

RED HOOK SOCCER FIELDS 1 AND 6

Located on Bay Street between Clinton and Court Streets
in the Borough of Brooklyn

Total Budget: \$24.696 M, Mayoral

Project Size: 7.33 Acres

Public Design Commission - Final Review

November 16, 2020

Abel Bainnson Butz, LLP - TRC Engineers, Inc.

Parks Capital Design

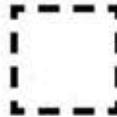


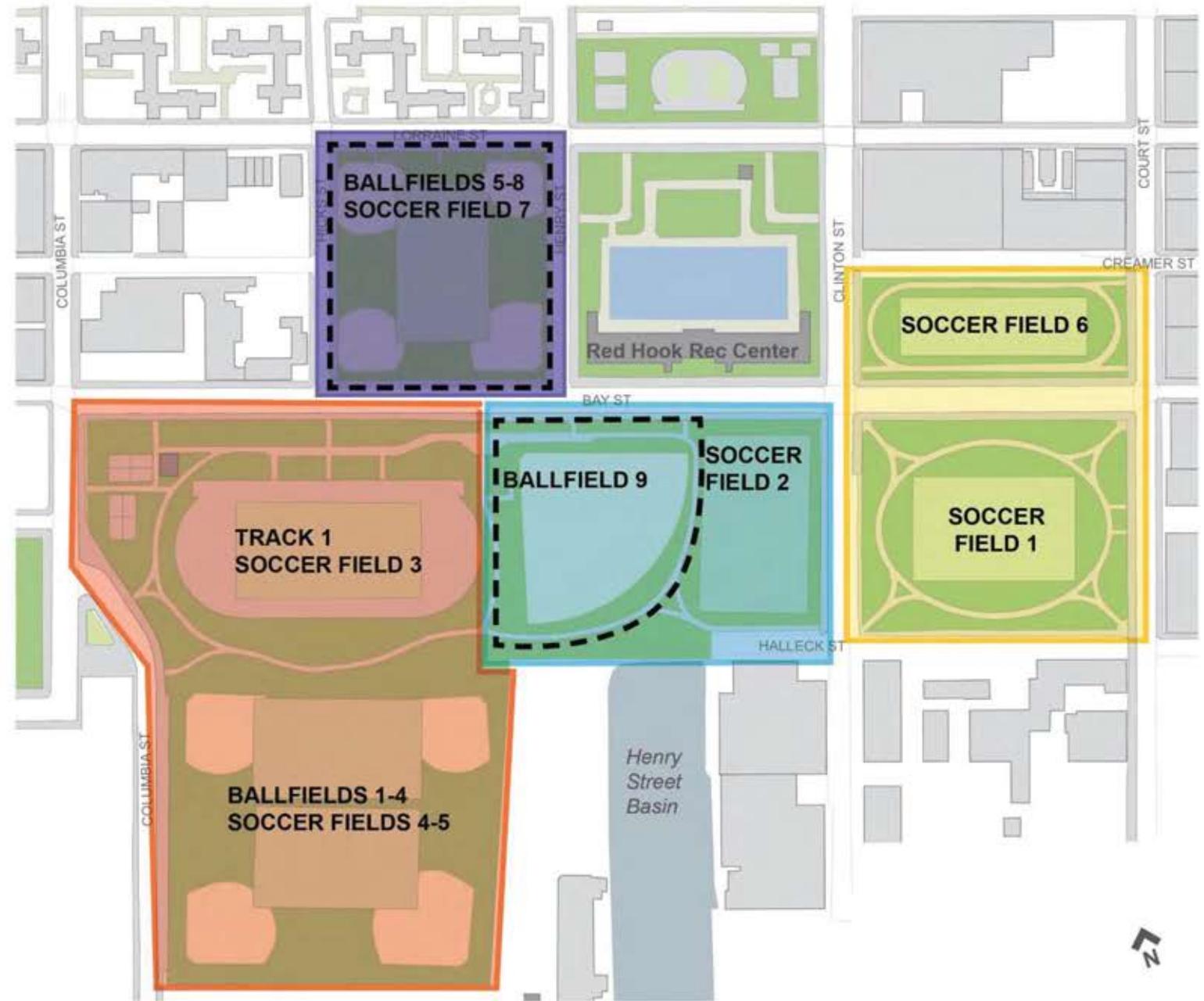
GOALS

- Meet the remediation requirements of NYS DEC and NYC DPR
- Provide sports fields and facilities that meet the community needs
- Develop a permanent and low maintenance design
- Use sustainable remedial and stormwater practices
- Improve Clinton Street ROW and Park access



CLEANUP TIMELINE

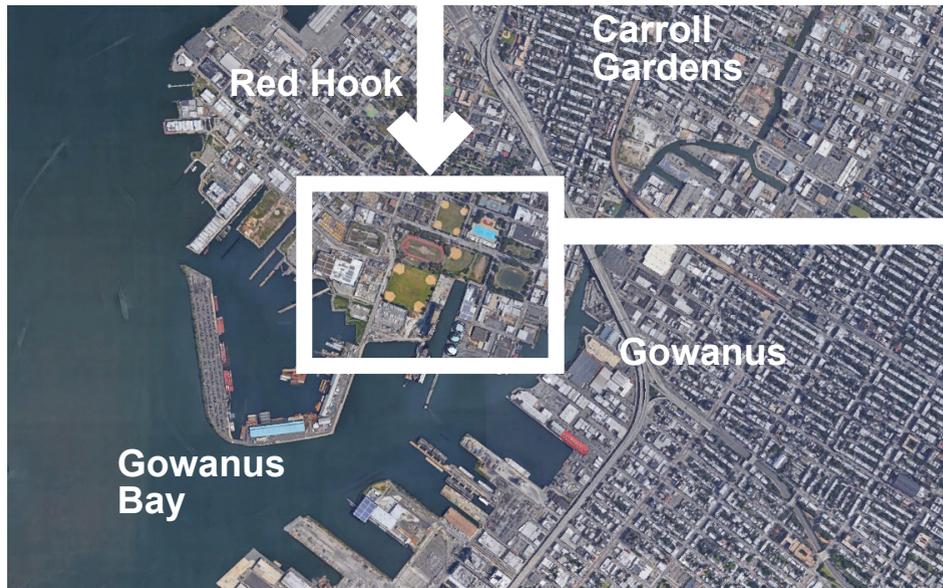
-  PHASE 1
In Construction
-  PHASE 2
In Construction
-  PHASE 3
In Procurement
-  PHASE 4
In Design
-  INCLUDED IN EPA CONSENT ORDER





Brooklyn

Borough



Red Hook

Carroll Gardens

Gowanus

Gowanus Bay

Neighborhood



Ballfields 5-8

Recreation Center/Pool

Track 1
Soccer Field 3

Ballfield 9

Soccer Field 6

Ballfields 1-4 &
Soccer Fields 4 & 5

Soccer Field 2

Soccer Field 1

Henry Street Basin

Site



NYC Parks



Abel Bainson Butz, LLP
LANDSCAPE ARCHITECTS | SITE PLANNERS

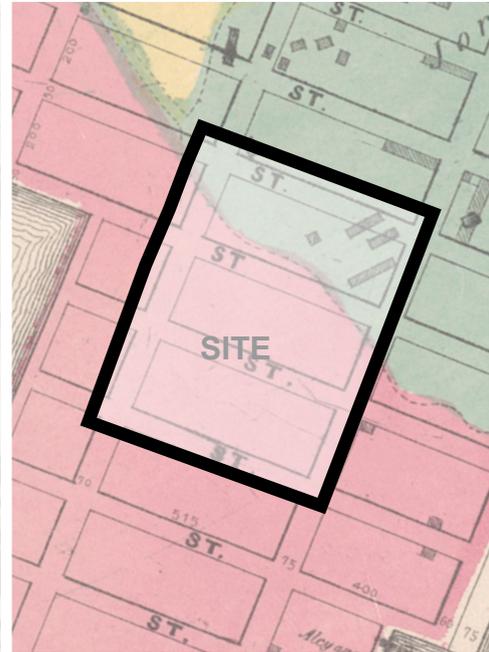


Red Hook Soccer Fields 1 and 6: Final Review
Site Location



Source: NYPL Digital Collection

1766-1767 *Taken from a Plan of the Town of Brooklyn and Part of Long Island*



Source: NYPL Digital Collection

1869 *Taken from a Map Encompassing Red Hook, Cobble Hill, Carroll Gardens and Gowanus Canal*



Source: NYCityMap

1924 *Aerial Photograph*



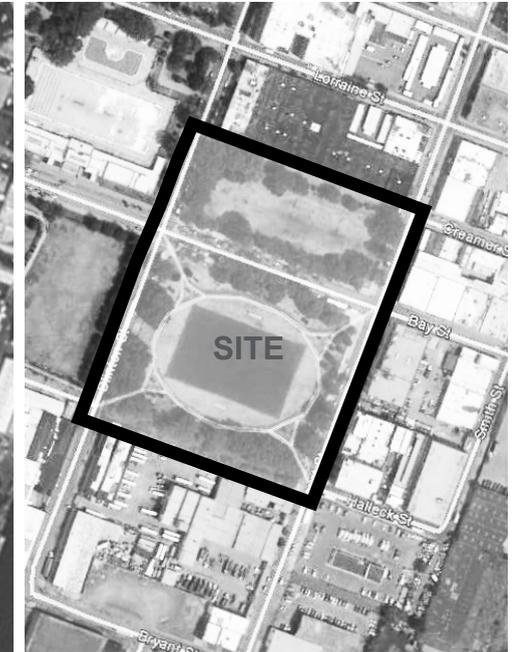
Source: EDR

1940 *Aerial Photograph*



Source: Google Earth

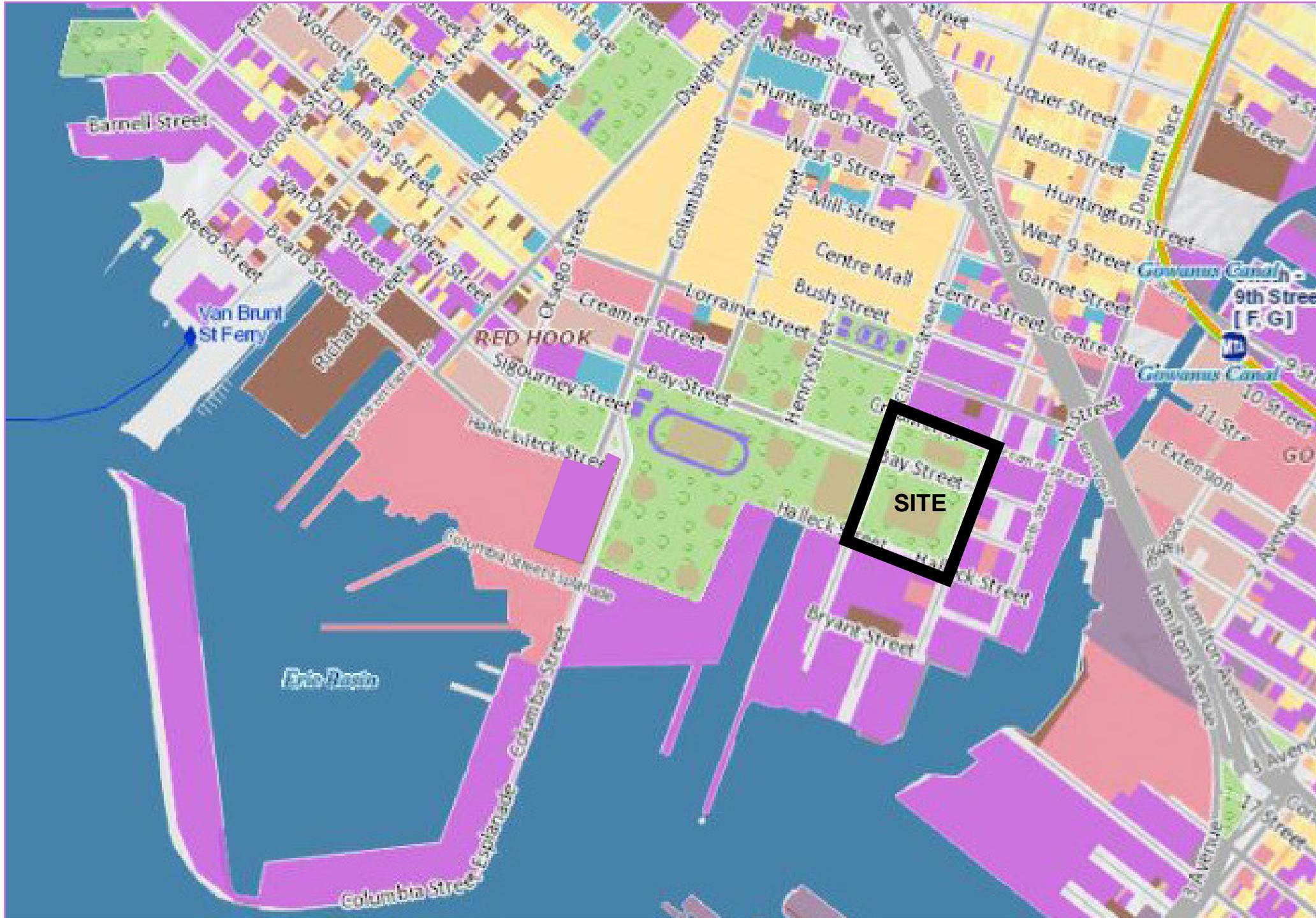
1995 *Aerial Photograph*



Source: Google Earth

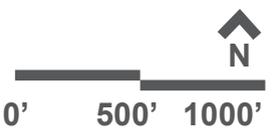
2017 *Aerial Photograph*

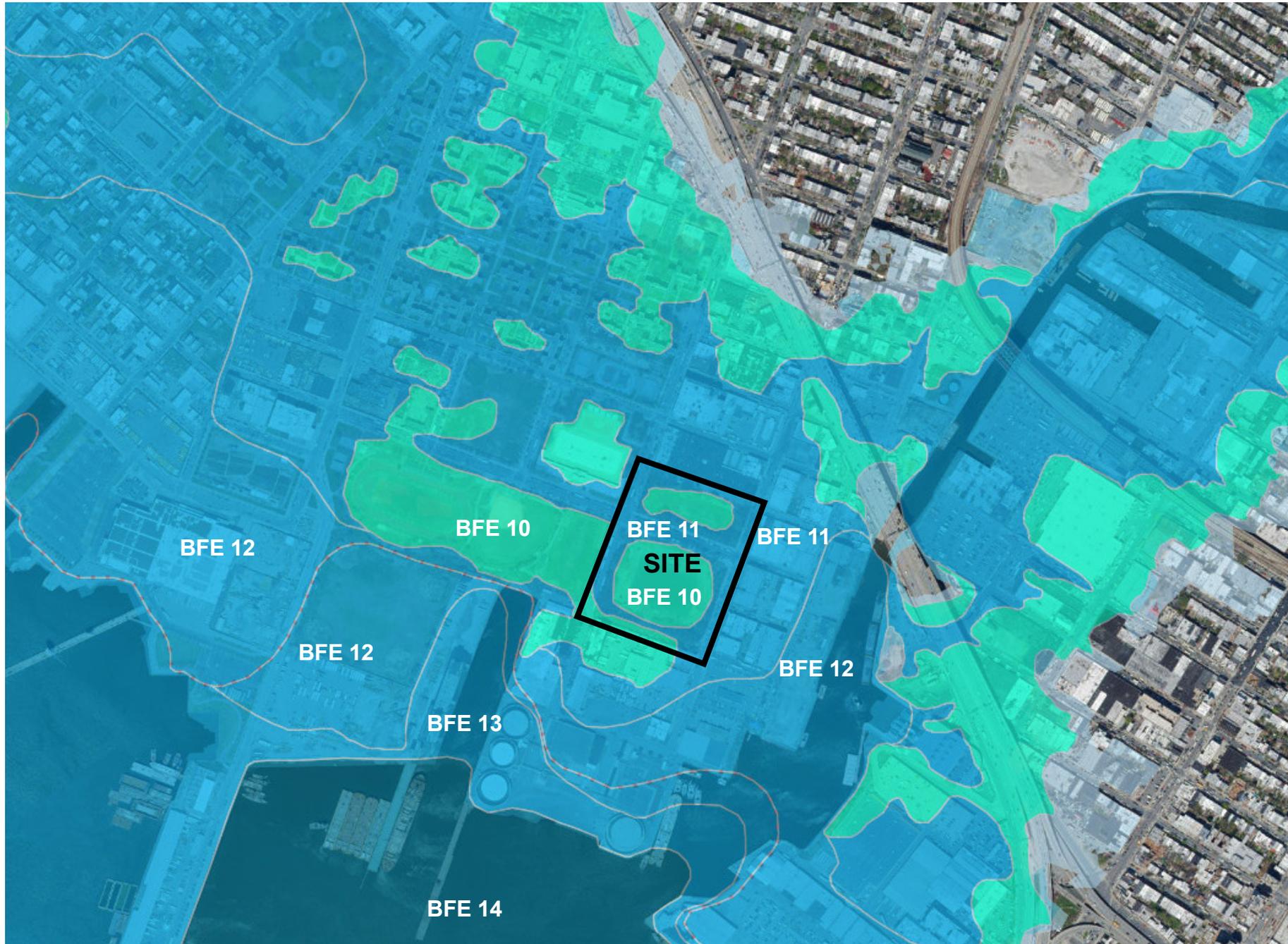




LAND USE CATEGORIES

- 1 AND 2 FAMILY RESIDENTIAL
- MULTI-FAMILY RESIDENTIAL
- MIXED USE
- OPEN SPACE AND OUTDOOR RECREATION
- COMMERCIAL
- INSTITUTIONAL
- INDUSTRIAL
- PARKING
- TRANSPORTATION / UTILITIES
- VACANT LOTS





Base Flood Elevation (BFE): 10.00/11.00

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.

