



PROJECT DESCRIPTION SHEET

MOUNT ARARAT BAPTIST CHURCH

Project Name: Mount Ararat

Location: Municipality of Penn Hills , Allegheny County, PA

Owner: Mount Ararat Baptist Church

Our Client: HCO , Inc.

Our Role: Site Plan Development

Date Project Awarded: 2006

Project Monetary Value: \$180,000

Project Description: Prior to the purchase and development of this 50 acre parcel of wooded land into a proposed church campus (sanctuary building and family life center), Zell Engineers conducted environmental investigations on the property, surveyed the property and developed a site plan utilizing the architect's design for the facility

Zell Engineers, Inc. Work Description:

- To ensure that the site was free of environmental problems, an American Standards Testing Methods (ASTM) E 1527-05, Phase I ESA was performed on the property comprising of a field reconnaissance; interviews with regulatory officials and individuals familiar with the property; evaluating an environmental database report; review of historical mapping and aerial photographs, and searching recorded deeds for information regarding former uses of the site.
- Two geotechnical investigations of the property were completed in order to define the subsurface conditions of the site. The investigations included drilling of bore holes and open test pits to identify any environmental contamination or hazardous waste dumped on the property and to identify the existing sub-surface strata together with bedrock elevations. The investigations included specific recommendations regarding the construction for the buildings and associated retaining walls.
- Zell prepared all necessary applications, figures and calculations in order to prepare a Site Plan for approval by the Municipality's Planning Commission.
- Preliminary approval of the Site Plan was received from the Municipality and plans for construction are underway.
- The Zell staff worked with the project architect to complete a site layout plan that met the clients vision for the facility and development requirements for Municipality approval. Original designs for the facility required revisions by the Engineers to locate the church structures on the site.



- Zell also added additional parking lots to accommodate the required 1,000 spaces needed by the church. A series of retaining walls were added to the site plan for optimal utilization of the property.



References: Available Upon Request

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