



**US Army Corps
of Engineers**®
New England District

696 Virginia Road
Concord, MA 01742-2751

PUBLIC NOTICE

Date: April 27, 2004

Comment Period Ends: May 27, 2004

File Number: NAE 2004-29

In Reply Refer To: Paul Sneeringer @ 978-318-8491

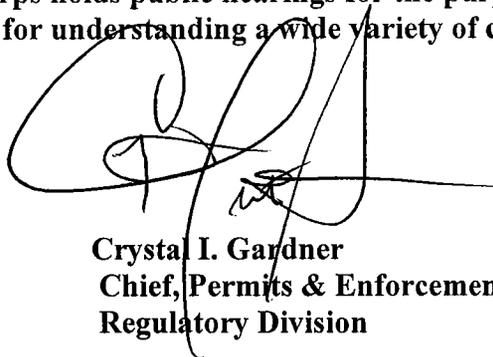
Or by e-mail: paul.j.sneeringer @ nae02.usace
.army.mil

Echo Hill South Association, Inc., c/o Bob Tuthill, P.O. Box 852, Amherst, Massachusetts 01004; has requested a Corps of Engineers permit under Section 404 of the Clean Water Act to discharge dredged and/or fill material within an unnamed tributary of the Fort River as part of the restoration of the three Echo Hill South Ponds. These project sites are located adjacent to Stony Hill Road in Amherst, Massachusetts. The purpose for this project is to restore pond depths in order to encourage fishing and passive recreational uses. The pond restoration projects will involve dewatering the ponds and then excavating and grading the pond bottoms using a backhoe. Dredged material will be stockpiled and partially dewatered within the ponds. Approximately 5,200 cubic yards of sandy gravel material will be deposited at approved upland disposal sites. All totaled approximately 83,000 square feet of waters of the United States, including jurisdictional wetlands will be impacted as part of these projects. The work is described on the enclosed plans entitled "THE ECHO HILL SOUTH ASSOCIATION," on 20 sheets, and dated "3/1/04."

This project is located on the USGS Belchertown quadrangle sheet at UTM coordinates 42°21'55.09 N and 72°28'40.89" E.

In order to properly evaluate the proposal, we are seeking public comment. Anyone wishing to comment is encouraged to do so. Comments should be submitted in writing by the above date. If you have any questions, please contact Paul Sneeringer at (978) 318-8491, (800) 343-4789 or (800) 362-4367, if calling from within Massachusetts.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for a public hearing shall specifically state the reasons for holding a public hearing. The Corps holds public hearings for the purpose of obtaining public comments when that is the best means for understanding a wide variety of concerns from a diverse segment of the public.



Crystal I. Gardner
Chief, Permits & Enforcement Branch
Regulatory Division

SEE NEXT PAGE FOR
DETAILS OF EVALUATION
FACTORS

The decision whether to issue a permit will be based on an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which may reasonably accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are: conservation, economics, aesthetics, general environmental concerns, wetlands, cultural value, fish and wildlife values, flood hazards, flood plain value, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production and, in general, the needs and welfare of the people.

Where the activity involves the discharge of dredged or fill material into waters of the United States or the transportation of dredged material for the purpose of disposing it in ocean waters, the evaluation of the impact of the activity in the public interest will also include application of the guidelines promulgated by the Administrator, U.S. Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act, and/or Section 103 of the Marine Protection Research and Sanctuaries Act of 1972 as amended.

Based on his initial review, the District Engineer has determined that the proposed work may impact properties listed in, or eligible for listing in, the National Register of Historic Places. Additional review and consultation to fulfill requirements under Section 106 of the National Historic Preservation Act of 1966, as amended, will be ongoing as part of the permit review process.

Pursuant to the Endangered Species Act, the District Engineer is hereby requesting that the appropriate Federal Agency provide comments regarding the presence of and potential impacts to listed species or its critical habitat.

The following authorizations have been applied for, or have been, or will be obtained:

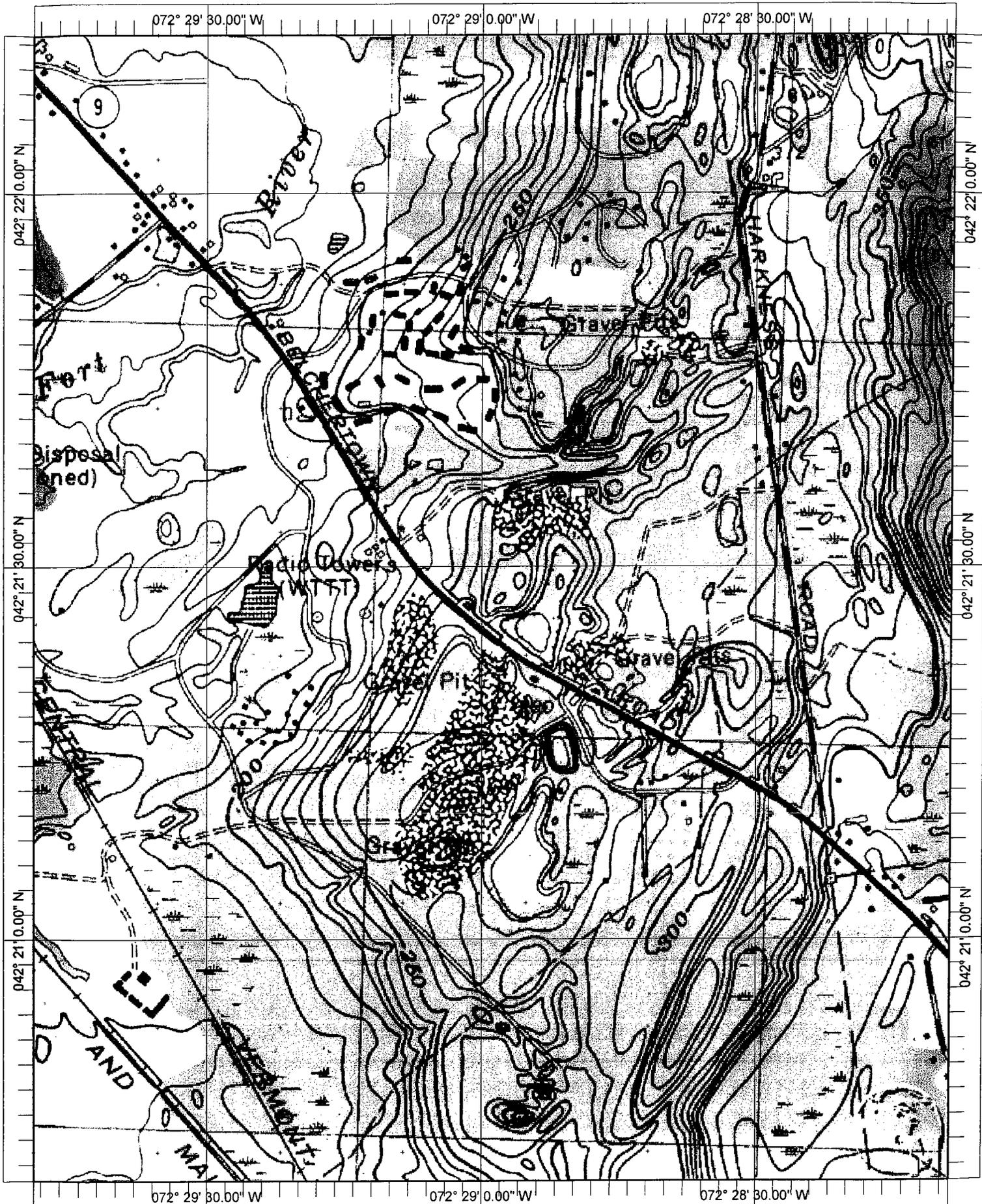
- (XX) Permit, License or Assent from State.
- (XX) Permit from Local Wetland Agency or Conservation Commission.
- (XX) Water Quality Certification in accordance with Section 401 of the Clean Water Act.

The initial determinations made herein will be reviewed in light of facts submitted in response to this notice. All comments will be considered a matter of public record. Copies of letters of objection will be forwarded to the applicant who will normally be requested to contact objectors directly in an effort to reach an understanding.

THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.

