

Technical Memorandum

Date 6 May 2009
To Bob Brock/USACE
From Terry Heikkila, PE
Subject Taku Gardens Light Post Locate and Clearance Tech Memo

The objective of this technical memorandum is to describe the procedures that will be followed in 2009 to support the upcoming installation of light posts at Taku Gardens. Work will be conducted to clear the locations of 60 light posts at the site of munitions-related items and to characterize any contamination that may be present at these locations. This work will be conducted in accordance with Section 3.3.4 of the 2008 Drum and Debris Work Plan (Final).

Excavation and Sampling Activities

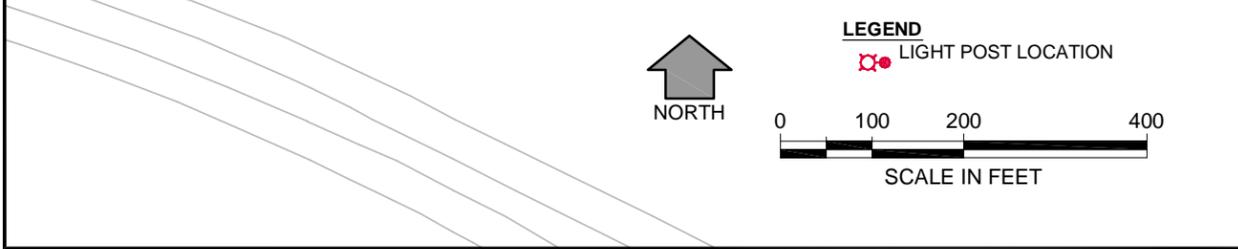
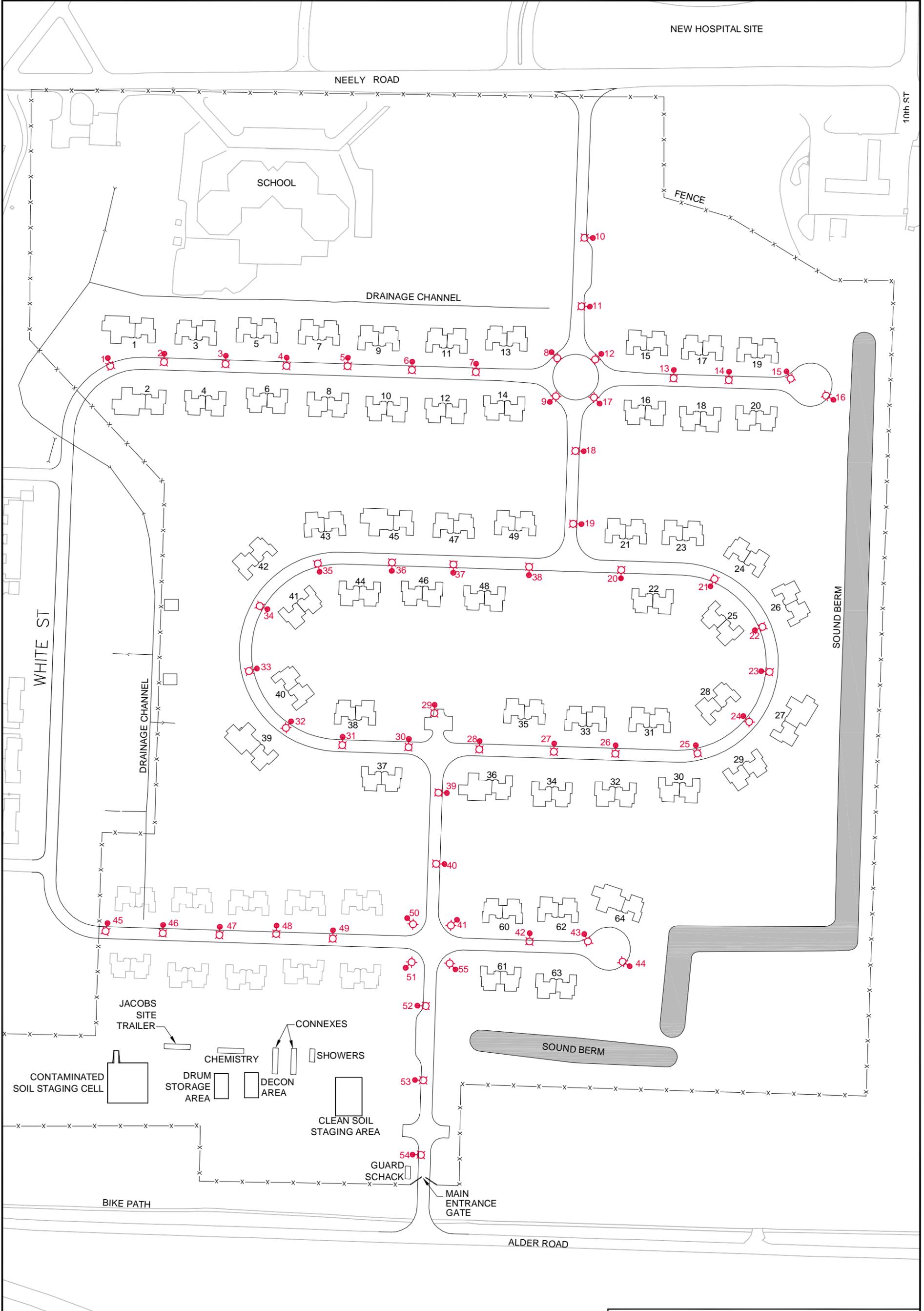
The purpose of this investigation is to identify and subsequently remove munitions-related items and other underground hazards that could potentially contaminate soil and groundwater at locations for future light posts throughout the site. The foundations for the light posts are expected to be set at 6 feet below ground surface (bgs). In general, excavations at each light post will be dug to a depth of 8 feet bgs to clear each location of MEC, metal debris, and soil contamination.

