

Quarterly Public Meeting #3

Gowanus Oversight Task Force

Thursday, September 28, 2023
6:00 pm - 8:00 pm

P.S. 133 | William A. Butler School
610 Baltic St, Brooklyn, NY

Source: Noah Sheidlower



WELCOME!

- This meeting will be recorded and posted on the Task Force website (gowanustaskforce.net)
- Pick up meeting materials
- Restrooms located at the rear of the room, to the right of the school's front desk

¡BIENVENIDOS!

- Esta reunión será grabada y se publicará en el sitio web del Task Force (gowanustaskforce.net)
- Recoja los materiales de la reunión cuando ingrese
- Baños situados en la parte trasera de la sala, a la derecha de la recepción de la escuela.

Meeting Structure

Increase opportunities for **Public Engagement**
Focus on **timely topics of interest** to the Gowanus community

(1) Waterfront Access & Amenities



NYC Department of
City Planning
(DCP)

NYC Department of
Parks and Recreation
(DPR)

Task Force
Waterfront Access &
Open Space
Committee

Task Force
Public Infrastructure
Committee

(2) Flooding & Sewer Systems



NYC Department of
Environmental Protection
(DEP)

Task Force
Sustainability & Resiliency
Committee

AGENDA

1. Welcome and Agenda (5 min)

2. Waterfront Access and Amenities (45 min)

Presenting agencies: NYC Departments of City Planning (DCP), Parks and Recreation (DPR)

- GOTF Committees Opening Statement
- Agency Presentation: DCP, DPR (initial)
- **Discussion and Public Q+A (10 min)**
- Agency Presentation: DCP, DPR (cont.)
- **Discussion and Public Q+A (15 min)**

3. Flooding and Sewer Systems (45 min)

Presenting agency: NYC Department of Environmental Protection (DEP)

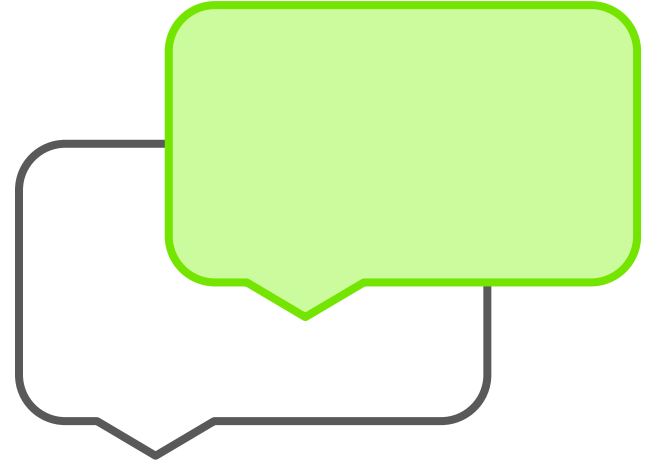
- GOTF Committees Opening Statement
- Agency Presentation: DEP (initial)
- **Discussion and Public Q+A (10 Minutes)**
- Agency Presentation: DEP (cont.)
- **Discussion and Public Q+A (15 Minutes)**

4. Closing and Next Steps (10 min)

COMMENTS + QUESTIONS

Please include on your note card:

- Your Name
- Affiliation
- Agency(ies) of interest
- City Commitment / Focus
Area of interest



Website: gowanustaskforce.net

Questions can be sent to: info@gowanustaskforce.net

TASK FORCE MEMBERS



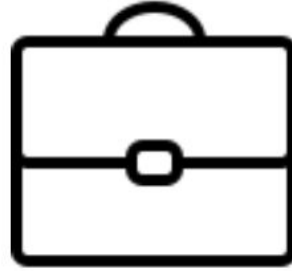
14

**Community
Residents**



10

**Community
Organizations**



6

**Local
Workers**



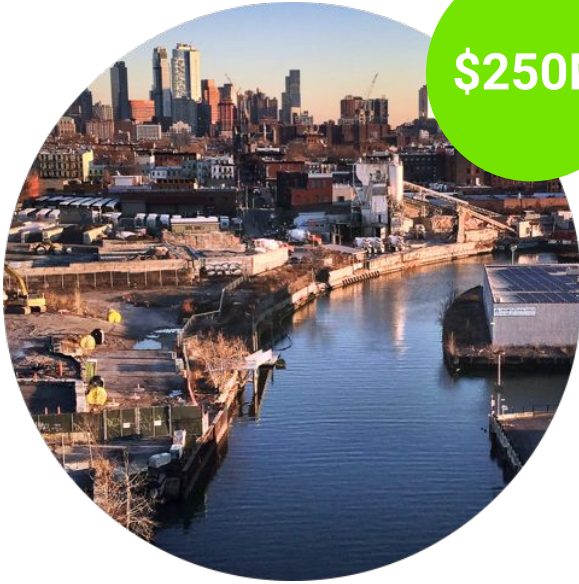
30

**Subject Area
Experts**

A LONG ROAD



Source: Gowanus Neighborhood Coalition for Justice



\$250M

Public Investments

Housing, public space, community amenities, workforce and business support



\$200M

Priority Capital Needs for NYCHA

Gowanus Houses and Wyckoff Gardens

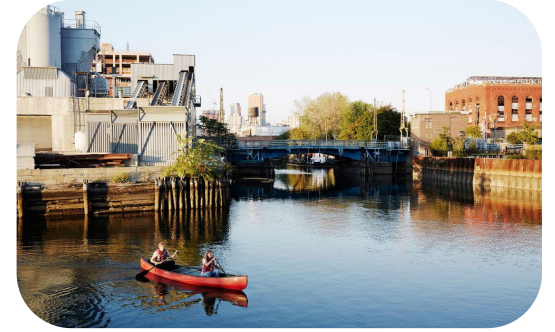
IMPACT OF COMMITMENTS



Accountability + Engagement



Housing



Open Space + Waterfront Access



Economic + Workforce Development



Sustainability + Resiliency



Public Infrastructure

City Commitment Tracker

- Comprehensive updates on all 56 Commitments uploaded to task force website prior to quarterly public updates
 - **Gowanustaskforce.net:**

Gowanus Oversight Task Force

Home [Commitments](#) Meetings About

GOWANUS OVERSIGHT TASK FORCE
City Commitment Tracker

City Rezoning Tracker	Committee	GOTF Item #	Item Description	Prime Agency	
					AGENCY UPDATE: Q1
15	Membership and Communications	1.1	<p>Support the Council, Community Board 6, and other stakeholders to form a Community Oversight Task Force.</p> <p>In the first quarter of 2022, City Hall and DCP will support the Council, Community Board 6 (CB 6), and other stakeholders including NYCHA residents and Tenant Association leadership to develop a detailed plan for a Community Oversight Task Force dedicated to commitments related to the Gowanus Neighborhood Plan. The framework of this plan will include:</p> <ul style="list-style-type: none"> • Quarterly meetings will be open to the public with relevant updates on implementation of major plan components and POA commitments, including capital project progress updates by the relevant agency. 	DCP	DCP has been engaged during the facilitator selection as well as the formation of the community oversight team driven primarily by City Council Members Hanif and R DCP's Director, Dan Garodnick, joined elected officials announcement for the final selection of the facilitator task force process. DCP will continue being involved as needed, while ensuring that the task force is driver facilitator and other key stakeholders.

Waterfront Access & Amenities

NYC Department of
City Planning
(DCP)

NYC Department of
Parks and Recreation
(DPR)

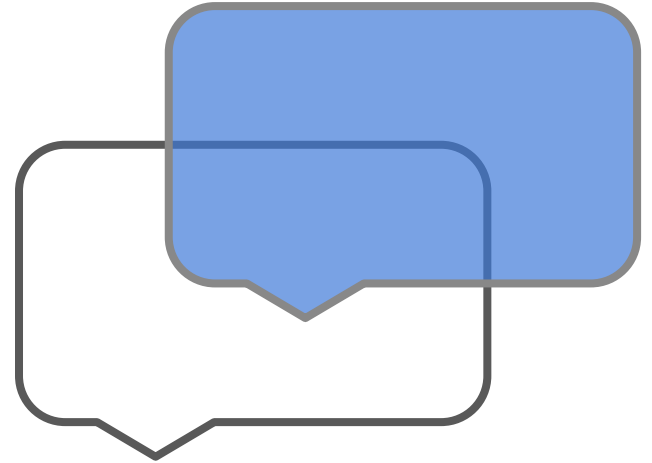
Task Force
Waterfront Access &
Open Space
Committee

Task Force
Public Infrastructure
Committee

Waterfront Access + Amenities QUESTIONS

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Waterfront Access and Amenities

Gowanus Oversight Task Force
Quarterly Public Meeting | September 2023

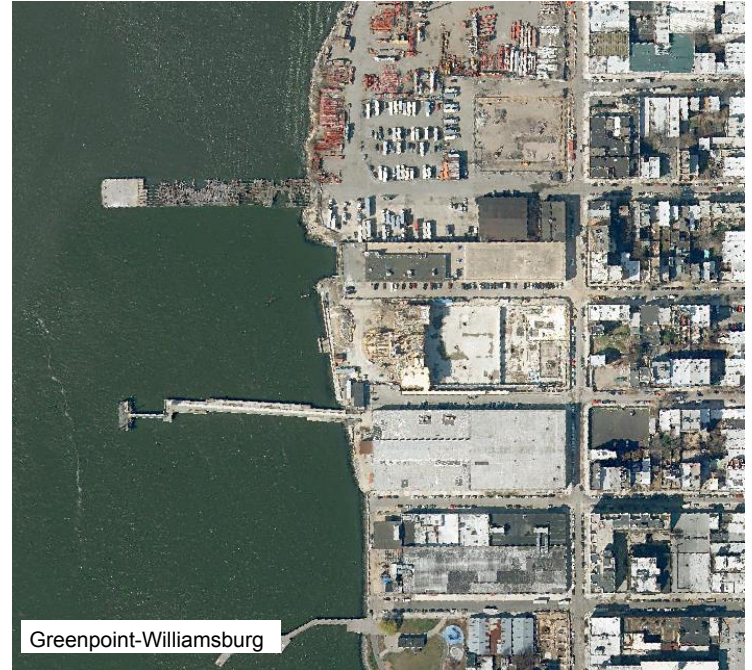
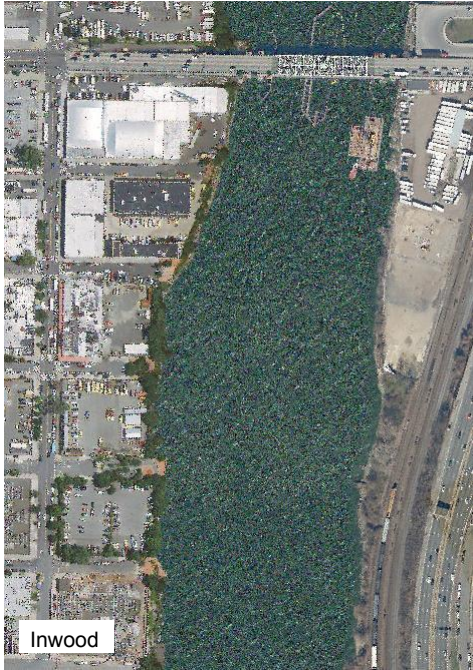
NYC
PLANNING