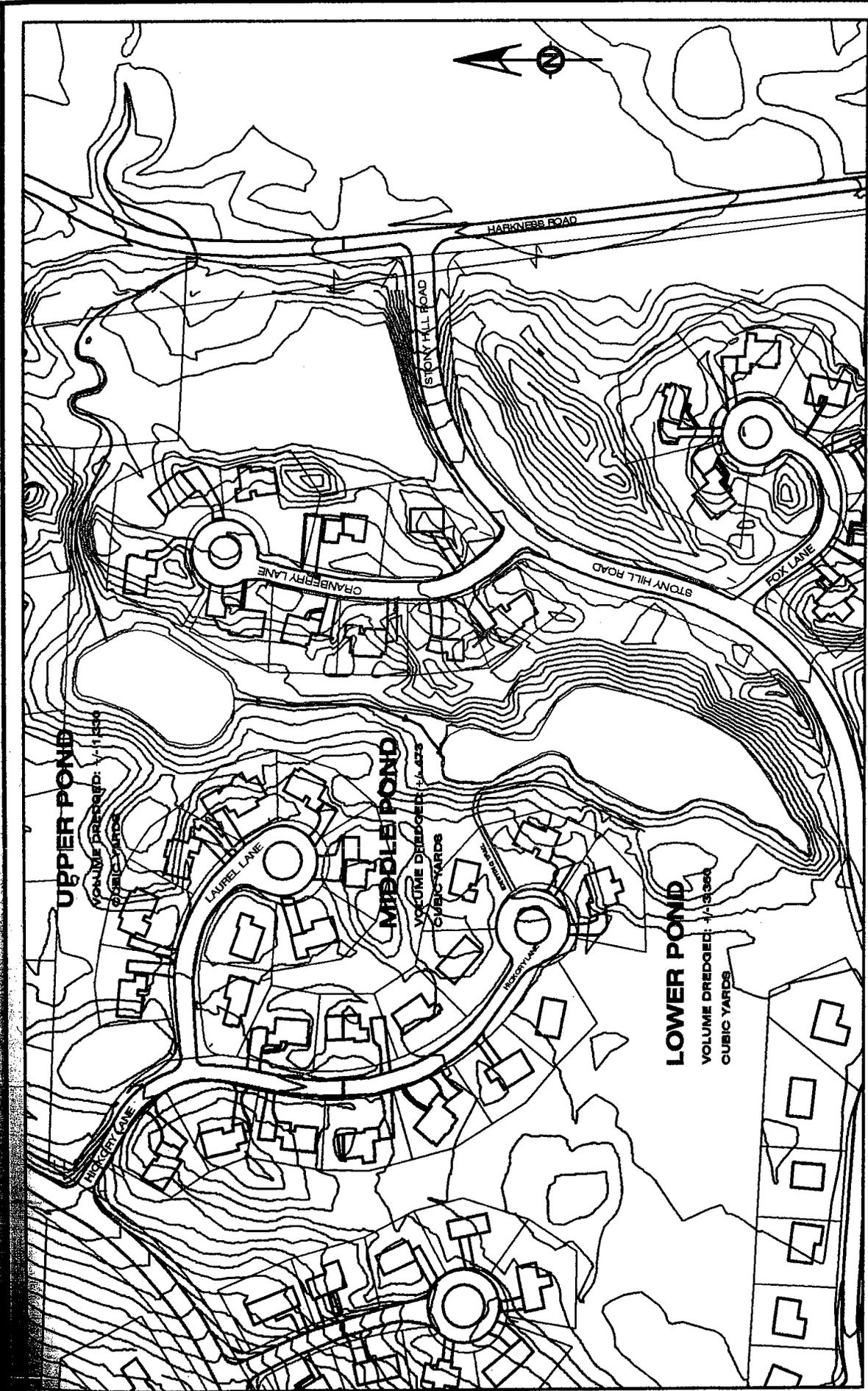
If you would prefer not to continue receiving Public Notices, please contact Ms. Tina Chaisson at (978) 318-8058 or e-mail her at bettina.m.chaisson@usace.army.mil. You may also check here () and return this portion of the Public Notice to: Bettina Chaisson, Regulatory Division, U.S. Army Corps of Engineers, 696 Virginia Road, Concord, MA 01742-2751.

NAME: _____
ADDRESS: _____



Name: BELCHERTOWN
 Date: 4/22/104
 Scale: 1 inch equals 1000 feet

Location: 042° 21' 26.6" N 072° 28' 58.9" W
 Caption: NAE-2004-29
 THE ECHO HILL SOUTH ASSOCIATION
 Sheet 1A of 19 Date 3/1/04



DATE : 3/1/04
 SCALE : 1"=200'
 CHECKED BY: MJM
 DRAFTED BY: GSL
 NEE File # 03-2174

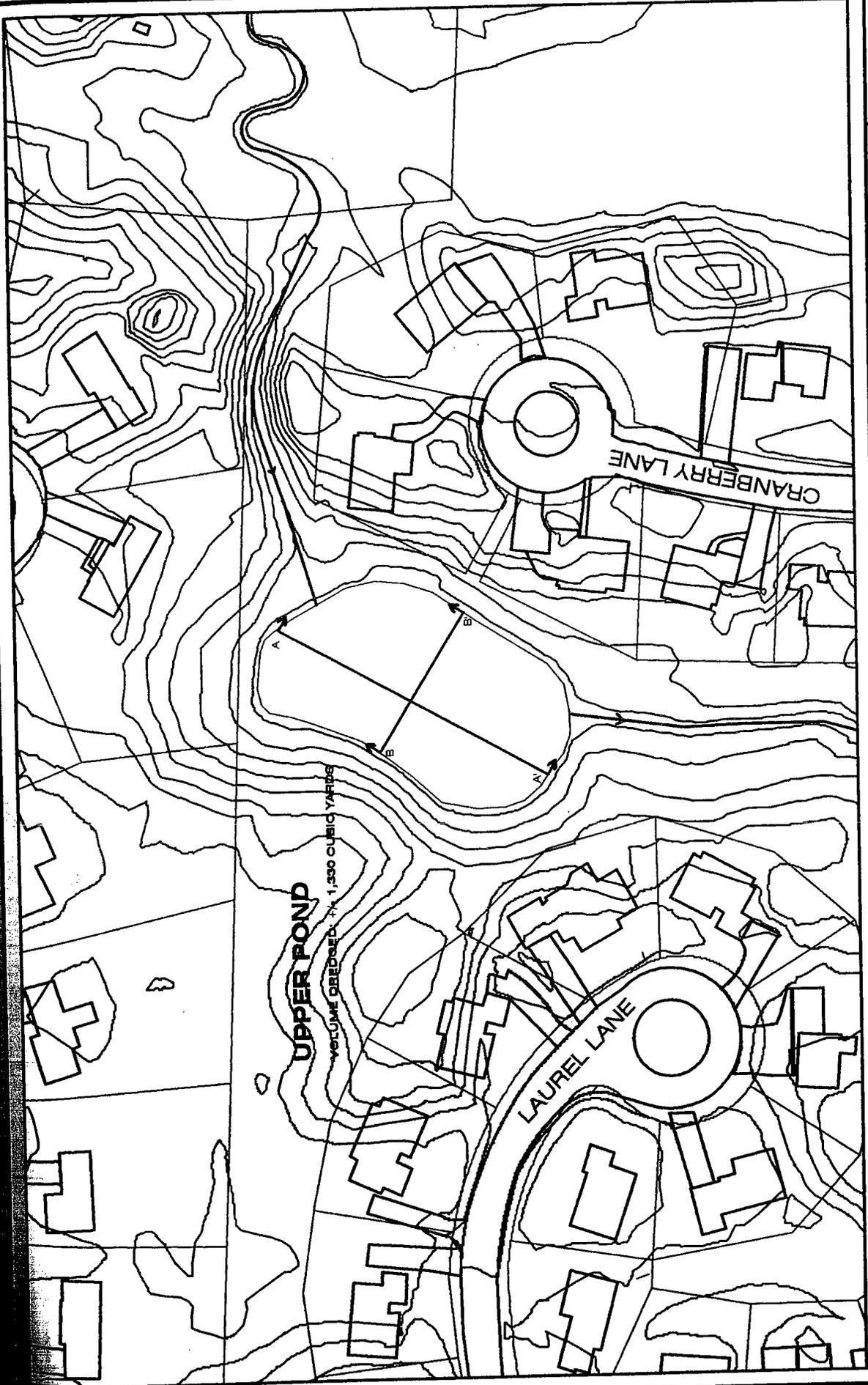
NAE-2004-29
EXISTING CONDITIONS
 POND RESTORATION PLAN
 ECHO HILL SOUTH
 AMHERST, MA

Prepared for:
THE ECHO HILL SOUTH ASSOCIATION
 Base Plan Information Prepared by:
THE TOWN OF AMHERST PLANNING DEPARTMENT

NEW ENGLAND ENVIRONMENTAL, INC.
 ENVIRONMENTAL CONSULTING SERVICES



9 RESEARCH DRIVE
 AMHERST, MA 01002
 TEL: (413) 256 0202
 FAX: (413) 256 1092
 WWW.NEEINC.COM



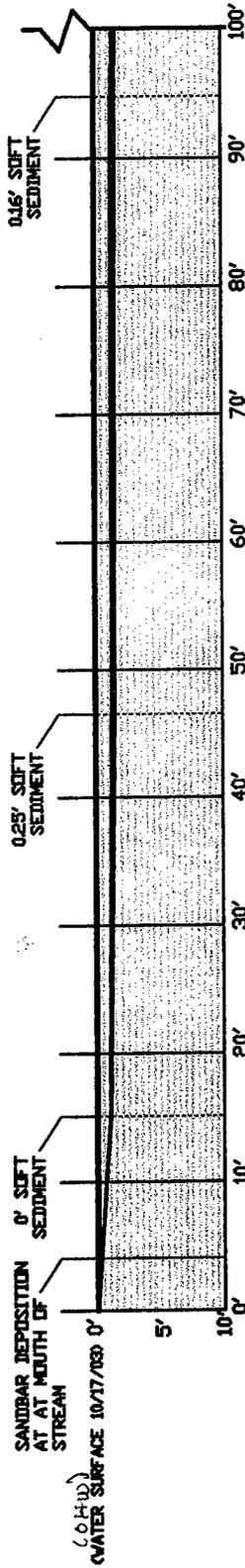
DATE : 3/1/04
 SCALE : 1"=100'
 CHECKED BY: MJM
 DRAFTED BY: GSL
 NEE File # 03-2174

NAE-3004-89
UPPER POND EXISTING CONDITIONS
 POND RESTORATION PLAN
 ECHO HILL SOUTH
 AMHERST, MA

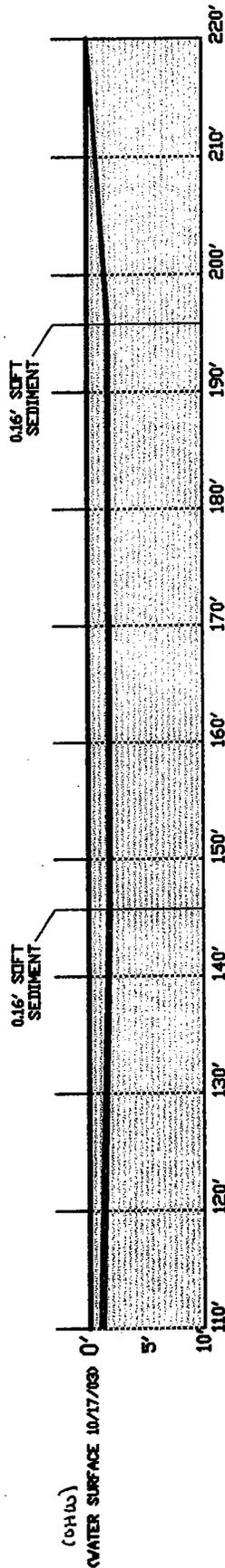
Prepared for:
THE ECHO HILL SOUTH ASSOCIATION
 Base Plan Information Prepared by:
THE TOWN OF AMHERST PLANNING DEPARTMENT

