

CT DOT

Route 7

File No.: 198500874

City and State: Norwalk, CT

General Impacts: 10.69 acres in ten sites consisting of PEM, PSS, and a pond.

Functions and Values Lost: Unknown

Year(s) Mitigation Constructed: July 1990

Size and Type of Mitigation as Proposed: 8.1 acres PEM and PSS

Proposed Functions and Values of Mitigation: Unknown

Mitigation Special Condition(s):

6. The permittee shall create 8.1 acres of wetlands as compensation for wetland impacts of the project in accordance with the wetland mitigation report and plan.

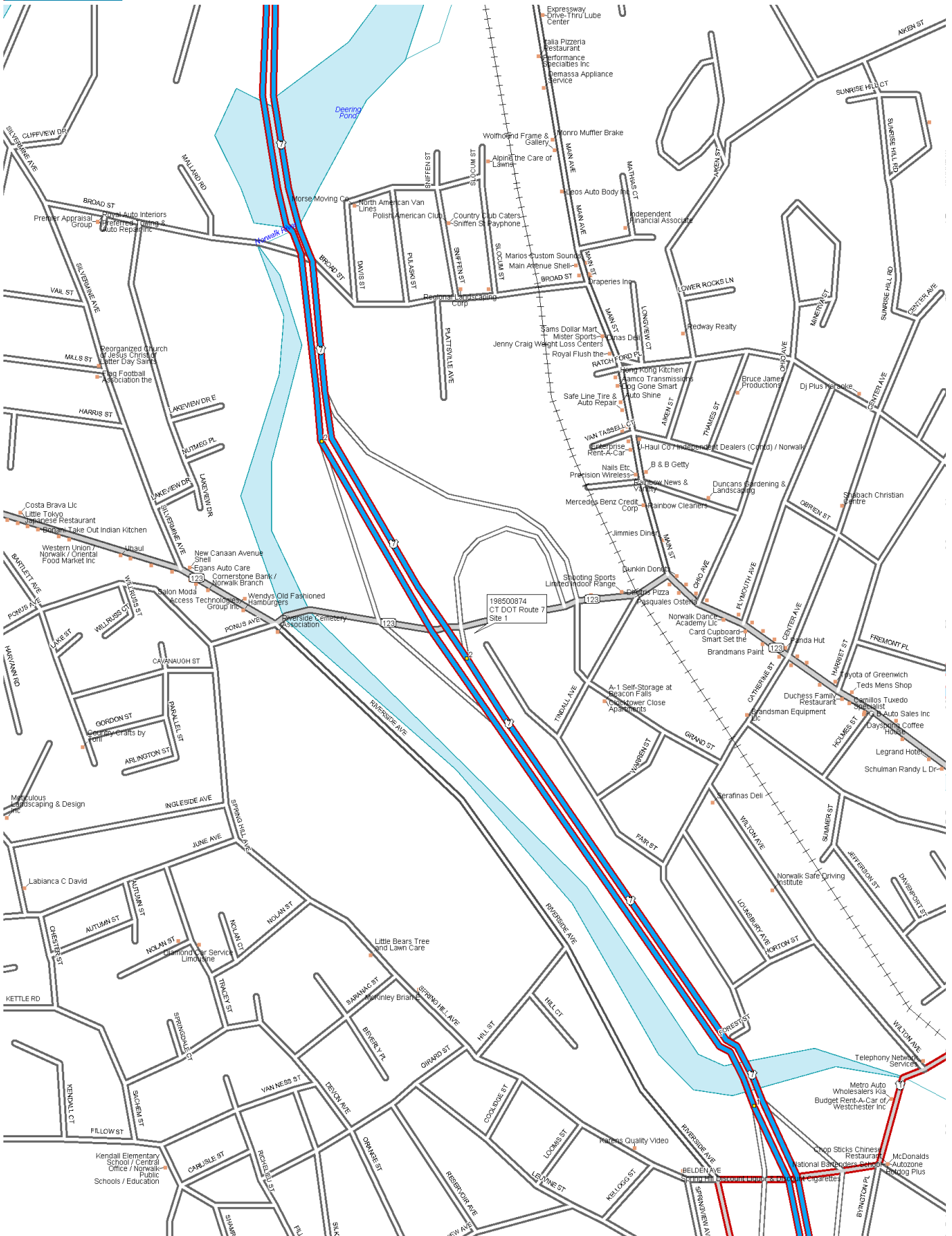
Further Special Conditions are not available due to missing section of permit in file.