NYC Parks

Waterfront Access Plans

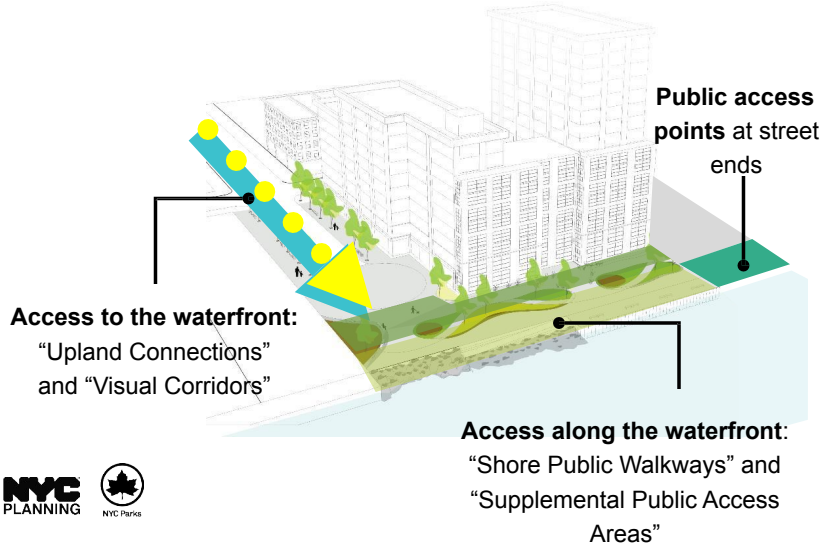
A Waterfront Access Plan (WAP) is a detailed framework set forth in the Zoning Resolution, that tailors waterfront regulations and public access requirements to the specific conditions of a particular waterfront. **WAP regulations attempt to be predictive, yet flexible.**



The Gowanus Waterfront Access Plan

The Gowanus WAP builds upon citywide waterfront access rules and **adapts zoning regulations to better suit the unique characteristics** of the Gowanus Canal.

The WAP requires public access on all private waterfront properties located within the rezoning area. These public spaces are formally referred to as **Waterfront Public Access Areas (WPAA)**.



The WAP includes both requirements and incentives

Requirements



Planting



Signage



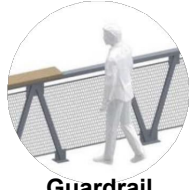
Grading



Screening



Seating



Guardrail design



Lawns (Large sites)



Circulation



Lighting

Incentives



Picnic tables



Intertidal areas



Public art



Restrooms



Tot-lots



Water features



Interpretation



Active recreation

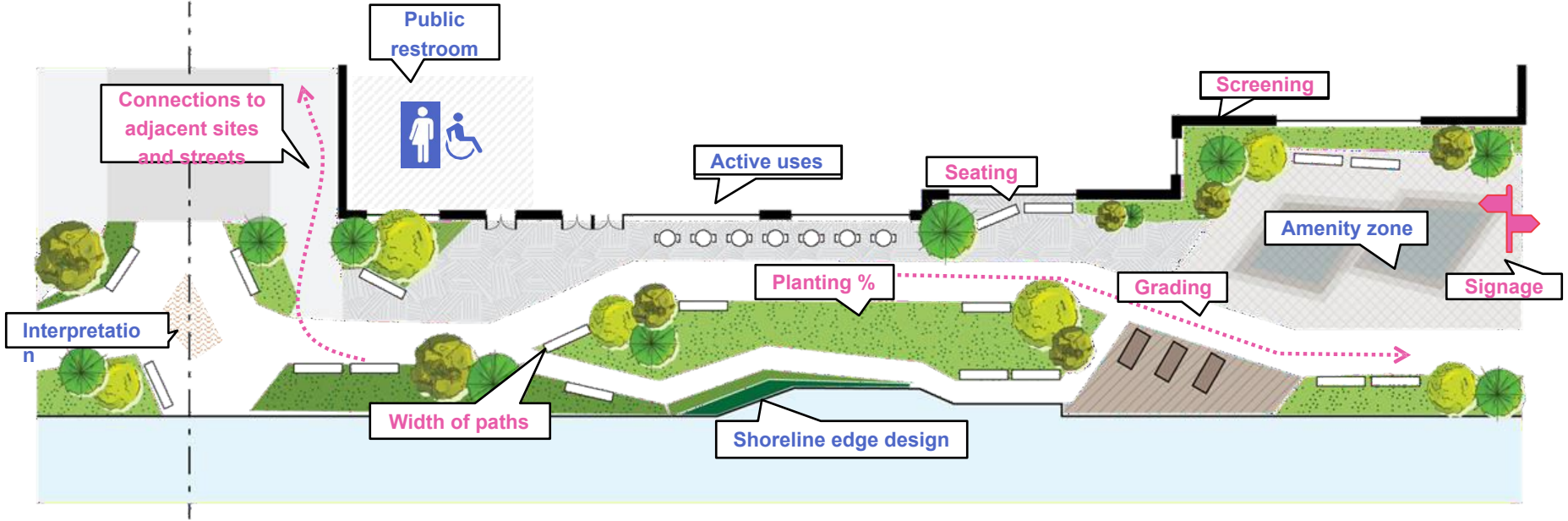


Water access



Dog runs

How requirements and incentives interact

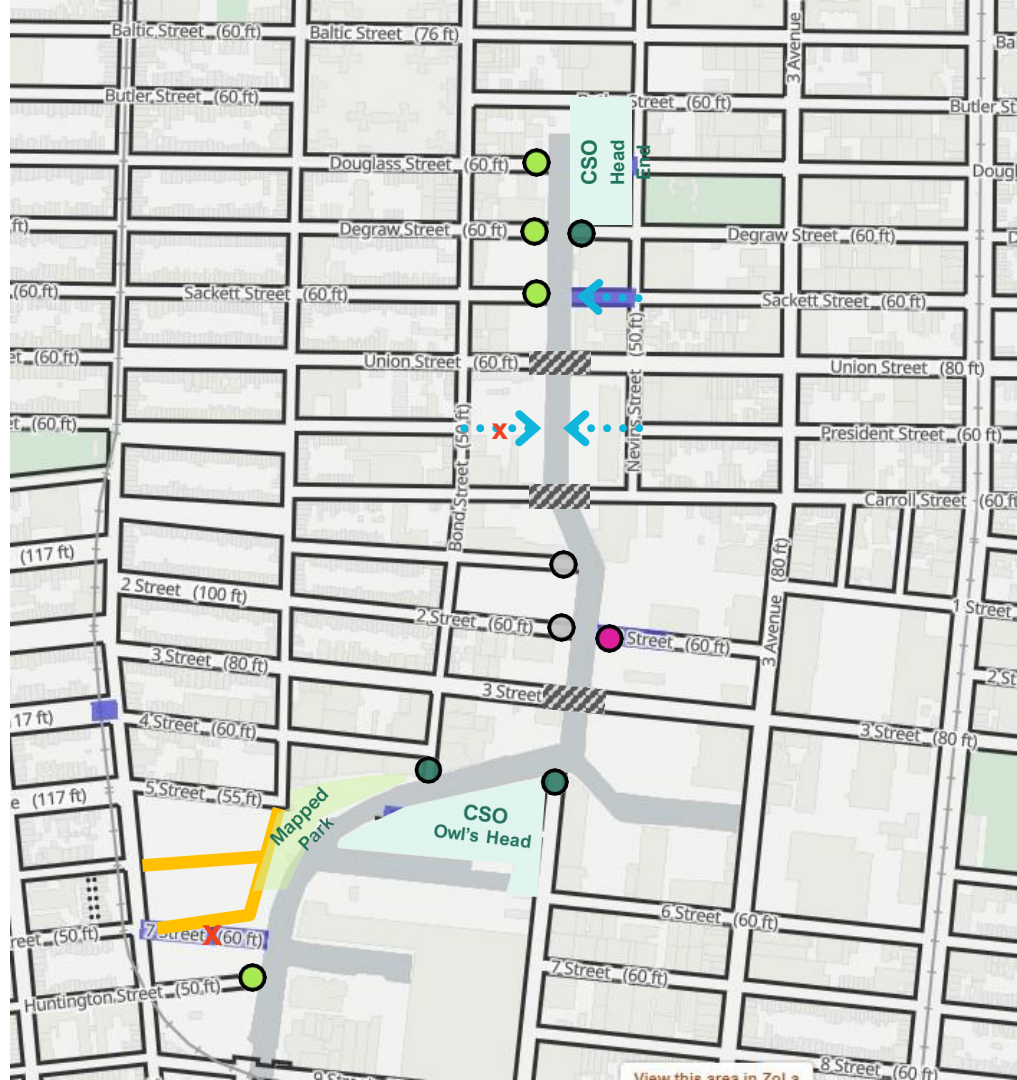


Interagency review: In Gowanus, Applicants typically coordinate with DCP, Parks, DOT, DEP, FDNY as well as EPA, DEC, and DOB as needed.

