



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

PUBLIC NOTICE

8 Carmichael Street, Suite 205
Essex Junction, Vermont 05452

Date: June 26, 2007
Comment Period Ends: July 26, 2007
File Number: NAE-2006-1194
In Reply Refer To: Marty Lefebvre
Or by e-mail: Martha.a.lefebvre@usace.army.mil

The District Engineer has received a permit application from the applicant below to **conduct work in waters of the United States** as described below. The Corps is soliciting comments on both the project itself and the range of issues to be addressed in the environmental documentation.

APPLICANT

Champlain Water District, ATTN: James Fay, 403 Queen City Park Road, South Burlington, Vermont 05403

ACTIVITY

Install a 2700' long, 42" dia. potable water intake parallel to an existing 28" dia. intake in Lake Champlain off Red Rocks Park in South Burlington, Vermont. The HDPE intake pipe will extend about 2700' beyond Ordinary High Water (OHW) and will end at a new intake structure at a depth of about -75' OLW. A 10" dia. HDPE containment pipe will be attached to the 42" dia. pipe to hold a bundle of six 1" and one 2" HDPE carrier pipes. These will provide raw water sampling to shore, zebra mussel chemical feed capability to the intake, and electrical cable containment to a thermocline monitoring instrument string to be installed near the new intake structure. The landward portion of the intake pipe will be buried, daylighting at about 300' beyond OHW. Excavation will extend an addition 200' beyond the buried section to allow for a smooth transition. A total of about 1300 cy of material will be excavated from an 8400 sq. ft. (0.193 acre) area. This material will be stockpiled alongside the trench, temporarily impacting another 8400 sq. ft. (0.193 acre) of lake bottom. The excavated material will be used to backfill the trench.

The pipeline will be assembled at the Town of Shelburne's "Shelburne Bay Park", located at the south end of Shelburne Bay, about 3 miles south-southwest from the installation site. The applicant proposes to assemble the pipeline onshore, using a rail system to convey the pipe to the lake. The rail system will cross a wetland adjacent to the lake and will temporarily impact about 9600 sq. ft. (0.22 acre) of wetland. The rail system will extend about 20' beyond OHW. The pipeline will be extended into the lake incrementally, eventually extending 2700' beyond OHW. Assembly will take 30-45 days to complete. The lakeward end of the fully assembled pipe will be located about 1670' from the west shore of the bay and about 2500' from the east shore of the bay. The pipeline will then be floated to its proposed permanent location and sunk.

The purpose of the project is to augment the existing lake water supply to the Peter L. Jacob Water Treatment Facility.

The work is described on the enclosed plans, in eight sheets, entitled "SOUTH BURLINGTON VERMONT CHAMPLAIN WATER DISTRICT CONTRACT 80 PARALLEL LAKE WATER INTAKE", dated "6-12-07" and "1/25/07".

WATERWAY AND LOCATION OF THE PROPOSED WORK

This work is proposed in Lake Champlain and an adjacent wetland in South Burlington and Shelburne, Vermont. The project is located on the USGS Burlington, VT quadrangle sheet. The installation site is at UTM coordinates 4922459.0 N and 641377.0 E. The staging/assembly area is at UTM coordinates 4917709.0 N and 640407.0 E

AUTHORITY

Permits are required pursuant to:

- Section 10 of the Rivers and Harbors Act of 1899
- Section 404 of the Clean Water Act
- Section 103 of the Marine Protection, Research and Sanctuaries Act).

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.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

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.

SECTION 106 COORDINATION

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 fulfil requirements under Section 106 of the National Historic Preservation Act of 1966, as amended, will be ongoing as part of the permit review process.

ENDANGERED SPECIES CONSULTATION

The New England District, Army Corps of Engineers has reviewed the list of species protected under the Endangered Species Act of 1973, as amended, which might occur at the proposed project site during the construction and subsequent operation/use period sought by the applicant. We have undertaken a Biological Assessment (BA) of the potential for interactions and adverse impacts to those listed species. It is our determination that the proposed activity for which authorization is being sought is designed, situated or will be operated/used in such a manner that it is not likely to adversely affect any Federally listed endangered or threatened species or their designated critical habitat. By this Public Notice, we are requesting that the appropriate Federal Agency concur with our BA determination.

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

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

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 Marty Lefebvre at (802) 872-2893.

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.

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.

For more information on the New England District Corps of Engineers programs, visit our website at <http://www.nae.usace.army.mil>.

