

## LINE ALERT TYPE "B" SOIL – INSTALLATION OVER DEEP LINE

**Date:** October 2007  
**Location:** Southeast Saskatchewan, Canada  
**Job Type:** New Poly Gas Pipeline Installation  
**Soil Type:** Type B  
**Crossing Type:** One 3" Poly Gas Line and One Power Line 1' Apart  
**Facility Depth:** Approximately 96"

**Results:** As these lines were quite deep and the new installation trench depth was approximately 5' it was decided to place the new line over the existing lines versus going under them. The excavator simply dug a straight wall trench in the same manner he would without a line crossing. When the panel was encountered they new they were 3' away from the lines. They continued down to 30" and simply continued along with their trenching past the crossing. No swamping or reconfirmation was required at all on this line. It took a total of seven (7) minutes to complete this crossing. The contractor commented that they saved an hour of manual labour that would have been required to reconfirm the line by using LINE ALERT.



**This photo shows the remaining 30" marker visible in the ditch providing a clear indication of the depth of the lines below. No labourers were required in the ditch.**

**Safety Benefits:** One hour of manual digging was avoided reducing the risk of strain and other possibly injuries to labourers. Time savings were caused by not having to constantly manually reconfirm the line depth. Other confirmation techniques such as probing were not required either.

Clear indications of the depth of the line allowed for safe and efficient mechanized excavation to the depth stop point.

**Financial Benefits:** One hour of excavator/operator costs, one labourers hourly wage and one hour on-site inspector costs were saved.