Street ends | “Public access points”

Status

- Public access points within/near the Gowanus WAP geography (10)
- Existing street ends - predate the WAP (2)
- Proposed designs have been **approved** (4)
- No application under review / partially constructed (1)
- Planned City projects (3)



Waterfront Certifications

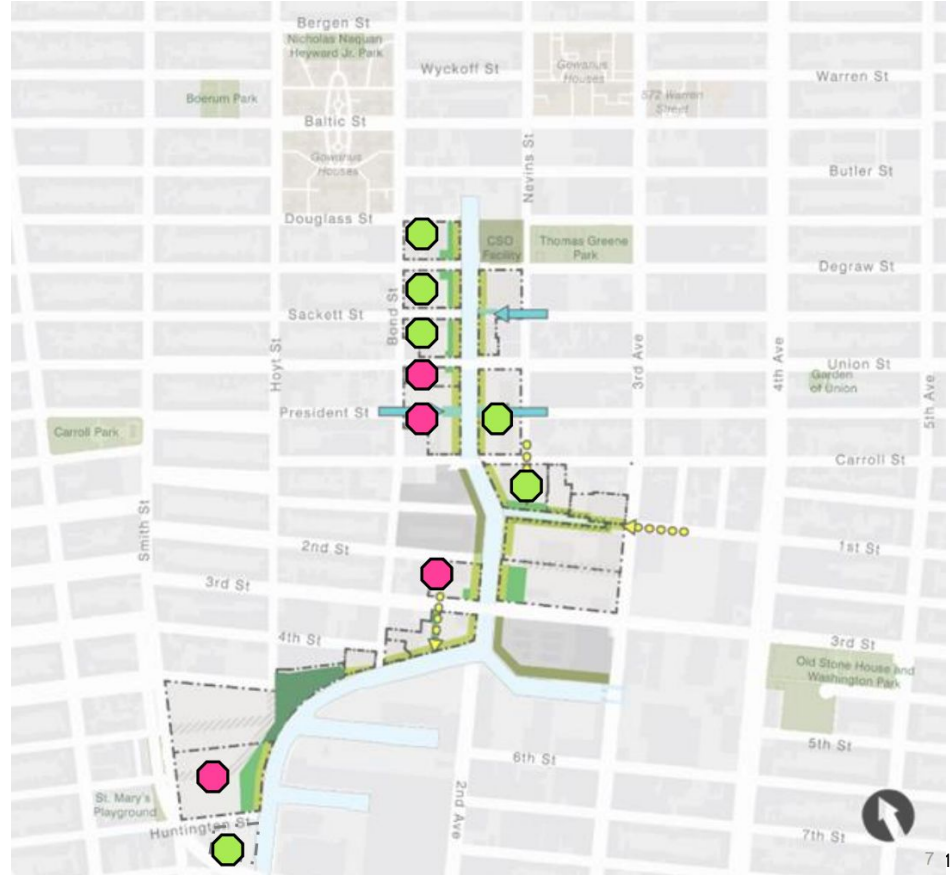
10 waterfront sites have proceeded to seek approvals for their proposed public space designs

(9 sites are within the WAP, and one of the sites, 300 Huntington was approved as a standalone application prior to the Gowanus rezoning, and is just outside the WAP)

6 of **10** have been approved

4 of **10** are under review

10 of **10** shared schematic designs with Brooklyn Community Board 6 and **8** of **10** presented at a Land Use Committee meeting.



**Questions about waterfront
access - requirements and
incentives - on the Canal?**

Active and/or Approved Projects

Waterfront Certifications

PROPOSED AMENITIES

amenity type	no. of amenities	no. of parcels
+ water feature*	1	1
+ play*	3	3
+ activity*	7	6
+ culture*	9	7
+ ecology*	5	5
+ designed seating	10	7
+ green space	4	4

LEGEND

+ **water feature*** - allows interaction with water (splash pad, boat launch/dock)

+ **play*** - encourages play activities (playground, court, field)

+ **activity*** - serves a specific active use (picnic area, dog run, skate park)

+ **culture*** - showcases history/art (historical signage, art installation)

+ **ecology*** - highlights ecological features of the neighborhood (get down, overlook)

+ **designed seating** - provides spaces for resting and gathering (terrace, sun deck)

+ **green space** - offers flexible use of areas with greenery/planting (lawn, garden)

* Listed as a community desired program in 2019 Gowanus Lowlands Master Plan



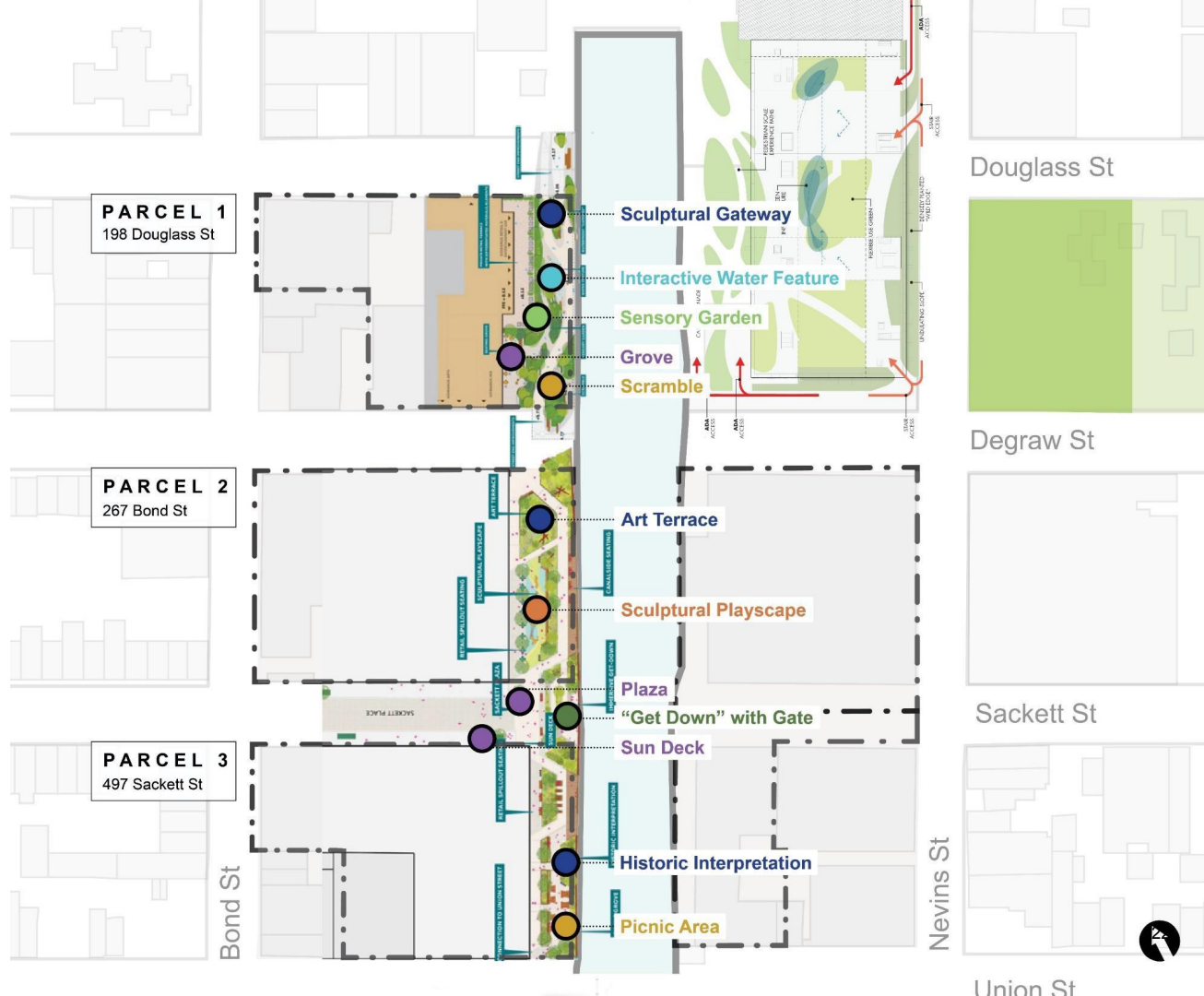
Active and/or Approved Projects

Waterfront Certifications

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Active and/or Approved Projects
Waterfront Certifications

Parcel 1 | 192-198 Douglass Street
Interactive water feature



Parcel 2 | 267 Bond Street
Sculptural play area, public art, and immersive planting



Active and/or Approved Projects

Waterfront Certifications

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Active and/or Approved Projects
Waterfront Certifications

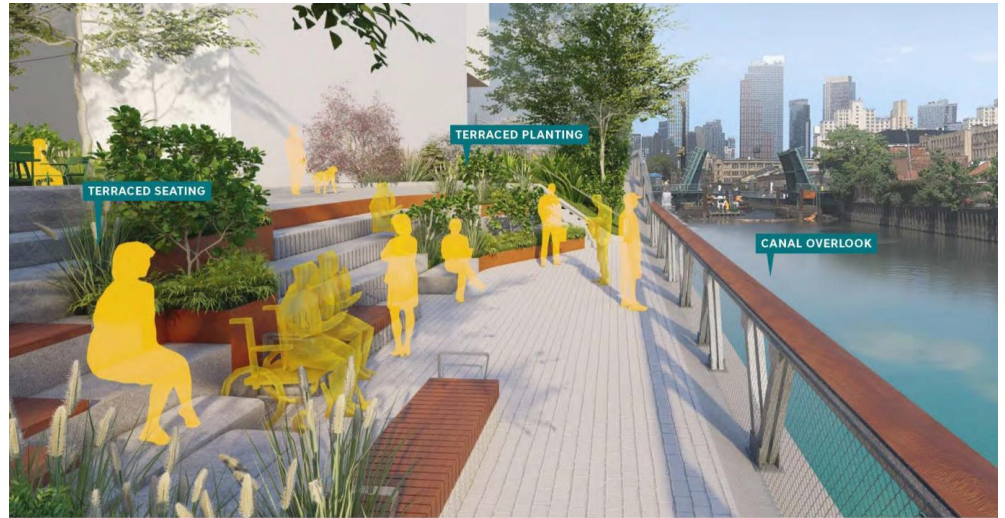
Parcel 5 | 300 Nevins Street

Pedestrian connection with seating and planting



Parcel 6b | 313-330 Bond Street

Universally-accessible canal overlook with terraced seating



Active and/or Approved Projects

Waterfront Certifications

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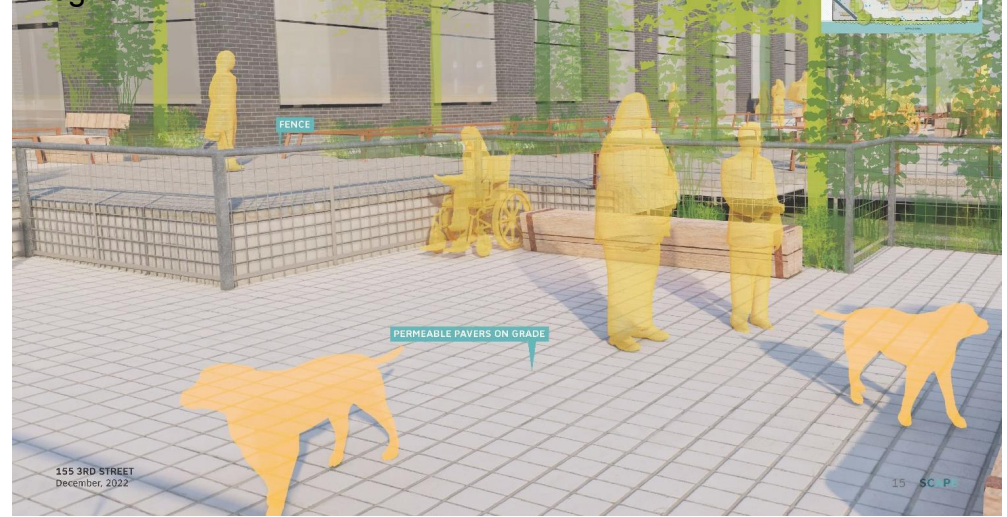