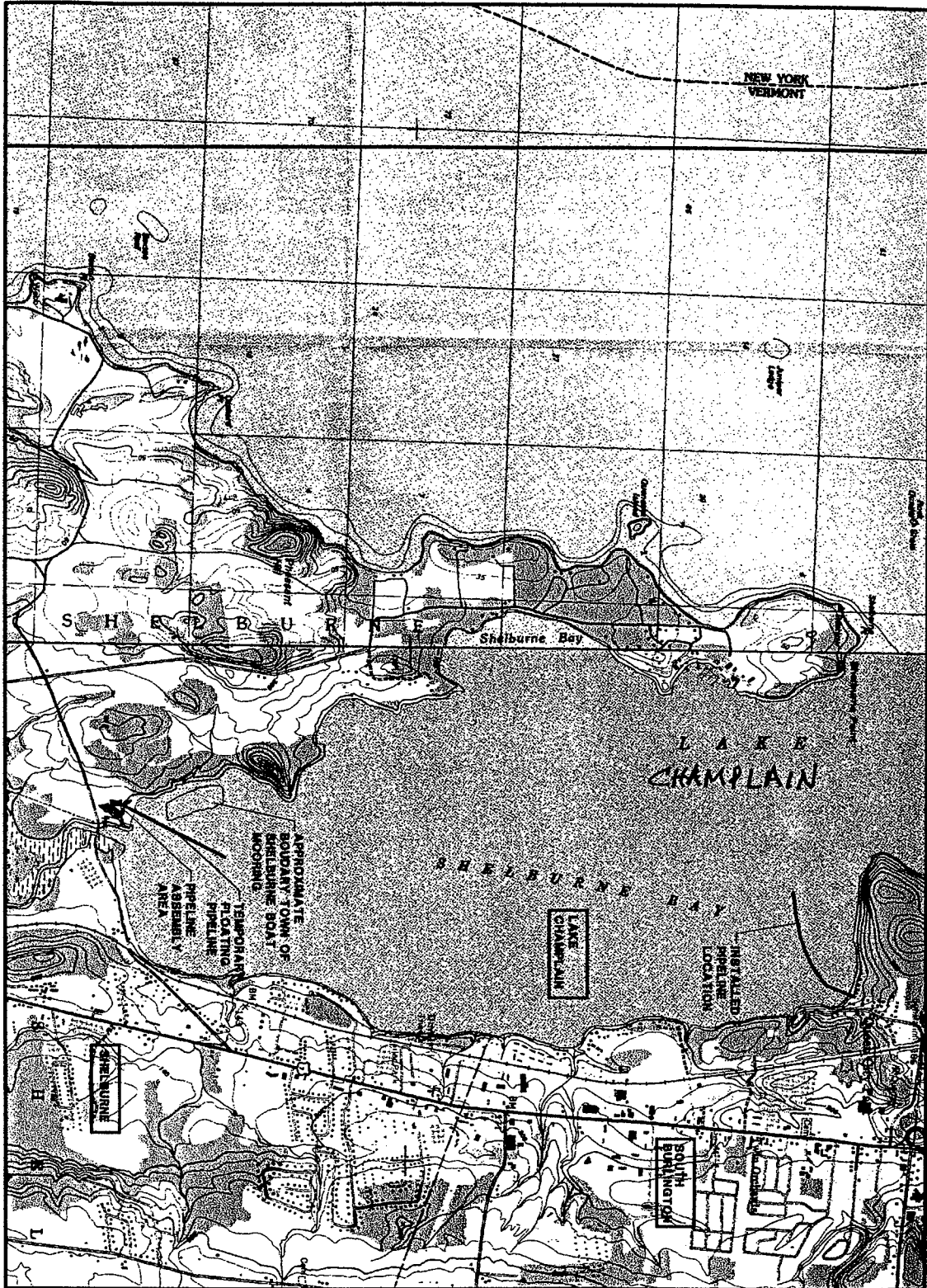
THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.

Frank DelGiudice
Chief, Permits and Enforcement Branch
Regulatory Division

CENAE-R
FILE NO. NAE-2006-1194

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.