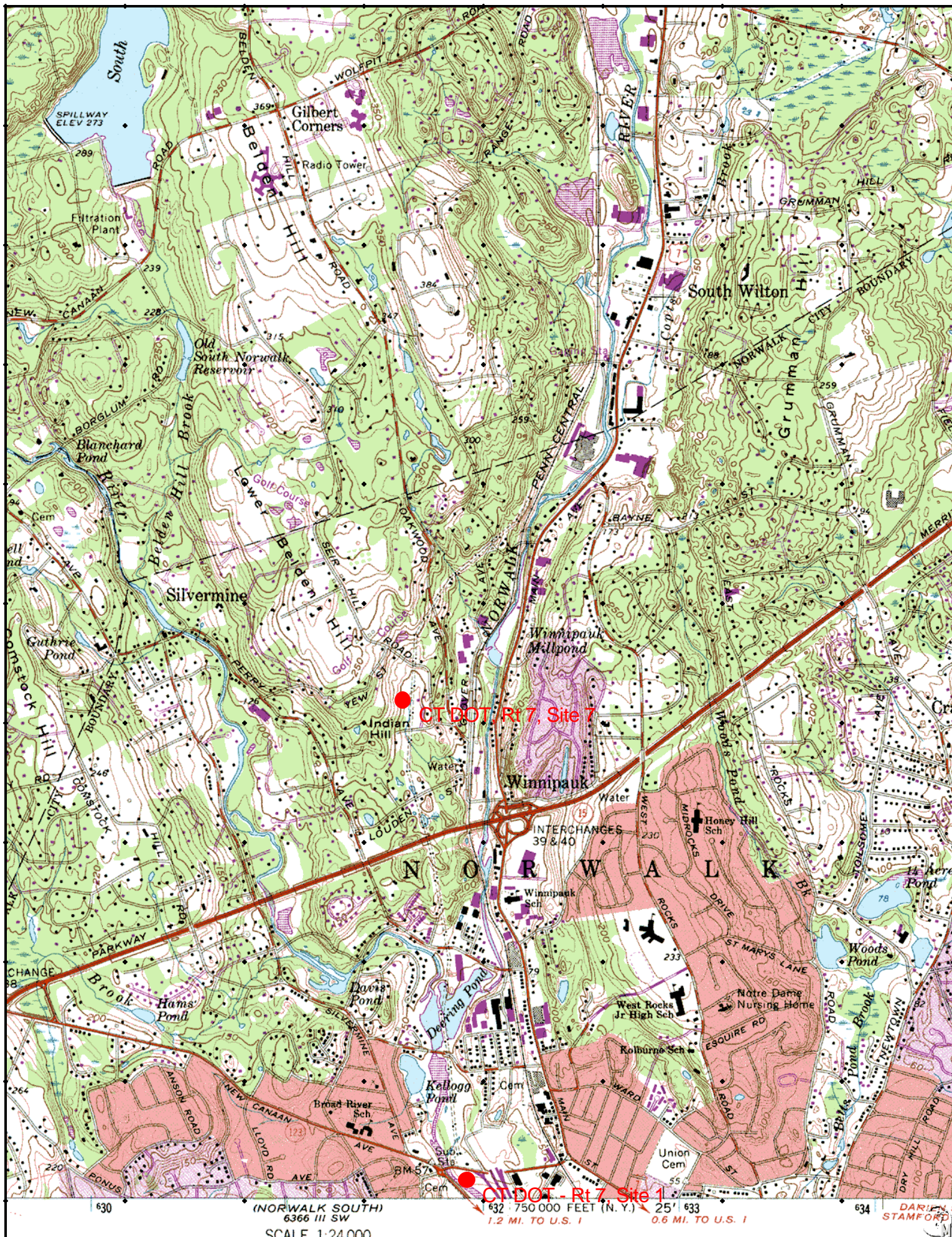
Remarks:

Unable to find separate mitigation plan in the file. Only plans are the permit drawings which show some of the sites: Sites 1 and 4 are on a sheet entitled "Revised Planting Plan" dated 2/6/90 by Environmental Design Associates; Sites 2,3 and 10 are on sheet 6; Sites 3 and 10 are on sheet 9; Site 4 is on sheet 14; Site 7 is on Sheet 19; Site 9 is on sheet 23.

Directions:

Take 95/128 south to exit 25, Mass Pike/I-90. Take exit 9, I-84/US-20 to Hartford/New York City. Take exit 57, CT 15 south on the left towards I-91 south/Charter Oak /NY City. Stay straight to go onto CT-15 south. Take exit 86, I-91 south towards New Haven/NY City. Take exit 17, CT-15 south. Take to exit 40 for US-7. Site 1 is just off Route 7 south of Rt. 15; Site 7 is north.





MITIGATION SITE FIELD DATA FORM

Site Name: CT DOT Rt. 7 File No. 198500874

City/Town: Norwalk State: CT Waterbody: Norwalk River

Monitor(s): Keith Wright Date: 8-27-02

Was site constructed? yes

Is site wetland? yes

Size of proposed wetland: 8.1 acres over several sites of which 2 were in this study

Actual size of wetland: TBD

Landscape position: river valley

Lat/Long Points:

Site 1: 41.12548N 73.42758W

Site 7: 41.14768N 73.43141W

Saved GPS Waypoint name: NOR7A, NOR7B

GPS Tracking Log Name: N/A

Perimeter: TBD

Surrounding land use:

Site 1: forested wetland, highway, upland

Site 7: forest, highway

Is wetland function compromised by surrounding land use?

No

Plant health:

Good

Invasive species:

Lythrum salicaria at both sites. Phragmites australis at SW basin

Wildlife use:

Site 1: bees, birds, hundreds of small fish in stream

Site 7: Herd of whitetail deer, great blue heron, ducks

Plants:

Site 1:

Acorus calamus

Alisma sp.

Alnus rugosa

Carex sp.

Eleocharis sp.

Impatiens capensis

Lythrum salicaria (8' high)

Onoclea sensibilis

Polygonum sp.

Sagittaria latifolia

Solidago sp.

Site 7 - East basin:

Acer rubrum

Acorus calamus

Carex sp.

Eupatorium maculatum

Eupatorium perfoliatum

Galium sp.

Impatiens capensis

Iris sp.

Juncus effusus

Lythrum salicaria

Onoclea sensibilis

Rubus sp.

Sagittaria latifolia

Salix sp.

Scirpus cyperinus

Sparganium sp.

Thistle

Typha latifolia

Verbena hastata

Site 7 - Northwest basin:

Alnus rugosa

Nymphaea odorata

Onoclea sensibilis

Sagittaria latifolia

Scirpus cyperinus

Typha latifolia

Site 7 - Southwest basin:

Asclepias incarnata

Carex lurida

Carex sp.

Carex stricta

Cirsium/Carduus spp.

Eleocharis sp.

Impatiens capensis

Leersia oryzoides

Nuphar lutea

Onoclea sensibilis

Phragmites australis

Pontederia cordata

Sagittaria latifolia

Salix sp.

Scirpus atrovirens

Scirpus cyperinus

Solidago sp.

Sparganium sp.

Typha latifolia

Verbena hastata

Soils data:

Soils data were not collected at this site.

Sketch approximate mitigation site, noting areas and types of wetlands, waters, other features, landscape position, landmarks, etc., and data and photo point(s)

See file.

