

ENFIELD INLAND WETLAND & WATERCOURSES AGENCY

TUESDAY, JULY 06, 2010

*****REGULAR MEETING @ 7:00 PM*****

*****PUBLIC HEARING to follow (if applicable)*****

*****ENFIELD ROOM*****

**ENFIELD TOWN HALL
820 ENFIELD STREET
ENFIELD, CT**

INFORMATION PACKET

Amended AGENDA

MEETING OF THE
ENFIELD INLAND WETLANDS AND WATERCOURSES AGENCY
TUESDAY, JULY 6, 2010 – **7:30 pm**
REGULAR MEETING

*******Enfield Room*******

***** ENFIELD TOWN HALL *****
*** 820 ENFIELD STREET***
** ENFIELD, CT 06082 **

REGULAR MEETING

1. Call to Order
2. Roll Call
3. Pledge of Allegiance
4. Public Hearing
5. Public Participation - Issues of concern not on the agenda
6. Correspondence
 - a. Monitoring Reports June 18, 22 and 25 Post Office /Town Farm Rd
 - b. Journal Inquirer Article Dated 6/22/10
7. Commissioner's Correspondence
 - a. Site Visit Updates
8. Approval of Minutes –June 15, 2010
9. Old Business
10. New Business
 - a. **XIW-10-12 – Town of Enfield** – A permit has been request for The Road 2005 Program Section 1D-1.This project is to provide roadway and drainage improvements to Lafayette Road, Hartford Avenue and Alden Avenue within the regulated area. Submitted 06/14/10, received 06/15/10, PPE 06/30/10, **MAD 08/19/10.**

11. New Applications to be Received
 - a. **IW538** – Permit for activities within a regulated area associated with new building construction and related site activities at 175 Freshwater Blvd., Eppendorf Real Estate Corp, applicant/owner. Submitted 06/30/10, received 07/06/10, PPE 07/20/10, **MAD 09/04/10**.
 - b. Applications to be received after Town deadline for Agenda.
12. Other Business
 - a. Bond Release
 - b. IWWA Fines Ordinance
 - c. IWWA Fee Schedules
 - d. IWWA Regulation Revisions
 - e. **Next regular meeting is Tuesday July 20, 2010 at 7:00PM in the Council Chambers.**
13. Adjourn

Acronym Key for Dates:

Submitted	= Day it was Logged in by the Appropriate Town Office.
Rec'ed	= Received (Date of First Regular Meeting after the day of submission or 35 days, which ever is sooner)
PPE	= Petition Period Ends (14 Days from Receipt)
MAD	= Mandatory Action Date (65 Days from Receipt)
EMAD	= Extended Mandatory Action Date (Any combination up to 65 days from original MAD)
MPHCD	= Mandatory Public Hearing Closing Date (35 Days from opening of the public hearing)
EMPHCD	= Extended Mandatory Public Hearing Closing Date (Any combination up to 65 Days from first MPHCD)
MPHAD	= Mandatory Public Hearing Action Date (35 Days after close of the public hearing)
EMPHAD	= Extended Mandatory Public Hearing Action Date (Any combination up to 65 Days from first MPHAD)

*Applicant can consent to extend the time frame for any of the steps but the total of all extensions together cannot exceed 65 days

CORRESPONDENCE

TOWN OF ENFIELD
Department of Public Works
INLANDS WETLAND APPROVAL#IW-533
Post Office Rd/Town Farm Rd Reconstruction

PROJECT SITE ENVIRONMENTAL INSPECTION REPORT
(to be completed weekly-storm events greater than 0.5" are documented)

Project No. 48-186 Date of Report (End of Week): June 18, 2010
Location Post Office Rd/Town Farm Rd
Chief Insp. Robert O'Connor URS CORP Phone 203-395-8096
Prime Contractor Spazzarini Construction

Date	Comments and/or Deficiencies Observed	Precip. Type	Quantity (inches.)	Date Notified	Recommended Correction	Date Corrected
06/07/10	Previous item: Remove sediment buildup at listed locations from front of sediment fencing:Sta 43+25R(tighten up corner section),Sta 44+50L and 45+50L,Sta 40+00R to 40+50R.(see attached photos)	rain	n/a	06/07/10	Remove sediment from front of fence and address condition/status of fence.	6/08/2010 to 6/17/2010
06/07/10	Previous item: Temporary Special Rip Rap Stone Check Dams are needed at locations listed to control waterflow :Sta 46+00R -47+00R(roadway and slope runoff), Sta 42+25L (at existing ditch),44+10L (at existing ditch)	rain	n/a	06/07/10	Install check dams as detailed on Plan Sheet MDS-1 Sheet 12.	6/08/2010 to 6/17/2010
06/12/10-06/13/10	Clean sediment at erosion control fence at 38+00 to 38+50Left	rain	1.4" combined	06/14/10	Contractor removed sediment as needed	06/14/10
06/16/10	Review of site conducted with Katie Bednaz, Town of Enfield Wetlands Agent, to discuss addition of environmental controls. Contractor is currently installing additional controls as directed.(additional report/photos to follow upon completion of the work.)	n/a	n/a	n/a	n/a	n/a

Type of Precipitation: rain Total Quantity: 0.8" 06/12/10
Type of Precipitation: rain Total Quantity: 0.6" 06/13/10

Chris Karpeichik

Report prepared by

Reviewed By

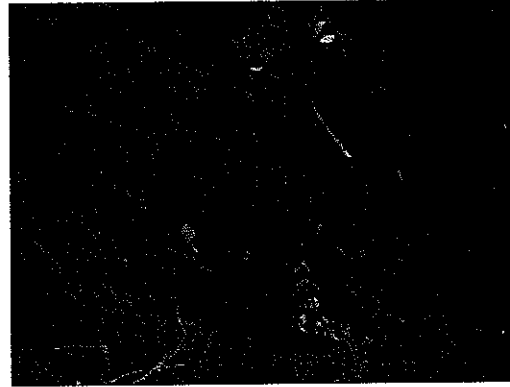
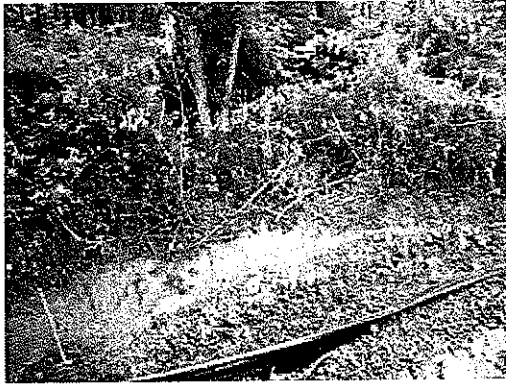
Attachments-Photos

TOWN OF ENFIELD
POST OFFICE/TOWN FARM RD PROJECT
PROJECT#48-186 IW-533
ENVIRONMENTAL REPORT
06/22/2010

On 6/21/10, Contractor's work resulted in breakage of water main at Station +/- 36+00 right. Water flow from this breakage caused the damage listed below:

- 1. Station 37+00 right, Sediment fence was overrun depositing sediment beyond fence. (Affected area is approx. 20' X 30').**
- 2. Station 44+00 right, Sediment fence knocked down adjacent to hydrant/valve. (blow-off area due to repair activity)**
- 3. Station 43+10 right to Station 44+00 right, Sediment deposited outside of fence. (blow-off area due to repair activity)**
- 4. Station 43+10 right, Sediment fence needs to be repaired at two locations directly adjacent to Scantic River. (blow-off area due to repair activity)**

Spazzarini Construction is correcting the above mentioned items on behalf of Hazardville Water Co.



Item 1 Station 37+00 right(ABOVE)

ITEM #2 AND #3 (BELOW)





**ITEM #4 STATION 43+10 RIGHT-FENCE REBURY/REPAIR
NEEDED(ABOVE)**

TOWN OF ENFIELD
Department of Public Works
INLANDS WETLAND APPROVAL#IW-533
Post Office Rd/Town Farm Rd Reconstruction

PROJECT SITE ENVIRONMENTAL INSPECTION REPORT
(to be completed weekly-storm events greater than 0.5" are documented)

Project No. 48-186 Date of Report (End of Week): June 25, 2010
Location Post Office Rd/Town Farm Rd
Chief Insp. Robert O'Connor URS CORP Phone 203-395-8096
Prime Contractor Spazzarini Construction

Date	Comments and/or Deficiencies Observed	Precip. Type	Quantity (inches.)	Date Notified	Recommended Correction	Date Corrected
06/23/10	Some erosion continues at fence line at temporary access rd sta 46+00r to 47+00R.	rain	0.93" combined 6/22- 6/23	06/23/10	Construct rip rap berm/check dam along construction side of sed fence to slow storm flow. Construct temporary track pad/berm at end of access rd to keep flow on street and not exit at access rd.	06/24/10
06/24/10	Minor area of erosion off roadway at Station 40+75L.	rain	0.35"	06/24/10	n/a	n/a

Type of Precipitation: rain Total Quantity: 1" 06/04/10 to
Type of Precipitation: rain Total Quantity: 1" 06/04/10 to

Chris Karpeichik
Report prepared by

Reviewed By

Attachments-Photos

812-0055

BUYING
GOLD & SILVER
(Including sterling silver, flatware)
 Old Coins & Estates Wanted!
Highest Prices Paid
PLUS ANTIQUES
"Anything Old"

- Antique Paintings
- Antique Advertising
- (New and Used) Guns
- Old Fishing Tackle
- Old Furniture

Olde Tavern Antiques
860-749-GOLD
 VISIT OUR NEW LOCATION 4 6 5 3
 48 South Rd. (Rte. 83), Somers, CT

EAST CATHOLIC HIGH SCHOOL
BINGO NIGHT
IN THE CAFETERIA
Wednesday, June 23rd
 Food & Beverage will be available
 Doors open at 5:30 Bingo begins at 7:00 p.m.
GAMES FEATURE A 50/50 BONANZA • \$2 Admission
 115 NEW STATE ROAD, MANCHESTER, CT 06042
 (860) 649-5336 EXT. 234

date to qualify so far. He has received nearly \$2.2 million in public financing — a basic grant of \$1.25 million and supplemental funds to match the spending of his primary opponent, Edward "Ned" Lamont of Greenwich.

The voluntary Citizens Election Program provides gubernatorial candidates grants of \$1.25 million for a primary and \$3 million for a

Lawmakers reverse Rel's vetoes of DOT, wetlands legislation

■ **VERRIDE**
 CONTINUED FROM PAGE 13

Proponents say the law brings Connecticut in line with 45 other states. It creates the two-tiered system and establishes licensing and continuing education requirements.

