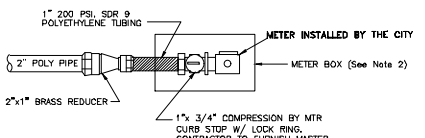
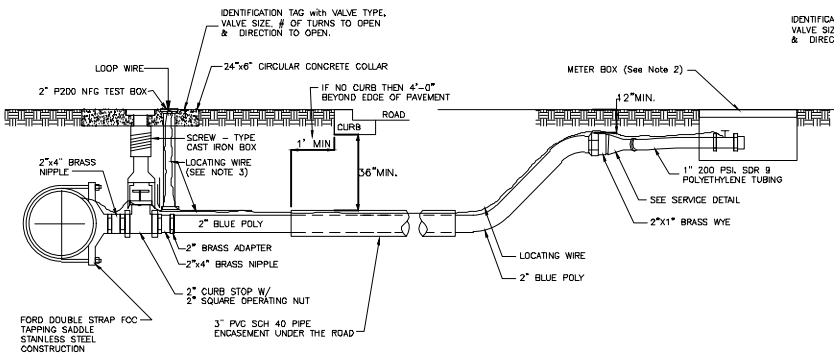


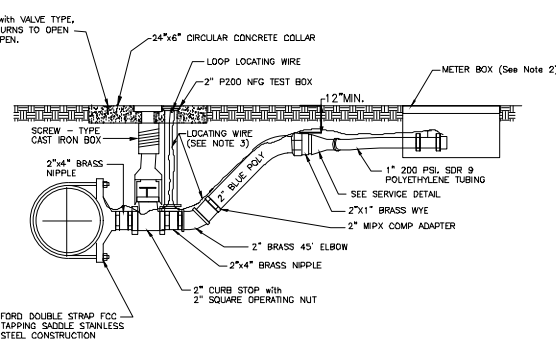
DOUBLE SERVICE PLAN



SINGLE SERVICE PLAN



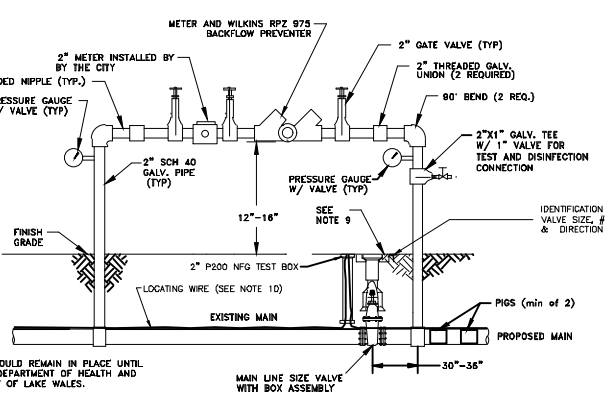
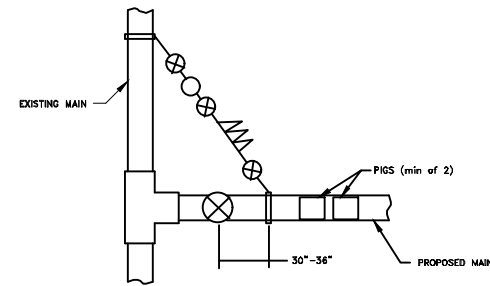
SERVICE REQUIRING ROAD CROSSING



