Course:

TOPOGRAPHIC MAPPING USING SURVEY SELECTCAD V8

Course Description:

This 2 day course is designed for Surveyors and Engineers who are interested in learning how to apply productive techniques of mapping, site terrain modeling, and COGO layout commands to a project, using Survey SelectCAD V8. This course will focus on reducing field data collection into base mapping and digital terrain models. We use actual data sets focusing on DOT standards, similar to those in which the students may encounter in everyday work environment. After completion of this course a student would be able to apply productive techniques using Survey SelectCAD for base mapping, digital terrain modeling, creating alignments, and baseline/traverse reports.

Prerequisites:

Students should have experience in coordinate geometry and an understanding of field procedures for topographic surveys. Also working knowledge of MicroStation SE or J.

Date: Contact us for details.

Location: Contact us for details.

Enrollment Cost: $750 per student
                            Payment is due upon arrival.
                            Please make checks payable to Lee Green Consulting.

Contact:

To enroll, please call **315-831-8175** or send email to **Training@LeeGreen.com**. This class does have a limit of 15 students. If you have any questions about this class, or if you would like to schedule an on-site class, please call or email.

Course Outline:

☐ **1) SelectCAD configuration**
- Open from Start menu
- Open from MDL after loading Microstation
- Project Defaults paths
- Tool options
- Symbology Manager
- Preference Manager
- Feature Style Manager
- Locks

☐ **2) Getting accustom the user interface**
- Working with SelectCAD explorer
- Multi-user settings
- Customized tool bars

☐ **3) Surfaces**
- Digital Terrain Model (DTM)
- Survey to Surface
- import from ASCII
- triangulating
- Features
- Feature styles and symbology
- Creating and editing feature styles

☐ **4) Feature Definition Table**
- Feature definitions and control codes
  - Feature code properties
  - Attributes
  - Custom operations

☐ **5 Mapping Utilities**
- Connecting utility lines to structures
- Reducing measure downs from rim elevations
- Importing utility lines from graphics (requires Site or Inroads SelectCAD)

☐ **6) Surface editing and merging**
- Edit feature Point
- Reverse feature direction
- Delete and partial delete
- Generate sloped surface
- Isopach
- Transform Surface
- Feature Properties

☐ **7) Basic Geometry**
- Viewing Baseline alignment
- Edit alignments
- Cogo points
- Stationing and Reports

☐ **8) Traverses and Adjustments**
- Traverse Edit
- Compass closure, Transit closure, Crandall closure, Least Squares
- Export to StarNet