It creates a new classification of "master social worker." Licensed master social workers, unlike licensed clinical social workers,

celebrated the milestone he was about to reach. "We are less than \$12,000 away from qualifying. This moment is history. This is amazing," Malloy said in an e-mail on April 29. "Be a part of history with us."

Realizing that many Republicans are cool to the program, Fedele's hook was a promise to veto any tax increase. "But in order to take my

will be able to practice clinical social work without supervision only until 2013; after that they must become clinical social workers to practice independently.

• Address the state's transportation plan. Among other things, the legislation makes changes to the factors the Department of Transportation must consider as it assess-

Fedele said he didn't know how much money he needed to hit \$250,000. The last public view of his finances came in April, when he reported, having raised \$122,000 through the end of March.

The State Elections Enforcement Commission's deadline for filing his application is 5 p.m. on July 16. The commission requires a week to

es the state's transportation facilities and services.

• Require those receiving documents such as wetlands regulated activity permits and dredging permits to file copies of those documents in the land records of the municipality in which the property is located.

The law also allows exemptions

Fedele said he can be read make those same moves as soon he qualifies. "You don't have money to plan," he said. "You have money to execute."

This story originally appeared in CT Mirror.org, the Internet site of The Connecticut Mirror, an independent, nonprofit news organization covering government, politics and public policy in the state.

Man claims order's founder sired, molested his

his long absences from the family by saying he was a CIA agent and oil executive.

Despite the power the Legionaries of Christ once held with Vatican officials, the Holy See recently concluded that Maciel, the order's founder, led a life that was "devoid of any scruples" and included molesting young boys.

Gonzalez's suit, filed in Connecticut courts, said the abuse began

CROSSWORD

362 LAVIN & GARDEN
 FLOWERS THINNING GARDEN

370 MEDICAL EQUIPMENT
 HOVER LIFT will move 450lb

378 PETS & SUPPLIES
 JOURNAL INQUIRY PETS & SUPPLIES

382 PETS & SUPPLIES
 PET BOARDING

JUNE 23, 2010 13

6/22/10 JJ Pg. 14

**COMMISSIONER'S
CORRESPONDENCE**

APPROVAL OF MINUTES

June 15, 2010

Inland Wetlands and Watercourses Meeting
INLAND WETLANDS AND WATERCOURSES AGENCY
MINUTES OF A REGULAR MEETING
TUESDAY, June 15, 2010

A Regular Meeting of the Enfield Inland Wetlands and Watercourses Agency was held on Tuesday, June 15, 2010 in the Council Chambers, Enfield Town Hall, 820 Enfield Street, Enfield, Connecticut.

MEMBERS PRESENT: Douglas Maxellon, Chairman
Joseph Albert
Karen Camidge
Robert Lemay
Jo-Marie Nelson
Jennifer Serra, Alternate (7:24 p.m.)
Robie Staples (7:35 p.m.)
Patrick Szczesiul, Alternate (seated)

MEMBERS ABSENT: Maryann Abar, Alternate
Brian Peruta

ALSO PRESENT: Katie Bednaz, Wetlands Agent
Jose Giner, Town Planner
Susan Berube, Recording Secretary

REGULAR MEETING

1. Call to Order: The meeting was called to order by Chairman Douglas Maxellon at 7:00 p.m.

2. Roll Call: Present were: Chairman Maxellon and Agents Albert, Camidge, Lemay, Nelson, Serra (7:24 p.m.), Staples (7:35 p.m.), and Szczesiul.

Also present were: Jose Giner, Town Planner, Katie Bednaz, Wetlands Agent, and Susan Berube, Recording Secretary.

Agent Szczesiul was seated as a full voting member for this meeting.

3. Pledge of Allegiance: The Pledge of Allegiance was recited.

4. Executive Session
(Matters regarding specific employees, pending litigation, acquisition of real estate and / or matters exempt from disclosure requirements): None.

5. Public Hearing: None.

Chairman Maxellon asked if the IWWA is notified when utility work is being done.

Ms. Bednaz replied that the Town is notified only if the work is being done in a roadway. Usually, the Town is not notified if utility work is being done on private property.

Mr. Giner noted that the plaza owner should be notified that if utility work is going to be done, the Town should be notified.

He added that he believes that the Town, likely the DPW is notified when SNET has projects.

Chairman Maxellon asked if the Weymouth Road project should have an IWWA permit.

Mr. Giner replied that the contractor should come in whenever a project is within 100' of the wetlands.

Chairman Maxellon noted that the South Maple Street bridge project should begin soon and asked for 2 volunteer Agency members to regularly inspect the site.

Agents Lemay and Camidge agreed to do site inspections at South Maple Street bridge.

Chairman Maxellon reported that he will attend the Council of Chairs meeting to be held on June 16, 2010.

Agent Nelson noted that she will work with Agent Peruta in the very near future to review the PZC pamphlet.

10. Approval of Minutes -June 1, 2010: A motion was made by Agent Camidge and seconded by Agent Lemay to approve the minutes of the meeting of June 1, 2010 with the following amendment: all references to Agent "Sierra" be changed to "Serra". Vote was 4-0-2(Albert, Nelson). Agents Serra and Staples were not yet present to vote on this matter.

11. Wetlands Agent Report: Ms. Bednaz stated that she will have a project status list prepared and the updated regulations to date in the next packet. She will also include a cover sheet of open items within the regulations.

Ms. Bednaz noted that someone will need to keep the project status list up to date.

Chairman Maxellon stated that he had hoped that the Planning Office secretary would be able to do this. He also asked if the new software being

Agent Nelson stated that although she was not present at the last IWWA meeting, she has reviewed the tape and read the meeting minutes of that meeting and feels comfortable in voting on this application.

A motion was made by Agent Nelson and seconded by Camidge to approve IW 537 with the 17 standard conditions, in addition to those numbered 18 through 20 in the draft provided by Ms. Bednaz. Agent Albert stated that he also read the minutes and felt comfortable voting on this application. Vote was 7-0-0.

Reason for approval was that there will be minimal adverse environmental impact which will be mitigated by the use of sedimentation and erosion controls as set out in the application.

Agent Staples arrived at 7:35 p.m. Agent Serra was unseated as a voting member for the remainder of the meeting since Agent Staples is a regular member.

14. New Applications to be Received

a. **DPN-2010-08-06 - Catholic Cemeteries Association of the Archdiocese of Hartford, Inc.** - is requesting a determination of applicability for a proposed cemetery to be located at 110 North Street (Map 100, Lot 5). Submitted 6/8/10, received 6/15/10, PPE 6/29/10, **MAD 7/19/10**. Mr. Chris Gagnon, PE of GHA, LLC represented the applicant.

Mr. Gagnon explained that the 74+/- acre property is owned by the Hartford Archdiocese. The applicant is proposing to expand the existing cemetery located off of Park Street. The site has a large section of wetlands in the southeast corner of the property.

The only improvement being proposed at this time is for the construction of a roadway, 875' long, 22' wide to access the burial plots.

Staff has suggested the use of pervious pavement; the road has been designed as requested. It will have a reservoir course, 48" in depth, under the pavement.

Spoils from grave excavation will be protected with silt fence barriers.

All work will be done outside of the upland review area.

Ms. Bednaz explained that although all activities will be outside of the upland review area, the IWWA can review an application if it is believed that the project could impact the wetlands.

Ms. Bednaz recommended that an earthen berm on the backside of the spoils pile be constructed, or that a more appropriate place for the pile be found,

approval be added regarding either moving the stockpile further from the wetlands and/or creating an earthen berm to protect it from erosion. Vote was 7-0-0.

b. Applications to be received after Town deadline for Agenda.

XIW-10-12-Town of Enfield-A permit has been requested for The Road 2005 Program Section 1D-1. This project is to provide roadway and drainage improvements to Lafayette Road, Hartford Avenue, and Alden Avenue within the regulated area. Submitted 06/14/10, received 06/15/10, PPE 06/30/10, **MAD 08/19/10**. This item was received. No discussion.

15. Other Business

a. IWWA Fines Ordinance

b. IWWA Fee Schedule

c. IWWA Regulation Revisions: A motion was made by Agent Nelson and seconded by Agent Albert to table discussion on agenda items 15a, b, and c to the meeting of 07/06/10. Vote was 7-0-0.

Chairman Maxellon noted that Agency members received a copy of a portion of the map showing the pipe and outfall inventory.

Ms. Bednaz explained that this is only to be used as an example of what the DPW is working on and accomplished to date.

Agent Nelson noted that Agent Serra is in need of an identification badge.

Mr. Giner stated that he would make arrangements with the Police Department to make an appointment for Agent Serra and Agent Abar, if she needs one as well.

Agent Nelson requested an updated phone and email list of Agency members and a list of classes available to members.

Ms. Bednaz replied that she will email the membership list to all members.

d. **Next regular meeting is Tuesday July 6, 2010 at 7:30PM in the Enfield Room.**

16. Adjourn: A motion was made by Agent Camidge and seconded by Agent Nelson to adjourn the meeting at 7:56 p.m.

Respectfully Submitted,

Jo-Marie Nelson, Secretary

NEW BUSINESS

XIW-10-12 - Town of Enfield

XFW 10-12

Town of Enfield

INLAND WETLANDS AND WATERCOURSES APPLICATION

**Road 2005 Program -- Section 1D-1
Contract No. 10-3**

APPLICANT

Town of Enfield
40 Moody Road
Enfield, CT 06082

PREPARED BY

Maguire Group Inc.
One Court Street
New Britain, CT 06051

June 2010

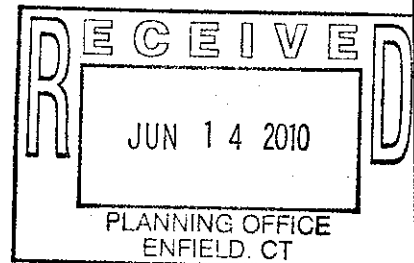


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Enfield Inland Wetlands and Watercourses Agency Review Check List