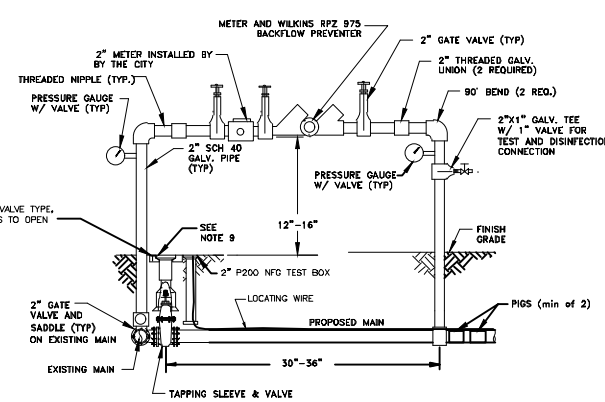
SERVICE NOT REQUIRING ROAD CROSSING

1. STAINLESS STEEL INSERT FOR POLY TUBE (TYP.)
2. METER BOX TO BE SUPPLIED & INSTALLED BY CONTRACTOR TO FINISH GRADE. ALL BOXES MUST BE LOCATED AT PROPERTY CORNER AND WITHIN THE RIGHT-OF-WAY. BOXES MUST NOT CONFLICT WITH SIDEWALKS OR DRIVEWAYS. THE CITY SHALL DETERMINE SIZE AND TYPE OF METER BOX.
3. A TRACER WIRE SHALL BE A BLUE-COATED #10 COPPER HEAD HIGH STRENGTH (HS) SOLID TRACER AND JOINT SEAL SHALL BE INSTALLED ALONG ALL PIPE AND SERVICE. TRACER WIRE SHALL BE TAPED TO THE PIPE AND STUBBED UP AT ALL HYDRANTS AND VALVES.

1. STAINLESS STEEL INSERT FOR POLY TUBE (TYP.)
2. METER BOX TO BE SUPPLIED & INSTALLED BY CONTRACTOR TO FINISH GRADE. ALL BOXES MUST BE LOCATED AT PROPERTY CORNER AND WITHIN THE RIGHT-OF-WAY. BOXES MUST NOT CONFLICT WITH SIDEWALKS OR DRIVEWAYS. THE CITY SHALL DETERMINE SIZE AND TYPE OF METER BOX.
3. A TRACER WIRE SHALL BE A BLUE-COATED #10 COPPER HEAD HIGH STRENGTH (HS) SOLID TRACER AND JOINT SEAL SHALL BE INSTALLED ALONG ALL PIPE AND SERVICE. TRACER WIRE SHALL BE TAPED TO THE PIPE AND STUBBED UP AT ALL HYDRANTS AND VALVES.



