



US Army Corps
of Engineers
New England District

8 Carmichael Street, Suite 205
Essex Junction, Vermont 05452

PUBLIC NOTICE

Date: SEPTEMBER 21, 2004

Comment Period Ends: OCTOBER 21, 2004

File Number: NAE-2004-2372

In Reply Refer To: Michael S. Adams

Or by e-mail michael.s.adams@usace.army.mil

Vermont Department of Forests, Parks and Recreation, ATTN: Jonathan L. Wood, Commissioner, 103 South Main Street, Waterbury, Vermont 05671-0501

has requested a Corps of Engineers permit under Section 10 of the Rivers and Harbors Act of 1899 and Section 404 of the Clean Water Act to perform dredging and bank stabilization at the existing Burton Island State Park Marina in Lake Champlain at St. Albans, Vermont. The proposed work involves the following:

- a. Dredging silt and rock from an 85,600 sq. ft. (1.97 acres) area from the inner marina, the approach area and outer marina to a bottom elevation of 87' (-6' OLW). A temporary cofferdam will be placed across the marina approach area to facilitate work in the dry of the inner marina. A temporary haul road will be constructed to facilitate dredging of the outer marina. The cofferdam and haul road will involve the temporary placement of about 3,355 cy of fill below Ordinary High Water (OHW) and impact about 10,681 sq. ft. (0.25 acre) of lake bottom below OHW. Silt screens will surround the dredging areas during construction. A total of about 16,810 cy of material will excavated from below OHW.
- b. Rehabilitation of existing bank stabilization along 1,950 linear feet of shoreline. Approximately 2,835 cy of stone riprap (about 2,520 cy below OHW) will be placed to stabilize the bank (1.29 cy/linear ft. below OHW). This work will impact about 47,617 sq. ft. (109 acres) of lake bottom.
- c. Rehabilitation of an existing 15' wide, 70' long gravel launch ramp. The ramp will be re-graded to a 14% grade and improved with 6" of crushed stone and capped with 3" of sur pak aggregate. This work will involve the placement of about 36 cy of stone below OHW. The ramp will impact about 913 sq. ft. (0.021 acre) of lake bottom.
- d. Rehabilitation of existing concrete dock anchors will involve the placement of 5 cy of concrete below OHW.

The purpose of the project is to provide improved public boating access and prevent erosion.

The work is shown on the enclosed plans, in twelve sheets, entitled "BURTON ISLAND STATE PARK" (dated "06/04"), "BURTON ISLAND MARINA" (dated "6/15/04", last revised "6/14/04"), "BURTON ISLAND MARINA RENOVATIONS" (dated "8/11/04", last revised "6/14/04").

The project is located on the St. Albans Bay, VT quadrangle sheet at Universal Transverse Mercator grid coordinates N 4959624.0, E 642599.0.

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 Michael Adams 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.

SEE NEXT PAGE FOR
DETAILS OF EVALUATION
FACTORS


Frank J. DelGiudice
Chief, Permits & Enforcement Branch
Regulatory Division

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.

106 REVIEW ONGOING

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:

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

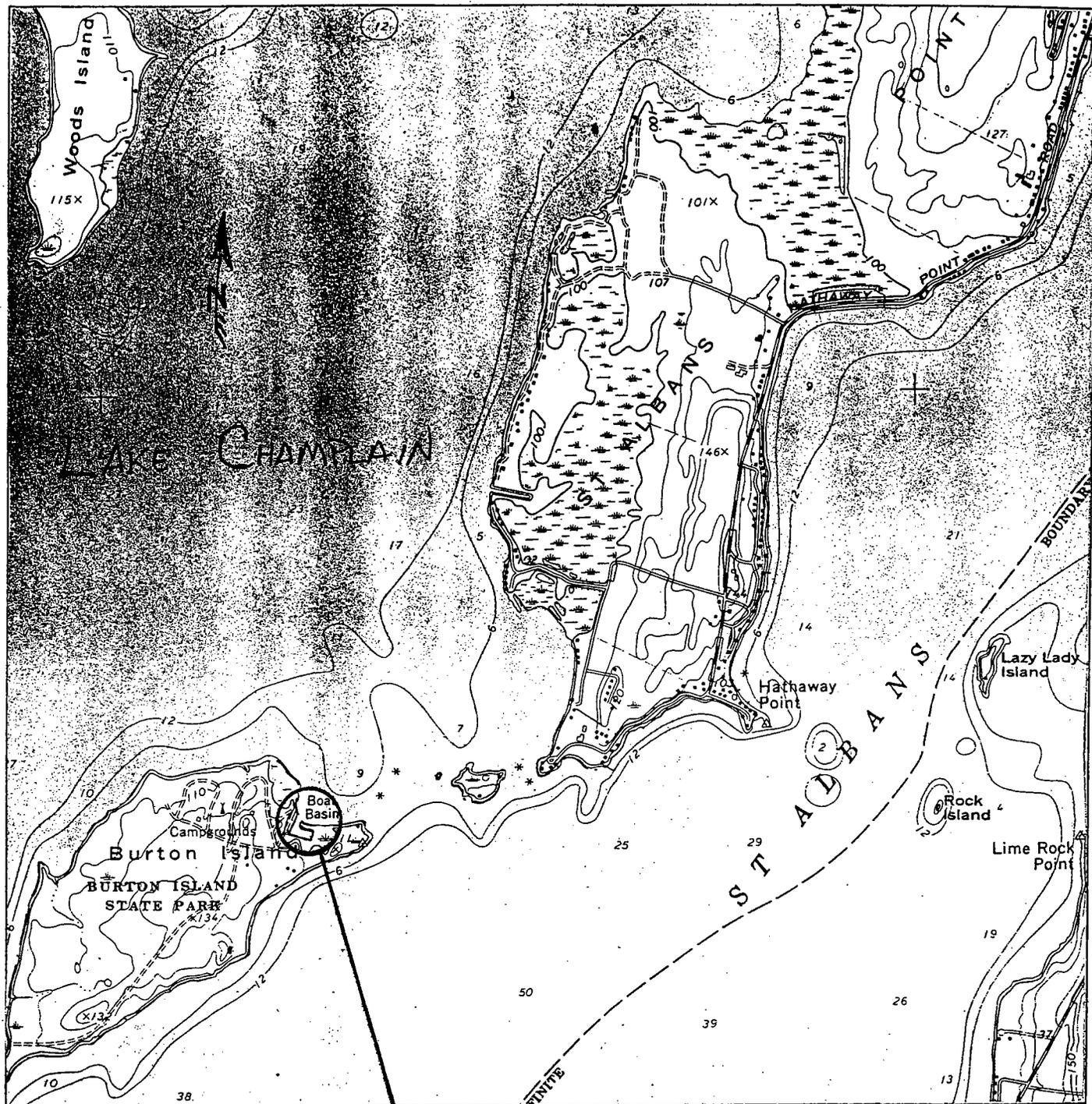
The States of Connecticut, Maine, Massachusetts, New Hampshire and Rhode Island have approved Coastal Zone Management Programs. Where applicable the applicant states that any proposed activity will comply with and will be conducted in a manner that is consistent with the approved Coastal Zone Management Program. By this Public Notice, we are requesting the State concurrence or objection to the applicant's consistency statement.

