PROJECT SCHEDULE
- WATERFRONT COMMISSION MEETING
- COMMUNITY MEETING
- WORKSESSION
- PUBLIC HEARING

ODBC DECISION
EXISTING STORM SEWER PROFILE AT RIVER
ELEVATION = 1.50 FT

- River level @1.5
- Existing Bulkhead
- Strand Grate Inlet Elev = 1.76
- Union Grate Inlet
- Lee Grate Inlet
- Storm Sewer Pipes
- Open Discharge Pipe
  River water backs up in Storm Sewer System
  (even when it’s not raining.)
EXISTING CONDITIONS - NUISANCE FLOODING AT RIVER ELEVATION = 3.0 FT
EXISTING STORM SEWER PROFILE - NUISANCE FLOODING AT RIVER ELEVATION = 3.0 FT

River level @3.0

Open Discharge Pipe
River water backs up in Storm Sewer Pipe. Overflows and spills out into the street from low storm sewer grates.

Existing Bulkhead

Strand Grate Inlet

Local Flooding

Union Grate Inlet

Lee Grate Inlet

Storm Sewer Pipes
EXISTING CONDITIONS - RIVER FLOODING AT ELEVATION = 6.0 FT
EXISTING STORM SEWER PROFILE - FLOODING AT RIVER ELEVATION = 6.0 FT

Note: The flooding is due to the overtopping of the existing bulkhead.
PROPOSED CONDITIONS WITH BULKHEAD AT ELEVATION = 6.0 FT
PROPOSED STORM SEWER PROFILE- SHOWING BY-PASS OF EXISTING STORM SEWER (BETWEEN DUKE & QUEEN STREETS)

Existing Storm Sewer System above Union St. (above EL 6.0 feet) is intercepted and rerouted through or around the waterfront neighborhood.
The collection system and pump stations are designed for drainage areas between Duke St. and Queen St. along the waterfront.
CREATE A GATHERING PLACE AT THE FOOT OF KING STREET
PROVIDE A VARIETY OF WATERFRONT EXPERIENCES
ENHANCE THE ECOLOGICAL & SUSTAINABLE SYSTEMS ALONG THE WATERFRONT
CORE AREA - DESIGN ALTERNATIVE C

OLIN
STRAND FROM UNIT BLOCK OF KING STREET LOOKING SOUTH
POINT LUMLEY PARK FROM THE WATERFRONT PROMENADE
WATERFRONT PARK - OUTDOOR MOVIE (500 PEOPLE SEATED)
WATERFRONT PARK - PERFORMANCE (1,500 PEOPLE STANDING)
FITZGERALD SQUARE - PERFORMANCE (750 PEOPLE STANDING)
FITZGERALD SQUARE - ICE SKATING (7,000 SF - 140 SKATERS)
**ICE RINK OPTIONS**

**Option 1 - Temporary**
(annual rental of all components)

**Bryant Park, NY**

**Option 2 - Permanent**
(all components purchased and installed on site)

**National Gallery of Art, DC - Standard Rink**

**Option 3 - Hybrid**
(modified mechanical system installed, other components rented annually)

**Fountain Square, OH**

**Canal Park, DC - Loop Rink**
PARK SERVICES
PROPOSED LAWN FORM

EXISTING LAWN FORM
ORONOCO TO MADISON – ORONOCO BAY PARK
RALPH’S GUTT – PROPOSED
QUEEN TO ORONOCO – FOUNDERS PARK
FOUNDERS PARK - EXISTING
COMMON ELEMENTS – ART & HISTORY

OLIN
BOXCAR PERFORMANCE

OLIN
EDUCATIONAL ELEMENTS
EMBRACE HISTORY
CONTINUOUS PATH WITH LOWER PATH & NATURALIZED SHORE
CONTINUOUS PATH WITH BOULDER STEPS
PROMENADE WITH LOWER DECKING

