

# David F. Cash

**File No.:** 199701040

**City and State:** North Attleboro, MA

**General Impacts:** 0.57 acre

**Functions and Values Lost:** (From EA/SOF)

- Groundwater Discharge
- Floodflow Alteration
- Toxicant Retention
- Wildlife Habitat (Diversity/Abundance)

**Year(s) Mitigation Constructed:** October 1999

**Size and Type of Mitigation as Proposed:**

- 0.43 acre creation
- 1.58 acres preservation

**Proposed Functions and Values of Mitigation:**

- Floodflow Alteration
- Groundwater
- Nutrient Removal
- Sediment/Toxicant Retention
- Wildlife Habitat

**Mitigation Special Condition(s):**

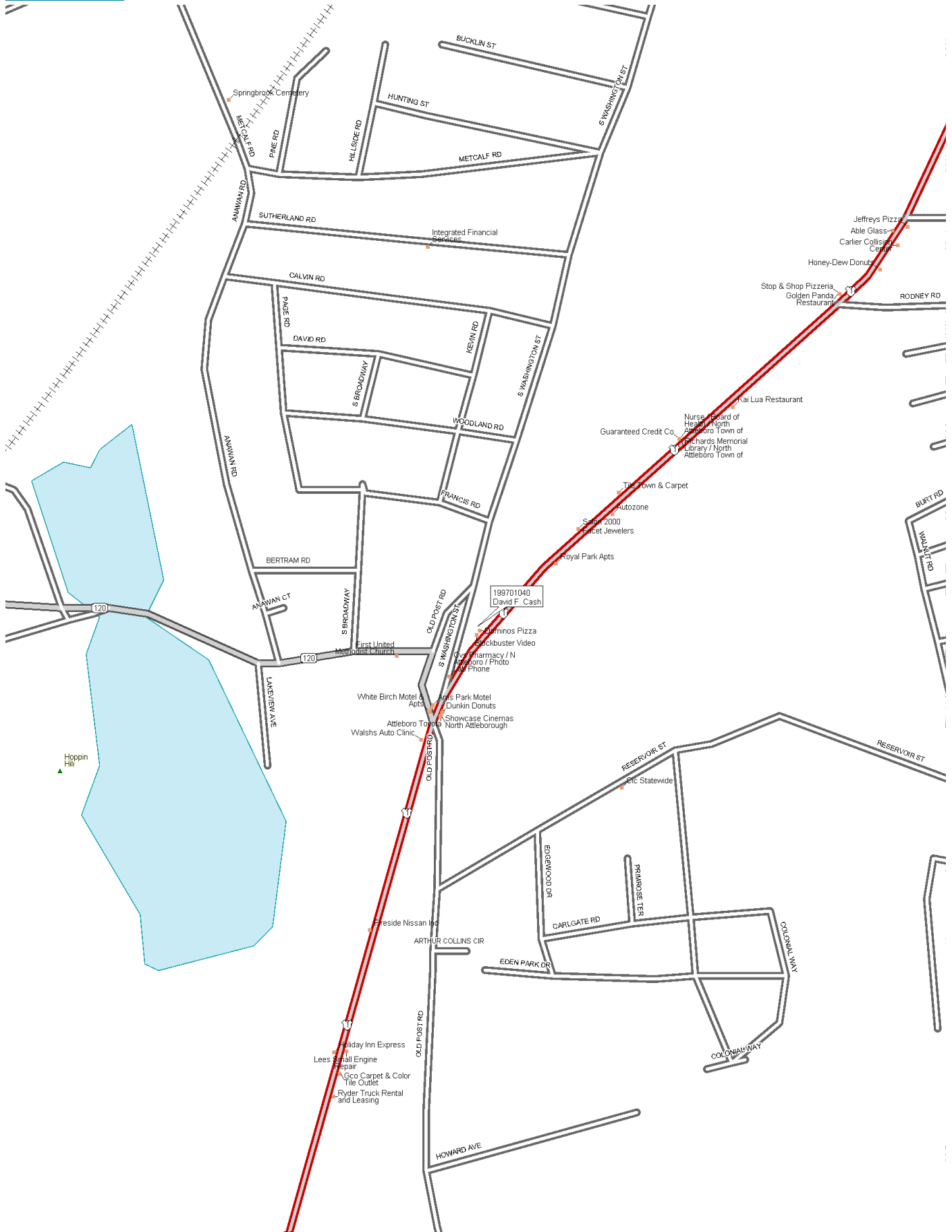
2a. Permittee shall implement the grading and planting plan set forth on the plan entitled "Proposed Wetland Replication Plan in North Attleborough, Massachusetts" dated "March 12, 1998" in 1 sheet. This work shall be completed no later than the substantial completion of the development work at the site.

