



Parks

Commodore Barry Park Phase 3

Located near Flushing Avenue and Navy Street,
in the Borough of Brooklyn

PDC Preliminary Submission

January 26, 2024

Designer: Stantec and NYCParks

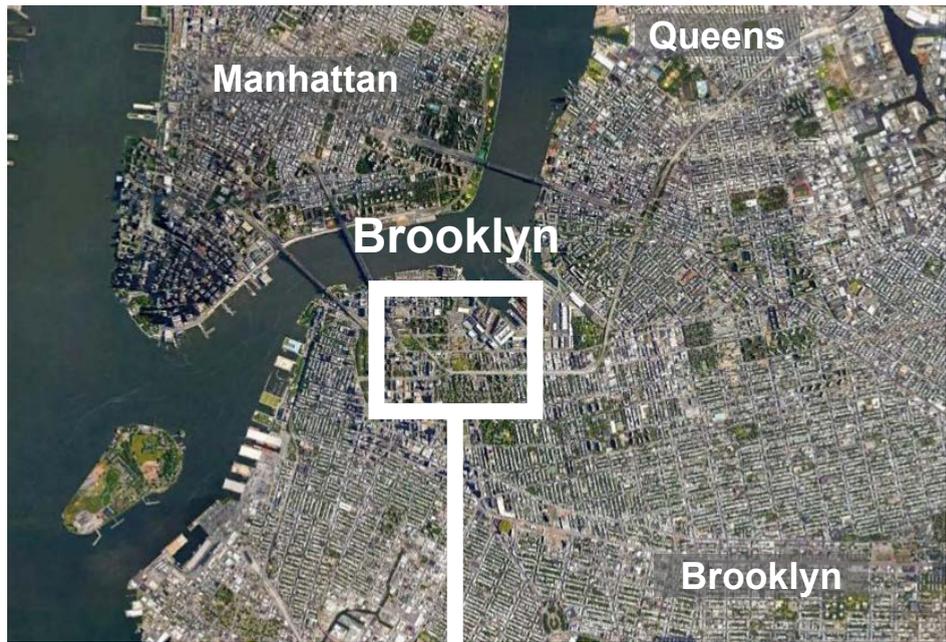
Total Budget: \$20.5m
Mayor, Eric Adams - \$ 20.5m

Project Size: 2.5 ac

Goals

- Create a destination point within the park by adding amenities
- Upgrade active play capacity for the park and neighborhood
- Facilitate passive use and community events
- Enhance and add to the environmental amenities of the site
- Improve access, circulation, and sight lines in the park





City 2 MI



Neighborhood 1000 FT



Site 200 FT



NYC Parks

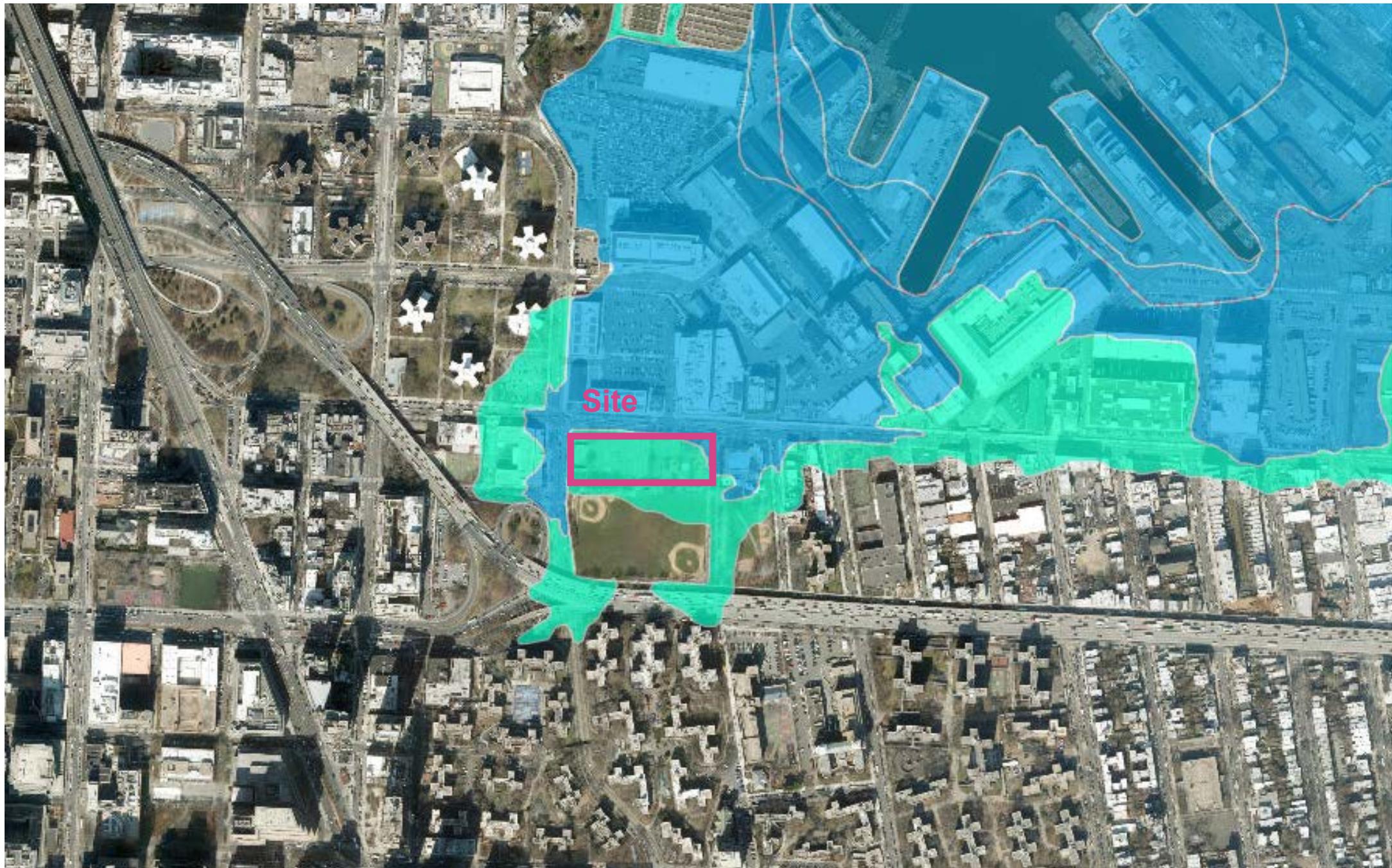
Commodore Barry Park | Project Location





Commodore Barry Park | Overall Aerial





Base Flood Elevation (BFE): 11ft

Flood Hazard Zones

2015 Preliminary Flood Insurance Rate Map

V Zone (100-year floodplain subject to wave action)

Areas along coasts subject to inundation by the 1% annual chance flood event with additional hazards associated with storm-induced waves.

A Zone (100-year floodplain)

Areas subject to inundation by the 1% annual chance flood event.

Shaded X Zone (500-year floodplain)

Areas within the 0.2% annual chance floodplain, areas of 1% annual chance flooding where average depths are less than 1 foot, areas of 1% annual chance flooding where the contributing drainage area is less than 1 square mile, and areas protected from the 1% annual chance flood by a levee.

Limit of Moderate Wave Action (LiMWA)

The inland limit of the area expected to receive 1.5ft or greater breaking waves during the 1% annual chance flood event. Data from 2015 PFIRMs.

Future Floodplain 2050s

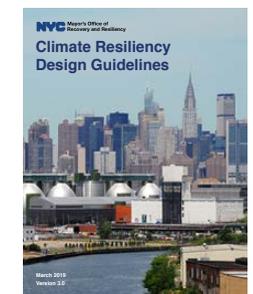
Future 1% Annual Chance Floodplain (100-year)

Future 0.2% Annual Chance Floodplain (500-year)

Resources (Links):



NYC Parks: Design and Planning for Flood Resiliency



NYC MOCR: Climate Resiliency Design Guidelines (v4.0)



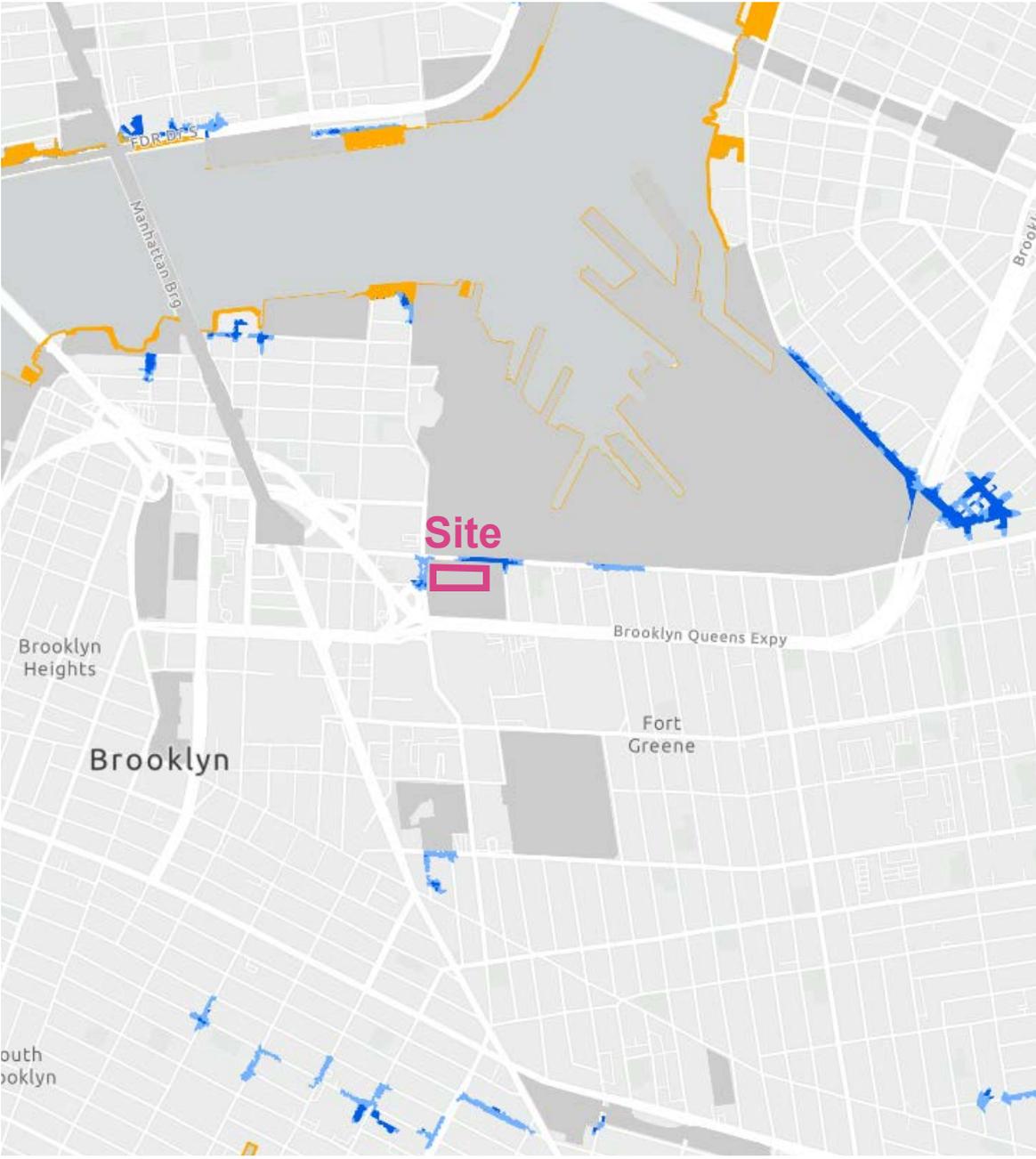
NYC Parks

Commodore Barry Park | Flood Risk (Coastal)

