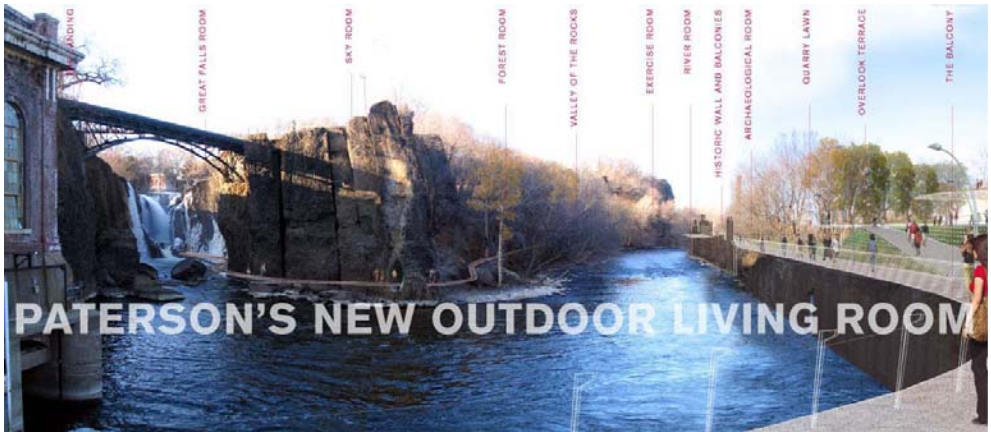


# GREAT FALLS STATE PARK, PATERSON , NJ



# TEAM

## **field operations**

landscape architecture and urban design

with

## **Rutgers university,**

## **center for urban restoration ecology**

plant and soil ecology; hydraulics and river resources

## **Moffatt & Nichol engineers**

civil, environmental and marine engineering

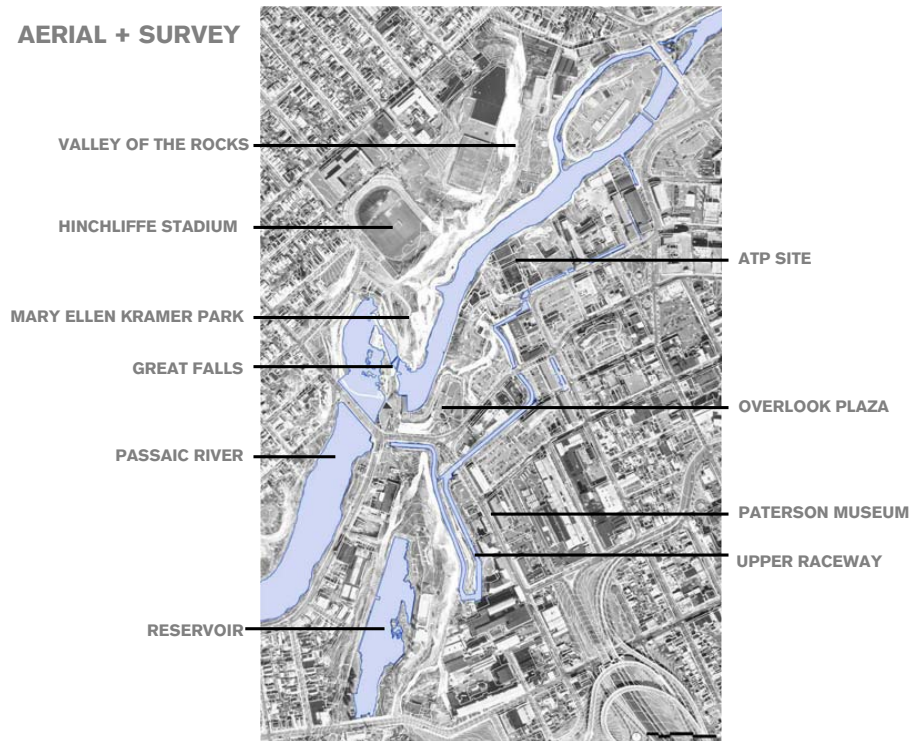
## **Mary Delaney Krugman Associates Inc.**

