

LICENSE APPLICATION STATUS SHEET

(06) 15 YEAR _____

12) 15 YEAR _____

(01) 30 YEAR

DISP NONE 2CY (between) ML-MH
 OCC \$1.SQ.YD x TERM/LIC

APPLICATION NO. W 14-4157

REVIEWER D. Hill

TRANSMITTAL NO. X260989

DATE ASSIGNED _____

RECEIVED 5/14/15 APPL. FEES

CERTIFICATE OF COMPLIANCE _____ LIC# _____

APPLICATION PROCESSING

LICENSING

1. NOTICE MAILED 6-5-14
2. CONS. COMMISSION _____
3. CLERK CERTIFICATION _____
4. PLAN BOARD NOTIF. _____
5. NEWS AD _____
6. WATER QUAL. CERT. _____
7. MEPA COMPLETE _____
8. PROOF OF EXISTANCE
 PRIOR TO 1/1/84 _____

1. TO PROG. MGR. _____
2. GOV. Y/N _____
3. NOTIFY FEE _____
4. FEE REC'D _____
5. BACK FROM GOV. OFF _____

LICENSE ISSUED _____

- | | | | | | |
|---------------------|-----|------------------|-----|------------------|-----|
| 9. LATERAL ACCESS | Y/N | 10. ACEC | Y/N | 11. OCEAN SANCT. | Y/N |
| 12. ABUTTER APPROV. | Y/N | 13. EPA | Y/N | 14. HARBOR LINE | Y/N |
| 15. GREAT POND | Y/N | 16. RIVER/STREAM | Y/N | 17. WELAND RESTR | Y/N |
| 18. AMNESTYY/N | Y/N | 19. MYLARS | Y/N | | |

Comments

- need MHW & MSL clearly shown on plans
- name on plan does not match application
- need prior licenses check location of barge berth vs approved #399

paper



Enter your transmittal number

X 260989
Transmittal Number

Your unique Transmittal Number can be accessed online: <http://mass.gov/dep/service/online/trasmfrm.shtml>
Massachusetts Department of Environmental Protection
Transmittal Form for Permit Application and Payment

1. Please type or print. A separate Transmittal Form must be completed for each permit application.

2. Make your check payable to the Commonwealth of Massachusetts and mail it with a copy of this form to: DEP, P.O. Box 4062, Boston, MA 02211.

3. Three copies of this form will be needed.

Copy 1 - the original must accompany your permit application. Copy 2 must accompany your fee payment. Copy 3 should be retained for your records

4. Both fee-paying and exempt applicants must mail a copy of this transmittal form to:

MassDEP
P.O. Box 4062
Boston, MA
02211

A. Permit Information

BRP WW01b
1. Permit Code: 7 or 8 character code from permit instructions
Water-dependent Chapter 91 License
2. Name of Permit Category
Water-dependent Industrial Use - intake embayment mooring
3. Type of Project or Activity

B. Applicant Information - Firm or Individual

Entergy Nuclear Operations, Inc.
1. Name of Firm - Or, if party needing this approval is an individual enter name below:
2. Last Name of Individual
3. First Name of Individual
4. MI
600 Rocky Hill Road
5. Street Address
6. City/Town
7. State
8. Zip Code
9. Telephone #
10. Ext. #
Plymouth
MA
02360
(508) 830-8031
Plymouth
11. Contact Person
12. e-mail address (optional)

C. Facility, Site or Individual Requiring Approval

Pilgrim Nuclear Power Station
1. Name of Facility, Site Or Individual
600 Rocky Hill Road
2. Street Address
3. City/Town
4. State
5. Zip Code
6. Telephone #
7. Ext. #
Plymouth
MA
02360
(508) 830-8031
8. DEP Facility Number (if Known)
9. Federal I.D. Number (if Known)
10. BWSC Tracking # (if Known)

D. Application Prepared by (if different from Section B)*

Beals and Thomas, Inc.
1. Name of Firm Or Individual
144 Turnpike Road
2. Address
3. City/Town
4. State
5. Zip Code
6. Telephone #
7. Ext. #
Southborough
MA
01772-2104
(508) 366-0560
Eric J. Las, PE
8. Contact Person
9. LSP Number (BWSC Permits only)

E. Permit - Project Coordination

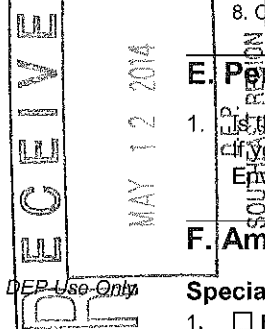
1. Is this project subject to MEPA review? yes no
If yes, enter the project's EOE file number - assigned when an Environmental Notification Form is submitted to the MEPA unit:
EOEA File Number

F. Amount Due

Special Provisions:

- 1. Fee Exempt (city, town or municipal housing authority)(state agency if fee is \$100 or less).
There are no fee exemptions for BWSC permits, regardless of applicant status.
- 2. Hardship Request - payment extensions according to 310 CMR 4.04(3)(c).
- 3. Alternative Schedule Project (according to 310 CMR 4.05 and 4.10).
- 4. Homeowner (according to 310 CMR 4.02).

Note:
For BWSC Permits,
enter the LSP.



DEP Use Only

Permit No:

Rec'd Date:

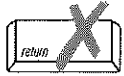
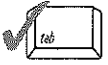
Reviewer:

6223958
Check Number
\$330.00
Dollar Amount
5/6/2014
Date

Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Waterways Regulation Program
Chapter 91 Waterways License Application - 310 CMR 9.00
 Water-Dependent, Nonwater-Dependent, Amendment

X 260989
 Transmittal No.

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.

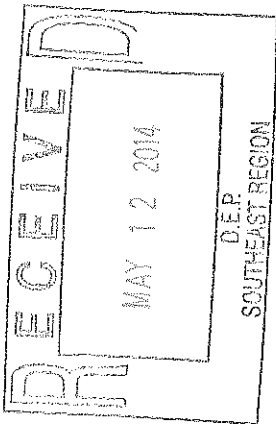


For assistance in completing this application, please see the "Instructions".

