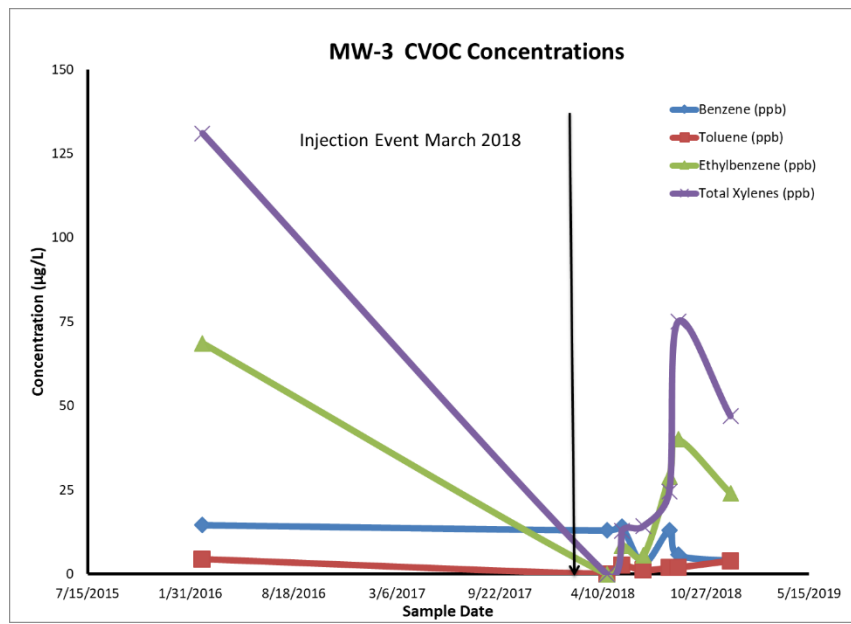
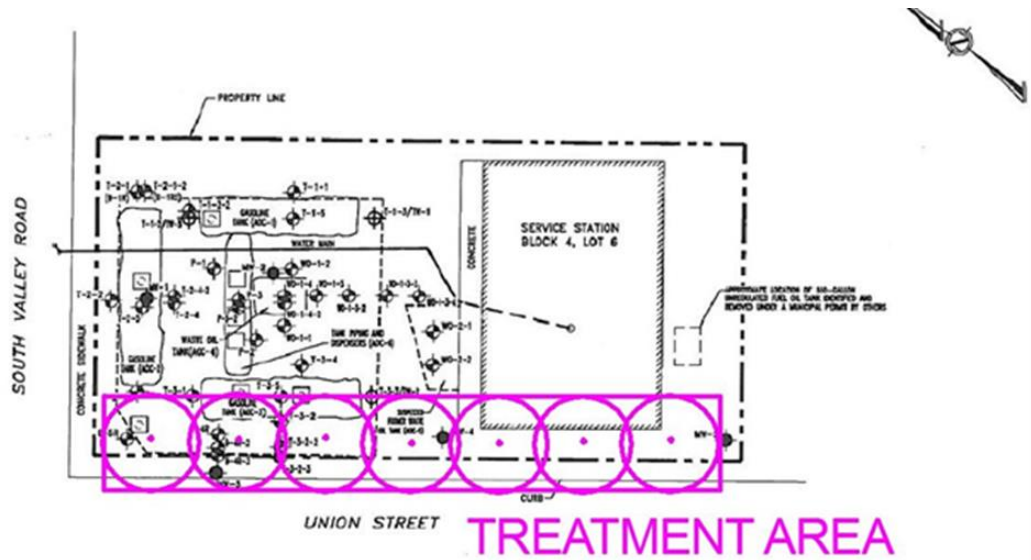
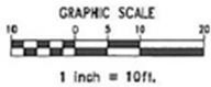


Project Summary

IET implemented an ISCO remedial technology design at a site in West Orange, NJ, on March 16th 2018, in order to address having impacted soils and groundwater due to the historic use of petroleum compounds. The remedial approach implemented at the site was the application of ferric oxide and sodium persulfate in order to oxidize residual concentrations of VOCs, most commonly petroleum hydrocarbons, in the soil and the groundwater. The contaminants were initially targeted by direct oxidation using the ferric oxide activated persulfate, which was followed by enhanced biological attenuation via sulfate reduction once the oxidation portion of the design was completed.



Conclusions

- In MW-3 total BTEX concentrations decreased by 64%.
- Benzene concentration decreased by 73%.