



**500 Atlantic Avenue Soil Treatment Stabilization
Boston, MA
\$599,000**



regulations regarding the generation and disposal of Federal regulated hazardous wastes.

Charter successfully coordinated with the general contractor and the property developer's environmental consultant to identify disposal facilities to ensure that the proposed treatment procedure was acceptable, feasible, and compliant with Federal and State regulations and the facilities operating permits. Once verified, Charter secured the treatment reagent, in-situ treated the identified RCRA soil, provided confirmation sampling of the treatment process, and secured disposal facility approval and transportation services for the waste. 5,600 tons were treated and successfully transported and disposed from the site.

Charter performed as the primary T&D and remediation specialist for a general earth excavation contractor and property developer. These services were provided in support of the construction of a luxury high-rise hotel complex in downtown Boston, MA. At some point in the history of the parcel, the property was utilized as an electric power co-generation process site. As a result of these activities, the sub-surface soil to be excavated on the project was impacted with significant levels of Polycyclic Aromatic Hydrocarbons (PAHs) and various concentrations of heavy metals (lead). TCLP concentrations of lead in the soil required that a significant portion of the upper surface strata be managed as RCRA hazardous waste.



Prior to the initiation of the excavation work, Charter actively worked with the site general excavation contractor to promote the use of on-site treatment and stabilization technology to allow the TCLP-Lead failed soil to be ultimately managed as a non-RCRA material. The primary goal for the utilization of soil stabilization/on-site treatment technology of the RCRA material was to provide a cost savings of \$1.2M to the project during the useful development and clean-up of the impacted property. Additionally, Charter fully assisted the general contractor and property developer to reduce development and cleanup costs while remaining compliant with State and Federal

The site, located directly adjacent to sensitive environmental receptors (Fort Point Channel), was extremely limited in operational size. Charter assisted the excavation contractor to overcome both of those operational hurdles by providing valid technical support and timely operations service.