



Robert E. Flinchbaugh, PE

Municipal Team Lead



SUMMARY OF EXPERIENCE

Mr. Robert Flinchbaugh is an experienced professional civil engineer and project manager who has spent over thirty-two (32) years specializing in infrastructure for municipal engineering. He is an expert in stormwater management including compliance with permitting agencies. Bob provides comprehensive land planning, bid administration, design, and contractor management to local, regional, and federal governments, as well as commercial and private clients. In addition, he is experienced and knowledgeable about plan preparation, proposal writing, and agency coordination.

PROFESSIONAL EXPERIENCE

Routes 30 & 82 Intersection Redesign - Coatesville, PA

Project Engineer. Responsible for preparation of field change drawing preparation and oversight. Ongoing.

Meiklejohn Stadium Stormwater Retrofit for the University of Pennsylvania - Philadelphia, PA

Project Engineer. Provided stormwater management design and NPDES permitting for baseball facility renovations. Work included a pre-application meeting with the Philadelphia Water Department (PWD) to discuss stormwater management criteria and modification of their criteria due to the site's proximity to the Schuylkill River. Coordinated plan preparation and submissions to PWD, including the Existing Resource and Site Analysis (ERSA) application and plan submission, obtaining conceptual approval, coordination of stormwater management design and plan preparation associated with the Post Construction Stormwater Management (PCSM) Plan Review Phase and obtaining approvals in accordance with PWD's Development Compliance Review Path. 2022.

Municipal Civil Engineer - Various Townships, PA

Current Engagements

- ▶ Borough of Pottstown, PA.
- ▶ Westtown Township, PA.
- ▶ East Brandywine Township, PA.
- ▶ South Coatesville Borough, PA.
- ▶ West Norriton Township, PA.
- ▶ New Garden Township, PA.

Past Engagements

- ▶ New Hanover Township, PA. 2022.

Education

B.S. Civil Engineering
Technology
University of Pittsburgh -
Johnstown

Professional Registrations

PE - PA (#044274E)

Years of Experience with CEG 5

Total Years of Experience 32



Cedarville Engineering Group, LLC

Pottstown, Pennsylvania | Pensacola, Florida

P: 610-705-4500 E: info@CedarvilleEng.com

CedarvilleEng.com



Robert E. Flinchbaugh, PE

Municipal Team Lead

- ▶ Caln Township, PA. 2018.
- ▶ East Vincent Township, PA. 2018.
- ▶ West Nantmeal Township, PA. 2018.
- ▶ West Vincent Township, PA. 2018.
- ▶ Upper Pottsgrove Township, PA. 2018.
- ▶ Schwenksville Township, PA. 2018.

Engineer of Record. Responsible for the review of subdivision and land development plans, including review to determine compliance with zoning, stormwater management, subdivisions, and preparation of review letters. Responsible for attendance and meeting representation and Planning Commission and Board of Supervisors/Commissioners meetings and zoning hearings. Responsible for meeting with residents upon request of township. Responsible for the preparation of construction plans and bid documents, administration throughout bidding process, and construction management of various municipal public works projects, including numerous road improvement, drainage improvement, and park facilities projects. Roadway projects included widening and storm sewer installation, pavement rehabilitation/recycling, and overlay projects.

Stormwater Engineering & Planning Services for Chester County - Chester County, PA

Project Engineer. The scope of work included providing technical oversight and draft ordinance preparation for the county-wide Act 167 Stormwater Management Ordinance. Responsible for ensuring all work was completed within 2022 Department of Environmental Protection (DEP) requirements. 2022.

Reservoir Park Stream Restoration and Sanitary Sewer Line Replacement - Lansdowne, PA

Project Engineer. Design and oversight in the preparation of grading, E&S control plans associated with stream improvement along Falls Run. Project included permitting associated with water of the commonwealth encroachment and E&S control through the Delaware County Conservation District. 2022.

Stormwater Management Ordinance Update - Delaware County, PA

Project Engineer. The scope of work included providing technical oversight and draft ordinance preparation for the county-wide Act 167 Stormwater Management Ordinance. Responsible for ensuring all work was completed within 2022 Department of Environmental Protection (DEP) requirements. 2022.

Dotterer Road Trail - New Hanover Township, PA

Project Engineer. Responsible for design and oversight associated with preparation of a grading and E&S control plan, bid document preparation, coordination with township Parks and Recreation Department. 2021.

