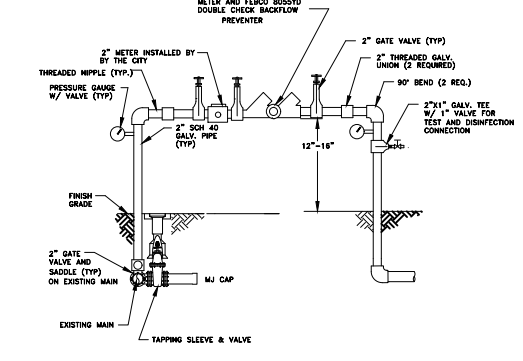
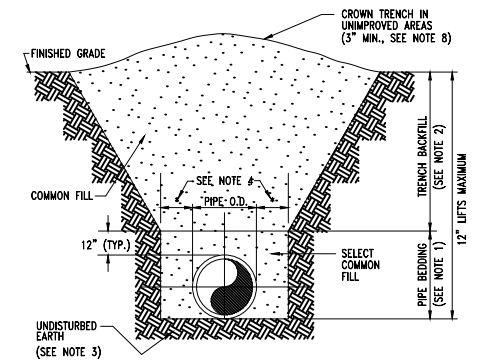


- NOTES:
1. A TEMPORARY JUMPER CONNECTION IS REQUIRED AT ALL CONNECTIONS BETWEEN EXISTING ACTIVE WATER SYSTEMS AND PROPOSED NEW WATER SYSTEMS.
 2. THIS DETAIL IS TO BE USED FOR FILING ANY NEW MAIN OF ANY SIZE FROM EXISTING ACTIVE WATER SYSTEMS AND THE JUMPER CONNECTION SHALL BE MAINTAINED UNTIL AFTER FILING, PROBING, 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 THROAT 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 AWWA C651 LATEST EDITION.
 3. THE TE-IN VALVES SHALL BE OPERATED AND PRESSURE TESTED IN THE PRESENCE OF UTILITIES OPERATIONS AND INSPECTION SERVICES TO VERIFY WATER TIGHTNESS PRIOR TO THE TE-IN. VALVES WHICH ARE NOT WATER TIGHT SHALL BE REPLACED.
 4. THE TEMPORARY JUMPER CONNECTION SHALL BE CONSTRUCTED AS DETAIL. THE JUMPER CONNECTION SHALL BE USED TO TIE THE NEW WATER SYSTEM AND FOR PROVIDING WATER FOR BACTERIOLOGICAL SAMPLING OF THE NEW MAIN AS REQUIRED BY THE FDEP PERMIT.



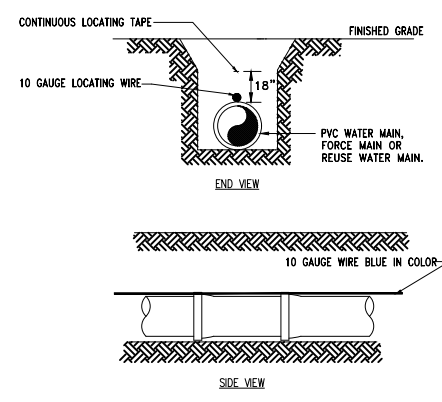
5. AFTER THE NEW LINE IS TIED IN, ONE-TIME FLUSHING MUST BE OBSERVED BY THE CITY INSPECTOR.
6. THE CONTRACTOR WILL REQUEST METER AND BACKFLOW FROM THE CITY, AFTER INSTALLATION THE CONTRACTOR WILL NOTIFY THE CITY AND THE CITY INSPECTOR WILL TEST THE SYSTEM FOR PROPER OPERATION.
7. UPON RECEIPT OF CLEARANCE FOR USE FROM FDEP AND ALL OTHER AGENCIES THE CONTRACTOR SHALL REMOVE THE TEMPORARY JUMPER CONNECTION AND FINAL TE-IN BE DONE [WITH SUPER CHLORINATION] UNDER CITY INSPECTOR OBSERVANCE FOR ACTIVATION OF THE NEW SYSTEM.
8. ALL INSTALLATION AND MAINTENANCE OF THE TEMPORARY JUMPER CONNECTION AND ASSOCIATED BACKFLOW PREVENTION DEVICE FITTINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
9. WHEN THE CONTRACTOR HAS ESTABLISHED AN ACCOUNT WITH LAKE WALES UTILITIES-CUSTOMER SERVICE, UTILITIES OPERATIONS SHALL PROVIDE THE METER ASSEMBLY TO THE CONTRACTOR.



- NOTES:
1. PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
 2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
 3. PIPE BEDDING UTILIZING SELECT COMMON FILL OR BEDDING ROCK IN ACCORDANCE WITH TYPE "A" BEDDING AND TRENCHING DETAIL MAY BE REQUIRED AS DIRECTED BY THE COUNTY.
 4. (*) 15" MAX. FOR PIPE DIAMETER LESS THAN 24", AND 24" MAX. FOR PIPE DIAMETER 24" AND LARGER.
 5. TRENCHES MUST BE FREE OF WATER AT ALL TIMES DURING CONSTRUCTION.
 6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF FLOW.
 7. REFER TO THE MANUAL FOR SHEETING AND BRACING EXCAVATIONS.
 8. FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH REGULATIONS OF GOVERNING AGENCIES. SURFACE RESTORATION WITHIN MUNICIPAL RIGHT-OF-WAY SHALL COMPLY WITH REQUIREMENTS OF RIGHT-OF-WAY UTILIZATION REGULATIONS AND ROAD CONSTRUCTION SPECIFICATIONS.