**Remarks:**

None

**Directions:**

Take I-95 south to the exit for Route 1 in Attleboro. Go north. When the road forks and Route 1 bears right, follow Route 1 but the site is just after a small strip mall on the left. Park there or at the Domino's Pizza which is immediately adjacent to one of the creation sites.









## MITIGATION SITE FIELD DATA FORM

Site Name: David Cash File No. : 199701040

City/Town: North Attleboro State: MA Waterbody: \_\_\_\_\_

Monitor(s): McKee, Wright Date: 6-20-02

Was site constructed?      yes

Is site wetland?      yes

Size of proposed wetland: 0.43 acre

Actual size of wetland: app. 0.43 acre

Landscape position: 2 depressions surrounded  
by steep to moderate inclines

Lat/Long Points: Site A N41.96885  
W071.33749  
Site C N41.96867 W071.33690

Saved GPS Waypoint name: DCASH (site C)  
CASHA (Site A)

GPS Tracking Log Name: TBD

Perimeter: TBD

Surrounding land use:  
Residential, industrial park

Is wetland function compromised by  
surrounding land use?  
Both sites may experience runoff from lawns or  
parking lots and are easily accessible by people,  
which may impact wildlife.

Plant Health:  
Good

Invasive Species:  
Site A: none  
Site C: *Lythrum salicaria* (trace)

Wildlife Use:  
Site A: bullfrog, green frog, Site C: bullfrog,  
green frog, red-winged blackbird, report of  
snapping turtle

### Plants:

#### Site A:

*Acer rubrum*  
*Alisma triviale*  
*Bidens* sp.  
*Carex lurida*  
*Carex* sp.  
*Carex* sp. (ovales)  
*Eleocharis* sp.  
*Galium* sp.  
*Impatiens capensis*  
*Juncus effusus*  
*Lemna* sp.  
*Lythrum salicaria*  
*Phalaris arundinacea*  
*Poaceae* spp.  
*Polygonum arifolium*  
*Salix* sp.  
*Salix discolor*  
*Sambucus canadensis*  
*Typha latifolia*

#### Site C:

*Acer rubrum*  
*Alisma* sp.  
*Betula populifolia*  
*Bidens* sp.  
*Carex* sp. (ovales)  
*Carex lurida*  
*Impatiens capensis*  
*Iris* sp.  
*Juncus effusus*  
*Lemna* sp.

*Lythrum salicaria*  
Poaceae sp.  
*Rubus* sp.  
*Sambucus canadensis*

*Typha latifolia*  
*Ulmus americana*  
*Vitis* sp.

### Soils Data:

#### Site A

DEPTH	HORIZON	MATRIX	REDOX	COMMENTS
0 - 1"	A	5Y 2.5/2	none	loamy medium sand
1+	B	10YR 3/2 dark grey brown	2.5YR 4/8 at 3.5", 25%, large	loamy, gravelly, medium sand, friable, sulfidic odor

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

Drawings are with field notes.

