# DEPARTMENT OF THE ARMY PERMIT

**Permittee** Boston Edison Company, 600 Rocky Hill Road, Plymouth, MA 02360-5599

**Permit No.** 199302464

**Issuing Office** New England Division

**NOTE: The term "you" and its derivatives, as used in this permit, means the permittee or any future transferee. The term "this office" refers to the appropriate district or division office of the Corps of Engineers having jurisdiction over the permitted activity or the appropriate official of that office acting under the authority of the commanding officer.**

**You are authorized to perform work in accordance with the terms and conditions specified below.**

**Project Description:** to maintenance dredge approximately 68,000 cubic yards of predominantly silty-sand from the cooling water intake channel at the Pilgrim Nuclear Power Station in Plymouth, Massachusetts. The material will be dredged from an area within the intake channel that is approximately seven acres in size. The sediment is to be disposed at the Massachusetts Bay Disposal Site. The sediment is to be removed to restore depths of -20 feet MLW and -10 feet MLW as shown on the attached project plans. The proposed dredging will be done by mechanical or hydraulic means or a combination of the two. The cooling water intake was last dredged in 1982.

**Project Location:**

Plymouth, Massachusetts, at the Pilgrim Nuclear Power Station

**Permit Conditions:**

**General Conditions:**

**1. The time limit for completing the work authorized ends on** MAR 13 2002 **. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached.**

**2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.**

**3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.**

4. If you sell the property associated with this permit, you must obtain the signature of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.

5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.

6. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

**Special Conditions:** The permittee shall assure that a complete copy of this permit is at the work site whenever work is being performed and that all personnel performing work at the site of the work authorized by this permit are fully aware of the terms and conditions of the permit. This permit, including its drawings and any appendices and other attachments, shall be made part of any and all contracts and sub-contracts for work which affects areas of Corps of Engineers' jurisdiction at the site of the work authorized by this permit. This shall be done by including the entire permit in the specifications for the work.

SPECIAL CONDITIONS CONTINUED ON PAGE 4

Further Information:

1. Congressional Authorities: You have been authorized to undertake the activity described above pursuant to:

(X) Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403).

( ) Section 404 of the Clean Water Act (33 U.S.C. 1344).

(X) Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972 (33 U.S.C. 1413).

2. Limits of this authorization.

a. This permit does not obviate the need to obtain other Federal, state, or local authorizations required by law.

b. This permit does not grant any property rights or exclusive privileges.

c. This permit does not authorize any injury to the property or rights of others.

d. This permit does not authorize interference with any existing or proposed Federal project.

3. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:

a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.

b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.

c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.

d. Design or construction deficiencies associated with the permitted work.

e. Damage claims associated with any future modification, suspension, or revocation of this permit.

Reliance on Applicant's Data: The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

5. Reevaluation of Permit Decision. This office may reevaluate its decision on this permit at any time the circumstances warrant. *Circumstances that could require a reevaluation include, but are not limited to, the following:*

a. You fail to comply with the terms and conditions of this permit.

b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (See 4 above).

c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you to comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

6. Extensions. General condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give favorable consideration to a request for an extension of this time limit.

Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.

E T Boulitte — 3/26/97

*(PERMITTEE)* *(DATE)*

This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.

Ken Kelly — 3/19/97

*(DISTRICT ENGINEER)* *(DATE)*

J. MICHAEL BRADBURY,
LIEUTENANT COLONEL
DISTRICT ENGINEER

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

*(TRANSFEREE)* *(DATE)*



☆U.S. GOVERNMENT PRINTING OFFICE: 1988 — 717-425

(1 continued) If the permit is issued after the construction specifications but before receipt of bids or quotes, the entire permit shall be included as an addendum to the specifications. If the permit is issued after receipt of bids or quotes, the entire permit shall be included in the contract or sub-contract as a change order. The term "entire permit" includes permit amendments. Although the permittee may assign various aspects of the work to different contractors or sub-contractors, all contractors and sub-contractors shall be obligated by contract to comply with all environmental protection provisions of the entire permit, and no contract or sub-contract shall require or allow unauthorized work in areas of Corps of Engineers' jurisdiction.

2. Periodic maintenance dredging to the area and depth limits described herein is authorized for ten years from the date of issuance of this permit, provided disposal of the dredged material is at an upland site. However, the permittee must notify this office, in writing, 60 days before the intended date of any such dredging and shall not begin such dredging until written authorization has been obtained. A separate individual permit shall be required for such dredging if the material to be dredged is to be deposited in open or ocean waters and/or wetlands.

3. At least ten working days in advance of the start date, the First Coast Guard District, Aids to Navigation Office, 617-223-8338, shall be notified of the location and estimated duration of the dredging and disposal operations.

4. Every discharge of dredged material at the disposal site must be witnessed by an onboard inspector who has been trained by, and who holds a current certification from, the New England Division of the Corps of Engineers. Failure to adhere to this requirement will be considered a violation of this permit and cause for invoking its enforcement provisions, which carry substantial penalties. The inspector shall be contracted and paid for by the permittee.

5. For the initiation of disposal activity, and anytime disposal operations resume after one month or more has elapsed, the Corps must receive notification from the permittee or the permittee's representative at least ten working days in advance of the time that disposal operations will begin. Disposal operations must not begin until you receive an Authorization to Dredge letter from our Compliance Branch, which will include disposal-point coordinates for this specific project (which may differ from coordinates specified for other projects using the same disposal site). Contact the Compliance Branch, Regulatory Division by phone at 617-647-8292. The Corps will review the permit to insure compliance to that point with all permit conditions, will specify disposal-point coordinates, and will provide, on request, a list of currently certified inspectors. The permittee must assure that a separate Corps of Engineers disposal inspection report is fully completed by the inspector for every trip to the disposal site, and that this report is received by the Corps' New England Division (ATTN: Compliance Branch, Regulatory Division) within one week of the trip date. The Regulatory Division's telefax number is 617-647-8303.

(5 continued) For each dredging season during which work is performed, the permittee must notify the Corps upon completion of dredging for the season by completing and submitting the form that will be supplied by the Corps for this purpose when disposal-point coordinates are specified.

6. The permittee shall be required to release the dredged material at a specified buoy or set of coordinates within the disposal site. All disposal is to occur at the buoy with the scow at a complete halt. This requirement must be followed except when doing so will create unsafe conditions because of weather or sea state, in which case disposal within 200 feet of the buoy with the scow moving only fast enough to maintain safe control (generally less than one knot) will be permitted. Disposal shall not be permitted if these requirements cannot be met due to weather or sea conditions. In that regard, special attention needs to be given to predicted conditions prior to departing for the disposal site.

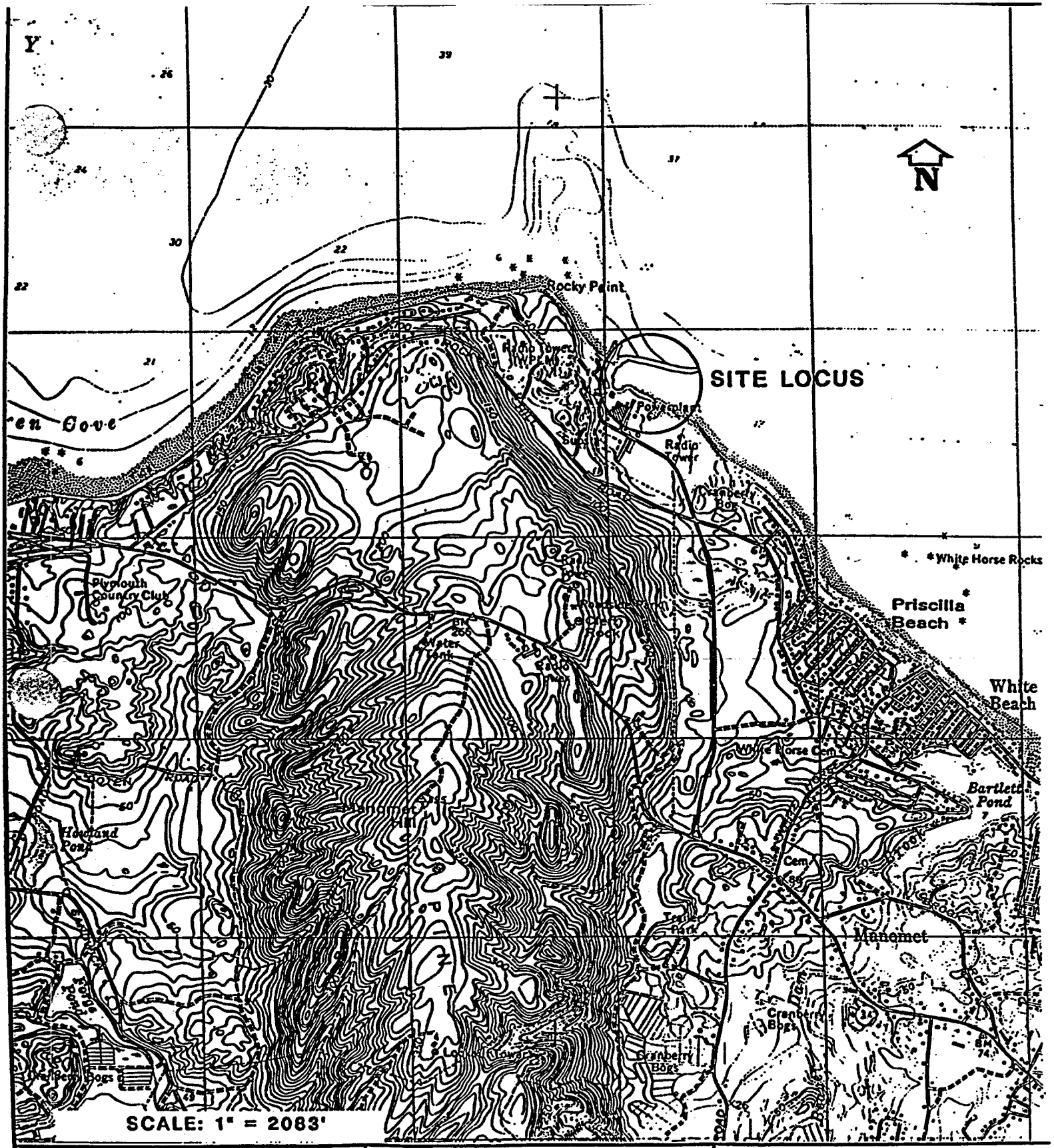
7. The Coast Guard Marine Safety Office, Boston, 617-223-3000, shall be notified prior to the start of this project.

8. Project sediments dredged hydraulically shall be subject to one of the following dewatering control measures (ANY DEVIATION FROM THE FOLLOWING CONTROL MEASURES SHALL BE COORDINATED WITH THE CORPS OF ENGINEERS):

a. dewatering using two scows: The sediment/water slurry shall be collected in the first scow and the overflow shall be directed through a weir and filter fabric to the second scow where the water shall be allowed to settle at least 12 hours, after which time it may be discharged to the intake channel.

b.dewatering using geo-textile bag: The geo-bag shall be composed of geotextile material which prevents significant leakage of fine particles (i.e. particles smaller than the standard #200 sieve). No overflow from the geo-bag's outlet port shall be allowed.

