Foundry Slope Failure May 20, 2010
Layout Plan for Pipe Piles and Jet Grout Columns
Pipe Pile Installation
**Jet Grout Process**

**STEP ONE:** Advance steel drill rod downward to the designated column depth.

**STEP TWO:** Switch to jet grouting system. Apply high pressure to activate the jet monitor.

**STEP THREE:** Perform jet grouting as jet rod is rotated and withdrawn at a controlled rate.

**STEP FOUR:** As the jet rod reaches the top, jet grouted column is completed.
1) SILO
2) MIXING
3) MONITOR PUMP
4) DRILL
5) NOZZLE
Spoils Management
Straw Bales, Erosion Control Fabric and Native Plantings
The Following Statements are Based on a Geologic Evaluation by Jim Stewart, PhD:

• Over 100 years, on average, the gorge rim recedes 15 inches on each side and the volume increases by 100 cubic feet per linear foot.

• Over 100 years, from College Ave to Central Ave, the gorge loses 110,000 cubic feet or 4000 cubic yards, which is almost 350 large dump truck loads of material.

• The gorge is changing and the rim is naturally expanding at a rate that should be of concern to existing facilities near the gorge rim.