DRILL 3/4” HOLE (MAX) IN VALVE BOX AND PASS WIRE(S) THRU TO INSIDE. EXTEND WIRE(S) 3’ ABOVE GROUND. INSTALL BURNDY COPPER SPLIT BOLT – KS-15. SEE DETAIL ON SHEET 2.

VALVE BOX, CURB STOP OR HYDRANT BARREL

INSTALL TRACER WIRES INSIDE OF 1 INCH DIA. PE TUBE. FASTEN TUBE TO VALVE BOX IN 3 LOCATIONS WITH NYLON ZIP TIES.

BRING WIRE LOOP TO SURFACE OR, IF USING ACCEPTABLE SPLICE, BRING SINGLE WIRE TO SURFACE.

INSTALLATION OF TRACER WIRE AT VALVE BOXES, CURB STOPS & FIRE HYDRANTS

NOTES:
1. TRACER WIRE SHALL BE 12-GAUGE HIGH STRENGTH 30 MIL HDPE JACKET, COPPER-CLAD, STEEL REINFORCED.
2. BRING WIRE TO THE SURFACE AT ALL VALVES AND CURB STOPS.
3. INSTALL TRACER WIRE ON FIRE HYDRANT LATERAL PIPE WHERE THE FIRE HYDRANT IS MORE THAN 50-FEET FROM THE MAIN LINE, OR WHEN THE LATERAL CHANGES DIRECTION.

SPLICES & SERVICE LINE CONNECTIONS: LOOP WIRE AND TIE INTO KNOT. CONNECT BY STRIPPING 1” OF INSULATION FROM THE MAIN WIRE AND FROM THE END OF THE LATERAL WIRE. INSTALL BURNDY COPPER SPLIT BOLT KS-15. THOROUGHLY WRAP THE CONNECTOR AND BARE WIRES WITH 3M TEMFLEX2155 RUBBER SPlicing TAPE AND THEN WRAP WITH SCOTCH SUPER 88 HEAVY DUTY GRADE ELECTRICAL TAPE.

CURB STOP
SERVICE LINE
HYDRANT BARREL
EXISTING PIPE AND FITTING

TRACER WIRE SHALL BE WRAPPED AROUND BOLTS ON FITTINGS (TYP)

HYDRANT TEE

FASTEN TRACER WIRE TO TOP OF EACH PIPE SECTION IN TWO LOCATIONS WITH PLASTIC TAPE.

TRACER WIRE DETAIL NTS
BURNDY COPPER SPLIT BOLT KS-15

MAIN WIRE W/1" STRIPPED

LATERAL WIRE W/1" STRIPPED

SPLIT BOLT NUT

1"

TRACER WIRE DETAIL

6558 OLENTANGY RIVER RD.
DELAWARE, OH 43015
PHONE: (740) 548-7746
FAX: (740) 548-2089

REVISED
4-26-16

SCALE
NTS

PAGE 2 OF 2
D-24