

Bionax® Impresses After Encounter With A Directional Drill

After a watermain break, the perspective of a construction supervisor in Southwestern Ontario was changed forever.

Jason Smith of PV-Ex Construction was hired to oversee and install the site servicing for Lakeshore Ontario's new multi-use recreational facility. This complex was to include three ice pads, a gymnasium, aquatic center, indoor walking track, seven outdoor soccer fields and an outdoor five-kilometer trail for walking, running, cycling and skateboarding. In addition, a library, several community rooms and meeting space would help bring the community together.

The magnitude of the project required significant upgrades to the existing network of municipal services.

"The job was pretty straight forward," said Smith. "We had a 12" water line to install for fire protection, and a 4" water line to install right next to it for future use. We used IPEX's Bionax PVCO pipe for both lines." said Smith Unfortunately just 48 hours after PV- Ex's work was completed and the new watermain commissioned, a 4" gas line was being installed and the contractor drilled directly through the center of the new 12" watermain.

"They hit it head on, and as soon as I got the call, I knew exactly what had happened". Smith rushed over to the site and was immediately met with water gushing out of the ground at the adjacent joints, but only bubbling out of the ground where the conflict was.

"I was really surprised that the Bionax PVCO held together. Had this had been a C900 pipe the damage would have been much more extensive with a bigger mess to clean up". Smith's crew worked fast as they cut out a 6 foot section and tied in the repair with two couplings. "The repair was clean, and easy to complete as the damage was contained within inches of the affected area".

This experience was an example of how Bionax's unique material structure encourages failures to remain local and limits the size of the area to be repaired when such an incident occurs.



BIONAX®

Product: Bionax® PVCO Pipe

Contractor: PV-Ex Construction

Municipality: Lakeshore, Ontario

- IPEX's Bionax PVCO pipe used in the construction of two waterlines (4" and 12")
- After a drilling accident, use of Bionax allowed for an easier repair by localizing and limiting the size of the damage