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: _____



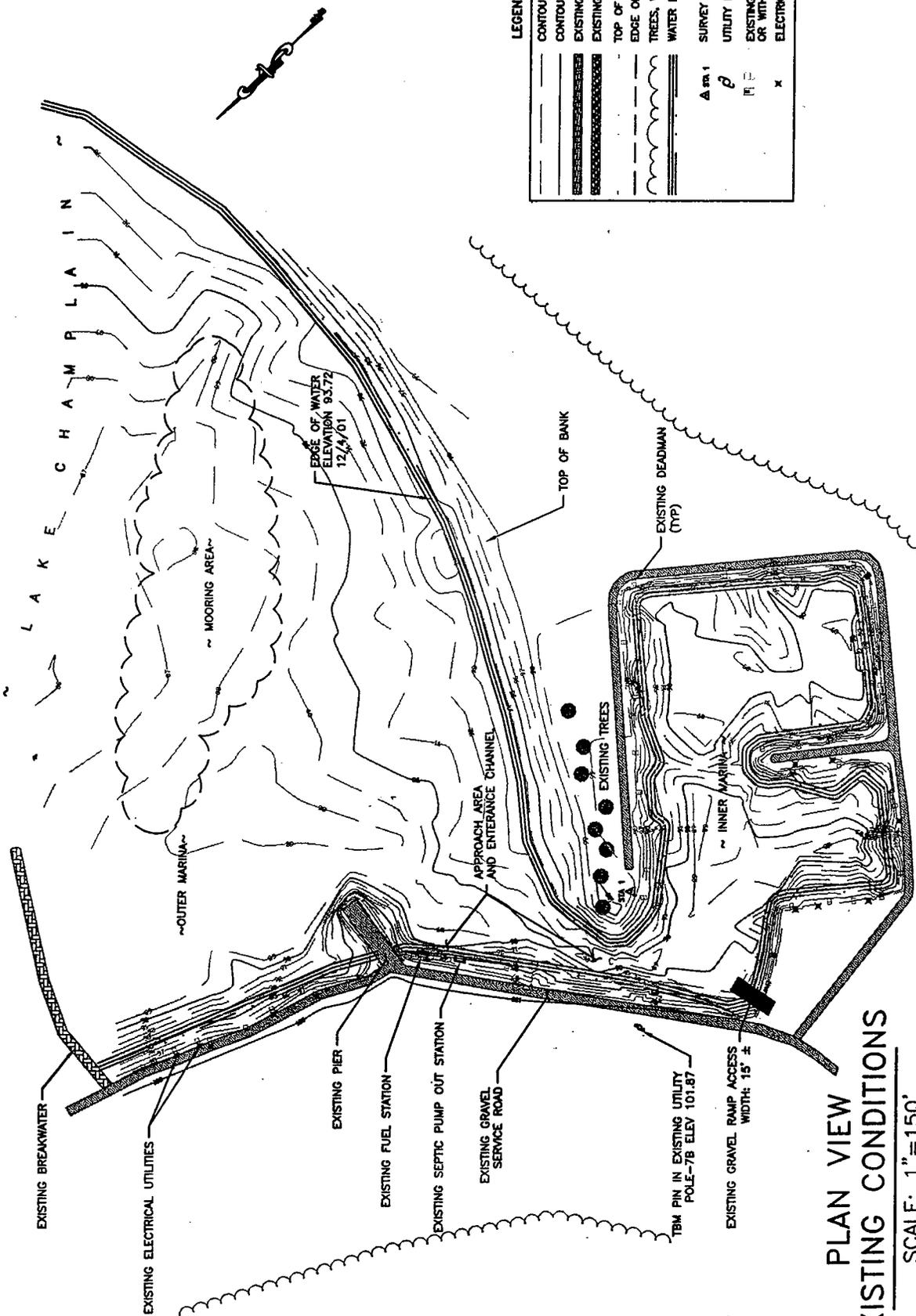
PROJECT LOCATION

SOURCE: U.S.G.S SURVEY
 QUADRANGLE LOCATION
 ST ALBANS BAY, VERMONT
 1964

DESIGNED: JRG
 DRAWN: JCR
 CHECKED:
 REVISION 1:
 REVISION 2:
 REVISION 3:

STATE OF VERMONT
 AGENCY OF NATURAL RESOURCES
 DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 FACILITIES ENGINEERING DIVISION
 WATERBURY, VERMONT 05671-0407
 DEPARTMENT
 DEPARTMENT OF FISH & WILDLIFE
 PROJECT
 BURTON ISLAND STATE PARK

TOWN: ST ALBANS
 STATE: VERMONT
 DATE: 06/04
 DATUM: N.G.V.D. 1929
 SHEET: 1 OF 22
 SCALE: 1:24000



LEGEND

--- (2 FT INTERVAL)	CONTOUR - 2 FT INTERVAL
--- (10 FT INTERVAL)	CONTOUR - 10 FT INTERVAL
— (DOTTED)	EXISTING ROAD, AND PIER
— (DOTTED)	EXISTING BREAKWATER
— (DOTTED)	TOP OF BANK
— (DOTTED)	EDGE OF EXISTING MOORING AREA
— (DOTTED)	TREES, WOODS BOUNDARY
— (DOTTED)	WATER LEVEL (O.H.W. or O.L.W.)
Δ 111	SURVEY STATION AT ELEV. 99'
⊕	UTILITY POLE
⊕	EXISTING DEADMAN WITH OR WITHOUT ELECTRICAL UTILITY
x	ELECTRICAL UTILITY BOX

**PLAN VIEW
EXISTING CONDITIONS**

SCALE: 1"=150'

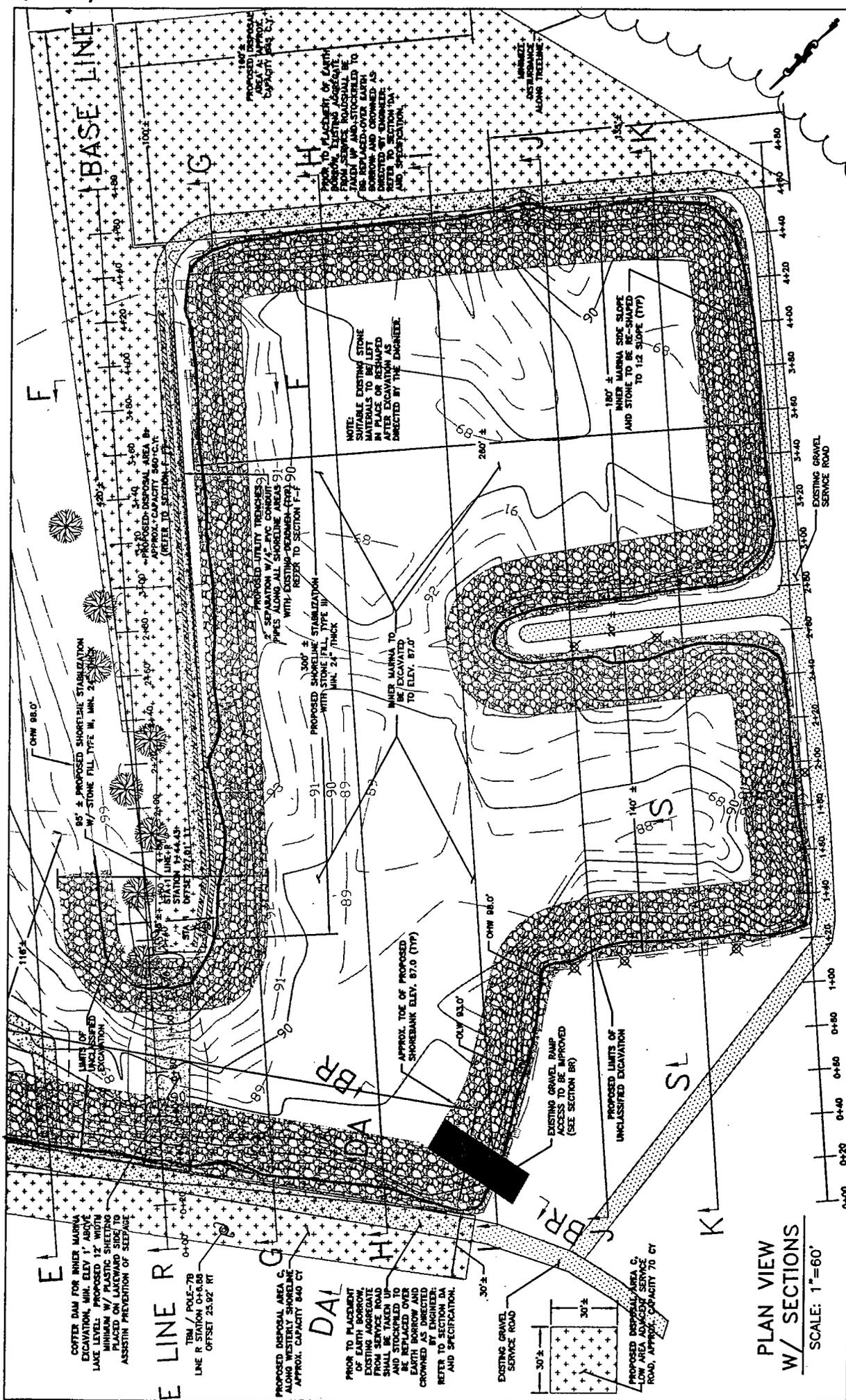
DESIGNED: JRG
 DRAWN: JCR 6/04
 CHECKED: JRG 6/04
 REVISION 1: 12/12/03
 REVISION 2: 5/04/04
 REVISION 3: 6/14/04

