

2A

DEPARTMENT OF THE ARMY PERMIT

Permittee Yacht Haven, LLC, 65 Kennsington Street, Portland, Maine 04103

Permit No. 200102442

JUN 06 2002

Issuing Office New England District

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:

Install and maintain marina floats and moorings and construct a boat ramp described as follows:

1. Place fill below the high tide line in order to construct a 125' x 16' boat ramp. Fill material will consist of approximately 160 cubic yards of gravel and pre-cast concrete planks. The ramp will extend approximately 100' beyond the mean high water line.

Project Description Continued on Page 4

In accordance with the attached plans entitled "YACHT HAVEN, LLC, PORTLAND, ME" in ten (10) sheets undated.

Project Location:

In Portland Harbor/Casco Bay at Portland, Maine.

Permit Conditions:

General Conditions:

1. The time limit for completing the work authorized ends on June 6, 2007. 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:

1. The permittee shall assure that a 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 a part of any and all

Special Conditions Continued on Page 4

Further Information:

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

25

- 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.

Christine Godfrey
(DISTRICT ENGINEER) _____ 6/6/02 _____ (DATE)
BRIAN E. OSTERNDORF
COLONEL, CORPS OF ENGINEERS

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)

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Project Description Continued from Page 1

2. The marina floats will begin off an existing pile supported concrete pier as shown on the attached plans. They will consist primarily of two 943'x 10' roughly parallel lines of floats connected together at their northern end by a 115'x 10' line of floats. The two parallel lines of floats will have up to 62 finger floats extending to the north and south, measuring 36'x 4' (9), 46'x 5' (33), 46'x 8' (1), and 30'x 4' (19). Up to 124 boat slips will be created by the project. The floats will be bottom moored. Another line of floats will wrap around the southern and western faces of the existing pier and will measure 20'x 6' and 150'x 6' respectively.
3. Install and maintain up to 10 single point rental moorings within a polygonal shaped area adjacent to and south of the marina site. The sides of the polygon measure approximately 600'x 405'x 570'x 300'. The moorings will meet municipal specifications.

Special Conditions Continued from Page 2

2. 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. If the permit is issued after construction specifications but before receipt of bids or quotes, the entire permit shall be included as an addendum to the specifications. 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. Adequate sedimentation and erosion control devices, such as geotextile silt fences or other devices capable of filtering the fines involved, shall be installed and properly maintained to minimize impacts during construction. These devices must be removed upon completion of work and stabilization of disturbed areas. The sediment collected by these devices must also be removed and placed upland, in a manner that will prevent its later erosion into waters of the United States.
3. All moorings shall be located a minimum of 90' from the edge of the Federal channel (FNP) that passes through the railroad bridge so that neither the moorings nor any vessel tied to them encroaches into the FNP.

