



Parks

B057-220M Marine Park Playground (Playground 278)

Located on Fillmore Avenue between Madison Place and Burnett Street,
Marine Park, in the Borough of Brooklyn

Public Design Commission - Preliminary Review

September 14, 2020

Paul Kidonakis, NYC Parks

Goals

- Reconstruct the Existing Children's Playground
- Create an Inclusive and interactive experience
- Enhance and add environmental amenities to the site

TOTAL BUDGET: \$5.6 M - FY 2020
\$4.3M - Construction Budget
State Senate Funded

PROJECT SIZE: 1.9 acres (Playground - includes grassy buffer)



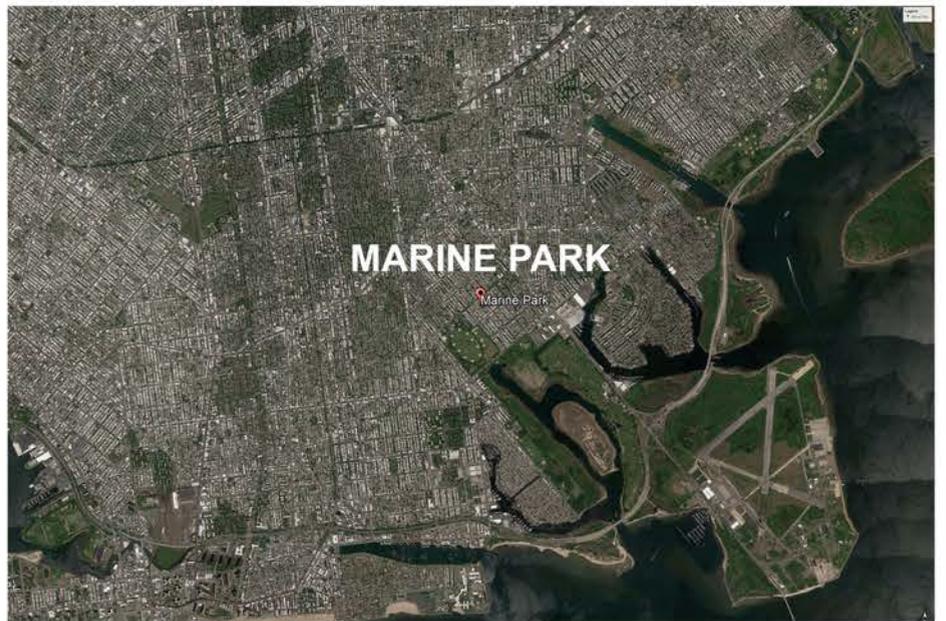
Playground Scope Items

- New Entrance on Fillmore Avenue
- Increase the play value of the playground
- Inclusive design
- Variety of Seating options for caregivers and 'Mom groups' - 'Mommy and Me'
- Security Lighting & Safety





City 2 MI



Neighborhood 1000 FT

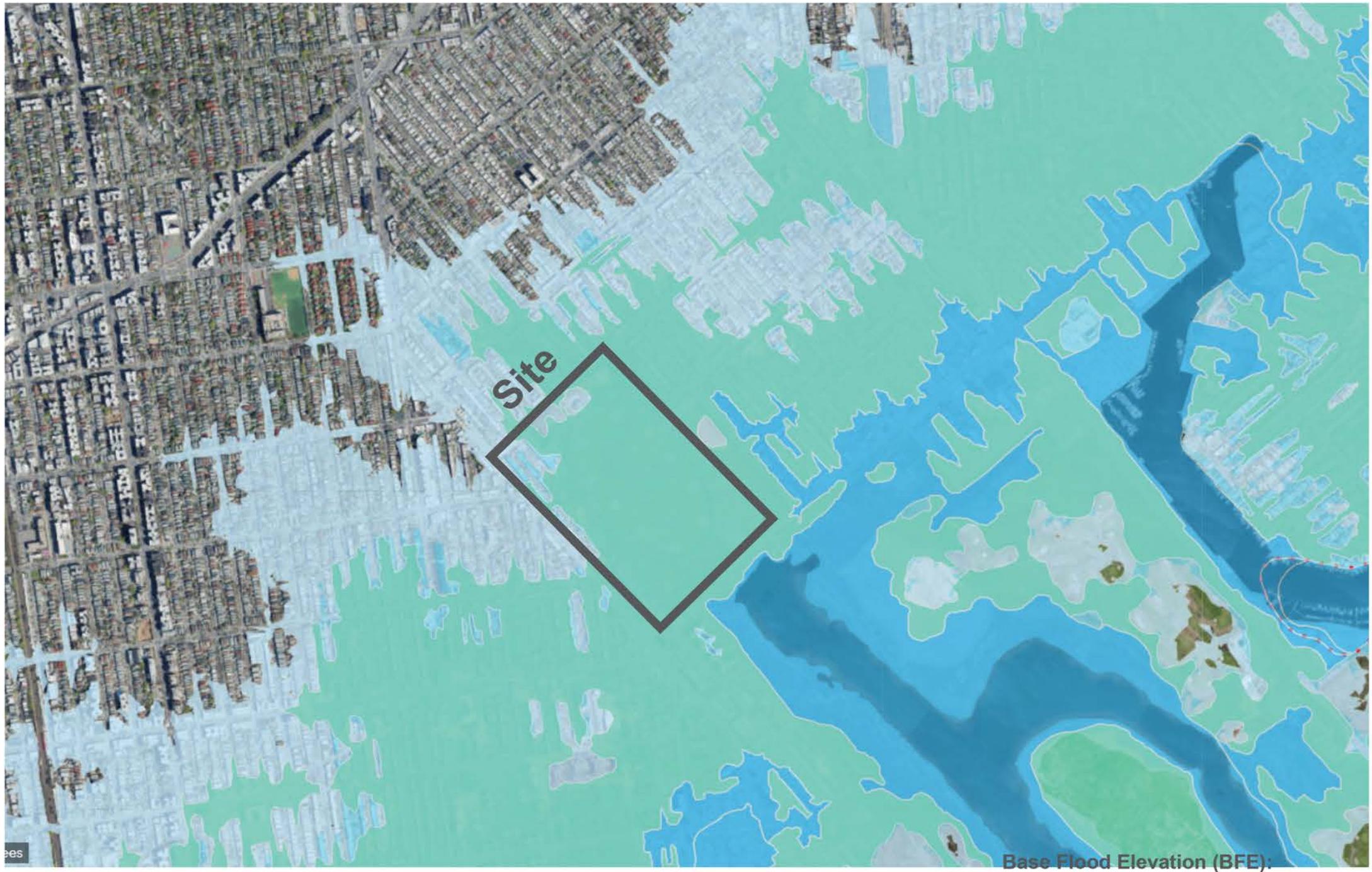


Site 200 FT



NYC Parks

Marine Park Playground | Project Location



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.

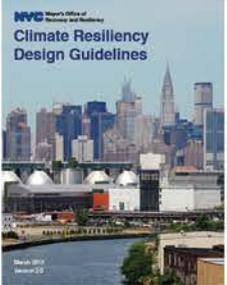
Future Floodplain 2050s

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

Further Information:

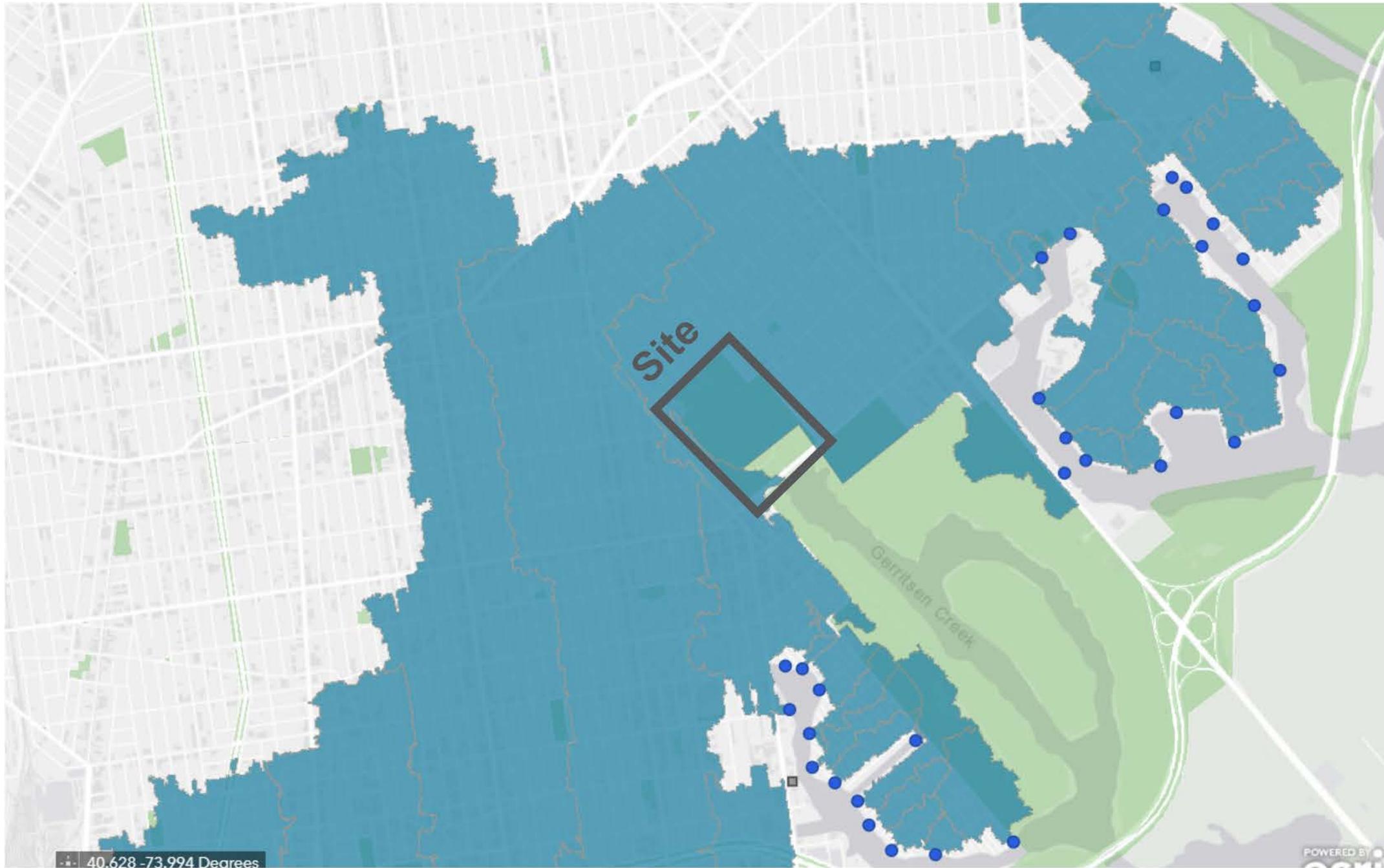


NYC Parks: Design and Planning for Flood Resiliency



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.

Source: <https://www1.nyc.gov/site/dep/water/municipal-separate-storm-sewer-system.page>

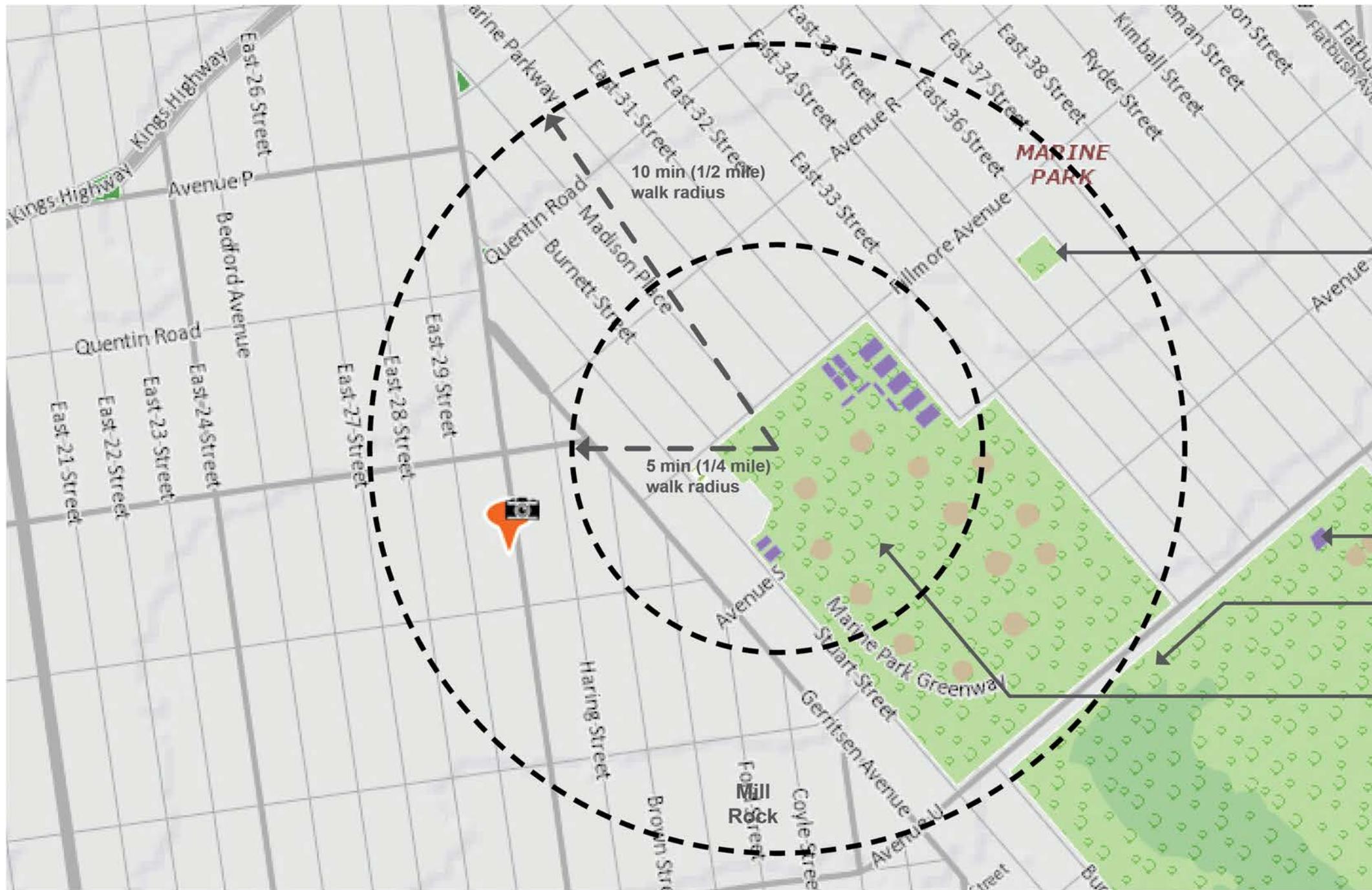




Land Use Categories

- 1 And 2 Family Residential
- Multi-Family Residential
- Mixed Use
- Open Space And Outdoor Recreation
- Commercial
- Institutional
- Industrial
- Parking
- Transportation / Utilities
- Vacant Lots





Lott House
Historic House

Lenape Playground

Salt Marsh Nature Center
Nature Center and Trails

Marine Park
Basketball
Handball
J.H.S. 278 Playground
Bocce Courts
Tennis Courts
Handball
13 Baseball Fields
Senior Center
Adult Fitness
Walking/Biking Paths
Sitting Areas



Marine Park Playground | Neighborhood Context



Reconstructed in 2017
 Tennis Courts
 Handball
 Bocce Courts
 Adult Fitness
 Basketball
 Seating Area

Community Center

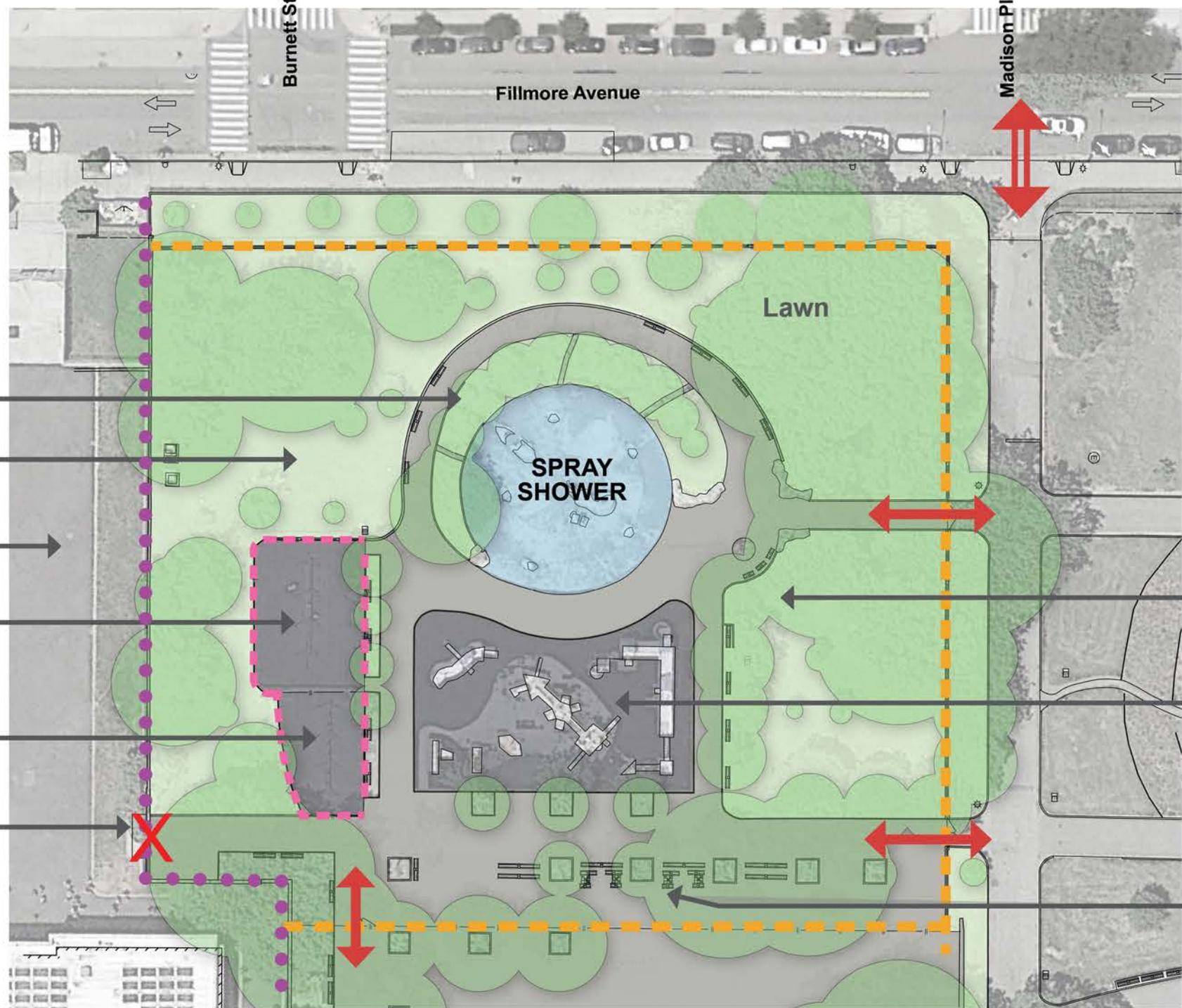
Marine Park Playground
 Current Project

J.H.S. 278

Marine Park Oval



Marine Park Playground | Existing Park Amenities



Legend

-  Park Entrance - Pedestrian and Vehicle
-  Existing Gate/ Pedestrian Entrance
-  Existing 5'-0" HT SPF
-  Existing CLF
-  Existing 4'-0" SPF