Site work will be conducted using a phased approach, as detailed in Section 3.3.4 of the 2008 Drum and Debris Work Plan (Final). The following tasks will be completed at the location of each light post to complete this effort:

- Excavation will continue to a minimum depth of 5 feet bgs in conjunction with magnetometer sweeps for metal debris and MEC clearance and PID field screening to locate potential soil contamination.
- All metal debris and munitions-related items will be removed from each excavation.
- Identification and segregation of all waste streams from each excavation will be performed, if necessary, in accordance with Section 3.3.4 of the 2008 Drum and Debris Work Plan (Final).

- Contaminated soil will be excavated and stockpiled. Stockpiled soil will be sampled per Section 3.3.4 of the 2008 Drum and Debris Work Plan (Final) as soon as practicable and will remain covered during project activities.
- If soil contamination is present in any excavation, soil characterization samples will be collected following soil removal, as described in Section 2.1.2 of the 2008 Drum and Debris Work Plan (Final). Exhumed containers with potentially hazardous materials or waste shall be sampled in accordance with Section 2.0 of the 2008 Drum and Debris Work Plan (Final).
- Each light post location will be surveyed by a certified land surveyor.
- All excavations will be backfilled to grade with clean soil. An open cylindrical space filler with a diameter of approximately 2 feet will be placed into each excavation centered on the geographic location of each light post.

Excavation size may be limited by groundwater or onsite structures. Excavation will not continue below the groundwater table except for removal of drums that are visible above the water table. Excavation in close proximity to housing will occur only where there is evidence of munitions-related items or contamination.



FORMER COMMUNICATIONS SITE LIGHT POST LOCATIONS		
FORT WAINWRIGHT, ALASKA		
PROJECT MANAGER: T. Heikkila	FILE NAME: Site Plan-Electrical.dwg	DATE: May 06, 09
JE	DRAWN BY: AV	LAYOUT TAB: Site Plan-Electrical
	FILE LOCATION:	FIGURE NO.: 1