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Statement of Qualifications for:

**KENNETH R. CHRISTENBURY, P.E.**

## **PROFESSIONAL LICENSURE**

*Professional Engineer*, State of Delaware, State of Maryland, Commonwealth of Virginia  
*Delaware DNREC - Class C License*: Engineered On-Site Wastewater Disposal System Designer

## **EDUCATION**

*Bachelor of Civil Engineering*, (Spring 1994),  
University of Delaware, Newark, DE - Dean's List (Fall 1991 - Spring 1994)  
*AutoCAD II*, (Summer 1996),  
Northern Virginia Community College, Manassas, VA  
*Boundary Law*, (Spring 2000),  
Delaware Technical and Community College, Georgetown, DE

## **PROFESSIONAL EXPERIENCE**

*President*, Axiom Engineering, LLC

Mr. Christenbury is the President and founder of Axiom Engineering, LLC, located at 18 Chestnut Street in Georgetown, Delaware. Mr. Christenbury has over 12 years of experience in civil engineering. He has been practicing in Sussex County, Delaware since the spring of 1997. Conceptual, Preliminary and Final Construction Design and permitting for commercial and residential developments ranging from single lot septic plans to 500+ unit Residential Planned Communities have been the subject of Mr. Christenbury's experience.

# ***KENNETH R. CHRISTENBURY, P.E.***

18 Chestnut Street, Georgetown, DE 19947  
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*ken@axeng.com*

## **PROFESSIONAL LICENSURE**

*Professional Engineer*, State of Delaware, State of Maryland, Commonwealth of Virginia  
*DNREC* - Class C License: Engineered On-Site Wastewater Disposal System Designer

## **EDUCATION**

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*Boundary Law*, (Spring 2000),  
Delaware Technical and Community College, Georgetown, DE

## **PROFESSIONAL EXPERIENCE**

*President*, Axiom Engineering, LLC (July '05 - Present)

Own, operate and manage a civil engineering and land surveying firm.

Coordinate the schedules of the land surveying and engineering departments to ensure that project completion is technically sound, timely, and cost effective. Review projects for compliance with regulatory requirements. Responsible for production of finished site plans including subdivision record plans, road construction drawings, commercial developments, stormwater management, sanitary sewer, water distribution, fire marshal, entrance plans, wetland delineations, and wetland impact permits and on-site wastewater disposal. Duties and responsibilities include:

- Meet with clients to determine project needs and goals.
- Thorough knowledge of the requirements of Sussex County Planning and Zoning, Town of Georgetown Planning and Zoning, Sussex Conservation District, Delaware State Fire Marshall's Office, Del. D.O.T. Coordinate with subcontractors including wetland scientists, soil scientists, geotechnical, GPS mapping consultants, etc. Presentation of site plans to County and Municipal Zoning Commissions. Preparation and presentation of Conceptual and Preliminary Plans for subdivision, zoning and/or Residential Planned Community Approval.
  1. Sweetwater Point - Millsboro, DE - 49 lot cluster subdivision utilizing low impact "green technology BMPs" to provide an environmentally sensitive development with clustered residential units adjacent to Millsboro Pond.
  2. Georgetown Village Business Park - Georgetown, DE - Commercial business park located in Neighborhood Business District with quad of residential style commercial buildings located around a central traffic circle.

- Design of innovative, land efficient, and cost effective stormwater management design techniques. Responsible for preparing and reviewing planning and final construction drawings for commercial, single-family and multi-family residential development projects.
  1. Dagsboro Woods - Dagsboro, DE - 10 lot cluster subdivision utilizing infiltration design.
  2. Comfort Suites - Seaford, DE - 69 unit hotel utilizing subterranean pipe storage to supplement stormwater storage volume provided by the site's pond.
  3. Fork Landing Farm - Milford, DE - 80 unit subdivision including single-family detached and duplex units. Blending existing topographic features into proposed stormwater BMPs including a bio-filtration swale and two infiltration facilities produced an efficient stormwater facility footprint.
  4. The Fountains of Georgetown - 80 unit, 20 acre Retirement Residential Planned Community (RRPC), including community center, walking paths and other amenities. Use of interconnected ponds to provide cost and space efficient stormwater facilities for the project.
- Supervise drafting and engineering staff in production of site construction drawings. Responsible for training staff in preparation of site construction drawings.
- Coordinate project needs with Survey Department and subcontractors.