A. Application Information (Check one)

NOTE: For Chapter 91 Simplified License application form and information see the Self Licensing Package for BRP WW06.

Name (Complete Application Sections)	Check One	Fee	Application #
WATER-DEPENDENT -			
General (A-H)	<input type="checkbox"/> Residential with \leq 4 units	\$215.00	BRP WW01a
	<input checked="" type="checkbox"/> Other	\$330.00	BRP WW01b
	<input type="checkbox"/> Extended Term	\$3,350.00	BRP WW01c
Amendment (A-H)	<input type="checkbox"/> Residential with \leq 4 units	\$100.00	BRP WW03a
	<input type="checkbox"/> Other	\$125.00	BRP WW03b
NONWATER-DEPENDENT -			
Full (A-H)	<input type="checkbox"/> Residential with \leq 4 units	\$665.00	BRP WW15a
	<input type="checkbox"/> Other	\$2,005.00	BRP WW15b
	<input type="checkbox"/> Extended Term	\$3,350.00	BRP WW15c
Partial (A-H)	<input type="checkbox"/> Residential with \leq 4 units	\$665.00	BRP WW14a
	<input type="checkbox"/> Other	\$2,005.00	BRP WW14b
	<input type="checkbox"/> Extended Term	\$3,350.00	BRP WW14c
Municipal Harbor Plan (A-H)	<input type="checkbox"/> Residential with \leq 4 units	\$665.00	BRP WW16a
	<input type="checkbox"/> Other	\$2,005.00	BRP WW16b
	<input type="checkbox"/> Extended Term	\$3,350.00	BRP WW16c
Joint MEPA/EIR (A-H)	<input type="checkbox"/> Residential with \leq 4 units	\$665.00	BRP WW17a
	<input type="checkbox"/> Other	\$2,005.00	BRP WW17b
	<input type="checkbox"/> Extended Term	\$3,350.00	BRP WW17c
Amendment (A-H)	<input type="checkbox"/> Residential with \leq 4 units	\$530.00	BRP WW03c
	<input type="checkbox"/> Other	\$1,000.00	BRP WW03d
	<input type="checkbox"/> Extended Term	\$1,335.00	BRP WW03e



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Waterways Regulation Program
Chapter 91 Waterways License Application - 310 CMR 9.00
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B. Applicant Information Proposed Project/Use Information

1. Applicant:

Entergy Nuclear Operations, Inc. _____ E-mail Address
 Name
 600 Rocky Hill Road _____
 Mailing Address
 Plymouth MA 02360
 City/Town State Zip Code
 (508) 830-8031 (508) 830-8855
 Telephone Number Fax Number

Note: Please refer to the "Instructions"

2. Authorized Agent (if any):

Beals and Thomas, Inc. _____ E-mail Address
 Name
 144 Turnpike Road _____
 Mailing Address
 Southborough MA 01772-2104
 City/Town State Zip Code
 (508) 366-0560 (508) 366-4391
 Telephone Number Fax Number

C. Proposed Project/Use Information

1. Property Information (all information must be provided):

Owner Name (if different from applicant) _____
 Map 44 Lot 1B 41°56'39.32"N 70°24'41.40"W
 Tax Assessor's Map and Parcel Numbers Latitude Longitude
 600 Rocky Hill Road MA 02360
 Street Address and City/Town State Zip Code

2. Registered Land Yes No

3. Name of the water body where the project site is located:

Cape Cod Bay _____

4. Description of the water body in which the project site is located (check all that apply):

<u>Type</u>	<u>Nature</u>	<u>Designation</u>
<input type="checkbox"/> Nontidal river/stream	<input type="checkbox"/> Natural	<input type="checkbox"/> Area of Critical Environmental Concern
<input checked="" type="checkbox"/> Flowed tidelands	<input checked="" type="checkbox"/> Enlarged/dammed	<input type="checkbox"/> Designated Port Area
<input type="checkbox"/> Filled tidelands	<input type="checkbox"/> Uncertain	<input checked="" type="checkbox"/> Ocean Sanctuary Cape Cod Bay
<input type="checkbox"/> Great Pond		<input type="checkbox"/> Uncertain
<input type="checkbox"/> Uncertain		

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Waterways Regulation Program
Chapter 91 Waterways License Application - 310 CMR 9.00
Water-Dependent, Nonwater-Dependent, Amendment

X 260989
Transmittal No.

C. Proposed Project/Use Information (cont.)

Select use(s) from
Project Type Table
on pg. 2 of the
"Instructions"

5. Proposed Use/Activity description

Water-dependent Industrial Use – intake embayment mooring

6. What is the estimated total cost of proposed work (including materials & labor)?

< \$10,000

7. List the name & complete mailing address of each abutter (attach additional sheets, if necessary). An abutter is defined as the owner of land that shares a common boundary with the project site, as well as the owner of land that lies within 50' across a waterbody from the project.

Manomet Inc
Name

c/o Linda Damon PO Box 1770 Manomet, MA 02345
Address

Name

Address

Name

Address

D. Project Plans

1. I have attached plans for my project in accordance with the instructions contained in (check one):

Appendix A (License plan)

Appendix B (Permit plan)

2. Other State and Local Approvals/Certifications

401 Water Quality Certificate

Date of Issuance

Wetlands

File Number

Jurisdictional Determination

JD-

File Number

MEPA

File Number

EOE A Secretary Certificate

Date

21E Waste Site Cleanup

RTN Number

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Waterways Regulation Program
Chapter 91 Waterways License Application - 310 CMR 9.00
Water-Dependent, Nonwater-Dependent, Amendment

Transmittal No. _____

E. Certification

All applicants, property owners and authorized agents must sign this page. All future application correspondence may be signed by the authorized agent alone.