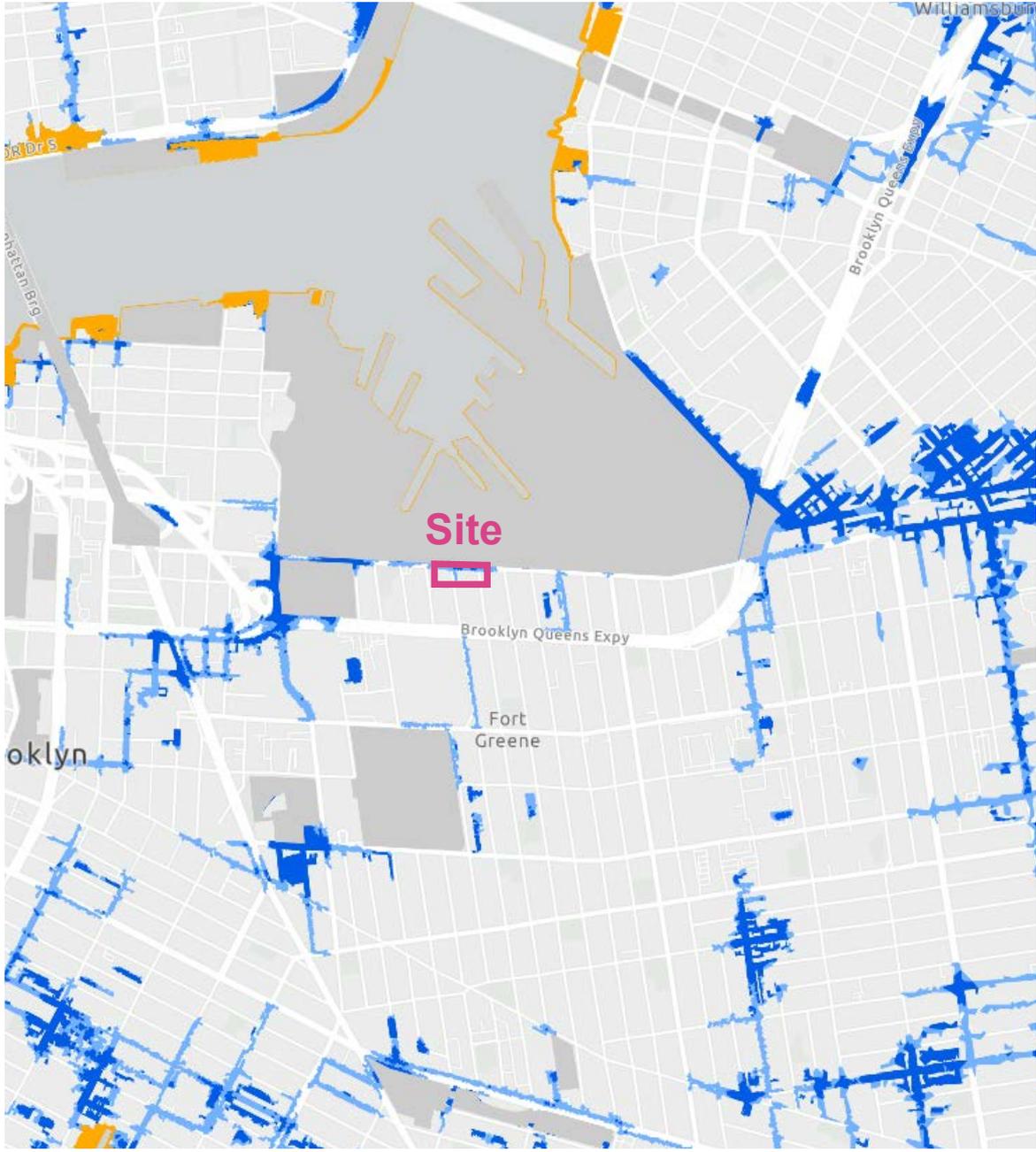


NYC Stormwater Flood Maps

- Area not included in analysis
- Future High Tides 2050 (Moderate) & 2080 (Extreme)
- National Wetlands Inventory
- Deep and Contiguous Flooding (1ft and greater)
- Nuisance Flooding (greater or equal to 4 in and less than 1 ft)



Moderate Flooding (10-year storm)



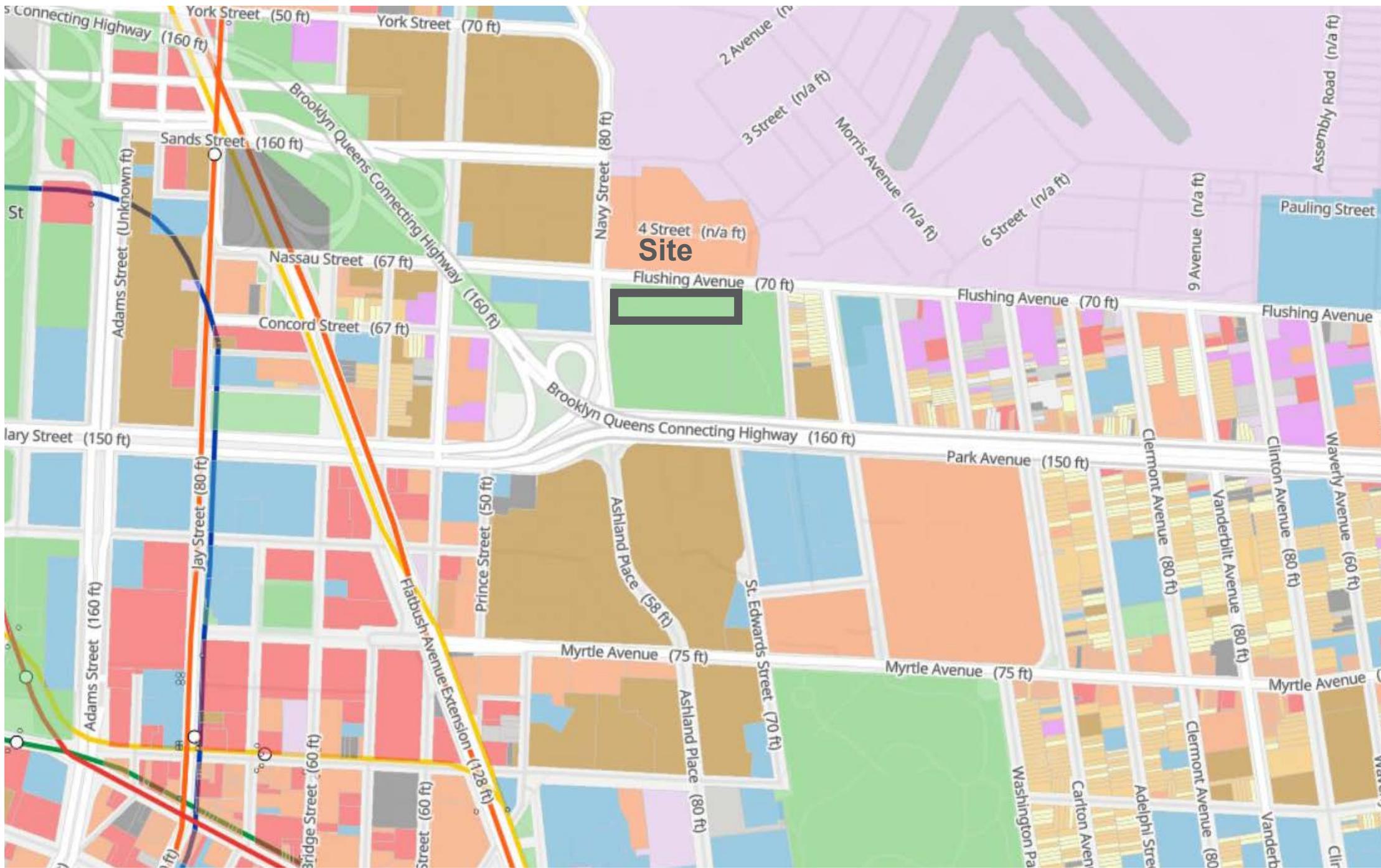
Extreme Flooding (100-year storm)



NYC Parks

Commodore Barry Park | Flood Risk (Stormwater)





Land Use Categories

- 1 And 2 Family Residential
- Multi-Family Residential (Walkup)
- Multi-Family Residential (Elevator)
- Mixed Use
- Commercial & Office
- Industrial & Manufacturing
- Transportation / Utilities
- Public Facilities & Institutional
- Open Space And Outdoor Recreation
- Parking
- Vacant Land
- Other



Commodore Barry Park | Surrounding Land Use



Susan Smith McKinney Park
Basketball (2)
Handball (2)
Play equipment
Public Restroom

Bridge Park 3
Basketball (1)
Handball (1)

Cadman Plaza Park

Walt Whitman Park

Trinity Park

McLaughlin Park
Basketball (2)
Handball (2)
Soccer (1)
Baseball (1)
Play equipment
Public Restroom

Korean War Veterans Plaza

Columbus Park

Golconda Playground
Basketball (2)
Handball (2)
Play equipment
Public Restroom
Roller Skating

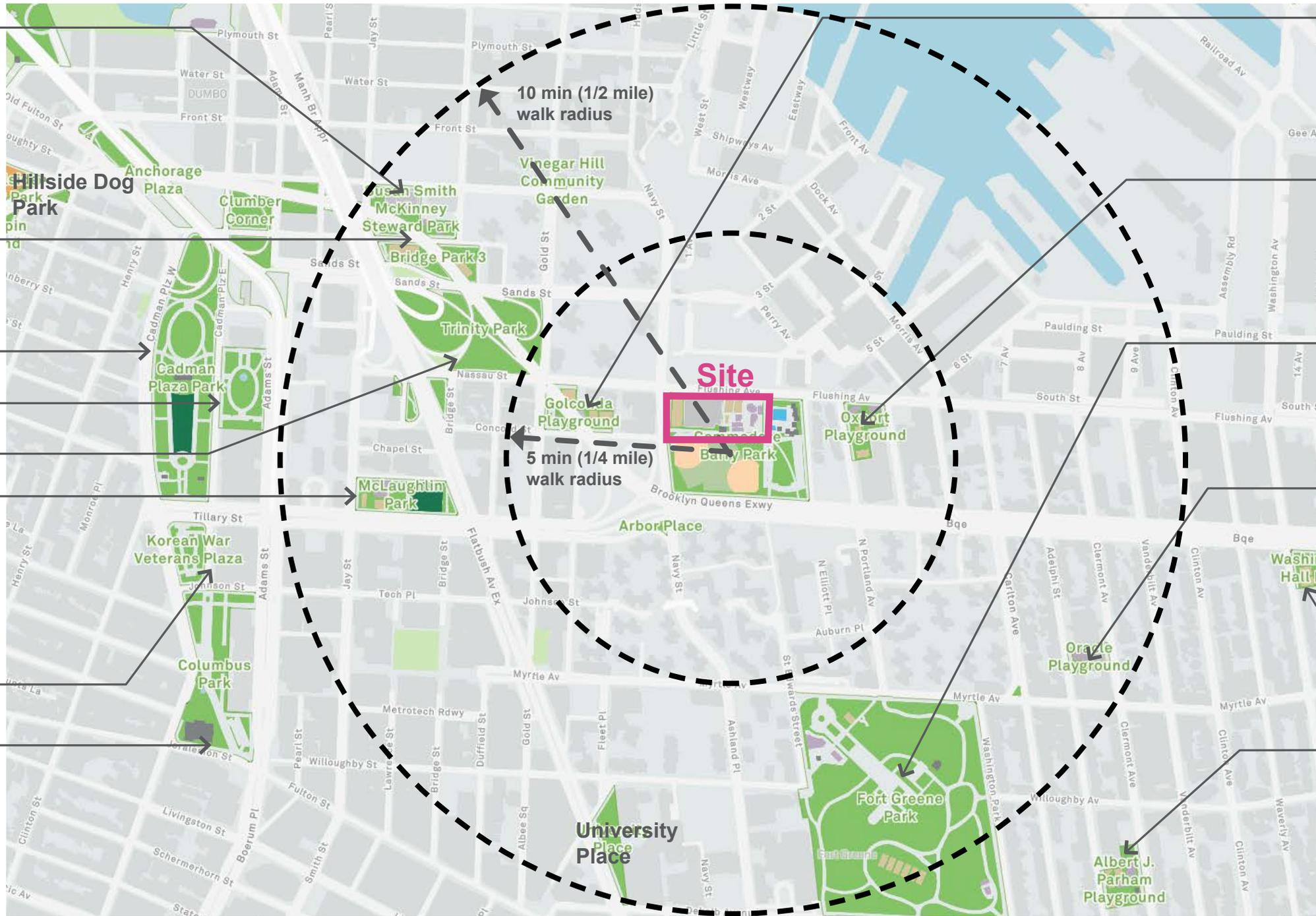
Oxport Playground
Fitness Equipment
Tennis Court
Basketball (2)
Play Equipment
Spray Shower

