



Neri Carves Picture-Perfect Basins with Topcon 3D-GPS+

Company: Neri Contractors and Excavators

Location: Lake in The Hills, Illinois

Project: Westpoint Homes

Location: Elgin, Illinois

Scope: 300 acre residential subdivision
200,000 cy strip/stockpile topsoil
550,000 cy cut/fill excavation

Topcon Products:

- System Five 3Di-GPS+ automatic/Cat 14H
- System Five 3D-GPS+ automatic/Cat D5RLGP
- System Five 3D-GPS+ automatic/Cat D6R
- System Five 3D-GPS+ automatic/Cat D6RLGP
- System Five 3D-GPS+ automatic/Cat D8R
- System Five 3D-GPS+ automatic/Cat D9R
- System Five 3D-GPS+ indicate/Cat 627
- System Five 3D-GPS+ indicate/Cat 621
- HiPer+ rover/FC-100/Pocket 3D
- System Five 3D-GPS+ automatic/Cat 825



“The ponds on this project are cut into glacial till comprised of sand and gravel with side slopes which range from 3:1 and 4:1 with multiple safety ledges. The soil conditions require over-excavation of the ponds to accommodate a cohesive soil liner to keep water from seeping in or out of the envelope.

“In today’s world of environmental concerns and aesthetic requirements ponds become functional art rather than simple geometric shapes. The mass grading pad details have become more complex as developers strive to “balance” the earth quantities within their job site .This project is no exception. Prior to having GPS technology, multiple stakings and a full time grade checker would have been required to accomplish something close to the engineer’s vision.

“Utilizing Topcon’s GPS systems we were able to accomplish the task virtually stakeless. . Topcon’s GPS technology has provided us the tools necessary to grade the ponds as designed. The ponds were certified to have the proper volume and the engineer’s were totally blown away by how exact the end product matched their design.

“Jerry Bickner with Positioning Solutions introduced us to the Topcon system. I feel Topcon is a step ahead in technology. The system is more user friendly; the hardware more durable and the support exceptional. I’m the kind of person who researches things thoroughly. I look at all aspects, productivity, design, durability, user ease, cost and future innovations. Topcon fits the bill.”

-Bill Neri, Owner

Topcon Dealer:

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