

## SCI Smithfield

### Underground Hot Water Line Replacement

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S.P. McCarl was the general contractor working for the PA Department of General Services to provide replacement of a failing direct buried hot water heating distribution system. The scope included surveying, excavation, concrete structures and piers, structural steel supports as well as the distribution piping system which started at the boiler house and was distributed to fifteen occupied housing units and support buildings. Extensive coordination and cooperation with the using agency was required to meet the tight 325 calendar day contract duration

Pipe fabrication outside of the complex was utilized to minimize field labor. Multiple excavation and piping crews worked in numerous sequenced areas to maintain the schedule.

S.P. McCarl designated one specific crew to focus on the preparation work for final turnover from the existing permanent heating system in all 15 occupied buildings. This allowed the numerous other crews to focus on the excavation work outside of the manholes and extended piping systems. All crafts were able to optimize their ability to meet the challenging schedule, providing excellent quality and minimal rework.