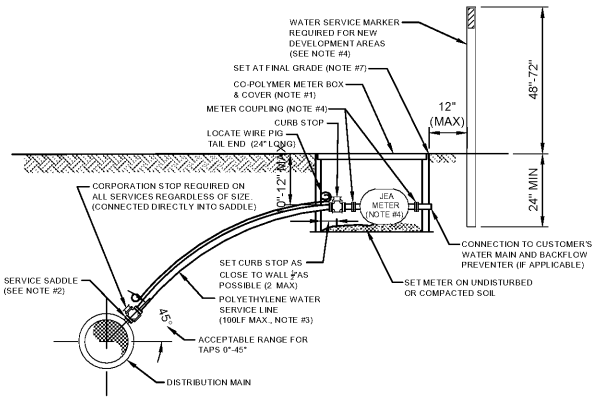


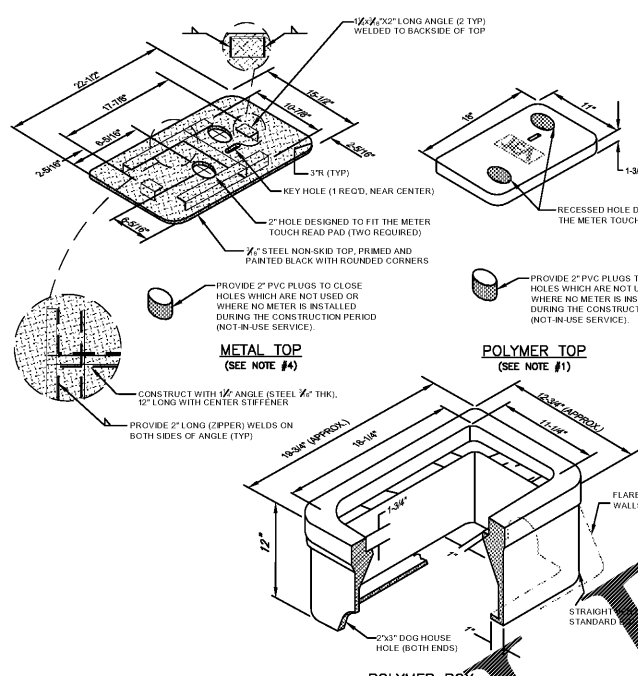
- NOTES:**
- THE SKETCHES ABOVE INDICATE TYPICAL WATER SERVICE AND METER BOX LOCATIONS. ACTUAL LOCATIONS OF BOXES MAY VARY SLIGHTLY ACCORDING TO FIELD CONDITIONS ENCOUNTERED TYPICALLY. THE METER BOX SHALL BE LOCATED INSIDE THE 7' 12" ELECTRIC EASEMENT.
 - UNLESS SPECIFIED OTHERWISE BY THE APPLICABLE COUNTY (NASSAU, CLAY OR ST. JOHNS COUNTY), THE METER BOX SHALL BE LOCATED IN THE JEA 7' 12" UTILITY EASEMENT AND TWO FEET INSIDE OF THE PROGNATION LINE OF THE SIDE PROPERTY LINE. IF A CONFLICT EXISTS WITH OTHER UTILITIES, THE METER BOX MAY BE ADJUSTED TO FOUR FEET (MAX) INSIDE PROPERTY LINES (IN LIEU OF TWO FEET). UNLESS APPROVED OTHERWISE BY JEA, THE WATER METER BOX SHALL BE LOCATED IN NON TRAFFIC AREAS NOT IN SIDEWALK OR DRIVEWAYS. IF THE METER BOX IS APPROVED BY JEA TO BE LOCATED IN A DRIVEWAY OR SIDEWALK, THEN THE CONSTRUCTION SHALL MEET STANDARD DETAIL NUMBERS W384 AT A MINIMUM (SEE W3 AND W4 FOR THE REQUIREMENTS OF SPECIAL COLOR POLY TUBING AND "TOP" COVER). THE METER BOX AT FINISHED GRADE SHALL BE APPROVED OTHERWISE BY JEA. THEN THE CONTRACTOR OR CUSTOMER SHALL BE RESPONSIBLE FOR THE COST OF RELOCATING ANY METER BOX WHICH IS LOCATED IN THE SIDEWALK OR DRIVEWAY OR THE COST TO PROVIDE THE CORRECT METER BOX. JEA SHALL APPROVE ALL DEVIATIONS TO THE ABOVE PRIOR TO CONSTRUCTION.
 - IF DRAINAGE OR OTHER EASEMENT LOCATED BETWEEN LOTS, METER BOXES SHALL BE LOCATED AT THE EASEMENT LINE BUT OUTSIDE THE EASEMENT AREA.
 - FOR SINGLE SERVICES, THE HORIZONTAL DISTANCE (PERPENDICULAR TO THE MAIN) BETWEEN THE SERVICES SADDLE AND THE METER BOX SHALL BE 2 FEET MAXIMUM. FOR DOUBLE 1" SERVICES, THE 2" POLY MAIN SHALL BE LOCATED CENTERED BETWEEN THE TWO METER BOXES. THE LOCATE WIRE IS REQUIRED ON ALL