

Robertson Airport

File No.: 198700124

City and State: Plainville, CT

General Impacts: 3.6 acres emergent marsh and scrub-shrub

Functions and Values Lost:

- Wildlife Habitat
- Aesthetics
- Floodflow Alteration
- Sediment Retention

Year(s) Mitigation Constructed: October 1987

Size and Type of Mitigation as Proposed:

- 1.52 acres non-tidal open water
- 0.72 acre non-tidal forested
- 0.63 acre non-tidal emergent
- 1.28 acres non-tidal scrub-shrub

Proposed Functions and Values of Mitigation: Unable to tell from file.

Mitigation Special Condition(s):

4. The applicant shall create 3.8 acres of scrub-shrub and emergent marsh wetlands in accordance with the permit plans and project construction schedule. The wetland creation area shall be hydrologically connected to the adjacent natural wetlands via 2 bridged connections to allow for wildlife passage between the 2 areas.

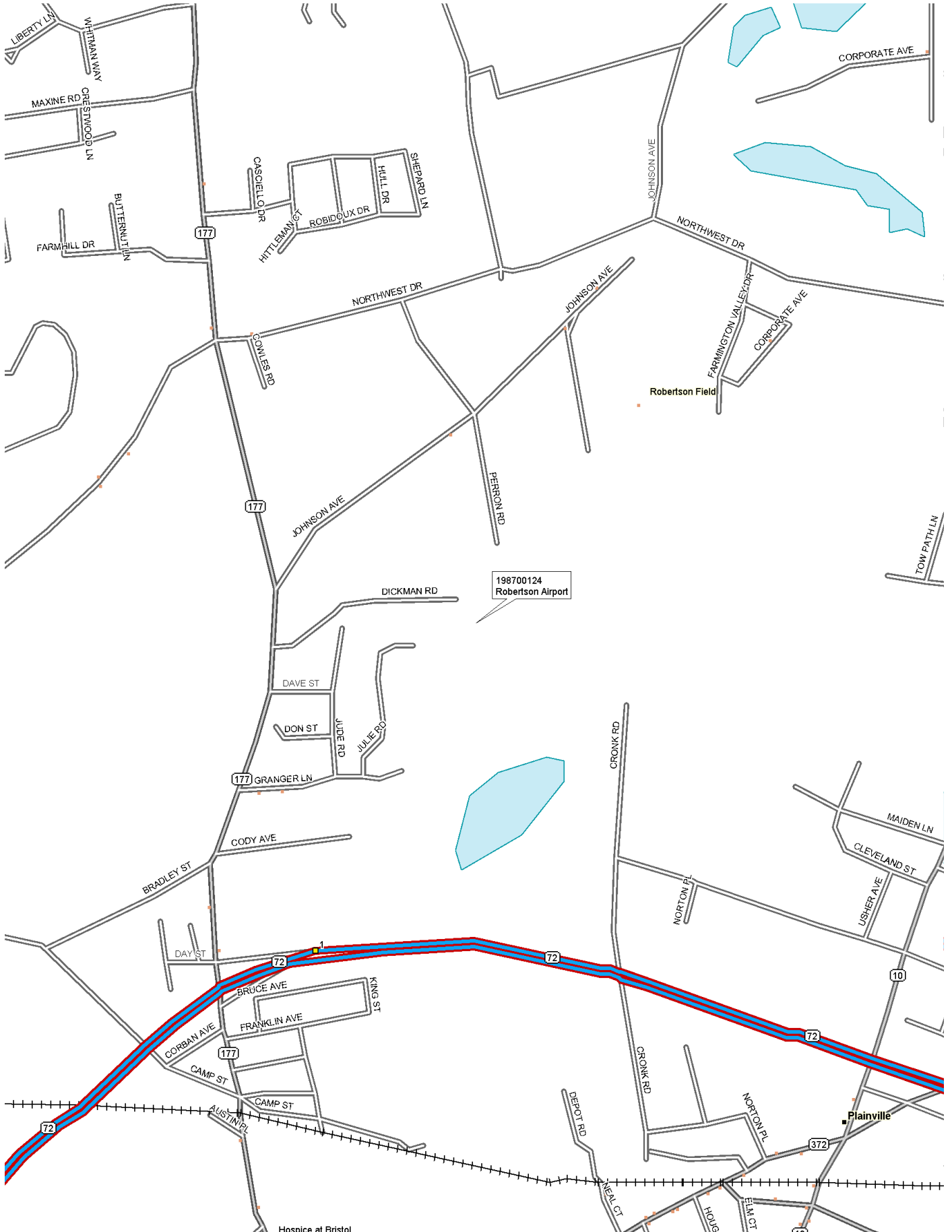
8. If the applicant is successful in attaining the adjacent Carling Switch property, an additional 0.5 acre of mitigation wetlands shall be created to increase the total creation area from 3.8 to 4.3 acres.

