

SEAN SULLIVAN, PE

## Education

B.S. – Civil/Environmental Engineering, The University of Massachusetts at Dartmouth, 2014

## Certifications

Professional Engineer, VA license no. 0402059497

## Professional Experience

Mr. Sullivan serves SCS as a Project Professional within the Landfill Gas (LFG) group. He has experience in site design and environmental engineering practices. Examples of project experience include the following:

### Landfill

**Rockingham County Landfill, Rockingham County, VA:** Assistant Engineer for a new entrance to the Rockingham County Landfill with the addition of a Citizens Convenience Recycle Center. Site design responsibility includes roadway, parking lot, utilities, stormwater management, erosion and sediment control, construction cost estimating, and grading.

**Hodges Landfill, Carroll County, MD:** Aided in the redesign of surface grading, and replacing of the landfill cap where a slope failure has occurred. Designs also included the modification of the Landfill Gas Collection System including abandoning, relocating, and extending LFG vents.

**Rockingham County Landfill Phase 5A Expansion, Rockingham County, VA:** Assistant Engineer for the design of the first of three cells for the landfills expansion. Design for the new 25.80 acre cell includes roadway, leachate collections lines, stormwater management, erosion and sediment control, and grading.

**Greater Lebanon Refuse Authority Heilmandale Expansion, Lebanon, PA:** Project Engineer for the development of Permit Modifications plans for the 47 acre landfill. Plan included base grading, engineer modified grading, final grading, cell phasing plans, leachate collection, landfill gas collection, and stormwater conveyance.

**Shenandoah County Landfill Phase 4 Expansion, Shenandoah County, VA:** Project Engineer for the development of a construction plan set for the Phase 4 Cell Expansion. Plan set includes base grading, engineer modified grades, leachate collection, and detention pond design.

### Landfill Gas

**Cullum Woods Landfill, Fort Belvoir, VA:** Project Manager for the modification/expansion of the facility boundary to provide additional lateral buffer for landfill gas migration monitoring. Design responsibilities include expansion of the boundary, and placement of new monitoring

wells. There will also be construction monitoring for the installation of the gas monitoring wells.

**Honeygo Run Reclamation Center, Republic, Perry Hall, MD:** Project Engineer for the design of a new landfill gas extraction system. Design aspects included, pipe sizing, pipe placement, pipe slopes, vertical extraction wells, horizontal collectors, condensate sumps, and siting of a blower flare station

### **Transfer Station**

**Montgomery County Transfer Station, Montgomery County, MD:** Assistant Engineer tasked to design concepts for an expansion at the Montgomery County Transfer Station. Concepts involved thorough civil engineering design to allow the most efficient expansion.

**City of Richland Transfer Station, Richland, WA:** Assistant Engineer aiding in the conceptual design of a new Transfer Station located at either the City of Richland Landfill or Wastewater treatment plant. Conceptual design included siting of the Transfer Station Building, roadway, and utilities.

### **Other Experience**

**Missouri Road Liquids Management, Prince George's County, MD:** Project Engineer for the conceptual design of a new liquids management tank located at the citizens convenience center in Prince George's County. The conceptual design included a feasibility study between an oil/water separator and an onsite wastewater treatment tank. Design also included general siting and utilities.

**West Ox Bus Station Expansion, Fairfax, VA:** Assistant Engineer aiding in the inspections for the installation of a methane mitigation liner system for the buildings foundation. Inspections onsite inspections to make sure the liner has been installed per civil drawings with the correct materials.

**Ashland Rail Transit Apartments, Ashland, MA:** Design Engineer for the addition of 400 new apartment units located in Ashland. Responsibilities for this project included design of the layout for the 10 main buildings, parking design, extensive grading, utilities, stormwater management with underground recharge systems, and erosion and sediment controls.

**Total Wine, Shrewsbury, MA:** Design Engineer for the construction of a new Total Wine retail store. Tasks included site layout, design of utilities, stormwater management with a pollution prevention plan and underground recharge chambers, grading, parking design, and erosion and sediment controls.

**Marsh Road, Needham, MA:** Design of a simple overflow parking lot. Design aspects included grading, and stormwater management that included an underground recharge chamber and water quality device.

**CrossFit, Norwood, MA:** Design engineer for the construction of a CrossFit facility. Specific tasks included general site layout, utility design, grading, parking, stormwater management.

**Boch Subaru Parts Department, Norwood, MA:** Engineering Field Technician for the quality assurance of the construction of a Subaru Parts Department center. Job responsibilities included inspections of various construction aspects, performing on site testing on field placed concrete, and soil compaction testing with a nuclear gage.