- Arc of Cedars
- Lawn Surrounding Playground (typ)
- J.H.S. 278
- 10'-0" 5-12 Swings
-3 bays
- Tot Swings
-3 bays
- Previously removed Entrance to School
-No access

- Lawn Surrounding Playground (typ)
- Play Equipment
- Sitting Area with Benches and Game Tables





1 - 5-12 Swings



2 - Seating Nook





1- Spray Shower



2 - Atlas Cedars Lining Spray Shower





1- Play Units



2 - Play Units





1- Play Units



2 - Play Units



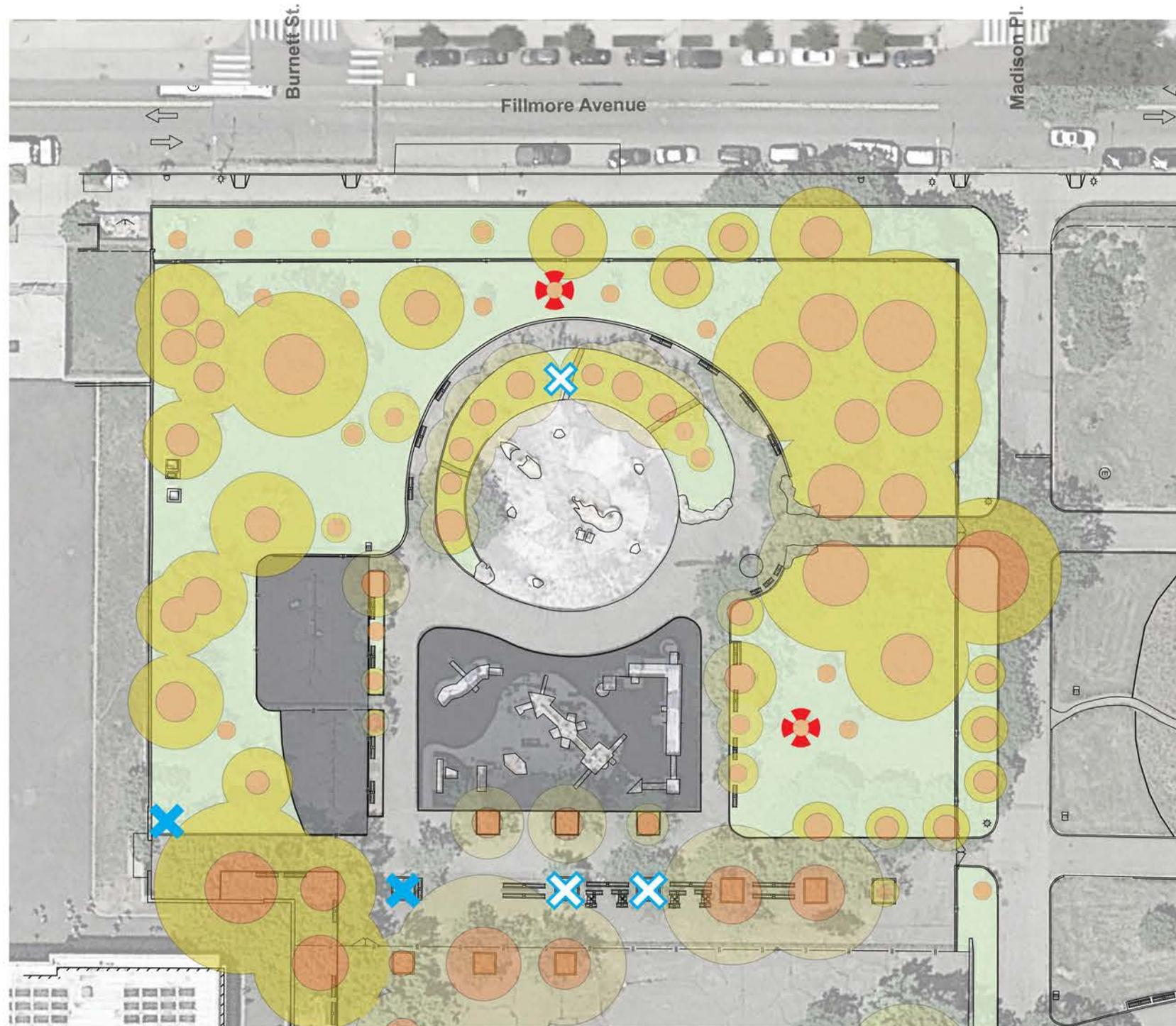


1- Play Units



2 - Seating & Game Tables





Legend

-  Critical Root Zone
-  Structural Root Zone
-  Critical Root Zone Beyond existing raised curbs
-  Poor Condition Tree Removal
-  Design Based Removal
-  Transplant Tree

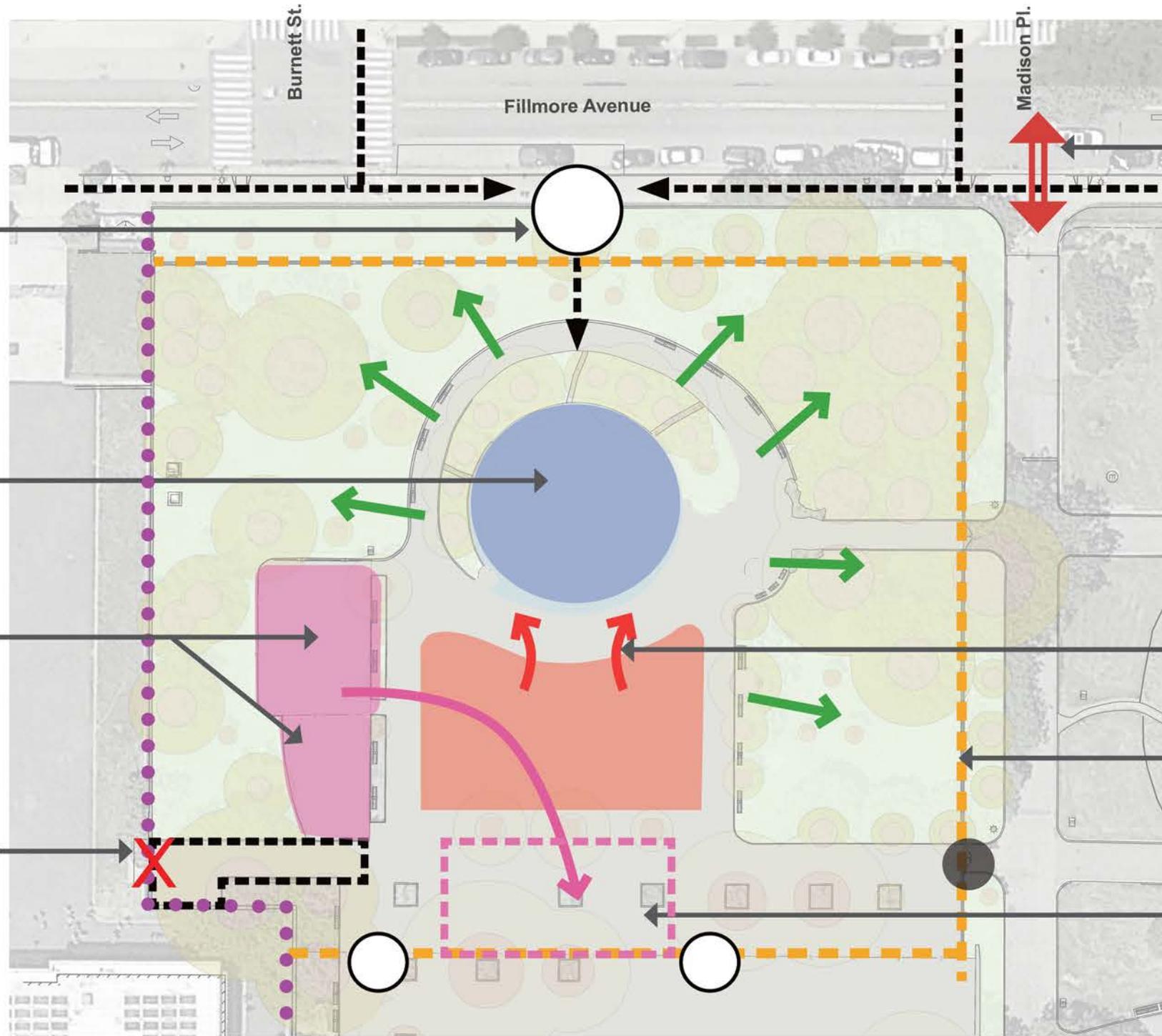
General:
Opportunity to utilize existing hardscape for playground expansion

Opportunity to create separated entrance to playground on Fillmore Avenue between crosswalks for safer and shorter travel distance

