

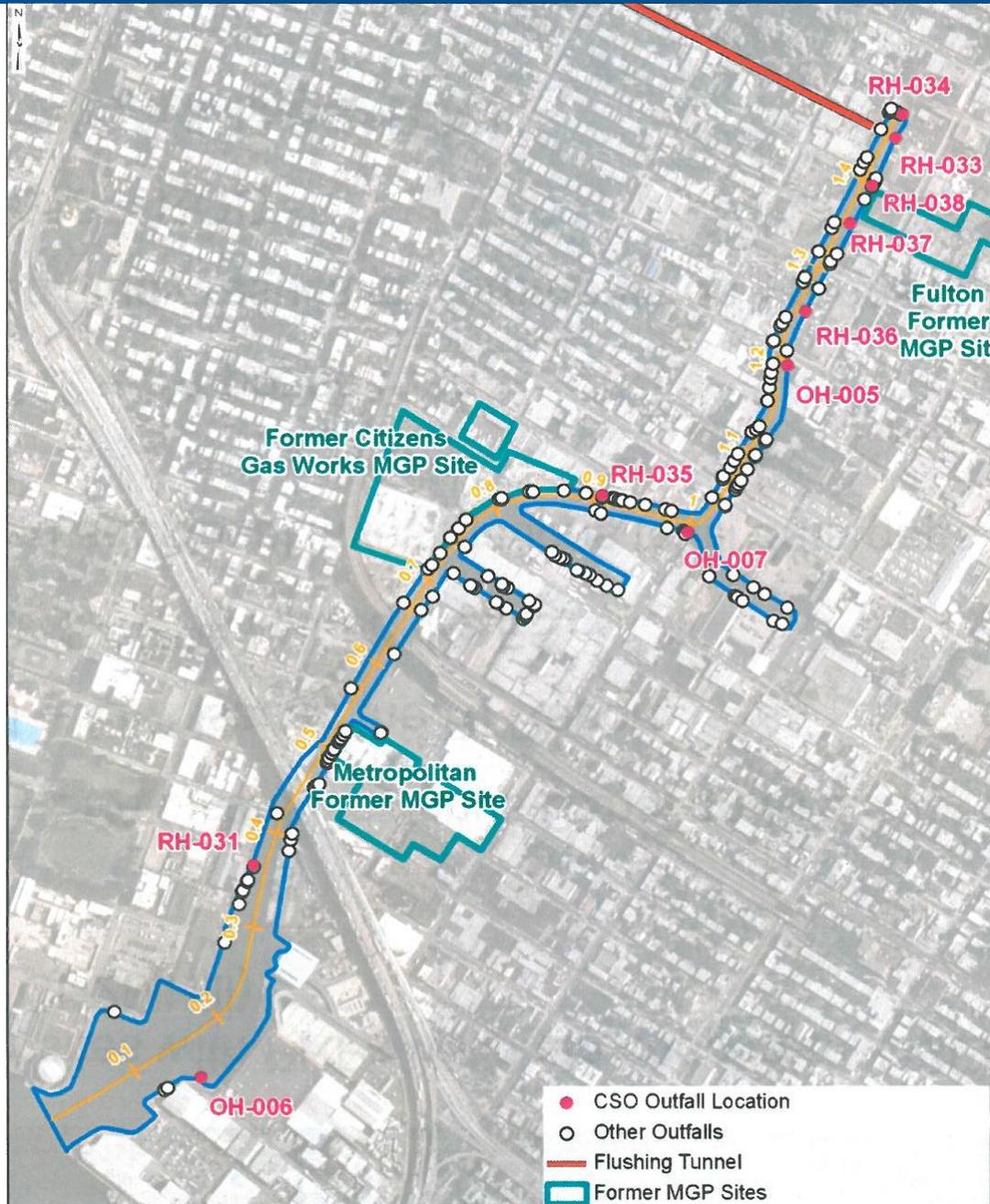


Gowanus Canal Superfund

Commissioner Emily Lloyd

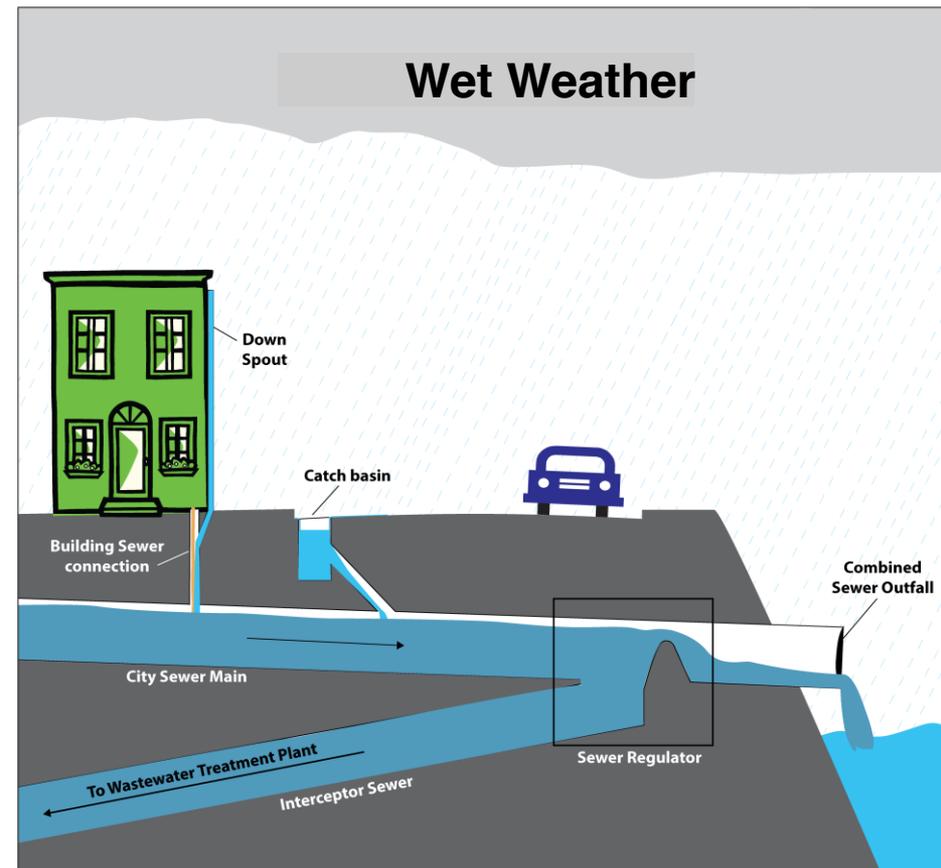
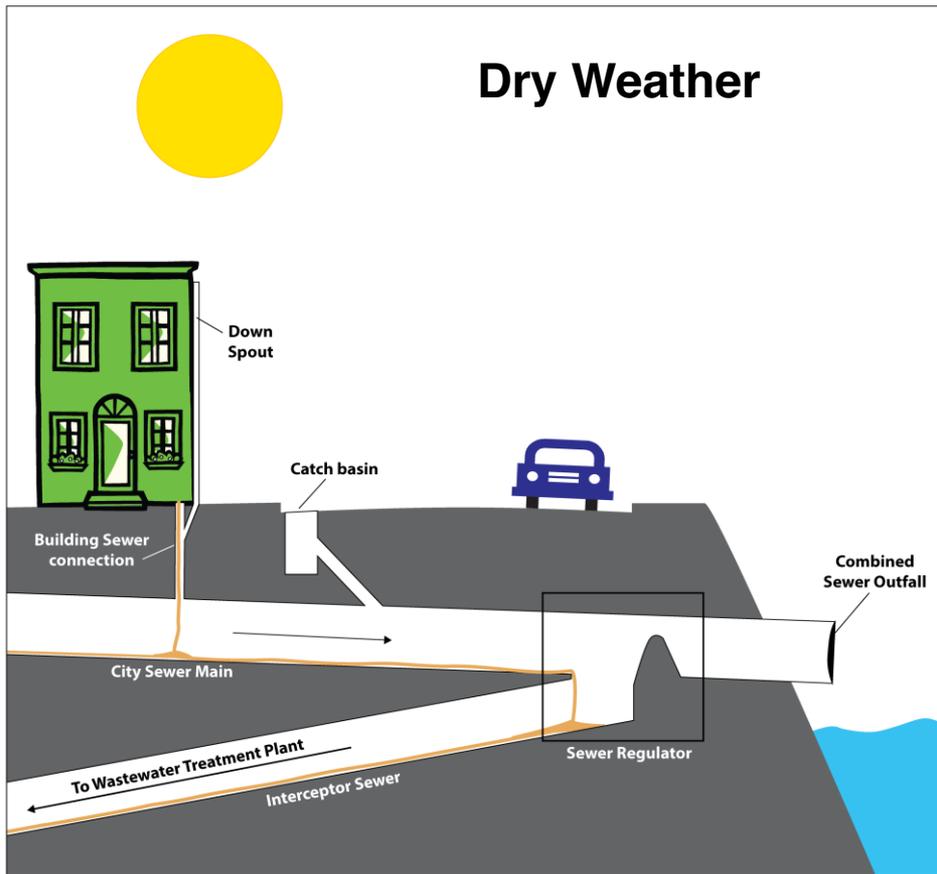
Wednesday, September 17, 2014