Millview Basin Retrofit Feasibility Study - Coatesville, PA

Project Engineer. Responsible for drainage analysis, preliminary design, preliminary cost estimate, and preparation of report outlining proposed improvements, anticipated costs, and recommendations. 2021.



Cedarville Engineering Group, LLC

Pottstown, Pennsylvania | Pensacola, Florida

P: 610-705-4500 E: info@CedarvilleEng.com

CedarvilleEng.com



Robert E. Flinchbaugh, PE

Municipal Team Lead

Farmington Avenue Widening and Drainage Improvements - Upper Pottsgrove Township, PA

Project Manager. Roadway widening and drainage improvement project. Included complete project design and plan preparation, permit and approval acquisitions, bid document preparation, administration throughout contract award and construction management through completion of construction. 2021.

Dauphin County Bridges - SR1017 and SR4006 - Dauphin County, PA

Project Engineer. As a subconsultant to Whitney, Bailey, Cox & Magnani attended the pre-scoping meeting with PennDOT representatives, prepared cost estimates, watershed analysis, and hydrologic study. 2021.

Dauphin County Bridges, Hydrology & Hydraulics Study - Halifax Township, PA

Project Manager. Prepared a Hydrologic and Hydraulic (H&H) Study, required for Type Size & Location (TS&L) submission to the Pennsylvania Department of Transportation (PennDOT), for a proposed bridge replacement over Gurdy Run along Tourist Park Road (SR 4006). Oversaw engineering staff in the preparation of the required H&H study and the implementation of HEC RAS software. Coordinated and set up a meeting with prime consultant to review results. Provided management of budget and invoicing utilizing PennDOT ECMS System. The H&H study was completed and forwarded in final form to prime consultant for inclusion of their TS&L submission to PennDOT. 2020.

115 Buchanan Street - Phoenixville Borough, PA

Project Manager. Land development plan preparation associated with a four (4)-story senior housing facility, associated parking, and stormwater management design. Involved approval acquisition from borough an involve work associated with project survey, geotechnical testing for stormwater management facility design, land development plan preparation, stormwater management/erosion and sedimentation (E&S) facility design, narrative report preparation. Provided oversight of the plan and calculation preparation. Responsible for plan submissions. Coordinated with the client, as well as the borough engineer and consultants as required to obtain plan approval. 2020.

Heidelberg Road Bridge Replacement Project - Heidelberg Township, PA

Project Manager. Thirty-five (35)-ft. single span bridge replacement project over Spring Creek in Heidelberg Township, including complete project design and plan preparation, permit and approval acquisitions, bid document preparation, administration throughout contract award and construction management through completion of construction. 2020.

Westmoreland Station Erosion & Sediment (E&S) Plan - Westmoreland, PA

Project Engineer. Design and project oversight for a project consisting of a new PECO substation located in the city of Philadelphia, including plan and narrative report preparation. 2019.

PECO 6681 Transmission T-Line E&S Plan - Lower Pottsgrove Township, PA

Project Engineer. Design and project oversight for a project posing installation of PECO transmission lines extending from Lower Pottsgrove Township, Montgomery County to North Coventry Township, Chester County. The scope of



Cedarville Engineering Group, LLC

Pottstown, Pennsylvania | Pensacola, Florida

P: 610-705-4500 E: info@CedarvilleEng.com

CedarvilleEng.com



Robert E. Flinchbaugh, PE

Municipal Team Lead

work included the preparation of E&S control plans, narrative, and applications as required to obtain approval from the Montgomery and Chester County Conservation District. 2019.

Lanchester Landfill Conceptual Drainage Study - Narvon, PA

Project Engineer. Responsible for the preparation and oversight of a comprehensive drainage study analysis and cost estimate for several drainage improvement alternatives associated with the Lanchester Landfill. The project scope included analysis of existing drainage improvement and preliminary design of proposed improvements to drainage and mitigate flooding impacts to properties located downstream of the landfill. 2019.

Caln Township Capital Improvement Plan - Caln, PA

Project Engineer. Oversight of the preparation of a comprehensive plan and report outlining and prioritizing potential public works improvements and repairs, including preparation of cost estimates associated with the improvements proposed. 2019.

Yarnell Park Trailhead Parking Area - Berks County, PA

Project Engineer. Responsible for design and oversight required for the preparation of grading and E&S control plans for a proposed trailhead parking area. Project involved acquisition of Berks County Conservation District approval. 2019.

Crebilly Farm Stormwater Management Review - Westtown, PA

Project Engineer. Responsible for Conditional Use Plan review, including review of plan and Stormwater Management Report for compliance with Westtown Township Ordinances, preparation of review letters, coordination with township solicitor in preparation for attendance at planning commission meeting, attendance, and presentation to Planning Commission and Westtown Township residents. 2019.

