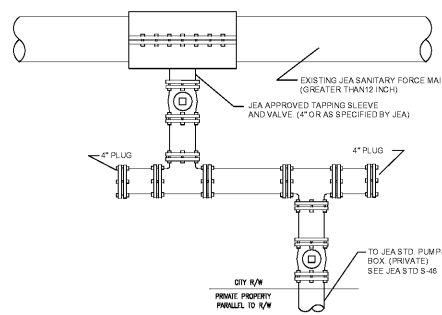


COMMON SANITARY STUB-OUT ALONG CONTINUOUS RIGHT-OF-WAY



FORCE MAIN SERVICE STUB FOR 16" AND LARGER PIPING

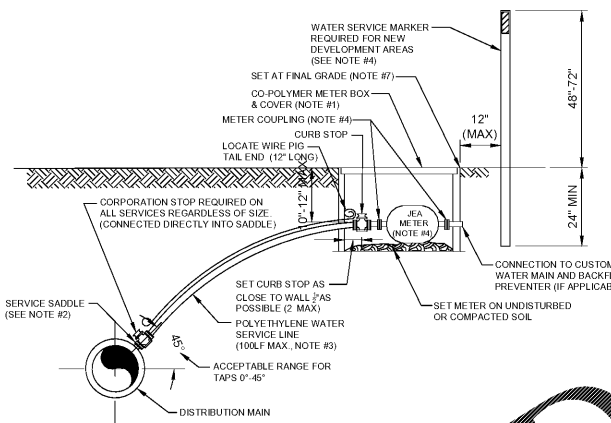
| FORCE MAIN SIZE | DISTANCE BETWEEN TAPS |
|-----------------|-----------------------|
| 16" | 300LF |
| 20" | 500LF |
| 24" | 1000LF |
| 30" | 1000LF |

SANITARY FORCE MAIN CONNECTION FOR 16" AND LARGER PIPING FOR PRIVATE PUMPING STATIONS

JANUARY 2017

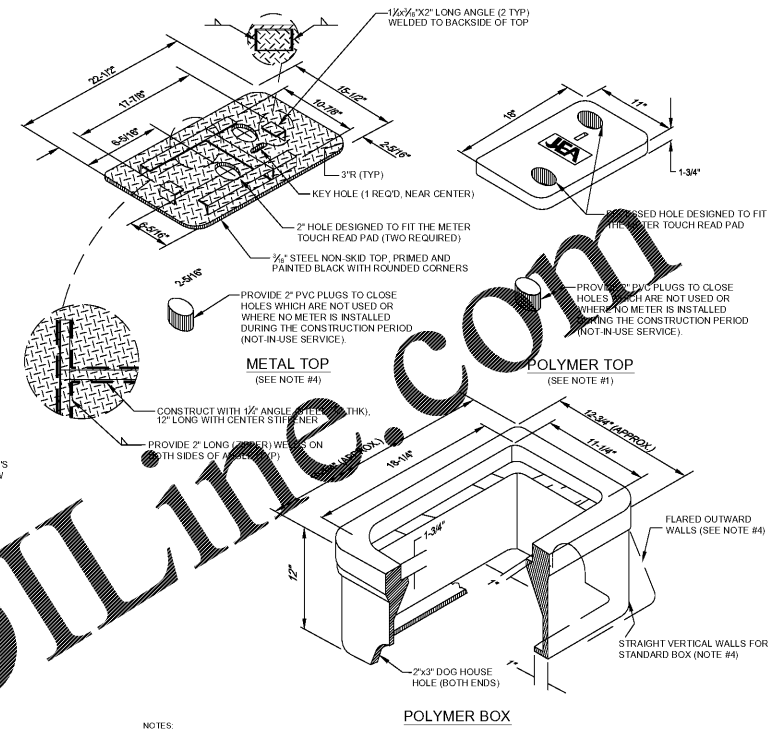
PLATE D-905

WATER SERVICE DETAIL- 2" AND SMALLER METER



NOTES:

- SEE PLATE W-11 FOR METER LOCATION REQUIREMENTS.
- SINGLE BAND SADDLES (WHICH MAY BE UTILIZED ON NEW 1" WATER SERVICES WHICH ARE INSTALLED ON A DRY 10" OR SMALLER WATER MAIN (NEW WATER MAIN CONSTRUCTION), FOR WET TAPS OR WATER MAINS 1" AND LARGER, A DOUBLE SADDLE IS REQUIRED. BRASS SADDLES MAY BE UTILIZED ON NEW 1 INCH AND SMALLER WATER SERVICES WHICH ARE ON A DRY 10 INCH 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" (MIN.) COVER UNDER ROADWAYS. THE POLY LINE WATER SERVICE LINE SHALL BE SAME SIZE AS THE METER (1" MINIMUM) AND BE INSTALLED PERPENDICULAR TO THE MAIN (NOT EXCEED 100LF UNLESS APPROVED OTHERWISE BY JEA.
- INSTALL PVC PLUG IN ALL CURB STOPS IF WATER SERVICE IS NOT INSTALLED. IF NO METER IS INSTALLED, WATER SERVICES SERVING VACANT LOTS (SERVICE NOT TO BE PAID) SHALL BE PAID INTO THE CURB STOP (CLOSEST TO THE METER BOX), AND PAINTED BLUE (PAINTED PURPLE FOR NEW DEVELOPMENT AREAS AND WATER SERVICES FOR NEW DEVELOPMENT AREAS WHERE THE WATER SERVICE IS NOT IN USE). ALL METER COUPLINGS SHALL BE PAINTED BLUE OR PURPLE (FOR RECLAIMED WATER). THE REMOVAL OR TRANSFER OF A WATER SERVICE SHALL INCLUDE THE METER COUPLINGS (WEX OR 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 REMOVAL OR REPLACEMENT OF THE METER OR ELECTRONIC DEVICES IF DAMAGED BY THE CONTRACTOR DURING THE CONSTRUCTION PERIOD.
- PLATE W-12 AND TOP OF BOX SHALL BE CLEAR OF ALL DEBRIS TO ALLOW FULL ACCESS TO BOX (i.e. NO DIRT, TRASH OR OTHER DEBRIS). LOCATE WIRE COUPLING ON ALL SERVICES 10' OR GREATER IN LENGTH. SEE PLATE W-44.



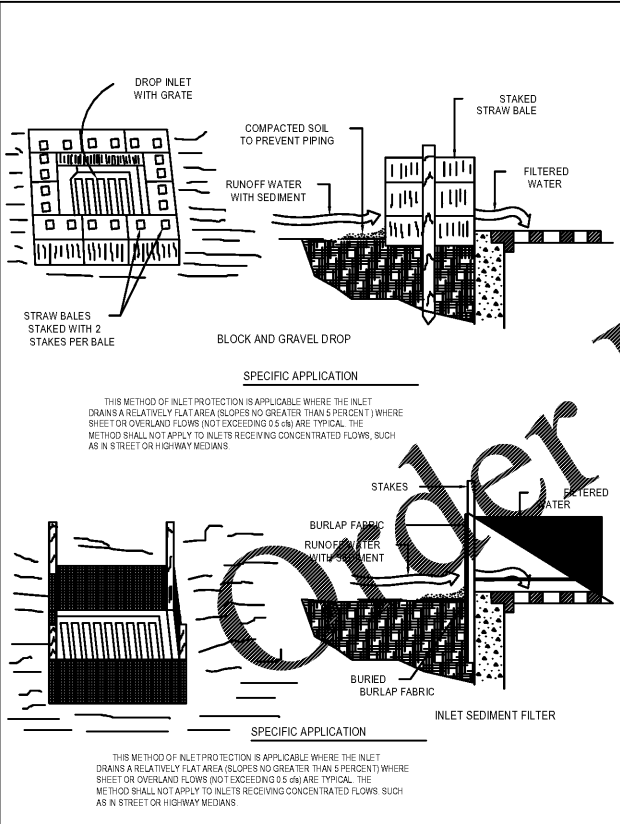
NOTES:

- THE STANDARD BOX (A-8 (ASTM C87) LOAD RATING WITH STRAIGHT VERTICAL WALLS) & TOP (A-8 (ASTM C87) RATING WITH 2 HOLES) SHALL BE MADE OF POLYMER CONCRETE (SIMILAR TO OLD BROOKS SERIES 37 BOX). BOX WALLS SHALL BE FIBERGLASS. THE INSIDE R.P. OF THE BOX SHALL BE RATED SAME AS THE BOX. THE ONE HOLE LIDS ARE FOR SPECIAL ORDERS ONLY AND REQUIRE JEA'S APPROVAL PRIOR TO USE.
- ALL SIZES SHOWN ARE IN INCHES AND ARE APPROXIMATE SIZES.
- POLYMER BOX APPROXIMATE WEIGHT 250#. POLYMER TOP APPROXIMATE WEIGHT 20#. SEE CONSTRUCTION DETAILS W-3A (TWO HOLES) AND W-3B (ONE HOLE) FOR MANUFACTURING DETAILS FOR COVERS.
- UNLESS APPROVED OTHERWISE IN WRITING BY JEA, ALL METER BOXES SHALL BE LOCATED IN NON-TRAFFIC AREAS (NOT IN THE ROADWAY, DRIVEWAYS OR SIDEWALKS). IF AN EXCEPTION TO THIS RULE IS APPROVED BY JEA, THEN THE FOLLOWING SHALL BE PROVIDED:
 - UNDER NO CIRCUMSTANCES SHALL A METER BOX BE LOCATED IN A COMMERCIAL TRAFFIC AREA.
 - IF AN EXCEPTION IS APPROVED IN WRITING THE METER BOX LOCATED IN A SIDEWALK OR RESIDENTIAL DRIVEWAY SHALL INCLUDE A POLYMER BOX WITH FLARED OUTWARD WALLS (NOT STRAIGHT WALLS) AND A POLYMER TOP. BOX AND TOP SHALL COMPLY WITH A-4 (ASTM C87) LOAD RATING.
 - METER TOPS MAY BE UTILIZED IF SPECIFICALLY APPROVED BY JEA MANAGER OR JEA METER O&M STAFF.

WATER METER BOX & COVER FOR 1" AND SMALLER METERS

JANUARY 2017

PLATE W-3



SPECIFIC APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPES NO GREATER THAN 5 PERCENT) WHERE SHEET OR OVERLAND FLOWS (NOT EXCEEDING 0.5 cfs) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS IN STREET OR HIGHWAY MEDIANS.

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| | | | |
|----------------------------|-------------------------------|--------------|-------------|
| DROP INLET SEDIMENT FILTER | CITY OF JACKSONVILLE STANDARD | N.T.S. | PLATE D-905 |
| | | DATE DRAWN | 8-5-79 |
| | | REVISED DATE | 5-12-94 |

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REVISIONS

| REV | DATE | COMMENT | BY |
|-----|----------|----------------------------------|-----|
| 1 | 01/08/18 | PER CITY & JEA COMMENTS | JRT |
| 2 | 03/06/18 | PER CITY & FDOT COMMENTS | JRT |
| 3 | 04/16/18 | PER FDOT COMMENTS | JRT |
| 4 | 01/28/20 | FORCE MAIN & IRRIGATION REVISION | ASZ |
| 5 | 02/11/20 | EOD COMMENTS | ASZ |
| 6 | 09/25/20 | PER WAWA | KM |

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PROJECT No.: FL1770094
 DRAWN BY: JRT
 CHECKED BY: ASZ
 DATE: 9/28/20
 SCALE: AS NOTED
 CAD I.D.: ODD

Wawa

FOR BRIGHTWORK REAL ESTATE

LOCATION OF SITE
 1004 EDGEWOOD AVE NORTH
 JACKSONVILLE, FL 32254
 CITY OF JACKSONVILLE

BOHLER ENGINEERING

3820 NORTHALE BLVD., SUITE 300B
 TAMPA, FLORIDA 33624
 Phone: (813) 812-4100
 Fax: (813) 812-4101
 FLORIDA BUSINESS CERT. OF AUTH. No. 30789
 LICENSED PROFESSIONAL ENGINEER (P.E. No. 120999001)

SHEET TITLE: CONSTRUCTION DETAILS

SHEET NUMBER: D-7