

Gloucester County Improvement Authority – Dream Park

Gloucester County, New Jersey

Property Owner:

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Contact:

George Strachan
 Gloucester County Improvement Authority
 109 Budd Boulevard
 Woodbury, New Jersey 08096
 (856) 848-4002



Purpose:

Capping and Equestrian Park Development

History:

The Gloucester County Improvement Authority (GCIA) finalized plans to develop 250 acres of their land into the Delaware River Equestrian, Agricultural, and Marine Park (“DREAM” Park), which was to include a complex of equestrian arenas, stables, horse trails, and associated recreational areas. The 250-acre site is located on the Delaware River and was formerly used by the Army Corps of Engineers as a dredge depository for river deepening projects throughout the 1950’s and 1960’s. This activity resulted in thick dredge deposits covering the site and containing low-level contamination; rendering the property unusable from an environmental and geotechnical standpoint. Not only was site contaminated and in need of a cap, but the soft dredge spoils would require pile foundation construction which was cost prohibitive. In addition, the dredge material was so plastic that it threatened horse safety. The GCIA was aware of Soil Safe’s Logan development, less than a mile down the road, where a unique recycled Soil Product was being used to cap the same dredge spoils and pave the way for formal development. The County approached Soil Safe to consider

working with the GCIA on the project. Based on Soil Safe’s relationship and history with the New Jersey Department of Environment (NJDEP), the GCIA was interested in Soil Safe taking the lead on engineering and permitting the cap, and ultimately providing the recycled material and installing the cap on approximately 180 acres of the site.

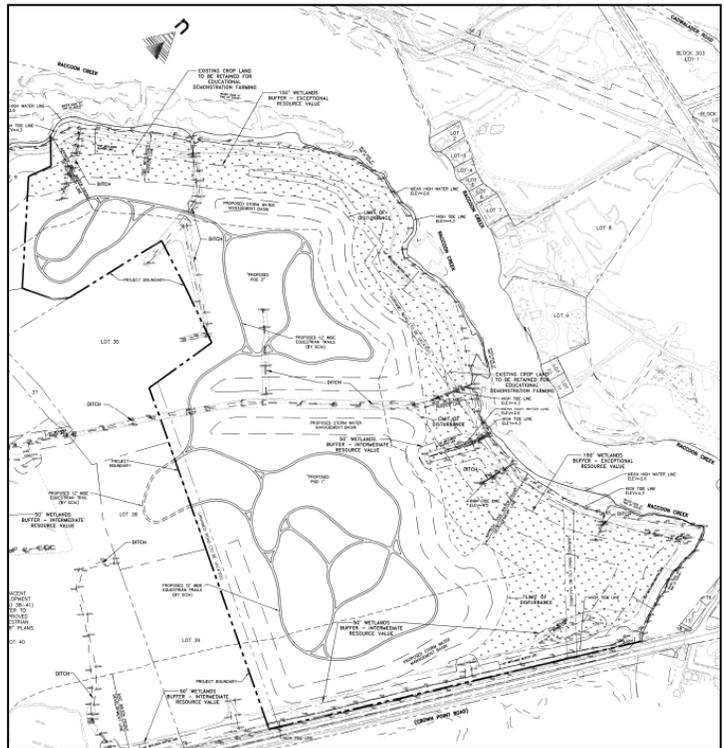
Soil Safe Capping Concept:

Soil Safe’s business model includes the recycling and beneficial reuse of non-hazardous contaminated soil. Through its stabilization treatment process, Soil Safe manufactures a recycled engineered Soil Product that has received Green Approved Product certification to the ICC 700 National Green Building Standard for recycled paving sub-base and other engineered soil material applications. Customers pay Soil Safe a fee to take their non-hazardous soil. Soil Safe then recycles that soil to produce a manufactured Soil Product. In Soil Safe’s 25-year operating history, the company has recycled over 26 million tons of non-hazardous soil. The Soil Product has been used in hundreds of applications including landfill caps, paving, and engineered fill.

Engineering and Permitting:

Soil Safe initiated the engineering and permitting effort and obtained all federal, state and local approvals to begin work on the riding trails. The scope of engineering plans, specifications and government approvals included the following:

- Site investigation and analysis
- Plans of survey and topography
- Freshwater wetlands delineation
- Conceptual design
- Site grading & construction detail
- Stormwater Management Plans
- Remedial Action Work Plan
- Health & Safety Plan
- Preparedness & Prevention Plan
- Spill and Emergency Response Plan
- Soil Erosion and Sediment Control Plan
- Waterfront Development Permit
- Freshwater Wetlands General Permit
- Historic Preservation Approval
- Baseline Ecological Evaluation
- Stream Encroachment Permits
- Soil Safe’s Class B Soil Recycling Permit modification for new end-market approval
- All local approvals



Completed Construction:

Approximately 85% of the capping construction is complete with large portions seeded and ready for horse trails and other amenities, including potential construction of several multi-purpose sport fields.

