

Porter Township Sun Hill Road Slip, Road Relocation & Retaining Wall Design Wheelersburg, Ohio



In 2011 Howerton Engineering & Surveying was contracted by Porter Township to review an existing road slip they are encountering on Sun Hill Road. Porter Township had received a grant from FEMA to repair the slip; so all work was performed using FEMA standards.

The first phase was to perform a subsurface investigation and prepare a cost analysis of all options to rehab the road slip. Then a topographic survey of the property was performed to better address the issues causing the slips along with a right-of-way survey to determine the extents of the remediation.

The second phase was to prepare construction plans and documents based off the Township's choice of rehab options. The plans and contract documents were created and submitted to Columbia Gas and AEP in order to relocate service mains from the proposed site. Howerton Engineering & Surveying aided the Township in the bidding and construction management services as well as placing our resident construction inspector on site during the duration of construction.

The design of a reinforced plug pier retaining wall was developed and plans & Specifications were prepared.

Client/Location

Porter Township
1535 Dogwood Ridge Rd.
Wheelersburg, OH 45694

Client Reference

Dave Hayden
Township Trustee
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Project Status

Completed - 2013

Dates of Service

Design – 2012
Construction - 2013

Special Features

- Topographic Survey
- Boundary Survey
- Right-of-Way Survey
- Utility Location
- Cost Analysis
- Pile Wall System
- FEMA Funds
- Storm Water Analysis
- Storm Water Design
- Construction Inspection
- Geotechnical

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