4,500 sf Spray Shower
-Opportunity to reduce size for added amenities

Existing consolidated swings
-Opportunity to separate age groups
-Opportunity to incorporate additional play

Previously removed Entrance to School
-Opportunity to reclaim hardscape



Legend

-  Proposed Entrance
-  Existing Entrance
-  Circulation
-  Program
-Colors Vary
-  Existing 5'-0" SPF
-  Existing CLF
-  Playground connection to open lawn should remain

Pedestrian Circulation Conflict

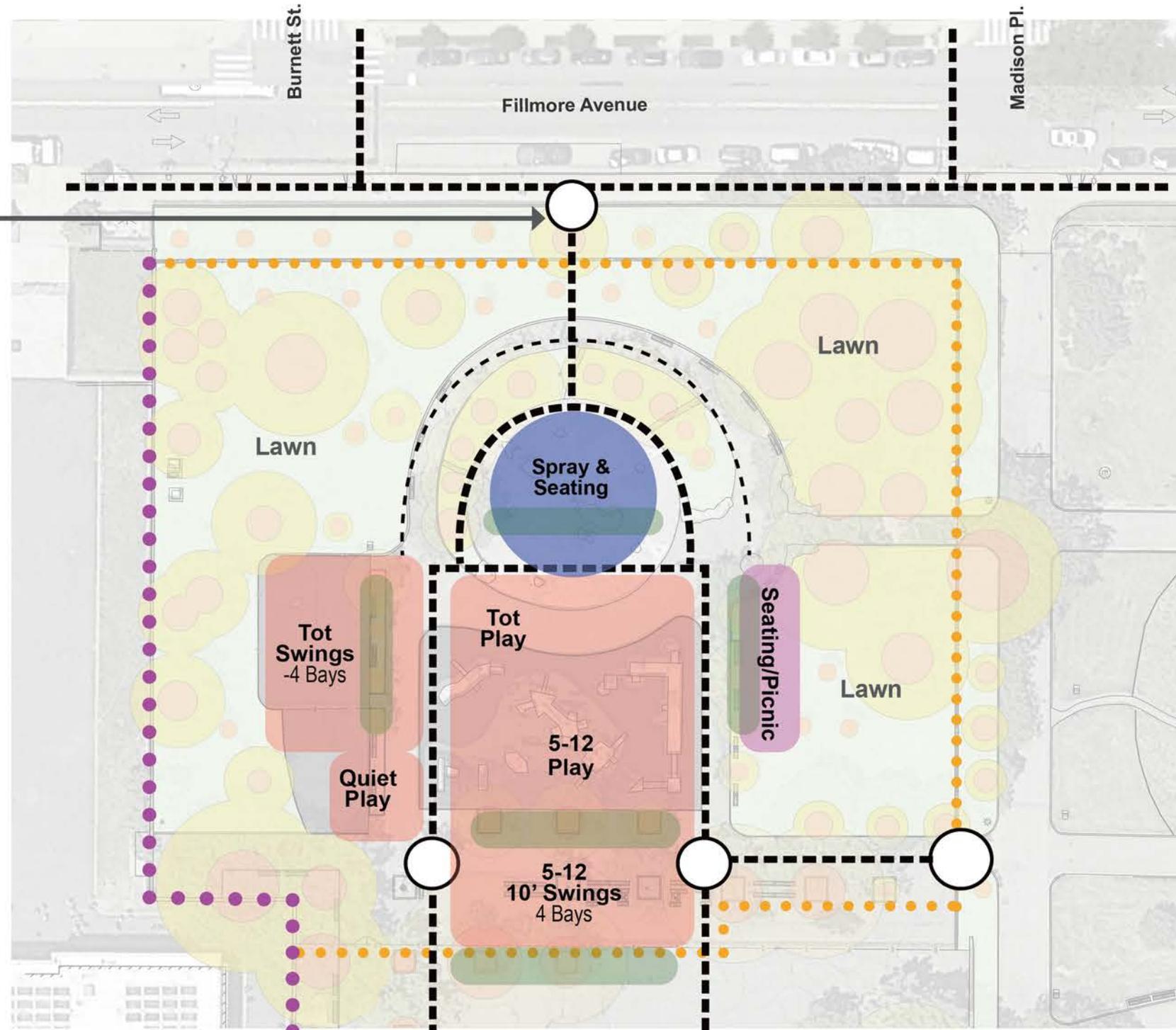
Opportunity to expand play within existing hardscape

Existing Perimeter SPF in good condition
-Opportunity to minimize fencing within playground

Existing Sitting area space large enough for 4 bays of 10'-0" swings
-Opportunity to expand play within existing hardscape



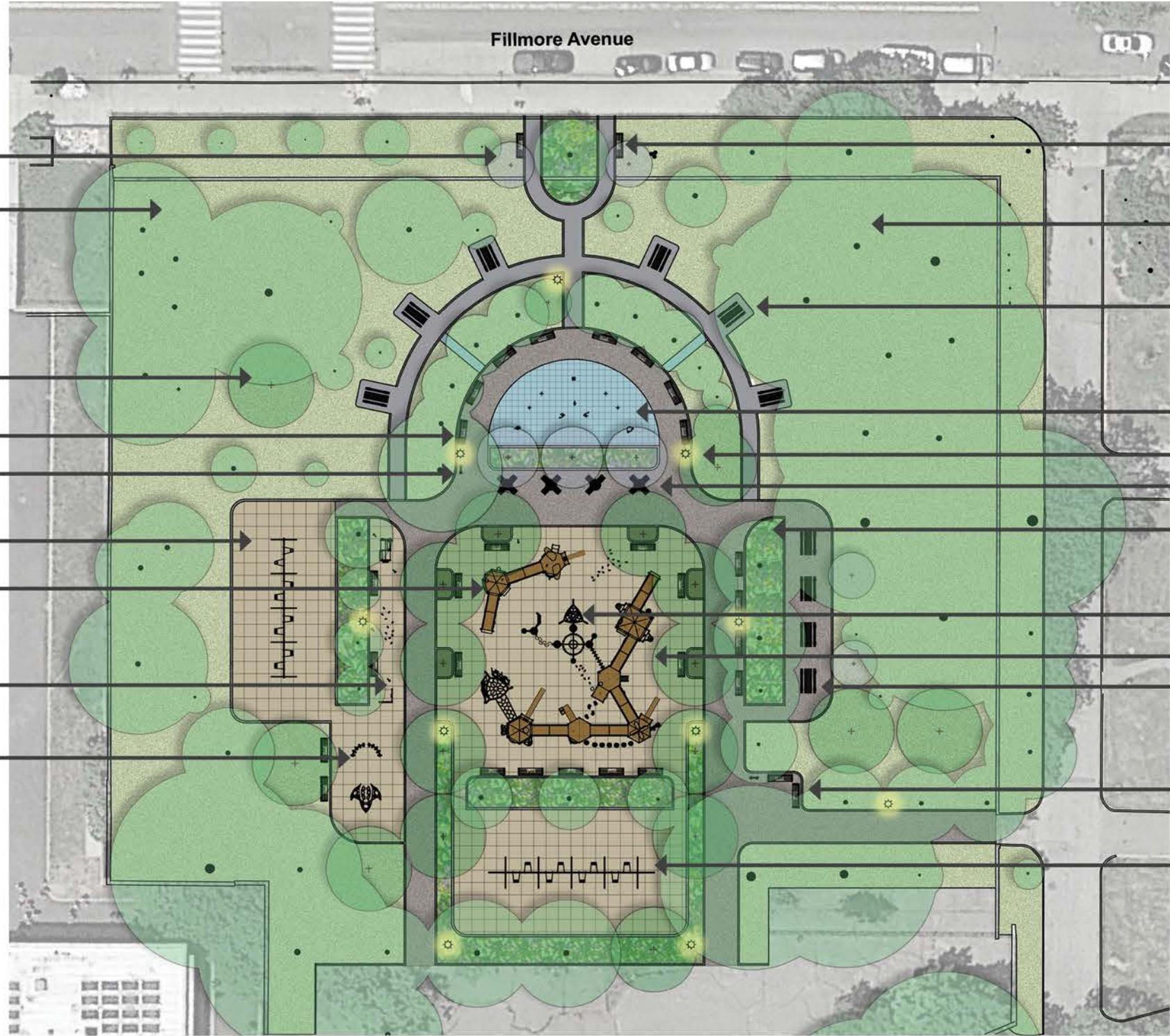
New Separated Entrance to Playground on Fillmore Avenue



Legend

- Entrance
- Circulation
- Program -Colors Vary
- Existing 5'-0" SPF
- Existing CLF