history and industrial archaeology

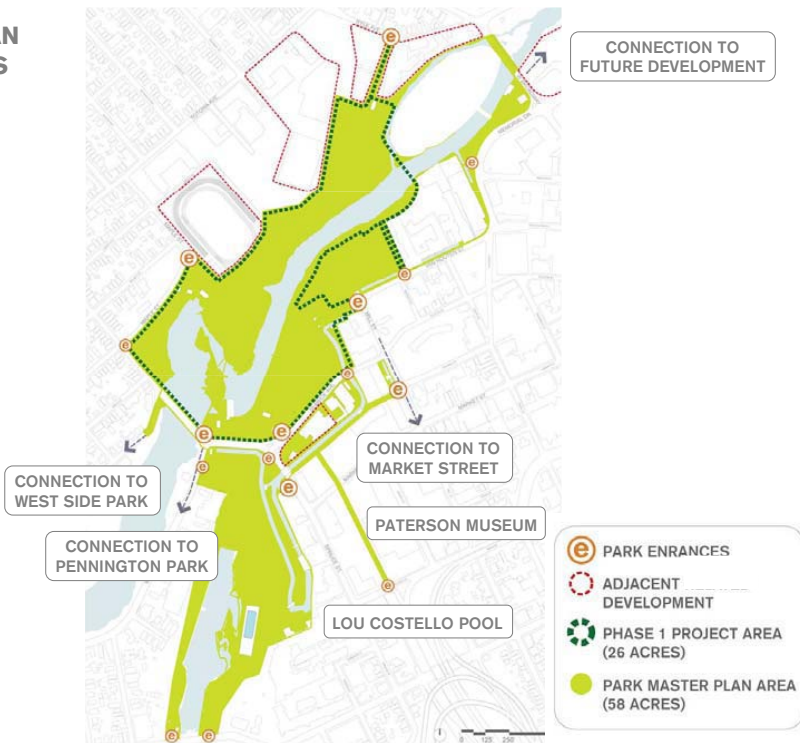
## **Terry Adkins**

artist

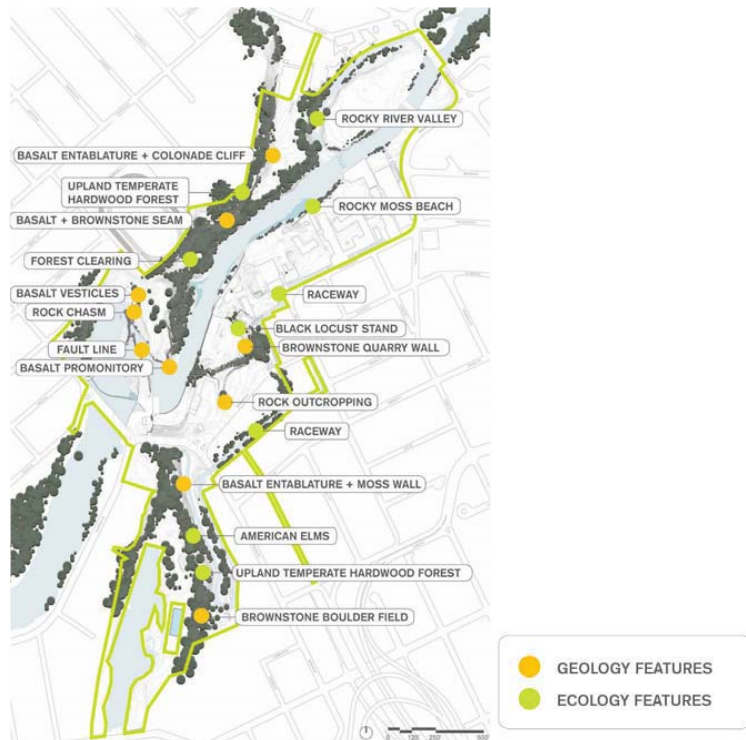
## AERIAL + SURVEY



## MASTER PLAN BOUNDARIES



## NATURAL RESOURCE

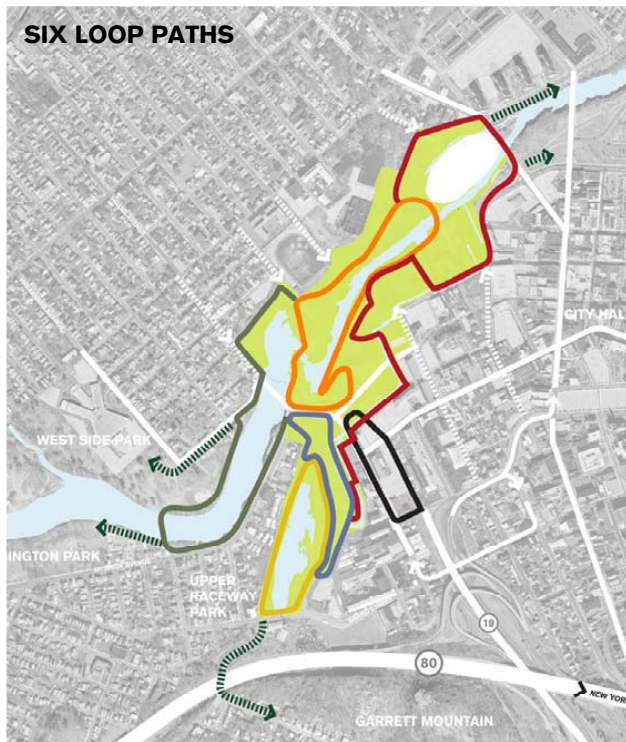


## VIEWSHEDS + VISTAS



- 1** THE GREAT FALLS
- 2** LOWER PASSAIC RIVER
- 3** UPPER PASSAIC RIVER  
LOWER PASSAIC RIVER
- 4** UPPER PASSAIC RIVER  
LOWER PASSAIC RIVER  
OVERLOOK & QUARRY
- 5** THE HISTORIC DAM  
UPPER PASSAIC RIVER
- 6** PATERSON CITY  
NEW YORK CITY  
ATP SITE
- 7** DOWNTOWN PATERSON
- 8** HISTORIC PATERSON  
UPPER RACEWAY

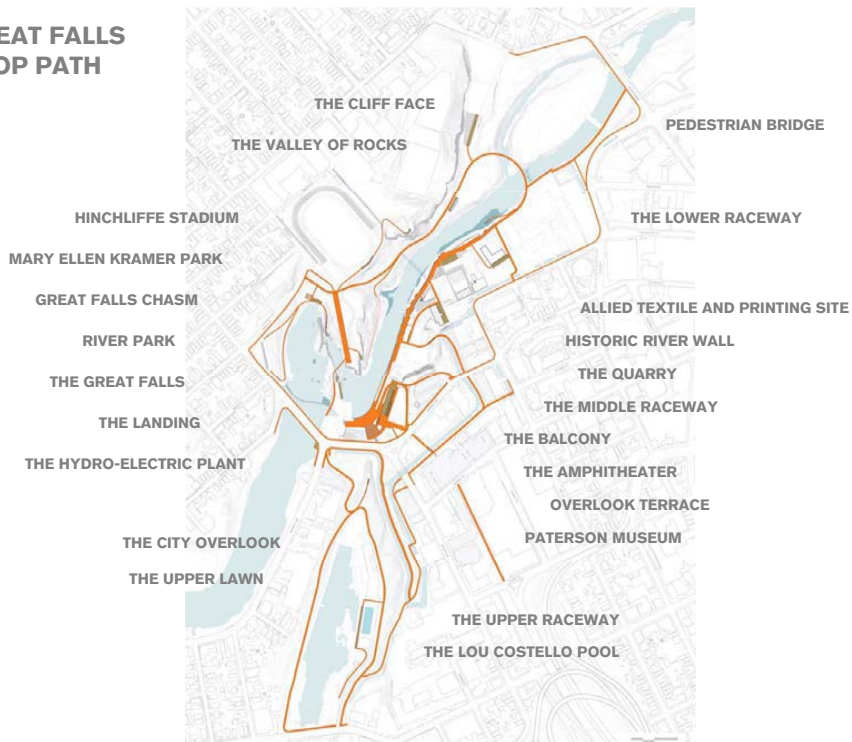
## SIX LOOP PATHS



- GREAT FALLS LOOP**  
1 MILE  
20 MINUTE WALK
- UPPER RACEWAY LOOP**  
0.5 MILE  
10 MINUTE WALK
- LOWER ARCHAEOLOGICAL LOOP**  
1.5 MILE  
30 MINUTE WALK
- RECREATION LOOP**  
2 MILES  
40 MINUTE WALK
- HISTORIC DISTRICT LOOP**  
0.4 MILE  
8 MINUTE WALK
- RESERVOIR LOOP**  
0.5 MILE  
10 MINUTE WALK
- GREATER PATERSON CONNECTIONS**

**3 miles in sum**

## GREAT FALLS LOOP PATH

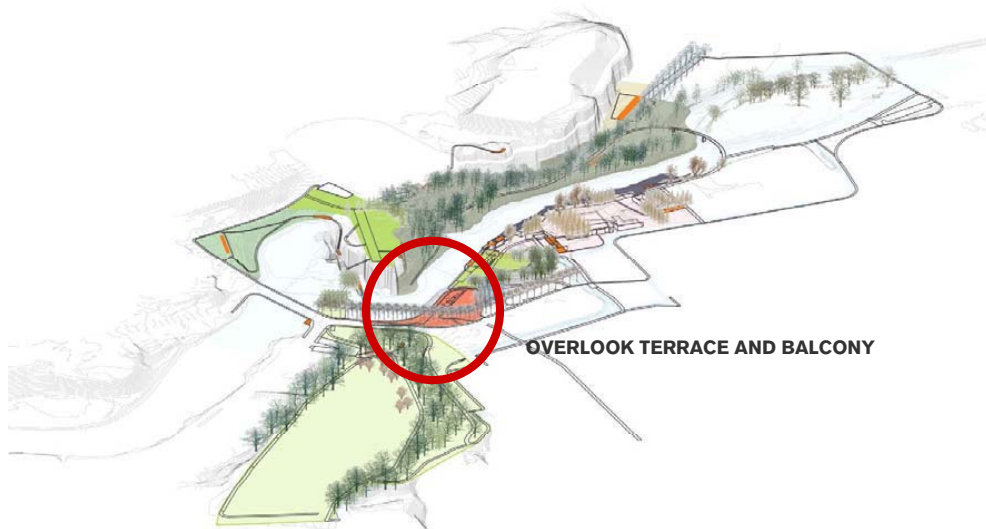




## MASTER PLAN SITE PLAN



# PATERSON'S NEW OUTDOOR LIVING ROOM



## OVERLOOK PLAZA AND BALCONY

### ARRIVAL, WELCOME, FOOD, EVENTS

Meeting and gathering area  
Information and visitor center  
Restaurant and Café  
Starting point of guided tours  
Site specific exhibits of geology and natural resources  
School group instruction area  
Events storage facilities  
School singing and music concerts in the cold months  
Restrooms  
Flowering fruit trees attract birds  
Accentuate shift in seasons



