  
  
\_\_\_\_\_  
KARL BUCHHOLZ  
(Print or Type Name)

  
\_\_\_\_\_  
By: Scott R. Dingle, President  
SRD Building Corp.  
(Print or Type Name)  
Address: 21 S.E. 5th St, #101  
Boca Raton, FL 33432  
Phone: 561-395-2150

STATE OF FLORIDA  
COUNTY OF PALM BEACH

The foregoing instrument was acknowledged before me this 20<sup>th</sup> day of November, 2015, by Scott R. Dingle, President (name of officer or agent, title of officer or agent) of SRD Building Corp. (name of corporation acknowledging), a Boca Raton, FL (state or place of incorporation) corporation, on behalf of the corporation. He/She is personally known to me or has produced \_\_\_\_\_ (type of identification) as identification and did (did not) take an oath.



  
\_\_\_\_\_  
Signature of Notary Public-  
State of Florida



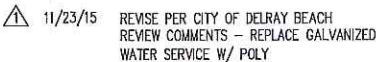
IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY ALL EXISTING UTILITIES FOR FIELD LOCATION OF UNDERGROUND UTILITIES PRIOR TO ANY CONSTRUCTION ACTIVITIES.

Douglas G. Winter  
Florida P.E. #35553

**CUSTOM RESIDENCE  
7717 SOUTH OCEAN BLVD.  
DELRAY BEACH, FL.**

Sheet

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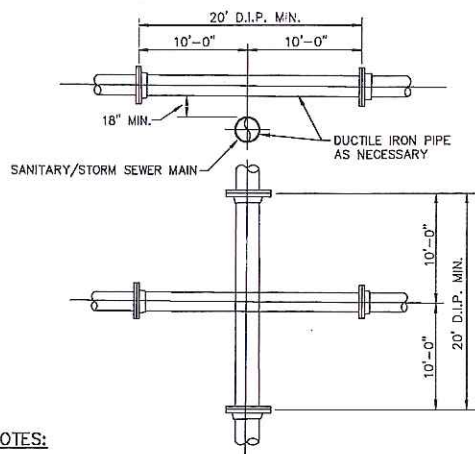


- NOTE: EXIST. UTILITIES FIELD VERIFIED

**NOTES:**

1. REFER TO ARCHITECT AND LANDSCAPE PLAN FOR MORE INFORMATION ON SITE PLAN. LOT IMPERVIOUS IS LESS THAN 50%.
2. NO PROPOSED IMPROVEMENTS, BUILDINGS OR ANY KIND OF CONSTRUCTION CAN BE PLACED ON OR WITHIN ANY WATER, SEWER, UTILITY OR DRAINAGE EASEMENTS, UNLESS APPROVED BY THE CITY OF DELRAY BEACH CITY ENGINEER.
3. NO PROPOSED STRUCTURES SHALL BE INSTALLED WITHIN A HORIZONTAL DISTANCE OF 10- FEET FROM ANY EXISTING OR PROPOSED WATER, SEWER OR DRAINAGE FACILITIES, UNLESS APPROVED BY THE CITY OF DELRAY BEACH CITY ENGINEER.
4. NO LANDSCAPING SHALL BE PLANTED OVER ANY EXISTATION.
5. SITE WALLS ARE PROPOSED ON THE NORTH AND SOUTH PROPERTY LINE TO PREVENT ANY WATER FROM FLOWING OFF PROPOSED SITE.