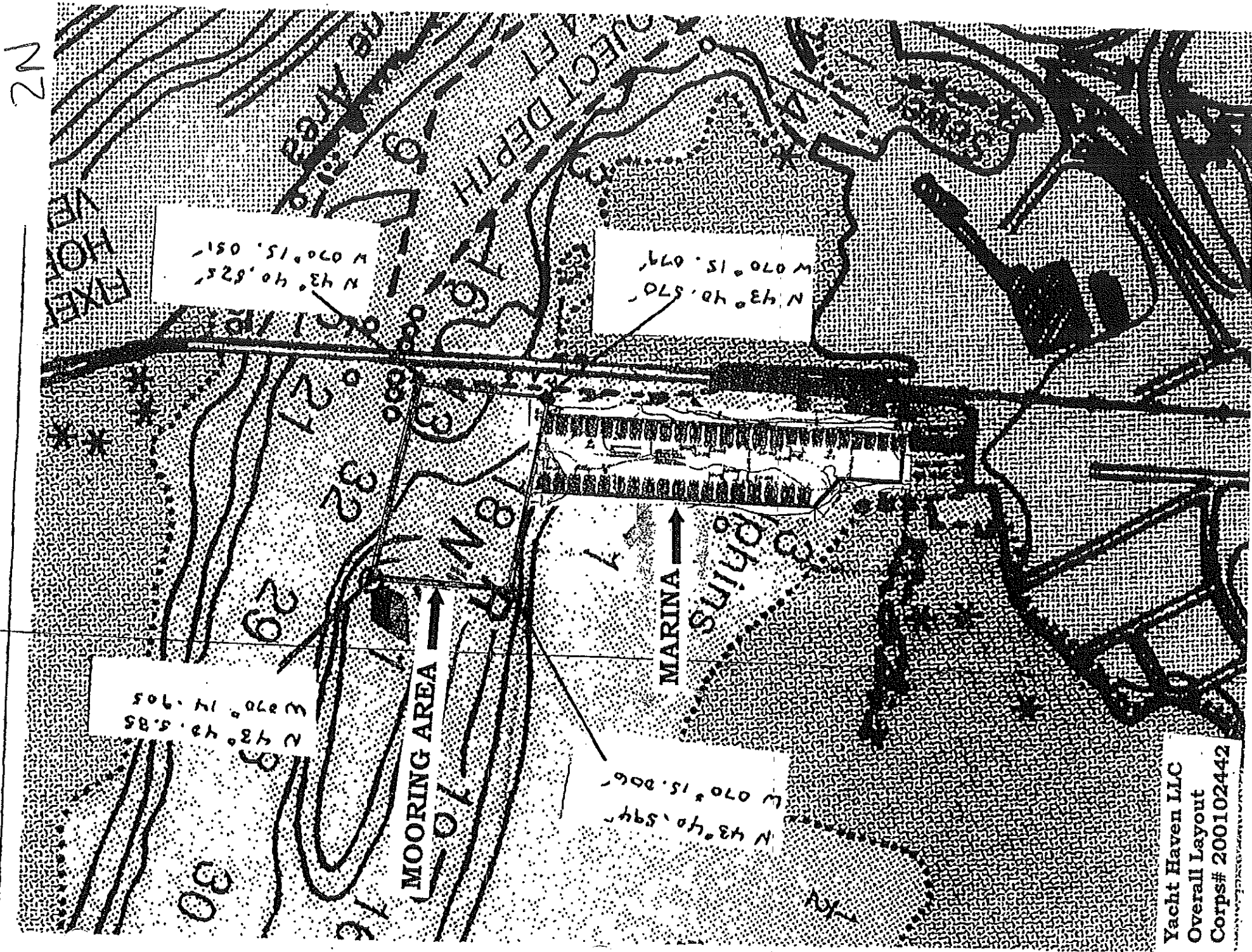
Special Conditions Continued on Page 5

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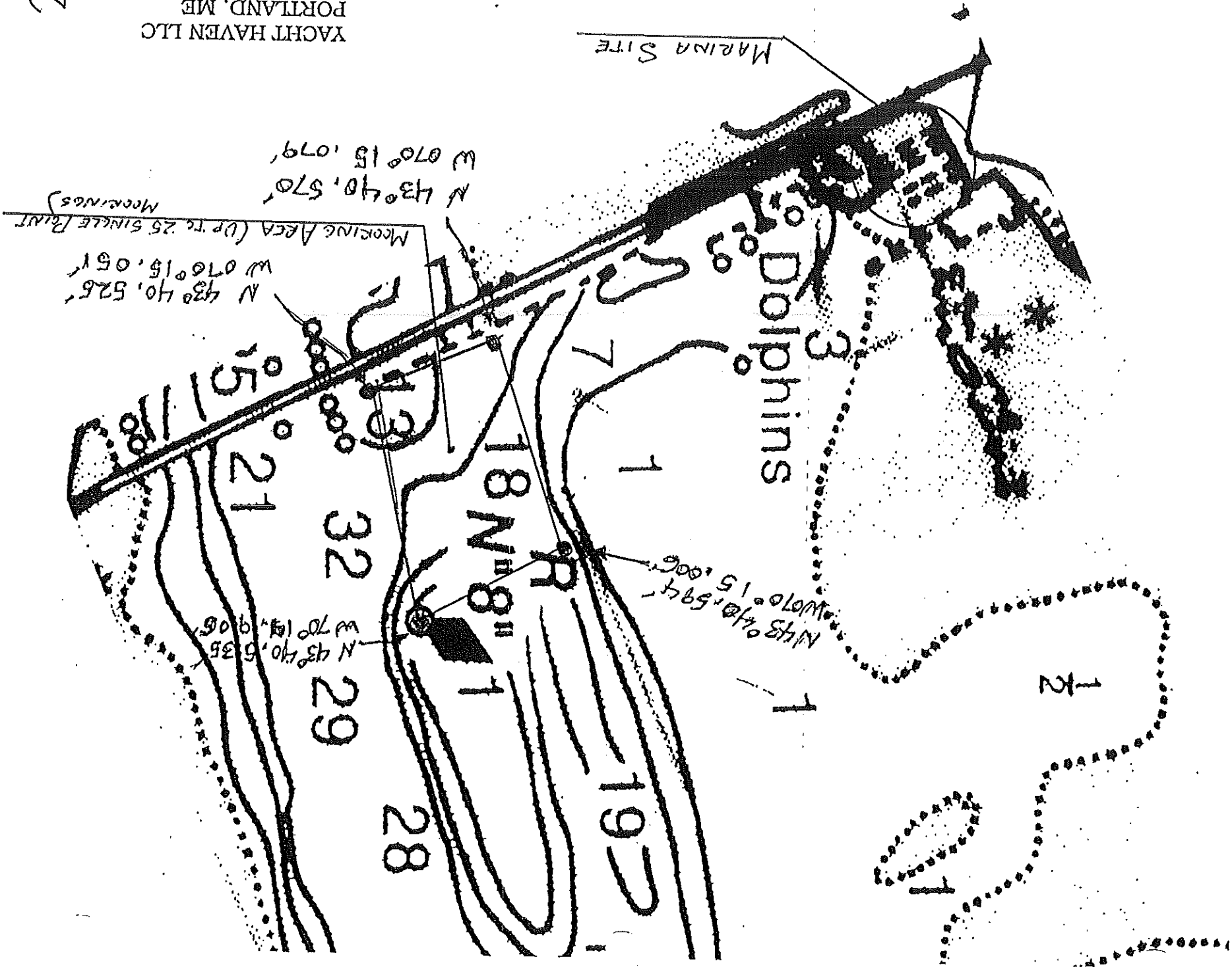
Special Conditions Continued From Page 4

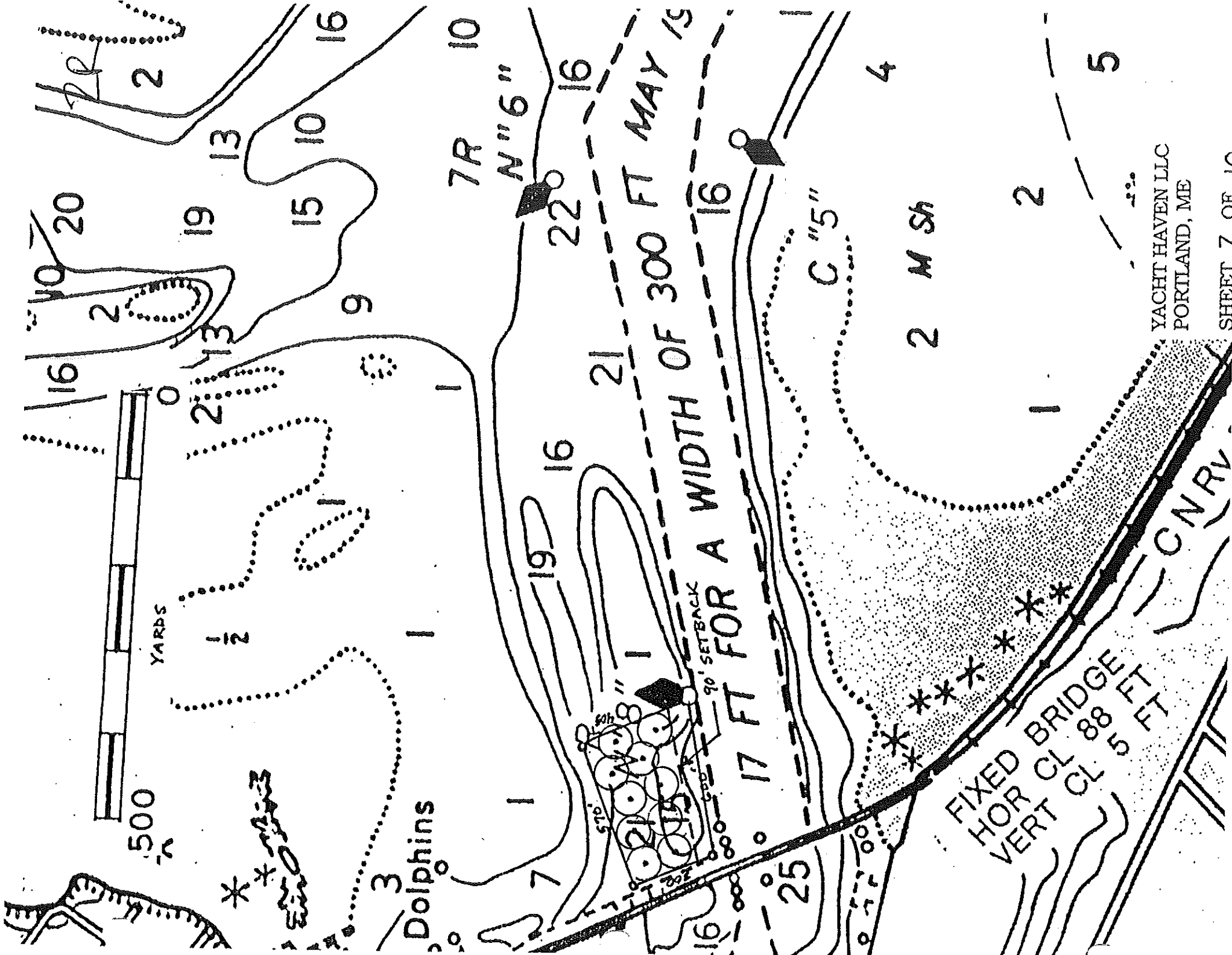
4. The permittee shall not interfere with Corps of Engineers personnel or its contractors engaged in future surveying, maintenance or improvement of the existing Federal Navigation Project. If, in the opinion of the Corps of Engineers, the permittee's mooring tackle must be moved to allow for the surveying, maintenance or improvement of the existing Federal Navigation Project, the permittee shall move the tackle as directed by the Corps of Engineers.
5. The permittee shall not hold the Federal Government or its contractors responsible for any damages they incur from the interruption of their operation or from any measures he has to take to comply with Special Conditions 4.
6. This permit for moorings does not eliminate the need to obtain local harbormaster approval or conform to local harbor management plans. If, in the best interest of overall navigation and under harbormaster direction, it becomes necessary to relocate the moorings, prior written authorization from the Corps is not required. No moorings may be relocated into a Federal Navigation Project. If relocation occurs, the permittee shall provide the Corps with a copy of the harbormaster approval and a plan and coordinates depicting the new location of the mooring(s).
7. The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

22



Yacht Haven LLC
 Overall Layout
 Corps# 200102442





YACHT HAVEN LLC
 PORTLAND, ME

SHEET 7 OF 10

FIXED BRIDGE
 HOR CL 88.5 FT
 VERT CL 5 FT

CNRY

Dolphins

90' SETBACK

17 FT FOR A WIDTH OF 300 FT MAY 15

2 M SH

2

5

4

C "5"

N "6"