**OVERLOOK PLAZA  
AND BALCONY TODAY**



## OVERLOOK PLAZA AND BALCONY PROPOSED









# PATERSON'S NEW OUTDOOR LIVING ROOM





## QUARRY LAWN ROOM

### COMMUNITY EVENT SPACE, PERFORMANCE, PICNICS, FESTIVALS, OPEN LAWN

Venue for many types of social events  
for the people of Paterson; salsa  
dancing, food festivals, outdoor concerts  
and cinema;  
Honor cultural heritages of the Paterson  
diverse community;  
Flexible space for community groups to  
congregate;  
Family gathering;  
Flowering meadow lawn  
Shade trees





**QUARRY LAWN  
ROOM TODAY**



## QUARRY LAWN ROOM PROPOSED

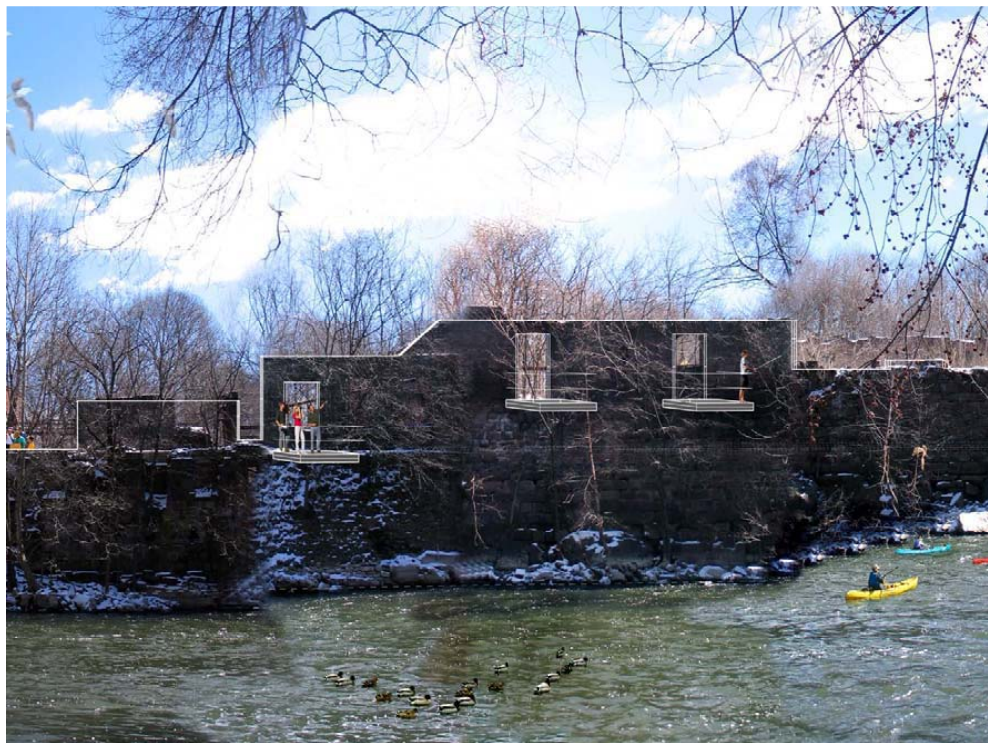


## PATH CONNECTING TO THE MIDDLE RACEWAY

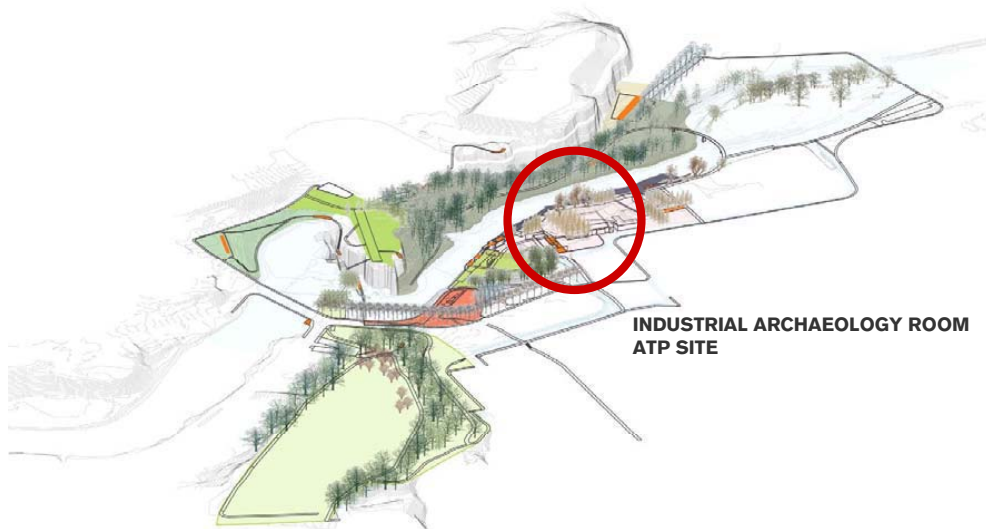








# PATERSON'S NEW OUTDOOR LIVING ROOM







KODAK SAFETY FILM HAER NY-17-3

## INDUSTRIAL ARCHAEOLOGY ROOM / ATP SITE

### HISTORICAL EDUCATION, INTERPRETATION INTERACTIVE WORKSHOPS

Colt Gun Mill open air museum  
ATP history tours  
Waverly Café and ice cream parlor  
Waverly Mill Interactive Workshop for children  
archaeology and art  
Old Mallory Mill Bosque Garden  
Todd's Mill complex exhibit  
Archaeology digs and workshops  
Basalt play room  
Post industrial urban ecology demonstration site  
Cooling and shading sites of historic interest



