

## **PA449. IRRIGATION MANAGEMENT**

### **DESIGN AND CONSTRUCTION DATA REQUIREMENTS**

The following items must be addressed in the design folder for an Irrigation Water Management Plan.

#### **Survey and Planning Information**

1. Description of the objectives of the practice, including the desired functions of each component of the irrigation system.
2. Location and extent of each component. Also note the location and extent of the practice(s) on the conservation map.
3. Soils, rainfall, and wind information as appropriate for the proposed practice(s).
4. Topographic, profile, or cross section survey information as appropriate for the site conditions and the proposed design.

#### **Design Record**

1. Documented compliance with Pennsylvania OneCall, and other state and local regulations.
2. Plan view map showing; Location of all planned practices and components, apparent property lines, and existing water courses, and the planned water source.
3. Soil and crop moisture requirements.
4. System capacity and timing calculations. Compatibility with fertigation or chemigation operations, if applicable.
5. Quantity computations and cost estimates. Include energy usage, where applicable.
6. Reference to the Construction Specification for each component.
7. O&M Plan.

#### **Construction Check Record**

1. Construction records shall be as set forth in the D&C for each component of the system.