Active and/or Approved Projects
Waterfront Certifications

Parcel 8a | 420 Carroll Street
Wetland planting and “scramble” play area



Parcel 12a | 155 Third Street
Dog run



Active and/or Approved Projects

Waterfront Certifications

LEGEND

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PARCEL 16
Gowanus Green

PARCEL 17
459 Smith St

Active and/or Approved Projects
Waterfront Certifications

**Parcel 17 | 459 Smith
Street**
Play area



Parcel 12a | 155 Third Street
Amphitheater seating and flexible performance space



Challenges and successes

Challenges

Water access

Hurdles encountered:

- Grading challenges
- Limited depth and site planning constraints
- Competing priorities for inclusion of other amenities
- Cost and operational considerations

Potential pathway forward

□ Continue to advocate for inclusion of boat access via floating docks, particularly at locations with proposed gates.

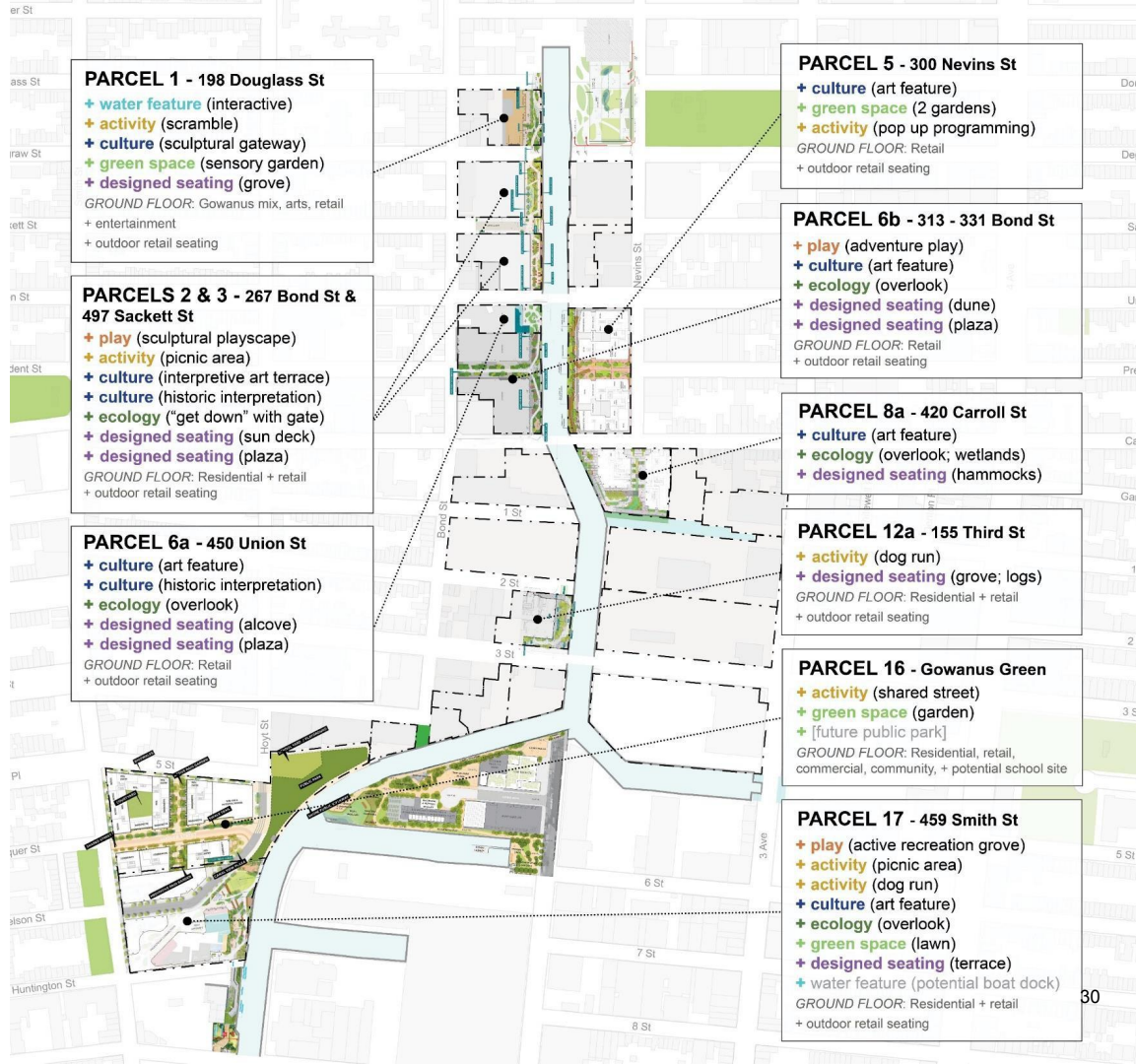
Public restrooms

Hurdles encountered:

- Restroom floor area incentive was not utilized
- Maintenance concerns
- Too early to include designated restroom locations

Potential pathway forward

□ Advocate to include bathrooms in new buildings rather than within or adjacent to a WPAA. Explore whether a future BID could help address maintenance concerns. Share successful precedents that could serve as a model.



PARCEL 1 - 198 Douglass St
 + water feature (interactive)
 + activity (scramble)
 + culture (sculptural gateway)
 + green space (sensory garden)
 + designed seating (grove)
 GROUND FLOOR: Gowanus mix, arts, retail
 + entertainment
 + outdoor retail seating

PARCELS 2 & 3 - 267 Bond St & 497 Sackett St
 + play (sculptural playscape)
 + activity (picnic area)
 + culture (interpretive art terrace)
 + culture (historic interpretation)
 + ecology ("get down" with gate)
 + designed seating (sun deck)
 + designed seating (plaza)
 GROUND FLOOR: Residential + retail
 + outdoor retail seating

PARCEL 6a - 450 Union St
 + culture (art feature)
 + culture (historic interpretation)
 + ecology (overlook)
 + designed seating (alcove)
 + designed seating (plaza)
 GROUND FLOOR: Retail
 + outdoor retail seating

PARCEL 5 - 300 Nevins St
 + culture (art feature)
 + green space (2 gardens)
 + activity (pop up programming)
 GROUND FLOOR: Retail
 + outdoor retail seating

PARCEL 6b - 313 - 331 Bond St
 + play (adventure play)
 + culture (art feature)
 + ecology (overlook)
 + designed seating (dune)
 + designed seating (plaza)
 GROUND FLOOR: Retail
 + outdoor retail seating

PARCEL 8a - 420 Carroll St
 + culture (art feature)
 + ecology (overlook; wetlands)
 + designed seating (hammocks)

PARCEL 12a - 155 Third St
 + activity (dog run)
 + designed seating (grove; logs)
 GROUND FLOOR: Residential + retail
 + outdoor retail seating

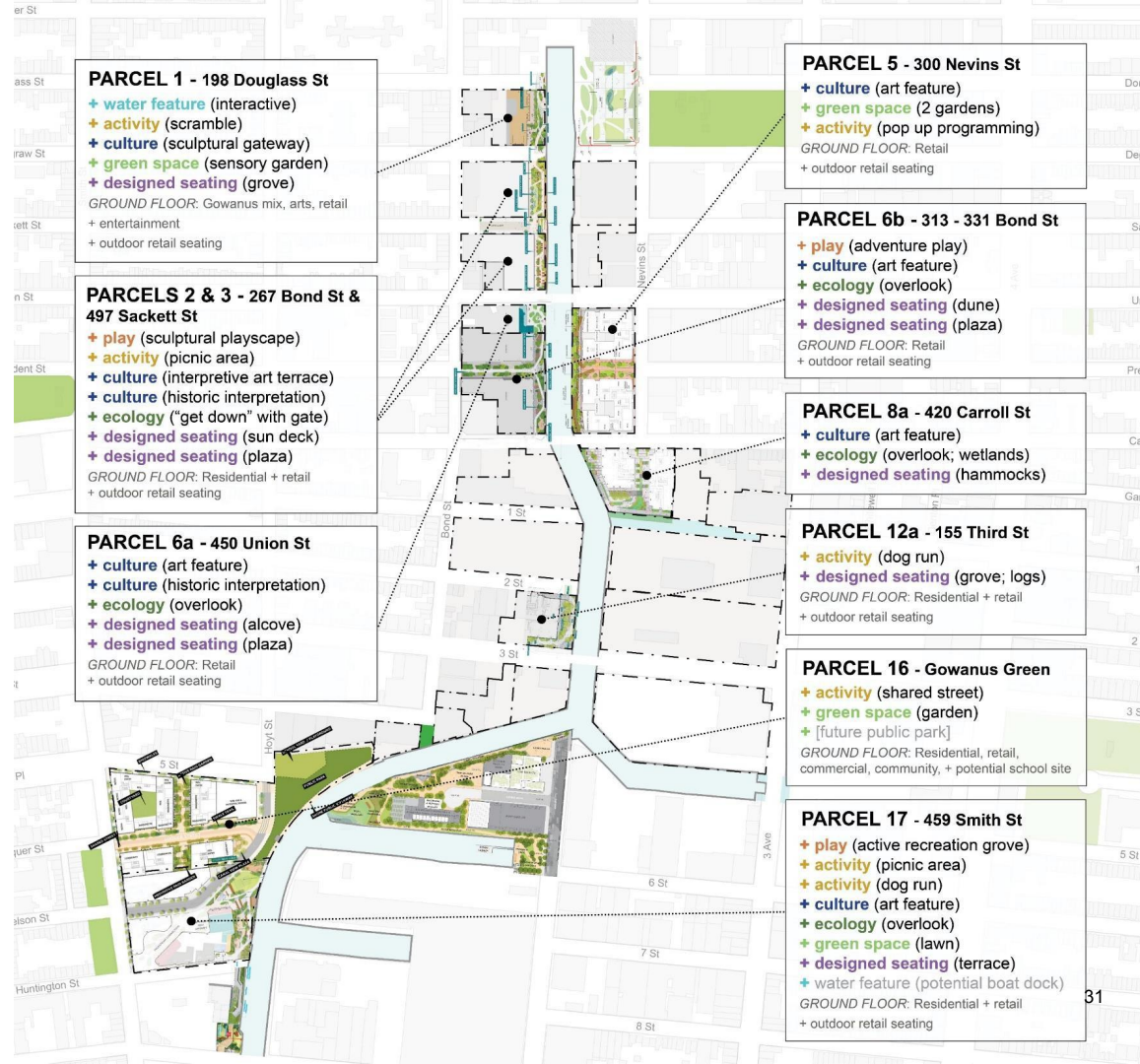
PARCEL 16 - Gowanus Green
 + activity (shared street)
 + green space (garden)
 + [future public park]
 GROUND FLOOR: Residential, retail, commercial, community, + potential school site

