



DESIGNING FRESHKILLS PARK

STATEN ISLAND MUSEUM, MAY 2009



City of New York
Parks & Recreation

fo field operations
Parks Capital Design



NORTH MOUND





NORTH & SOUTH MOUNDS



SOUTH MOUNDS



WEST MOUND

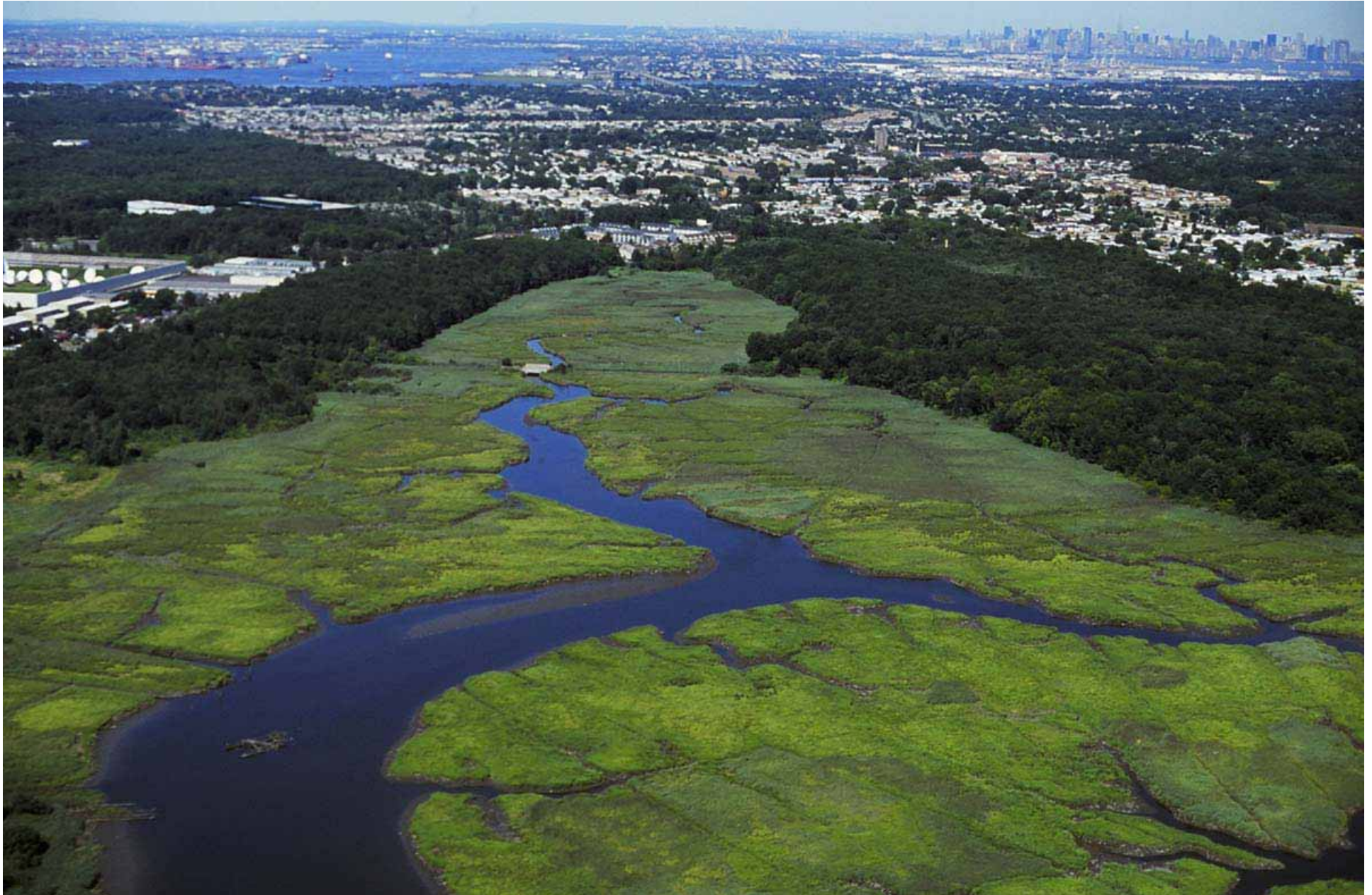


ISLE OF MEADOWS

ARTHUR KILL

WEST MOUND

WILLIAM T. DAVIS WILDLIFE REFUGE







TODAY

2,200 acres of open landscape



**ONLY 45% OF THE FRESH KILLS SITE IS LANDFILL.
THE OTHER 55% IS MADE UP OF CREEKS, WETLANDS, AND
OPEN FIELDS**

CONTEXT

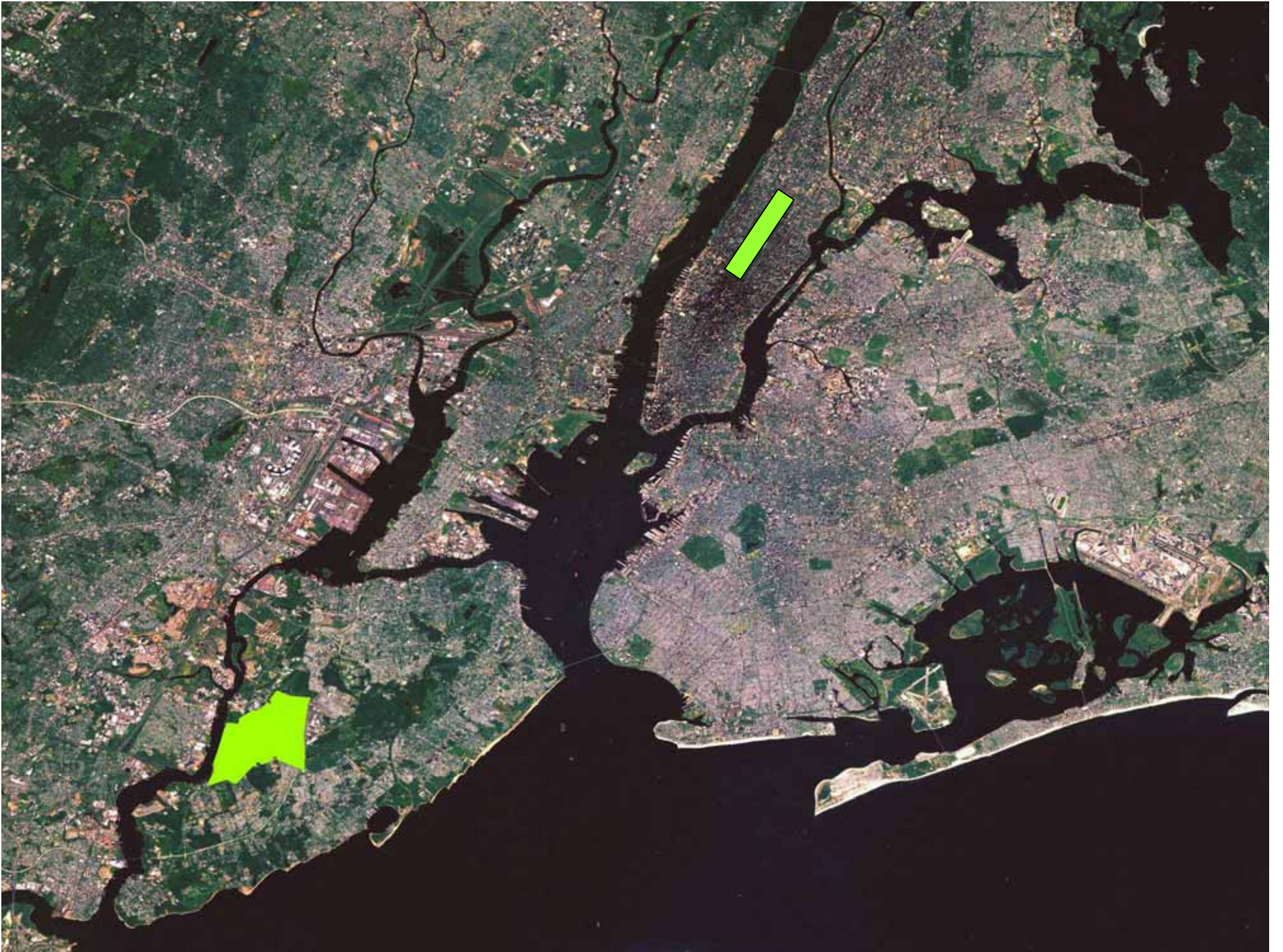






2000

50 years of landfilling, 150 million tons of waste





**FRESH KILLS HAS AN AREA OF 3.4 SQUARE MILES—
MORE THAN 2.5 TIMES THE SIZE OF CENTRAL PARK.**

2011

2016

2036

state government

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DEPARTMENT OF TRANSPORTATION
DEPARTMENT OF STATE

regional government

PORT AUTHORITY OF NEW YORK AND NEW JERSEY
GOVERNOR OF NEW JERSEY
NEW JERSEY STATE LEGISLATURE

city government

MAYOR'S OFFICE
DEPARTMENT OF CITY PLANNING
DEPARTMENT OF SANITATION
DEPARTMENT OF PARKS & RECREATION
DEPARTMENT OF TRANSPORTATION
DEPARTMENT OF CULTURAL AFFAIRS
ECONOMIC DEVELOPMENT CORPORATION
DEPARTMENT OF HEALTH
CITY COUNCIL (landfill oversight committee)

major city players

NYC 2012 OLYMPIC ORGANIZERS
MUNICIPAL ART SOCIETY
9/11 FAMILIES FOR PROPER BURIAL
REGIONAL PLAN ASSOCIATION

borough government

STATEN ISLAND BOROUGH PRESIDENT
COMMUNITY BOARDS 1 AND 2
SI CONGRESSIONAL REPRESENTATIVE

major local players

STATEN ISLAND ADVANCE (influential newspaper)
STATEN ISLAND MALL (landfill neighbor)
PROTECTORS OF PINE WOODS
GREEN BELT CONSERVANCY
NATIVE PLANT CENTER
NEWYORK ADVENTURE RACING ASSOCIATION
STATEN ISLAND RECREATION CONGRESS
PUBLIC SCHOOL ATHLETIC LEAGUE
BOY SCOUTS / GIRL SCOUTS
CATHOLIC ORGANIZATIONS (cyo and others)
ATV USERS