NEW ENGLAND ENVIRONMENTAL, INC.
 ENVIRONMENTAL CONSULTING SERVICES

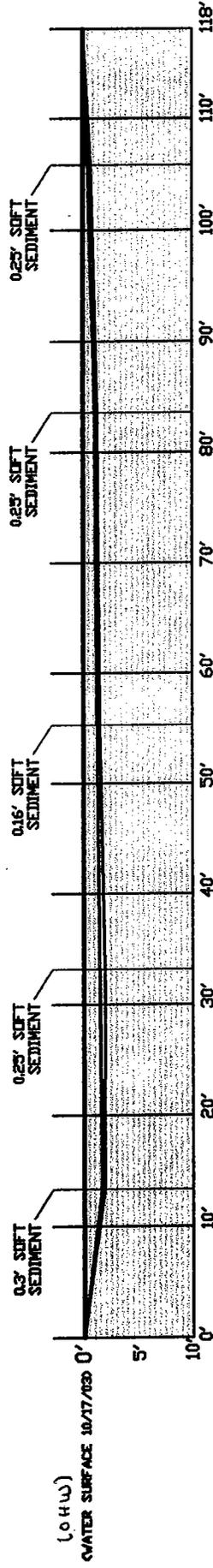
 9 RESEARCH DRIVE
 AMHERST, MA 01002
 TEL: (413) 256 0202
 FAX: (413) 256 1092
 WWW.NEEINC.COM



CROSS SECTION A-A: UPPER POND



CROSS SECTION A-A: UPPER POND (CONTINUED)



CROSS SECTION B-B: UPPER POND

NEW ENGLAND ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTING SERVICES

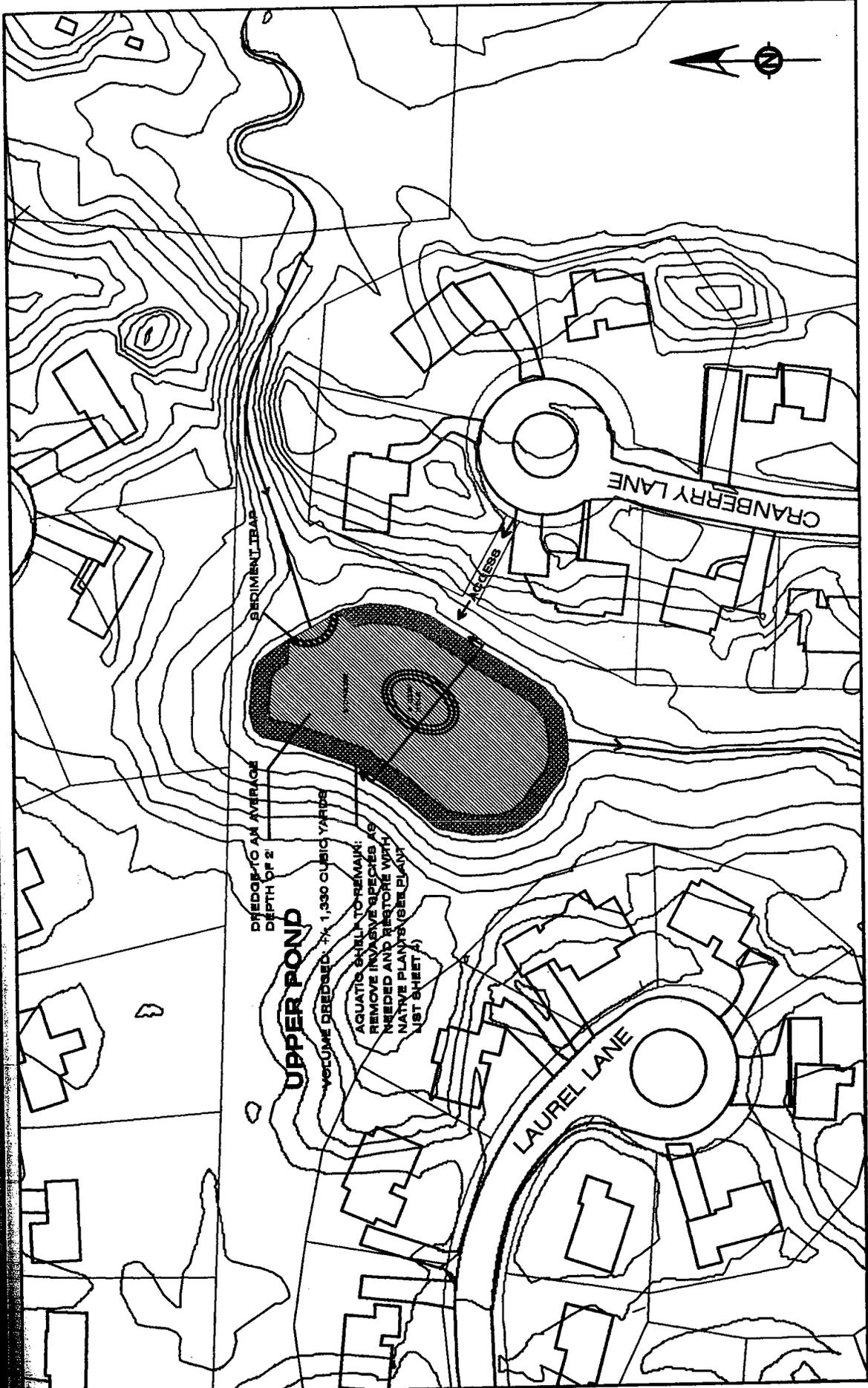
9 RESEARCH DRIVE
AMHERST, MA 01002
TEL: (413) 256 0202
FAX: (413) 256 1092
WWW.NEEINC.COM



Prepared for:
THE ECHO HILL
SOUTH ASSOCIATION
Base Plan Information Prepared by:
THE TOWN OF AMHERST
PLANNING DEPARTMENT

NAE - 2004 - 24
EXISTING CROSS SECTIONS
UPPER POND
POND RESTORATION PLAN
ECHO HILL SOUTH
AMHERST, MA

DATE : 3/1/04
SCALE : nts
CHECKED BY: MJM
DRAFTED BY: GSL
NEE File # 03-2174



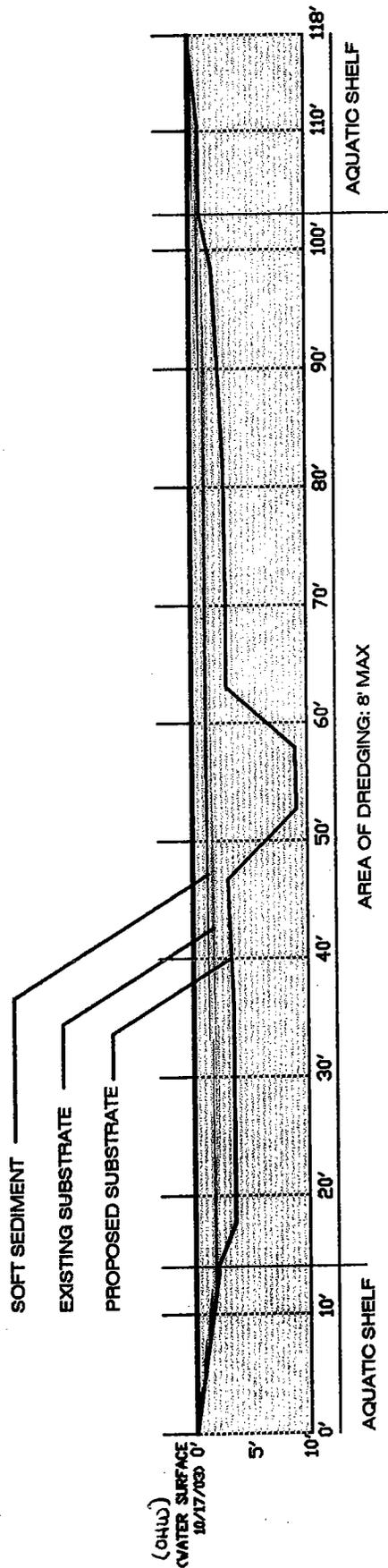
NEW ENGLAND ENVIRONMENTAL, INC.
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 AMHERST, MA 01002
 TEL: (413) 256 0202
 FAX: (413) 256 1092
 WWW.NEEINC.COM

Prepared for:
 THE ECHO HILL
 SOUTH ASSOCIATION
 Base Plan Information Prepared by:
 THE TOWN OF AMHERST
 PLANNING DEPARTMENT

NA6-2004-29
UPPER POND RESTORATION
 POND RESTORATION PLAN
 ECHO HILL SOUTH
 AMHERST, MA

DATE : 3/1/04
 SCALE : 1"=100'
 CHECKED BY: MJM
 DRAFTED BY: GSL
 NEE File # 03-2174
 SHEET
 4 OF 19



PROPOSED RESTORATION: UPPER POND

VOLUME DREDGED: +/- 1330 CUBIC YARDS

LEAVE AQUATIC SHELF AROUND EDGE OF POND. CLEAR AND RESTORE AREA OF SHELF CONTAINING INVASIVE SPECIES (SEE RESTORATION DETAIL AND PLANTING LIST, SHEET 4).