7R 10

YARDS

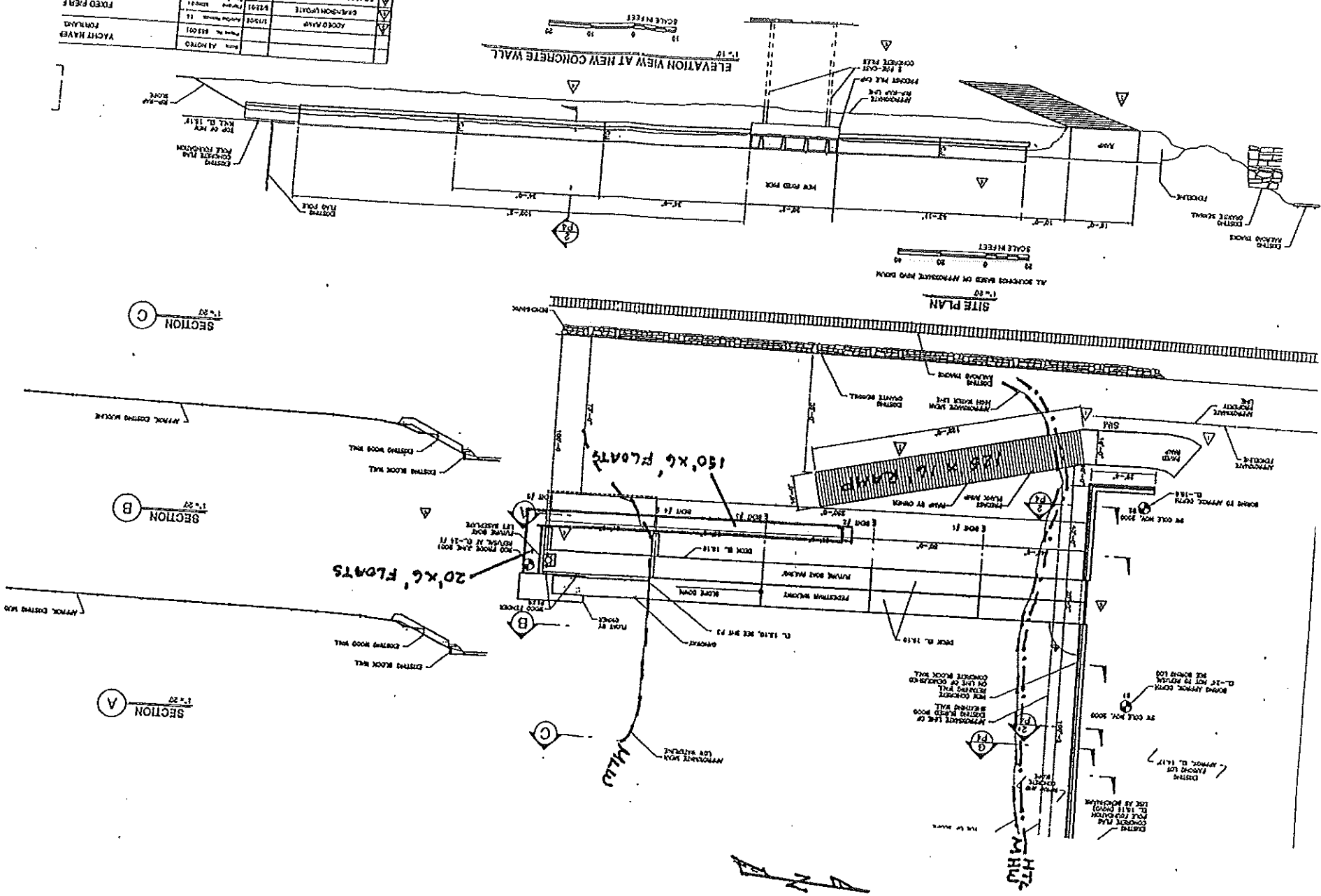
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YACHT HAVEN LLC
 PORTLAND, ME

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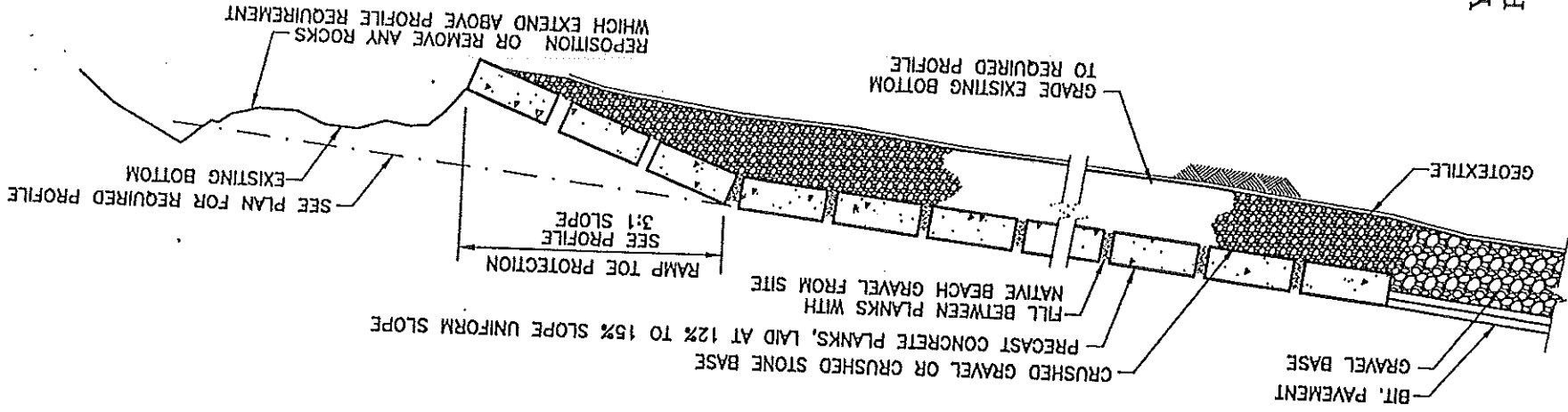
YACHT HAVEN LLC	PROJECT NO. 888 001	DATE 11/2008	SCALE 1/8" = 1'-0"
PORTLAND, ME	PROJECT NO. 888 001	DATE 11/2008	SCALE 1/8" = 1'-0"
GENERAL ARCH.	PROJECT NO. 888 001	DATE 11/2008	SCALE 1/8" = 1'-0"
YACHT HAVEN LLC	PROJECT NO. 888 001	DATE 11/2008	SCALE 1/8" = 1'-0"
PORTLAND, ME	PROJECT NO. 888 001	DATE 11/2008	SCALE 1/8" = 1'-0"
GENERAL ARCH.	PROJECT NO. 888 001	DATE 11/2008	SCALE 1/8" = 1'-0"



ZU

BOAT RAMP LONGITUDINAL SECTION - PLANK SYSTEM

3/8" = 1'-0"



YACHT HAVEN LLC
PORTLAND, ME

SHEET 10 OF 10

Kleinschmidt
Engineering & Architecture

Date: 12-12-2001

Scale: AS SHOWN

TYPICAL IN-HOUSE DETAIL

AutoCAD: 2000i

BOAT LAUNCHES

Director: J. Robinson

2V

BOARD OF HARBOR COMMISSIONERS HARBOR OF PORTLAND PERMIT

TO BE POSTED IN A CONSPICUOUS PLACE AT THE CONSTRUCTION SITE

To Yacht Haven LLC,
 Attn: Alan Graves, 65 Kensington St., Portland, ME 04103.
 The undersigned, Board of Harbor Commissioners for the Harbor of Portland, has carefully considered your application, dated the 13th day of September 2000, for a permit authorizing
 Twenty-five (25) moorings at the end of Kensington Street
 slips for rentals.

Having given public notice of this pending application, as required by law, and therein designated the 9th day of November 2000, 5 o'clock in the afternoon prevailing time, as the time when they would meet at Portland City Council Chambers to examine this issue and hear all interested parties, and having met at the time and place mentioned and examined the location of this proposed twenty-five rental moorings,

and having heard all interested parties, the Board of Harbor Commissioners for the Harbor of Portland hereby issues this permit which authorizes you to proceed under all applicable local and federal regulations hereinafter stated, and to maintain within the limits mentioned, namely

In addition, the construction project described above must be surrounded by a containment boom unless the Board of Harbor Commissioners for the Harbor of Portland has waived this requirement, in writing, either as part of the above-listed conditions, or in a separate statement.

This permit is a limited authorization which contains a stated set of conditions with which the permit holder must comply. If a contractor performs the work for you, both you and the contractor are responsible for assuring that the work is done in conformance with the conditions and limitations of this authorization. Please be sure that the person who will be performing the work has read and understands these conditions.