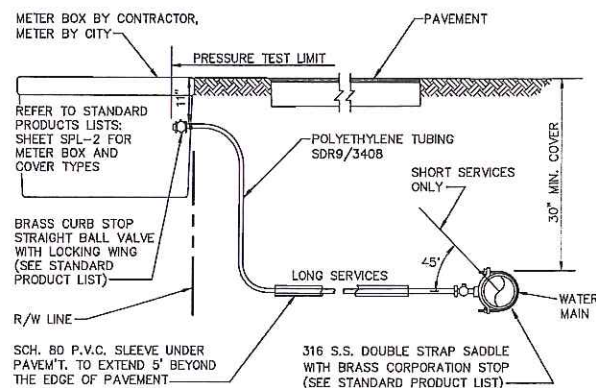




#### NOTES:

1. STORM AND SANITARY SEWERS CROSSING UNDER WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE INVERT OF THE UPPER PIPE AND THE CROWN OF THE LOWER PIPE. WHERE THIS MINIMUM SEPARATION CANNOT BE MAINTAINED, THE CROSSING SHALL BE ARRANGED SO THAT THE SEWER PIPE JOINTS AND WATER MAIN JOINTS ARE EQUIDISTANT FROM POINT OF CROSSING WITH NO LESS THAN (10) FEET BETWEEN ANY TWO JOINTS AND BOTH PIPES SHALL BE D.I.P. WHERE THERE IS NO ALTERNATIVE TO SEWER PIPES CROSSING OVER A WATER MAIN, THE CRITERIA FOR MINIMUM SEPARATION BETWEEN LINES AND JOINTS IN THE ABOVE SHALL BE REQUIRED AND BOTH PIPES SHALL BE CLASS 52 D.I.P. IRRESPECTIVE OF SEPARATION. D.I.P. IS NOT REQUIRED FOR STORM SEWERS.
2. MAINTAIN (10) FEET HORIZONTAL DISTANCE BETWEEN WATER MAIN AND STORM OR SANITARY SEWER MAIN, AS A MINIMUM.
3. FORCE MAIN CROSSING WATER MAIN SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE OUTSIDE OF THE FORCE MAIN AND THE OUTSIDE OF THE WATER MAIN WITH WATER MAIN CROSSING OVER FORCE MAIN.
4. SEWER SERVICE LATERALS SHALL CROSS UNDER WATERMAINS WITH A MINIMUM VERTICAL SEPARATION OF EIGHTEEN (18) INCHES. IF EIGHTEEN (18) INCHES VERTICAL SEPARATION CANNOT BE MAINTAINED, THEN THE WATERMAIN SHALL BE D.I.P. AND THE SANITARY LATERAL C-900 SDR18 OR BETTER AND THE MINIMUM SEPARATION SHALL BE SIX (6) INCHES.
5. WHEN IT IS NOT POSSIBLE FOR THE WATER MAIN TO CROSS OVER THE SEWER SERVICE LATERAL A MINIMUM VERTICAL SEPARATION OF AT LEAST TWELVE (12) INCHES MUST BE MAINTAINED. THE WATERMAIN SHALL BE D.I.P. AND THE SEWER LATERAL SHALL BE C-900 SDR-18 OR BETTER.

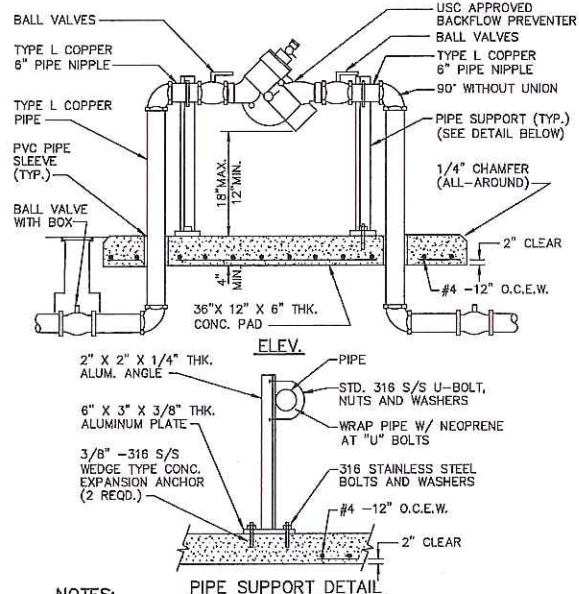
WATER MAIN & SEWER CONFLICT DETAIL PW 2.1



#### NOTES:

1. SUCCESSIVE TAPS INTO THE WATER MAIN SHALL BE SPACED A MINIMUM OF 18" ON CENTER.
2. SERVICE LINES SHALL NOT BE PLACED UNDER DRIVEWAYS.
3. ALL METERS REQUIRE A LOCKING BRASS CURB STOP WITH LOCK WING (1" MIN.).
4. NO FITTINGS BETWEEN CORPORATION STOP AND BRANCH ASSEMBLY.
5. MAXIMUM SERVICE LENGTH IS 100' TO METER.
6. CASING PIPE I.D. SHALL BE SERVICE O.D. PLUS 1" MINIMUM.
7. MINIMUM BEND RADIUS ON SERVICES SHALL BE 14". ON ALL SERVICES BEHIND METER.
8. METER SIZE WILL BE DETERMINED BY PUBLIC UTILITIES DEPT. UPON APPLICATION FOR SERVICE.
9. ALL VALVES TO BE BALL VALVES.
10. METER BOX SHALL BE PROVIDED AND INSTALLED BY CONTRACTOR.