SERVICES 10' OR GREATER IN LENGTH. IF LOCATE WIRE IS REQUIRED, THE WIRE SHALL RUN FROM THE METER BOX (W/ PG TAIL) TO THE MAIN (READ END) SHALL BE TAPED WITH NO CONNECTION TO MAIN WIRE WITH THE LAST 18 INCHES STRIPED OF INSULATION MARKED WITH AS GROUND. ALL EXCEPTIONS TO THIS REQUIREMENT MUST BE APPROVED BY JEA. THIS WILL ASSIST IN LOCATING EXISTING SERVICES LINES IN THE FUTURE.
 - GANG WATER SERVICES: FOR 3 OR 4 SERVICES IN ONE AREA, A DUCTILE IRON PIPE (DIP) WATER MAIN EXTENSION WILL LOCATE WIRE MAY BE UTILIZED ON EITHER SHORT SIDE OR LONG SIDE SERVICES IN ONE AREA. A WATER MAIN EXTENSION WILL LOCATE WIRE MAY BE UTILIZED ON EITHER SHORT SIDE OR LONG SIDE SERVICES WHERE TAPS ARE PASSED AND AT 1 FEET OR GREATER MAIN TO WATER MAIN JOINTS. IF HEADERS ARE USED, THERE SHALL BE 5 OR MORE TAPS ARE CONSTRUCTED. THE HEADER PIPE SHALL BE 4" AT A MINIMUM. EXAMPLE: CONSTRUCT A 4" MAIN PVC CROSSING THE STREET FOR 5 RESIDENTIAL CUSTOMERS, UTILIZING 4" DIP, 1" POLY TUBING SADDLES AND 1" COPR STOPS (NO GLEED TIE FITTING). THE 4" OR LARGER DIP WATER MAIN MUST BE SIZED AND DESIGNED BY THE P.E. ENGINEER.
 - DOUBLE 1" WATER SERVICES IS ALLOWED FOR SHORT SIDE OR LONG SIDE SERVICES AND WHERE SHOWN ON THE DRAWINGS.
 - A 1" IRRIGATION SERVICE MAY BE TAPPED INTO THE (1" MIN) DOMESTIC WATER SERVICE LINE (WHICH SERVES THE SAME CUSTOMER) UTILIZING A 1" BRONZE "Y" FITTING. (IN AREAS WHERE NO RECLAIMED WATER IS AVAILABLE).
 - NO 2" AND SMALLER WATER SERVICE TAPS PERMITTED ON WATER MAINS WHICH ARE 20" AND LARGER SIZE.
 - RECLAIMED WATER SERVICE BOXES OR SERVICES SHALL BE CONSTRUCTED SIMILAR TO THE ABOVE AND SHALL BE LOCATED AT A MIN OF 10' FROM THE POTABLE WATER SERVICE, AND BOX AND NOT ALLOWED IN CONCRETE OR ASPHALT UNLESS APPROVED OTHERWISE BY JEA.
 - SERVICE SIZE SHALL BE SAME AS THE METER SIZE.

