

## City Of Valparaiso, Indiana –Pipe Replacement Project

H&G Underground of LaPorte, Indiana has set new pipe bursting record using TR FLEX<sup>®</sup> restrained joint Ductile-Iron pipe in February 2009. The project consisted of upsizing an old 4-inch Cast-Iron sewer main with 6-inch Pressure Class 350 TR FLEX<sup>®</sup> pipe. The pipe bursting was completed with a single pull of 684-feet in one day.

The line had a bury depth of 7 feet in compacted clay soil. In addition to the entrance and exit pits, only two other excavations were performed at locations where a valve and tee, encased in concrete, were removed prior to bursting the old line.



Prior to the 684-foot pull in Valparaiso, the longest pull to date had been done by Portland Utilities of Portland, Tennessee on a sewer rehab project in Atlanta, Georgia. The pull of 415-ft was done when a failing 8" concrete sewer line was replaced with 8" TR FLEX<sup>®</sup> pipe. A few weeks later on the same project Portland topped their own record when they upsized a 8-inch Cast-Iron and Concrete line with 10-inch TR FLEX<sup>®</sup> pipe in a 551-ft pull. The pipe bursting was done in city streets with highly compacted clay soils. TT Technologies, Inc. Grundoburst static bursting equipment was used by Portland.



**The cartridge/magazine method of pipe installation were used on all projects, the 18-foot lay lengths and restrained joint that can be assembled in 20 seconds, keep excavations and traffic disruptions to a minimum. Ductile-Iron TR FLEX<sup>®</sup> pipe is rugged and dependable not only for the demanding requirements of pipe bursting and Horizontal Directional Drilling (HDD) but, also for the demanding requirements of water and sewer systems.**

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**Portland Utilities can be contacted at: 615-325-3374**