"I hereby make application for a permit or license to authorize the activities I have described herein. Upon my signature, I agree to allow the duly authorized representatives of the Massachusetts Department of Environmental Protection and the Massachusetts Coastal Zone Management Program to enter upon the premises of the project site at reasonable times for the purpose of inspection."

"I hereby certify that the information submitted in this application is true and accurate to the best of my knowledge."

DET Lopez _____ Date 5/6/14 _____
Applicant's signature

Property Owner's signature (if different than applicant) Date

Erica Lopez _____ Date 5/9/14 _____
Agent's signature (if applicable)

F. Waterways Dredging Addendum

1. Provide a description of the dredging project

Maintenance Dredging (include last dredge date & permit no.) Improvement Dredging

Purpose of Dredging

2. What is the volume (cubic yards) of material to be dredged?

3. What method will be used to dredge?

Hydraulic Mechanical Other

4. Describe disposal method and provide disposal location (include separate disposal site location map)

5. Provide copy of grain size analysis. If grain size is compatible for beach nourishment purposes, the Department recommends that the dredged material be used as beach nourishment for public beaches. **Note:** In the event beach nourishment is proposed for private property, pursuant to 310 CMR 9.40(4)(a)1, public access easements below the existing high water mark shall be secured by applicant and submitted to the Department.

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Waterways Regulation Program
Chapter 91 Waterways License Application - 310 CMR 9.00
Water-Dependent, Nonwater-Dependent, Amendment

X 260989
Transmittal No.

G. Municipal Zoning Certificate

Entergy Nuclear Operations, Inc.

Name of Applicant

600 Rocky Hill Road

Project street address

Cape Cod Bay

Waterway

Plymouth

City/Town

Description of use or change in use:

construction of mooring in intake channel at Pilgrim Nuclear Power Station

To be completed by municipal clerk or appropriate municipal official:

"I hereby certify that the project described above and more fully detailed in the applicant's waterways license application and plans is not in violation of local zoning ordinances and bylaws."

Printed Name of Municipal Official

Date

Signature of Municipal Official

Title

City/Town

Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Waterways Regulation Program
Chapter 91 Waterways License Application - 310 CMR 9.00
Water-Dependent, Nonwater-Dependent, Amendment

X 260989
Transmittal No.

H. Municipal Planning Board Notification

Notice to Applicant:

Section H should be completed and submitted along with the original application material.

Entergy Nuclear Operations, Inc.

Name of Applicant

600 Rocky Hill Road

Project street address

Cape Cod Bay

Waterway

Plymouth

City/Town

Description of use or change in use:

construction of mooring in intake channel at Pilgrim Nuclear Power Station

To be completed by municipal clerk or appropriate municipal official:

"I hereby certify that the project described above and more fully detailed in the applicant's waterways license application and plans have been submitted by the applicant to the municipal planning board."

Printed Name of Municipal Official

Date

Signature of Municipal Official

Title

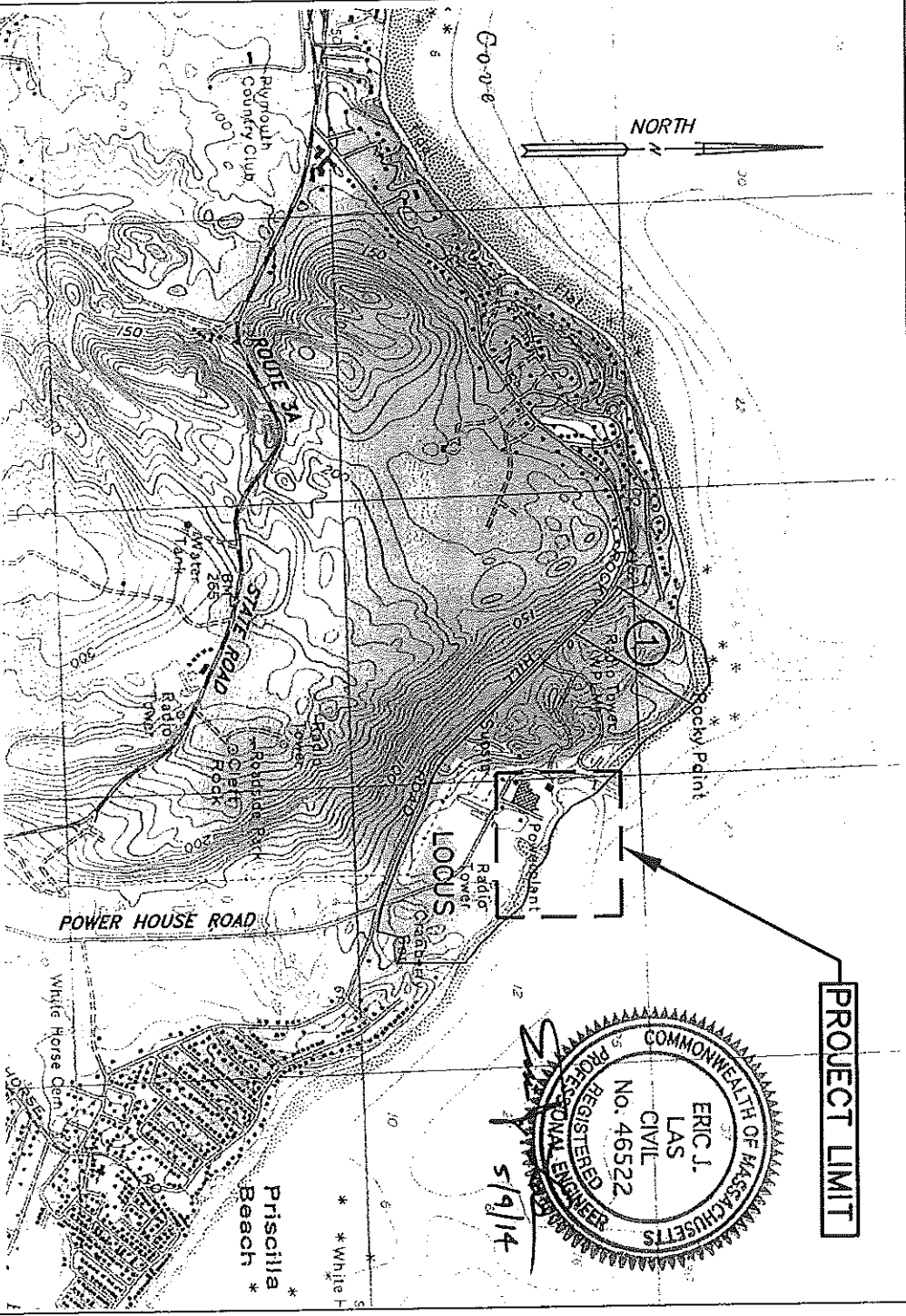
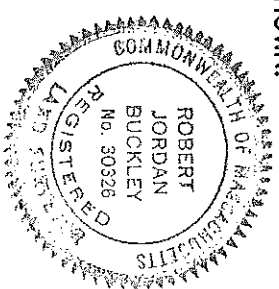
City/Town

