

CT DOT

Central CT Expressway

File No.: 198601485

City and State: Farmington, New Britain, Newington, West Hartford, CT

General Impacts: 6 acres forested, 6.5 acres scrub-shrub, 1.5 acres emergent

Functions and Values Lost: (From EA/SOF)

- Floodflow Alteration
- Fish Habitat
- Wildlife Habitat
- Sediment Retention
- Nutrient Removal
- Production Export
- Recreation
- Uniqueness (geologic feature)
- Visual Quality/Aesthetics (waterfall)

Year(s) Mitigation Constructed: October 1992

Size and Type of Mitigation as Proposed: 11.5 acres scrub-shrub

Proposed Functions and Values of Mitigation:

- Nutrient Removal
- Sediment Retention
- Wildlife Habitat

Mitigation Special Condition(s):

7. This permit is contingent upon full implementation of the mitigation package, including preservation lands, wetland enhancement, and replication as presented in the preliminary design report by Metcalf & Eddy entitled "Central Connecticut Expressway, Wetlands Mitigation Plan" dated July 1989 and the subsequent final design to be approved.

Approximately 120 acres of undeveloped wetland/upland area located east and west of and immediately adjacent to the proposed project alignment shall be preserved in its natural state as part of the mitigation plan for this project. This includes sixty (60) acres currently in Connecticut DOT right-of-way ownership, and an additional sixty (60) acres adjacent to the right-of-way to be acquired by the DOT. The limits of the proposed preservation acreage are depicted on plans entitled "Central Connecticut Expressway – Index Plan, 1"=200", in two (2) sheets, undated. These areas will be preserved and maintained in an undeveloped, open space state in perpetuity. The permittee shall not

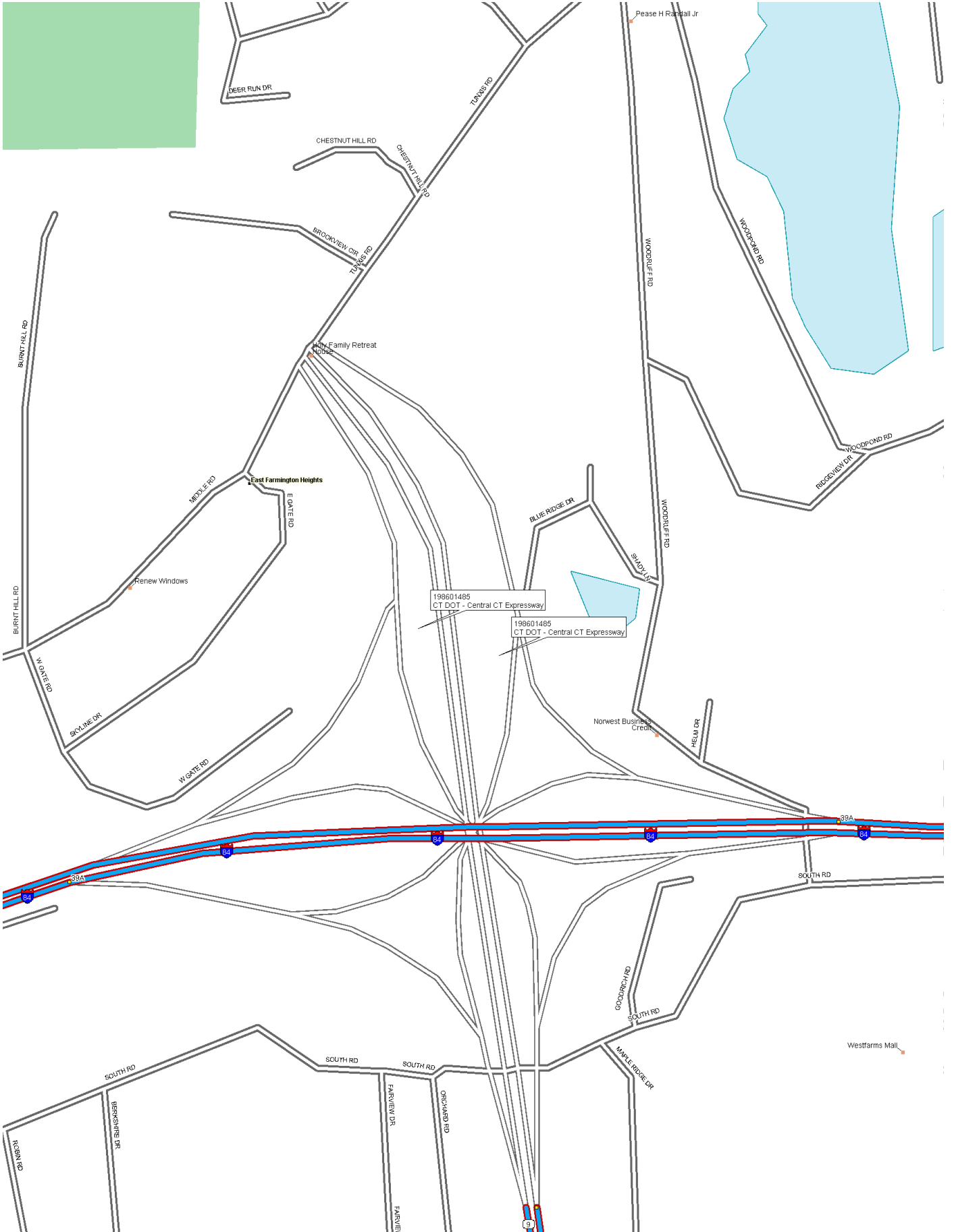
consider any lands contained in the preservation acreage to be excess property to the highway project.