DREDGE INNER POND TO AN AVERAGE DEPTH OF 2.

DREDGE INTERIOR OF POND (DEEP HOLE) TO A MAX DEPTH OF 8.

RESTORE STREAM INLET AND INSTALL STONE VANE.

DREDGED MATERIALS TO BE STORED OFF-SITE.

NEW ENGLAND ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTING SERVICES

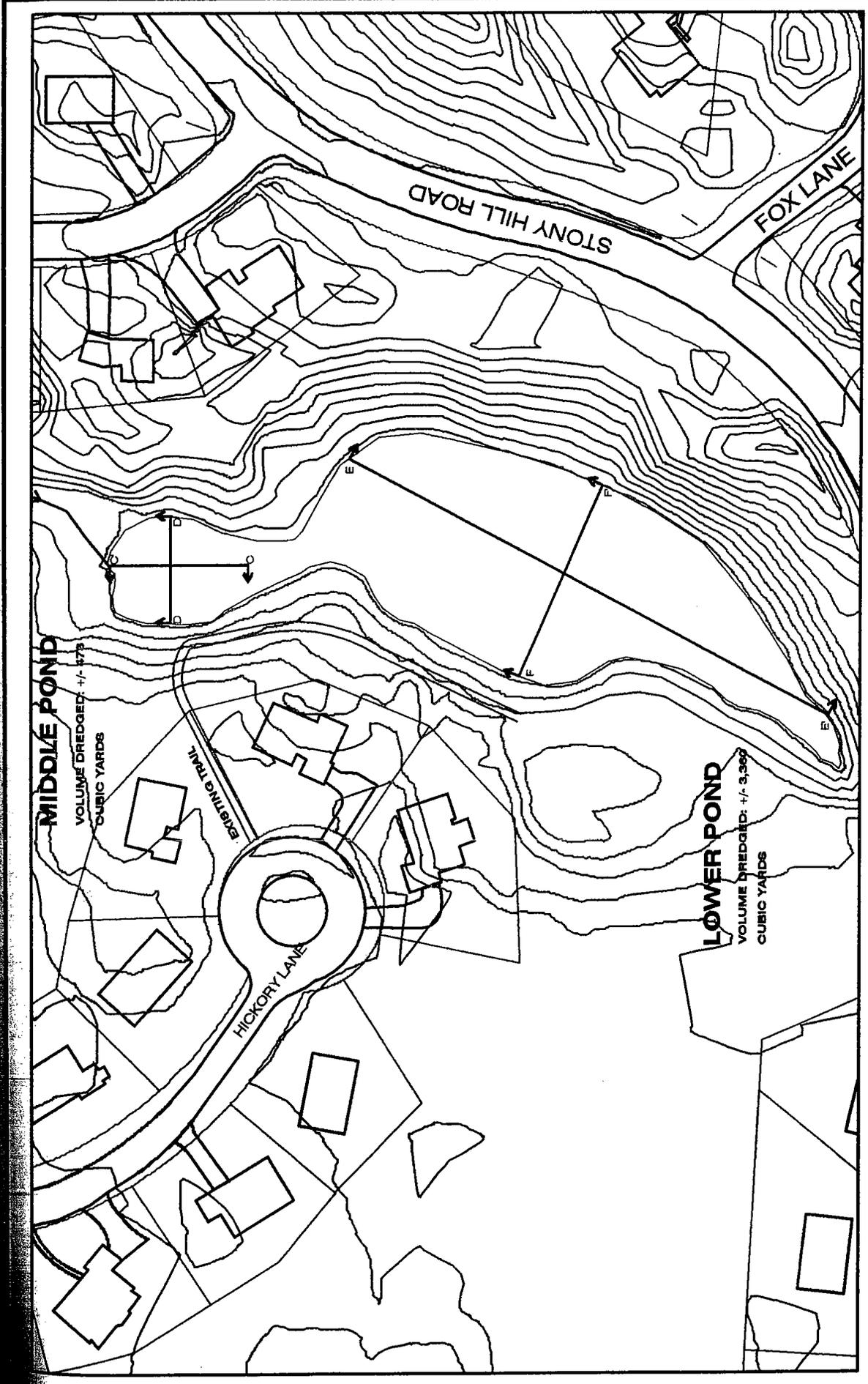


9 RESEARCH DRIVE
AMHERST, MA 01002
TEL: (413) 256 0202
FAX: (413) 256 1092
WWW.NEEINC.COM

Prepared for:
**THE ECHO HILL
SOUTH ASSOCIATION**
Base Plan Information Prepared by:
**THE TOWN OF AMHERST
PLANNING DEPARTMENT**

NAG-2004-89
**UPPER POND PROPOSED
CROSS SECTION**
POND RESTORATION PLAN
ECHO HILL SOUTH
AMHERST, MA

DATE : 3/1/04
SCALE : nts
CHECKED BY: MJM
DRAFTED BY: GSL
NEE File # 03-2174



DATE : 3/1/04
 SCALE : 1"=100'
 CHECKED BY: MJM
 DRAFTED BY: GSL
 NEE File # 03-2174

Prepared for:
 THE ECHO HILL
 SOUTH ASSOCIATION
 Base Plan Information Prepared by:
 THE TOWN OF AMHERST
 PLANNING DEPARTMENT

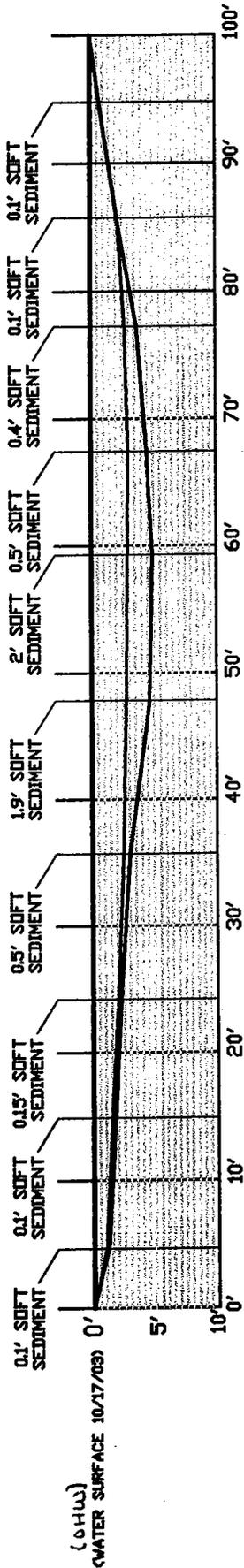
NAG-2004-24
**LOWER AND MIDDLE POND
 EXISTING CONDITIONS**
 POND RESTORATION PLAN
 ECHO HILL SOUTH
 AMHERST, MA

Prepared for:
 THE ECHO HILL
 SOUTH ASSOCIATION
 Base Plan Information Prepared by:
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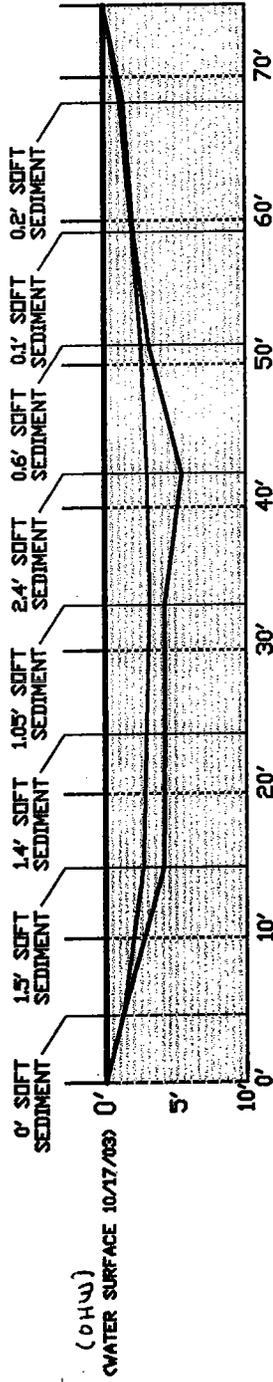
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CROSS SECTION C-C: MIDDLE POND