Permit Application & Checklist

Part A

Part B

Appendix A – Location Plan

FEMA Map

Appendix B – Technical Memorandum – Wetland Field Investigation & Delineation

Appendix C – Statewide Inland Wetlands & Watercourses Activity Reporting Form

Appendix D – Project Plans

Appendix E – Storm Sewer Outlet Scour Protection Computations

Enfield Inland Wetlands and Watercourses Agency Review Check List

Application Number: IW _____	Name of Applicant: Town of Enfield	
Date Submitted: - - -	Title of Project: Enfield Road 2005 Program - Section 1D-1	
<p>In making their decision the Commission must consider the following: 1) the severity of environmental impacts; 2) if there are feasible and prudent alternatives; 3) trade-offs between long and short term impacts; 4) if there are irreversible and irretrievable losses of wetland or watercourses; 5) if there are possible negative effects to safety, health or reasonable use of the subject or downstream property; 6) the need to balance economic development and the need to protect the environment; 7) if there are measures that could mitigate impacts; 8) that there is no interference with local drainage or increase possibility of flooding. If however, an application goes to Public Hearing, the Commission must find there are <u>no</u> other feasible and prudent alternatives and the application is consistent with the purposes and policies of the Enfield Inland Wetland and Watercourse Regulations in order to approve a permit.</p>		
Topic	Response (Check if not otherwise indicated)	Explain any Avoidance / Mitigation Efforts
Wetlands on Site:	Surveyed / flagged <input checked="" type="checkbox"/> , Mapped <input checked="" type="checkbox"/> , Soils types: _____ (Indicated on plans or in letter) plans and report	
On Site Septic within 150 feet of wetlands:	No <input checked="" type="checkbox"/> , Yes <input type="checkbox"/>	
Wetland Encroachment:	No <input type="checkbox"/> , Yes <input checked="" type="checkbox"/> , Area 35 _____ (Square feet)	Pulled Exist. Outlet Back from Wetland
Regulated Area:	No <input type="checkbox"/> , Yes <input checked="" type="checkbox"/> , Area 35 _____ (Square feet)	Reestablish Vegetation
Floodplain:	Approximate _____, Elevation(s) NA _____ (MGVD)	
Watershed(s):	Waterworks _____, Grape _____, Freshwater _____, Beemans _____, Scantic _____, Buckhorn _____, Boweysn <input checked="" type="checkbox"/> , Connecticut _____	
Watershed Location:	Upper <input checked="" type="checkbox"/> , Middle _____, Lower _____ Third	
Intermittent Stream	Defined channel? No <input type="checkbox"/> , Yes <input checked="" type="checkbox"/> : 2 of following 3 Flowing water (> one event): No <input type="checkbox"/> , Yes <input checked="" type="checkbox"/> Scour and/or detritus: No <input type="checkbox"/> , Yes <input checked="" type="checkbox"/> Hydrophytic vegetation: No <input type="checkbox"/> , Yes _____	
Aquifer Protection Zone:	No <input checked="" type="checkbox"/> , Yes _____, Notified Water Company _____	
Natural Diversity Data Base Species:	No <input checked="" type="checkbox"/> , Yes _____	
Escarpment:	No <input checked="" type="checkbox"/> , Yes _____	
Pond / Lake Shore Line:	No <input checked="" type="checkbox"/> , Yes _____	
Within 500 feet of the Town Boundary:	No <input checked="" type="checkbox"/> , Yes _____, Which Town? _____ Have they been notified? No <input type="checkbox"/> , Yes _____	
Application of Pesticides/ Fertilizers	Known _____, Reason to Suspect _____, None Documented <input checked="" type="checkbox"/>	
Storage or Use of Pollutants / Hazardous Materials:	Known _____, Reason to Suspect _____, None Documented <input checked="" type="checkbox"/>	
Ground Water Contamination:	Known _____, Reason to Suspect _____, None Documented <input checked="" type="checkbox"/>	
Storm Water:	Quality Renovated <input checked="" type="checkbox"/> , Quantity Managed <input checked="" type="checkbox"/>	
Snow Stockpiling in Proximity to Wetlands:	No <input checked="" type="checkbox"/> , Yes _____	
Roof Drainage:	To Stormwater System _____, To Adjacent Land <input checked="" type="checkbox"/>	

**Enfield Inland Wetlands and Watercourses Agency
Review Check List**

Topic	Response (Check if not otherwise indicated)	Explain any Avoidance / Mitigation Efforts
Run-off Calculations:	No <input type="checkbox"/> , Yes <input checked="" type="checkbox"/>	
Drainage Patterns Altered.	No <input checked="" type="checkbox"/> , Yes <input type="checkbox"/>	
Scenic Vistas:	No <input checked="" type="checkbox"/> , Yes <input type="checkbox"/>	
Open Space Potential:	No <input checked="" type="checkbox"/> , Yes <input type="checkbox"/>	
Archeological Potential:	No <input checked="" type="checkbox"/> , Yes <input type="checkbox"/>	
Considerations for Public Hearings		
Significant Impact:	Are there "...activities, which may have a major effect or significant impact on the wetlands or watercourses?"	No. The proposed outlet replaces an existing outlet at the same location
Resulting from deposition or removal of material	No <input checked="" type="checkbox"/> , Yes <input type="checkbox"/> , Specify which: _____	
By changing the channel or inhibiting the natural dynamics of a watercourse system (including inter-basin transfers.)	No <input checked="" type="checkbox"/> , Yes <input type="checkbox"/> , Specify which: _____ _____ _____	
By causing the diminution of the capacity to support flora and fauna, flooding, water supply, waste assimilation, drainage, recreation or other functions of a wetland or watercourse	No <input checked="" type="checkbox"/> , Yes <input type="checkbox"/> , Specify which: _____ _____ _____ _____	
By causing substantial turbidity, siltation or sedimentation of a wetland or watercourse	No <input checked="" type="checkbox"/> , Yes <input type="checkbox"/> , Specify which: _____ _____	
By causing substantial diminution of flow of a natural watercourse or, groundwater levels in a wetland or watercourse	No <input checked="" type="checkbox"/> , Yes <input type="checkbox"/> , Specify which: _____ _____ _____	

**Enfield Inland Wetlands and Watercourses Agency
Review Check List**

Topic	Response (Check if not otherwise indicated)	Explain any Avoidance / Mitigation Efforts
By causing or having the potential to cause pollution to wetlands or watercourses	No <input checked="" type="checkbox"/> , Yes __, Specify which: _____ _____	
By destroying unique wetland or watercourse areas having demonstrable scientific or educational value	No <input checked="" type="checkbox"/> , Yes __, Specify which: _____ _____	
Public Interest	No <input checked="" type="checkbox"/> , Yes __	
Petition with 25 signatures	No <input checked="" type="checkbox"/> , Yes __	
Within 500 feet of Town Boundary	No <input checked="" type="checkbox"/> , Yes __, Which town(s) should be notified?	
Alternatives Presented to Commission:	No <input checked="" type="checkbox"/> , Yes __	
Are there no other prudent alternatives	No <input checked="" type="checkbox"/> , Yes __, Specify _____	
Are there no other feasible alternatives:	No <input checked="" type="checkbox"/> , Yes __, Specify _____	
Have abutters been notified by certified mail? No <input checked="" type="checkbox"/> , Yes __, How many _____ of how many have responded _____ ?		
Information Needs		
Site Plans:	General Area (including surrounding properties) <input checked="" type="checkbox"/> , Proposed / Existing Conditions (With Contours, Wetlands Regulated Area) <input checked="" type="checkbox"/>	
Plans for presentation that have features colored	No __, Yes <input checked="" type="checkbox"/>	
Abutters:	Names and addresses, No __, Yes <input checked="" type="checkbox"/>	
Right of Entry:	Given to Wetland Commissioners and Agent, No __, Yes <input checked="" type="checkbox"/>	
Additional Information:	_____	
State DEP Stormwater Permit Thresholds: 1 All Construction projects which <u>disturb</u> five acres or more acres of land area on a site, 2 Phased projects where individual phases are less than five acres but combined disturbance of all phases is greater than five acres, 3 Subdivision projects where the road installation is less than five acres, but the total of road and building lots is greater than five acres, and this applies regardless of when the individual lots will be developed or who will develop them.		
Army Corps of Engineers Wetland Permit Thresholds: 5000 square feet of impacted area (e.g. drained, flooded, filled or cleared), 500 liner feet of bank stabilization.		
Is the application complete? No __, Yes __, Missing: n/a		
Decision: Approved __, Denied __, Withdrawn		
Was bonding required?		
The reason for the decision:		

TOWN OF ENFIELD
 INLAND WETLANDS & WATERCOURSES AGENCY
 PERMIT APPLICATION & CHECKLIST

INSTRUCTIONS:

1. The Agency and the applicant may hold a pre-application meeting to examine the scope of a proposed regulated activity or to determine if the proposed application involves a significant activity.
2. Any person intending to undertake a regulated activity shall apply for a permit by completing the applicable parts of this nine-page application form (consisting of parts A, B, C & D).
3. For the purpose of this application:
 - a. "applicant or person" means any person, persons, firm, partnership, association, corporation, company, organization or legal entity of any kind, including municipal corporation, governmental agency or subdivision thereof; and
 - b. refer to the Town's Inland Wetlands and Watercourses Regulations for further clarification and guidance with respect to the standards and criteria used for application evaluation.
4. ~~Nine (9)~~ ¹¹ copies of all applicable completed application materials shall be submitted unless otherwise directed in writing by the Agency or its designated agent.
5. Indicate which of the following circumstances fit this application and comply with the following referenced application requirements.

CIRCUMSTANCES	CHECK	REQUIREMENTS
Application for regulated activity		Complete Part A only
Application also involves Site Plan, Subdivision, or Special Permit	✓	Complete Parts A & B
Application involves a Significant Activity		Complete Parts A, B & C
Renewal or Extension for, or Amendment to an Issued Permit		Complete Part D only
Wetland Map Amendment		Complete Part E only

- ✓ 6. Applicant's Name: Town of Enfield
- ✓ 7. Address or descriptive location (e.g. north side of Hazard Ave. – 1,000 feet easterly of intersection with Palomba Dr.) of proposed regulated activity:
North end of Hartford Avenue
- ✓ 8. Title of Project: Enfield Road 2005 Program - Section 1D-1

TOWN OF ENFIELD
INLAND WETLANDS & WATERCOURSES AGENCY
PERMIT APPLICATION & CHECKLIST

PART A

All applications for regulated activities shall include the following information:

- A. Applicant's name: Town of Enfield
- B. Applicant's address: Town of Enfield, CT - Piya Hawkes, Director of Public Works
40 Moody Road, Enfield, CT 06082
- C. Applicant's phone number: (860) 763-7599
- D. Applicant's interest in the property:
Owner
- E. Landowner's name: Town of Enfield
- F. Landowner's address: Town of Enfield, CT - Piya Hawkes, Director of Public Works
40 Moody Road, Enfield, CT 06082
- G. Landowner's telephone number: (860) 763-7599
- H. Written consent (dated and signed) from the landowner that expresses his knowledge of and consent to the application if the landowner is not the applicant.
- I. The total calculated area (in square feet) of wetlands and watercourses on the subject property: 9,900 square feet.
- J. The total calculated area (in square feet) of regulated area that would be disturbed by the proposed regulated activities (include regulated areas that provide access to and ample space to work around the regulated activities): 35 square feet.
- K. Submission of the appropriate application fee based on the fee schedule established in Section 19 of the regulations.
- L. Written narrative of sufficient detail that sets forth the purpose and a description of the proposed activity and alternatives considered by the applicant and why the application's proposal to alter the wetlands or watercourse was chosen.

