

Project: Digital Multipurpose Training Range 23

Location: Fort Drum, NY

Contract Number:
DACA51-96-C-0088

Client:
US Army Corp of Engineers, New York

Contact:
William G. Ebersbach, Retired

Performance Dates:
September 1996-June 1998

Construction Value:
\$14.3M



Detailed Project Description

Civil Construction:

The project limits of this northern New York range encompassed several hundred acres of classified wetlands, requiring Tug Hill Construction to install and maintain numerous storm water retention basins throughout the site for protection of sensitive areas and several acres of new wetlands.

In addition:

- ◆ 14 Miles of Silt Fencing Installed
- ◆ UXO Identification and Reporting Required
- ◆ Existing Building Structures Demolished
- ◆ 4 Miles of Temporary Haul Roads Constructed
- ◆ 110,000 CY Topsoil Stripped
- ◆ Over 40,000 SY of Wetland Crossings Installed
- ◆ Over 35 Acres of New Wetlands Created to Mitigate Wetlands Directly Impacted by the Design
- ◆ Complete Potable Water System, Well and Sanitary Sewer System Constructed for the Site

The project also involved:

- ◆ Clearing and Grubbing of Over 300 Acres
- ◆ 600,000 CY of Excavation and Embankment
- ◆ Over 3 Miles of Storm Drainage Pipe Installed
- ◆ 15 Miles of Target Maintenance and Access Road Construction
- ◆ Installation of 21 Portland Cement Concrete Turning Pads
- ◆ Installation of a Helicopter Pad

Target Installation Included:

- ◆ 53 Stationary Armored Targets (SAT)
- ◆ 132 Stationary Infantry Targets (SIT)
- ◆ 7 Armored Moving Target Carriers (AMTC)
- ◆ 21 Battle Positions (with H-piles and timbers)

Architectural Construction:

In addition, the extensive support area required construction of 6 operational buildings.

New Metal Building Systems Included:

- ◆ A Control Tower
- ◆ Ammo Breakdown Building
- ◆ Multipurpose Building
- ◆ Maintenance Building
- ◆ Bleacher Enclosure
- ◆ Covered Mess

Final restoration of both downrange and support areas included topsoil placement and the application of seed and mulch.

Electrical Construction:

Tug Hill Construction extended an existing aerial primary electric system from 5 miles off-site to provide power to the range. Electrical service was extended underground to all downrange target areas. All electrical & HVAC was installed for operation of the various structures.



**Overall Performance
Evaluation Rating:**
SATISFACTORY