Gowanus Canal Site Location



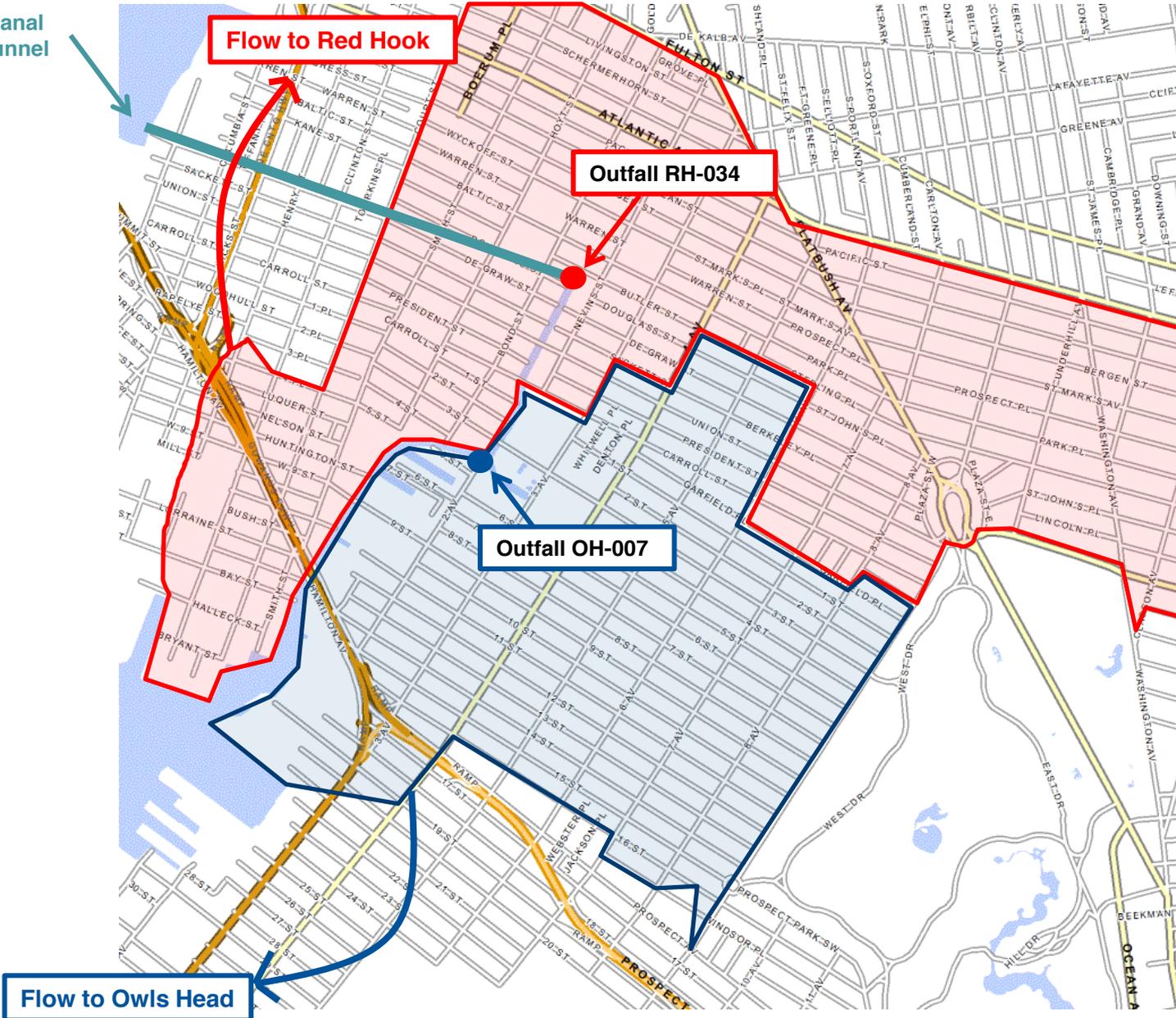
What is a Combined Sewer Overflow?

Approximately 60% of NYC's sewer system is combined, which means it is used to convey both sanitary and storm flows.



Wastewater Infrastructure in Gowanus

Gowanus Canal
Flushing Tunnel

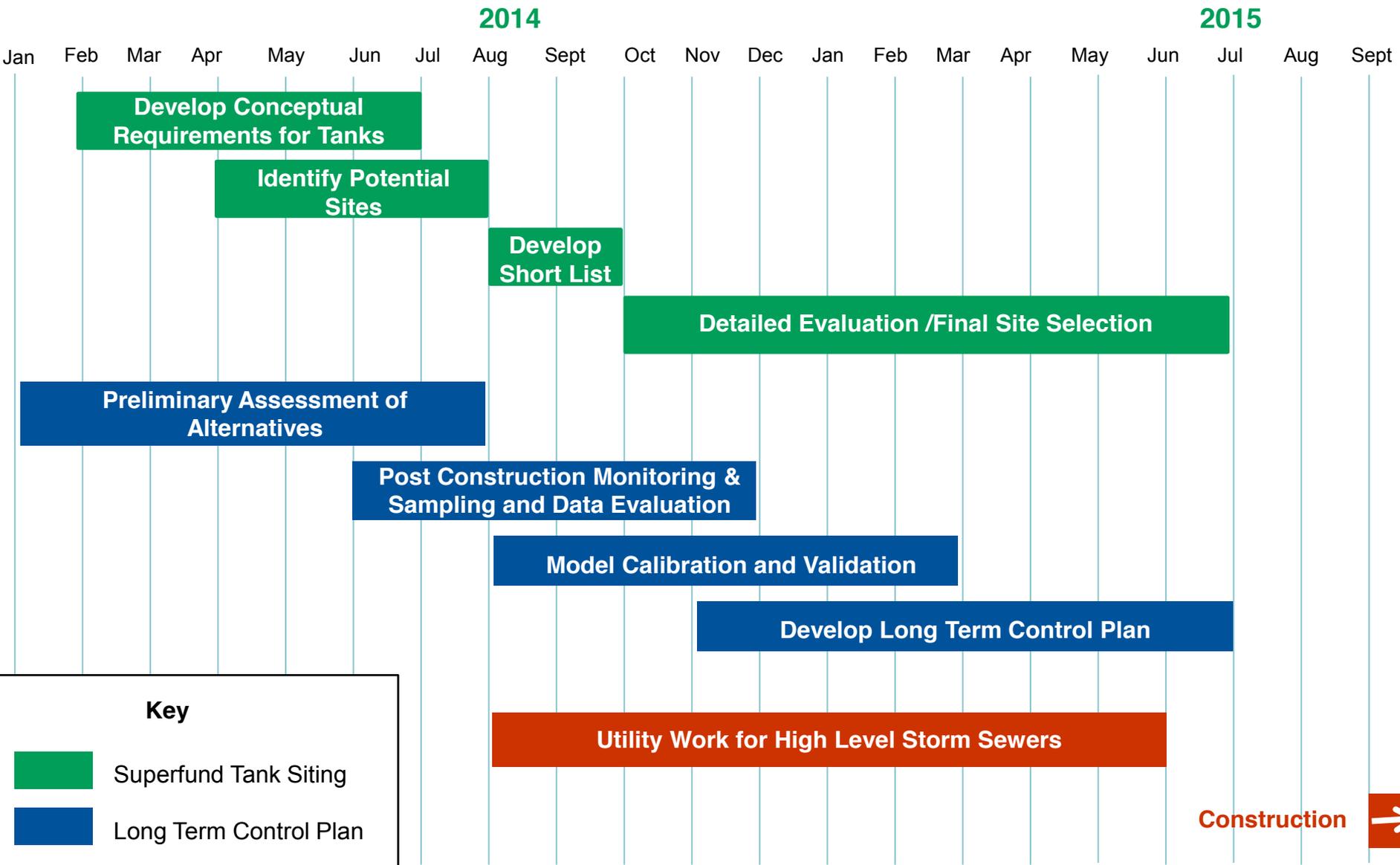


DEP Commitments to date in the Canal

Improvement	Cost	Completion Date
Pump Station Upgrade, Floatable Controls, Flushing Tunnel Upgrade	\$190 million	Fall 2014
High Level Storm Sewers	\$20 million	Phase I – FY17 Phase II – FY20
Green Infrastructure	\$4 million +	Initiate in Fall 2014, work will continue into Fall 2015