9. No dredging shall be conducted in the intake channel between April 1 through June 15 to protect spawning fish.




PURPOSE: MAINTENANCE DREDGING OF THE INTAKE CHANNEL

DATUM: MLW = 0.0
MHW = 9.6
HTL = 13.0

THE BSC GROUP, INC.
425 SUMNER STREET, BOSTON, MA 02210

# VICINITY MAP

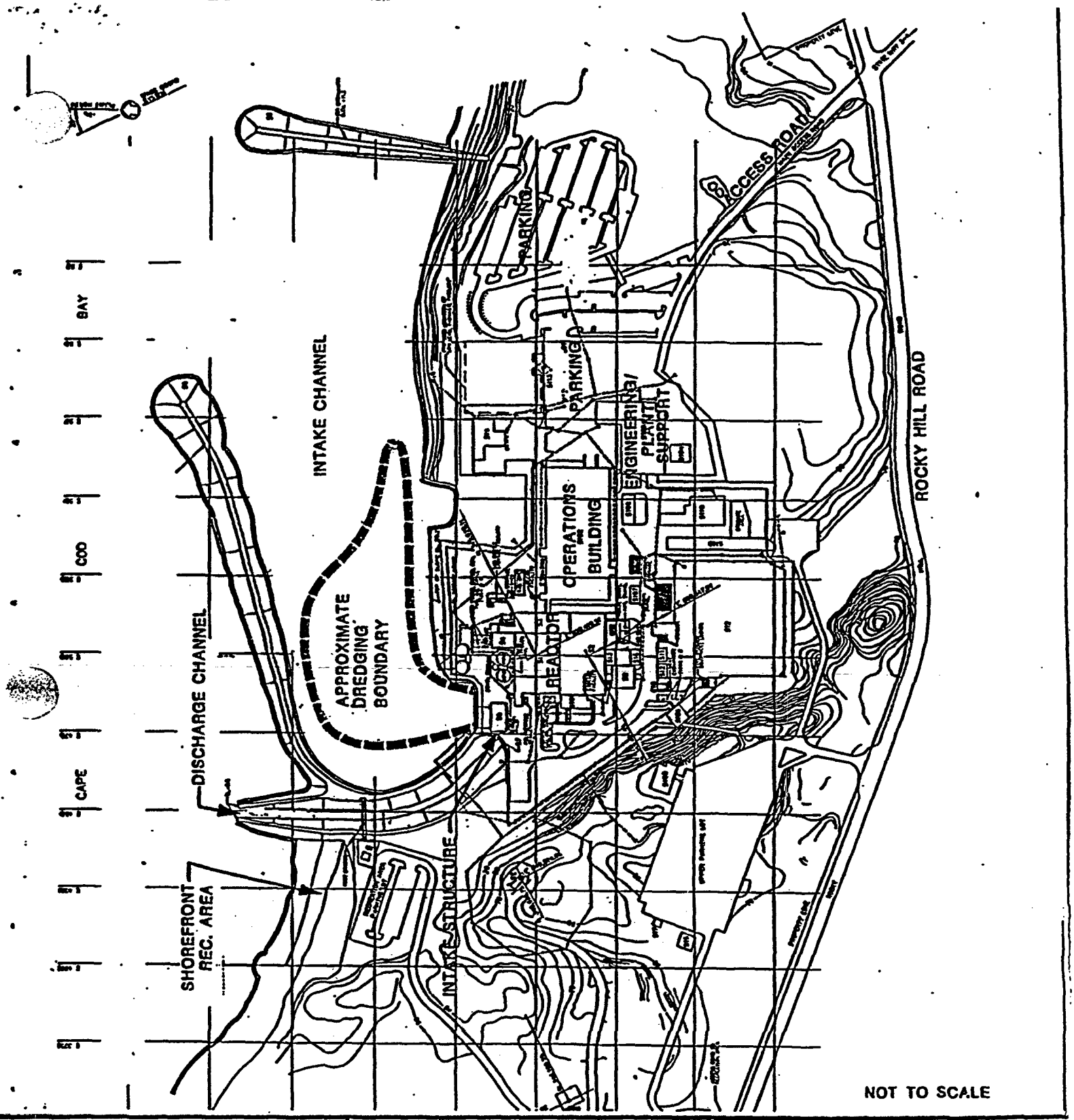
PROPOSED DREDGING PLAN IN: INTAKE CHANNEL

AT: PILGRIM NUCLEAR POWER STATION

COUNTY OF: PLYMOUTH, MA

APPLICATION BY:
BOSTON EDISON COMPANY

DATE: SEPT. 26, 1996 SHEET 1 OF 6




PURPOSE:
MAINTENANCE DREDGE
PILGRIM STATION
INTAKE CHANNEL

MLW = 0.0'
MHW = 9.6'
HTL = 13.0'