Remarks:

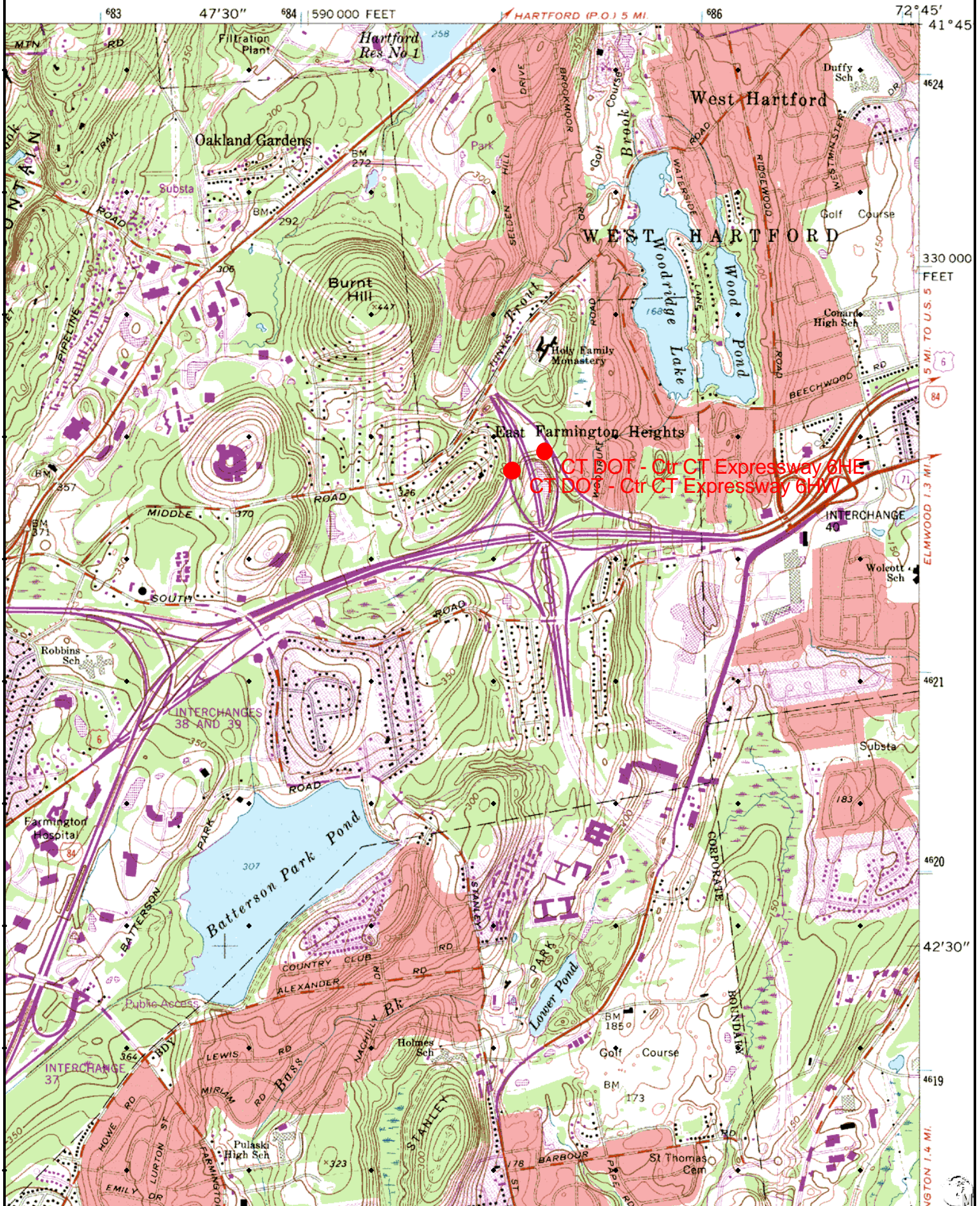
None

Directions:

Take I-95/128 south to I-90 west to I-84 west to Route 9 south in East Farmington Heights, CT. At the bottom of exit ramp, go right on access road. Drive on concrete road until it merges with another concrete road on the right side. Mitigation site 6HE is on the left of the road and down the incline between two posts where the guardrail is absent. For site 6HW, go to the end of the above-mentioned road. Turn left at end, and cross over all possible roads and go left. Go 2/10 of a mile to fork in road. Park there. The site is down a left hand fork to the first concrete site past the shrubs in the divider. There is a path on the other side of the guard rail.



CONNECTICUT - HARTFORD CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



MITIGATION SITE FIELD DATA FORM

Site Name: Central Connecticut Expressway File No. 198601485

City/Town: Newington State: CT Waterbody: _____

Monitor(s): Keith Wright, Kathleen McKee Date: 7-1-02

Was site constructed? yes layer, and the pond contained a recently-dead
crawfish and snails.

