

LAND SURVEYING

MARCH TO JULY 2009

KEY PROJECT STAFF:

MATT HAHM, PE
PROJECT MANAGER

ANTHONY GROMACKI, PLS
PROJECT SURVEYOR

ANDY WELLS, EIT
DESIGN ENGINEER

CLIENT:

Milwaukee Metropolitan
Sewerage District (MMSD)

PRIME:

Short Elliot Hendrickson, Inc.

CONTACT:

Thomas R. Sear, PE, CFM

SERVICES & SOLUTIONS

- Topographic Survey
- Piezometer Validation
- Utility Survey
- Grading Plan



MAITLAND PARK GRADING PLAN **MILWAUKEE COUNTY, WI**

M Squared Engineering (**M²**) was retained by Short Elliott Hendrickson (SEH) to perform a topographic site survey and develop a grading plan for Maitland Park. This was part of the MMSD General On-Call Engineering Services Contract **M²** and SEH teamed up on. The ultimate goal of the project was to develop a detention area to reduce future flooding.

A topographic survey was performed for most of the park area. A small channel meandering through the park was also surveyed by providing 100-foot wide cross-sections at 50 foot intervals. The survey data gathered for the entire project included building corners, poles, trees (including diameters), fencing, pavement, sidewalks and paths. **M²** was able to complete the project within the budget after going back out to the site twice to survey piezometers installed after the original survey. This information was needed to valid the groundwater monitoring data.

A strategic grading plan was also developed by **M²** based on the site survey



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