Remarks:

None

Directions:

Take 128/95 south to exit 25, I-90 towards Framingham/New York. Take exit 9, I-84/US-20 towards Hartford/New York. Take exit 33, CT-72 west towards Bristol/Plainville going towards North Washington/CT-177. Turn right onto North Washington Street. Follow onto Unionville Avenue. Bear right onto Johnson Avenue, then right onto Perron Road.



MITIGATION SITE FIELD DATA FORM

Site Name: Robertson Airport File No. 198700124

City/Town: Plainville State: CT Waterbody:

Monitor(s): Keith Wright Date: 8-23-02

Was site constructed? yes

Is site wetland? yes

Size of proposed wetland: 3.8 acres

Actual size of wetland: approximately same

Lat/Long Points: 41.68494N 72.86990

Saved GPS Waypoint name: ROB

GPS Tracking Log Name: N/A

Perimeter: TBD

Surrounding land use:

Nature preserve, which is bordered by a natural wetland, suburban homes, and an airfield.

Is wetland function compromised by surrounding land use?

A chain link fence surrounding the site limits wildlife mobility into and out of site, but also limits unwanted vehicular and pedestrian traffic.

Plant health:

Good, with the exception of several dead members of *Betula populifolia* on the south side of the southern basin.

Invasive species:

Elaeagnus sp., *Lythrum salicaria*, *Phragmites australis*

Wildlife use:

Beaver chew, great blue heron, skunk, goldfinch, deer scat, frogs

Plants:

Southern basin:

Cephalanthus occidentalis
Cyperus strigosus
Impatiens capensis
Lemna spp.
Lythrum salicaria
Nuphar lutea
Onoclea sensibilis
Phalaris arundinacea
Polygonum arifolium
Pontederia cordata
Scirpus cyperinus
Typha latifolia
Verbena hastata

Upland bank:

Acer rubrum
Betula papyrifera
Catalpa sp.
Cornus alterniflora
Elaeagnus sp.
Pinus strobus
Rhus typhina

Northern basin:

Acer rubrum
Carex sp. (ovales)
Carex vulpinoidea
Cephalanthus occidentalis
Eleocharis sp.
Juncus effusus
Lythrum salicaria
Mentha arvensis
Onoclea sensibilis
Phalaris arundinacea
Phragmites australis
Polygonum arifolium

Sagittaria latifolia
Scirpus cyperinus
Spiraea latifolia
Thuja occidentalis

Bank:
Alnus rugosa
Betula populifolia
Catalpa sp.
Prunus serotina

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 is located in the Tomasso Nature Preserve, accessible by gate (park in the municipal buildings area). It consists of two ponds that have a wetland fringe. The southern basin is mostly bordered by overhanging branches or bushes. Steep banks lead down to a mucky shoreline; muck is deeper than one foot. The Northern basin also has steep banks and there is some erosion on the northern slope. Due to topography there is a better mix of wetland types in this basin. Interpretive signs detail some of the wildlife and plants. There is a sign indicating the presence of fish.

Comments, problems, recommendations:

There may be more water on these sites than was planned for. The wetland type is supposed to be PEM and PSS but there is a significant amount of open water with no vegetation emerging from it.

A large clump of *Phragmites australis* and several small patches of *Lythrum salicaria* are on site and should be removed.

