



Consulting
Engineers and
Scientists

May 2, 2022

Boston Conservation Commission
1 City Hall Square
Boston, MA 02201

Re: **Shipyards Park Pier 4 Support Pile Repairs, Eighth Street, Boston, MA**
Request to Amend Order of Conditions (DEP File #006-1861)
GEI #2104034

Dear Members of the Boston Conservation Commission:

On behalf of the Boston Planning and Development Agency and in compliance with the terms of General Special Condition 36 of the Order of Conditions issued by the commission on April 21, 2022 under DEP File No. 006-1861 (the Order), this is to request the Boston Conservation Commission amend the Order to accommodate the following change to the above-referenced project.

The proposed change consists of the replacement of block and chain anchors with 14-inch diameter, timber mooring piles for the temporary mooring of floats relocated from the north side of Pier 4 during the period of construction of support pile repairs. A total of 23 mooring piles are proposed in the locations depicted in attached Sheet S-105-A. All piles will be installed using vibratory methods following a “soft start procedure”, building up power slowly from a low energy start-up over a period of 20 to 40 minutes, to mitigate potential adverse impacts to fish species. Upon completion of repairs to the Pier 4 piles, the floats will be reinstalled along the north side of Pier 4 and the mooring piles will be removed from the site.

The mooring piles will alter approximately 25 square feet of Land Under the Ocean (LUTO) resource area by temporary displacement. This area is approximately 455 square feet less than the area to be altered by displacement through the use of block and chain anchors – a 95 percent reduction in area of impact. The use of mooring piles for the temporary mooring of floats is consistent with the performance standards at 310 CMR 10.25 (see Attachment A). Further, the proposed replacement of block and chain anchors with mooring piles will have no greater or lesser impact on climate change and resiliency, changes due to sea level rise, or changes in storm intensity or frequency than the project currently authorized in the Order (see Attachment A).

Thank you for your consideration of this request. If you have any questions or require additional information, please call.

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Respectfully,

GEI Consultants, Inc.



Bradford Saunders
Senior Regulatory Consultant

Cc: MA-DEP, NERO

Attachments: Sheet S-105-A (dated revised to 4/29/22)
Attachment A – Description and Assessment of Amendment

Attachment A – Description and Assessment

Request to Amend Order of Conditions – DEP #006-1861

Proposed Action

As stated in the Notice of Intent filed on March 25, 2022, the Boston Planning and Development Agency (BPDA) proposes to decouple and temporarily relocate the concrete floating dock currently attached along the northeast face of Pier 4 in order to remove the imparted load on the pier and provide access for the Pier 4 pile repairs defined therein. Two alternative designs were presented in the Notice of Intent for mooring the relocated floats: a block and chain anchoring system and a mooring pile system. In issuing the Order of Conditions, the conservation commission approved the then-preferred alternative which was the block and chain anchoring system.

Subsequent to the issuance of the Order of Conditions, the BPDA began the contractor bid process and was advised by every contractor with interest in the project that the use of mooring piles would be a more efficient and cost-effective means of securing the floats during the period of temporary relocation than the use of a block and chain anchoring system. Accordingly, the BPDA is requesting the Boston Conservation Commission amend the Order of Conditions issued under DEP File #006-1861 to replace the block and chain anchoring system with mooring piles. The temporary configuration of the floats will be as currently authorized for the block and chain anchoring system, but instead of blocks and chains a total of 23, 14-inch diameter, timber mooring piles will “anchor” the floats (see Figure A). The installation of these piles will result in the temporary loss of approximately 25 square feet of Land Under the Ocean resource area.

It is anticipated that this work will be conducted using equipment staged on a work barge. The proposed means, methods, and sequencing for this work are as follows.

- Install using vibratory methods the 23 timber piles to serve as mooring piles for the temporary relocation of the concrete floats.
- Decouple the concrete floats from the pier structure, relocate them, and attach them to the temporary mooring piles.
- Upon completion of the pile repairs to Pier 4, decouple the concrete floats from the temporary mooring piles and reattach them to the northeast side of the pier.
- Remove the temporary timber mooring piles from the site.

Proposed Mitigation Measure

The temporary mooring piles will be installed using vibratory methods following a “soft start procedure”, building up power slowly from a low energy start-up over a period of 20 to 40 minutes. By adhering to a “soft-start” protocol the potential impacts to fish in the vicinity of the work can be minimized.

Impacts to Wetland Resource Areas

Land Under the Ocean

Definition and Existing Conditions

Land Under the Ocean (LUTO) consists of land extending from the mean low water line seaward to the boundary of the municipality's jurisdiction and includes land under estuaries. At the project site, LUTO consists of the bed of Boston Harbor in the areas to be used for the temporary relocation of the concrete float.

Impacts of the Proposed Amendment

The amendment will result in direct temporary displacement of a total of 25 square feet of LUTO. This area of displacement is 455 square feet less than the area of displacement that would result from the installation of the block and chain anchors.

Compliance with Performance Standards

Applicable performance standards for activities conducted within this resource area are defined at 310 CMR 10.25(5, 6, and 7). The performance standards at 310 CMR 10.25(3) and (4) are specific to dredging activities and are not applicable to the proposed action.

Performance Standard 5

Performance Standard 5 states that projects which affect nearshore areas of land under the ocean shall not cause adverse effects by altering the bottom topography so as to increase storm damage or erosion of coastal beaches, coastal banks, coastal dunes, or salt marshes.

Compliance with Performance Standard 5

The proposed amendment will result in the temporary displacement of 25 square feet of LUTO. This represents a 95 percent reduction in the area of temporary displacement from that which would result from the use of the currently authorized anchoring system. Further, there are no coastal beaches, coastal banks, coastal dunes, or salt marshes in the vicinity of the project site that could be damaged by the temporary displacement of this resource area. Accordingly, the proposed amendment is in compliance with the terms and conditions of Performance Standard 5.

Performance Standard 6

Performance Standard 6 states that projects which affect land under the ocean shall if water-dependent be designed and constructed, using best available measures, so as to minimize adverse effects.

Compliance with Performance Standard 6

The proposed mooring piles will be installed using best available measures to minimize potential adverse effects. Specifically, the piles will be installed using vibratory methods following a “soft start procedure”, building up power slowly from a low energy start-up over a period of 20 to 40 minutes. By adhering to a “soft-start” protocol the potential impacts to fish in the vicinity of the work can be minimized.

Performance Standard 7

Performance Standard 7 states that, notwithstanding the provisions of 310 CMR 10.25(3) through (6), no project may be permitted which will have any adverse effect on specified habitat sites of rare vertebrate or invertebrate species, as identified by procedures established under 310 CMR 10.37.

Compliance with Performance Standard 7

A review of maps prepared by the Massachusetts Natural Heritage and Endangered Species Program (updated August 1, 2021) has revealed that the project area is not a specified habitat for rare vertebrate or invertebrate species. Accordingly, this performance standard is not applicable to the proposed amendment.

Land Subject to Coastal Storm Flowage

Definition and Existing Conditions

Land Subject to Coastal Storm Flowage (LSCSF) consists of land subject to any inundation caused by coastal storms up to and including that caused by the 100-year storm, surge of record or storm of record, whichever is greater. At the project site the FEMA base flood elevation is defined as being 10', NAVD88 (see attached FEMA FIRMette of Community Panel 25025C0081J). Although the proposed project, being conducted entirely below, within, or over the Boston Harbor watershed, will not require work to be performed on LSCSF, the applicant has been advised that the two-dimensional area of piles extending above the elevation of mean low water is considered by the Boston Conservation Commission to represent a displacement of LSCSF.

Compliance with Performance Standards

There are no specific performance standards specified in the Massachusetts Wetlands Regulations (310 CMR 10.00) concerning work to be conducted within this resource area; nevertheless, it is understood that such work should not result in increased flooding or damage due to inundation by flood waters. The proposed mooring piles will occupy a total area of approximately 25 square feet of space above the elevation of MLW. This level of displacement will have no measurable impact on the LSCSF resource area. Being entirely within or over a tidal watershed, the impact on area of inundation during flooding will be de minimis. The wide spacing of the mooring piles (>25 feet) ensures that they will not constrict flows in a way that will increase the velocity of flood waters or redirect high energy waves onto adjacent shorelines.

Compliance with Massachusetts Stormwater Standards

The proposed amendment does not include activities that generate stormwater runoff. Accordingly, the provisions of 310 CMR 10.05(6)(k) regarding the use of stormwater best practices consistent with the Massachusetts Stormwater Management Standards are not applicable.