Fort Greene Park
Handball (6)
Basketball (1)
Public Restroom (2)
Play Equipment

Oracle Playground
Basketball (2)
Public Restroom (2)
Play Equipment

Washington Hall Park
Basketball (2)
Handball (4)
Public Restroom (2)
Play Equipment

Albert J. Parham Play-ground
Basketball (1)
Handball (2)
Public Restroom
Play Equipment
Picnic Tables



Commodore Barry Park | Neighborhood Context

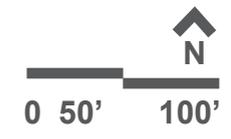


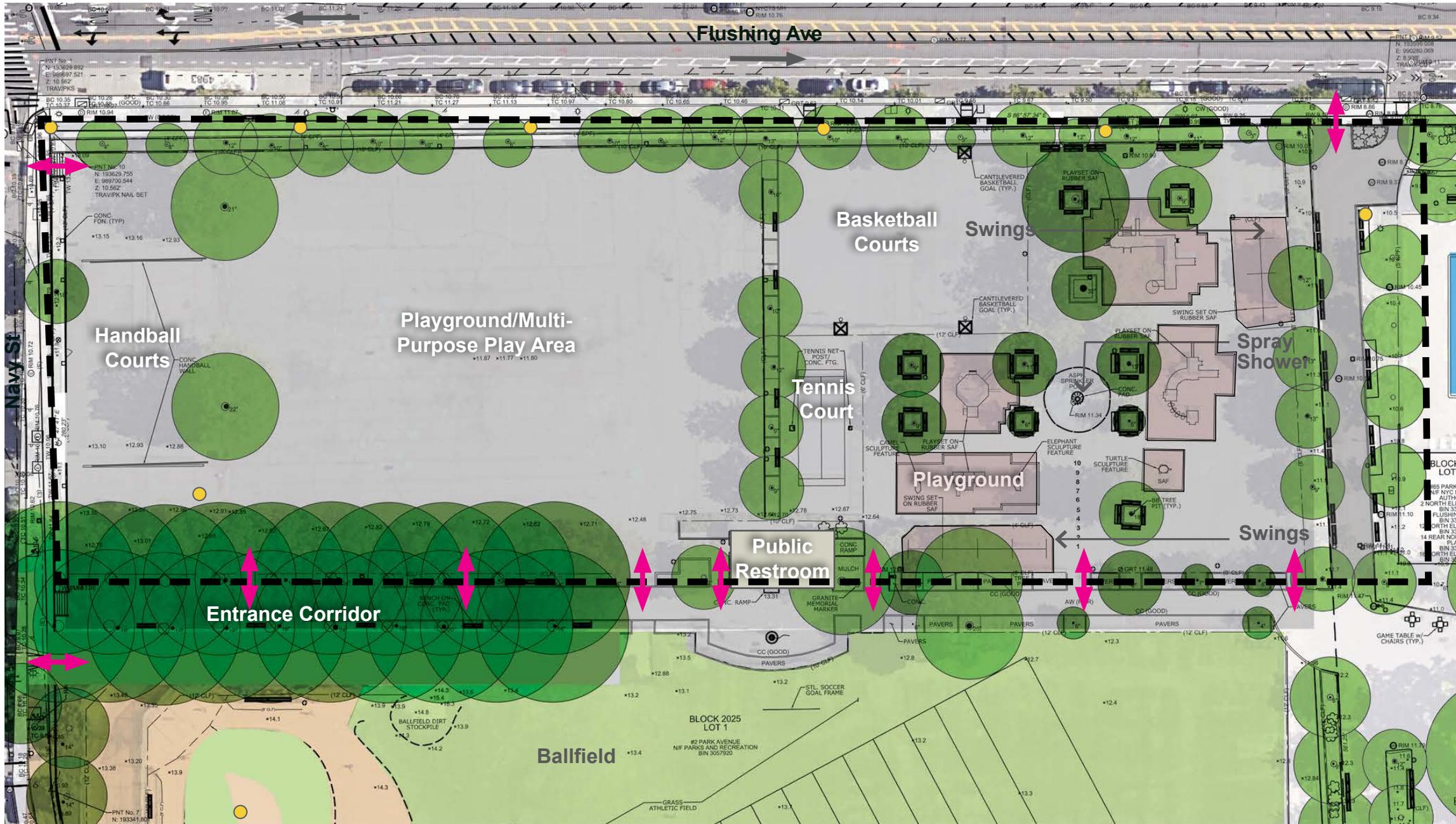


- ### Legend
- Project Limit
 - ▶ Future Entrance
 - ▶ Gated Entrance
 - Landscape Boulder
 - 1964 World's Fair Bench
 - Companion Seating
 - Game Table and Benches
 - Trash Receptacle
 - Bike Rack
 - Cafe Table and Chairs
 - Asphalt Block Pavers
 - Concrete Pavement
 - Canopy Tree
 - Small Tree
 - Evergreen Tree
 - Flowering Tree
 - Site Pole Lighting
 - Sports Lighting



Commodore Barry Park | 2019 Master Plan





Legend

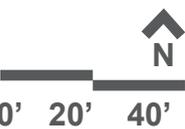
- Project Limit
- Park Entrance
- Play Equipment
- Building or Structure
- Asphalt Pavement
- Reinforced Concrete
- Tree
- Parks Lightpole
- Drinking Fountain
- Traffic

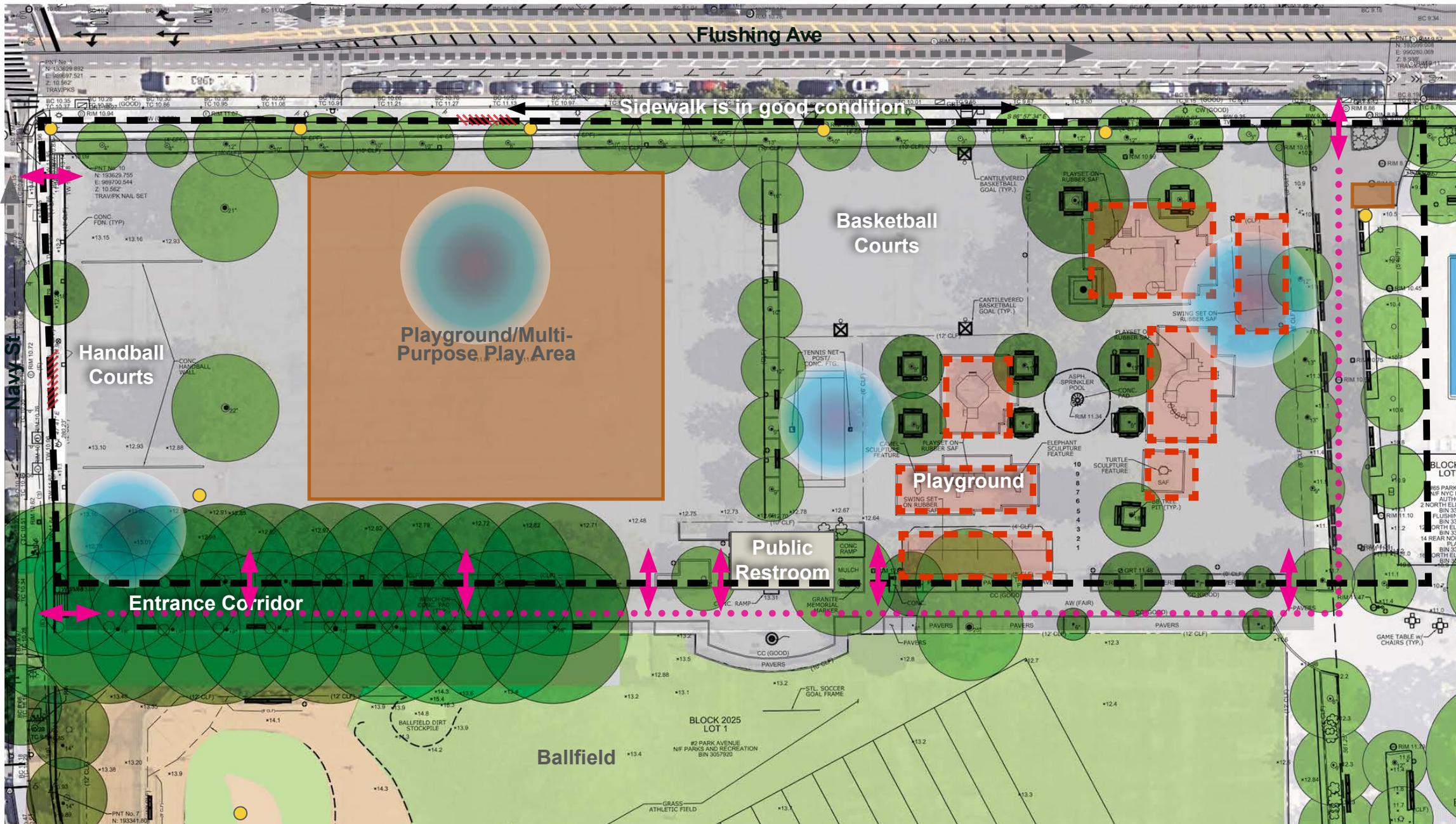
Park Tree Canopy Information

25.4% Parkland Canopy Cover
2.9% Canopy Change 2010-2017

Heat Vulnerability Index

Site is not in high HVI area.





Legend

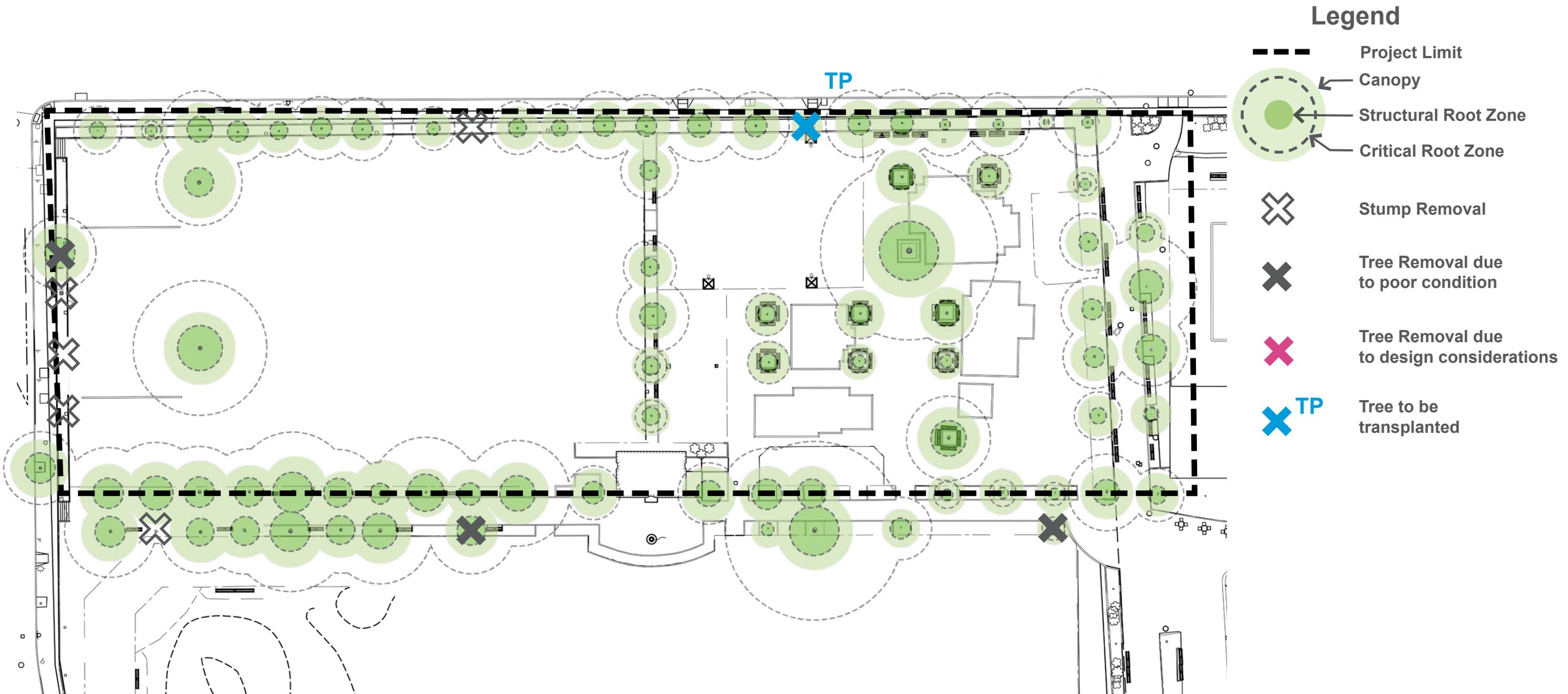
- Project Limit
- Park Entrance
- Pedestrian Traffic
- Heavy Vehicle Traffic
- Wall/Curb in poor condition
- Outdated play equipment & safety surface
- Damaged asphalt
- Drainage Problem
- Tree Canopy/Shade