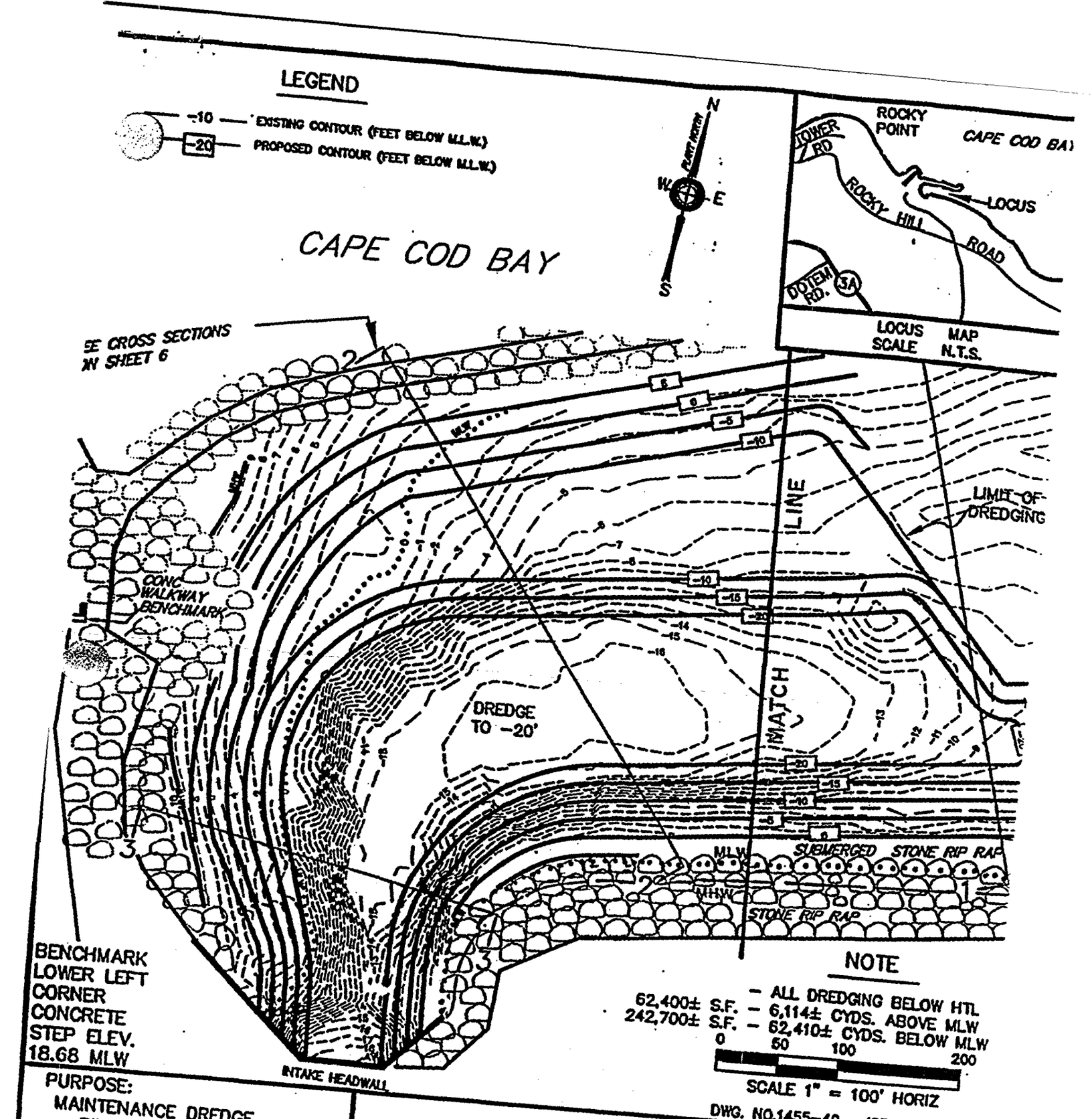
THE BSC GROUP–NORWELL INC.
293 WASHINGTON STREET
NORWELL, MA 02061

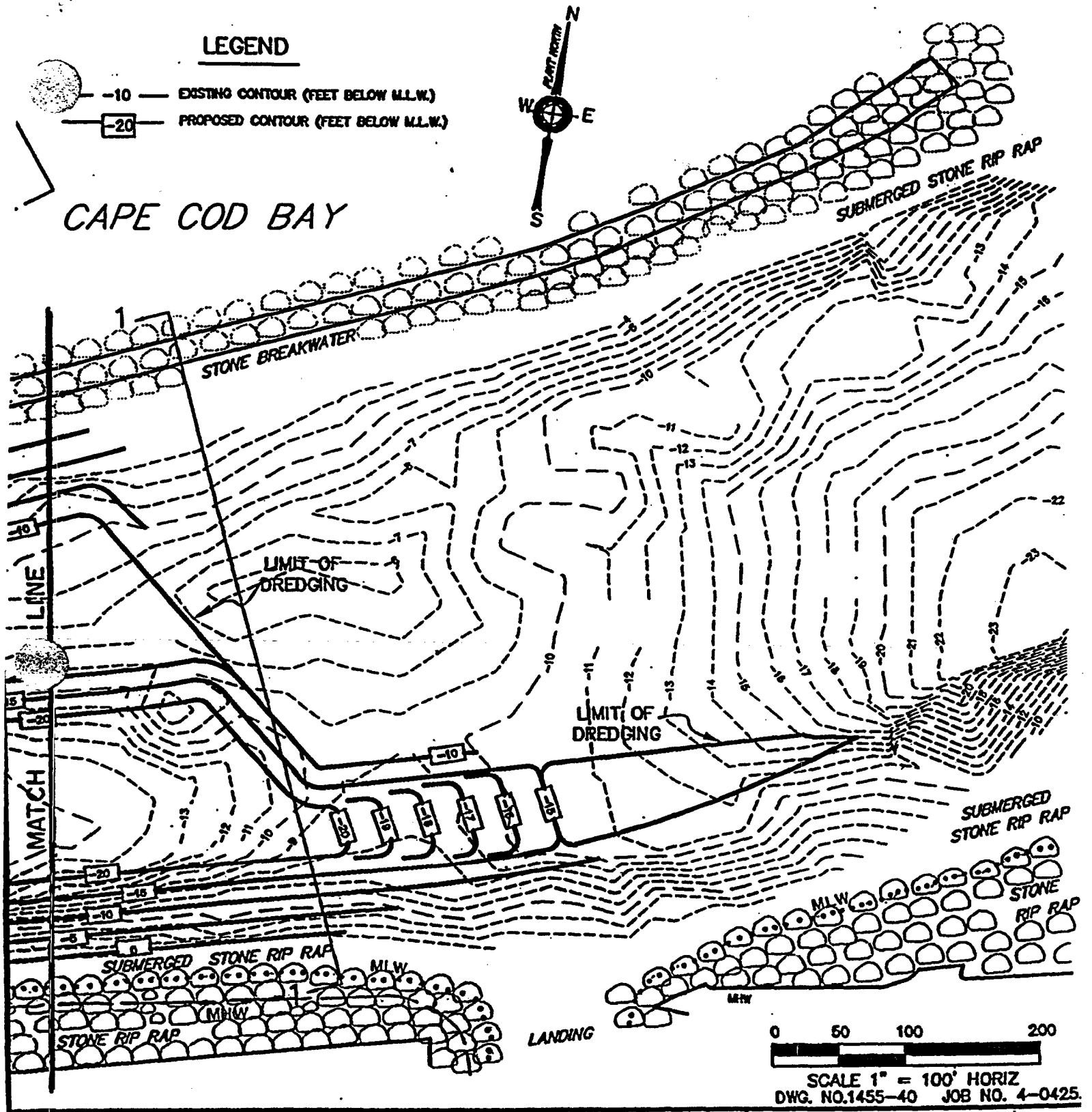
# SITE PLAN

MAINTENANCE DREDGING
OF PILGRIM STATION
AT: PLYMOUTH, MASS.
IN: CAPE COD BAY
COUNTY OF: PLYMOUTH

APPLICANT:
BOSTON EDISON COMPANY
800 BOYLSTON STREET
BOSTON, MA 02199

DATE: SEPT. 26, 1996 SHEET 2 OF 6


LEGEND
-10 EXISTING CONTOUR (FEET BELOW M.L.W.)
-20 PROPOSED CONTOUR (FEET BELOW M.L.W.)
N
W
E
S
PLANT NORTH
CAPE COD BAY
ROCKY POINT
TOWER RD
CAPE COD BAY
ROCKY HILL ROAD
LOCUS
DOTEM RD.
3A
LOCUS MAP
SCALE N.T.S.
SE CROSS SECTIONS ON SHEET 6
CONC WALKWAY BENCHMARK
DREDGE TO -20'
MATCH LINE
LIMIT OF DREDGING
MLW
MHW
SUBMERGED STONE RIP RAP
STONE RIP RAP
INTAKE HEADWALL
BENCHMARK LOWER LEFT CORNER CONCRETE STEP ELEV. 18.68 MLW
NOTE
- ALL DREDGING BELOW HTL
62,400± S.F. - 6,114± CYDS. ABOVE MLW
242,700± S.F. - 62,410± CYDS. BELOW MLW
0 50 100 200
SCALE 1" = 100' HORIZ
DWG. NO.1455-40 JOB NO. 4-0425
PURPOSE:
MAINTENANCE DREDGE
PILGRIM STATION
INTAKE CHANNEL
MLW = 0.0'
MHW = 9.6'
HTL = 13.0'
THE BSC GROUP-NORWELL INC.
293 WASHINGTON STREET
NORWELL MA 02061
DREDGING PLAN
MAINTENANCE DREDGING
OF PILGRIM STATION
AT: PLYMOUTH, MASS.
IN: CAPE COD BAY
COUNTY OF: PLYMOUTH
APPLICANT:
BOSTON EDISON COMPANY
800 BOYLSTON STREET
BOSTON, MA 02199
DATE: SEPT. 26, 1996 SHEET 3 OF




PURPOSE:
MAINTENANCE DREDGE
PILGRIM STATION
INTAKE CHANNEL

MLW = 0.0'
MHW = 9.6'
HTL = 13.0'

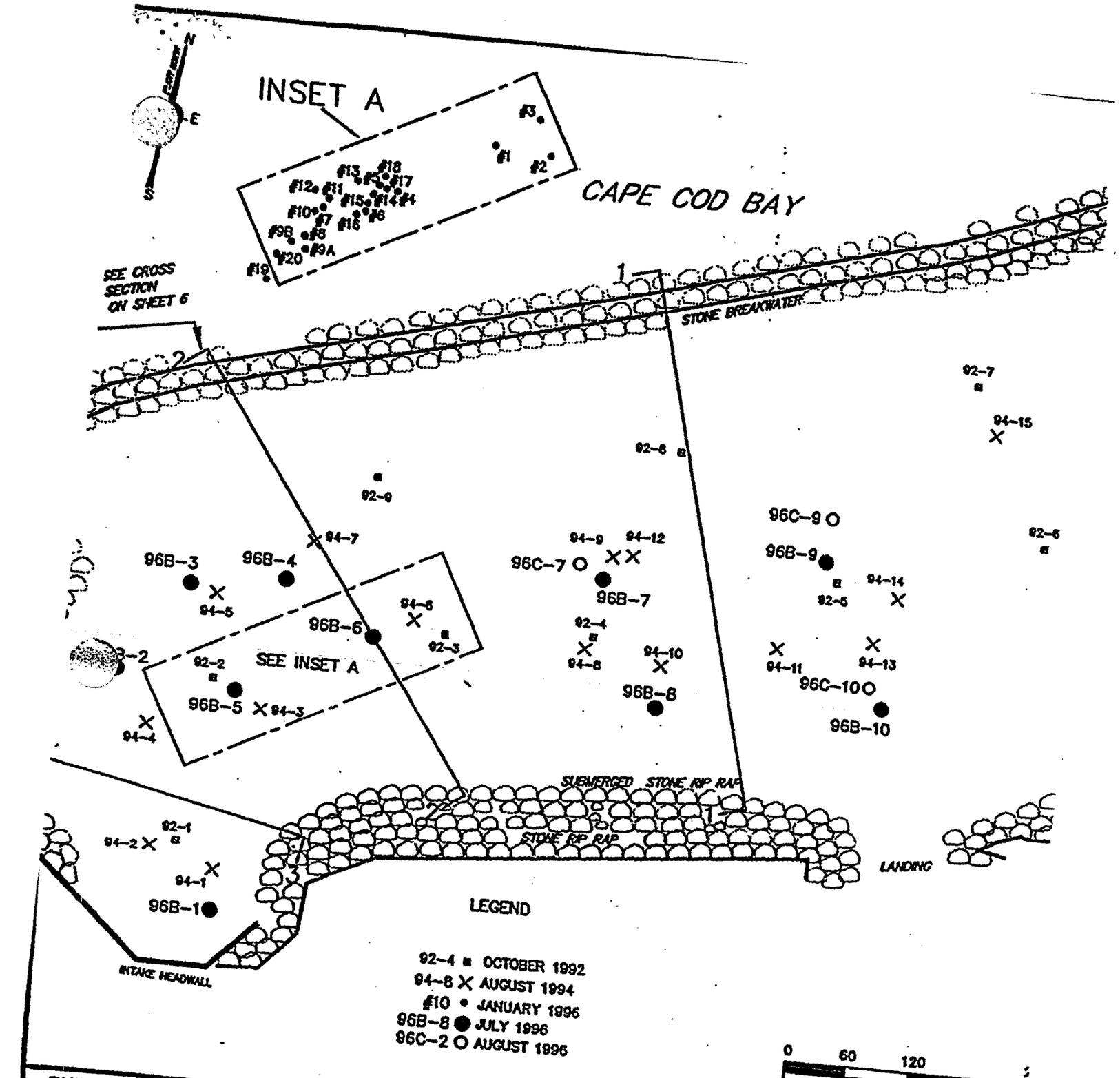
THE BSC GROUP-NORWELL INC.
293 WASHINGTON STREET
NORWELL, MA 02061

# DREDGING PLAN

MAINTENANCE DREDGING
OF PILGRIM STATION
AT: PLYMOUTH, MASS.
IN: CAPE COD BAY
COUNTY OF: PLYMOUTH

APPLICANT:
BOSTON EDISON COMPANY
800 BOYLSTON STREET
BOSTON, MA 02199

DATE: SEPT. 26, 1996 SHEET 4 OF




DWG. NO.1455-40 JOB NO. 4-0425.

PURPOSE:
MAINTENANCE DREDGE
PILGRIM STATION
INTAKE CHANNEL

MLW = 0.0'
MHW = 9.6'
HTL = 13.0'

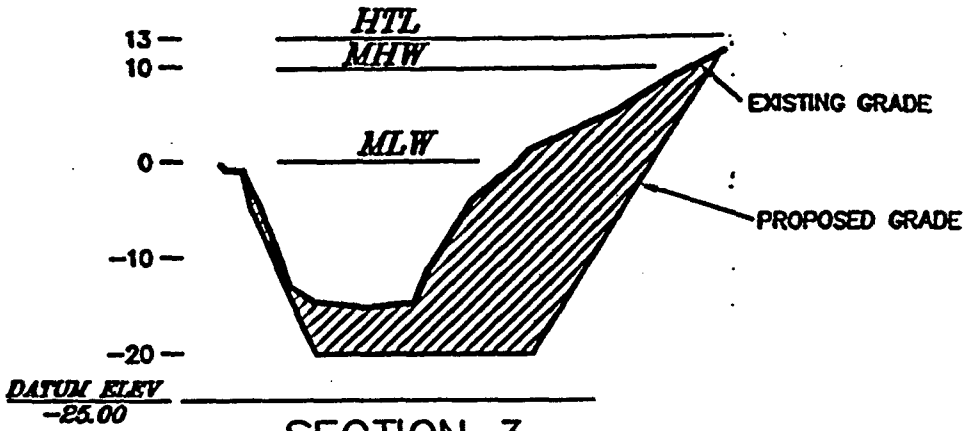
THE BSC GROUP-NORWELL INC.
293 WASHINGTON STREET
NORWELL, MA 02061

# SAMPLE LOCATION PLAN

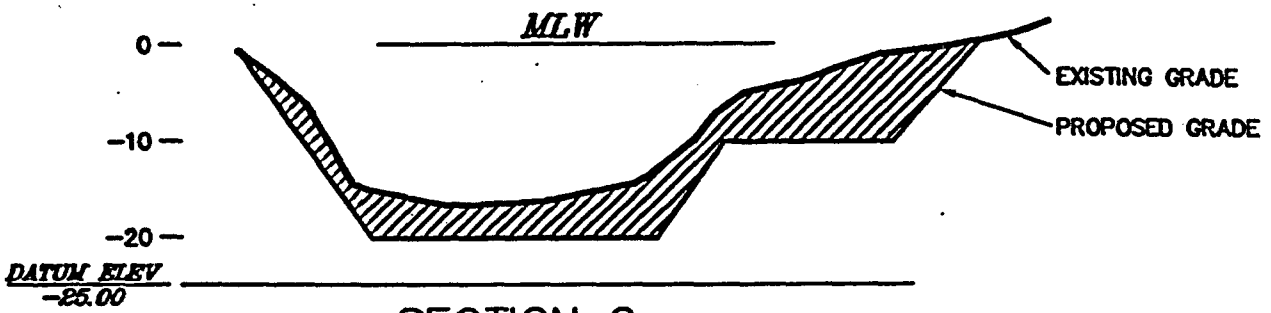
MAINTENANCE DREDGING
OF PILGRIM STATION
AT: PLYMOUTH, MASS.
IN: CAPE COD BAY
COUNTY OF: PLYMOUTH