Concurrent DEP Initiatives in Gowanus



Key

- Superfund Tank Siting
- Long Term Control Plan
- High Level Storm Sewers

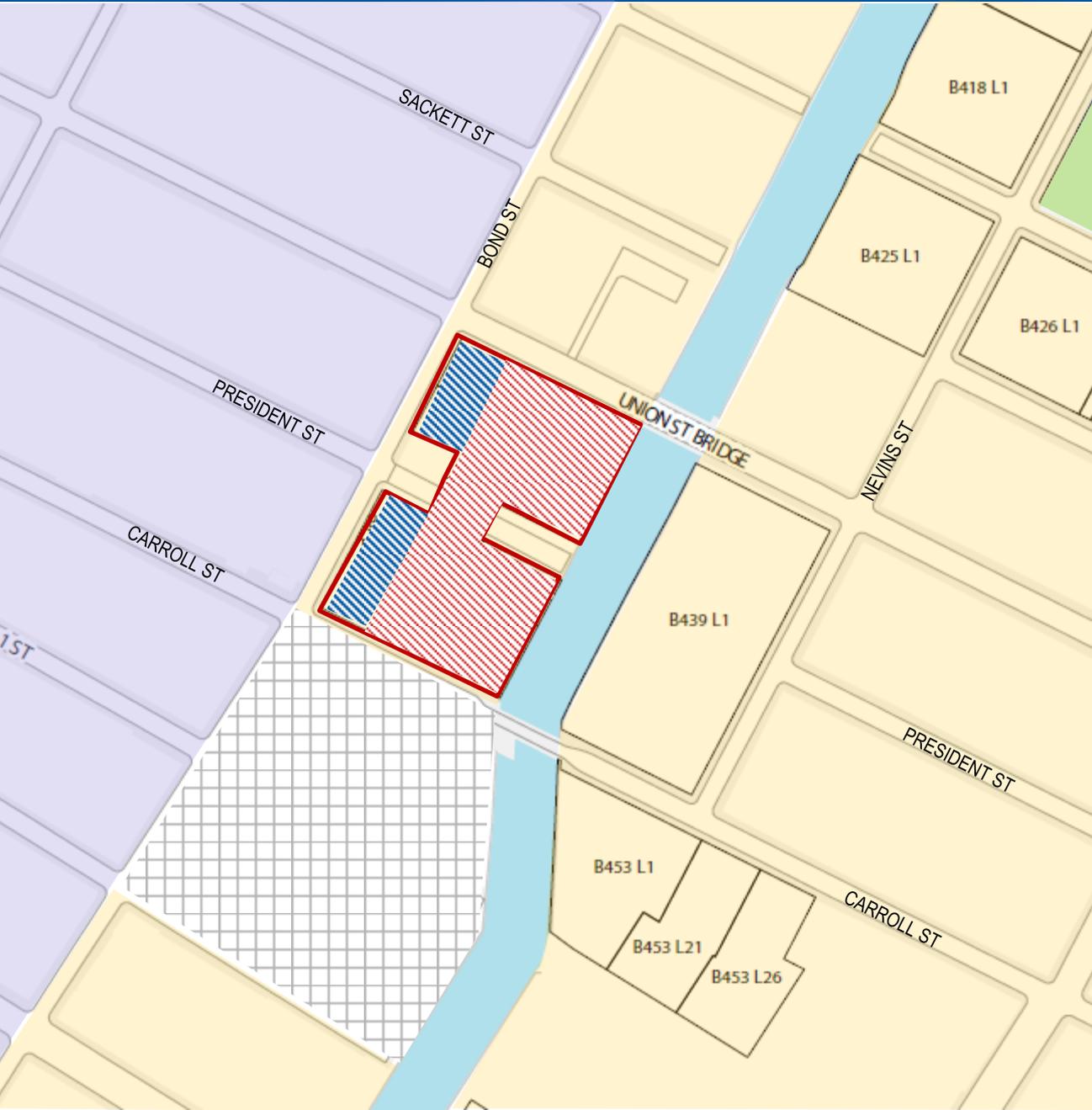
Construction

Tank Siting Study

- Step 1: Developed long list of potential sites (86) based primarily on size (greater than 20,000 square feet) and proximity to sewer infrastructure. Did not include schools, religious institutions, and most residential.
- Step 2: Eliminated sites that were too small for tanks or too far away from the canal
List narrowed to 14 sites

Potential Sites: RH-034

Site 1: RH-034

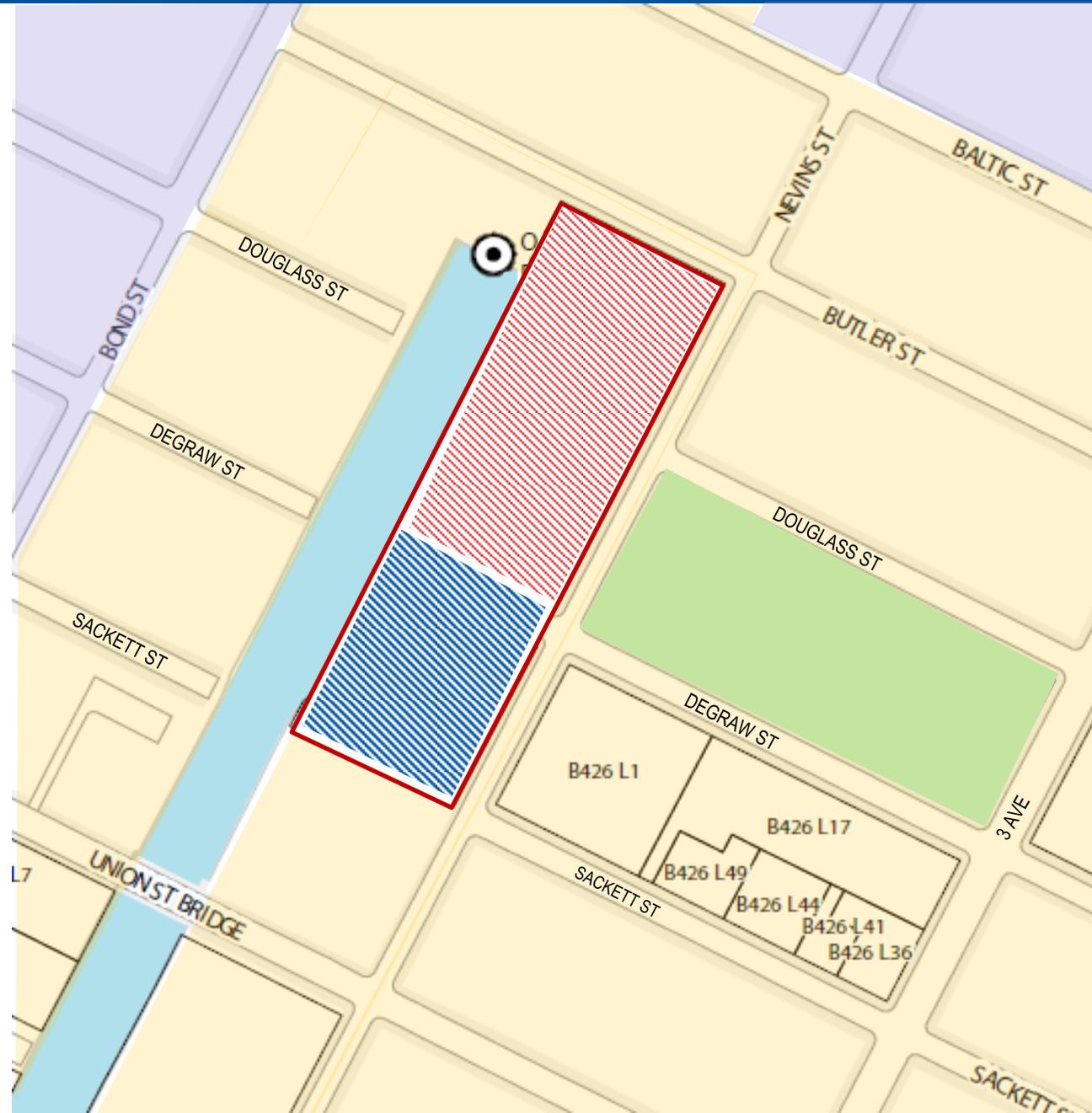


-  Tanks
-  Staging Area
-  Park
-  Zoned Residential
-  Zoned Manufacturing
-  Zoned Mixed Use