NYC Parks

Commodore Barry Park | Site Analysis





Legend

- Project Limit
- Canopy
Structural Root Zone
Critical Root Zone
- Stump Removal
- Tree Removal due to poor condition
- Tree Removal due to design considerations
- Tree to be transplanted

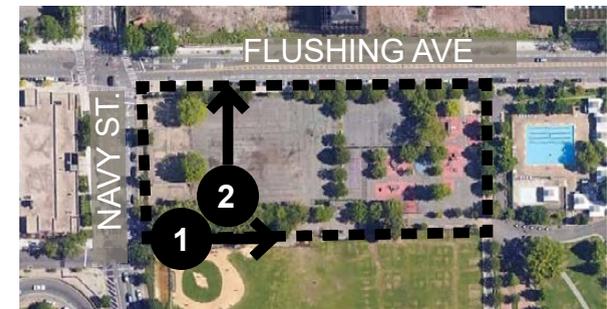




1 View east through tree allee



2 View north towards Flushing Ave



Key Plan





3 Existing Swings



4 Existing Play Structure



Key Plan



Commodore Barry Park | Existing Conditions



5 View north from Entrance Corridor



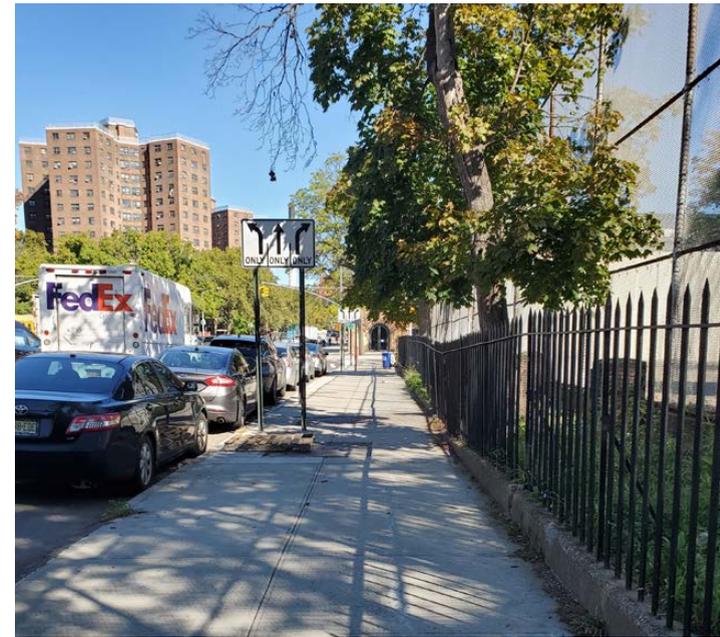
Commodore Barry Park | Existing Conditions



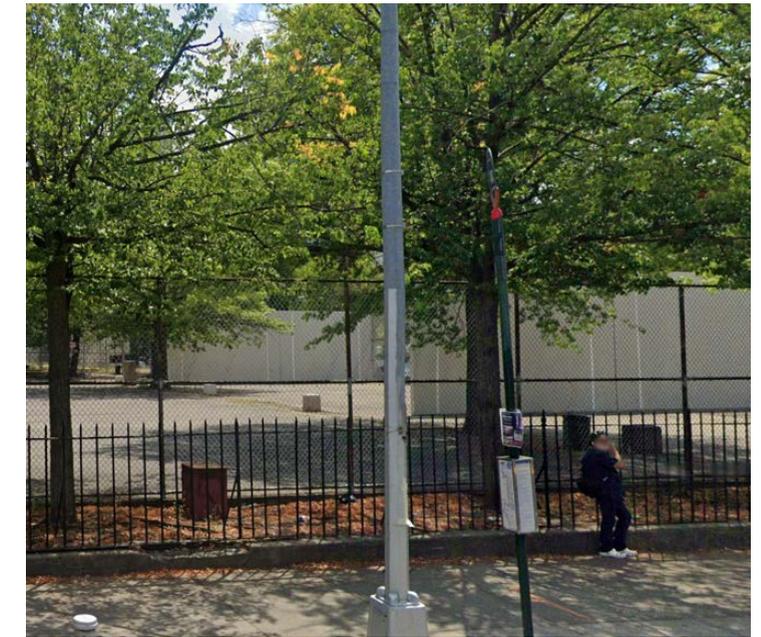
Key Plan



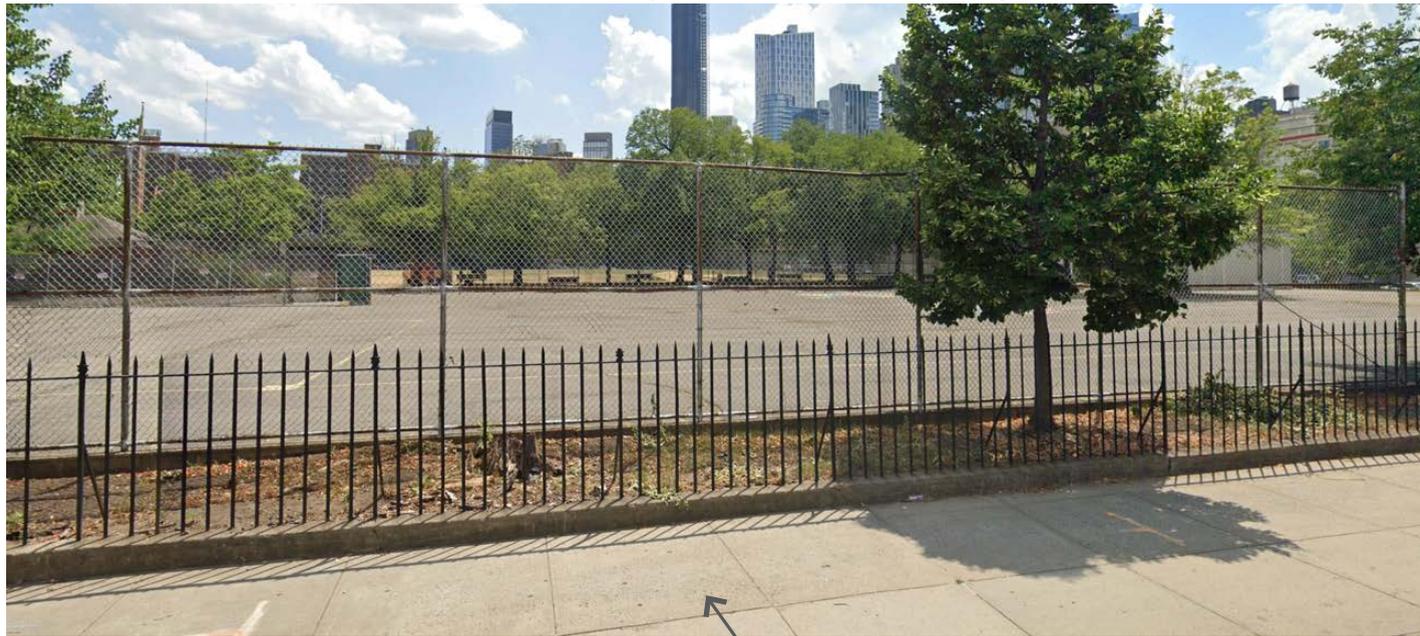
6 View east from corner of Navy St. and Flushing Ave



7 View north up Navy St.



8 View south from Flushing Ave

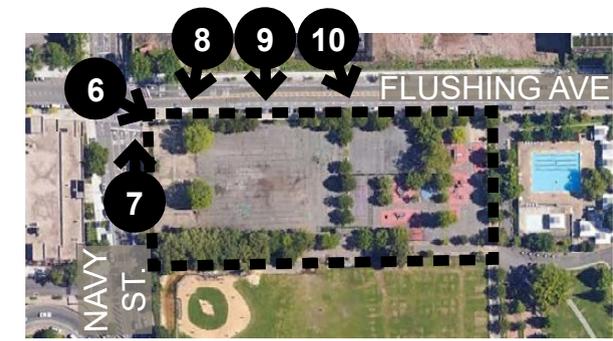


9 View south from Flushing Ave

Note: Sidewalks are in good condition - replacement is not necessary.



