

**Former Marble Quarry Landfill
109 Marbledale Road
Tuckahoe, New York**

NYSDEC Brownfield Cleanup Program #C360143

Community Meeting # 12

June 28, 2017



HydroEnvironmental
SOLUTIONS, INC.

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RIC (Rapid Impact Compaction)

- GeoStructures, Inc. completed RIC work on June 8, 2017.
- RIC only occurred between the hours of 8:00 AM and 5:30 PM on weekdays.
- CAMP stations were used to monitor the site during all RIC work.
- Vapor monitoring of the designated vapor wells was preformed during all RIC work.

RIC (Rapid Impact Compaction)



Pile Drilling

- EBC (Environmental Bulkheading Corp.) has continued pile drilling using two drill rigs and the mud rotary drilling method. Drilling occurs between the hours of 7:00 AM and 7:00 PM on weekdays and some Saturdays.
- As of this week pile work is 75% complete.
- CAMP stations are used to monitor the site during all pile drilling work.
- Vapor monitoring of the designated vapor wells is being preformed during all pile drilling work.

Pile Drilling



Vapor Monitoring

- HES, HDR, and NYSDEC agreed upon which vapor wells and monitoring wells should be monitored for vapors using a PID, FID, and Four Gas meter during all RIC and pile work.
- HES monitored vapor levels in all agreed-upon wells in the localized area of RIC and pile work each day. Vapor monitoring is performed at the selected vapor wells a minimum of once every three hours while work continues.
- Three to four rounds of vapor monitoring occurred each day, depending on how long contractors worked on each given day.
- All results were shared with the NYSDEC and HDR on a daily basis for review and discussion.

Vapor Well Monitoring



Uncovered Drum



- During excavation one steel drum (<55-gallons) was uncovered.
 - Drum was empty.
 - Field screening of surrounding soils and inside of drum did not result in elevated readings.

Uncovered UST

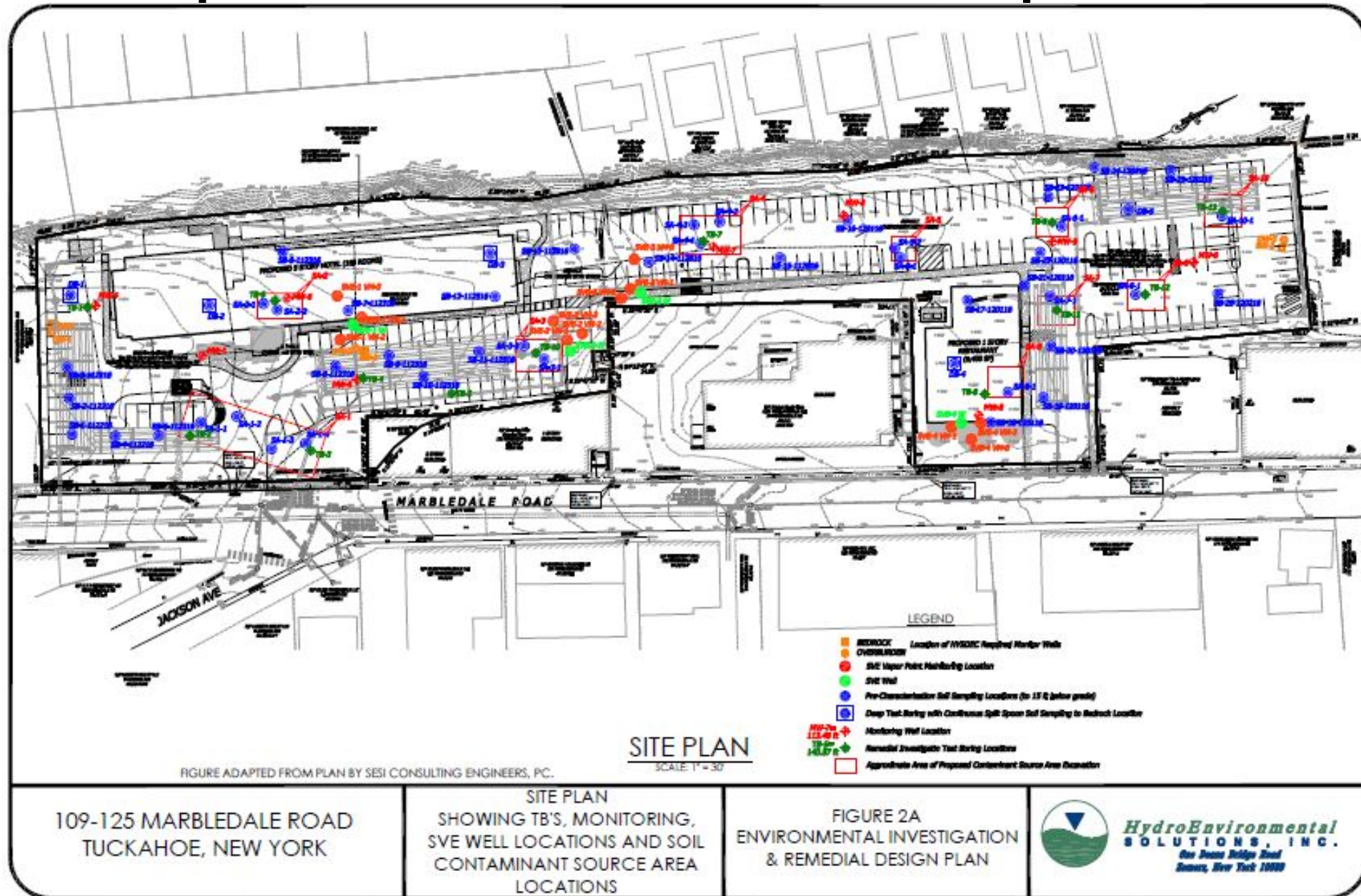


- During excavation of northern most retention basin system, one < 550-gallon steel UST was encountered and removed.
 - UST is staged adjacent to the excavation pending sampling results of its contents.
 - Surrounding soil was screened and stockpiled for disposal.
 - Excavation end-point samples were collected. Results are pending.