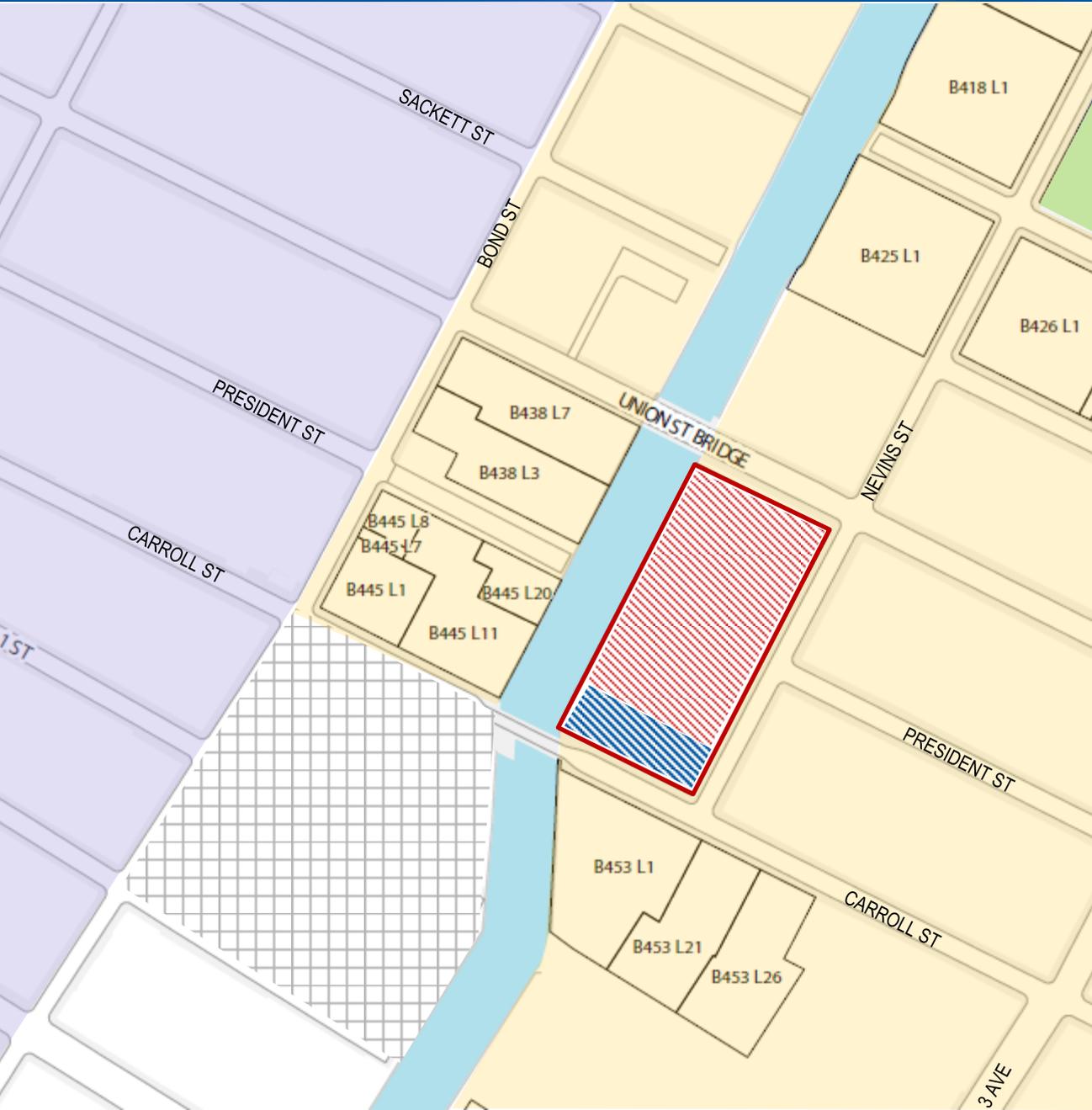


Site 2: RH-034

-  Tanks
-  Staging Area
-  Park
-  Zoned Residential
-  Zoned Manufacturing



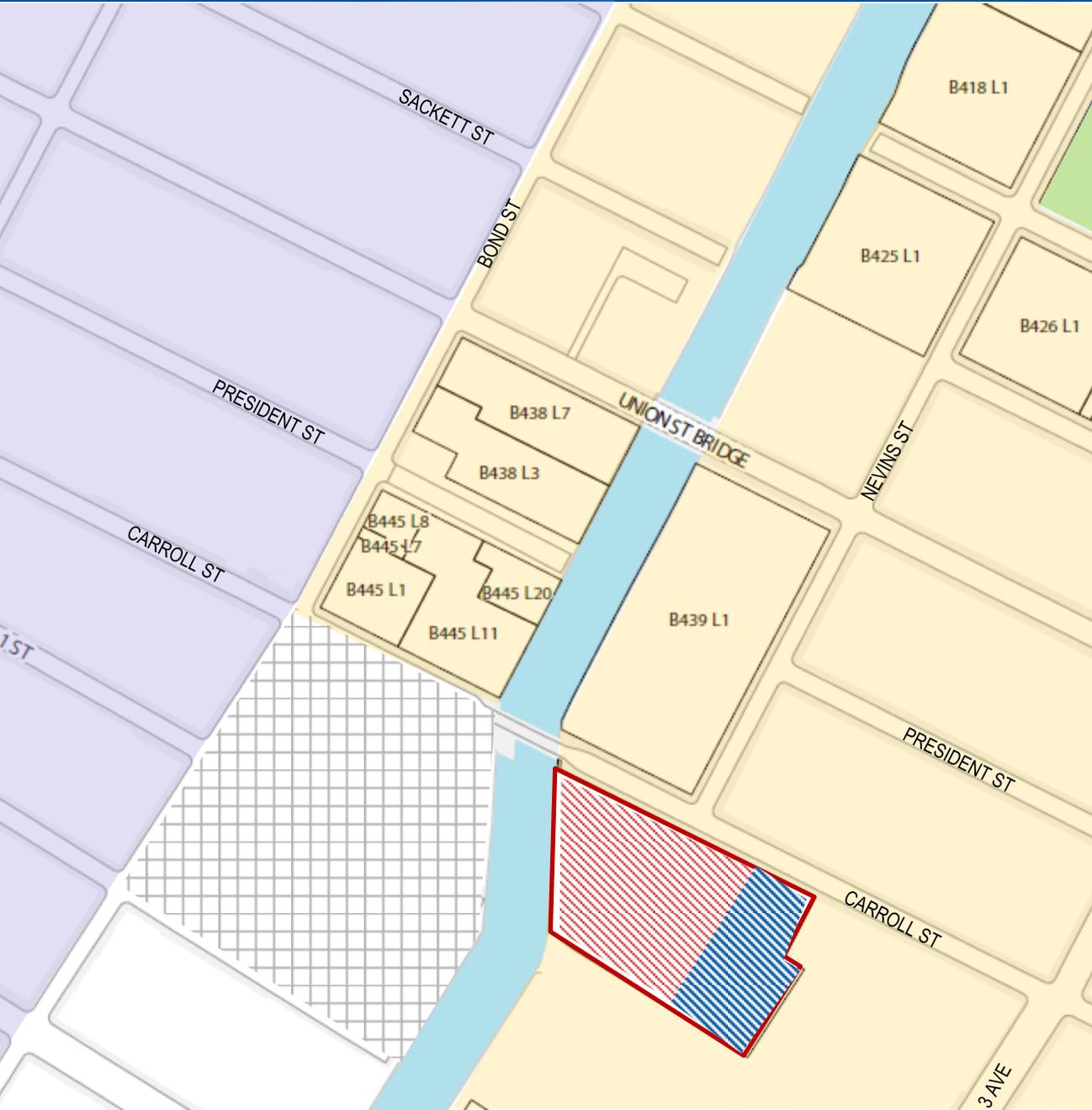
Site 3: RH-034



-  Tanks
-  Staging Area
-  Park
-  Zoned Residential
-  Zoned Manufacturing
-  Zoned Mixed Use