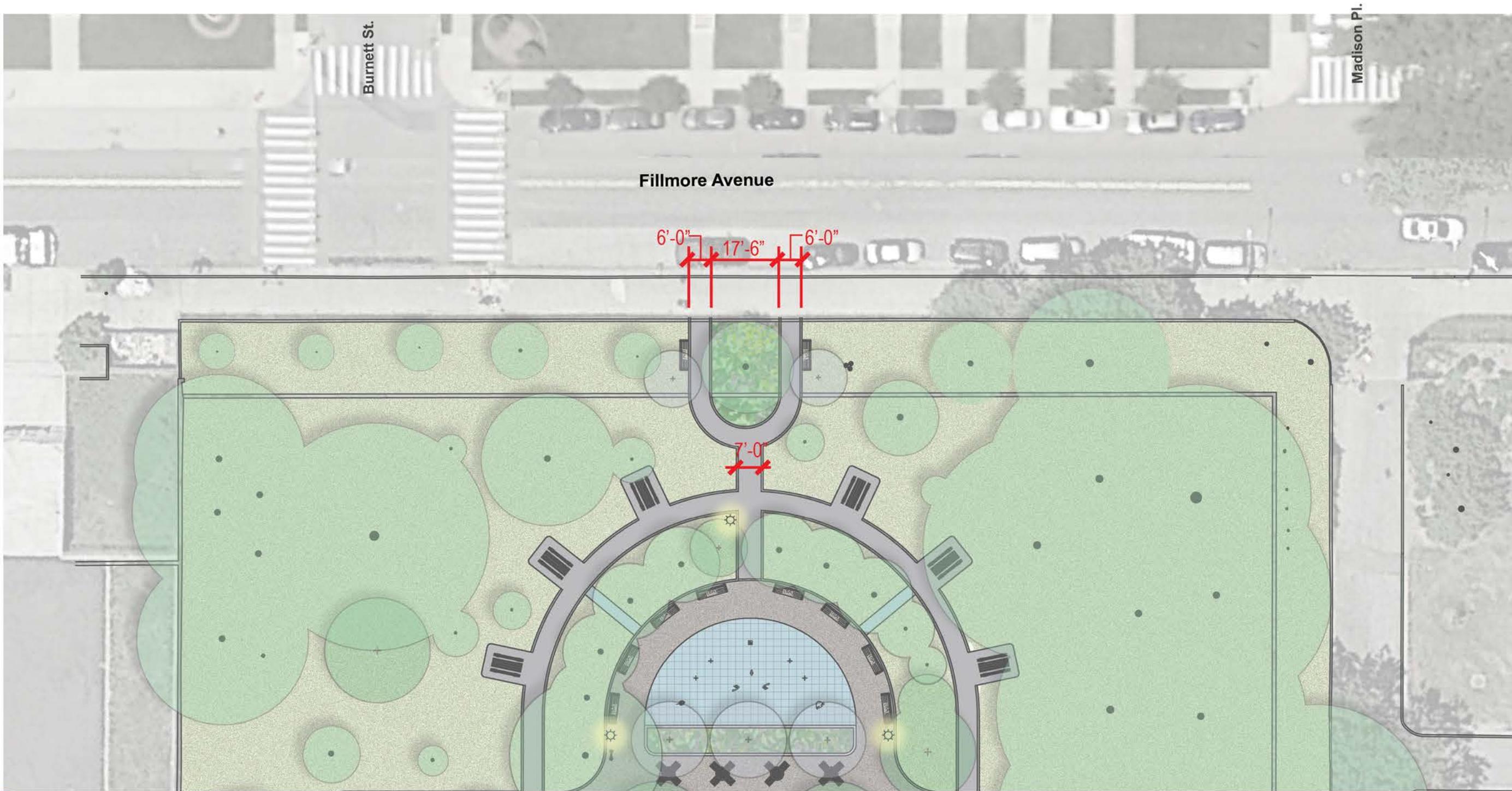
- Proposed Ornamental Tree (typ)
- Existing Tree (typ)
- Proposed Shade Tree (typ)
- 1939 World's Fair Bench (typ)
- Drinking Fountain
- Tot Swings with ADA Seat
-4 Bays
- Tot Play Unit
- Tot Ground Level Play
- Quiet Play

- New Entrance with Special Planting and Benches
- Open Lawn (typ)
- Path with Picnic tables
- Spray Shower
- Lamp Post (typ)
- Cafe Tables and Chairs
- Ornamental Interior Planting - Shrubs
- 5-12 Climber
- 5-12 Play Unit
- Picnic Tables
- Entrance Seating Nook
- 10'-0" 5-12 Swings - 4 Bays



Marine Park Playground | Proposed Schematic Plan





Marine Park Playground | Entrance Dimensions



Proposed Ornamental Tree (typ)

Full Depth Asphalt Pavement throughout exterior path and entry

Asphalt Hex Block Pavement throughout interior playground

Proposed Shade Tree (typ)

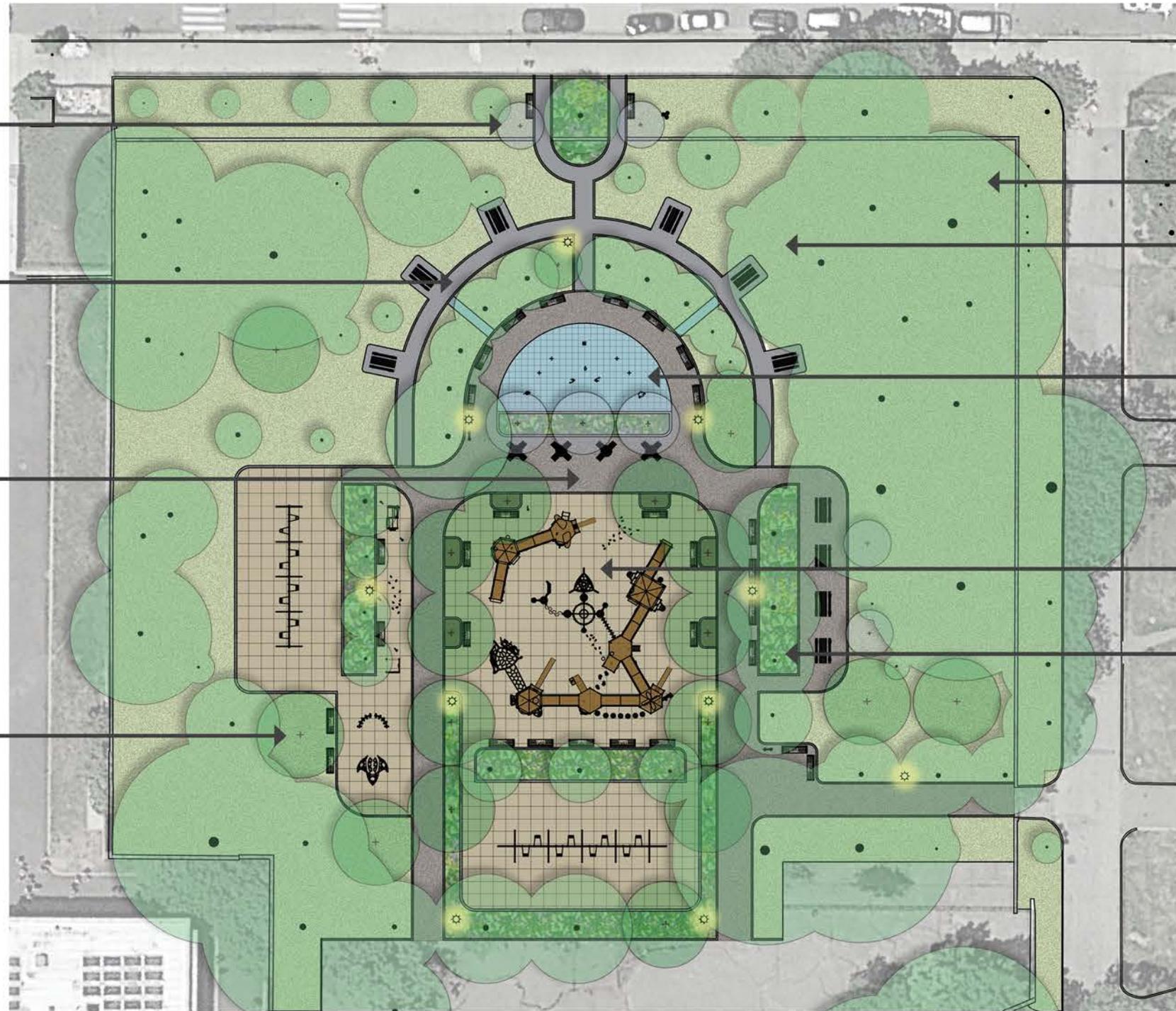
Existing Trees (typ)

Lawn (typ)

