

# James E. Greene, PE

## Project Manager

**Years Experience:** 23  
**Active Registrations:** Professional Engineer: Pennsylvania & West Virginia  
**Education:** Pennsylvania State University—B.S., Civil Engineering, 1985  
Computational Methods in Stormwater Management, 1992

### Experience & Qualifications:

Mr. Greene has a wide range of experience on civil engineering projects. He has been project engineer and project manager for projects including civil/site design of commercial and industrial developments; sewer and water line design; stormwater management and erosion control design; DEP/COE permitting; conceptual site and utility plans; 3-D CADD renderings and movies; construction cost estimation; hydrologic analysis of drainage areas; design of water quality infiltration trenches, dry wells and infiltration basins; and wetland mitigation.

### Representative Projects:

**The Highlands** **Project Manager**  
Ohio County, West Virginia

Managed and designed final construction plans, DEP/COE permitting, conceptual site and utility plans, SWM design, E&S control, 3-D renderings, construction cost estimates, construction monitoring, surveying, geotechnical investigations and roadway design for an 1,100 acre Commercial and Industrial Park. Grading and drainage design for over 14 million cubic yards of earthwork.

**Wal-Mart Retail Store** **Project Manager**  
Ohio County, West Virginia

Managed site design of storm sewers, utility design, ALTA survey, geotechnical investigation, construction monitoring of all site work including paving, utilities, soils and concrete work as well as building concrete and soils testing for 235,000 sf building on an 18 acre site.

**Target Retail Store** **Project Manager**  
Ohio County, West Virginia

Managed and designed conceptual plans, 3-D renderings, site grading plans, parking plans, utility design and technical specifications, final construction plans, construction monitoring of all site work including paving, utilities, soils and concrete work as well as building concrete and soils testing, landscape design, irrigation design, geotechnical investigation, erosion and sedimentation control plans, ALTA survey, construction surveying and permitting for 125,000 sf building on a 12.5 acre site.

**Cabela's Retail Store** **Project Manager**  
Ohio County, West Virginia

Managed and designed conceptual plans, 3-D renderings, site grading plans, parking plans, utility design and technical specifications, final construction plans, landscape design, irrigation design, geotechnical investigation, erosion and sedimentation control plans, ALTA survey, construction surveying and permitting for 175,000 sf building on a 60 acre site.

**West Hills Industrial Park Expansion** **Project Manager**  
West Franklin Township, Armstrong County, Pennsylvania

The 200 acre project included roadway design, water, sanitary sewer and erosion & sedimentation control design. A stormwater management basin (134 acre drainage area) was also designed for controlling the future runoff of the site.

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**Wheeling Shoppes**

Ohio County, West Virginia

**Project Manager**

Managed and designed 85 acre retail center including Wal-Mart and Lowe's through conceptual planning stage. Completed numerous grading plans, parking layouts, out-lot designs, utility plans, 3-D CADD renderings and movies. Worked directly with retailers to develop workable site plans.

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**Tech 21—R&D, Commercial, and Residential Development**

Marshall Township, Allegheny County, Pennsylvania

**Project Manager**

Managed all phases of 225 acre site development including grading plans, earthwork analysis, wetland investigation, construction cost estimates and roadway design.

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**Zelienople Airport**

Beaver County, Pennsylvania

**Project Manager**

Managed completion of master site plan and construction cost estimates including layout of utilities, roadways, developable pads, and stormwater management facilities for 200 acre airport property.

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**Mulberry Alley (aka Jacob Street) Storm Sewer Project**

Kittanning, Armstrong County, Pennsylvania

**Project Manager**

This project included the design of 3,100 feet of 48" diameter HDPE and RCP from behind the Armstrong County Courthouse to the Allegheny River.

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**Collier Township Development Preliminary Engineering Design**

Allegheny County, Pennsylvania

**Project Manager**

Developed a preliminary site plan with proposed grading, roadways, pad layouts and utilities for the 400 acre site. A detailed construction cost estimate was also prepared.

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**Parking Lot Design**

Clarion, Pennsylvania

*Clarion University of Pennsylvania*

**Project Manager**

Managed the design of a 200-space parking lot for student parking facility, including underground stormwater management facility.

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**Subdivision Infrastructure Planning and Design**

Rockville, Maryland

**Project Manager**

Managed planning through design of roads, drainage, water and sewer for 13-lot, \$10 million Montera subdivision.