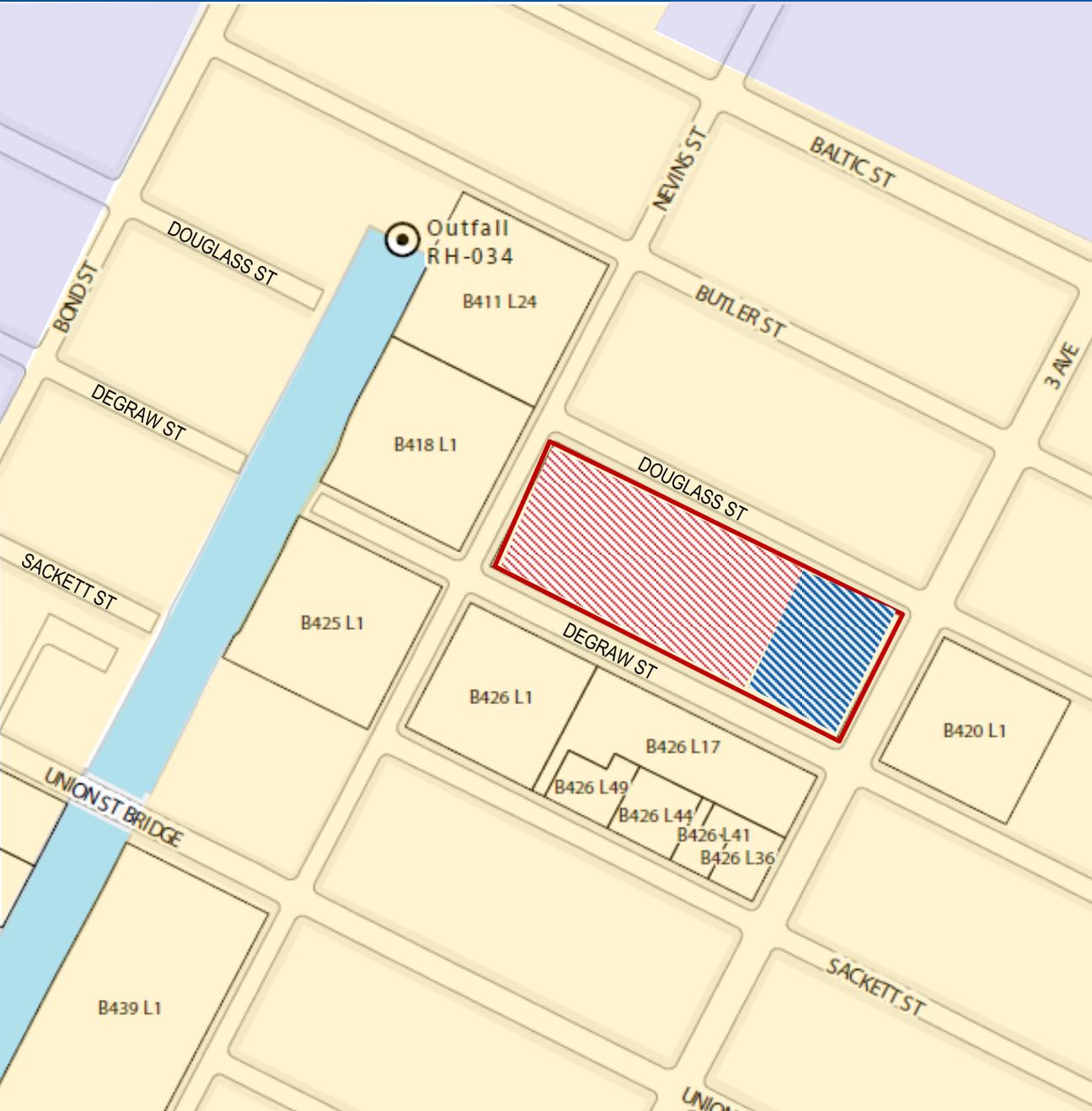
Site 4: RH-034



-  Tanks
-  Staging Area
-  Park
-  Zoned Residential
-  Zoned Manufacturing
-  Zoned Mixed Use