CROSS SECTION D-D: MIDDLE POND

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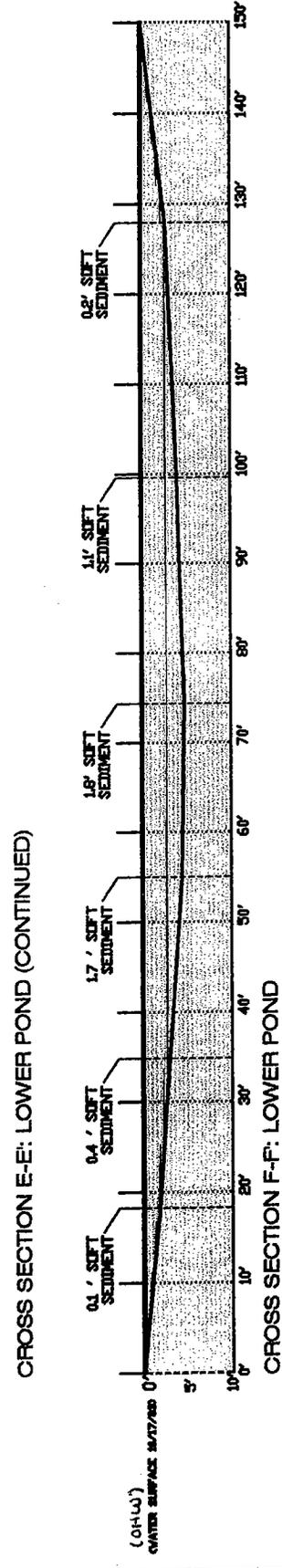
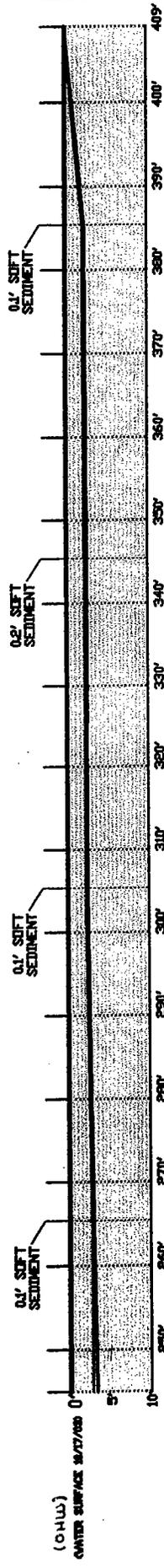
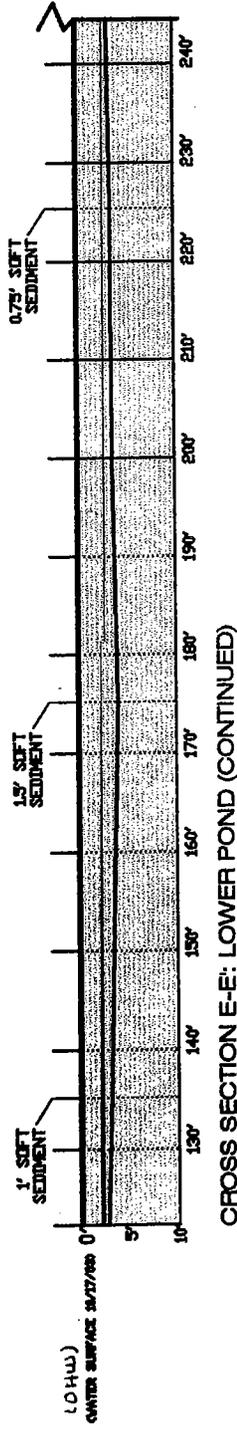
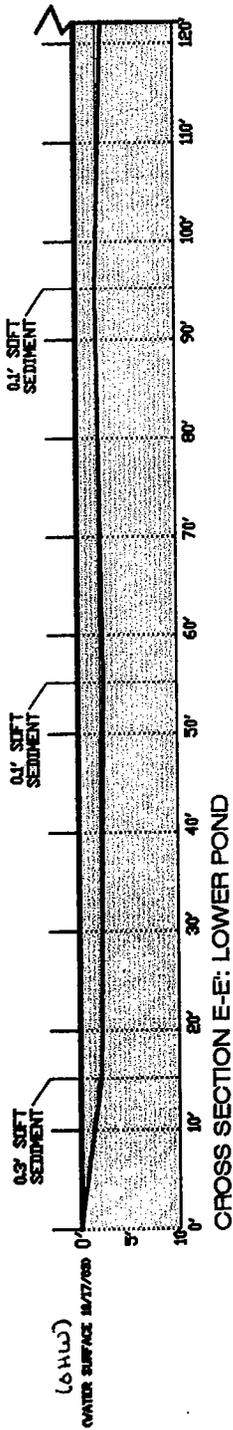


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Prepared for:
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Base Plan Information Prepared by:
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PLANNING DEPARTMENT**

NAE-2004-29
**EXISTING CROSS SECTIONS
MIDDLE POND**
POND RESTORATION PLAN
ECHO HILL SOUTH
AMHERST, MA

DATE : 3/1/04
SCALE : nts
CHECKED BY: MJM
DRAFTED BY: GSL
NEE File # 03-2174



DATE : 3/1/04
SCALE : nts
CHECKED BY: MJM
DRAFTED BY: GSL
SEE FILE # 03-2174

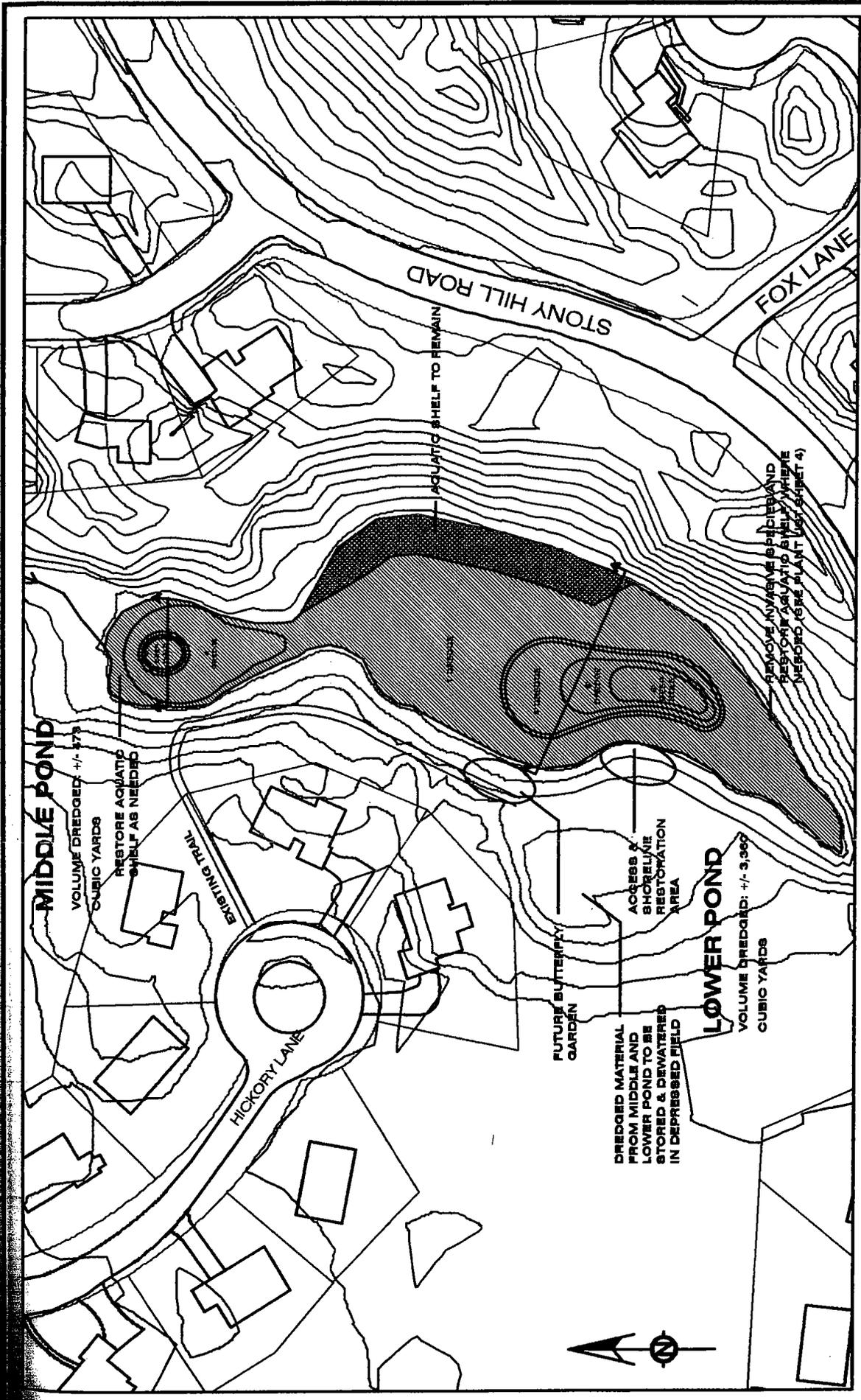
NAC-2004-09
EXISTING CROSS SECTIONS
LOWER POND
POND RESTORATION PLAN
ECHO HILL SOUTH
AMHERST, MA

Prepared for:
THE ECHO HILL
SOUTH ASSOCIATION
Base Plan Information Prepared by:
THE TOWN OF AMHERST
PLANNING DEPARTMENT

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DATE : 3/1/04
 SCALE : 1"=100'
 CHECKED BY: MJM
 DRAFTED BY: GSL
 NEE File # 03-2174

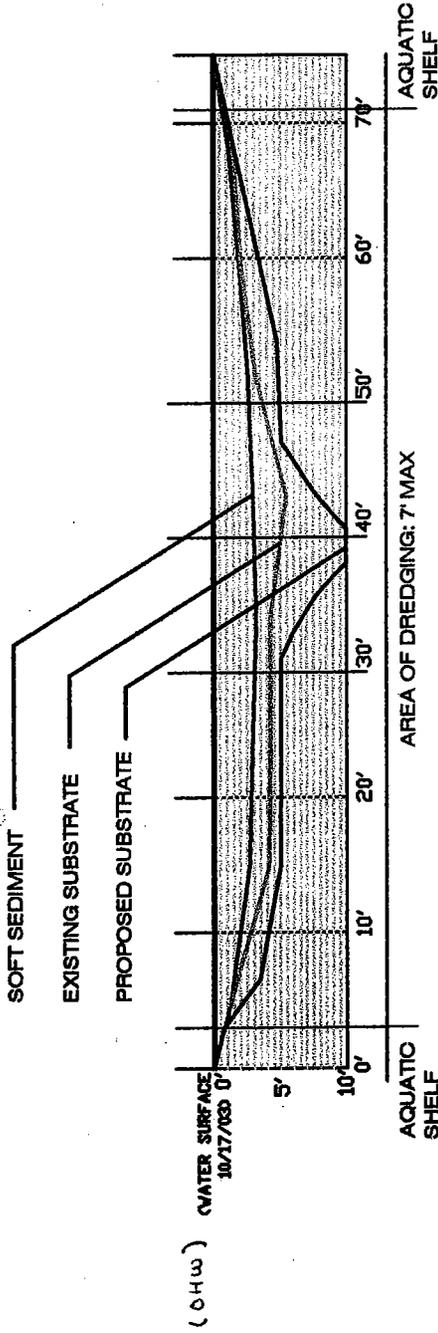
NA6 - 2004 - 24
LOWER AND MIDDLE POND RESTORATION
 POND RESTORATION PLAN
 ECHO HILL SOUTH
 AMHERST, MA

Prepared for:
THE ECHO HILL SOUTH ASSOCIATION
 Base Plan Information Prepared by:
THE TOWN OF AMHERST PLANNING DEPARTMENT

NEW ENGLAND ENVIRONMENTAL, INC.
 ENVIRONMENTAL CONSULTING SERVICES



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PROPOSED RESTORATION: MIDDLE POND

VOLUME DREDGED: +/- 473 CUBIC YARDS

REMOVE REED CANARY GRASS / RESTORE AQUATIC SHELF (SEE RESTORATION DETAIL AND PLANTING LIST, SHEET 4).

