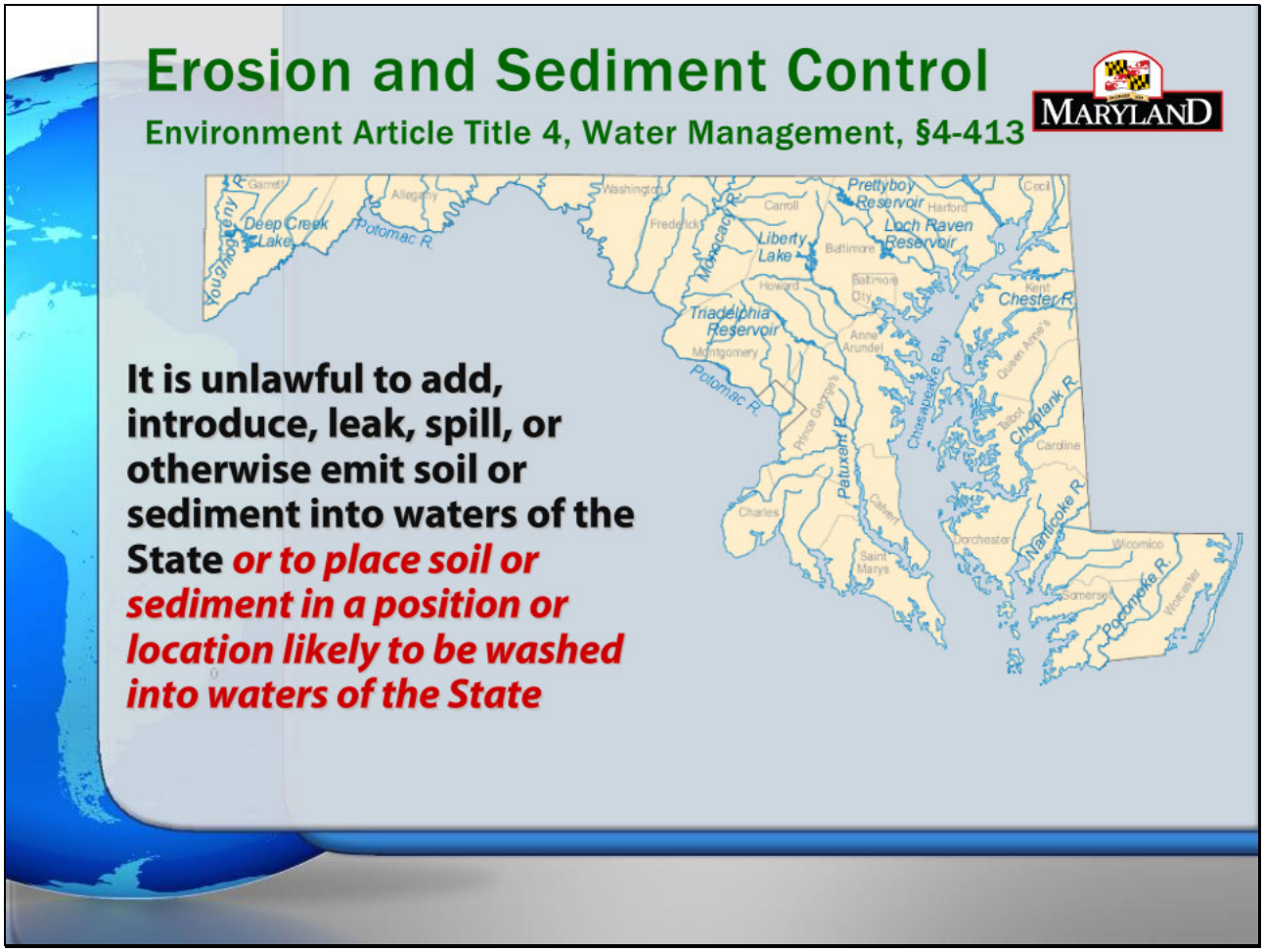
Slide 1 - EROSION & SEDIMENT CONTROL CERTIFICATION PROGRAM Yellow Card

Slide notes

Welcom to the State Highway Administrations Erosion and Sediment Control Program (Yellow Card). In this training you will learn the many aspects of Erosion and Sediment Control along with Environmental Protection and the Administrations Environmental Stewardship commitment. This section will outline reasons for this certification training and introduce the regulations that set the outline for how this program is to function. As stated on the introduction page of the training, you may move forward to the next slide of the presentation by clicking anywhere on the presentation. This is a self paced learning, so please take the time to listen to the narritive and also read the information on the screen to gain a full understanding of the content.

Notes

Slide 2 - Erosion and Sediment Control Environment Article Title 4, Water Management, §4-413

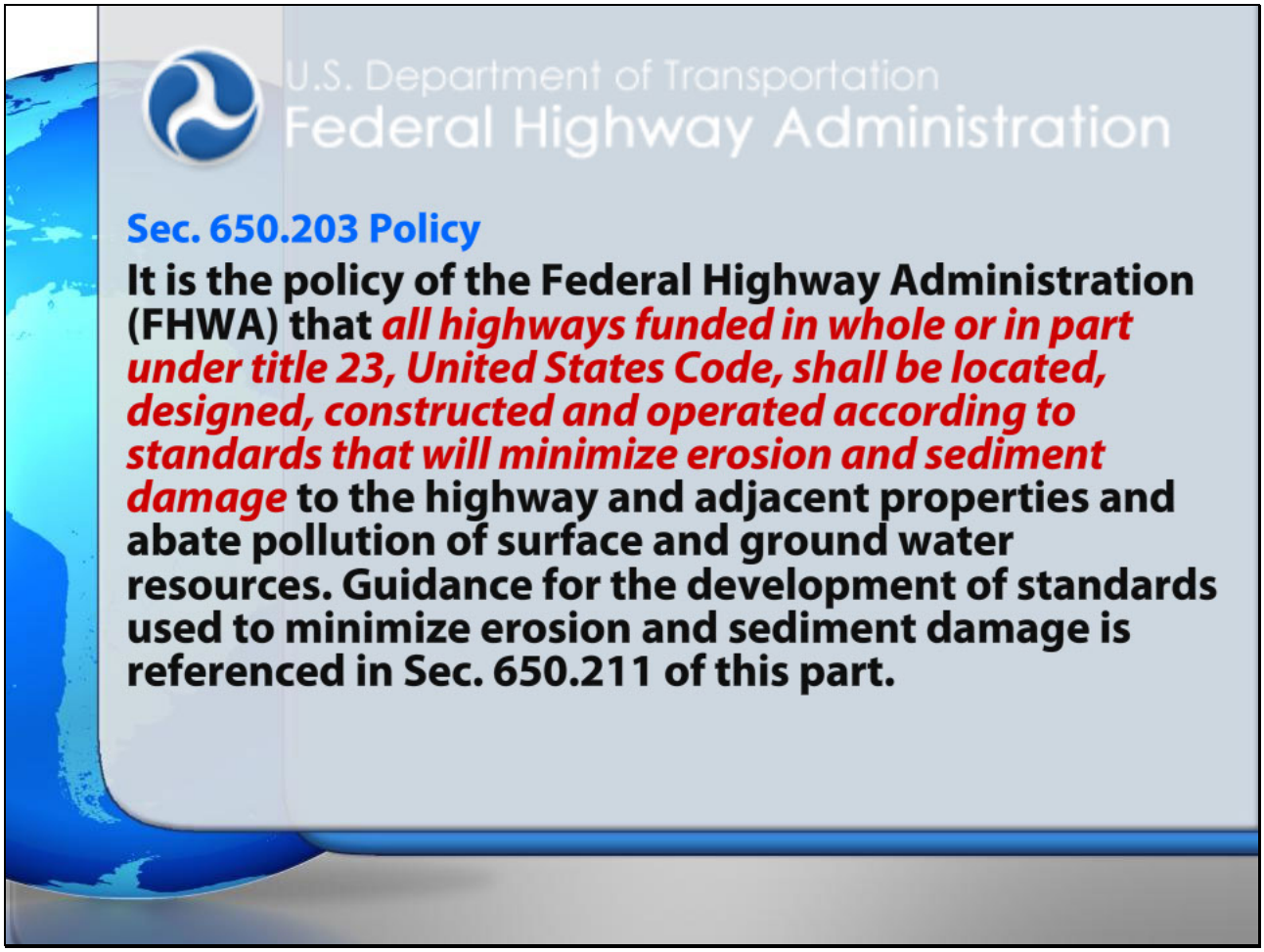


Slide notes

The foundation of this program is based on the laws and state regulations related to sediment pollution and waters of the state.