Compliance with City of Boston (BPDA) Climate Change Resiliency Standards

The proposed action does not include construction of a structure or implementation of a land use upon the surface of land. Accordingly, the City of Boston's Climate Change Resiliency Standards are not applicable to this work.

Effect of Projected Sea Level Rise, Changes in Storm Intensity and Frequency, and Other Consequences of Climate Change on Resource Areas and the Proposed Activity

The proposed amendment consists solely of the temporary installation of 23 mooring piles. These mooring piles will remain in-place for what is anticipated to be approximately one (1) year, while the existing piles beneath Pier 4 are repaired. As the proposed activity is of such short duration, the anticipated effect of projected sea level rise, changes in storm intensity and frequency, and other consequences on climate change on both the resource areas and activity are de minimis.



**AFFIDAVIT OF SERVICE
FOR ABUTTER NOTIFICATION**

**Under the Massachusetts Wetlands Protection Act
and Boston Wetlands Ordinance**

I, Bradford Saunders, hereby certify under pains and penalties of perjury that that at least one week prior to the public hearing, I gave notice to abutters in compliance with the second paragraph of Massachusetts General Laws Chapter 131, section 40, and the DEP Guide to Abutter Notification dated April 8, 1994, in connection with the following matter:

A **Request to Amend OoC** was filed under the Massachusetts Wetlands Protection Act and/or the Boston Wetlands Ordinance by Boston Planning & Development Agency for use of mooring piles for temporary mooring of relocated floats located at Charlestown Naval Shipyard Park, Eighth St., Boston, MA 02129

The Abutter Notification For, the list of abutters to whom it was given, and their addresses are attached to this Affidavit of Service.

Name

5/4/2022

Date



**NOTIFICATION TO ABUTTERS
BOSTON CONSERVATION COMMISSION**

In accordance with the Massachusetts Wetlands Protection Act, Massachusetts General Laws Chapter 131, Section 40, and the Boston Wetlands Ordinance, you are hereby notified as an abutter to a project filed with the Boston Conservation Commission.

A. Boston Planning & Development Agency has filed a request with the Boston Conservation Commission seeking permission to Amend an Order of Conditions issued under the Wetlands Protection Act (General Laws Chapter 131, section 40) and the Boston Wetlands Ordinance.

B. The address of the lot where the activity is proposed is Eighth Street (Charlestown Naval Shipyard Park).

C. The project involves a change in the approved design for the temporary mooring of relocated floats.

D. Copies of the Request may be obtained by contacting the Boston Conservation Commission at CC@boston.gov.

E. Copies of the Request may be obtained from GEI Consultants, Inc. by contacting them at 774-277-6020 between the hours of 9:00 AM and 5:00 PM, Monday through Friday.

F. In accordance with the Chapter 20 of the Acts of 2021, the public hearing will take place **virtually** at <https://zoom.us/j/6864582044>. If you are unable to access the internet, you can call 1-929-205-6099, enter Meeting ID 686 458 2044 # and use # as your participant ID.

G. Information regarding the date and time of the public hearing may be obtained from the **Boston Conservation Commission** by emailing CC@boston.gov or calling **(617) 635-3850** between the hours of **9 AM to 5 PM, Monday through Friday**.

NOTE: Notice of the public hearing, including its date, time, and place, will be published at least five (5) days in advance in the **Boston Herald**.

NOTE: Notice of the public hearing, including its date, time, and place, will be posted on www.boston.gov/public-notices and in Boston City Hall not less than forty-eight (48) hours in advance. If you would like to provide comments, you may attend the public hearing or send written comments to CC@boston.gov or Boston City Hall, Environment Department, Room 709, 1 City Hall Square, Boston, MA 02201

NOTE: If you would like to provide comments, you may attend the public hearing or send written comments to CC@boston.gov or Boston City Hall, Environment Department, Room 709, 1 City Hall Square, Boston, MA 02201

NOTE: You also may contact the Boston Conservation Commission or the Department of Environmental Protection Northeast Regional Office for more information about this application or the Wetlands Protection Act. To contact DEP, call: the Northeast Region: (978) 694-3200.

NOTE: If you plan to attend the public hearing and are in need of interpretation, please notify staff at CC@boston.gov by 12 PM the day before the hearing.



City of Boston
Environment



City of Boston
Mayor Martin J. Walsh

波士顿湿地保护委员会项目邻近住户通知

根据《马萨诸塞州湿地保护法》、《马萨诸塞州普通法》第 131 章第 40 节以及《波士顿湿地条例》的规定，我们特此向您，即向波士顿湿地保护委员会提出申请的项目的邻近住户，发出以下通知。

- A. 波士顿规划与发展局已向波士顿湿地保护委员会提出申请，请求批准改建一块受《湿地保护法》（《普通法》第 131 章第 40 节）和《波士顿湿地条例》保护的地块。
- B. 拟开展改建活动的地块地址为：第八街（查尔斯敦海军造船厂公园）。
- C. 该项目涉及以下建设内容：对已批准的搬迁浮筒临时停泊设计的变更。
- D. 可通过联系波士顿保护委员会取得意向通知书的副本，电子邮件是 CC@boston.gov。
- E. 您可于 星期一至星期五的上午9:00点至下午5:00点之间 致电 774-277-6020 向 GEI Consultants, Inc. 处获取意向通知的副本。
- F. 根据《马萨诸塞州行政命令》（暂缓执行《公开会议法》听证会将在网上 <https://zoom.us/j/6864582044> 进行。如果无法上互联网 (Internet)，则可致电 1-929-205-6099，输入会议编号(ID) 686 458 2044 #，然后使用 # 作为您参与的编号 (ID.)
- G. 您可于周一至周五上午 **9** 点到下午 **5** 点联系波士顿湿地保护委员会，咨询公开听证会举行的日期和时间，邮箱地址：CC@boston.gov，电话：**(617) 635-4416**。

注：公开听证会的通知（包括其举行日期、时间和地点）将提前至少五天在《波士顿先驱报》上予以公布。

注：公开听证会的通知（包括其举行日期、时间和地点）将提前至少四十八（48）小时发布在以下网页之上以及波士顿市政厅内：www.boston.gov/public-notice。如果您想提出意见或建议，您可以参加该公开听证会或将书面形式的意见或建议发送至 CC@boston.gov 或邮寄至以下地址：Boston City Hall, Environment Department, Room 709, 1 City Hall Square, Boston, MA 02201。

注：您也可以联系波士顿湿地保护委员会或环境保护部东北地区办公室，咨询有关此项申请或《湿地保护法》的更多信息。如要联系环境保护部，请致电：东北地区：（978）694-3200。

注：如果您准备参加该公开听证会并需要口译服务，则请在听证会举行前一天中午 12 点前通过以下电子邮箱地址告知工作人员：CC@boston.gov。

1 CITY HALL SQUARE BOSTON, MA 02201-2021 | ROOM 709 | 617-635-3850 | ENVIRONMENT@BOSTON.GOV

CITY of **BOSTON**



BABEL NOTICE

English:

IMPORTANT! This document or application contains **important information** about your rights, responsibilities and/or benefits. It is crucial that you understand the information in this document and/or application, and we will provide the information in your preferred language at no cost to you. If you need them, please contact us at cc@boston.gov or 617-635-3850.

Spanish:

¡IMPORTANTE! Este documento o solicitud contiene **información importante** sobre sus derechos, responsabilidades y/o beneficios. Es fundamental que usted entienda la información contenida en este documento y/o solicitud, y le proporcionaremos la información en su idioma preferido sin costo alguno para usted. Si los necesita, póngase en contacto con nosotros en el correo electrónico cc@boston.gov o llamando al 617-635-3850.

Haitian Creole:

AVI ENPÒTAN! Dokiman oubyen aplikasyon sa genyen **enfòmasyon ki enpòtan** konsènan dwa, responsablite, ak/oswa benefis ou yo. Li enpòtan ke ou konprann enfòmasyon ki nan dokiman ak/oubyen aplikasyon sa, e n ap bay enfòmasyon an nan lang ou prefere a, san ou pa peye anyen. Si w bezwen yo, tanpri kontakte nou nan cc@boston.gov oswa 617-635-3850.