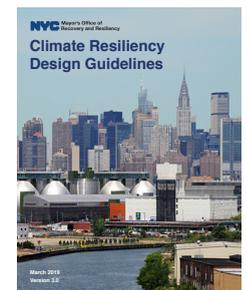
Future Floodplain 2050s

- Future 1% Annual Chance Floodplain (100-year)
- Future 0.2% Annual Chance Floodplain (500-year)

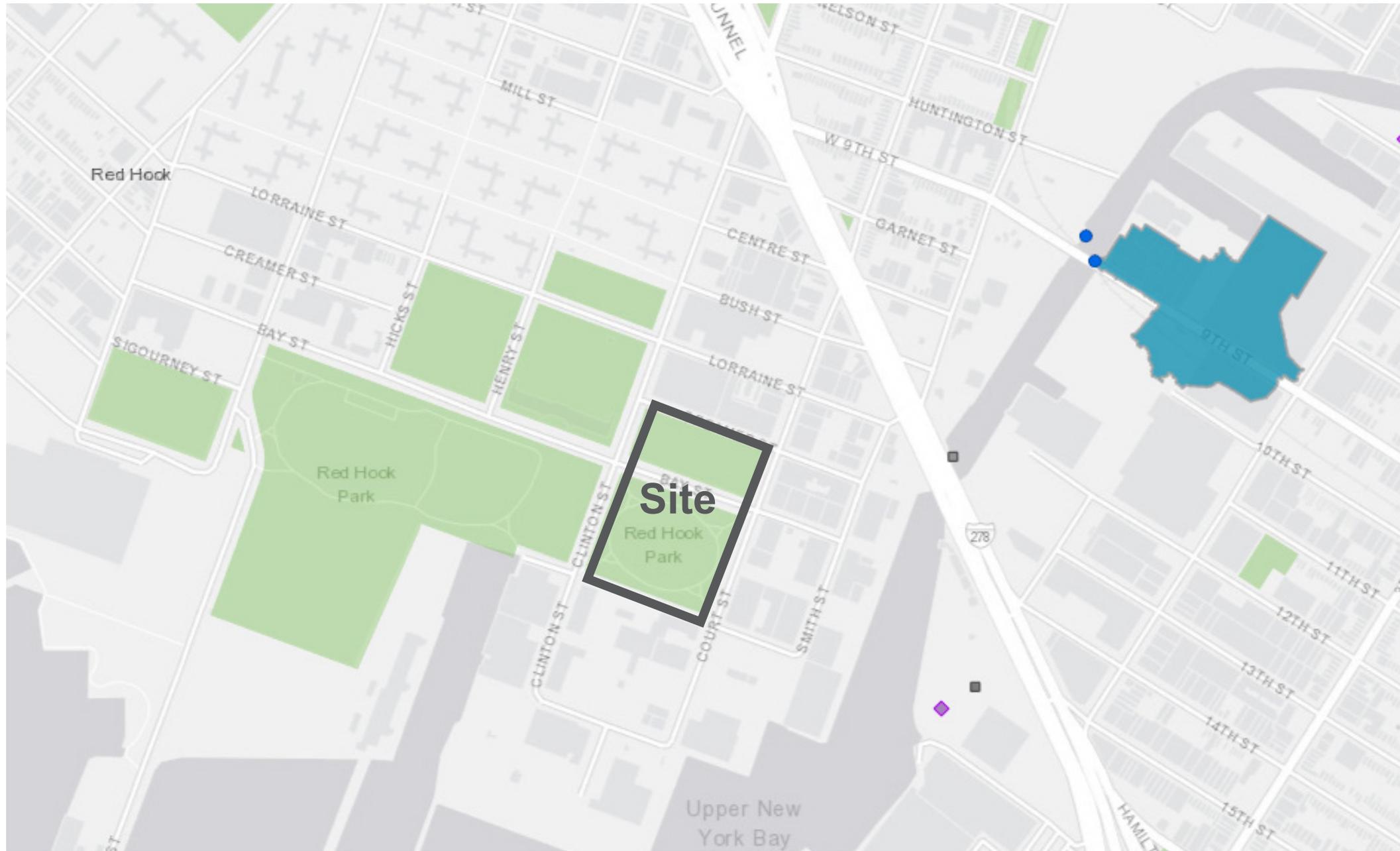
Further Information:



NYC Parks: Design and Planning for Flood Resiliency



NYC MOR: Climate Resiliency Design Guidelines (v3.0)



Municipal Separate Storm Sewer System (MS4) Legend:

MS4 Drainage Areas



Parks



MS4 Outfalls

- MS4 Outfall
- CSO with MS4 Connection

A municipal separate storm sewer system (MS4) is a publicly-owned conveyance or system of conveyances (including but not limited to streets, ditches, catch basins, curbs, gutters, and storm drains) that is designed or used for collecting or conveying stormwater and that discharges to surface waters of the State.

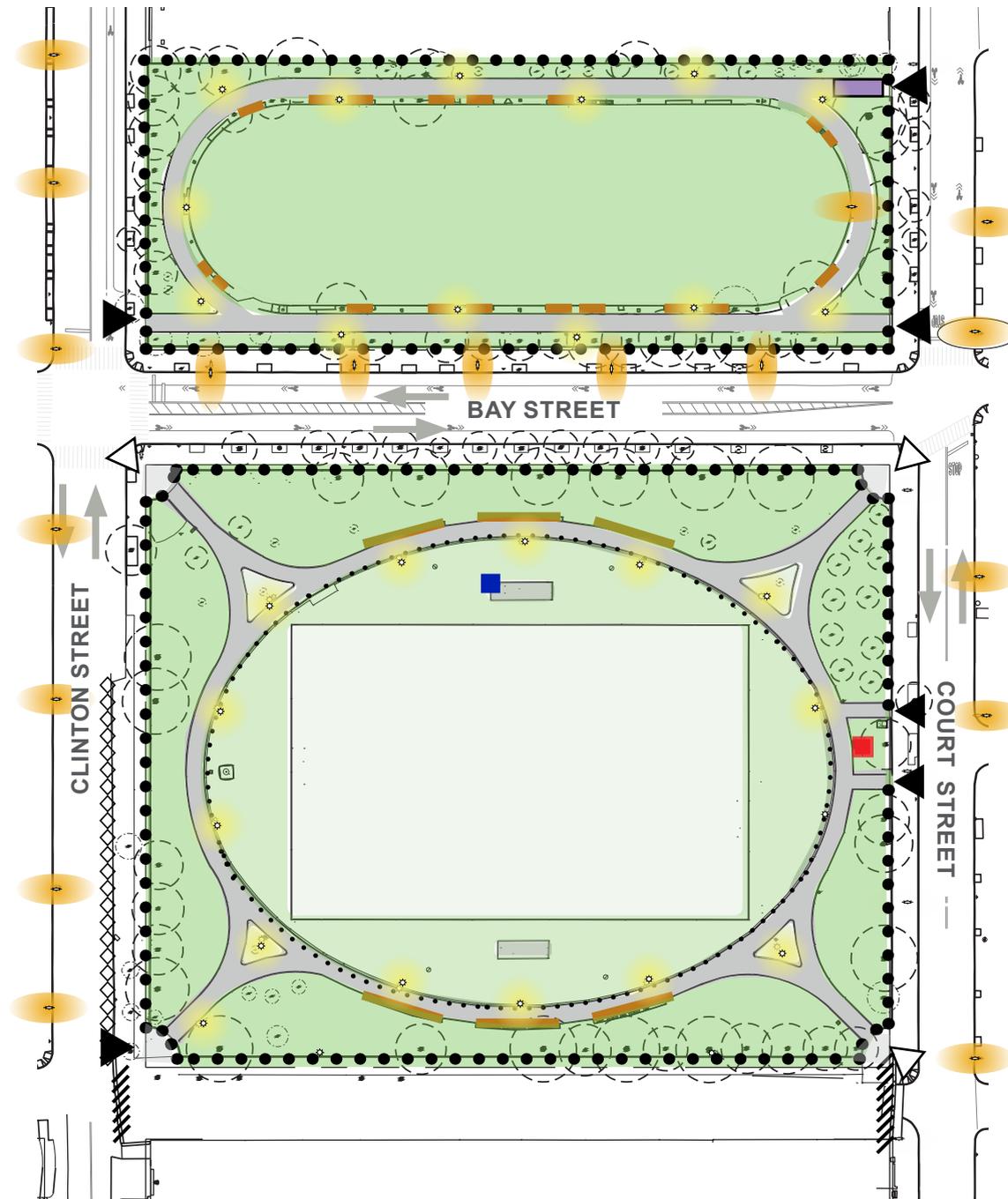
Note: Any Parks site that directly discharges to surface waters of the State (e.g. East River, Harlem River, Hudson River, Jamaica Bay, Atlantic Ocean) is an MS4 site regardless of what the MS4 map shows. Parks properties immediately adjacent to or near bodies of water are likely to be downstream of combined sewer regulator points, making them MS4 sites.





- Coffey Park
Handball, Basketball, Bathrooms, Picnic Area, Dog Run, Playground
- Admiral Triangle
Playground
- St. Mary's Park
Playground
- Cough Triangle
- Red Hook Community Farm
- Red Hook Park
Baseball, Soccer, Running Track, Cricket, Recreation Center, Pool, Playground, Handball, Basketball, Bathrooms, Picnic Area, BBQ Area
- Ennis Playground
Basketball Courts, Playgrounds, Spray Showers
- Erie Basin Park
Picnic Area, Seating
- Triangle Three Sixteen

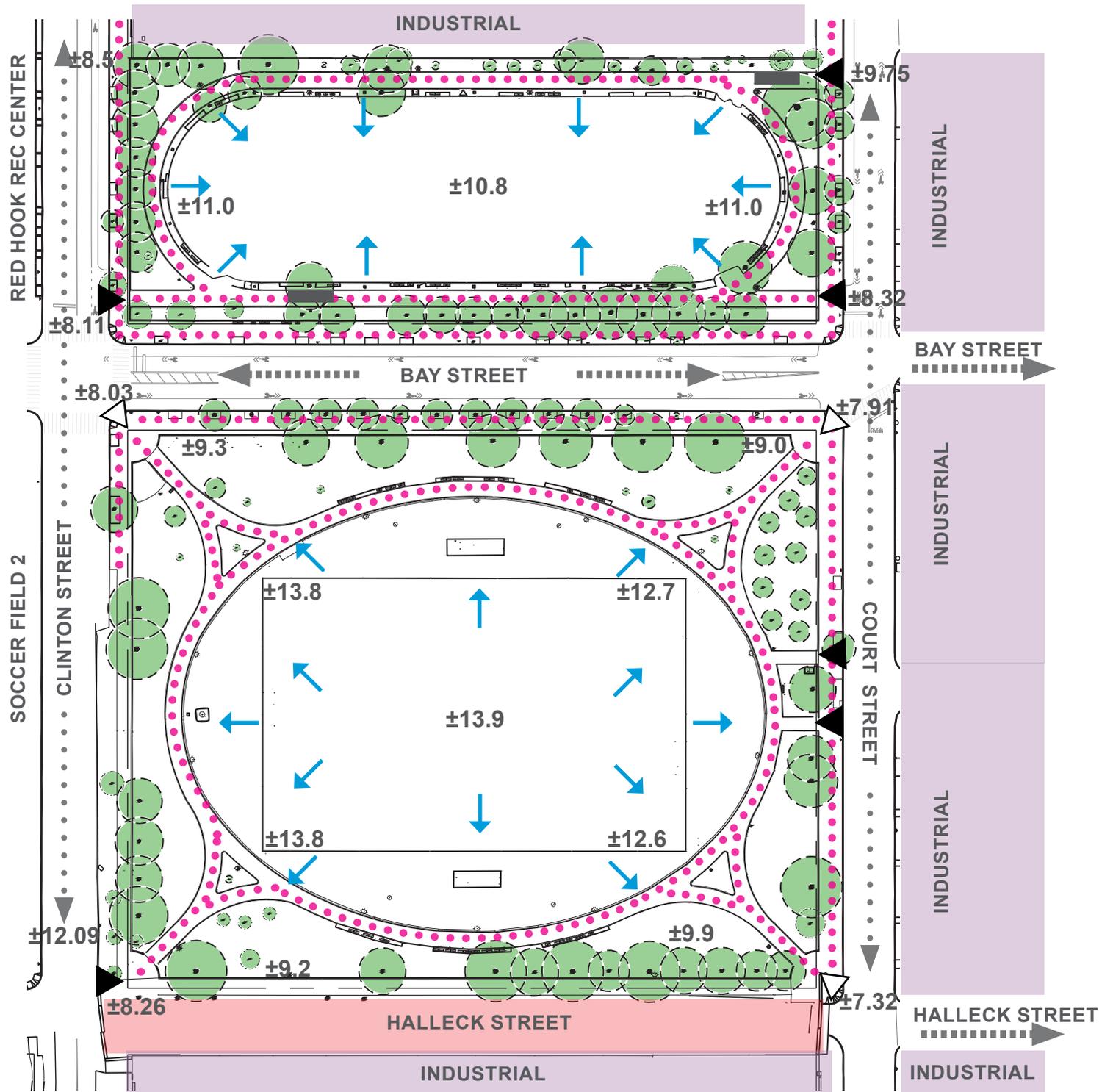




LEGEND

-  PARK ENTRY, ADA ACCESSIBLE
-  PARK ENTRY, ADA INACCESSIBLE
-  TREE CANOPY
-  ASPHALT PAVEMENT
-  CONCRETE PAVEMENT
-  GRASS OR PLANTING
-  SYNTHETIC TURF
-  GUARD RAIL
-  4' HT. STEEL BAR FENCE
-  4' HT. CHAIN LINK FENCE
-  JERSEY BARRIER
-  BENCHES AND PICNIC TABLES
-  DRINKING FOUNTAIN
-  STORAGE CONTAINER
-  TRAFFIC
-  PEDESTRIAN LIGHT POLE (B-POLE)
-  SECURITY FLOOD LIGHT ON 25'-0" POLE
-  STREET LIGHT POLE (COBRA HEAD)
-  BRICK BUILDING WITH ELECTRICAL EQUIPMENT



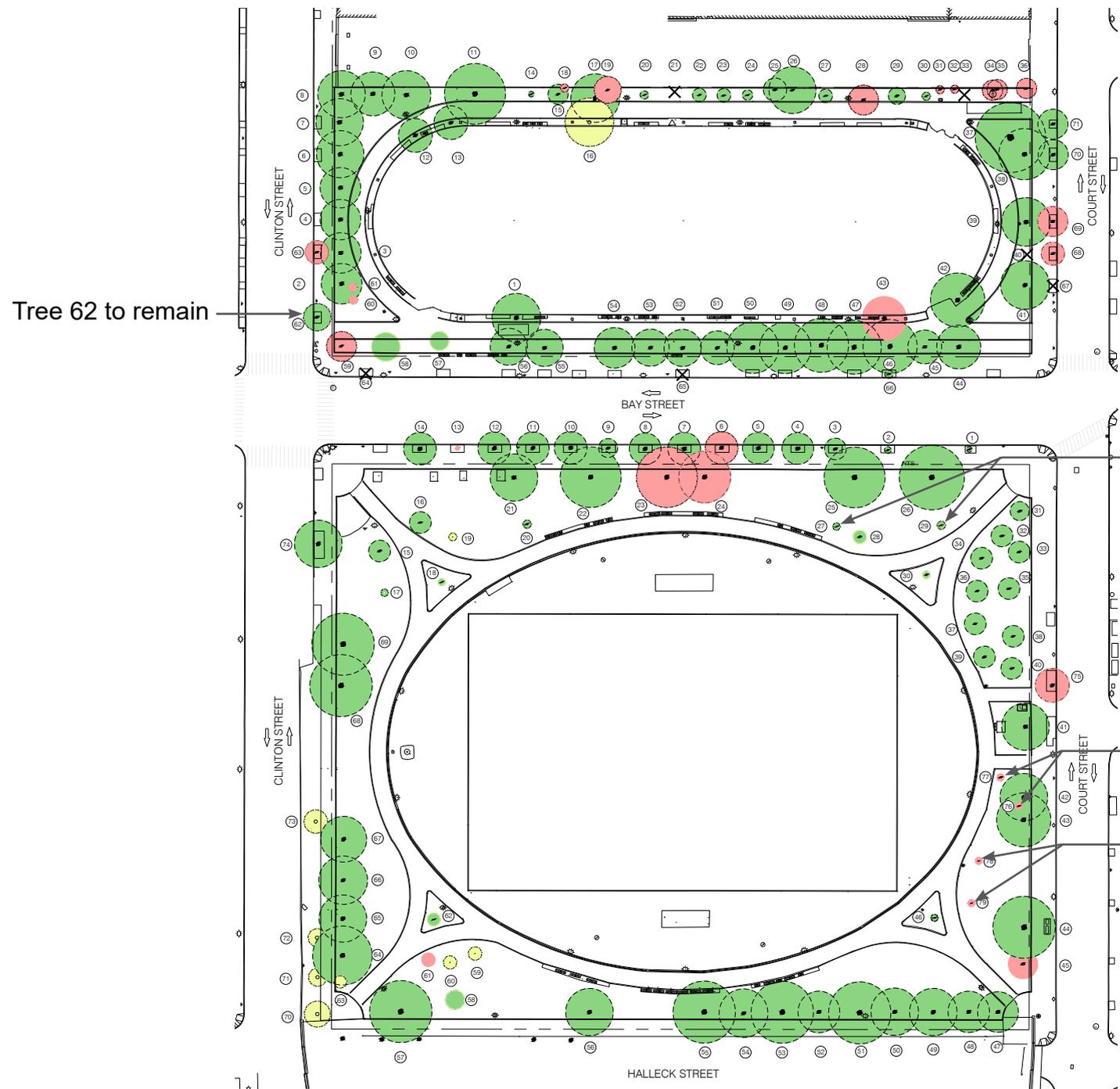


LEGEND

-  TREE CANOPY
-  HEAVY VEHICLE TRAFFIC
-  LIGHT VEHICLE TRAFFIC
-  PARK ENTRY, ADA INACCESSIBLE
-  PARK ENTRY, ADA ACCESSIBLE
-  CROSSWALK
-  PEDESTRIAN CIRCULATION
-  SURFACE DRAINAGE
- ± 9.00 SPOT GRADES
-  PRIVATE PROPERTY
-  CLOSED TO PUBLIC