Palmer Park Redevelopment Plan - Coatesville, PA

Project Manager. Redevelopment of an existing city park to include a proposed recreational splash pad. Coordination with Natural Lands Trust regarding plan preparation, attendance of meetings with city representatives, Natural Lands Trust, and contractors, coordination with contractors and Pennsylvania American Water regarding proposed sewage disposal needs of project, coordination regarding construction oversight. 2018.

Memorial Park Phase III - Pottstown Borough, PA

Project Manager. Development of existing park improvements, including parking and pedestrian facilities, incorporation of stormwater management Best Management Practices (BMPs), addition of playground equipment. Responsible for plan preparation oversight, construction detail and bid package preparation, coordination with borough Parks Department, attendance, and facilitation of pre-bid meeting. 2018.



Cedarville Engineering Group, LLC
Pottstown, Pennsylvania | Pensacola, Florida
P: 610-705-4500 E: info@CedarvilleEng.com
CedarvilleEng.com



Robert E. Flinchbaugh, PE

Municipal Team Lead

Fisherville Road Bridge - Caln Township, PA

Project Manager. Replacement of an existing bridge along Fisherville Road crossing a tributary to Beaver Creek, along with associated roadway and drainage improvement. Construction administration, oversight of preparation of easement plans for inclusion in documents. 2018.

Hammel O'Donnell - West Nantmeal Township, PA

Municipal Engineer. Subdivision Plan proposing thirteen (13) industrial lots, stormwater management facilities, sanitary sewer disposal conveyance, and utility relocation. Responsible for review of land development plans, preparation of review letter based upon municipal regulations, coordination and meeting with developer's engineer and attorney. 2018.

Bollinger Road Bridge Repair - West Nantmeal Township, PA

Project Manager. Bridge rehabilitation, including scour repair, masonry repointing, repair of parapets. Managed construction administration, coordination of construction oversight, review, and authorization of payment request, and change orders. 2018.

Culbertson Run Drainage - East Brandywine Township, PA

Project Engineer. Stormwater improvements, landscape removal to improve drainage along and existing township roadway accessing the Culbertson Run subdivision. Preparation of grading, E&S control plans, plan details and notes, coordination with township public works department, oversight and design support related to stormwater management facilities. 2018.

East Brandywine Simplified SWM Ordinance - East Brandywine Township, PA

Municipal Engineer. Development of Stormwater Management Ordinance to permit an expedited, cost-effective solution for homeowners proposing improvements resulting in a limited amount of additional impervious coverage. Responsible for review of draft as provided by township and County Planning Commission, provision of edits as required for adoption by township. 2018.

Thorndale National Tire & Battery - Caln Township, PA

Municipal Engineer. Land development includes an auto service establishment, associated parking and stormwater management facilities. Responsible for plan review, preparation of construction cost estimate for incorporation into developer's agreement, coordination of pre-construction meeting. 2018.

Municipal Road Programs - Caln Township, West Nantmeal Township & West Vincent Township

Municipal Engineer. Roadway improvements to municipal roadways in local communities. Responsible for construction administration oversight, including bid review, contractor coordination, review and approval of payment requests, shop drawing reviews, and construction oversight. 2018.



Cedarville Engineering Group, LLC

Pottstown, Pennsylvania | Pensacola, Florida

P: 610-705-4500 E: info@CedarvilleEng.com

CedarvilleEng.com



Robert E. Flinchbaugh, PE

Municipal Team Lead

Premier Auto Group - East Vincent Township, PA

Municipal Engineer. Land development plan proposing an expansion to an existing car dealership, including inventory storage, parking areas, and stormwater management and conveyance facilities. Responsible for review of land development plans, preparation of review letter based upon municipal regulations, review, and preparation of construction cost estimate for incorporation of security into development agreement. 2018.

Shenkel Road Subdivision - North Coventry Township, PA

Project Engineer, Project Manager. Three (3) lot residential subdivision plan preparation. Responsible for plan preparation and design oversight, site grading, preliminary stormwater management and E&S control design. 2018.

Wawa: Bondsville & Reeceville - Caln Township, PA

Municipal Engineer. Land development involved a proposed convenience store, associated parking and stormwater management facilities. Responsible for coordination/construction administration, review of escrow releases. 2018.

