

# Beverly S. Carriere

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## Profile

- Forty-three (43) years' experience in Civil Engineering Design, Architectural Design and Design Visualization projects.
- AutoCAD Civil 3D Certified and Autodesk Authorized Training Center Instructor to help others learn and pursue a career path in civil engineering or architectural design.
- Dependable, self-motivated professional, with a proclivity for detail, good business acumen, and able to handle multifaceted tasks while **meeting deadlines**.

## Areas of Expertise

- River Diversion Channel Design and Development
- Hydraulic Dredging, Thin Layer Capping and Volume Calculations
- Environmental Control Systems, Remedial Action Work Plan/Landfill Closure Plan
- Geological Data Modeling and Geotechnical Visualization
- Working with LiDAR and GIS Data
- Wetland Mitigation Plans
- Site Plan Design and Layout
- State, County and Township Roadway Plans and Details
- Subdivision Design and Layout
- Parking Lot Design and Layout
- Geological, Topographical and Survey Maps
- 3D Modeling and Rendering of Civil Design Projects
- As-Built Plans and Surveys

## Education and Career Development

<b>Microdesk</b> , Philadelphia, Pennsylvania Autodesk Advanced Geotechnical Training with Keynetix HoleBase SI	2016
<b>Autodesk, Inc.</b> , San Rafael, California AutoCAD Civil 3D 2009 Certified Associate - Autodesk Authorized Training Center Instructor	2009
<b>Autodesk, Inc.</b> , Dallas, Texas AutoCAD Solutions Boot Camp 2006 ISD Technical Civil & Geospatial Tract	2006
<b>Microdesk</b> , Jersey City, New Jersey Certificate for Land Development Desktop & Custom Survey LDD2 Training	2002
<b>Autodesk, Inc.</b> , Spokane, Washington AutoCAD Operator Certification	1990
<b>Texcad</b> , Waco, Texas Certificate for Advanced AutoCAD Training	1987
<b>CBM Education</b> , Baton Rouge, Louisiana Diploma in Architectural and Structural Drafting	1976

## Professional Experience

**Ramboll Environ, Princeton, New Jersey – Sr. Designer/CAD Technician      Feb. 2015 – July 2019**  
Design and develop river and stream diversion channels utilizing HEC-RAS and the Autodesk River and Flood Analysis module. Prepared cut and fill volumes for hydraulic dredging of rivers and creeks with capping alternatives. Drafted shoreline stabilization plans and created project design visualization model and rendering. Prepared soil erosion and sediment control plans and vapor mitigation system design layouts and details. Modeled subsurface strata layers from boring log data.

**BeVLynn Designs, Verona, New Jersey - CAD Consultant      Apr. 2001 – Mar. 2015**  
Design and develop construction drawings for roadway plans, site plans from survey documents, create contour maps from survey data for civil engineering firms, and update township sanitary sewer and storm sewer maps in digital format. Prepare presentation boards and plans for public hearings and township council meetings. Create 3D representations of final construction documents. Perform drainage calculations for new and existing residential construction and ensure compliance with zoning regulations. Perform earthwork calculations for construction contractors to aide in the bidding process. Clients include architects, surveyors, engineers, contractors and local and county governing agencies. Provide AutoCAD Civil 3D training for Autodesk resellers on an as-needed basis.

**Keller & Kirkpatrick, Morris Plains, New Jersey - Senior Designer      Jul. 2006 – May 2008**  
Design and develop site plans for a wide variety of projects including: conceptual and final subdivision design and layout, residential, commercial and religious conceptual and final site design and development, earthwork computations, presentation graphics, 3D modeling and rendering utilizing AutoCAD and Autodesk Land Development Desktop. Responsible for ordinance research assuring designs meet state and local codes. Provide Autodesk Land Development Desktop training to engineers and designers

**RCC Design, Fairfield, New Jersey - Senior CAD Operator      Feb. 2001 – Jun. 2003**  
Design and develop plans of roadways, subdivisions, site development, railroad tracks, design and layout of fiber optic cables and created 3D presentation documents utilizing AutoCAD and AutoCAD Land Development Desktop. Prepared forensic analysis of construction project to account for discrepancies in design and as-built conditions. Assisted surveyors in preparing topographic maps from survey notes and train engineers, drafters and surveyors to use AutoCAD Land Development Desktop.

## Prior 20 Yr. Work History

Township of Montclair, Montclair, New Jersey - <b>Senior Engineering Aide</b>	1999
The Reynolds Group, Inc., Raritan, New Jersey - <b>Civil Engineering CAD Manager</b>	1997
Louis Berger Associates, New Jersey - <b>Civil Engineering Technician</b>	1996
Pan American Engineers, Louisiana - <b>Civil CAD Designer</b>	1991
Alliance, Inc., Shreveport, Louisiana - <b>CAD Designer</b>	1990
Ronald E. Smith, PE, Shreveport, Louisiana - <b>Civil Drafter</b>	1988
LSU Medical Center, Shreveport, Louisiana - <b>Engineering Tech. Design Specialist II</b>	1985
MEL, Inc., Baton Rouge, Louisiana - <b>Civil &amp; Structural Drafter</b>	1977
Sun Enterprise, Baton Rouge, Louisiana - <b>Structural Drafter</b>	1976

## **Computer / Technology**

AutoCAD • Autodesk InfraWorks • Autodesk Civil 3D • Autodesk Land Desktop • Autodesk Impression 1-3 • Autodesk 3ds Max • Autodesk Revit • Autodesk Navisworks • Microsoft Word • Excel • PowerPoint • Scan2Cad • Adobe Photoshop Creative Suite • Microsoft Windows 32bit & 64 bit

## **Professional Activities**

Autodesk InfraWorks Ambassador • Autodesk Civil 3D Futures • Autodesk AutoCAD Advisor