2'x2' square cut Bluestone Pavement -Thermal Finish

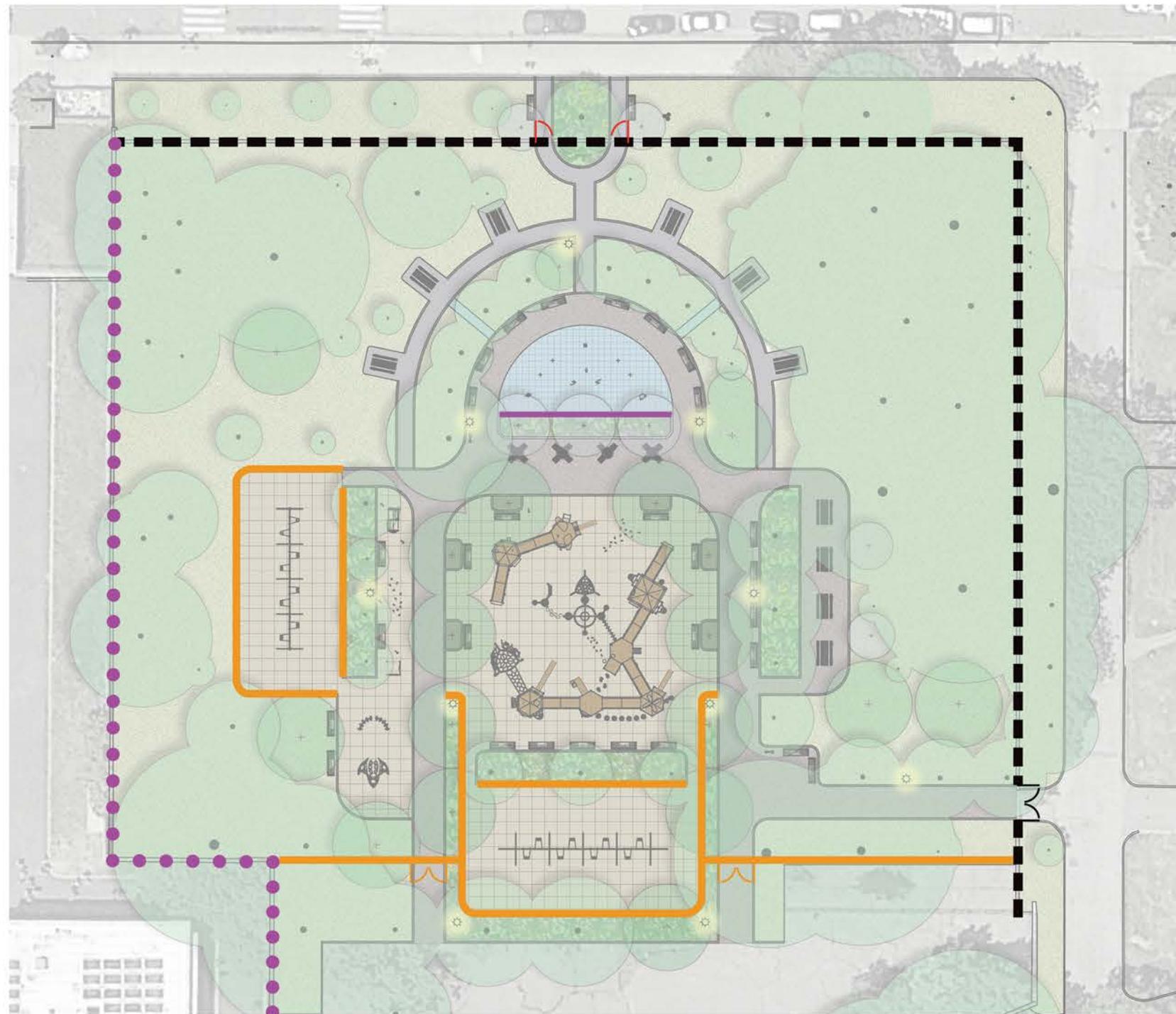
Safety Surfacing -Tan Marble in alternating checker pattern

Interior Plantings: Shrubs (typ)



Marine Park Playground | Pavements and Planting



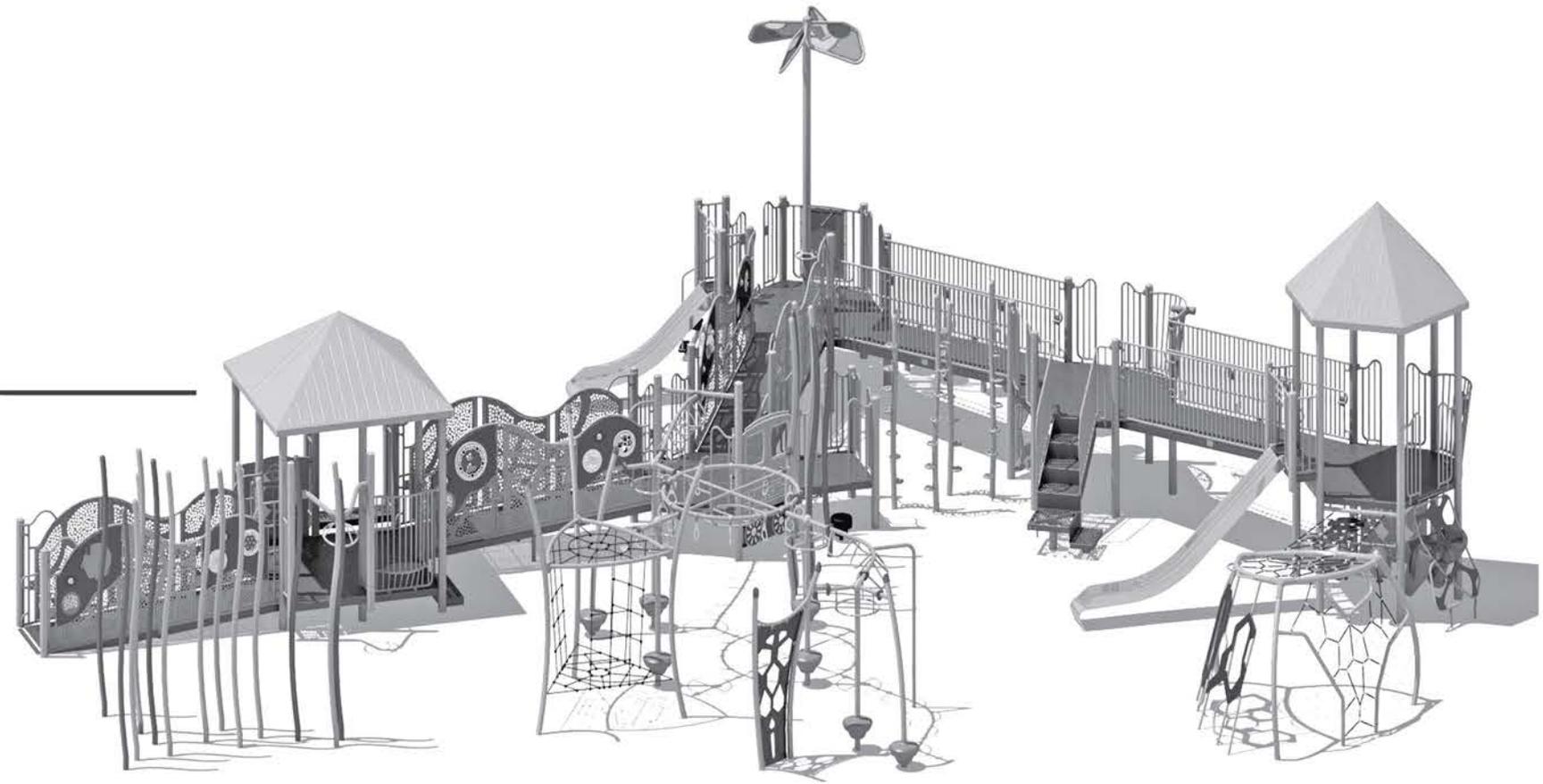


Legend

- Existing 5'-0" HT SPF
- Existing 12'-0" CLF
- Proposed 3'-0" SPF
- Proposed 2'-0" SPF
- ⌋ Existing Double Gate for 5'-0" SPF
- ⌋ Proposed Double Gate for 3'-0" SPF
- ⌋ Proposed Single Gate for 5'-0" SPF



10'-0" 5-12 Swings
(4 Bays)



5-12 Ramped Unit

Play Equipment Colors

								
Wavy Grass -Spring Green, Green, Dark Green			Posts -Metallic	Rails & Roofs -Periwinkle	Decks -Gray	Climbers & Panels -Dark Blue	Panels -Spring Green	Accents -Yellow