*Branch Manager, River Basin Engineering, Inc. (April '03 - June '05)*

Operate and manage a branch office including engineering and land surveying projects.

Coordinate the schedules of the land surveying and engineering departments to ensure that project completion is technically sound, timely, and cost effective. Review projects for compliance with regulatory requirements. Responsible for production of finished site plans including subdivision record plans, road construction drawings, commercial developments, stormwater management, sanitary sewer, water distribution, fire marshal, entrance plans, wetland delineations, and wetland impact permits and on-site wastewater disposal. Duties and responsibilities include:

- Meet with clients to determine project needs and goals.
- Thorough knowledge of the requirements of Sussex County Planning and Zoning, Sussex Conservation District, Delaware State Fire Marshall's Office, Del. D.O.T. Coordinate with subcontractors including wetland scientists, soil scientists, geotechnical, GPS mapping consultants, etc. Presentation of site plans to County and Municipal Zoning Commissions.
- Design of innovative, land efficient, and cost effective stormwater management design techniques. Responsible for preparing and reviewing planning and final construction drawings for commercial, single-family and multi-family residential development projects.
  1. Gallo Medical Offices - Lewes, DE & Route 24 Retail, Rehoboth Beach, DE - Specified use of Storm Tech Arch underground storage and infiltration system to eliminate the need for any above-grade stormwater management facilities on densely developed commercial sites.
  2. Sea Colony - Bethany Beach, DE - Evaluation of 30-year old condominium to determine drainage and infrastructure improvements that could provide relief for chronic parking lot flooding problems. First phase of construction completed February 2005 has greatly reduced flooding problems. Second phase of construction pending.
  3. Dagsboro Church of God - Dagsboro, DE - Utility extensions, long-range concept planning for Annexation and Re-zoning for 30 acre parcel from AR-1 (Agricultural-Residential) to a mixed-use development including HC (Highway Commercial), elderly multi-family HR (High Density Residential), and a church/school R-1 (Residential).
  4. The Fountains of Georgetown - Re-zoning 20 acre parcel to a Retirement Residential Planned Community (RRPC), including community center, walking paths and other amenities.
- Supervise drafting and engineering staff in production of site construction drawings. Responsible for training staff in preparation of site construction drawings.
- Coordinate project needs with Survey Department and other office location.

*Vice President*, Design Consultants Group, L.L.C., Milton, DE (Nov. '98 - March '03)

Operate and manage the engineering department of a surveying and land-planning firm. Coordinate, direct and prepare land planning and civil engineering projects to ensure that project completion is technically sound, timely, and cost effective. Review projects for compliance with regulatory requirements. Responsible for production of finished site plans including subdivision record plans, road construction drawings, commercial developments, stormwater management, sanitary sewer, water distribution, fire marshal, entrance plans, wetland delineations, and wetland impact permits. Duties and responsibilities included:

- Meeting with clients to determine project needs and goals.
- Thorough knowledge of the requirements of Sussex County Planning and Zoning, Sussex Conservation District, Delaware State Fire Marshall's Office, Del. D.O.T.
- Coordinating with subcontractors including wetland scientists, soil scientists, geotechnical, GPS mapping consultants, etc.
- Presentation of site plans to County and Municipal Zoning Commissions.
- Design of innovative, land efficient, and cost effective stormwater management design techniques.
  1. Holiday Inn/Happy Harry's - Bethany Beach, DE - First D.N.R.E.C. approved use of Presto Geoblock Porous Pavement to minimize runoff and maximize client's use of commercial property.
  2. Pier One - Rehoboth Beach, DE - Specified use of Stormwater Management, Inc., storm filter and infiltration system to eliminate the need for any above-grade stormwater management facilities on densely developed commercial site.
  3. Indian Meadows Subdivision - Millsboro, DE - Biofiltration Swale eliminated the necessity of a stormwater management basin, maintaining client's desired density in a cost effective manner.
- Responsible for preparing and reviewing final construction drawings for commercial, single-family and multi-family residential development projects.
- Supervising drafting and engineering staff in production of site construction drawings. Responsible for training staff in preparation of site construction drawings.
- Coordinating project needs with Survey Department.
- Responsible for procuring and maintaining computer software and hardware used in production of finished plans.

*Civil Engineer*, Environmental Consultants International Corporation, Rehoboth Beach, DE (Mar. '97 - Oct. '98)

Prepare residential and commercial site plans for submittal to Sussex and Kent County offices. Design and AutoCAD (R11) drafting including site plan layout, grading, stormwater management facilities, erosion and sediment control, sanitary sewer collection facilities, water distribution plans, road plan and profiles, highway entrance plans, fire lane plans, and on-site wastewater disposal. Capable of interpreting survey field data for use in engineering designs, including topography and perimeter surveys. Responsible for training new engineering staff on site plan preparation.

*Civil Engineer*, D.A. Bryant, P.C., Sterling, VA (Mar. '96 - Feb. '97)

Prepare residential and commercial site plans for submittal to Fairfax and Loudoun County offices. Prepare plans and profiles for proposed grading and utilities, including water, sanitary sewer and storm sewer. Create and edit drawing in AutoCAD (R. 12), supplemented with manual drafting. Provide support to survey department.

*Hydraulic Engineer, Dewberry & Davis, Fairfax, VA (Jun. '94 - Mar. '96)*

Technical Evaluation Contractor for the National Flood Insurance Program (NFIP). Prepare Flood Insurance Rate Maps and official correspondence for review by the Federal Emergency Management Agency (FEMA). Review hydrologic and hydraulic modeling submitted in support of NFIP map revisions. Coordinate with FEMA and revision requestors to ensure that submittals comply with NFIP regulations.

## **COMPUTER SKILLS**

### *Stormwater Management*

HydroCAD, Advanced Interconnected Channel & Pond Routing (AdICPR), HEC-RAS, HEC-2, TR-55, DWOPER, Hydraflow Hydrographs, Hydraflow Storm Sewers,

### *Computer Aided Design*

AutoCAD (R. 11 - 2006), Softdesk 8- LDDT 2006, CAD Overlay, AutoCAD Map

### *General*

Microsoft DOS, Microsoft Windows 95, 98, NT, 2000, & XP, Microsoft Excel, Microsoft Word, Microsoft Internet Explorer, Lotus 1-2-3, WordPerfect, Microsoft Power Point, Microsoft Outlook

### *Hardware*

Installation of hardware including: expanded memory, modems, drives, printers, scanners, ACAD Plotters, basic networking.

## **Professional Affiliations**

*American Society of Civil Engineers*

*National Society of Professional Engineers*

*Delaware Onsite Wastewater Recycling Association*

*Home Builders Association of Delaware*

## **Community Affiliations**

*Dagsboro Church of God, Member-Sunday School Teacher*

*Georgetown-Millsboro Rotary, Member*

*Georgetown Chamber of Commerce*

*Rehoboth-Dewey Beach Chamber of Commerce*

*Habitat for Humanity - volunteer (septic design services)*

## **HONORS**

*Tau Beta Pi, Engineering National Honor Fraternity*

*Chi Epsilon, Civil Engineering National Honor Society*

*Golden Key, National Honor Society*

## **Personal**

*Married with 5 children, residing in Millsboro, Delaware*

References are available upon request