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Project Highlight:

Stormwater Erosion Control

Quarry Hills Project



Goldman Environmental Consultants, Inc.



Since 1997, GEC has supported environmental, geotechnical, resident engineering, inspection, and surveying services to the Quarry Hills Recreation Complex project. This project has received over 13 million tons of excavate including contaminated soils and dredge spoil from Boston's "Big Dig," resulting in the closure of the municipal landfills in Milton, Quincy, and several other un-permitted state-owned landfills. This massive project will result in a 27-hole PGA championship golf course, baseball and soccer fields, rock-climbing and park facilities, and overall environmental restoration.

Brian Donahoe, GEC's VP for Environmental Services, served with Jacobs Engineering as a Senior Program Manager for the project from its inception in 1995 until 2002, and as a senior consultant thereafter. He was responsible for developing the overall Master Plan for the project, and oversaw all facets of the project including management, planning, design, engineering, and permitting. This effort included direct interaction with federal, state and local officials and regulatory agencies; two citizens advisory committees; environmental advocacy groups; and the public. Project development required the preparation of a full scope Environmental Impact Report and over 35 different permits. Subsequent modifications were made to the permits based on value-engineered design changes and improvements which substantially reduced costs and expedited the work. Issues updated regularly included dust management, noise and traffic levels, test results of soils, water quality mitigation performance and construction progress.

The critical project task was managing soil delivery from over 20 different excavation contracts — weighing, testing and placement or removal of the identified contaminated soils. Successful controls insuring that all soils could be tracked by origin, contract, and type resulted in far more than just regulatory confidence in the project team — the method was so innovative that MADEP now uses it as the standard for projects of similar scale.

GEC served its client by...

- Managing the transportation, testing and placement of 13 million tons of potentially-contaminated historic soils, dredge spoils, slurry waste and clay/tills in such a unique and efficient way that the method is now preferred by MADEP;
- Testing soils in discrete piles, which reduced soil mixing and kept the quantities of contaminated media to be removed to a minimum;
- Successfully planning and implementing mitigation measures that reduced the expected soil-rejection rate by more than 99%;
- Restoring and creating wetlands and waterways;
- Clearing the way for the demolition and redevelopment of more than 500 acres of industrial land into recreational parkland, with significant beneficial reuse of land and soil materials realized; and
- ***LEADING ALL ENVIRONMENTAL EFFORTS IN ONE OF THE LARGEST REDEVELOPMENT PROJECTS IN MASSACHUSETTS' HISTORY — AND SAVING THE "BIG DIG" OVER \$55 MILLION!***



For more information about this project, please contact the project manager, **Brian Donahoe** at (781) 356-9140