APPLICANT:
BOSTON EDISON COMPANY
800 BOYLSTON STREET
BOSTON, MA 02199

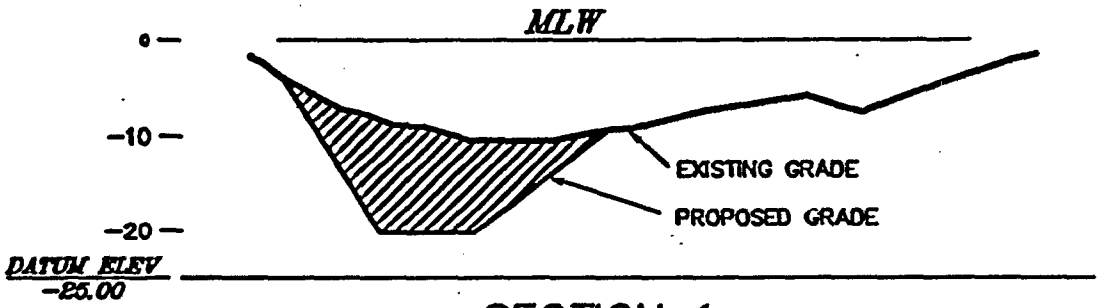
DATE: SEPT. 26, 1996 SHEET 5 OF




SECTION 3




SECTION 2




SECTION 1

QUANTITY OF DREDGE MATERIAL AVAILABLE

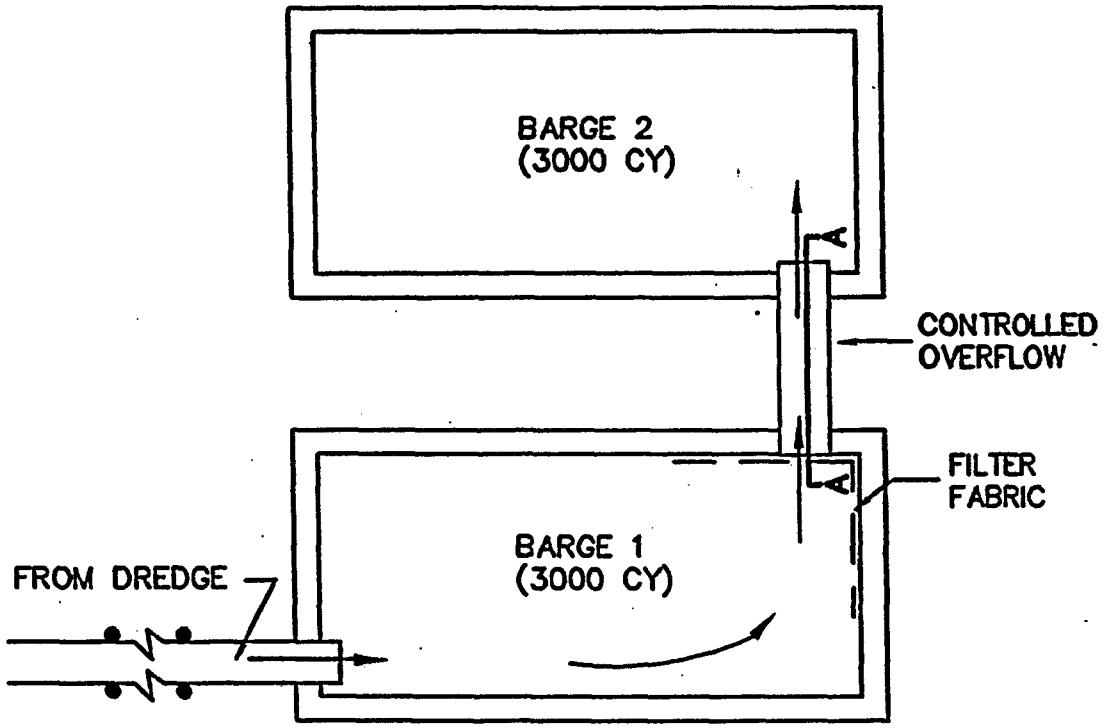
60,525± C.Y. TO GRADE
(8,000± C.Y. AVAILABLE TO 1' OF OVERDEPTH)
= 68,525± C.Y. TOTAL AVAILABLE TO GRADE

0 50 100 200

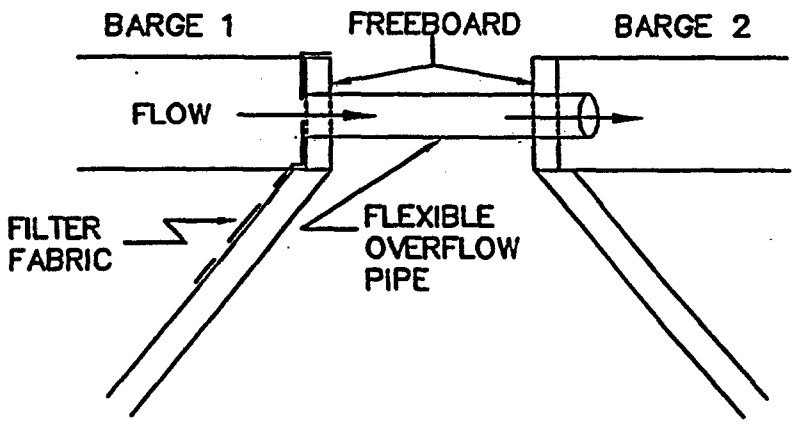
SCALE 1" = 100' HORIZ
SCALE 1" = 20' VERT.

DWG. NO.1455-40 JOB NO. 4-0425.0

| | | |
|---|---|---|
| PURPOSE:<br>MAINTENANCE DREDGE<br>PILGRIM STATION<br>INTAKE CHANNEL<br><br>MLW = 0.0'<br>MHW = 9.6'<br>HTL = 13.0'<br><br>THE BSC GROUP-NORWELL INC.<br>293 WASHINGTON STREET<br>NORWELL, MA 02061 | CROSS<br>SECTION<br>PLAN | MAINTENANCE DREDGING<br>OF PILGRIM STATION<br>AT: PLYMOUTH, MASS.<br>IN: CAPE COD BAY<br>COUNTY OF: PLYMOUTH<br><br>APPLICANT:<br>BOSTON EDISON COMPANY<br>800 BOYLSTON STREET<br>BOSTON, MA 02199<br><br>DATE: SEPT. 26, 1996 SHEET 6 OF 6 |




## SECTION A–A




NOT TO SCALE

PURPOSE:
MAINTENANCE DREDGE
PILGRIM STATION
INTAKE CHANNEL
MLW = 0.0
MHW = 9.6
MTL = 13.0'

THE BSC GROUP–NORWELL INC.
293 WASHINGTON STREET
NORWELL, MA 02061

# CONCEPTUAL BARGE DEWATERING SCHEME

MAINTENANCE DREDGING
OF PILGRIM STATION
AT: PLYMOUTH, MASS.
IN: CAPE COD BAY
COUNTY OF: PLYMOUTH

APPLICANT:
BOSTON EDISON COMPANY
800 BOYLSTON STREET
BOSTON, MA 021[illegible]

DATE: SEPT. 26, 1996

# WORK START NOTIFICATION FORM
(Minimum Advance Notice: Two Weeks)

**********
* MAIL TO: Corps of Engineers, New England Division *
* Regulatory Division, Compliance Branch *
* 424 Trapelo Road *
* Waltham, Massachusetts 02254-9149 *
**********

A Corps of Engineers Permit (No.199302464) was issued to the Boston Edison Company. The permit authorized maintenance dredging of 68,000 cubic yards of sediment with disposal at the Massachusetts Bay Disposal Site.

The people (e.g., contractor) listed below will do the work, and they understand the permit's conditions and limitations.

PLEASE PRINT OR TYPE

Name of Person/Firm: _____

Business Address: _____

_____

_____

Telephone Number: Area code ( ) _____

Proposed Work Dates: Start: _____

Finish: _____

_____ _____
PERMITTEE'S SIGNATURE DATE

_____ _____
PRINTED NAME TITLE

**********
* FOR USE BY THE CORPS OF ENGINEERS *
*
* PM: Timmermann Submittals Required: None *
*
* Inspection Recommendation: _____ *
**********

Licensing Correspondence Control Sheet

Other Correspondence 5.97.030 Date: March 13, 1997

Distribution: *Cover Sheet Only

| | | | | | |
|---|---|---|---|---|---|
| Licensing File | #1 | N. L. Desmond* | #1 | J. D. Keyes | #1 |
| J. Keene | #1 | W. R. Kline* | #33 | T. A. Sullivan* | #56 |
| J. Manning | #9 | H. V. Oheim* | #EXEC | L. J. Olivier* | EXEC |
| D. Tarantino | #16 | T. F. White* | #9 | E. T. Boulette* | #12 |
| | | W. G. Lobo* | #1 | R. D. Anderson* | #1 |

Title: Army Corps of Engineers (ACE) Dredging Permit

Date Received: 3/19/97

Summary: The dredging permit, once countersigned by BECo, will authorize dredging the intake canal within the bounds of special conditions specified therein. The permit has received BECo legal review; ACE clarification of conditions was recommended.

Lead Licensing Engineer: J. W. Keene JWK

Action:
1) Clarify conditions of the permit with ACE (J. W. Keene)
2) Countersign copies of permit; return to ACE (ETB/J. W. Keene)

5OTHER/JWK/avf/597030

DEPARTMENT OF THE ARMY
NEW ENGLAND DIVISION, CORPS OF ENGINEERS
424 TRAPELO ROAD
WALTHAM, MASSACHUSETTS 02254-9149

REPLY TO
ATTENTION OF

March 13, 1997

Regulatory Division
CENED-OD-R-199302464

Jeffrey Keene
Boston Edison Company
Pilgrim Nuclear Power Station
600 Rocky Hill Road
Plymouth, Massachusetts 02360-5599

Dear Mr. Keene:

Enclosed are two copies of a Department of the Army permit authorizing the work described therein.

Your signature is necessary to execute this permit. If the conditions are acceptable, please sign both copies and return one signed copy to us. A fee of $100.00 is required. Please enclose a check made payable to "FAO New England Division", and return it with the signed permit copy. Please ensure your address and social security number, or tax identification number for businesses, are on the check.

You must post the enclosed ENG form 4336 (i.e., Notice of Authorization) in a conspicuous location at the job site whenever work is ongoing. Also, this permit requires you to notify us before beginning work and allow us to inspect the project. Hence, you must complete and return the attached Work Start Notification Form to this office no later than two weeks before the anticipated starting date.

This permit is a limited authorization containing a specific set of conditions. Please read the permit thoroughly to familiarize yourself with those conditions, including any conditions contained on the attached state water quality certification. If a contractor does the work for you, both you and the contractor are responsible for ensuring that the work is done in compliance with the permit's terms and conditions.

The proposed work must be performed in compliance with all terms and conditions of the permit, as violations could result in civil or criminal penalties.

If the plans or construction methods (i.e., for work in our jurisdiction) need to be changed, please contact us immediately to discuss modification of your permit. Before changes may be undertaken, they must be approved by this office.

Every discharge of dredged material must be witnessed by an onboard, Corps-certified inspector. The dredged material must be released at a specified buoy or set of coordinates within the disposal site. You must notify the Compliance Branch, Regulatory Division by phone at 617-647-8292 at least ten working days in advance of the time that disposal operations will begin so that specific coordinates for your project can be sent to you. This phone notification requirement is in addition to the requirement for submission of the Work Start Notification Form as previously stated in this letter.

Finally, please note that the Department of the Army permit process does not supersede any other agency's jurisdiction. Hence, if other federal, state, and/or local agencies have jurisdiction over your project, you must receive all applicable permits before you may begin work.

If you have any questions regarding this correspondence, please contact Timothy Timmermann at 617-647-8492 or 800-343-4789, 800-363-4367 within Massachusetts.

Sincerely,

William F. Lawless, P.E.
Chief, Regulatory Division
Operations Directorate

Enclosures

Copy Furnished:

Steven Klementowicz
Office of Nuclear Reactor Regulation
Mail Stop OWF 9H15
United States Nuclear Regulatory Commission
1 White Flint North
11555 Rockville Pike
Rockville, MD 20852

# WORK START NOTIFICATION FORM
(Minimum Advance Notice: Two Weeks)

**********
* MAIL TO: Corps of Engineers, New England Division *
* Regulatory Division, Compliance Branch *
* 424 Trapelo Road *
* Waltham, Massachusetts 02254-9149 *
**********

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The people (e.g., contractor) listed below will do the work, and they understand the permit's conditions and limitations.

PLEASE PRINT OR TYPE

Name of Person/Firm: _____

Business Address: _____

_____

_____

Telephone Number: Area code ( ) _____

Proposed Work Dates: Start: _____

Finish: _____

_____ _____
PERMITTEE'S SIGNATURE DATE

_____ _____
PRINTED NAME TITLE

**********
* FOR USE BY THE CORPS OF ENGINEERS *
*
* PM: Timmermann Submittals Required: None *
*
* Inspection Recommendation: _____ *
**********

# DEPARTMENT OF THE ARMY PERMIT

Permittee Boston Edison Company, 600 Rocky Hill Road, Plymouth, MA 02360-5599

Permit No. 199302464

Issuing Office New England Division

NOTE: The term "you" and its derivatives, as used in this permit, means the permittee or any future transferee. The term "this office" refers to the appropriate district or division office of the Corps of Engineers having jurisdiction over the permitted activity or the appropriate official of that office acting under the authority of the commanding officer.