Is site wetland? yes

Size of proposed wetland: 5.1 acres

Actual size of wetland: approx. same

Landscape position: excavated depressions

Lat/Long Points: N43.01084 W071.01607

Saved GPS Waypoint name: CTCEN1

GPS Tracking Log Name: N/A

Perimeter: TBD

Surrounding land use:
Utility right-of-way roadways

Is wetland function compromised by
surrounding land use?
No

Plant health:
Vigorous

Invasive species:
Lythrum salicaria, Phragmites australis,
Elaeagnus angustifolia

Wildlife use:
Site 6HE was riddled with deer prints and
nibbled shrubs. The pond contained giant
tadpoles. Site 6HW had nibbled herbaceous

Plants:

6HE (Eastern):

Acer rubrum
Alnus glutinosa
Carex lurida
Carex stricta
Cornus ammomum
Elaeagnus angustifolia
Fraxinus pennsylvanicus
Geum sp.
Impatiens capensis
Juncus effusus
Lythrum salicaria
Myosotis sp.
Onoclea sensibilis
Phragmites australis
Polygonum sagittatum
Rosa multiflora
Scirpus cyperinus
Scirpus validus
Solidago sp.
Toxicodendron radicans
Typha latifolia

6HW (Western):

Alnus glutinosa
Alnus rugosa
Asclepias incarnata
Boehmeria cylindrica
Cedar sp.