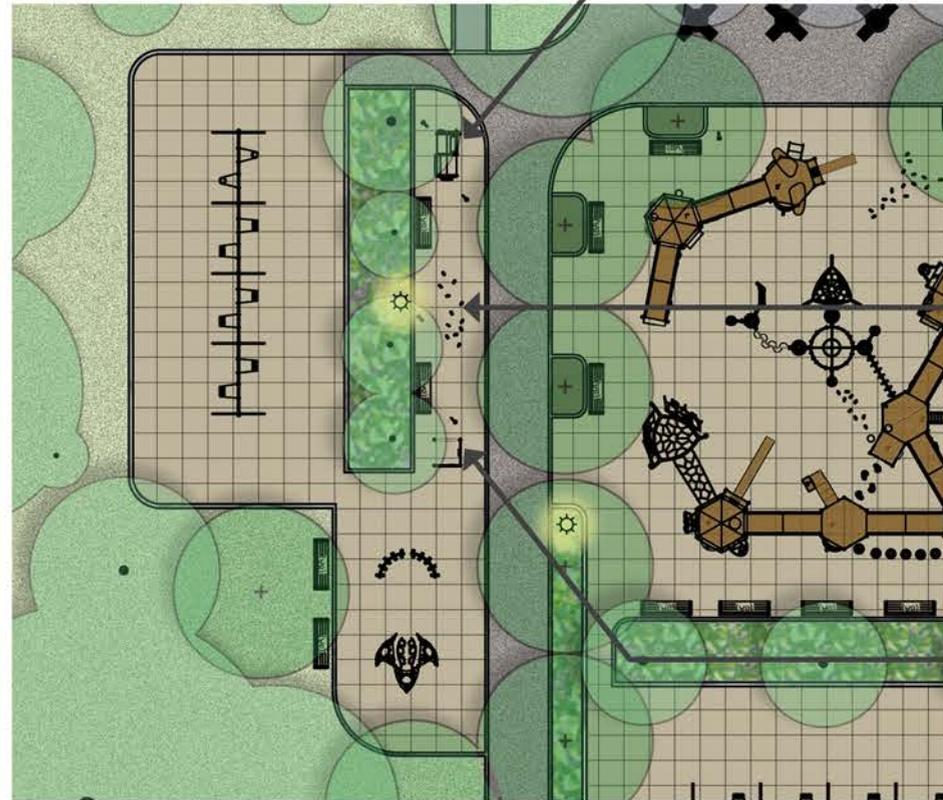
Tot Swings (4 Bays)
w/ ADA Swing



2-5 Ramped Unit

Play Equipment Colors





Nature Playhouse



Wavy Grass



Walk Through Panel



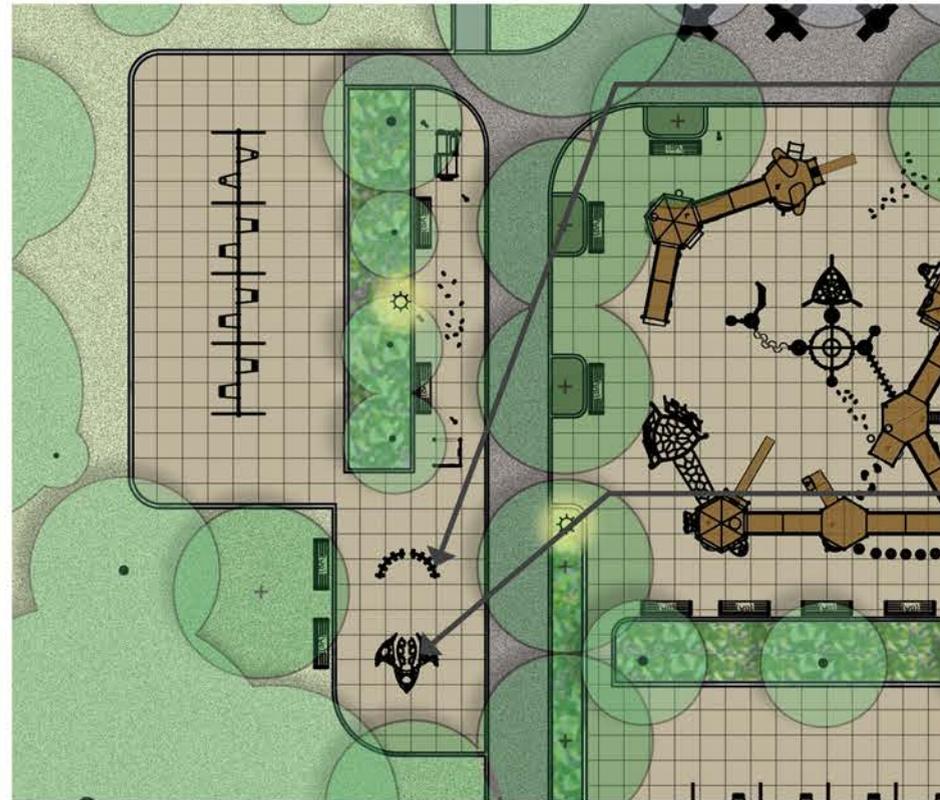
Bubble Panel



ABC Panel

Play Equipment Colors





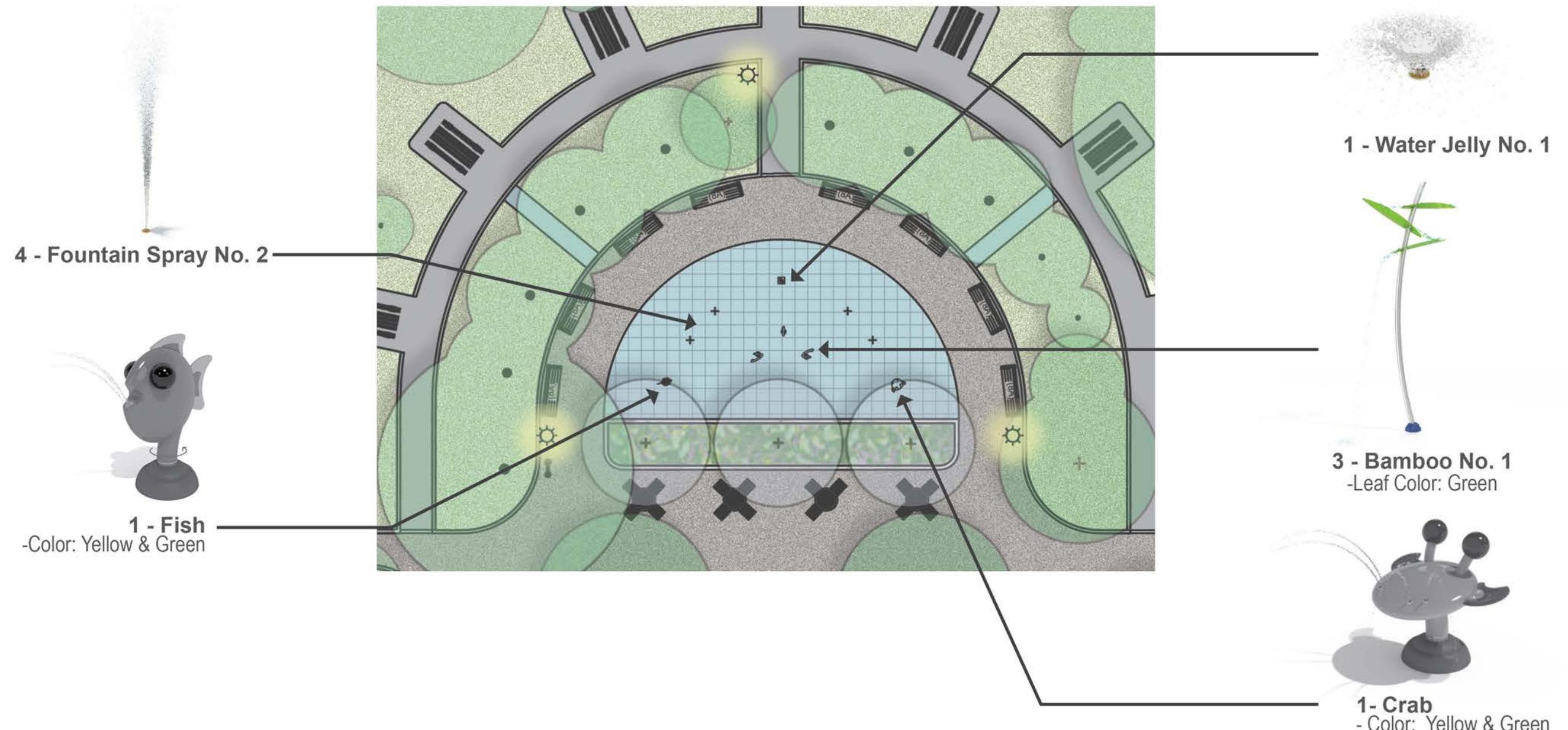
Caterpillar Climber



Sensory Dome

Play Equipment Colors







Type B-12 w/
Riverside Luminaire



Saxony ADA Table and Chair Set
-Color: Black



Type E Drinking Fountain Hi-Lo



Type A (1939 WF) Bench w/ RPL Slats
- RPL Color: Cedar



ADA Rectangular Picnic Table w/RPL Top
- RPL Color: Cedar



2'-0" & 3'-0" DPR Standard Picket Fence
- Color: Black



Trash Bins

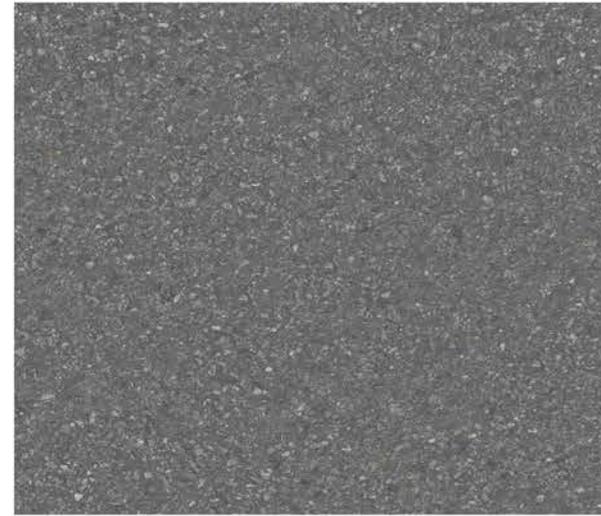




Non-Standard 5'-0" Steel Picket Gates at new Fillmore Avenue entrance to match existing