Performing any work not specifically authorized by this permit, or that fails to comply with its conditions, may subject you to the enforcement provisions of Harbor Commission regulations. If any change in plans or construction methods is found necessary, please contact the Harbor Commission immediately to discuss modifications to your authorization. Any change must be approved by the Harbor Commission before it is undertaken.

Nothing in this permit shall be construed to justify or authorize any invasion to the private rights of others. Moreover, nothing in this permit shall limit or modify the authority of the Board of Harbor Commissioners for the Harbor of Portland within its applicable statute. Attested copies will be submitted to the U.S. Army Corps of Engineers, the Department of Environmental Protection, the City of Portland, and the City of South Portland.

In Witness Whereof, the members of the Board of Harbor Commissioners for the Harbor of Portland hereunto set their hands and affix their corporate seal on this 9th day of November 2000.

Richard J. Appella
Christopher Coogan
Richard J. Appella
Richard J. Appella
Richard J. Appella

The work authorized by this permit must be completed on or before the 9th day of November 2001.



Board of Harbor Commissioners
Harbor of Portland, Maine

2 Portland Fish Pier
Marine Trade Center
Suite 213
Portland, ME 04101

October 11, 2001

H. Mason Sears
Yacht Haven, LLC.
100 Kensington Street
Portland, Maine 04103

RE: Approval of One-Year Extensions on Construction Permits 2000-09 and 2000-12

Dear Mr. Sears:

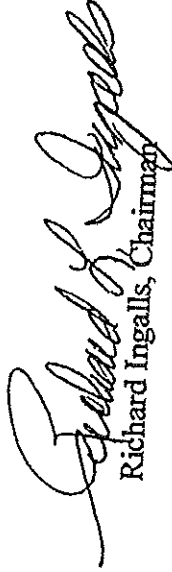
At the October 11, 2001 Public Hearing, the Board of Harbor Commissioners approved your request for one-year extensions on both of the following construction permits:

Permit 2000-12 for the construction of the marina and pier. This permit extension is for one year and will expire **October 11, 2002**.

Permit 2000-09 for 25 rental moorings to be installed at the end of Kensington Street. This permit extension is for one year and will expire **October 11, 2002**.

If work is not likely to be completed by that deadline, you will have to re-apply for further extensions before the permits expire. Please keep this letter with the original permits 2000-09 and 2000-12, as it is all the documentation you will receive for these extensions.

Very truly yours,
Board of Harbor Commissioners



Richard Ingalls, Chairman

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2002-2

BOARD OF HARBOR COMMISSIONERS HARBOR OF PORTLAND PERMIT

TO BE POSTED IN A CONSPICUOUS PLACE AT THE CONSTRUCTION SITE

To.....Yacht Haven LLC
100 Kensington St., Portland, ME 04103
The undersigned, Board of Harbor Commissioners for the Harbor of Portland, has carefully considered your application,
dated the 15th day of January 2002, for a permit authorizing
.....To construct a 16' x 125' boat ramp into the intertidal area.

.....
Having given public notice of this pending application, as required by law, and therein designated the 14th day
of February 2002, 5:00'clock in the afternoon prevailing time as the time when they would meet
at South Portland City Council Chambers to examine this issue and here all interested parties, and having
met at the time and place mentioned and examined the location of this proposed

.....
and having heard all interested parties, the Board of Harbor Commissioners for the Harbor of Portland hereby issues
this permit which authorizes you to proceed under all applicable local and federal regulations hereinafter stated, and to
maintain within the limits mentioned, namely

.....
In addition, the construction project described above must be surrounded by a containment boom unless the
Board of Harbor Commissioners for the Harbor of Portland has waived this requirement in writing, either as part of the
above-listed conditions, or in a separate statement.

.....
This permit is limited authorization, which contains a stated set of conditions with which the permit holder
must comply. If a contractor performs the work for you, both you and the contractor are responsible for assuring that
the work is done in conformance with the conditions and limitations of this authorization. Please be sure that the
person who will be performing the work has read and understands these conditions.

.....
Performing any work not specifically authorized by this permit, or that fails to comply with its conditions,
may subject you to the enforcement provisions of Harbor Commission regulations. If any change in plans or
construction methods is found necessary, please contact the Harbor Commission immediately to discuss modifications
to your authorization. Any change must be approved by the Harbor Commission before it is undertaken.

.....
Nothing in this permit shall be construed to justify or authorize any invasion to the private rights of others.
Moreover, nothing in this permit shall limit or modify the authority of the Board of Harbor Commissioners for the
Harbor of Portland with its applicable statute. Attested copies will be submitted to the U. S. Army Corps of Engineers,
the Department of Environmental protection, the City of Portland, and the City of South Portland.

.....
In Witness Whereof, the members of the Board of Harbor Commissioners for the Harbor of Portland
hereunto set their hands and affix their corporate seal on this 14th day of February 2002.

.....
The work authorized to this permit must be completed on
or before the 14th day of February 2003.

.....
John T. ...
Jan Kallman
.....
.....

Board of Harbor Commissioners for the Harbor of Portland

27

2000-12

BOARD OF HARBOR COMMISSIONERS HARBOR OF PORTLAND PERMIT

TO BE POSTED IN A CONSPICUOUS PLACE AT THE CONSTRUCTION SITE

To Yacht Haven, LLC, Alan Graves,
65 Kensington Street, Portland, Maine 04103
The undersigned, Board of Harbor Commissioners for the Harbor of Portland, has carefully considered your application,
dated the _____ day of _____ 2000, for a permit authorizing
for extension of the permit approved September 13, 1990 Public
Hearing for "PLAN C-1" for construction of marina at 100
Kensington Street, Portland, Maine.

Having given public notice of this pending application, as required by law, and therein designated
the 9th day of November 2000, 5 o'clock in the afternoon prevailing time, as the time when they
would meet at Portland City Council Chambers to examine this issue and hear all interested parties, and
having met at the time and place mentioned and examined the location of this proposed
marina construction as approved at the September 13, 1990 Public
hearing, to be extended one year from this date,
and having heard all interested parties, the Board of Harbor Commissioners for the Harbor of Portland hereby issues this
permit which authorizes you to proceed under all applicable local and federal regulations hereinafter stated, and to
maintain within the limits mentioned, namely TO CONTINUE CONSTRUCTION OF PLAN approved
September 13, 1990.

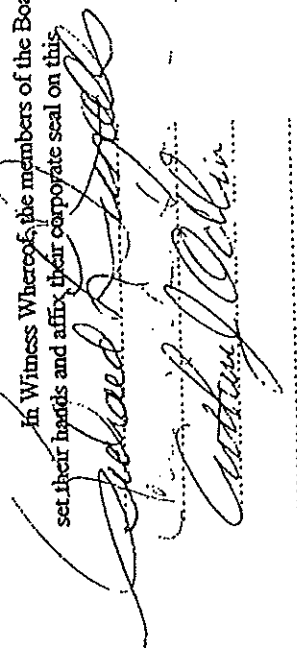
In addition, the construction project described above must be surrounded by a containment boom unless the
Board of Harbor Commissioners for the Harbor of Portland has waived this requirement, in writing, either as part of the
above-listed conditions, or in a separate statement.

This permit is a limited authorization which contains a stated set of conditions with which the permit holder
must comply. If a contractor performs the work for you, both you and the contractor are responsible for assuring that the
work is done in conformance with the conditions and limitations of this authorization. Please be sure that the person who
will be performing the work has read and understands these conditions.

Performing any work not specifically authorized by this permit, or that fails to comply with its conditions, may
subject you to the enforcement provisions of Harbor Commission regulations. If any change in plans or construction
methods is found necessary, please contact the Harbor Commission immediately to discuss modifications to your
authorization. Any change must be approved by the Harbor Commission before it is undertaken.

Nothing in this permit shall be construed to justify or authorize any invasion to the private rights of others.
Moreover, nothing in this permit shall limit or modify the authority of the Board of Harbor Commissioners for the
Harbor of Portland within its applicable statute. Attested copies will be submitted to the U.S. Army Corps of Engineers,
the Department of Environmental Protection, the City of Portland, and the City of South Portland.

In Witness Whereof, the members of the Board of Harbor Commissioners for the Harbor of Portland hereunto
set their hands and affix their corporate seal on this 9th day of November 2000.



