

**With over 16 years of experience in the field we have become an expert in instrumentation and station installations. QuakeLogic engineers will define with you the best solution and provide a quality service to ensure optimum performance of your monitoring systems.**

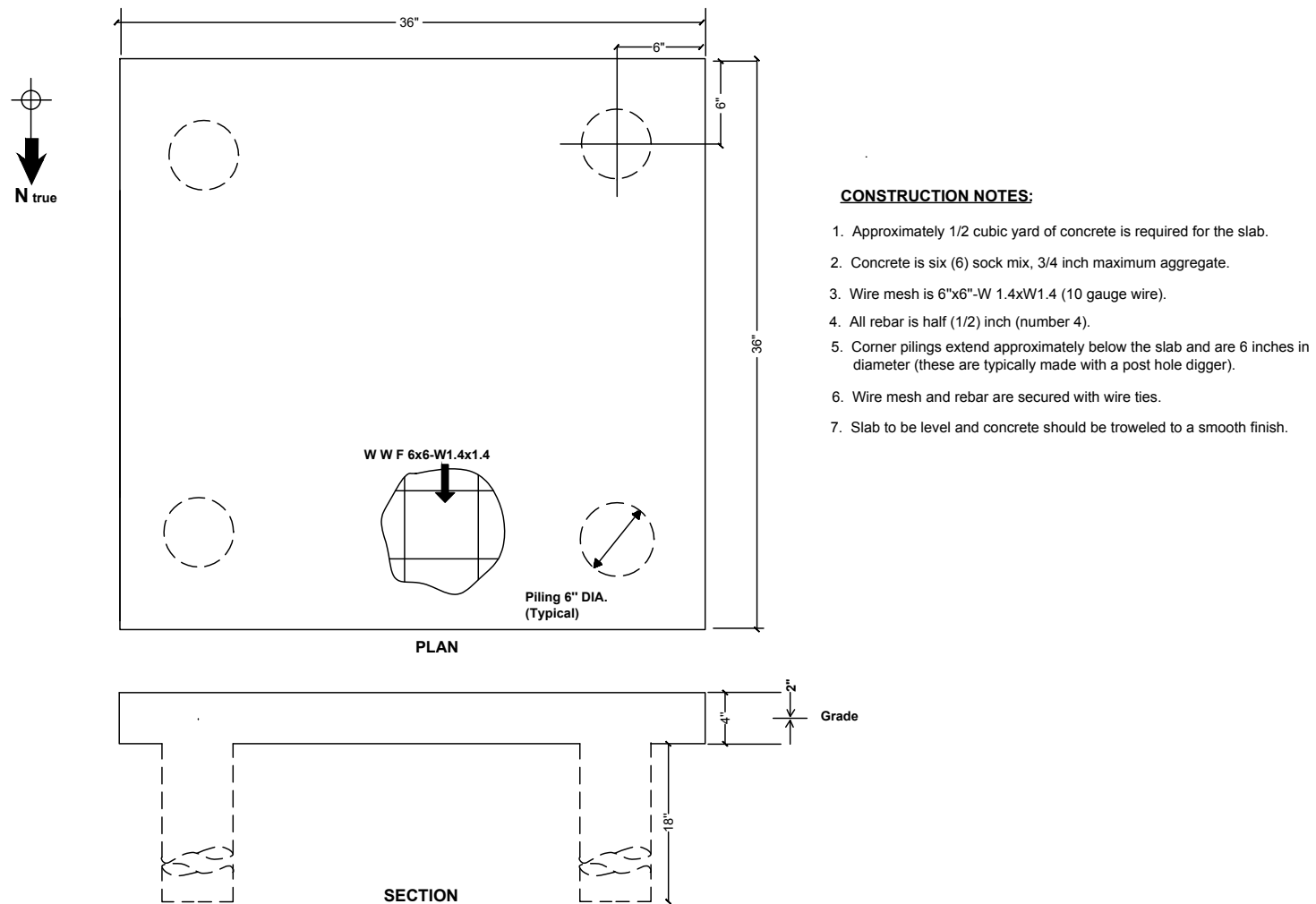
## **FREE-FIELD SEISMIC STATION INSTALLATION DETAILS**

Free-field seismic stations often houses a triaxial accelerometer and a recorder to measure ground motion away from the structures. These stations use a "T-hut" (Figure 1) mounted on a concrete foundation, details of which are shown in Figure 2.



**Figure 1.** Photograph of a typical free-field station where a triaxial accelerometer and a recorder are installed to measure ground motion away from structures that are being seismically monitored (U.S. Geological Survey photograph).

## Foundation Design for Strong Motion Free-Field Station



**Figure 2.** Foundation details for free-field ground-motion recording stations.

November 26, 2020

Ver: 1