Notes

Slide 3 - Federal Regulations

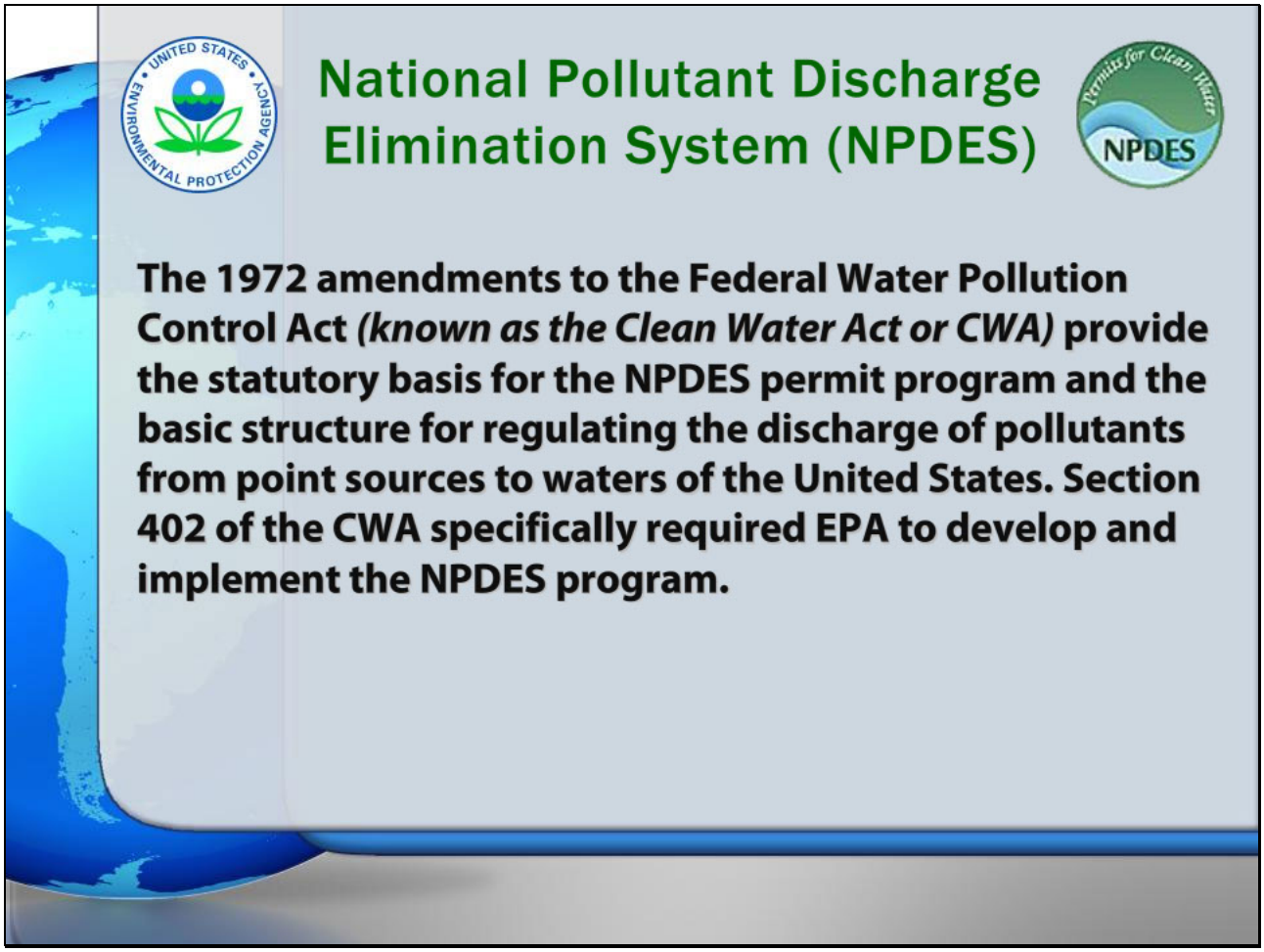


Slide notes

The federal highway administration also requires that highways be constructed and maintained in an environmentally sensitive manor throughout the country.

Notes

Slide 4 - National Pollutant Discharge Elimination System (NPDES)



Slide notes

The National Pollutant Discharge Elimination System was developed as part of the clean water act. This permit system is designed to regulate the discharge of pollutants from point sources to waters of the United States.

Notes

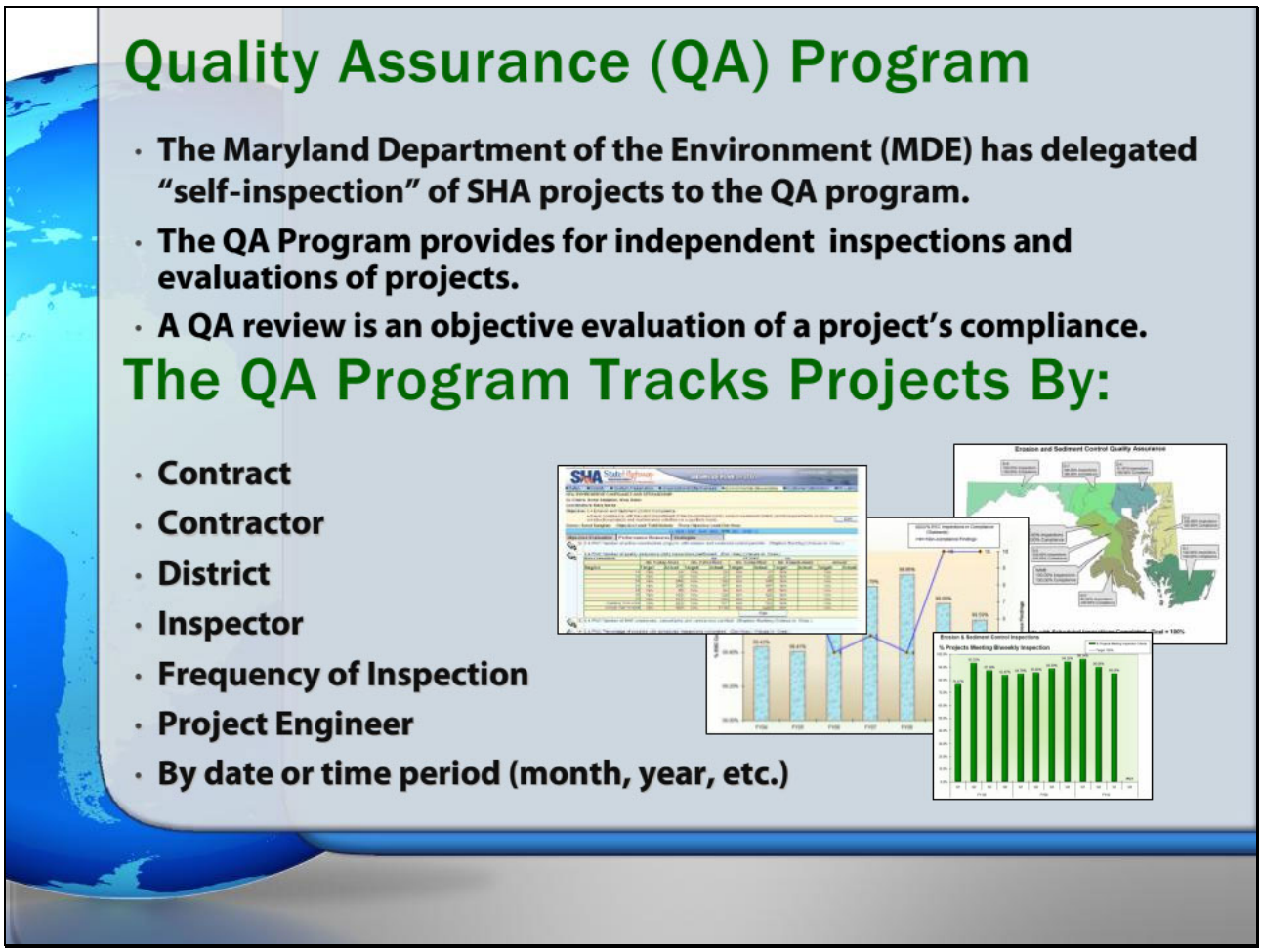
Slide 5 - Environmental Stewardship

Slide notes

Environmental Stewardship can take many forms beyond abatement of sediment pollution from a construction project. Containment and disposal of fluids and materials and protection of natural habitats and waterways are also a part of the overall goal of helping to protect our environment.