You are authorized to perform work in accordance with the terms and conditions specified below.

Project Description: to maintenance dredge approximately 68,000 cubic yards of predominantly silty-sand from the cooling water intake channel at the Pilgrim Nuclear Power Station in Plymouth, Massachusetts. The material will be dredged from an area within the intake channel that is approximately seven acres in size. The sediment is to be disposed at the Massachusetts Bay Disposal Site. The sediment is to be removed to restore depths of -20 feet MLW and -10 feet MLW as shown on the attached project plans. The proposed dredging will be done by mechanical or hydraulic means or a combination of the two. The cooling water intake was last dredged in 1982.

Project Location:

Plymouth, Massachusetts, at the Pilgrim Nuclear Power Station

Permit Conditions:

General Conditions:

1. The time limit for completing the work authorized ends on MAR 13 2002. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached.

2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.

3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

4. If you sell the property associated with this permit, you must obtain the signature of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.

5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.

6. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

Special Conditions: The permittee shall assure that a complete copy of this permit is at the work site whenever work is being performed and that all personnel performing work at the site of the work authorized by this permit are fully aware of the terms and conditions of the permit. This permit, including its drawings and any appendices and other attachments, shall be made part of any and all contracts and sub-contracts for work which affects areas of Corps of Engineers' jurisdiction at the site of the work authorized by this permit. This shall be done by including the entire permit in the specifications for the work.

SPECIAL CONDITIONS CONTINUED ON PAGE 4

Further Information:

1. Congressional Authorities: You have been authorized to undertake the activity described above pursuant to:

(X) Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403).

( ) Section 404 of the Clean Water Act (33 U.S.C. 1344).

(X) Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972 (33 U.S.C. 1413).

2. Limits of this authorization.

a. This permit does not obviate the need to obtain other Federal, state, or local authorizations required by law.

b. This permit does not grant any property rights or exclusive privileges.

c. This permit does not authorize any injury to the property or rights of others.

d. This permit does not authorize interference with any existing or proposed Federal project.

3. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:

a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.

b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.

c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.

d. Design or construction deficiencies associated with the permitted work.

e. Damage claims associated with any future modification, suspension, or revocation of this permit.

4. Reliance on Applicant's Data: The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

5. Reevaluation of Permit Decision. This office may reevaluate its decision on this permit at any time the circumstances warrant. *Circumstances that could require a reevaluation include, but are not limited to, the following:*

a. You fail to comply with the terms and conditions of this permit.

b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (See 4 above).

c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you to comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

6. Extensions. General condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give favorable consideration to a request for an extension of this time limit.

Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.

*(PERMITTEE)* *(DATE)*

This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.

*(DISTRICT ENGINEER)* 3/13/92 *(DATE)*

J. MICHAEL BRADBURY,
LIEUTENANT COLONEL
DISTRICT ENGINEER

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

*(TRANSFEREE)* *(DATE)*



☆U.S. GOVERNMENT PRINTING OFFICE: 1988 — 717-425

permit (reqdocs)

SPECIAL CONDITIONS CONTINUED FROM PAGE 2

(1 continued) If the permit is issued after the construction specifications but before receipt of bids or quotes, the entire permit shall be included as an addendum to the specifications. If the permit is issued after receipt of bids or quotes, the entire permit shall be included in the contract or sub-contract as a change order. The term "entire permit" includes permit amendments. Although the permittee may assign various aspects of the work to different contractors or sub-contractors, all contractors and sub-contractors shall be obligated by contract to comply with all environmental protection provisions of the entire permit, and no contract or sub-contract shall require or allow unauthorized work in areas of Corps of Engineers' jurisdiction.

2. Periodic maintenance dredging to the area and depth limits described herein is authorized for ten years from the date of issuance of this permit, provided disposal of the dredged material is at an upland site. However, the permittee must notify this office, in writing, 60 days before the intended date of any such dredging and shall not begin such dredging until written authorization has been obtained. A separate individual permit shall be required for such dredging if the material to be dredged is to be deposited in open or ocean waters and/or wetlands.

3. At least ten working days in advance of the start date, the First Coast Guard District, Aids to Navigation Office, 617-223-8338, shall be notified of the location and estimated duration of the dredging and disposal operations.

4. Every discharge of dredged material at the disposal site must be witnessed by an onboard inspector who has been trained by, and who holds a current certification from, the New England Division of the Corps of Engineers. Failure to adhere to this requirement will be considered a violation of this permit and cause for invoking its enforcement provisions, which carry substantial penalties. The inspector shall be contracted and paid for by the permittee.

5. For the initiation of disposal activity, and anytime disposal operations resume after one month or more has elapsed, the Corps must receive notification from the permittee or the permittee's representative at least ten working days in advance of the time that disposal operations will begin. Disposal operations must not begin until you receive an Authorization to Dredge letter from our Compliance Branch, which will include disposal-point coordinates for this specific project (which may differ from coordinates specified for other projects using the same disposal site). Contact the Compliance Branch, Regulatory Division by phone at 617-647-8292. The Corps will review the permit to insure compliance to that point with all permit conditions, will specify disposal-point coordinates, and will provide, on request, a list of currently certified inspectors. The permittee must assure that a separate Corps of Engineers disposal inspection report is fully completed by the inspector for every trip to the disposal site, and that this report is received by the Corps' New England Division (ATTN: Compliance Branch, Regulatory Division) within one week of the trip date. The Regulatory Division's telefax number is 617-647-8303.

SPECIAL CONDITIONS CONTINUED FROM PAGE 4

(5 continued) For each dredging season during which work is performed, the permittee must notify the Corps upon completion of dredging for the season by completing and submitting the form that will be supplied by the Corps for this purpose when disposal-point coordinates are specified.

6. The permittee shall be required to release the dredged material at a specified buoy or set of coordinates within the disposal site. All disposal is to occur at the buoy with the scow at a complete halt. This requirement must be followed except when doing so will create unsafe conditions because of weather or sea state, in which case disposal within 200 feet of the buoy with the scow moving only fast enough to maintain safe control (generally less than one knot) will be permitted. Disposal shall not be permitted if these requirements cannot be met due to weather or sea conditions. In that regard, special attention needs to be given to predicted conditions prior to departing for the disposal site.

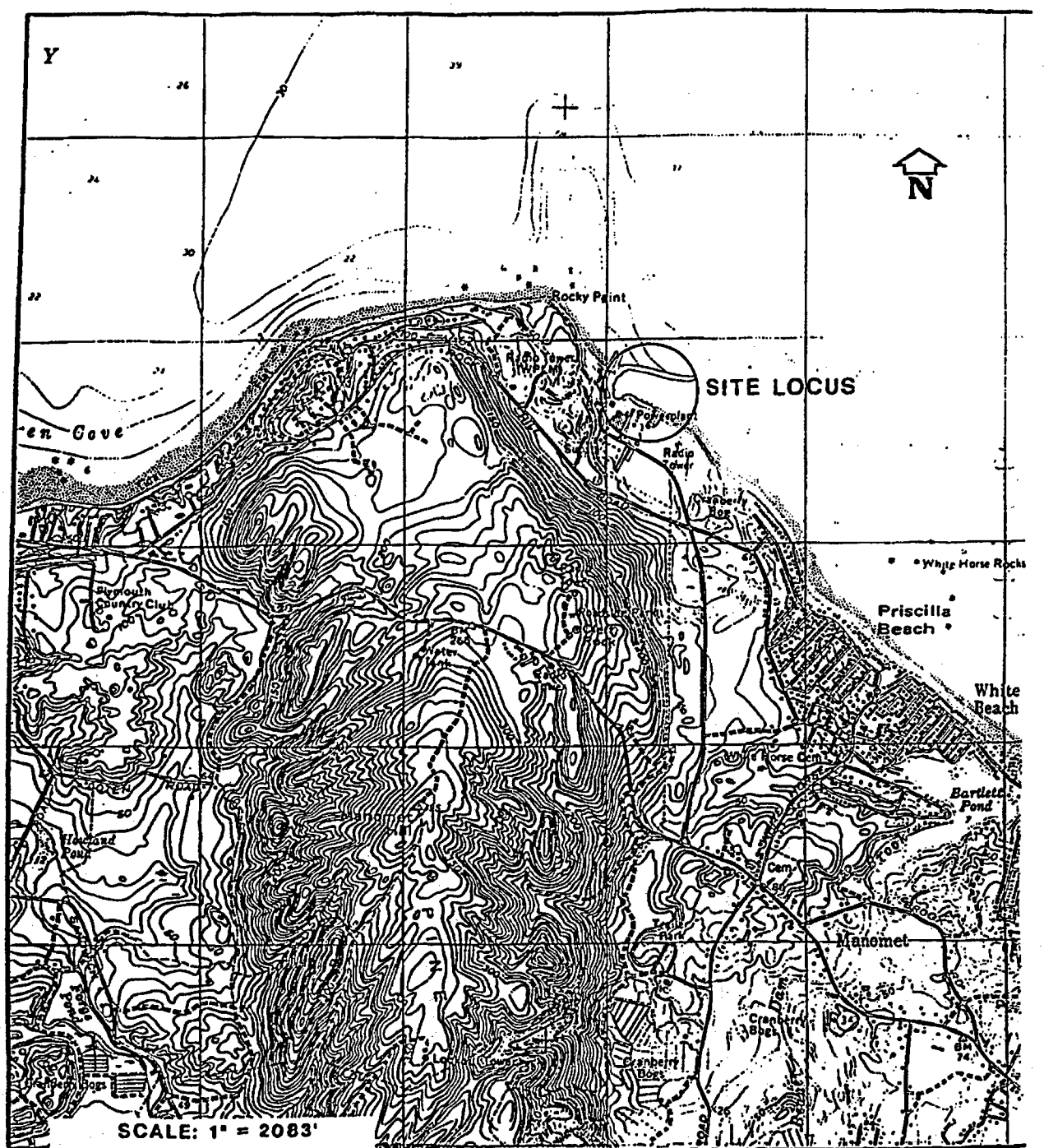
7. The Coast Guard Marine Safety Office, Boston, 617-223-3000, shall be notified prior to the start of this project.

8. Project sediments dredged hydraulically shall be subject to one of the following dewatering control measures (ANY DEVIATION FROM THE FOLLOWING CONTROL MEASURES SHALL BE COORDINATED WITH THE CORPS OF ENGINEERS):

a. dewatering using two scows: The sediment/water slurry shall be collected in the first scow and the overflow shall be directed through a weir and filter fabric to the second scow where the water shall be allowed to settle at least 12 hours, after which time it may be discharged to the intake channel.

b.dewatering using geo-textile bag: The geo-bag shall be composed of geotextile material which prevents significant leakage of fine particles (i.e. particles smaller than the standard #200 sieve). No overflow from the geo-bag's outlet port shall be allowed.