10 View south from Flushing Ave



Key Plan



NYC Parks

Commodore Barry Park | Existing Conditions



11 View south from Flushing Ave



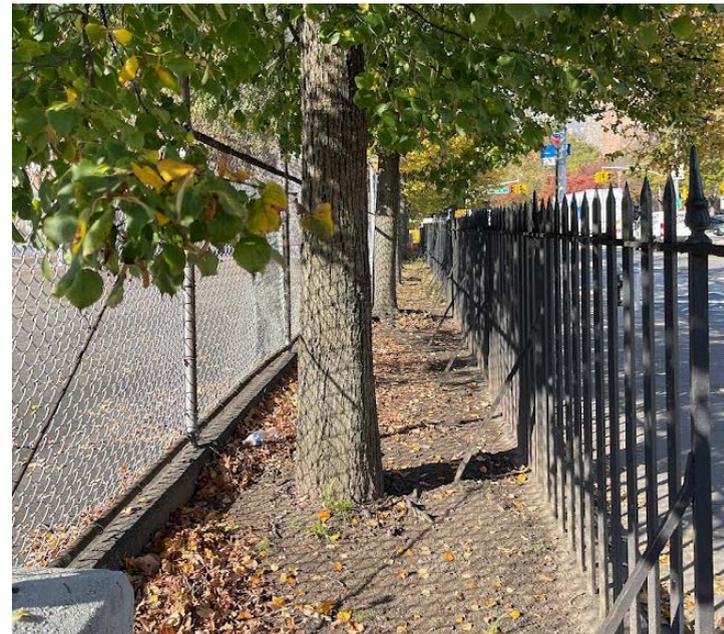
12 View south from Flushing Entry



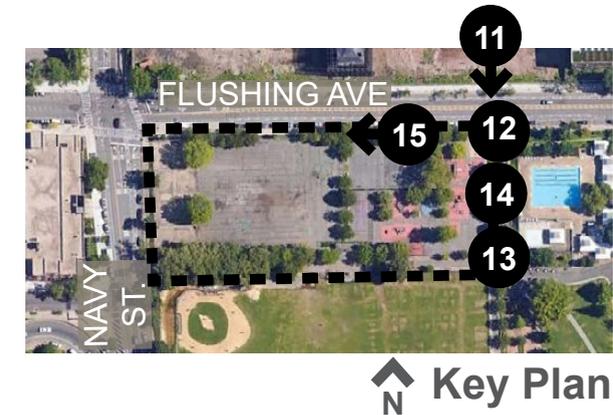
13 View of Asphalt Heaving



14 View of Seating along North / South Corridor



15 View along Flushing Ave

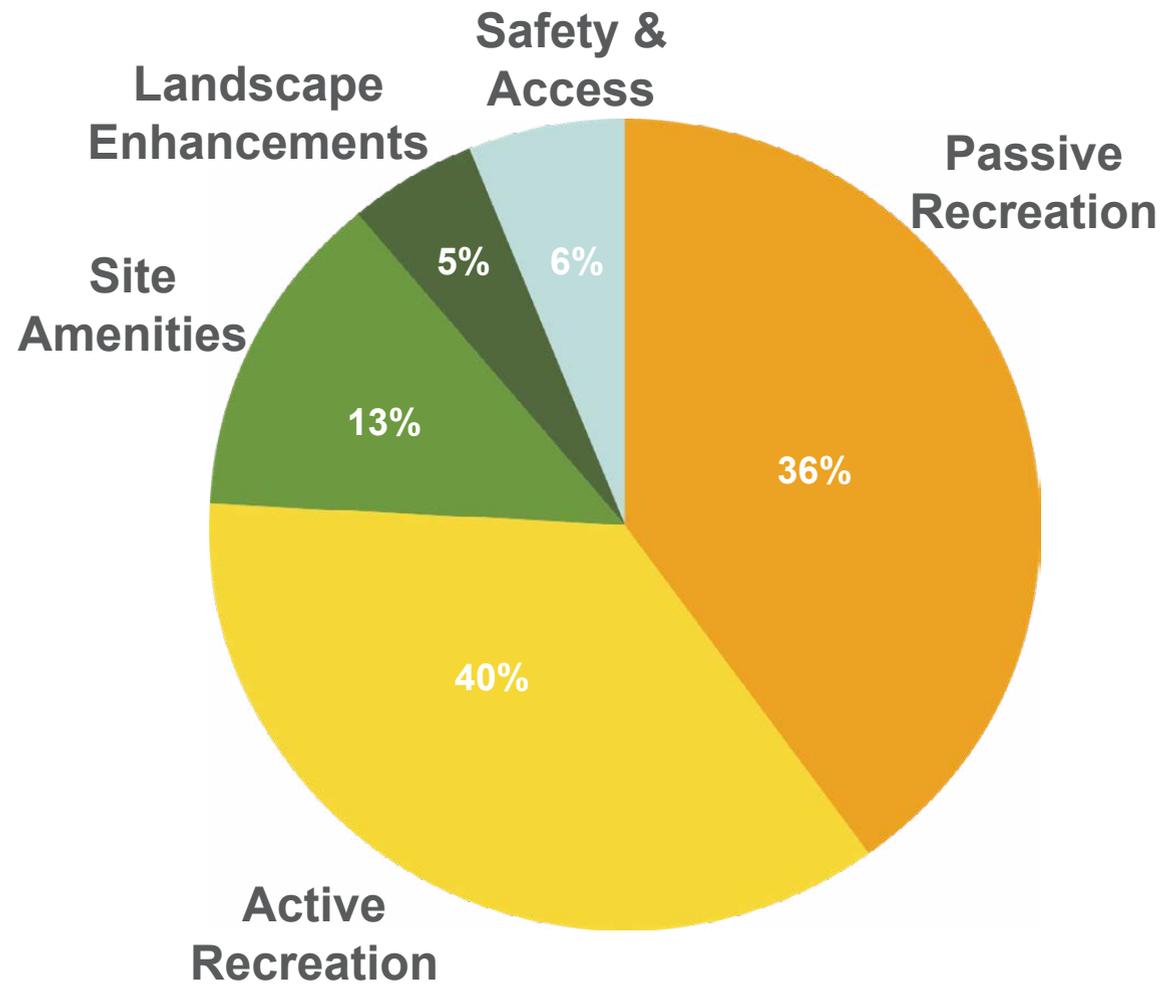


Key Plan



NYC Parks

Commodore Barry Park | Existing Conditions



Active Recreation

- Playground
- Splashpad
- Exercise Equipment
- Multi-Use Court
- Dog Run
- Basketball Courts
- Skateboard Park
- Painted Games

Passive Recreation

- Flexible Open Space
- BBQ Area
- Picnic Seating Area
- Gathering Space
- Entertainment

Site Amenities

- Stormwater Drainage
- Seating
- Drinking Fountain
- Bottle Fillers
- Rat Resistant Trash Receptacles
- Game Tables

Safety & Access

- Improved Lighting
- Access/Better Entryways
- Wayfinding

Landscape Enhancements

- Native Plants
- Natural Grass



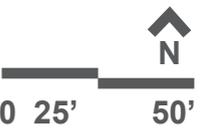


Legend

- Limit of Work
- Future Entrance
- Asphalt Block Pavers
- Concrete Pavers
- Asphalt
- Adult / Teen Fitness
- Safety Surface Tiles
- Receptacle Enclosure
- Cafe Table and Chairs
- Game Table and Chairs
- Tot Table
- Bench
- Bike Rack
- Trash Receptacles
- Relocated Plaque
- Drinking Fountain
- Light Pole
- Existing Tree
- + Proposed Tree



Commodore Barry Park | Schematic Design Plan





Legend

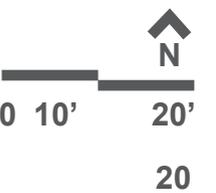
-  Limit of Work
-  Asphalt Block Pavers
-  Concrete Pavers
-  Asphalt
-  Adult / Teen Fitness
-  Safety Surface Tiles
-  Receptacle Enclosure
-  Cafe Table and Chairs
-  Game Table and Chairs
-  Tot Table
-  Bench
-  Bike Rack
-  Trash Receptacles
-  Relocated Plaque
-  Drinking Fountain
-  Light Pole
-  Existing Tree
-  Proposed Tree

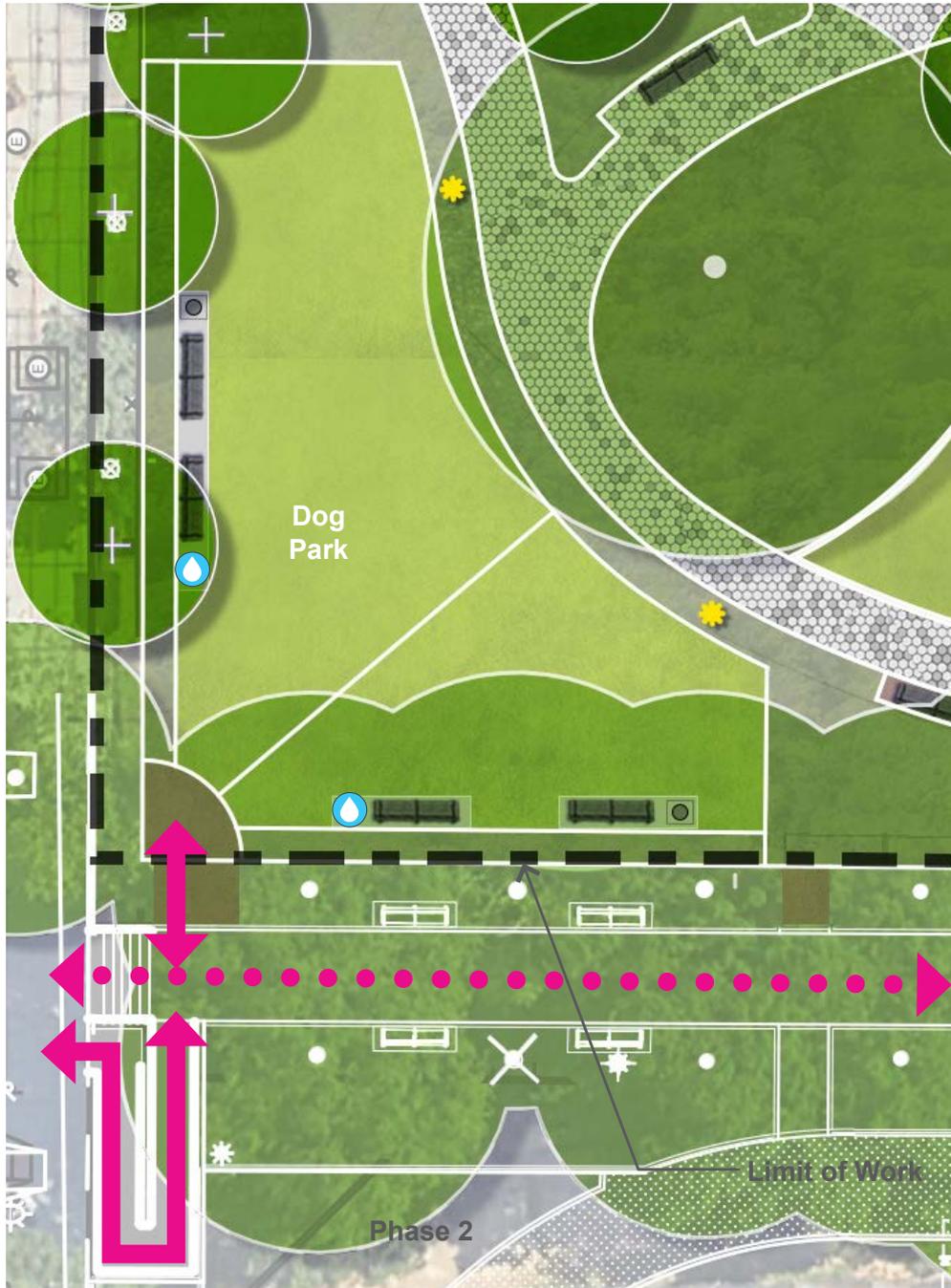
Enlargement - Playground Fall Zones



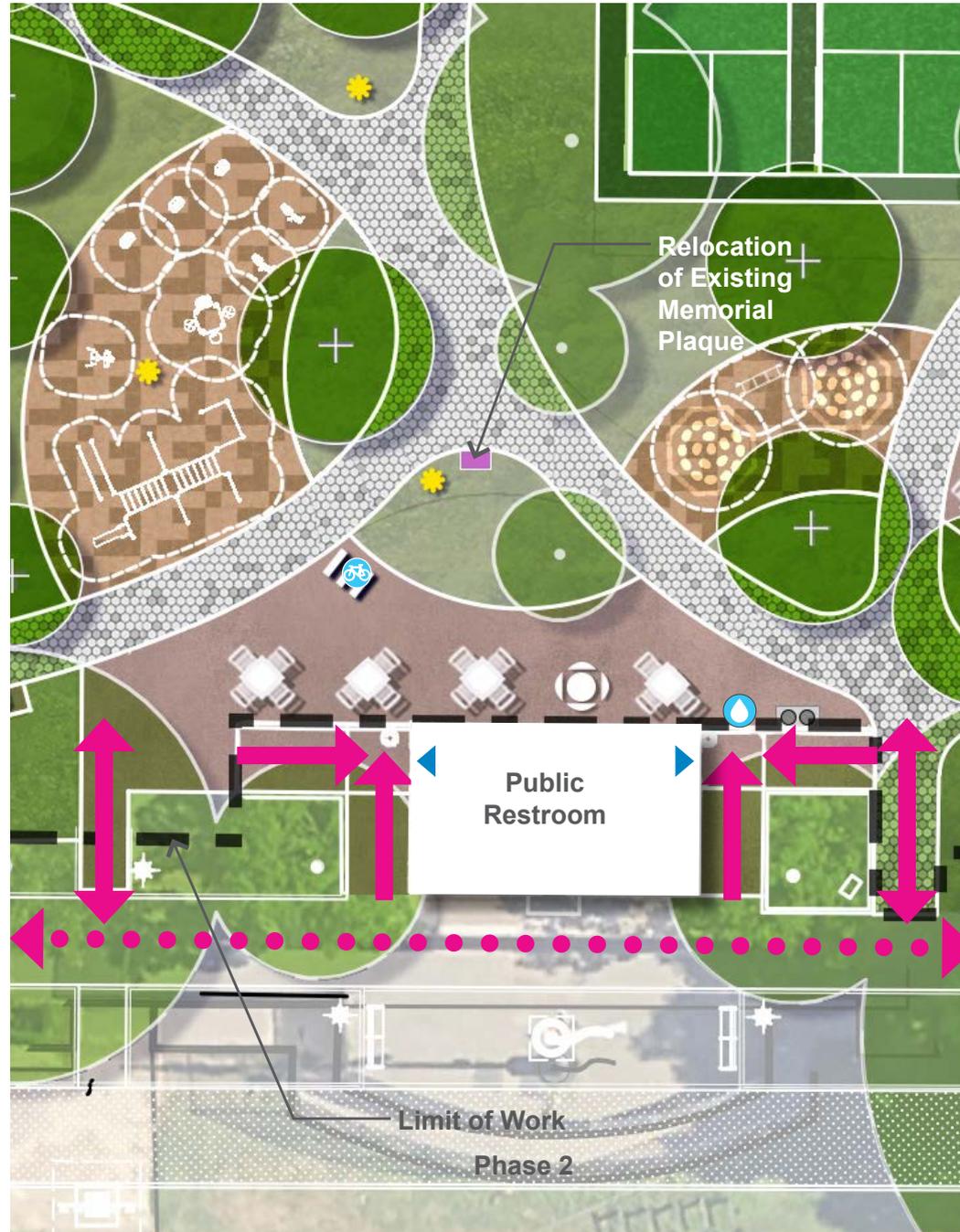
NYC Parks

Commodore Barry Park | Schematic Design Plan Enlargements





Enlargement - Dog Run Entrance



Enlargement - Restroom Entrances and ADA Ramps

Legend

-  Limit of Work
-  Future Entrance
-  Asphalt Block Pavers
-  Concrete Pavers
-  Asphalt
-  Adult / Teen Fitness
-  Safety Surface Tiles
-  Receptacle Enclosure
-  Cafe Table and Chairs
-  Game Table and Chairs
-  Tot Table
-  Bench
-  Bike Rack
-  Trash Receptacles
-  Relocated Plaque
-  Drinking Fountain
-  Light Pole
-  Existing Tree
-  Proposed Tree