Notes

Slide 6 - Quality Assurance (QA) Program



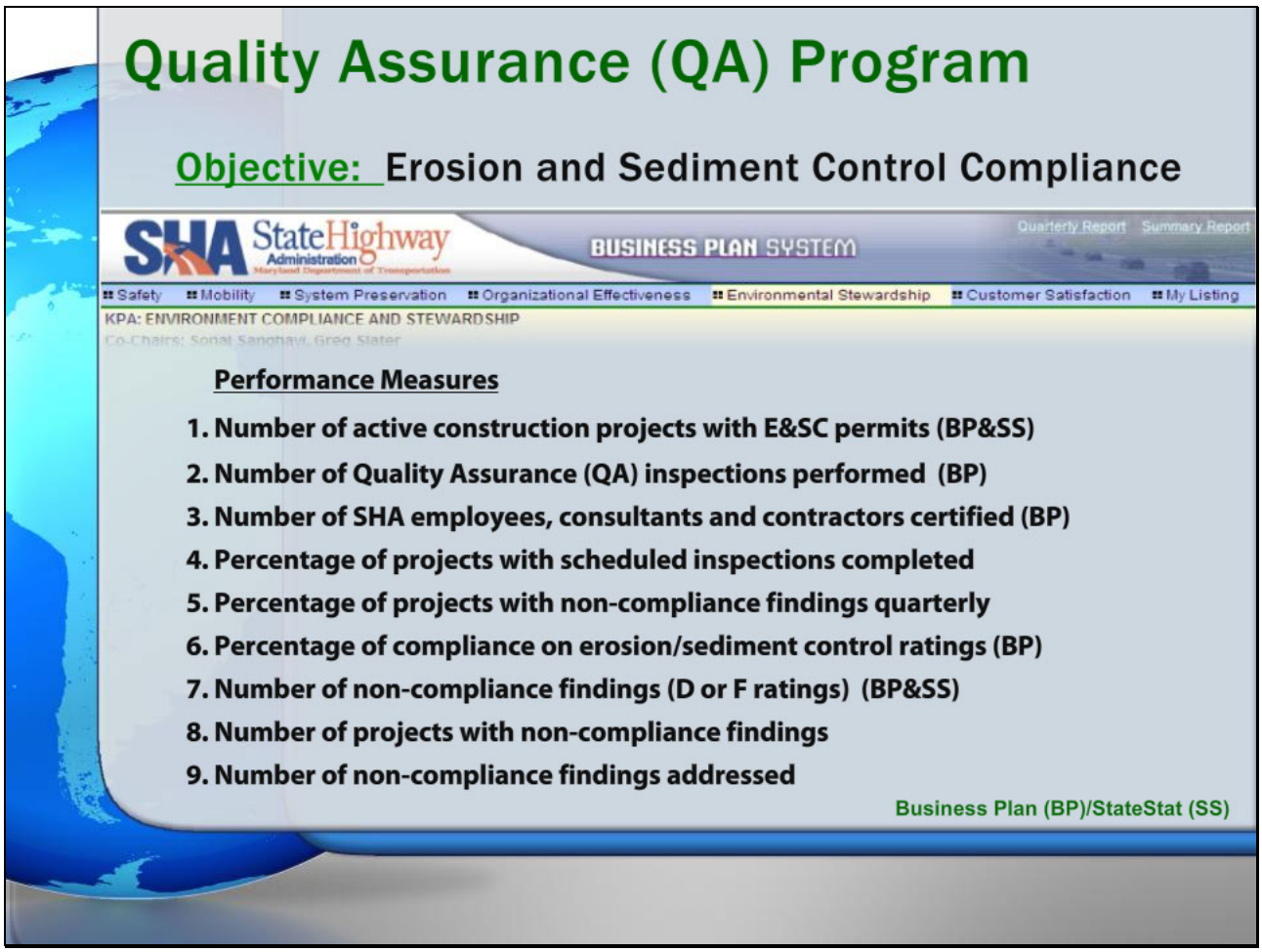
Slide notes

The Quality Assurance program was created through an M.O.U between S.H.A and the Maryland Department of the Environment (M.D.E) to provide environmental oversight of construction and maintenance projects. The Quality Assurance program conducts routine project reviews and completes an independent, objective evaluation of the compliance status of that project related to environmental concerns.

The information is tracked in multiple ways through an extensive online database.