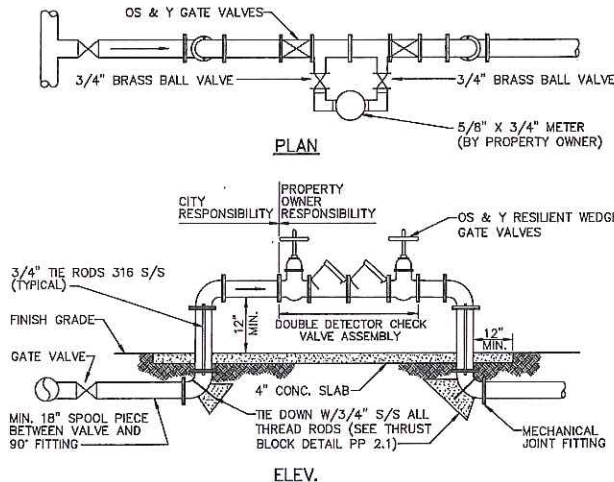
TYPICAL SERVICE CONNECTION DETAIL PW 9.1



#### NOTES:

1. ABOVE GRADE PIPING SHALL BE BRASS OR TYPE "L" COPPER TUBING.
2. ALL COPPER JOINTS SHALL BE MADE WITH 95/5 SOLDER.
3. RPZ BACKFLOW PREVENTER IS REQUIRED IN ACCORDANCE WITH CITY OF DELRAY BEACH CODE OF ORDINANCES TITLE V, CHAPTER 52.80.

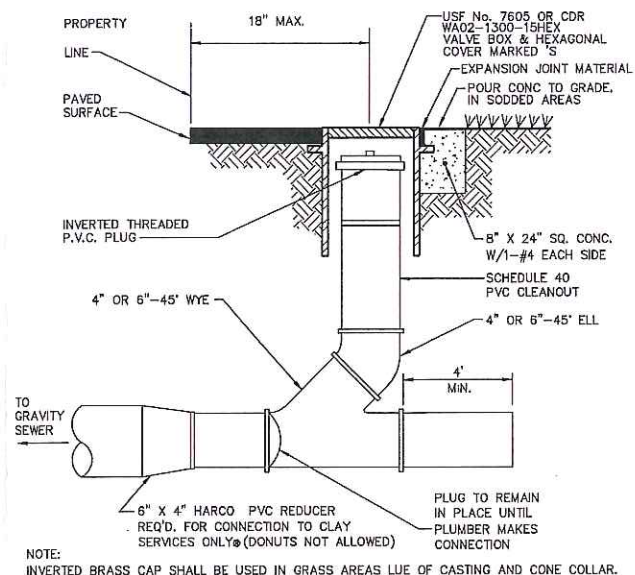
REDUCED PRESSURE ZONE BACKFLOW PREVENTER PW 10.2



#### NOTES:

1. ALL PIPE AND FITTINGS SHALL BE CLASS 52 DUCTILE IRON CEMENT LINED WITH CEMENT LINED DUCTILE IRON FLANGE FITTINGS FOR ABOVE GROUND USE. MECHANICAL JOINT SHALL BE USED UNDERGROUND IN ACCORDANCE WITH AWWA STANDARDS.
2. THE DOUBLE DETECTOR CHECK VALVE ASSEMBLY SHALL MEET AWWA C511-89, AND APPROVAL OF ENVIRONMENTAL SERVICES DEPARTMENT.
3. CERTIFICATION OF PROPER INSTALLATION AND OPERATION WILL BE REQUIRED FROM A CERTIFIED BACKFLOW PREVENTION TECHNICIAN PRIOR TO WATER MAIN ACCEPTANCE BY THE CITY OF DELRAY BEACH.
4. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR THE PROPER OPERATION, MAINTENANCE AND TESTING OF THE DOUBLE DETECTOR CHECK VALVE ASSEMBLY.
5. BOLLARDS TO BE USED IF THE ASSEMBLY IS WITHIN 5' OF THE PAVEMENT, REFER TO BOLLARD DETAIL PW 5.2.

