

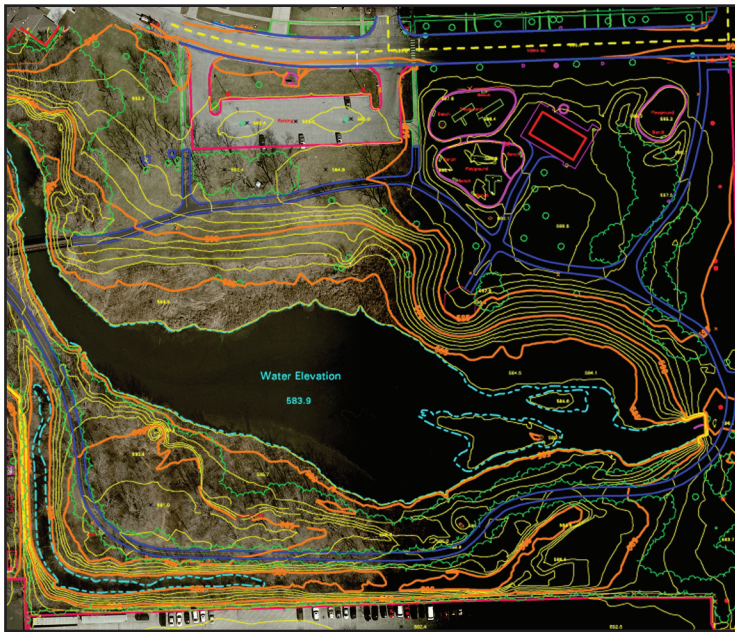


# Sidwell Topographic Mapping Solutions

Sidwell's Photogrammetry Department uses the latest in technology to produce the most accurate topographic mapping products available. Our professional staff brings the highest qualifications and experience to your project and include many members who hold state licenses and national certifications. Whether your application is planning, engineering or to enhance a GIS, Sidwell is your full-service and experienced source that is ready to assist you.

Topographic mapping defines the project terrain as a 3-dimensional surface. This data can be displayed as contours and spot elevations or used to create cross-sections and profiles. The supporting Digital Terrain Model (DTM) surface data can also be used in computer programs to generate cut and fill, volumetric computations and other calculated reports. While 1 foot or 2 foot contour intervals are most common, other intervals such as ½ foot or 5 foot can also be produced depending upon your project requirements.

This mapping solution may also include the horizontal and vertical location of natural and/or cultural planimetric features or be used as an overlay to an orthophoto image. The particular contour interval and accuracy will be tailored to meet your specific need and will reference the coordinate system you require. Data will be delivered in any of the common CAD/GIS formats (DGN, DWG, DXF, Esri SHP and Geodatabase) so that it can be used with your in-house software.



## Optional Annotation & Attribution

Sidwell's GIS staff can add annotation and/or attribution to the collected planimetric features in order to add value and functionality to your mapping data.

## Add an Orthophoto Image

Orthophoto imagery can be included as a deliverable to your topographic mapping project. Imagery provides context to the data and gives you the ability to view other features which may not have been selected by you for inclusion into the project. Contours and spot elevations are often displayed over an orthophoto image when planimetric features are not available.

## Accuracy

Sidwell topographic mapping is designed around your specific needs and will meet or exceed ASPRS and National Map Accuracy Standards.

## Sidwell Experience

Sidwell has provided topographic mapping to counties, cities, engineers and planners for more than fifty years. We have the knowledge, and resources to execute your project accurately and on time. As a full-service mapping company, Sidwell can provide aerial image capture and LiDAR data that is customized to your particular project need. To find out more and obtain a quotation, please contact:

## Applications of Topographic Mapping

Suggested Contour Interval	½ Ft.	1 Ft.	2 Ft.	5 Ft.
Storm Water Management		x	x	x
Land Planning			x	x
FEMA Mapping		x	x	
Public Works Design	x	x		
Quarry / Landfill Inventory		x	x	
Golf Course Design		x		
Environmental Management		x	x	x

## Common Topographic Features

Any features which are visible and interpretable from the aerial photography can be captured. These features include, but are not limited to, the following:

- Contours
- Railroads
- Vegetation
- Spot elevations
- Structures
- Utilities
- Hydrology
- Paved surfaces

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