

GEOTECHNICAL ENGINEERING

CENTENNIAL PARK IMPROVEMENTS

Advanced Engineering Services Inc., (AES) provided geotechnical engineering evaluation for the improvements of the Centennial Park in Munster, IN. The project included installation of new stairs for recreational purpose and a drainage swale with a



washout on an existing slope of a landfill located at the southeast corner of the intersection of Calumet Avenue and South Centennial Drive in Munster, IN. The ground surface elevations of the existing slope reportedly vary between about 617 ft and 662 ft, MSL, with a total of about 45 ft of elevation difference.

Geotechnical exploration included shallow hand augers along the proposed alignment of the proposed stairs to understand the subsurface condition. In addition, Slope stability analysis was completed at various locations with maximum about of grade-raise fills to verify that the proposed improvements will not adversely impact the stability of the existing slope, as required by IDEM. Various recommendations were developed regarding the construction of the project.

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