DOUBLE DETECTOR CHECK VALVE DETAIL PW 10.1

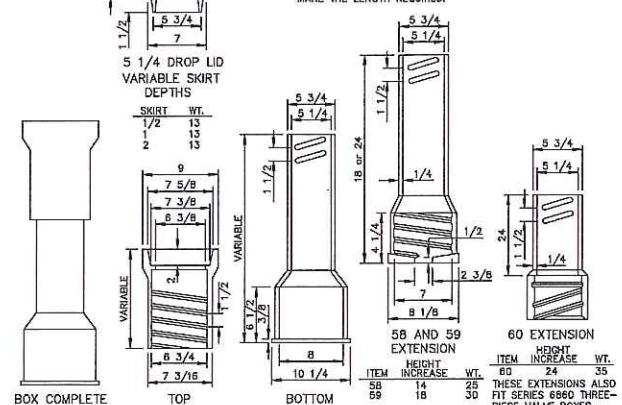


NOTE: INVERTED BRASS CAP SHALL BE USED IN GRASS AREAS LUE OF CASTING AND CONE COLLAR.

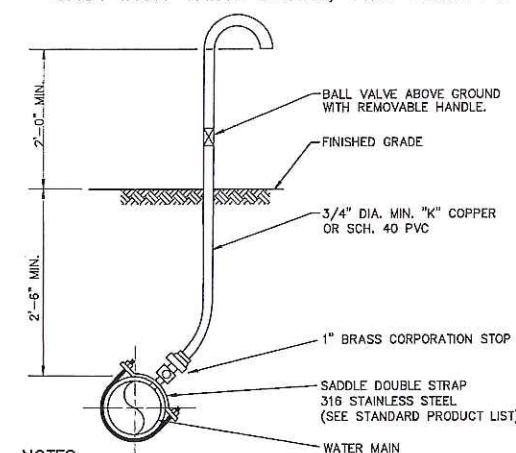
TYPICAL CLEANOUT DETAIL WW 5.1

ITEM	BOX COMPLETE EXTENSION IN INCHES	WT.	TOP SECTION W/LD LENGTH	WT.	BOTTOM LENGTH	WT.	PIECES PER PKG.
461-S	19-22	60	10	35	15	25	..
462-S	27-32	70	10	35	24	35	..
562-S	27-37	80	18	45	24	35	20
563-S	33-43	85	18	45	30	40	20
664-S	39-50	90	16	45	38	45	20
665-S	36-52	105	28	65	30	40	20
666-S	39-60	110	28	65	36	45	20
666-S	61-71	135	28	65	**48	70	20
668-S	62-82	145	28	65	**60	80	20

\*\*MAY BE FURNISHED IN TWO PIECES SCREWED TOGETHER TO MAKE THE LENGTH REQUIRED.



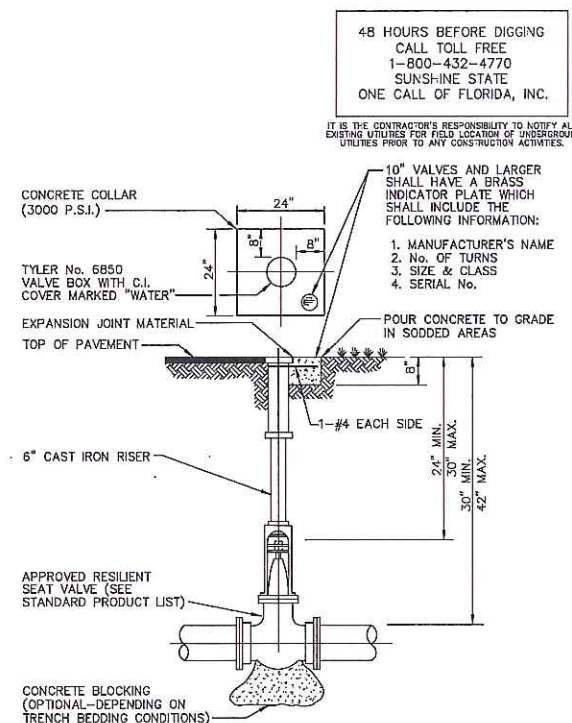
CAST IRON VALVE BOXES, TWO-PIECE PW 3.2



#### NOTES:

1. SAMPLE POINT SHOULD BE AT SERVICE LINE OR FIRE HYDRANT IF POSSIBLE.
2. IF SAMPLE POINT IS NOT AT SERVICE LINE OR FIRE HYDRANT, CORP. STOP SHALL BE SHUT OFF AT MAIN AND ALL TUBING SHALL BE REMOVED, AFTER SATISFACTORY BACTERIOLOGICAL TESTING.
3. IF AT ALL POSSIBLE SAMPLE POINT SHALL NOT BE LOCATED IN A TRAFFIC AREA.