The work authorized by this permit must be completed on or
before the 9th day of November 2001.



M-250R2 LUMINAIRE WITH CUTOFF OPTICS

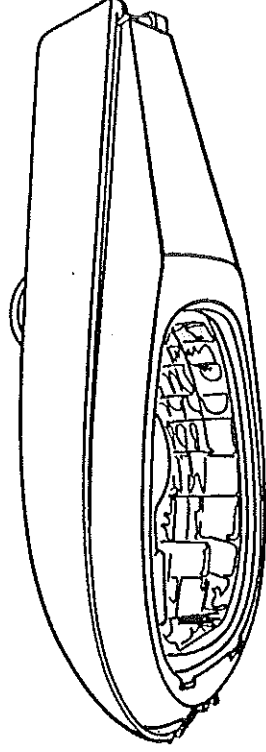
Att. 3

APPLICATIONS

Residential streets, access roads, parking lots and other outdoor areas

SPECIFICATION FEATURES

- Universal two-bolt slipfitter
- Die-cast aluminum housing with electrocoat gray paint finish
- Adjustable mogul base socket (street side) — E39 standard
- No-tool PE receptacle
- Plug-in ignitor
- True 90° cutoff—no light above 90°
- External stainless steel bail latch
- CSA Certified units available — contact factory
- Standard construction is IP55
- Magnapack packaging available — See Technical Section



Turtle-friendly luminaires available for coastal nesting areas. Contact factory.

ORDERING NUMBER LOGIC

PRODUCT ID. XXXX	WATTAGE XX	LIGHT SOURCE X	VOLTAGE X	BALLAST TYPE X	PE FUNCTION X	LENS TYPE X	IES DISTRIBUTION TYPE X	OPTIONS XXX
M2RC = M-250R2 with Cutoff Optics	05 = 50 07 = 70 10 = 100 15 = 150 17 = 175 (55V) 20 = 200 21 = 100/150 (55V) 25 = 250 NOTE: Dual wattage connected for lower wattage	S = HPS C = Merc Standard: Lamp not included.	60Hz 0 = 120/208/240/277 Multivolt 1 = 120 2 = 208 3 = 240 4 = 277 5 = 480 7 = 120X240 8 = 240V Ballast 120V PE Receptacle not reconnected D = 347 F = 120X347 T = 220 W = 230 50Hz 6 = 220 R = 230 Y = 240 NOTE: Dual voltage connected for lower voltage	See Ballast Selection Table A = Autoreg C = Merc-Reg G = Mag-Reg with Grounded Socket Shell H = HPF Reactor or Lag M = Mag-Reg N = NPF Reactor or Lag P = CWI with Grounded Socket Shell	1 = None 2 = PE Receptacle connected same voltage as unit except as noted Order PE Control separately.	See Photometric Selection Table A = Acrylic, Clear Globe G = Glass, Flat L = Polycarbonate, Clear Note: Use 150 watt maximum with Acrylic or Polycarbonate Clear Globes	See Photometric Selection Table	C = Charcoal filter F = Fusing (Not available with multivolt or dual voltage) J = Line Surge Protector, Expulsion Type

S = Short
M = Medium
C = Cutoff

2 = Type II
3 = Type III



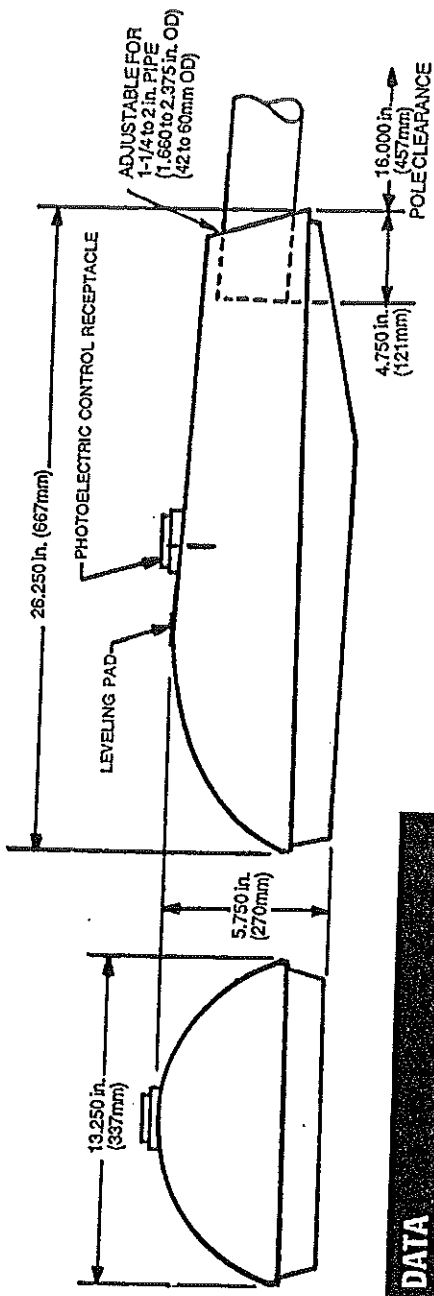
ROADWAY LIGHTING

GE Lighting Systems, Inc.

M-250R2 LUMINAIRE WITH CUTOFF OPTICS

3A

DIMENSIONS



DATA

Approximate Net Weight	20-30 lbs 9-14 kgs
Effective Projected Area (Max) Flat Glass Unit	0.6 sq ft 0.06 sq M
Clear Acrylic or Polycarbonate Globe Unit	1.0 sq ft 0.09 sq M
Suggested Mounting Height	20-40 ft 6-12 M

PHOTOMETRIC SELECTION TABLE

All light sources are clear unless otherwise indicated.

Wattage	Light Source	Lens Type	IES Distribution Type	
			Photometric Curve Number 35-17	(Soc Pos)
50, 70, 100, 150 (55 V)	HPS	A or L	MC3	SC2
50, 70, 100, 150 (55 V)	HPS	G	N/A	9168 (A) 7293(1B) 7306 (2D)
200, 250	HPS	G	N/A	7292(1.5B) 7305 (1D) N/A
100, 175, 250	Merc	G	N/A	N/A 7300(1B)

NOTE: N/A = Not Available

REFERENCES

See Page 324 for start of Accessories
See Page 328 for Explanation of Options and Other Terms Used
See Page 332 for Pole Selection

BALLAST SELECTION TABLE

Wattage	Light Source	Ballast Type/Voltage											
		60Hz						50Hz					
		Multivolt	120	208	240	277	480	120X240	347	240/120	220	230	240
50	HPS	H/N	H/N	H/N	H/N	H/N	H/N	H/N	H/N	H/N	H/N	H/N	H/N
70, 100, 150 (55V)	HPS	H/N	H/N	H/N	H/N	H/N	H/N	H/N	H/N	H/N	H/N	H/N	H/N
100/150 (55V)	HPS	N/A	G,H,M,N	G,H,M,N	G,H,M,N	G,H,M,N	G,H,M,N	G,H,M,N	G,H,M,N	G,H,M,N	G,H,M,N	G,H,M,N	G,H,M,N
200, 250	HPS	A,P	A,H,NP	A,H,NP	A,P	A,P	A,P	A,P	A**P	A,H,N	H	A,H,N	H
100, 175	Merc	C	C,N	C	C,N	C	C	C	N/A	CH,N	N/A	N/A	N/A
250	Merc	C	A,C,N	C	C,N	C	C	C	N/A	CH,N	N/A	N/A	N/A

NOTE: N/A = Not Available

NOTE: *Not available in 120X347 volt

NOTE: **Not available in 200 watt

Data subject to change without notice



GUIDE FORM SPECIFICATIONS

M-250R2 LUMINAIRE WITH CUTOFF OPTICS

3B

GENERAL DESCRIPTION

The complete luminaire designated _____ (*identify*) shall be a GE M-250R2 WITH CUTOFF OPTICS roadway luminaire, ordering number _____ (*specify* M2RCXXXXXXXXXXXX), or approved equal, to operate one _____ (*specify* [50, 70, 100, 150(55V), 200 or 250] watt high pressure sodium [HPS] or [100, 175 or 250] watt mercury) lamp from a nominal _____ (*specify* 120, 208, 220, 230, 240, 277, 347 or 480) volt, 60 Hz or (220, 230 or 240) volt, 50 Hz power source and shall be capable of starting and operating the specified lamp within the limits specified by the lamp manufacturer. The luminaire shall contain a completely prewired integral ballast and an optical assembly that shall provide an IES Distribution Type _____ (*specify* according to photometric selection table). Labeling shall be in accordance with ANSI standards. Some units may be CSA Certified. Contact factory. Standard construction is IP55.