Red Hook Soccer Fields 1 and 6: Final Review Site Analysis



LEGEND

- ③ Tree Number
- ✕ Stump Removals (6)
- Tree to Remain (110)
- Condition Based Tree Removals (25)
- Design Based Tree Removals (9)

Estimated Tree Restitution	\$476,584
62 new 3" trees	\$133,300
61 new 4" trees	\$233,020
4 new 5" trees	\$23,880
Remaining Tree Restitution	\$86,384

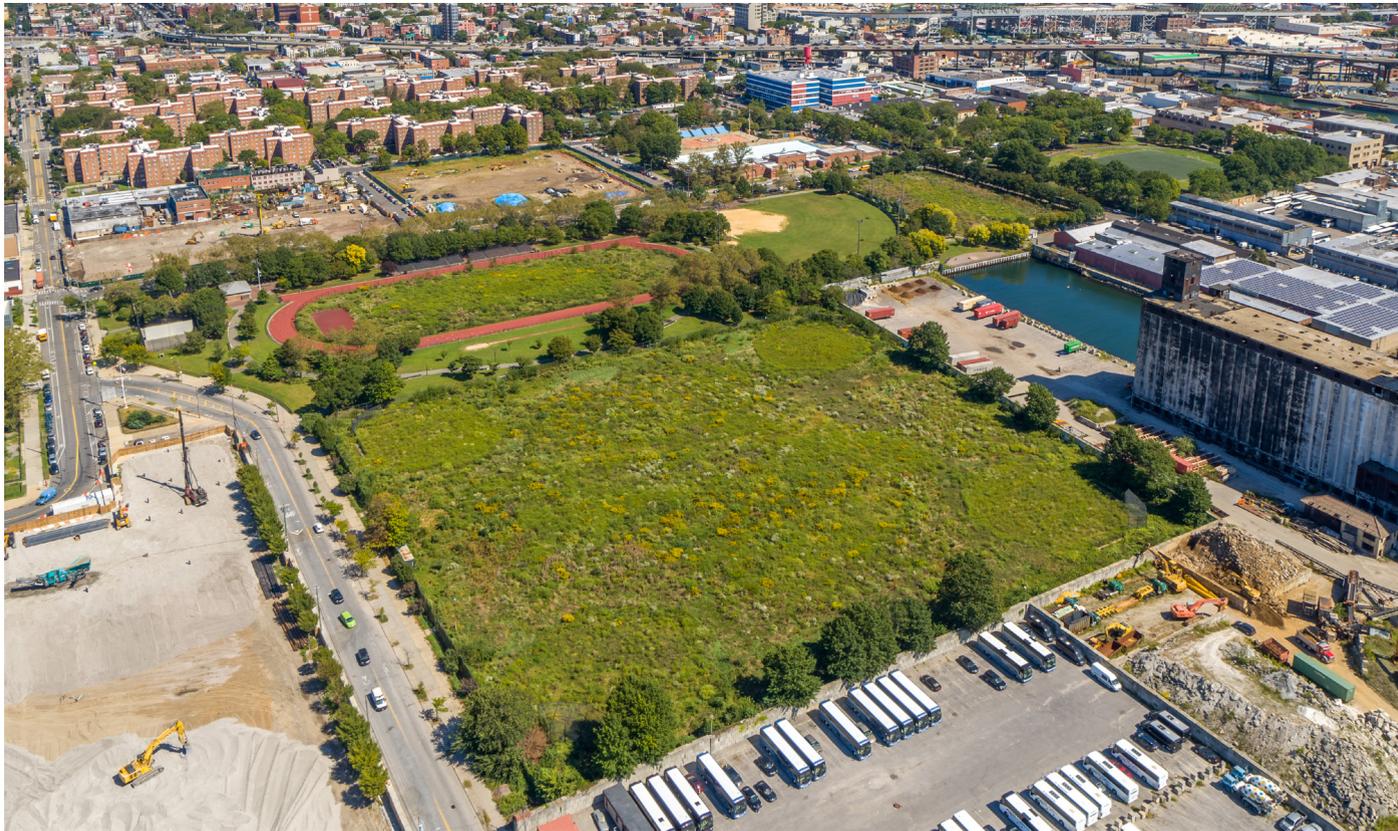
Trees 27 & 29 to remain

Condition based removal of Trees 76 & 77

Condition based removal of Trees 78 & 79



Red Hook Soccer Fields 1 and 6: Final Review Tree Removals



Aerial photo of the Red Hook Recreational Area looking Northeast



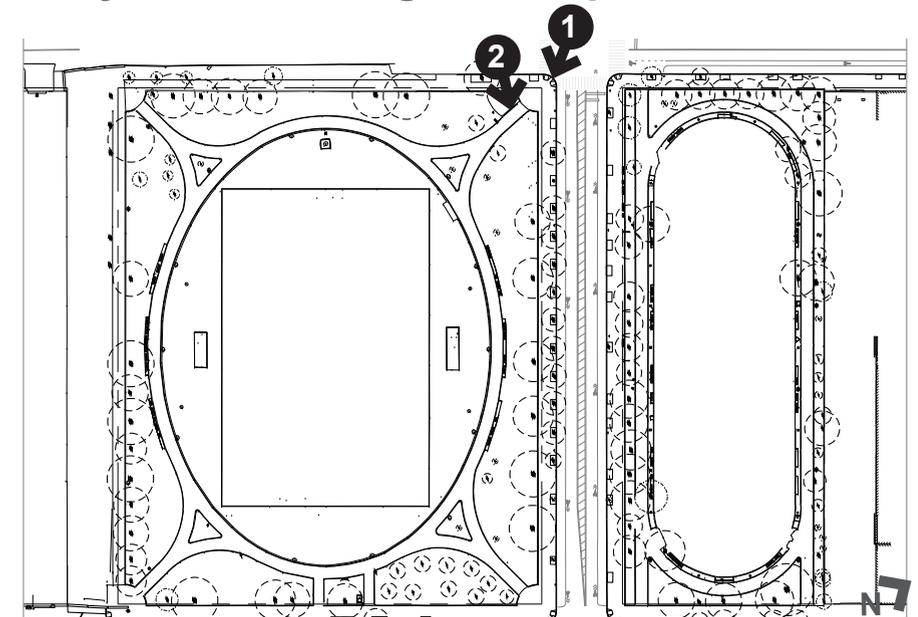
Aerial photo of Soccer Fields 1 and 6 looking Northeast



1 - Entrance at corner of Bay Street & Clinton Street looking Southeast



2 - North side of Field 1 at Bay Street looking East to picnic area

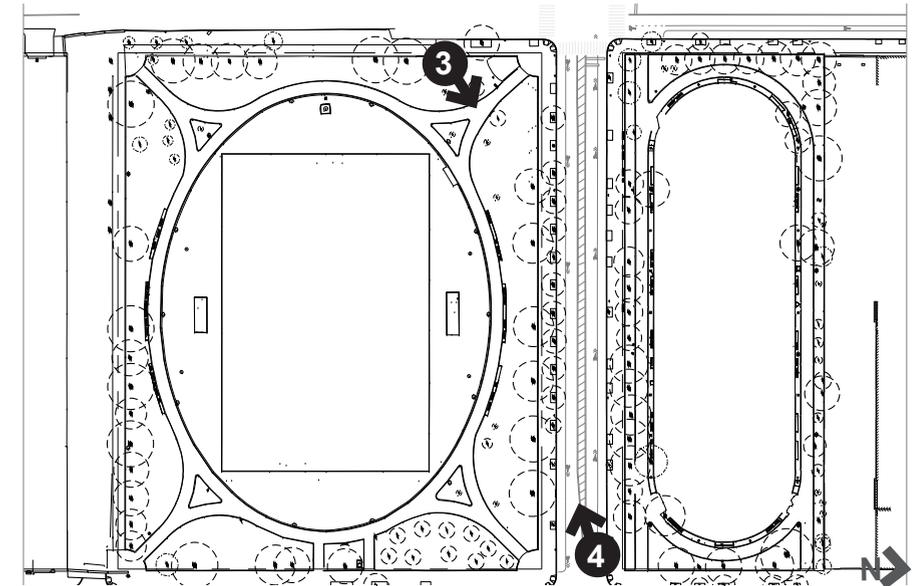




3 - Looking Northeast to Bay Street picnic area and food trucks



4 - Bay Street looking West to picnic area and food trucks

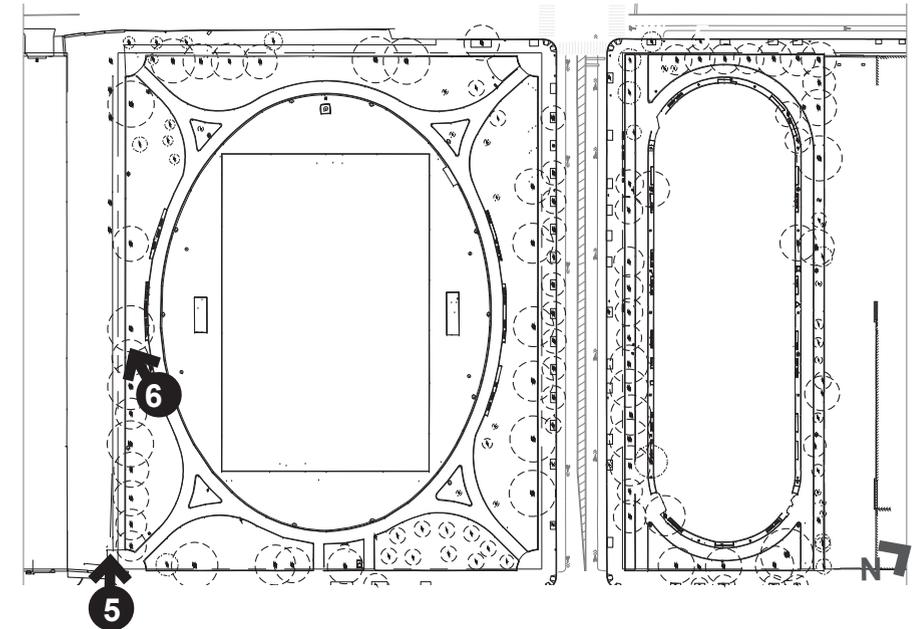




5 - Intersection of Court Street and Halleck Street looking West along unimproved Halleck Street (2009). Property line lies +/- 7'-0" South of existing fence line.



6 - Looking West along park perimeter fence at unimproved Halleck Street

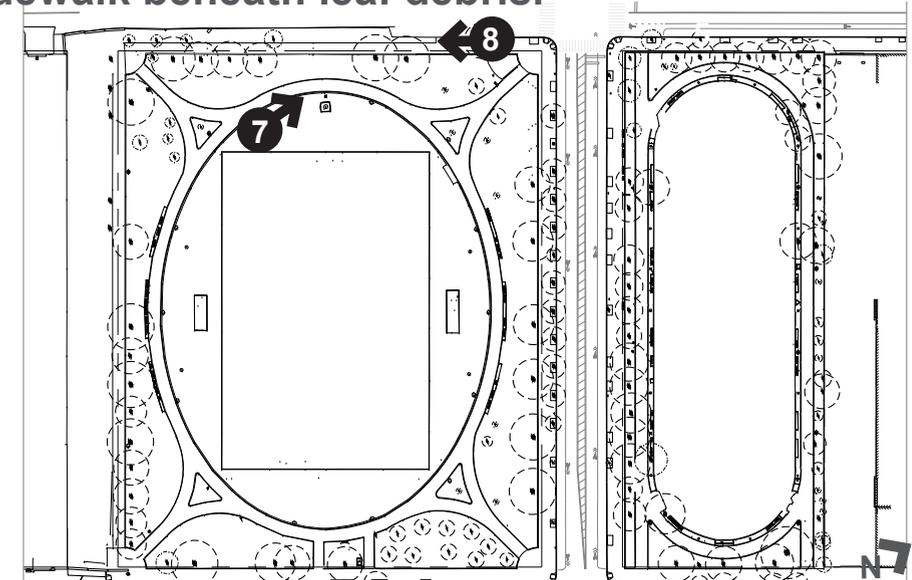




7 - Looking Northwest along park perimeter at Clinton Street. Mature Oak trees and depressed grade shown.



8 - Looking South along Clinton Street. Steel barrier rail, no street curb and concrete sidewalk beneath leaf debris.

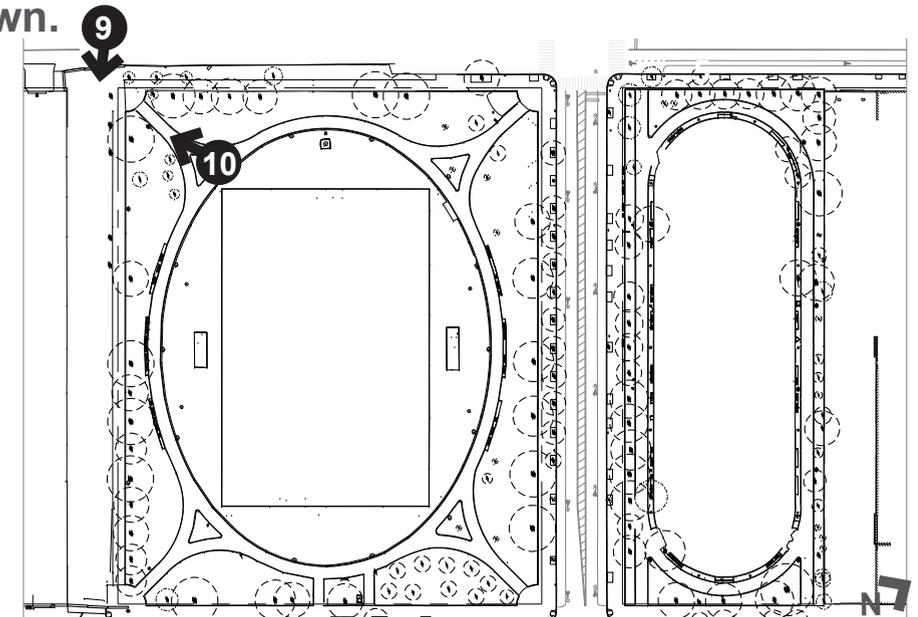




9 - Intersection of Clinton and Halleck Street looking East along unimproved Halleck Street (2009). Depressed grade at entrance and no access to Field 2 West of Clinton Street.



10 - Closed Southwest entrance. No street connection, low grade and mature trees shown.

