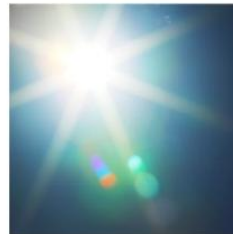


Robinson Terminal North update to Alexandria Ad-Hoc Construction Monitoring Group

March 4, 2019

Alexander Wardle
Petroleum Program





DEQ's Petroleum Program Approach

- Protect current human or environmental receptors at significant risk
- Remove oil on groundwater to the maximum extent practicable
- Reduce oil on property to amounts that are safe, and allow natural attenuation.



Initial Investigation

- Submitted August 2017
- High resolution site characterization
- Fourteen monitoring wells

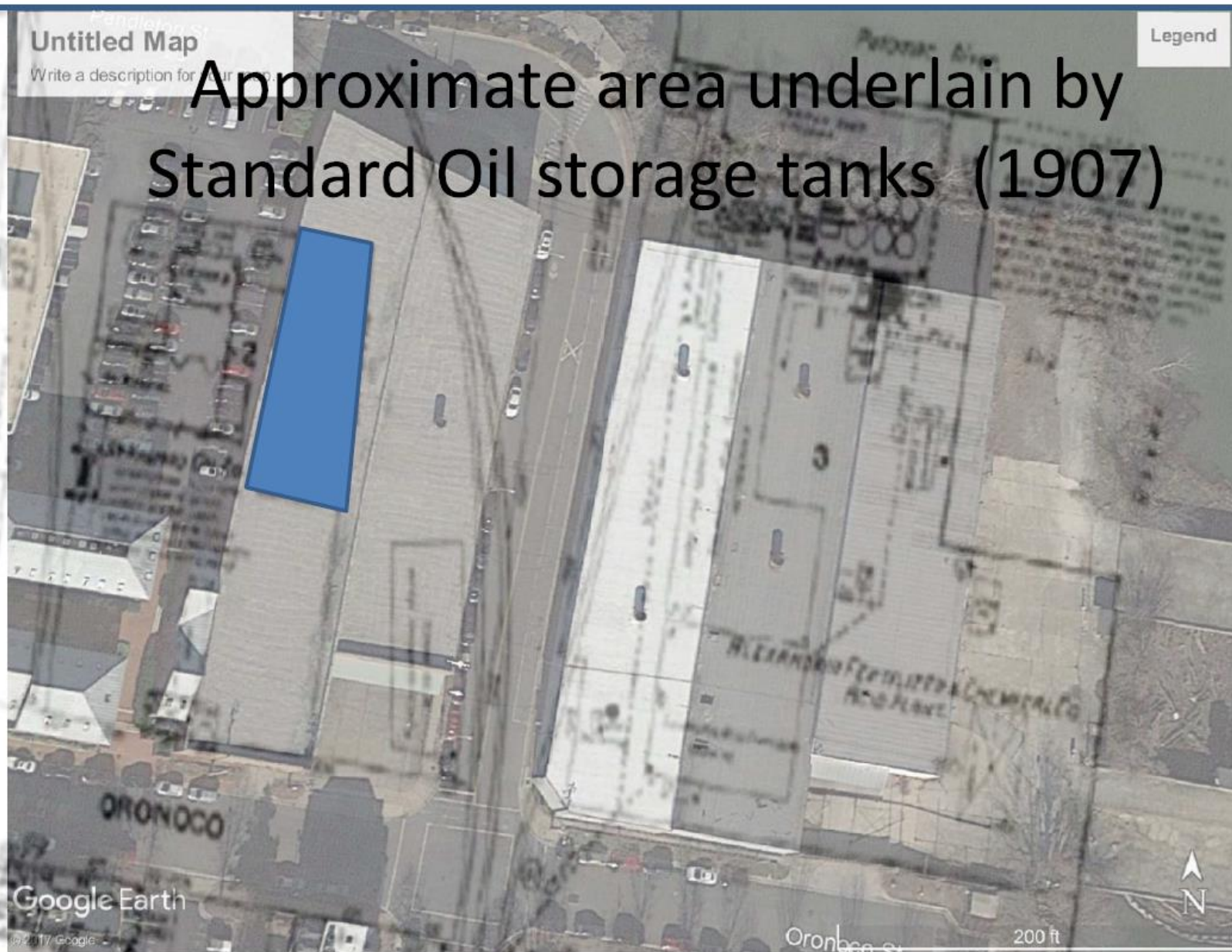


Untitled Map

Write a description for this map.