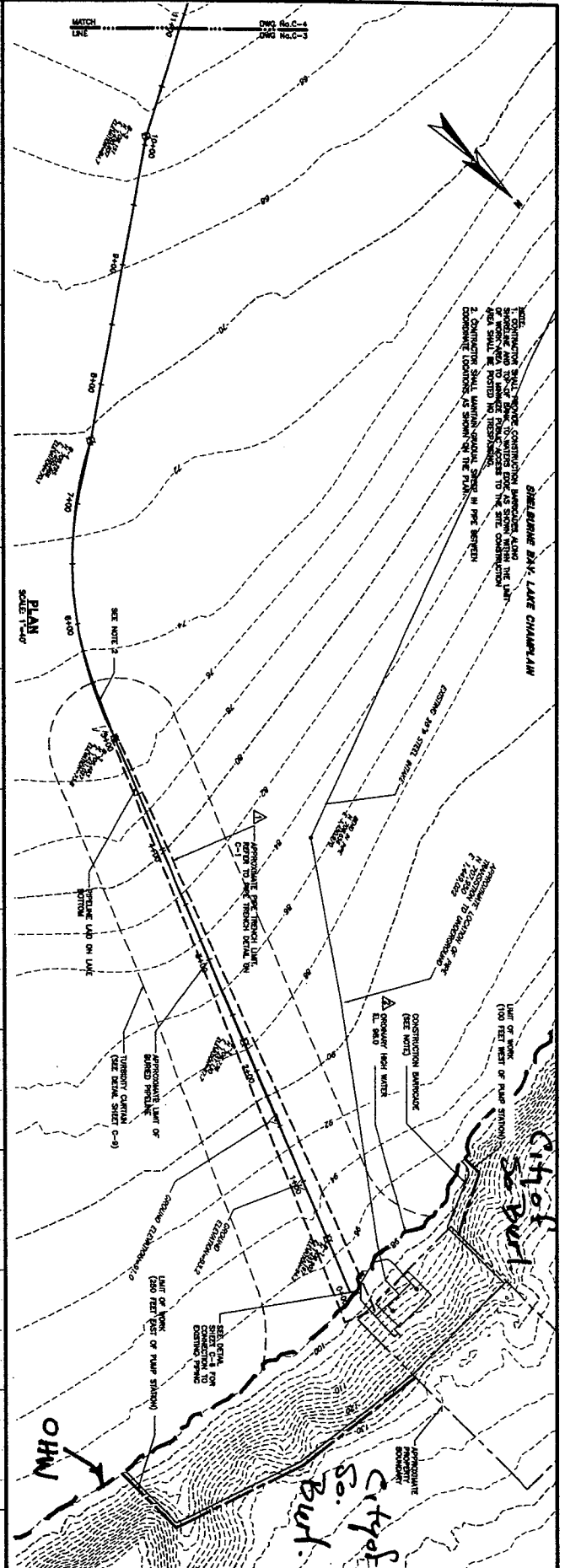
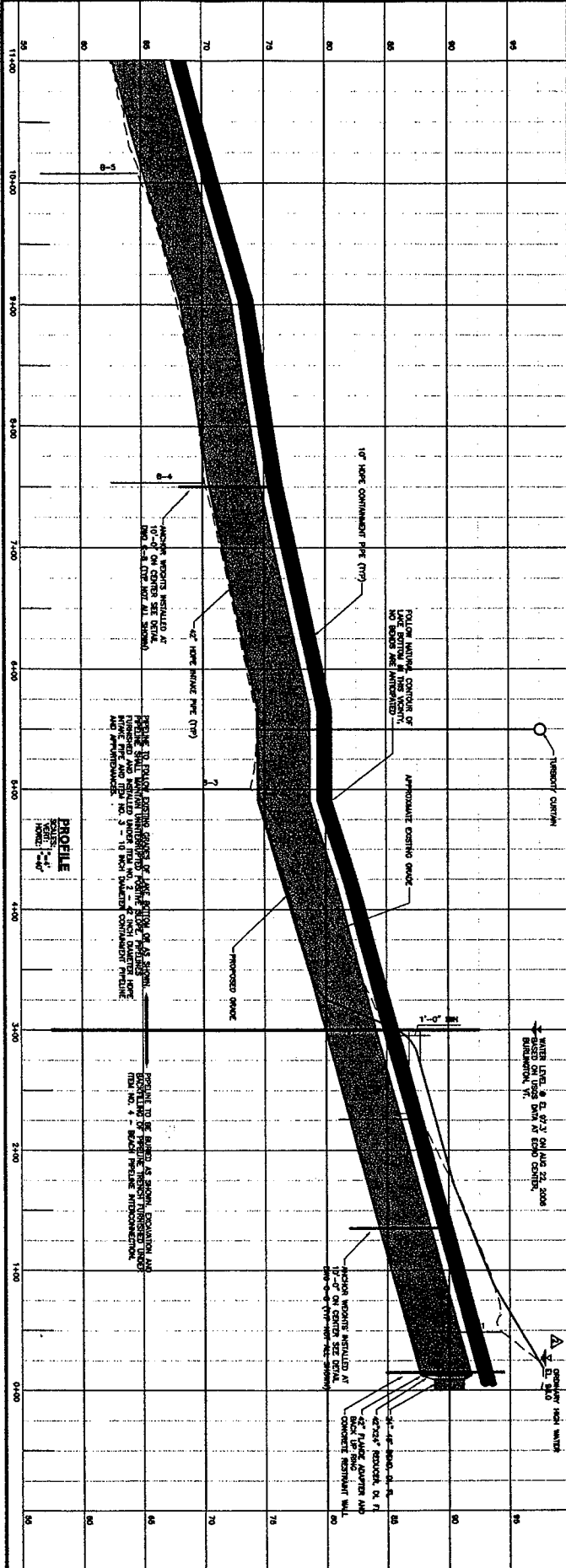
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