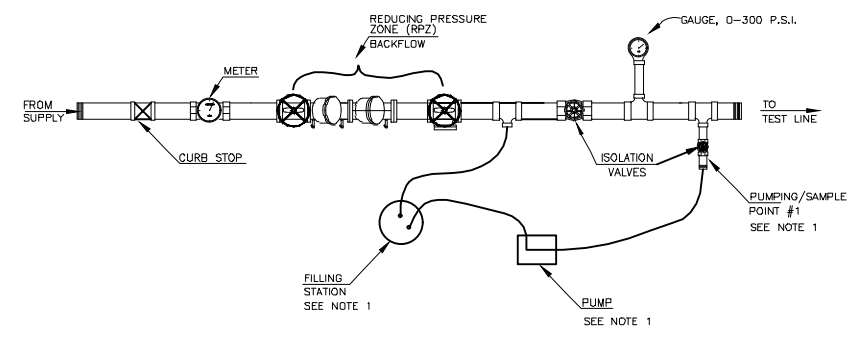
CONSTRUCTION WATER SUPPLY CONNECTION DETAIL A



CONSTRUCTION WATER SUPPLY CONNECTION DETAIL B

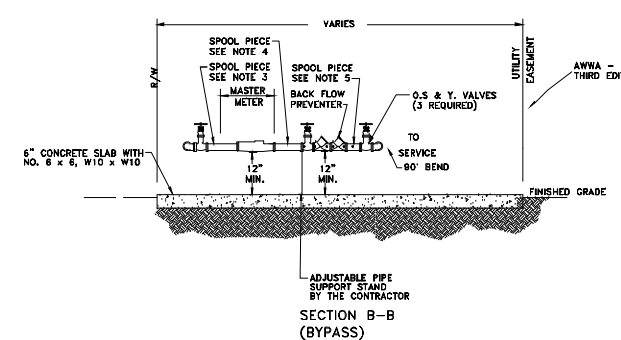
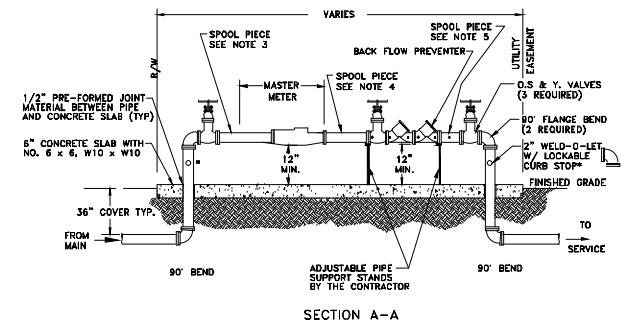
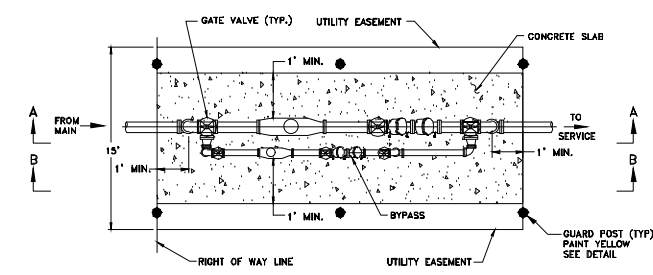
1. A TEMPORARY JUMPER CONNECTION IS REQUIRED AT ALL CONNECTIONS BETWEEN EXISTING ACTIVE WATER SYSTEMS AND PROPOSED NEW WATER SYSTEMS.
2. THIS DETAIL IS TO BE USED FOR FILLING ANY NEW MAIN OF ANY SIZE FROM EXISTING ACTIVE WATER SYSTEMS AND THE JUMPER CONNECTION SHALL BE MAINTAINED UNTIL AFTER FILLING, PRESSING, TESTING AND DISINFECTION OF THE NEW MAIN HAS BEEN SUCCESSFULLY COMPLETED AND CLEARANCE FOR USE FROM FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) AND OTHER AGENCIES HAS BEEN RECEIVED. ADEQUATE THROUST RESTRAINTS SHALL BE PROVIDED. PIPE AND FITTINGS USED FOR CONNECTING THE PIPE TO THE EXISTING PIPE SHALL BE DISINFECTED PRIOR TO INSTALLATION IN ACCORDANCE WITH ANWA 0651 LATEST EDITION.
3. THE TIE-IN VALVES SHALL BE OPERATED AND PRESSURE TESTED IN THE PRESENCE OF UTILITIES OPERATIONS AND INSPECTION SERVICES TO VERIFY WATER TIGHTNESS PRIOR TO THE TIE-IN. VALVES WHICH ARE NOT WATER TIGHT SHALL BE REPLACED.
4. THE TEMPORARY JUMPER CONNECTION SHALL BE CONSTRUCTED AS DETAILED. THE JUMPER CONNECTION SHALL BE USED TO FILL THE NEW WATER SYSTEM AND FOR PROVIDING WATER FOR BACTERIOLOGICAL SAMPLING OF THE NEW MAIN AS REQUIRED BY THE FDEP PERMIT.

5. AFTER THE NEW LINE IS TIED IN, ONE-TIME FLUSHING MUST BE OBSERVED BY THE CITY INSPECTOR.
6. THE CONTRACTOR WILL REQUEST METER AND BACKFLOW FROM THE CITY. AFTER INSTALLATION THE CONTRACTOR WILL NOTIFY THE CITY AND THE CITY INSPECTOR WILL TEST THE SYSTEM FOR PROPER OPERATION.
7. ALL INSTALLATION AND MAINTENANCE OF THE TEMPORARY JUMPER CONNECTION AND ASSOCIATED BACKFLOW PREVENTION DEVICE FITTINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
8. WHEN THE CONTRACTOR HAS ESTABLISHED AN ACCOUNT WITH LAKE WALES UTILITIES-CUSTOMER SERVICE, UTILITIES OPERATIONS SHALL PROVIDE THE METER ASSEMBLY TO THE CONTRACTOR.
9. ONCE THE CONSTRUCTION WATER SUPPLY CONNECTION IS MADE THE CITY OF LAKE WALES WILL INSTALL A LOCK ON THE GATE VALVE TO THE MAIN. THIS WILL ALLOW THE VALVE TO REMAIN CLOSED UNTIL END OF PROJECT.
10. A TRACER WIRE SHALL BE A BLUE-COATED #10 COPPER HEAD HIGH STRENGTH (HS) SOLID TRACER AND JOINT SEAL SHALL BE INSTALLED ALONG ALL PIPE AND SERVICE. TRACER WIRE SHALL BE TAPED TO THE PIPE AND STUBBED UP AT ALL HYDRANTS AND VALVES.