Pocopson Township Trails - Pocopson Township, PA

Project Engineer. Walking Trail Expansion Project, included main plan preparations, plan preparation, permit acquisitions, preparation of cost estimate and bid documents, and preparation of documentation as required for grant applications, and coordination with township and Brandywine Conservancy throughout project. 2018.

Anson B. Nixon Park - Kennett Square Borough, PA

Project Engineer. Intake structure rehabilitation for an existing reservoir located in Anson B. Nixon Park in Kennett Square Borough, including plan, and bid document preparation, and administration throughout bidding and construction process. 2018.

PROFESSIONAL EXPERIENCE (cont.)

Willow Road Bridge Replacement Project - Ruscombmanor Township, PA

Project Manager. Reinforced concrete box culvert replacement and roadway realignment project over Willow Creek in Ruscombmanor Township. Included complete project design and plan preparation, permit and approval acquisitions, bid document preparation, administration throughout contract award and construction management through completion of construction. 2018.

DeTurk Road Bridge Replacement Project - Oley Township, PA

Project Manager. Reinforced concrete box culvert replacement and roadway realignment project over Manatawny Creek in Oley Township. Included complete project design and plan preparation, permit and approval acquisitions, bid document preparation, administration throughout contract award and construction management through completion of construction. 2018.



Cedarville Engineering Group, LLC

Pottstown, Pennsylvania | Pensacola, Florida

P: 610-705-4500 E: info@CedarvilleEng.com

CedarvilleEng.com



Robert E. Flinchbaugh, PE

Municipal Team Lead

Lower Moreland School District Trail Expansion Project - Huntingdon Valley, PA

Project Manager. Design and construction administration of a completed walking trail project for Lower Moreland School District, connecting the high school to a municipal library. Scope included design of trail and water quality BMPs, township approval acquisition, bid, RFI and shop drawing review, and construction observation. Project was initiated in March 2016, design completed and approved, bid awarded, and construction completed in August 2016, prior to opening of school.

Pep Boys, 3107 West Allegheny Avenue - Philadelphia, PA

Project Manager. Responsible for zoning/land development plan approval, stormwater management design, approvals through Streets Department and City Planning Commission for zoning stamps, ERSA, and technical approval through PWD.

AAA, 1601 Christopher Columbus Boulevard -Philadelphia, PA

Project Engineer. AAA car care facility. Project involved stormwater management design, plan preparation, ERSA & technical plan approvals through PWD, and L&I approval.

Venice Island - Philadelphia, PA

Project Manager. Proposed apartment complex facility in Manayunk. Project involved preparation of grading plans and client support related to obtaining zoning approvals related to floodplain encroachment on a site adjacent to the Schuylkill River.

1823-1835 Callowhill Street - Philadelphia, PA

Project Manager. Land development project associated with a five (5) story multi-use redevelopment and associated parking. Scope included preparation of land development plans, obtaining ERSA plan approval from PWD.

Pottsgrove Middle School - Upper Pottsgrove, PA

Municipal Engineer of Record. Institutional Land Development consisting of a school building, athletic fields, and parking facilities on a forty-four (44)-acre parcel. Project involved Conditional Use and Land Development Plan approval. The public was involved at both hearings and meetings with concerns related to the difficulty of the site to develop (steeply sloped site), stormwater runoff and traffic generation. Responsibilities included plan review, attendance at meetings and testimony at hearings on behalf of township.

Turnberry Farms Residential Subdivision - Upper Pottsgrove, PA

Municipal Engineer of Record. Responsible for plan review, meeting attendance (Planning Commission and Board of Commissioners) and construction oversight for a 188-single family home residential subdivision.

Chestnut Tree Residential Subdivision - Upper Pottsgrove, PA

Municipal Engineer of Record. Responsible for plan review, meeting attendance (Planning Commission and Board of Commissioners) for an eighty-eight (88) unit planned residential subdivision.



Cedarville Engineering Group, LLC

Pottstown, Pennsylvania | Pensacola, Florida

P: 610-705-4500 E: info@CedarvilleEng.com

CedarvilleEng.com



Robert E. Flinchbaugh, PE

Municipal Team Lead

Cherry Tree Farms Residential Subdivision - Upper Pottsgrove, PA

Municipal Engineer of Record. Responsible for plan review, meeting attendance, correspondence preparation for a 166-lot single family home residential subdivision.

Mauger's Mill Estates Subdivision - Upper Pottsgrove, PA

Municipal Engineer of Record. Responsible for plan review, meeting attendance (Planning Commission and Board of Commissioners) for an eighty (80)-lot single family residential subdivision.