Note: Any comments, including but not limited to written comments, by the general public, applicant, municipality, and/or an interested party submitted after the close of the public comment period pertaining to this Application shall not be considered, and shall not constitute a basis for standing in any further appeal pursuant to 310 CMR 9.13(4) and/or 310 CMR 9.17.

OR PRIVATE STREETS OR WAYS ALREADY ESTABLISHED
AND THAT NO NEW LINES FOR DIVISION OF EXISTING
OWNERSHIP OR FOR NEW WAYS ARE SHOWN.

5/8/14

ROBERT J. BUCKLEY, PLS. NO. 30326



SOURCE:
DIGITAL U.S.G.S. QUADRANGLE MAP OF PLYMOUTH, MA. DATED 2005, PROVIDED BY MASSGIS.

SHEET INDEX

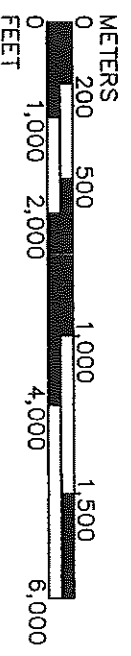
1. VICINITY MAP
2. EXISTING CONDITIONS NOTES
3. SITE PLAN
4. SITE DETAILS
5. SITE DETAILS
6. SITE DETAILS

OWNER AND ADDRESS:
ENERGY NUCLEAR GENERATION COMPANY
PILGRIM NUCLEAR POWER STATION
600 ROCKY HILL ROAD
PLYMOUTH, MA 02360

ABUTTER:
① MANOMET INC.
PO BOX 1770
MANOMET, MA
PLYMOUTH ASSESSOR'S PARCEL NO. 02345
043-000-018C-000

VICINITY MAP

SHEET 1 OF 6 SCALE: 1" = 2,000'
MAY 8, 2014



PLANS ACCOMPANYING PETITION OF
ENERGY NUCLEAR GENERATION COMPANY
PILGRIM NUCLEAR POWER STATION
600 ROCKY HILL ROAD
PLYMOUTH, MA 02360

FOR A WATERWAYS LICENSE FOR THE
INSTALLATION OF MOORING BUOYS IN
CAPE COD BAY.

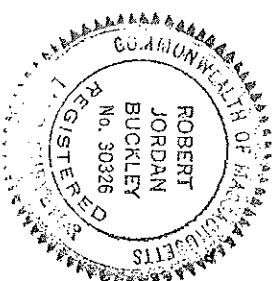
PREPARED BY:
BEALS AND THOMAS, INC.
RESERVOIR CORPORATE CENTER
144 TURNPIKE ROAD
SOUTHBOROUGH, MA 01772

BTI DWG. NUMBER 164207P023A-001.DWG

LINES OF STREETS AND WAITS ARE THOSE OF PUBLIC OR PRIVATE STREETS OR WAYS ALREADY ESTABLISHED AND THAT NO NEW LINES FOR DIVISION OF EXISTING OWNERSHIP OR FOR NEW WAYS ARE SHOWN.

5/8/14

ROBERT J. BUCKLEY, PLS.NO.30326



NOTES

- 1) SPOT ELEVATIONS ABOVE THE PLANE OF MLW ARE SHOWN AS NEGATIVE NUMBERS. ELEVATIONS BELOW THE PLANE OF MLW ARE SHOWN AS POSITIVE NUMBERS.
- 2) ASSESSOR MAP 44 LOT 1B.
- 3) NO STRUCTURES ARE PROPOSED AS PART OF THIS MAINTENANCE DREDGING PROJECT.

EXISTING CONDITIONS PREPARED BY BSC GROUP HOWEVER; SOUNDINGS AND THE FOLLOWING DATA PREPARED BY BEALS AND THOMAS, INC.
 MEAN LOW WATER ELEVATION = 0.0' (MLW DATUM)
 MEAN HIGH WATER ELEVATION = 9.8' (MLW DATUM)
 MAXIMUM HIGH TIDE ELEVATION = 11.6' (MLW DATUM)
 100-YEAR FLOOD ELEVATION = 18.4' (MLW DATUM)

FIRM MAP COASTAL ZONE WITH VELOCITY HAZARD
 VE ELEV. 16 (NAVD88 DATUM) = VE ELEV. 21.43' (MLW DATUM)
 VE ELEV. 17 (NAVD88 DATUM) = VE ELEV. 22.43' (MLW DATUM)
 AE ELEV. 13 (NAVD88 DATUM) = AE ELEV. 18.43' (MLW DATUM)