9. No dredging shall be conducted in the intake channel between April 1 through June 15 to protect spawning fish.




PURPOSE: MAINTENANCE DREDGING OF THE INTAKE CHANNEL

DATUM: MLW = 0.0
MHW = 9.6
HTL = 13.0

THE BSC GROUP, INC.
425 SUMNER STREET, BOSTON, MA 02210

# VICINITY MAP

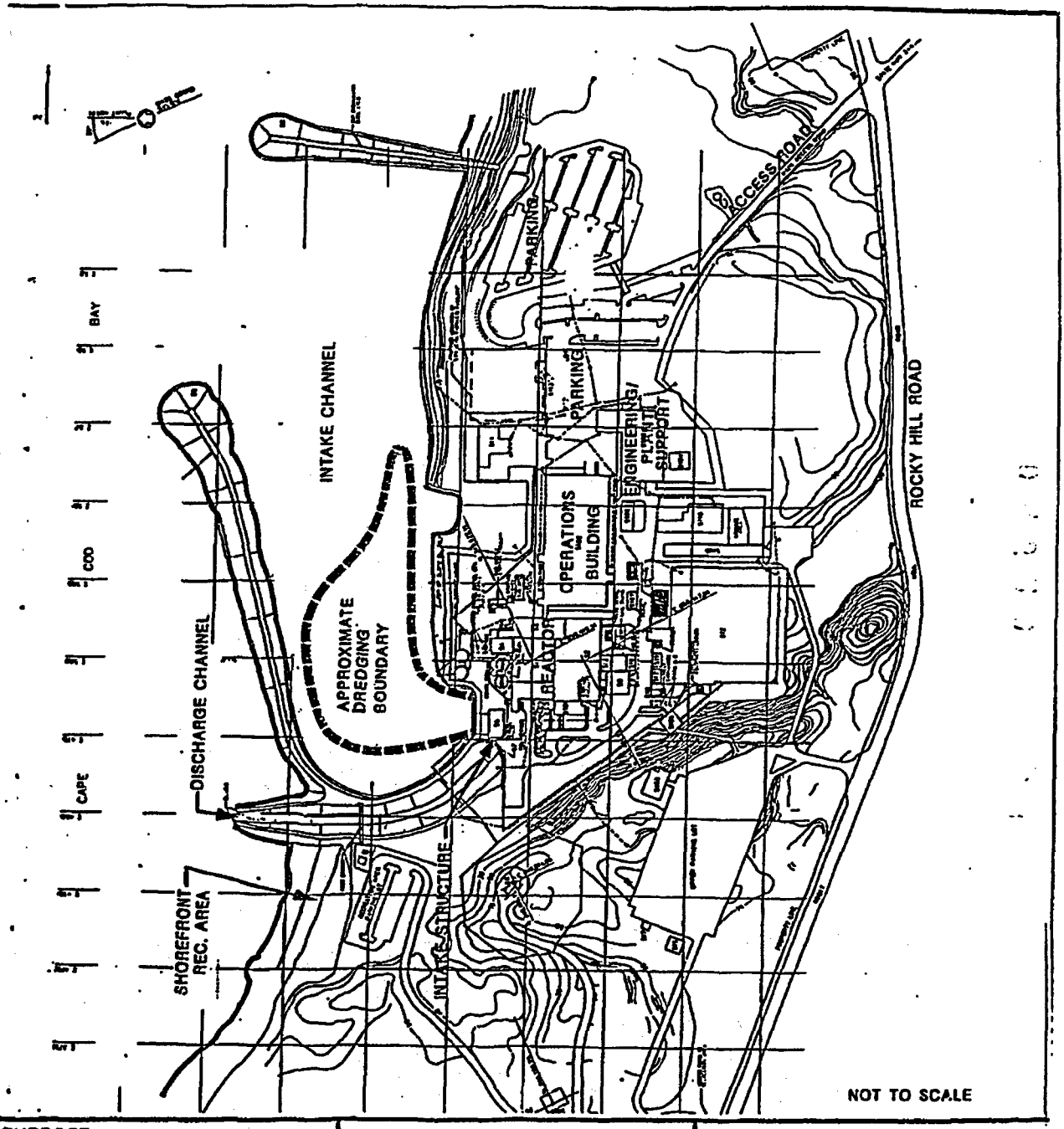
PROPOSED DREDGING PLAN IN: INTAKE CHANNEL

AT: PILGRIM NUCLEAR POWER STATION

COUNTY OF: PLYMOUTH, MA

APPLICATION BY:
BOSTON EDISON COMPANY

DATE: SEPT. 26, 1986 SHEET 1 OF 6




PURPOSE:
MAINTENANCE DREDGE
PILGRIM STATION
INTAKE CHANNEL

MLW = 0.0'
MHW = 9.6'
HTL = 13.0'

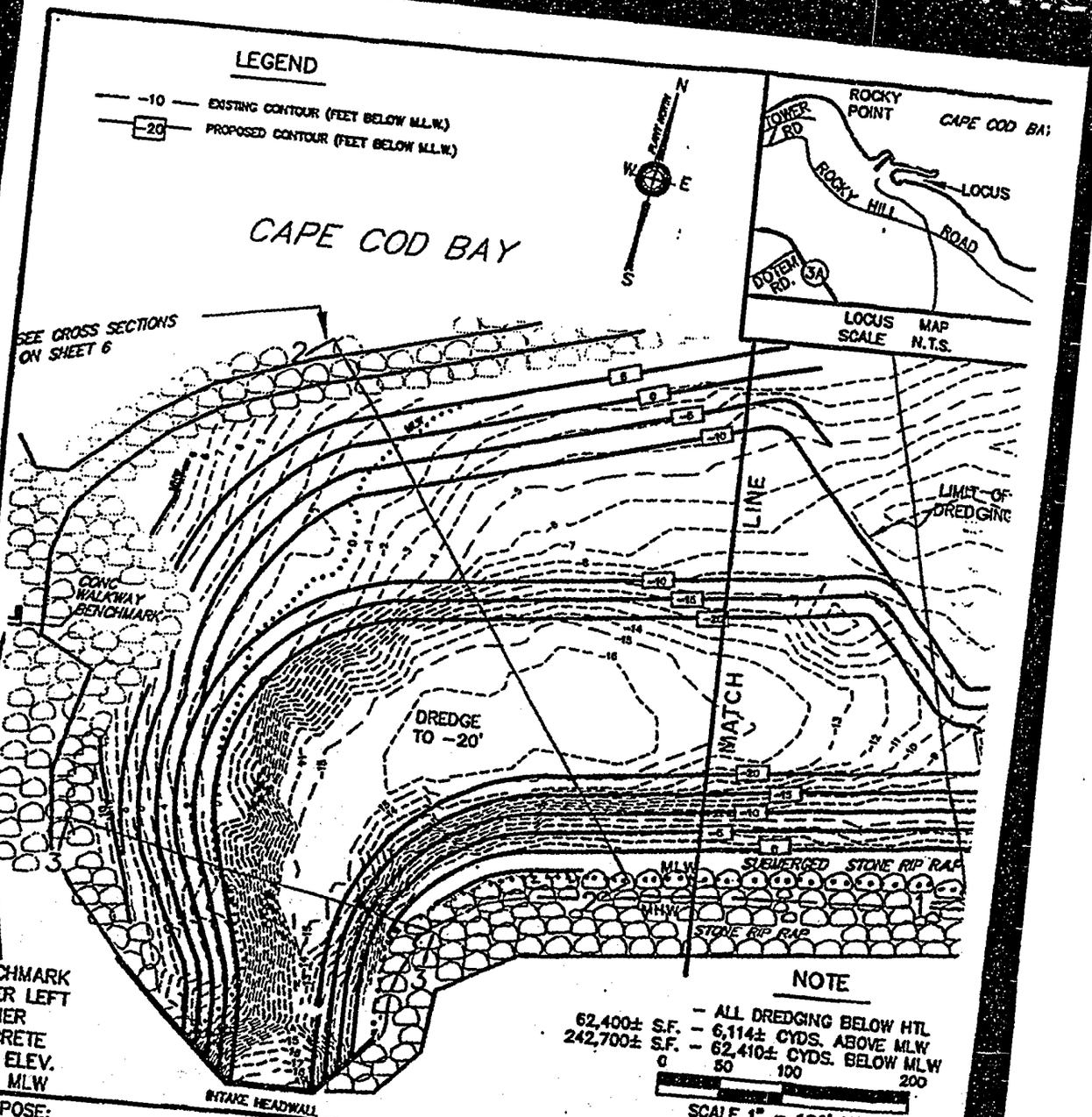
THE BSC GROUP–NORWELL INC.
293 WASHINGTON STREET
NORWELL, MA 02061

SITE
PLAN

MAINTENANCE DREDGING
OF PILGRIM STATION
AT: PLYMOUTH, MASS.
IN: CAPE COD BAY
COUNTY OF: PLYMOUTH

APPLICANT:
BOSTON EDISON COMPANY
800 BOYLSTON STREET
BOSTON, MA 02199

DATE: SEPT. 26, 1986 SHEET 2 OF 6




BENCHMARK
LOWER LEFT
CORNER
CONCRETE
STEP ELEV.
18.68 MLW

NOTE

62,400± S.F. – ALL DREDGING BELOW HTL
242,700± S.F. – 6,114± CYDS. ABOVE MLW
– 62,410± CYDS. BELOW MLW

0 50 100 200

SCALE 1" = 100' HORIZ

DWG. NO.1455-40 JOB NO. 4-0425

PURPOSE:
MAINTENANCE DREDGE
PILGRIM STATION
INTAKE CHANNEL

MLW = 0.0'
MHW = 9.6'
HTL = 13.0'

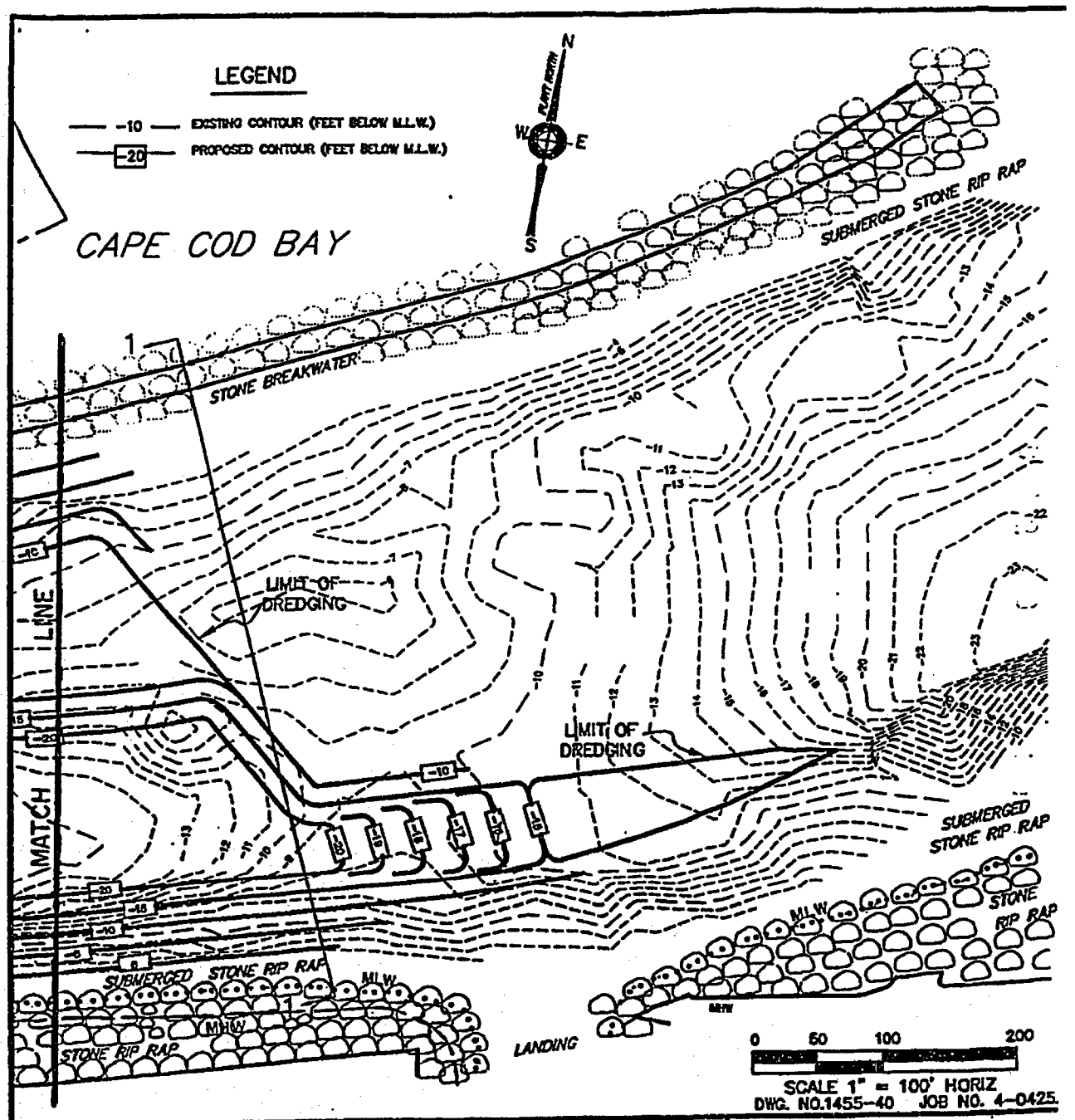
THE BSC GROUP–NORWELL INC.
293 WASHINGTON STREET
NORWELL MA 02061

# DREDGING PLAN

MAINTENANCE DREDGING
OF PILGRIM STATION
AT: PLYMOUTH, MASS.
IN: CAPE COD BAY
COUNTY OF: PLYMOUTH

APPLICANT:
BOSTON EDISON COMPANY
800 BOYLSTON STREET
BOSTON, MA 02199

DATE: SEPT. 28, 1996 SHEET 3 OF




PURPOSE:
MAINTENANCE DREDGE
PILGRIM STATION
INTAKE CHANNEL

MLW = 0.0'
MHW = 9.6'
HTL = 13.0'

