

WESTWOOD ESTATES



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Project Size:
+\$350,000
Project Service Dates:
October 2004 to Present
Project Location:
Westhampton, New York



Project Objectives:

The Westwood Estates site was a former sand quarry located on an +8-acre parcel of undeveloped native Pine Barrens land within the unincorporated hamlet of Westhampton, New York. On-site reconnaissance surveys and aerial photo analysis identified evidence of extensive illegal solid waste landfill disposal, surface grading, and vehicle traffic disturbance within the former quarry area. Subsequent analysis confirmed that solid waste had been illegally landfilled at the site over a period of 10 years.

Project Work Tasks Included:

Landfill Site Environmental Audit

- Review and evaluation of historical site data;
- Worker's Health and Safety Plan Preparation;
- Comparative analysis of available aerial photos;
- Site characterization investigation sampling plan preparation;
- Site investigation monitoring of soil, groundwater, and landfill waste streams.

Waste Site Characterization

- Photogrammetric analysis of stereographic (3-D) aerial site images to estimate the volume of landfilled solid wastes;
- Soil sampling to evaluate impacts to on-site soils from the illegal landfill operations;
- Groundwater monitoring to determine impacts to groundwater;
- 3-D Modeling and cross-section analysis of the landfill;
- Field delineation of the landfill boundaries.

Solid Waste Disposal

- Waste profiling and manifesting;
- Excavation and segregation of illegal landfill;
- Transport and off-site disposal of illegally dumped solid waste material.

Regulatory Permitting

- Disposal permitting with NYSDEC;
- Review of Suffolk County waste disposal records;
- Site re-development permitting with the Town of Southampton.

Site Management Support

- Landfill closure alternatives analysis;
- Regulatory site closure support;
- Site residential redevelopment support.

