

Stop & Shop

File No.: 199501396

City and State: Milford, CT

General Impacts: Discharge of clean fill into 0.34 acres non-tidal freshwater.

Functions and Values Lost: (from database)

- Groundwater
- Floodflow Alteration
- Wildlife Habitat

Year(s) Mitigation Constructed: November 1997

Size and Type of Mitigation as Proposed:

- 0.48 acre emergent
- 0.05 scrub-shrub

Proposed Functions and Values of Mitigation: (From EA/SOF)

- Sediment/Toxicant Retention
- Floodflow Alteration
- Wildlife Habitat

Mitigation Special Condition(s):

6. The wetland restoration and mitigation shall be performed as described in the "Wetland Mitigation Plan" prepared by Langen Engineering and Environmental Services, dated "1 March 1996".

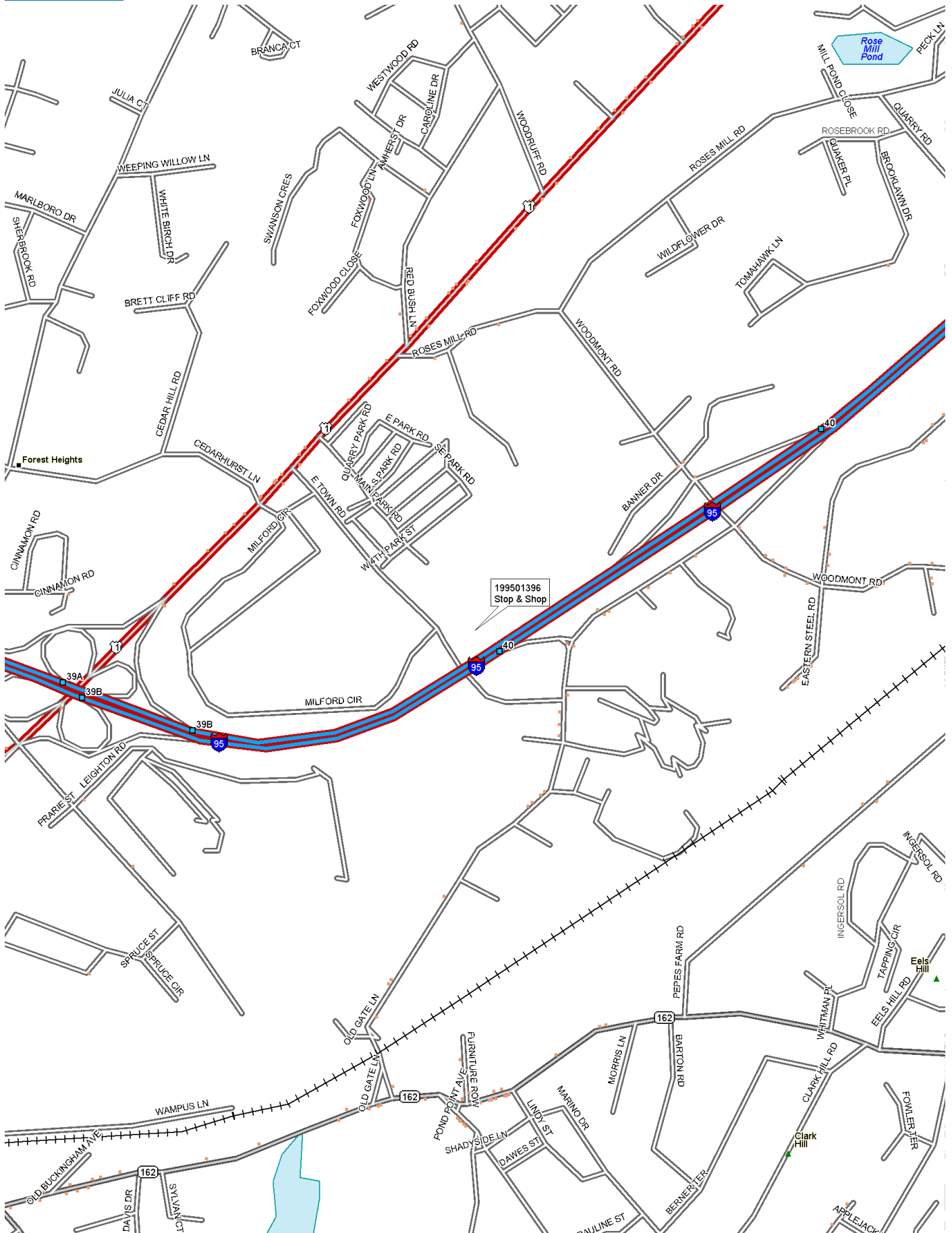
7. The goals of the mitigation are to replace those functions and values lost from the filling of approximately 0.34 acre of freshwater wetlands by the creation of the basin enhancement area (5,000 square feet), wetland creation area (15,860 square feet), and wetland enhance area (2,200 square feet) totaling 23,000 square feet of freshwater wetlands. If during final design, construction, etc., anything found that would affect the achievement of the mitigation goals, the permittee through their environmental consultant shall notify the Corps of Engineers, Inspection Section. Measures to help ensure success of the site shall be taken pending review and approval by the Corps.