Cicuta maculata
Cornus ammomum
Cornus sericea
Equisetum variegatum
Eupatorium maculatum
Eupatorium perfoliatum
Impatiens capensis
Juniperus virginiana
Lonicera sp.
Lythrum salicaria

Myrica pensylvanica
Phragmites australis
Prunus virginiana
Rosa multiflora
Rosa palustris
Salix discolor
Salix nigra
Scutellaria galericulata
Soldiogo sp.
Viburnum dentatum

Soils data:

Plot A

DEPTH	HORIZON	MATRIX	REDOX	COMMENTS
0 – 15"	A	2.5YR 3/3	none	silt loam with sporadic coarse sand, saturated, uniform reddish brown

Plot B

DEPTH	HORIZON	MATRIX	REDOX	COMMENTS
0 – 1"	Oe		none	hemic
1-15	A	5YR 3/3		silt loam with sporadic coarse sand, saturated, uniform reddish brown

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:

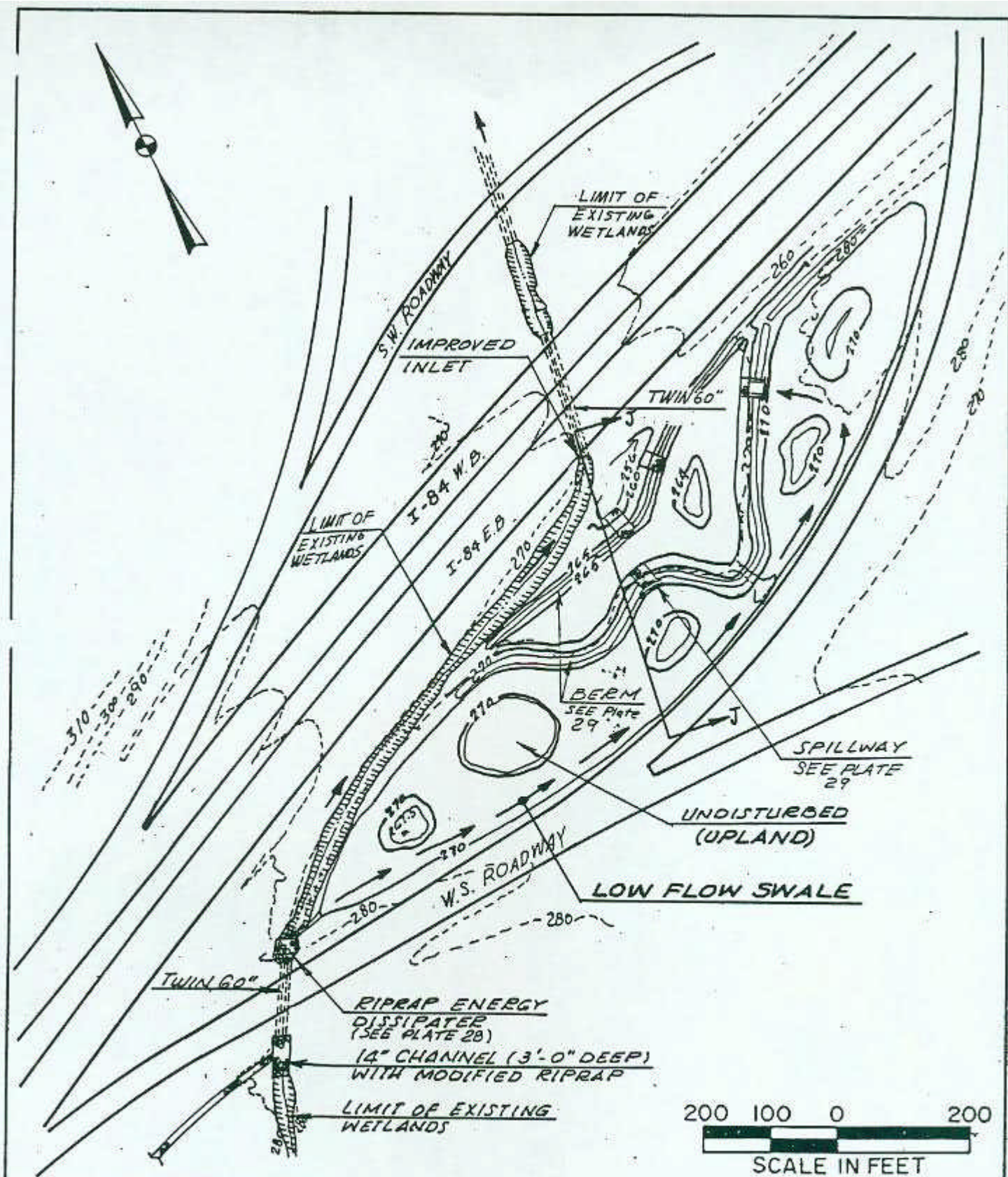
Site 6HE contained patches of dense *Phragmites australis* and large patches of *Lythrum salicaria*. It contained pockets of high herbaceous diversity invaded by *Lythrum salicaria*. A pond 1-3 feet deep is lined with *Typha latifolia*. Two ponded areas are described in the final monitoring report but only one pond was observed. A stream flows through the site. Most of the site was saturated.