NOTE:
INSTALL PERMANENT MARKERS ON BACK OF CURB FOR WATER MAINS, SERVICES, AND HYDRANTS.

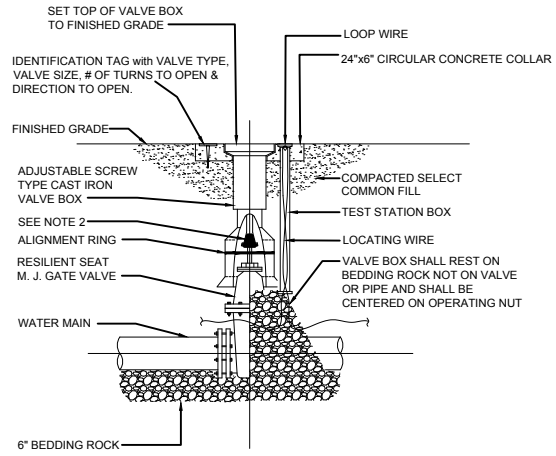
CONSTRUCTION WATER SUPPLY CONNECTION DETAIL A



- NOTES:
1. ALL PRESSURE PIPE SHALL REQUIRE INSULATED METALLIC LOCATING WIRE (10 GAUGE COPPER) CAPABLE OF DETECTION BY A CABLE LOCATOR AND SHALL BE BURIED DIRECTLY AGAINST THE PIPE. 10 GAUGE WIRE MUST BE BLUE IN COLOR.
 2. LOCATING WIRE SHALL TERMINATE AT THE TOP OF EACH VALVE BOX AND BE CAPABLE OF EXTENDING 12" ABOVE TOP OF BOX IN SUCH A MANNER SO AS NOT TO INTERFERE WITH VALVE OPERATION.
 3. USE DUCT TAPE AS NECESSARY TO HOLD WIRE DIRECTLY AGAINST THE PIPE.

PVC PIPE LOCATING WIRE DETAIL

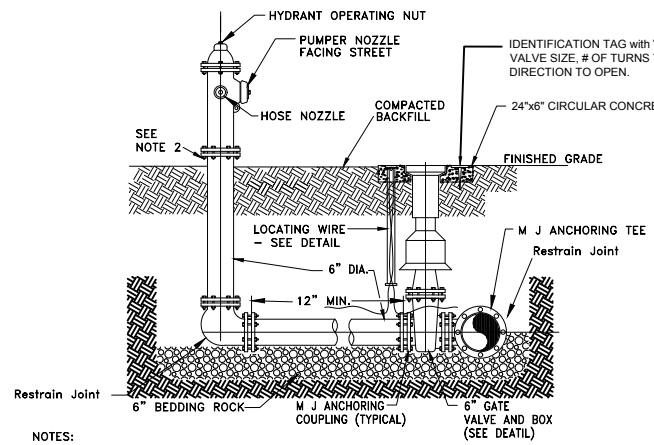
CONSTRUCTION WATER SUPPLY CONNECTION DETAIL B



- NOTES:
1. 6" DIA. PVC PIPE IS PERMITTED FOR USE AS VALVE BOX EXTENSION.
 2. THE ACTUATING NUT FOR DEEPER VALVES SHALL BE 2.5 FEET BELOW FINISHED GRADE. EXTENSIONS SHALL BE PROVIDED AS REQUIRED.
 3. VALVE BOX LIDS SHALL BE ROUND FOR WATER AND MARKED AS SUCH.
 4. VALVE BOX LIDS SHALL BE SQUARE FOR REUSE WATER AND MARKED AS SUCH.

GATE VALVE AND BOX DETAIL

TYPE B BEDDING AND TRENCHING DETAIL



- NOTES:
1. FIRE HYDRANT SHALL BE SUPPLIED WITH A WEEP HOLE (DRY BARREL TYPE).
 2. CLEARANCE BETWEEN BOTTOM OF BOLTS AND TOP OF GROUND SHALL BE 6". STANDARD BARREL SHALL BE 42".
 3. RESTRAINED JOINTS REQUIRED THROUGHOUT FIRE HYDRANT ASSEMBLY.
 4. FIRE HYDRANT SHALL HAVE CITY OF LAKE WALES STANDARD FINISH.
 5. FIRE HYDRANT MUST BE A MUELLER CENTURION A-423 OR KENNEDY K-81 AS NOTED IN CITY SPECIFICATIONS.
 6. HOSE BIBB REQUIREMENT TO BE SPECIFIED AT PRECON.

HYDRANT DETAIL

ISSUE CODE
MODIFIED: MJC 07-17-19
MODIFIED: MJC 09-06-19

CITY OF LAKE WALES
ESTABLISHED 1912

9-6-19 ADD TEXT FOR VALVE TYPE TO VALVE TAG

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

WATER SUPPLY LINE AND HYDRANT DETAIL

JOB NO.

AREA	REV.
CITY-OF-LAKE-WALES	