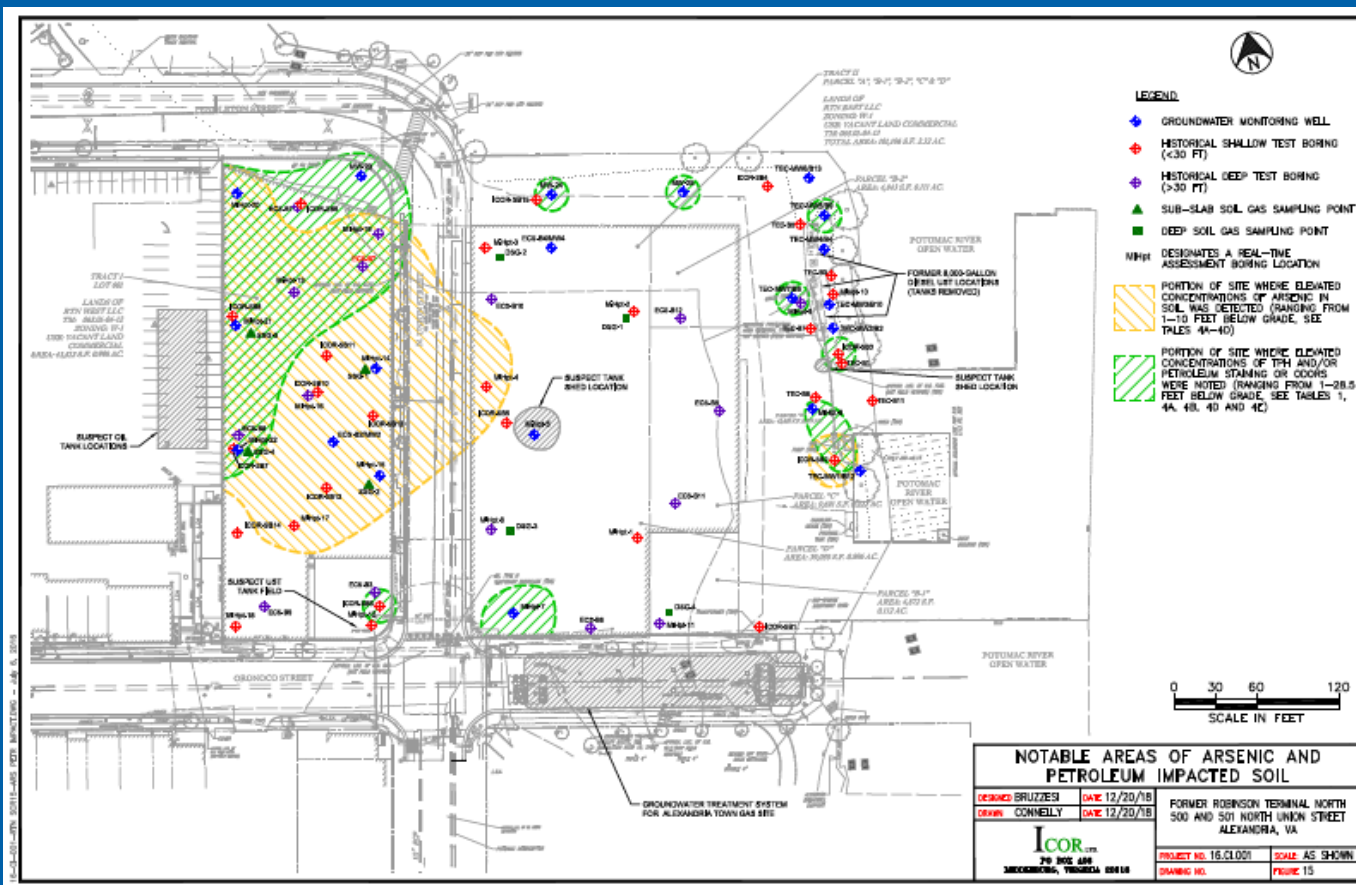
Legend

Approximate area underlain by Standard Oil storage tanks (1907)



