

Geophysical Survey and Investigations, Conway BGR, SC

USA provided Geophysical Survey and UXO Investigation at the Barefoot resort within the former Conway Bombing and Gunnery Range (BGR) under 4 phases to Centex Homes from 2004 through 2006.

In Phase I, USA was contracted to perform a subsurface geophysical survey to provide Centex Homes a structured approach as their basis to make informed decisions regarding land use based on quality sensor site characterization data. USA safely and efficiently conducted this characterization using SAIC's Vehicular Simultaneous Electromagnetic and Magnetometer System (VSEMS) towed array. USA also established and maintained a Geographical Information System (GIS).



In Phase II, USA performed a DGM survey and site investigation sampling and characterization at the Centex property. USA confirmed the presence of 100 lb. practice bombs throughout the area geo-surveyed and investigated and recovered five live spotting charges, including the 25 lb. practice bomb. USA also provided UXO avoidance to Centex personnel and performed target investigation after the completion of the geophysical survey.

For the Phase III investigations, USA provided DGM and mag & dig investigations to complete small missed and inaccessible areas resulting from the previous investigations. The manual system for DGM deployed was an EM61-MK2 all metals detector with an integrated Real Time Kinematic Differential Global Positioning System (RTK DGPS). All detected UXO/MEC and munitions debris were investigated to depth, identified, and excavated from the subject parcels.

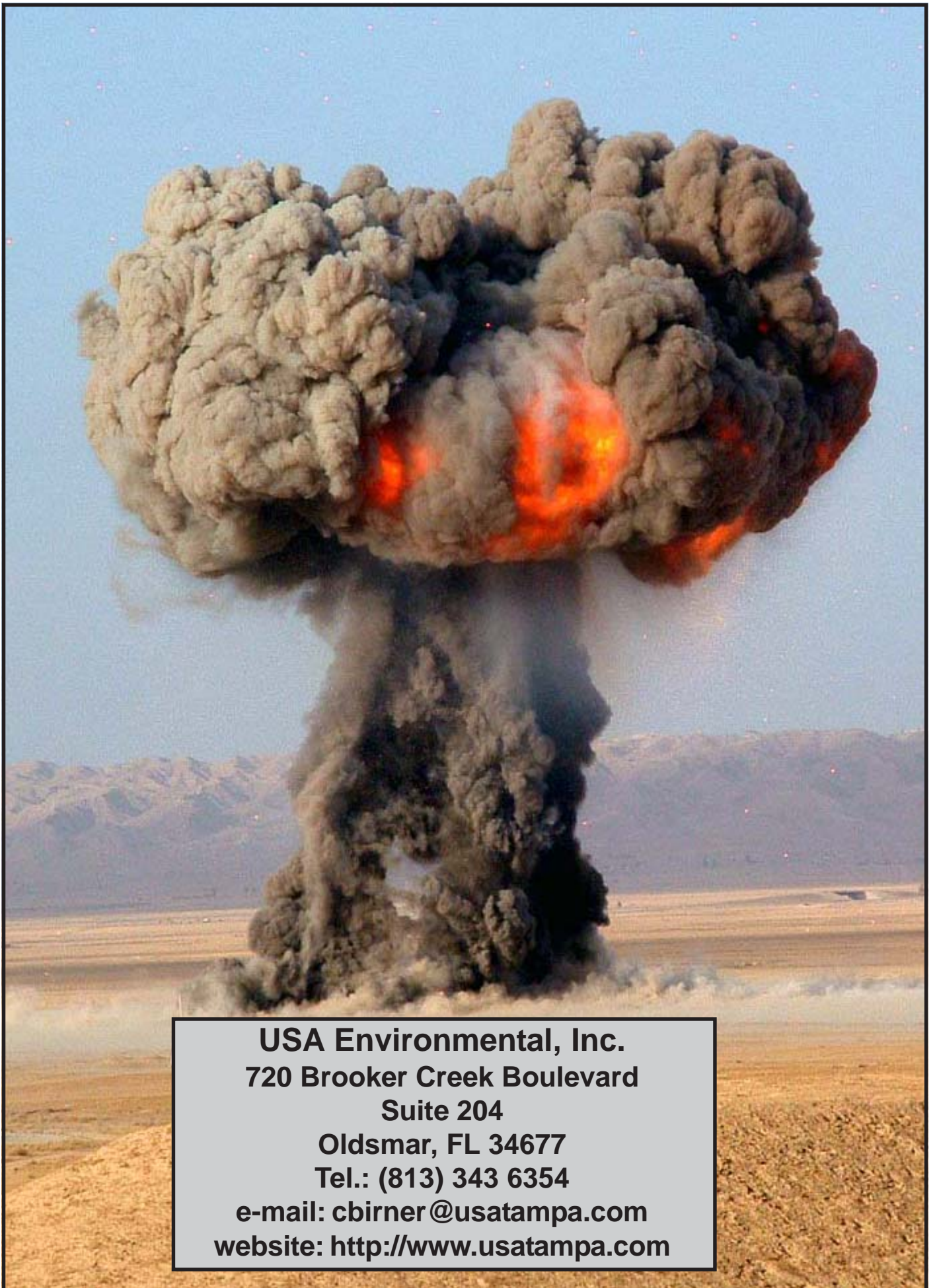
Phase IV was implemented to provide DGM and mag & dig investigations on previously inaccessible areas encountered during Phase I, II, and III. 187 targets that were identified in the DGM survey were investigated to depth. All target anomalies were investigated to depth, identified, and excavated from the subject parcels as part of this Phase IV investigation. All anomalies were identified as construction debris. Throughout operations of all phases, USA performed QC inspections and performed site-specific training for all personnel assigned to this project. All field efforts were performed in accordance with U.S. Army Engineering & Support Center, Huntsville specifications. The phases were completed with no accidents or incidents. Upon completion of each phase, USA provided a final report to Centex.



UXO Removal & Geophysical Survey, Camp Blanding, FL



USA was contracted by the Clay County Board of County Commissioners Engineering Department in 2004 to perform a Geophysical Survey and UXO Removal, South of the Trail Ridge Site at Camp Blanding. The area south of Trail Ridge Site between West Lake and Blue Pond is approximately 3.5 acres consisting of 75% dense vegetation and 25% lowlands and wetlands. Since WWII, this site was used as an impact area for small arms ammunition, which is its intended use in the future. The purpose of this project was to clear an area to allow for the construction of a pipeline between West Lake and Blue Pond. The concern with the area was the potential for any buried munitions or an errant round from years past posing a hazard for the pipeline construction. USA performed vegetation removal, UXO removal, and a geophysical survey to collect geophysical data. No UXO items were discovered during the intrusive investigation of the selected anomaly targets. USA recovered, inspected, and certified 6 pounds of Munitions Debris and 25 pounds of miscellaneous metal scrap/debris.



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