**WATER OR RECLAIM SERVICE INSTALLATIONS
2" AND SMALLER METER**
January 2018 PLATE W-1



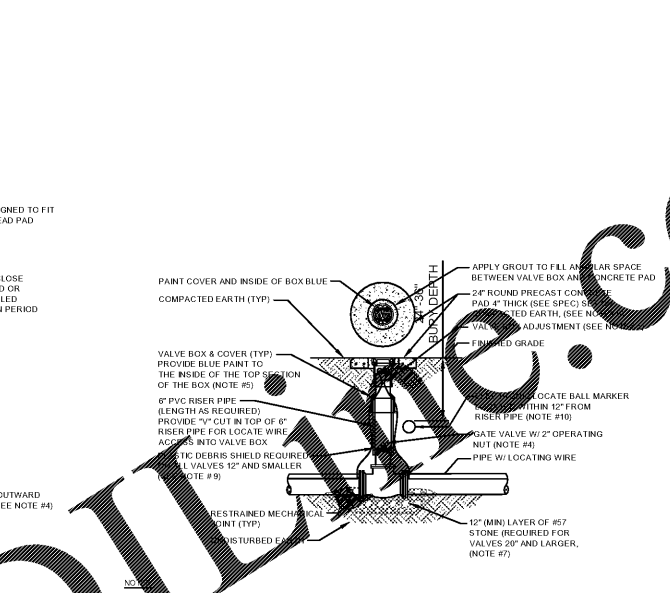
- NOTES:**
- SEE PLATE W-1 FOR METER LOCATION REQUIREMENTS.
 - SINGLE BAND SADDLES SHALL BE UTILIZED ON NEW 1" WATER SERVICES WHICH ARE INSTALLED ON A DRY 10" SIZE OR SMALLER WATER MAIN (NEW WATER MAIN CONSTRUCTION). FOR WET TAPS OR WATER MAINS 12" SIZE AND LARGER, A DOUBLE BAND SADDLE IS REQUIRED. BRASS SADDLES MAY BE UTILIZED ON NEW 1" AND SMALLER WATER SERVICES WHICH ARE INSTALLED ON A DRY 10" OR SMALLER PVC WATER MAIN.
 - NO OPEN CUT UNDER ROADWAY PAVING ALLOWED UNLESS THE ROADWAY IS BEING RECONSTRUCTED OR IF DIRECTED OTHERWISE BY JEA. CONSTRUCT POLY LINE WITH 2" MINIMUM COVER UNDER ROADWAYS. THE POLY WATER SERVICE LINE SHALL BE SAME SIZE AS THE WATER MAIN (MINIMUM) AND BE INSTALLED PERPENDICULAR TO THE MAIN AND NOT EXCEED 100' UNLESS APPROVED OTHERWISE BY JEA.
 - INSTALL PVC PLUG IN ALL CURB STOPS IF WATER SERVICE IS "NOT IN USE" (I.E. IF NO METER IS INSTALLED). WATER SERVICES SERVING ADJACENT LOTS (SERVICE NOT IN USE) SHALL INCLUDE A "W" CUT INTO THE CURB CLOSEST TO THE METER BOX, AND SERVICE IS "NOT IN USE". A LANDSCAPE TIE OR 3/4" DIA. 1" POST (TOP PAINTED BLUE OR PURPLE FOR RECLAIMED WATER). THE REMOVAL OR TRANSFER OF A WATER SERVICE SHALL INCLUDE BRASS METEER COUPLERS (HIX ON BARREL TYPE).
 - NO 2" AND SMALLER WATER SERVICE TAPS PERMITTED ON WATER MAINS WHICH ARE 20" AND LARGER SIZE.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF THE METER OR ELECTRONIC DEVICES IF DAMAGED BY THE CONTRACTOR DURING THE CONSTRUCTION PERIOD.
 - METER BOX AND TOP SHALL BE CLEAR OF ALL DEBRIS TO ALLOW FULL ACCESS TO BOX (I.E. NO DIRT, TRASH OR OTHER DEBRIS PLACED ON TOP OF BOX).
 - LOCATE WIRING REQUIRED ON ALL SERVICES 10' OR GREATER IN LENGTH. SEE PLATE W-4.

