

Angle of Attack Land Surveying

Aerial Photography GPS Surveys Digital Mapping
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Survey Control Plan Hicksville Site

Existing site survey control will be researched and recovered as available. All recovered existing site survey control baselines will be checked and if found acceptable will be used for the project survey control.

Site control will be checked utilizing Leica dual frequency GPS units with Real Time Kinematic (RTK) capabilities and linked to the NY State DOT Spatial Reference network. Main baseline control points will be cross checked by static GPS observation sessions and processed in the frame work of the NOAA CORS reference network.

Site control baselines will be extended to individual project work areas utilizing traditional ground survey with Leica Robotic Total Stations. Total stations will be used to directly measure topographic points and to layout and stake positions prior to excavation. Grade checks will be made by direct measure as well as use of reflectorless laser technologies in areas where appropriate. Sample locations will be located by ground survey as well.

Reference grids based on a 15' grid pattern will be developed for each excavation. These points will serve as the survey control point framework for each excavation location during site work. These points will be restaked and topographic detail will be collected at each point during each phase of work allowing direct comparison of site data throughout remediation operations.

All information will be collected in a direct to digital format and all survey data will be cataloged and presented in an Autocad drawing format.

All survey operations will be conducted under the direct supervision on a New York State Licensed Professional Land Surveyor.

