

ECI Conduit Proving and Blowing Procedure:

Daily Safety Tailboard required, prior to start of work

Access conduit located in Manhole Vaults with the following requirements:

- Provide Confined space air monitoring equipment, fresh air blower, blower hose, ladder, electric pump, generator, communications radios and cell phones at each location.
- Pump out water from structure.
- Do Confined Space Entry , Permitting and Retrieval Systems (per location).
- Provide Entrant's , attendant , and additional labor at each location.
- Provide line truck with take-up reel or green-lee winch at each receiving location.

Clear debris by blowing air into conduits with the following requirements:

- Install a double seal blowing device connected to an air compressor and hand operated ball valve controlled by the vault entrant. Install it in the upper left row of racked conduit to receive on upper right of the opposite receiving conduit end. Note: pre-establish the blowing pattern during the tailboard to insure 'STAR' Protocol. Stop, Think, Act, and Review.
- Insure all entrant's, and attendant's are wearing safety glasses or face shields, hardhats, and hearing protection. **Do not place any body part in front of blowing or receiving end!**
- Notify the receiving end that the conduit is to be pressurized to clear it of any water or loose debris. The receiving end is to repeat the notification. And notify the sender that they are "clear and out of the way".
- Slowly pressurize the conduit to sense resistance, with the receiving end listening for a hollow air sound or gurgling. Increase air pressure as needed to send any debris trapped inside out the other end.

Repeat at appropriate stages in a clockwise direction to receive in a counter-clockwise direction.

Continue this process with all of one size conduit. Then proceed to the next smaller size until complete. (i.e. 6" to 4" to 2")

Install and blow pull-string and blowing device with identical procedure.

Install a pull string, mule tape or rope, in progressive increments to obtain the desired strength for mandrel placement.

Re-pressurize /blow each conduit after mandrel process is complete to 'clear' any latent debris.