Soil Erosion and Sedimentation Control

Troy, Michigan

The State of Michigan mandates Soil Erosion and Sedimentation Control (SESC) for construction sites. The State certifies individuals to uphold the standards of the program. An SESC Plan is required for each construction site and contains the design, construction, and maintenance of existing or proposed: sedimentation control basins, primary overflows (internal drop structure), secondary overflows, berms/berm weirs, grading and shaping, stabilization by vegetation, enforce overflows (Enkamat or approved equal), discharge points of sediment control basis, energy dissipaters, "Rip-Rap," and on-site disposal areas.

Spalding DeDecker Associates, Inc. (SDA) provides SESC observation services for the City of Troy, a designated Local Enforcing Agent (LEA). Over 75 commercial construction sites throughout the City have been inspected to date. SDA implemented and enforced the SESC Best Management Practices as required by the State and the City of Troy's SESC Ordinance.

SDA has in-house state certified SESC construction technicians. SDA provides reviews, site observations, and preparation of Construction Technician's Daily Reports (TDRs) which document non-compliance issues. In addition, SDA assists the City in preparing Notice of Deficiency letters.

SPECIAL FEATURES

SDA performed SESC observation services for the Sanctuary Lake Golf Course. This golf course was constructed over a pre-existing landfill area. The landfill area was capped with three feet of clay, and special barrier walls were installed in order to contain the contaminated material.

Earth berms and stone filters were implemented to mitigate potential surface run-off to sensitive on-site and off-site wetlands and woodlands. Permanent monitoring wells were placed at key points throughout the site.

SDA created a Project Portal website to facilitate immediate communication of Daily Reports and non-compliance issues.

OWNER / CLIENT

City of Troy

PROJECT START - END

September 2002 - Ongoing

SDA PROJECT NO.

TR02-001