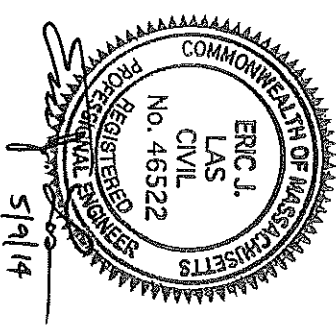
TIDAL DATUM		
TIDAL DATUM (FT)	NAVD88 (FT)	NGVD29 (FT)
0.10 (MLW)	-5.43	-4.60

LEGEND

- LIMIT OF WORK
- 100-YEAR FLOOD LINE (LAND SUBJECT TO COASTAL STORM FLOWAGE) ELEV. = 18.4'
- MEAN LOW WATER / LOW WATER MARK ELEV. = 0.0'
- MEAN HIGH WATER / HIGH WATER MARK ELEV. = 9.8'
- MAXIMUM HIGH TIDE/SPRING HIGH TIDE ELEV. =11.6'
- COASTAL FLOOD ZONE WITH VELOCITY HAZARD ZONE VE (LAND SUBJECT TO COASTAL STORM FLOWAGE) ELEV.=VARIOUS
- EXISTING CONTOUR SOUNDING

LEGAL PROPERTY DESCRIPTION

PLYMOUTH ASSESSOR'S PARCEL NO.
 044-000-001B-000
 DEED BOOK 17658, PAGE 265



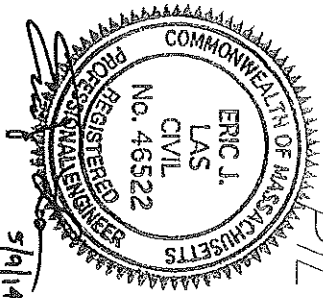
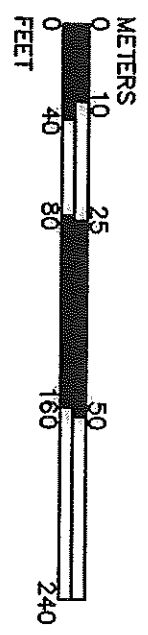
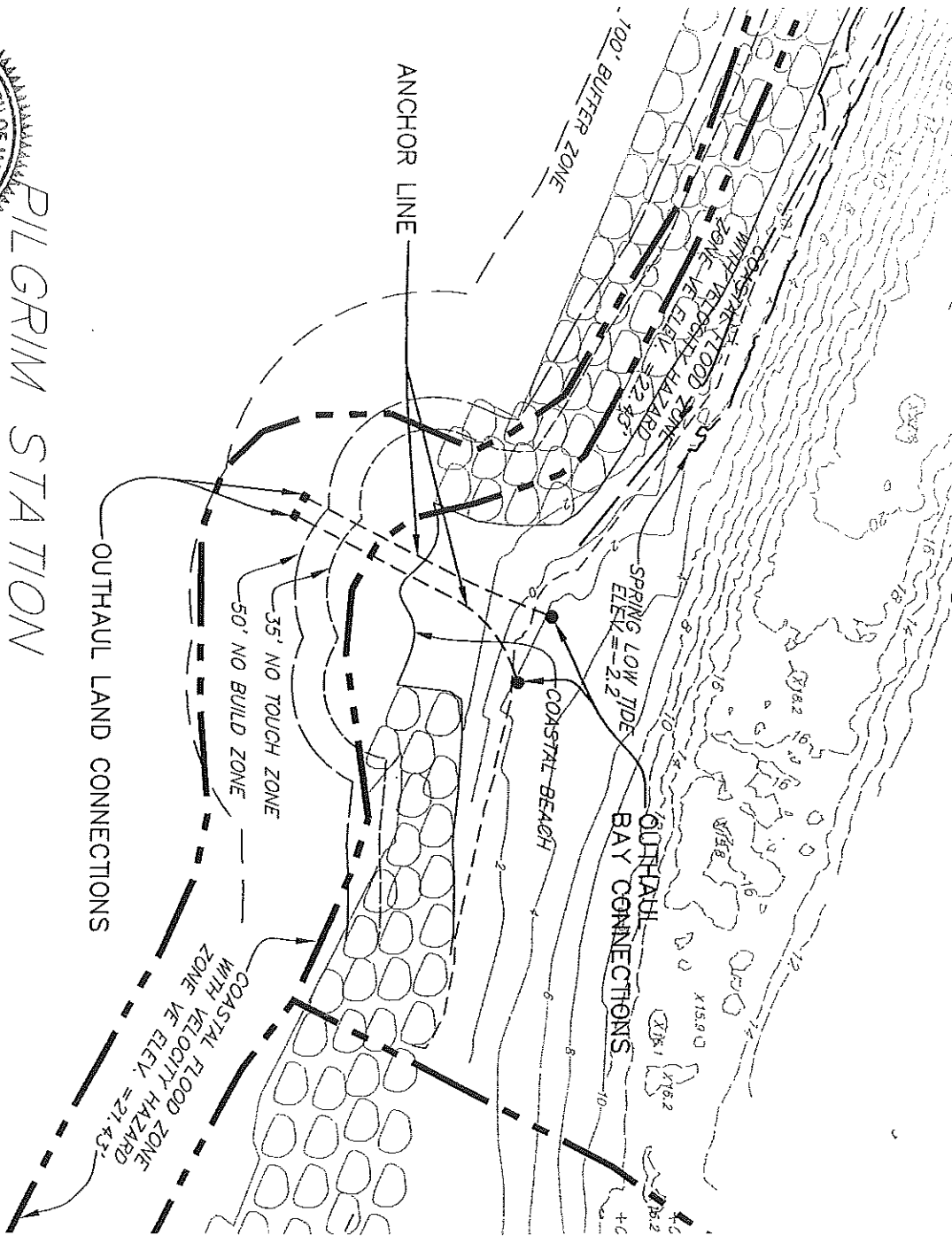
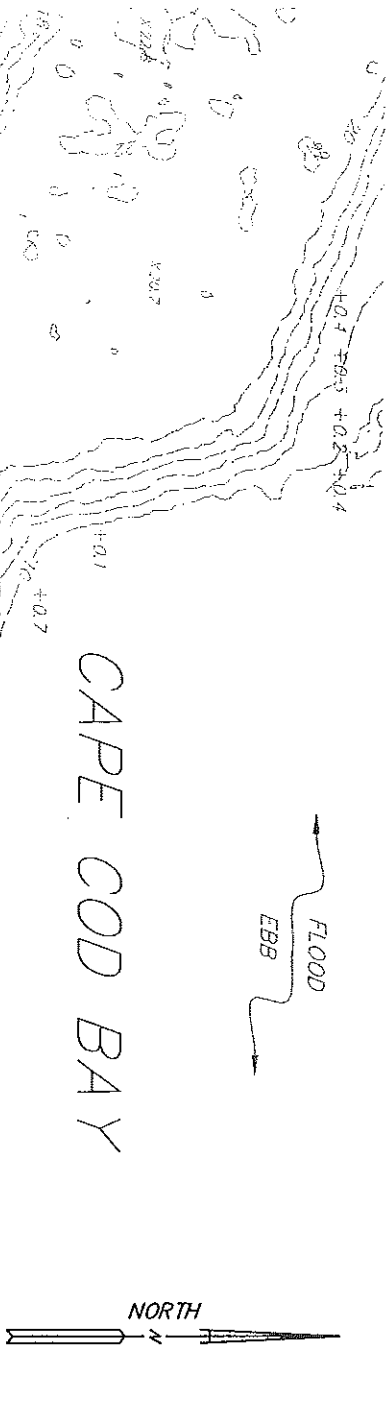
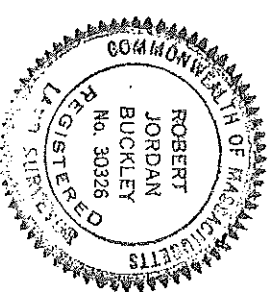
PREPARED BY:
 BEALS AND THOMAS, INC.
 RESERVOIR CORPORATE CENTER
 144 TURNPIKE ROAD
 SOUTHBOROUGH, MA 01772
 BTI DWG. NUMBER 164207P023A-002.DWG

