CONSTRUCTION SWPPP: RESTAURANT IN CENTRAL TEXAS

PROJECT OVERVIEW

ESE Partners developed a comprehensive Construction Storm Water Pollution Prevention Plan (SWPPP) to support construction of a new located in Central Texas. The plan was prepared in accordance with the Texas Pollutant Discharge Elimination System (TPDES) General Permit TXR150000 to ensure environmental compliance throughout construction.

PROJECT CHALLENGE

The project involved active commercial development including clearing, excavation, grading, foundation installation, parking construction, utility installation, and landscaping improvements across an approximately 0.55-acre construction area within a broader planned development. The SWPPP provided controls for sediment, to prevent unauthorized discharges, and protect downstream receiving waters.

SCOPE OF SERVICES

ESE Partners prepared a construction SWPPP including site characterization, pollutant risk assessment, drainage evaluation, BMP development, stabilization planning, discharge identification, inspection requirements, and recordkeeping framework.

ESE APPROACH

ESE evaluated site soils, drainage routes, disturbance activities, and proximity to Bunton Branch and Soil Conservation Service Reservoir 5, which receive stormwater from the project area. A layered system of Best Management Practices (BMPs) was established to control runoff, minimize sediment transport, and reduce environmental risk while supporting construction efficiency.

KEY FINDINGS & CONTROLS IMPLEMENTED

- Identified potential pollutants including sediment, turbidity, petroleum hydrocarbons, and concrete-related materials
- Established phased erosion and sediment controls coordinated with the construction schedule
- Implemented silt fence perimeter protection and rock filter / aggregate access stabilization controls
- Defined stabilization requirements for temporary and final conditions
- Developed structured inspection, maintenance, and corrective action procedures
- Established documentation, recordkeeping, training, and operator responsibility expectations

OUTCOME

The SWPPP provided this company and its construction team with clear, practical environmental compliance guidance. The plan supports responsible development, protects local waterways, and ensures construction activities proceed in alignment with TPDES regulatory requirements and within a broader planned development.