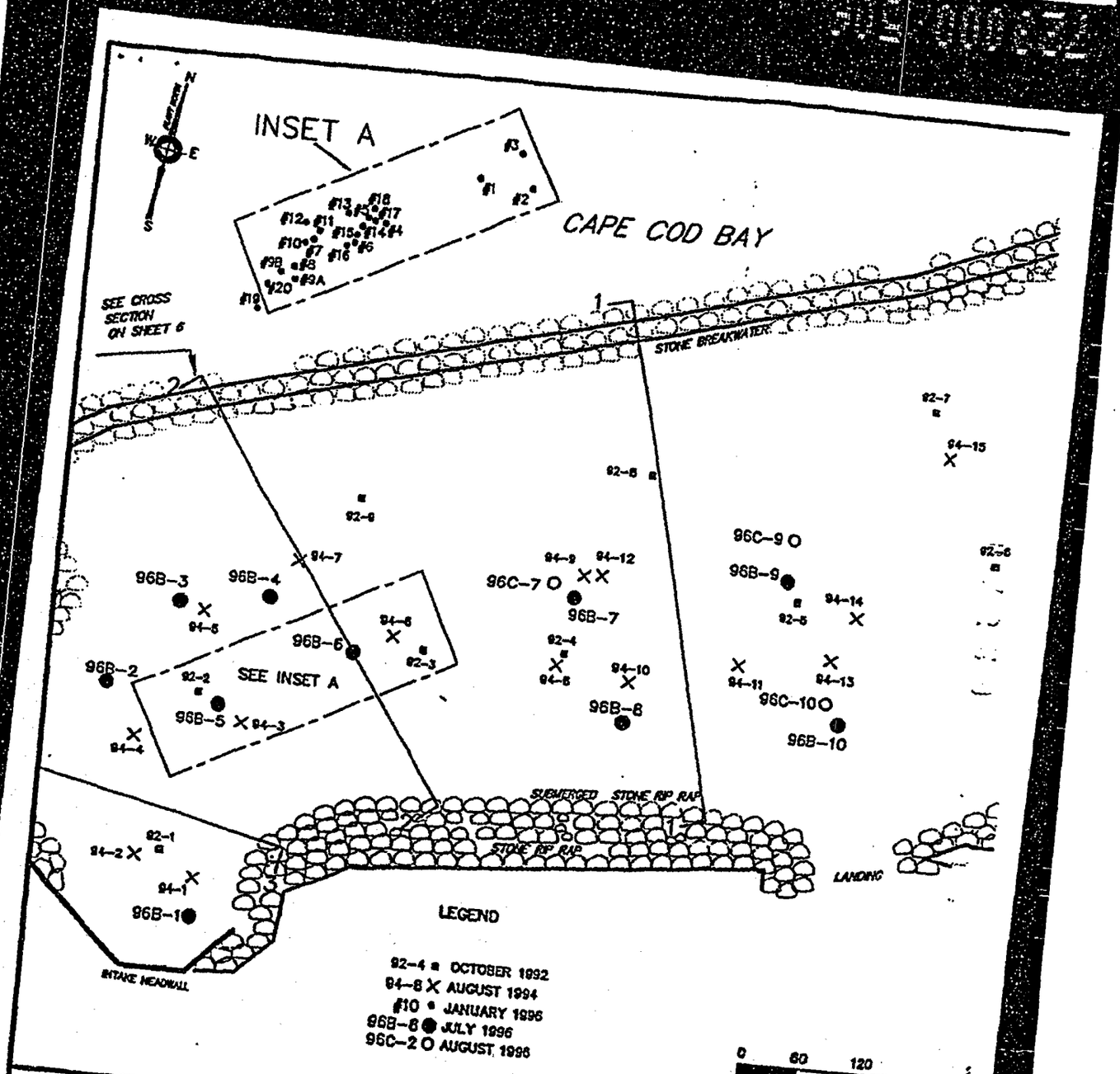
THE BSC GROUP-NORWELL INC.
293 WASHINGTON STREET
NORWELL, MA 02061

# DREDGING PLAN

MAINTENANCE DREDGING
OF PILGRIM STATION
AT: PLYMOUTH, MASS.
IN: CAPE COD BAY
COUNTY OF: PLYMOUTH

APPLICANT:
BOSTON EDISON COMPANY
800 BOYLSTON STREET
BOSTON, MA 02199

DATE: SEPT. 26, 1996 SHEET 4 OF




DWG. NO.1455-40 JOB NO. 4-0425.

PURPOSE:
MAINTENANCE DREDGE
PILGRIM STATION
INTAKE CHANNEL

MLW = 0.0'
MHW = 9.6'
HTL = 13.0'

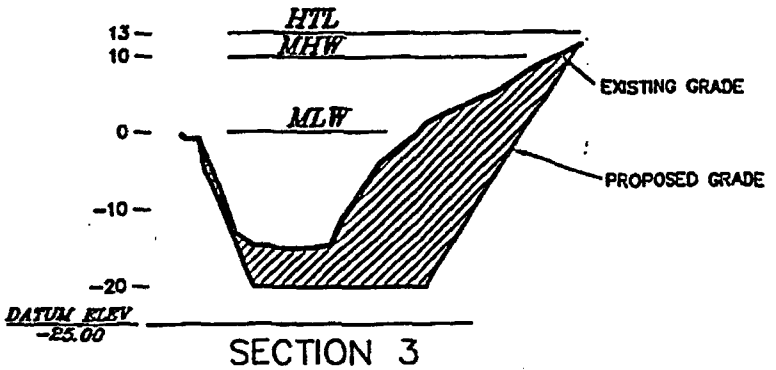
THE BSC GROUP-NORWELL INC.
293 WASHINGTON STREET
NORWELL, MA 02061

# SAMPLE LOCATION PLAN

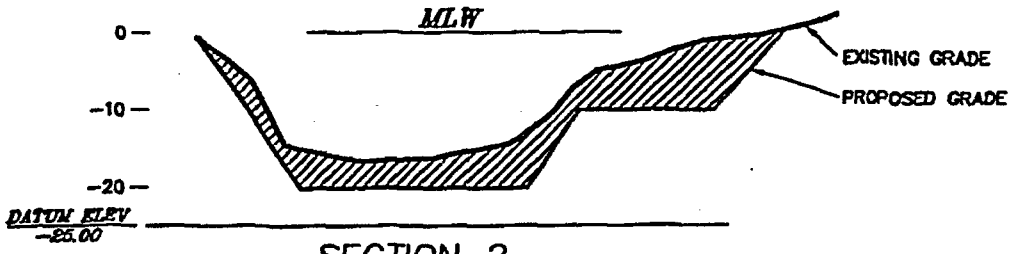
MAINTENANCE DREDGING
OF PILGRIM STATION
AT: PLYMOUTH, MASS.
IN: CAPE COD BAY
COUNTY OF: PLYMOUTH

APPLICANT:
BOSTON EDISON COMPANY
800 BOYLSTON STREET
BOSTON, MA 02199

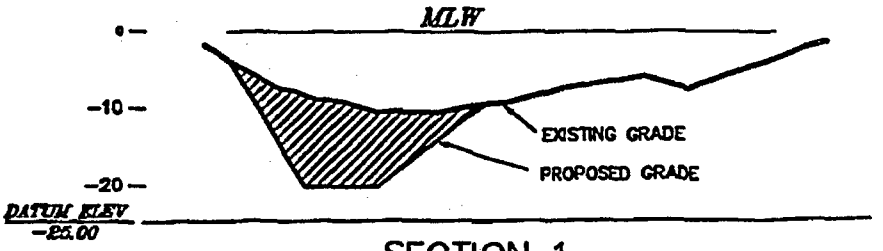
DATE: SEPT. 26, 1996 SHEET 5 OF




SECTION 3




SECTION 2




SECTION 1

QUANTITY OF DREDGE MATERIAL AVAILABLE

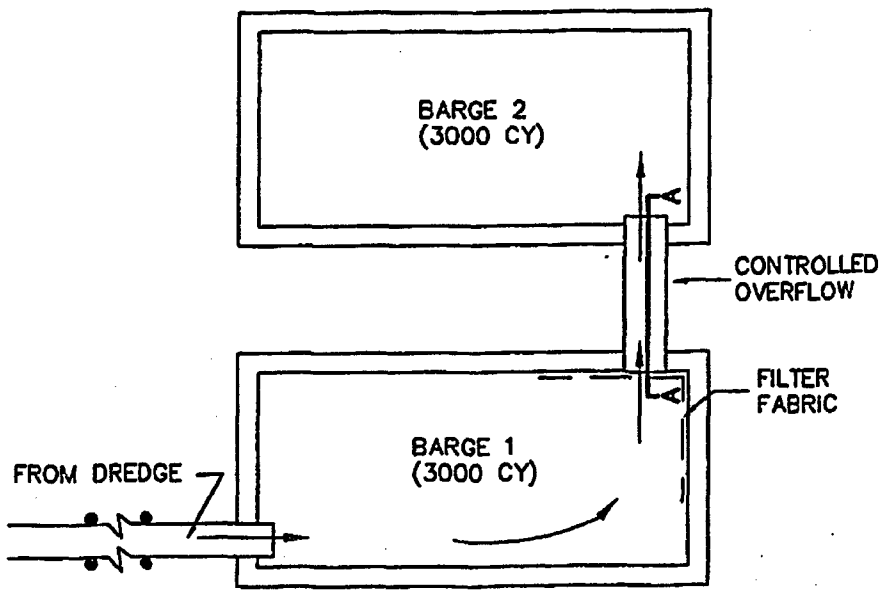
60,525± C.Y. TO GRADE
(8,000± C.Y. AVAILABLE TO 1' OF OVERDEPTH)
= 68,525± C.Y. TOTAL AVAILABLE TO GRADE

0 50 100 200

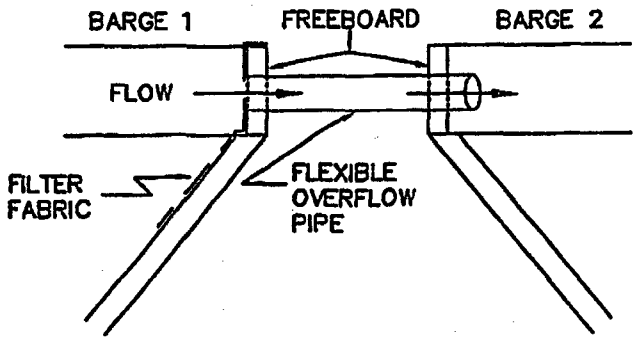
SCALE 1" = 100' HORIZ
SCALE 1" = 20' VERT.