### Overall Description of site:

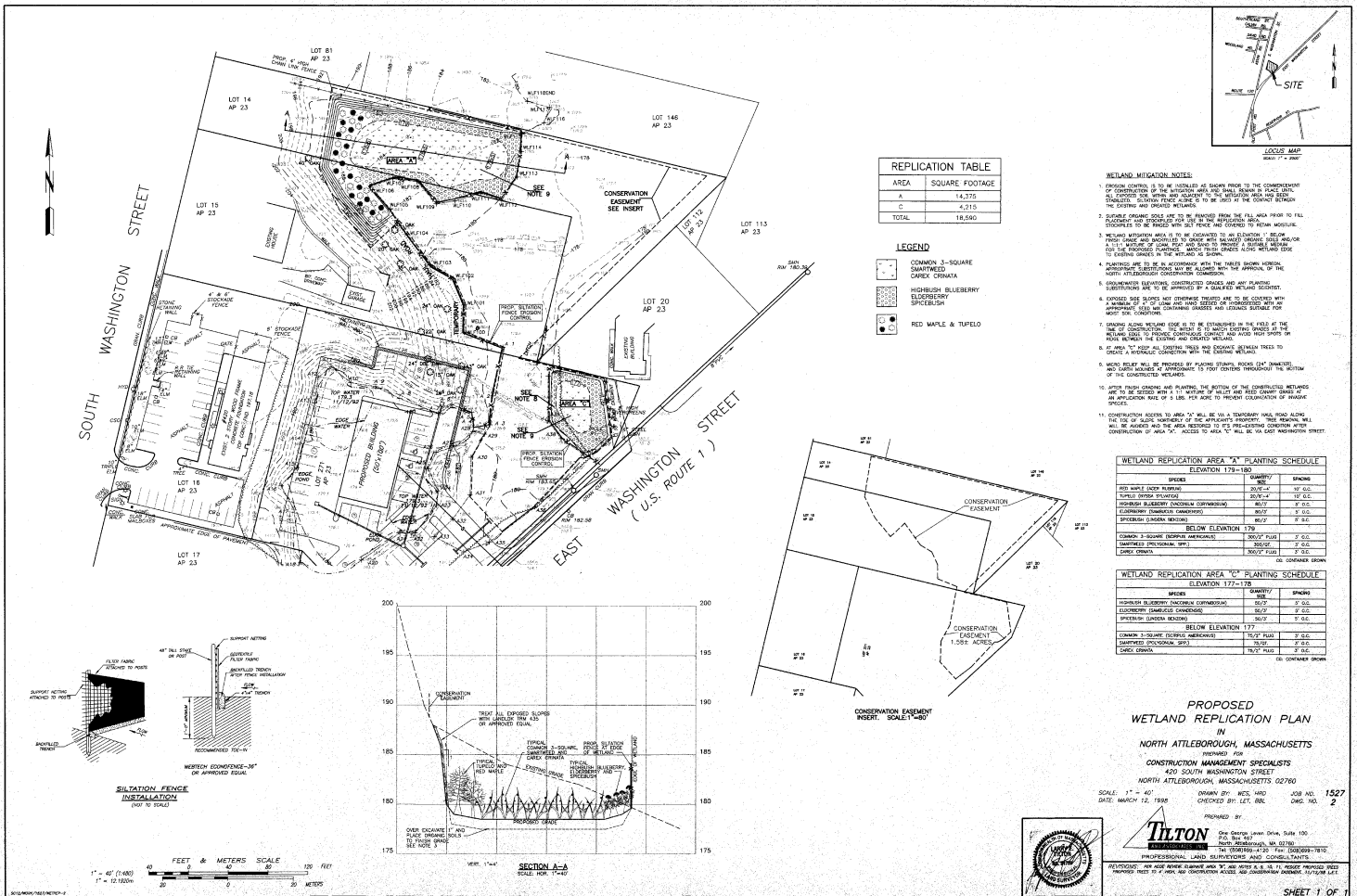
The site consists of two ponded areas that are separated by wooded upland. On the west side of Site A there is a forested wetland. Residential areas are to the north and commercial areas are to the south and east. Site C has residential to the north and west and swamp to the east and south. Site C was too wet to get a decent soil sample; it is basically a pond surrounded by steep banks.

### Comments, problems, recommendations:

Water depths were not taken though it appears from the mitigation file that this might be a concern. Both sites had what seemed to be deep water.

Site A is the site farthest away from Route 1.

Site C is the site nearest Route 1.