REGIONAL HORIZON

CITY HORIZON

ECOLOGICAL HORIZON

















MASTER PLAN

FRESH KILLS PARK MASTER PLAN



HABITAT: CREATION OF NEW HABITATS & LANDSCAPE TYPES



WOODLAND

PINE OAK BARREN ISLANDS

scrub pine
blackjack oak
eastern redcedar
pitch pine
post oak



CAPE MAY LOWLAND SWAMP FOREST

swamp cottonwood
swamp white oak
sourgum
red maple
pin oak



SWEET GUM / MAPLE SWAMP

sweet gum
red maple
black cherry
sweet pepper bush
pennsylvania sedge



SWEETBAY MAGNOLIA BOG

sweetbay magnolia
tussock sedges
red maple
sourgum
swamp cottonwood



MARITIME OAK FOREST

sweetgum
willow oak
scrub oak
scarlet oak
persimmon



BIRCH THICKET

grey birch
eastern redcedar
highbush blueberry
arrow wood
pinxsterbloom azalea



PERSIMMON COPSES

persimmon
flowering dogwood
silky dogwood
red osier dogwood
hackberry
witch hazel



MORAINAL OAK/BEECH WOODLAND

american beech
northern red oak
pin oak
black oak
scarlet oak
white oak





FIRST PROJECTS

FIRST PROJECTS

- 1 SIGNAGE
- 2 SCHMUL PARK
- 3 NORTH PARK PHASE A

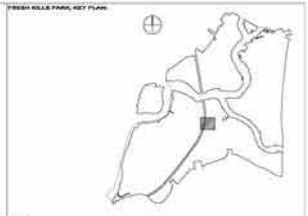
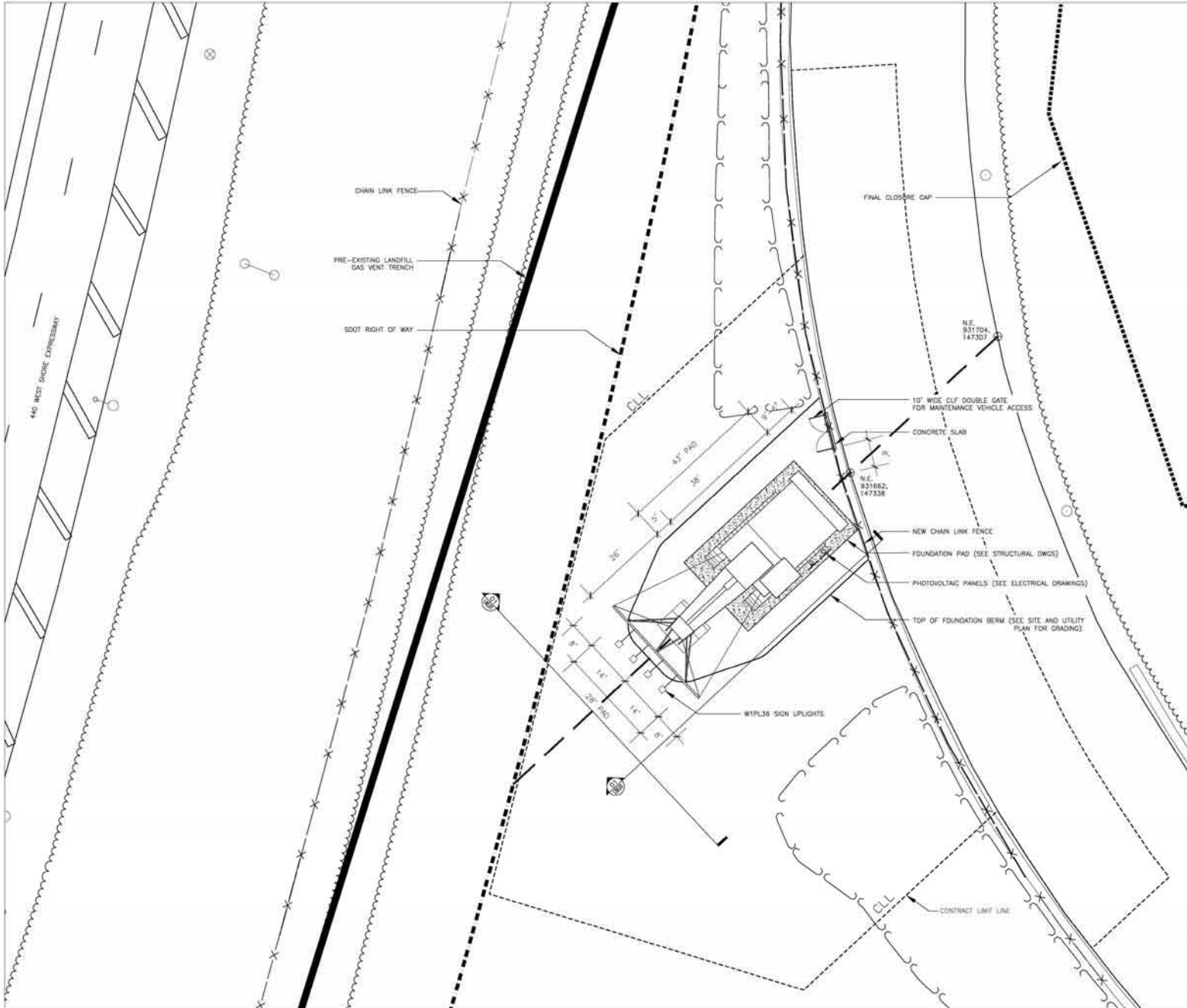


SIGNAGE









NOTES:
 1. Landfill infrastructure of south mound are located on west side of the adjacent road.

- LEGEND
- pre-existing vent trench
 - South Mound final closure cap
 - SDOT right of way, Freshkills Park property line
 - - - contract limit line
 - - - - - siting axis line
 - - - - - all fence
 - ▒ concrete
 - ~ vegetation
 - X fence
 - tree canopy



LEAD CONSULTANT:
fo
 Field Operations
 475 North Ave, 10th, New York, NY 10018 212-633-5440

SUB-CONSULTANT:

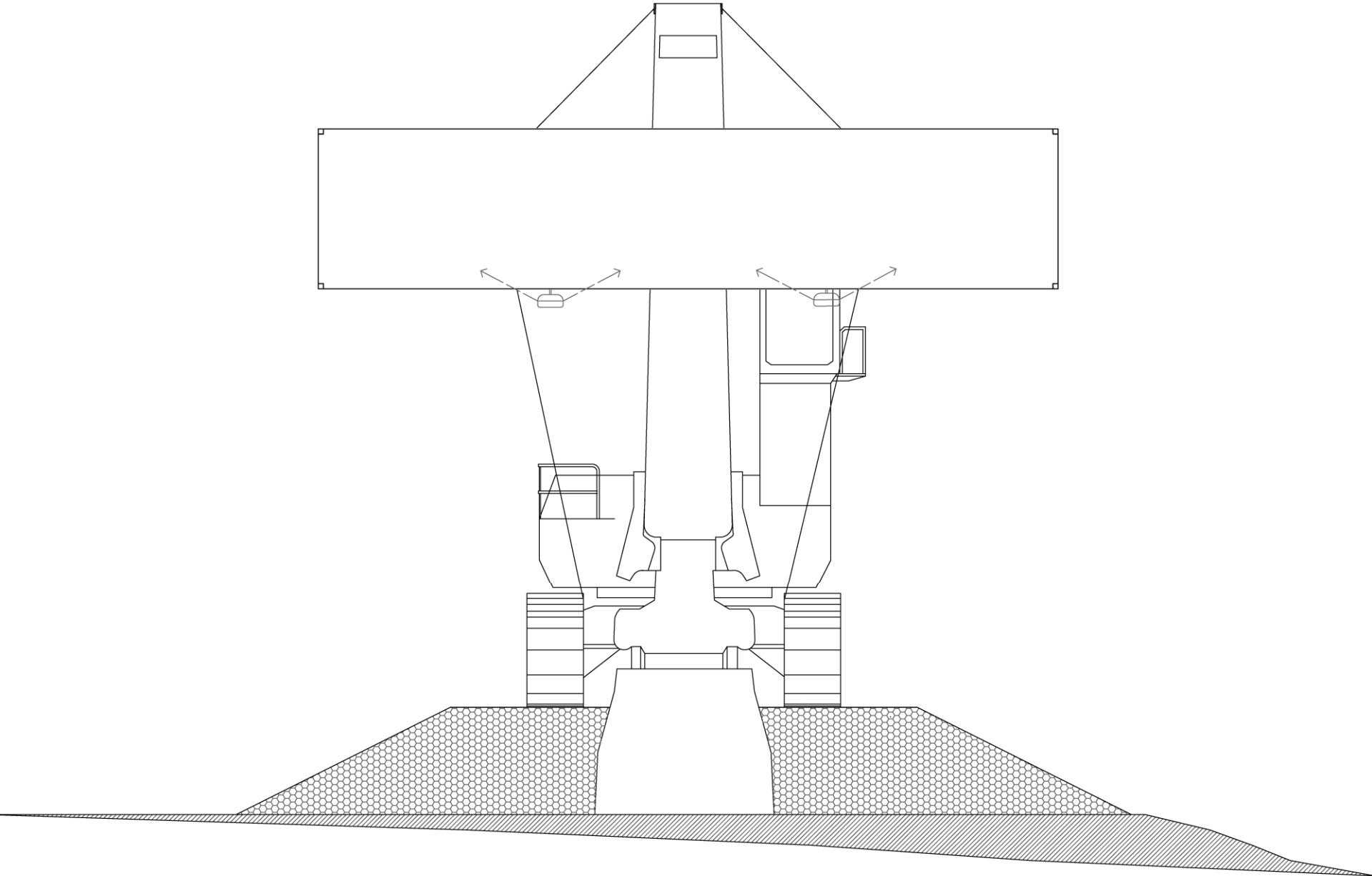
**City of New York
 Parks & Recreation**
 Olmsted Center
 Flushing Meadows-Corona Park
 Flushing, New York