Notes

Slide 7 - Objective: Erosion and Sediment Control Compliance

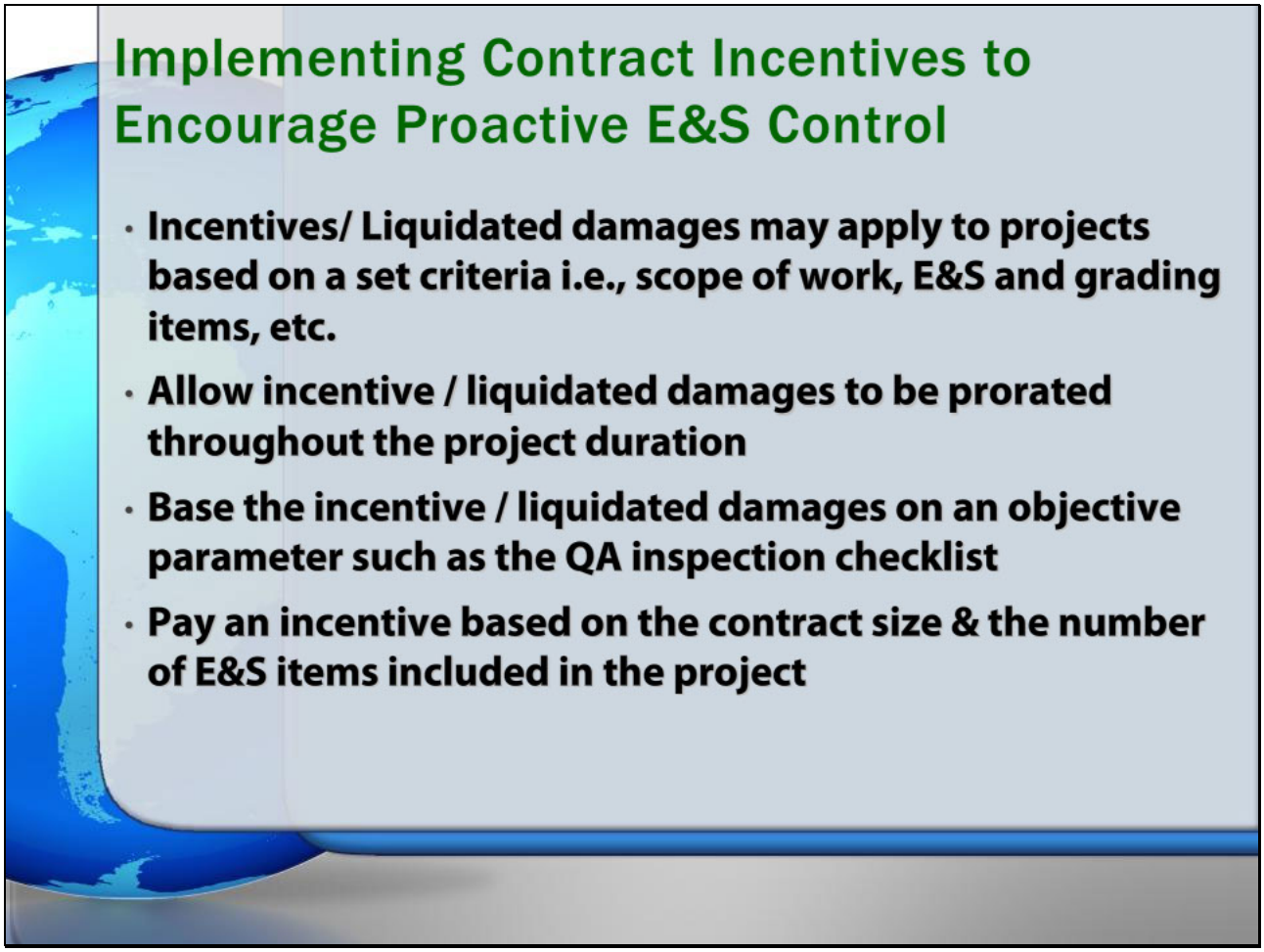


Slide notes

The goal of this program is to help S.H.A achieve compliance with Maryland Department of the Environments erosion and sediment control permit requirements on all S.H.A. construction projects and maintenance activities on a quarterly basis. The information is entered into the Administrations business plan and Maryland State Stat. The Business Plan and State Stat are a tracking and reporting system designed to help improve the efficiency and effectiveness of state government. This information is reviewed at the highest levels of the state government.

Notes

Slide 8 - Implementing Contract Incentives to Encourage Proactive E&S Control



Slide notes

With an objective system of compliance evaluation, the Administration implemented a system of liquidated damages and incentives payments. These items are directly related to the environmental impact and risk of the project. Liquidated damages and incentives are a part of the contract documents and the payment system for that contract.

Notes

Slide 9 - Training & Certification for Designers, Contractors & Inspectors

Slide notes

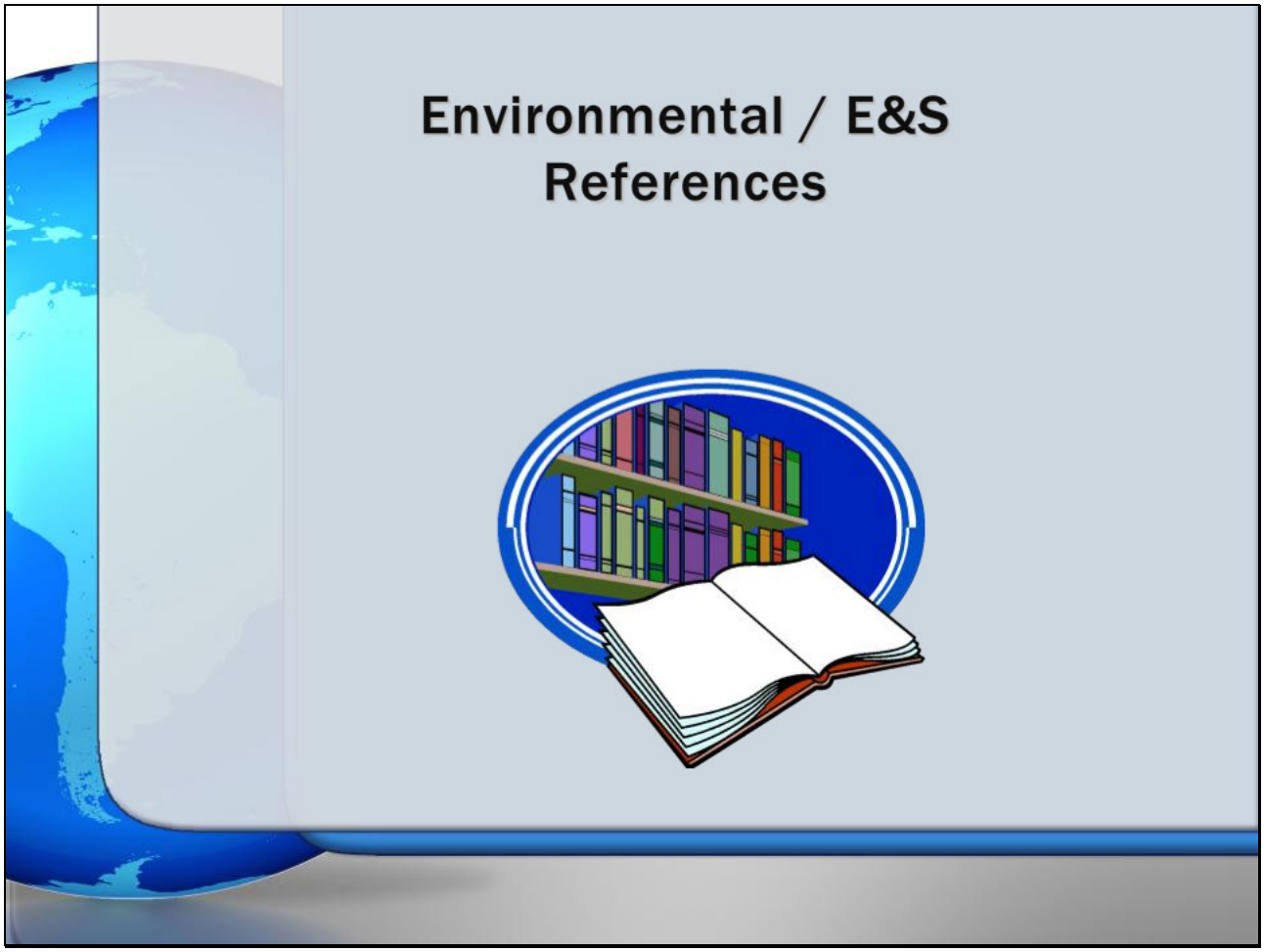
The Yellow Card training has been conducted for nearly a decade and has trained individuals from local governments to the federal level. State Employees, consultants and private contractors have attended the classes, which are conducted on a regular basis. As you will see in the training, this certification is required for certain individuals on an Administration project.

Enhancements to the training are continuing as the regulations related to the environment continue to change.

The Administration is committed to a policy of environmental stewardship and the goal of the training you are about to see is to help you gain an understanding of what you can do to help everyone continue to succeed in that challenge

