

Demolition of 300' Communication Towers

Lualualei Naval Magazine, Waianae, Hawaii



Owner

US Navy, NAVFAC
Mr. Derek Sano CME

Location

Waianae, Hawaii

Contract Value

\$411,954

Start-Completion Dates

August 14, 2000

- Lead & Asbestos Abatement and Explosive Demolition of three 300' high radio transmission towers.
- Demolition of ten 30' high towers and 300sf shed included in scope.
- Removal of Underground Utilities also included

Project Description

Thirteen radio towers, considered obsolete due to new technologies employed in the communication with the Navy's fleet of ships and landside support facilities were demolished using explosives to blow out one leg causing the rest of the tower to topple and fall in a pre-determined zone. Geo-textile fabrics lined the ground to capture lead flakes that became dislodged during the demolition

Controlled Demolition Inc., famous for its "implosive" demolition of high rise structures, provided the explosive technology to fell the towers. The towers were prepared for demolition over the course of two weeks. On the designated day, the media was invited to observe the demolition. After one tower was felled to test the explosive charge required, the remaining two was felled at one time. Shears mounted on an excavator were used to cut the towers into manageable pieces and hauled to a scrap yard for re-cycling.



Company Role

The NAKOA Companies, Inc. was the prime contractor on this project. Controlled Demolition was the explosive subcontractor.

Special Notes:

- The NAKOA Companies, Inc. received an "Outstanding Performance" evaluation from the CME and Naval Comander for this project
- No Safety Incidents or Accidents were Reported
- Steel plates were used to line an underground utility corridor located in the drop zone of one of the towers. Concrete Piles were places on top of the plates to help cushion the impact of the falling steel tower. No utility disruptions were reported.