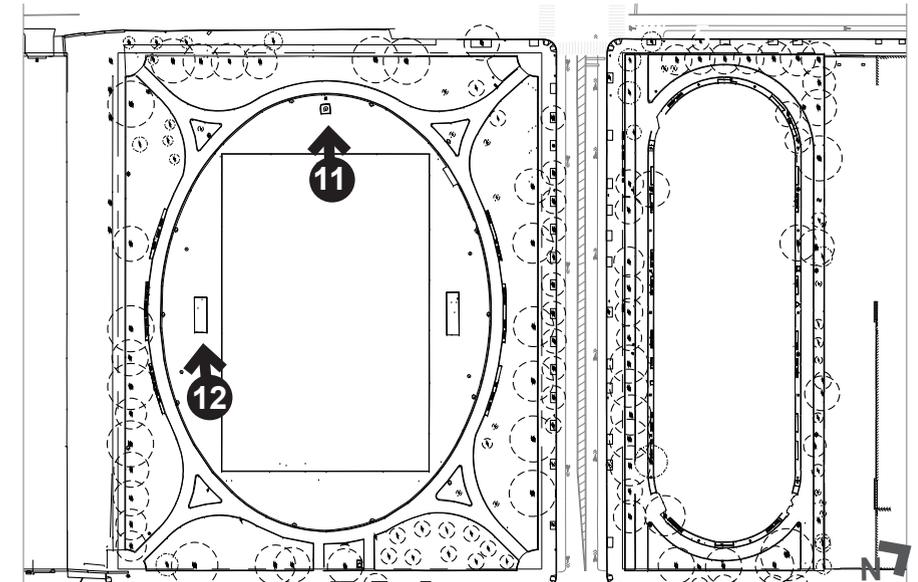




11 - Flagpole at West side of field



12 - Bleachers at South side of field

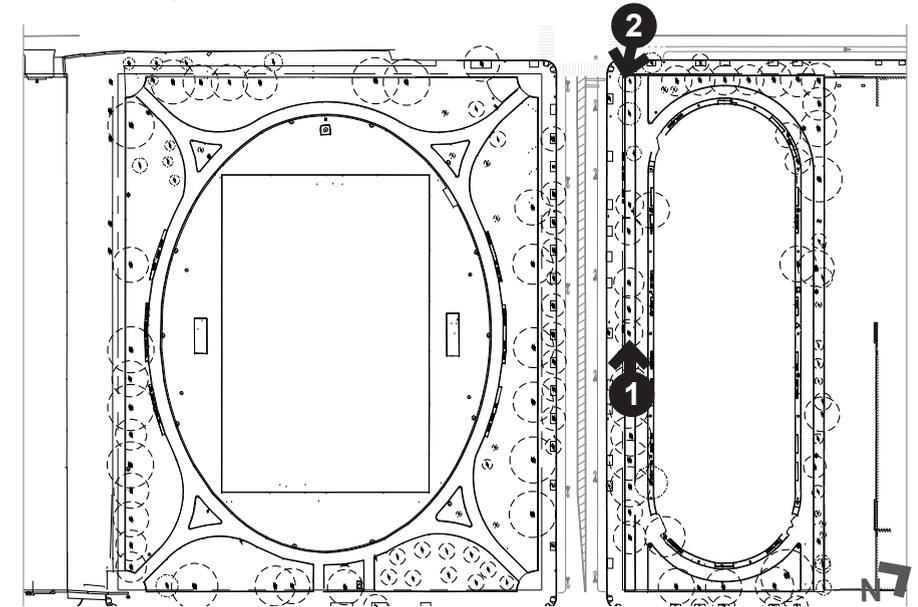




1 - Looking West along Bay Street sidewalk South of Field 6. Steel bar fence lies +/- 2'-0" inside of property line.



2 - Park entrance at corner of Bay Street and Clinton Street at 7% grade.

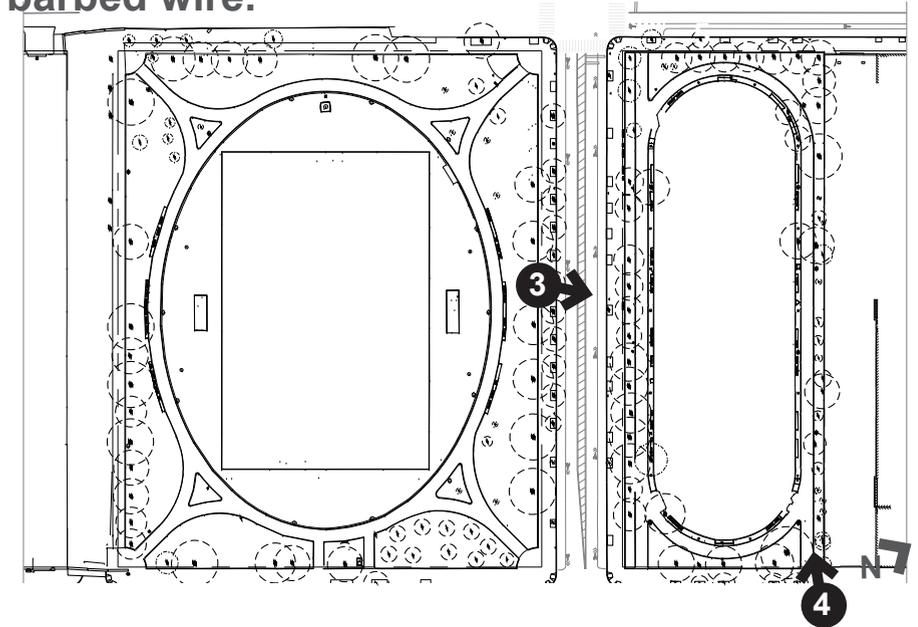




3 - Steel bar fence along Bay Street with wood planks retaining soil



4 - Looking West along North property line. 12'-0" neighbors fence with steel angles and barbed wire.

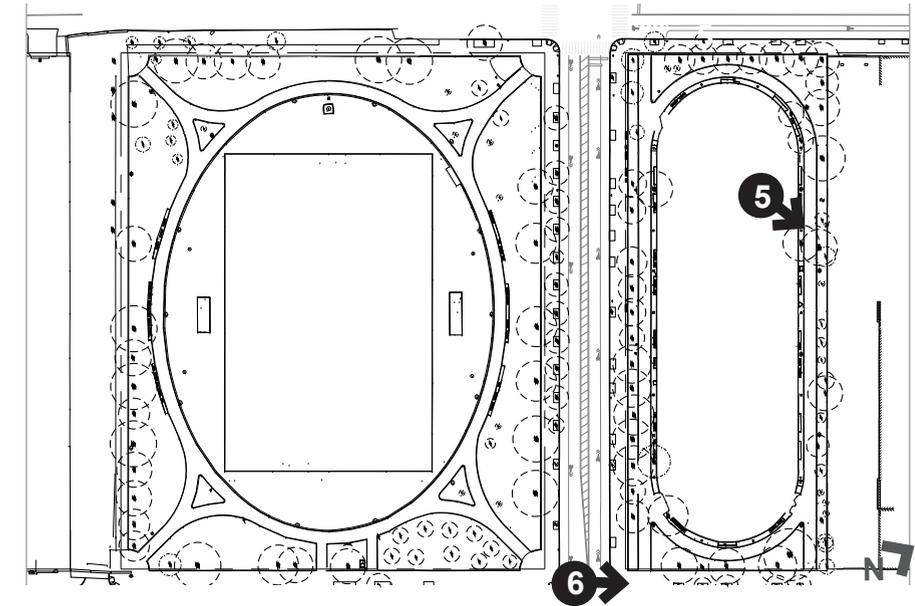




5 - Along the North property line the neighbor's 12' ht. steel fence is installed above the DPR steel bar fence



6 - Looking North along Court Street sidewalk

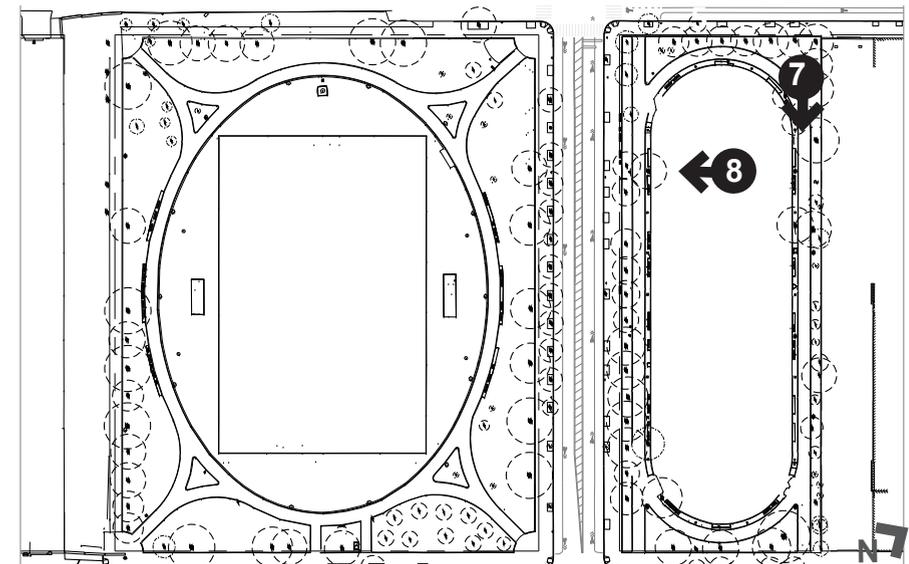




7 - Elm tree at North edge of field with girdled/ deformed root system extending into perimeter path.



8 - Looking South toward Bay Street from center of field. The Elm tree is located in the amenity strip.

