



Underground Connection

Mark your calendar today:



2012 Damage Prevention Conference

February 1st and 2nd 2012

To be held at: **Livestrong Soccer Stadium, One Sporting Way, Kansas City, KS 66111**

brought to you by North Central Kansas Technical College



HDD TOPICS:



• **Geo Thermal Loops**

The Kansas Institute of Underground Technology recently installed Geo Thermal Loop lines at NCKTC. Available for technical help, Mr. Richard Levings of the Ditch Witch Company, Perry, OK gave advice about techniques for installing the loops.



Don Thomas, U-Tech Instructor was the operator of the 1220 Mach 1 Ditch Witch drill to complete the pilot bore and pulled back the geo thermal loops.

There were three 610 foot loops placed east of the football field on the North Central Kansas Technical College. These are connected to the new Geothermal Unit installed in the PHAC building with Brian Badger as department head guiding the installation.

Brian Badger said, "There will be training opportunities for the PHAC students in the future to gain knowledge about geothermal technologies."

• **Geo Thermal Marking**

During a recent locator operator training class of the Kansas Institute of Underground Technology a question arose about the proper color for marking the geothermal lines.

Stan Odle, Coordinator/Instructor sent an inquiry to the Common Ground Alliance (CGA) posing the following question:

"After having installed the new geo-thermal loop lines, I started thinking. We put locate lines on these loops; however, when conducting line locator classes, I could not decide which color to

used to properly mark the lines. Can you give me any good business practices that may work best for the color to mark geo-thermal loop lines?

The reply was: "The APWA Color Code which the CGA uses to identify subsurface installation indicates **YELLOW** as the color for **geo thermal lines.**"

Color Code Identifiers

White	Proposed Excavation	Pink	Temporary Survey Markings
Red	Electric Power Lines, Cables, Conduit and Lighting Cables	Yellow	Gas, Oil, <u>Steam</u> , Petroleum or <u>Gaseous Materials</u>
Orange	Communication, Alarm or Signal Lines, Cables or Conduit	Blue	Potable Water
Purple	Reclaimed Water, Irrigation and Slurry Lines	Green	Sewers and Drain Lines

Classes are enrolling for the next Locator Operator or Horizontal Directional Drilling class:

Dec 5 and 6 Locator Operator - Level 1 - Beloit Campus

December 12 to 16 Horizontal Directional Drilling - Beloit Campus

ACTIVITIES: Don Thomas, U-Tech instructor and Brian Badger, PHAC instructor discuss installation of Geo Thermal Loops.