Notes

Slide 10 - Environmental / E&S Reference Use



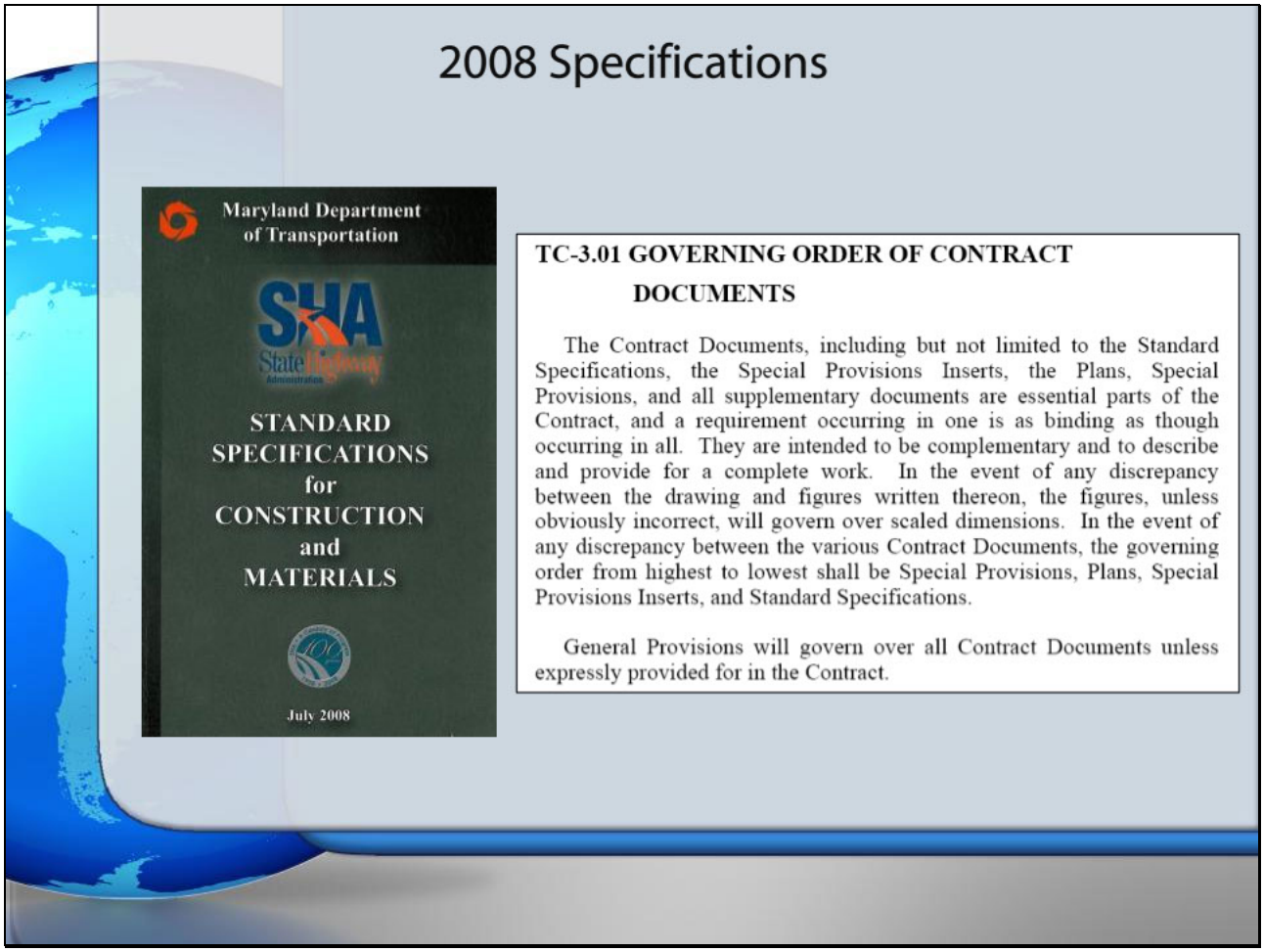
Slide notes

The Q.A. program continues to move forward with an emphasis on outreach and training, part of this effort includes the development of reference materials and guides to help individuals in the field to better understand what is necessary to comply with the many specifications and regulations related to environmental protection.

We will now consider environmental erosion and sediment control reference use. With changing regulations it remains important to stay updated with current reference material. The following reference materials will be mentioned throughout the training modules.

Notes

Slide 11 - 2008 Specifications



Slide notes

The standard specifications are the baseline that a contract is built upon.

It is important to understand the hierarchy of contract documents.

The governing order of the contract documents from highest to lowest is,

Special Provisions included within the IFB / Invitation for Bid (The Contract).

Plans,

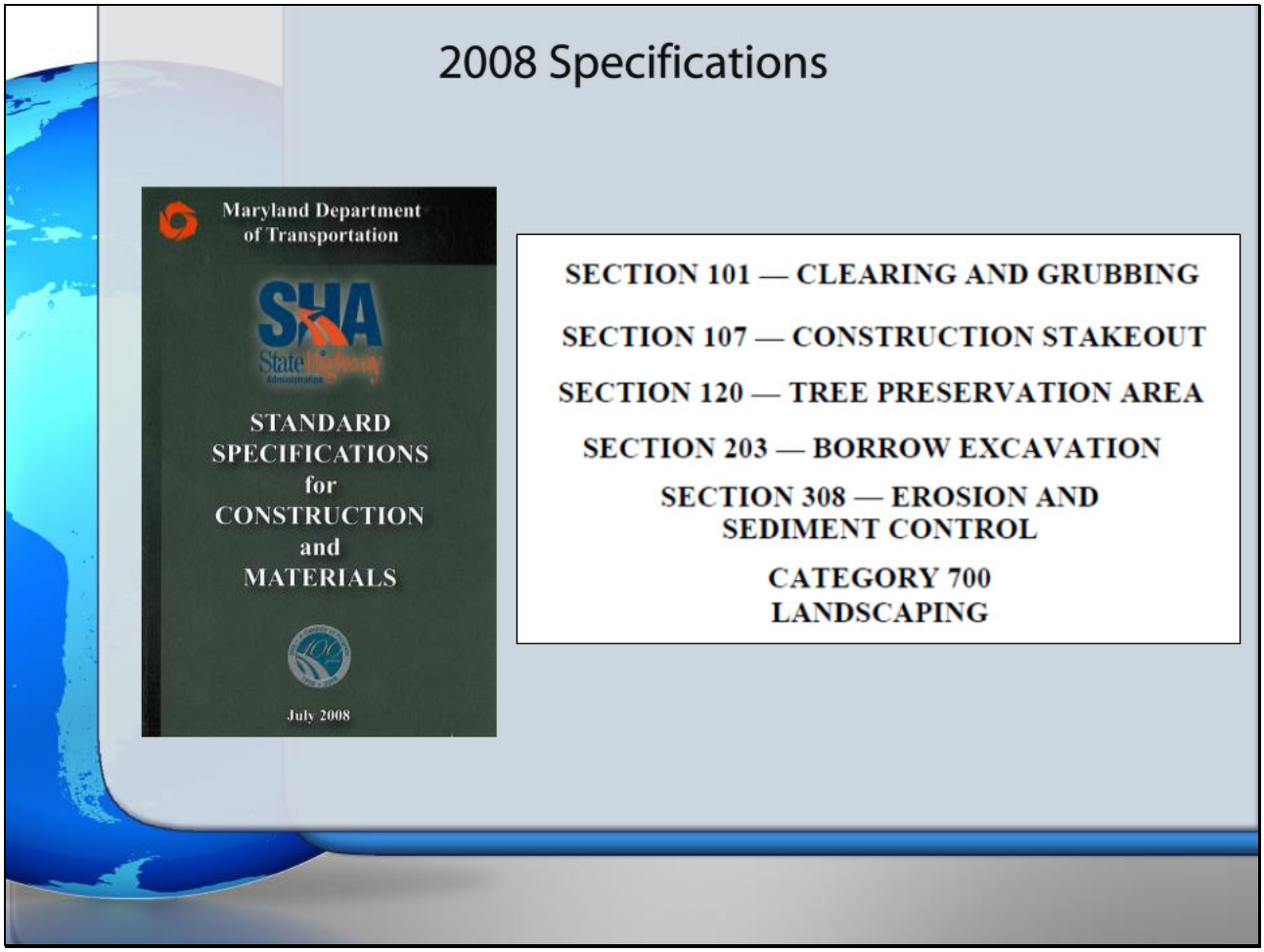
Special Provision Inserts,

Standard Specifications.

The General Provisions will govern over all contract documents unless expressly provided for in the contract.