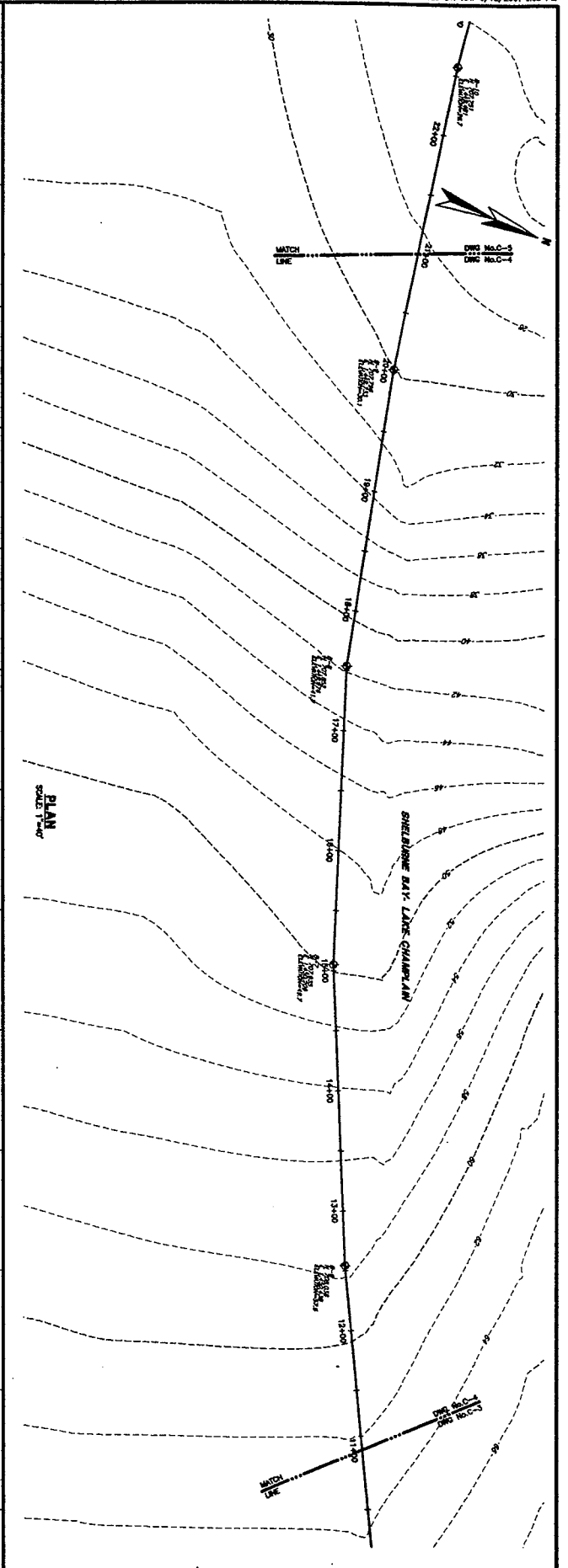
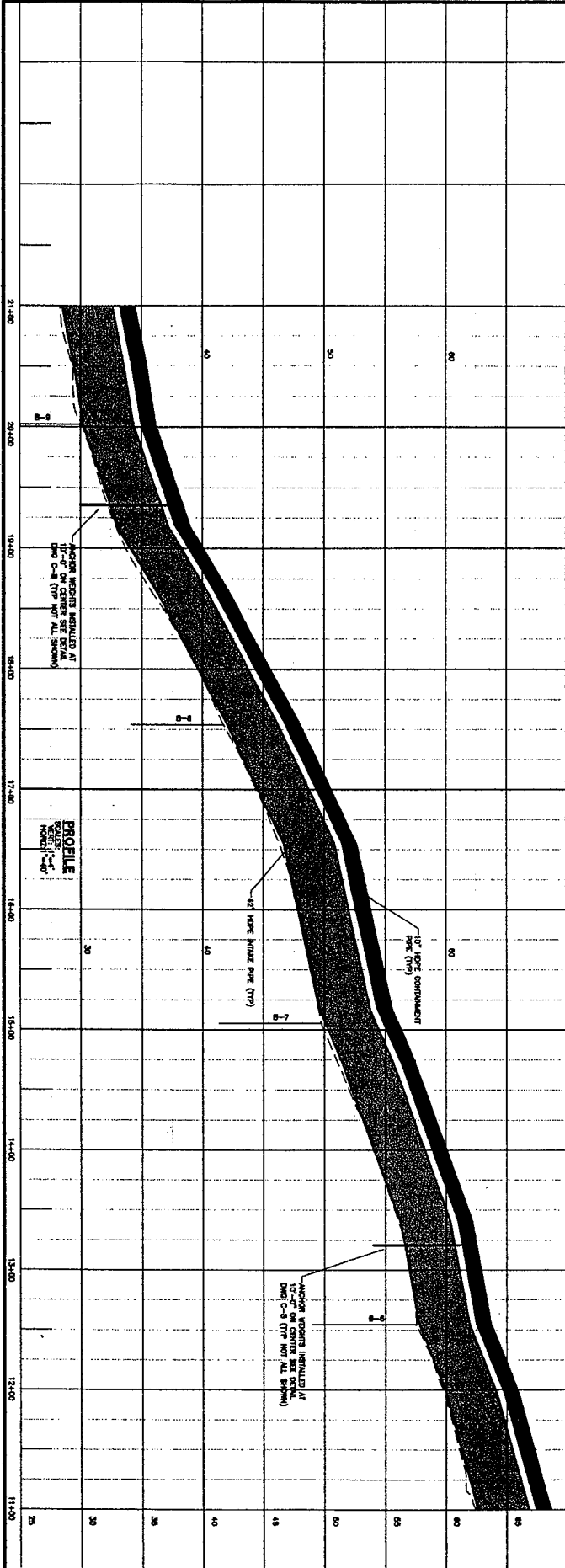
SHELburne BAY LOCATION PLAN
SCALE 1"=1000'