Traditional Chinese:

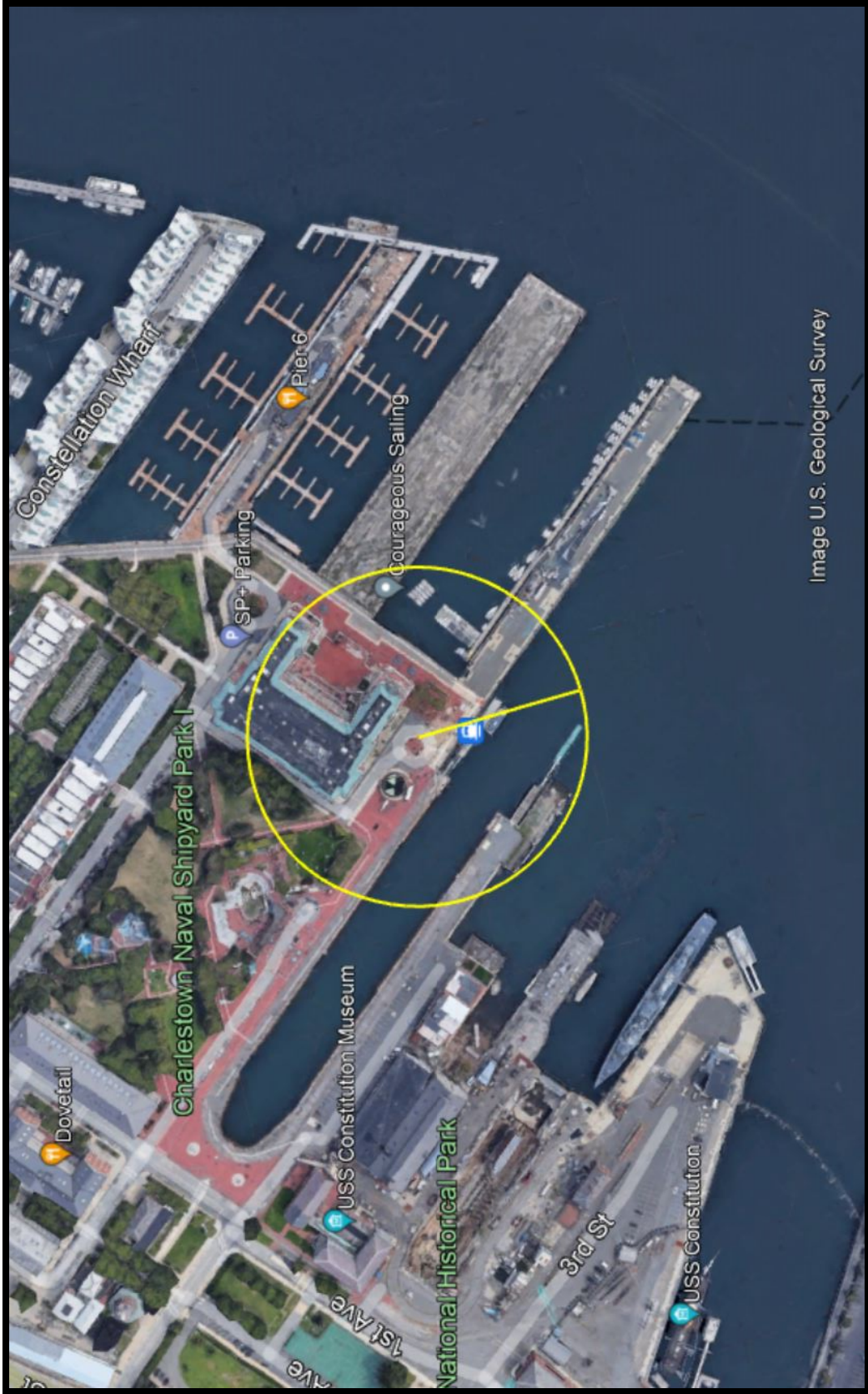
非常重要！這份文件或是申請表格包含關於您的權利，責任，和／或福利的重要信息。請您務必完全理解這份文件或申請表格的全部信息，這對我們來說十分重要。我們會免費給您提供翻譯服務。如果您有需要請聯系我們的郵箱 cc@boston.gov 電話# 617-635-3850..

Vietnamese:

QUAN TRỌNG! Tài liệu hoặc đơn yêu cầu này chứa **thông tin quan trọng** về các quyền, trách nhiệm và/hoặc lợi ích của bạn. Việc bạn hiểu rõ thông tin trong tài liệu và/hoặc đơn yêu cầu này rất quan trọng, và chúng tôi sẽ cung cấp thông tin bằng ngôn ngữ bạn muốn mà không tính phí. Nếu quý vị cần những dịch vụ này, vui lòng liên lạc với chúng tôi theo địa chỉ cc@boston.gov hoặc số điện thoại 617-635-3850.

Simplified Chinese:

非常重要！这份文件或是申请表格包含关于您的权利，责任，和／或福利的重要信息。请您务必完全理解这份文件或申请表格的全部信息，这对我们来说十分重要。我们会免费给您提供翻译服务。如果您有需要请联系我们的邮箱 cc@boston.gov 电话# 617-635-3850.



Area Within 300 Feet Of The Pier 4 Project Work Site

LIST OF ABUTTERS (300') OF PROJECT SITE

ADDRESS	OWNER	MAILING ADDRESS	CITY	STATE	ZIP CODE
197 EIGHTH ST 511	AMBASH JOSEPH	197 EIGHTH ST #511	CHARLESTOWN	MA	2129
197 EIGHTH ST PH29	WALKER JOHN H	197 EIGHTH ST #PH029	CHARLESTOWN	MA	2129
197 EIGHTH ST 332	CARR NICHOLAS	197 EIGHTH ST #332	CHARLESTOWN	MA	2129
197 EIGHTH ST 301	ABELL LYNN	197 EIGHTH ST, UNIT 301	CHARLESTOWN	MA	2129
197 EIGHTH ST 404	ODONNELL MARY	47 MARION DR	KINGSTON	MA	2364
197 EIGHTH ST PH203	DURANT MICHAEL G JR	197 EIGHTH ST #PH203	CHARLESTOWN	MA	2129
197 EIGHTH ST 614	SPOONER AMY E	197 EIGHTH ST #614	CHARLESTOWN	MA	2129
197 EIGHTH ST 707	CHOW E PINGCHANG	197 EIGHTH ST #706	CHARLESTOWN	MA	2129
197 EIGHTH ST 622	PALMER RICHARD W	197 EIGHTH ST #622	CHARLESTOWN	MA	2129
197 EIGHTH ST 605	MOSELEY JOHN C TS	197 EIGHTH ST #605	CHARLESTOWN	MA	2129
197 EIGHTH ST PH212	CURTIS MARGARITA R	536 NASHVILLE AVENUE	NEW ORLEANS	LA	70115
197 EIGHTH ST 629	LEE JAMES S	197 EIGHTH ST #629	CHARLESTOWN	MA	2129
197 EIGHTH ST 407	BEJA ANDREW L	197 EIGHTH ST #407	CHARLESTOWN	MA	2129
197 EIGHTH ST PH221	BEYDOUN NOUR	197 EIGHTH ST PH221	CHARLESTOWN	MA	2129
197 EIGHTH ST PH207	EPSTEIN CAROL L	197 EIGHTH ST #PH207	CHARLESTOWN	MA	2129
197 EIGHTH ST 526	ALLEN LISA J	197 EIGHTH ST #526	CHARLESTOWN	MA	2129
197 EIGHTH ST PH11	ROBERTA A MASIELLO AND TERRY	197 EIGHTH ST #PH11	CHARLESTOWN	MA	2129
197 EIGHTH ST 428	HAYES PAULA	197 EIGHTH ST #428	CHARLESTOWN	MA	2129
197 EIGHTH ST 319	CHIUVE RONALD	197 EIGHTH ST, UNIT 319	CHARLESTOWN	MA	2129
197 EIGHTH ST 610	MULCAHY FAMILY TRUST	197 EIGHTH ST # 610	CHARLESTOWN	MA	2129
197 EIGHTH ST 728	HOLADAY SUSAN G	197 EIGHTH ST #728	CHARLESTOWN	MA	2129
197 EIGHTH ST 802	APPEL JASON	197 EIGHTH ST #801	CHARLESTOWN	MA	2129
197 EIGHTH ST 602	197 EIGHTH STREET TRUST	197 EIGHTH ST #602	CHARLESTOWN	MA	2129
197 EIGHTH ST 515	PARKER MICHAEL W	197 EIGHTH ST #515	CHARLESTOWN	MA	2129
197 EIGHTH ST PH224	MULLANEY SEAN W	197 EIGHTH ST #PH224	CHARLESTOWN	MA	2129
197 EIGHTH ST 721	FLAGSHIP QUAY LLC	197 EIGHTH ST #315	CHARLESTOWN	MA	2129
197 EIGHTH ST 2	NEW ENGLAND HISTORIC	197 EIGHTH ST #2	CHARLESTOWN	MA	2129
197 EIGHTH ST 412	MCCARTHY ELIZABETH A	93 SEAVIEW AVENUE	MARBLEHEAD	MA	1945
197 EIGHTH ST 608	SULLIVAN MARK J TS	197 EIGHTH ST #608	CHARLESTOWN	MA	2129
197 EIGHTH ST 806	BUSHEE JAMES M	197 EIGHTH ST #806	CHARLESTOWN	MA	2129

