



November 24, 2014

Michael P. Coghlan, CDF
Director of Facilities
2083 College Ave
Elmira Heights, NY 14903

**Re: Proposal for Boundary - Topographic Survey and Mapping Services
Horseheads Sing-Sing Road Campus**

Dear Mr. Coghlan,

HUNT Engineers, Architects and Land Surveyors, P.C. is pleased to submit this proposal for survey and mapping of the Sing Sing Road Campus.

Based on information obtained during a meeting with our architectural and site design teams, Jeff Robbins, RA and Dean Hackett, LA of our office, have identified the need for a boundary and topographic survey of the entire Sing Sing Road Campus (approximately 40+ acres) for the purpose of preparing design plans consistent with upcoming proposed projects.

We've reviewed the aerial ortho-imagery, along with tax maps and other mapping of the area to gain a clear understanding of the survey scope area.

Site Survey Scope of Services:

Survey Control (Horizontal/Vertical):

- Establish a closed loop traverse around the site area. Set or establish a minimum of two (2) permanent control points which will not be disturbed by construction operations. Provide ties for each control point and show on final survey drawings.
- Set or establish a permanent benchmark which will not be disturbed by construction operations (can use the horizontal control points, if suitable, as a vertical benchmark).

Basic drawing data and information shall include:

- North arrow (meridian indicated) and scale.
- Date of survey.
- Location and description of horizontal and vertical control points with coordinates and elevation as appropriate.
- Legend.

Property Line Survey:

- Deed and map research at the Chemung County Clerk's Office
- Reconnaissance of physical boundary evidence and monumentation necessary for use during analysis of record information to establish existing right-of-ways, easements, and property lines.
- Closed loop traverse (40+ acre perimeter)
- Show current ownership status of all adjoining properties.
- Calculations and boundary mapping

Above ground topographic features plotted to scale including but not necessarily limited to:

- Pavements and surfacing (indicate type, i.e., concrete, asphalt, gravel, brick, etc.).
- Curb or curb/gutter (indicate type).
- Size and type of trees and shrubs (where significant in nature).
- Telephone, power and miscellaneous poles.
- Utility appurtenances such as electrical transformers, manholes clean-outs, valve covers, fire hydrants, meters, vaults, inlets, catch basins and other features (identify).

Utility lines plotted to scale including but not necessarily limited to:

- Water lines, valves and hydrants.
- Sanitary sewer lines (indicate pipe inverts, sizes), manholes, clean-outs, septic tanks, holding tanks, etc.
- Storm sewer lines (indicate pipe inverts, sizes) manholes, curb inlets, area inlets, headwalls and special structures.
- Other utilities as may be present.

Elevation data including but not necessarily limited to the following:

- Contours at a 1 foot interval. Include adjacent streets and parking lots as necessary to establish existing conditions.
- Top and bottom of ditches or swales.
- Street centerlines and edge elevations.

Final mapping:

- Prepare completed topographic survey at a scale suitable to the designer.
- Forward one (1) Electronic Digital File in Civil 3D 2013 and two hard copies of the completed survey to the Architect or Engineer.

HUNT proposes a Lump Sum Fee of *Fifteen Thousand Two Hundred Dollars (\$15,200.00)*.

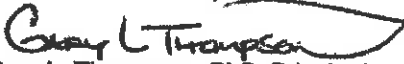
Survey field hours shall be compensated consistent with the current posted prevailing wage rate schedules and are included in the fee.

Surveying and mapping procedures shall be in accordance with standards of NYS Association of Professional Land Surveyors.

Should you have any questions, please contact our office. Thank you.

Cordially,

HUNT ENGINEERS, ARCHITECTS & LAND SURVEYORS, P.C.


Gary L. Thompson, PLS, Principal

cc: Jeff Robbins, RA
Dean Hackett, LA

Should the above proposal meet with your satisfaction, please sign below authorizing us to proceed.

Authorized signature _____

Date _____