- M. A location map at a scale of 1 inch = 2,000 feet identifying the geographical location of the property involved.
- N. A map at a scale of 1 inch = 100 feet identifying the geographical location of the property to be affected by the proposed activity, adjacent lands, adjacent regulated areas, such upstream and downstream areas as may be identified by the Agency or its designated agent, and other pertinent features including, but not limited to, existing and proposed property lines, roads and drives, existing buildings and their utilities, topography, soil types from the published soil survey, the limits of inland wetlands, watercourses and conservation buffer areas, existing and proposed lands protected as open space or by private conservation easements, and types of vegetative cover.
- O. A site plan at 40' scale that provides sufficient detail showing existing and proposed conditions, including maximum building areas, in relation to regulated areas and measures proposed to mitigate the potential environmental impacts.
- P. A title block and legend of symbols used for each plan or map indicated the name of the project, landowner and applicant, name and signature of the person preparing the plan or map, date prepared and subsequent revision dates and scale.
- Q. Certification as to each of the following:
- (1) Is any portion of the wetland or watercourse (on which the regulated activity is proposed) located within 500 feet of the boundary of an adjoining municipality?
___ Yes No
Name of Town(s): _____
- ___ (2) Will traffic (attributable to either construction activities or to the completed project on the site) use streets within the adjoining municipality to enter or exit the site?
___ Yes No
Name of Town(s): _____
- ___ (3) Will sewer or water drainage from the project site flow through and affect the sewage or drainage system within the adjoining municipality? ___ Yes No
Name of Town(s): _____
- ___ (4) Will water runoff from the improved site affect streets or other municipal or private property within the adjoining municipality? ___ Yes No
Name of Town(s): _____
- ___ R. If yes to the aforementioned question Q.(1), then provide documentation (copy of return receipts) that the applicable adjacent municipal wetland agencies were duly notified pursuant to the regulations.
- S. Copy of the STATEWIDE INLAND WETLAND ACTIVITY REPORTING FORM (attached) with all applicable sections completed by the applicant.

T. Names and addresses of abutting property owners as shown in the records of the tax assessor of the municipality as of a date no earlier than thirty (30) days before the date the application is submitted.

U. Any other information the Agency or its designated agent deems necessary for the review and evaluation of the application.
Technical Memorandum - Wetland Field Investigation and Delineation

V. Does this application include any regulated activity in a Floodplain?

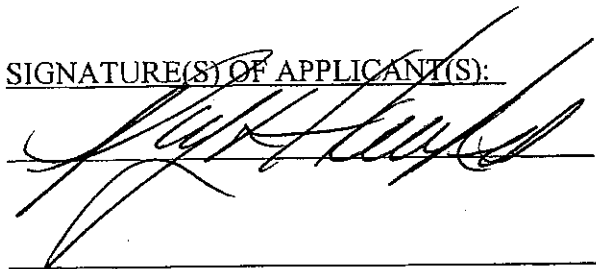
- Yes – Please fill out Development Permit for Flood Hazard Areas
 No – Proceed to next question.

Certification By Applicant

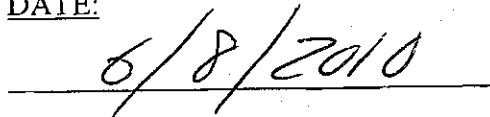
By my (our) signatures, I (we) hereby certify that:

- i. the applicant(s) is (are) familiar with all of the information provided in the application and is (are) aware of the penalties for obtaining a permit by deception or by inaccurate or misleading information; and
- ii. the Agency members and their designated agents are authorized to inspect the property, at reasonable times, both before and after a final decision has been issued, and after completion of the project.

SIGNATURE(S) OF APPLICANT(S):



DATE:



TOWN OF ENFIELD
INLAND WETLANDS & WATERCOURSES AGENCY
PERMIT APPLICATION & CHECKLIST

PART B

All applications for a regulated activity that involve a land use proposal which is also subject to site plan review, subdivision, or special permit application, may be required to contain the following additional information (as determined by the Agency or its designated agent):

- A. All wetland boundaries on the property shall be identified by a soil scientist and located by a licensed land surveyor. All wetland soil types shall be classified by the soil scientist.
- B. The soil scientist shall consecutively number the survey tapes that mark boundary lines of wetlands that will be or may be affected by the proposed activity. The survey tapes shall be located by a licensed land surveyor and each tape location and number shall be plotted onto the site plan.
- C. The soil scientist shall prepare a report that includes the name of the applicant and project, the location of and limits of the property investigated, the dates of the soil investigations, a brief soil description for each soil mapping unit investigated, the set of the consecutive numbers used on survey tapes to identify the wetland boundaries, and a certified statement that the wetland boundaries appearing on the site plan are to the best of his knowledge true and accurate.
- D. All watercourses identified on the property shall be located and identified on the site plan to the satisfaction of the Agency or its designated agent.
- E. A site plan shall be submitted at a scale of 1 inch = 40 feet, or a scale that exhibits greater detail, indicating the following: location and limits of all regulated areas; existing and proposed conditions in relation to regulated areas; location of prominent features within regulated areas such as bedrock outcrops, stone walls, trees deemed by the Agency or its agents to be of critical value and existing buildings and drives; names of abutting property owners; soil erosion and sediment control measures; any measures to detain or retain stormwater runoff or recharge groundwater; any plantings or habitat improvement; and any other measures proposed to mitigate the potential environmental impacts.
- F. A map of sufficient scale shall be submitted indicating each surficial drainage area influencing each distinct wetland area or watercourse on the property.
- G. A general written description of the physical and vegetative characteristics shall be submitted for each distinct wetland area.
- H. Any other specific information reasonably requested by the Agency or its designated agent.

PART A

A - C

Applicant Name Address and Phone Number:

Town of Enfield, CT- Piya Hawkes, Director of Public Works
Enfield Town Hall
40 Moody Road
Enfield, CT 06082
(860) 763-7599

D

Applicant's Interest in the Property:

Roadway and stormwater drainage improvements.

E, F, & G

Landowners Name, Address and Telephone Number:

Town of Enfield - Piya Hawkes, Director of Public Works
40 Moody Road, Enfield, CT 06082
(860) 763-7599

H

Written consent from landowners expressing his/her knowledge of and consent to the application:

Temporary easements will be acquired from the property owners by the Town before construction begins as required.

I

Total calculated area of wetlands and watercourses on the subject property:

Wetland/Watercourse	Sq. Feet of Delineated Resource within Project Area	Sq. ft of impact
Wetland 100	9,900	35
Total	9,900	35

Data derived from wetland mapping.

J

Total calculated area of regulated area that would be disturbed by the proposed regulated activity:

Approximately 35 square feet of wetlands would be impacted as a result of the proposed improvements to the existing stormwater drainage outfall just north of Hartford Avenue. For a complete description of the project wetland see the attached Technical Memorandum - Wetland Field Investigation and Delineation (Appendix B).

K **Fees**

To Be Determined

L **Written Narrative of Proposed Activity**

Project Purpose

The Town has evaluated its system of local roads and has developed a schedule of improvements based upon present conditions. The design of Section 1 will include a pavement-testing program (Done by Others) to determine the feasibility of reconstruction or a recommendation for other construction methods. The objective of this project is to provide roadway and drainage improvements to three (3) roadways, Lafayette Street (1,150') Hartford Avenue (1,280') and Alden Avenue (1,700'), as part of the Town of Enfield's Road 2005 Program, Section 1. This portion of the project is designated Section 1D-1, Contract No. 10-3. The project includes full depth reconstruction of the roadways and horizontal and vertical geometric improvements to provide positive drainage from all driveways and front yards. The existing storm drainage systems and watersheds were analyzed for a 10 Year Design Storm for Roadway Systems, and a 25 Year Storm Event for all Sump Conditions to the Outlet. As part of the project the existing 12" C.M.P. outfall located at the north end of Hartford Avenue will be replaced with a new 24" C.P.E.P. outfall at the same location. The existing outfall will be pulled back from the wetlands under the proposed condition to minimize the impacts and to allow for the installation of outlet scour protection. The replacement of the outfall will impact approximately 35 square feet of the adjacent wetlands. The existing outfall discharges to a scoured out ravine which is part of a larger wetland system to the north (See Appendix B – Technical Memorandum, Wetland Field Investigation and Delineation.) A Type C Riprap Apron will be constructed at the new 24" C.P.E.P. outfall to prevent further erosion and to dissipate stormwater velocities. The outlet scour protection has been designed in accordance with Town and/or Connecticut Department of Transportation guidelines (See Appendix E).

Alternatives Assessment

The proposed project updates an old, deteriorated, undersized storm water discharge system that currently results in erosion, street flooding, culvert overtopping, or a combination thereof. Catch basin replacement, new curbing, increased culvert, and increased storm drain pipe sizes are critical to effectively addressing the area flooding problems and reducing the effects of erosion.

Alternatives to this project are as follows:

- 1) No Action – This alternative was not selected as many areas of the roadway where drainage appurtenances were in disrepair have resulted in erosion and subsequent unsafe conditions. The conditions are such that immediate attention is warranted from a safety standpoint, and also to address erosion and sedimentation problems.
- 2) New Road Alignment – This alternative was not selected as it would result in much more impacts to properties than upgrades to the existing road along the existing alignment.
- 3) Conduct Spot Repairs as Needed – This alternative was not selected as it represents a “band-aid” fix to problems associated with the roadway.

M – Location Map. 1 in. = 2,000 ft. (See Appendix A)

N – P

N = 40 scale mapping of existing and proposed conditions

O = 40-foot scale Site Plans of existing and proposed conditions

P = Title Block and Symbol Legend

See Attached Plan Sheets – Appendix D

Q

- 1) No portion of the proposed activity would occur within 500 feet of the boundary of an adjoining municipality.
- 2) No traffic (attributable to either construction activities or the completed project on the site) use streets within the adjoining municipality to enter or exit the site.
- 3) Sewer or water drainage from the project site would not flow through and affect the sewage or drainage system within the adjoining municipality.
- 4) No water runoff from the improved site will affect streets or other municipal or private property within the adjoining municipality.