Remarks:

None

Directions:

Take Route I-95 south (be sure to stay on I-95 when I-93 and I-95 split) to exit 39. Go north to first right. Stop & Shop is on the left.





MITIGATION SITE FIELD DATA FORM

Site Name: Stop & Shop File No. 199501396

City/Town: Milford State: CT Waterbody: Indian River

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

Was site constructed? yes

Is site wetland? yes

Size of proposed wetland: 0.36 acre and 0.11 acre storm water retention

Actual size of wetland: approximately the same

Landscape position: TBD

Lat/Long Points: 41.23723N 73.02935W

Saved GPS Waypoint name: SS

GPS Tracking Log Name: N/A

Perimeter: TBD

Surrounding land use:
Shopping mall, and a mile long swath of trees separating the site from a highway

Is wetland function compromised by surrounding land use?
Wildlife has minimal access to the site due to a fence and a high level of development that surrounds it.

Plant health:
Good

Invasive species:
Phragmites australis, Lythrum salicaria

Wildlife use:
Deer nibble, sleeping depression

Plants:

SW Site:

Alnus rugosa
Asteraceae sp.
Carex crinita
Carex lurida
Carex stricta
Eleocharis sp.
Eupatorium perfoliatum
Euthamia graminifolia
Juncus effusus
Lythrum salicaria
Phragmites australis
Rubus sp.
Salix sp.
Scirpus cyperinus
Typha angustifolium
Typha latifolia
Verbena hastata
Vitis sp.

NE Site:

Asclepias incarnata
Carex sp.
Carex stricta
Eupatorium perfoliatum
Galium sp.
Impatiens capensis
Iris sp.
Leersia oryzoides
Lotus corniculatus
Lythrum salicaria
Panicum sp.
Phragmites australis
Rosa multiflora
Salix sp.

Scirpus cyperinus
Typha latifolia

Soils Data:

Soils data 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:

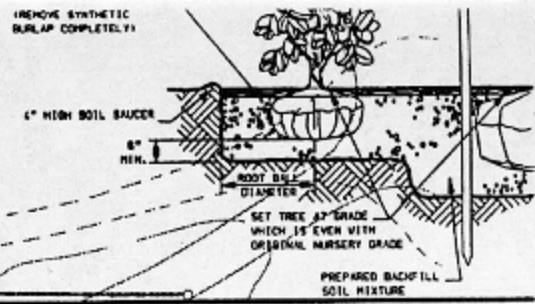
This site consists of two sections, both of which are densely vegetated. The SW site is a PSS and the NE site is a PEM/PSS. A storm water drainage basin is also part of the site; its banks were densely vegetated.

Comments, problems, recommendations:

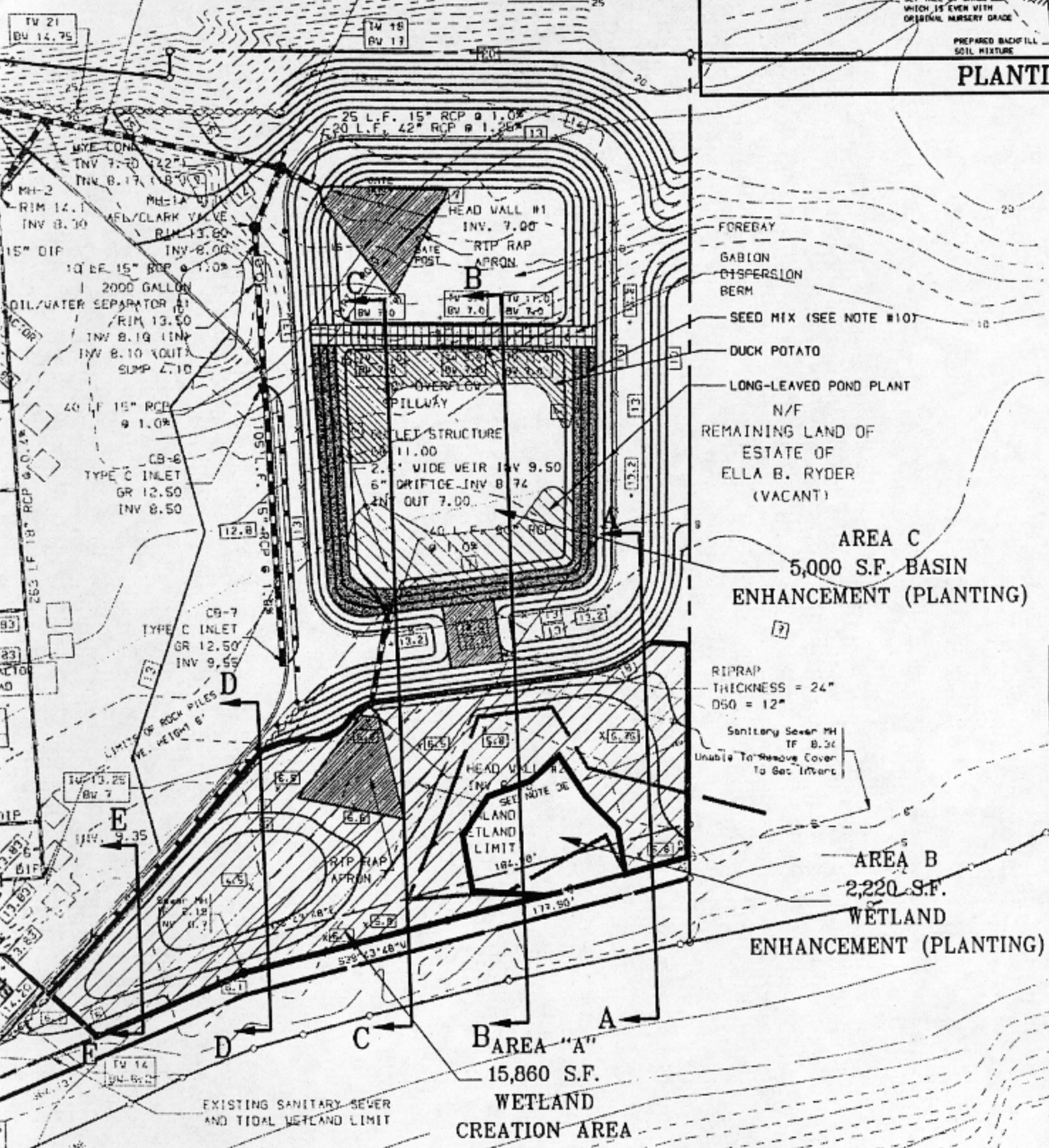
A sedimentation fence is still at the site, albeit lying on the ground. The site has healthy populations of *Lythrum salicaria* and *Phragmites australis* that may come to dominate the site.

CB-5
TYPE C INLET
GR 14.4
INV 8.38 (INI)
INV 7.90 (OUT)

MH-1
RIM 16.0
INV 7.80 (15"-INI)
INV 7.25 (42"-INI)
INV 7.25 (42"-OUT)



PLANTING



2-29-9
2-21-9
2-14-9
1/5/9
9-18-9
8-22-9
DATE

199501396
Stop & Shop
Milford, CT
8/27/02



Looking northeast and southeast from the northwest sideslope



Looking northeast and east from the southwest portion of the site



Hibiscus moscheutos (swamp rosemallow) observed on site

Wetland Function-Value Evaluation Form

Total area of wetland 0.53 ac Human made? yes Is wetland part of a wildlife corridor? no or a "habitat island"? no

Adjacent land use shopping mall, riparian area Distance to nearest roadway or other development 0 feet

Dominant wetland systems present PSS, PEM Contiguous undeveloped buffer zone present 40%

Is the wetland a separate hydraulic system? yes If not, where does the wetland lie in the drainage basin? n/a

How many tributaries contribute to the wetland? 0 Wildlife & vegetation diversity/abundance (see attached list)

Wetland I.D. Stop & Shop 199501396













Latitude N41.23723 Longitude W73.02935

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				minimal – probably recharge only
 Floodflow Alteration	X				possible in very high flow events
 Fish and Shellfish Habitat		X			
 Sediment/Toxicant Retention	X			X	dense vegetation
 Nutrient Removal		X			
 Production Export		X			
 Sediment/Shoreline Stabilization		X			
 Wildlife Habitat	X				minimal
 Recreation		X			private property
 Educational/Scientific Value		X			small
 Uniqueness/Heritage		X			
 Visual Quality/Aesthetics		X			
ES Endangered Species Habitat		X			none known
Other					

Notes:

* Refer to backup list of numbered considerations.



0 200M

0 200yd

Image courtesy of the U.S. Geological Survey
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