

**Education**

Drexel University, BS Civil Engineering – course work,  
EMI – Floodplain Mgmt. I  
EMI – Floodplain Mgmt. II  
EMI – CRS System  
EMI – Advanced F.P. Mgmt.

**Professional Registrations / Affiliations**

Licensed Professional Engineer in Pennsylvania, Delaware & Maryland  
Certified Floodplain Manager  
American Society of Civil Engineers  
American Concrete Institute  
Pennsylvania Society of Floodplain Managers

**Years of Experience**

27

**Areas of Expertise**

Environmental/Civil Engineering, Municipal Engineering, Land Use & Site Development Engineering, Floodplain Management and Water Surface Profiling, Water Resources Engineering, Detailed Hydrological and Hydraulic Studies, Stormwater Management, Project Management, Construction Administration

**Summary of Qualifications**

Mr. Jones has over 27 years of experience in residential and commercial site development design; municipal engineer of record; municipal capital improvement projects; construction administration and oversight; permitting; and highway occupancy permitting. Based on his experience as a project manager, Mr. Jones understands all aspects of a project’s life span from initial planning through budgeting, design, approval, construction, and occupancy.

**Key Projects**

**Falls Township Engineer of Record, Assistant Falls Township Floodplain Administrator & Capital Improvements Project Manager, PA.** Responsible for managing all Capital Improvement Projects for Falls Township. Responsible for being Assistant to the Floodplain Administrator in day to day floodplain management duties including floodplain permit review, floodplain management ordinance preparation and enforcement, Community Rating System Plan Preparation including floodplain mapping, local hazard area mapping and review of multiple projects proposing alteration of floodplain areas, Land Development Project Reviews including Zoning Ordinance, Subdivision and Land development, Stormwater Management, Developer Agreement escrow review, permit follow up and verification. Representation at Public Meetings.

**Yardley Borough Engineer, PA.** Borough Engineer responsible for the day to day engineering activities associated with this municipal client. Multiple capital improvements projects were designed, bid processes administered construction inspection oversight and contractor’s payment approval and management. Responsible for Land Development project review including Zoning Ordinance, Subdivision and Land Development, Stormwater Management, Developer Agreement escrow review, Permit follow up and verification. Representation at Council and Planning Commission Meetings.

**Assistant Whitemarsh Township Engineer, PA.** Responsible for managing all Capital Improvement Projects for Whitemarsh Township. Responsible for assisting the Floodplain Administrator in day to day floodplain management duties including floodplain permit review, floodplain management ordinance preparation and enforcement, Community Rating System Plan Preparation including floodplain mapping, local hazard area mapping and review of multiple projects proposing alteration of floodplain areas. Reviewing and approving CLOMR for floodplain and floodway encroachment, detailed Hydrologic and Hydraulic study scoping, review and approval.

**2013 Falls Township Road Improvement Program, Fairless Hills, Bucks County, PA.** Project Manager who was responsible for the design / design oversight for the reconstruction of 8 residential streets and the mill and overlay of 3,500 lf of local residential streets. The project encompasses full depth road reconstruction including, new curbs, sidewalks, drainage improvements, utility relocations and landscaping / restoration. Responsibilities also include preparation of NPDES Permit Package, Pavement Evaluation and Design, complete Bid Package, Project Specifications, Estimates, Bid Administration, Contractor Selection and Investigations, Construction Oversight, Construction Site Engineering and problem resolution.

**Cold Springs Bleachery Land Development, Yardley Borough, PA.** Township Engineer responsible for oversight of a land development proposal that included the removal of a legacy dam along Buck Creek in Yardley Borough. Responsibilities included; direction to applicants engineer for dam inspection and analysis, H&H study development for dam removal and stream restoration, coordinating with FEMA for LOMR due to the dam removal project. General engineering review of all associated stormwater management designs, site design and permitting and approval.

**Oskanian Tract, Hilltown Township, Bucks County, PA.** Managing Designer/Project Manager for a 26-Lot, residential development on 40 acres. The project included 1,500 LF of road widening along the State Frontage Road (S.R. 152), that included a low volume driveway design, roadway geometric design, drainage design, grading and swale design, maintenance and protection of traffic, and permitting.

**ADA Handicap Ramp Projects, PA.** Project Manager responsible for the oversight of the design of various State and federal Stimulus projects throughout Bucks and Montgomery Counties in Pennsylvania. These projects were prepared for PennDOT District 6-0. These projects constituted ADA Sidewalk Ramp Designs including horizontal and vertical layout and design for all elements of the walk-able intersections. The total construction budget for the projects totaled more than four million dollars and included over 1,000 handicap ramps with incidental design considerations such as; pedestrian push button poles, cheek walls, cross-walk relocation, stop bar relocation, asphalt pavement replacement, drainage considerations, sidewalk alignment, minimum sidewalk clearance tolerances, pedestrian safety, constructability and value engineering.