197 EIGHTH ST 904	FLAT ROOF LLC	197 EIGHTH ST #904	CHARLESTOWN	MA	2129
197 EIGHTH ST 329	JOSEPH KARAGEZIAN REVOCABLE	7 DEBSTON LA	LYNNFIELD	MA	1940
197 EIGHTH ST 304	ONE-97 C M LLC	P O BOX 1942	BROOKLINE	MA	2446
197 EIGHTH ST 431	ZELL DAVID M	197 EIGHTH ST #431	CHARLESTOWN	MA	2129
197 EIGHTH ST PH32	ROBERTSON ANNE BLYTHE	197 EIGHTH ST #PH32	CHARLESTOWN	MA	2129
197 EIGHTH ST 712	MACKENZIE JENNIFER LEIGH	197 EIGHTH ST #712	CHARLESTOWN	MA	2129
197 EIGHTH ST 206	CURLEY PATRICK A III	197 EIGHTH ST # 206	CHARLESTOWN	MA	2129
197 EIGHTH ST 421	INGALLS MARGARET D	197 EIGHTH ST #421	CHARLESTOWN	MA	2129
197 EIGHTH ST 506	CUTLER SHERRIE STEPHENS TC	197 EIGHTH ST #506	CHARLESTOWN	MA	2129
197 EIGHTH ST 625	197 8TH STREET UNIT 625 REALTY TRUST	197 EIGHTH ST, UNIT 625	CHARLESTOWN	MA	2129
197 EIGHTH ST 424	PHILLIPS GEORGIA C	197 EIGHTH ST #424	CHARLESTOWN	MA	2129
197 EIGHTH ST 632	ELLEN BRENNAN-RING TRUST	197 EIGHTH ST, UNIT 632	CHARLESTOWN	MA	2129
197 EIGHTH ST 312	CRAMER ALAN	197 EIGHTH ST #312	CHARLESTOWN	MA	2129
197 EIGHTH ST 530	MIKIC BORIVOJE	197 EIGHTH ST #530	CHARLESTOWN	MA	2129
197 EIGHTH ST 901	CENCI SCOTT M	197 EIGHTH ST #901	CHARLESTOWN	MA	2129
197 EIGHTH ST 724	KINCAID FAMILY TRUST	17 FULLER RD	NORTH ANDOVER	MA	1845
197 EIGHTH ST PH216	POSTOL THEODORE A	197 EIGHTH ST #PH216	CHARLESTOWN	MA	2129
197 EIGHTH ST 503	ARTHUR J HURLEY III TRUST	C/O MATTHEW C HURLEY	BOSTON	MA	2119
197 EIGHTH ST 214	SWEENEY MARIAN	197 EIGHTH ST #214	CHARLESTOWN	MA	2129
197 EIGHTH ST 523	KAUFMAN DAVID	197 EIGHTH ST #523	CHARLESTOWN	MA	2129
197 EIGHTH ST 731	WEISSEDER RALPH	197 EIGHTH ST #731	CHARLESTOWN	MA	2129
197 EIGHTH ST 401	COFFMAN SUSAN P	197 EIGHTH ST, UNIT 401	CHARLESTOWN	MA	2129
197 EIGHTH ST PH25	TUCKER KATHLEEN A	197 EIGHTH ST #PH-25	CHARLESTOWN	MA	2129
197 EIGHTH ST 722	LIDDELL DAVID	197 EIGHTH ST #722	CHARLESTOWN	MA	2129
197 EIGHTH ST 620	PAOLUCCI REAL ESTATE LLC	85 EAST INDIA ROW, UNIT 18F	BOSTON	MA	2110
197 EIGHTH ST 330	ROHRBACHER RICHARD G	155 SEAPORT BLVD	BOSTON	MA	2210
197 EIGHTH ST 716	SALTER CARL	197 EIGHTH ST #716	CHARLESTOWN	MA	2129
197 EIGHTH ST 705	STEVENS MARK A TS	197 EIGHTH STREET UNIT 705	CHARLESTOWN	MA	2129
197 EIGHTH ST 432	DAVID G BROWN 2019 TRUST	PO BOX 84	W HYANNISPORT	MA	2672
197 EIGHTH ST PH201	ROOK ROBERT	342 BUNKER HILL ST APT 5A	CHARLESTOWN	MA	2129
197 EIGHTH ST 203	LAWRENCE BRENNER 2020 TRUST	197 EIGHTH ST, UNIT 203	CHARLESTOWN	MA	2129
197 EIGHTH ST PH210	TSAO JEFFREY	197 EIGHTH ST UNIT PH210	CHARLESTOWN	MA	2129
197 EIGHTH ST 306	HACKETT JEAN M TS	197 EIGHTH ST #306	CHARLESTOWN	MA	2129
197 EIGHTH ST 507	XAROS JAMES L	8 TREVINO CIR	ANDOVER	MA	1810

197 EIGHTH ST 416	HILSINGER EMMY D TS	197 EIGHTH ST #416	CHARLESTOWN	MA	2129
197 EIGHTH ST 422	BABCOCK JEAN	197 EIGHTH ST #422	CHARLESTOWN	MA	2129
197 EIGHTH ST 626	SILVERMAN RICHARD T	197 EIGHTH ST #626	CHARLESTOWN	MA	2129
197 EIGHTH ST 314	POLI MARCANTONIO	197 EIGHTH ST #314	CHARLESTOWN	MA	2129
197 EIGHTH ST 425	J OWEN TODD TRUST	8 WINDSONG LANE	WOLFBORO	NH	3894
197 EIGHTH ST 531	SULLIVAN MARK J TS	197 8TH ST #531	CHARLESTOWN	MA	2129
197 EIGHTH ST PH19	MEDICE ALBERT E	197 EIGHTH ST #PH-19	CHARLESTOWN	MA	2129
197 EIGHTH ST 725	CHRISTINE COLLEY LIVING TRUST	197 EIGHTH ST, UNIT 725	CHARLESTOWN	MA	2129
197 EIGHTH ST 518	TAKAMI DARLENE J	197 EIGHTH ST #518	CHARLESTOWN	MA	2129
197 EIGHTH ST 524	MORGAN JENNIFER A	197 EIGHTH ST, UNIT 524	CHARLESTOWN	MA	2129
197 EIGHTH ST 704	SAVAGE TERRY W	197 EIGHTH ST, UNIT 704	CHARLESTOWN	MA	2129
197 EIGHTH ST PH205	CONNIE KARASSAS GUTIERREZ 2019 TRST	197 EIGHTH ST, UNIT PH-06	CHARLESTOWN	MA	2129
197 EIGHTH ST 229	NOLEN MARY E	197 EIGHTH ST #229	CHARLESTOWN	MA	2129
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197 EIGHTH ST	FLAGSHIP WHARF CONDOMINIUM ASSOC.	197 8TH ST	CHARLESTOWN	MA	2129
197 EIGHTH ST 302	OBRIEN STEPHEN T	197 EIGHTH ST #302	CHARLESTOWN	MA	2129
197 EIGHTH ST 501	SAZANI PETER	197 EIGHTH ST #501	CHARLESTOWN	MA	2129
197 EIGHTH ST 902	DESMOND ELIZABETH A	197 EIGHTH ST #902	CHARLESTOWN	MA	2129
197 EIGHTH ST 719	TORCHILIN VLADIMIR	197 EIGHTH ST #719	CHARLESTOWN	MA	2129
197 EIGHTH ST PH222	CLARK ANTHONY LEE	197 EIGHTH ST #PH222	CHARLESTOWN	MA	2129
197 EIGHTH ST 623	IANNELLI TRACY	197 EIGHTH ST #623	CHARLESTOWN	MA	2129
197 EIGHTH ST 606	ROSEMARY A MACERO TRUST	197 EIGHTH ST, UNIT 606	CHARLESTOWN	MA	2129
197 EIGHTH ST PH228	NEE MATTHEW	197 EIGHTH ST #PH228	CHARLESTOWN	MA	2129
197 EIGHTH ST PH229	FLAGSHIP QUAY LLC	197 EIGHTH ST #315	CHARLESTOWN	MA	2129
197 EIGHTH ST 405	TIMMERMAN JOHN C	197 EIGHTH ST #405	CHARLESTOWN	MA	2129
197 EIGHTH ST 408	BEJA ANDREW L	197 EIGHTH ST #408	CHARLESTOWN	MA	2129
197 EIGHTH ST 419	TANYA O GUIDI TRUST OF 2003	197 EIGHTH ST, UNIT 419	CHARLESTOWN	MA	2129
197 EIGHTH ST 528	LIU LIANG	197 EIGHTH ST #528	CHARLESTOWN	MA	2129
197 EIGHTH ST 630	WILK RICHARD J	197 EIGHTH ST, UNIT 630	CHARLESTOWN	MA	2129
197 EIGHTH ST 232	MICHELINI THERESA J	197 EIGHTH ST #232	CHARLESTOWN	MA	2129
197 EIGHTH ST 429	ZELL DAVID M	197 EIGHTH ST #429	CHARLESTOWN	MA	2129
197 EIGHTH ST 321	BROGAN THERESA A	197 EIGHTH ST #321	CHARLESTOWN	MA	2129
197 EIGHTH ST 521	LOUIE THOMAS A	197 EIGHTH ST, UNIT 521	CHARLESTOWN	MA	2129
197 EIGHTH ST 803	MAJUDA REALTY TRUST	197 EIGHTH ST #803	CHARLESTOWN	MA	2129

