

# Site Survey

## Situation Overview:

- A. *How did the team analyze potential sites for construction?* One of our biggest concerns was ventilation. We also needed a location that allowed us to build a lagoon with our new barn. By moving across the road from our current barn, we had a wide open space with natural ventilation. The new location also gave us plenty of room to for any future facility expansion.
- B. *What variables did the team consider as they reviewed sites?* Primary variables were ventilation and room to grow in the future. With the aid of a topographic map, we also could determine best location for cut and fill, taking into account the current building project and what we might build in the future.

## Challenges and Opportunities

- C. *During the site survey process, did the farm encounter any problems? If so, what were they?* There was a natural gas line that ran through the construction site. We went through the process of moving that line for the project. Rather than move it the required 400 feet for the new barn and lagoon, we decided to move it 1700 feet to accommodate any future facility growth. The natural gas company worked with us on the costs associated with moving the line because it would need replaced in the next five years.

## Actions

- D. *How long, from start to finish, was the site survey process?* Seven to eight months for the entire process.
- E. *Approximately, how much did the site survey work cost?* The Natural Resources Conservation Services (NRCS) prepared the topographic map at no cost as part of our lagoon project. Red Barn Consulting prepared additional measurements associated with site engineering. Total approximate costs: \$8,000

## Results

- F. [See the resources section of this case study for the project blueprint.](#)