MECHANICAL CONSTRUCTION

The luminaire shall include a precision die-cast aluminum upper and lower housing with an electrocoat gray paint finish. Lower housing shall be hinged and separable and shall hold the lens in place. The internal slipfitter shall contain two bolts which do not pass through the housing but tighten from below with lower housing in dropped position. The one-piece serrated pipe clamp shall be capable of adapting to 1 1/4 - through 2-inch (42 through 60 mm) pipe without rearrangement of clamp or bolts, and shall allow positive leveling $\pm 4^\circ$ from horizontal in 2° increments using stair step notches. (There shall be an optional prewired no-tool photoelectric control receptacle.)

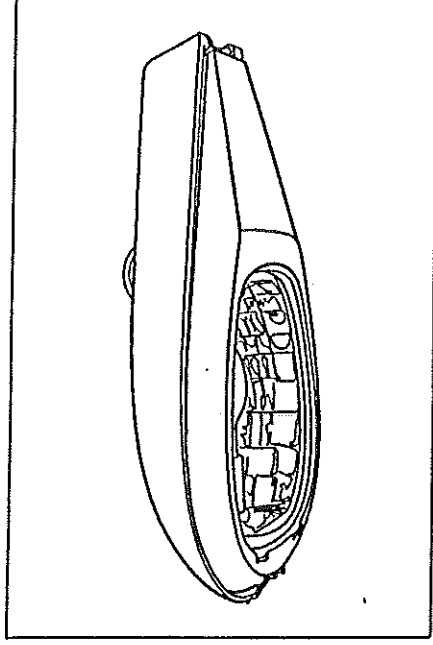
There shall be a metal or polymer bird guard, shipped installed and an external quick-release stainless steel ball latch requiring no tools and operable with lineman's gloves.

BALLAST OPERATION

The luminaire shall contain a standard _____ (*specify*) type ballast* in full compliance with lamp-ballast specifications available to the fixture manufacturer from the lamp manufacturers at the time of fixture manufacture. The ballast shall be prewired to the lamp socket and dead-back terminal board, requiring connection of power supply leads to the terminal board only. The plug-in ignitor for HPS lamps shall be removable without the use of tools.

The ballast shall reliably start and operate the lamp in ambient temperatures down to -20°F for mercury and metal halide or -40°F for HPS.

The luminaire and ballast shall be from the same manufacturer.



OPTICAL ASSEMBLY

The cutoff optical assembly shall include a precision formed aluminum reflector with a chemically-bonded lightweight non-breakable ALGLAS® finish on both the inside and outside surfaces providing corrosion resistance, durability and ease of cleaning, and a _____ (*specify* heat/impact-resistant tempered flat glass lens or acrylic or polycarbonate resin clear globe [for lamps over 150-watt, use glass lens only]). The cutoff optical assembly shall allow no light above 90° with use of flat glass lens (true 90° cutoff characteristics).

The cutoff optical assembly shall have a _____ (*specify* non-wicking felt gasket which acts as filter by excluding particulate contamination when the luminaire is closed, or an elastomer gasket), around the edge of the reflector. (With the elastomer gasket there shall be an activated charcoal filter to permit passage of air and therefore allow for breathing of the luminaire during normal off-on heating and cooling cycles, filtering out gaseous contaminants such as hydrocarbons.)

The optical assembly shall contain an adjustable E39 mogul base socket with superior lamp gripping. The socket shall have added insulation, giving it the ability to handle the higher pulse ratings of newer HID systems.

* REFER TO PRODUCT PAGE FOR BALLAST SELECTIONS. FOR MORE DEFINITIVE INFORMATION, REFER TO BALLAST SPECIFICATIONS IN TECHNICAL DATA SECTION.



GE Lighting Systems

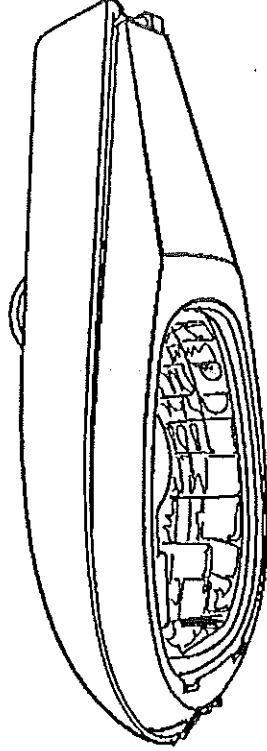
General Electric Company
Hendersonville, NC 28739

M-250R2 Luminaire with Cutoff Optics

30

SUGGESTED APPLICATIONS

For lower wattage roadway applications including residential streets, parking lots and other long, narrow areas



FEATURES

- Choice of fully enclosed acrylic, polycarbonate or borosilicate glass prismatic refractor (for lamps over 150 watts, use glass refractor only)
- Fiber gasket
- External stainless steel bail latch
- Utilizes 50-250 watt high pressure sodium (HPS) and 100-250 watt mercury lamps
- Die-cast aluminum housing with electrocoat gray paint finish
- No-tool photoelectric (PE) control receptacle (PE control ordered separately)
- Universal two-bolt slipfitter
- Plug-in ignitor
- Adjustable mogul base socket
- Power tray available
- CSA available

BENEFITS

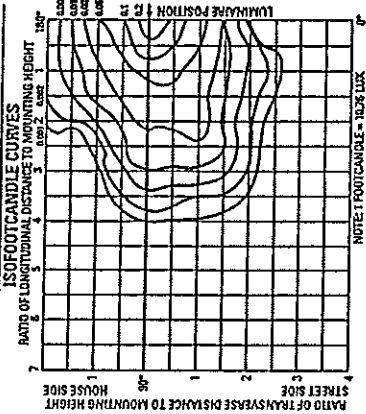
- Efficient, attractive, easy to maintain; polycarbonate refractor adds vandal resistance; acrylic refractor offers more precise prism pattern
- Helps keep inside surfaces clean for maintained light output; fiber gasket removes particulate matter
- Corrosion resistance, ease of installation, relamping, maintenance; visual check assures latching
- Meets wattage and color rendering requirements of the application
- Corrosion resistance and long life
- Easy-to-install PE control provides automatic dusk-to-dawn operation; can be aimed North without use of tools
- Easy installation, adaptable to a variety of applications, provides $\pm 5\%$ leveling capability
- Easy maintenance, reliable electrical contact
- Provides secure lamp seating for good electrical contact and proper lamp operation, field adjustment changes light distribution
- Provides convenient access to electrical parts for easy maintenance
- Meets Canadian Standards Association criteria



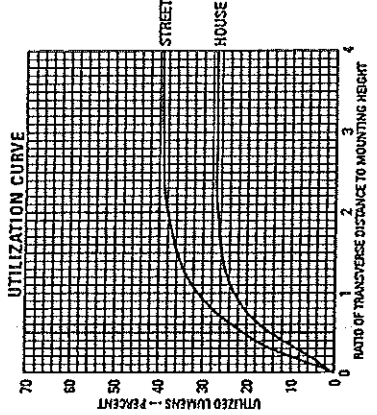
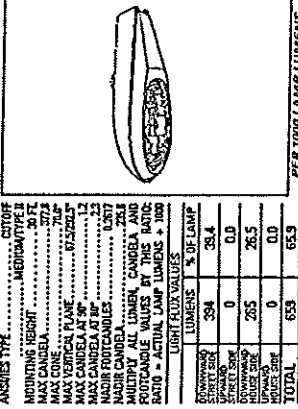
PHOTOMETRIC DATA M-250R2 LUMINAIRE WITH CUTOFF OPTICS