## INDUSTRIAL ARCHAEOLOGY ROOM / ATP SITE TODAY

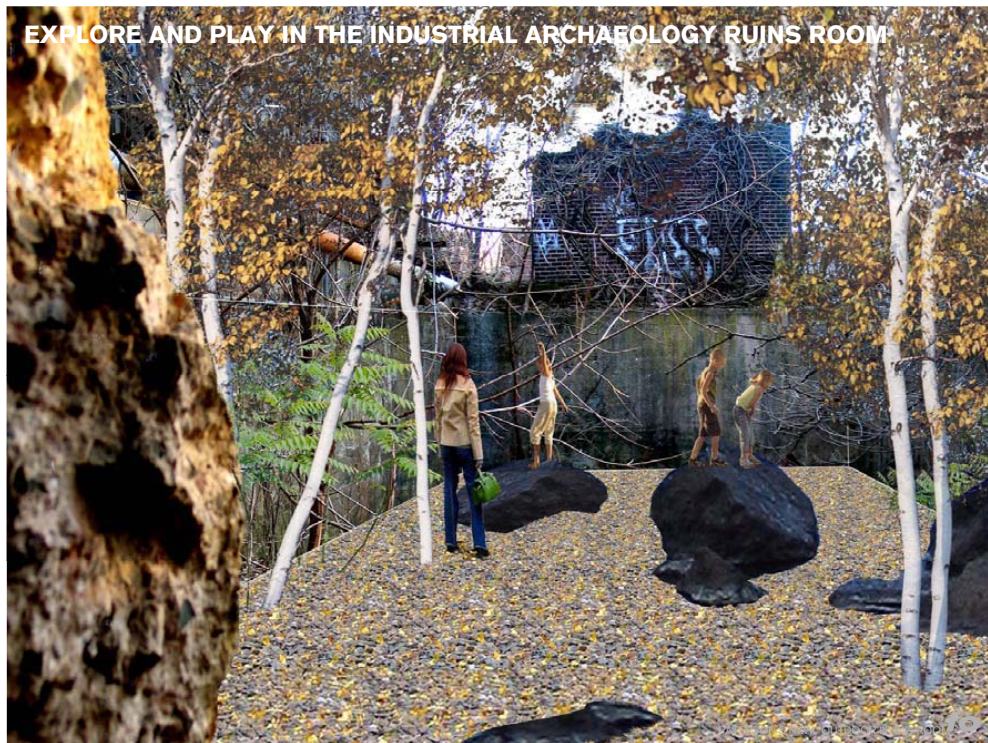


## INDUSTRIAL ARCHAEOLOGY ROOM / ATP SITE PROPOSED





## EXPLORE AND PLAY IN THE INDUSTRIAL ARCHAEOLOGY RUINS ROOM



## LOWER RACEWAY

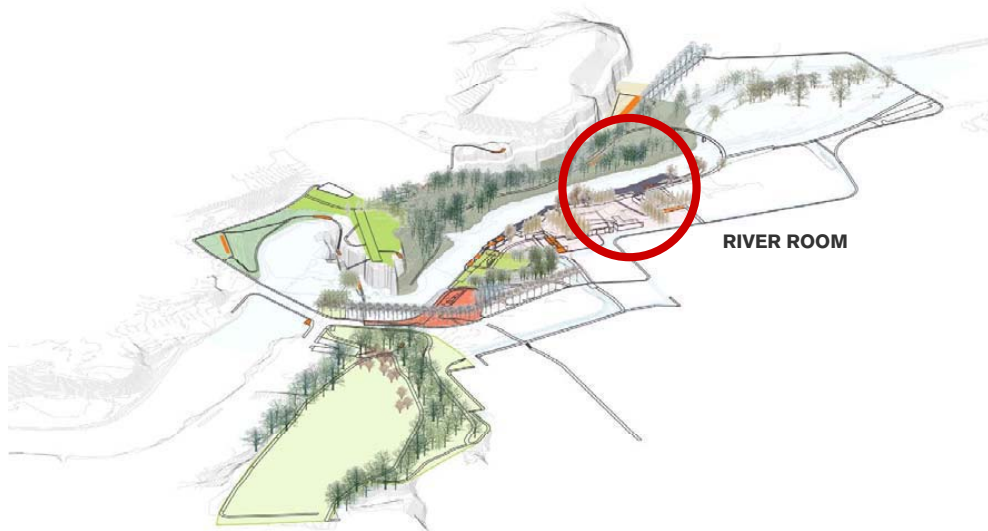
### ENGINEERING WORKS, INTERPRETATION, PLANT FILTRATION, HABITAT

Restored raceway system  
Submerged planters for cleaning the water  
Increase aquatic habitat  
Waterfowl perches  
Waterwheel works demonstration





# PATERSON'S NEW OUTDOOR LIVING ROOM





## RIVER ROOM

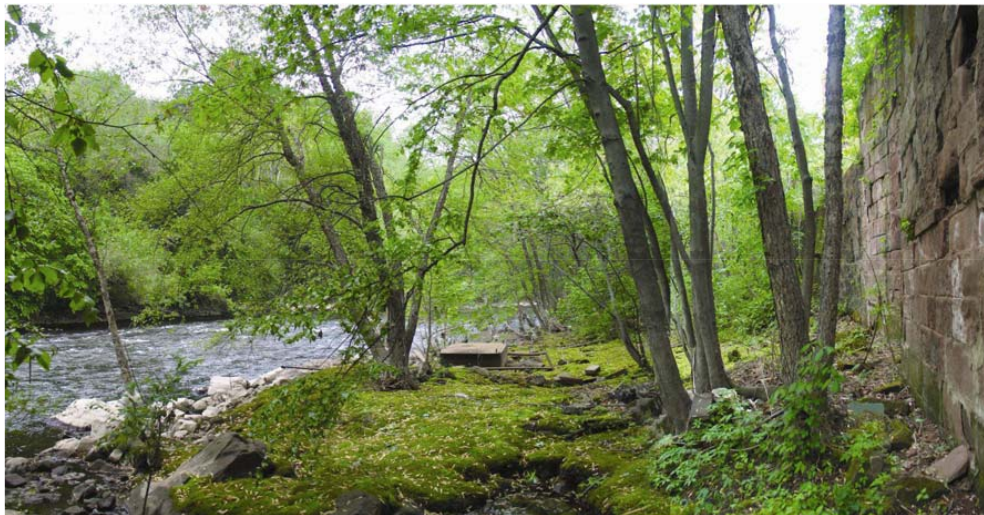
### RIVER ACCESS, WADING, FISHING, KAYAKING

Access to the river;  
Fishing piers;  
Kayaking docks;  
Community monitoring programs  
Waterfowl and river life watch tours  
Restoration of the native river edge  
Encouraging species that thrive in running water;  
Support river's edge wildlife and fish habitats;  
Stabilization of sediments  
Stabilization of the river banks;



