

Beverley Evans

Digital Cartographer / GIS/CADD Technician / Landscape Designer

Years Experience: 17

Education: Pennsylvania State University—M.S., Geography
Slippery Rock University of Pennsylvania—B.S., Geography
Temple University—A.S., Landscape Design

Experience & Qualifications:

Ms. Evans has a wide range of experience with civil engineering, landscape design and geographic projects. She has been a project designer for map production and maintenance of databases for civil projects; has designed GIS projects involving community development and community service databases; and has designed green landscapes for residential and commercial properties.

Representative Projects:

Geographic Information Systems (GIS) / Cartography:

Masters Thesis

Researched various means of displaying cartographic reliability data in an animated environment, incorporating classification of remotely sensed imagery, animated mapping, and testing of subjects, resulting in publication.

Municipal GIS

Middlesex Township, Butler County, Pennsylvania

Produced municipal GIS using ArcView; creating and attributing parcel layer from tax maps using digital planimetric mapping as a base.

Digitize FEMA's FIRMS

Digitize and attribute flood data, and other base data, from FEMA's FIRMS using Microstation and ARCInfo for GIS.

Slippery Rock Township

Butler County, Pennsylvania

Produced and periodically updated zoning map using ArcView GIS technology.

Map Production for Planning Firm

Responsible for all areas of map production for planning firm. Data compilation, digitalization and attribution, choice and placement of symbology and typography.

Community Development Block Grant Applications

Produced map series for numerous municipalities using GIS to facilitate decision making for direction of future growth.

Mercer County, Pennsylvania

Updated and prepared photo-ready masters of county road map. Maintained address and road databases within GIS and assigned 911 addresses of residents.

RESUME

Drafting—Microstation and AutoCAD:

- Drafted various street and sidewalk improvement surveys for the city of Pittsburgh.
- Drafted existing conditions for many highway relocation projects in both Pennsylvania and West Virginia.
- Drafted existing conditions and design proposal for regulated clean waste landfill.
- Delineated surveyed utility locations for proposed glycol recovery system. And drafted “as-built” survey for same facility to be incorporated into a GIS.
- Drafted existing conditions and design proposal for removal of potentially hazardous waste at Pittsburgh International Airport.
- Drafted numerous pavement surveys for Pittsburgh International Airport.
- Supervised three CADD operators, including project set-up, distribution, quality checks, and submittal to client.
- Drafted various types of surveys (mortgage, property, construction, and ALTA) for various clients using AutoCAD and Microstation.

Site Development:

- CLARION COUNTY COMPREHENSIVE PLAN:
 - Wrote physical landscape portions of Comprehensive Plan.
 - Used GIS/mapping to facilitate location of resources and areas of concern.
- Held discussions with municipalities involving planning and zoning issues.
- Assisted with community meetings as preliminary stage of comprehensive plans.
- Produced graphics for use in various municipalities' zoning regulations.
- Collected GPS stationing data and assisted with data reduction to cover 500 manholes sewer investigation and mapping project for Allegheny County Sanitary Authority.

Landscape Design:

Designer of sustainable gardens, incorporating native plants and natural materials as hardscape; creating streams and ponds, decking, patios, and other outdoor structures to produce natural environments. Clients range from small single-family homes to massive commercial sites.

Professional Activities:

- Instructor of World Geography at Butler County Community College
- Teaching Assistant at Pennsylvania State University

Lectures and Publications:

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| April 1998 | <i>The Working World of GIS</i> , Guest lecturer, Department of Geography, Slippery Rock University of Pennsylvania. |
| May 1997 | <i>Dynamic Display of Spatial Data-Reliability: Does it Benefit the Map User?</i> <u>Computers and Geosciences</u> , Vol. 23 No. 4 Pergamon, Elsevier Science Ltd., 409-422. |
| March 1995 | <i>Cartographic Display of Spatial Data-Reliability: Does it Benefit the Map User?</i> Paper presented at the annual meeting of the <i>Association of American Geographers</i> , Chicago. |