3D

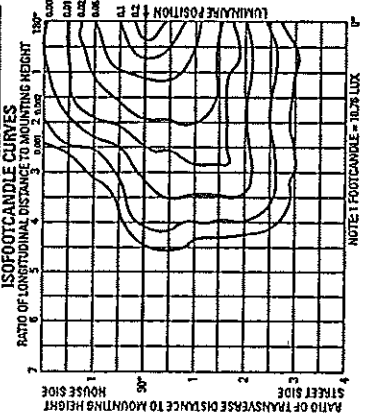
PHOTOMETRIC DATA 35-177293-00



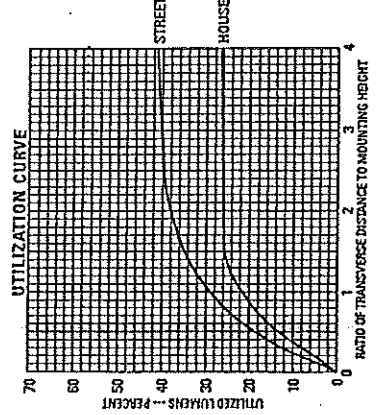
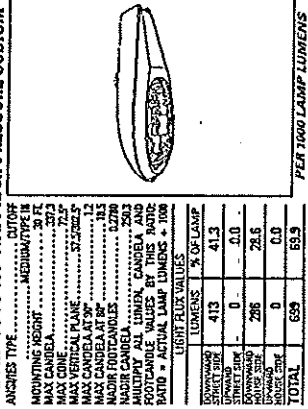
General Electric M-250R2 Luminaire
With Cutoff Optics, Reflector 35-232433-01
Reflector Clear Flat Glass, Socket Position B1
LAMP-70 TO 150 WATT HIGH PRESSURE SODIUM



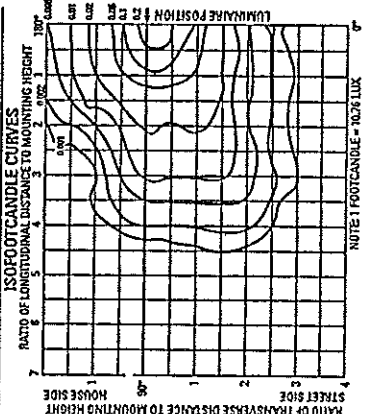
PHOTOMETRIC DATA 35-177292-00



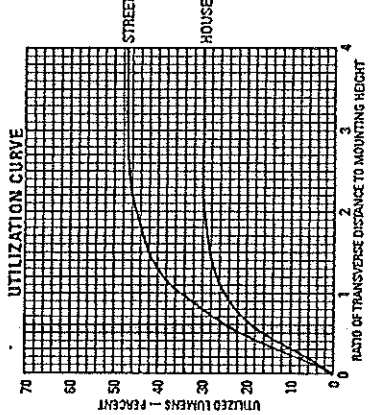
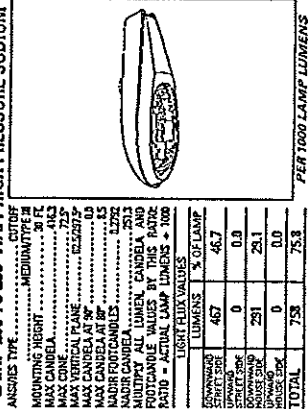
General Electric M-250R2 Luminaire
With Cutoff Optics, Reflector 35-232433-01
Reflector Clear Flat Glass, Socket Position 1.5B
LAMP-70 TO 150 WATT HIGH PRESSURE SODIUM



PHOTOMETRIC DATA 35-177305-01



General Electric M-250R2 Luminaire
With Cutoff Optics, Reflector 35-232433-03
Reflector Clear Flat Glass, Socket Position 1D
LAMP-200 TO 250 WATT HIGH PRESSURE SODIUM



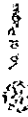
FROM : BUILDER-SERVICES

PHONE NO. : 717 957 3248

JUL 22 2004 02:43PM P1

Post-it Fax Note 7672

To Steve Dacy Corp.
Shendon Corp.



No. of Pages

To

From

Company

Location

Fax #

Dept. Charge

Comments

Telephone #

Telephone #

Fax # 207-453-2820

Original

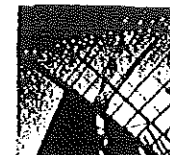
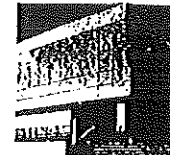
Submit

Return

Call to setup

MAINE YACHT CENTER

JULY 2, 2004



AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.

AISC Metal Building Manufacturer Certification Program

Butler Manufacturing Co.

Headquarters: Kansas City, MO

Facilities meeting program criteria:

- Annvile, PA
- Birmingham, AL
- Burlington, Ontario, Canada
- Galesburg, IL
- Kansas City, MO
- Laurinburg, NC
- San Marcos, TX
- Visalia, CA

- Design and Manufacturing
- Design
- Design
- Design and Manufacturing
- Design
- Design and Manufacturing
- Design and Manufacturing
- Design and Manufacturing



Alvaro J. Jett

President, American Institute of Steel Construction, Inc.

September 2004

Certification valid through the last day of this month

*from Kandi
6/24/04*

CITY OF PORTLAND, MAINE
DEVELOPMENT REVIEW APPLICATION
PLANNING DEPARTMENT PROCESSING FORM
Planning Copy

2004-0085
Application I. D. Number
05/06/2004
Application Date

The Sheridan Corporation
Applicant
P.O. Box 539, Fairfield, ME 04937
Applicant's Mailing Address

Amendment to Plan - Maine Yacht Ctr.
Project Name/Description

65 - 100 Kensington St, Portland, Maine
Address of Proposed Site
429 G001001

Consultant/Agent
Applicant Ph: (207) 453-9311 Applicant Fax: (207) 453-2820
Applicant or Agent Daytime Telephone, Fax
Proposed Development (check all that apply): New Building Building Addition Change Of Use Residential Office Retail
 Manufacturing Warehouse/Distribution Parking Lot Other (specify) Amendment

Assessor's Reference: Chart-Block-Lot

Proposed Building square Feet or # of Units Acreage of Site Zoning

- Site Plan (major/minor) Subdivision # of lots PAD Review 14-403 Streets Review
- Flood Hazard Shoreland Historic Preservation DEP Local Certification
- Zoning Conditional Use (ZBA/PB) Zoning Variance Other Amendment- St

Fees Paid: Site Plan Subdivision Engineer Review Date

Planning Approval Status:

Approved Approved w/Conditions See Attached Denied

Approval Date 06/16/2004 Approval Expiration 06/16/2005 Extension to 06/22/2004
 OK to issue Building Permit Kandi Talbot signature date 06/22/2004
 Additional Sheets Attached

Performance Guarantee Required* Not Required

* No building permit may be issued until a performance guarantee has been submitted as indicated below

<input checked="" type="checkbox"/> Performance Guarantee Accepted	06/21/2004	date	\$141,440.00	amount	05/24/2005	expiration date
<input checked="" type="checkbox"/> Inspection Fee Paid	06/21/2004	date	\$2,828.00	amount		
<input type="checkbox"/> Building Permit Issue		date				
<input type="checkbox"/> Performance Guarantee Reduced		date		remaining balance		signature
<input type="checkbox"/> Temporary Certificate of Occupancy		date		Conditions (See Attached)		expiration date
<input type="checkbox"/> Final Inspection		date				
<input type="checkbox"/> Certificate Of Occupancy		date				
<input type="checkbox"/> Performance Guarantee Released		date				
<input type="checkbox"/> Defect Guarantee Submitted		submitted date				expiration date
<input type="checkbox"/> Defect Guarantee Released		date				signature

**CITY OF PORTLAND, MAINE
DEVELOPMENT REVIEW APPLICATION
PLANNING DEPARTMENT PROCESSING FORM
DRC Copy**

2004-0085
Application I. D. Number
05/06/2004
Application Date

The Sheridan Corporation
Applicant
P.O. Box 539, Fairfield, ME 04937
Applicant's Mailing Address

Amendment to Plan - Maine Yacht Ctr.
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65 - 100 Kensington St, Portland, Maine
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429 G001001

Applicant Ph: (207) 453-9311 Applicant Fax: (207) 453-2820
Applicant or Agent Daytime Telephone, Fax
Proposed Development (check all that apply): New Building Building Addition Change Of Use Residential Office Retail
 Manufacturing Warehouse/Distribution Parking Lot Other (specify) **Amendment**