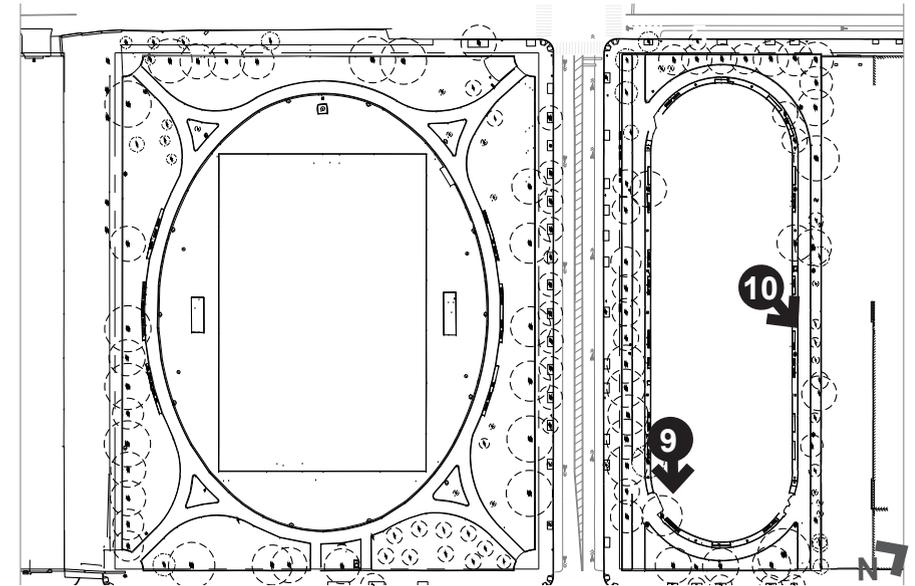


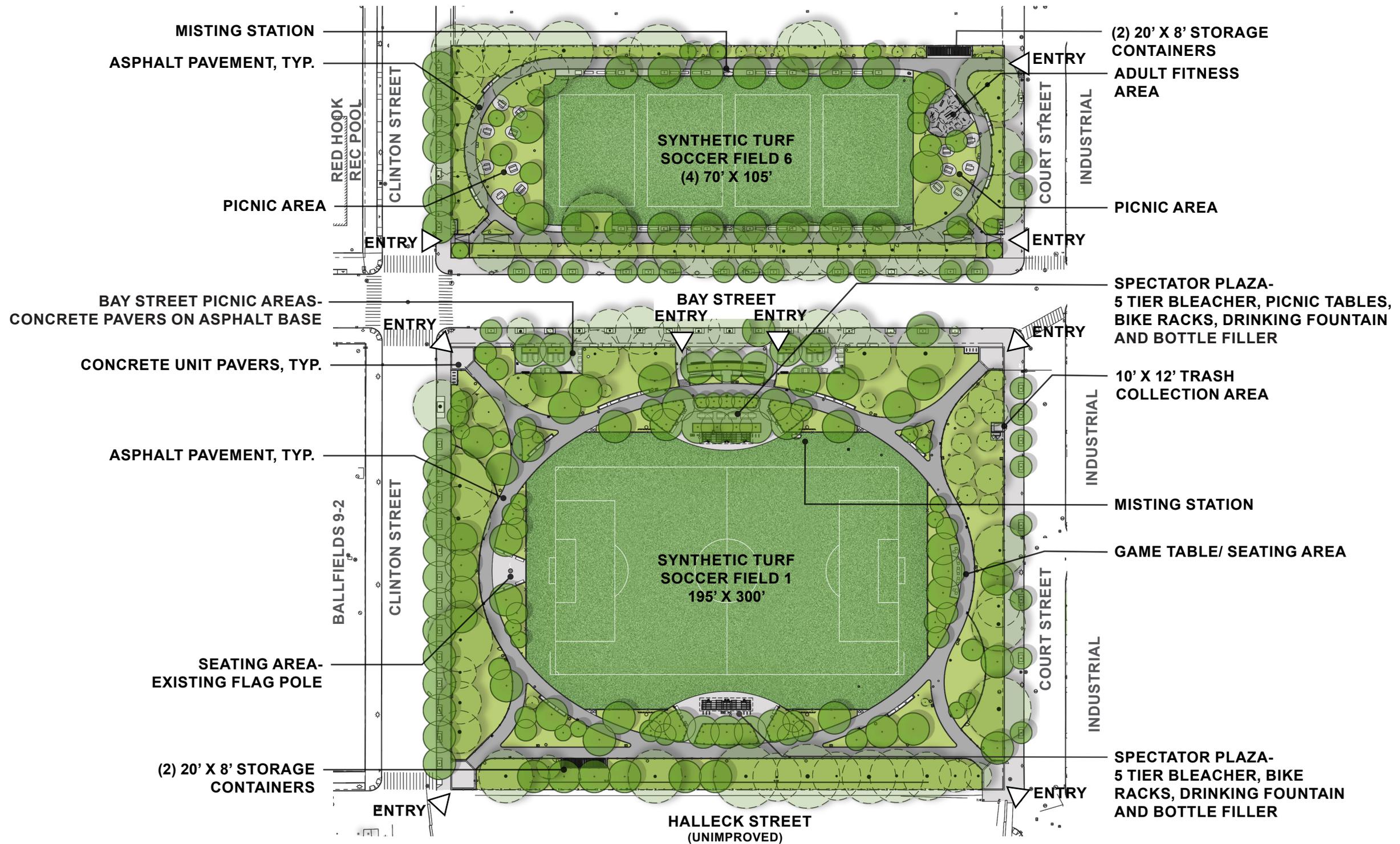


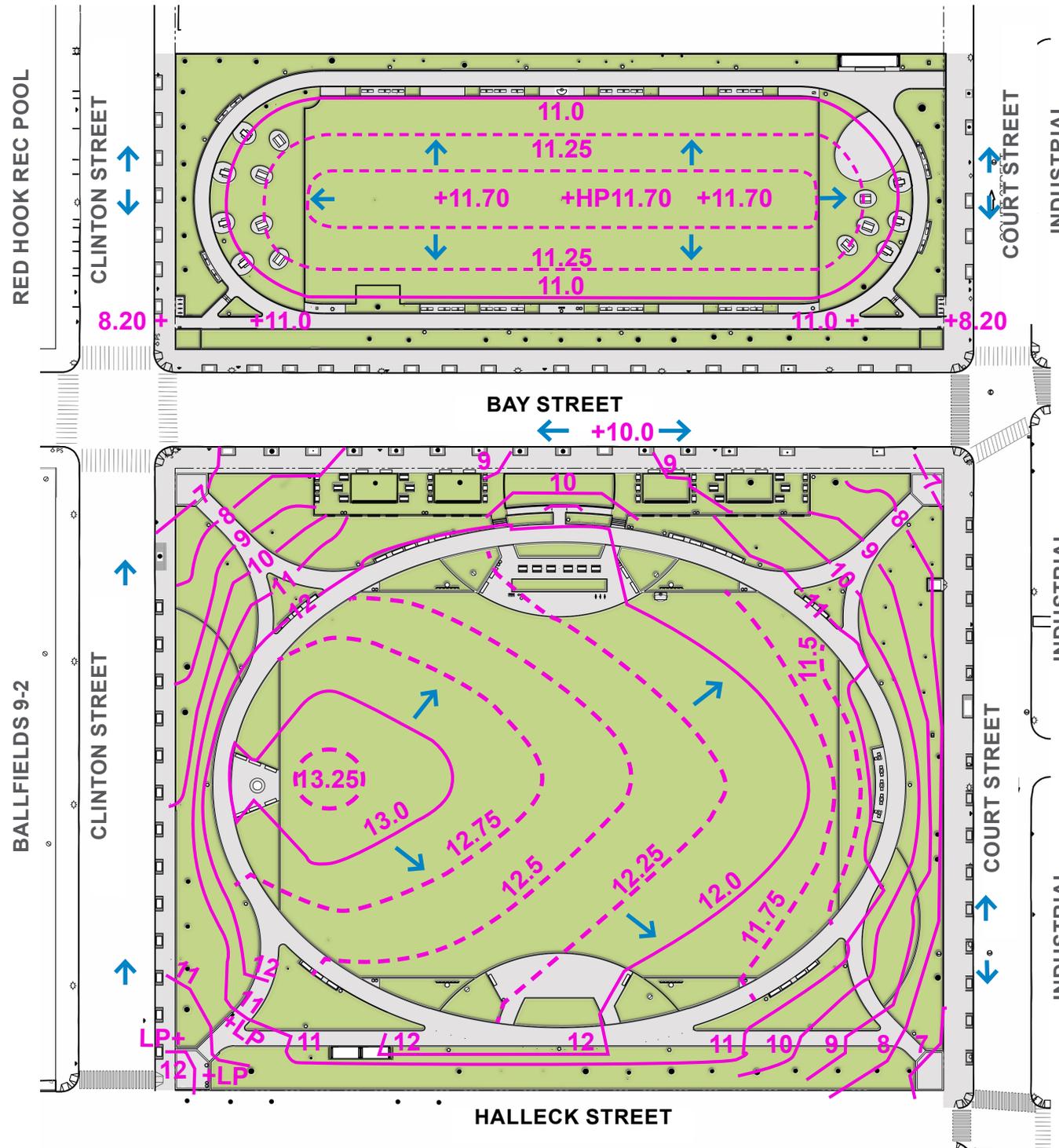
9 - Elm Tree at Southeast edge of field



10- Looking Northeast from center of the field

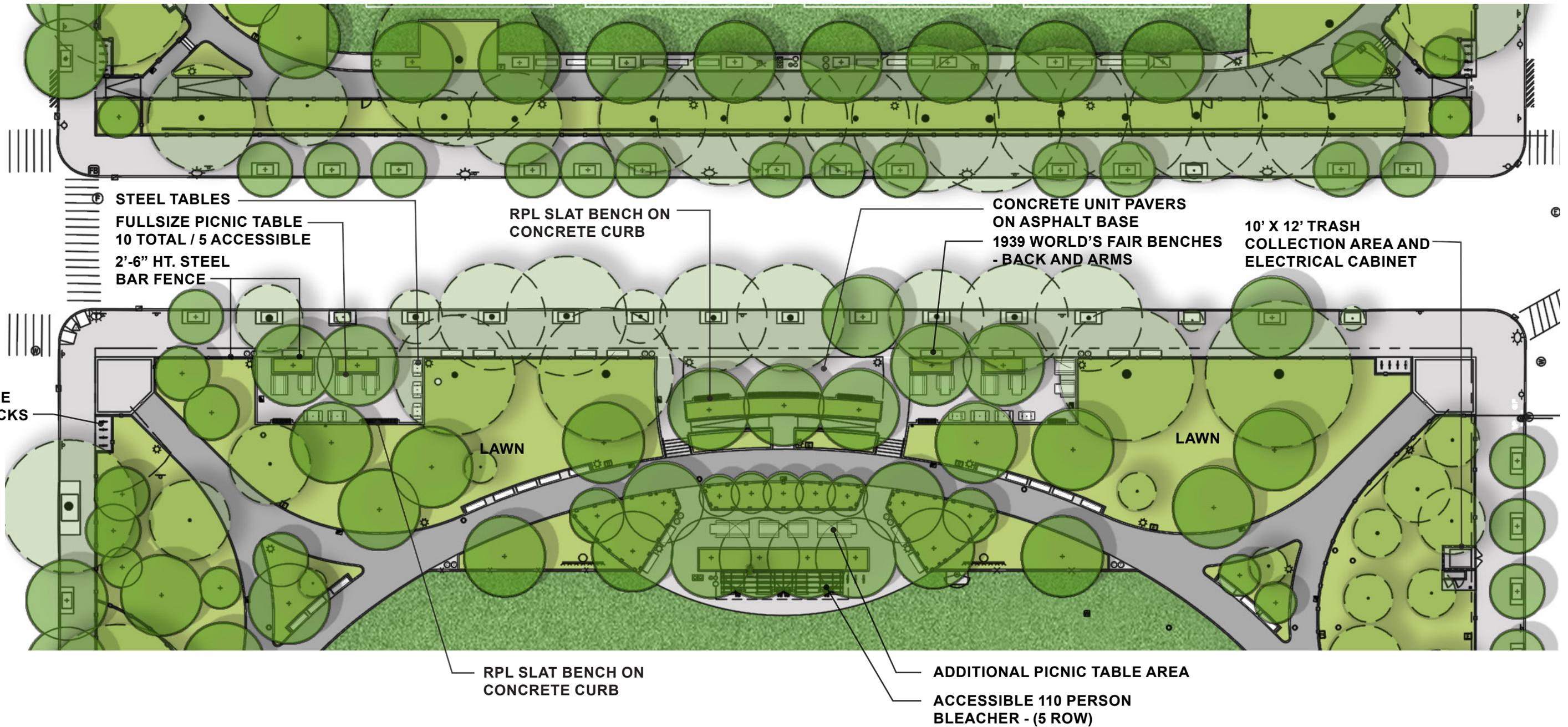


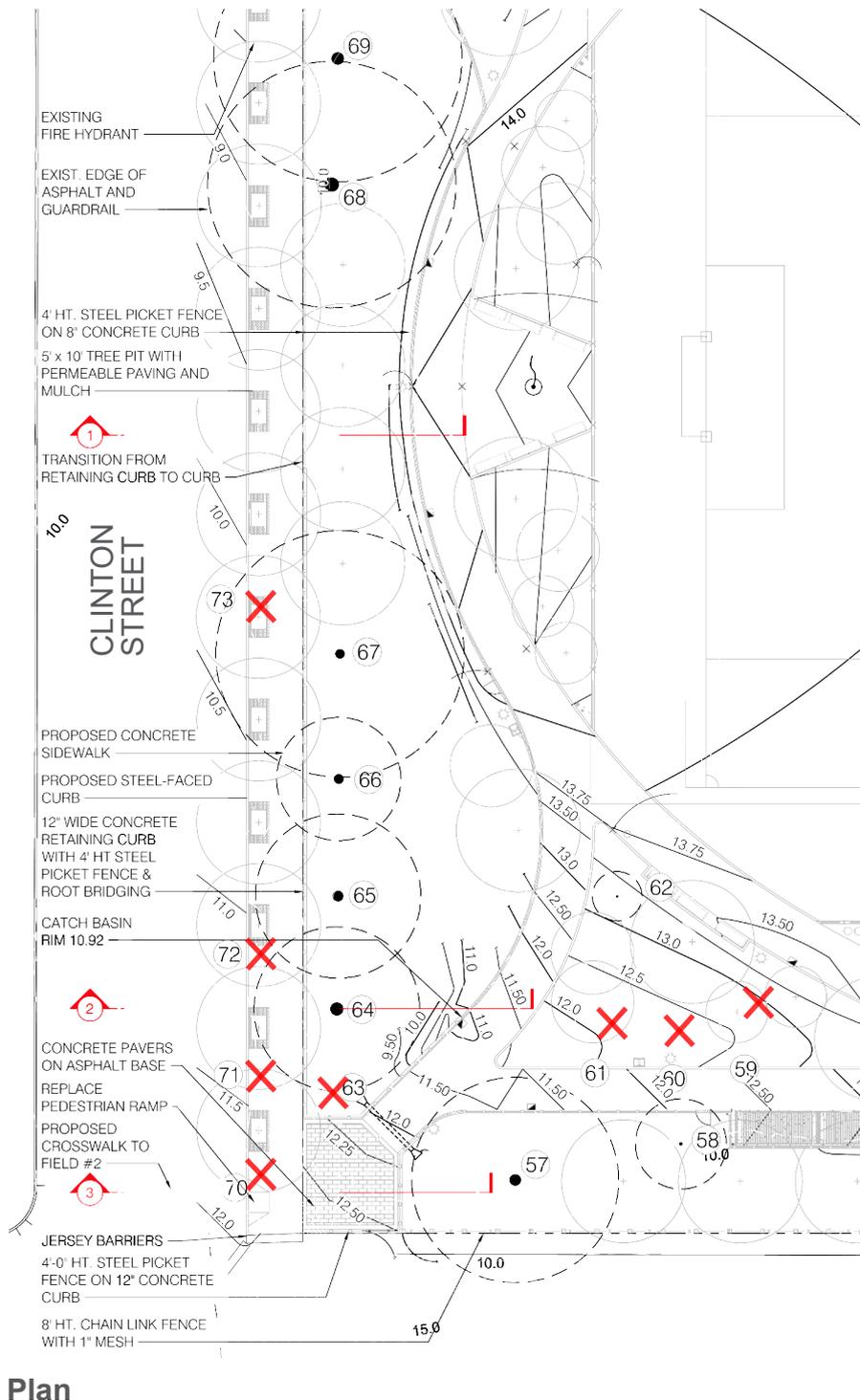




LEGEND

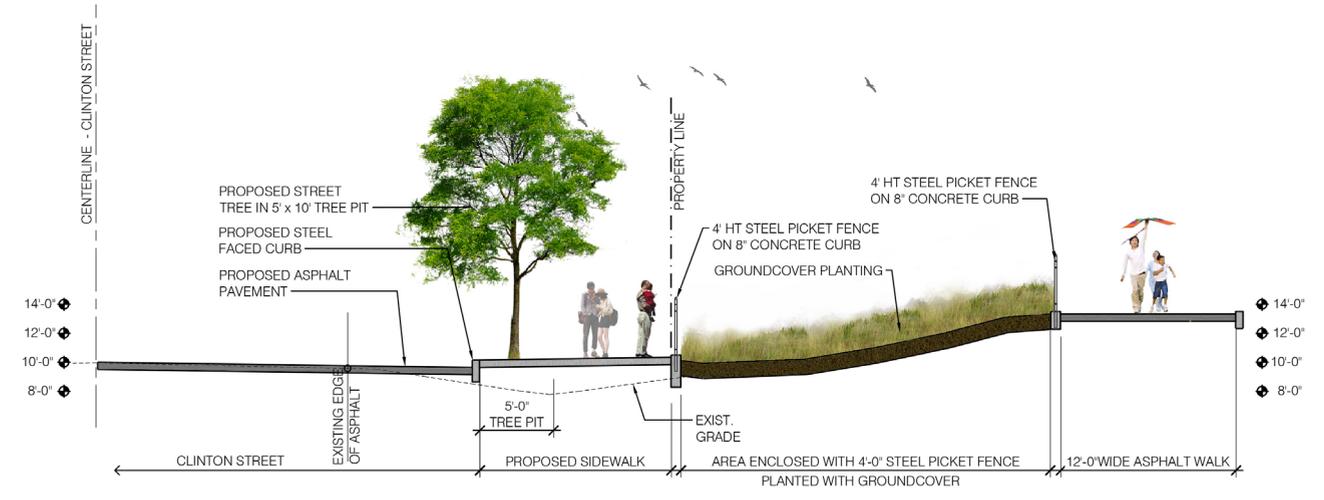
- 14.0 — MAJOR CONTOUR
- - - 13.5 - - - MINOR CONTOUR
- ← SLOPE DIRECTION
- + SPOT ELEVATION
- +LP LOW POINT
- +HP HIGH POINT