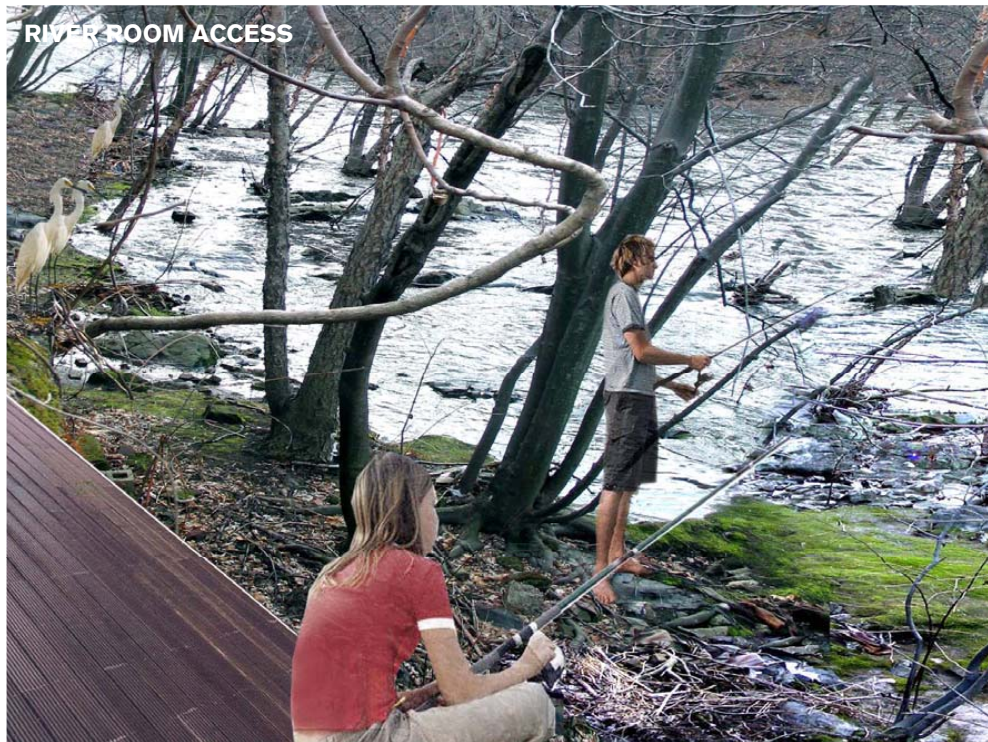


## RIVER ROOM TODAY

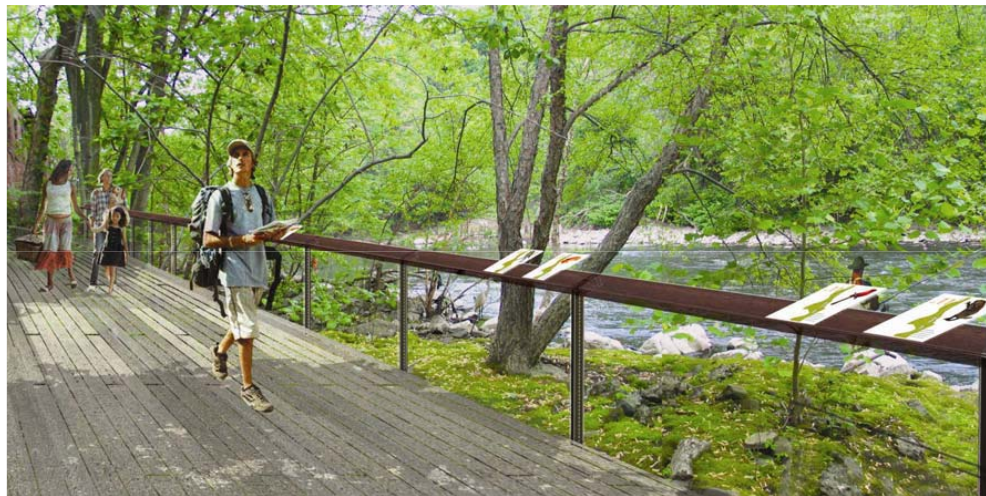




## RIVER ROOM ACCESS



## RIVERWALK



## PEDESTRIAN FOOTBRIDGE

### OVERLOOK OF THE PASSAIC RIVER,

Pedestrian bridge  
Bike lane connecting the east and west banks  
Future extension of the riverwalk to Memorial Drive  
Interpretive signage  
Kayak and canoe underneath bridge  
Added river rapids to aerate the water







## FOOTBRIDGE





# PATERSON'S NEW OUTDOOR LIVING ROOM



## OUTDOOR EXERCISE ROOM

### CLIMBING, FITNESS, RUNNING, ROPE SWINGS, CYCLING

Rock-climbing (in designated areas) for sport and entertainment;  
Bike trails connecting to regional trails  
Soft plaza for group sports  
Yoga, tie chi, rope climbing,  
Indoor/outdoor staging area and courses  
Sports gear shop  
Sport related travel information  
Add plant species that thrive on bare rocks  
Add unique habitat and nesting zone on rockface



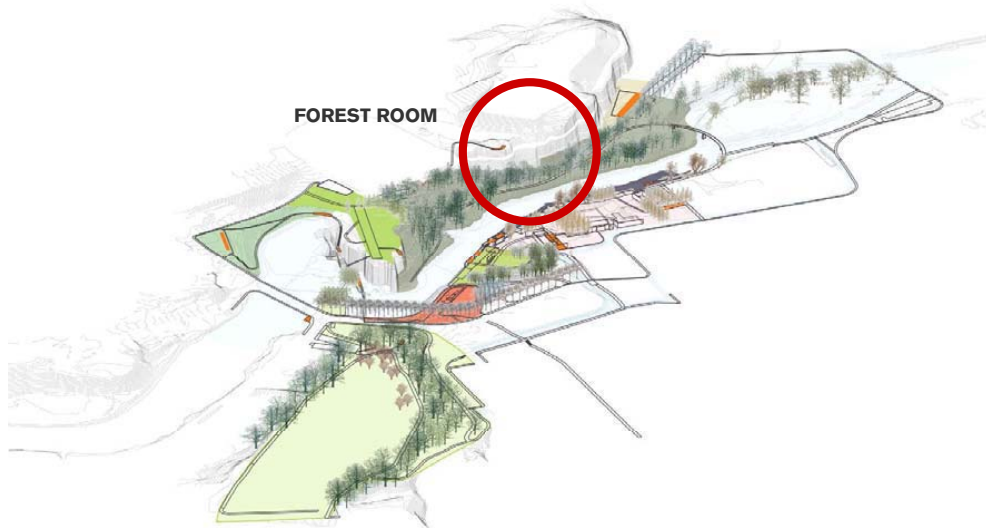
## OUTDOOR EXERCISE ROOM TODAY



## OUTDOOR EXERCISE ROOM PROPOSED



# PATERSON'S NEW OUTDOOR LIVING ROOM





## FOREST ROOM VALLEY OF THE ROCKS

### WALKING, NATURE EDUCATION, RESTORATION

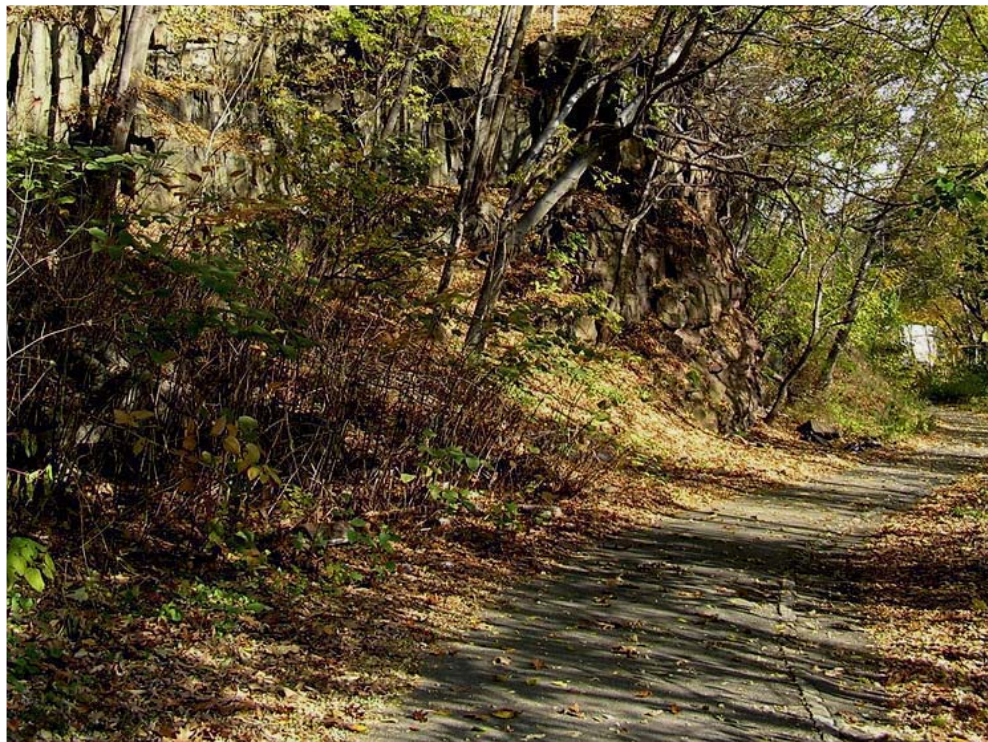
Hiking trails  
Bird watching  
Butterfly meadow  
Year-round nature study  
Environmental and nature participation in the working of the park, from planting wildflowers, to tending the forest, to monitoring butterflies and other wildlife over the year  
High biodiversity, native mixed forest,  
Restoring the historic structure of the forest, from mesic to dry soils  
Meadow glade will support wildlife, butterflies, and bird species  
Seeds spread down-river enrich areas downstream