Jones Motor - East Vincent Township, PA

Municipal Engineer of Record. Responsible for a Conditional Use Plan review for a proposed mixed use planned development. Development included a mix of single detached units (approximately 280) townhomes (approximately 110), a commercial area and community center.

The Villages at Hillview - Coatesville, PA

Municipal Engineer of Record. Responsible for plan review of an adult continuing care retirement community including ninety-six (96) proposed dwelling units.

The Hills at Thorndale Woods - Caln Township, PA

Municipal Engineer of Record. Responsible for review of a subdivision and land development consisting of 175 townhomes and eighty-seven (87) single family detached dwellings.

Lincoln University Dormitory Expansion - East Nottingham Township, PA

Project Engineer. Project involved land development plan preparation, stormwater management/E&S design, approval acquisition from township and Conservation District.

Villanova University Pedestrian Improvements - Philadelphia, PA

Civil Engineer. Responsible for improvement design and PennDOT Highway Occupancy permit acquisition for pedestrian improvements along Ithan Avenue and Route 30.

Arbour Square Senior Living Community - Plymouth Township, PA

Project Manager. Located just off the Blue Route/Turnpike Interchange, the project consisted of a four (4)-story building with 210 units and 145 parking spaces. This project consisted of preparation of a land development plan, testimony as required for Conditional Use approval, oversight of facility layout, internal circulation, stormwater management and E&S design, and approval/permit acquisition from Plymouth Township, the Township Municipal Authority, Conservation District (NPDES), PennDOT (sanitary sewer extension along Germantown Pike, site access to Plymouth Road), DEP (Sewage Facilities Planning Modules, Part 2 permit for pump station). Unique challenges included access to public sewer due to the distance from any potential hookups. After considering options, the resulting design included a pump station and force main extension from Corson's Lane to Chemical Road. Located in karst/limestone geology also prohibited infiltration and required a unique stormwater design. Worked closely with the Conservation District (CD) on a slow-release design to enhance water quality while also meeting rate, at the time



Cedarville Engineering Group, LLC

Pottstown, Pennsylvania | Pensacola, Florida

P: 610-705-4500 E: info@CedarvilleEng.com

CedarvilleEng.com



Robert E. Flinchbaugh, PE

Municipal Team Lead

a new concept and the first one reviewed by the Conservation District. Project involved layout of resident use and pedestrian facilities.

Brandywine Square Shopping Center - Downingtown, PA

Project Engineer. Land development services and engineering design for 600,000 sq. ft. shopping center. Responsibilities included design of stormwater management and storm sewer facilities.

Brightview Senior Living Facility - Tredyffrin Township, PA

Project Manager. The project included redeveloping a 2.75-acre commercial property along E. Conestoga Road into a five (5)-story, 193-bed Brightview Life Care Facility. The new facility included independent apartment living, assisted living, and memory care facilities. This project includes obtaining land development / stormwater management approvals from the township, Conservation District and DEP approval (NPDES and Act 2), PennDOT Highway Occupancy approval for two (2) driveway accesses. Challenges included incorporation of grading solutions to allow the capping of existing soil contamination on site and working closely with the Conservation District, DEP, and consultants to address.

Bowling Green Rehabilitation Facility - New Garden Township, PA

Project Manager. Project involved the construction of a new 20,000 sq. ft. rehabilitation building, parking expansion, improvements to interior circulation, stormwater management and stormwater conveyance facilities, PennDOT permitting, NPDES permit acquisition, and DEP planning module approval, including working with consultants and New Garden Township to upgrade an existing sewage disposal facility. Project required obtaining zoning relief and testimony in front of the Township Zoning Hearing Board along with presentation to the plan to the Township Planning Commission and Board of Supervisors.

PRESENTATIONS

Flinchbaugh, R. "Drainage - The Key to Roads that Last." Full-day course. LTAP. Williamsport, PA. 2022.

Flinchbaugh, R. "Asphalt Common Road Maintenance Problems." Half-day course. LTAP. Pike County, PA. 2022.

Flinchbaugh, R. "Asphalt Common Road Maintenance Problems." Half-day course. LTAP. Morrisdale, PA. 2022

Flinchbaugh, R. "Drainage - The Key to Roads that Last." Full-day course. LTAP. Schuylkill Haven, PA. 2022.



Cedarville Engineering Group, LLC

Pottstown, Pennsylvania | Pensacola, Florida

P: 610-705-4500 E: info@CedarvilleEng.com

CedarvilleEng.com