PUSSY'S POND PARK UPDATE

CARLSON DESIGN & PLANNING

CD
&P

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DESIGN-BUILD CONTRACTOR
PUSSY'S POND PARK RESTORATION
TOWN OF EAST HAMPTON
FUNDED IN PART BY NY DEPARTMENT OF STATE
JULY 2016- JULY 2017

BACKGROUND-Site Specific Strategy

Issues

- Increased runoff from road paving
- Erosion caused by runoff
- Unsafe edge and losing land
- Sediment and nutrients carried to Pond
- Duck feeding tradition
- Trampling of shore plants
- Food/feces entering pond

Solutions

- Capture runoff near road
- Store, absorb, and filter it
- Use plants to cleanse water
- Re-establish prior shoreline
- Restore brackish saltmarsh
- Smooth and stabilize bank
- Tree/shrub/flowers buffer
- Define paths for safe access
- Educate/enlist public (kids!)

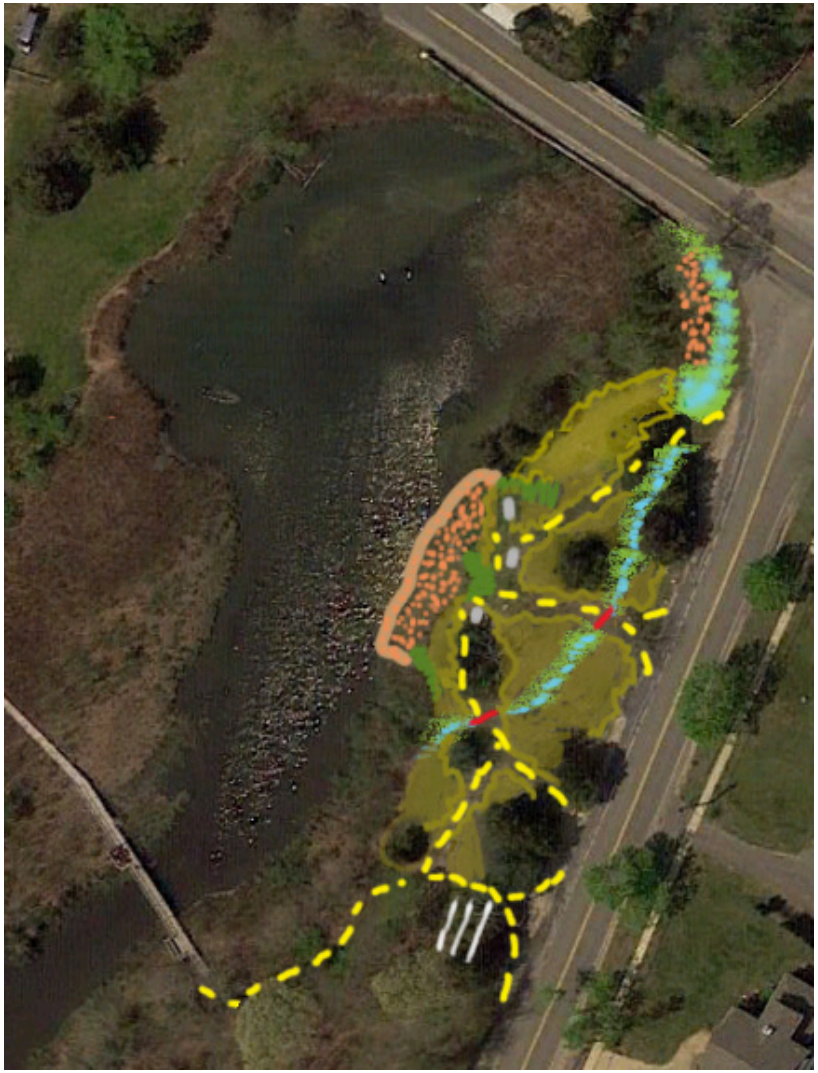
Circa 2000

2016

1984

2013

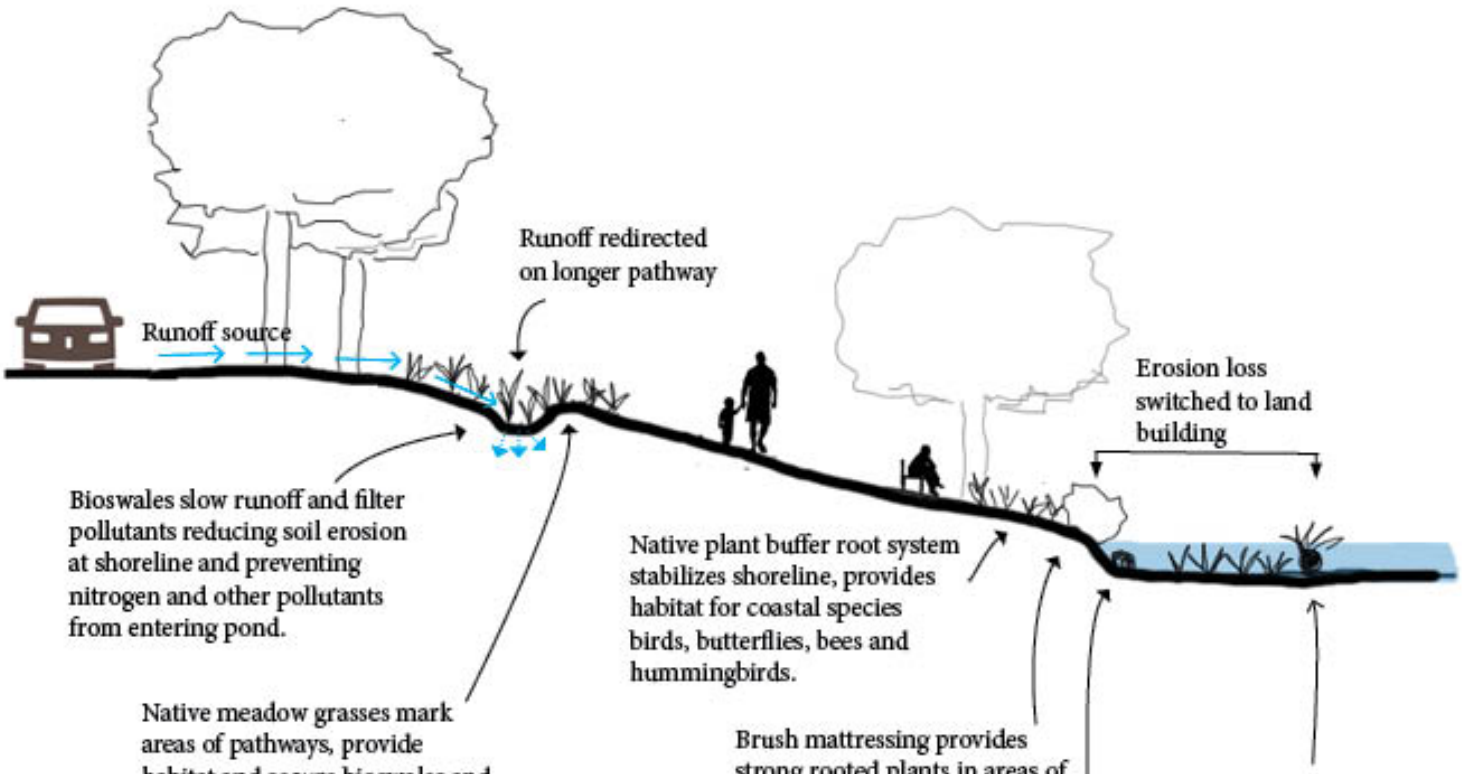
How to Repair Impacts?



