

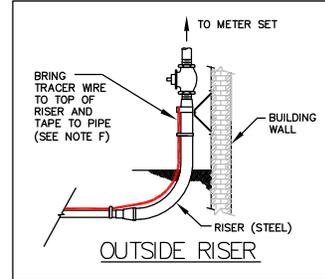
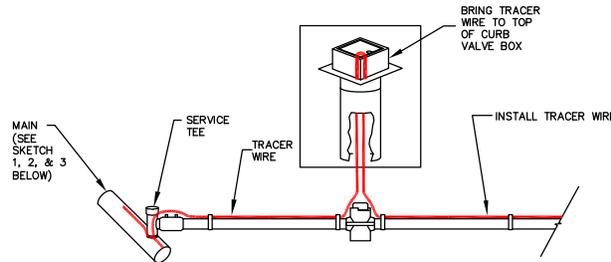
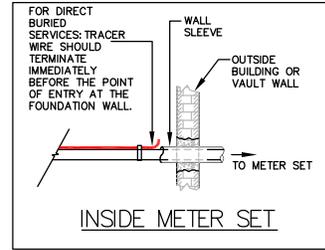
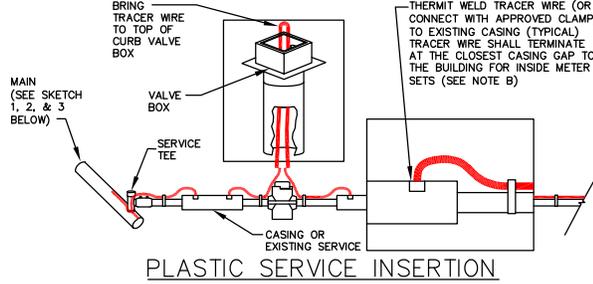
INSTALLATION REQUIREMENT FOR TRACER WIRE ON MAINS & SERVICES

REVISIONS

M. BALDOVIN 01/03/19	00
INITIAL RELEASE	
K. CHAN, S. ACEVEDO, R. REICHEL	01/03/19
ISSUED 02/25/19	
J. MOAWAD 05/16/24	01

UPDATED SPOT-BUY VENDOR INFO. UPDATED "NOTE A" TO SPECIFY APPROVED CONNECTIONS FOR EACH WIRE TYPE. DELETED "SEE NOTE H" FROM SKETCH 3. CORRECTED TYPO IN INSERTION METHODS FROM "NOTE H" TO "NOTE G". CORRECTED TYPO IN OUTSIDE RISER SKETCH FROM "NOTE G" TO "NOTE F". ADDED "(SEE NOTE B)" TO SKETCH 2. ADDED GAS OPERATIONS STANDARDS VOLUME INFO AT BOTTOM LEFT

D. JACOBS 05/16/24



DIRECT BURIED PLASTIC SERVICE INSTALLATION

<p>SKETCH 1</p> <p>CONNECTION TO PLASTIC MAIN</p> <p>CONNECT TRACER WIRE ON SERVICE TO TRACER WIRE ON MAIN. (SEE NOTE A)</p>	<p>SKETCH 2</p> <p>CONNECTION TO CAST IRON, UNPROTECTED STEEL, WROUGHT IRON MAIN</p> <p>THERMIT WELD SERVICE TRACER WIRE TO THE MAIN AS CLOSE AS POSSIBLE TO THE SERVICE TEE. (SEE NOTE B)</p>	<p>SKETCH 3</p> <p>CONNECTION TO PROTECTED STEEL MAIN</p> <p>WRAP TRACER WIRE ON SERVICE AROUND STEEL SERVICE TEE CONNECTION. DO NOT THERMIT WELD OR CLAMP TRACER WIRE TO MAIN</p>
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TRENCHLESS TECHNOLOGY (PIM & CONSPLIT)

DIRECT BURIED PLASTIC MAINS & SERVICES

INSTALLING A SERVICE/MAIN USING INSERTION METHODS

NON-STOCK TRACE-SAFE KEVLAR COATED (YELLOW) #19 AWG TRACER WIRE MAY BE TAPED TO PLASTIC PIPE AT APPROPRIATE INTERVALS FOR INSTALLATION PURPOSES. (SPOT-BUY: CHASE CORP. 1-800-354-5445, CUSTOMERSERVICE@CHASECORP.COM, WWW.CHASECORP.COM). ATTACH TRACER WIRE AT EACH END OF THE METALLIC SLEEVE BEFORE INSTALLING CIPL OR ROLL-DOWN PIPE.