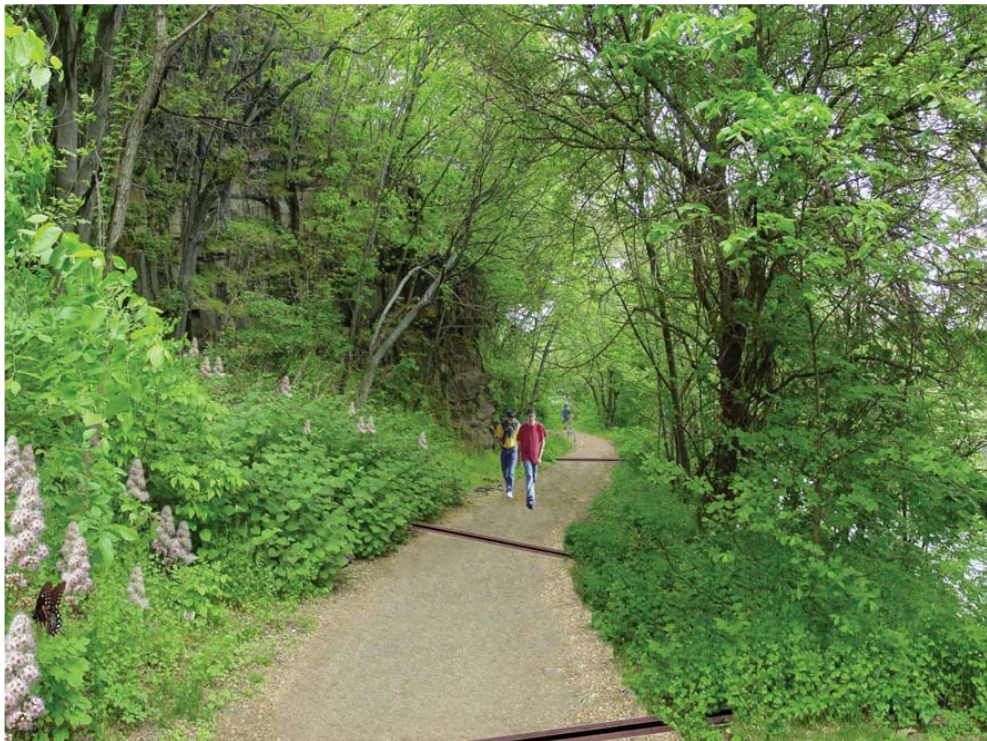


Paterson, N. J.

Monument Belts







# PATERSON'S NEW OUTDOOR LIVING ROOM





## SKY ROOM / MARY ELLEN KRAMER PARK

**LAWN AND TERRACE, SEATING,  
VIEWING, PICNICS, EVENTS**

Main tour stop for geology and natural resource groups  
Picnic and family gathering place (on lawn plateau)  
Park leisure activities  
Weddings and parties venue  
Canopy trees for shade  
Roosting sites for birds using the river and falls district  
Soil erosion control along edges

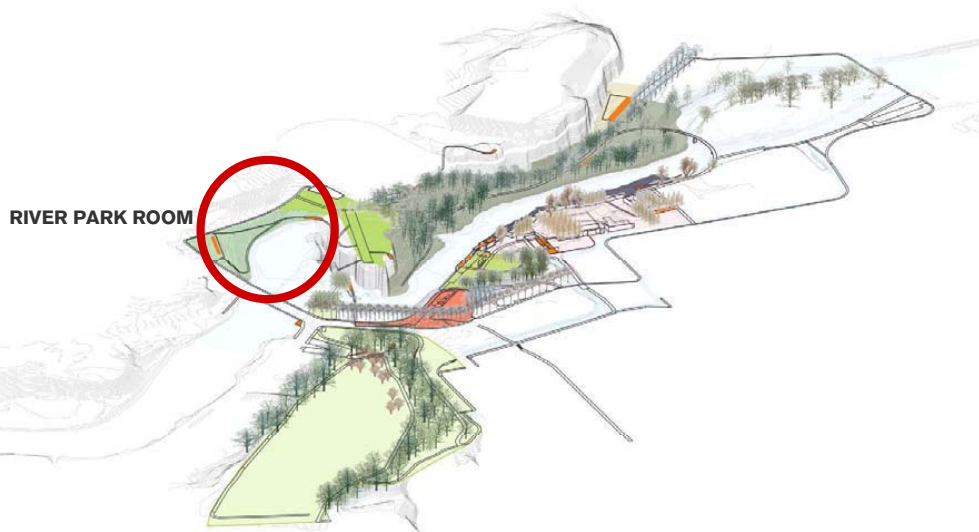




**SKY ROOM / MARY ELLEN KRAMER PARK  
PROPOSED**



# PATERSON'S NEW OUTDOOR LIVING ROOM



## RIVER PARK ROOM

**ENTRY, MARKET, RIVER BEACH, WOODLAND,**

Seasonal flower and food market  
Driftwood beach  
Play and leisure  
Sun bathing  
Fishing  
Hiking  
Dog walking  
Restored hardwood forest





