

## **SECTION III PROJECT IMPLEMENTATION AND QUALITY ASSURANCE**

### **A. Implementation**

The flowchart identified in the previous section provides an overview of our implementation, inspection, and project completion fulfillment processes. Numerous personnel with specific responsibilities relevant to the implementation of adequate ESC & SWM plans during construction were identified within the previous Section 2.B.2. The tools and required documentation to be used by these personnel provide the proof of contract and ESC & SWM plan performance. These tools include the contract documents and plans identified above are collectively provided within **Appendices G, H, I, and K.**

### **B. Quality Control & Quality Assurance**

#### **1. The Inspector – Daily Quality Control Duties**

The Residency Administrator and Area Construction Engineer are responsible for ensuring the contractor's and/or state forces' implementation of the project is in accordance with contract documents and/or project specific erosion and sediment control plans and other environmental commitments. Individuals assigned as project inspectors are the lead VDOT representatives who are onsite and responsible for day-to-day oversight of the contractor.

As related to erosion and sediment control inspection duties, the Inspector provides oversight, or daily quality control, of the performance of the Contractor's prescribed inspection duties. An Inspector is a representative of the Department who may be a Construction Inspector, Area Superintendent, Transportation Operations Manager, Consultant Inspector or other assigned personnel to carry out inspection oversight related duties. For additional information on the inspectors' authority, please refer to Road and Bridge Specification Section 105.11.

Our corporate exercise of contract administration/enforcement processes to ensure the Contractor's fulfillment of the inspection requirements described in the previous section is the method by which we satisfy the Erosion and Sediment Control Law & Regulations (ESCLR) and the Annual Standards and Specifications as approved by the Department of Conservation and Recreation, and numerous other environmental permits which require compliance with the ESCLR as a principal permit condition.

#### **2. Construction Quality Improvement Program – Quality Assurance**

The Construction Quality Improvement Program (CQIP) is the VDOT quality assurance program for our construction activities. One major area of evaluation includes erosion and sediment control and stormwater management related contract requirements. Here are a few bullets relative to the overview of CQIP:

- Projects are randomly selected
- Reviews follow a formal process
- Reviews reinforces what is working well
- Improvement recommendations are made to VDOT Management
- Construction quality is measured by level of compliance with VDOT Contract Documents
- CQIP Scoring System is 1 thru 4
  1. Unacceptable - Requires an immediate corrective action

2. Does Not Meet Specification Requirements - Corrective action is necessary
  3. Meets Specification Requirements - Complies with project requirements
  4. Exceeds Specification Requirements - Surpasses project requirements
- Reviews are presented/discussed with project staff and VDOT management
  - Project and contractor staff is included in review process
  - Follow-ups reports identify corrective actions taken
  - Provides VDOT managers with semi-annual, annual and on-demand reports

### **3. VDOT Environmental Compliance– Advisory Duties**

As briefly stated earlier, the Project Inspectors assigned to each specific project conducts site reviews and identifies corrective action needed to ensure the project is environmentally compliant and meets regulatory and permit requirements. These inconsistencies are documented in the Environmental Compliance report. Additional duties and responsibilities are defined in **Appendix K**.