Assessor's Reference: Chart-Block-Lot

Proposed Building square Feet or # of Units Acreage of Site Zoning

Check Review Required:

- Site Plan (major/minor) Subdivision # of lots PAD Review 14-403 Streets Review
- Flood Hazard Shoreland HistoricPreservation DEP Local Certification
- Zoning Conditional Use (ZBA/PB) Zoning Variance Other Amendment- St

Fees Paid: Site Plan Subdivision Engineer Review Date

DRC Approval Status:

Approved Approved w/Conditions See Attached Denied

Approval Date 06/16/2004 Approval Expiration 06/16/2005 Extension to Additional Sheets Attached

Condition Compliance **Kandi Talbot** 06/22/2004 date signature

Performance Guarantee Required* Not Required

* No building permit may be issued until a performance guarantee has been submitted as indicated below

<input type="checkbox"/> Performance Guarantee Accepted	date	amount	expiration date
<input type="checkbox"/> Inspection Fee Paid	date	amount	
<input type="checkbox"/> Building Permit Issue	date		
<input type="checkbox"/> Performance Guarantee Reduced	date	remaining balance	signature
<input type="checkbox"/> Temporary Certificate of Occupancy	date	<input type="checkbox"/> Conditions (See Attached)	expiration date
<input type="checkbox"/> Final Inspection	date		
<input type="checkbox"/> Certificate Of Occupancy	date		signature
<input type="checkbox"/> Performance Guarantee Released	date		
<input type="checkbox"/> Defect Guarantee Submitted	submitted date	amount	expiration date
<input type="checkbox"/> Defect Guarantee Released	date	signature	

CITY OF PORTLAND, MAINE
DEVELOPMENT REVIEW APPLICATION
PLANNING DEPARTMENT PROCESSING FORM
ADDENDUM

The Sheridan Corporation
Applicant
P.O. Box 539, Fairfield, ME 04937
Applicant's Mailing Address

Consultant/Agent
Applicant Ph: (207) 453-9311 Applicant Fax: 2074532820
Applicant or Agent Daytime Telephone, Fax

2004-0085
Application I. D. Number
05/06/2004
Application Date

Amendment to Plan - Maine Yacht Ctr.
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65 - 100 Kensington St, Portland, Maine
Address of Proposed Site
429 G001001
Assessor's Reference: Chart-Block-Lot

Approval Conditions of Planning

1 see 2003-0020 for planning board approval conditions



Central Maine Power

2/4/04

January 28, 2004

William Needelman, Planner
Planning and Development Department
City of Portland
389 Congress Street
Portland, ME 04101

Re: Central Maine Power application for Site Plan approval and Conditional Use approval for an electrical substation at 328 West Commercial Street, Portland.

Dear Mr. Needelman:

CMP is seeking Site Plan and Conditional Use approval to build an electrical substation at 328 West Commercial Street (Chart 72, Block B, Lot 2) to address immediate and significant growth-related reliability issues in the commercial center of Portland. The attached Site Plan Application and Conditional Use Application provide a narrative description of the project, project plans, and documentation as required by the City's ordinances.

We appreciate the guidance we received in our meeting with the City's SWOT team, and we have worked hard to address the staff's concerns and comments in this application. We especially appreciate the City's sensitivity to the difficult time line imposed on this project by its proximity to the Portland Connector Project. The proposed substation site is near the Veteran's Circle, where major reconstruction for the Connector will begin on March 1 of this year. CMP needs to coordinate its site plan design and schedule with the larger project, including the integration of our off-site cable connections and 12 kV duct bank construction with the Connector Project's March construction schedule.

The Fore River substation and the Portland Connector are critical infrastructure for the Portland's continued growth, and it is imperative that we coordinate their construction. CMP appreciates the City's accommodations as a late-arriving complication in the Connector project, and we are doing our best to keep in step with your schedule.

An equal opportunity employer

53 Anthony Avenue | Augusta, ME 04330
tel (207) 626-9600 | fax (207) 626-9608

www.cmpco.com



An Energy East Company

Project Summary

The Fore River Substation Project is Central Maine Power's first major new substation to serve the Portland peninsula since the early 1970's. Three decades of new construction, building rehabilitation, and changes in consumer demand for reliability and power quality have created a need for new investment in the City's electrical infrastructure. This project will substantially reduce the risk of electrical outages from system overloading and provide much needed new capacity as the city grows.

The proposed substation will tap into an existing, underground and submarine 115 kV transmission cable (designated Section 275) that interconnects the Cape substation in South Portland with the Sewall Street substation. This new substation will bring a 115 kV source to the area along the waterfront and in-town area. CMP will shift electrical loads from the Forest Avenue, Union Street, and Sewall Street substations onto new distribution circuits fed from the new Fore River substation. This will provide sufficient electrical capacity at the existing substations to serve the peninsular area customers safely and reliably.

The first phase of the project will begin in March 2004 with the installation of the distribution duct network throughout the Portland Connector work area. Construction on the substation site is scheduled to start in September 2004 for completion by late spring 2005.

CMP System Description and Electrical Demand Summary

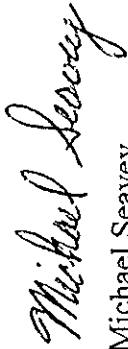
CMP's substations at Forest Avenue, Union Street, and Sewall Street serve the city's in-town distribution circuits. The substations are supplied by a network of 34.5 kV underground electric cables that form a loop to the company's 115 kV transmission lines at Sewall Street and at the Cape Station on the South Portland waterfront. When first installed, the system had reserve capacity to keep the system operating in the event of an isolated failure and extra capacity for growth. However, increased demand has eroded that safety margin for current loads, and the system doesn't have the capacity to serve future developments already proposed for the in-town area. Overloading the substations or cable system could lead to outages for Portland homes and businesses.

Based on historical data, the electrical demand for the area served by the Sewall Street, Forest Avenue, and Union Street substations grew an average of 3.0 percent per year from 1979 to 2003. In the period from 1999 to 2003, the growth rate surged to 3.9 percent per year as new developments came on line. In the past three years alone, thirty large projects have added nearly 13,000 kilowatts (kW) of load on in-town circuits. These include new construction, building renovations, and facility improvements. In addition, current projects could add as much as 2,000 kW within the year, and future projects expected over the next four years could add as much as another 13,000 kW of new load.

William Needelman, Planner
Planning and Development Department
Page 3 of 3

CMP must meet the present and future electrical demand on the Portland peninsula without compromise to safety, reliability, power quality, or delay to present and future customers. We have been working diligently to provide for the community's needs, and appreciate the City's prompt attention to our application. We look forward to meeting with the Planning Board on February 24th, but in the meantime, please contact me with any questions or comments.

Sincerely,



Michael Seavey
Project Manager

Enc.

City of Portland Site Plan Application
City of Portland Condition Use Application



CONDITIONAL USE APPLICATION
 City of Portland, Maine
 Department of Planning and Development
 Portland Planning Board

1. Applicant Information: CENTRAL MAINE POWER CO.
 Name
83 EDISON DRIVE
 Address
AUGUSTA, ME 04336
621-4478 626-4045
 Phone Fax

2. Subject Property:
328 WEST COMMERCIAL ST.
 Address
PORTLAND, ME 04102
72-B-2
 Assessor's Reference (Chart-Block-Lot)

3. Property Owner: CIAMBRO CORPORATION Applicant Other
 Name
328 WEST COMMERCIAL STREET
 Address
PORTLAND, ME 04102
773-5852 773-7617
 Phone Fax

4. Right, Title, or Interest: Please identify the status of the applicant's right, title, or interest in the subject property:
SEE PURCHASE AND SALE AGREEMENT - CIAMBRO/CMP

Provide documentary evidence, attached to this application, of applicant's right, title, or interest in the subject property. (For example, a deed, option or contract to purchase or lease the subject property.)

5. Vicinity Map: Attach a map showing the subject parcel and abutting parcels, labeled as to ownership and/or current use. (Applicant may utilize the City Zoning Map or Parcel Map as a source.)