FOR NEW AND REPLACEMENT DIRECT BURIED MAINS OR SERVICES (EXCLUDING TRENCHLESS AND INSERTIONS) INSTALL AT A MINIMUM #14 RED OR YELLOW INSULATED COPPER TRACER WIRE (E.G. 12 AWG YELLOW [CLASS/STOCK #563-0040]). TAPE TRACER WIRE TO PLASTIC PIPE AT 20' TO 30' INTERVALS.

A MINIMUM #14 AWG RED OR YELLOW INSULATED COPPER TRACER WIRE (E.G. CLASS/STOCK #563-0040, #12 AWG YELLOW), MAY BE TAPED TO THE PE PLASTIC PIPE AT 20'-30' OR AT APPROPRIATE INTERVALS. FOR INSERTIONS WHEN TIGHT TOLERANCES BETWEEN THE CASING AND THE PLASTIC TUBING PROHIBITS THE INSTALLATION OF TRACER WIRE, GAPS IN THE CASING MUST BE JUMPED WITH TRACER WIRE AND BROUGHT TO THE TOP OF THE TEST/CURB VALVE BOX OR OUTSIDE RISER. SEE NOTE G.

NOTES:

- A - CONNECT NEW TRACER WIRE TO EXISTING TRACER WIRE USING APPROVED CONNECTIONS (USE C/S #571-0312 FOR #12 WIRE; AND C/S #571-0313 FOR #10, 12, AND 14 WIRES.)
- B - THERMIT WELD (WITH SLEEVE ADAPTER INSTALLED ON THE STRIPPED END OF THE WIRE) ARE THE PREFERRED METHOD FOR ATTACHING TRACER WIRE TO A METALLIC PIPE OR SLEEVE. IF THERMIT WELD IS NOT PRACTICAL, APPROVED MECHANICAL CONNECTION (C/S #342-0073 FOR 1/2" TO 1" PIPE SIZE; C/S #342-0074 FOR 1 1/4" TO 2" PIPE SIZES) IS ACCEPTABLE. CONTACT CORROSION CONTROL FOR MECHANICAL FITTINGS FOR PIPES > 2".
- C - IN ADDITION TO TRACER WIRE, ELECTRONIC MARKERS MUST ALWAYS BE INSTALLED AS PER DWG. #502664 AND DOCUMENTED WITH MEASUREMENT ON THE "AS-CONSTRUCTED DRAWING."
- D - FOR MAINS, BRING TRACER WIRE TO THE TOP OF 4" X 4" BOX AT INTERVALS NOT TO EXCEED 1000'. FOR SERVICES, BRING TRACER WIRE TO THE TOP OF CURB VALVE BOX OR RISER ON THE OUTSIDE METER SET.
- E - TRACER WIRE MAY NOT BE WRAPPED AROUND THE PE PLASTIC PIPE AND CONTACT WITH THE PE PLASTIC PIPE MUST BE MINIMIZED. SEE G-8100 & G-8005
- F - WHEN BRINGING TRACER WIRE UP TO A RISER, OR WITHIN A VALVE BOX THE BARE END OF THE WIRE SHALL BE TAPED TO PREVENT DIRECT CONTACT WITH THE RISER, OR METAL SURFACE.
- G - FOR GAS MAINS AND SERVICE INSERTIONS USE EITHER OF THE FOLLOWING METHODS FOR TRACER WIRE INSTALLATION:
 - 1) TAPE TRACER WIRE AT 20-30 FT INTERVALS OR AS DEEMED APPROPRIATE TO PLASTIC MAIN/SERVICE TO BE INSERTED, AND BRING ONE END OF THE TRACER WIRE TO THE TOP OF A VALVE BOX. OR
 - 2) BEFORE PIPE INSERTION, JUMP THE GAPS IN THE CASING WITH TRACER WIRE, AND THERMIT WELD THE TRACER WIRE ON EACH END OF THE CASING. IF THERMIT WELD IS NOT PRACTICAL, USE AN APPROVED MECHANICAL GROUND CLAMP. BRING ONE END OF THE TRACER WIRE TO THE TOP OF THE VALVE BOX.

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CONSOLIDATED EDISON COMPANY OF N.Y., INC.
GAS_ENGINEERING_DEPT

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DWG. NO. 600344

REV. 01