INNER POND TO BE DREDGED 2'.

DEEP HOLE TO BE CREATED- 7' DEPTH.

RESTORE / DREDGE FILLED AREA BETWEEN MIDDLE AND LOWER PONDS- DREDGE TO AN AVERAGE DEPTH OF 1'-2'.

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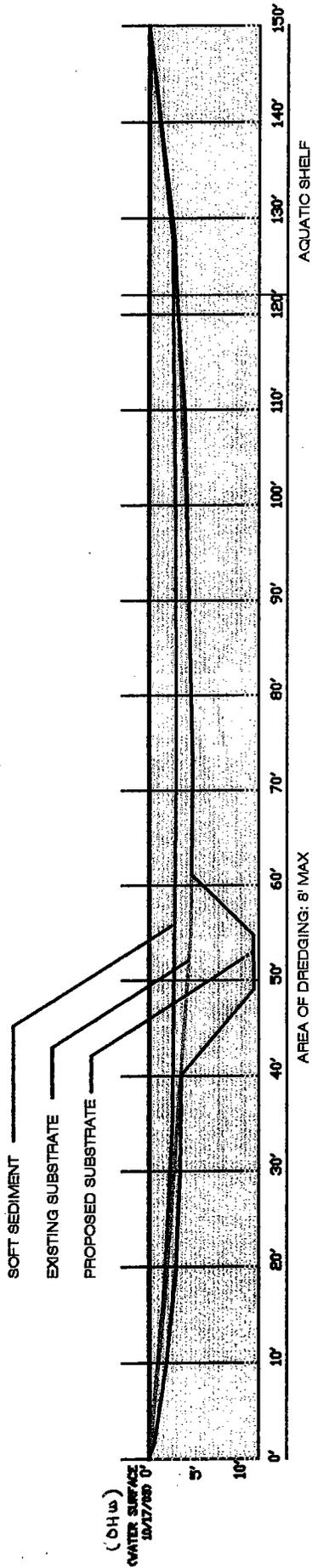


Prepared for:
**THE ECHO HILL
SOUTH ASSOCIATION**
Base Plan Information Prepared by:
**THE TOWN OF AMHERST
PLANNING DEPARTMENT**

NAE-2004-29
**MIDDLE POND PROPOSED
CROSS SECTION**

POND RESTORATION PLAN
ECHO HILL SOUTH
AMHERST, MA

DATE : 3/1/04
SCALE : nts
CHECKED BY: MJM
DRAFTED BY: GSL
NEE File # 03-2174



PROPOSED RESTORATION: LOWER POND

VOLUME DREDGED: +/- 3,360 CUBIC YARDS

LEAVE AQUATIC SHELF ON EASTERN EDGE UNDISTURBED.

CLEAR AND RESTORE AREAS OF SHELF CONTAINING INVASIVE SPECIES (SEE RESTORATION DETAIL AND PLANTING LIST, SHEET 4).

LARGE PORTION OF DREDGING SHALL BE AN AVERAGE DEPTH OF 1'

DREDGE INNER POND WITH A MAX DEPTH OF 8'

NEW ENGLAND ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTING SERVICES



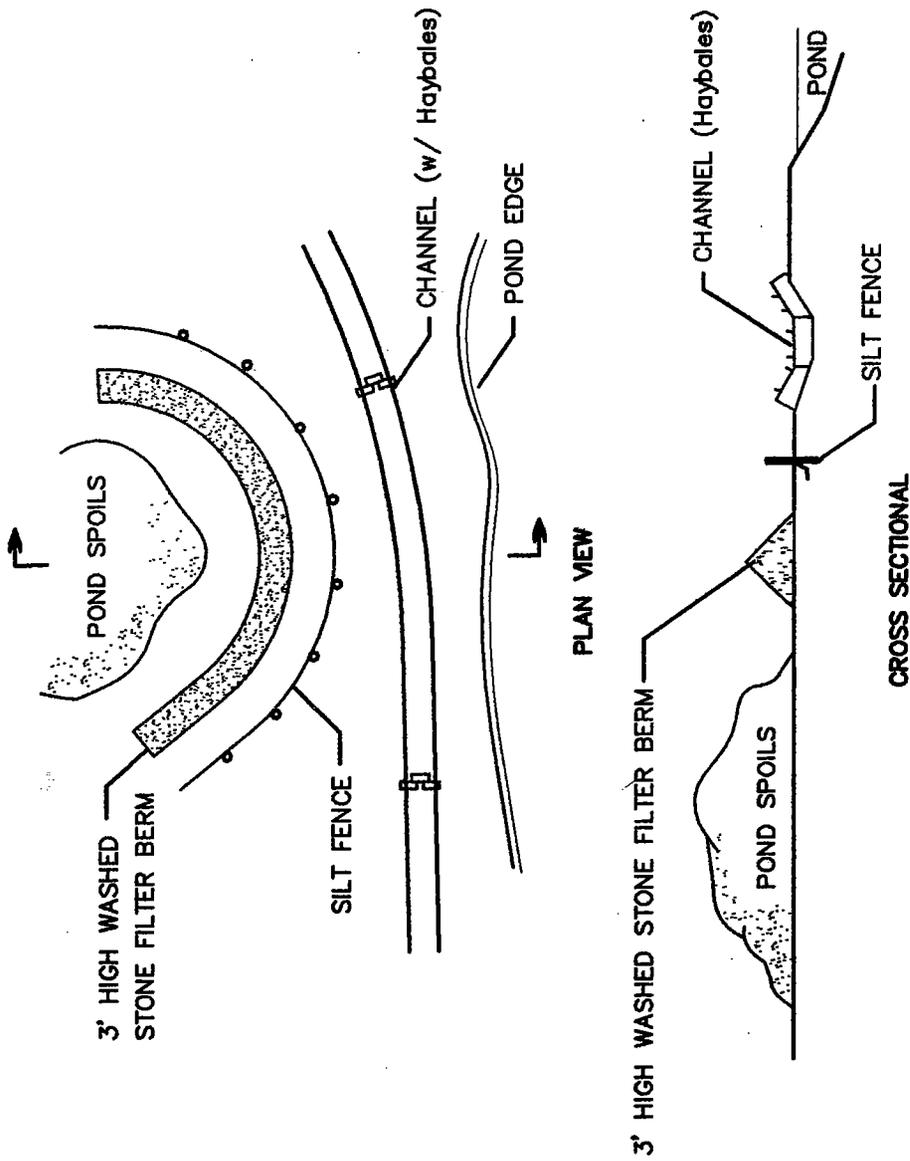
9 RESEARCH DRIVE
AMHERST, MA 01002
TEL: (413) 256 0202
FAX: (413) 256 1092
WWW.NEEINC.COM

Prepared for:
**THE ECHO HILL
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Base Plan Information Prepared by:
**THE TOWN OF AMHERST
PLANNING DEPARTMENT**

**NAE - 3004-34
LOWER POND PROPOSED
CROSS SECTION**

POND RESTORATION PLAN
ECHO HILL SOUTH
AMHERST, MA

DATE : 3/1/04
SCALE : nts
CHECKED BY: MJM
DRAFTED BY: GSL
NEE File # 03-2174



TYPICAL DEWATERING SITE OF POND SPOILS:

NTS

NEW ENGLAND ENVIRONMENTAL, INC.
 ENVIRONMENTAL CONSULTING SERVICES

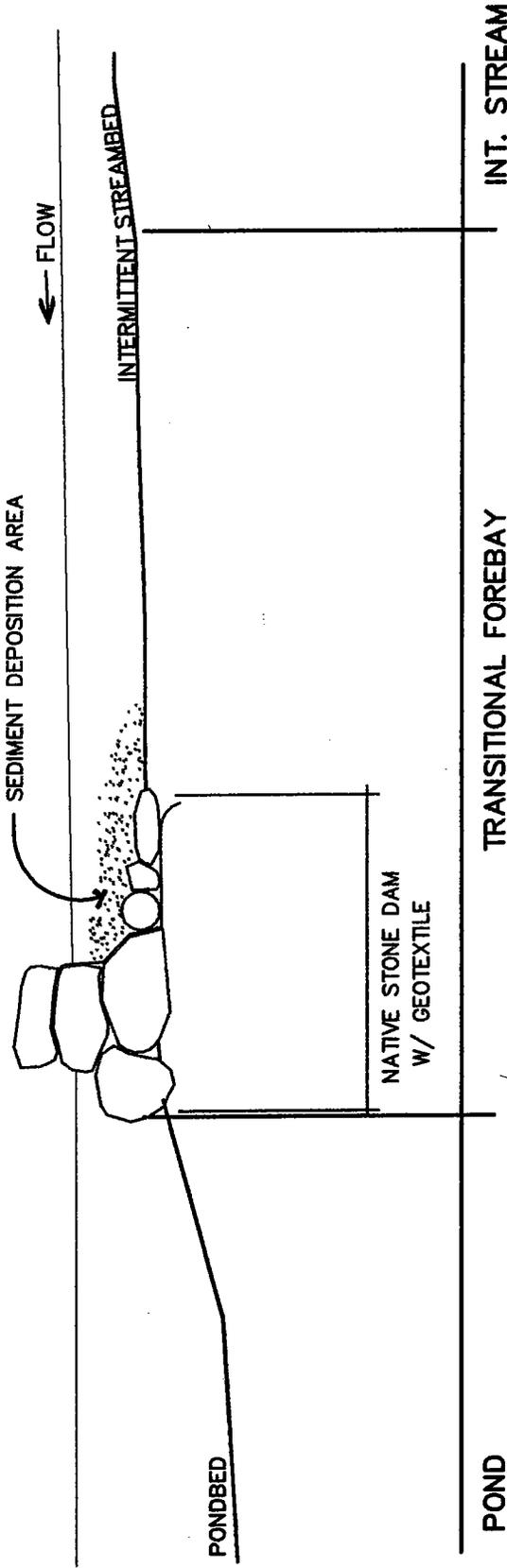


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Prepared for:
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NAE-2004-29
DETAILS AND NOTES
 DEWATERING SITE
 POND RESTORATION PLAN
 ECHO HILL SOUTH
 AMHERST, MA

