



**303 Third Street
Cambridge, MA
\$2,400,000**



Project to maintain the dewatering efforts throughout the main excavation. This included supplying a resin treatment system to successfully treat elevated cyanide in the groundwater.

Charter treated on-site soil that had levels of characteristically hazardous leachable lead. The soil treatment was successful in reducing disposal costs to the Project. The Project schedule was not impacted by the soil treatment because the required treatment areas were identified in a pre-characterization program and the treatment of the soil was conducted prior to disposal activities. This eliminated the need to stockpile soil on site and the treated material could be loaded out during the main excavation.

Charter's scope of work for this Brownfield's redevelopment project includes the handling, excavating, and off-site disposal of approximately 67,500 cy of material, of this, 42,000 cy of the material is categorized as "regulated" and about 25,500 cy is categorized as natural soil. The regulated soils from the site are mainly impacted by petroleum hydrocarbons, VOCs, SVOCs, and metals.

Charter developed and implemented a Health and Safety Program for the protection of workers during the excavation of VOC impacted soil that required an upgrade protection to Level C. Charter performed on-site air monitoring and directed the use of engineering controls to limit of VOC's during excavation activities.

Charter designed, supplied and operated a dewatering system to support the main excavation. The system included the following components to treat the groundwater to discharge levels:

- ▶Frac Tanks
- ▶Bag Filter Units
- ▶Carbon Units
- ▶pH Control System
- ▶Cyanide Resin System

Charter was able to incorporate additional dewatering system requirements that allowed the



The project started in June 2006 and is estimated to be completed Summer 2008.