Notes

Slide 12 - 2008 Specifications

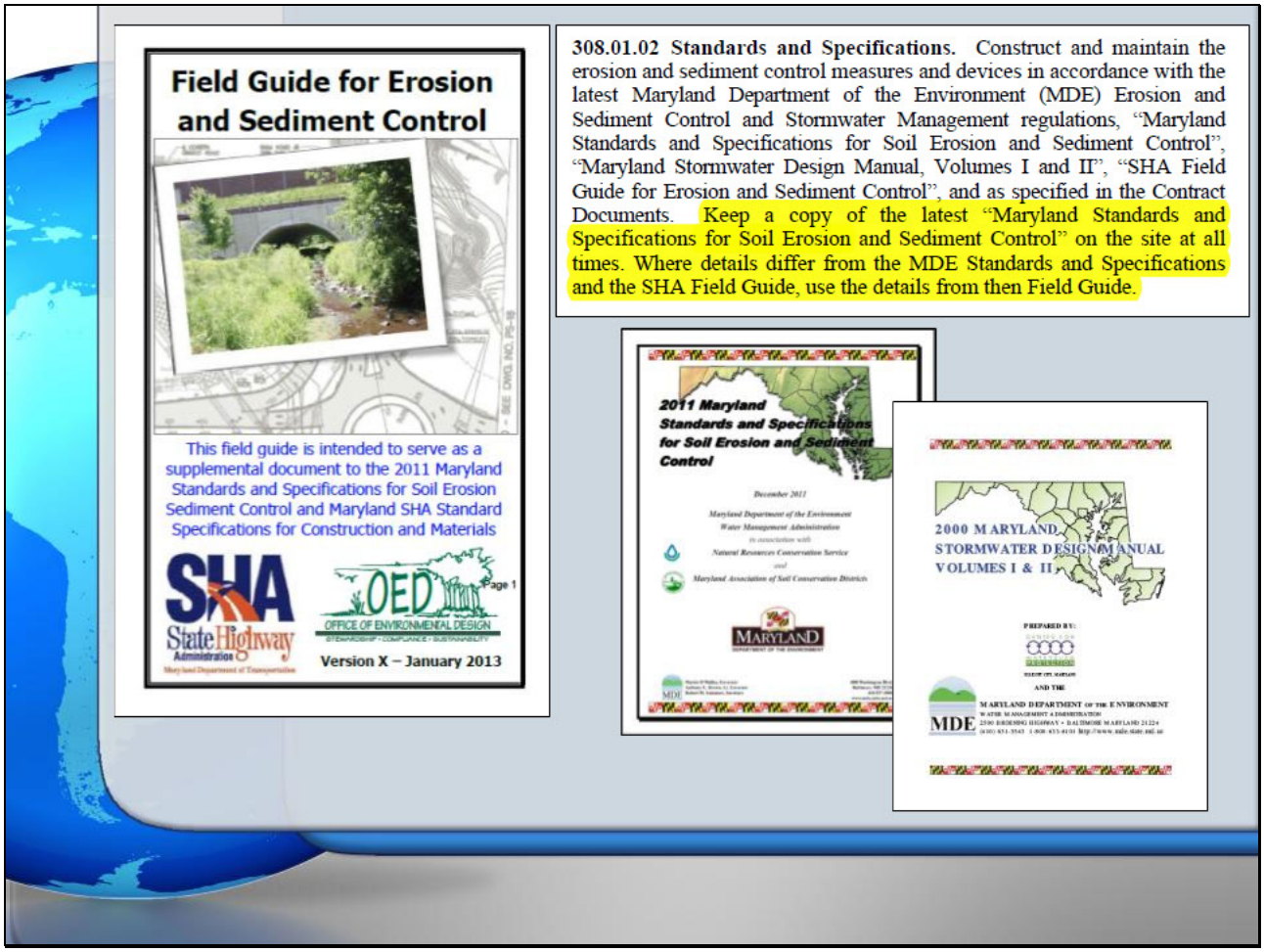


Slide notes

These sections contain environmental information that needs to be reviewed and understood in order to achieve full environmental compliance on a project.

Notes

Slide 13 - Onsite Documents



Slide notes

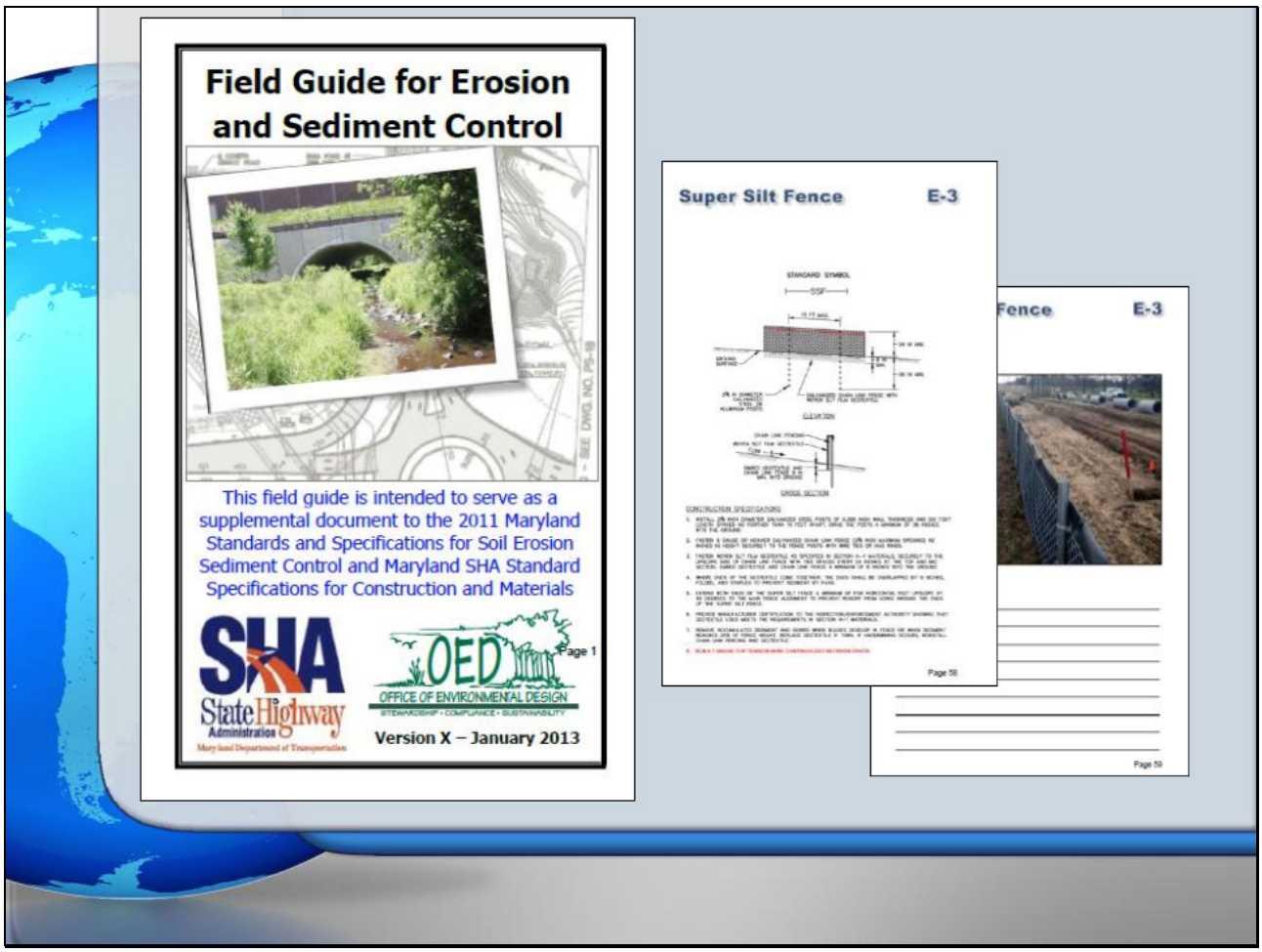
There are multiple guides that are required to be on a project site for reference.

If there are discrepancies among the various contract documents, remember the hierarchy of those contract documents as discussed earlier. If there are details for E&S controls included in the plans, they govern.

As stated in the 2008 specifications, when there is a difference between the M.D.E. specifications and the SHA E and S Field guide, the field guide is the reference document to be utilized. The intent of the field guide is to provide the most up to date changes related to E and S controls.