Overall Description of site:

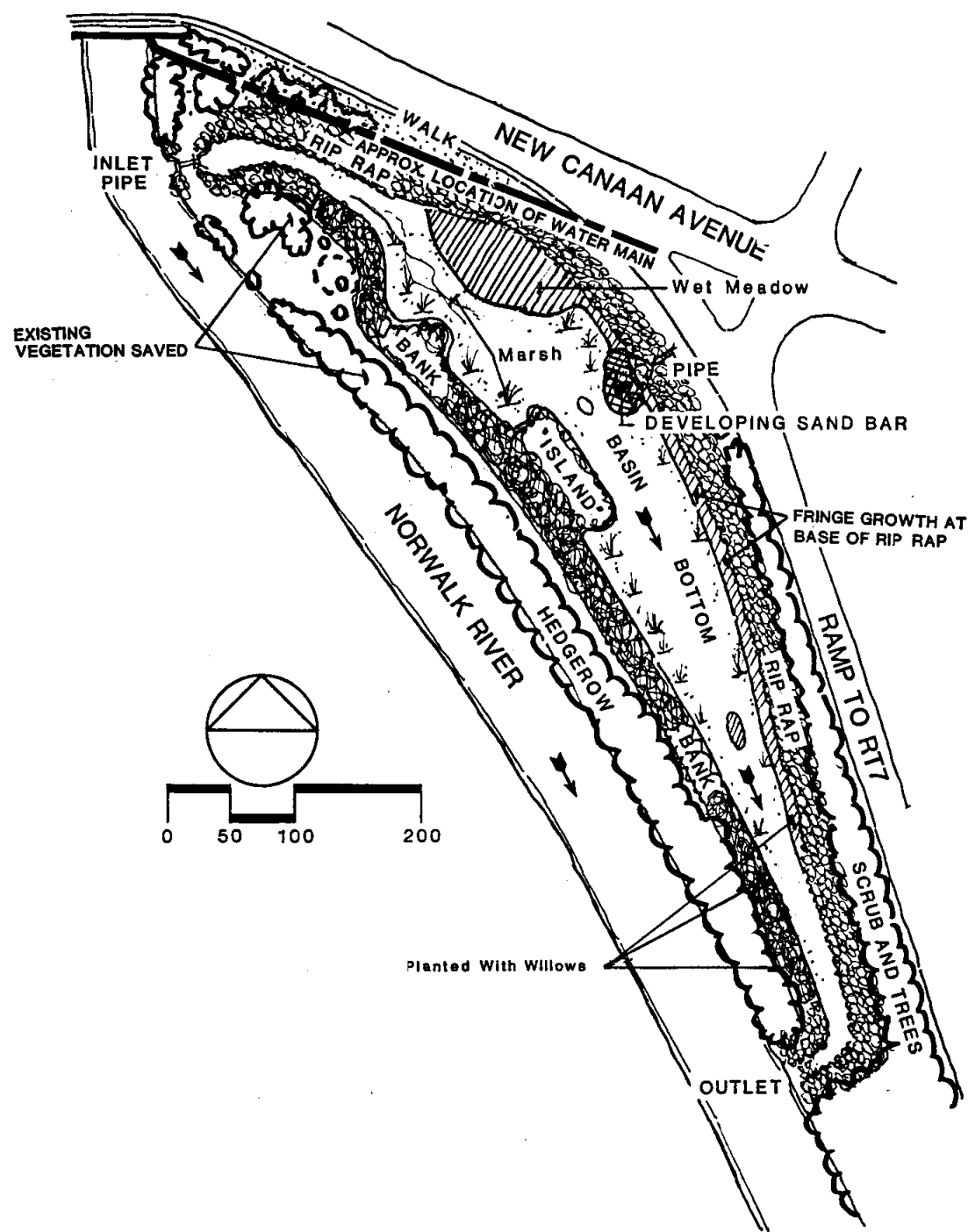
This visit looked at two of the several sites that comprise this large mitigation project. Site 1 was accessed by parking across the Norwalk River at Wendy's and walking to the power plant and entering the woods and following a stream downstream. The site is bounded on one side by a RT 7 on-ramp. The ground was saturated to the surface and had mud greater than one foot deep. Primary functions for this site include fish habitat, flood storage, nutrient cycling, and nutrient export.