Site 6HW had notably different vegetation. The ground was dominated by *Equisetum variegatum* (almost 100%). *Alnus rugosa* and *Alnus glutinosa* were also dominant. Water was not flowing from the ponded area to the culvert but the stream held water to the end of the site. Most of the site was saturated.

Both sites showed a lot of deer signs; shrubs and saplings nibbled.

Comments, problems, and recommendations:

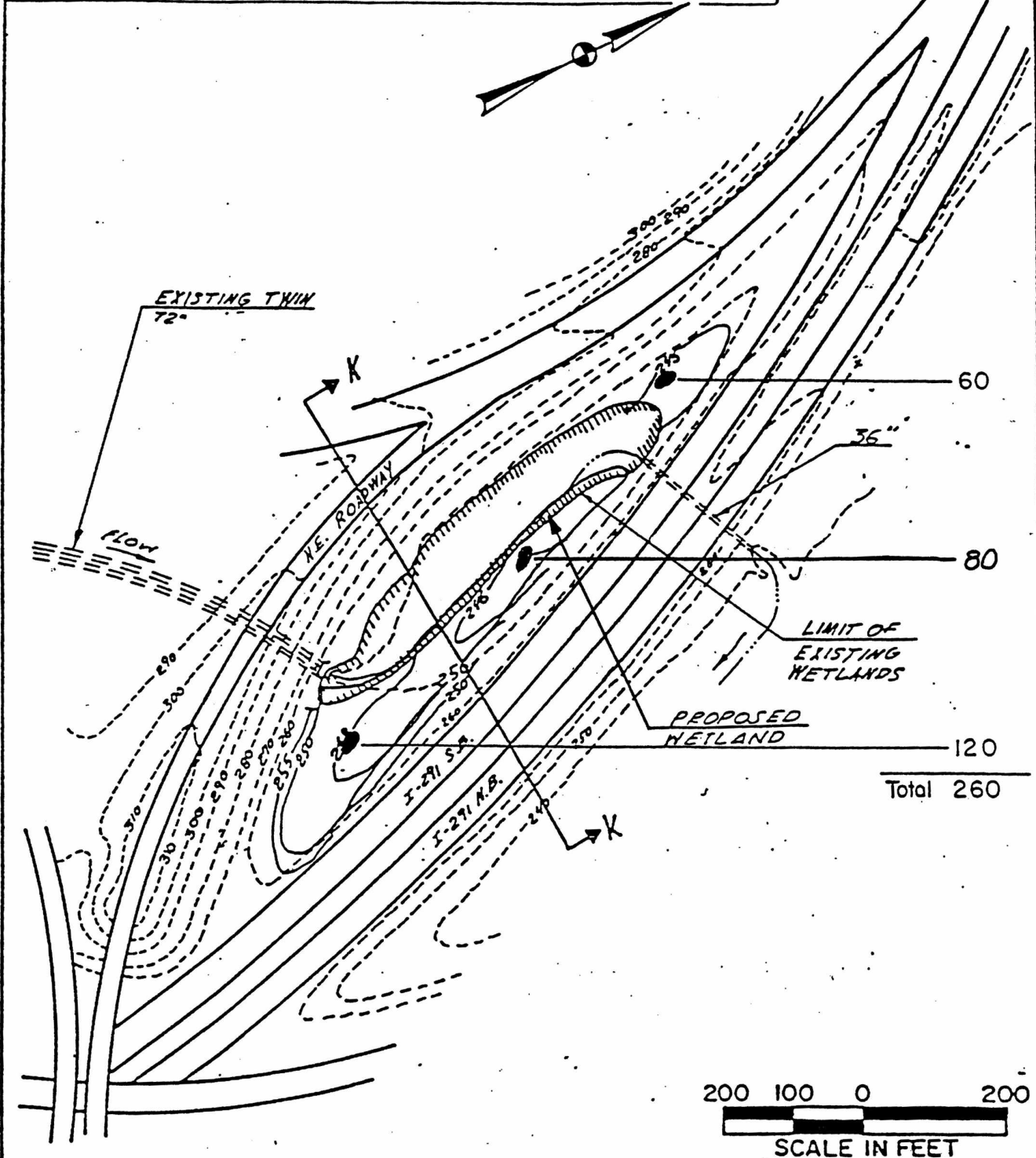
The invasive species, especially in site 6HE, are of special concern because they threaten to destroy the pockets of diversity that remain in that part of the site. Site 6HW has less of an invasive species problem, but a strong stand of *Phragmites australis* does exist there as well. Some of the shrubs that were planted during the creation of the wetland were not observed, including spicebush, highbush blueberry, and arrowwood.