WATER SERVICE DETAIL - 2" AND SMALLER METER
January 2018 PLATE W-2



- NOTES:**
- THE STANDARD BOX (A/B (ASTM C857)) LOAD RATING WITH STRAIGHT VERTICAL WALLS & TOP (ASTM C857) RATING WITH 2 HOLES SHALL BE MADE OF POLYMER TOP (SIMILAR TO THE PROFILES SERIES 37 BOX). THE POLYMER TOP SHALL BE FIBERGLASS. THE INSIDE OF THE BOX SHALL BE PAINTED BLUE OR PURPLE. THE ONE HOLE BOX (ONE HOLE) SHALL BE POLYMER TOP ONLY AND REQUIRE JEA'S APPROVAL PRIOR TO USE.
 - ALL SIZES SHOWN ARE IN INCHES AND ARE APPROXIMATE SIZES.
 - POLYMER BOX APPROXIMATE WEIGHT 25 LBS. (TWO HOLES) AND 20 LBS. (ONE HOLE) FOR APPROXIMATE WEIGHT 20 LBS. SEE CONSTRUCTION DETAILS IN COVERS.
 - UNLESS APPROVED OTHERWISE BY JEA, THE METER BOX SHALL BE LOCATED IN NON TRAFFIC AREAS (NOT IN THE ROADWAY, DRIVEWAY OR SIDEWALK). IF AN EXISTING METER BOX IS APPROVED BY JEA, THE FOLLOWING SHALL BE PROVIDED:
 - A) UNDER NO DRIVEWAY OR SIDEWALK, THE METER BOX SHALL BE LOCATED IN A NON TRAFFIC AREA.
 - B) IF AN EXISTING METER BOX IS APPROVED BY JEA, THE METER BOX SHALL BE LOCATED IN A SIDEWALK OR RESIDENTIAL DRIVEWAY SHALL INCLUDE BRASS METEER COUPLERS (HIX ON BARREL TYPE) AND SHALL BE PAINTED BLUE OR PURPLE FOR RECLAIMED WATER.
 - C) METAL TOPS MUST BE UTILIZED IF SPECIFIED AND APPROVED BY JEA. THE METER BOX SHALL BE LOCATED IN A NON TRAFFIC AREA.