DWG C-14	SOUTH BURLINGTON VERMONT CHAMPLAIN WATER DISTRICT CONTRACT 80 PARALLEL LAKE WATER INTAKE	 Offices throughout New England www.wright-pierce.com	DRAWN BY: SMC CHECKED BY: DDL DATE: 6-12-07 APPROVED BY: SSM DATE: 6-12-07 BOOK NO. PROJECT NO. 10836P SCALE	NO. _____ REVISION _____ APP'D _____ DATE _____	PROGRESS PINKS ISSUED FOR REVIEW _____ ISSUED FOR BIDDING _____
			SHELBURNE BAY LOCATION PLAN	NO. _____ REVISION _____ APP'D _____ DATE _____	PROGRESS PINKS ISSUED FOR REVIEW _____ ISSUED FOR BIDDING _____



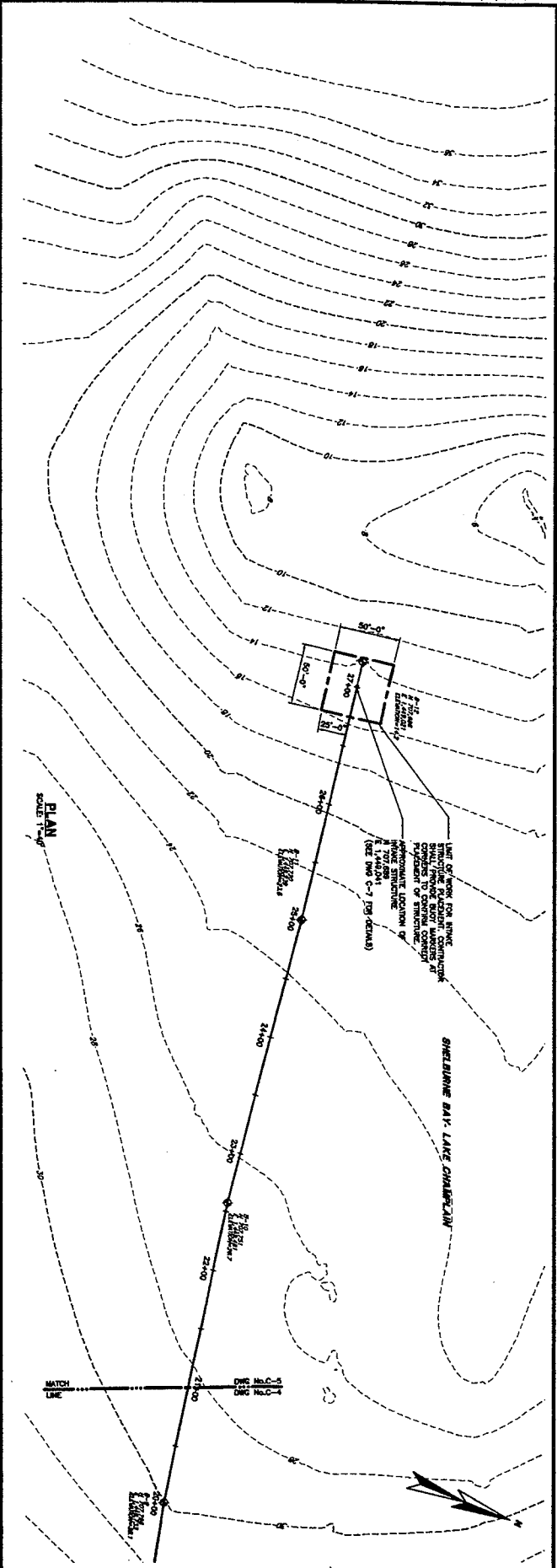
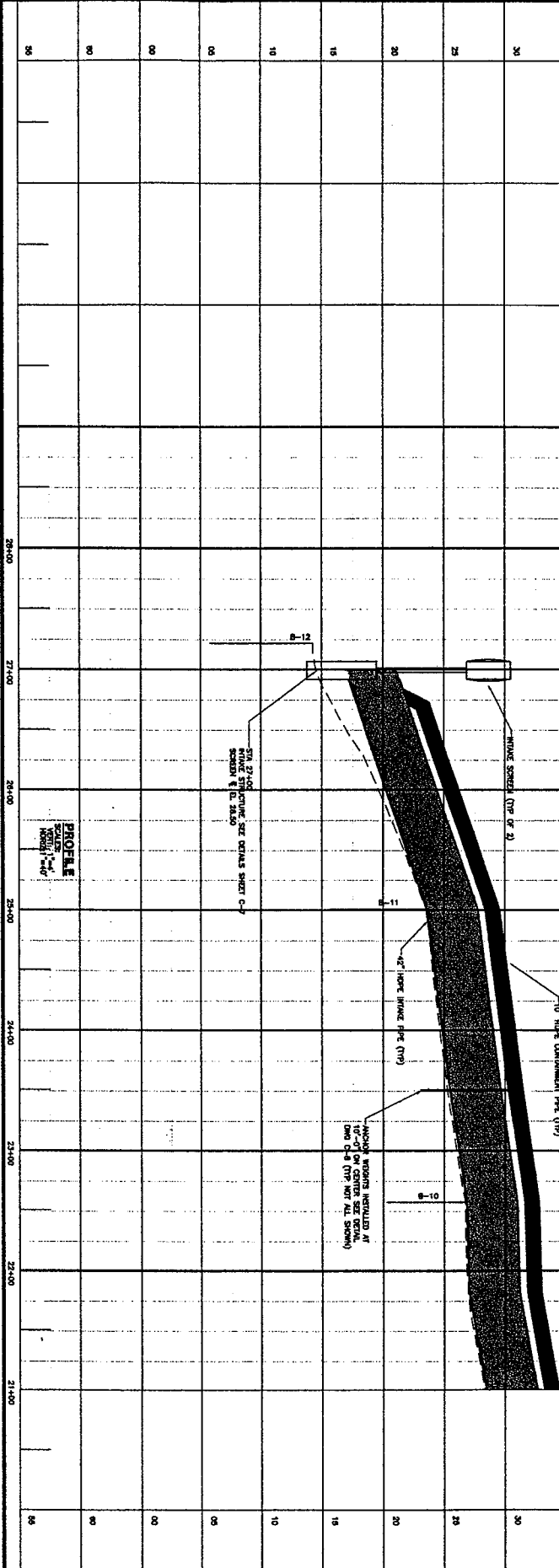
DWG C-3 3 OF 9	SOUTH BURLINGTON, VERMONT CHAMPLAIN WATER DISTRICT CONTRACT NO. PARALLEL LAKE WATER INTAKE INTAKE PIPE PLAN AND PROFILE STA 0+00 TO STA 11+00	 Offices throughout New England www.wright-pierce.com	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>BY</th> <th>DATE</th> <th>REVISION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>AMG</td> <td>2/23/07</td> <td>ISSUED FOR BIDDING 2/23/07</td> </tr> <tr> <td>2</td> <td>AMG</td> <td>3/19/07</td> <td>ISSUED FOR BIDDING 3/19/07</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> <p> DRAWN BY: S.M./AMG CHECKED BY: D.M. DATE: 3/19/07 APPROVED BY: M. BROWN DATE: 2/23/07 BOOK NO. PROJECT NO.: 10836R03 SCALE: AS SHOWN </p>	NO.	BY	DATE	REVISION	1	AMG	2/23/07	ISSUED FOR BIDDING 2/23/07	2	AMG	3/19/07	ISSUED FOR BIDDING 3/19/07																				
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4 DWG C-4
 SOUTH BURLINGTON, VERMONT
 CHAMPLAIN WATER DISTRICT
 CONTRACT 80
 PARALLEL LAKE WATER INTAKE
 INTAKE PIPE PLAN AND PROFILE
 STA 11+00 TO STA 21+00