2'-0" Square Bluestone Pavement
- Thermal Finish



Full Depth Asphalt Pavement



Asphalt Hex Block Pavement
- Matrix #10



Safety Surface
-Tan Marble in alternating Checker Pattern

Play Equipment Colors



TREES



Red Maple
-Acer rubrum



Honey Locust
-Gleditsia Triacanthos



Atlas Cedar
-Cedrus atlantica



Japanese Zelkova
-Zelkova serrata



Carolina Silverbell
-Halesia carolina

SHRUBS AND GRASS



Witch Hazel 'Arnold's Promise'
-Hamamelis x intermedia



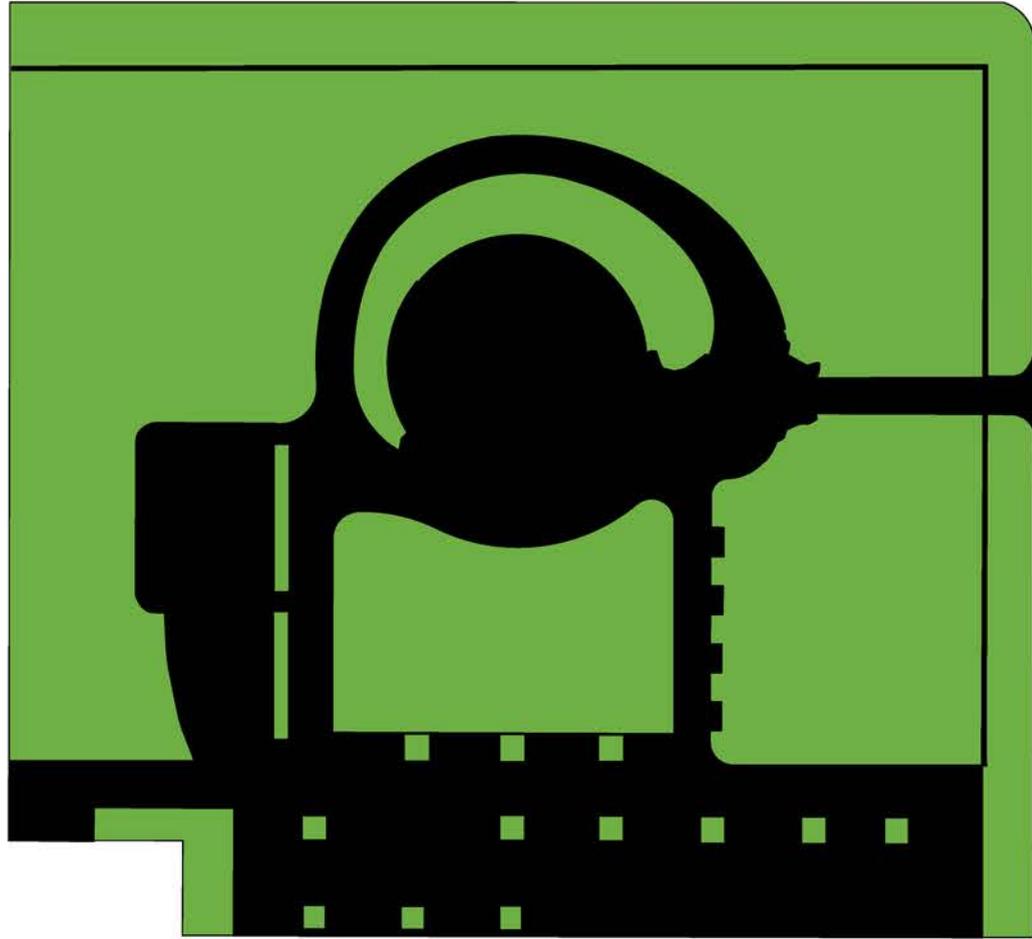
Cherry Laurel
-Prunus laurocerasus



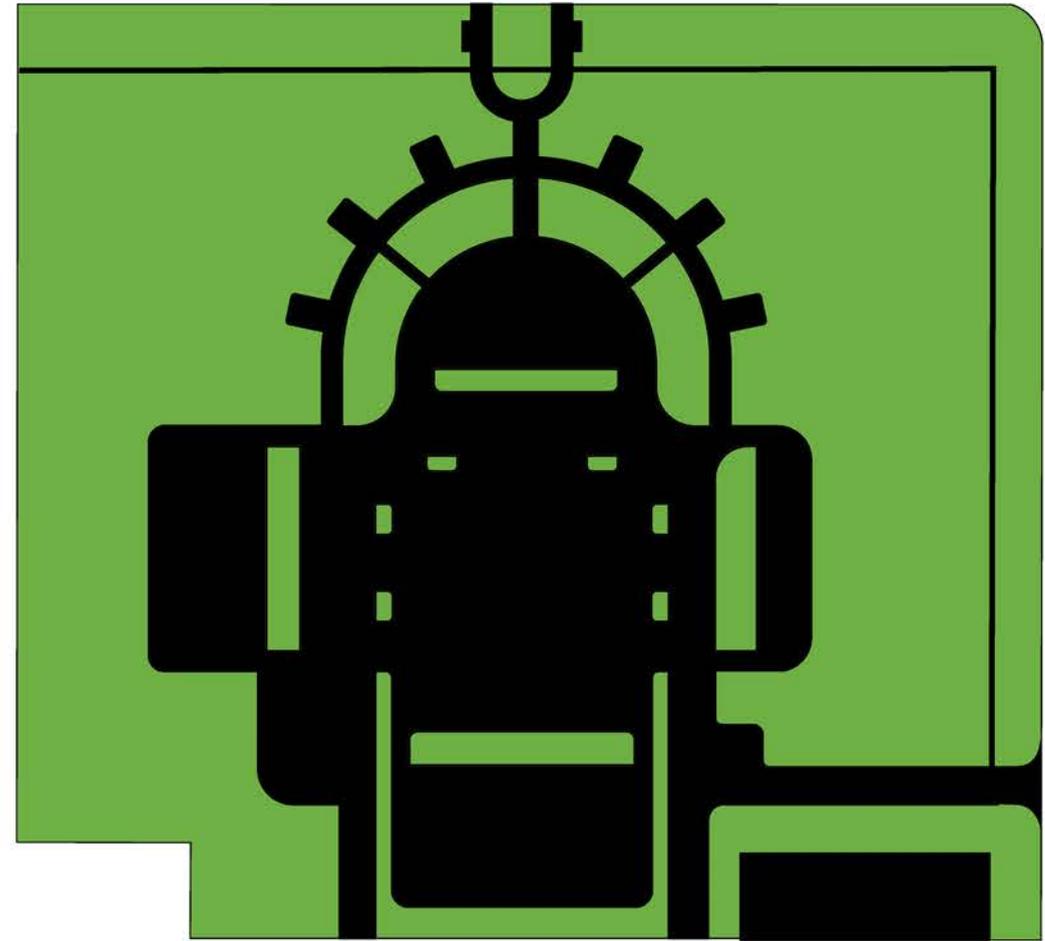
Sweetspire
-Itea virginica



Lawn

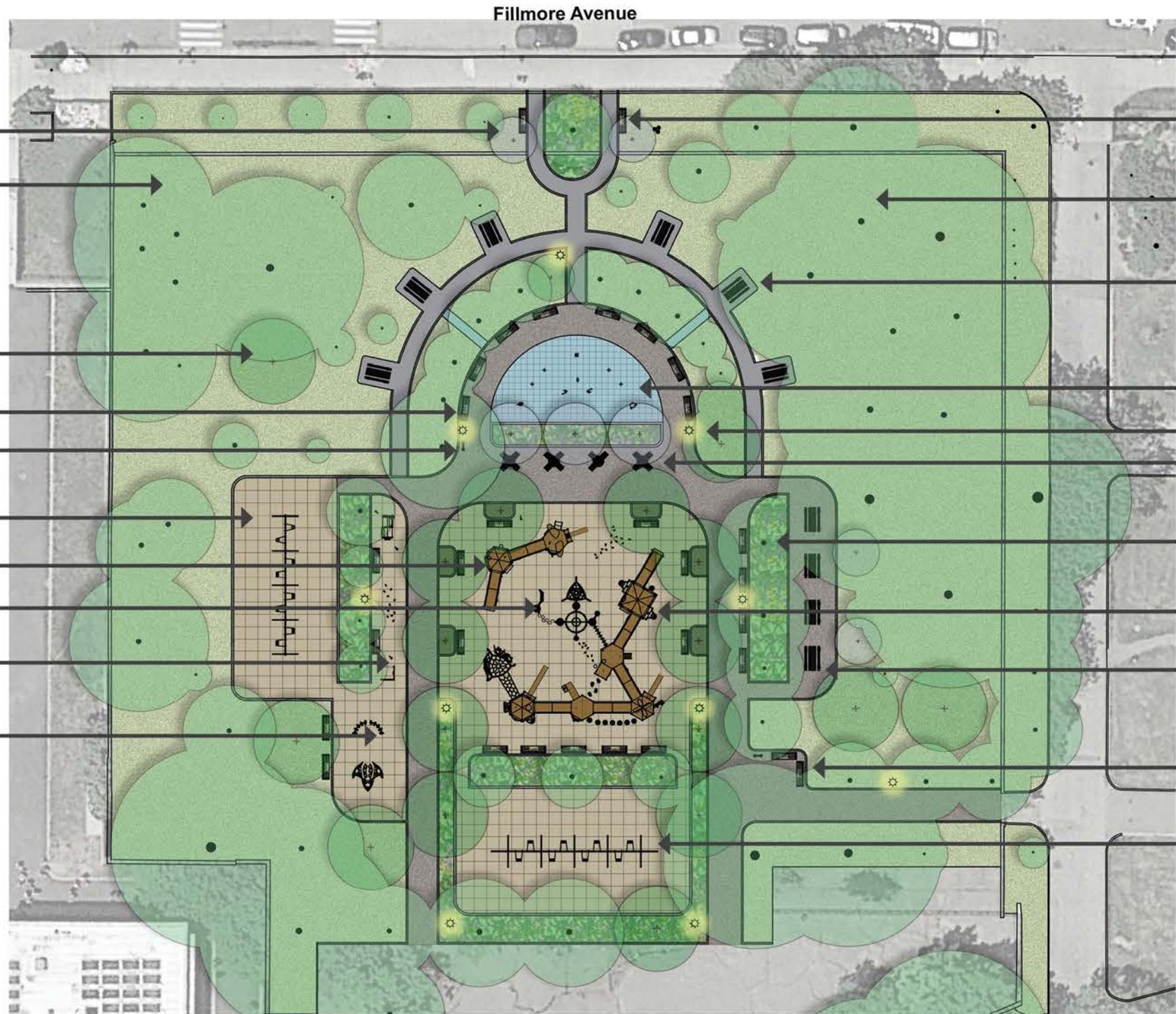


Permeability Before: 55.64% Permeable



Permeability After: 62.86% Permeable





Fillmore Avenue

- Proposed Ornamental Tree (typ)
- Existing Tree (typ)
- Proposed Shade Tree (typ)
- 1939 World's Fair Bench (typ)
- Drinking Fountain
- Tot Swings with ADA Seat
-4 Bays
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- 10'-0" 5-12 Swings
-4 Bays



Marine Park Playground | Proposed Schematic Plan