DATE : 3/1/04
 SCALE : nts
 CHECKED BY: MJM
 DRAFTED BY: GSL
 NEE File # 03-2174



TYPICAL DETAIL OF TRANSITIONAL FOREBAY:

SEDIMENT TRAP

NEW ENGLAND ENVIRONMENTAL, INC.
 ENVIRONMENTAL CONSULTING SERVICES

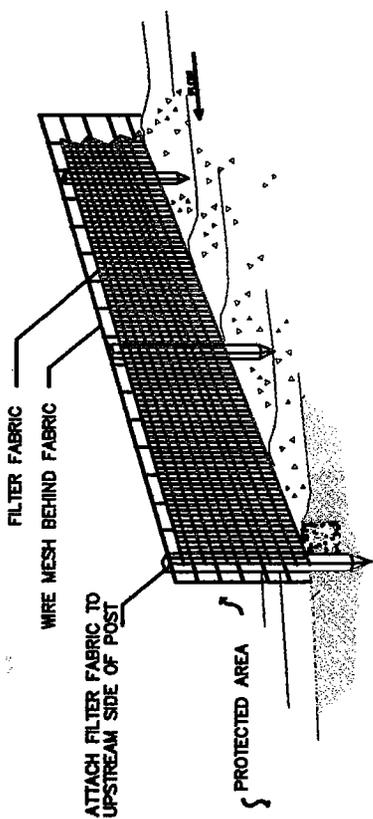


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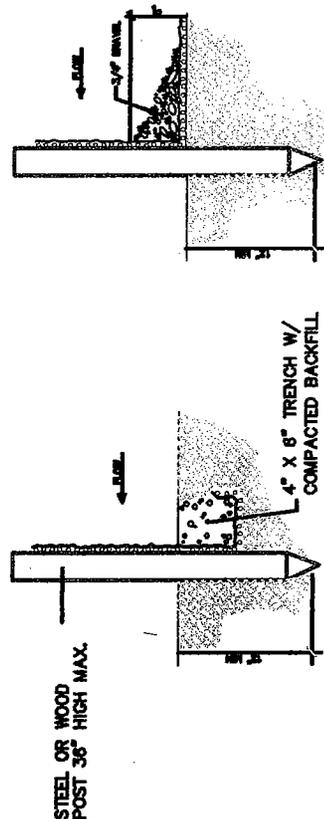
Prepared for:
 THE ECHO HILL
 SOUTH ASSOCIATION
 Base Plan Information Prepared by:
 THE TOWN OF AMHERST
 PLANNING DEPARTMENT

NAB-2004-89
DETAILS AND NOTES
SEDIMENT TRAP
 POND RESTORATION PLAN
 ECHO HILL SOUTH
 AMHERST, MA

DATE : 3/1/04
 SCALE : nts
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 DRAFTED BY: GSL
 NEE File # 03-2174



IN-STREAM SILT FENCE (IF NEEDED)



TRENCH DETAIL

INSTALLATION WITHOUT TRENCHING

TYPICAL SILT FENCE DETAIL:

NTS

NEW ENGLAND ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTING SERVICES

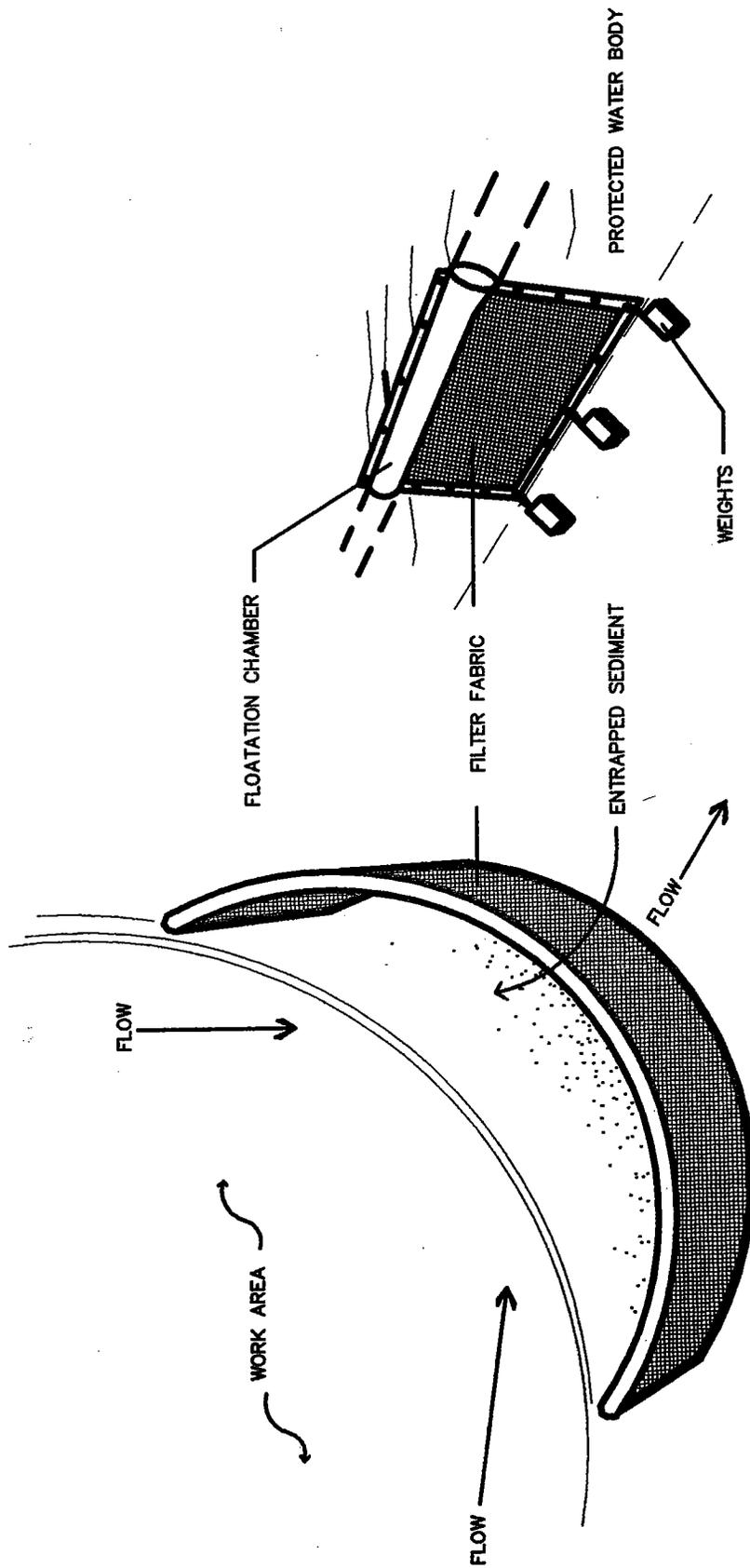


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NAE-2004-29
DETAILS AND NOTES
SILT FENCE
POND RESTORATION PLAN
ECHO HILL SOUTH
AMHERST, MA