Multifaceted Design that restores ecological functions of the park, especially repair of the shoreline and marsh

- Stormwater Management
- Buffer Restoration
- Shoreline Stabilization
- Phragmites Control
- Meadow Establishment
- Paths, Signs, Engagement

Pussy's Pond Park Restoration: How it works - Natural System Strategies



Not To Scale

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Stormwater Management: Bioswale

BEFORE

AFTER

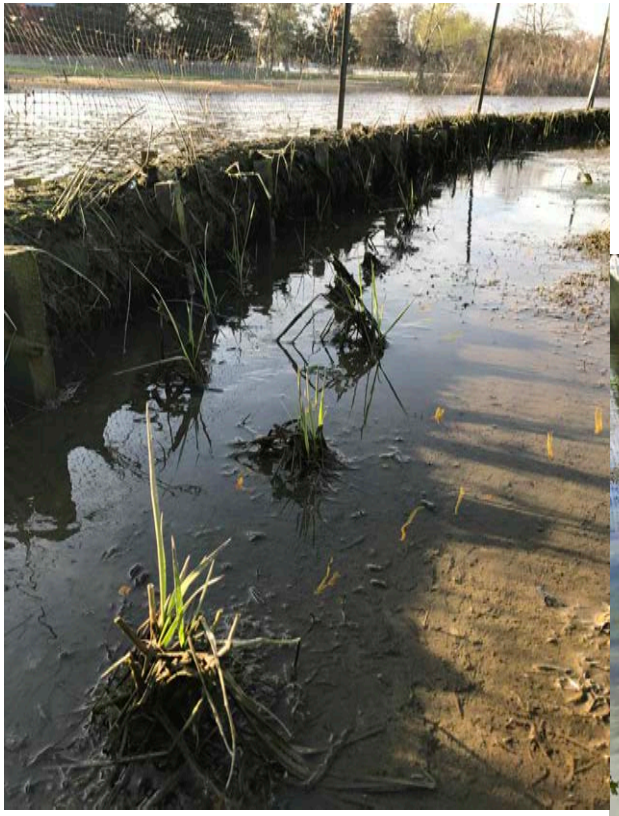
Stormwater Management:Bioswale

BEFORE

AFTER

Shoreline Stabilization: Coir Fascine

Plant Establishment – challenges and successes



Shoreline Stabilization: Brush Fascine

Shoreline Stabilization: Brush Mattress

BEFORE

AFTER

BEFORE

AFTER

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Buffer Zone

BEFORE

AFTER

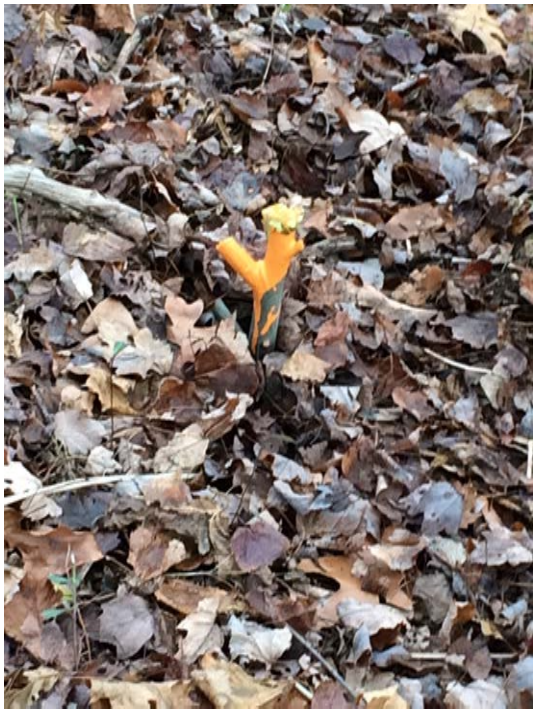
Meadows and Paths

BEFORE

AFTER

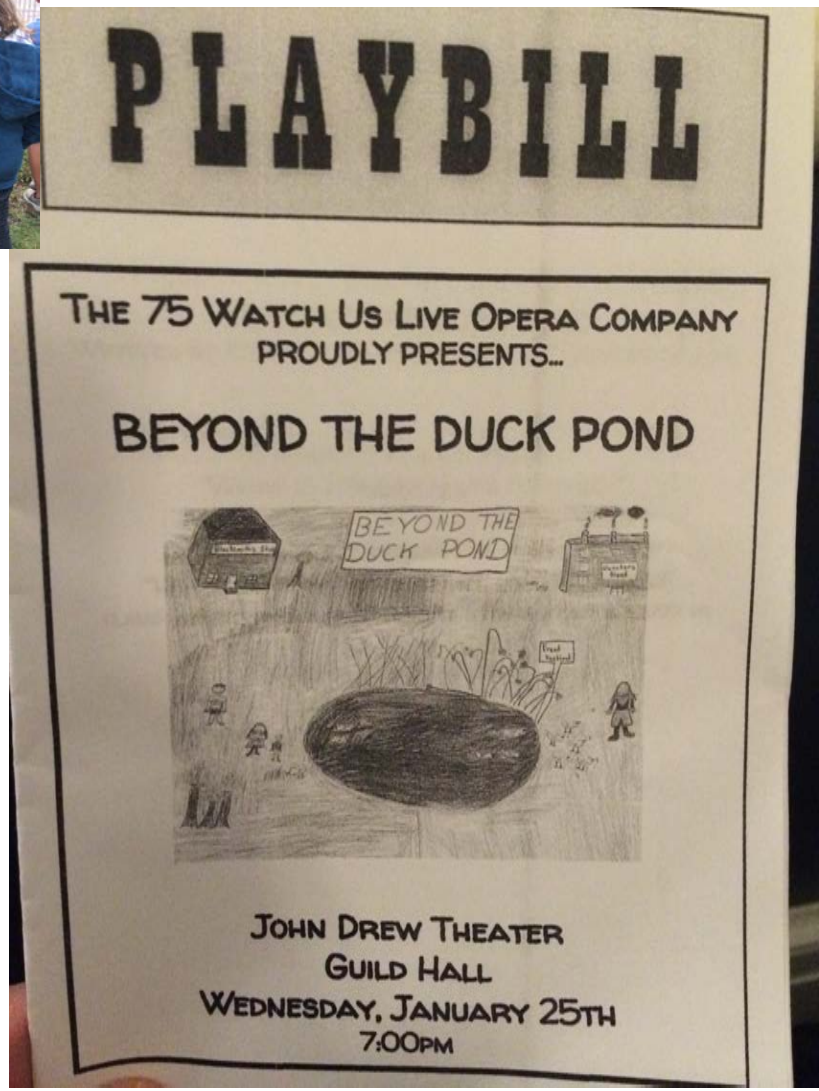
Live Stakes

To increase root reinforcement and to shade out invasive species, this effective method was used



Phragmites Control

DONT
FEED
THE
DUCKS


PLAYBILL
THE 75 WATCH US LIVE OPERA COMPANY
PROUDLY PRESENTS...
BEYOND THE DUCK POND
BEYOND THE DUCK POND
JOHN DREW THEATER
GUILD HALL
WEDNESDAY, JANUARY 25TH
7:00PM

Recommended Next Steps

- Protect wetland new growth/assist species restoration

- Seed mussels/oysters along coir fascines

- Install split rail fence along roadside of corner bioswale, and possible entire School Street side of park with large openings for pathways

- Improve seating
    - Move existing benches back to optimize views and safe access
    - Create rustic amphitheater log seating for outdoor classroom

- Permanent Signage, explaining restoration measures & ecological functions

- Encourage local groups and/or school to adopt the park/preserve for maintenance, invasive species control and stewardship

COIR FASCINE MUSSEL/OYSTER SEEDING

- Living shorelines improve water quality, provide habitat, increase biodiversity, and add resilience
- Shellfish are major workhorses that complement vegetation

QUESTIONS??