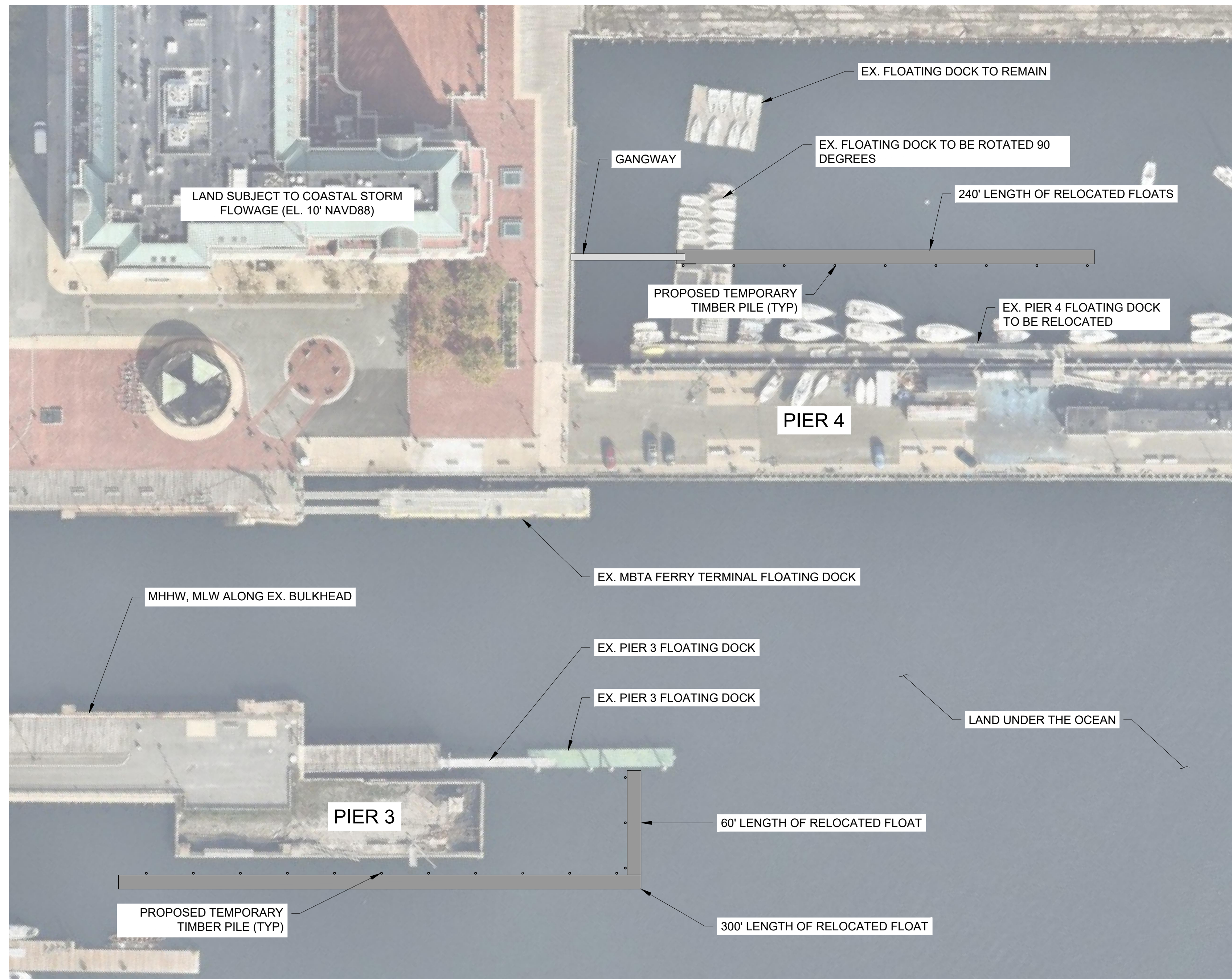
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197 EIGHTH ST 701	SIMEONE CHRISTINE A	197 EIGHTH ST #701	CHARLESTOWN	MA	2129
197 EIGHTH ST 618	CAMP JOSEPH P	197 EIGHTH ST #618	CHARLESTOWN	MA	2129
197 EIGHTH ST 720	WEILER MICHAEL	197 EIGHTH ST #720	CHARLESTOWN	MA	2129
197 EIGHTH ST 414	SMITH WAYNE	1001ST AVE N #801	ST PETERSBURG	FL	33701
197 EIGHTH ST 516	JENKINSON JEANNIE M	197 EIGHTH ST #516	CHARLESTOWN	MA	2129
197 EIGHTH ST PH23	MARKEL ROBERT T	197 EIGHTH ST PH23	CHARLESTOWN	MA	2129
197 EIGHTH ST 303	AKINS CARY W	197 EIGHTH ST #303	CHARLESTOWN	MA	2129
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197 EIGHTH ST PH232	HICKEY CAROL A	197 EIGHTH ST PH232	CHARLESTOWN	MA	2129
197 EIGHTH ST 207	POSTER STEPHANIE L	197 EIGHTH ST #207	CHARLESTOWN	MA	2129
197 EIGHTH ST 505	FOLEY MARY ANN	197 EIGHTH ST #505	CHARLESTOWN	MA	2129
197 EIGHTH ST 420	BURNS MARGARET C	197 EIGHTH ST #420	CHARLESTOWN	MA	2129
197 EIGHTH ST 406	LAUREL A GORMLEY TRUST	75 FEDERAL ST #1100	BOSTON	MA	2110
197 EIGHTH ST 702	VOLPE REALTY TRUST	197 EIGHT ST, UNIT 702	CHARLESTOWN	MA	2129
197 EIGHTH ST 423	GRANCEY SHARON A	197 EIGHTH ST #423	CHARLESTOWN	MA	2129
197 EIGHTH ST 309	ATHANASSIU MARIA	197 EIGHTH ST #309	CHARLESTOWN	MA	2129
197 EIGHTH ST 710	SZUM JOHN T	197 EIGHTH ST #710	CHARLESTOWN	MA	2129
197 EIGHTH ST 504	L SIMMONS CONSULTING LLC	197 EIGHTH ST, UNIT 504	CHARLESTOWN	MA	2129
197 EIGHTH ST 804	WALTS ALAN E	197 EIGHTH ST #804	CHARLESTOWN	MA	2129
197 EIGHTH ST PH17	DIONIGI ADRIANA	197 EIGHTH ST #PH17	CHARLESTOWN	MA	2129
197 EIGHTH ST 906/907	PETERS TODD M TS	197 EIGHTH ST #906/907	CHARLESTOWN	MA	2129
197 EIGHTH ST 732	VENTRESCA ANNA MARIA	197 EIGHTH ST #732	CHARLESTOWN	MA	2129
197 EIGHTH ST 215	BINLADEN MOHAMMED M	197 EIGHTH ST #906	CHARLESTOWN	MA	2129
197 EIGHTH ST 522				DC	
197 EIGHTH ST 410	ELLIOTT KATHLEEN M	197 EIGHTH ST, #410	CHARLESTOWN	MA	2129
197 EIGHTH ST PH226	WEHBE ROBIN	197 EIGHTH ST #PH226	CHARLESTOWN	MA	2129
197 EIGHTH ST 723	SUSAN M CONWAY 2014 TRUST	197 EIGHTH ST, UNIT 723	CHARLESTOWN	MA	2129
197 EIGHTH ST 615	SHEA RICHARD F	197 EIGHTH ST	CHARLESTOWN	MA	2129
197 EIGHTH ST 512	ABRASS LOUAY	197 EIGHTH ST #512	CHARLESTOWN	MA	2129
197 EIGHTH ST PH03	JEZNACH JEFFREY F	21 BRIDLE PATH	SHREWSBURY	MA	1545
197 EIGHTH ST PH220	TURNOCK ELIZABETH	197 EIGHTH ST #PH220	CHARLESTOWN	MA	2129