STATE OF VERMONT
 AGENCY OF NATURAL RESOURCES
 DEPT. OF ENVIRONMENTAL CONSERVATION
 FACILITIES ENGINEERING DIVISION
 WATERBURY, VERMONT 05671-0411

DEPARTMENT
 FORESTS, PARKS AND RECREATION

PROJECT
 BURTON ISLAND MARINA

TOWN: ST. ALBANS
 STATE: VERMONT
 DATE: 6/15/04
 DATUM: N.G.D.V. 1929
 SHEET: 2 OF 22
 SCALE: 1"=150'



PLAN VIEW
W/ SECTIONS
SCALE: 1"=60'

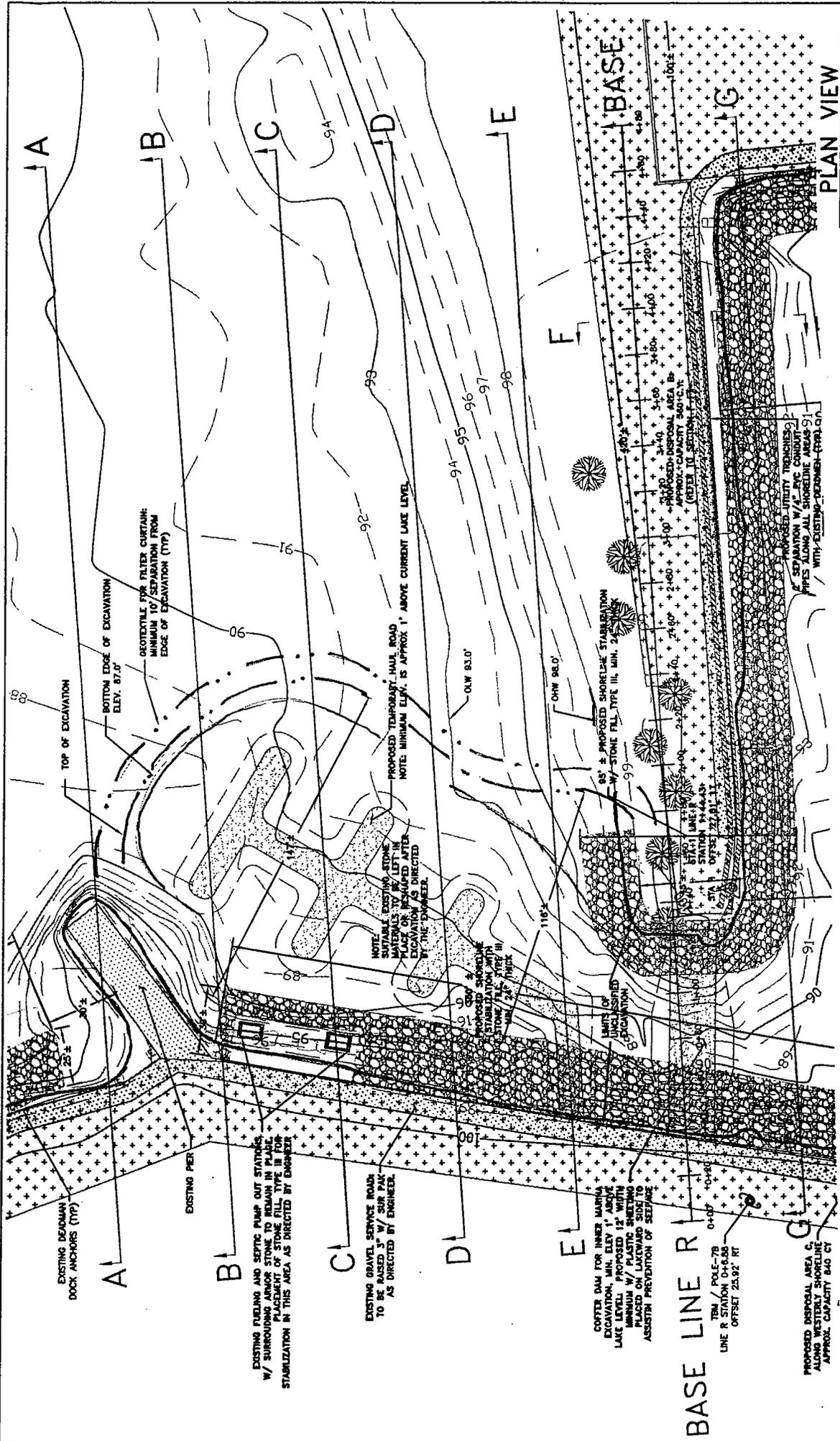
DESIGNED: JRG
 DRAWN: JCR 6/04
 CHECKED: JRG 6/04
 REVISION 1: 12/12/03
 REVISION 2: 5/04/04
 REVISION 3: 6/14/04

STATE OF VERMONT
 AGENCY OF NATURAL RESOURCES
 DEPT. OF ENVIRONMENTAL CONSERVATION
 FACILITIES ENGINEERING DIVISION
 WATERBURY, VERMONT 05671-0411

DEPARTMENT
 FORESTS, PARKS AND RECREATION

PROJECT
 BURTON ISLAND MARINA

TOWN: ST. ALBANS
 STATE: VERMONT
 DATE: 6/15/04
 DATUM: N.G.D.V. 1929
 SHEET: 3 OF 22
 SCALE: 1"=60'