1' GRANITE BANDING WITH INSCRIPTION
10' PATHWAY RESIN BOUND AGGREGATE
22' WATERFRONT PROMENADE
4' BRICK PAVING
BULKHEAD

DOUBLE LUMINAIRE
PILE SUPPORTED LOWER DECK

6' - 10 YEAR STORM
2' - MEAN HIGH TIDE
2' - MEAN WATER LEVEL
-2' - MEAN LOW TIDE

OLIN
PROMENADE AT GRAND STAIRS
<table>
<thead>
<tr>
<th></th>
<th>SOCIAL</th>
<th>MATERIALS</th>
<th>HABITAT ENHANCEMENT THROUGH PLANTING</th>
<th>ENERGY</th>
<th>WATER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Quality of the space</td>
<td>Durability / Maintenance</td>
<td>Native / Adaptive / Biodiversity / Low maintenance</td>
<td>Renewable Solar / Urban heat island mitigation / Efficient Lighting</td>
<td>Quality / Stormwater Management / Potential for Reuse</td>
</tr>
<tr>
<td>WILKES – DUKE</td>
<td><img src="circle.png" alt="High Potential" /></td>
<td><img src="circle.png" alt="Mid Potential" /></td>
<td><img src="circle.png" alt="High Potential" /></td>
<td><img src="circle.png" alt="Low Potential" /></td>
<td><img src="circle.png" alt="Low Potential" /></td>
</tr>
<tr>
<td>DUKE - KING</td>
<td><img src="circle.png" alt="High Potential" /></td>
<td><img src="circle.png" alt="High Potential" /></td>
<td><img src="circle.png" alt="High Potential" /></td>
<td><img src="circle.png" alt="High Potential" /></td>
<td><img src="circle.png" alt="High Potential" /></td>
</tr>
<tr>
<td>KING - QUEEN</td>
<td><img src="circle.png" alt="High Potential" /></td>
<td><img src="circle.png" alt="High Potential" /></td>
<td><img src="circle.png" alt="High Potential" /></td>
<td><img src="circle.png" alt="High Potential" /></td>
<td><img src="circle.png" alt="High Potential" /></td>
</tr>
<tr>
<td>QUEEN - ORONOCO</td>
<td><img src="circle.png" alt="High Potential" /></td>
<td><img src="circle.png" alt="High Potential" /></td>
<td><img src="circle.png" alt="High Potential" /></td>
<td><img src="circle.png" alt="High Potential" /></td>
<td><img src="circle.png" alt="High Potential" /></td>
</tr>
<tr>
<td>PENDLETON - MADISON</td>
<td><img src="circle.png" alt="High Potential" /></td>
<td><img src="circle.png" alt="High Potential" /></td>
<td><img src="circle.png" alt="High Potential" /></td>
<td><img src="circle.png" alt="High Potential" /></td>
<td><img src="circle.png" alt="High Potential" /></td>
</tr>
<tr>
<td>MADISON - MONTGOMERY</td>
<td><img src="circle.png" alt="High Potential" /></td>
<td><img src="circle.png" alt="High Potential" /></td>
<td><img src="circle.png" alt="High Potential" /></td>
<td><img src="circle.png" alt="High Potential" /></td>
<td><img src="circle.png" alt="High Potential" /></td>
</tr>
</tbody>
</table>

**HIGH POTENTIAL**  | **MID POTENTIAL**  | **LOW POTENTIAL**
WASHINGTON CANAL PARK  WASHINGTON, DC
COMMON ELEMENTS - STREETS
COMMON ELEMENTS - PROMENADE

OLIN
COMMON ELEMENTS - MATERIALS

- GRANITE PAVING
- CLAY BRICK
- BLUESTONE PAVING
- BOARDWALK
- RESIN BONDED AGGREGATE
- STEPPING STONES IN STONE FINES
- STONE DUST
- BRICK ACCENT
REINFORCE THE STREET ENDS
REINFORCE THE STREET ENDS
1. Granite Seat Wall
2. Lounge Chairs
3. Lounge Chairs at Reflecting Pool
4. Rooftop Outdoor Dining
5. Waterfront Steps
6. Flexible Seating
7. Boulder Steps
8. Picnic Tables
9. Adirondack Lounge Chairs
10. Stepped Seating at Fountain
11. Promenade Classique
COMMON ELEMENTS - LIGHTING

OLIN
LIGHTING – WATERFRONT ROOMS

1. WOLFE STREET END CATENARY LIGHTING
2. DUKE STREET END CATENARY LIGHTING
3. CIVIC BUILDING LIGHTING
4. PLAY AREA WHIMSICAL BOLLARD LIGHTS
5. WOOD DECK CATENARY LIGHTING
6. TRELLIS UPLIGHTING
7. PRINCE STREET END CATENARY LIGHTING
8. WATERFRONT PARK MOONLIGHTING
9. SHADE STRUCTURE LIGHTING
10. TRELLIS UPLIGHTING
11. FOUNTAIN LIGHTING
12. TREE LIGHTING
13. SHADE STRUCTURE LIGHTING
14. TORPEDO FACTORY LIGHTING
15. SHADE STRUCTURE LIGHTING
16. GAZEBO FOUNTAIN LIGHTING
17. SHADE STRUCTURE LIGHTING
18. ORONOCO STREET END CATENARY LIGHTING
19. BOX CAR THEATER
20. WYTHE STREET PLAZA LIGHTING
21. TIDE LOCK LIGHTING
WATERFRONT LIGHTING CONCEPT

OLIN
COMMON ELEMENTS - LIGHTING
NEW ODBC PARKING LOT 45 SPACES
NEW ODBC CLUBHOUSE
NEW ODBC PIER
OPEN SPACE
VISUAL CONNECTION BETWEEN UNIT BLOCK OF KING + MARINA

UNIT BLOCK

CITY MARINA
KING STREET - AN EXTENSION OF AN ICON
180° VIEWS

VIEWS FROM THE UNIT BLOCK OF KING

OLIN
FOCAL POINT

GATHERING SPACE AT THE INTERSECTION OF KING + STRAND

OLIN
PRESERVE THE STRAND WALK THROUGH POINT LUMLEY PARK
EXTEND THE STRAND WALK THROUGH WATERFRONT PARK
CONNECT THE STRAND WALK TO THE MARINA