R

Not Applicable.

S

See attached Statewide Inland Wetland Reporting Form

T - Abutting Property Owners Information

STREET AND NUMBER	OWNER	MAILING ADDRESS (if different)
72 Hartford Avenue	Jaime & Iris L Rodriguez	
64 Hartford Avenue	Kimberly & Kevin Gillespie	19 Cherry Brook Lane Suffield, CT 06078
60 Hartford Avenue	Alissa M & Frances Hanvey	
2 Lafayette Street	Roy L Elderkin	35 Franklin Street Enfield, CT 06082
6 Lafayette Street	Jean P & Maryse Grondin	10 Noah Chapin Drive Somers, CT 06071
10 Lafayette Street	Lorraine Tweedale & Raymond Turek	12 Lafayette Street Enfield, CT 06082
18 Lafayette Street	Daniel J & Sandra L McCann	27 South Meadow Lane Enfield, CT 06082
22 Lafayette Street	Michael D Rogers & Jody Dubuque	24 Lafayette Street Enfield, CT 06082
28 Union Street Extension	Rita M. Spring	30 Spinnaker Drive , CT
30 Union Street Extension	Carmelina A. & Ralph M. & Louis R. & Salvatore R. Maggio	
32 Union Street Extension	Joanne M & Bruce L. Gendron	200 Poplar Avenue West Springfield, MA

U

Technical Memorandum - Wetland Field Investigation and Delineation (Appendix B)

V

No floodplain within project limits.

PART B

A

See Attached Plan Sheets

B

See Attached Plan Sheets

C

Soil Scientist Report -- See Attached Technical Memorandum - Wetland Field Investigation and Delineation (Appendix B)

Soils information is provided in Section G as part of the resource descriptions.

D

See Attached Plan Sheets

E

See Attached Plan Sheets

F

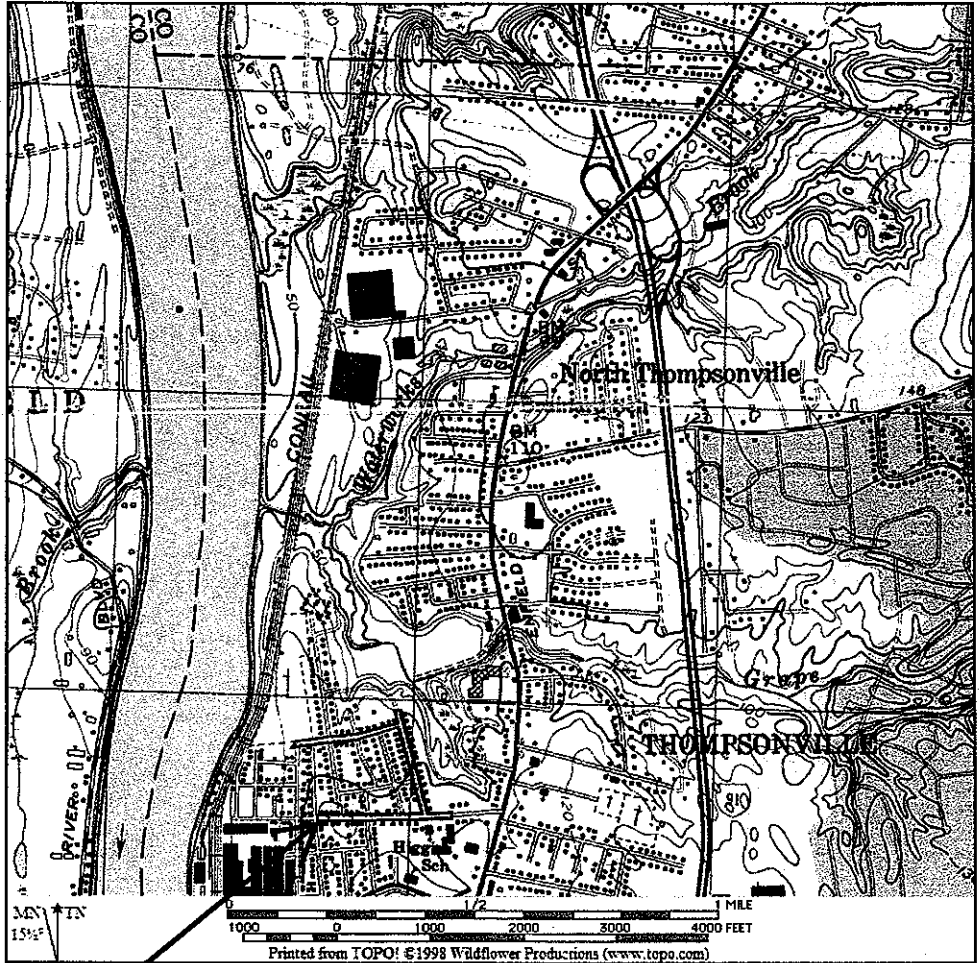
See Attached Plan Sheets

G – Resource Descriptions

Wetland 100

Wetland 100 is located north of the end of Hartford Avenue, at the base of a scoured out ravine. This ravine forms one of the many headwater areas of a larger wetland system to the north and is characterized by a small stream which cuts through a lightly forested wetland. The predominant soil at the site is Saco silt loam. The vegetation is comprised of a red maple (*Acer rubrum*) canopy and fringe and a skunk cabbage (*Symplocarpus foetidus*) understory. The slopes leading down to the wetland are densely vegetated by Japanese knotweed (*Polygonum cuspidatum*).

APPENDIX A
LOCATION MAP



Project Location

**FIGURE 1 – LOCATION PLAN
ROAD 2005 PROGRAM – SECTION 1D-1
ENFIELD, CT**

APPENDIX B
TECHNICAL MEMORANDUM – WETLAND FIELD
INVESTIGATION AND DELINEATION

Technical Memorandum

**ENFIELD ROADS 2005 PROGRAM – Section 1
Enfield, Connecticut**

Wetland Field Investigation and Delineation

Prepared under contract to:

Maguire Group, Inc.

For:

TOWN OF ENFIELD, CT

By:

**FITZGERALD & HALLIDAY, INC.
72 Cedar Street
Hartford, CT 06106**

May 2010



INTRODUCTION

Fitzgerald & Halliday, Inc. (FHI) was retained by Maguire Group, Inc. (Maguire) to investigate the presence and extent of wetlands within the survey limits of eleven proposed roadway drainage outfall projects throughout the town of Enfield, CT. The survey limits generally extend approximately 75 to 100 feet beyond the end of the various outfalls (refer to Figure 1).

The April 23, 2010 wetland delineation was conducted according to both the federal and State of Connecticut definitions. Criteria used to support the wetland boundary determinations included: Natural Resources Conservation Service (NRCS) mapping; *Field Indicators of Hydric Soils in the United States – Version 6.0* (NRCS, 2006); *Field Indicators for Identifying Hydric Soils in New England – Version 3* (New England Hydric Soils Technical Committee, 2004); and the *Corps of Engineers Wetland Delineation Manual* (U.S. Army Corps of Engineers [ACOE], Waterways Experiment Station, 1987).

FHI flagged the boundaries of 8 inland wetlands, each identified by a separate flag series number. The following flag series numbers were used during the delineation effort: 100; 200; 300; 400; 500; 600; 700; and 800. In some cases two or more of the wetlands were found to be hydraulically connected, but were flagged with different series numbers because the connection takes place beyond the project's proposed limits of work.

The following section contains more detailed descriptions of the individual wetland impact sites. Supplemental materials attached to this report include project figures and photographs.

WETLAND SOILS

Because the survey limits are primarily within an urbanized area adjacent to a river, the majority of the soils in the project corridor are classified by the NRCS as either Urban Land Complexes or floodplain soils (refer to Figure 2). The urban soils encountered within the survey limits are typical of urban developed lands and infrastructures in Connecticut and are usually imported from adjacent or nearby sources of well-drained fill. The following soils were observed on the sites.

Udorthents Soils

This unit consists of well drained material that has been altered by cutting or filling. Slopes are mainly 25 to 70 percent. This material occurs on escarpments and is mostly loamy. The properties and characteristics of this unit are variable, and the unit requires onsite investigation and evaluation for most uses. This unit is not assigned to a capability subclass.

Windsor Soils

The Windsor series consists of very deep excessively drained soils formed in sandy glacial outwash. They are nearly level to very steep soils on glaciofluvial landforms. Slope ranges from 0 to 60 percent. The soils formed in outwash or eolian deposits of poorly graded sands and loamy sands derived mainly from crystalline rocks.

Rippowam Soils

The Rippowam series consists of very deep, poorly drained loamy soils formed in alluvial sediments. They are nearly level soils on flood plains along rivers and streams. They are in low areas. Slope ranges from 0 to 3 percent. The soils formed in recent alluvium derived mostly from granite, gneiss, and schist. Slope ranges from 0 to 3 percent. Saturated hydraulic conductivity ranges from moderately high or high in the loamy upper part and high or very high in the underlying sandy materials. These soils typically flood in the spring of each year. Rippowam soils have a water table at or near the surface much of this year.

Saco Soils

Saco soils are nearly level soils on flood plains, along rivers and streams. They are in depressed areas. Slope ranges from 0 to 2 percent. The soils formed in recent silty alluvium derived mostly from granite, gneiss, schist, shale and sandstone. In places water is ponded on the surface from late fall through early spring. Permeability is moderate in the silty layers and rapid or very rapid in the underlying sandy materials. These soils flood in the spring and after periods of heavy rainfall.

WETLAND DESCRIPTIONS BASED ON 2010 FIELD-DELINEATION

Site 1 – Hartford Avenue

Wetland 100 (Flag Series 101 to 118)

Wetland 100 is located north of the end of Hartford Avenue, at the base of a scoured out ravine. This ravine forms one of the many headwater areas of a larger wetland system to the north and is characterized by a small stream which cuts through a lightly forested wetland. The predominant soil at the site is Saco silt loam. The vegetation is comprised of a red maple (*Acer rubrum*) canopy and fringe and a skunk cabbage (*Symplocarpus foetidus*) understory. The slopes leading down to the wetland are densely vegetated by Japanese knotweed (*Polygonum cuspidatum*).

Sites 2 and 3 – Burgess Street and Jim Street

Wetland 200 (Flag Series 201 to 231)

Wetland 200 is located north of Burgess Street and east of Jim Street, at the base of two scoured out ravines. This wetland is hydraulically connected to wetland 100 to the southeast. The ravines in the wetland are two of the many headwater areas of a larger

wetland system to the east and are characterized by two small streams (one north of Burgess Street and one east of Jim Street) which cut through a lightly forested wetland. The predominant soil at these sites is Saco silt loam. The vegetation is comprised of a red maple canopy and fringe and a skunk cabbage understory. The slopes leading down to the wetlands and the floodplain areas around the wetlands are densely vegetated by Japanese knotweed.