197 EIGHTH ST 708	POLI MARCANTONIO	36 COUNTRY CLUB DRIVE	GILFORD	NH	3249
197 EIGHTH ST 717	KENNY DONNA M	197 EIGHTH ST #717	CHARLESTOWN	MA	2129
197 EIGHTH ST 204	TRACY RONALD	197 EIGHTH ST #204	CHARLESTOWN	MA	2129
197 EIGHTH ST 621	CARDINALI ROSANGELA L	197 EIGHTH ST #621	CHARLESTOWN	MA	2129
197 EIGHTH ST 307	BERGER CHARLES	7408 E SYCAMORE ST	EVANSVILLE	IN	47715
197 EIGHTH ST 417	DEELEY THOMAS F	197 EIGHTH ST #417	CHARLESTOWN	MA	2129
197 EIGHTH ST PH217	DESANCTIS SUSANNE T	197 EIGHTH ST # PH217	CHARLESTOWN	MA	2129
197 EIGHTH ST PH223	FLAGSHIP PH REALTY TRUST	75 PARK PLAZA	BOSTON	MA	2116
197 EIGHTH ST 426	PAOLUCCI MARK	197 EIGHTH ST #426	CHARLESTOWN	MA	2129
197 EIGHTH ST PH12	KLIBANSKI ANNE	197 EIGHTH ST, UNIT PH12	CHARLESTOWN	MA	2129
197 EIGHTH ST 315	SHARRY PHILIP J	197 EIGHTH ST #315	CHARLESTOWN	MA	2129
197 EIGHTH ST 611	611 FLAGSHIP LLC	125 TOLMAN AVENUE	LEOMINSTER	MA	1453
197 EIGHTH ST 807	LUNDQUIST JANE L TS	197 EIGHTH ST #807	CHARLESTOWN	MA	2129
197 EIGHTH ST 603	BURKE BEATRICE C	197 EIGHTH ST #603	CHARLESTOWN	MA	2129
197 EIGHTH ST 801	APPEL JASON	197 EIGHTH ST #801	CHARLESTOWN	MA	2129
197 EIGHTH ST 210	CLAIRMONT STEPHEN F	35 WALNUT ST	NEWTON	MA	2460
197 EIGHTH ST 230	BAILEY FAMILY TRUST	197 EIGHTH ST, UNIT 230	CHARLESTOWN	MA	2129
197 EIGHTH ST 519	JOHN SHAJI O	197 EIGHTH ST #519	CHARLESTOWN	MA	2129
197 EIGHTH ST 525	MCGONAGLE PAUL	197 EIGHTH ST #525	CHARLESTOWN	MA	2129
197 EIGHTH ST PH06	CONNIE KARASSAS GUTIERREZ 2019 TRST	197 EIGHTH ST, UNIT PH-06	CHARLESTOWN	MA	2129
197 EIGHTH ST 1	197 ASSOCIATES LP	197 EIGHTH ST	CHARLESTOWN	MA	2129
197 EIGHTH ST 514	MARKOS ERENI	71 RICHARDSON RD	LYNN	MA	1904
197 EIGHTH ST 411	WILLIAMSON FAMILY NOMINEE TRUST	197 EIGHTH ST, UNIT 411	CHARLESTOWN	MA	2129
197 EIGHTH ST 718	KENNEY PETER C	197 EIGHTH ST, UNIT 718	CHARLESTOWN	MA	2129
197 EIGHTH ST 903	BUTLER JOHN E TS	197 EIGHTH ST # 903	CHARLESTOWN	MA	2129
197 EIGHTH ST 205	CARTY DEIRDRE	197 EIGHTH ST #205	CHARLESTOWN	MA	2129
197 EIGHTH ST 616	MCGING PETER A	197 EIGHTH ST #616	CHARLESTOWN	MA	2129
197 EIGHTH ST 607	KING DAVID M	197 EIGHTH ST #607	CHARLESTOWN	MA	2129
197 EIGHTH ST 805	BEVERLY TANGVIK LIVING TRUST	197 EIGHTH ST, UNIT 805	CHARLESTOWN	MA	2129
197 EIGHTH ST PH21	CURRIE MARK G	197 EIGHTH ST # PH21	CHARLESTOWN	MA	2129
197 EIGHTH ST PH230	ANDERSON ROBERT J	197 EIGHTH ST #PH-230	CHARLESTOWN	MA	2129
197 EIGHTH ST 308	COTTER JOHN E	197 EIGHTH ST, #308	CHARLESTOWN	MA	2129
197 EIGHTH ST PH219	MANTEL SUSANNE	C/O RYAN LLC	HOUSTON	TX	77056
197 EIGHTH ST 418	PERLMUTTER MAUREEN C	197 EIGHTH ST #418	CHARLESTOWN	MA	2129