NO	REVISIONS	APP'D	DATE	PROJECT PERM
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2	CHECKED BY JMW			ISSUED FOR BIDDING: 3/1/07
3	DATE 1/22/07			
4	APPROVED BY JMW			
5	DATE 2/23/07			
6	BOOK NO.			
7	PROJECT NO. 32828R			
8	SCALE AS SHOWN			



DWG C-5 5 OF 9	SOUTH BURLINGTON, VERMONT CHAMPLAIN WATER DISTRICT CONTRACT 80 PARALLEL LAKE WATER INTAKE INTAKE PIPE PLAN AND PROFILE STA 21+00 TO STA 27+00	 <p>Wright-Pierce Serving Throughout New England www.wright-pierce.com</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>REVISIONS</th> <th>APP'D.</th> <th>DATE</th> <th>PROGRESS PINGS</th> </tr> </thead> <tbody> <tr> <td>10</td> <td></td> <td></td> <td></td> <td>ISSUED FOR REVIEW 2/23/07</td> </tr> <tr> <td>9</td> <td></td> <td></td> <td></td> <td>ISSUED FOR BIDDING 3/1/07</td> </tr> <tr> <td>8</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>7</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>6</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p> DRAWN BY: AMG CHECKED BY: JOW DATE: 3/23/07 REVISED BY: JOW DATE: 2/15/07 PLOT NO.: PROJECT NO.: 10636B SCALE: AS SHOWN </p>	NO.	REVISIONS	APP'D.	DATE	PROGRESS PINGS	10				ISSUED FOR REVIEW 2/23/07	9				ISSUED FOR BIDDING 3/1/07	8					7					6					5					4					3					2					1				
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GENERAL NOTES

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SITE LAYOUT AND GRADING NOTES

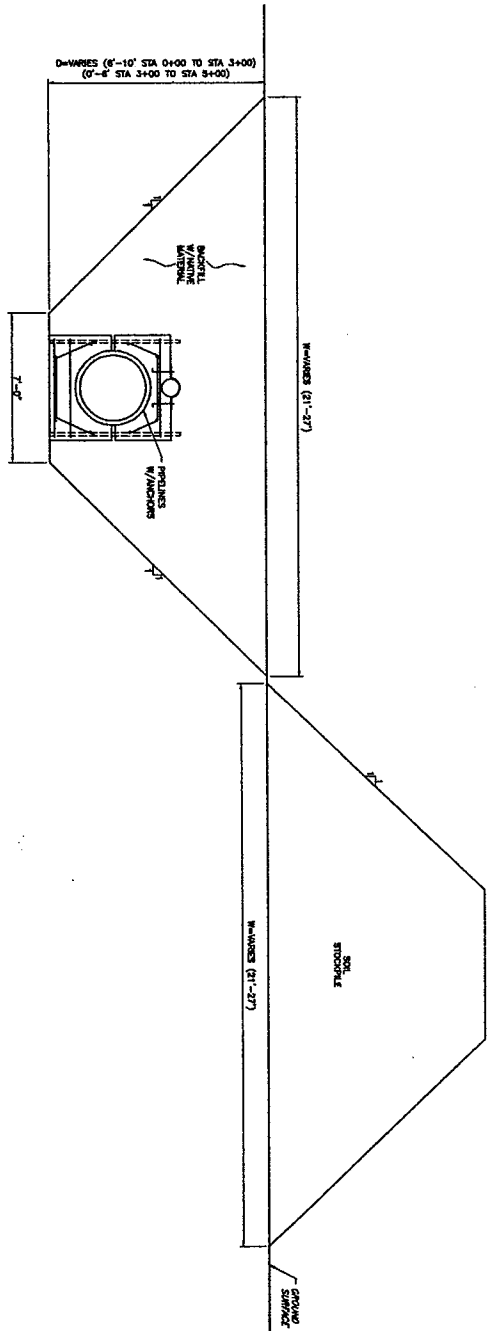
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SITE PILING NOTES

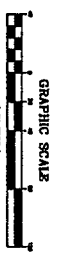
1. THE PILING REQUIRED AND APPROXIMATE PILING NOTES ARE LOCATED IN THE SPECIFICATIONS.
2. ALL PILING SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AGENCIES.
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LEGEND