EXISTING CONDITIONS NOTES
 SHEET 2 OF 6
 MAY 8, 2014

LINES OF STREETS AND WAYS ARE THOSE OF PUBLIC OR PRIVATE STREETS OR WAYS ALREADY ESTABLISHED AND THAT NO NEW LINES FOR DIVISION OF EXISTING OWNERSHIP OR FOR NEW WAYS ARE SHOWN.

5/8/14

ROBERT J. BUCKLEY, PLS. NO. 30326



PILGRIM STATION

PLANS PREPARED BY:
BEALS AND THOMAS, INC.
RESERVOIR CORPORATE CENTER
144 TURNPIKE ROAD
SOUTHBOROUGH, MA 01772

DESIGN BY:
ENERCON SERVICES, INC.
12420 MILESTONE CENTER DRIVE
SUITE 200
GERMANTOWN, MARYLAND 20876

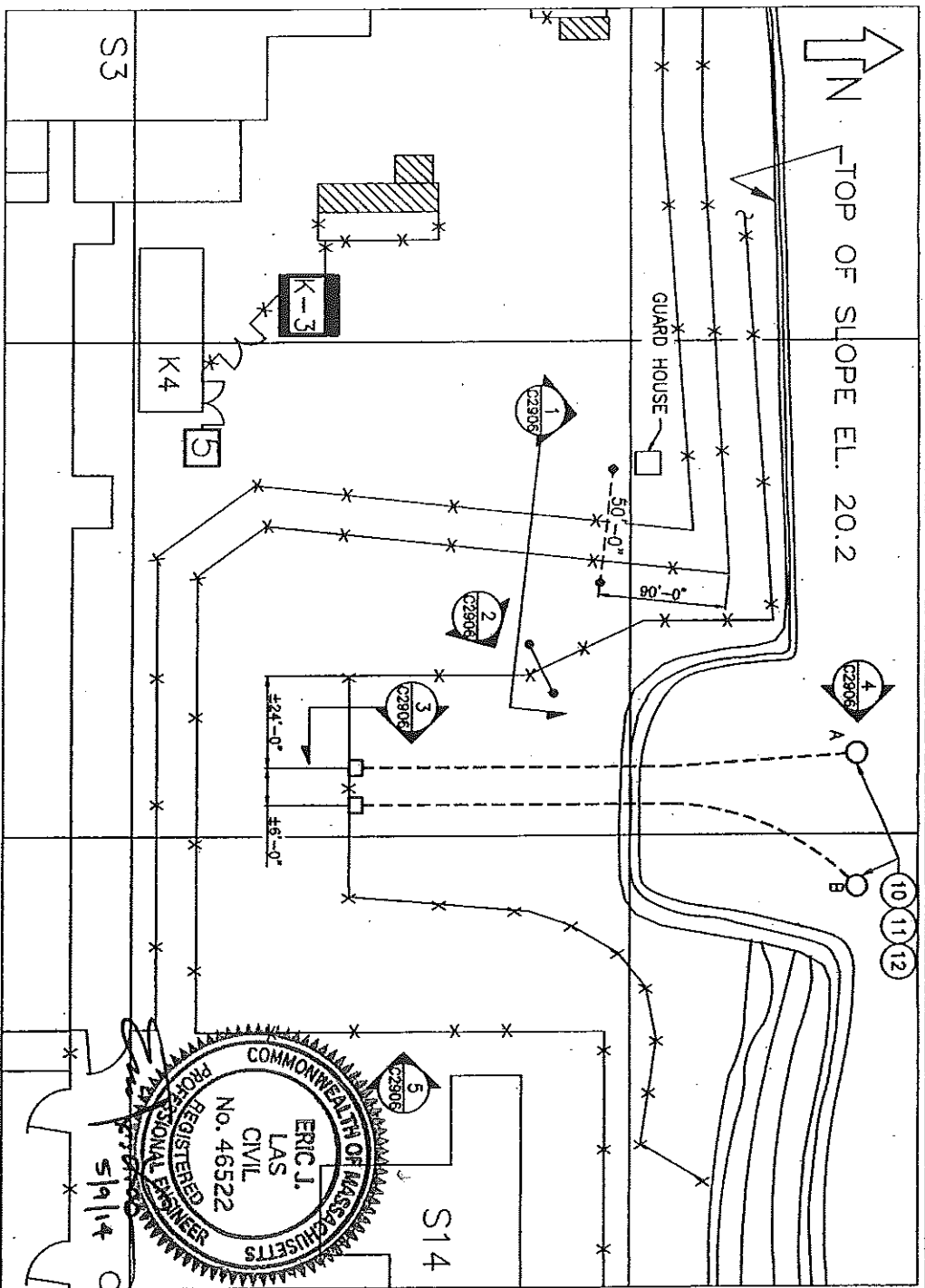
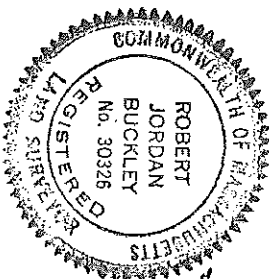
SITE PLAN
SHEET 3 OF 6
MAY 8, 2014
SCALE: 1"=80'