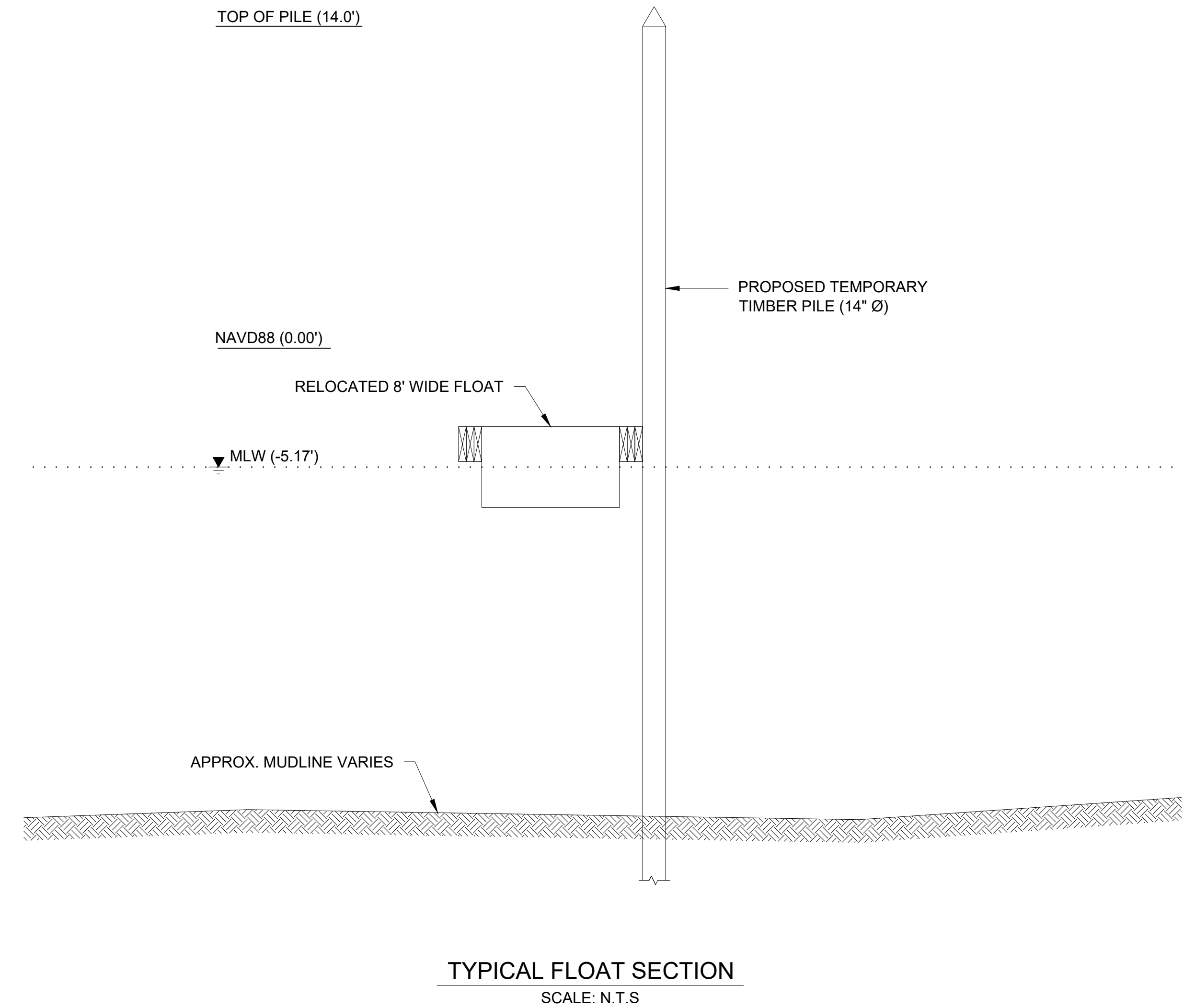
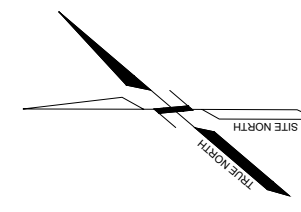
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197 EIGHTH ST PH225	MAYER SALLY	197 EIGHTH ST #PH225	CHARLESTOWN	MA	2129
197 EIGHTH ST 529	MOUNT WILLIAM	197 EIGHTH ST #529	CHARLESTOWN	MA	2129
197 EIGHTH ST PH215	HUANG PEARL SHIRLEY	197 EIGHTH ST #PH-215	CHARLESTOWN	MA	2129
197 EIGHTH ST 430	BOYLE JOHN J TS	197 EIGHTH ST #430	CHARLESTOWN	MA	2129
197 EIGHTH ST 323	PACTOVIS HOWARD J	197 EIGHTH ST, UNIT 323	CHARLESTOWN	MA	2129
197 EIGHTH ST 502	197 EIGHTH STREET UNIT 502 REALTY TRST	87 MASON ROAD	COMPTON	NH	3223
197 EIGHTH ST 808	SPILLANE JOANNE	197 EIGHT ST #808	CHARLESTOWN	MA	2129
197 EIGHTH ST 212	FRIELING LORI C	4 WINDY HILL LANE	WAYLAND	MA	1778
197 EIGHTH ST 231	XIE ZHONGCONG	7 APACHE LANE	ANDOVER	MA	1810
197 EIGHTH ST 520	SPIVAK PAUL	197 EIGHTH ST, UNIT 520	CHARLESTOWN	MA	2129
197 EIGHTH ST 730	BRADEN KATHLEEN TS	197 EIGHTH ST #730	CHARLESTOWN	MA	2129
197 EIGHTH ST 604	KAREN E KILCOYNE NOMINEE TRUST	22 TURTLE COVE RD	EAST SANDWICH	MA	
197 EIGHTH ST PH02	BOSTON 3B LLC	9 COMMERCIAL ST	HUDSON	NH	3051
197 EIGHTH ST 402/403	HEILBRONNER WARREN M TS	PO BOX 150 CRYSTAL LAKE RD	EATON	NH	3832
197 EIGHTH ST 517	SNEH NITZAN	197 EIGHTH ST #517	CHARLESTOWN	MA	2129
197 EIGHTH ST 619	SUH ERICK	197 EIGHTH ST #619	CHARLESTOWN	MA	2129
197 EIGHTH ST 331	WOZNIAK STEVEN	197 EIGHTH ST #331	CHARLESTOWN	MA	2129
197 EIGHTH ST 510	MCGONAGLE TERESA	197 EIGHTH ST #510	CHARLESTOWN	MA	2129
197 EIGHTH ST 612	MCGONAGLE TERESA M	197 EIGHTH ST #612	CHARLESTOWN	MA	2129
197 EIGHTH ST 706	NICODEMUS CHRISTOPHER F	197 EIGHTH ST #706	CHARLESTOWN	MA	2129
197 EIGHTH ST 715	KING MARGARET A	406 DELLBROOK PL	RICHMOND	VA	23238
197 EIGHTH ST 305	ROSANDER STEPHANIE E	197 EIGHTH ST #305	CHARLESTOWN	MA	2129
197 EIGHTH ST 202	TUCKER KATHLEEN A	197 EIGHTH ST UNIT #PH25	CHARLESTOWN	MA	2129
197 EIGHTH ST 508	MIDWOOD BRENT RICHARD	197 EIGHTH ST, UNIT 508	CHARLESTOWN	MA	2129
197 EIGHTH ST 628	MILLER KAREN RUTH	197 EIGHTH ST #628	CHARLESTOWN	MA	2129
197 EIGHTH ST 415	BISBEE DANA F	197 EIGHTH ST #415	CHARLESTOWN	MA	2129
197 EIGHTH ST PH211	CHAPMAN MICHAEL EDWARD	197 EIGHTH ST #PH211	CHARLESTOWN	MA	2129
197 EIGHTH ST PH10	VINCZE MARIANNE	197 EIGHTH ST #PH10	CHARLESTOWN	MA	2129
197 EIGHTH ST 703	SMITH QUINTIN	197 EIGHTH ST, UNIT 703	CHARLESTOWN	MA	2129
197 EIGHTH ST 711	BABIN BARBARA VAN DUZER	197 EIGHTH ST #711	CHARLESTOWN	MA	2129
197 EIGHTH ST 532	MARCELLE ANETTE BELISLE	197 EIGHTH ST #532	CHARLESTOWN	MA	2129
197 EIGHTH ST 227	PINTA MICHAEL R	197 EIGHTH ST #227C	CHARLESTOWN	MA	2129
197 EIGHTH ST 726	KENNEDY LINDA S	197 EIGHTH ST #726	CHARLESTOWN	MA	2129

197 EIGHTH ST PH218	GEFFIN MICHAEL	197 EIGHTH ST #PH218	CHARLESTOWN	MA	2129
197 EIGHTH ST 601	197 EIGHTH STREET NOMINEE TRUST	197 EIGHTH ST #602	CHARLESTOWN	MA	2129
197 EIGHTH ST 908	BUTLER JOHN E	197 EIGHTH ST #908	CHARLESTOWN	MA	2129

FITZGERALD, JAMISON, BIVINS & ASSOCIATES, INC. (AKA BRAD) 02/04/2022 - SHIPYARD PARK WATERFRONT INFRASTRUCTURE PERMITS - 05 FLOAT RELOCATION SITE PLAN - Amendment Log - 5/3/2022

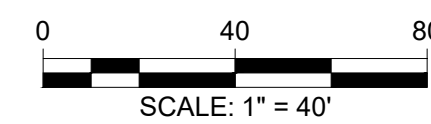


PIER 4 FLOAT RELOCATION PLAN
SCALE: 1"=40'-0"



TYPICAL FLOAT SECTION
SCALE: N.T.S.

FOR PERMITS ONLY
NOT FOR CONSTRUCTION



Attention:
0 1" 80
If this scale bar does not measure 1" then drawing is not original scale.

R.J. Titmuss
04/29/22

Designed:	AJG
Drawn:	JSF
Checked:	XXX
Approved:	XXX
P.E. No:	
GEI Project	2104361



BOSTON PLANNING & DEVELOPMENT AGENCY
ONE CITY HALL SQUARE
BOSTON, MA 02201

**PIER 4 - PILE REPAIRS
NOTICE OF INTENT**

SHIPYARD PARK WATERFRONT - PIER 4
CHARLESTOWN, MA

NO	DATE	ISSUE/REVISION	APP
2	4/29/2022	NOI AMEND-FLOAT MOORING	DBR
1	3/24/2022	NOTICE OF INTENT	DBR
0	3/22/2022	NOTICE OF INTENT	DBR
			APP

SHEET NAME
**FLOAT RELOCATIONS
SITE PLAN & SECTION**

SHEET NO.
S-105-A

Consulting
Engineers and
Scientists

May 2, 2022

Boston Conservation Commission
1 City Hall Square
Boston, MA 02201

**Re: Shipyard Park Pier 4 Support Pile Repairs, Eighth Street, Boston, MA
Request to Amend Order of Conditions
(DEP File #006-1861 and BOS File #2022-022)
GEI #2104034**

Dear Members of the Boston Conservation Commission:

On behalf of the Boston Planning and Development Agency and in compliance with the terms of General Special Condition 36 of the Order of Conditions issued by the commission on April 21, 2022 under DEP File No. 006-1861 and BOS File No. 2022-022 (the Order), this is to request the Boston Conservation Commission amend the Order to accommodate the following change to the above-referenced project.