PARCEL 17 - 459 Smith St
 + play (active recreation grove)
 + activity (picnic area)
 + activity (dog run)
 + culture (art feature)
 + ecology (overlook)
 + green space (lawn)
 + designed seating (terrace)
 + water feature (potential boat dock)
 GROUND FLOOR: Residential + retail
 + outdoor retail seating

Challenges and successes

Successes

- **Tot lots** with interpretative play features, including water play
- **Multi-generational** and **universally accessible seating** areas and picnic areas
- Opportunities for **public art** and **historic interpretation**
- Two **dog runs** in the “mid” and “lower” canal areas
- **Overlooks** and **get-downs**
- Lawn as a **gathering space**
- Smaller **performance spaces** and stepped seating areas
- A variety of landscape treatments with **native planting** as well as **wetland areas**
- **Active ground floor frontages** along the water’s edge
- Additional **open areas** and **expanded entrances**, particularly near **bridges** (where feasible)



Challenges and successes

How can the community stay involved and help shape proposals?

- Selecting **artwork or historic interpretation features** □ sites with proposed features (Parcels 1, 2, 3, 5, 6a, 6b, 8a, 17)
- Continued advocacy for future **boat access via floating docks, or as a future phase** □ sites with gates and larger sites (Parcels 11 and 17)
- Continued advocacy for provision of **restrooms** □ area-wide
- Ideas for **programming** and **stewardship** of future public spaces □ area-wide
- Suggestions for **ground floor program** and **tenanting**



City-led projects

CSO Red Hook Facility | “Head End”

Ongoing Work:

Phase 2 □ the construction of the underground tank

Future Phases:

Phase 3 □ 1.6 acre open space construction (scheduled for 2027-2030)

Engagement:

- The engagement efforts and design of the top of tank open space is completed.
- The design of the Degraw Street end will pick up at the end of next year.



City-led projects

CSO Owls Head Facility | “Salt Lot”

Ongoing Work:

Phase 1 □ site preparation and the construction of the salt shed and interim compost facility.

Future Phases:

Phases 3 and 4 □ 2-acre open space construction (scheduled for 2026-2029)

Engagement:

- **2022-2023:** Four public engagement meetings to guide the character of the City’s facilities, the 2 acres of public open space and the programming. ***The broader visioning of the open space is complete, and shared publicly this spring.***
- The design will continue to be refined and shared out to Community Board 6 and the Public Design Commission review process.



City-led projects

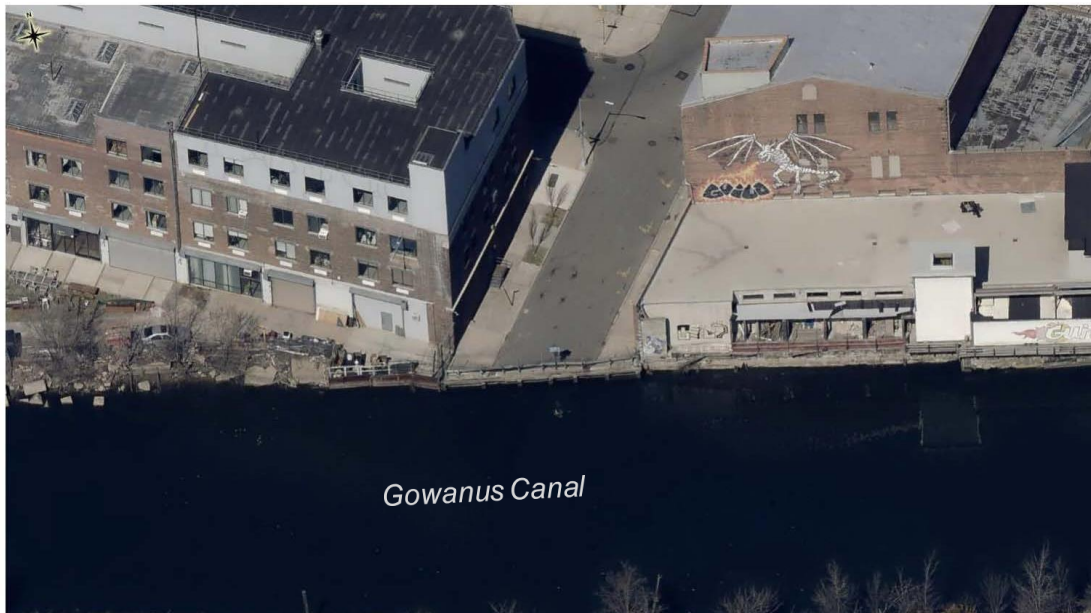
Bond Street

NYC Parks, in consultation with DOT, will transform a prominent Gowanus street end not slated for improvements through private investments via the WAP into open space.

Status: Pre-Design

Anticipated start: Design start is contingent upon reconstruction of the site's bulkhead which will occur during the Canal's cleanup Remedial Target Area (RTA) 2 phase

Project Timeline: The design process, which include a community input meeting, takes 10-15 months; procurement is 9-12 months; park construction will take 12-18 months.



Street ends | “Public access points”

Multiple ownership & built conditions



Degraw St. West



Huntington St.



2nd St. East



President St. West (de-mapped)



1st St. East



2nd St. West

Street ends | “Public access points”

Publicly-accessible vs. Private



Bridges



Mapped Streets



Paper Streets

Streets that are officially mapped but that are not built, and only appear on paper maps

City Map Changes



Newly mapped streets



Demapped streets



Upland Connection

Zoning-mandated publicly-accessible open space provided on private land from the upland street to the shoreline



Street ends within/near the Gowanus WAP geography (10)



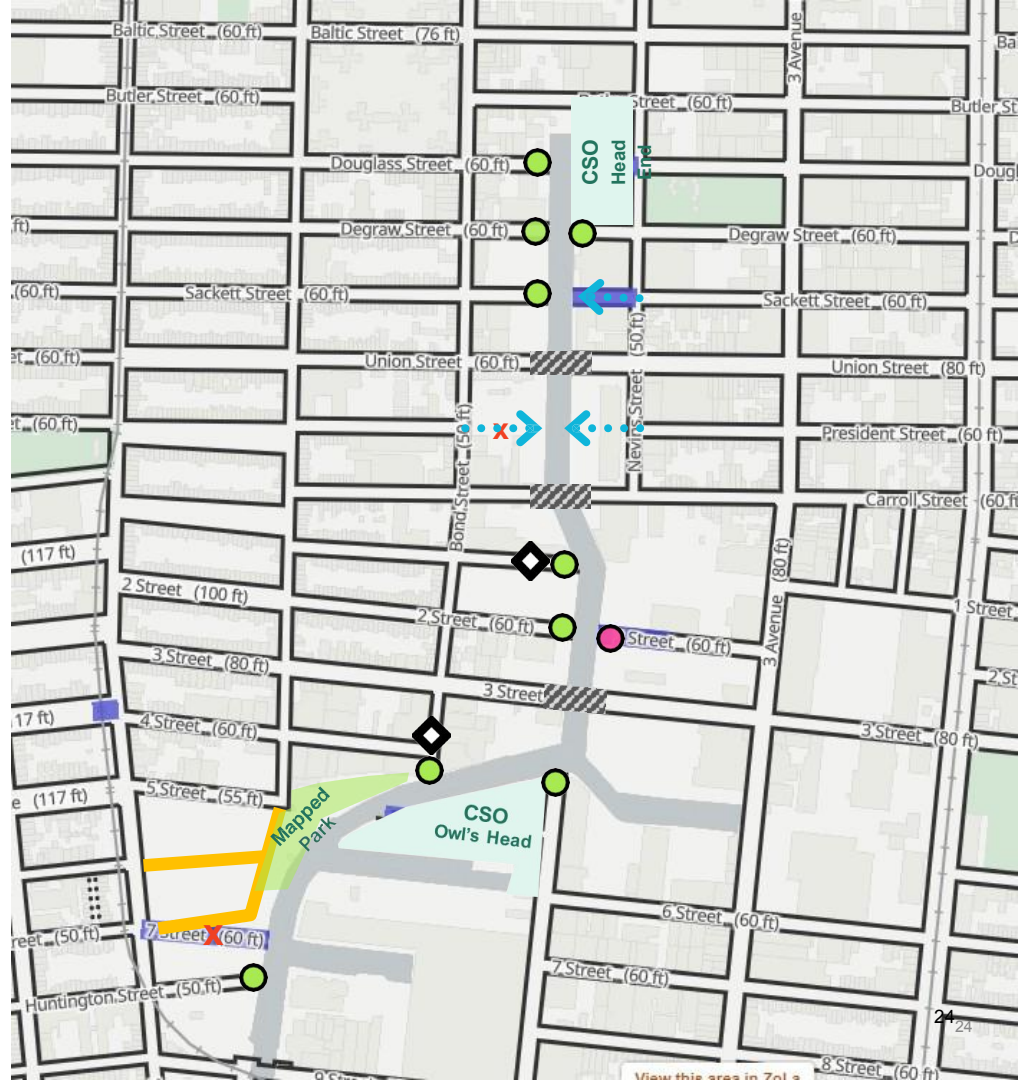
Publicly-accessible street ends - Title findings, map status and ownership varies (9)