Site 7 was comprised of PEM basins on either side of Rt. 7. The western basin was split by a giant rock slide but is still connected hydrologically. Primary function is wildlife habitat.

Comments, problems, recommendations:

None













Site Plan



Wetland Function-Value Evaluation Form

total mit
 Total area of wetland 8.1 ac Human made? yes Is wetland part of a wildlife corridor? no or a "habitat island"? yes
 Adjacent land use highway Distance to nearest roadway or other development 10 feet
 Dominant wetland systems present PEM, PSS Contiguous undeveloped buffer zone present 0%
 Is the wetland a separate hydraulic system? no If not, where does the wetland lie in the drainage basin? low
 How many tributaries contribute to the wetland? 0 Wildlife & vegetation diversity/abundance (see attached list)

CT DOT Route 7, Norwalk
 Wetland I.D. 199500874-1
 Latitude N41.12548 Longitude W73.42758
 Prepared by: RL PM Date 5/14/03
 Wetland Impact:
 Type _____ Area _____
 Evaluation based on:
 Office X Field _____
 Corps manual wetland delineation
 completed? Y _____ N X

Function/Value	Suitability Y N		Rationale (Reference #)*	Principal Function(s)/Value(s)	Comments
 Groundwater Recharge/Discharge		X			
 Floodflow Alteration	X			X	in Norwalk River floodplain
 Fish and Shellfish Habitat	X			X	
 Sediment/Toxicant Retention	X				
 Nutrient Removal	X			X	dense vegetation
 Production Export	X			X	via river primarily
 Sediment/Shoreline Stabilization		X			
 Wildlife Habitat	X				
 Recreation		X			no good access
 Educational/Scientific Value		X			
 Uniqueness/Heritage		X			
 Visual Quality/Aesthetics		X			
ES Endangered Species Habitat		X			none known
Other					













Notes:

* Refer to backup list of numbered considerations.

Wetland Function-Value Evaluation Form

total mit
 Total area of wetland 8.1 ac Human made? yes Is wetland part of a wildlife corridor? no or a "habitat island"? no
 Adjacent land use highway Distance to nearest roadway or other development 10 feet
 Dominant wetland systems present PEM, POW Contiguous undeveloped buffer zone present 50%
 Is the wetland a separate hydraulic system? no If not, where does the wetland lie in the drainage basin? low
 How many tributaries contribute to the wetland? Wildlife & vegetation diversity/abundance (see attached list)

CT DOT Route 7, Norwalk
 Wetland I.D. 198500874-7
 Latitude N41.14768 Longitude W73.43141
 Prepared by: RL PM Date 5/14/03
 Wetland Impact:
 Type Area
 Evaluation based on:
 Office X Field
 Corps manual wetland delineation
 completed? Y N X

Function/Value	Suitability Y N		Rationale (Reference #)*	Principal Function(s)/Value(s)	Comments
 Groundwater Recharge/Discharge		X			unlikely
 Floodflow Alteration		X			
 Fish and Shellfish Habitat		X			
 Sediment/Toxicant Retention	X				dense vegetation
 Nutrient Removal		X			
 Production Export		X			
 Sediment/Shoreline Stabilization		X			
 Wildlife Habitat	X			X	emergent and open water system
 Recreation		X			
 Educational/Scientific Value		X			
 Uniqueness/Heritage		X			
 Visual Quality/Aesthetics	X				water lilies
ES Endangered Species Habitat		X			none known
Other					

Notes:

* Refer to backup list of numbered considerations.

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Norwalk, CT
8/27/02



Site 1 panorama. Note *Lythrum salicaria*.



Site 1 dominant vegetation



Site 1 looking downstream



Site 7 eastern basin panorama. Note *Lythrum salicaria*.



Site 7 western basin panorama

USGS Norwalk, Connecticut, United States 12 Apr 1991



0 1 2 3 4 5 Km

0 1 2 3 4 5 Mi

Image courtesy of the U.S. Geological Survey
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