The proposed change consists of the replacement of block and chain anchors with 14-inch diameter, timber mooring piles for the temporary mooring of floats relocated from the north side of Pier 4 during the period of construction of support pile repairs. A total of 23 mooring piles are proposed in the locations depicted in attached Sheet S-105-A. All piles will be installed using vibratory methods following a “soft start procedure”, building up power slowly from a low energy start-up over a period of 20 to 40 minutes, to mitigate potential adverse impacts to fish species. Upon completion of repairs to the Pier 4 piles, the floats will be reinstalled along the north side of Pier 4 and the mooring piles will be removed from the site.

The mooring piles will alter approximately 25 square feet of Land Under the Ocean (LUTO) resource area by temporary displacement. This area is approximately 455 square feet less than the area to be altered by displacement through the use of block and chain anchors – a 95 percent reduction in area of impact. The use of mooring piles for the temporary mooring of floats is consistent with the performance standards at 310 CMR 10.25 (see Attachment A). Further, the proposed replacement of block and chain anchors with mooring piles will have no greater or lesser impact on climate change and resiliency, changes due to sea level rise, or changes in storm intensity or frequency than the project currently authorized in the Order (see Attachment A).

Thank you for your consideration of this request. If you have any questions or require additional information, please call.

May 2, 2022
Page 2 of 2

Respectfully,

GEI Consultants, Inc.



Bradford Saunders
Senior Regulatory Consultant

Cc: MA-DEP, NERO

Attachments: Sheet S-105-A (dated revised to 4/29/22)
Attachment A – Description and Assessment of Amendment

Attachment A – Description and Assessment

Request to Amend Order of Conditions

DEP File #006-1861 and BOS File #2022-022

Proposed Action

As stated in the Notice of Intent filed on March 25, 2022, the Boston Planning and Development Agency (BPDA) proposes to decouple and temporarily relocate the concrete floating dock currently attached along the northeast face of Pier 4 in order to remove the imparted load on the pier and provide access for the Pier 4 pile repairs defined therein. Two alternative designs were presented in the Notice of Intent for mooring the relocated floats: a block and chain anchoring system and a mooring pile system. In issuing the Order of Conditions, the conservation commission approved the then-preferred alternative which was the block and chain anchoring system.

Subsequent to the issuance of the Order of Conditions, the BPDA began the contractor bid process and was advised by every contractor with interest in the project that the use of mooring piles would be a more efficient and cost-effective means of securing the floats during the period of temporary relocation than the use of a block and chain anchoring system. Accordingly, the BPDA is requesting the Boston Conservation Commission amend the Order of Conditions issued under DEP File #006-1861 and BOS File #2022-022 to replace the block and chain anchoring system with mooring piles. The temporary configuration of the floats will be as currently authorized for the block and chain anchoring system, but instead of blocks and chains a total of 23, 14-inch diameter, timber mooring piles will “anchor” the floats (see Figure A). The installation of these piles will result in the temporary loss of approximately 25 square feet of Land Under the Ocean resource area.

It is anticipated that this work will be conducted using equipment staged on a work barge. The proposed means, methods, and sequencing for this work are as follows.

- Install using vibratory methods the 23 timber piles to serve as mooring piles for the temporary relocation of the concrete floats.
- Decouple the concrete floats from the pier structure, relocate them, and attach them to the temporary mooring piles.
- Upon completion of the pile repairs to Pier 4, decouple the concrete floats from the temporary mooring piles and reattach them to the northeast side of the pier.
- Remove the temporary timber mooring piles from the site.

Proposed Mitigation Measure

The temporary mooring piles will be installed using vibratory methods following a “soft start procedure”, building up power slowly from a low energy start-up over a period of 20 to 40 minutes. By adhering to a “soft-start” protocol the potential impacts to fish in the vicinity of the

work can be minimized.

Impacts to Wetland Resource Areas

Land Under the Ocean

Definition and Existing Conditions

Land Under the Ocean (LUTO) consists of land extending from the mean low water line seaward to the boundary of the municipality's jurisdiction and includes land under estuaries. At the project site, LUTO consists of the bed of Boston Harbor in the areas to be used for the temporary relocation of the concrete float.

Impacts of the Proposed Amendment

The amendment will result in direct temporary displacement of a total of 25 square feet of LUTO. This area of displacement is 455 square feet less than the area of displacement that would result from the installation of the block and chain anchors.

Compliance with Performance Standards

Applicable performance standards for activities conducted within this resource area are defined at 310 CMR 10.25(5, 6, and 7). The performance standards at 310 CMR 10.25(3) and (4) are specific to dredging activities and are not applicable to the proposed action.

Performance Standard 5

Performance Standard 5 states that projects which affect nearshore areas of land under the ocean shall not cause adverse effects by altering the bottom topography so as to increase storm damage or erosion of coastal beaches, coastal banks, coastal dunes, or salt marshes.

Compliance with Performance Standard 5

The proposed amendment will result in the temporary displacement of 25 square feet of LUTO. This represents a 95 percent reduction in the area of temporary displacement from that which would result from the use of the currently authorized anchoring system. Further, there are no coastal beaches, coastal banks, coastal dunes, or salt marshes in the vicinity of the project site that could be damaged by the temporary displacement of this resource area. Accordingly, the proposed amendment is in compliance with the terms and conditions of Performance Standard 5.

Performance Standard 6

Performance Standard 6 states that projects which affect land under the ocean shall if water-dependent be designed and constructed, using best available measures, so as to minimize adverse effects.

Compliance with Performance Standard 6

The proposed mooring piles will be installed using best available measures to minimize potential adverse effects. Specifically, the piles will be installed using vibratory methods following a “soft start procedure”, building up power slowly from a low energy start-up over a period of 20 to 40 minutes. By adhering to a “soft-start” protocol the potential impacts to fish in the vicinity of the work can be minimized.

Performance Standard 7

Performance Standard 7 states that, notwithstanding the provisions of 310 CMR 10.25(3) through (6), no project may be permitted which will have any adverse effect on specified habitat sites of rare vertebrate or invertebrate species, as identified by procedures established under 310 CMR 10.37.

Compliance with Performance Standard 7

A review of maps prepared by the Massachusetts Natural Heritage and Endangered Species Program (updated August 1, 2021) has revealed that the project area is not a specified habitat for rare vertebrate or invertebrate species. Accordingly, this performance standard is not applicable to the proposed amendment.

Land Subject to Coastal Storm Flowage

Definition and Existing Conditions

Land Subject to Coastal Storm Flowage (LSCSF) consists of land subject to any inundation caused by coastal storms up to and including that caused by the 100-year storm, surge of record or storm of record, whichever is greater. At the project site the FEMA base flood elevation is defined as being 10', NAVD88 (see attached FEMA FIRMette of Community Panel 25025C0081J). Although the proposed project, being conducted entirely below, within, or over the Boston Harbor watershed, will not require work to be performed on LSCSF, the applicant has been advised that the two-dimensional area of piles extending above the elevation of mean low water is considered by the Boston Conservation Commission to represent a displacement of LSCSF.

Compliance with Performance Standards

There are no specific performance standards specified in the Massachusetts Wetlands Regulations (310 CMR 10.00) concerning work to be conducted within this resource area; nevertheless, it is understood that such work should not result in increased flooding or damage due to inundation by flood waters. The proposed mooring piles will occupy a total area of approximately 25 square feet of space above the elevation of MLW. This level of displacement will have no measurable impact on the LSCSF resource area. Being entirely within or over a tidal watershed, the impact on area of inundation during flooding will be de minimis. The wide spacing of the mooring piles (>25 feet) ensures that they will not constrict flows in a way that will increase the velocity of flood waters or redirect high energy waves onto adjacent shorelines.

Compliance with Massachusetts Stormwater Standards

The proposed amendment does not include activities that generate stormwater runoff. Accordingly, the provisions of 310 CMR 10.05(6)(k) regarding the use of stormwater best practices consistent with the Massachusetts Stormwater Management Standards are not applicable.

Compliance with City of Boston (BPDA) Climate Change Resiliency Standards

The proposed action does not include construction of a structure or implementation of a land use upon the surface of land. Accordingly, the City of Boston's Climate Change Resiliency Standards are not applicable to this work.

Effect of Projected Sea Level Rise, Changes in Storm Intensity and Frequency, and Other Consequences of Climate Change on Resource Areas and the Proposed Activity

The proposed amendment consists solely of the temporary installation of 23 mooring piles. These mooring piles will remain in-place for what is anticipated to be approximately one (1) year, while the existing piles beneath Pier 4 are repaired. As the proposed activity is of such short duration, the anticipated effect of projected sea level rise, changes in storm intensity and frequency, and other consequences on climate change on both the resource areas and activity are de minimis.