Public streets where City owns Title* (2)



Private street ends w/ public access obligations to be fulfilled (1)



**Questions about waterfront
projects, approved and
planned?**

Flooding & Sewer Systems

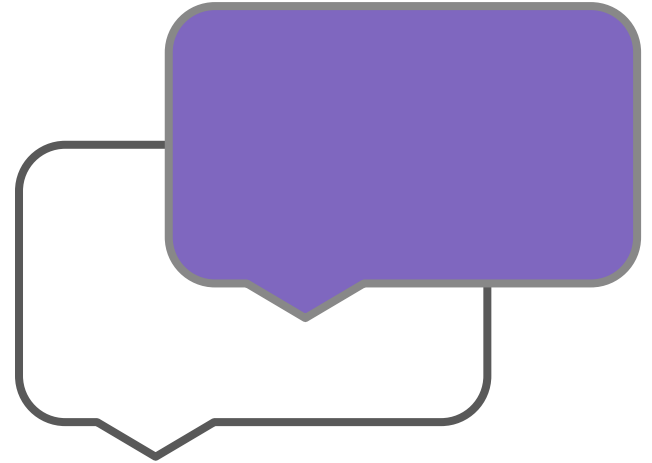
NYC Department of
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Flooding + Sewer Systems QUESTIONS

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Gowanus Rezoning Oversight Task Force

September 28, 2023





NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION

Our Mission

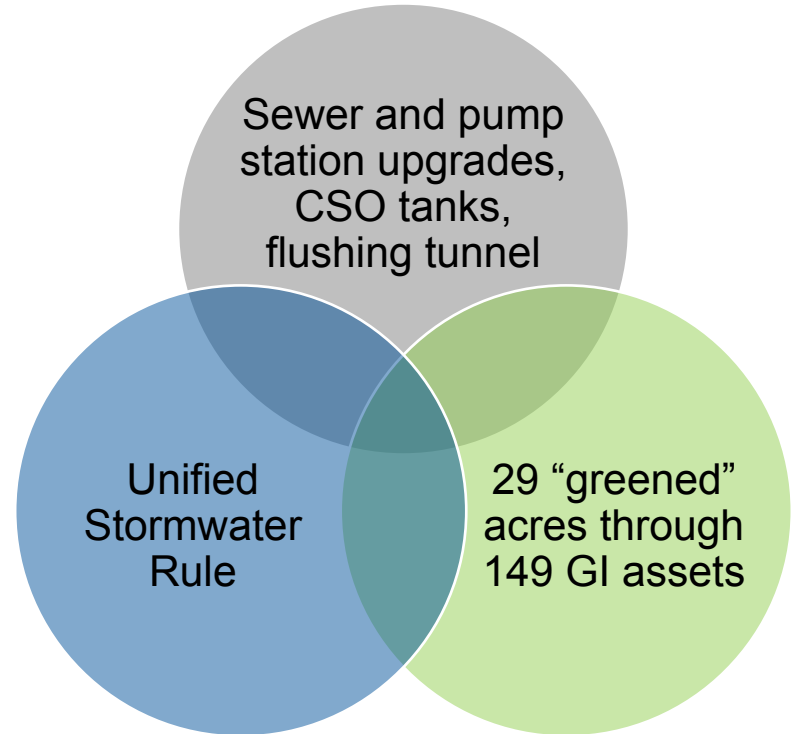
DEP's mission is to enrich the environment and protect public health for all New Yorkers by providing high quality drinking water, managing wastewater and stormwater, and reducing air, noise, and hazardous materials pollution.

Every day, DEP delivers a billion gallons of drinking water and treats 1.3 billion gallons of wastewater in the city's 14 wastewater resource recovery facilities.

The agency maintains 7,000 miles of in-city water mains, 109,000 fire hydrants, 148,000 catch basins, 7,500 miles of in-city sewers, and 96 pumping stations.

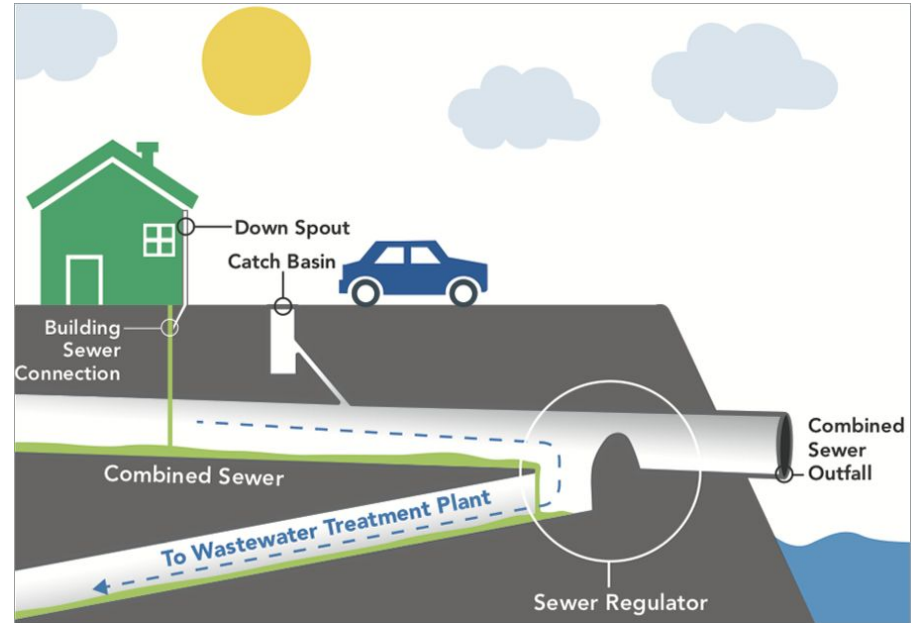
Our Work in Gowanus

- Managing stormwater runoff and reducing combined sewer overflows (CSO) into the Gowanus Canal
- Maintaining and improving sewer infrastructure to reduce sewer back-ups and flooding
- **A multi-faceted approach:** DEP's toolkit includes grey and green infrastructure and stormwater management regulations



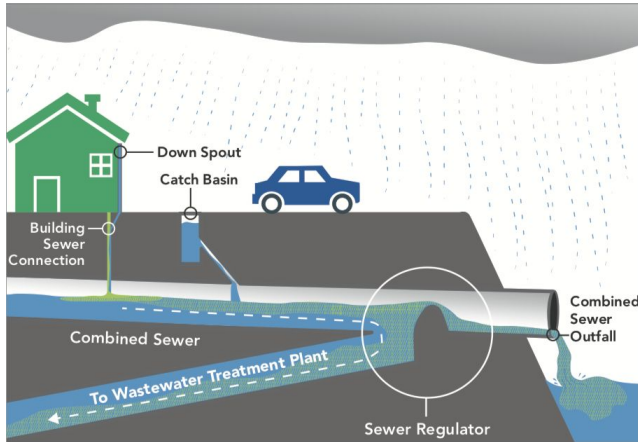
Combined Sewer

- Gowanus, like about 60% of the city, has a combined sewer that collects both sanitary waste and rainwater.
- During rainstorms, the system can get overwhelmed when the amount of water produced by the storm is greater than the capacity of the pipes.

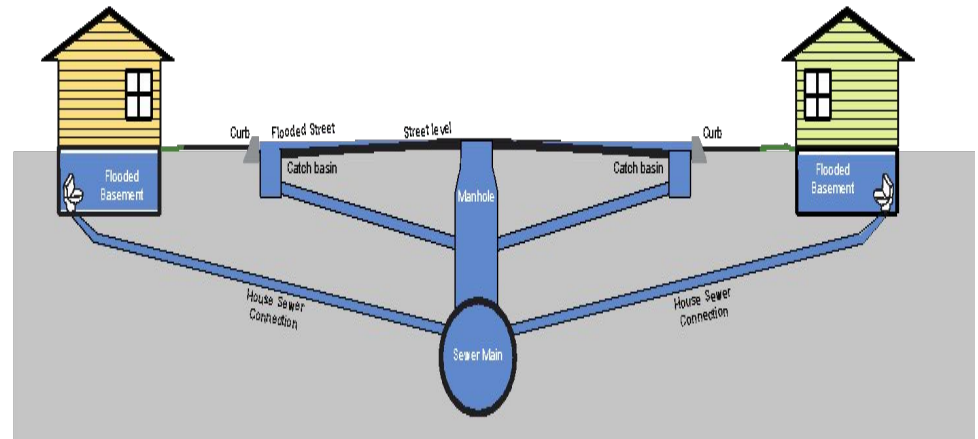


Overflows and Back-Ups

When the sewer system is overwhelmed, it can result in:



Combined Sewer Overflows (CSOs): Overflows into local waterways



Sewer Back-Ups (SBUs): Overflow from manholes, catch basins, and basement sewer connections

4th and Carroll Streets

- Flooding at the area surrounding 4th Avenue and Carroll Street is a chronic problem.
- DEP has been evaluating alternative solutions that will alleviate flooding.