WATER METER BOX & COVER FOR 2" AND SMALLER METERS
January 2018 PLATE W-3

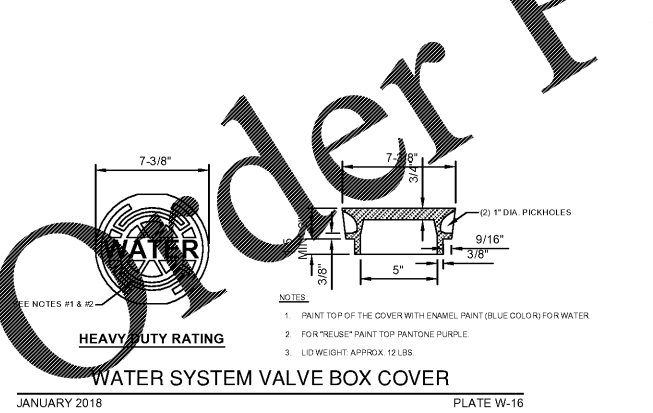


- NOTES:**
- VALVE LOCATIONS: A PRECAST CONCRETE VALVE PAD SHALL BE PROVIDED AND INSTALLED FLUSH WITH GRADE. CONCRETE SHALL BE 4" THICK AND 12" WIDE. VALVE SHALL BE LOCATED IN THE ROADWAY UNLESS SHOWN OR NOTED OTHERWISE.
 - LOCATING WIRE IS REQUIRED ON ALL PRESSURE PIPING (SEE DETAIL W-4).
 - A "Y" CUT SHALL BE CARVED IN THE CURB CLOSE TO ADJACENT ASPHALT (IF NO CURB) TO ALL BELOW GRADE VALVES. THE "Y" CUT IS TO BE PAINTED BLUE FOR WATER SERVICES AND RECLAIMED WATER. THE "Y" CUT SHALL BE 1/2" WIDE AND 1/2" DEEP. THE "Y" CUT SHALL BE 1/2" WIDE AND 1/2" DEEP. THE "Y" CUT SHALL BE 1/2" WIDE AND 1/2" DEEP.
 - IN PAVED AREAS, INSTALL VALVE AT A DEPTH TO ALLOW A 12" MIN. DISTANCE BETWEEN THE VALVE COVER PLATE AND THE TOP OF THE VALVE OPERATING NUT. OUTSIDE OF PAVED AREAS (GRASS), INSTALL VALVE AT A DEPTH TO ALLOW A 6" MINIMUM DISTANCE BETWEEN THE VALVE COVER AND THE TOP OF THE VALVE OPERATING NUT. OPERATING NUTS OR EXTENSION SHALL BE PROVIDED (WHERE APPLICABLE) SO THAT THE OPERATING NUT WILL BE NO MORE THAN 30 INCHES BELOW FINISHED GRADE.
 - FOR NEW CONSTRUCTION, THE VALVE BOX SHALL BE ADJUSTED TO M-DRANGE TO ALLOW FOR FUTURE BOX ADJUSTMENTS. ROUTE LOCATE WIRE THROUGH A "Y" CUT IN THE TOP OF THE 6" PVC RISER PIPE FOR LOCATE WIRE ACCESS INTO VALVE BOX. THE LOCATE WIRES WITH A 24" CON. TAG AT THE TOP SHALL BE CONNECTED TOGETHER WITH A WIRE NUT.
 - BRASS IDENTIFICATION TAG INDICATING VALVE SIZE, DIRECTION AND TURNS TO OPEN A VALVE. TYPE AND PROVIDE A 2" HOLE IN BRASS TAG AND ATTACH TAG WITH 1/8" WIRE AROUND TAG TO THE END OF THE LOCATE WIRE. TAGS ARE NOT REQUIRED ON VALVES INSTALLED ON FREESTANDING BRANCH LINES.
 - IN LIEU OF PRECAST CONCRETE PAD, A 6" THICK X 24" (ROUND OR SQUARE) POURED CONCRETE PAD W/ #2 REBAR AND LAND PERIMETER MAY BE USED.
 - GRAVEL SHALL BE PROVIDED UNDER ALL VALVES 20" AND LARGER. THE MINIMUM VERTICAL LIMIT OF GRAVEL IS 12" UNDER THE VALVE UP TO THE OVERALL HEIGHT OF THE VALVE.
 - FOR VALVES 12" INCH AND SMALLER, PROVIDE A WHITE OR BLACK PLASTIC DEBRIS SHIELD WHICH INSTALLS BELOW THE OPERATING NUT. THIS SHIELD SHALL COVER THE RISER PIPE OVER THE OPERATING NUT AND MANHOLE INFILTRATION SHIELD SHALL BE BY AFC, BOX, OR APPROVED EQUAL.
 - ALL VALVES SHALL BE INSTALLED WITH AN ELECTRIC LOCATE MARKER. MARKER SHALL BE 4" DIA. COLOR CODED BALL MARKER (3M-1400R FOR WATER AND 1400R FOR RECLAIMED WATER).

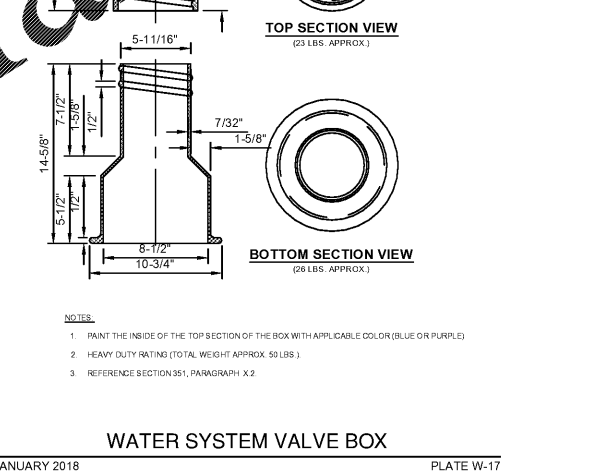
WATER VALVE INSTALLATION DETAIL
January 2018 PLATE W-18