Notes

Slide 14 - SHA Erosion & Sediment Control Field Guide

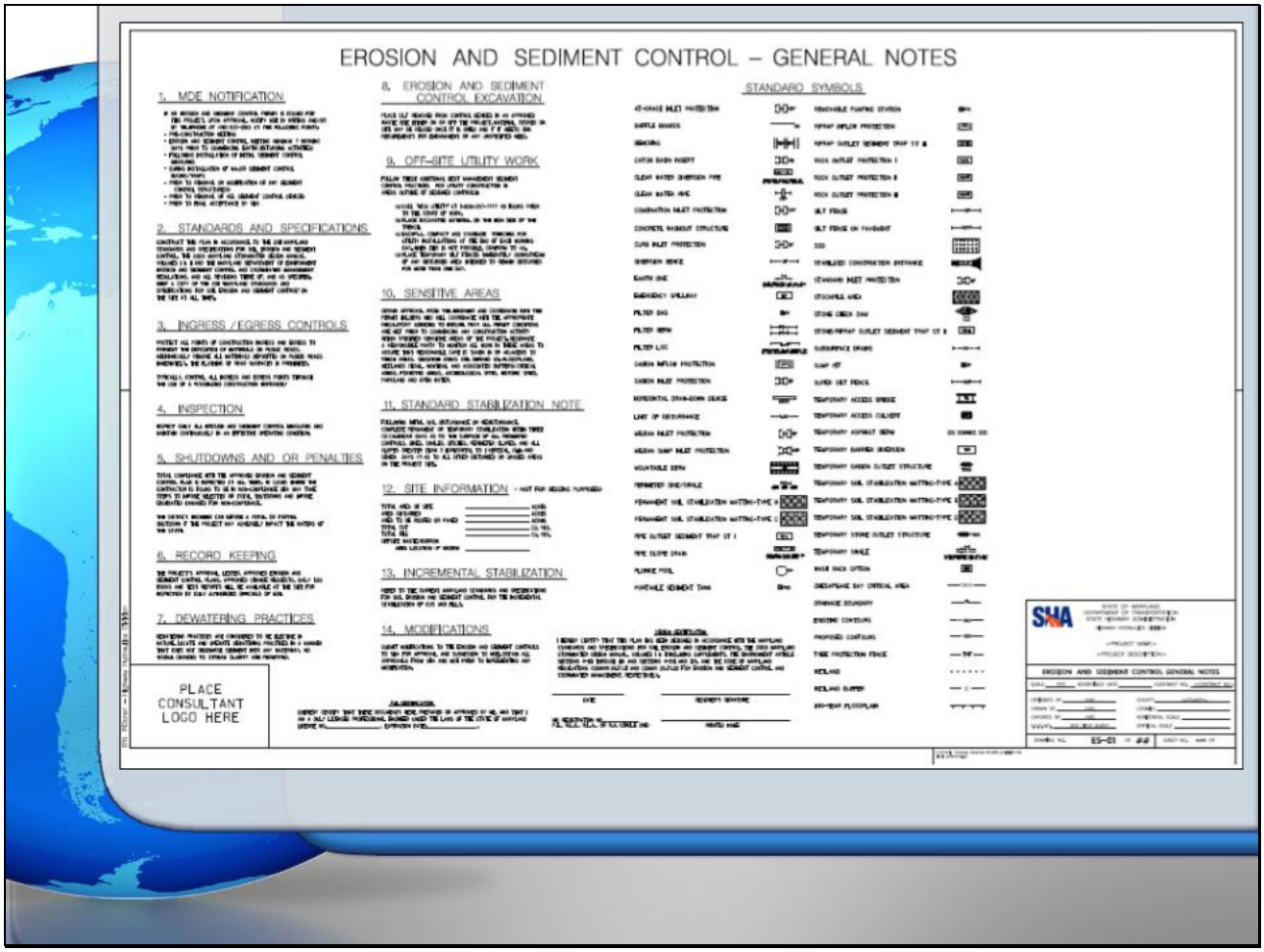


Slide notes

The SHA E and S field guide may include detail changes that exceed the M.D.E minimum specifications. This document should be referenced at all times when installing or maintaining E and S controls on a State Highway project.

Notes

Slide 15 - E&S Plan General Notes



Slide notes

E&S General Notes are found in the project documents and may vary from project to project. These notes apply to all projects and may be superseded by the contract documents.

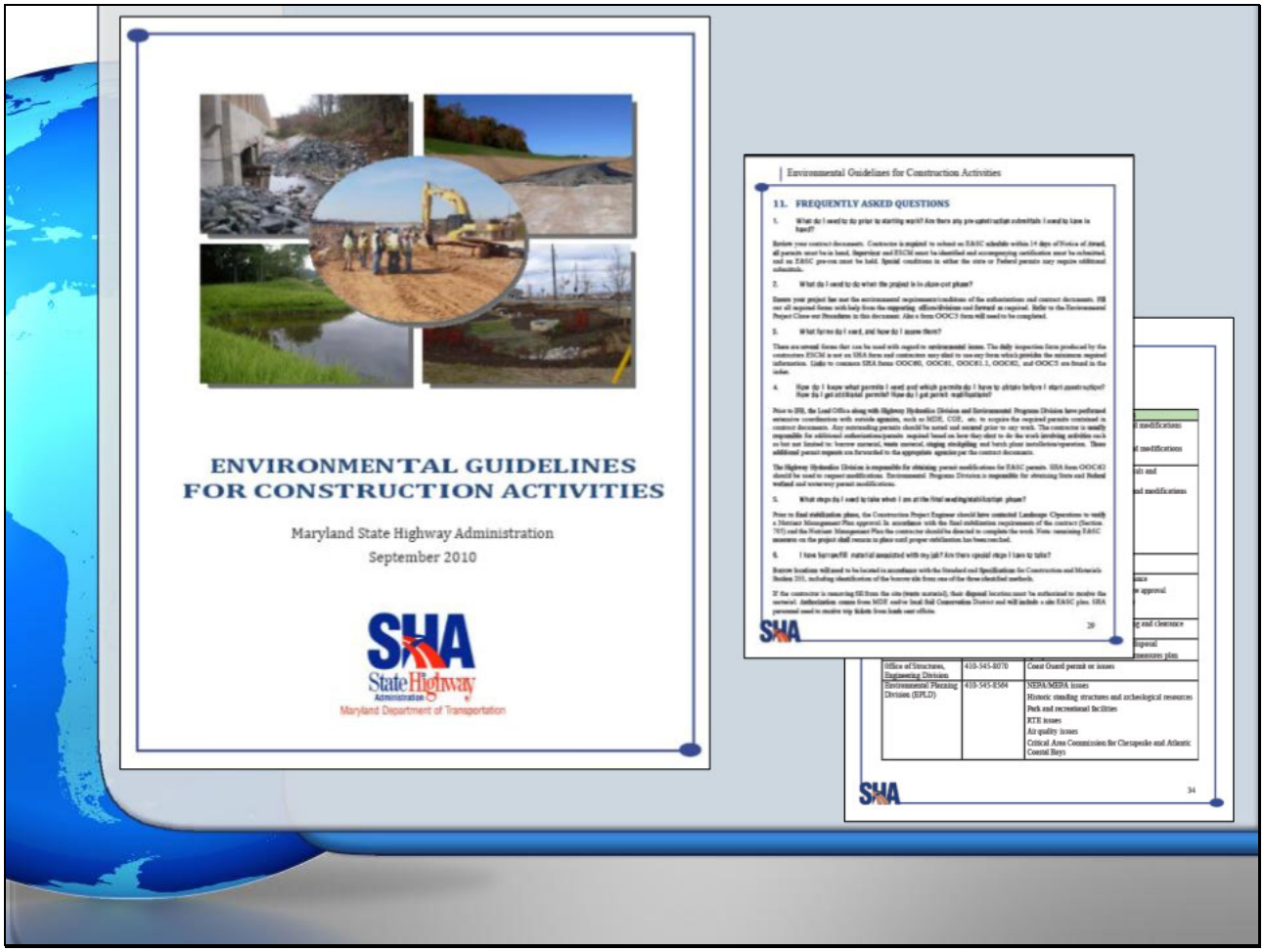
They provide general information such as the area disturbed on the project, M.D.E Notification requirements, stabilization, etc.

For projects that do not have plans, the general notes may appear in the I.F.B.

An example of information provided by the General Notes is note 12. This note shows the amount of disturbance in acres. If the amount of disturbance shown here is greater than 1 acre then an NPDES permit is necessary for the project.

Notes

Slide 16 - Environmental Guidelines for Construction Activities



Slide notes

This document addresses various environmental issues, requirements, contacts, and reference materials. Within this document are the answers to many questions that may arise in the field. If it cannot answer your question, it can direct you to the person or group that can help.

Notes

Slide 17 - Environmental Monitor User Gude

Slide notes

This is a reference for Environmental Monitors. This guide helps all stakeholders understand the role of the Environmental Monitor.

