

## **OWNER**

College of Notre Dame of MD  
4710 North Charles Street  
Baltimore, MD 21210

## **DATE OF COMPLETION**

1999

## **CONTRACT TYPE**

L.S.

## **CONTRACT AMOUNT**

Original: \$1,430,000.00

## **POINT OF CONTACT**

Mr. Joseph Caruso  
Director of Facility Management  
410-532-5389



## **PROJECT DESCRIPTION**

### *Site Utilities Design/Build*

Project consisted of the design, layout, excavation, backfill and installation of Perma-Pipe Pre-insulated HVAC piping system, potable water, fire protection, and technology duct bank to provide the backbone of the campus wide expansion program.

Scope included:

- 3,000' of 12 and 6-way technology duct bank, including seven manholes, serving the campus wide fiber-optics requirements. Connected all buildings and allowed for future expansion.
- 2,200 ' of 10" and 8" Potable water/fire main, 3 fire hydrants
- 5,000' of 6" – 16" diameter CHW preinsulated pipe
- 5,000 ' of 4" – 12" HW preinsulated pipe



Work was performed throughout the school year and required close coordination between Green Contracting Company and the college. Pedestrian and vehicular traffic was required to be detoured at various stages of the project. At one point, a steel bridge was constructed to span the trench to allow pedestrian traffic access to various buildings.

Other factors involved were know and unknown existing utilities throughout the campus. This required a joint effort between the school, Green Contracting Company and a private locating service. Extensive test pitting was done prior to excavation to avoid any possible damage to existing utilities. Existing utilities crossing the trench line were temporarily supported.

Installation was performed in accordance with ASME B31.9, including certification of welding procedures and all welders.

### ***Green Contracting's personnel:***

Project Engineer: Matthew C. Brinker  
Superintendent/Foreman: Robert F. Grant