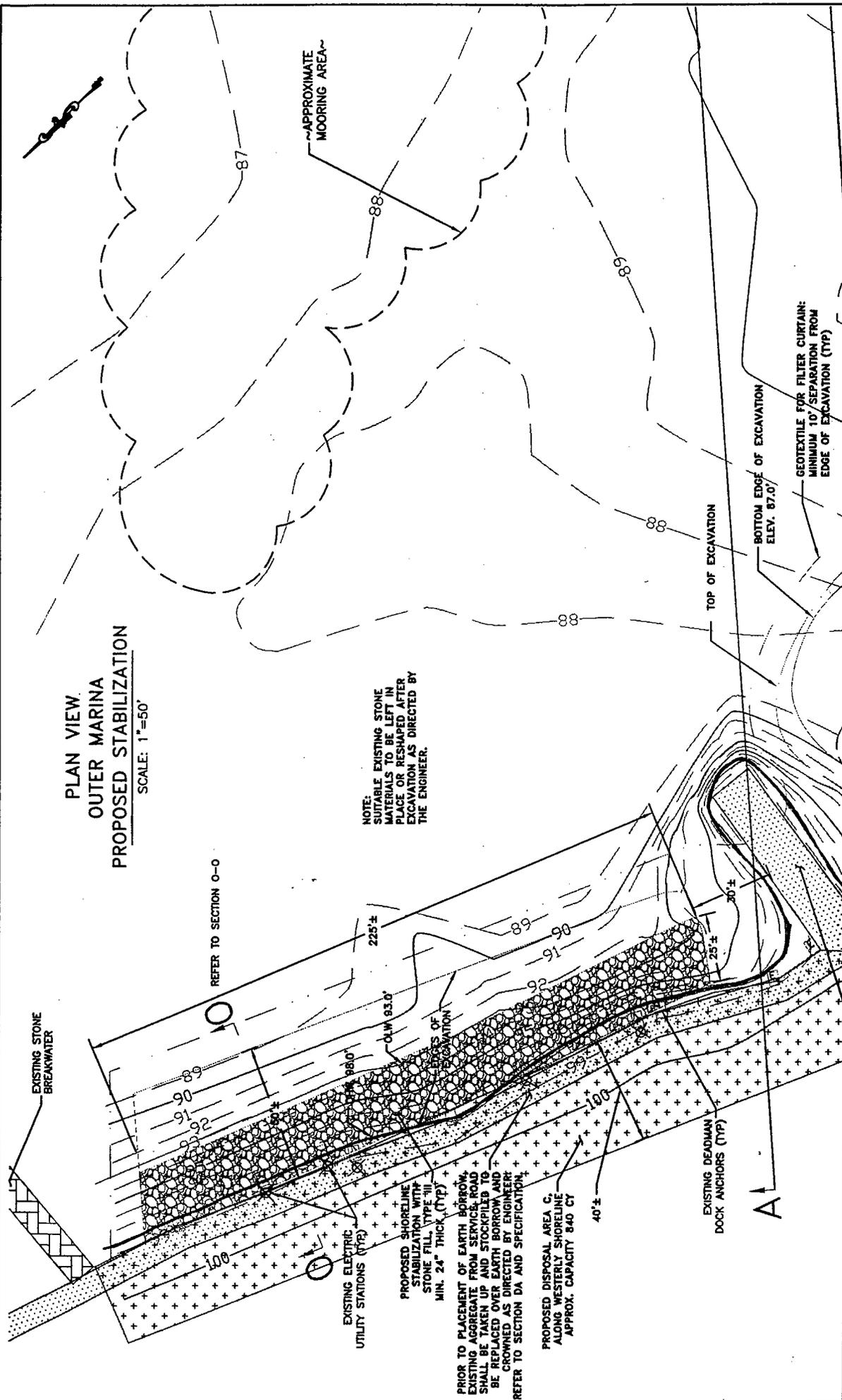


PLAN VIEW
MARINA APPROACH
SCALE: 1"=60'

TOWN: ST. ALBANS
STATE: VERMONT
DATE: 6/15/04
DATUM: N.G.D.V. 1929
SHEET: 6 OF 22
SCALE: 1"=60'

STATE OF VERMONT
AGENCY OF NATURAL RESOURCES
DEPT. OF ENVIRONMENTAL CONSERVATION
FACILITIES ENGINEERING DIVISION
WATERBURY, VERMONT 05671-0411
DEPARTMENT
PROJECT
RURTON ISI AND MARINA

DESIGNED: JRG
DRAWN: JCR 6/04
CHECKED: JRG 6/04
REVISION 1: 12/12/03
REVISION 2: 5/04/04
REVISION 3: 6/14/04



**PLAN VIEW
OUTER MARINA
PROPOSED STABILIZATION**
SCALE: 1"=50'

NOTE:
SUITABLE EXISTING STONE
MATERIALS TO BE LEFT IN
PLACE OR RESHAPED AFTER
EXCAVATION AS DIRECTED BY
THE ENGINEER.

EXISTING ELECTRIC
UTILITY STATIONS (TYP)

PRIOR TO PLACEMENT OF EARTH BORROW,
EXISTING AGGREGATE FROM SERVICE ROAD
SHALL BE TAKEN UP AND STOCKPILED TO
BE REPLACED OVER EARTH BORROW AND
CROWNED AS DIRECTED BY ENGINEER.
REFER TO SECTION DA AND SPECIFICATION.

PROPOSED DISPOSAL AREA C,
ALONG WESTERLY SHORELINE
APPROX. CAPACITY 840 CY

EXISTING DEADMAN
DOCK ANCHORS (TYP)

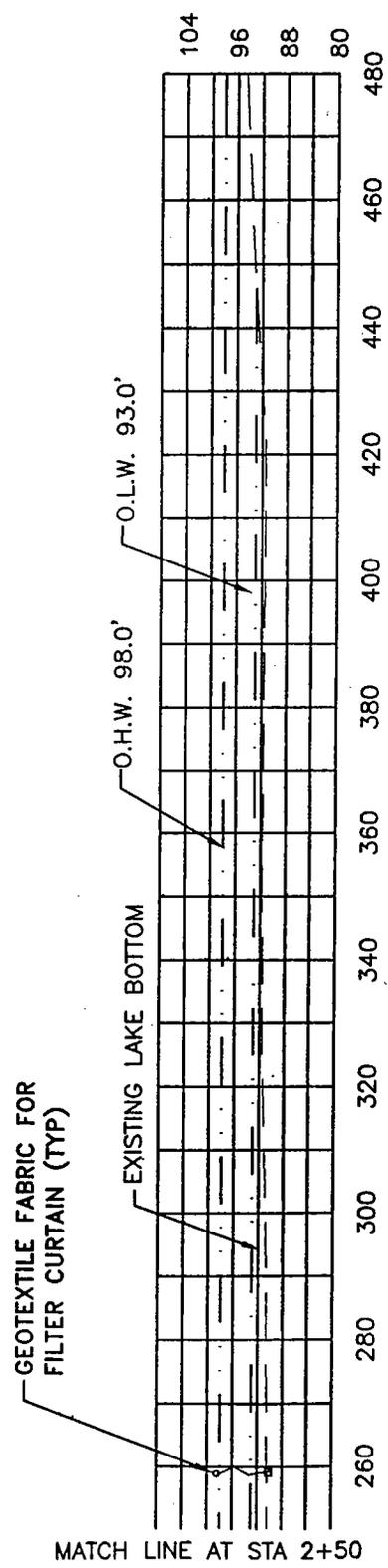
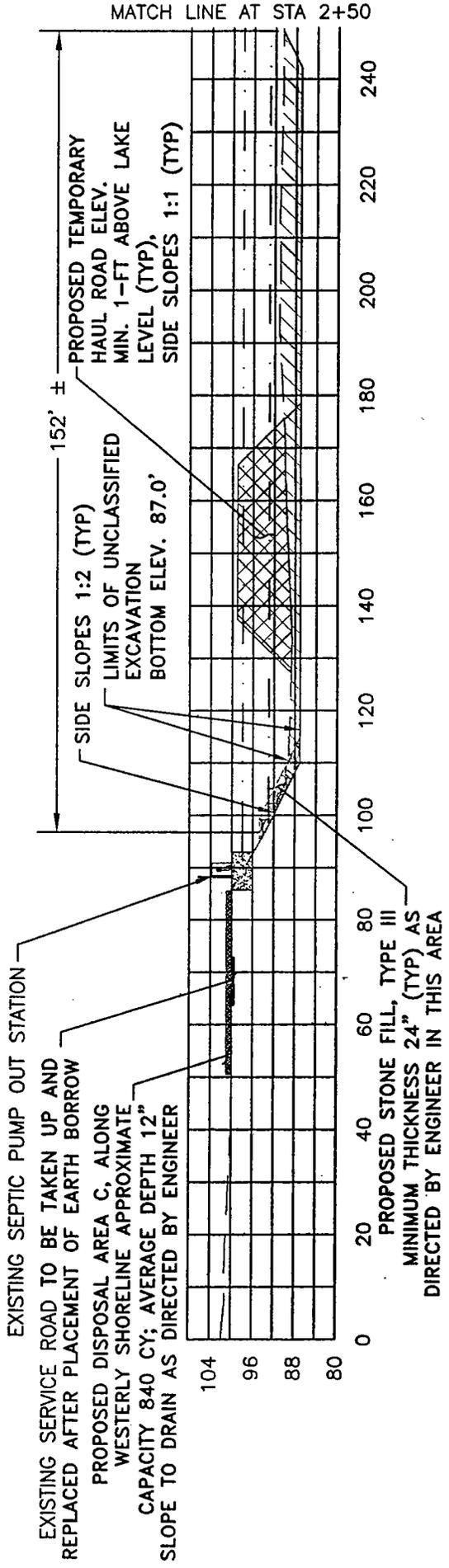
TOP OF EXCAVATION
BOTTOM EDGE OF EXCAVATION
ELEV. 87.0'
GEOTEXTILE FOR FILTER CURTAIN:
MINIMUM 10' SEPARATION FROM
EDGE OF EXCAVATION (TYP)

~APPROXIMATE
MOORING AREA~

TOWN: ST. ALBANS
STATE: VERMONT
DATE: 6/15/04
DATUM: N.G.D.V. 1929
SHEET: 8 OF 22
SCALE: 1"=50'