BTI DWG. NUMBER 164207P023A-003.DWG

LINES OF SIRELETS AND WAYS ARE THOSE OF PUBLIC OR PRIVATE STREETS OR WAYS ALREADY ESTABLISHED AND THAT NO NEW LINES FOR DIVISION OF EXISTING OWNERSHIP OR FOR NEW WAYS ARE SHOWN.

5/8/14

[Signature]
ROBERT J. BUCKLEY, PLS NO. 30326



BARGE LANDING AREA PLAN - FLEX MODS AND BURIED PIPING

SCALE: 1/8" = 1'-0"

LOCATION OF ①
LATITUDE: 41.945281
LONGITUDE: -70.576794

LOCATION OF ②
LATITUDE: 41.945255
LONGITUDE: -70.576639

LOCATION OF ③
LATITUDE: 41.945255
LONGITUDE: -70.576639

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE.
2. BACKFILL AND STRUCTURAL FILL SHALL BE A LOW-COHESIVE, WELL-GRADED CRUSHED STONE OR BROKEN GRAVEL.
3. A PENETROMETER (HS-4210 OR EQUIVALENT) SHALL BE USED TO TEST THE COMPACTED FILL AT EVERY 12" HORIZONTAL DISTANCE. THREE (3) READINGS SHALL BE MADE PER SPECIFIC TEST LOCATIONS TO ENSURE THAT A MINIMUM SOIL BEARING PRESSURE OF 4000 PSI IS MET; CONTINUE TO COMPACT UNTIL THE READINGS DO NOT CHANGE SIGNIFICANTLY ($\pm 10\%$).
4. ACCURATE LOCATIONS OF ALL UNDERGROUND UTILITIES AND ELECTRICAL DUCTBANKS IN THE AREAS OF THE NEW FOUNDATION CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ADEQUATE PROTECTION OF THESE UTILITIES AND DUCTBANKS SHALL BE PROVIDED DURING CONSTRUCTION ACTIVITIES PER EN-IS-112, REV.6 "TRENCHING, EXCAVATING AND GROUND PENETRATING ACTIVITIES." SEE EC45565 DIR #69 UNDERGROUND UTILITIES REFERENCES.
5. CONSTRUCTION JOINTS NOT INDICATED ON THE DRAWINGS SHALL NOT BE ALLOWED. WHERE A CONSTRUCTION JOINT IS TO BE MADE, THE SURFACE OF THE CONCRETE SHALL BE THOROUGHLY CLEANED AND ALL LAITANCE AND STANDING WATER REMOVED.
6. THE CONTRACTOR SHALL KEEP THE CONSTRUCTION AREA CLEAN AT ALL TIMES AND AT THE COMPLETION OF WORK, REMOVE ALL SURPLUS MATERIALS, EQUIPMENT AND DEBRIS AND LEAVE THE PREMISES IN A CLEAN CONDITION ACCEPTABLE TO THE OWNER OR OWNER'S REPRESENTATIVE.
7. REF. EC45565 P2E #7.002.
8. ACCEPTABLE ASTM STANDARDS FOR MATERIALS APPLICABLE TO PIPING, FITTINGS, SUPPORTS, VALVES, AND FASTENERS INCLUDES ANY EDITIONS IN EFFECT IN 1967 OR LATER.
9. EXAMINATION (NDE) REQUIREMENTS ARE PER ASME B31.1 REQUIREMENTS.
10. REFER TO VENDOR MANUAL V2193 FOR DETAILS OF KOCHER COMPONENTS.

PLANS PREPARED BY:
BEALS AND THOMAS, INC.
RESERVOIR CORPORATE CENTER
144 TURNPIKE ROAD
SOUTHBOROUGH, MA 01772
BT DWG. NUMBER 164207P023A-004.DWG

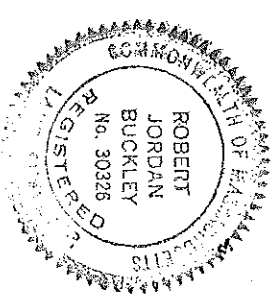
DESIGN BY:
ENERCON SERVICES, INC.
12420 MILESTONE CENTER DRIVE
SUITE 200
GERMANTOWN, MARYLAND 20876

SITE DETAILS
SHEET 4 OF 6
MAY 8, 2014
SCALE: NOT TO SCALE

LINES OF SIRELIS AND WAYS ARE THOSE OF PUBLIC OR PRIVATE STREETS OR WAYS ALREADY ESTABLISHED AND THAT NO NEW LINES FOR DIVISION OF EXISTING OWNERSHIP OR FOR NEW WAYS ARE SHOWN.