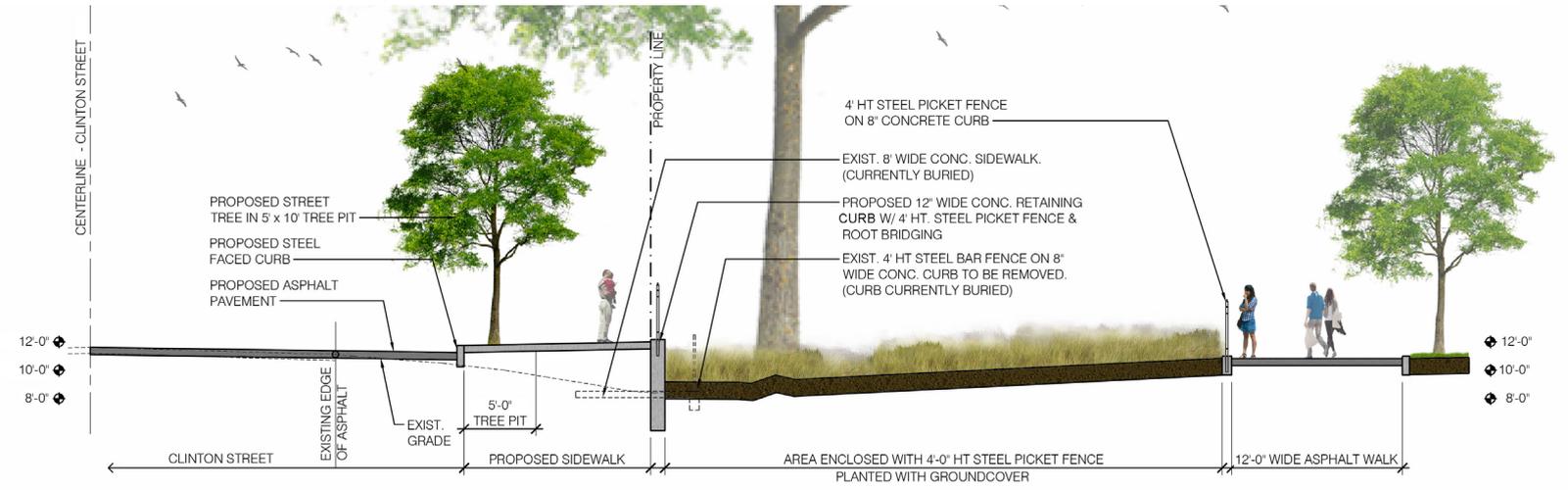


Plan

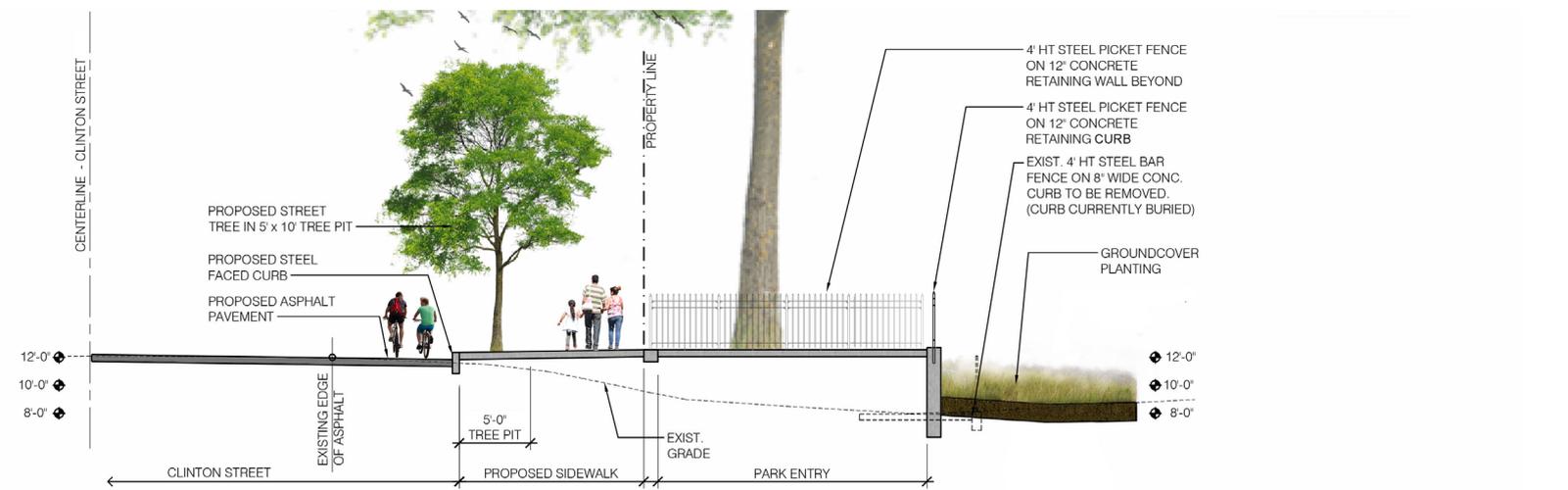
Section 1

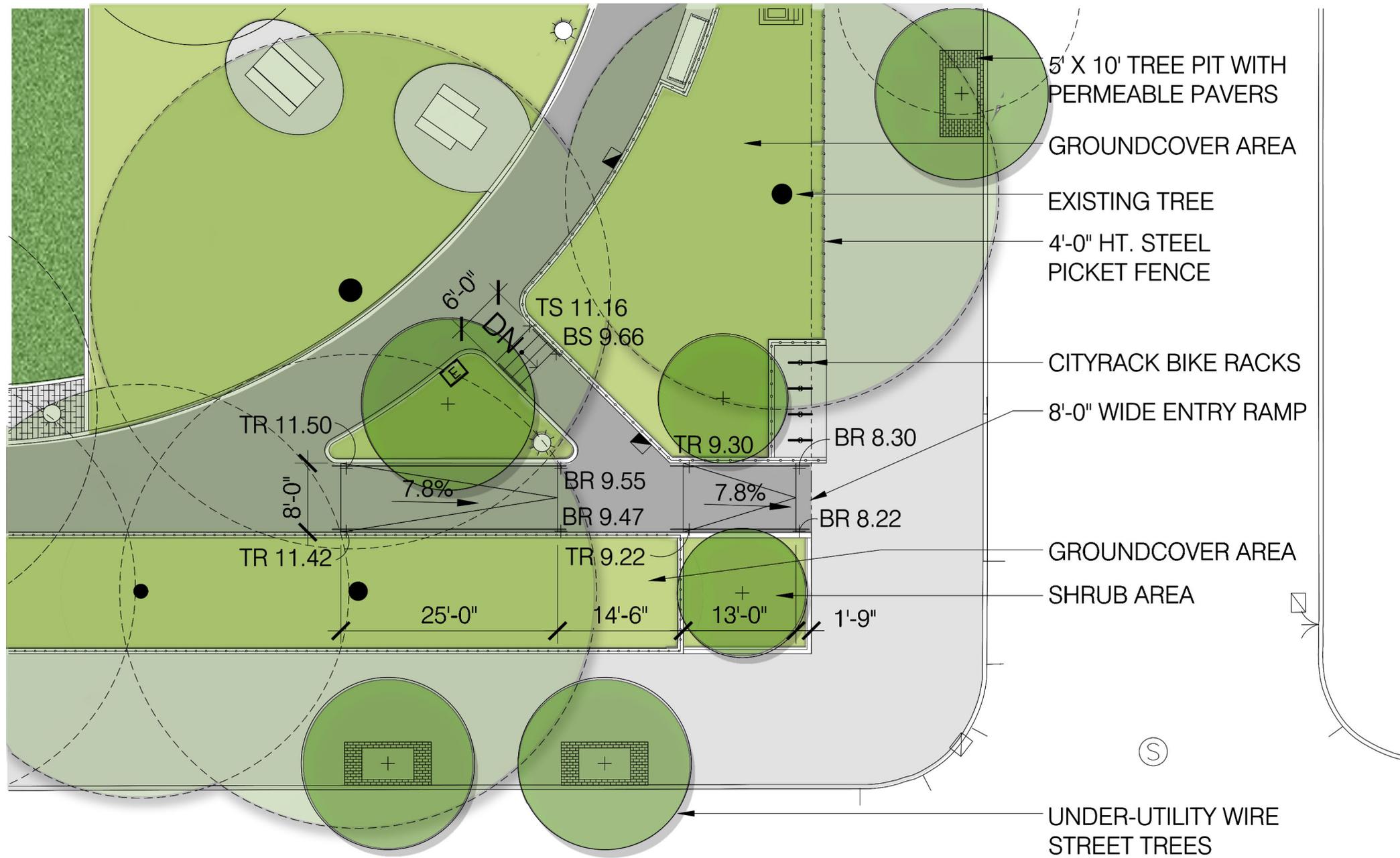


Section 2



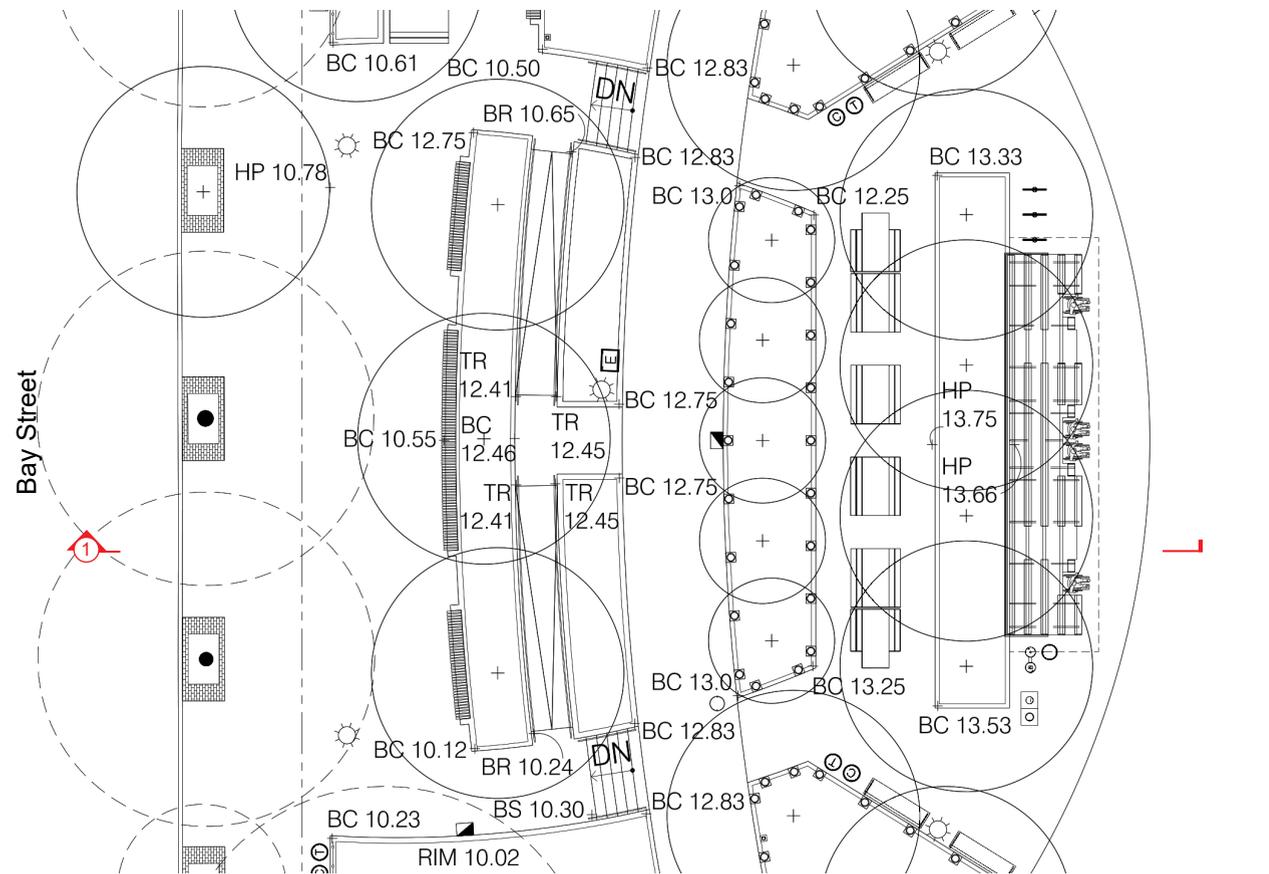
Section 3



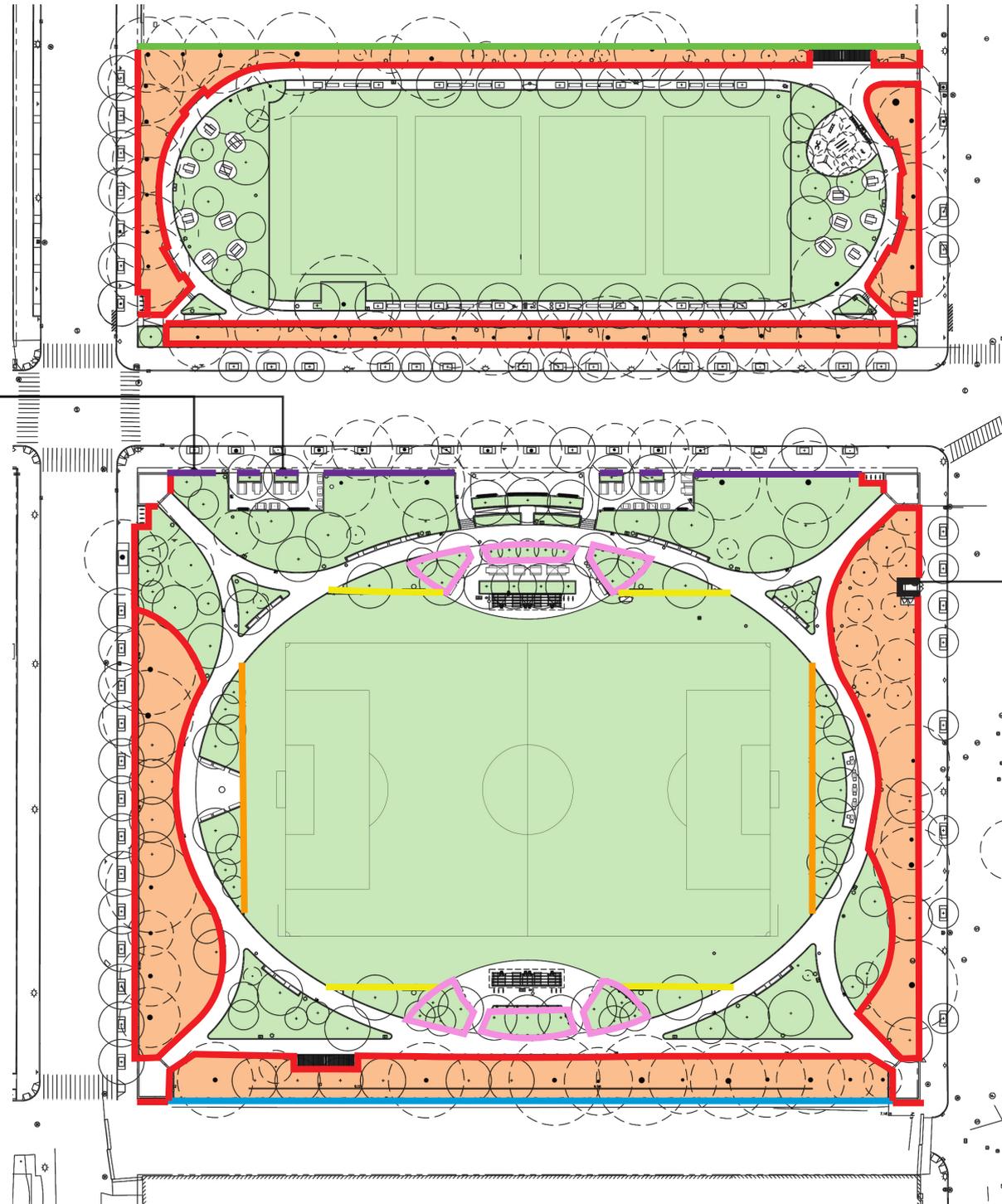




Section



Red Hook Soccer Fields 1 and 6: Final Review
Sections: Soccer Field 1 Entrance Along Bay Street



LEGEND

- 2'-6" HT. Steel Bar Fence
- 4'-0" HT. Steel Picket Fence
- 4'-0" HT Louver Fence
- 4'-0" HT CLF
- 8'-0" HT. CLF
- 8'-0" HT. 1" Mesh CLF
- 12'-0" HT. 1" Mesh CLF
- Decorative Pier & Pipe Rail
- Existing Trees: Remove 0-12 inches of soil (0-6 inches within the CRZ). Place demarcation layer, clean topsoil, plant ground cover, and cover with 3-inch layer of mulch. 4'-0" HT. steel picket fence.
- 12 inch cover in landscaped and synthetic turf areas & 10 inch cover in paved areas



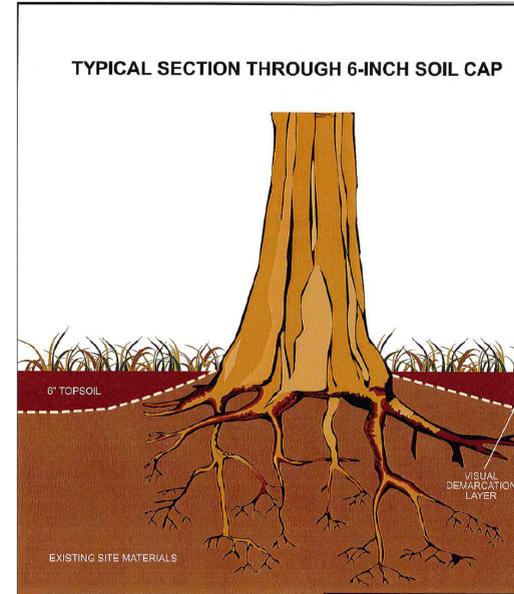
Decorative Pier and Pipe Rail



NTS



SOIL REMOVED BY HAND AND VACUUM AT EXISTING TREES (0-12")



DEMARCATON LAYER AND CLEAN TOPSOIL



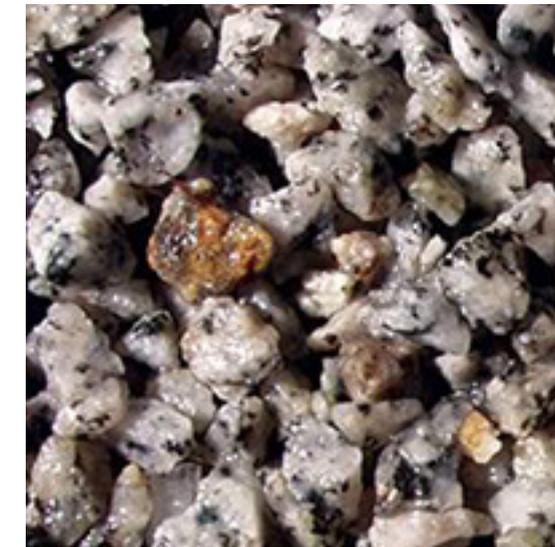
MULCH AND VEGETATED GROUND COVER



4' STEEL BAR PICKET FENCE



PERMEABLE PAVERS, COLOR: LIMESTONE GRAY



BONDED AGGREGATE, COLOR: SILVER GREY GRANITE



HAND BIKE



STEPS



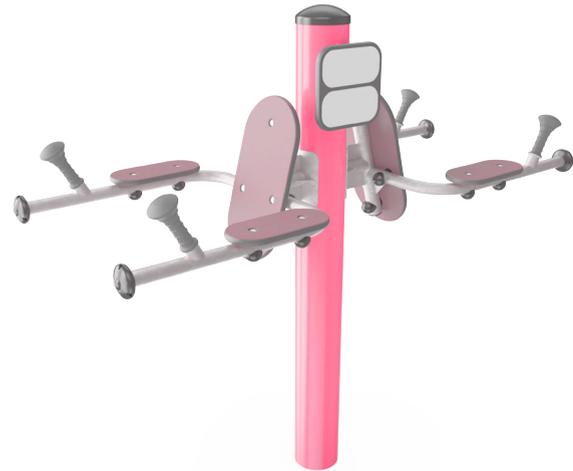
COMBI 1 PRO



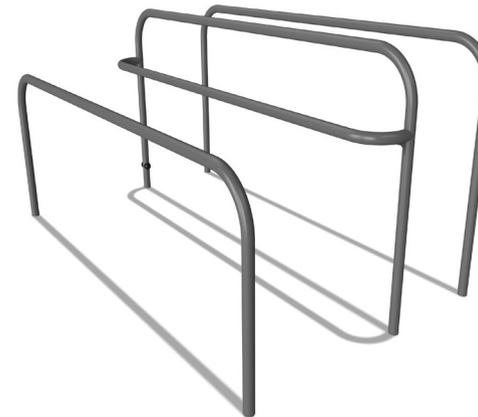
DIP BENCH



INCLINE PRESS



PUSH UP AND LEG LIFT STATION



TRIPLE BARS

ADULT FITNESS EQUIPMENT



SYNTHETIC TURF



COMBINATION GOAL



5 TIER FIXED BLEACHER WITH ACCESSIBLE SEATING



**SPORTS STEEL SPRAY FIXTURE
COLOR: BLACK**



**DECORATIVE BINS, TRASH AND COMINGLE
COLOR: BLACK**



CITYRACK



**BOTTLE FILLER AND HI-LO DRINKING
FOUNTAINS
COLOR: BLACK**



**4'-0" LOUVER FENCE FOR TRASH
COLLECTION AREA
COLOR: BLACK POWDER COATED STEEL**



**1939 WORLD'S FAIR BENCH WITH RPL SLATS
COLOR: WEATHERED WOOD**



**PICNIC TABLE W/ RPL SLATS (ACCESSIBLE
TABLES ALSO PROVIDED)
COLOR: WEATHERED WOOD**



**CONCRETE AND STEEL GAME TABLE &
CHAIR, TYPE 'E' WITH STEEL SLATS
COLOR: BLACK**



**2 OR 3 PERSON ACCESSIBLE PICNIC
TABLE W/ RPL SLATS. COLOR: WEATH-
ERED WOOD**



DESIGN PRECEDENT- GRAIN MEDALLION



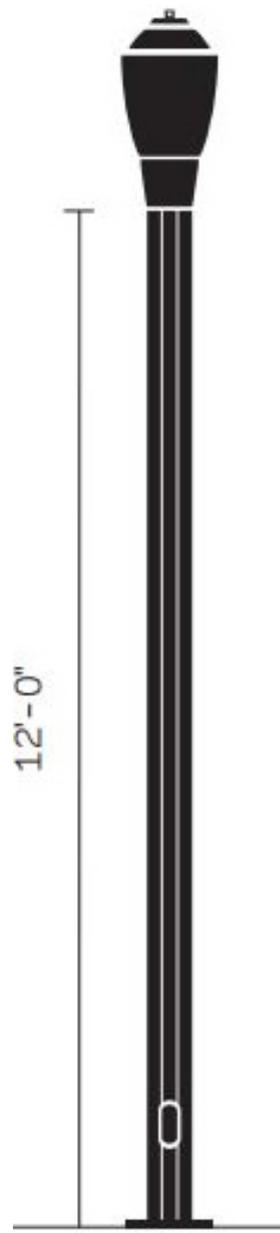
**4'-0" STEEL PICKET FENCE
COLOR: BLACK**