# PATERSON'S NEW OUTDOOR LIVING ROOM



**GREAT FALLS ROOM**

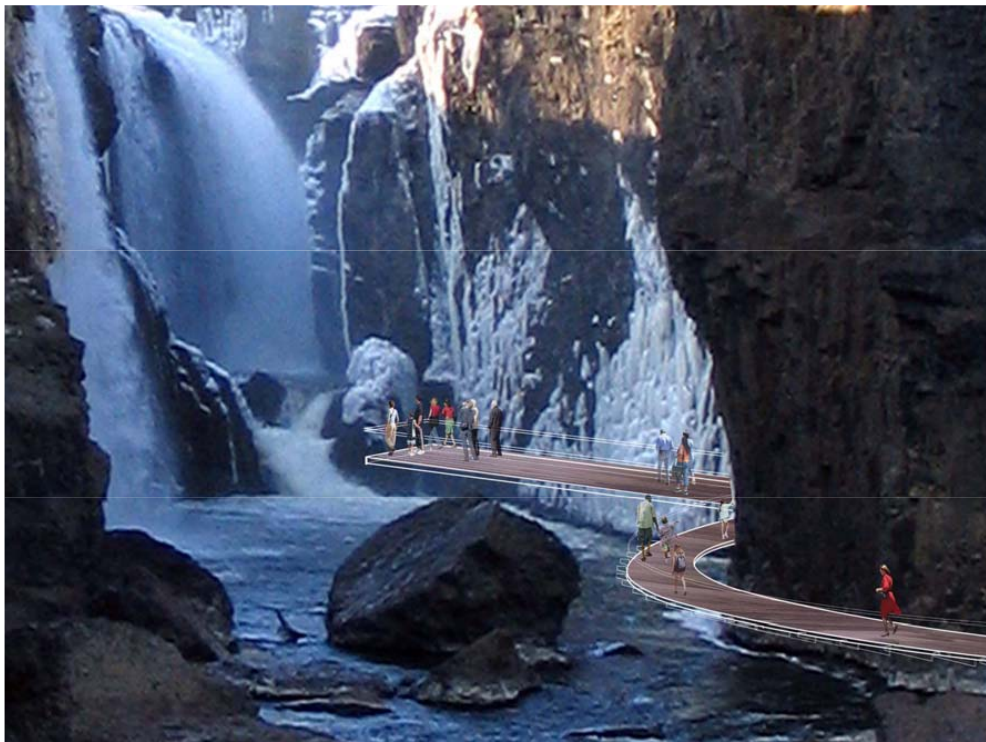
## GREAT FALLS ROOM ALT. 1

### VIEWING, EXPERIENCING THE GREAT FALLS

Overlook deck to the Falls and Gorge



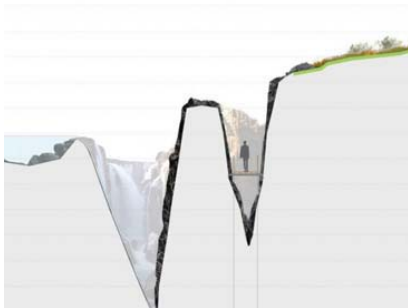




## GREAT FALLS ROOM ALT. 2

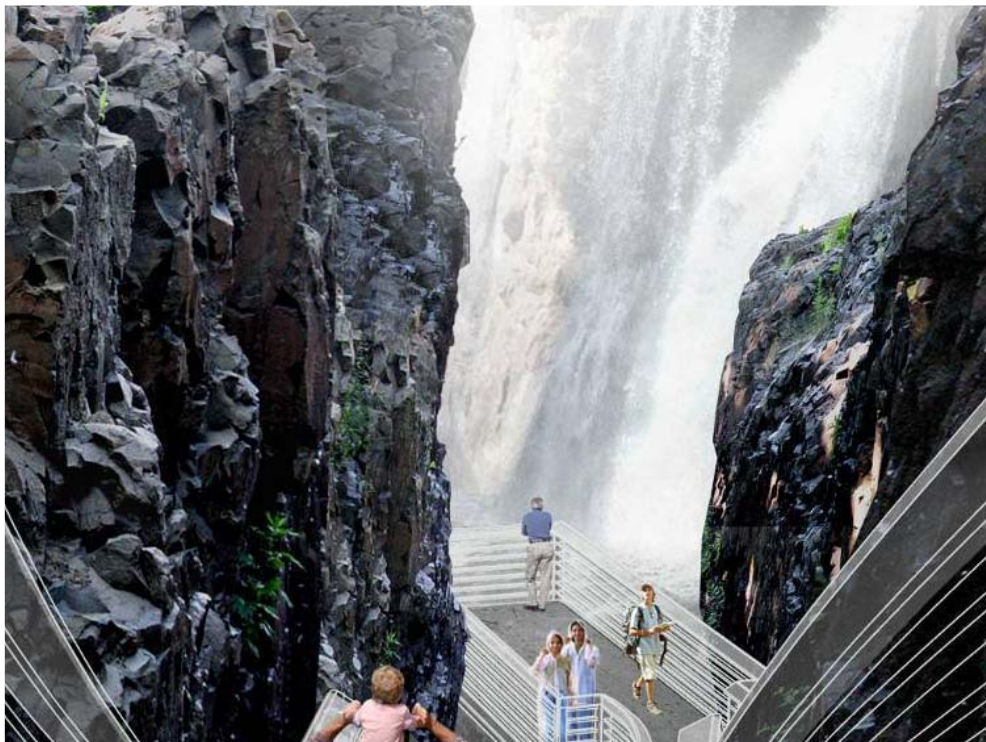
### VIEWING, EXPERIENCING THE GREAT FALLS

Overlook deck to the Falls and Gorge









# PATERSON'S NEW OUTDOOR LIVING ROOM



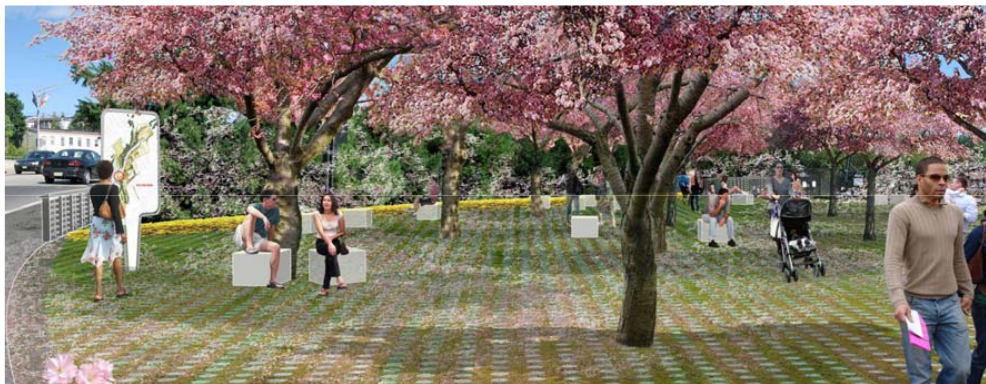
## LANDING PLAZA

### THE LANDING, INFORMATION, SEATING, VIEWING, SUNBATHING,

Main entry plaza to Mary Ellen Kramer Park  
and the Great Falls Room  
Orientation and directory for the park  
Expansive view of the river  
Tours of the Hydro electric plant  
Sunbathing on the deck and lawn



## THE LANDING – ENTRY PLAZA





# PATERSON'S NEW OUTDOOR LIVING ROOM



## UPPER RACEWAY

### UPPER RACEWAY PARK AND GREAT LAWN, LEISURE, PICNICS, SWIMMING

Upper Raceway channel  
Reservoir loop  
Renovated community pool and new deck  
Recreation and playground  
Picnic and family gathering place (on lawn)  
Park leisure activities  
Weddings and parties venue  
Flowering canopy trees for shade

