

DGL Consulting Engineers, LLC

Project Name:

Detroit Avenue Public Utility Extensions serving Hospice of Northwest Ohio

Client Name:

Medical College of Ohio
(now the University of Toledo)

Construction Cost:

\$ 200,000



Hospice of Northwest Ohio

Description:

Hospice of Northwest Ohio purchased a parcel of land from the Medical College of Ohio (now the University of Toledo) for the purpose of building a new facility (see photo above). The purchased property is located along Swan Creek, west of Detroit Avenue and north of Arlington Avenue. In order to utilize the previously undeveloped site, it was necessary to bring 8-inch sanitary sewer and 12-inch waterline service to the site from the vicinity of the Arlington/Detroit intersection. As a part of the purchase agreement, MCO was to provide engineering and construction phase services for the work, and retained DGL for this purpose.

Arlington Avenue is a boulevard in the vicinity of the existing sanitary and water facilities to which connections needed to be made. The existing sanitary sewer is a 40 foot deep, 30-inch interceptor, located in the Arlington Avenue median. The existing 12-inch water line is located on the south side of Arlington Avenue. The approximate length of work for each utility is about 1000 feet.

Highlights:

- Special construction procedures were required for the installation of the 40-foot deep drop manhole over the sanitary interceptor
- Construction zone for the drop manhole required closing the eastbound Arlington Avenue lanes at Detroit Avenue and maintaining two way traffic over the existing westbound lanes
- Steel pipe encasements under Arlington Avenue were bored for sanitary sewer and water line
- Property easement was provided for sewer and water lines from transfer of the utilities upon acceptance to the City of Toledo for public use and maintenance
- Ohio EPA antidegradation requirements were met through the installation of eleven interior chimney seals in sanitary sewer manholes in the area but off site



DGL Consulting Engineers, LLC
3455 Briarfield Blvd. - Suite E
Maumee, OH 43537

419-535-1015
www.dgl-ltd.com