STATE OF VERMONT
AGENCY OF NATURAL RESOURCES
DEPT. OF ENVIRONMENTAL CONSERVATION
FACILITIES ENGINEERING DIVISION
WATERBURY, VERMONT 05671-0411
FORESTS, PARKS AND RECREATION
BURTON ISLAND MARINA

DESIGNED: JRG
DRAWN: JCR 6/04
CHECKED: JRG 6/04
REVISION 1: 12/12/03
REVISION 2: 5/04/04
REVISION 3: 6/14/04



SECTION C-C

SCALE: 1"=30'

DESIGNED: JRG
 DRAWN: JCR
 CHECKED: JRG
 REVISION 1: 12/12/03
 REVISION 2: 5/04/04
 REVISION 3: 6/14/04

STATE OF VERMONT
 AGENCY OF NATURAL RESOURCES
 DEPT. OF ENVIRONMENTAL CONSERVATION
 FACILITIES ENGINEERING DIVISION
 WATERBURY, VERMONT 05671-0411

DEPARTMENT

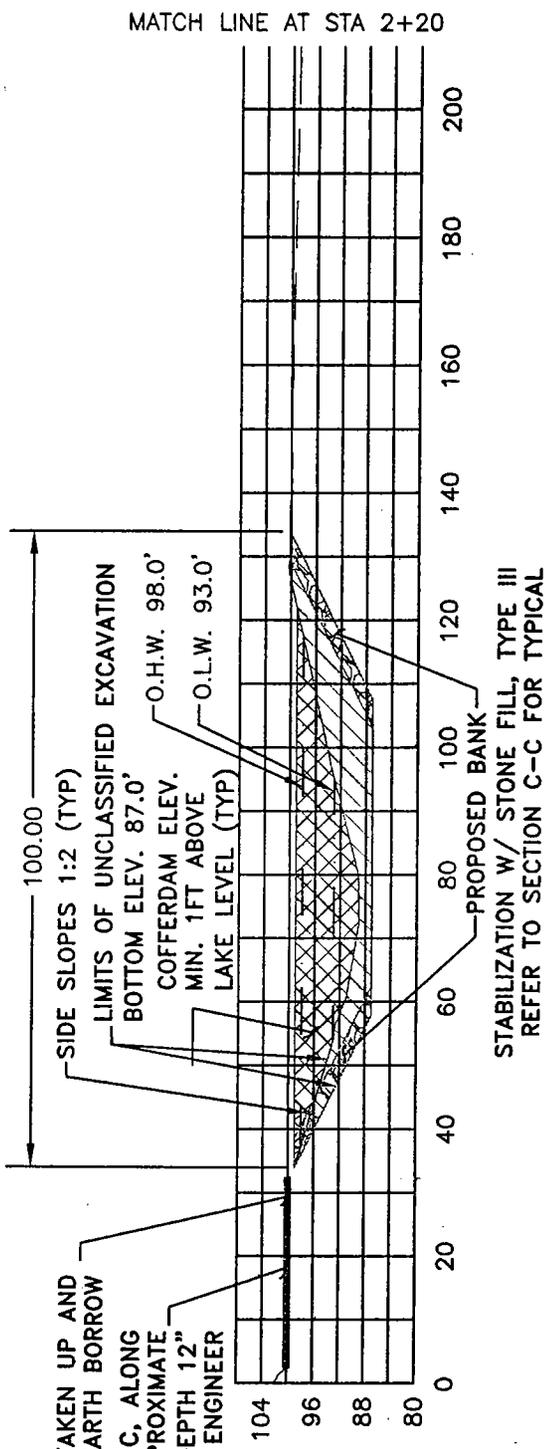
PROJECT

FORESTS, PARKS, AND RECREATION

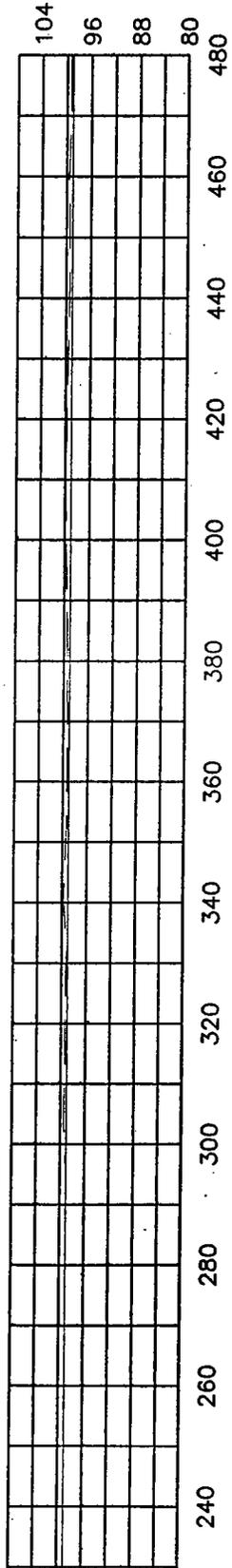
BURTON ISLAND MARINA RENOVATIONS

TOWN: ST ALBANS
 STATE: VERMONT
 DATE: 8/11/04
 DATUM: N.D.G.V. 1929
 SHEET: 11 OF 22
 SCALE: 1:30

EXISTING SERVICE ROAD TO BE TAKEN UP AND REPLACED AFTER PLACEMENT OF EARTH BORROW
 PROPOSED DISPOSAL AREA C, ALONG WESTERLY SHORELINE APPROXIMATE CAPACITY 840 CY; AVERAGE DEPTH 12" SLOPE TO DRAIN AS DIRECTED BY ENGINEER



MATCH LINE AT STA 2+20



SECTION R-R

SCALE: 1"=30'

DESIGNED: JRG
 DRAWN: JCR
 CHECKED: JRG
 REVISION 1: 12/12/03
 REVISION 2: 5/04/04
 REVISION 3: 6/14/04

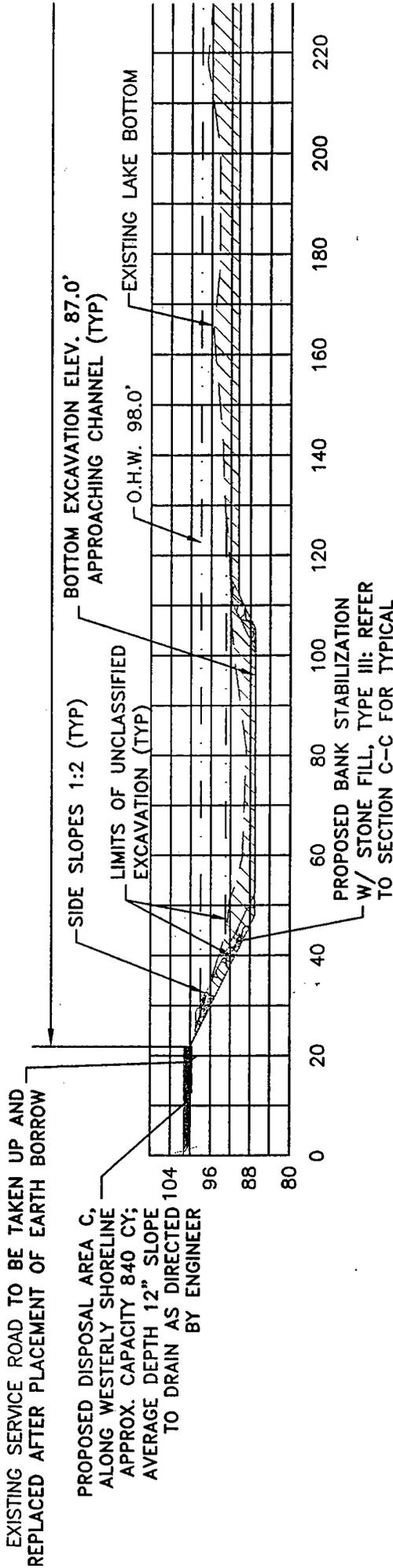
STATE OF VERMONT
 AGENCY OF NATURAL RESOURCES
 DEPT. OF ENVIRONMENTAL CONSERVATION
 FACILITIES ENGINEERING DIVISION
 WATERBURY, VERMONT 05671-0411