***Stormwater Management:***

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**Stormwater Management Detention Base Design  
for the U.S. Property and Fiscal Office**

Pittsburgh Air National Guard Base, Pittsburgh, Pennsylvania

**Project Manager**

Designed stormwater management detention basin for 100 acre drainage area near the Pittsburgh International Airport.

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**Pittsburg International Airport Stormwater Management**

Pittsburgh, Pennsylvania

**Project Manager**

Prepared stormwater management programs for Pittsburgh International Airport. Tasks included hydrologic analysis of 12,400 acre drainage area, including location and design of 13 stormwater management detention basins to reduce runoff from future airport expansion.

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**Stormwater Management Drawings**

Adams and Pine Townships, Pennsylvania

**Project Manager**

Prepared and processed engineering drawings and hydrologic and hydraulic analysis for 10 basins at Treesdale.

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**Stormwater Detention Basin Design—Pittsburgh International Airport**

Allegheny County, Pennsylvania

**Project Manager**

Designed stormwater management detention basin for 1,000 acre drainage area of McClaren's Run.

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**Stormwater Management Plan**

Rockville, Maryland

**Project Manager**

Prepared and processed engineering drawings for water quality infiltration trenches, dry wells, and infiltration basin for construction of two-mile extension of Ritchie Parkway.

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***Storm Drainage:***

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**Box Culvert Design**

Rockville, Maryland

**Project Manager**

Designed seven six-foot culverts crossing Cabin John Creek at Ritchie Parkway.

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**Residential Storm Drainage Design**

Rockville, Maryland

**Project Manager**

Designed 2,000 linear feet of storm drainage including curb and yard inlets for Montera subdivision.

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**Subdivision Storm Drainage Design**

Gaithersburg, Maryland

**Project Manager**

Designed 5,000 linear feet of storm drainage for East Village subdivision.

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***Hydrologic and Hydraulic Studies:***

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**Drainage Basin Analysis**

Broward and Palm Beach Counties, Florida

**Project Manager**

Analyzed 100-square-mile Hillsboro Canal drainage basin to determine runoff curve numbers, times of concentration, structure data tables, reach data tables, and a sub-basin drainage area map. Developed TR-20 and HEC-2 computer models.

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**Floodplain Mapping Analysis—Pittsburgh International Airport**

Allegheny County, Pennsylvania

**Project Manager**

Analyzed McClaren's Run floodplain at the Pittsburgh International Airport. Tasks included preparing existing and proposed 100-year floodplain mapping and design of 630-foot, eight-foot by ten-foot box culvert stream enclosure.

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***Sanitary Sewer and Potable Water:***

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**Water and Sewer Design**

Gaithersburg, Maryland

**Project Manager**

Designed water and sewer extension in Flower Hill Subdivision.

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**Water and Sewer Design**

Rockville, Maryland

**Project Manager**

Designed water extension, sewer extension and pressure sewer extension for Montera subdivision.

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***Erosion and Sedimentation Control Design:***

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**Erosion and Sedimentation Control Design**

**Project Manager**

Frederick, Maryland

Designed erosion and sedimentation control plans for construction of three stormwater management ponds including two diversion channels with a 70-step construction sequence.

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**Erosion and Sedimentation Control Design**

**Project Manager**

Greene County, Pennsylvania

Designed erosion and sedimentation control plans for 18 acre U.S. Steel mine site.

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***Erosion and Sedimentation Control Design:***

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**Erosion and Sedimentation Control Design**

**Project Manager**

Montgomery County, Maryland

Designed erosion and sedimentation control plans for four constructions areas totaling 1,000 linear feet of stream bank stabilization.

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***Wetland Mitigation:***

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**Wetland Mitigation Design**

**Project Manager**

Rockville, Maryland

Designed wetland mitigation plans to create 12 acres of wetlands for construction of Ritchie Parkway.

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**Wetland Mitigation Design**

**Project Manager**

Hardy and Randolph Counties, West Virginia

Managed design of 45 acre wetland mitigation project for Appalachian Corridor H Project.

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***Publications:***

“Stormwater Management Program for the Pittsburgh International Airport,” presented at the 1993 ASCE International Symposium on Engineering Hydrology, San Francisco, California.

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***Memberships:***

Pennsylvania Society of Professional Engineers, Pittsburgh Chapter