- WATER MAIN AND MIN WATER MAIN SEPARATION REQUIREMENTS - NOTES**
- IT IS REQUIRED THAT WATER MAINS BE INSTALLED, CLEANED, DISINFECTED AND HAVE A SATISFACTORY BACTERIOLOGICAL SURVEY PERFORMED IN ACCORDANCE WITH THE LATEST APPLICABLE AWWA STANDARDS, CHAPTER 69-505, F.A.C. AND LATEST SEA WATER AND SEWER STANDARDS. FOR THE PURPOSE OF THIS SECTION, THE PHRASE "WATER MAINS" SHALL MEAN MAINS, INCLUDING TREATMENT PLANT PROCESS PIPING, CONVEYING EITHER RAW, PARTIALLY TREATED, OR FINISHED DRINKING WATER, FIRE HYDRANT LEADS, AND SERVICE LINES THAT HAVE AN INSIDE DIAMETER OF THREE (3) INCHES OR GREATER. IN ADDITION, THE PHRASE "RECLAIMED WATER" REFERS TO THE WATER REGULATED UNDER PART II OF CHAPTER 69-610, F.A.C.
 - NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE (3) FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED STORM SEWER, STORM WATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER.
 - NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX (6) FEET, AND PREFERABLY TEN (10) FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS MAY BE REDUCED TO THREE (3) FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX (6) INCHES ABOVE THE TOP OF THE SEWER (SPECIAL CASES).
 - NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX (6) INCHES, AND PREFERABLY TWELVE (12) INCHES, ABOVE AT LEAST TWELVE (12) INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
 - NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORM SEWER, OR PIPELINE CONVEYING RECLAIMED WATER, SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST TWELVE (12) INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
 - AT THE UTILITY CROSSINGS DESCRIBED IN NOTES 4 AND 5 ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE (3) FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, STORM WATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER, AND AT LEAST SIX (6) FEET FROM ALL JOINTS IN GRAVITY OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINE CONVEYING RECLAIMED WATER.
 - NEW OR RELOCATED FIRE HYDRANTS SHALL BE LOCATED SO THAT THE HYDRANTS ARE AT LEAST THREE (3) FEET FROM ANY EXISTING OR PROPOSED STORM SEWER, STORM WATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER, AT LEAST THREE (3) FEET, AND PREFERABLY TEN (10) FEET, FROM ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER, AT LEAST SIX (6) FEET, AND PREFERABLY TEN (10) FEET, FROM ANY EXISTING OR PROPOSED GRAVITY OR PRESSURE-TYPE SANITARY SEWER OR WASTEWATER FORCE MAIN.
 - WHERE AN UNDERGROUND WATER MAIN IS BEING LAID LESS THAN THE REQUIRED MINIMUM HORIZONTAL DISTANCE FROM ANOTHER PIPELINE AND WHERE AN UNDERGROUND WATER MAIN IS CROSSING ANOTHER PIPELINE AND JOINTS IN THE WATER MAIN ARE BEING LOCATED LESS THAN THE REQUIRED MINIMUM DISTANCE FROM JOINTS IN THE OTHER PIPELINE, THE CONTRACTOR SHALL CONSULT THE DESIGN ENGINEER TO OBTAIN APPROVAL OF AN ALTERNATIVE CONSTRUCTION METHOD, PRIOR TO CONSTRUCTION.