PRESSURE TEST

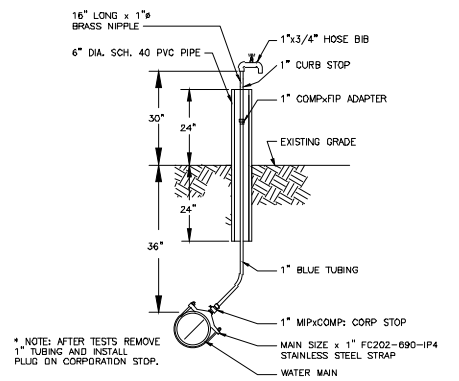
- NOTES:
1. AFTER COMPLETION OF TESTING, FILLING STATION AND PUMP ARE REMOVED. THEN THE PUMPING POINT BECOMES THE SAMPLE POINT #1.



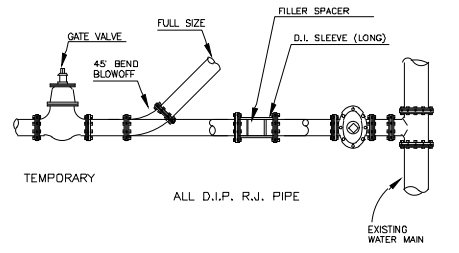
- NOTES:
1. ALL PIPE, FITTINGS, APPURTENANCES, METER AND BACKFLOW PREVENTER SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
 2. ALL ABOVE GROUND PIPE SHALL BE FLANGE DUCTILE IRON.
 3. SPOOL PIECE MINIMUM LENGTH SHALL BE TEN TIMES THE PIPE DIAMETER.
 4. SPOOL PIECE LENGTH SHALL BE A MINIMUM OF ONE FOOT. ON SPOOL PIECE PLACE A 2" HEAVY DUTY WELD-O-LET NINETY DEGREES FROM THE TOP OF SPOOL PIECE. WELD-O-LET TO BE INSTALLED WITH A LOCKABLE CURB STOP (TEST PORT).
 5. MASTER METER SHALL BE SENSUS COMPOUND FLOW METER.
 6. METER SHALL BE PAINTED BLUE WHEN COMPLETED EXCEPT FOR BRASS.

MAIN METER ASSEMBLY 4" AND LARGER

ISSUE CODE
 MODIFIED: MJC 07-20-21
 MODIFIED: MJC 06-16-21



TYPICAL BACTERIOLOGICAL SAMPLING POINT AT INTERMEDIATE POINTS



FLUSHING CONNECTION AND BLOW OFF DETAIL

CITY OF LAKE WALES
 201 CENTRAL AVE. LAKE WALES, FLORIDA 33853



6-28-18 NFG TEST BOX
 9-07-12 METER DETAIL ON SERVICES
 10-02-17 TRENCH CROSS-SECTION TERM.
 5-17-18 GENERAL CLEANUP
 5-23-18 TEXT HEIGHT IN TRENCH DETAIL
 9-6-19 ADD TEXT FOR VALVE TYPE TO VALVE TAG

ISSUE CODE	A PRELIMINARY	B DESIGN
C BIDS	D CONSTRUCTION	E APPROVAL
DESIGN:	SCALE: N.T.S.	
CHK'D BY:	DATE:	
DRAWN BY:	ENGR. APPR.	

WATER DETAILS

AREA	JOB NO.
CITY-OF-LAKE-WALES	
SHEET	OF
	REV.