PROJECT TITLE:
**THE CONSTRUCTION OF SIGNAGE AT FRESHKILLS PARK
 BOUNDED BY THE ARTHUR KILL, ARTHUR KILL ROAD,
 RICHMOND AVENUE, AND VICTORY BOULEVARD**

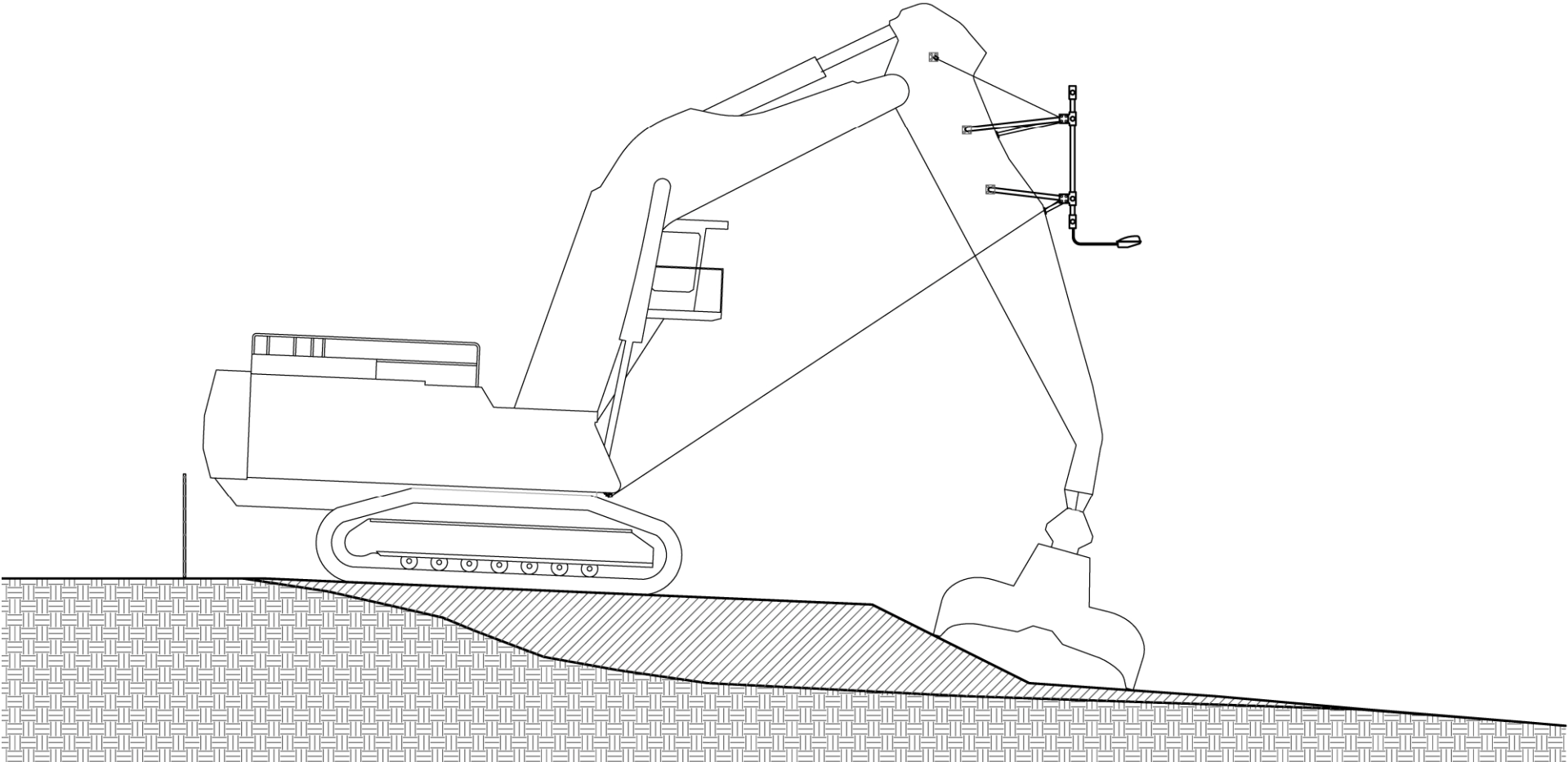
DRAWING TITLE:
**DIGGER LAYOUT AND
 MATERIALS PLAN**

DESIGNED BY: FO	DRAWN BY: FO	CHECKED BY: FO
REVIEWED-TEAM LEADER: Aimee Simola	FORRETRY: Aimee Simola	REVIEWED-PROJECT MANAGER: Angela Chandler
APPROVED-CHIEF OF DESIGN: Charles McAnulty	APPROVED-CHIEF ENGINEER: Jami Harel	CONTRACT NO. NO. 10884
<small>THE ABOVE SIGNATURES DO NOT IN ANY WAY RELEASE THE CONSULTANT FROM ITS RESPONSIBILITIES REGARDING THE ACCURACY AND COMPLETENESS OF THIS DRAWING.</small>		
DATE: 07/01/08	SCALE: 1"=10'	SHEET NO. / SHEETS 7/16