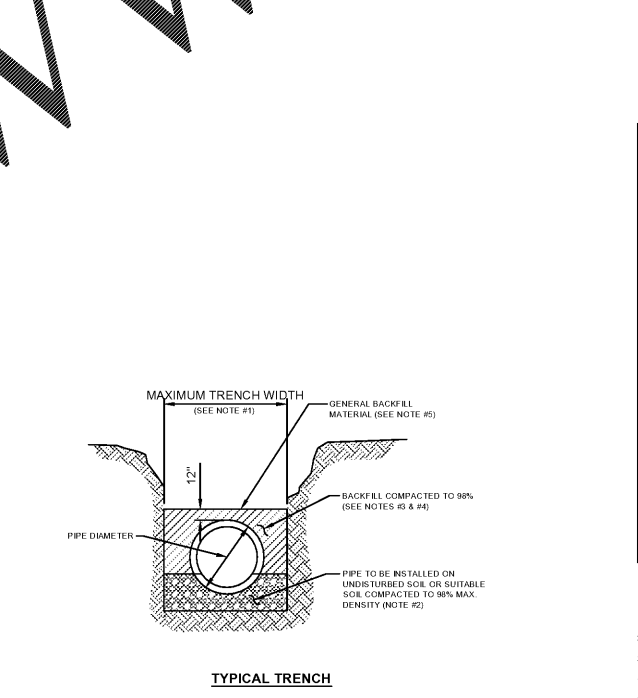
NOTES ON UTILITY SEPARATION REQUIREMENTS
January 2018 PLATE W-11



WATER SYSTEM VALVE BOX COVER
January 2018 PLATE W-16



WATER SYSTEM VALVE BOX
January 2018 PLATE W-17



- NOTES:**
- TRENCH SIDES SHALL BE APPROXIMATELY VERTICAL BETWEEN AN ELEVATION OF 1 FOOT ABOVE THE TOP OF THE PIPE AND THE CENTERLINE OF THE PIPE. OTHERWISE, TRENCH SIDES SHALL BE AS VERTICAL AS POSSIBLE OR AS REQUIRED BY OSHA STANDARDS. REFER TO THE MEASUREMENT AND PAYMENT SECTION (SECTION #61, PARAGRAPH #4) TO DETERMINE MINIMUM PIPELINE WIDTHS.
 - RELL HOLE SHALL BE DUG TO PERMIT THE ENTIRE STRAIGHT BARREL OF THE PIPE TO REST ON THE UNDISTURBED TRENCH BOTTOM. BOULDER OR LOOSE ROCKS LARGER THAN 3/4" IN SIZE WILL NOT BE PERMITTED IN BACKFILL UP TO 1 FOOT ABOVE THE TOP OF THE PIPE.
 - BACKFILL MATERIAL UP TO A LEVEL OF 1 FOOT OVER THE PIPE SHALL CONSIST OF A8H70 CLASS A-3 SOL (SUITABLE SOIL) AND SHALL EXCLUDE CLAY MATERIALS AND LOOSE ROCKS LARGER THAN 3/4" IN SIZE.
 - BACKFILL MATERIAL UP TO LEVEL 1 FOOT OVER THE TOP OF PIPE OR BOTTOM OF STRUCTURES SHALL BE PLACED IN 6 INCH COMPACTED THICKNESS LAYERS AND SHALL BE COMPACTED TO 96% OF ITS MAXIMUM DENSITY AS DETERMINED BY THE LABORATORY MODIFIED PROCTOR TEST, ASTM D1557.
 - SEE "EXCAVATION AND EARTHWORK" SECTION #48 FOR ADDITIONAL REQUIREMENTS INCLUDING REMOVAL AND REPLACEMENT OF UNSUITABLE SOILS, DEWATERING, COMPACTION REQUIREMENTS AND DENSITY TESTING OF COMPACTED SOILS.