Flash flood event at 4th Avenue and Carroll Street Summer of 2019

Design Principles

- *Increase* capacity of the sewers
- *Lessen* reliance on pumping, which consumes energy
- *Capitalize* on capital sewer work in design and construction as much as possible



Sewer improvements in progress on 7th Street
between 3rd and 4th Avenue
September 2023

Phased Construction

Phase 1: 7th Street between 3rd and 4th Avenues
Increase capacity of sewer by 78%

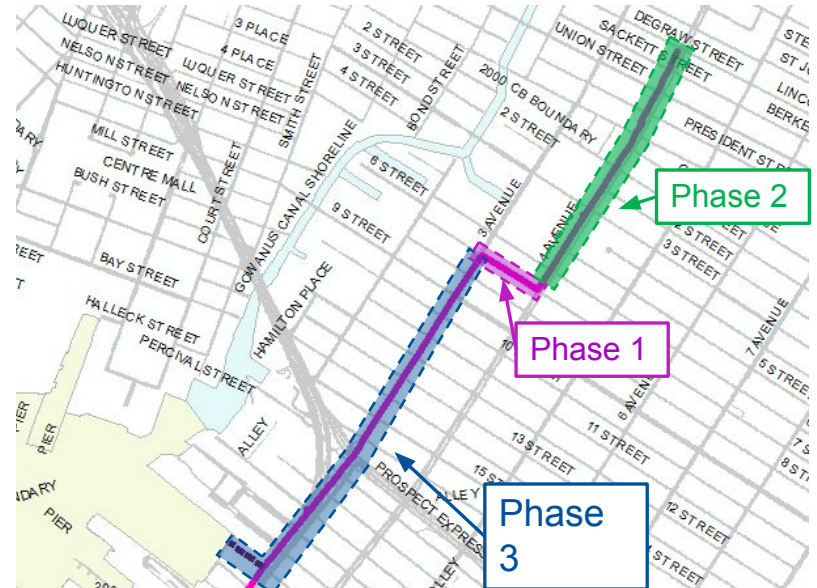
Funded: \$2.7M

Phase 2: 4th Avenue between Degraw and 7th Streets
Increase capacity of sewer by 167%

Funded: \$115.8M*

Phase 3: 3rd Avenue between 7th and 22nd Streets
Increase capacity of sewer by 495%

Funded: \$114.7M*



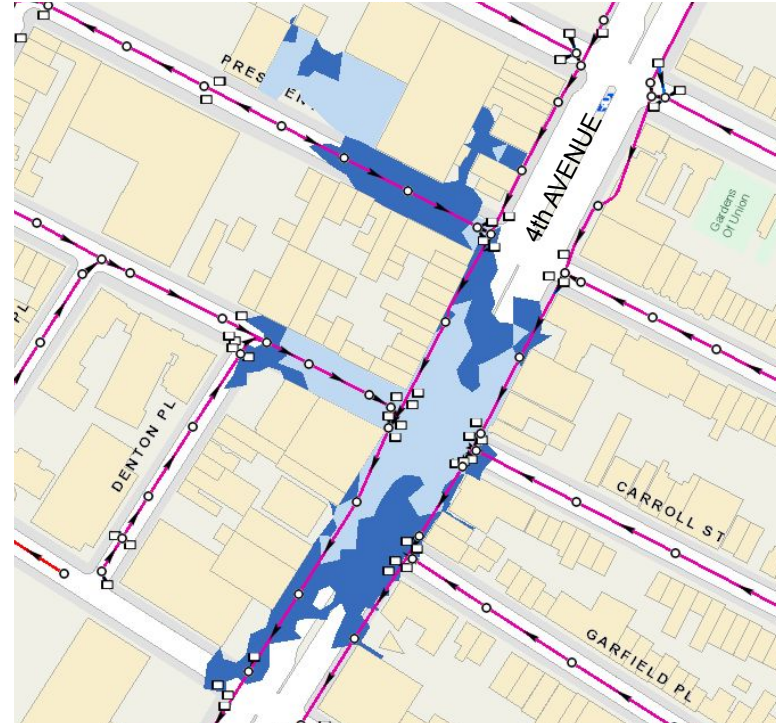
*also includes watermain upgrades

Impact to 4th & Carroll

Phase 1: 2024 □ 40% flood reduction

Phase 2: 2031 □ 50% flood reduction

Phase 3: 2033 □ 100% flood reduction



5-Year Storm Flood Modeling: Existing Conditions
Surrounding 4th Avenue and Carroll Street

Broader Impact

Phase 1: 2024 □ 4% flood reduction in drainage plan area

Phase 2: 2031 □ 33% flood reduction in drainage plan area and 1% reduction in tributary area

Phase 3: 2033 □ 83% flood reduction in drainage plan area and 19% reduction in tributary area



- Phased Construction
- Drainage Plan Area
- Tributary Area

Considerations

- The 19th Street Pump Station will **NOT** require upsizing, but it will be renovated to meet updated safety, operations and resiliency guidelines to ensure reliable service.
- This plan:
 - Reduces cost – \$158M in savings!
 - Expedites schedule
 - Reduces energy consumption
- DEP will use a similar design approach to increase the level of service for the Bond-Lorraine sewer that runs on the west side of the Gowanus Canal.

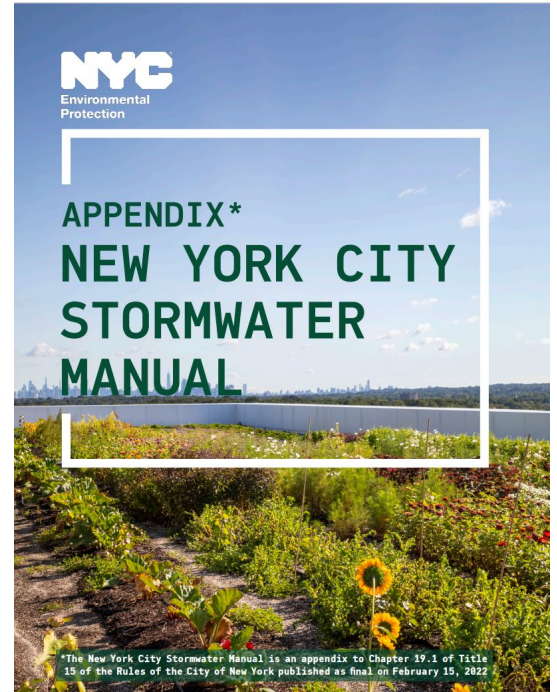


19th Street Pump Station, constructed 1951

**Questions about sewer
upgrades?**

Unified Stormwater Rule: What is It?

- In 2022, DEP increased the amount of stormwater new and redeveloped properties must manage on-site.
- Stormwater can overwhelm the city's sewer system and this rule is a primary tool to reduce sewer overflows and back-ups.
- DEP provides guidance for stormwater management practices to meet the requirements of the rule.
- DEP and Department of Buildings enforce the rule.



USWR: How Does it Work?

If your project....

Disturbs 20,000 square feet or more of soil

Adds 5,000 square feet or more of new non-permeable area

...you must

Retain 1.5 inches of stormwater runoff



Courtesy of NYC Department of City Planning

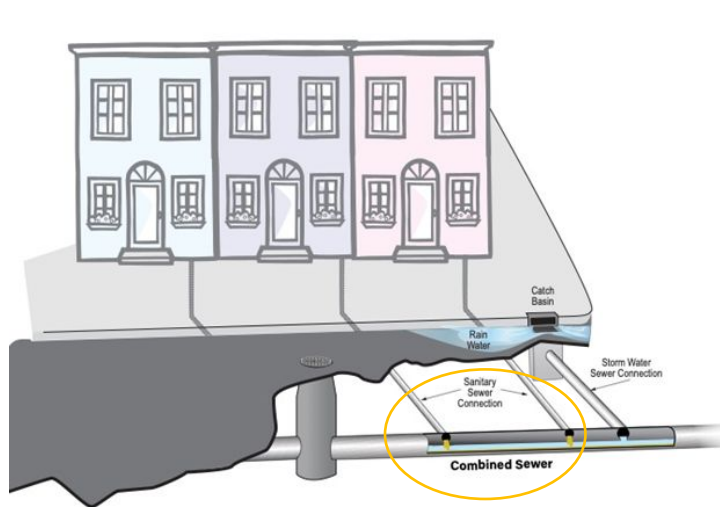
USWR: How Does it Work?

If your project....

Requires a connection to the city sewer

...you must

Detain additional stormwater and slow its release into the sewer system



USWR: What's the Impact?

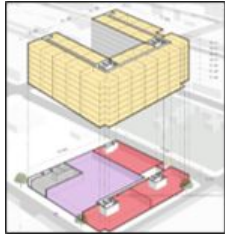
- The Unified Stormwater Rule is essential to reduce combined sewer overflows (CSO).
- In Gowanus, the rezoning presents a *huge opportunity* to improve the health of the canal through stormwater management.
- DEP calculates a **net decrease in CSOs into the Gowanus Canal by 5.42 million gallons a year** with the full rezoning buildout, new CSO tanks, and new stormwater rule.
- **That's the volume of 8 Olympic-sized swimming pools!**



Gowanus development, July 2023

USWR: Gowanus Case Study

Stormwater Management Practices (SMPs): Green Roof + Blue Roof + Detention Tank



Site Information

General:

Lot Area: 40,000 SF
Sewer Type: Combined
Constraints: Space

Site Characteristics:

Rooftop: 40,000 SF
Pavement: 0 SF
Green: 0 SF



Legend

 Lot Boundary	 Green Roof	 Storm Drain
 Drainage Areas	 Blue Roof Device	
 Detention Tank	 Manhole	

Results:

- Manages 51% more stormwater on site
- Releases captured stormwater to the sewer 63% slower
- Requires green infrastructure with co-benefits (increased habitat, reduced heat island effect)
- These stormwater management practices are preventing **230,000 gallons** of CSO from entering the Gowanus Canal per year

Questions about the Unified Stormwater Rule?