DEPARTMENT
 FORESTS, PARKS, AND RECREATION

PROJECT
 BURTON ISLAND MARINA RENOVATIONS

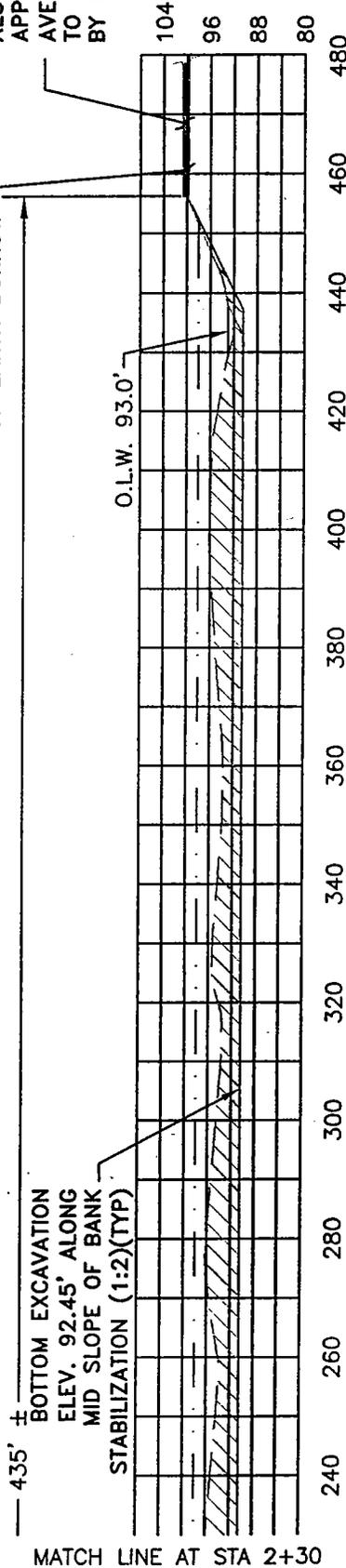
TOWN: ST ALBANS
 STATE: VERMONT
 DATE: 8/11/04
 DATUM: N.D.G.V. 1929
 SHEET: 14 OF 22
 SCALE: 1:30

MATCH LINE AT STA 2+30



PROPOSED DISPOSAL AREA A,
ALONG EASTERLY SHORELINE
APPROX. CAPACITY 845 CY;
AVERAGE DEPTH 12" SLOPE
TO DRAIN AS DIRECTED
BY ENGINEER

EXISTING SERVICE ROAD TO BE TAKEN
UP AND REPLACED AFTER PLACEMENT
OF EARTH BORROW



SECTION G-G

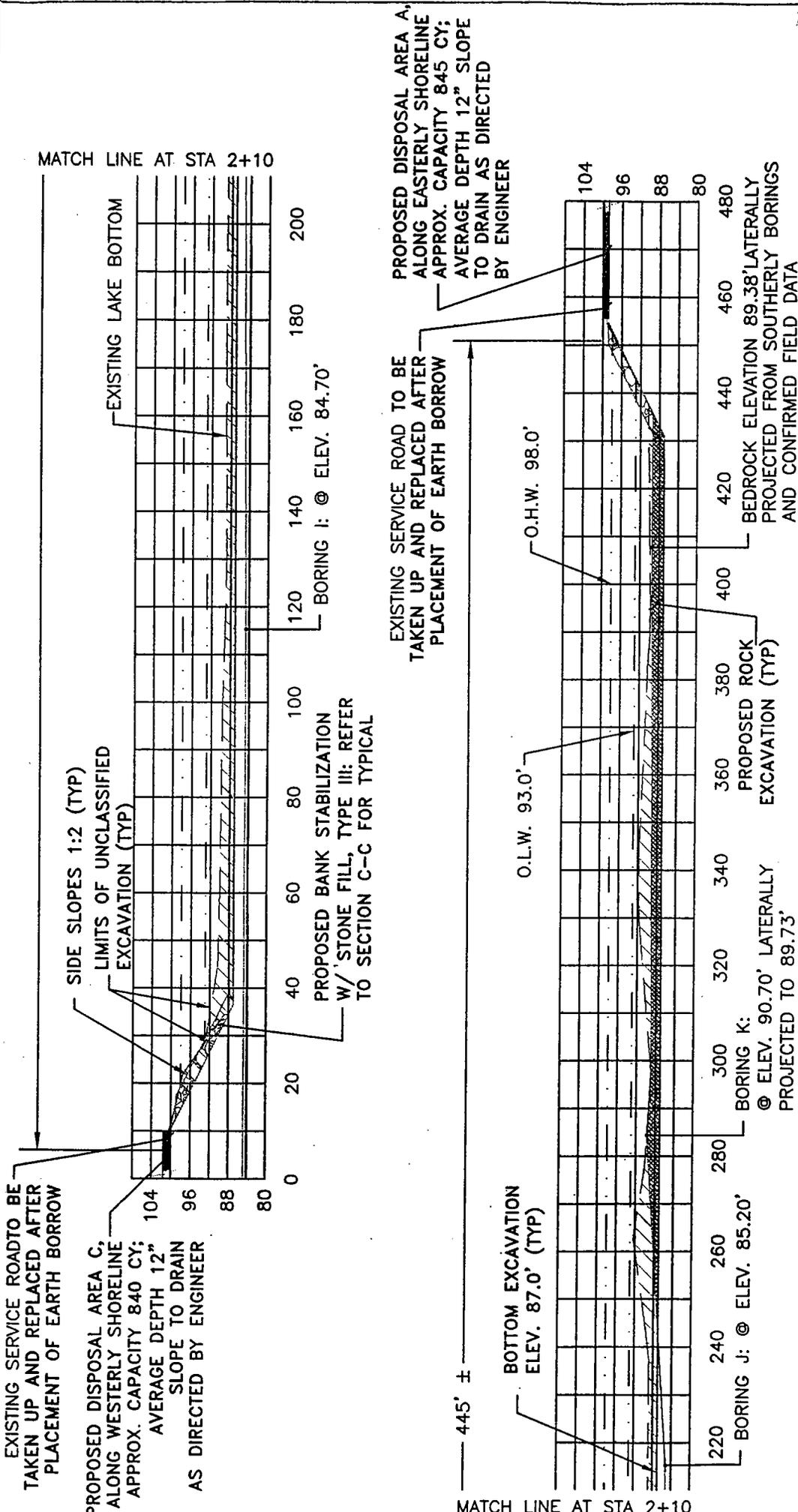
SCALE: 1"=30'

TOWN: ST ALBANS
STATE: VERMONT
DATE: 8/11/04
DATUM: N.D.G.V. 1929
SHEET: 15 OF 22
SCALE: 1:30

AGENCY OF NATURAL RESOURCES
DEPT. OF ENVIRONMENTAL CONSERVATION
FACILITIES ENGINEERING DIVISION
WATERBURY, VERMONT 05671-0411
FORESTS, PARKS, AND RECREATION
BURTON ISLAND MARINA RENOVATIONS

