



Topcon and dealer support expedite sewer project for Rankin

Company: Rankin and Son Excavating

Location: Clarion, PA

Project: Laird's Crossing Sanitary Sewer Extension

Location: Worthington - West Franklin, PA

Scope: 5 miles new sanitary sewer
120 manholes

Topcon Products:

Hi Per Lite+ base / rover

FC-100 Field controller

Pocket 3D software



JR McGinley, project manager

Rankin and Son Excavating performs a wide range of excavation projects. Recently they were awarded a sewer expansion project over five miles of rugged terrain in the hills of western Pennsylvania.

On the Laird's Crossing project, Rankin needed to locate an existing water main to avoid conflicts with the new sewer line. After the line was exposed by vacuum excavation, JR McGinley used Topcon's HiPer Lite+ to obtain the exact

location and depth of the line. Comparing these shots with the design of the new sewer in Topcon's Pocket 3D software, he was able to instantly visualize the relationship between the water line and proposed sewer.

McGinley commented his experiences with Topcon's GPS+ survey system. "I think it's the best move we've ever made. It's really going to speed up our work," he said. "I had to do an as-built the other day. I took 60 shots in three hours. With our old methods, it would have taken a couple of days."

Keith Klingensmith, PE and PPS Inc. sales representative (right), checks with McGinley about job progress.

Keith Klingensmith, PE and sales representative of PPS Inc., provided the next level of dealer support. He wrote a program - Cutsheet Cruncher - that enables Rankin to enter point data from the HiPer Lite+. The program automatically calculates the quantities of excavation and displays them in pay estimate form. It saves Rankin hours of work.

Topcon Dealer:

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