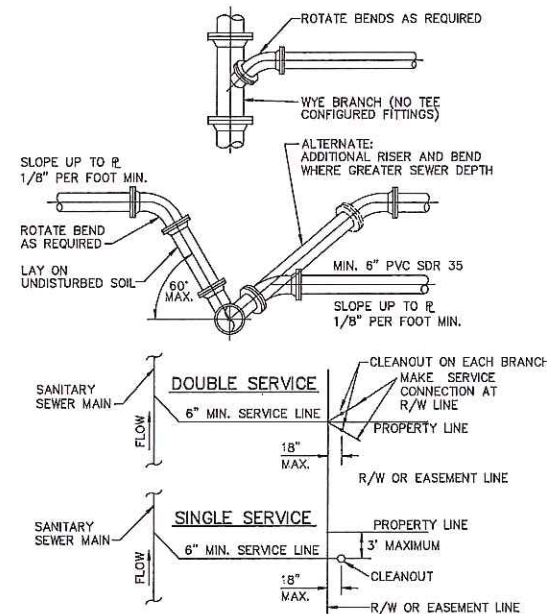
TYPICAL SAMPLE POINT PW 7.1



#### NOTES:

1. CONCRETE COLLAR IS NOT REQUIRED IN PAVED AREAS
2. WHEN VALVE IS DEEPER THAN 30" AN EXTENSION WITH UNIVERSAL JOINT SHALL BE REQUIRED TO BRING OPERATING NUT 24"-30" BELOW FINISHED GRADE. EXTENSION BOLTS & NUTS SHALL BE 316 STAINLESS STEEL. A 316 STAINLESS STEEL CENTERING PLATE SHALL ALSO BE REQUIRED.
3. AT DEAD END OR WHERE MAIN LINES CHANGE DIRECTION, VALVES SHALL BE RESTRAINED USING "MEGALUGS", TIERODS, OR OTHER APPROVED RESTRAINT.

TYPICAL GATE VALVE DETAIL  
4" THRU 12" PW 3.1



#### NOTE:

1. SERVICE LATERALS SHALL TERMINATE INSIDE P LAY AT A DEPTH OF 3 FEET. WITH CLEANOUT AND MARKED WITH A 2" X 4" TREATED STAKE.
2. CLEANOUT INSTALLATION SHALL BE PROPERTY OWNERS RESPONSIBILITY AND SHALL BE INSTALLED BY LICENSED PLUMBER.

SEWER SERVICE CONNECTIONS DETAIL WW 4.1

**Doug Winter Companies, Inc.**  
Certificate of Authorization #0001  
4047 Oklawaha Blvd., Suite 222  
West Palm Beach, FL 33409  
Ph: (561) 471-9863 Fax: (561) 471-8075  
City of Delray Beach, Florida  
City of Delray Beach, Florida