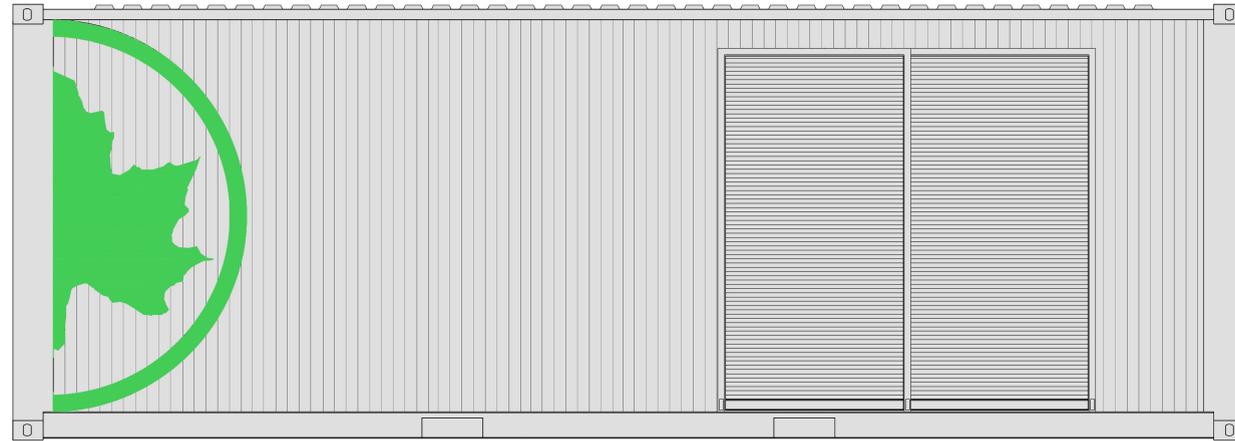
CHAIN LINK FENCE



**HISTORICAL DESIGN PRECEDENT-
PRECAST DECORATIVE CONCRETE PIER
AND PIPE RAIL**



WORLD'S FAIR LUMINAIRE AND POLE
COLOR: BLACK



(2) 20' STORAGE CONTAINERS AT EACH FIELD
COLOR: LIGHT GREY WITH GREEN PARKS' LEAF



DECORATIVE CONCRETE PAVERS
FINISH: TUDOR
COLORS: MATRIX 1119 (TOP), NATURAL (MID),
LIMESTONE GREY (BOTTOM)



BONDED AGGREGATE
COLOR: SILVER GREY GRANITE



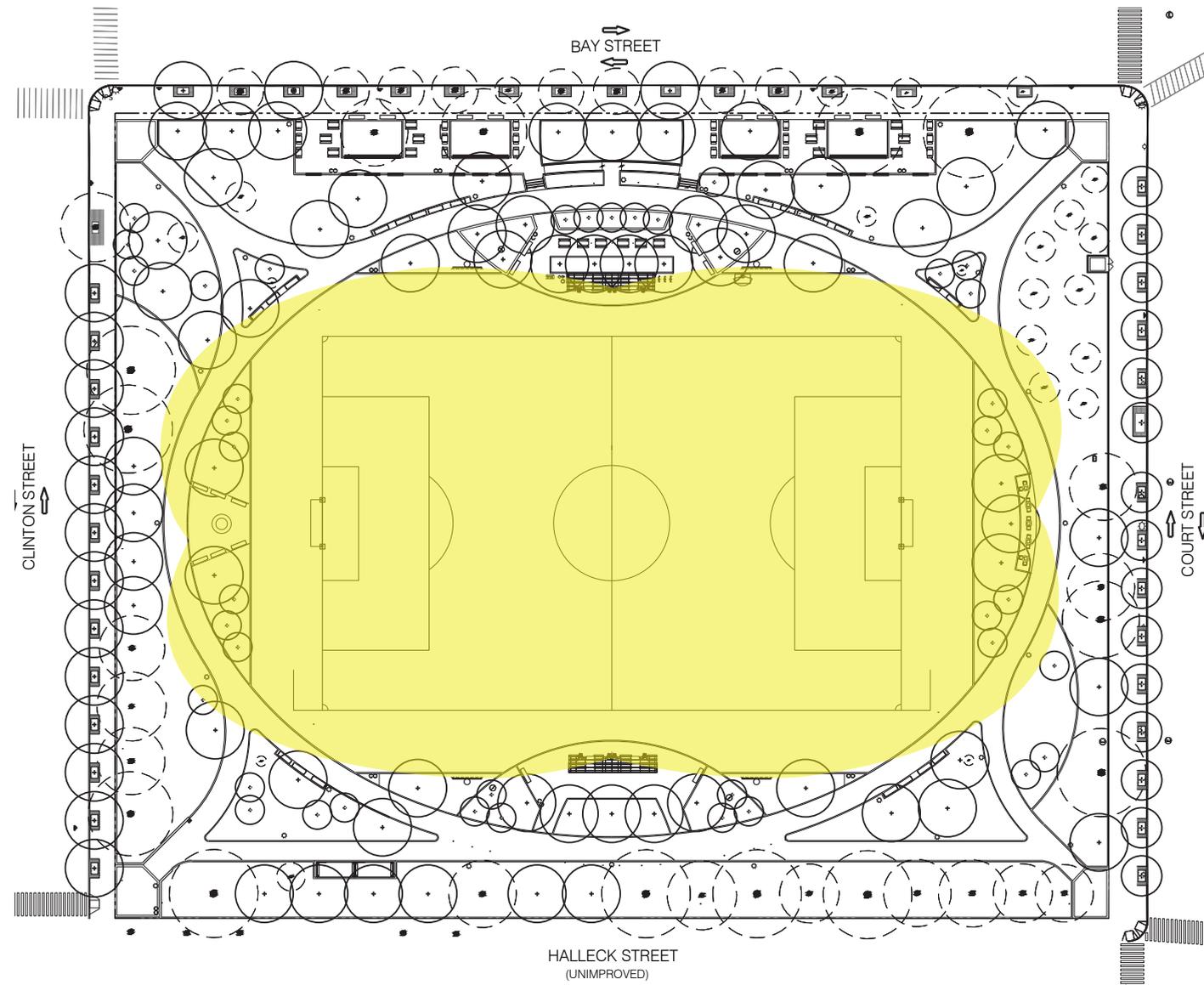
CONCRETE PAVERS ON ASPHALT BASE IN
PICNIC AREA
COLOR: LIMESTONE GRAY, NATURAL, AND
CHARCOAL



PERMEABLE PAVERS IN TREE PITS &
FIELD 6 AMENITY STRIP
COLOR: LIMESTONE GRAY



MUSCO LED

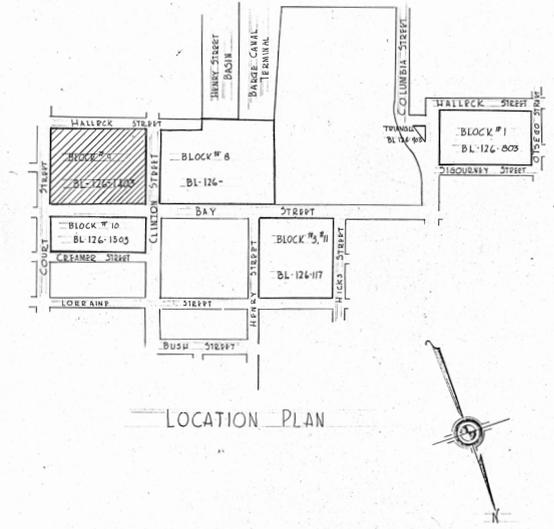
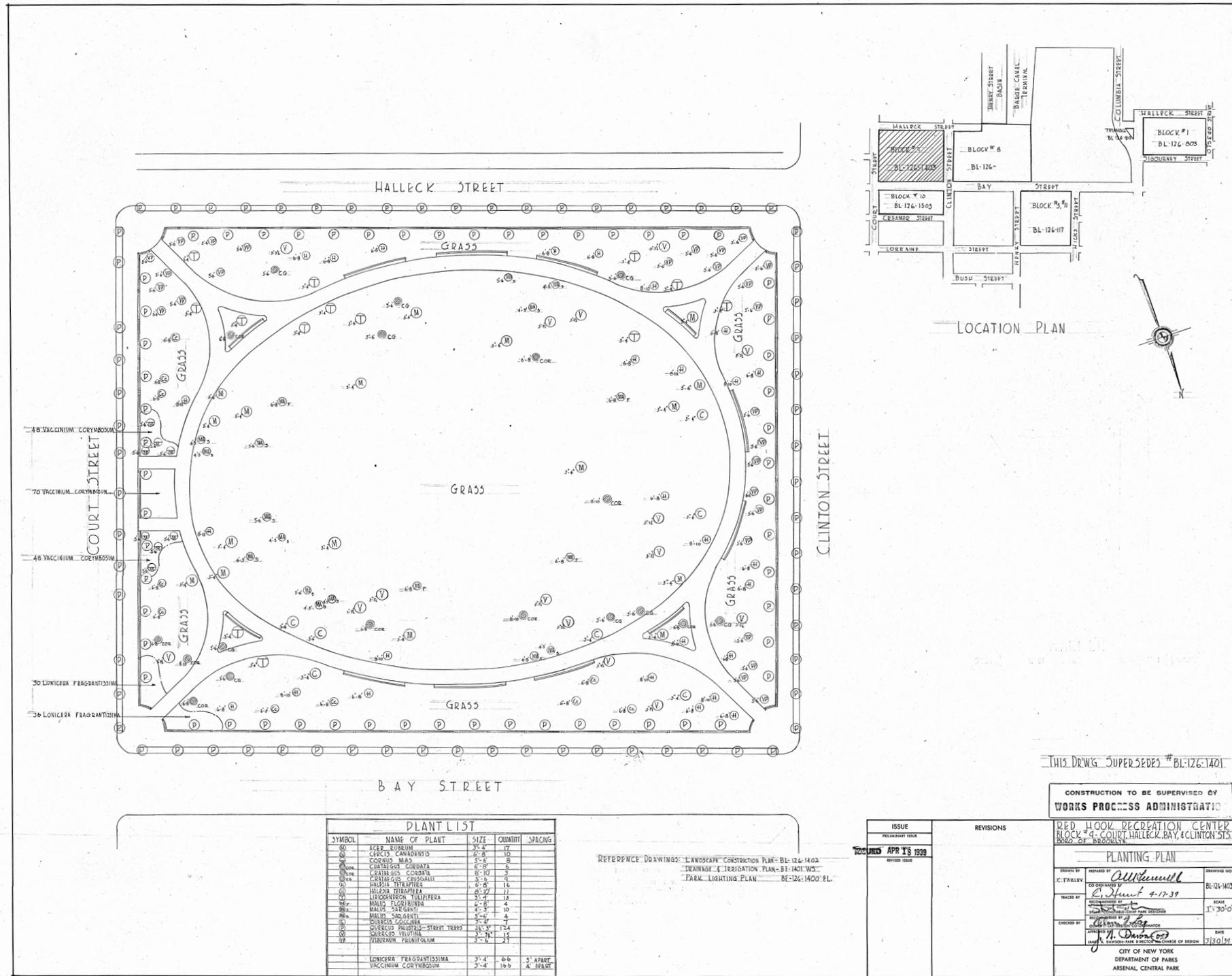


LEGEND



NEW LED SPORTS FIELD LIGHTING WITH 70'-0" POLE





SYMBOL	NAME OF PLANT	SIZE	QUANTITY	SPACING
100	ACER RUBRUM	6'-8"	17	
101	CERCIS CANADENSIS	6'-8"	10	
102	CORNUS MAJ	5'-0"	8	
103	CRATAEGUS COCCINIFERA	6'-0"	5	
104	CRATAEGUS COCCINIFERA	6'-0"	5	
105	HALSIA TERAPIFERA	6'-0"	15	
106	HALSIA TERAPIFERA	6'-0"	11	
107	LIGUSTRUM TOULIEREA	5'-4"	13	
108	MALES TIGRIBUNIA	6'-0"	4	
109	MALES TIGRIBUNIA	6'-0"	10	
110	MALES TIGRIBUNIA	6'-0"	4	
111	QUERCUS COCCINIFERA	6'-0"	4	
112	QUERCUS PALMATA - STREET TREE	6'-0"	124	
113	QUERCUS TURTUR	5'-4"	15	
114	VIBURNUM PRUNITIFOLIUM	5'-4"	27	
115	LONGICERA FRAGRANTISSIMA	3'-4"	54	5' APART
116	VACCINIUM COXYMBOSUM	3'-4"	189	4' APART

REFERENCE DRAWINGS: LANDSCAPE CONSTRUCTION PLAN - BL-126-1402
 DRAINAGE & IRRIGATION PLAN - BL-126-1403
 PARK LIGHTING PLAN - BL-126-1400-EL

ISSUE	REVISIONS
PRELIMINARY ISSUE	
ISSUED APR 13 1939	
REVISED ISSUE	

THIS DRAWING SUPERSEDES # BL-126-1401

CONSTRUCTION TO BE SUPERVISED BY
WORKS PROCESS ADMINISTRATOR

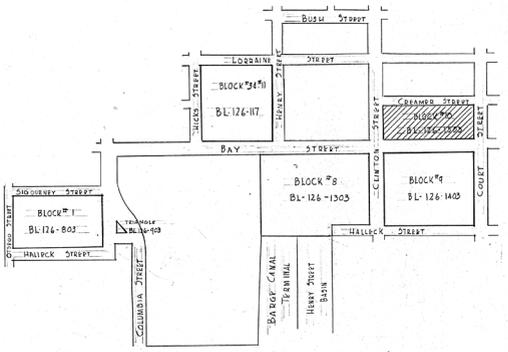
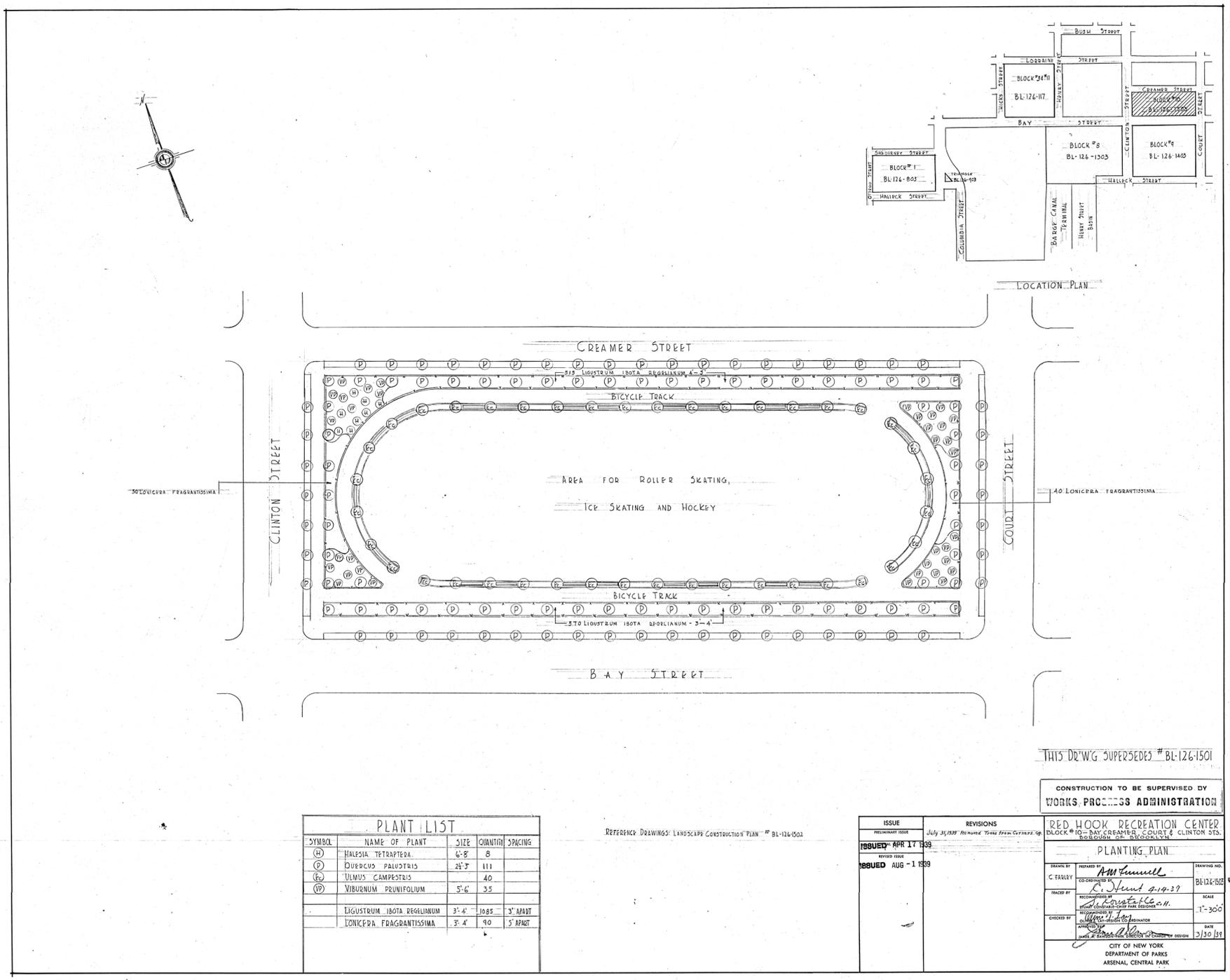
RED HOOK RECREATION CENTER
 BLOCK # 9 - COURT, HALLOCK, BAY, & CLINTON STS.
 BOOY OF BROOKLYN

PLANTING PLAN

ISSUED BY: *William Mill* DRAWING NO.: BL-126-1403
 COORDINATED BY: *E. Hunt 4-17-39* SCALE: 1"=30'-0"

TRACED BY: *[Signature]*
 CHECKED BY: *[Signature]* DATE: 3/30/39
 APPROVED BY: *[Signature]*
 JAMES A. DUNN, CHIEF OF DESIGN

CITY OF NEW YORK
 DEPARTMENT OF PARKS
 ASSESSOR, CENTRAL PARK



PLANT LIST

SYMBOL	NAME OF PLANT	SIZE	QUANTITY	SPACING
(H)	HALESIA TETRAPEDA	6'-8"	8	
(P)	QUERCUS PALUSTRIS	24"-3"	111	
(E)	ULMUS CAMPESTRIS		40	
(V)	VIBURNUM PRUNIFOLIUM	5'-6"	35	
	LIGUSTRUM IBOTA REGELIANUM	3'-4"	1085	3'-APART
	LONICERA FRAGRANTISSIMA	3'-4"	90	5'-APART

REFERENCE DRAWINGS: LANDSCAPE CONSTRUCTION PLAN # BL-126-1502

ISSUE	REVISIONS
PRELIMINARY ISSUE	July 31, 1939
ISSUED APR 17 1938	
REVISED ISSUE	
ISSUED AUG - 1 1939	

THIS DR'WG SUPERSEDES # BL-126-1501

CONSTRUCTION TO BE SUPERVISED BY
WORKS PROCESS ADMINISTRATION

RED HOOK RECREATION CENTER
BLOCK # 10 - BAY CREAMER COURT & CLINTON STS.
BROOKLYN, N.Y.