DESIGNED: JRG
DRAWN: JCR
CHECKED: JRG
REVISION 1: 12/12/03
REVISION 2: 5/04/04
REVISION 3: 6/14/04

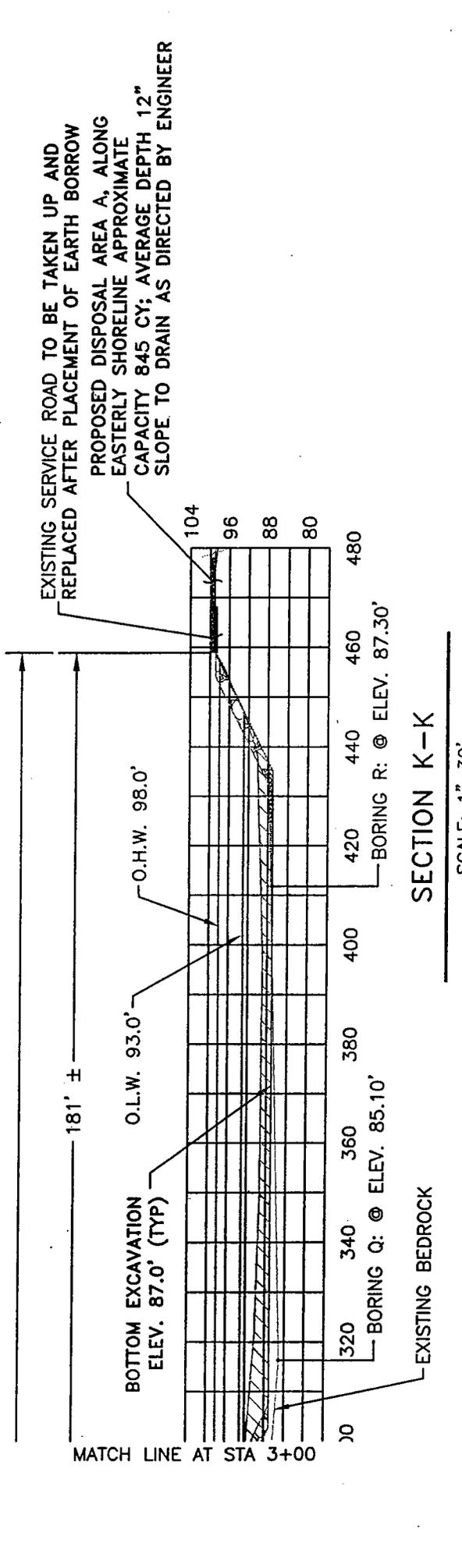
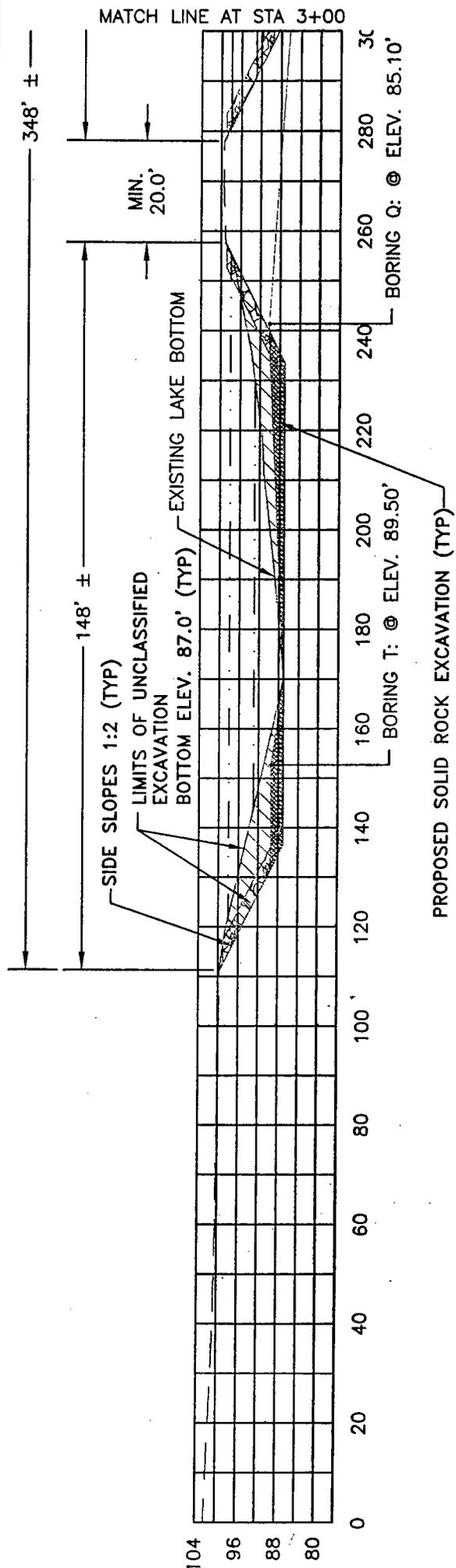
DEPARTMENT
PROJECT



SECTION H-H

SCALE: 1"=30'

DESIGNED: JRG DRAWN: JCR CHECKED: JRG REVISION 1: 12/12/03 REVISION 2: 5/04/04 REVISION 3: 6/14/04	AGENCY OF NATURAL RESOURCES DEPT. OF ENVIRONMENTAL CONSERVATION FACILITIES ENGINEERING DIVISION WATERBURY, VERMONT 05671-0411	TOWN: ST ALBANS STATE: VERMONT DATE: 8/11/04 DATUM: N.D.G.V. 1929 SHEET: 16 OF 22 SCALE: 1:30
	FORESTS, PARKS, AND RECREATION BURTON ISLAND MARINA RENOVATIONS	DEPARTMENT PROJECT



SECTION K-K

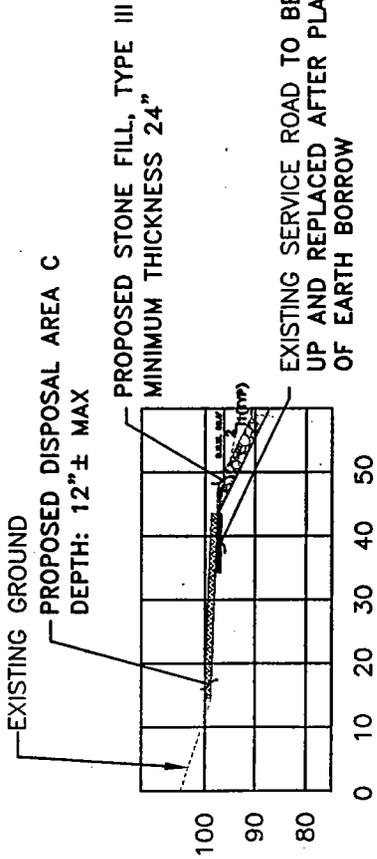
SCALE: 1"=30'

TOWN: ST ALBANS
 STATE: VERMONT
 DATE: 8/11/04
 DATUM: N.D.G.V. 1929
 SHEET: 19 OF 22
 SCALE: 1:30

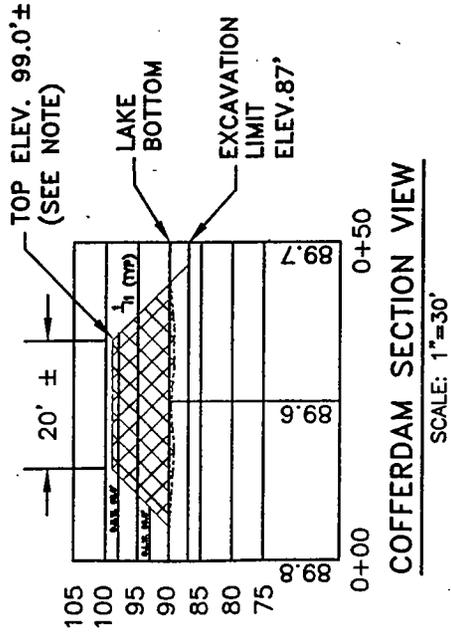
STATE OF VERMONT
 AGENCY OF NATURAL RESOURCES
 DEPT. OF ENVIRONMENTAL CONSERVATION
 FACILITIES ENGINEERING DIVISION
 WATERBURY, VERMONT 05671-0411