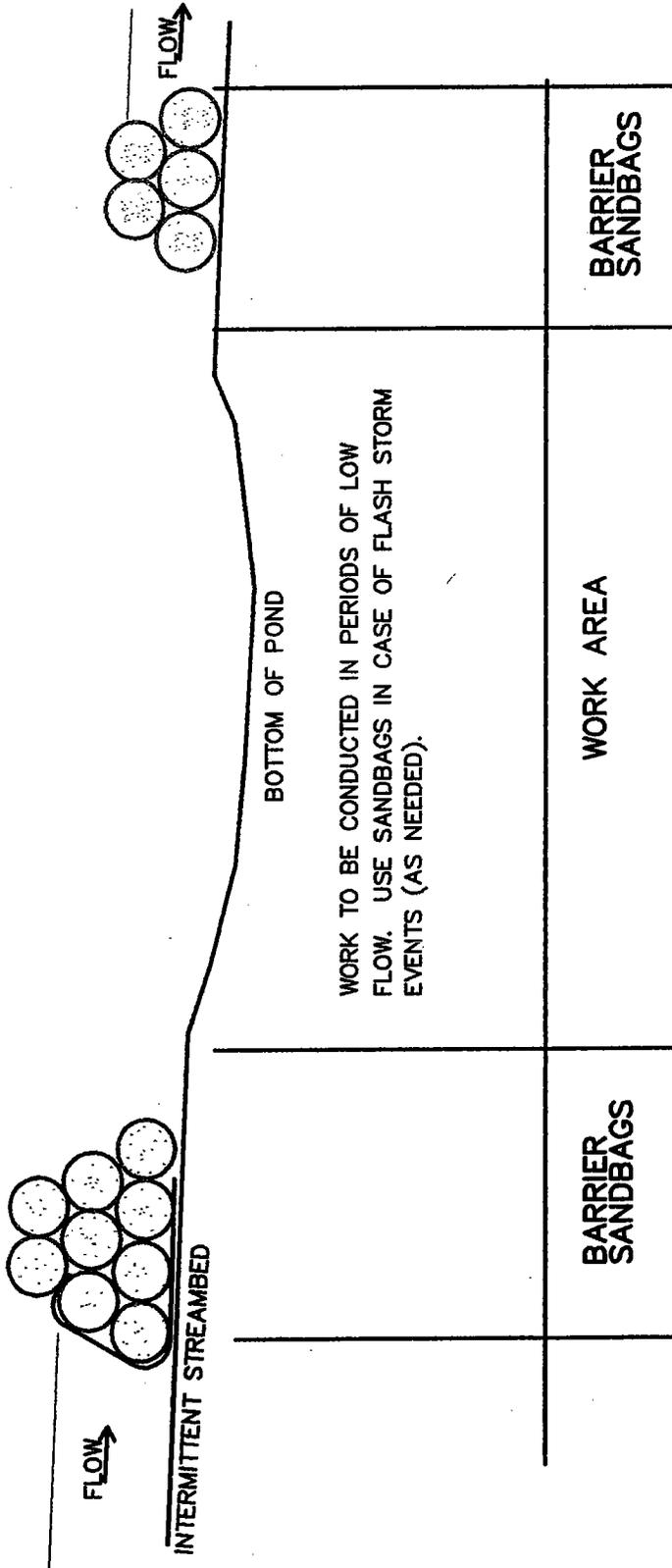
DATE : 3/1/04
SCALE : NTS
CHECKED BY: MJM
DRAFTED BY: GSL
NEE File # 03-2174



TYPICAL TURBIDITY CURTAIN DETAIL:

FOR IN WATER SEDIMENT CONTROL

<p>DATE : 3/1/04 SCALE : nts CHECKED BY: MJM DRAFTED BY: GSL NEE File # 03-2174</p>	<p>NAE-2004-29 DETAILS AND NOTES TURBIDITY CURTAIN POND RESTORATION PLAN ECHO HILL SOUTH AMHERST, MA</p>	<p>Prepared for: THE ECHO HILL SOUTH ASSOCIATION Base Plan Information Prepared by: THE TOWN OF AMHERST PLANNING DEPARTMENT</p>	<p>NEW ENGLAND ENVIRONMENTAL, INC. ENVIRONMENTAL CONSULTING SERVICES</p>  <p>9 RESEARCH DRIVE AMHERST, MA 01002 TEL: (413) 256 0202 FAX: (413) 256 1092 WWW.NEEINC.COM</p>
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WORK TO BE CONDUCTED IN PERIODS OF LOW FLOW. USE SANDBAGS IN CASE OF FLASH STORM EVENTS (AS NEEDED).

TYPICAL SANDBAG BARRIER DETAIL:

FOR IN WATER SEDIMENT CONTROL

NEW ENGLAND ENVIRONMENTAL, INC.
 ENVIRONMENTAL CONSULTING SERVICES
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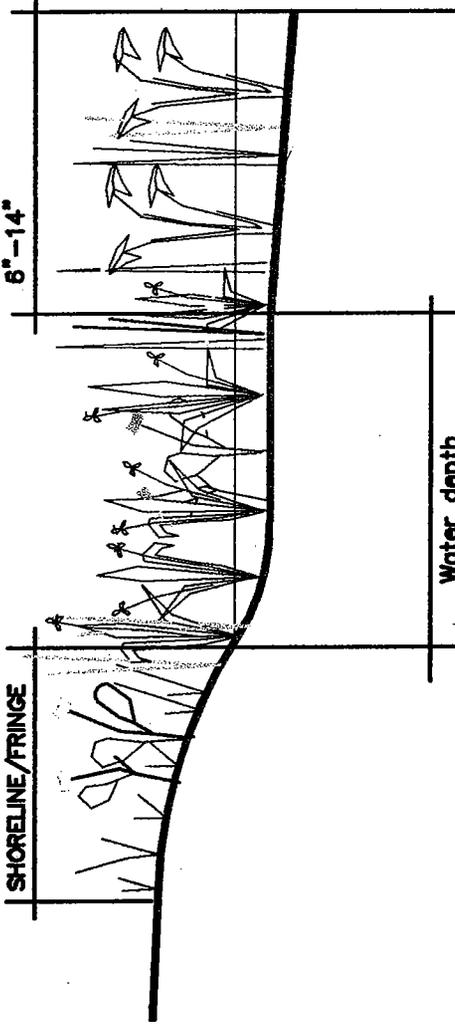
NAE-2004-89
DETAILS AND NOTES
SANDBAG BARRIER
 POND RESTORATION PLAN
 ECHO HILL SOUTH
 AMHERST, MA

DATE : 3/1/04
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 NEE File # 03-2174

TURTLEHEAD
 MONKEYFLOWER
 CARDINAL FLOWER
 Seed Mix

WATER DEPTH
 SHORELINE/FRINGE

WATER DEPTH
 6" - 14"



Water depth
 0" - 6"
 BLUE FLAG IRIS
 SWEETFLAG
 WATER PLANTAIN

TYPICAL AQUATIC SHELF RESTORATION DETAIL:

NTS

NEW ENGLAND ENVIRONMENTAL, INC.
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 PLANNING DEPARTMENT

NAE - 2004 - 21
DETAILS AND NOTES
AQUATIC SHELF RESTORATION
 POND RESTORATION PLAN
 ECHO HILL SOUTH
 AMHERST, MA

DATE : 3/1/04
 SCALE : nts
 CHECKED BY: MJM
 DRAFTED BY: GSL
 NEE File # 03-2174

SHEET
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SHORELINE RESTORATION PLANT LIST: Access Areas and Disturbed Aquatic Shelf

SYM	COMMON NAME	SCIENTIFIC NAME	QTY	SPACING	SIZE	GROUPING	DEPTH
LC	Cardinal Flower	Lobelia cardinalis	50	2' on center	plugs	5/7	fringe
CG	Turtlehead	Chelone glabra	50	2' o.c.	plugs	5/7	fringe
MR	Monkeyflower	Mimulus ringens	50	2' o.c.	plugs	5/7	fringe
IV	Blue Flag Iris	Iris versicolor	50	2' o.c.	plugs	10	0"-6"
AP	Water Plantain	Alisma plantago-aquatica	50	2' o.c.	plugs	10	0"-6"
SV	Soft-stem Bulrush	Scirpus validus	25	2' o.c.	b. root	10	6"-14"
SA	Hard-stem Bulrush	Scirpus acutus	25	2' o.c.	b. root	10	6"-14"
PC	Pickersweed	Pontederia cordata	25	2' o.c.	b. root	10	6"-14"
New England Conservation / Wildlife See Mix			3 lb.	(areas of disturbed bank)			

SPECIES	PERCENT
Big Bluestem (Andropogon gerardii)	20
Little Bluestem (Schizachyrium scoparium)	20
Switchgrass (Panicum virgatum)	20
Fox Sedge (Carex vulpinoidea)	10
Silky Wild Rye (Elymus villosus)	8
Common Milkweed (Asclepias syriaca)	5
Deertongue (Panicum clandestinum)	5
Pennsylvania Smartweed (Polygonum pennsylvanicum)	5
Partridge Pea (Chamaecrista fasciculata)	4
Silky Smooth Aster (Aster laevis)	1.5
Nodding Bur-Marigold (Bidens cernua)	1
Flat-top Aster (Aster umbellatus)	0.5
TOTAL	100

NEW ENGLAND ENVIRONMENTAL, INC.
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Prepared for:
THE ECHO HILL
SOUTH ASSOCIATION
Base Plan Information Prepared by:
THE TOWN OF AMHERST
PLANNING DEPARTMENT

NAE-2004-29
DETAILS AND NOTES
RESTORATION PLANT LIST
POND RESTORATION PLAN
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General Notes

1. Permits: No work will begin until all local, state and federal environmental permits have been obtained. The contractor is expected to be aware of and comply with all permits and permit conditions.
2. Special Note: The Contractor shall contact, at least 72 hours prior to construction, Dig Safe, Amherst Public Works and Engineering Departments, and the Electric and Telephone Utility Service Provider to verify the locations of existing utilities prior to starting construction. The Contractor is cautioned to proceed with care.
3. To minimize sedimentation and maximize construction efficiency, work shall be conducted during periods of no flow.
4. The erosion control measures shown on the plan and detail sheets and as outlined below are considered the minimum required. It is the responsibility of the Contractor to install additional measures as necessary during construction to control erosion and sedimentation.
5. Erosion control measures shall be periodically inspected during the life of the project and after each storm event. Sediment shall be removed and repairs made as needed or directed. Sediment shall be disposed of in a secure location to prevent siltation of wetlands and waterways.
6. The access to the upper pond is located on the eastern edge, through the existing right of way. Access for the middle and lower ponds shall be on the western edge of the lower pond, through the existing trail. This access point will serve both the lower pond and middle ponds.
7. Dredge material from the upper pond shall be removed off-site. Dredge material from the lower and middle ponds shall be temporarily stockpiled in a natural depression to the west of the lower pond to dewater, then moved offsite. The open field west of the lower pond may also be used for dewatering the sediments.
8. Depths of the various ponds are shown on sheet 3.
9. All areas of Reed Canary grass are to be cleared. Upon removal of invasives, disturbed areas are to be restored / replanted with native aquatic vegetation (see detail and plant lists).
10. All access areas are to be rebuilt / restored. Disturbed access areas shall be replanted with native aquatic vegetation and have its upper banks seeded with New England Conservation / Wildlife Seed Mix.

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