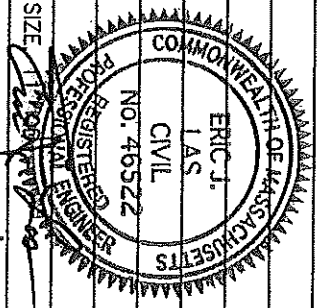
5/8/14

ROBERT J. BUCKLEY, PLS NO. 30326



BILL OF MATERIAL

ITEM NO.	QTY	DESCRIPTION
1	-	NOT USED
2	-	NOT USED
6" SS BURIED & TRAINING PIPE		
3	4	316/316L STAINLESS STEEL UNTHREADED FORGED FLANGE, BUTT WELD, 6" PIPE SIZE
3A	32	GRADE B8, ALL THREADED ROD, 3/4"-10 THREAD, 5" LENGTH, ASTM A-193
3B	64	ASTM A194 GRADE 8 STAINLESS STEEL HEX NUT, 3/4" DIAMETER, 10 UNC -- 2B THREAD
4	60FT	6" SCHEDULE 40S SEAMLESS PIPE, 316/316L STAINLESS STEEL, 6' LENGTH, OR EQUAL
5	2	6" SCHEDULE BUTT-WELD PIPE, 316/316L STAINLESS STEEL, 90° LONG RADIUS ELBOW, OR EQUAL
6	1	6" SCHEDULE 40 BUTT-WELD PIPE, 316/316L STAINLESS STEEL, 45° RADIUS ELBOW
7	2	FIG. 212 ANVIL 6"Ø PIPE CLAMP (SPECIAL ORDER IN STAINLESS STEEL)
8	4	5" RIGID STORZ W/O SCREEN X 6" SS FLANGE FORGED OR EXTRUDED 6061-T6 ALUMINUM STORZ COUPLING WITH STAINLESS STEEL LOCKING LEVERS. MICRALOX HARD COAT ANODIZED STORZ COUPLING, COLOR YELLOW. ANSI 150 LB RAISED FACED STAINLESS STEEL FLANGE KOCHKEK PROJECT SPECIFIC PART NUMBER: NEP-FGS56SSCS. 5 STZ X 6 ANSI 150# STAINLS ST FLANGE. SCREEN YELLOW MICRLAX
8A	4	6" CLASS 150 SPIRAL WOUND GASKET, GASKET STYLE FLEXITALLIC STYLE "LSI" LOW STRESS W/ INNER RING OR EQUIV. SPIRAL WOUND GASKET NOMINAL PIPE SIZE (NPS) = 6", PRESSURE RATING = CLASS 150, GASKET STANDARD = ASME B16.20, WINDING MATERIAL = 316L SS/FLEXICARB (FG), INNER RING MATERIAL = 316/316L SS, OUTER RING MATERIAL = 304/316 SS, STANDARD 1/8" RING THICKNESS
9	4	5" STORZ CAP W/ BAR HANDLE FORGED OR EXTRUDED 6061-T6 ALUMINUM. "MICRALOX" HARD COAT ANODIZED, COLOR YELLOW. KOCHKEK PROJECT SPECIFIC PART NUMBER: NEP-CC507-01; 5 STORZ (2 PIECE) CAP W/ BAR HANDLE YELLOW MICRALOX
OUTHHAUL SYSTEM		
10	2	KOCHKEK BIG WATER SELF-LEVELING FLOATING STRAINER 6" NH
11	2	ECO-MOORING SYSTEM - 1 1/2" SQUARE LEAD HELIX ANCHOR SECTION & MOORING TERMINATION W/ HOT-DIPPED GALVANIZED SHACKLE
11A	2	ECO-MOORING SYSTEM - 1"Ø ECO MOORING ROPE
11B	2	ECO-MOORING SYSTEM - ECO MOORING FLOAT
12	4	GRANGER SNATCH BLOCK PULLEY
13	400FT	WEST MARINE 3/4"Ø PREMIUM WHITE THREE-STRAND NYLON ANCHOR LINE
14	2	1" FIG. 66 ANVIL WELDED BEAM BRACKET CS GALVANIZED WITH BOLT AND NUT
15	2	8"L HEAVY-DUTY HEX HEAD CLEAT, 2-3/4"H, REQUIRES TWO 1/2" HEX HEAD FASTENERS
16	4	1/2"Øx5-1/2" LONG HILTI KWIK-BOLT 3 EXPANSION ANCHORS, SS 316, MIN. EMB. 3-1/2"
17	2	3/4"Øx8" LONG HILTI KWIK-BOLT 3 EXPANSION ANCHORS, GALV. 6-1/2" MIN. EMB.
18	4	GRADE 8 COATED ALLOY STEEL HEX HEAD CAP SCREW, 1/2"-13 THREAD, 7" LENGTH
18A	4	ULTRA-COATED GRADE 8 STEEL HEX NUT, 1/2"-13 THREAD SIZE, 3/4" WIDTH, 7/16" HEIGHT
TRUCK ACCESS ROADWAY		
19	2	10'-0" HIGH x 6'-0" WIDE FENCE GATE W/ ASSOCIATED LOCK, HARDWARE, & ACCESSORIES (TRUCK ACCESS GATE)



5/21/14

PLANS PREPARED BY:
BEALS AND THOMAS, INC.
RESERVOIR CORPORATE CENTER
144 TURNPIKE ROAD
SOUTHBOROUGH, MA 01772

DESIGN BY:
ENERCON SERVICES, INC.
12420 MILESTONE CENTER DRIVE
SUITE 200
GERMANTOWN, MARYLAND 20876

SITE DETAILS
SHEET 6 OF 6
MAY 8, 2014
SCALE: NOT TO SCALE

BTI DWG. NUMBER 164207P023A-006.DWG