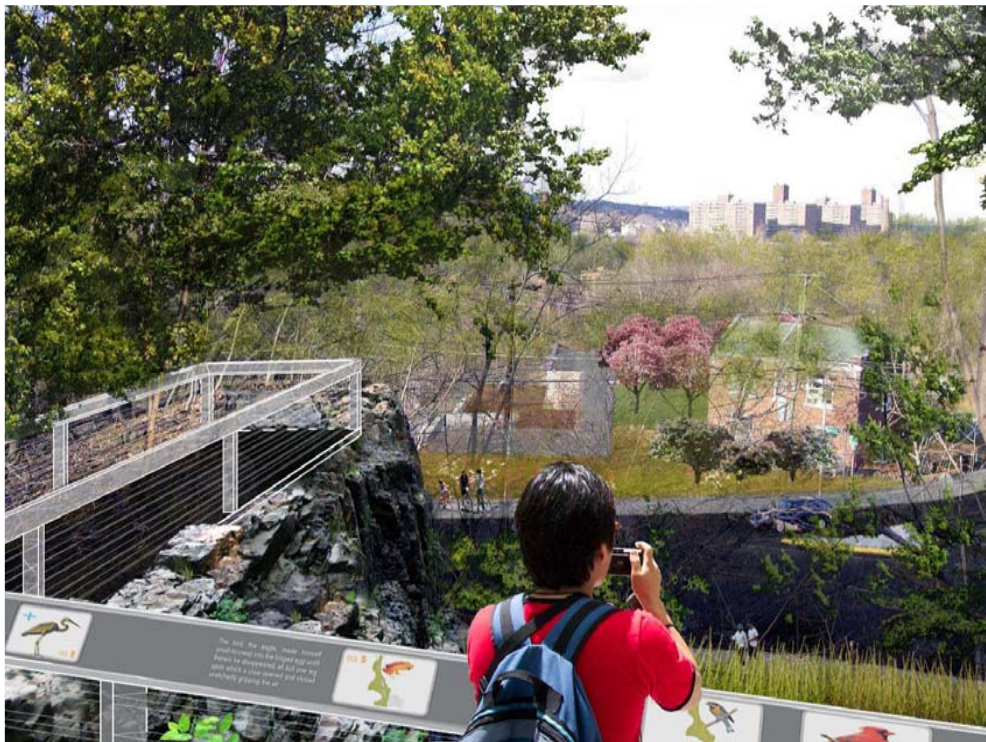


## UPPER RACEWAY TODAY



**UPPER RACEWAY  
PROPOSED GREAT LAWN**



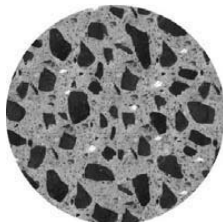




## MASTER PLAN SITE PLAN



## **SITE MATERIALS PAVING**



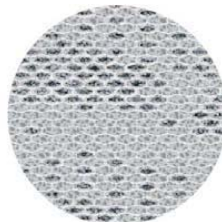
**CAST-IN-PLACE CONCRETE  
WITH EXPOSED BASALT  
AGGREGATE**



**CAST STONE**



**12" X 4" CONCRETE  
UNIT PAVER**



**CUSTOM CONCRETE  
UNIT PAVER WITH  
GRAVEL INFILL**



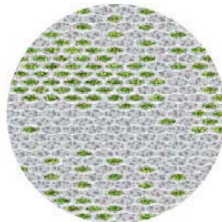
**CRUSHED BASALT  
SCREENINGS**



**STAINLESS STEEL GRATE**



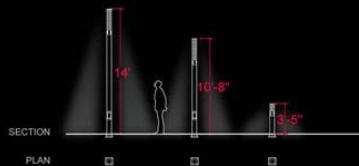
**WOOD DECK**



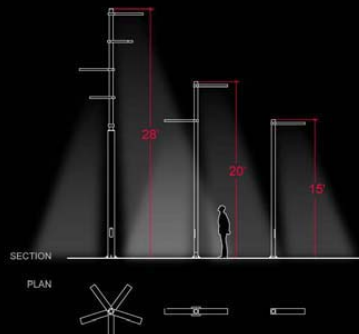
**CUSTOM CONCRETE  
UNIT PAVER WITH  
GRASS INFILL**

# LIGHTING

## SMALL POLE + BOLLARD PATHS + AMPHITHEATER



## LIGHT POLES TYPE 1 PATHS + ROOMS



PAINTED  
GALVANIZED  
STEEL

REINFORCED  
CAST STONE

PINEWOOD



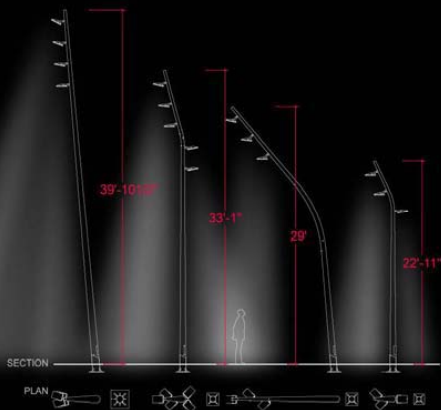
PAINTED  
GALVANIZED  
STEEL



# LIGHTING ENTRY MAST

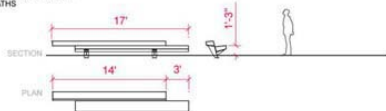
**LIGHT POLES TYPE 2**  
ROOMS + PLAZAS

CORTEN STEEL

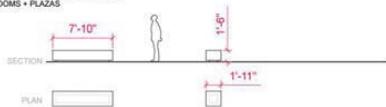


# SEATING

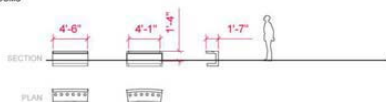
## 17' LONG BENCH PATHS



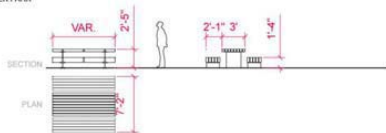
## CONCRETE BENCH + CUBE ROOMS + PLAZAS



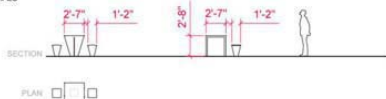
## CONCRETE LIGHT BENCH ROOMS



## LONG WOOD PICNIC TABLE MEK PARK



## CONCRETE TABLE CAFES

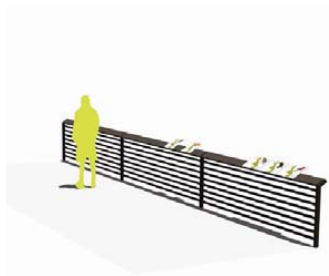
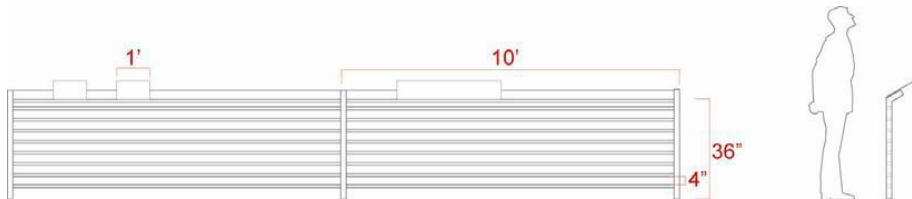




## SEATING



## RAILING



TYPE 1



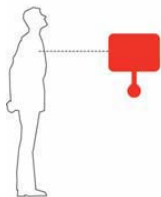
TYPE 2



TYPE 3

## RAILING AND SIGNAGE

LAPEL BUTTON



PLANT ID TAG



INFORMATIONAL SIGN



DIRECTORY SIGN



The bird, the eagle, made himself small to creep into the hinged egg until therein he disappeared, all but one leg upon which a claw opened and closed wretchedly gripping the air



## PLANTING



QUAKING ASPEN



OAK



ALDER



SYCAMORE



RED MAPLE



BLACK CHERRY



WHITE PINE



FLOWERING MEADOW