



BERNER CONSTRUCTION, INCORPORATED PROJECT SUMMARY

Project Title: Civil Sitework for a Former MGP Site

Location: Winston-Salem, NC

Scope: Provide labor and equipment for the installation of a foundation system for a multi story Research and Development facility constructed for Wake Forest University. The project site was located on a Brownfields site that was a former Manufactured Gas Plant (MGP)

Berner Construction was contracted to complete the earthwork and foundation installation associated with the construction of the new Research and Development Building for Wake Forest University. Berner Construction was selected by the Construction Manager because of our expertise in working on MGP sites and our experience with the installation of building foundations. The site contained residual levels MGP compounds including low concentrations of polyaromatic hydrocarbons (PAHs).

The project involved excavation, rebar installation, formwork, alignment and grading, and placement of concrete for the building footers and foundations in PAH contaminated soils.



Concrete Placement Using 35m Concrete



Perimeter Footers and Anchor Bolts

Rebar, rebar mats, and anchor bolts were installed in accordance with the civil design for the building. The foundation system included approximately 600 linear feet of perimeter footings, 36 perimeter and intermediate building column foundations, and footers and foundations for the loading docks, elevator pit and stair towers. The project required the placement of approximately 500 cubic yards of high strength concrete.