Gowanus Canal CSO Facilities

Community Construction Liaisons

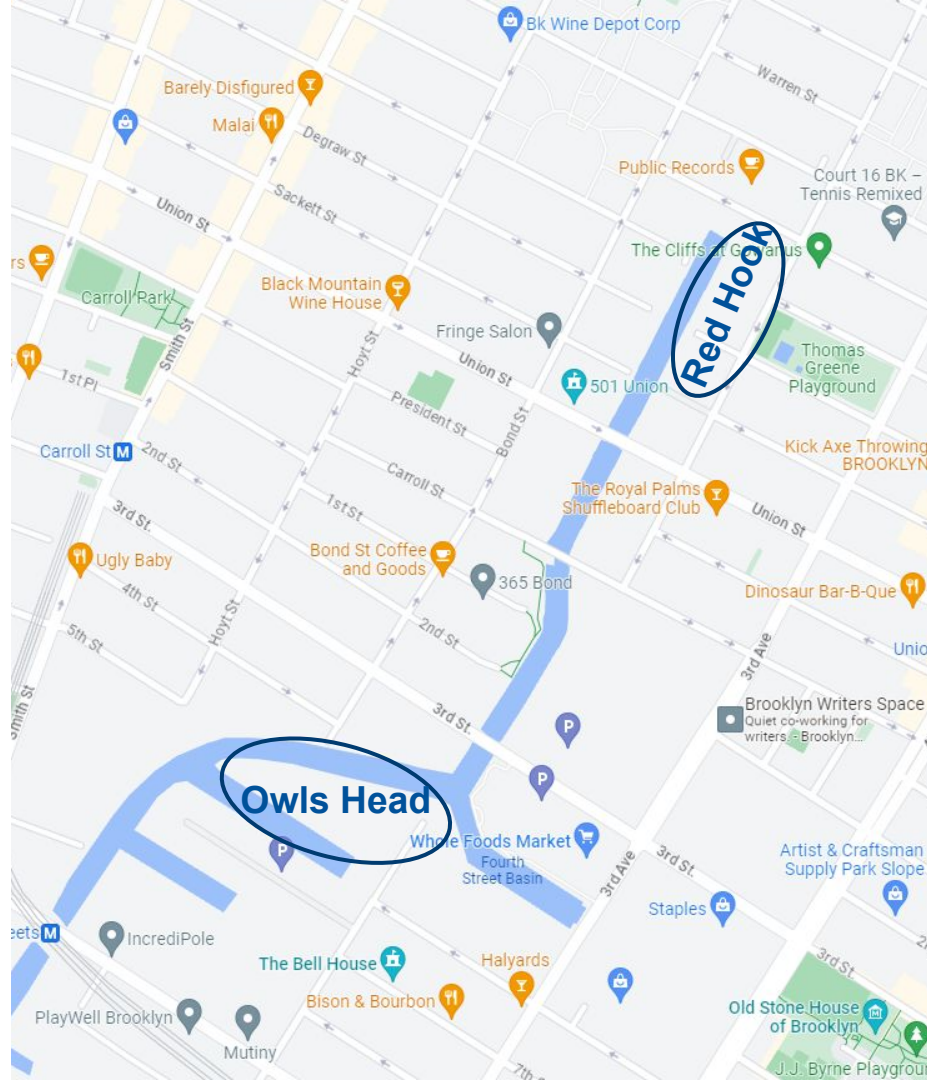
Red Hook Site: Valentina Mascaro and Tiffany Asberry,
Johnson and Asberry

- gowanuscl@johnson-asberry.com
- 934-216-0209

Owls Head Site: Lisa Blake, Michael Baker International

- GowanusCCL_OH@mbakerintl.com
- 646-682-5562

<https://www.nyc.gov/site/dep/water/gowanus-canal.page>



Construction Progress CSO Facilities



Owls Head Tank Site aka Salt Lot

- GCC relocated to 9th Street in February 2022
- Bulkhead reconstruction nearly complete
- Phase 1 (site prep and construction of salt shed and interim composting facilities) has begun



Red Hook Tank Site aka Head End

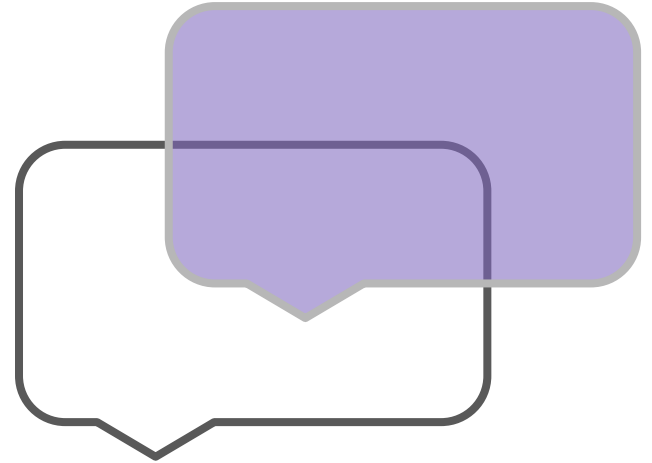
- Phase 1 (site prep) completed in January 2023
- Phase 2 (construction of the tank) broke ground in March 2023
- In September, crews began building the support walls for excavation of the tank

Thank you!

COMMENTS + QUESTIONS

Please include on your note card:

- Your Name
- Affiliation
- Committee of interest
- Agency(ies) of interest
- City Commitment / Point of Agreement (POA)



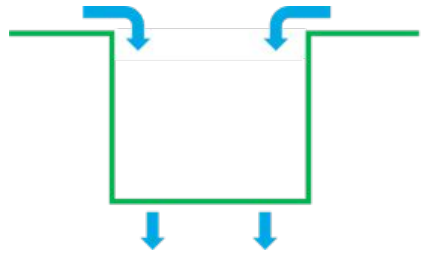
Website: gowanustaskforce.net

Questions can be sent to: info@gowanustaskforce.net

USWR: What Are the Tools?

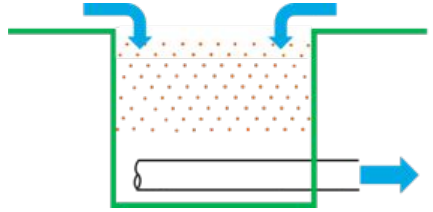
Infiltration

Example: Bioretention, no underdrain



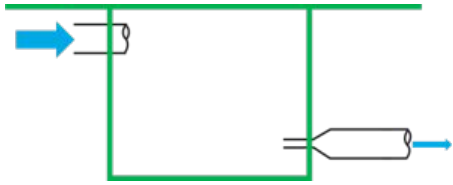
Filtration

Example: Sand filter



Detention

Example: Detention tank



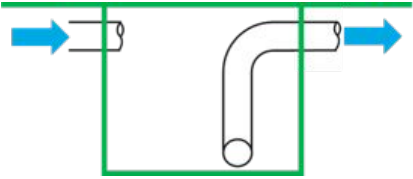
Evapotranspiration

Example: Green roof



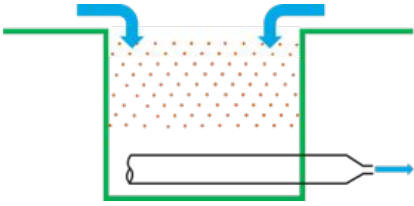
Reuse

Example: Reuse in cooling tower



Filtration + Detention

Example: Bioretention with controlled release underdrain



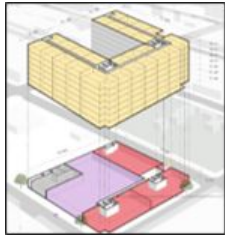
USWR: Reporting

- The Unified Stormwater Rule is essential for citywide combined sewer overflow (CSO) reduction.
- With NY State Department of Environmental Conservation, DEP established equivalency rates for all green infrastructure practices and for specific waterbody drainage areas.
- **These rates allow DEP to calculate the CSO reduction from the stormwater capture.**

Green Infrastructure Practice Class or Program	Retention or Detention	Equivalency Rate (SW MGY/unit)
2012 Stormwater Rule	Detention	0.13
2022 Unified Stormwater Rule	Retention	0.97
2022 Unified Stormwater Rule	Detention	0.68
Green Roofs with Orifice Control	Detention	0.68
Waterbody Drainage Area	(SW MGY/CSO MGY)	
Alley Creek	2.75	
Jamaica Bay and Tributaries	3.67	
Bronx River	2.35	
Coney Island Creek	2.75	
Hutchinson River	1.73	
East River / Open Waters	1.87	
Flushing Bay	1.25	
Flushing Creek	1.91	
Gowanus Canal	2.75	
Newtown Creek	1.72	
Westchester Creek	5	

USWR: Gowanus Case Study

Stormwater Management Practices (SMPs): Green Roof + Blue Roof + Detention Tank



SITE INFORMATION

General:

Lot Area: 40,000 SF
 Sewer Type: Combined
 Constraint: Space

Site Characteristics:

Rooftop: 40,000 SF
 Pavement: 0 SF
 Green: 0 SF



Legend

- Lot Boundary
- Drainage Areas
- Detention Tank
- Green Roof
- Blue Roof Device
- Manhole
- Storm Drain

WATER QUALITY VOLUME REQUIREMENT

- *Manage more stormwater:* 35,500 gallons/year
- *Use SMP toolkit:* Green and blue roofs would be typical SMPs for constrained sites

TOTAL STORMWATER VOLUME REQUIREMENT

- *Manage more stormwater:* 43,800 gallons/year
- **Credit for green and blue roof (see above) = 18,300 gallons**
- *Slowing down flow:* Release rate = 0.092 cubic feet per second

RESULT

- Increased stormwater management by 51%
- Detained stormwater volume released at a rate 63% slower
- Using equivalency rates, **these stormwater management practices are preventing 230,000-gallons of CSO from entering the Gowanus Canal per year**

USWR: How Does it Work?

Rule Triggers

- ✓ Project disturbs 20,000 SF or more of soil
- ✓ Project adds 5,000 SF or more of new impervious area

- ✓ Project requires a certified site or house connection proposal for connectin to a city sewer

Rule Requirements



Chapter 19.1 Water Quality Volume

Retain 1.5 inches of stormwater over a 24-hour rain event, through retention, to reduce combined sewer overflows and polluted stormwater runoff in waterbodies



Chapter 31 Stormwater Quantity and Flow Rates

Detain additional volume and slowly release to the sewer system to improve operations during wet weather

Sites that trigger both rule requirements have a multi-step process that requires multiple permits, inspections and annual certification of stormwater management practices.

- Enforced by DEP and Department of Buildings
- Penalties for non-compliance

5. THANK YOU | NEXT STEPS

- X
- X
- Next Public Meeting: December 14, 2023

GOTF COMMITTEES

Communications + Engagement

Ensuring ongoing public access to GOTF updates

Housing

Investing in NYCHA improvements, new affordable housing + resident engagement

Open Space + Waterfront Access

Increasing access to quality green space + waterfront

Economic + Workforce Development

Enabling the growth of small businesses + advancing workforce programs that are equitable + community-centered

Sustainability + Resiliency

Reducing the adverse environmental impacts of the rezoning

Public Infrastructure

Tracking the completion of public works and facilities

CITY AGENCY REPRESENTATIVES

More than 75% of the 56 POAs involve **7 NYC agencies**

- **NYC Department of City Planning (DCP)**
- New York City Housing Authority (NYCHA)
- NYC Department of Transportation (DOT)
- NYC Department of Housing Preservation & Development (HPD)
- **NYC Department of Environmental Protection (DEP)**
- NYC Small Business Services (SBS)
- **NYC Department of Parks and Recreation (DPR)**

Other with POA responsibilities: DOE; SCA; EDC; DYCD; MOCEJ; CTO/OTI;
Brooklyn Public Library (BPL)