NYC Parks

Commodore Barry Park | Schematic Design Plan Enlargements





Project Standard

Bench Seating

Item: 1939 World's Fair Bench with Integral Arms
 Manufacturer: Kenneth Lynch & Sons
 Material: Powder coated black steel frame with RPL slats
 Color/Finish: Oak RPL - Confirm Material



Parks Standard

Bike Rack

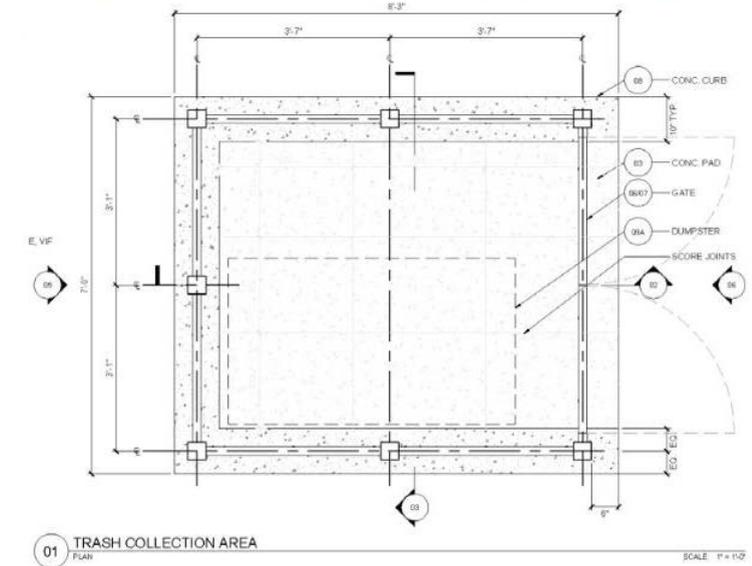
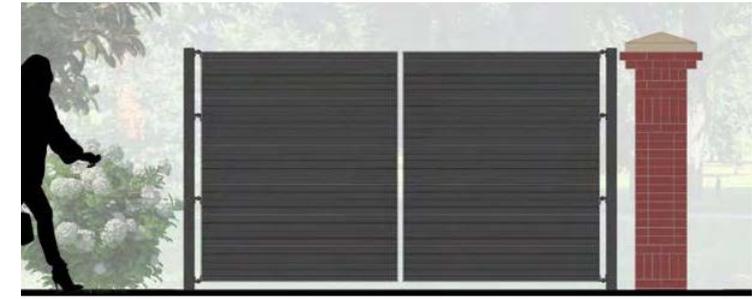
Item: NYCityRack
 Manufacturer: Campbell Foundry
 Material: Galvanized
 Color/Finish: Polished



Parks Standard

Trash Receptacle

Item: Public Space Trash Receptacle
 Manufacturer: Maglin Site Furniture
 Material:
 Color/Finish: Gunmetal Grey or Graphite



Parks Standard

Trash Enclosure

Item: Trash Collection Area
 Manufacturer: Orsogril



Project Standard

Pedestrian Lighting

Item: Type B Luminaire and Pole
 Manufacturer:
 Material:
 Color/Finish: Powdercoat black



Parks Standard

Wicket Fence

Item: Wicket Fence - 12" Height
 Manufacturer:
 Material:
 Color/Finish: Black



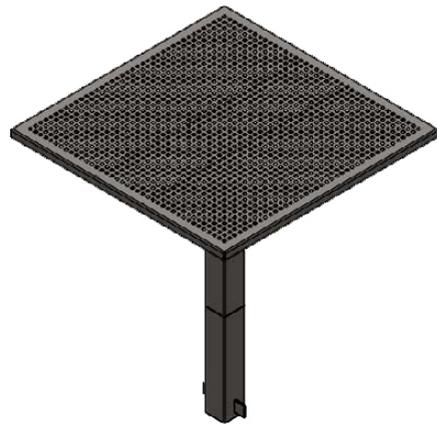
Parks Standard

Pipe Rail Fence

Item: Pipe Rail Fence - Type B (1'-4" One Rail)
 Manufacturer:
 Material:
 Color/Finish: Black



NYC Parks



Parks Standard

Cafe Table

Item: Saxony Table 42" SQ Perf Embedded
 Manufacturer: Keystone Ridge Designs
 Material: Steel
 Color/Finish: Black Powdercoat



Parks Standard

Cafe Seating

Item: Custom Alternative to E Chairs
 Manufacturer: Keystone Ridge Designs
 Material: Steel
 Color/Finish: Yellow Powdercoat



Parks Standard

Tot Picnic Tables

Item: Custom Puddin Drippins
 Manufacturer: Keystone Ridge Designs
 Material: Steel
 Color/Finish: Yellow Powdercoat



Parks Standard

Game Tables

Item: Concrete Chess Table
 Manufacturer: Kenneth Lynch & Sons
 Material: Concrete
 Color/Finish: Concrete with graffiti resistant coating



Parks Standard

Drinking Fountain Type 'E' (HI-LO)

Item: New York Drinking Fountain - Two Bowls
 Manufacturer: Canterbury Designs
 Material: Ductile Iron
 Color/Finish: Black Polyester Powder Coat



Colored Concrete

Item: Bench Pads, Playground
 Manufacturer: Scofield Integral Color, or approved equal
 Color/Finish: C-17 Earth Stone / Light Broom Finish



Multi-use Courts & Basketball Courts Surfacing

Item: Color Seal Coat System
 Manufacturer: Laykold by Advanced Polymer Technology, or approved equal
 Color/Finish: Grass Green (inside) & Dark Green (Outside)





A80044

General Pathway Paving Blend

Item: Asphalt Block Paver
 Manufacturer: Hanover
 Dimension: Hexagonal
 Color/Finish: A80044 and A8002 - Ground Tudor Finish



Sandstone Color - Premier Finish



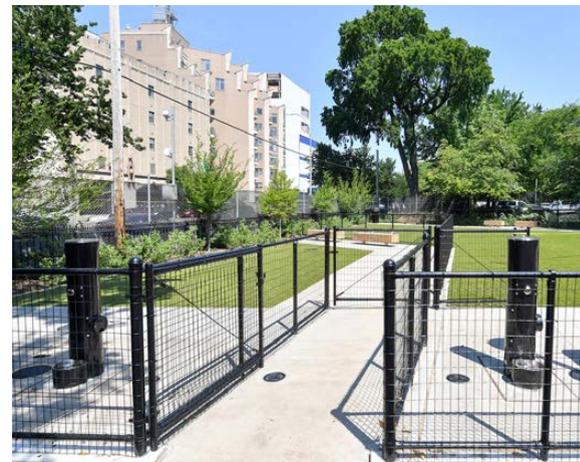
Eco Terra Artline Shown for Pattern Only

Seating Area Paver

Item: Eco TERRA - Artline Paver - Cement-free Face-mix; Reduction of CO2
 Manufacturer: Unilock, or approved equal
 Dimensions: 4 7/8" x 6 3/4" x 2 3/4"; 4 7/8" x 13 3/8" x 2 3/4"; 7 1/2" x 8 7/8" x 2 3/4"; 7 1/2" x 17 3/4" x 2 3/4"; 4 7/8" x 10 3/8" x 2 3/4"; 4 7/8" x 17 3/4" x 2 3/4"; 7 1/2" x 13 3/8" x 2 3/4"
 Color/Finish: Premier Smooth in Sandstone Color



Stepping stone games - Color Seal
 Colors: Red, Orange, and Yellow



Dog Park - Pet Turf

Item: Synthetic Turf
 Manufacturer: SYNTurf, or approved equal
 Color/Finish: SYNTipede 243, or approved equal



Tile Safety Surface

Item: EZ Fall Safety Surfacing
 Manufacturer: Mitchell Rubber Products inc. or approved equal
 Color/Finish: Standard Green, Standard Gray, Standard Tan, or approved equal

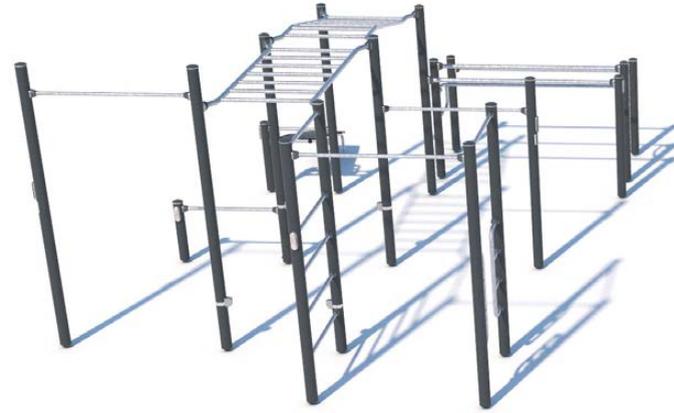
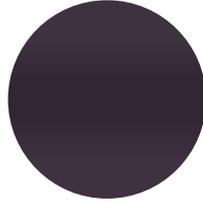
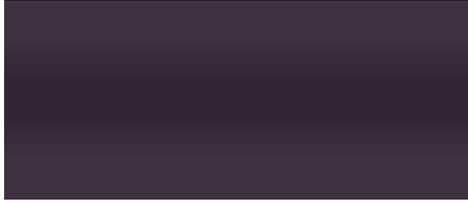


Tile Safety Surface

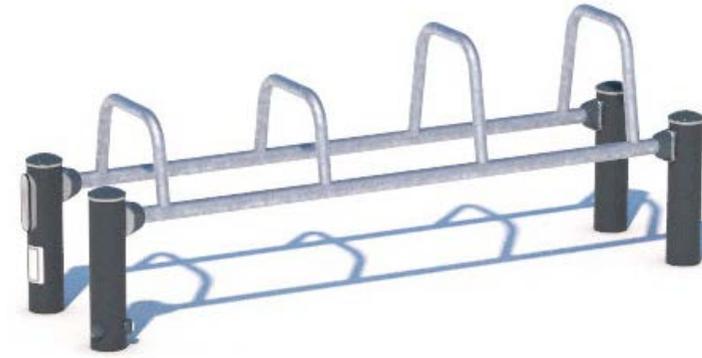
Item: duraSAFE
 Manufacturer: sofSURFACES, or approved equal
 Color/Finish: Sedona, Sierra Brown, Safari, Granite, or approved equal