DWG. NO.1455-40 JOB NO. 4-0425.(

| | | |
|---|---|---|
| PURPOSE:<br>MAINTENANCE DREDGE<br>PILGRIM STATION<br>INTAKE CHANNEL<br>MLW = 0.0'<br>MHW = 9.6'<br>HTL = 13.0'<br>THE BSC GROUP—NORWELL INC.<br>293 WASHINGTON STREET<br>NORWELL, MA 02061 | CROSS<br>SECTION<br>PLAN | MAINTENANCE DREDGING<br>OF PILGRIM STATION<br>AT: PLYMOUTH, MASS.<br>IN: CAPE COD BAY<br>COUNTY OF: PLYMOUTH<br>APPLICANT:<br>BOSTON EDISON COMPANY<br>800 BOYLSTON STREET<br>BOSTON, MA 02199<br>DATE: SEPT. 28, 1998 SHEET 6 OF 6 |




SECTION A–A




NOT TO SCALE

PURPOSE:
MAINTENANCE DREDGE
PILGRIM STATION
INTAKE CHANNEL

MLW = 0.0
MHW = 9.6
MTL = 13.0'

THE BSC GROUP–NORWELL INC.
293 WASHINGTON STREET
NORWELL, MA 02061

# CONCEPTUAL BARGE DEWATERING SCHEME

MAINTENANCE DREDGING
OF PILGRIM STATION
AT: PLYMOUTH, MASS.
IN: CAPE COD BAY
COUNTY OF: PLYMOUTH

APPLICANT:
BOSTON EDISON COMPANY
800 BOYLSTON STREET
BOSTON, MA 02199

DATE: SEPT. 26, 1996 SHEET: 7 of 7

# BEGINNING OF DOCUMENT

Licensing Correspondence Control Sheet

Other Correspondence 5.97.056 Date: 6/2/97

Distribution: *Cover Sheet Only

| | | | | | |
|---|---|---|---|---|---|
| Licensing File | #1 | N. L. Desmond* | #1 | J. L. Manning | #9 |
| J. Keene* | #1 | R. D. Andeson | #1 | | |

Title: Army Corps of Engineers letter on inspection requirements for PNPS dredging/disposal of intake sediments between 6/16 - 7/31/97

Date Received: 6/4/97

Summary: Conditions for dredge disposal inspections and final dredging project report form are provided to BECo

Lead Licensing Engineer: R. D. Anderson

Action: Assure requirements of disposal inspection letter are met in conformance with PNPS intake dredging permit (Federal #1993-02464).

Closure Requirements:

Action Assigned to: J. L. Manning Action Due Date: Duration

Department: ESG Classification: A

Division:

RDA/dmc/597056

5.97.056

DEPARTMENT OF THE ARMY
NEW ENGLAND DISTRICT, CORPS OF ENGINEERS
424 TRAPELO ROAD
WALTHAM, MASSACHUSETTS 02254-9149

REPLY TO ATTENTION OF

Regulatory Branch June 2, 1997

SUBJECT: Federal Permit Number 1993-02464 for Dredging in the cooling water intake channel at the Pilgrim Nuclear Power Station in Plymouth, MA.

Jeffrey Keene
Boston Edison Company
Pilgrim Nuclear Power Station
600 Rocky Hill Road
Plymouth, MA 02360-5599

Dear Mr. Keene:

This letter authorizes the initiation of disposal activity for the above referenced project in response to Allen Perrault of J. Cashman, who notified us that you wish to begin disposal activity.

As stated in the permit, you will obtain (and pay directly) an inspector who has been trained by, and who holds a current certification from, the New England District of the Corps of Engineers

Mr. Perrault has notified our Compliance Section that Edward Clement, Certification Number 91-10-023, and Malcolm McDonald, Certification Number 91-10-024 are the inspectors you will be using. You must notify the Compliance Section (617-647-8292) if you will be adding or replacing any inspector(s).

Any time disposal operations resume after one month or more has elapsed, you are required to notify our Compliance Section, by telephone, at least ten working days in advance of the time that disposal operations will begin. We will review the permit to insure compliance to that point with all permit conditions and will specify the disposal-point coordinates to use at that time (the required disposal point is shifted from time to time as part of our site management).

You must notify the Compliance Section upon completion of dredging for the season, by completing and submitting the attached form.

A Summary Information Sheet is attached confirming information provided us as well as important information for proper disposal of the dredged material.

We are also sending extra copies of that sheet, this letter, and your permit to Edward Clement and Malcolm McDonald, the inspectors.

Inspection report forms have been provided to all currently certified inspectors and are to be completed by the inspector for every trip to the disposal site. You must ensure that these are completed by the inspector and received by our Compliance Section within one week of the trip date.

You are reminded that disposal is prohibited without the presence of an inspector currently certified by this office. If the inspector is incapacitated during his scheduled tour of duty, it is incumbent upon you to make arrangements to replace him/her with another Corps-certified inspector. An individual who is now, or was within the past six months, employed by the dredging or towing firm or the permittee, who happens to be a Corps-certified inspector, cannot be assigned as an inspector for this project.

If you have not begun the disposal operations for this project within one month of the estimated start date that is included in the attached Summary Information Sheet, then you must contact us by telephone to find out if the disposal point coordinates have been changed.

Sincerely

Paul F. Howard

for James P. Crawford
Chief, Compliance Section
Regulatory Branch

Enclosures

Copies Furnished:

Edward Clement, Inspector
Malcolm McDonald, Inspector
J. Cashman
Mr. Roger Janson, Environmental Protection Agency

Regulatory Branch
Compliance Section
June 2, 1997

SUMMARY INFORMATION SHEET

SUBJECT: Dredged Material Disposal Inspection

Purpose. To provide information pertaining to the ocean/open water disposal of dredged material in accordance with the Federal Permit.

| | |
|---|---|
| Permit No.: | 1993-02464 |
| Permittee: | Boston Edison |
| Dredge Site: | Cooling water intake channel, Pilgrim Nuclear Power Station, Plymouth, MA |
| Disposal Site: | Mass Bay |
| Buoy Description: | Yellow COE buoy with an amber flashing light and designated "MDA" |
| Disposal Point: | 42° 25.325′ N 70° 34.341′ W<br>13849.6 25713.0 44267.6 |

ALTERNATE DISPOSAL POINT

42° 24.500′ N 70° 35.000′W
13857.7 25712.0 44264.2

Estimated Start Date: 6-16-97

Estimated Ending Date: 7-31-97

Contractor: J. Cashman, 285 Dorchester Ave., So. Boston, MA 02127

Marie Farese 617-647-8292

Marie Farese 617-647-8292

To: U.S. Army Engineer Division, New England
Regulatory Branch
Compliance Section
424 Trapelo Road
Waltham Ma 02254-9149

REPORT ON SEASONAL/FINAL COMPLETION OF DREDGING WITH OPEN WATER DISPOSAL

Permit No. 1993-02464_____

Permittee: Boston Edison Company

Dredging with open water disposal has taken place under the above permit. The following data is furnished as required:

Dates of Dredging: FROM:____/____/____ TO: ____/____/____

Inspector(s):

NAME:_____INSPECTOR'S CERTIFICATION #_____
(Please Print)

NAME:_____INSPECTOR'S CERTIFICATION #_____
(Please Print)

Has a Corps of Engineers disposal inspection report been submitted to the Corps for every trip to the disposal site? YES NO

Number of Scow Logs submitted:_____

Please check one:

Additional dredging will be accomplished under this permit at a later date. (If so, advance notification to Corps will be required (see permit condition) before resumption.)

All dredging has been completed under this permit:

Comments:_____

_____

_____

_____

(Date) (Please Print Name) (Permittee's Signature)

_____
(Please Print Title)

# Beginning Of Document

## Licensing Correspondence Control Sheet

Other Correspondence 5.97.100 Date: 10/7/97

Distribution: *Cover Sheet Only

| | | | | | |
|---|---|---|---|---|---|
| Licensing File | #1 | N. L. Desmond* | #1 | J. D. Keyes | #1 |
| J. Keene* | #1 | J. Gaedtke | #43 | W. Lobo | #1 |
| R. Anderson | #1 | J. Manning | #9 | | |

Title: Seasonal Dredging Report to Corp of Engineers

Summary: Submits a seasonal report for intake dredging in compliance with Special Condition No. 5 of corps of Engineers Permit No. 199302464.

Lead Licensing Engineer: P. M. Kahler

Action: None identified

PMK/dmc/597100

**Boston Edison**
Pilgrim Nuclear Power Station
Rocky Hill Road
Plymouth, Massachusetts 02360-5599

Nancy L. Desmond
Regulatory Relations Group Manager

October 7, 1997
BECo Ltr. 97-100

U.S. Army Engineer Division,
New England Regulatory Branch
Compliance Section
424 Trapelo Road
Waltham, MA 02254-9149

Attn.: Ms.Marie Farese

Special Condition No. 5 of Corps of Engineers Permit No. 199302464 issued to Boston Edison Company for use at Pilgrim Nuclear Power Station states, in part:

> For each dredging season during which work is performed, the permittee must notify the Corps upon completion of dredging for the season by completing and submitting the form that will be supplied by the Corps for this purpose when disposal-point coordinates are satisfied.

Boston Edison Company submits the attached Corps-supplied form to report dredging at Pilgrim's intake canal during the period June 17, 1997, to August 29, 1997. As indicated on the permit, we intend to perform future dredging under this permit; hence, this is a seasonal report.

Thank you for your attention to this issue. Should you require further information, please contact P.M. Kahler at (508) 830-7939.

N.L. Desmond

PMK/dmc/dred2

Attachment: Report on Seasonal Final Completion of Dredging with Open Water Disposal.

cc: Mr. Alan Wang, Project Manager
Project Directorate I-3
Office of Nuclear Reactor Regulation
Mail Stop: OWF 14B2
U. S. Nuclear Regulatory Commission
1 White Flint North 11555
Rockville Pike Rockville, MD 20852

U. S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406

Senior NRC Resident Inspector
Pilgrim Nuclear Power Station

Mr. Joseph Freeman
BSC Group Inc.
425 Summer Street
Boston, MA 02210

Mr. Robert M. Hallisey, Director
Radiation Control Program
Center for Communicable Diseases
Mass. Dept. of Public Health
305 South Street
Jamaica Plain, MA 02130

## ATTACHMENT

## REPORT ON SEASONAL/FINAL COMPLETION OF DREDGING WITH OPEN WATER DISPOSAL

Marie Farese 617-647-8292

To: U.S. Army Engineer Division, New England
Regulatory Branch
Compliance Section
424 Trapelo Road
Waltham Ma 02254-9149

REPORT ON SEASONAL/FINAL COMPLETION OF DREDGING WITH OPEN WATER DISPOSAL

Permit No. 1993-02464

Permittee: Boston Edison Company

Dredging with open water disposal has taken place under the above permit. The following data is furnished as required:

Dates of Dredging: FROM: 6/17/97 TO: 8/29/97

Inspector(s):

NAME: EDWARD G. CLEMENT JR. INSPECTOR'S CERTIFICATION # 91-10-023
(Please Print)

NAME: MALCOLM M. McDONALD INSPECTOR'S CERTIFICATION # 91-10-024
(Please Print)

Has a Corps of Engineers disposal inspection report been submitted to the Corps for every trip to the disposal site? (YES) NO

Number of Scow Logs submitted: 28

Please check one:

✓ Additional dredging will be accomplished under this permit at a later date. (If so, advance notification to Corps will be required (see permit condition) before resumption.)

All dredging has been completed under this permit:

Comments:

9/23/97 JAMES L. MANNING James L. Manning
(Date) (Please Print Name) (Permittee's Signature)

PROJECT MANAGER
(Please Print Title)

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