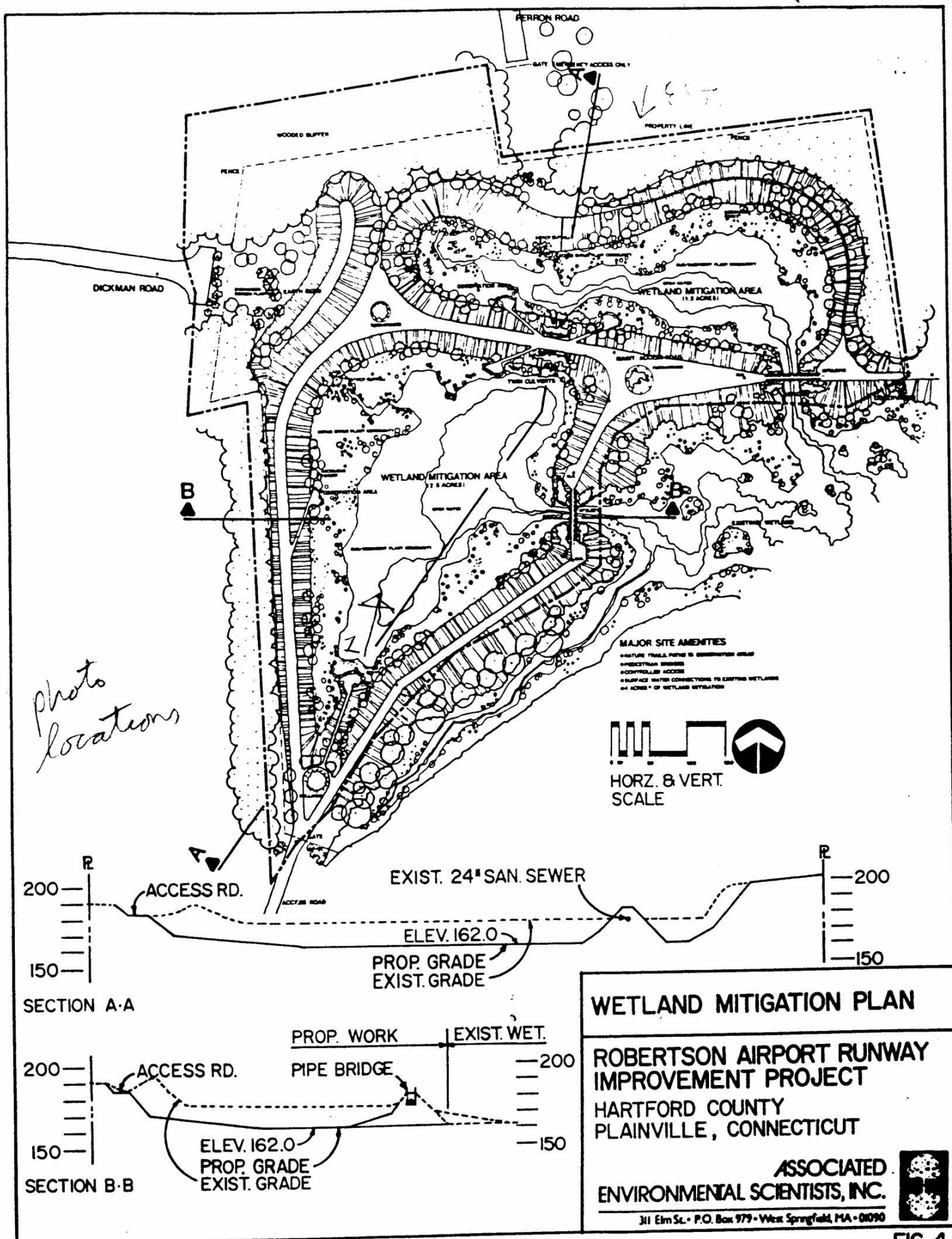


FIG. 4

Wetland Function-Value Evaluation Form

Total area of wetland 3.8 ac Human made? yes Is wetland part of a wildlife corridor? no or a "habitat island"? no

Adjacent land use residential, air field Distance to nearest roadway or other development 10 feet

Dominant wetland systems present POW, PEM, PSS Contiguous undeveloped buffer zone present 10%

Is the wetland a separate hydraulic system? no If not, where does the wetland lie in the drainage basin? mid

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

Robertson Airport

Wetland I.D. 198700124













Latitude N41.68494 Longitude W72.86990

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			insufficient information
 Floodflow Alteration		X			unlikely
 Fish and Shellfish Habitat	X				potential
 Sediment/Toxicant Retention	X				minimal
 Nutrient Removal		X			
 Production Export		X			
 Sediment/Shoreline Stabilization		X			
 Wildlife Habitat	X				evidence of beavers, great blue heron, skunk, deer, frogs, some birds
 Recreation	X			X	site in nature preserve with paths
 Educational/Scientific Value		X			
 Uniqueness/Heritage		X			
 Visual Quality/Aesthetics	X				limited
ES Endangered Species Habitat		X			none known
Other					

Notes:

* Refer to backup list of numbered considerations.

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Southern basin panorama. Site is just to the banks of the ponded area.



Northern basin



0 100M

0 100yd

Image courtesy of the U.S. Geological Survey
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