Equipment Color - Anthracite



Custom Pull Up Equipment - Kompan



Dip Bench - Kompan



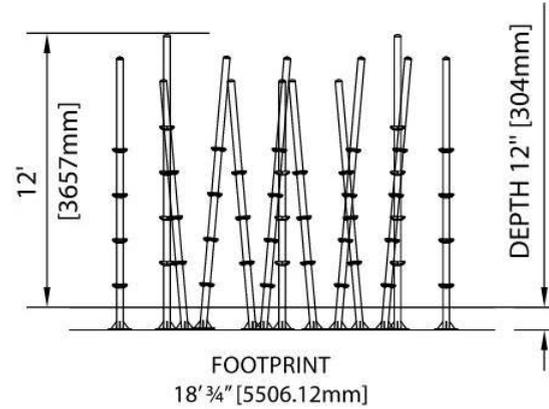
Arm Bike Pro - Kompan



Lower Back Bench Pro - Kompan



8", 16", 24" Step in PU Steel - Kompan



Bamboo Jungle - Treffit



Adult Fitness

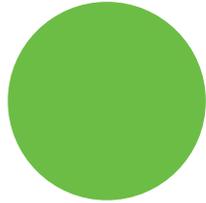
Teen Fitness



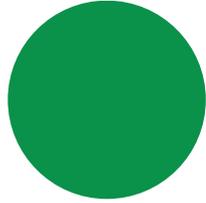
NYC Parks

Commodore Barry Park | Outdoor Fitness

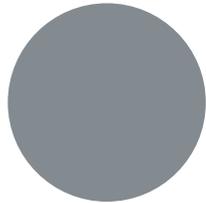
Equipment Color



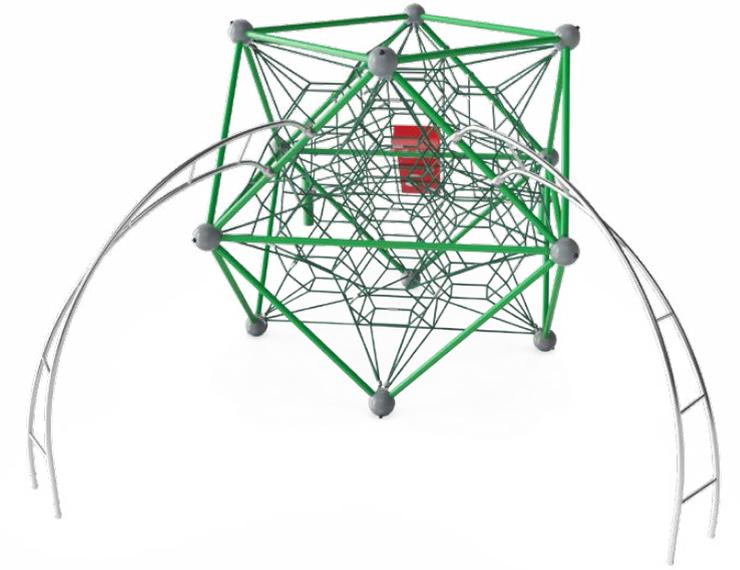
Lime Green



Medium Green



Medium Grey

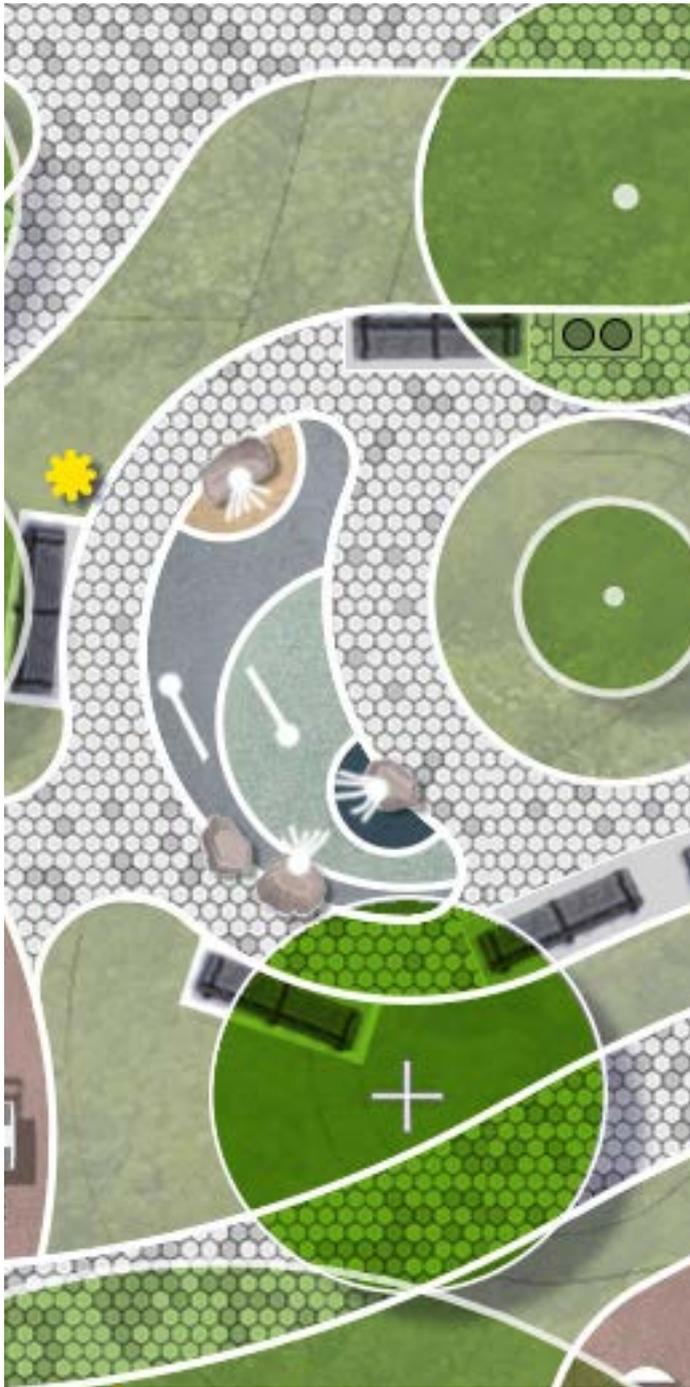


2-5 Play Structure - Kompan

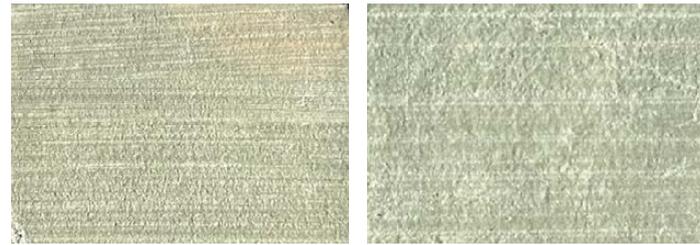
5-12 Play Structure - Kompan

Climber Structure - Kompan





Boulder mounted spray features



Spray Shower

Item: Colored Concrete
 Manufacturer: Scofield Integral Color, or approved equal
 Color/Finish: Shadow Slate & Muted Green / Light Broom Finish

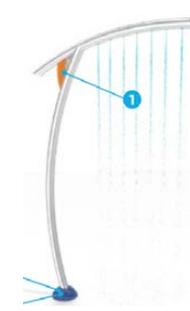


Overhead spray feature



Landscape Boulders

Item: Landscape Boulders
 Manufacturer: Champlain Stone, or approved equal
 Material: Corinthian Granite



Bamboo Rain

H/W/L	Pressure
119/77/10 in 302/195/25 cm	5-10 PSI 0.3-0.7 BAR

Flow	Smartflow
5-14 GPM 18.9-53.0 LPM	-
Color: Silver Powdercoat	

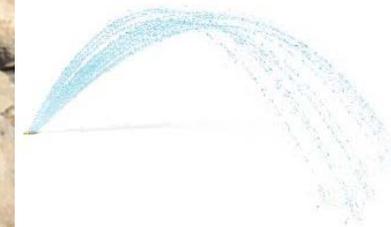


ACTIVATOR N°3

VOR 0611

Dimensions
 39×14×14 in
 99×36×36 cm

Boulder Water Features



ROOSTER TAIL

VOR 0303

Dimensions
 0×4.5×4.5 in
 0×11×11 cm

Pressure
 8-10 PSI
 0.5-0.7 BAR

Flow
 8-10 GPM
 30-38 LPM



WAVE

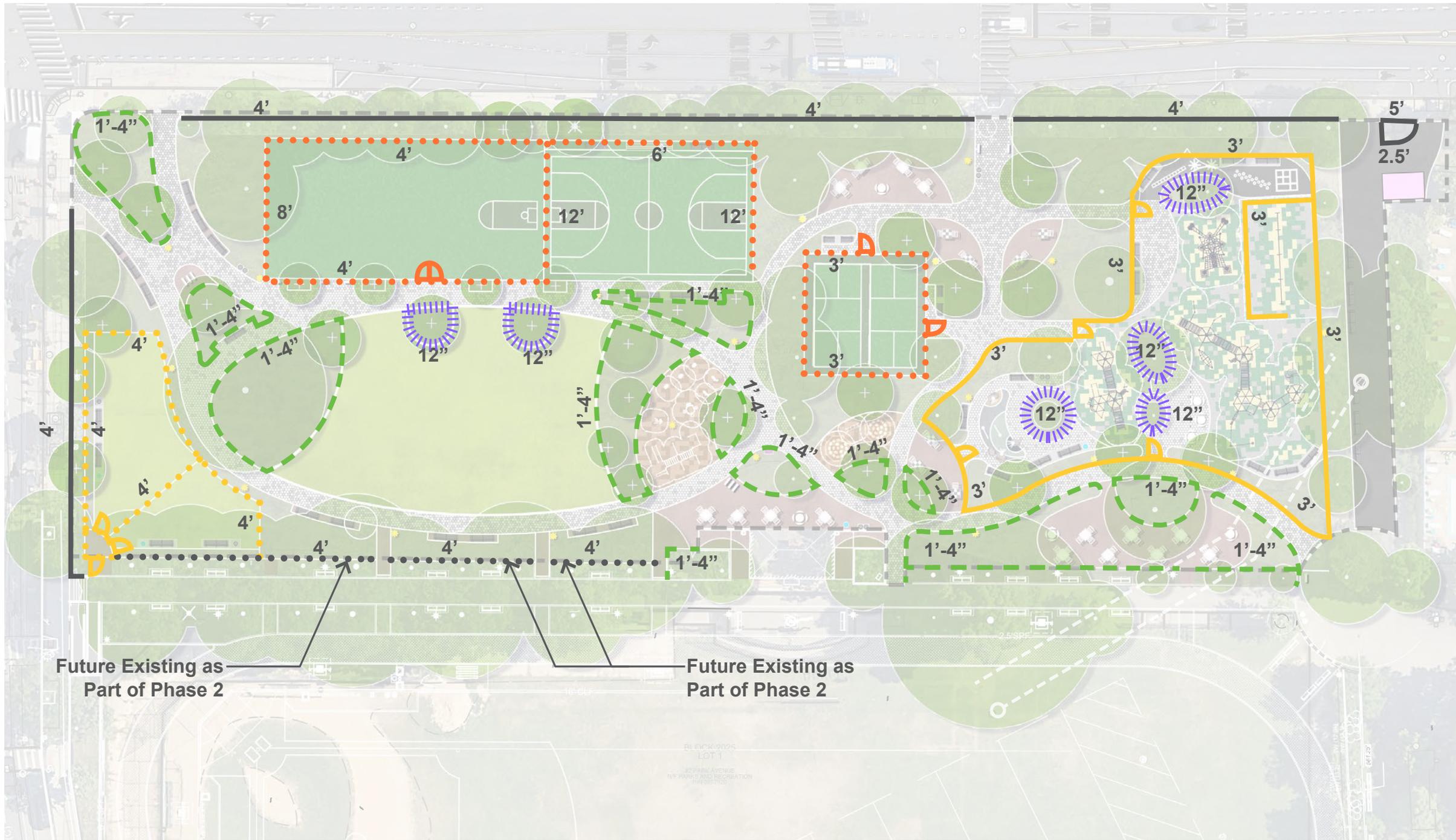
VOR 0327

Dimensions
 0×4.5×4.5 in
 0×11×11 cm

Pressure
 1-4 PSI
 0.1-0.3 BAR

Flow
 4-7 GPM
 15-26 LPM





LEGEND

- EXISTING FENCES**
 x' CLF
 x' STEEL
- TALL / SPORT FENCES 3' - 16' HT.**
 x' CLF
- MEDIUM FENCES 3' - 7' - 6" HT.**
 x' CLF
 x' STEEL
- LOW FENCES/ HANDRAILS 12" - 3' - 6" HT.**
 x' PIPE RAIL FENCE - TYPE B (ONE RAIL)
- LOW PLANT RAIL/ PROTECTION FENCES 1' - 0" - 1' - 6" HT.**
 x' STEEL WICKET

