

LPG Tank Foundation

American Tank & Vessel/Chesapeake, VA

The project's scope of work included installation of a 121' diameter mat foundation supported on 236 piles. G.R. Birdwell Construction was required to build the foundation on a temporary sand pad that was removed after the concrete reached design strength. The foundation was designed to support the liquid propane tank, and the air space between the foundation and the ground insulates the ground from freezing. The pressurized double wall tank required the installation of 167 straps and anchor bolts with a very stringent location tolerance. The concrete was installed in accordance with the strict tolerances required by API-650.