SIGNAGE: FRONT ELEVATION



SIGNAGE: SIDE ELEVATION



SIGNAGE



SCHMUL PARK



EXISTING CONDITIONS



IMPROVE CONNECTION TO STREET

EXISTING CONDITIONS



CREATE FUN & INTERESTING PLAY AREA

EXISTING CONDITIONS



REDUCE PAVED SURFACES

EXISTING CONDITIONS

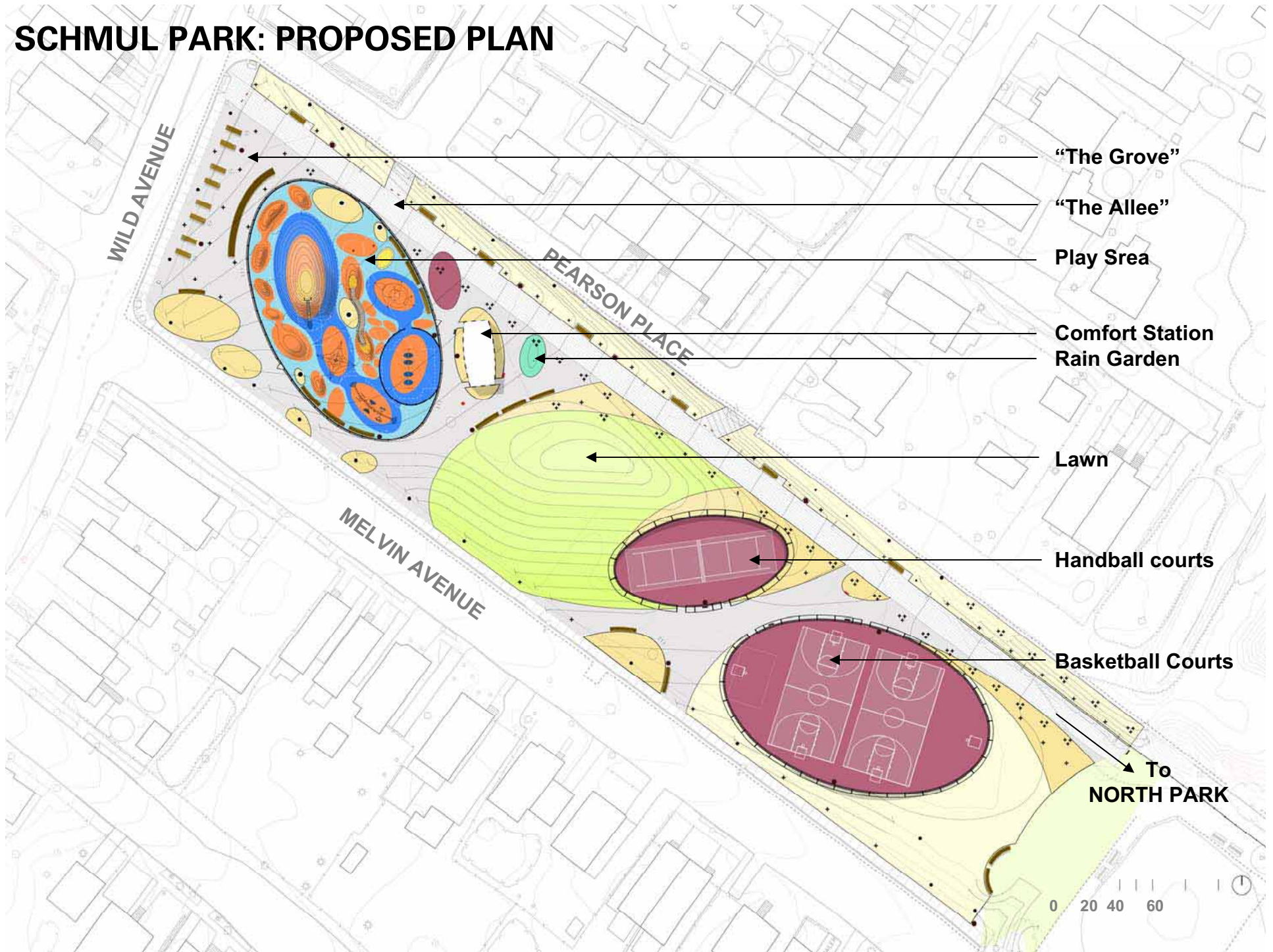


MAKE PARK FEEL OPEN & SPACIOUS

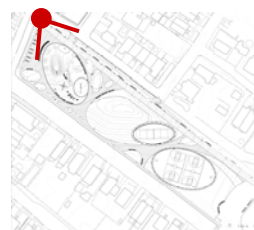
SCHMUL PARK: PROPOSED PLAN



SCHMUL PARK: PROPOSED PLAN



SCHMUL PARK: ENTRY



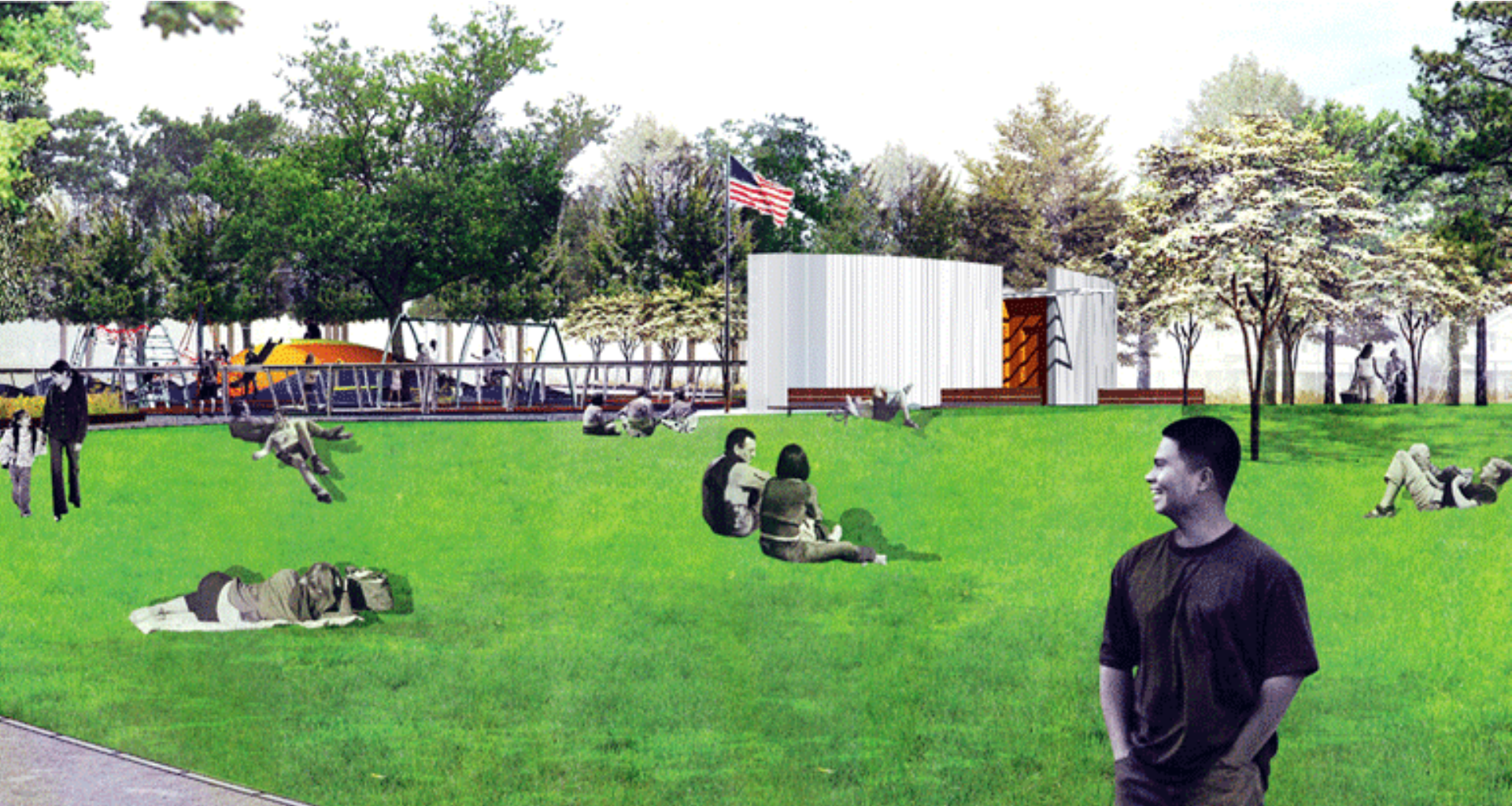
SCHMUL PARK: PLAY AREA



SCHMUL PARK: BASKETBALL COURTS



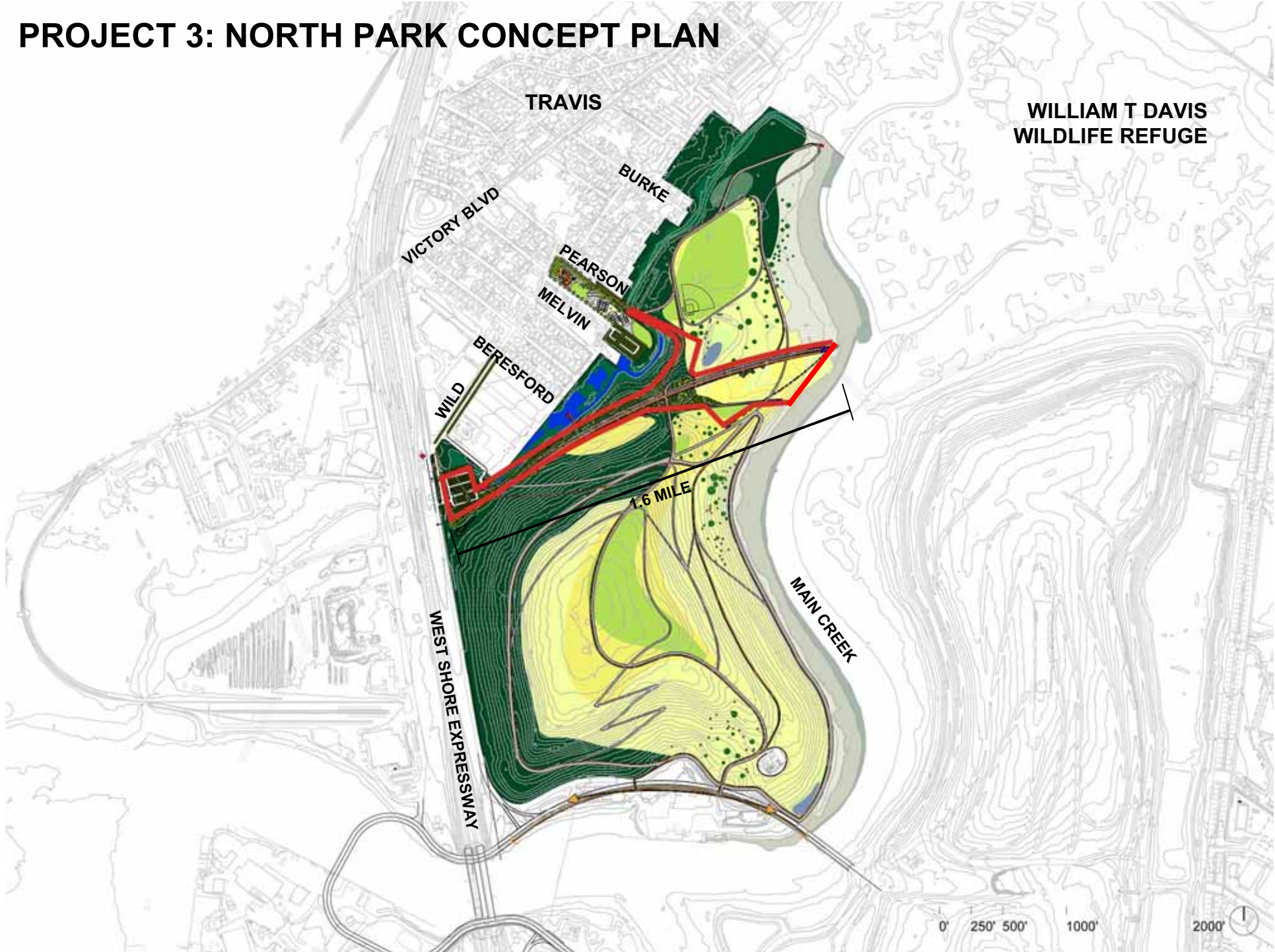
SCHMUL PARK: LAWN & COMFORT STATION



NORTH PARK PHASE A



