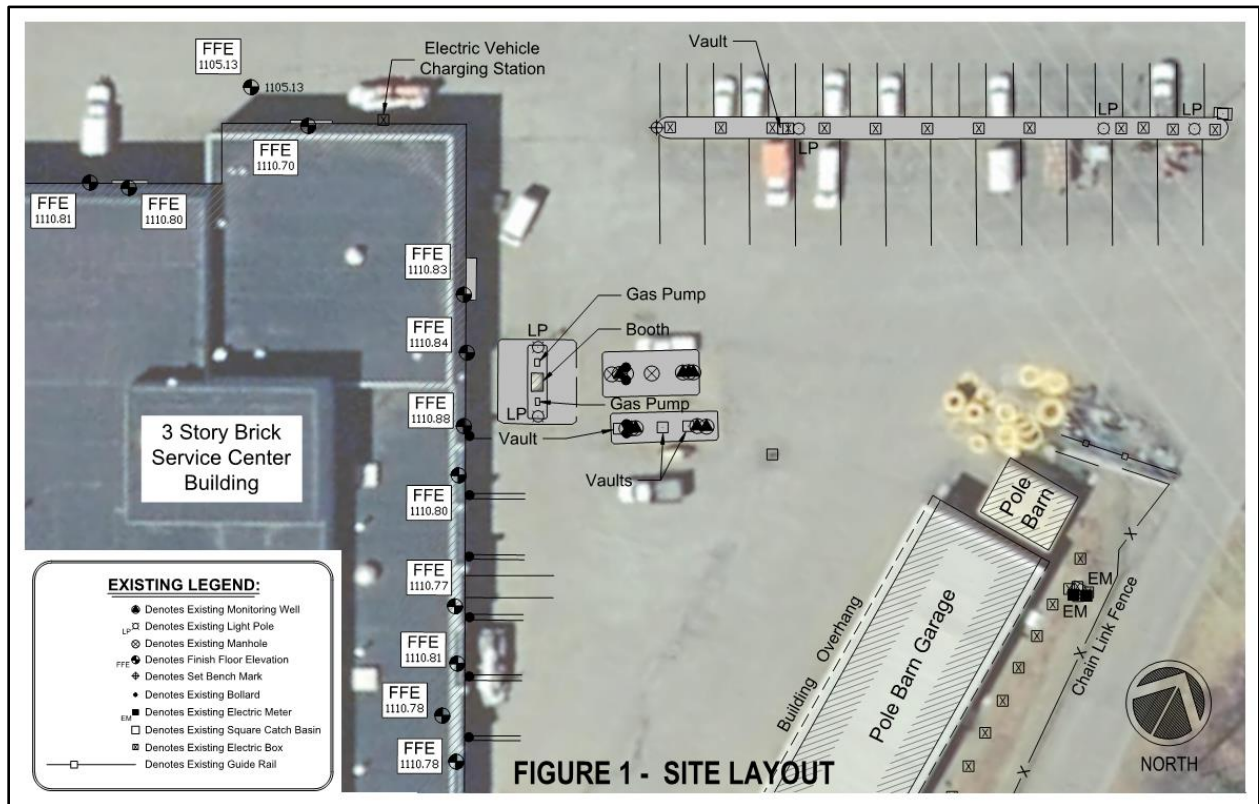


# SUMMARY OF THE WORK

## 1.0 Background and Introduction

Delta Engineers, Architects, Land Surveyors & Landscape Architects, DPC (Delta) has been retained by Avangrid to replace the existing 10,000-gallon, underground diesel, and gasoline fuel storage tanks with a new 8,000-gallon above-ground storage tank (AST) for diesel fuel storage at their Ithaca Service Center located at 1387 Ithaca-Dryden Rd, Ithaca, NY 14850. Based on New York State Department of Environmental Conservation (NYSDEC) registration information, the gasoline underground storage tank (UST) is constructed of fiberglass coated steel and was installed in 1987. The diesel fuel UST is constructed of fiberglass coated steel and was installed in 1990. In addition, it is reported that the gasoline UST is currently empty and not in service, however the diesel tank remains operational. Dispenser pumps are located on a concrete fueling pad, just west of the UST locations. A site layout plan is included below as **Figure 1**.



## 2.0 Summary of the Work

Avangrid is standardizing their facilities to utilize aboveground fuel storage tanks (ASTs) for diesel fuel to be used in their fleet vehicles. USTs and their associated dispensers, monitoring and control systems will be completely removed and replaced with new ASTs, upgraded dispensers, monitoring and control systems.

Some of the Avangrid components such as their card reader system will be retained for re-use as they are currently state-of-the-art and compatible with the corporate computer systems.

The AST planned for the Ithaca Service Center site will be an 8,000-gallon double-wall vault-type diesel tank, with a remote fill containment and tank heater system. The new installation will include a dual-hose dispenser, new LED lighting, and will re-use the existing weather-proof card reader. A photo of a similar tank and dispenser pump system at an AvanGrid Site in Lancaster NY is shown in Figures 2 and 3 below.

The new tank and dispenser system will be located approximately in the same location as the existing fuel island and the former location of the USTs will be backfilled, compacted, graded and paved.



**FIGURE 2**

Card Reader, dual dispenser pump and vault-type AST at Avangrid's Lancaster NY site. Note LED light and pole to rear of tank and to the left of the dispenser – the Ithaca site will use a dual arm luminaire rather than a single arm to provide a broader light footprint.



**FIGURE 3**

Remote fill containment box mounted to tank

Included with this Planning Board Submission are all site civil engineering drawings, and the electrical detail sheet which depicts the location and layout of the proposed LED light fixtures.

On behalf of AvanGrid, Delta thanks you for considering this site design and approving the project to move forward to bidding and construction.