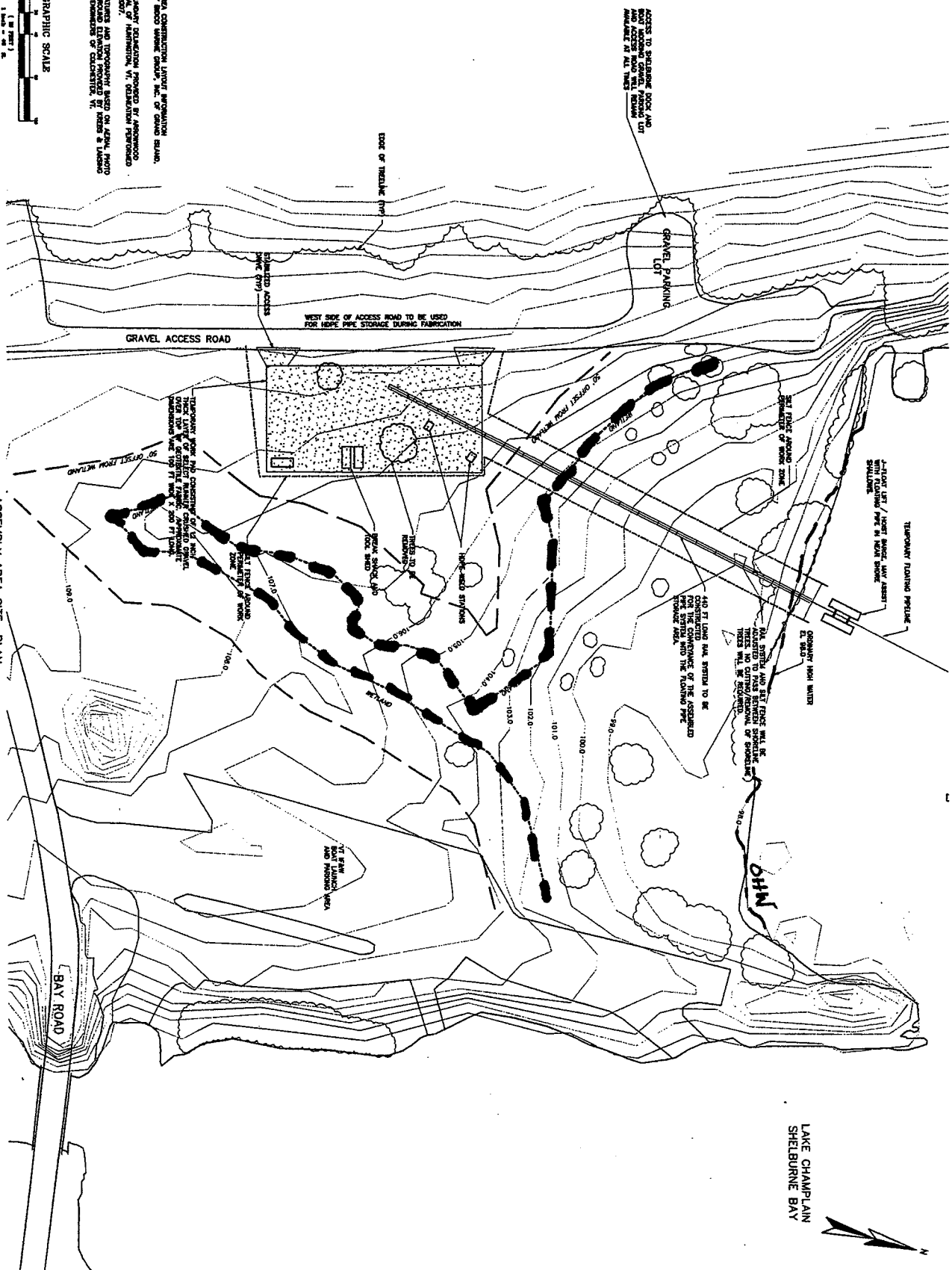
SYMBOL	DESCRIPTION
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(Symbol)	EXISTING LINE
(Symbol)	EDGE OF PAVEMENT
(Symbol)	EDGE OF DRIVEWAY
(Symbol)	CONTOUR
(Symbol)	BALANCE
(Symbol)	STRENGTH
(Symbol)	THREE LINE
(Symbol)	OPEN WATER
(Symbol)	OUTLET
(Symbol)	SPOT ELEVATION
(Symbol)	DATE VALUE
(Symbol)	BATTERY VALUE
(Symbol)	UTILITY POLE
(Symbol)	EDGE OF WETLANDS
(Symbol)	WETLANDS
(Symbol)	SET FORCE
(Symbol)	TORRENT CANYON
(Symbol)	BRIDGE
(Symbol)	WETLANDS



- NOTES:**
1. ASSEMBLY AREA CONSTRUCTION LAYOUT INFORMATION PROVIDED BY BROWN ENGINE GROUP, INC. OF GRAND ISLAND.
 2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE REGULATIONS OF THE VERMONT DEPARTMENT OF ENVIRONMENTAL CONSERVATION, VERMONT REGULATIONS ON NOV. 3, 2007.
 3. PHYSICAL FEATURES AND TERRAIN SHOWN ON AERIAL PHOTO CONDUCTED BY VERMONT DEPARTMENT OF CONSERVATION, VERMONT.



ASSEMBLY AREA SITE PLAN
SCALE 1"=40'



DWG C-13

SOUTH BURLINGTON VERMONT
CHAMPLAIN WATER DISTRICT
CONTRACT 80
PARALLEL LAKE WATER INTAKE
ASSEMBLY AREA DETAIL WITH TOPO

Wright-Pierce
Office throughout New England
www.wright-pierce.com

NO.	REVISIONS	APP'D.	DATE	PROCESS
1	DRAWN BY S.M.			ISSUED FOR PERMITS
2	CHECKED BY S.M.			ISSUED FOR BIDDING
3	DATE 6-12-07			
4	APPROVED BY S.M.			
5	DATE 6-12-07			
6	SCALE 1"=40'			
7	PROJECT NO. 10836			
8	SCALE			