Site 4 – North River Street

Wetland 300 (Flag Series 301 to 305)

Wetland 300 is to the west of North River Street, along the banks of the Connecticut River. In addition to the forested riverine floodplain, an existing outfall forms a small stream which flows through the site. The predominant soil at the site is Windsor loamy sand (along the shores of the Connecticut River). The dominant vegetation at this site is comprised of a silver maple (*Acer saccharinum*), gray birch (*Betula populifolia*), and sycamore (*Platanus occidentalis*) canopy and fringe and a poison ivy (*Toxicodendron radicans*) understory.

Site 5 – North River Street

Wetland 400 (Flag Series 401 to 415)

Wetland 400 is to the west of Main Street, along the banks of the Connecticut River. In addition to the forested riverine floodplain, an existing outfall forms a small stream which flows through the site. The predominant soil at the site is Windsor loamy sand (along the shores of the Connecticut River). The dominant vegetation at this site is comprised of a silver maple and sycamore canopy and fringe and a poison ivy understory.

Sites 6 and 7 – South River Street (east and west sides)

Sites 6 and 7 are on the east and west sides of South River Street, at the crossing of Freshwater Brook. The banks of the brook in these locations are extremely steep and held in place by concrete, rip rap reinforcements and roots of mature sycamores and silver maples. The predominant soil at these sites is Udorthent (along the banks of Freshwater Brook). There are no wetlands in these areas because of the steep angle and artificial reinforcement of the banks.

Site 8 – Woodward Street

Wetland 500 (Flag Series 501 to 517)

Wetland 500 is located east of the end of Woodward Street, flanking either side of a small, intermittent stream which empties into Freshwater Brook. The predominant soil at the site is Rippowam fine sandy loam. The wetland is dominated by a red maple canopy and a dense multiflora rose (*rosa multiflora*) and poison ivy understory. This wetland is

hydraulically connected to a larger wetland system flanking either side of Freshwater Brook.

Site 9 – Mountain View Avenue

Wetland 600 (Flag Series 601 to 606)

Wetland 600 is located east of the end of Mountain View Avenue, forming the narrow west bank of Freshwater Brook. The predominant soil at the site is Rippowam fine sandy loam. The wetland is dominated by a silver maple and Norway maple (*Acer platanoides*) canopy and a Japanese knotweed and poison ivy understory. This wetland is hydraulically connected to a larger wetland system, which includes Wetland 500, flanking either side of Freshwater Brook.

Site 10 – John Street

Wetland 700 (Flag Series 701 to 713)

Wetland 700 is located east of the end of John Street, within a floodplain area of Freshwater Brook. The predominant soil at the site is Rippowam fine sandy loam. The wetland is dominated by a silver maple canopy and a dense multiflora rose, Japanese knotweed, and poison ivy understory. This wetland is hydraulically connected to a larger wetland system, which includes Wetland 500 and Wetland 600, flanking either side of Freshwater Brook.

Site 11 – Claremont Avenue and Meadow Street

Wetland 800 (Flag Series 801 to 818)

Wetland 800 is located east of the end of Claremont Avenue and east of Meadow Street, within a floodplain area of and unnamed tributary to Freshwater Brook. The predominant soil at the site is Rippowam fine sandy loam. The wetland is dominated by a moderately to densely wooded silver maple and red maple canopy and a dense multiflora rose and redosier dogwood (*Cornus sericea*) understory. This wetland is hydraulically connected to a larger wetland system along the unnamed stream and Freshwater Brook.

Attached to this report are the following supporting materials:

- Figure 1 showing the project area
- Figure 2 showing the NRCS soils mapping in the corridor
- Location sketch maps of the wetlands
- Photographs of each wetland