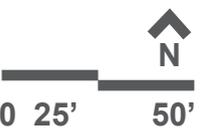
Future Existing as Part of Phase 2

Future Existing as Part of Phase 2



NYC Parks

Commodore Barry Park | Fence Diagram



TREES



Acer rubrum
Red Maple



Gleditsia triacanthos
Honeylocust



Liquidambar styraciflua
Sweetgum



Magnolia virginiana
Sweetbay Magnolia



Quercus bicolor
Swamp White Oak



Quercus rubra
Northern Red Oak

SHRUBS



Hamamelis x intermedia
Winter Witchhazel



Rhus aromatica
Fragrant Sumac



Clethra alnifolia
Summersweet



Rosa virginiana
Virginia Rose



Hydrangea quercifolia
Oak Leaf Hydrangea



Ilex glabra 'Shamrock'
Shamrock Inkberry

GRASSES & SEDGES



Pennisetum alopecuroides
Fountain grass



Carex pennsylvanica
Pennsylvania Sedge



Schizachyrium scoparium
Little Bluestem

GROUNDCOVERS & VINES



Ajuga reptans
Bugleweed

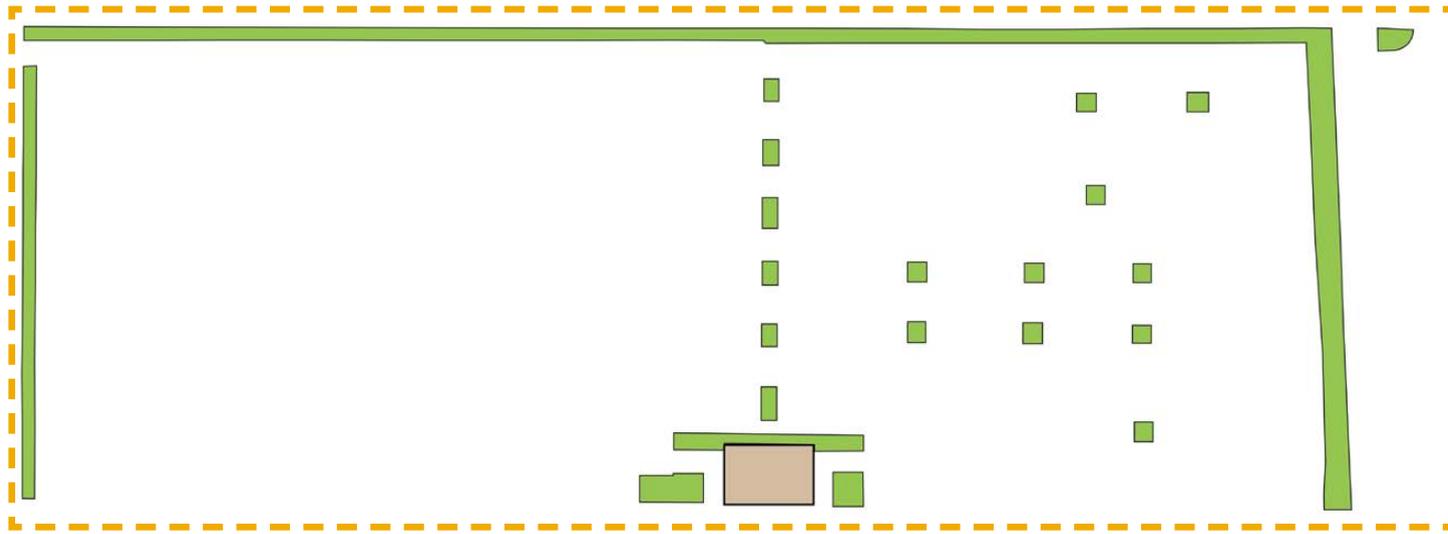


Liriope muscari
Lily Turf

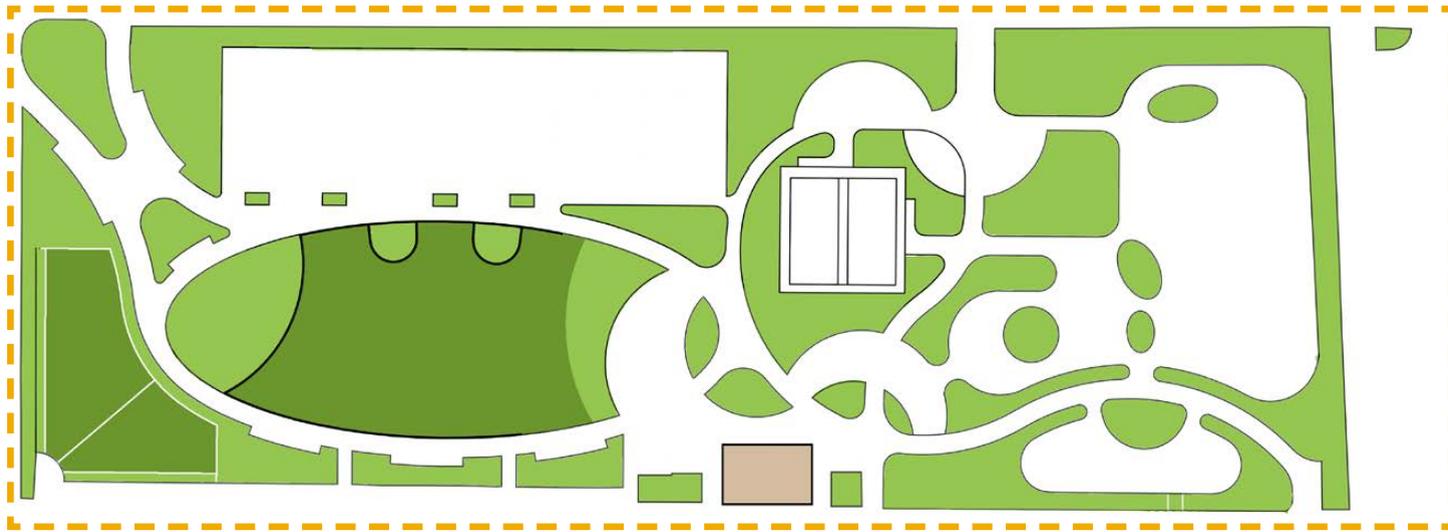


Parthenocissus quinquefolia
Virginia Creeper





Existing Permeability: 7.4%



Proposed Permeability: 49.4%

LEGEND

--- PROJECT LIMIT

■ PLANT BED

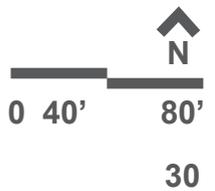
■ PERVIOUS SYNTHETIC TURF

SUSTAINABLE PRACTICES

- Increase permeable surfaces
- Balance cut and fill
- Use recycled content material
- Improve tree health and growing conditions
- Use site appropriate resilient plant material

DEP Unified Stormwater Rule (USWR) Requirement

USWR stormwater management and permitting is required for this project. USWR is required because more than 20,000 SF is being disturbed.





Commodore Barry Park | Perspective along Multi-use Lawn/Synthetic Turf looking East



Commodore Barry Park | Perspective at Flushing looking South



Commodore Barry Park | Bird's Eye of Multi-use Lawn/Synthetic Turf



Commodore Barry Park | Bird's Eye over Shaded Seating looking at the Playground



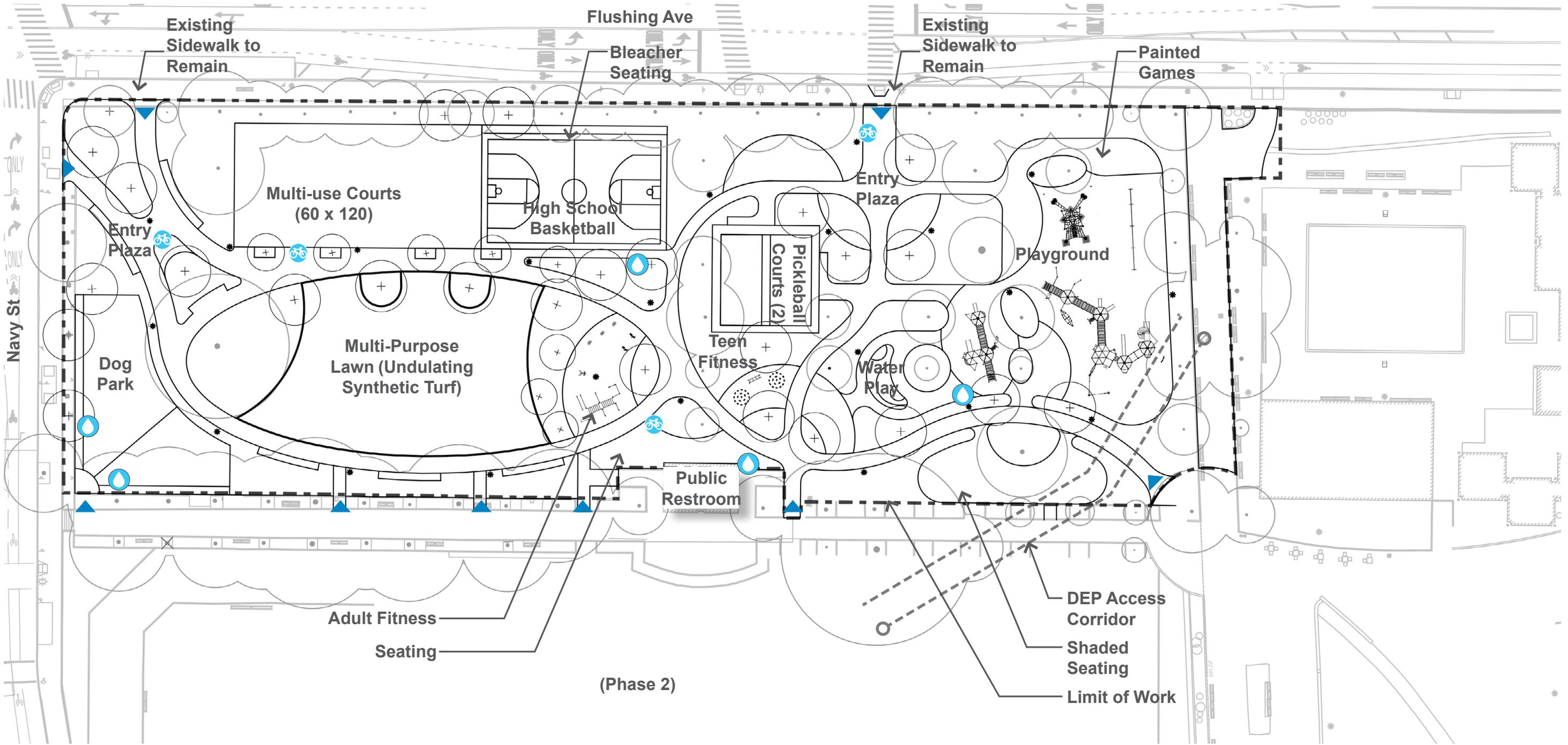
Legend

- Limit of Work
- Future Entrance
- Asphalt Block Pavers
- Concrete Pavers
- Asphalt
- Adult / Teen Fitness
- Safety Surface Tiles
- Receptacle Enclosure
- Cafe Table and Chairs
- Game Table and Chairs
- Tot Table
- Bench
- Bike Rack
- Trash Receptacles
- Relocated Plaque
- Drinking Fountain
- Light Pole
- Existing Tree
- Proposed Tree



Commodore Barry Park | Schematic Design Plan





Commodore Barry Park | Schematic Design Plan

