Site 44ST0286 was a Civil War encampment occupied by the 2\textsuperscript{nd} Brigade, 1\textsuperscript{st} Div., V Corps in 1862-1863. The site holds historical evidence from this Union encampment, but is threatened by impending construction. To preserve the history of the site, a portion has been studied using multiple techniques. Fieldwork conducted in 2007 identified well preserved site remains that included hut and hearth features. Additional fieldwork was conducted on a section of the site to be lost that included both archaeological recovery and GPR studies. After conducting GPR examinations of known structural features that had been exposed archaeologically, sectors of the encampment marginal to those excavations were examined to determine if GPR could be used to identify the larger pattern of camp layout. This paper discusses the results of the study.