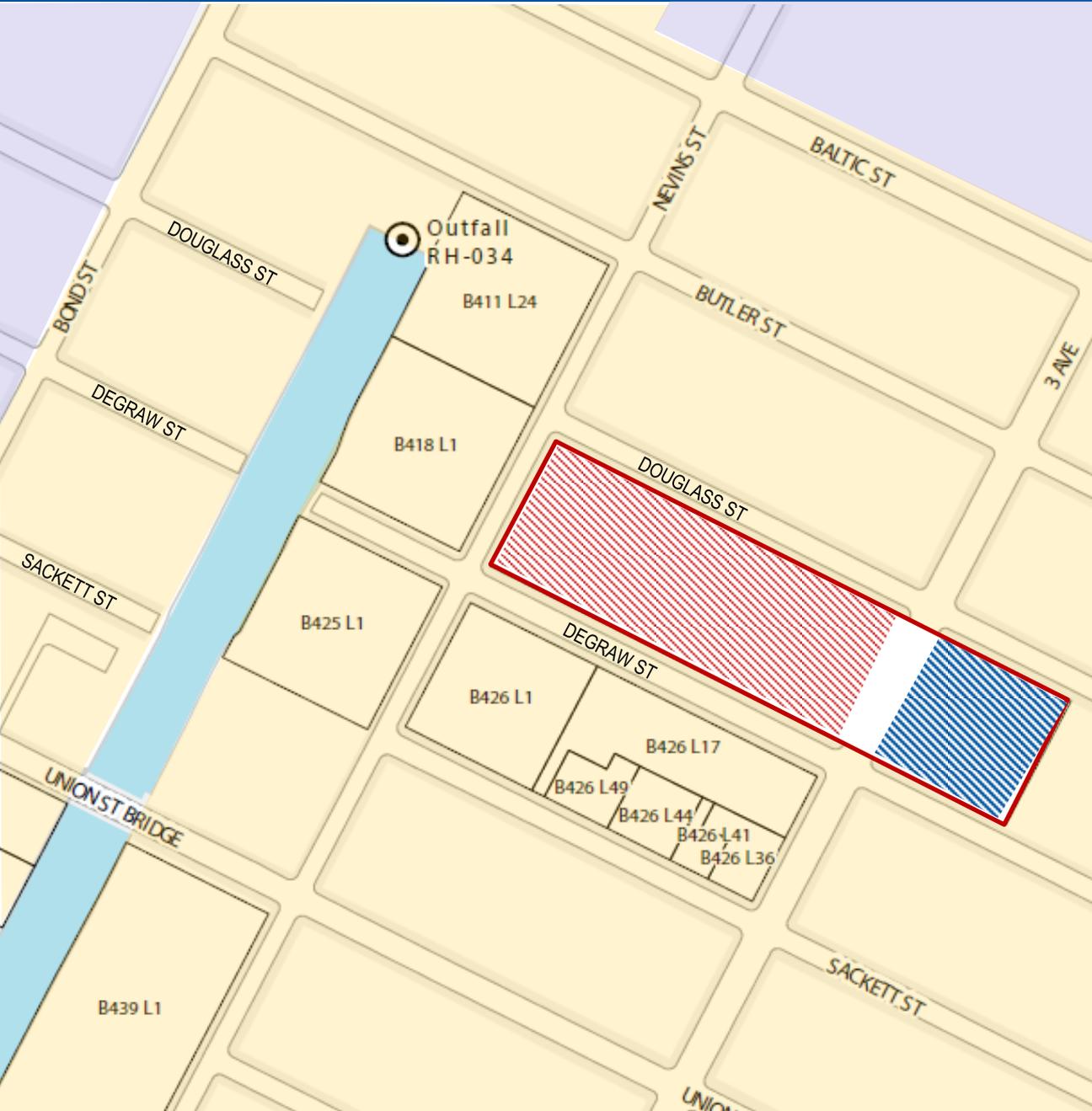
Site 5: RH-034



-  Tanks
-  Staging Area
-  Park
-  Zoned Residential
-  Zoned Manufacturing



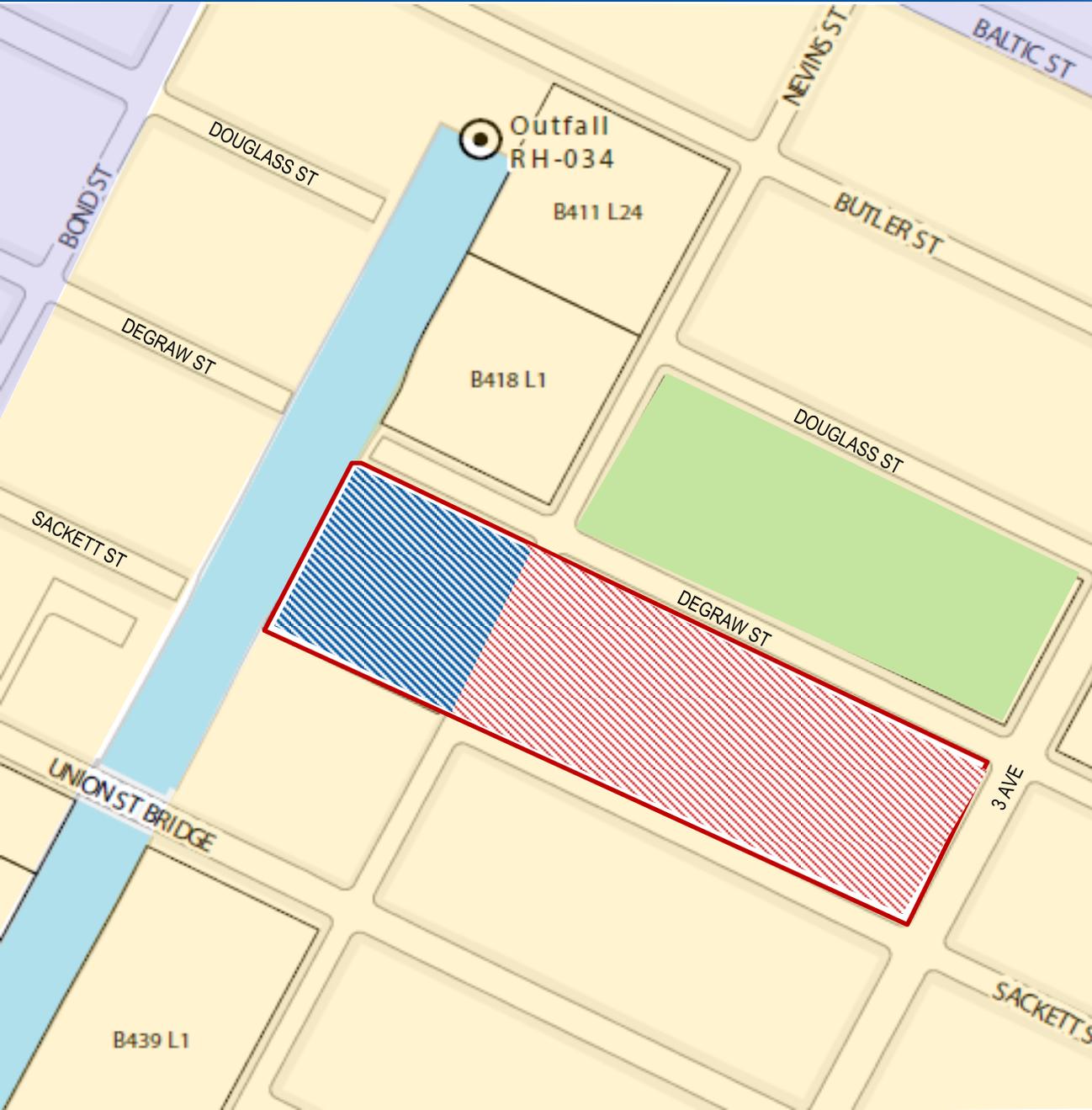
Site 6: RH-034



-  Tanks
-  Staging Area
-  Park
-  Zoned Residential
-  Zoned Manufacturing



Site 7: RH-034



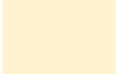
-  Tanks
-  Staging Area
-  Park
-  Zoned Residential
-  Zoned Manufacturing