REPLICATION TABLE	
AREA	SQUARE FOOTAGE
A	14,375
B	4,215
TOTAL	18,590

#### LEGEND

- COMMON 3-SQUARE  
SHAWNEE  
CARPUS CRISTATA
- HIGHBUSH BLUEBERRY  
BLOOMING  
SPICEBUSH
- RED MAPLE & TUPELO

#### WETLAND MITIGATION NOTES:

- WETLAND MITIGATION IS TO BE INSTALLED AS SOON AS POSSIBLE TO THE COMPLETION OF THE CONSTRUCTION OF THE WETLAND MITIGATION AREA. THE WETLAND MITIGATION AREA SHALL BE INSTALLED WITHIN THE WETLAND MITIGATION AREA. THE WETLAND MITIGATION AREA SHALL BE INSTALLED WITHIN THE WETLAND MITIGATION AREA.
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WETLAND REPLICATION AREA "A" PLANTING SCHEDULE		
ELEVATION 178-180		
SPACING	QUANTITY	SPACING
RED MAPLE (LARGE PLANTS)	200' x 4'	10' O.C.
TUPELO (LARGE PLANTS)	200' x 4'	10' O.C.
COMMON 3-SQUARE (COMMON PLANTS)	200' x 4'	5' O.C.
SHAWNEE (COMMON PLANTS)	200' x 4'	5' O.C.
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SHAWNEE (COMMON PLANTS)	200' x 4'	5' O.C.
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SHAWNEE (COMMON PLANTS)	200' x 4'	5' O.C.
COMMON 3-SQUARE (COMMON PLANTS)	200' x 4'	5' O.C.
SHAWNEE (COMMON PLANTS)	200' x 4'	5' O.C.

WETLAND REPLICATION AREA "B" PLANTING SCHEDULE		
ELEVATION 177-178		
SPACING	QUANTITY	SPACING
COMMON 3-SQUARE (COMMON PLANTS)	200' x 4'	5' O.C.
SHAWNEE (COMMON PLANTS)	200' x 4'	5' O.C.
COMMON 3-SQUARE (COMMON PLANTS)	200' x 4'	5' O.C.
SHAWNEE (COMMON PLANTS)	200' x 4'	5' O.C.
COMMON 3-SQUARE (COMMON PLANTS)	200' x 4'	5' O.C.
SHAWNEE (COMMON PLANTS)	200' x 4'	5' O.C.
COMMON 3-SQUARE (COMMON PLANTS)	200' x 4'	5' O.C.
SHAWNEE (COMMON PLANTS)	200' x 4'	5' O.C.
COMMON 3-SQUARE (COMMON PLANTS)	200' x 4'	5' O.C.
SHAWNEE (COMMON PLANTS)	200' x 4'	5' O.C.

#### PROPOSED WETLAND REPLICATION PLAN

NORTH ATTLEBOROUGH, MASSACHUSETTS  
CONSTRUCTION MANAGEMENT SPECIALISTS  
400 SOUTH WASHINGTON STREET  
NORTH ATTLEBOROUGH, MASSACHUSETTS 02760

SCALE: 1" = 40'  
DATE: MARCH 12, 1998  
DRAWN BY: MCS, INC.  
CHECKED BY: L.T. BUL  
JOB NO.: 1527  
SHEET NO.: 2



PREPARED BY:  
TILTON  
PROFESSIONAL LAND SURVEYORS AND CONSULTANTS, INC.  
400 SOUTH WASHINGTON STREET  
NORTH ATTLEBOROUGH, MASSACHUSETTS 02760  
TEL: (508) 845-1111  
FAX: (508) 845-1112  
WWW.TILTON-MASS.COM

# Wetland Function-Value Evaluation Form

Total area of wetland ~0.43 ac Human made? yes Is wetland part of a wildlife corridor? no or a "habitat island"? yes

Adjacent land use residential, industrial park Distance to nearest roadway or other development 10 feet

Dominant wetland systems present PEM, POW Contiguous undeveloped buffer zone present 30% but only about 100 feet wide

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. David Cash 199701040

Latitude N41.96885 Longitude W71.33749

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			it is likely that both recharge and discharge occur
 Floodflow Alteration		X		
 Fish and Shellfish Habitat		X		too small and too shallow
 Sediment/Toxicant Retention	X		X	minimal
 Nutrient Removal		X		
 Production Export		X		
 Sediment/Shoreline Stabilization		X		
 Wildlife Habitat	X		X	adjacent to forested wetland system but limited by size and proximity to development
 Recreation		X		
 Educational/Scientific Value		X		
 Uniqueness/Heritage		X		
 Visual Quality/Aesthetics		X		
<b>ES</b> Endangered Species Habitat		X		none known
Other				

Notes:

\* Refer to backup list of numbered considerations.



199701040  
David Cash  
N. Attleboro, MA  
6/20/02



Area A from south side



Area A erosion on northeast edge. Note steepness of slope.





Area A vegetation plot from west end looking east



Area C facing southwest with Route 1 in the background.  
Domino's Pizza is off the photo to the left.





0 100 200M

0 100 200yd

Image courtesy of the U.S. Geological Survey  
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