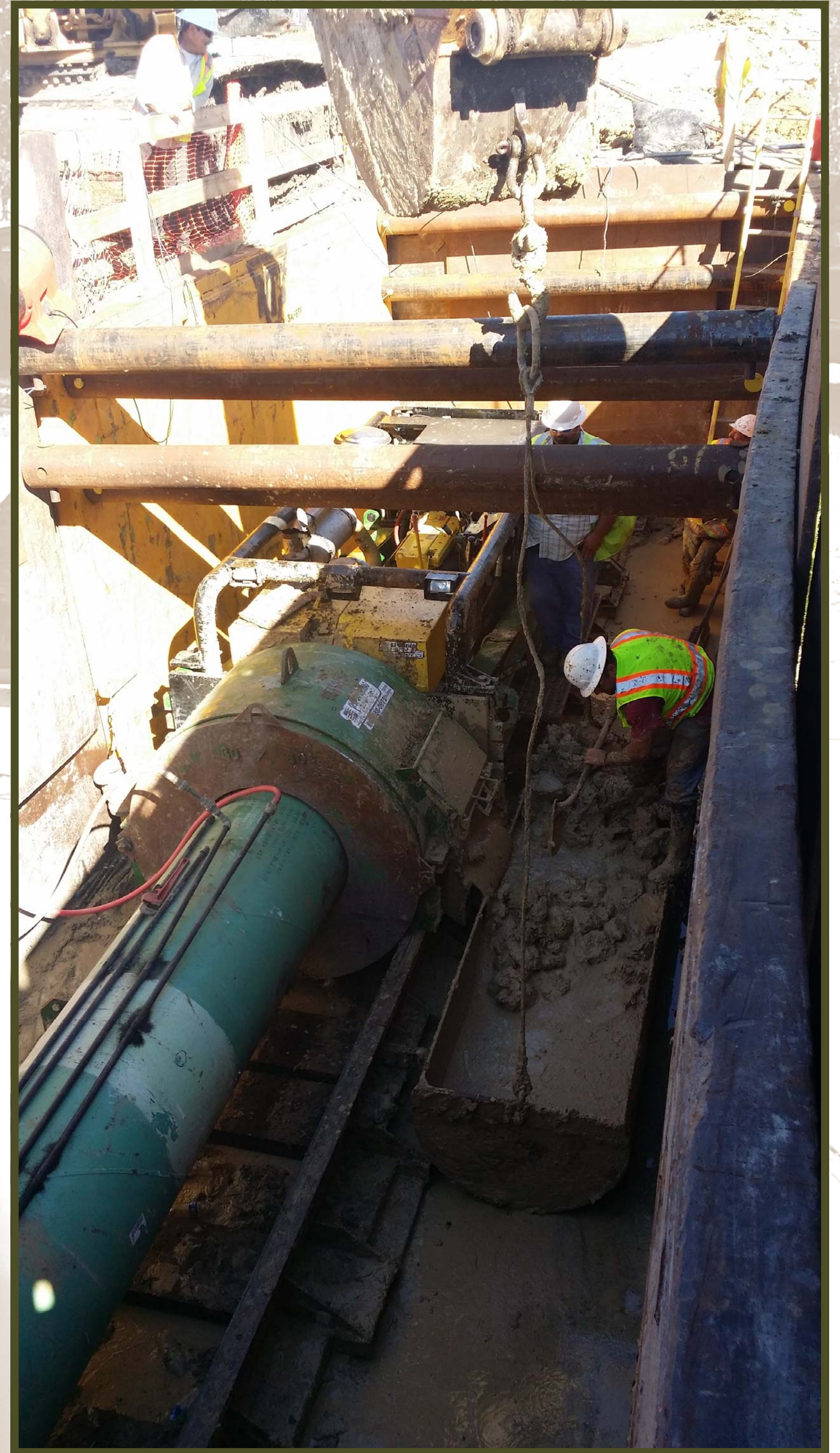


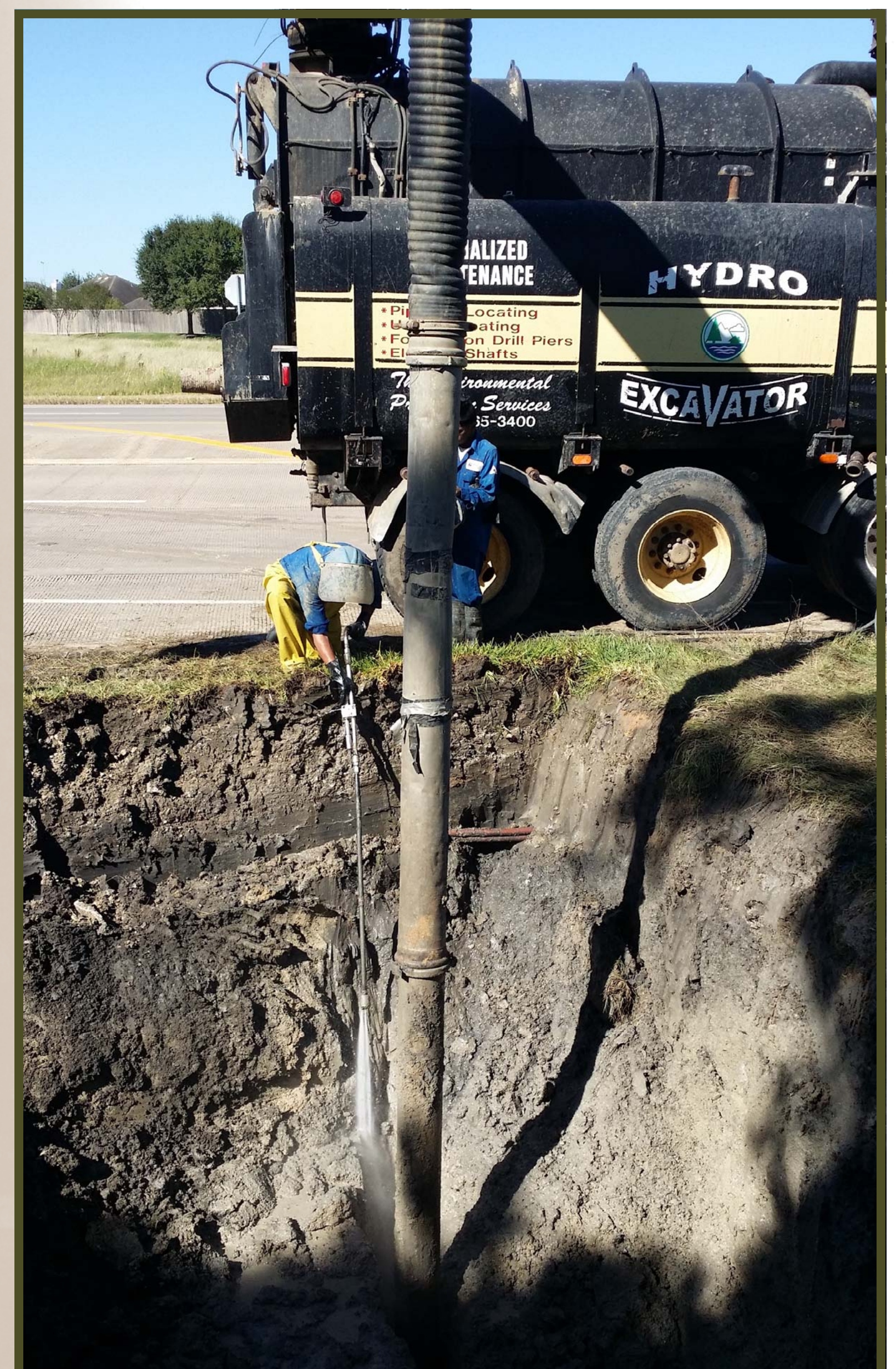
McHard Road Waterline

The City of Pearland (The City) retained **GC Engineering, Inc.** (GCE) to provide engineering design and construction services for a 6.5 mile long, 16-inch diameter waterline from SH-35 to Business Center Blvd. in Pearland, Texas. The McHard Road 16-inch Waterline is a key component of the City of Pearland's long-term water system plan.



GCE services included:

- Analysis of existing and future water demand from the east side to west side of the City and the current supply deficiencies.
- An alternative analysis to convey water from east side to west side of the City which would stabilize system pressures and enhance fire flows.
- Design of the waterline with connections to the existing system at eight major intersections.
- Design of jack and bore systems at three major stream crossings.
- Evaluated various pipe materials including Ductile Iron (DI), Polyvinyl Chloride (PVC), High-Density Polyethylene (HDPE), and steel pipe.
- Coordinated and obtained encroachment approvals from TxDOT, Monument Gas Pipeline Company, Kinder Morgan, and HPL Corporation.
- Used alternative bidding for PVC and HDPE pipe in order to maximize cost savings.
- Provided construction support services.



GC Engineering, Inc.