PROJECT 3: NORTH PARK CONCEPT PLAN



**WILLIAM T DAVIS
WILDLIFE REFUGE**



MAIN CREEK

NORTH MOUND



SITE MODEL LOOKING EAST

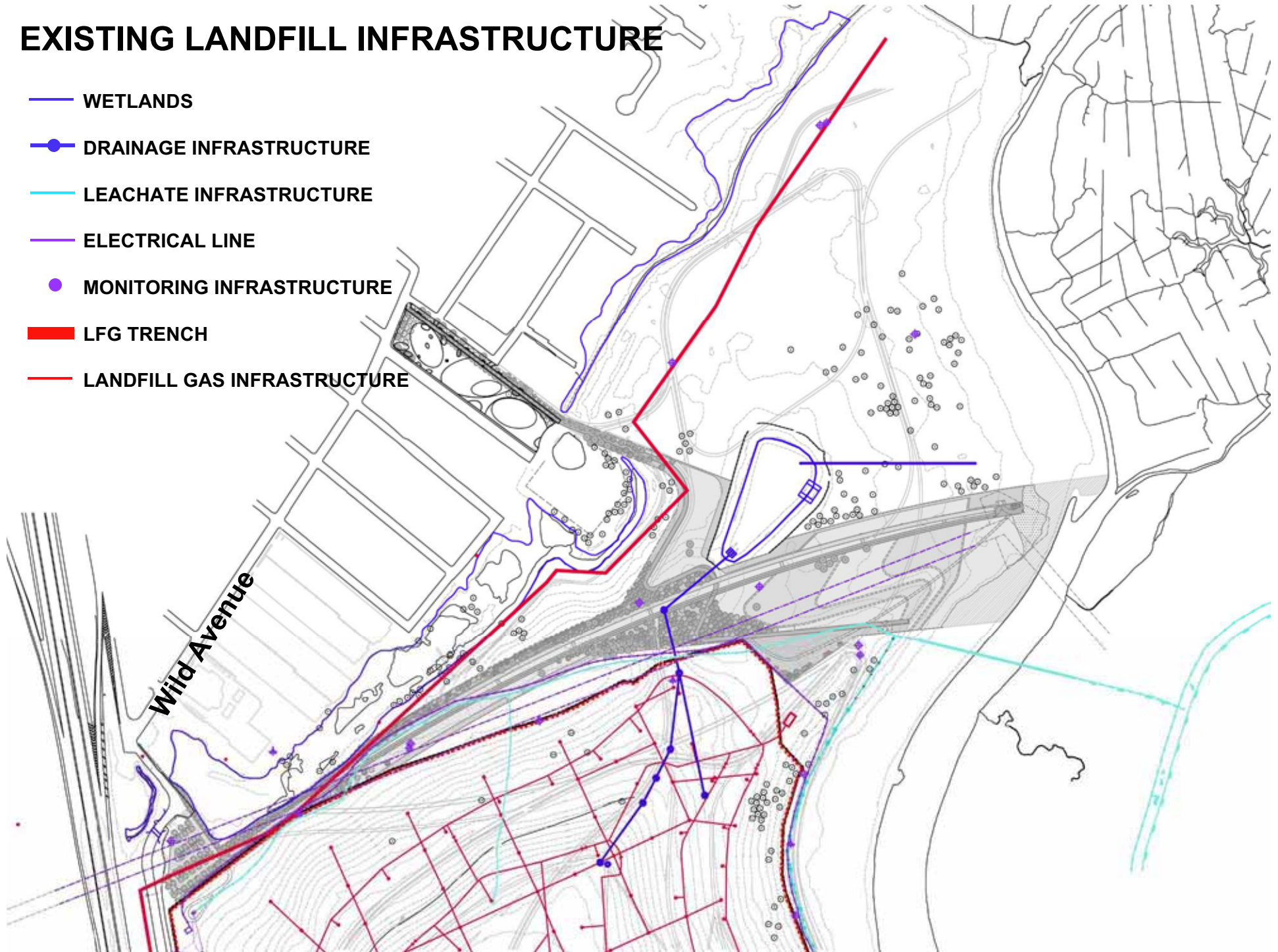


SITE MODEL LOOKING SOUTH



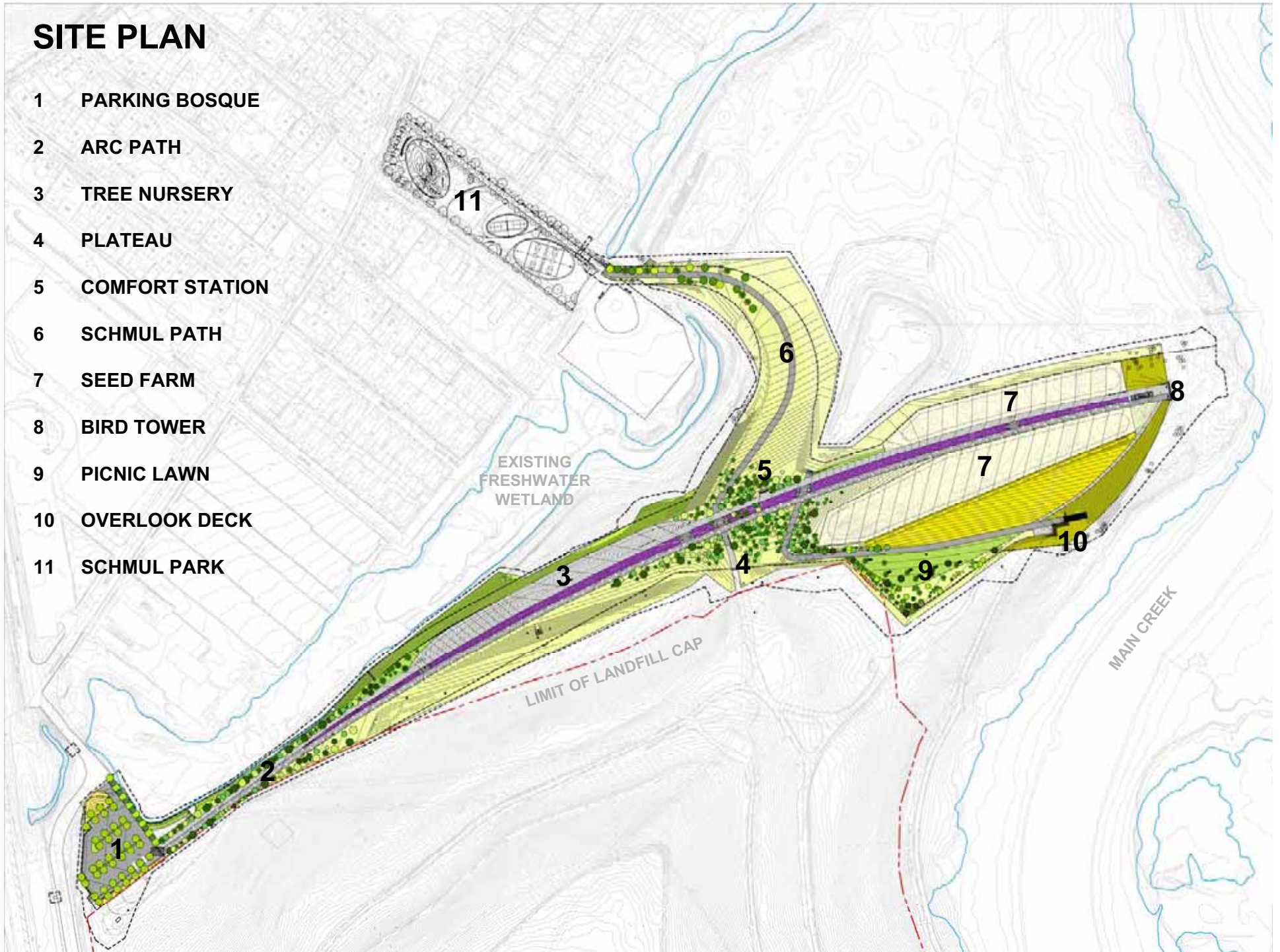
EXISTING LANDFILL INFRASTRUCTURE

- WETLANDS
- DRAINAGE INFRASTRUCTURE
- LEACHATE INFRASTRUCTURE
- ELECTRICAL LINE
- MONITORING INFRASTRUCTURE
- LFG TRENCH
- LANDFILL GAS INFRASTRUCTURE



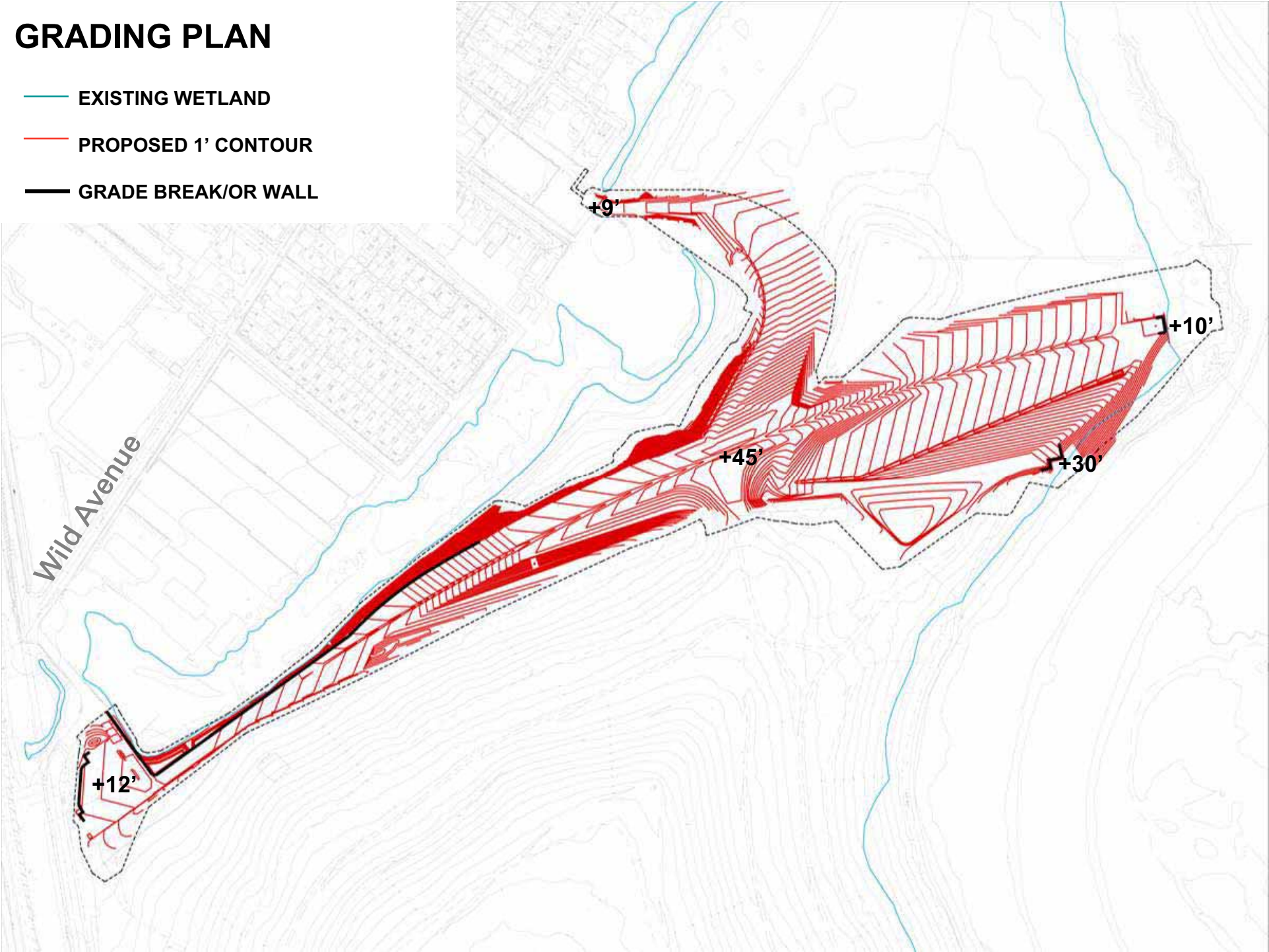
SITE PLAN

- 1 PARKING BOSQUE
- 2 ARC PATH
- 3 TREE NURSERY
- 4 PLATEAU
- 5 COMFORT STATION
- 6 SCHMUL PATH
- 7 SEED FARM
- 8 BIRD TOWER
- 9 PICNIC LAWN
- 10 OVERLOOK DECK
- 11 SCHMUL PARK