PLANTING PLAN

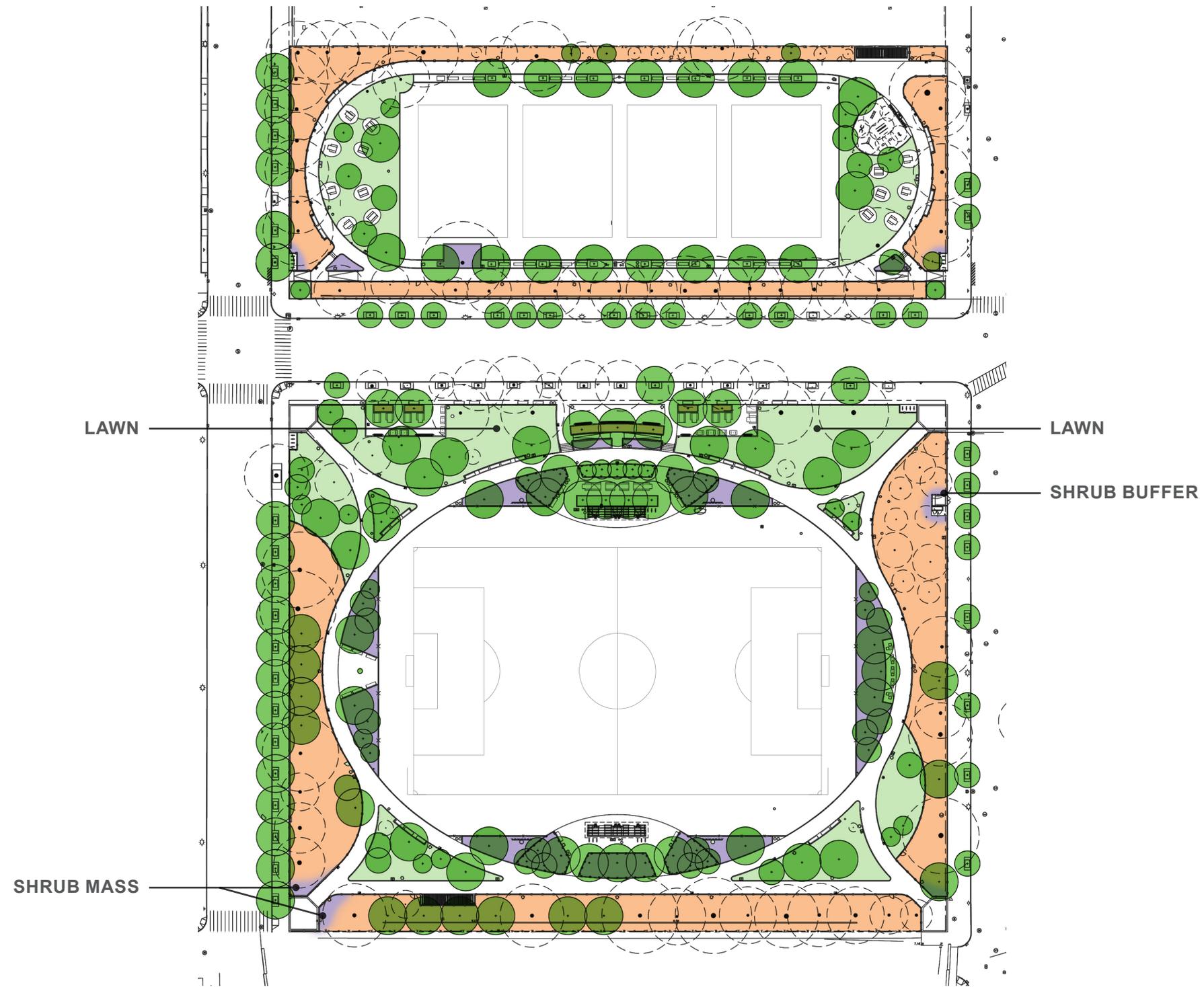
DRAWN BY	PREPARED BY	DRAWING NO.
C. FARLEY	A.M. Sumell	BL-126-1502
CHECKED BY	DATE	SCALE
R. Hunt 9-19-39		1"=30'
APPROVED BY	DATE	
[Signature]	3/30/39	

CITY OF NEW YORK
DEPARTMENT OF PARKS
ARSENAL, CENTRAL PARK



Red Hook Soccer Fields 1 and 6: Final Review

Soccer Field 6 1939 Planting Plan Record Drawing



LEGEND

- GROUNDCOVER
- LAWN
- SHRUBS/GRASSES/
GROUNDCOVERS
- PROPOSED TREE
- EXISTING TREE





Liquidambar styraciflua
'Rotundiloba'



Quercus rubra



Quercus phellos



Acer rubrum 'Sky Blaze'



Nyssa Sylvatica



Tilia cordata 'Greenspire'



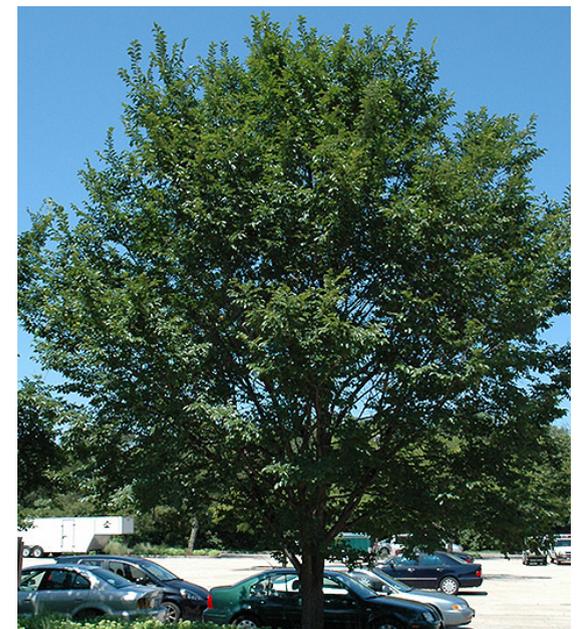
Celtis "Magnifica"



Carpinus caroliniana



Syringa Reticulata



Ulmus "Triumph"



NYC Parks



Red Hook Soccer Fields 1 and 6: Final Review Plant Palette - Trees



Prunus Okame



Cercis canadensis 'Forest Pansy'



Amelanchier canadensis
'Autumn Brilliance'



Hydrangea quercifolia



Prunus laurocerasus 'Otto Luyken'



Itea virginica



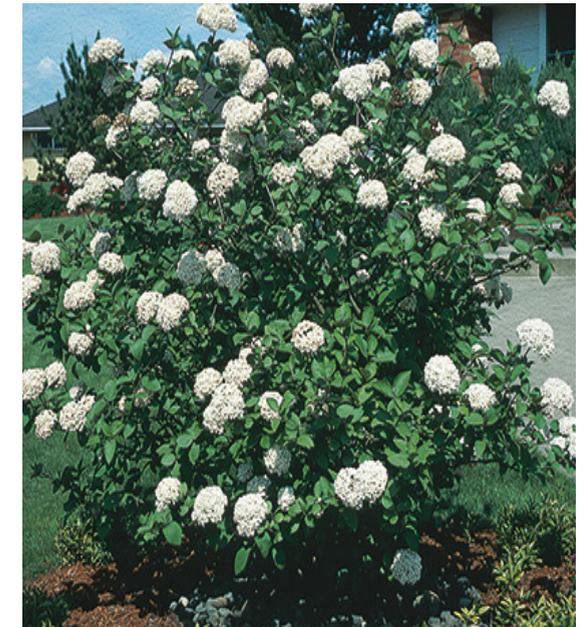
Ilex verticillata



Potentilla fruticosa



Rhus aromatica 'Gro-low'



Viburnum carlesii



Carex pensylvanica



Liriope muscari



Rudbeckia fulgida



Aster



Carex flacca



Perovskia "Little Spires"



Sporobolus "Tara"



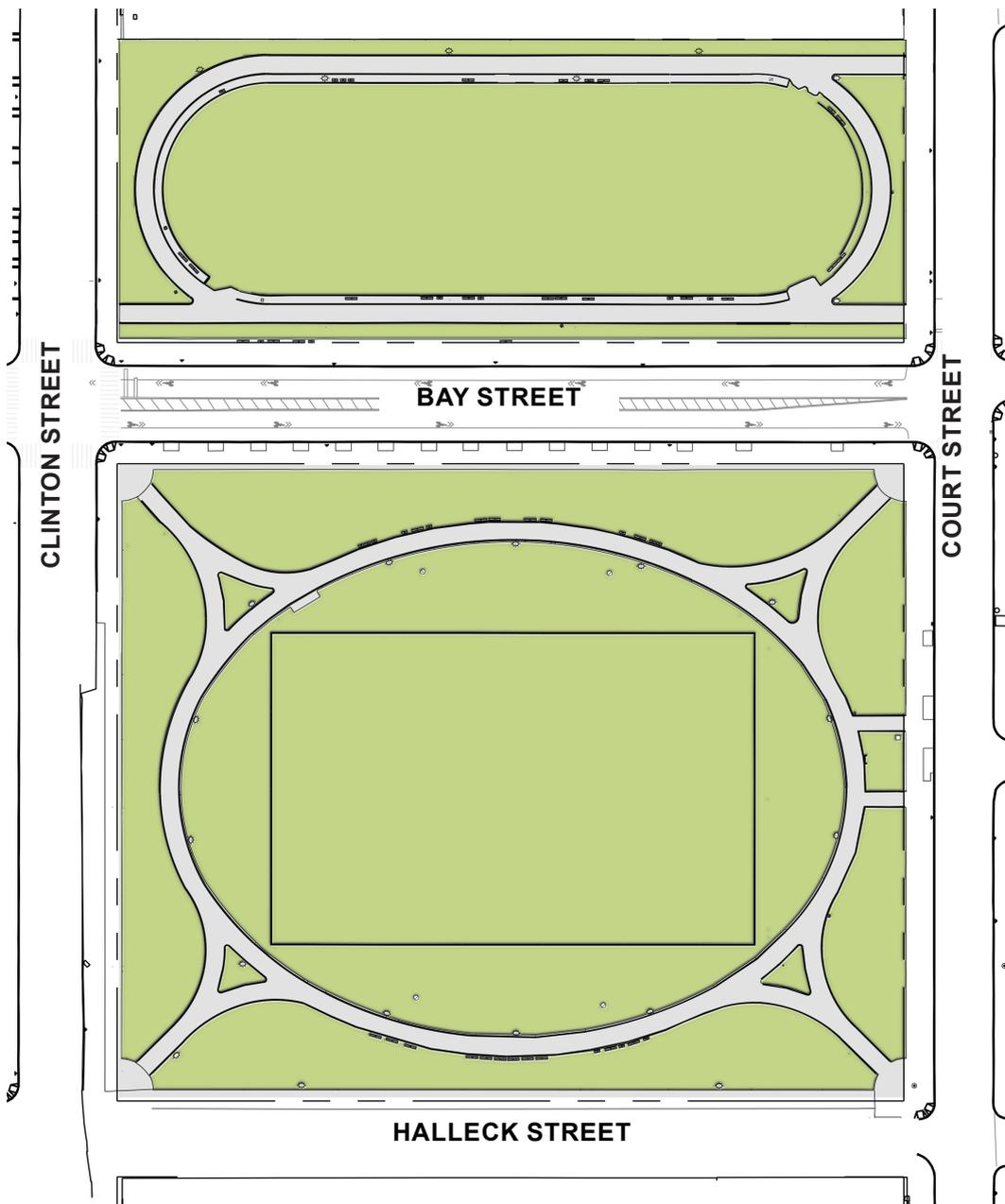
Hemerocallis



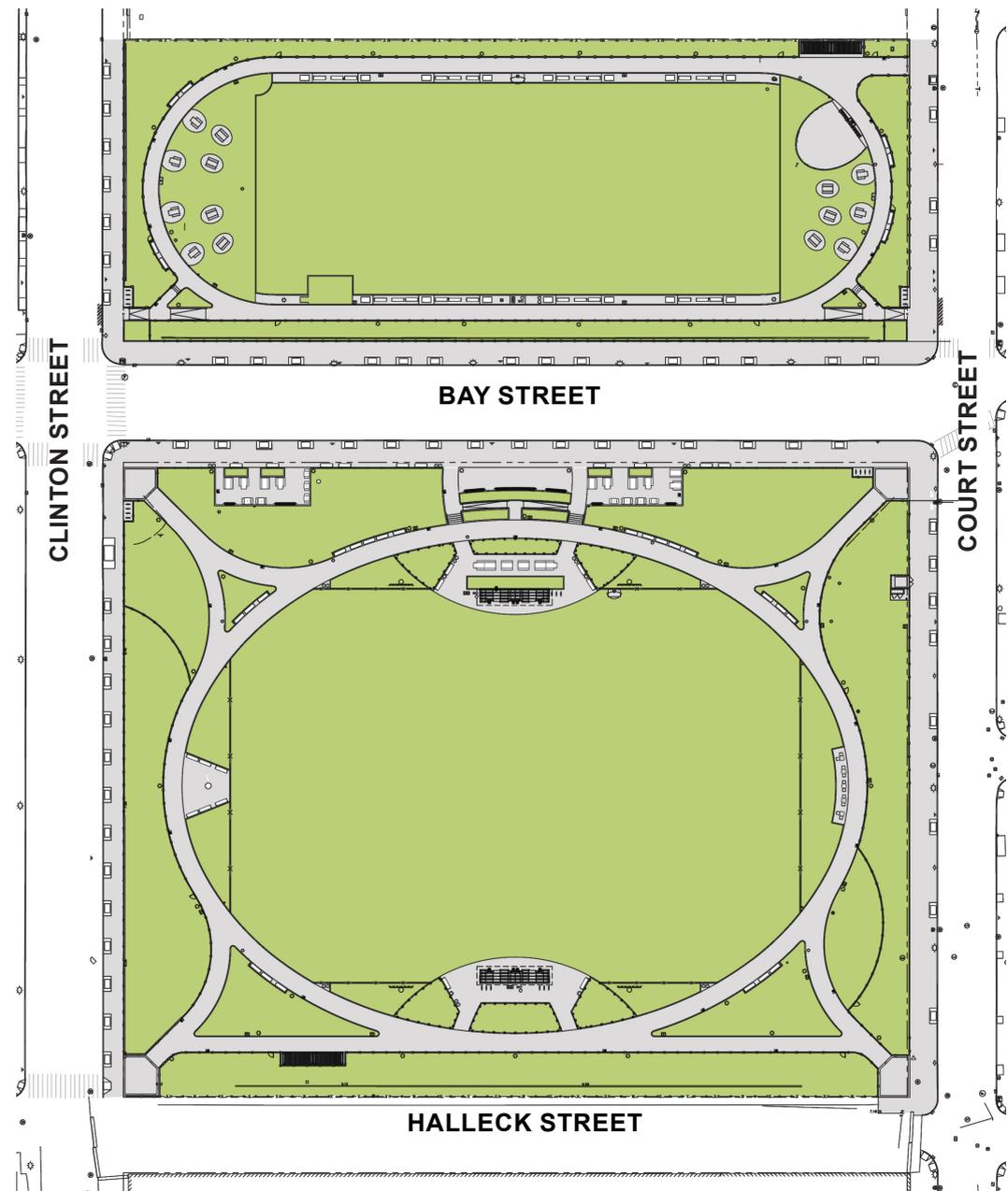
Nepeta "Walkers Low"



Sedum 'Autumn Joy'



EXISTING PERMEABILITY: 82%



PROPOSED PERMEABILITY: 74%

LEGEND

- Impermeable Surface
- Permeable Surface

Sustainable Practices

- Use recycled content material
- Use site appropriate resilient plant material