CONNECTICUT D.O.T.
 STATE PROJECT NO. 88-105
 CONSTRUCTION OF ROUTE 9
 NEWINGTON-NEW BRITAIN-FARMINGTON

SITE: 6F
 PLATE 23 OF 29
 DATE: FEBRUARY, 1988

BOTANICAL NAME	COMMON NAME	SIZE	QUAN	SPACING
Typha spp.	Cattail	Rhizomes or roots	260	4' O.C.



CONNECTICUT D.O.T.
 STATE PROJECT NO. 88-105
 CONSTRUCTION OF ROUTE 9
 NEWINGTON-NEW BRITAIN-FARMINGTON

SITE: 6H
 PLANTING PLATE 11 OF 12
 DATE: FEBRUARY, 1988

Wetland Function-Value Evaluation Form

Total area of wetland 5.1 ac Human made? yes Is wetland part of a wildlife corridor? _____ or a "habitat island"? yes

Adjacent land use right of way roadway Distance to nearest roadway or other development 50 feet

Dominant wetland systems present PSS Contiguous undeveloped buffer zone present yes

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

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

Central CT Expressway
Wetland I.D. 198601485













Latitude N43.01084 Longitude W71.01607

Prepared by: Wright Date 7/1/02

Wetland Impact:
Type _____ Area _____

