

### Client:

Fishbeck, Thompson, Carr, & Huber

### Project:

Prior to excavation as a part of a repair project in front of historic Spartan Stadium at Michigan State University, the engineering staff needed to locate all utilities. In addition, they needed to know the depths of the utility lines in order to avoid unnecessary mid project design changes and/or damages to existing utilities during the excavation process. After location and identification all utilities were to be marked and transposed to engineering drawings provided by the client.

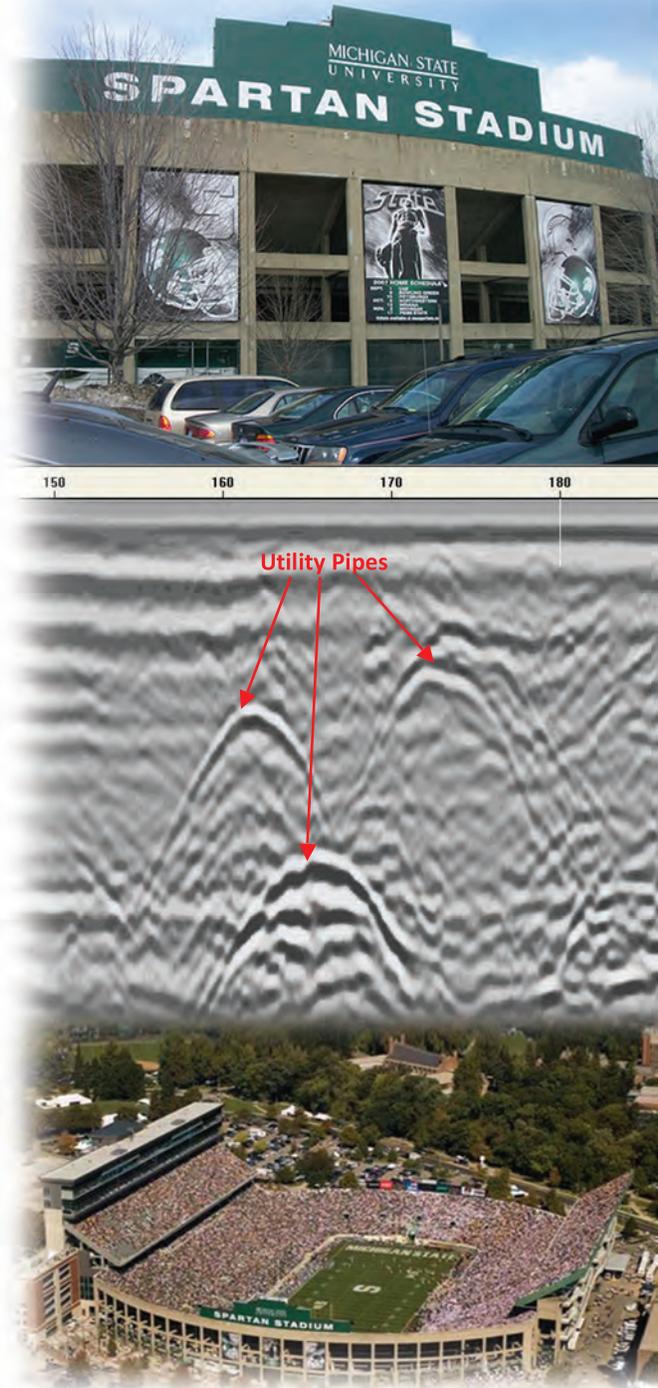
### Plan:

Diamond Subsurface Imaging developed a plan to survey of subsurface ground by using Ground Penetrating Radar—GPR SIR 20 systems, with Radan software and onsite 3D capabilities.

### Process:

Over a 5 day period over 7000 linear feet of Subsurface imaging was performed by a Diamond GPR technician. Using a 400 mHz antenna and radio frequency locating equipment Diamond Located and verified the depth all utilities in the scanned area.

Continued on back



## Outcomes:

By locating and verifying the depth of all utilities Diamond was able to deliver to FTC&H engineers integrated mapping of all findings. According to John Lefevre, FTC&H project manager; “This is one of many projects for which we’ve used Diamond Subsurface Imaging, as always they provided the high-level results that we’ve come to expect from them.”

As a “customer-first” company, Diamond is widely recognized as a process and technology leader. It provides subsurface imaging (ground penetrating radar — GPR) services to satisfy the needs of knowledgeable customers throughout the country who demand immediate and safe solutions, within budget, and on-time. As only one of a few companies in the industry where all operators are OSHA and CPR Certified, Diamond provides customers with the assurance of a safe operational environment. Proven knowledge and expertise, immediate availability, safety, on-time completion and continuing innovation makes Diamond the sensible choice for GPR services.

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