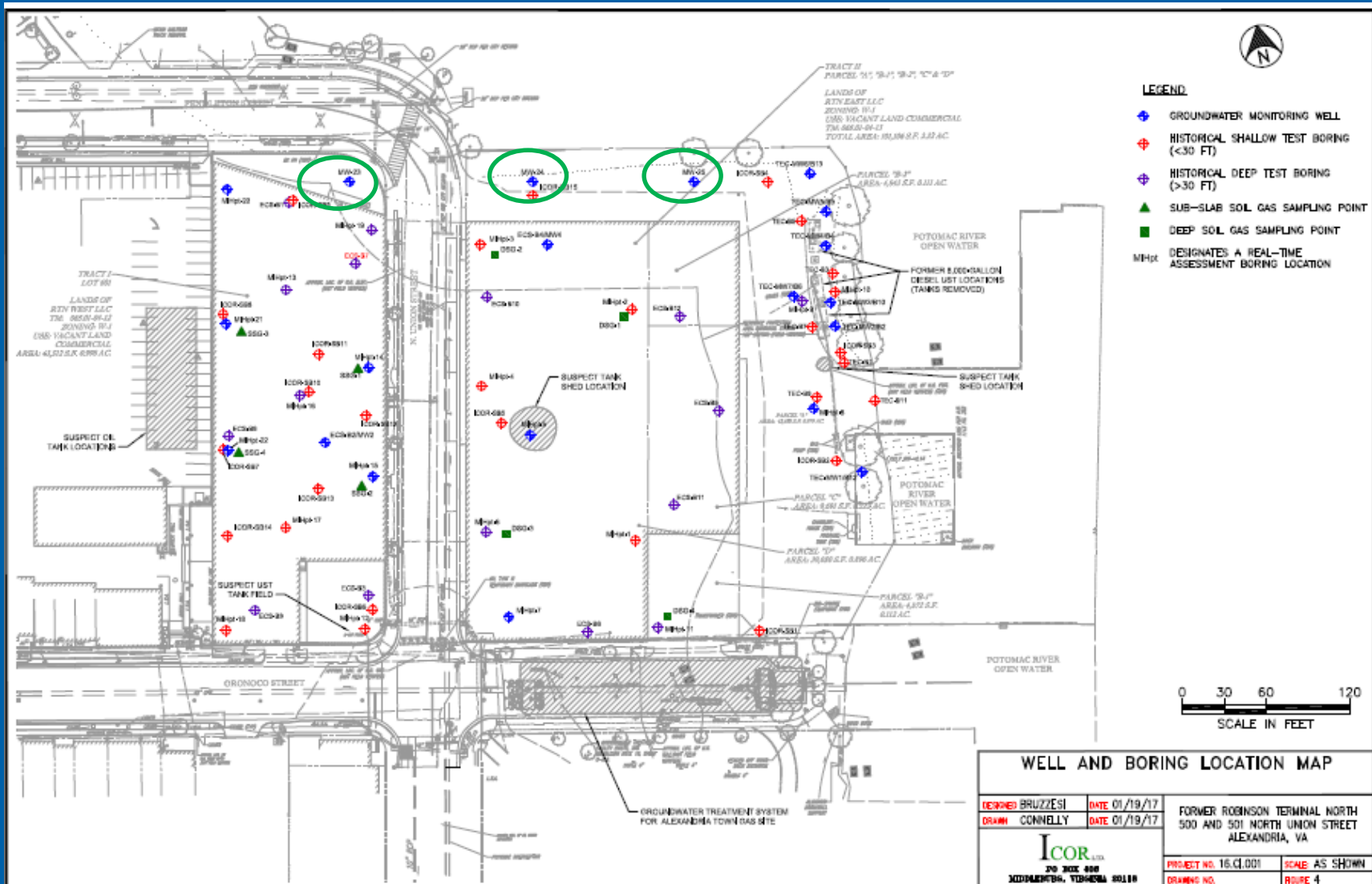


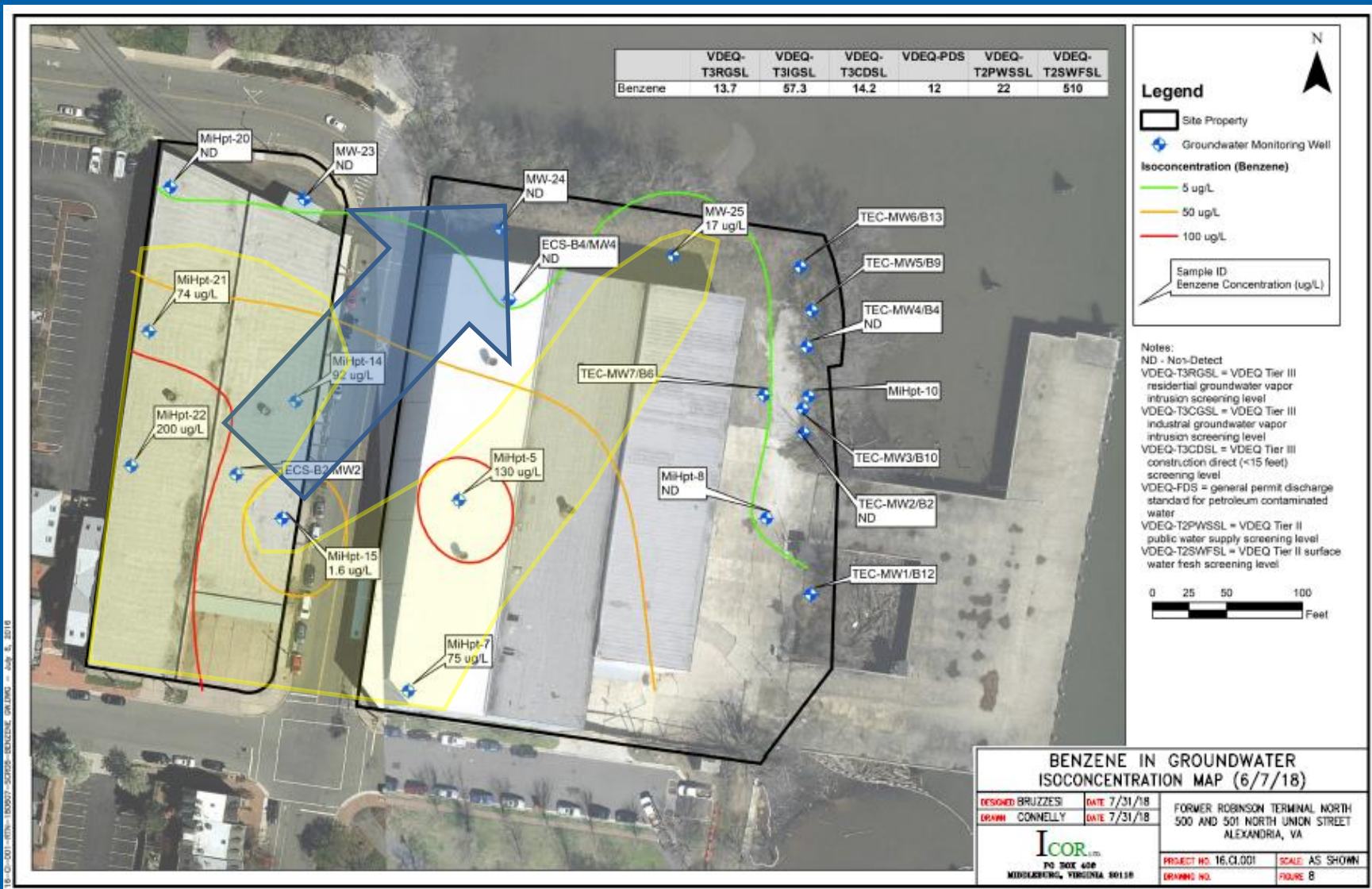
Main soil areas of concern



2018 - DEQ required additional monitoring

- Three additional monitoring wells
- Two monitoring events: January 2018 and June 2018
- Seventeen monitoring wells sampled





16-CI-001-REV-180507-201805-BENZENE_GROUNDWATER - July 8, 2018

Petroleum Corrective Action Plan

- Submitted on January 31, 2019
- Public noticed February 14, 2019
- Required to:
- Control risks of discharges of petroleum contaminants to surface water during and after development
- Abate risks to future use (i.e vapor migration to indoor air in new construction)

CAP

- Proposes general strategies to achieve CAP objectives as redevelopment not finalized
- Will be incorporated into Voluntary Remediation Program plan

CAP activities proposed

- Localised soil removal at most affected areas (Bldg 500)
- Groundwater management during construction: regulated under VPDES as potentially petroleum contaminated
- Engineering controls – clean soil beneath any open landscaped or pavement areas, parking areas beneath buildings.

Corrective Action Plan comments

- Comment period 30 days after CAP public notice (to March 14, 2019)
- Written comments considered
- DEQ will provide written response to comments

Questions?

- Email alexander.wardle@deq.virginia.gov
- Phone 703-583-3822
- Write with comments to:
 - Alex Wardle
 - Northern Regional Office Petroleum Program
 - Department of Environmental Quality
 - 13901 Crown Court Woodbridge VA 22193