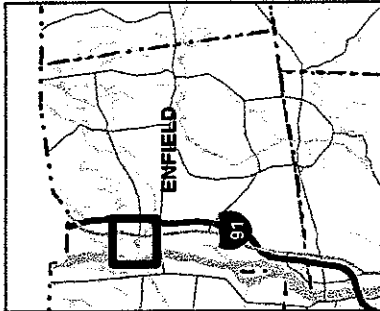
Respectfully submitted,

David Laiuppa

David Laiuppa
Certified Soil Scientist
Fitzgerald & Halliday, Inc

Figure 1 – Project Area





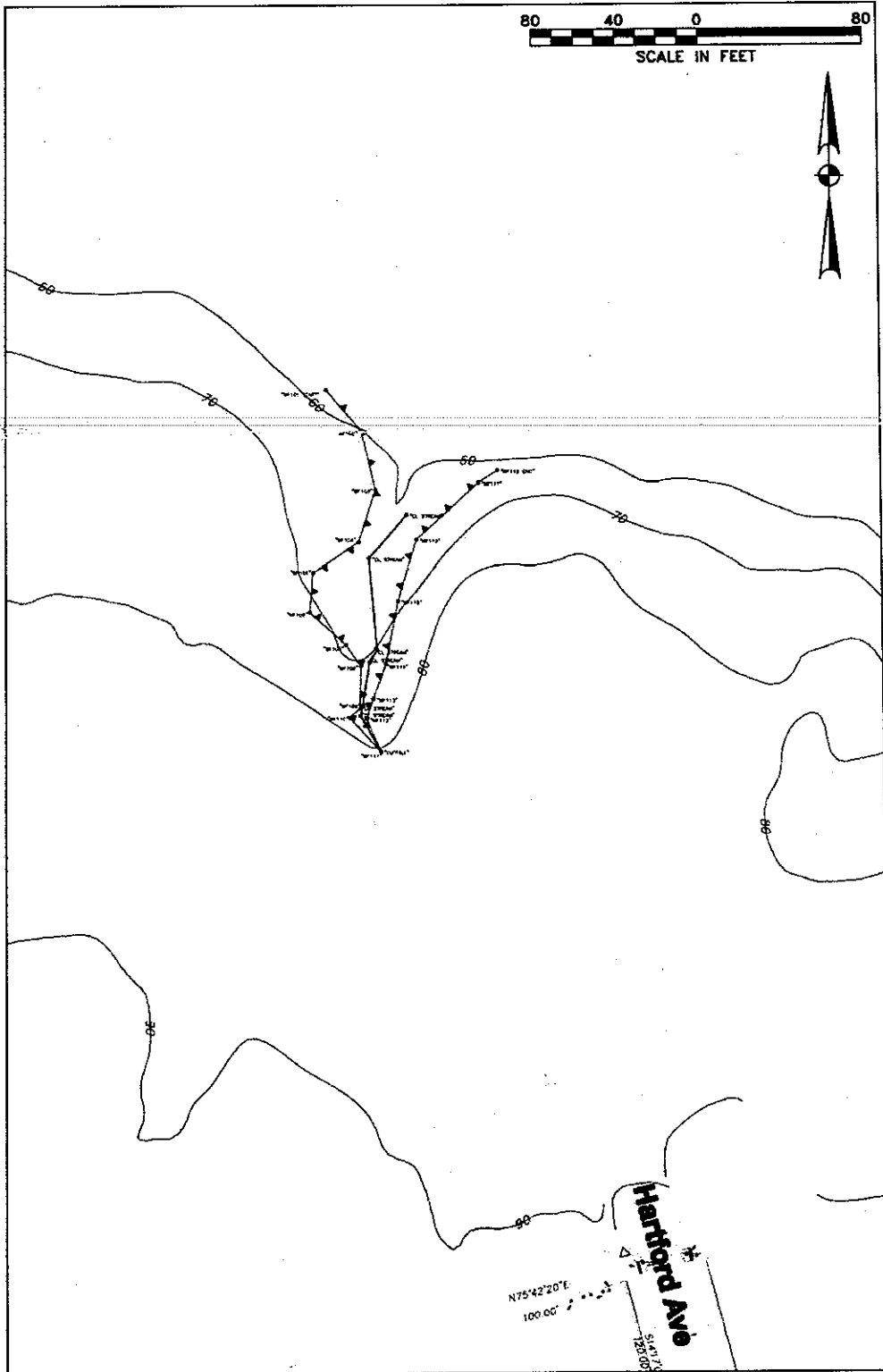
Soil
 Project Sites

Enfield Roads 2005 Program

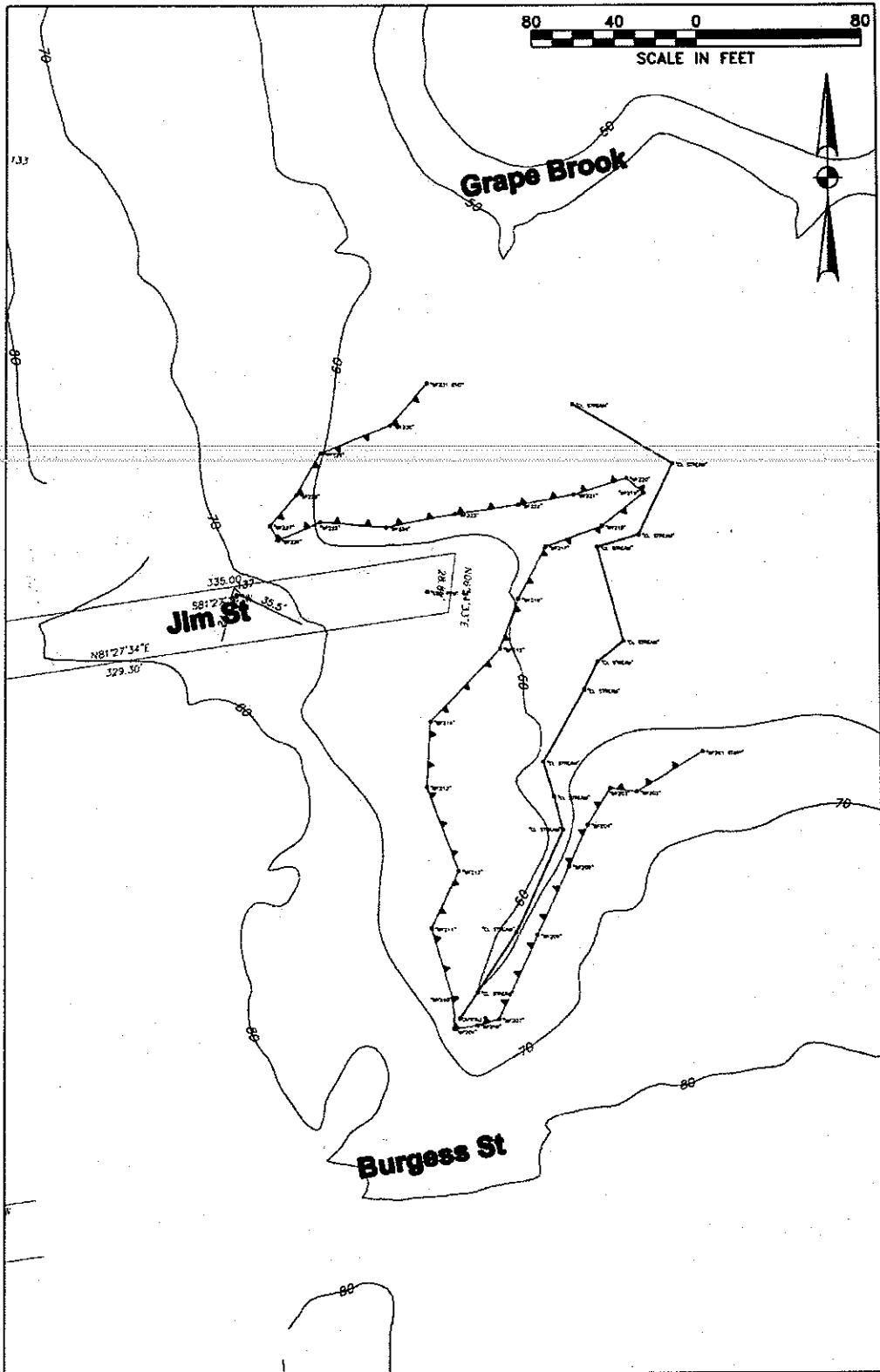
Figure 2