**Drew University Master Plan for Stormwater Management, Madison, Morris County, NJ.** Designer who was responsible for the design and planning of the Stormwater Management Master Plan. The design included stormwater collection and conveyance, land space utilization, and preliminary size calculations.

**Evergreen Age Restricted Carriage Home Development, Hamilton, Mercer County, NJ.** Designer who was responsible for the design of a multi-unit, age restricted residential site plan. The design included stormwater collection and conveyance, site grading, highway improvements, and utility layout.

**Princeton University Regional Stormwater Management Project, Princeton, Mercer County, NJ.** Designer for designing and maintaining updated calculations for a regional detention basin. The design included stormwater collection and conveyance, grading, impervious surface updates, and calculations for a large portion of the University campus and off campus housing.

**Regency & Upper Makefield, Upper Makefield Township, Bucks County, PA.** Managing Designer/Project Manager for a 96-unit, age restricted carriage home development on 36 acres. The project included 2,000 LF new road, wastewater treatment facility and water booster station; two wetland style detention/swim basins; landscaping; site lighting; and utilities. A component of this project was to establish the floodplain area along an unnamed tributary to Houghs Creek that included a detailed Hydrologic and Hydraulic Study approved by Upper Makefield Township.

**St. Francis School for Boys, Bensalem, Bucks County, PA.** Project Manager who was responsible for performing design of a multi-unit, residential style site plan and providing construction management services for the site work contract. The design included stormwater collection and conveyance; grading design; highway improvements; utility layout; stream crossing design; local road design; and erosion and sediment control design. The project consisted of 5 living cottages, an administrative building, and a gymnasium that was situated along a new cul-de-sac on a wooded site. The site engineering included coordination of design, purchase, and delivery of BEBO Arch span bridge. The project also included a floodplain study, four detention ponds, a road, parking, grading, landscaping, utilities, and PADOT entrance permit.

**Tabas Tract 46 Unit Carriage Home Development, West Whiteland Township, Chester County, PA.** Project Manager who was responsible for performing site design for a 46-unit, multi-family residential development. The design included stormwater collection, conveyance, and management; grading design; earthwork balance; utility design; BMP design;

artificial wetlands; project management; erosion and sediment control design; coordination with architects for unit grading; consultant report review; and managing staff.

**Yardley County Club Dam Replacement Project, Yardley, Bucks County, PA.** Designer/Inspector who was responsible for performing design and construction oversight for an irrigation pond dam with a 350-acre drainage area. The design included stormwater volume and rate analysis, grading, dam stability analysis, coordination with PADEP Department of Dam Safety Department, construction drawing preparation, troubleshooting of existing dams' failure, and erosion and sediment control design. Oversaw the day to day construction activities including accepting concrete deliveries, slump test, daily reports, and punch list inspection.

**Whitesell Construction Company, Delran NJ.** Site Engineering Department Manager responsible for overseeing the design of large scale industrial warehouse facilities (700,000 SF under roof) with associated infrastructure design and permitting. The designs included stormwater management and permitting, grading and drainage analyses, CONRAIL rail spur connections, earthwork analyses, parking and loading, Management duties included weekly development meetings for department updates and allocation of resources, managing a staff of 3 designers / interns, managing outside consultants' work progress and invoicing, sketch planning and land planning for future facilities.

**Arawak Paving Company, Hammonton, NJ.** Operations Engineer responsible to the owners for oversight of a 30 million dollar a year pavement contracting and asphalt manufacturing company. Duties included pavement construction oversight, dealings with local and state agencies, quality control assurance, troubleshooting methods and means, project manager training and plant operations.

**Dulty's Lane Reconstruction Phase 1, Burlington, Burlington County, NJ.** Resident Engineer responsible for the day to day oversight of a full depth reconstruction project for a 1,200 lf Industrial Park Access Road. This project also included drainage improvements, curbs, shoulder stabilization, utilities repair, striping and restorations. As the Resident Engineer for this project, specific responsibilities included: coordination of man power and equipment, interfacing with the asphalt production plant for quantities and deliveries, scheduling truck deliveries, supervising the road demolition efforts and repaving efforts, coordinating with the Burlington Township Engineer and Inspectors, managing change orders, field review of existing conditions and survey issues and final punch list completion.

**Woodbine Airport Rehabilitation, Woodbine, Cape May County, NJ.** Resident Engineer responsible for the day to day oversight of a 3,000 ft. x 75 ft. wide runway rehabilitation project for runway 12-30 at the Woodbine Airport. This project also included milling, crack repair, overlay, runway markings and restoration. As the Resident engineer for this project, specific responsibilities included: coordination of man power and equipment, interfacing with the asphalt production plant for quantities and deliveries, scheduling truck deliveries, supervising the milling efforts, crack repair efforts and repaving efforts, maintaining construction traffic safety during airport operation, coordinating with the design engineer and Inspector for quality control, managing change orders, field review of existing conditions and survey issues, and final punch list completion.