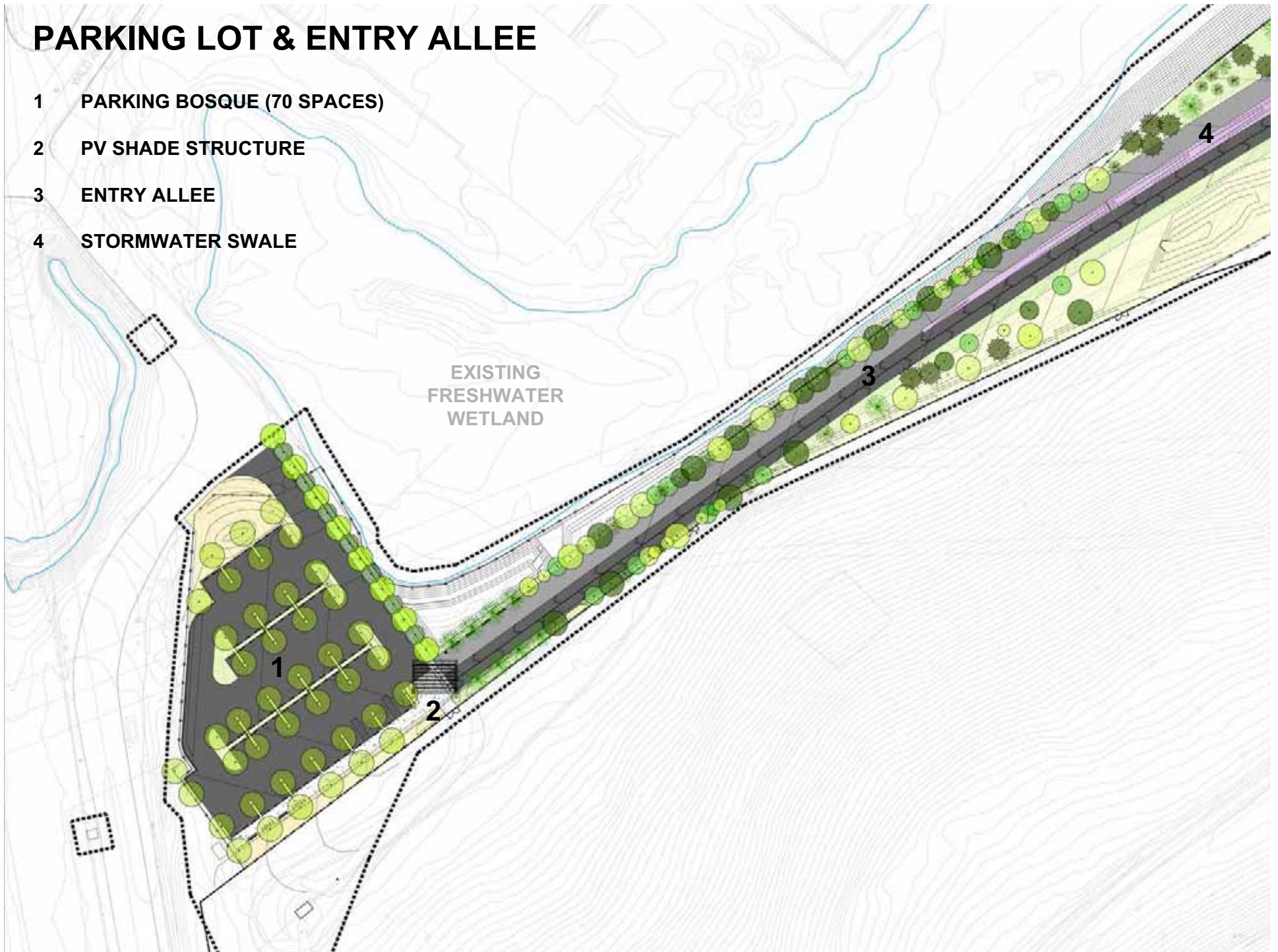
GRADING PLAN

- EXISTING WETLAND
- PROPOSED 1' CONTOUR
- GRADE BREAK/OR WALL



PARKING LOT & ENTRY ALLEE

- 1 PARKING BOSQUE (70 SPACES)
- 2 PV SHADE STRUCTURE
- 3 ENTRY ALLEE
- 4 STORMWATER SWALE



PARKING BOSQUE



SOLAR SHADE STRUCTURE



BATTERY BENCH



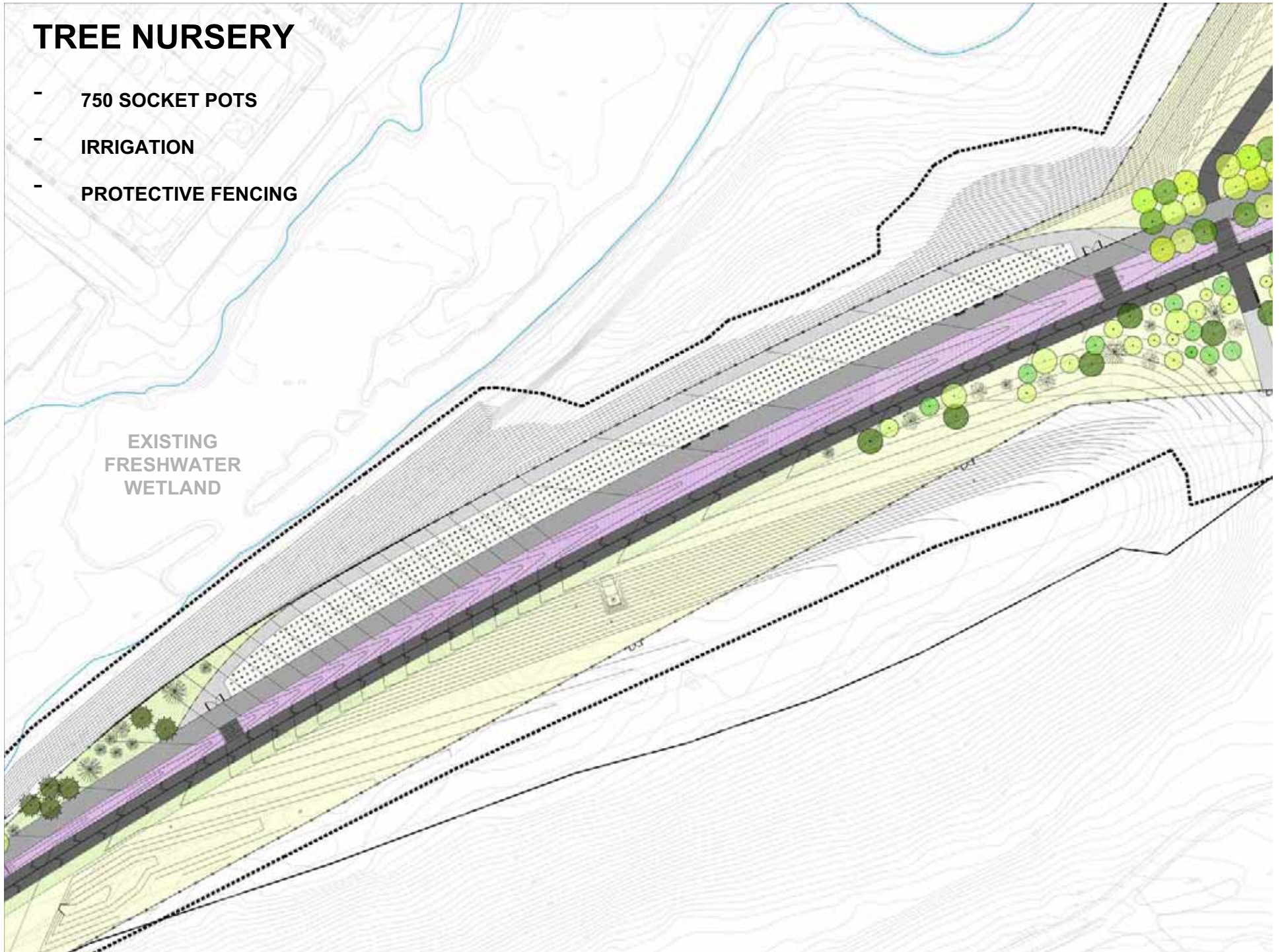
ENTRY ALLEE



TREE NURSERY

- 750 SOCKET POTS
- IRRIGATION
- PROTECTIVE FENCING

EXISTING
FRESHWATER
WETLAND



“POT-IN-POT” TREE NURSERY



TREE NURSERY SPECIES

Pine-Oak Barren

Common:

Betula populifolia
Quercus alba
Juniperus virginiana

Uncommon:

Quercus velutina
Sassafras albidum
Quercus stellata
Quercus marilandica
Quercus coccinea
Pinus rigida
Pinus echinata

Maritime Forest

Common:

Betula populifolia
Nyssa sylvatica
Liquidambar styraciflua
Quercus rubra
Celtis occidentalis
Quercus prinus
Quercus alba
Amelanchier Canadensis
Ilex opaca
Juniperus virginiana

Uncommon:

Sassafras albidum
Diospyros virginiana
Quercus marilandica
Rhus coppalina
Rhus typhina
Rhus glabra

Swamp Forest

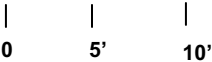
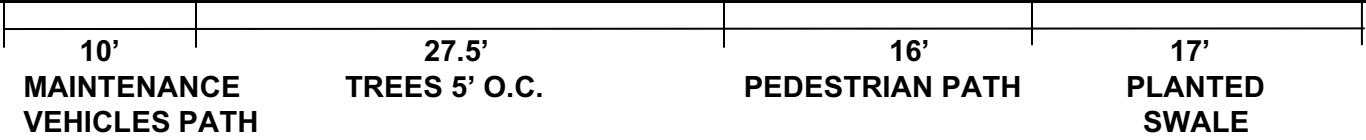
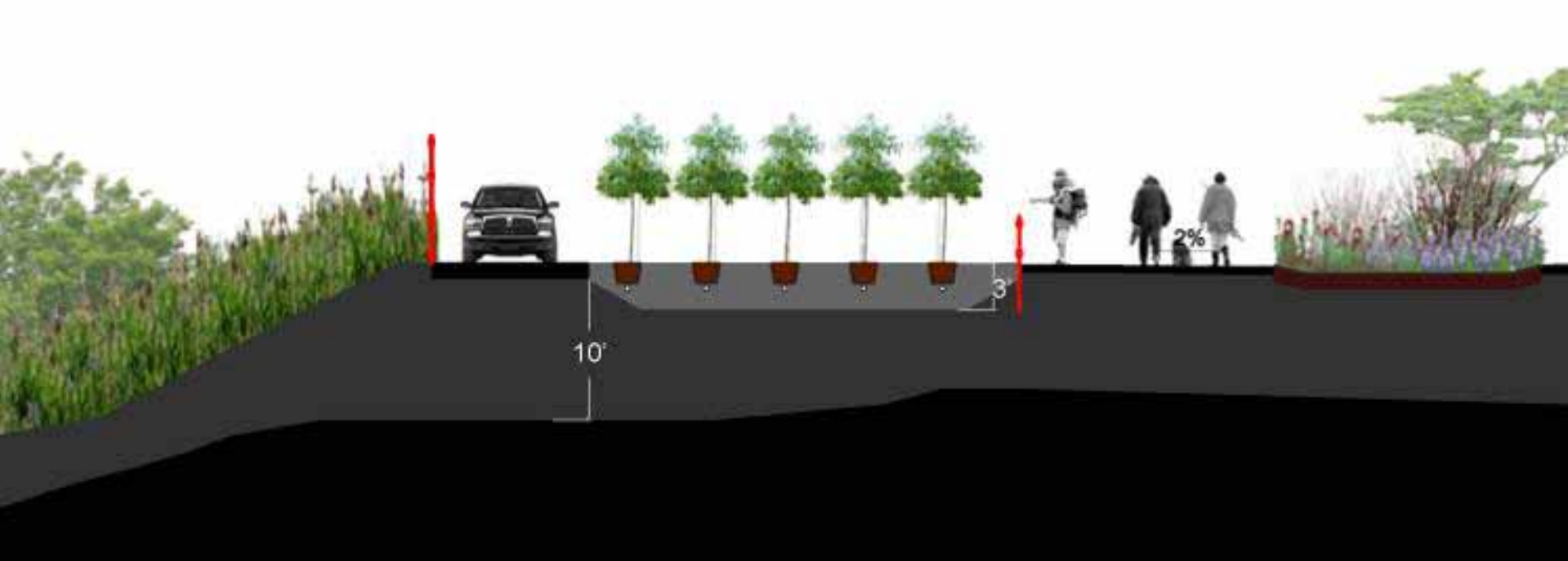
Common:

Amelanchier Canadensis
Quercus alba
Acer rubrum
Betula nigra
Quercus palustris
Nyssa sylvatica
Liquidambar styraciflua
Fraxinus pensylvanica
Betula populifolia

Uncommon:

Quercus bicolor
Magnolia virginiana

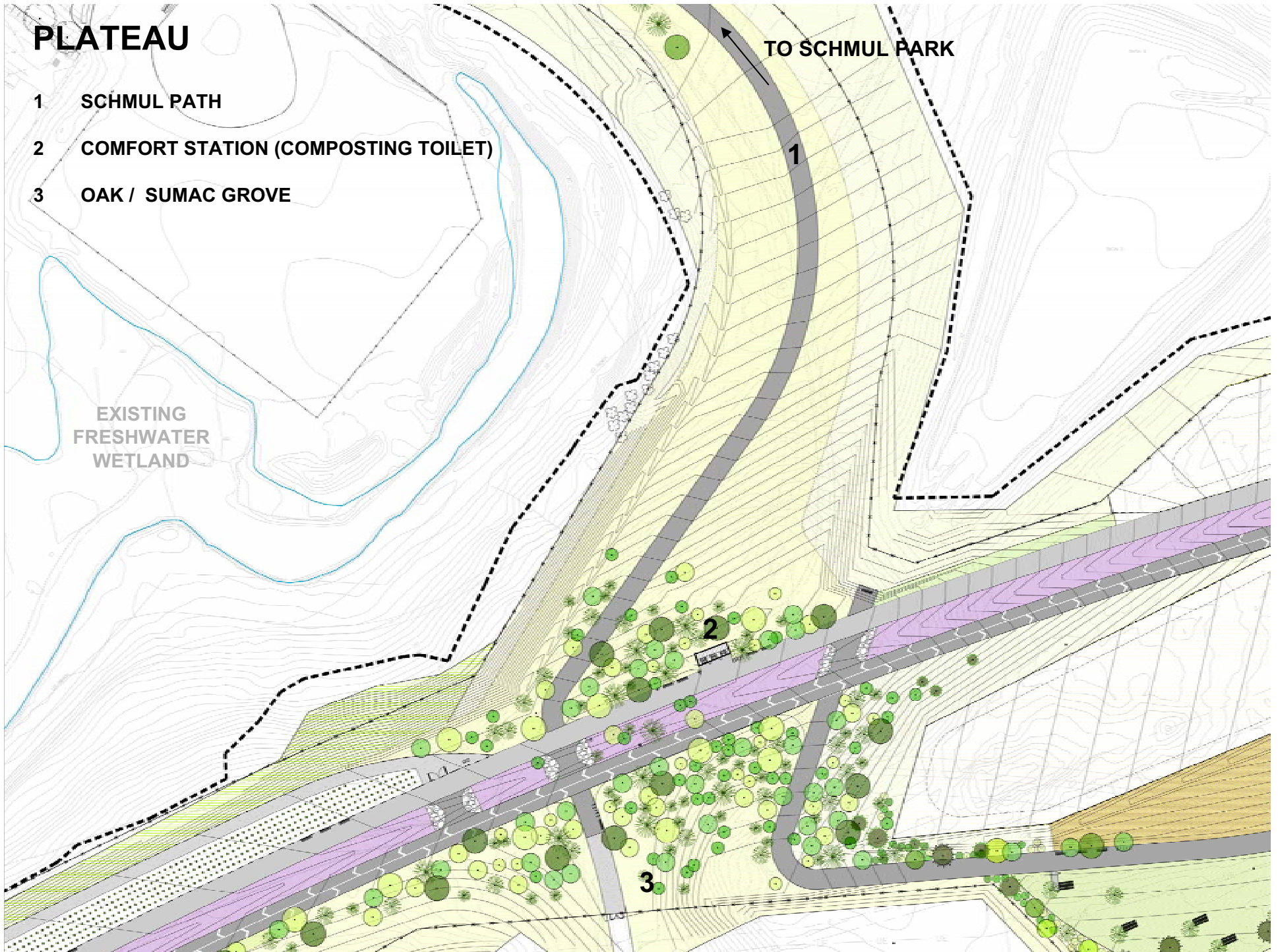
TREE NURSERY



PLATEAU

- 1 SCHMUL PATH
- 2 COMFORT STATION (COMPOSTING TOILET)
- 3 OAK / SUMAC GROVE

TO SCHMUL PARK

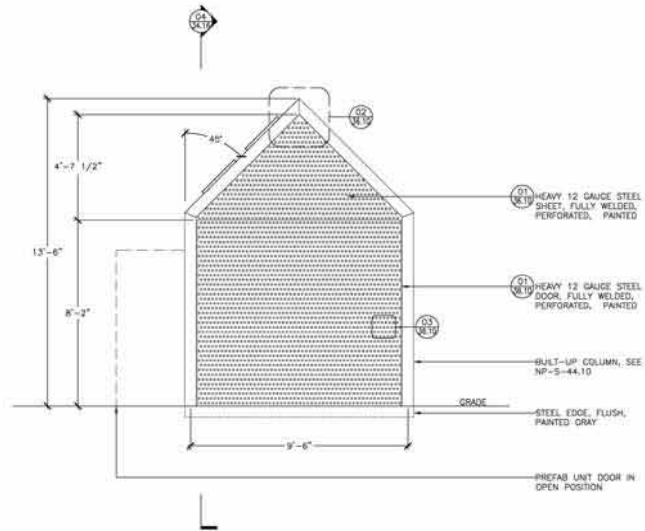


COMFORT STATION AT SUMAC OAK PLATEAU

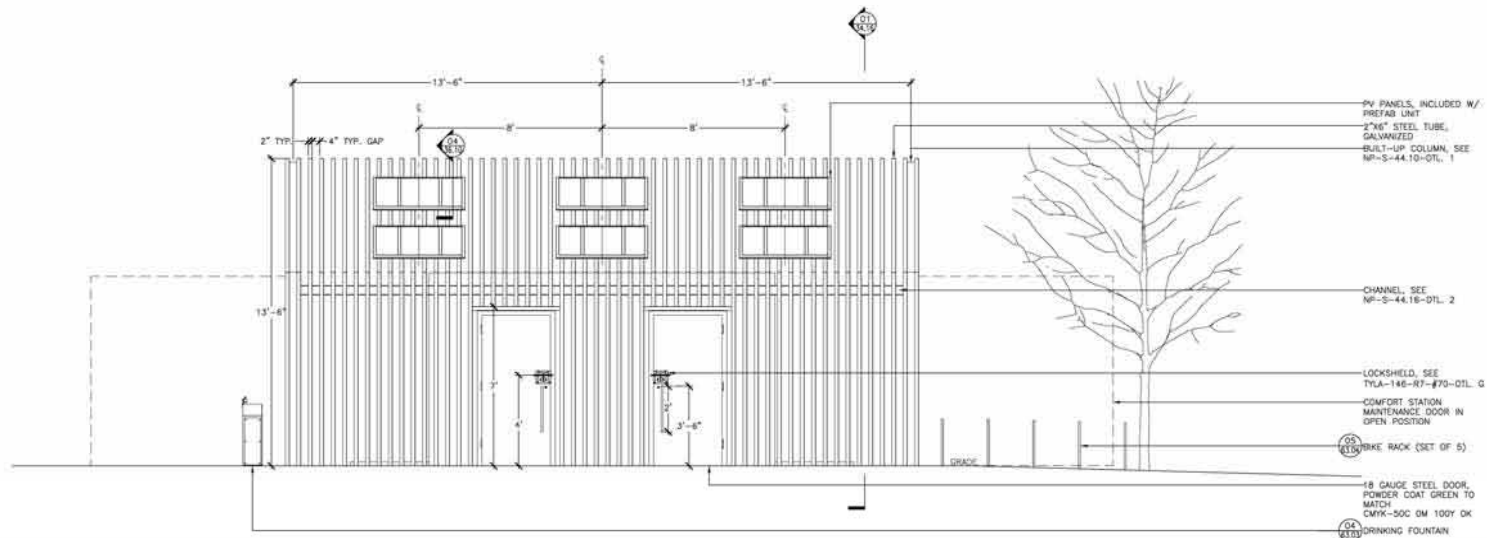


COMFORT STATION





1 COMFORT STATION ELEVATION
SCALE: 1/2"=1'



2 COMFORT STATION SITE ELEVATION
SCALE: 1/2"=1'



NOTES



LEAD CONSULTANT:
fo
 Field Operations
 478 North Ave., 10FL New York, NY 10018 212-423-1400

SUB-CONSULTANT:
City of New York Parks & Recreation
 Olmsted Center
 Flushing Meadows-Corona Park
 Flushing, New York

PROJECT TITLE:
 CONSTRUCTION OF A COMFORT STATION, MULTUSE PATHWAY AND OVERLOOK STRUCTURES, BOUNDED BY DEAN AVENUE, THE SEER ENGINE EXPRESSWAY, FRESHKILLS AND MARX CREEK, IN THE NORTH PARK SECTION OF FRESH KILLS PARK, BOROUGH OF STATEN ISLAND

DRAWING TITLE:
COMFORT STATION CONTEXT ELEVATIONS

DESIGNED BY: FO	DRAWN BY: FO	CHECKED BY: FO
REVIEWED TEAM LEADER: Mike Bovea	REVIEWED DEPUTY CHIEF OF DESIGN: David Caruso	REVIEWED PROJECT MANAGER: Angela Chandler
APPROVED CHIEF OF DESIGN: Charles McKinley	APPROVED CHIEF ENGINEER: Jim Tait	CONTRACT NO.: Contract # R017-2009
<small>THE ABOVE SIGNATURES DO NOT IN ANY WAY RELEASE THE CONSULTANT FROM ITS RESPONSIBILITIES REGARDING THE ACCURACY AND COMPLETENESS OF THIS DRAWING.</small>		
DATE: 01.23.09	SCALE: 1/2"=1'	SHEET NO. 1 SHEETS NP-A-34.15 59/127

SEED FARM + BIRD TOWER

- 1 PICNIC LAWN
- 2 OVERLOOK DECK
- 3 SEED FARM
- 4 BIRD TOWER



PICNIC LAWN



VIEW FROM OVERLOOKDECK TO BIRD TOWER



SEED FARM + BIRD TOWER

- 1 PICNIC LAWN
- 2 OVERLOOK DECK
- 3 SEED FARM
- 4 BIRD TOWER



MAIN CREEK

SEED FARM : GRASSES Dry/Mesic

10.7%



Indian Nut Grass

3.6%



Little Bluestem

3.6 %



Panic/Switch Grass

3.6 %



Broomsedge

SEED FARM : COVER CROPS

Various percentages



Hairy Vetch



Buckwheat



Spring Oats



Forage radish



Crimson clover

SEED FARM SPECIES



Gray Goldenrod (SN)



Early Goldenrod (SJ)



Canada Goldenrod (SC)



**Flat-top Goldentop
(EG)**



**Rough leafed Goldenrod
(SR)**



Smooth Blue Aster (SL)



**New England Aster
(SNA)**



**New York Ironweed
(VN)**



Joe-pye weed (EF)



Dogbane (AC)



Common Milkweed (AS)



Frost Aster (SP)

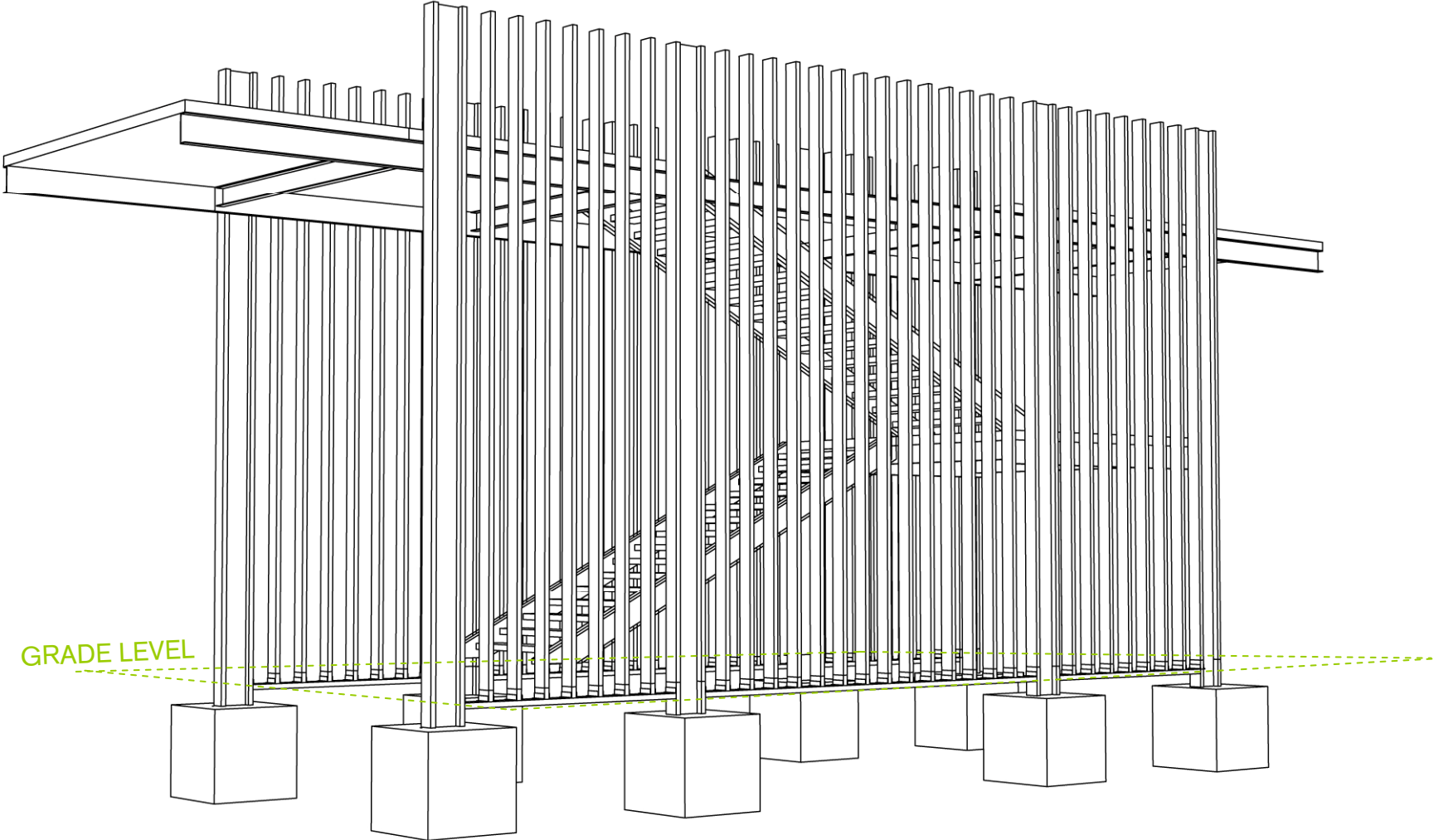


Swamp Milkweed (AI)

BIRD TOWER LOOKING NORTH EAST



BIRD TOWER STRUCTURE



BIRD TOWER CLADDING



BIRD TOWER VIEWING PLATFORMS



BIRD TOWER LOOKING EAST



SEED FARM LOOKING WEST