 Project Area Soils



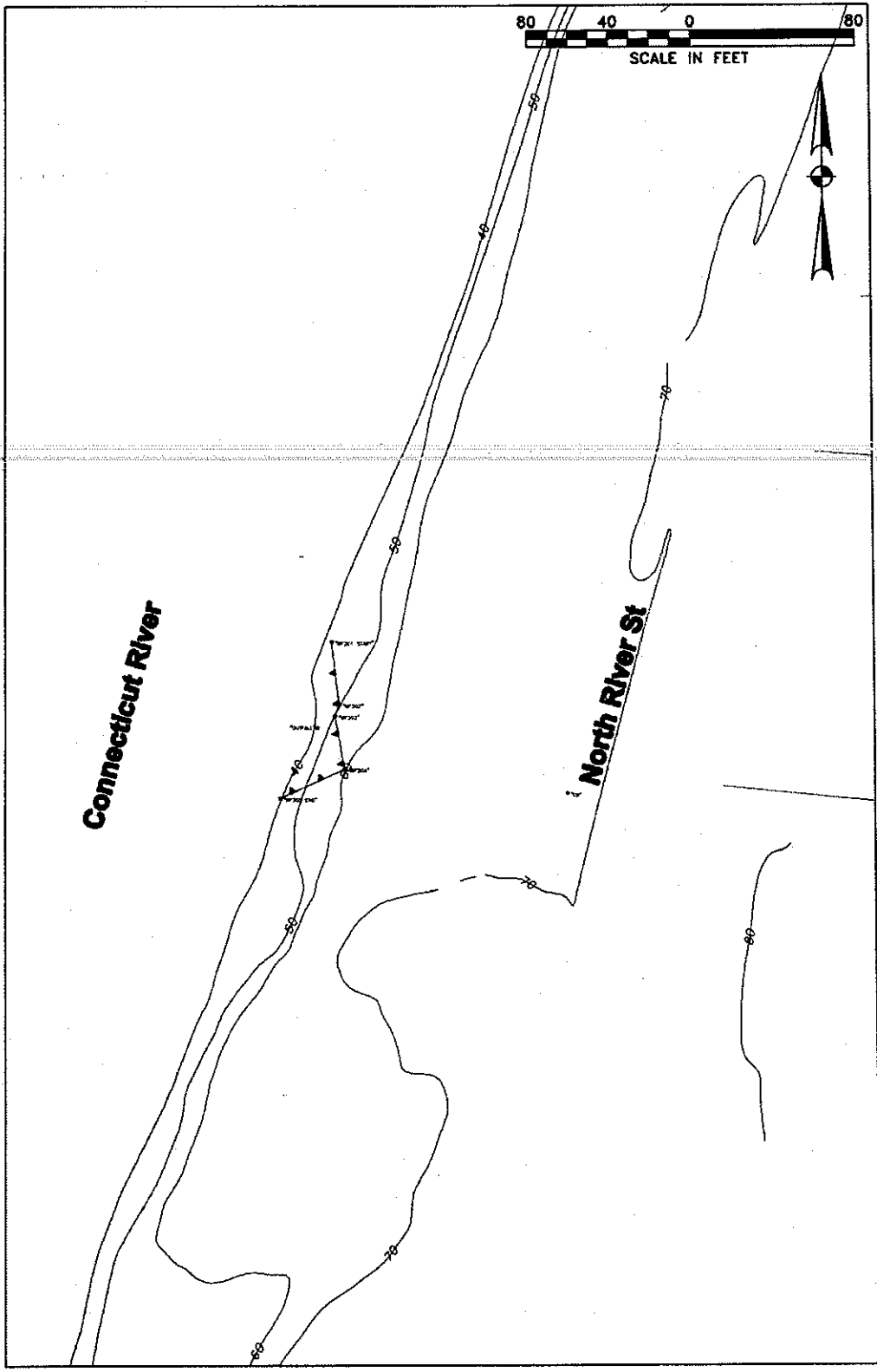
Wetland Sketches



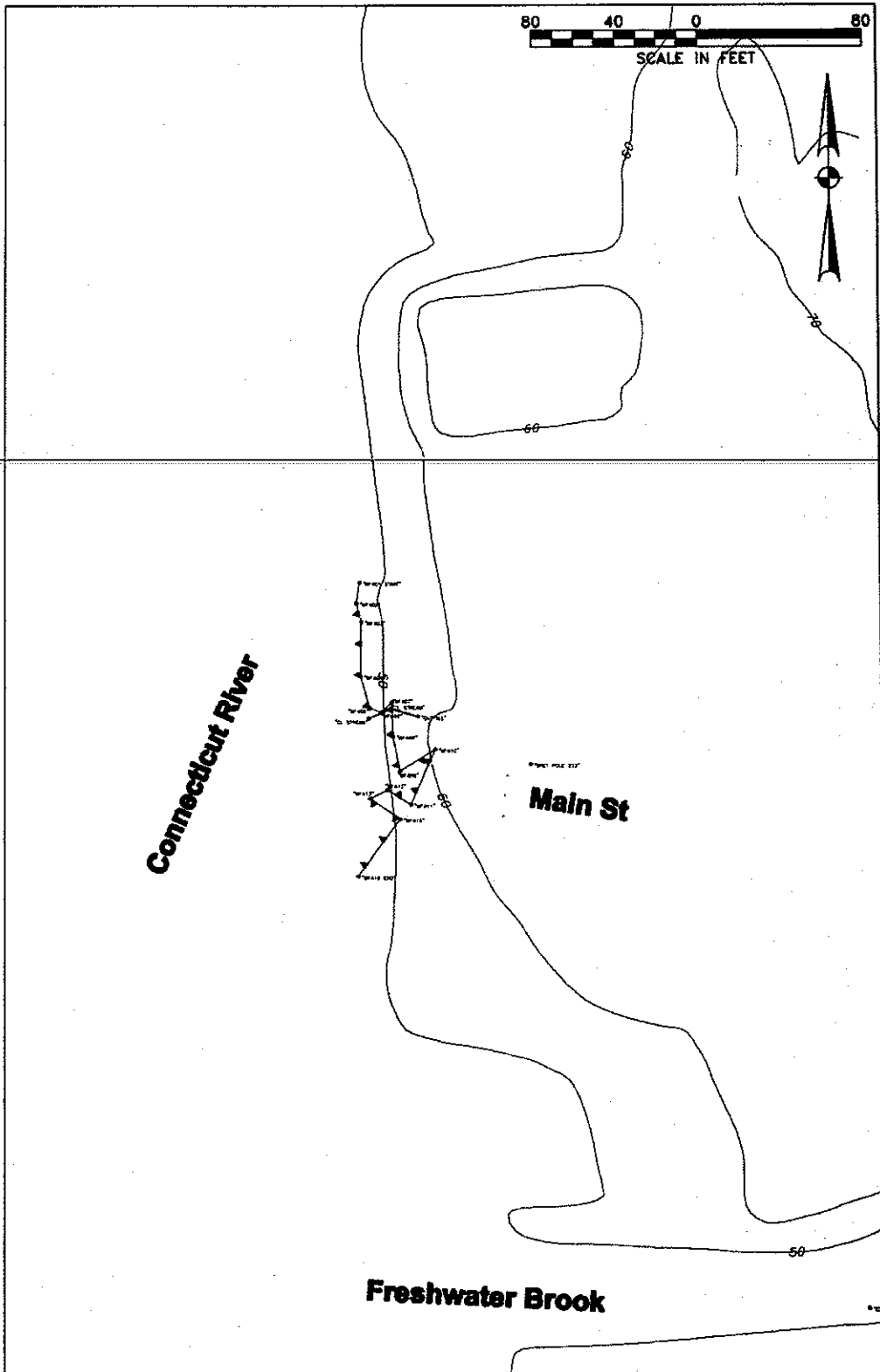
Wetland 1



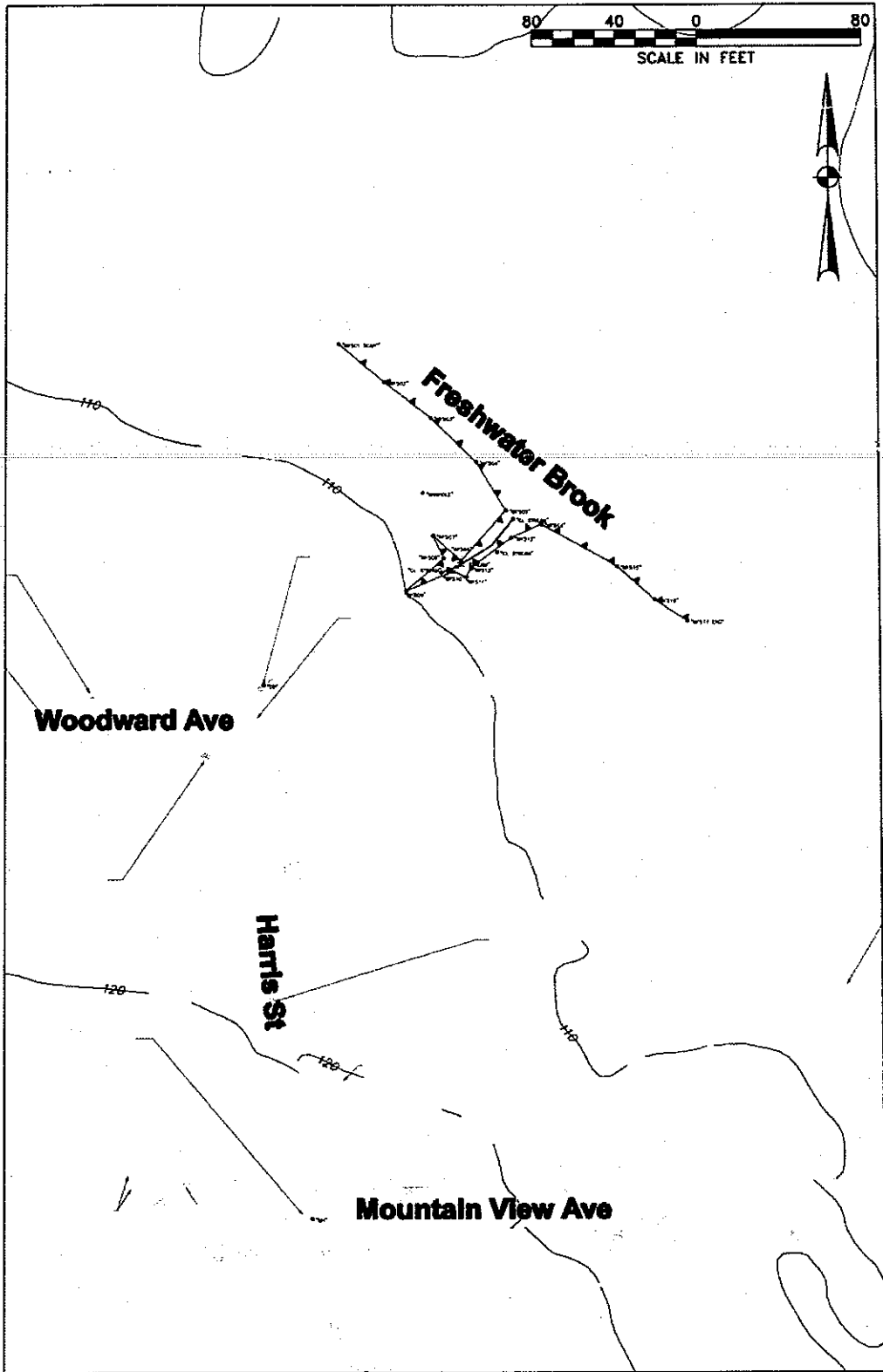
Wetland 2



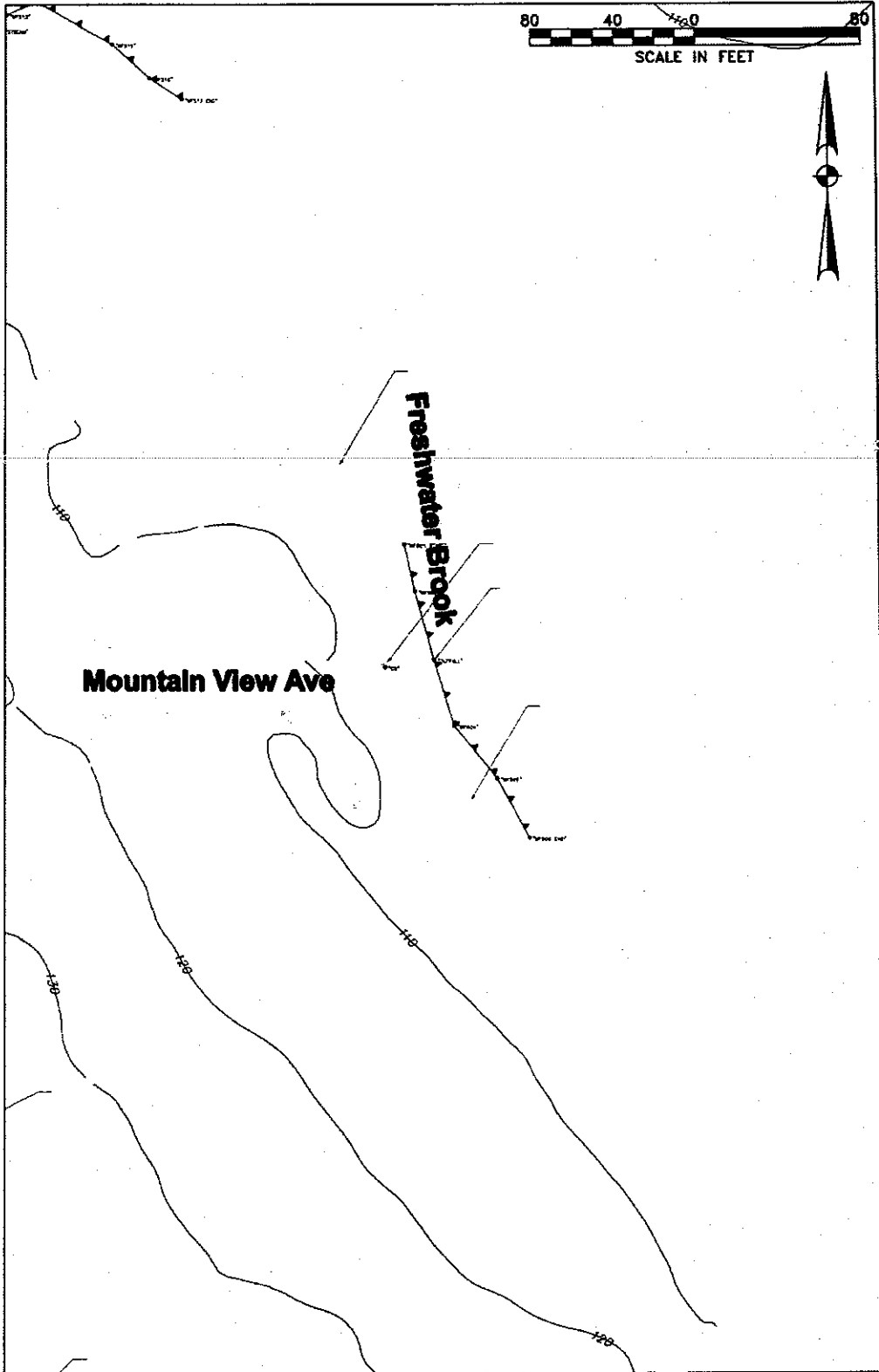
Wetland 3



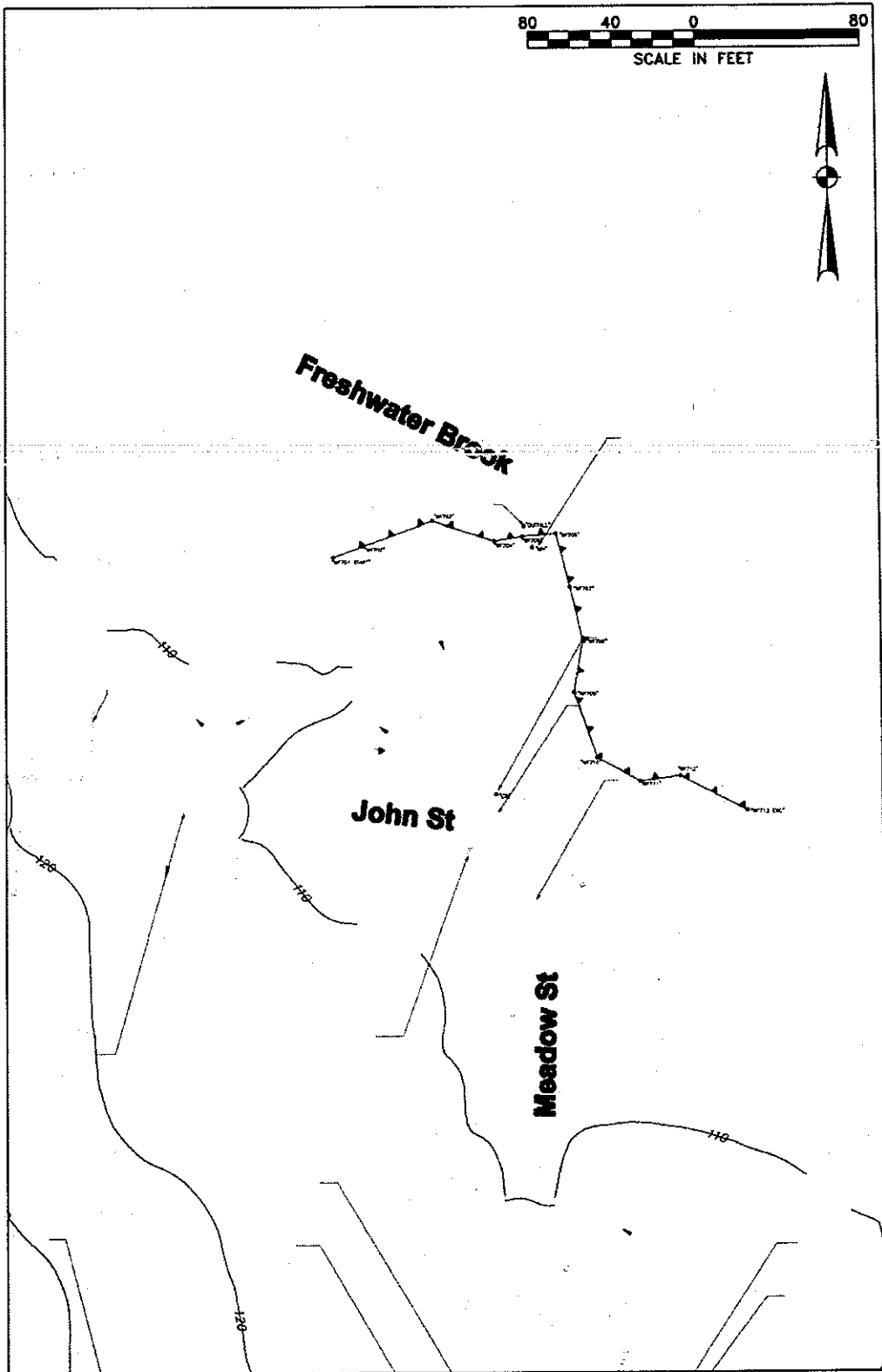
Wetland 4



Wetland 5



Wetland 6



Wetland 7