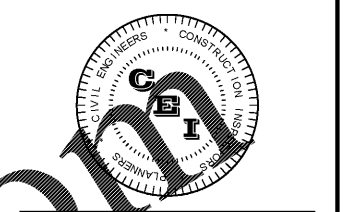
OPEN CUT TRENCH FOR PRESSURE PIPE
January 2018 IN CITY RIGHT-OF-WAY PLATE W-42

HORIZONTAL & VERTICAL SEPARATION REQUIREMENTS

CONFLICTING UTILITY	PROPOSED UTILITY											
	POTABLE WATER			WASTEWATER GRAVITY AND FORCE MAIN			RECLAIMED WATER			VACUUM SEWERS		
	HORIZ.	VERT.	JOINT SPACING	HORIZ.	VERT.	JOINT SPACING	HORIZ.	VERT.	JOINT SPACING	HORIZ.	VERT.	JOINT SPACING
POTABLE WATER	3' NOTE 1	12"	3' NOTE 2	6' NOTE 1	12"	3' NOTE 2	3'	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2
RECLAIMED WATER	3'	12"	3' NOTE 2	3'	12"	3' NOTE 2	3'	12"	3' NOTE 2	3'	12"	3' NOTE 2
WASTEWATER (GRAVITY AND FORCE MAIN)	6' NOTE 1	12"	3' NOTE 2	3'	12"	3' NOTE 1	3'	12"	3' NOTE 2	3'	12"	3' NOTE 2
VACUUM SEWERS	3' NOTE 1	12"	3' NOTE 2	12"	6"	3' NOTE 1	12"	6"	3' NOTE 2	12"	6"	3' NOTE 2
RIGHT OF WAYS	3'	N/A	N/A	3'	N/A	N/A	3'	N/A	3'	N/A	3'	N/A
PERMANENT STRUCTURES (SIGNS, POLES, ETC.)	3' NOTE 1	N/A	N/A	3' NOTE 1	N/A	N/A	3' NOTE 1	N/A	3' NOTE 1	N/A	N/A	3' NOTE 1
STORM SEWERS	3' NOTE 1	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2
GAS	3' NOTE 1	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2
TREES	3'-6" NOTE 6	N/A	N/A	3'-6" NOTE 6	N/A	N/A	3'-6" NOTE 6	N/A	3'-6" NOTE 6	N/A	N/A	3'-6" NOTE 6
ALL OTHER UTILITIES	3' NOTE 1	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2	3' NOTE 1	12"	3' NOTE 2

- NOTES:**
- THIS SEPARATION REQUIREMENT IS TO PROVIDE ACCESSIBILITY FOR CONSTRUCTION AND MAINTENANCE. THREE FEET OF HORIZONTAL SEPARATION IS THE MINIMUM FOR PIPES WITH THREE FEET OF COVER. FOR PIPES INSTALLED AT GREATER DEPTH, PROVIDE AN ADDITIONAL FOOT OF SEPARATION.
 - THE MINIMUM JOINT SPACING REQUIRED FROM CROSSING FROM OTHER UTILITIES WHILE STILL MAINTAINING MINIMUM VERTICAL SEPARATION.
 - DISTANCES GIVEN ARE FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE.
 - NO WATER PIPE SHALL PASS THROUGH OR COME INTO CONTACT WITH ANY PART OF SANITARY OR STORM WATER MANHOLE OR STRUCTURES.
 - WATER MAIN SHOULD CROSS ABOVE OTHER PIPES WHENEVER POSSIBLE. WHEN WATER MAIN MUST BE BELOW OTHER UTILITY PIPING, THE MINIMUM SEPARATION SHALL BE 12 INCHES.
 - REFER TO POTABLE WATER PIPING - SECTION 350, III.4.11.

SEPARATION REQUIREMENTS FOR WATER, WASTEWATER AND RECLAIMED WATER MAINS
January 2018 PLATE W-10



CAMPO ENGINEERING, INC.

FBRP CERTIFICATE OF AUTHORIZATION NO.: 26726

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TAMPA, FL. 33605
PHONE: (813) 215-7372
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PROJECT TITLE
YULEE O'REILLYS AUTO PARTS

NASSAU COUNTY, FLORIDA

CLIENT

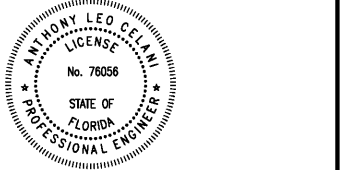
GRYBOSKI, HOWE & GRAVELY
101 S. BAY BLVD., SUITE B-3
P.O. BOX 732
ANNA MARIA, FLORIDA 34216

REVISIONS

NO.	DESCRIPTION	DATE

ISSUE DATE: 08/2017
REVIEWED BY: ALC
DRAWN BY: LAB
DESIGNED BY: ALC

PROJECT NUMBER
CEI 18-035



Anthony L. Celani 76056 11/26/2018
NAME SEAL NO. DATE

SHEET TITLE

UTILITY DETAILS

SHEET NUMBER
C-8

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