

# Construction-Phase and Post Construction-Phase Services



**Landmark Science & Engineering** provides clients with a wide range of construction-phase and post construction-phase services needed for their public and private construction projects, including, but not limited to:

- **Construction Phase**
  - **Certified Construction Review (CCR)**
  - Construction Review Services
  - Layout/Stakeout of site, utilities, building, foundations, steel, etc.
  - Wetland mitigation construction oversight and plantings
- **Post Construction Phase**
  - SWM As-Built Survey and Review for design compliance
  - As-Built Surveys of site, SWM, foundations, sanitary sewer, as required
  - Set land survey monuments for ROW and other property markers, as required by the Record Plan
  - Wetland mitigation long-term monitoring



On-site CCR services



Set ROW & property monuments

## **Certified Construction Reviewer (CCR)**

Most construction projects in the State of Delaware are required by the state to have both approved Erosion and Sediment Control Plan and approved Stormwater Management Plan. A Certified Construction Reviewer (CCR) is required to monitor the construction and operation of these sediment and stormwater facilities for the duration of the project.

It is the responsibility of the owner/developer to provide a CCR on required sites, and the responsibility of the contractor to construct necessary controls and to communicate and cooperate with the CCR and DNREC or the delegated agency under established guidelines.



Wetland Mitigation Monitoring

The CCR performs weekly sediment and stormwater reviews of the site and documents the findings in a specified report format. These weekly reports are reviewed by a registered and licensed supervisory Delaware Professional Engineer (P.E.) before forwarding to the appropriate monitoring agency. The CCR can work with you to avoid potential shutdowns due to non-compliance.

Relevant documents include:

- Chapter 12, Surface Water Management Code (New Castle County)
- Section 12 of the Delaware Sediment and Stormwater Regulations (revisions effective Jan. 1, 2014),
- Appropriate Stormwater Management Facility Construction Checklist(s),
- Pond Code 378, as amended for Delaware (USDA Soil Conservation Service),
- Additional technical and administrative guidelines and requirements may be required by the monitoring agency(s).

**Landmark Science & Engineering** maintains experienced technical and professional staffing to provide you with all of these CCR and P.E. services, as well as environmental scientists for our wetland services.