DESIGNED: JRG
 DRAWN: JCR
 CHECKED: JRG
 REVISION 1: 12/12/03
 REVISION 2: 5/04/04
 REVISION 3: 6/14/04

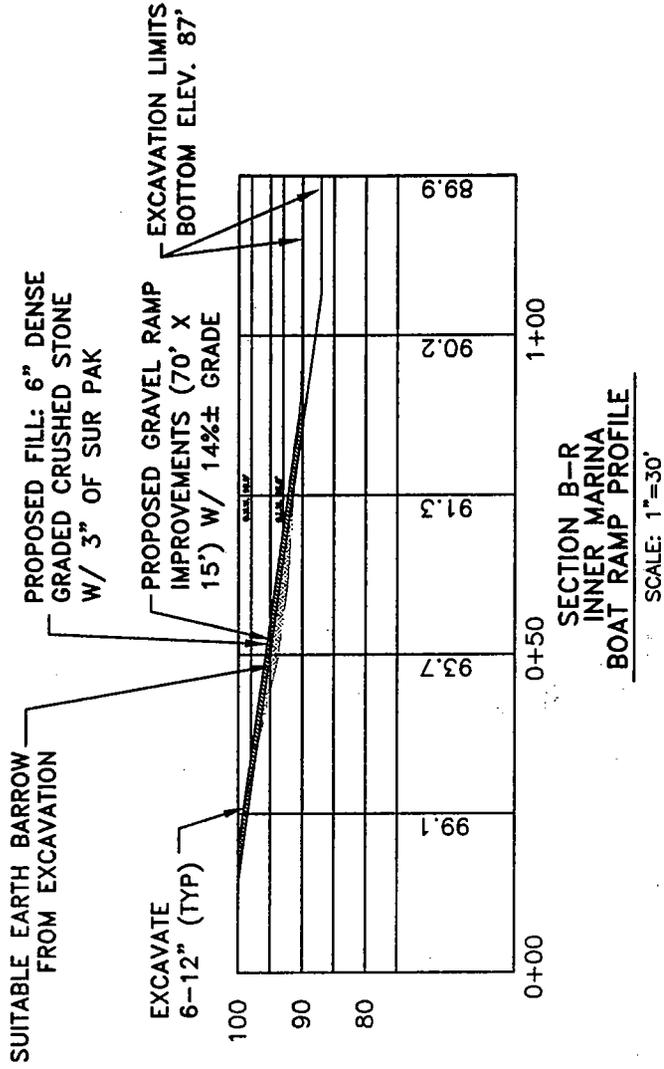
DEPARTMENT
 FORESTS, PARKS, AND RECREATION
 PROJECT
 BURTON ISLAND MARINA RENOVATIONS



SECTION D-A
INNER MARINA
DISPOSAL AREA PROFILE
SCALE: 1"=30'



COFFERDAM SECTION VIEW
SCALE: 1"=30'

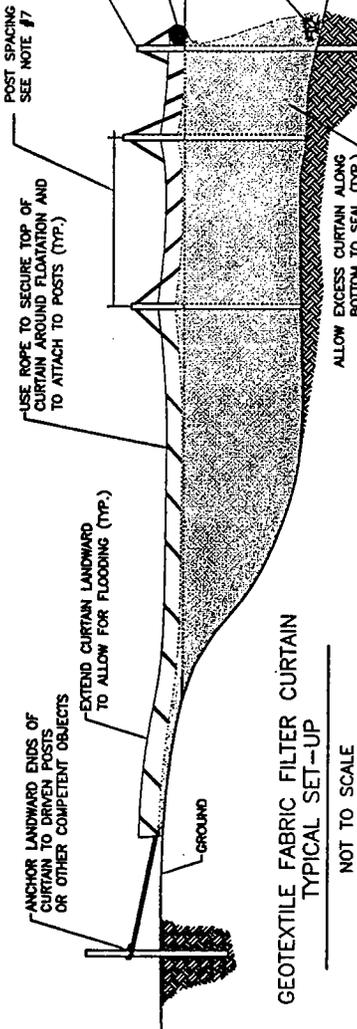


SECTION B-R
INNER MARINA
BOAT RAMP PROFILE
SCALE: 1"=30'

DESIGNED: JRG
DRAWN: JCR 6/04
CHECKED: JRG 6/04
REVISION 1: 12/12/03
REVISION 2: 5/04/04
REVISION 3: 6/14/04

STATE OF VERMONT
AGENCY OF NATURAL RESOURCES
DEPT. OF ENVIRONMENTAL CONSERVATION
FACILITIES ENGINEERING DIVISION
WATERBURY, VERMONT 05671-0411
DEPARTMENT
PROJECT
FORESTS, PARKS AND RECREATION
RURTON ISI AND MARINA

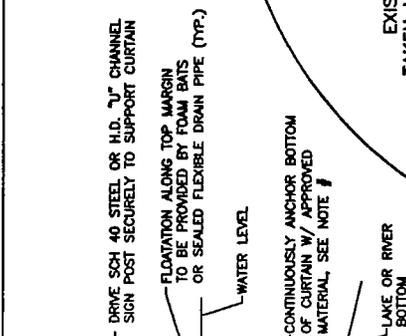
TOWN: ST. ALBANS
STATE: VERMONT
DATE: 6/15/04
DATUM: N.G.D.V. 1929
SHEET: 21 OF 22
SCALE: 1"=30'



GEOTEXTILE FABRIC FILTER CURTAIN TYPICAL SET-UP

NOT TO SCALE

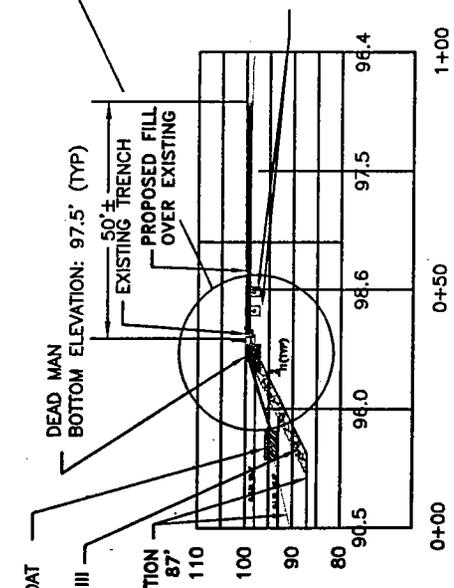
- NOTES:
1. Filter curtain shall be constructed and completely installed prior to any work in the water.
 2. Placement of filter curtain shall allow a minimum of 10 feet between limit of excavation and curtain to prevent disturbance of curtain during work.
 3. Prior to work in the water, the filter curtain shall be inspected and approved by the Engineer. Filter fabric shall be Mirafi N-Series or approved equal.
 4. When joining two pieces of filter fabric, overlap shall be at least 2.0 feet. Method of splicing shall be hand stitching, double row.
 5. Continuous floatation along the top margin shall be provided by closed cell foam bolls or floats. Corrugated drain pipe sealed airtight, sized to account for wave and or current action.
 6. Continuous floatation along the bottom margin shall be achieved by leaving excess fabric to be anchored with rings, steel rods, cable and native materials, as shown in the drawing. All non-native materials used for anchoring shall be completely removed after completion of the work.
 7. The spacing of steel posts shall provide additional vertical and horizontal support to the curtain to accommodate for the forces of wind, wave and current.
 8. After completion of the work in the water, the filter curtain shall remain in place until turbidity inside the curtain is equal to that outside.



SECTION F-F TRENCH DETAIL

SCALE 1"=10'

- EXISTING PATH TO BE TAKEN UP AND REPLACED AFTER PLACEMENT OF UTILITY CORRIDOR AND EARTH BORROW
- EXISTING UTILITY CORRIDOR
- PROPOSED UTILITY STAND AND ANCHOR (CONCRETE CLASS A)
- O.H.W. 98.0'
- 4.0' (TYP)
- 2' (TYP)
- EXISTING SURFACE
- PROPOSED WATER AND ELECTRICAL CORRIDOR W/ 4" PIPE
- PROPOSED DISPOSAL AREA B, ALONG INNER MARINA SOUTH SHORE APPROX. CAPACITY 560 CY; AVERAGE DEPTH 12" SLOPE TO DRAIN AS DIRECTED BY ENGINEER
- EXISTING DEADMAN RESET AS DIRECTED BY ENGINEER. DAMAGED DEADMAN WILL BE REPLACED AS NEEDED.
- EXCAVATION LIMITS



SECTION F-F TRENCH DETAIL

SCALE 1"=40'

- DESIGNED: JRG
- DRAWN: JCR 6/04
- CHECKED: JRG 6/04
- REVISION 1: 12/12/03
- REVISION 2: 5/04/04
- REVISION 3: 6/14/04

STATE OF VERMONT
 AGENCY OF NATURAL RESOURCES
 DEPT. OF ENVIRONMENTAL CONSERVATION
 FACILITIES ENGINEERING DIVISION
 WATERBURY, VERMONT 05671-0411

PROJECT
 FORESTS, PARKS AND RECREATION
 RIRTON ISLAND MARINA

TOWN: ST. ALBANS
 STATE: VERMONT
 DATE: 6/15/04
 DATUM: N.G.D.V. 1929
 SHEET: 22 OF 22
 SCALE: AS NOTED