Pending Source Area Removal and Test Pit Work

- Additional excavation of SA-4 along the northern sidewall to remove any remaining Freon source materials.
- Installation of 3 additional test pits in the vicinity of SVE-3 to a maximum completion depth of 15 feet below grade. The purpose of the additional test pits is to investigate possible Freon source material.

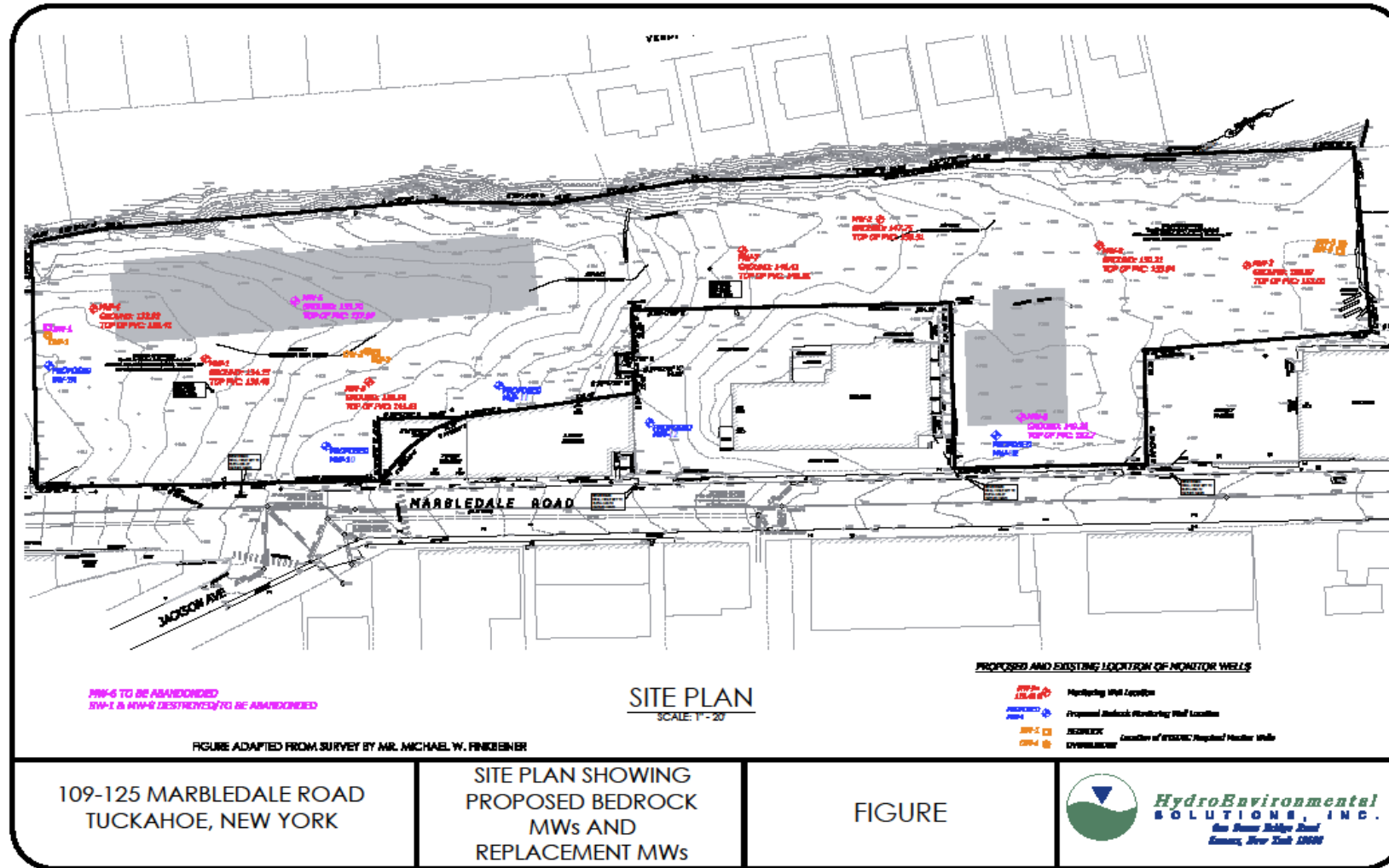
Proposed Future Site Development



What's Next?

- Continue to install piles until complete;
- Continue to place item 4/QP across site along with crushed stone to act as a temporary cap. This will continue during stormwater retention basin and culvert piping installation.
- Begin foundation work;
- Additional excavation of SA-4;
- Additional installation of test pits in the vicinity of SVE-3;
- Finalize designs of SSDS and SVE and install systems; and
- Installation of 3 new monitor wells and 2 replacement monitor wells.

Proposed Monitor Well Installation



Thank You for Attending the Tuckahoe
Community Meeting Related to the
Marbledale BCP Site!

Questions?