Drawn by: J. W. Winter  
Printed by: J. W. Winter

WATER AND SEWER DETAILS

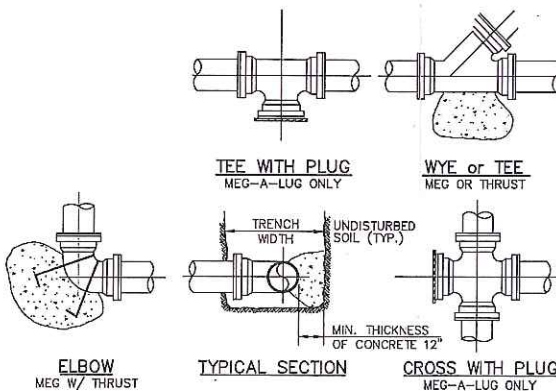
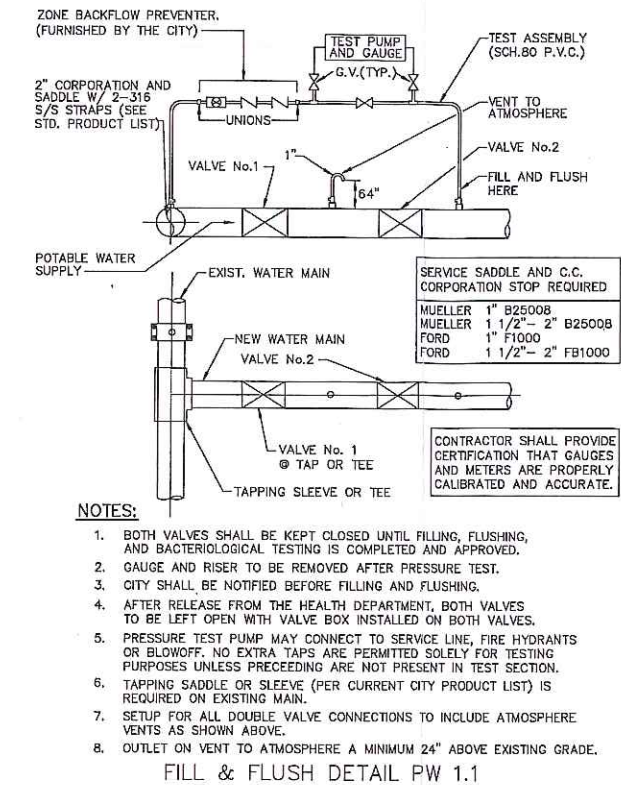
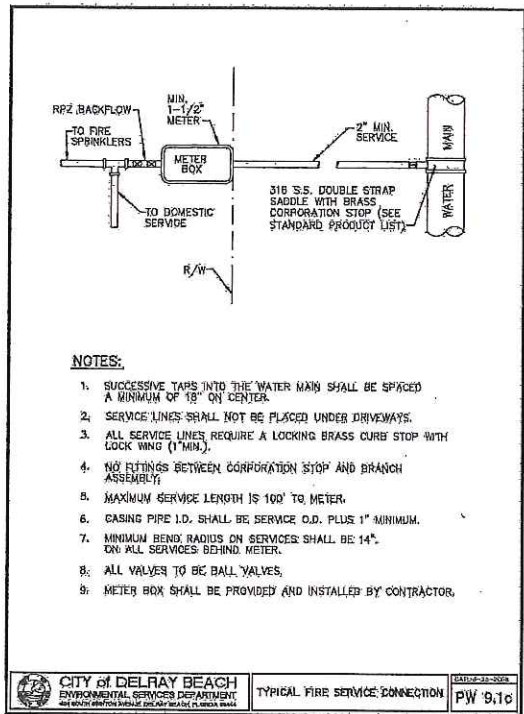
CUSTOM RESIDENCE  
717 SOUTH OCEAN BLVD.  
DELRAY BEACH, FL.

DRAWN BY	KD
CHKD BY	DW
DATE	08/20/15
SCALE	AS SHOWN
JOB #	13-3290

Sheet

WS-2





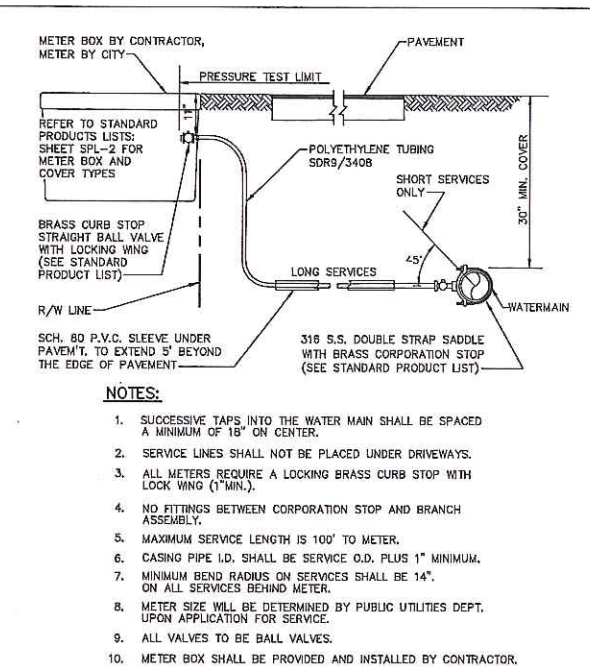
PIPE DIA. (Inches)	90° ELBOW CONC.(cu.ft.)	45° ELBOW CONC.(cu.ft.)	22 1/2° ELBOW CONC.(cu.ft.)	11 1/4° ELBOW CONC.(cu.ft.)	WYES CONC.(cu.ft.)	TEES CONC.(cu.ft.)	PLUGS CONC.(cu.ft.)
2"	0.5	0.5	0.5	0.5	0.5	0.5	0.5
3"	1.0	1.0	1.0	1.0	1.0	1.0	1.0
4"	1.2	1.0	1.0	1.0	1.0	1.0	1.0
6"	2.6	1.4	1.0	1.0	1.0	1.0	1.0
8"	4.6	2.5	1.3	1.0	3.3	3.3	3.3
10"	7.3	3.9	2.0	1.0	5.9	5.9	5.9
12"	10.0	5.7	2.9	1.5	7.7	7.7	7.7
14"	14.2	7.7	3.9	2.0	10.0	10.0	10.0
16"	18.5	10.0	5.6	2.6	13.4	13.4	13.4
18"	23.4	12.7	6.5	3.3	16.6	16.6	16.6
20"	28.8	15.6	8.0	4.7	20.0	20.0	20.0
24"	41.7	22.3	10.2	5.9	29.0	29.0	29.0

