Tracer Wire Detail

Notes:
1. Tracer wire is not permitted to terminate inside of a chamber.
2. Tracer wire is not permitted to run on top of a chamber.
3. Tracer wire may run through a chamber at depth of the watermain until directly under a locate post then be brought up into the locate post (Detail 1 below). Alternatively, tracer wire may run around the outside of the chamber at the depth of the watermain until directly under a locate post then be brought up into the locate post (Detail 2 below).

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1. To be interpreted in conjunction with the current Water Transmission and Distribution Policies and Design Guideline and the Approved Manufacturers’ Products for Linear Water Systems list. Tracer wire to be installed as per the City’s Tracer Wire Installation Standard.
2. Hydrant test station conduit shall be a minimum of 25mm installed to a depth of 600mm below grade.
3. All connections must be waterproofed.
4. Splicing of tracer wire is not allowed unless specified or approved.
5. Heat shrink is to be completed by a heat gun and not using an open flame.
6. SnakePits are to be placed inside of a 5SL road leveler with lid.

Approved Flushmount Test Station (Side View)

Tracer wire attached to set screw, on curb stop and main stop

Test station conduit

Valve chamber

Tracer wire tapped to pipe at 3m intervals

Cap

Grounding anode

PVC watermain

Ground Surface

Test station

25mm conduit

Property Line/ 
Street Line

Approved flushmount test station

Valve chamber

100mm or greater water service

50mm or smaller water service

Tracer wire to hydrant looped and taped together

Test station with jumper at back of hydrant with wires left looped and uncut inside. Minimum 2m of additional wire pigtailed inside conduit

Continuous #12 AWG tracer wire

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