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PROJECT SUMMARY

Project Title: **Construction Management Services for Former Manufactured Gas Plant (MGP) Site Remediation**

Location: Sea Isle City, New Jersey

Scope: Provide Construction Management and Oversight services for the excavation and off-site disposal of MGP-impacted soils, installation of sheet pilings and deep wells for excavation dewatering, and installation and operation of a water treatment system

Berner Construction was contracted by GEI Consultants to provide construction oversight services for the remediation of a former MGP site owned by Jersey Central Power and Light (JCP&L) located in Sea Isle City, New Jersey. The project involved oversight of the remediation contractor to ensure that the remedial action was completed in accordance with the project specifications, NJDEP regulations, and that work was conducted in compliance with OSHA Health and Safety regulations.

Installing Sheet Piling

The Sea Isle City site was used for manufacturing gas from coal in the late 1800s and early 1900s. The MGP facility was razed in the 1940s, except the holder and tank. In 1978, the site was subdivided into the current three lots. In the early 1980s, pile supported residential dwellings were constructed on two of the lots. In 1987, an underground storage tank was removed and a 6-inch layer of clean sand was placed over the lot which was then paved with asphalt. The dwelling on Lot 23 was taken down in 1988 and in 1990 two of the lots were graded and paved with asphalt. One of the residential dwellings was moved prior to the start of the remediation effort.

The overall project scope included the following activities:

- Excavation of MGP-impacted soil and soil containing residual product (DNALP tar)
- Installation of vertical sheet pile to prevent migration of contamination
- Excavation dewatering and on-site treatment and discharge of pumped water
- Transportation and off-site disposal via thermal desorption of excavated soil
- Demolition of former site features encountered in the excavations
- Control of emissions with a temporary structure around the excavation area
- Air monitoring
- Site restoration, including backfill

Backfilling Excavation Area

1101 Quarry Road ° Gap, PA 17527 ° (717) 442-3110 ° (717) 442-0457 fax ° website: www.bernerconstruction.com