Evaluation based on:
Office _____ Field X

Corps manual wetland delineation
completed? Y X N _____

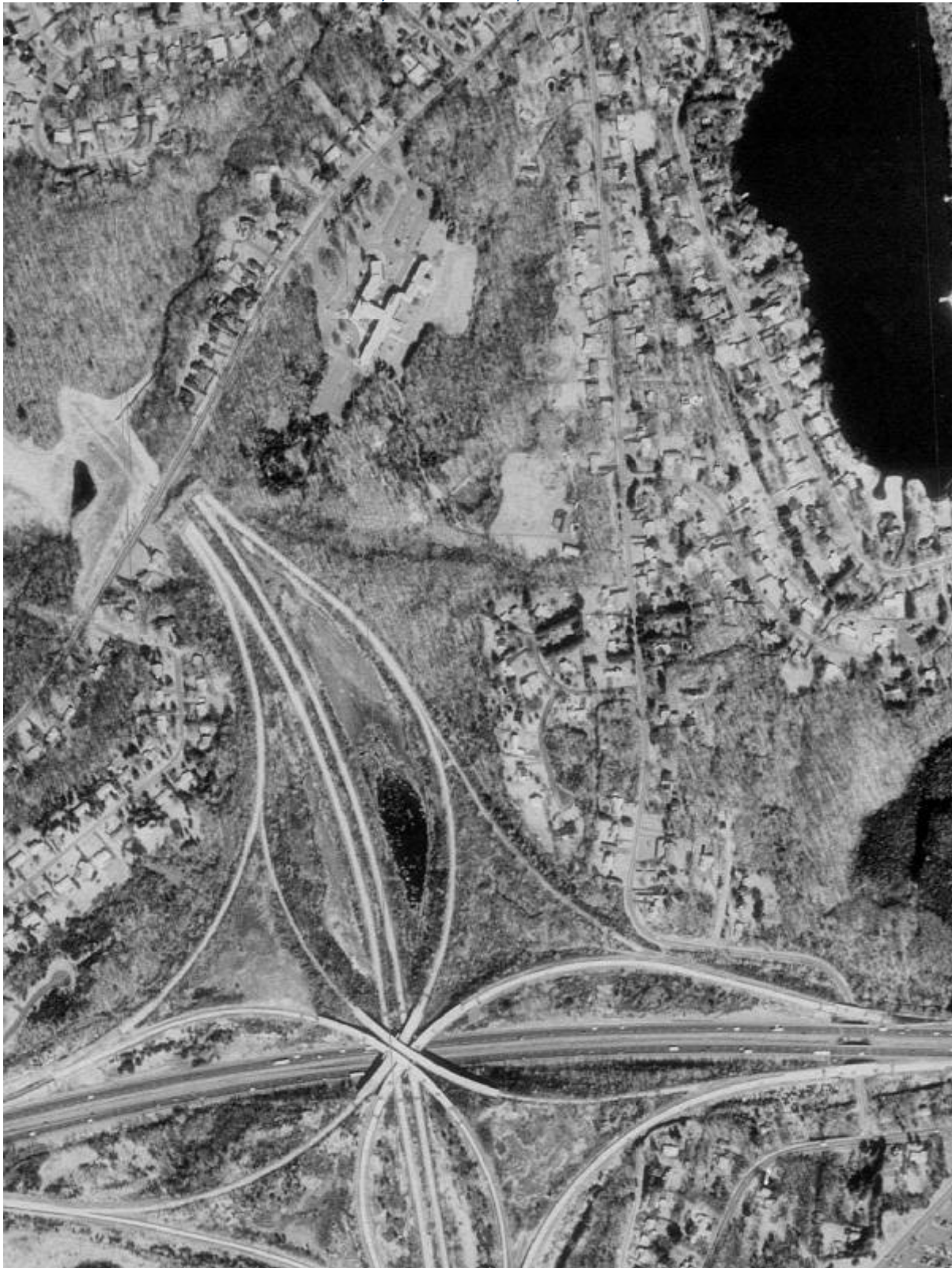
Function/Value	Suitability Y N		Rationale (Reference #)*	Principal Function(s)/Value(s)	Comments
 Groundwater Recharge/Discharge		X			
 Floodflow Alteration	X		6,7,8,9,10,18		
 Fish and Shellfish Habitat		X			
 Sediment/Toxicant Retention	X		5,11,13,14		
 Nutrient Removal	X		2,3,5,7,8,12,13,14,15	X	
 Production Export		X			
 Sediment/Shoreline Stabilization		X			
 Wildlife Habitat		X			
 Recreation		X			
 Educational/Scientific Value		X			
 Uniqueness/Heritage		X			
 Visual Quality/Aesthetics		X			
ES Endangered Species Habitat		X			
Other					

Notes:

* Refer to backup list of numbered considerations.

198601485
CTDOT Central Connecticut Expressway
Newington, CT
7/1/02

Photographs were never taken of the sites due to problems with the camera.



0 100 200M

0 100 200yd

Image courtesy of the U.S. Geological Survey
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