- THRUST BLOCKS SHALL BE FORMED AND POURED AGAINST UNDISTURBED SOIL. KEEP "T" BOLTS CLEAR OF CONCRETE, WRAPPED IN 6 MIL VINYL PLASTIC PROTECTOR FOR FUTURE ACCESS WITH A MINIMUM OF 1" CONCRETE THICKNESS BETWEEN THE FITTING AND SOIL.
- BEFORE POURING, PLUGS SHALL BE WRAPPED WITH VISQUEEN AND A BOARD PLACED IN FRONT.
- CONCRETE SHALL BE 2500 P.S.I. MINIMUM.

**TYPICAL JOINT RESTRAINING DETAIL FOR PRESSURE PIPE**  
DETAIL PP 2.1

**NOTE:**  
ALL WATER MAIN, INCLUDING FITTINGS, REGARDLESS OF SIZE OR MATERIAL SHALL BE COLOR CODED OR MARKED USING BLUE AS THE PREDOMINANT COLOR. PIPE STRIPED DURING MANUFACTURING OF THE PIPE SHALL HAVE BLUE STRIPES THAT RUN PARALLEL TO THE AXIS OF THE PIPE AND LOCATED AT NO GREATER THAN 90-DEGREE INTERVALS AROUND THE PIPE, AND WILL REMAIN INTACT DURING AND AFTER INSTALLATION OF THE PIPE. IT TAPE OR PAINT IS USED TO STRIPE PIPE DURING INSTALLATION OF THE PIPE, THE TAPE OR PAINT SHALL BE APPLIED IN A CONTINUOUS LINE THAT RUNS PARALLEL TO THE AXIS OF THE PIPE AND THAT IS LOCATED ALONG THE TOP OF THE PIPE.

