TRACER WIRE FOR WATER MAIN DEEPER THAN 8 FT

TRENCH DETAIL

NOTES:
1. TRACER WIRE SHOWN AWAY FROM PIPE FOR CLARITY. TRACER WIRE SHALL BE INSTALLED IMMEDIATELY ADJACENT TO THE WATER PIPE. TRACER WIRE SHALL BE FASTENED TO THE PIPE WITH ZIP TIES AT 10 FOOT INTERVALS.
2. TRACER WIRE SHALL BE SOLID COPPER NO. 12 WITH 30 MILS BLUE FOIL INSULATION.
3. WARNING TAPE REQUIRED FOR 15 INCH AND LARGER WATER MAINS ONLY.
4. NEED LOCATOR POST FOR 30 INCH AND LARGER DISTRIBUTION MAINS ONLY.
NOTES:
1. TRACER WIRE SHALL BE AWG NO. 12 GAUGE SOLID COPPER WITH 30 MILS BLUE HOPE INSULATION.
2. THE TRACER WIRE SHALL BE CONTINUOUS TO THE GREATEST EXTENT POSSIBLE, WHERE SPACES ARE NECESSITATED BY THE WIRE, THE SPACES SHALL BE SECURELY SPACED TOGETHER WITH AN APPROVED INDUSTRIAL CONNECTOR TO PROVIDE ELECTRICAL CONTINUITY. CONNECTOR SHALL BE COPPER AND INSULATION SHALL BE REPAIRED AS DETAILED TO SEAL OUT MOISTURE AND CORROSION AND SHALL BE INSTALLED AS TO PREVENT ANY UNINSULATED WIRE EXPOSURE, SEE STANDARD DETAIL TWS.
3. SPLICE CONNECTIONS SHALL BE ALLOWED BETWEEN THE MAIN TRACER WIRE AND THE WATER SERVICE TRACER WIRE.
4. TRACER WIRE SHALL BE PROTECTED FROM DAMAGE DURING THE EXECUTION OF THE WORK, NO BREAKS OR CUTS IN THE TRACER WIRE OR INSULATION SHALL BE PERMITTED.
5. PRIOR TO ACCEPTANCE (POST PUNCH OUT) EACH WIRE SEGMENT SHALL PASS A CONDUCTIVITY TEST, WITNESSED BY THE ENGINEER OR ENGINEER'S REPRESENTATIVE.
6. WHERE 2 OR MORE WIRES ENTER A VALVE BOX ASSEMBLY, PROVIDE 24 INCHES OF NEARLY COILED WIRE AFTER ACCEPTANCE TESTING, CONNECT ENDS OF ALL WIRES WITH WATER PROOF WIRE CONNECTOR NUT AND 2" BARE #12 STRIPED.
7. SPLICES IN THE PRIMARY TRACER WIRE ALONG THE WATER MAIN SHALL INCLUDE 3 FEET OF SLACK WIRE ON EACH SIDE OF EACH SPLICE.
8. FOR INSTALLING A NEW SERVICE LINE ON AN EXISTING MAIN WITH TRACER WIRE, ONLY SPLICE TO EXISTING WIRE WITH 3 FEET OF SLACK ON NEW SERVICE LINE.
NOTES:
1. IN-LINE SPLICES SHALL BE LIMITED TO THE GREATEST EXTENT POSSIBLE. TRACER WIRE SHALL BE AS CONTINUOUS AS POSSIBLE WITHOUT SPLICES.
2. IN-LINE SPLICES SHALL INCLUDE 3 FEET OF BLACK WIRE ON EACH SIDE OF EACH SPLICE.
3. BRANCH SPLICES ON EXISTING WIRE SHALL INCLUDE 3 FEET OF BLACK WIRE ON THE NEW BRANCH WIRE.
4. BRANCH SPLICES ON NEW MAIN INSTALLATION SHALL INCLUDE 3 FEET OF BLACK WIRE ON EACH SIDE OF THE SPLICE IN EACH DIRECTION.

IN-LINE OR REPAIR SPLICE

BRANCH IN-LINE SPLICE FOR SERVICE/LATERAL, TEE, CROSS, AIR RELEASE, BLOW OFF, HYDRANT OR VALVE