Notes

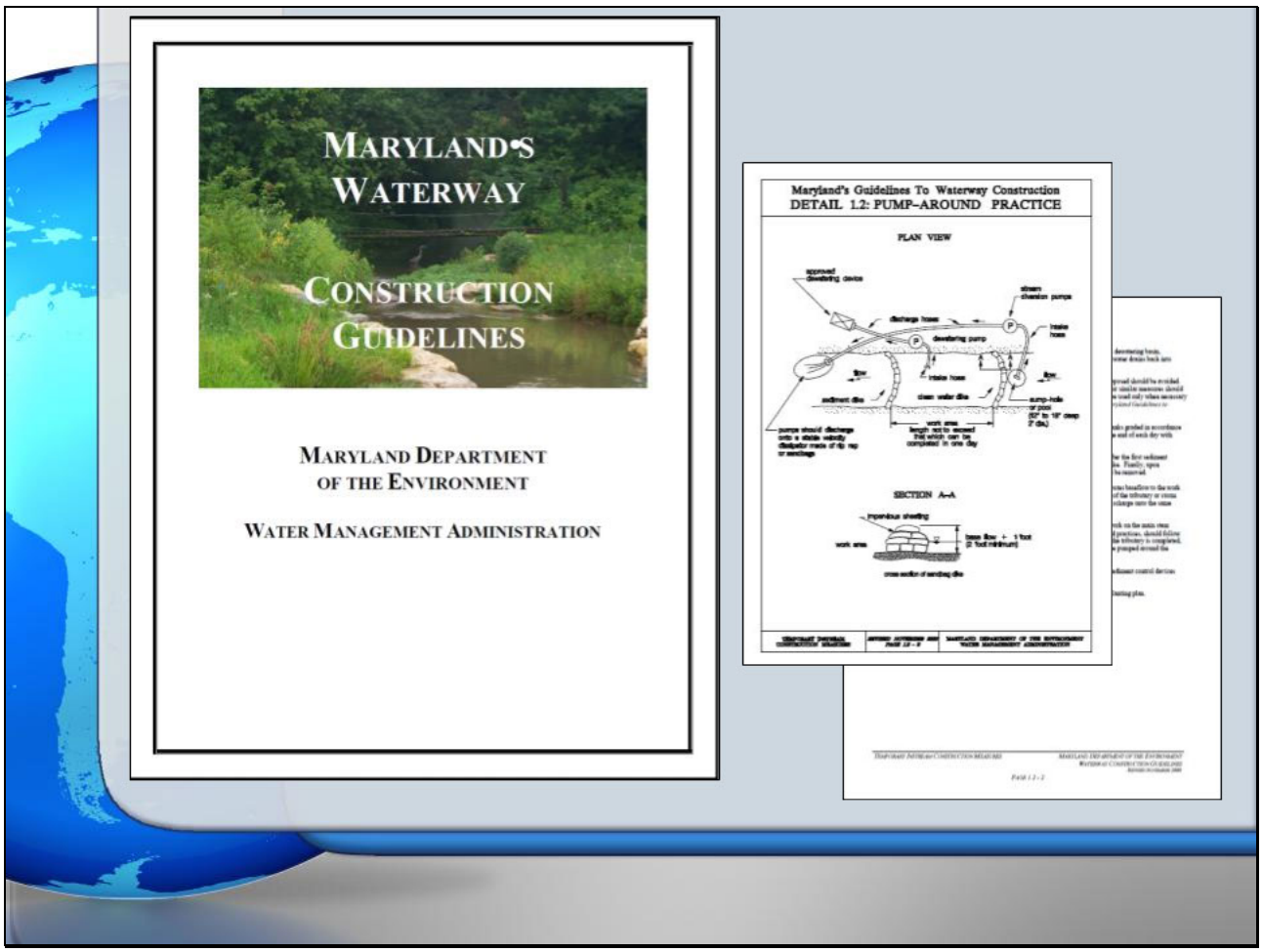
Slide 18 - 2011 MDE Specifications

Slide notes

The M.D.E spec book applies to projects as indicated in the general notes of the plans. It includes design guidance, installation details for controls and also the maintenance requirements of those controls

Notes

Slide 19 - MD Waterway Construction Guidelines

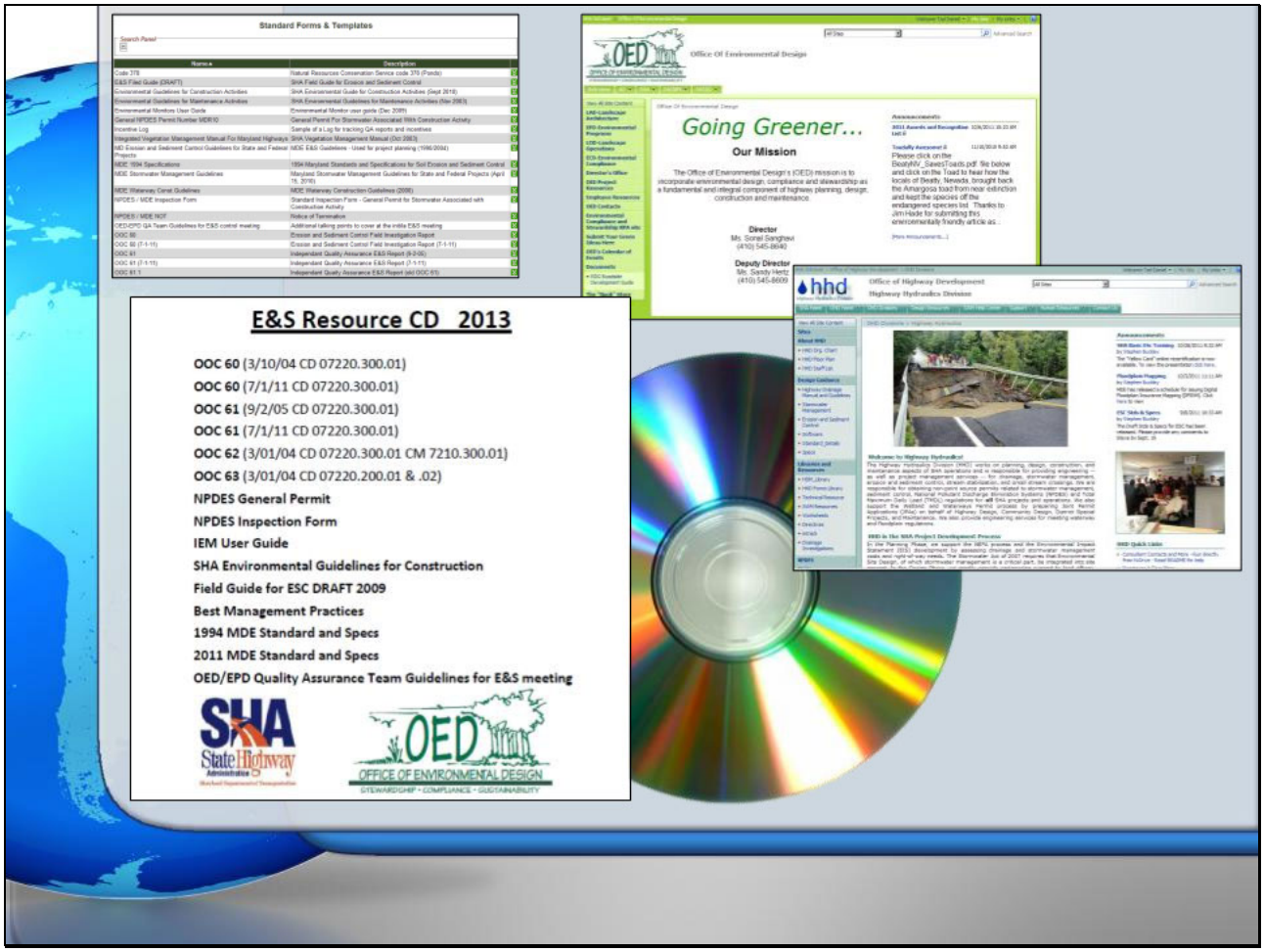


Slide notes

The maryland waterway construction guidelines should be utilized when no specific details are provided on the plans and work is taking place within or adjacent to a waterway. Here you see an example of the correct setup for a pump around operation in a stream.

Notes

Slide 20 - Availability



Slide notes

These reference materials are available in multiple ways including, the S.H.A intranet, the Q.A toolkit and on the Resource C.D. available from your Regional Environmental Coordinator.

Notes

Slide 21 - End

Slide notes

This concludes the Environmental Stewardship and reference section of the training. Please continue with the next module of the training by selecting it from the menu on the left side of your screen.

Notes