Potential Sites: OH-007

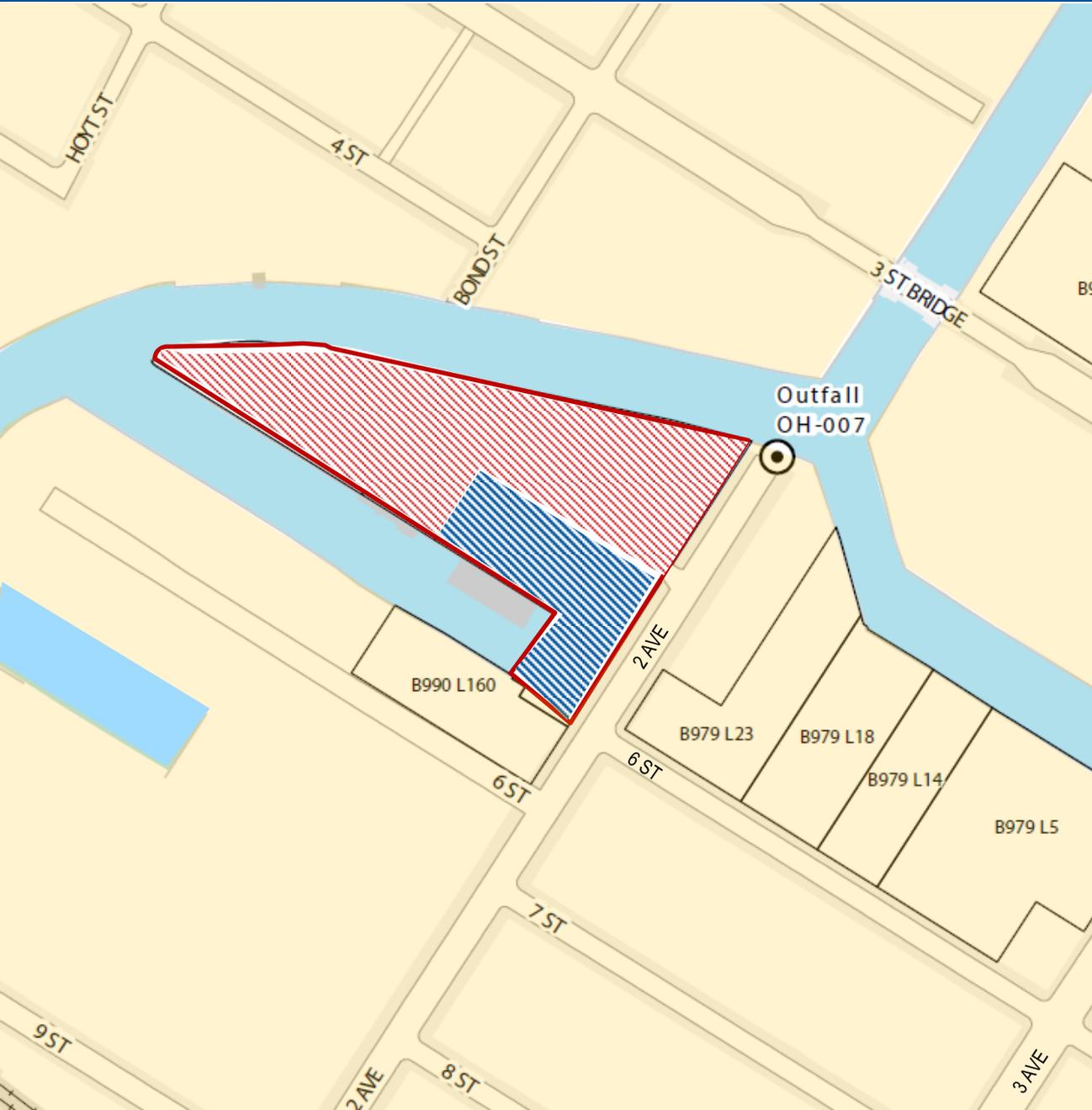
Site 1: OH-007



-  Tanks
-  Staging Area
-  Zoned Manufacturing



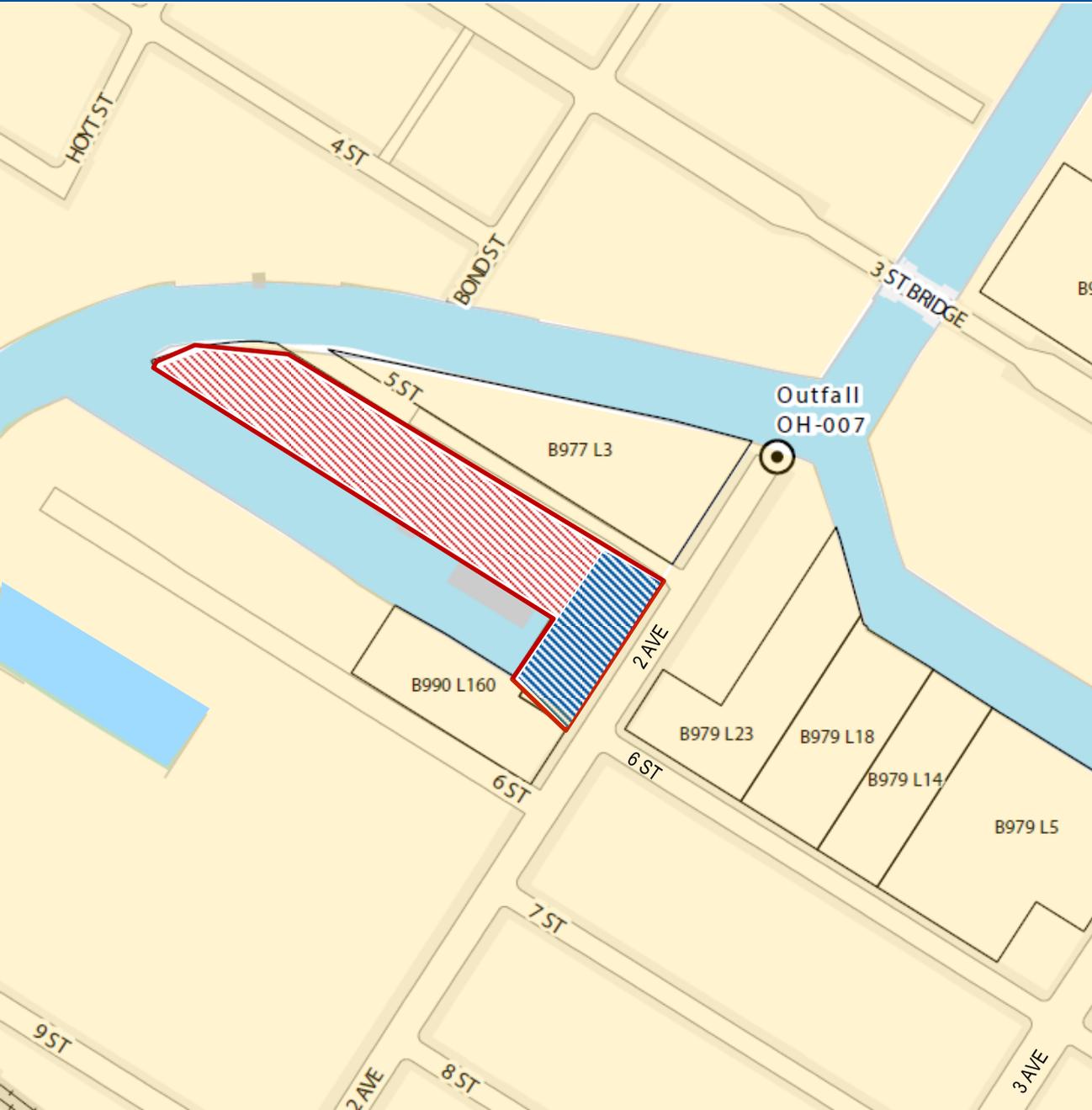
Site 2: OH-007



-  Tanks
-  Staging Area
-  Zoned Manufacturing



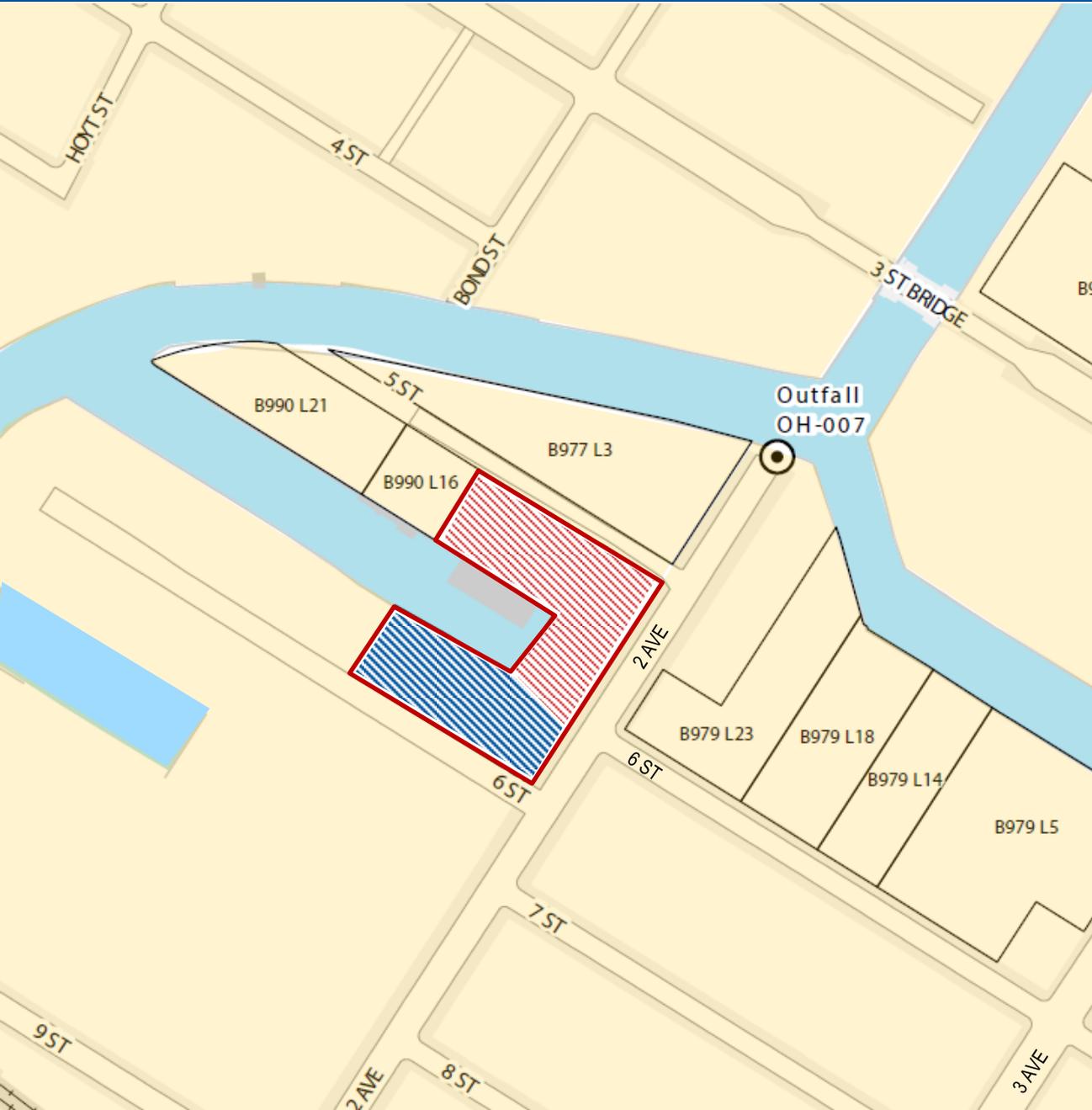
Site 3: OH-007



-  Tanks
-  Staging Area
-  Zoned Manufacturing



Site 4: OH-007



Tanks



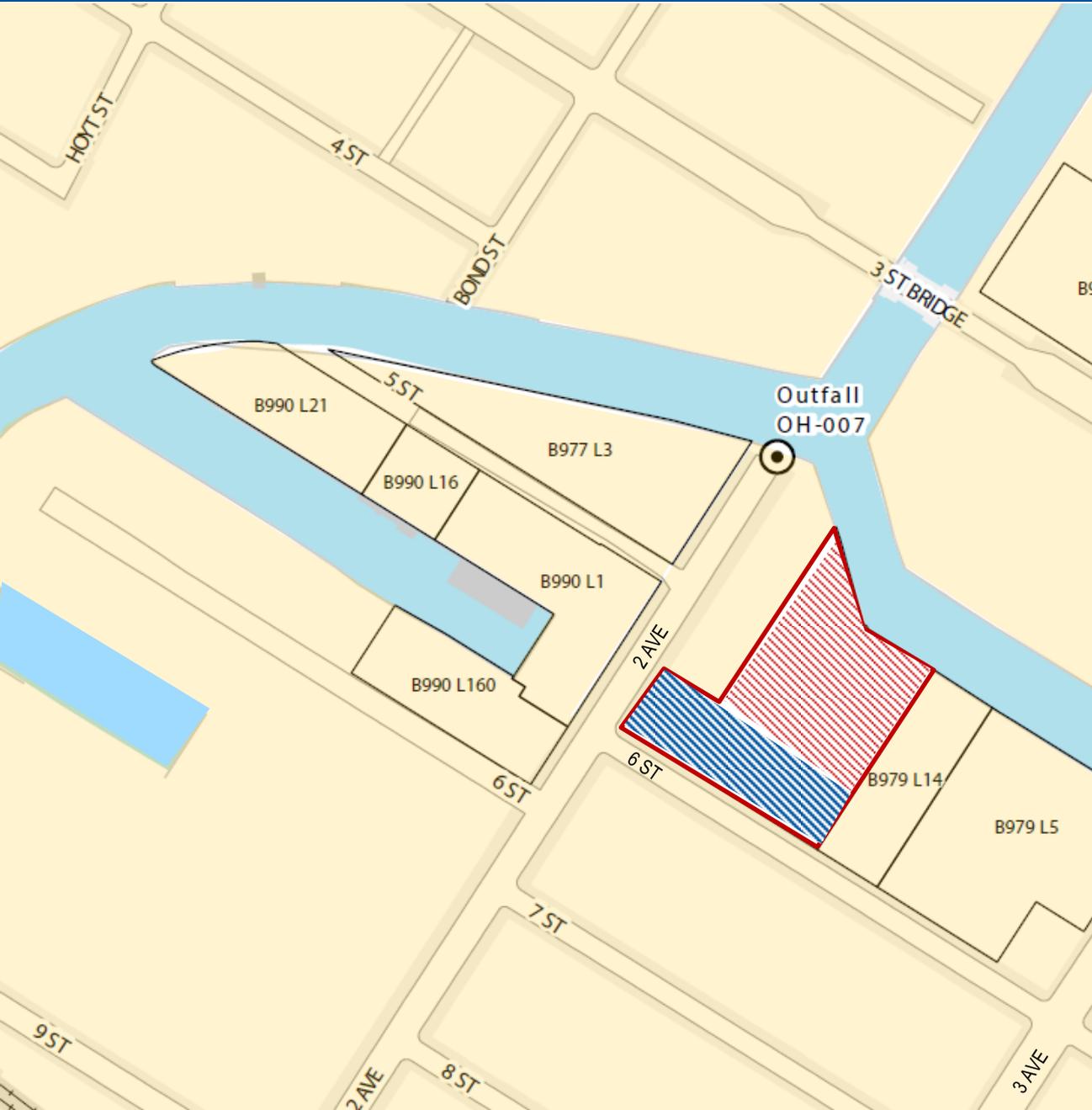
Staging Area



Zoned Manufacturing



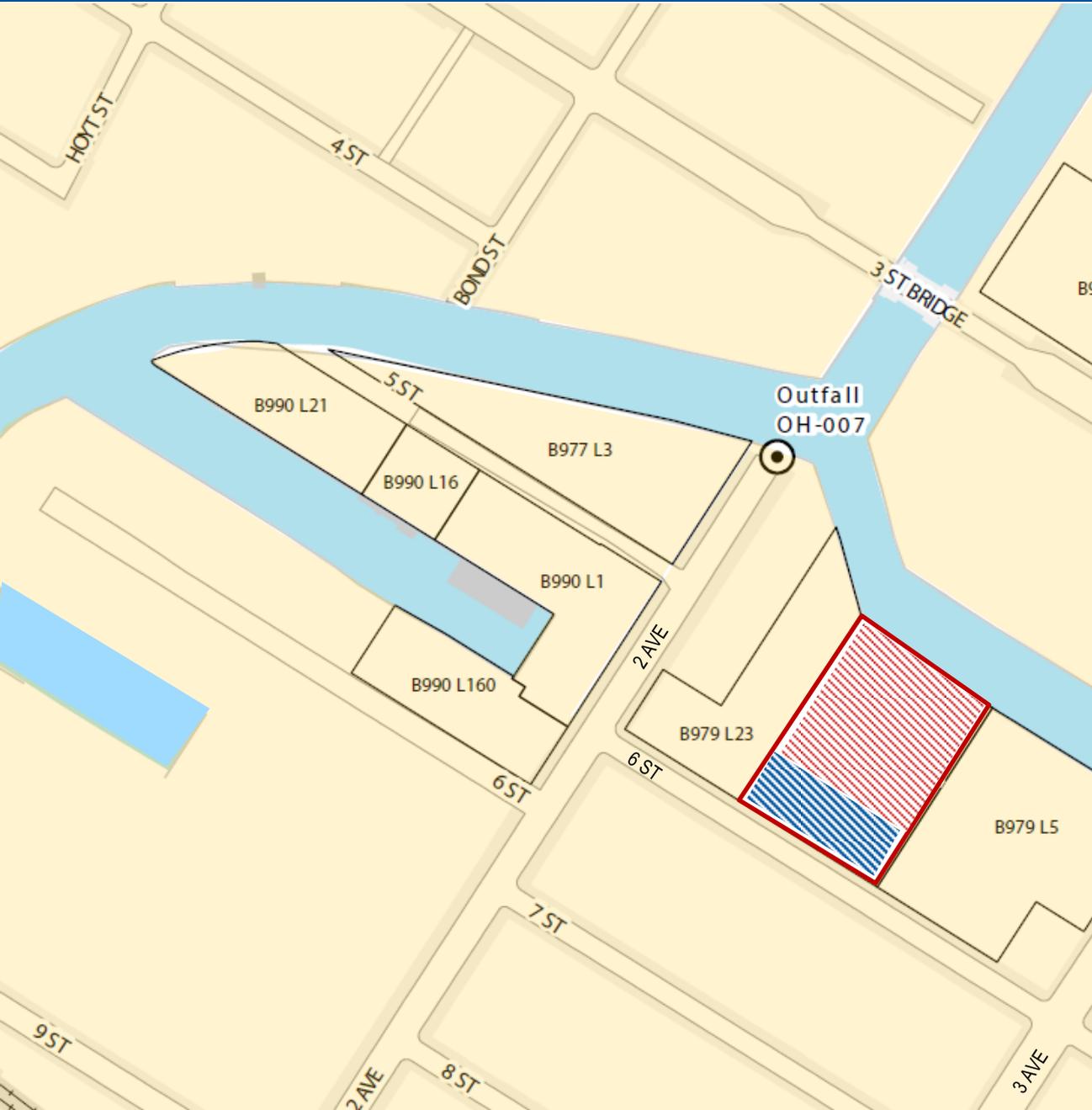
Site 5: OH-007



-  Tanks
-  Staging Area
-  Zoned Manufacturing



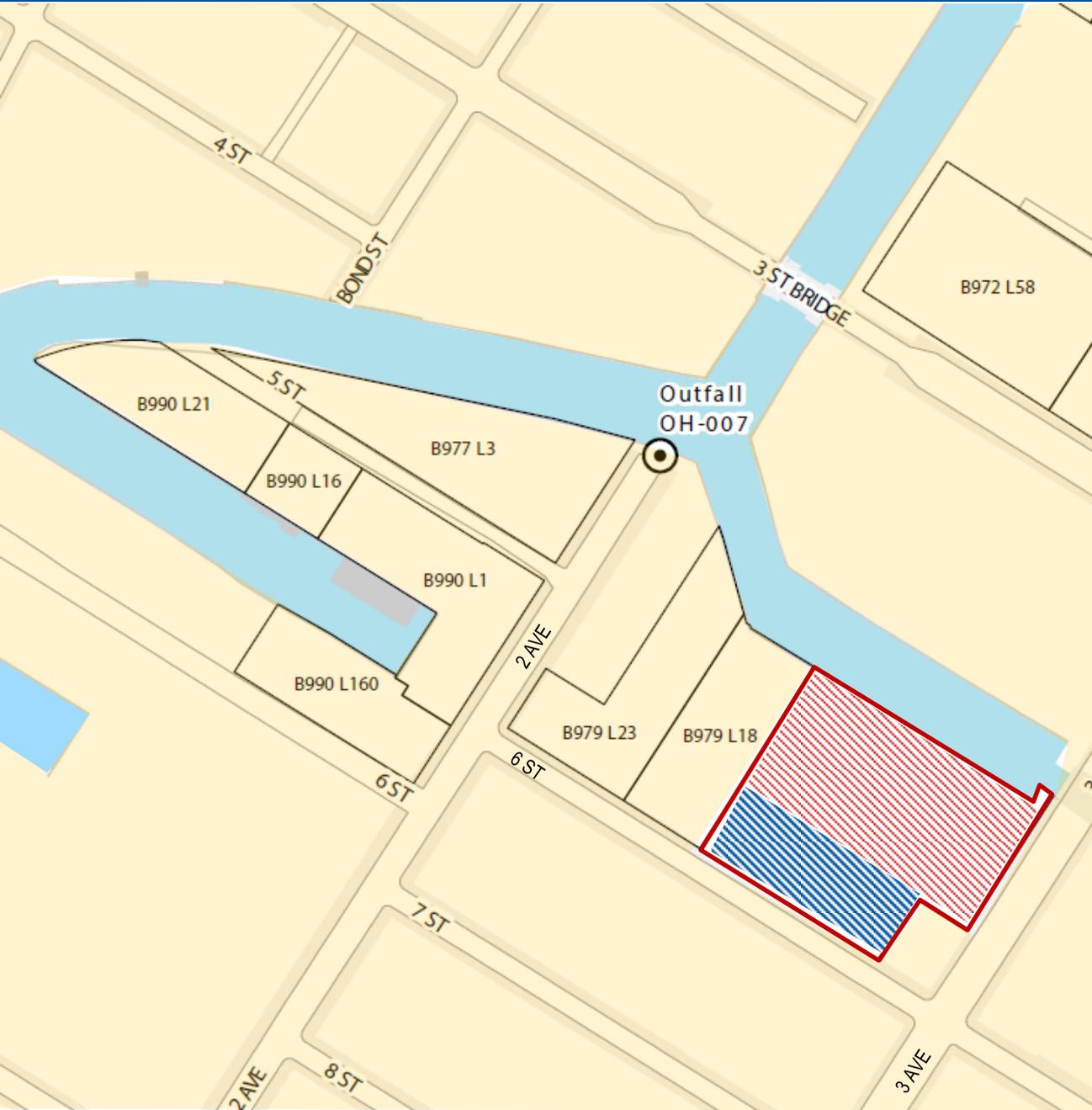
Site 6: OH-007



-  Tanks
-  Staging Area
-  Zoned Manufacturing



Site 7: OH-007



-  Tanks
-  Staging Area
-  Park
-  Zoned Residential
-  Zoned Manufacturing



- Step 3: Evaluating sites for desired characteristics
 - Engineering Criteria:
 - Size of site
 - Proximity to existing infrastructure
 - Utility relocation

 - Land Use and Environmental Criteria:
 - Surrounding land uses
 - Historic and cultural resources
 - Known contamination/hazardous materials
 - Community disruption

- DEP to submit report to EPA on September 30 with two recommended site locations for each tank
- Final site recommendations due to EPA on June 30, 2015. Between now and then, DEP will evaluate each potential site, on:
 - Extent to which site will require utility relocation, contamination remediation, etc.
 - Engineering complexity of constructing the proposed tanks within the site boundaries and conveying wastewater flow into and out of the proposed tanks
 - Impacts to the community
 - Costs
- DEP will update the community in the Spring of 2015

- LTCP Kickoff meeting in October
- High Level Storm Sewer meeting in October
- Tonight's presentation will be posted on our website:
http://www.nyc.gov/html/dep/html/harborwater/gowanus_canal.shtml