**WATER MAIN COLOR CODING**



**GRAVITY SEWER NOTES**

- MANHOLES SHALL BE INSPECTED BY THE ENGINEER BEFORE PLACEMENT AND SURFACE TREATMENT.
- ALL OPENINGS IN PRECAST MANHOLES SHALL BE CAST AT TIME OF MANUFACTURE. CONNECTIONS TO EXISTING MANHOLES SHALL BE CORE ENTRY ONLY.
- ALL MANHOLES SHALL BE SET PLUMB TO LINE AND GRADE.
- (PVC) GRAVITY SEWER PIPE SHALL CONFORM TO ASTM D 3034, SDR 35, LATEST REVISIONS, WITH PUSH ON RUBBER GASKET JOINTS.
- (DIP) GRAVITY SEWER PIPE SHALL BE CLASS 350, EPOXY LINED OR AS OTHERWISE APPROVED BY ENVIRONMENTAL SERVICES DEPARTMENT.
- NO SERVICE CONNECTIONS, WYES, SERVICES OR VALVES WILL BE PERMITTED IN RESIDENTIAL DRIVEWAYS.
- MANHOLE FRAMES SHALL BE ATTACHED TO THE PRECAST STRUCTURE WITH A MINIMUM OF TWO 3/4" 316 STAINLESS STEEL BOLTS, NUTS AND WASHERS. FRAMES SHALL BE SEALED WITH A MINIMUM OF TWO 1/2" BEADS OF RAM-NEK CAULKING.
- TRENCHES SHALL BE DE-WATERED TO ENABLE PIPE AND APPURTENANCES TO BE INSTALLED FREE OF WATER ON UNDISTURBED SOIL. IF UNSUITABLE SUBSURFACE MATERIAL IS ENCOUNTERED, EXCAVATE EXTRA 6" AND BACKFILL WITH 3/4" GRAVEL.
- PVC SHALL BE LAID IN STRICT CONFORMANCE TO MANUFACTURER'S SPEC (JOHNS MANVILLE RING TITE PVC PIPE INSTALLATION GUIDE OR EQUAL). BACKFILLING OF UTILITY TRENCHES WILL NOT BE ALLOWED UNTIL INSPECTED BY THE ENGINEER.
- BACKFILL MATERIAL FOR SEWER MAIN AND LINES SHALL BE NON-COHESIVE, NON PLASTIC MATERIAL FREE OF ALL DEBRIS, LUMPS AND ORGANIC MATTER. BACKFILL MATERIAL PLACED WITHIN ONE (1) FOOT OF PIPING AND APPURTENANCES SHALL NOT CONTAIN ANY STONES LARGER THAN TWO (2) INCHES IN DIAMETER (1" FOR PVC PIPE) AND NO STONES LARGER THAN SIX (6) INCHES IN DIAMETER WILL BE PERMITTED IN ANY BACKFILL.
- ALL EXCAVATION IN EXISTING RIGHT OF WAY SHALL BE BACKFILLED AND STABILIZED AT THE END OF EACH DAY TO PERMIT PEDESTRIAN AND VEHICULAR TRAFFIC PRIOR TO THE CONTRACTOR LEAVING THE SITE.
- WHERE SEWER IS NOT WITHIN PUBLIC R/W, IT IS TO BE LOCATED IN A 12' UTILITY EASEMENT. CITY MAINTENANCE RESPONSIBILITY IS MANHOLE TO MANHOLE ONLY.
- UPON COMPLETION OF THE WORK AND PRIOR TO PLACEMENT OF ASPHALT A VISUAL INSPECTION BY THE ENGINEER SHALL BE MADE OF THE COMPLETED SYSTEM ALONG WITH A LOW PRESSURE AIR TEST, AFTER ROCK BASE FINISHED & PRIMED, OR 1ST LIFT OF ASPHALT PLACED. AFTER ALL OTHER TESTING HAS BEEN COMPLETED, A CD VIDEO RECORDING SHALL BE MADE BY THE CONTRACTOR AND APPROVED BY THE ENGINEER, BEFORE THE LENGTHS ARE ACCEPTED FOR MAINTENANCE.
- EACH LINE SEGMENT SHALL BE LAMPED TO DETERMINE PROPER ROUNDNESS.
- COMPLETE "AS BUILT" INFORMATION RELATIVE TO MANHOLES, VALVES, SERVICES FITTINGS, PIPE LENGTHS, INVERTS AND SLOPES SHALL BE ACCURATELY RECORDED & SUBMITTED TO THE ENGINEER CITY SIGNED AND SEALED BY A REGISTERED LAND SURVEYOR.
- AT THE END OF THE ONE (1) YEAR WARRANTY PERIOD THE DEVELOPER/CONTRACTOR WILL T.V. INSPECT, AIR TEST EVERY JOINT, AND CHECK MANHOLE JOINTS AND CONNECTIONS TO DETERMINE IF REPAIRS ARE NECESSARY BEFORE THE WARRANTY BOND IS RELEASED.

**GRAVITY SEWER NOTES WW 1.1**

48 HOURS BEFORE DIGGING  
CALL TOLL FREE  
1-800-432-4770  
SUNSHINE STATE  
ONE CALL OF FLORIDA, INC.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY ALL EXISTING UTILITIES FOR FIELD LOCATION OF UNDERGROUND UTILITIES PRIOR TO ANY CONSTRUCTION ACTIVITIES.

**Doug Winter Companies, Inc.**  
Certificate of Authorization #001  
4947 Kraschok Blvd, Suite 222  
West Palm Beach, FL 33409  
Tel: (561) 471-2663 Fax: (561) 471-0075

**WATER AND SEWER DETAILS**

**CUSTOM RESIDENCE**  
**717 SOUTH OCEAN BLVD.**  
**DELRAY BEACH, FL.**

DRAWN BY	KD
DSGN BY	KD
CHKD BY	OW
DATE	08/20/15
SCALE	AS SHOWN
JOB #	15-3290

**WS-3**