



**US Army Corps
of Engineers**®
New England District
**696 Virginia Road
Concord, MA 01742-2751**

PUBLIC NOTICE

Comment Period Begins: September 20, 2011
Comment Period Ends: October 20, 2011
File Number: NAE-2005-3644
In Reply Refer To: Ms. Diane M. Ray
Phone: (978) 318-8831
E-mail: diane.m.ray@usace.army.mil

The District Engineer has received a permit application from the applicant below to conduct work in waters of the United States as described below.

APPLICANT: Bridgeport Landing Development, LLC

ACTIVITY: Modify a shoreline, perform dredging, install a marina, and install a boardwalk for public access and to create a tidal wetland.

A detailed description and plans of the activity are attached.

WATERWAY AND LOCATION OF THE PROPOSED WORK

This work is proposed in Bridgeport Harbor at Steel Point. The proposed location on the USGS Bridgeport quadrangle sheet is at 41.17593 degrees Latitude and -73.18345 degrees Longitude.

AUTHORITY: Permits are required pursuant to Section 10 of the Rivers and Harbors Act of 1899 and Section 404 of the Clean Water Act.

The decision whether to issue a permit will be based on an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which may reasonably accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are: conservation, economics, aesthetics, general environmental concerns, wetlands, cultural value, fish and wildlife values, flood hazards, flood plain value, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production and, in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

CENAE-R
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Where the activity involves the discharge of dredged or fill material into waters of the United States or the transportation of dredged material for the purpose of disposing it in ocean waters, the evaluation of the impact of the activity in the public interest will also include application of the guidelines promulgated by the Administrator, U.S Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act, and/or Section 103 of the Marine Protection Research and Sanctuaries Act of 1972 as amended.

ESSENTIAL FISH HABITAT

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996 (Public Law 104-267), requires all federal agencies to consult with the National Marine Fisheries Service on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH).

The dredging portion of this project will impact approximately 510,900 square feet of Essential Fish Habitat (EFH) for the species and their life stages as shown on the attached table. Habitat at this site can be described as silty sand. Loss of this habitat may adversely affect those species listed on the attached table. However the District Engineer has made a preliminary determination that the site-specific adverse effect will not be substantial. Further consultation with the National Marine Fisheries Service regarding EFH conservation recommendations is being conducted and will be concluded prior to the final decision. The proposed marina will be located within the dredged basin.

SECTION 106 COORDINATION

Based on his initial review, the District Engineer has determined that the proposed work may impact properties listed in, or eligible for listing in, the National Register of Historic Places. Additional review and consultation to fulfil requirements under Section 106 of the National Historic Preservation Act of 1966, as amended, will be ongoing as part of the permit review process.

ENDANGERED SPECIES CONSULTATION

The New England District, Army Corps of Engineers has reviewed the list of species protected under the Endangered Species Act of 1973, as amended, which might occur at the project site. It is our preliminary determination that the proposed activity for which authorization is being sought is designed, situated or will be operated/used in such a manner that it is not likely to adversely affect any Federally listed endangered or threatened species or their designated critical habitat. By this Public Notice, we are requesting that the appropriate Federal Agency concur with our determination.

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

CENAE-R
FILE NO. NAE-2005-3644

The following authorizations have been applied for, or have been, or will be obtained:

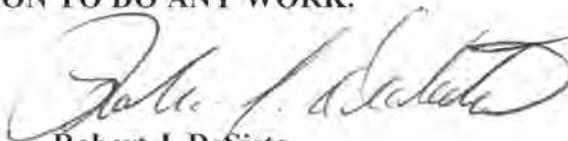
- (X) Permit, License or Assent from State.
- (X) Water Quality Certification in accordance with Section 401 of the Clean Water Act.

In order to properly evaluate the proposal, we are seeking public comment. Anyone wishing to comment is encouraged to do so. **Comments should be submitted in writing by the above date.** If you have any questions, please contact Ms. Diane M. Ray at (978) 318-8831, (800) 343-4789 or (800) 362-4367, if calling from within Massachusetts.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for a public hearing shall specifically state the reasons for holding a public hearing. The Corps holds public hearings for the purpose of obtaining public comments when that is the best means for understanding a wide variety of concerns from a diverse segment of the public.

The initial determinations made herein will be reviewed in light of facts submitted in response to this notice. All comments will be considered a matter of public record. Copies of letters of objection will be forwarded to the applicant who will normally be requested to contact objectors directly in an effort to reach an understanding.

THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.



Robert J. DeSista
Chief, Permits and Enforcement Branch
Regulatory Division

If you would prefer not to continue receiving Public Notices, please contact Ms. Tina Chaisson at (978) 318-8058 or e-mail her at bettina.m.chaisson@usace.army.mil. You may also check here () and return this portion of the Public Notice to: Bettina Chaisson, Regulatory Division, U.S. Army Corps of Engineers, 696 Virginia Road, Concord, MA 01742-2751.

NAME: _____
ADDRESS: _____

PROPOSED WORK AND PURPOSE:

The applicant proposes to perform the following work:

1. Remove a concrete in-take structure, two boat ramps, fixed piers, floats and pilings, excluding the Tallmadge Pier.
2. Shoreline Section B – Install approximately 470 linear feet of sheet pile bulkhead with a concrete cap with a tie-back system comprised of a support system installed landward of the sheeting and backfill. Also, install and maintain an approximately 33' wide x 470' long public access boardwalk, of which 125' will be a fishing pier.
3. Shoreline Section C – Raise the height of the existing 635 linear foot bulkhead to vary in elevation 11' NGVD to 19' NGVD by adding a cap.
4. Shoreline Section D – Install approximately 1,560 linear feet of sheet pile bulkhead with a concrete cap and backfilling on the landward side.
5. Shoreline Section E – Perform tidal wetland creation by removing approximately 3,360 cubic yards of material, grading; planting and plugging as shown on Figure 7 of the attached plans.
6. Dredge areas:
 - a. Perform maintenance on the existing Tallmadge Pier and modify the pier by raising the deck to elevation 9' NGVD.
 - b. Basin A - Dredge within an approximately 233,850 square foot area to -14.0' mean low water with approximately 42,000 cubic yards of material being removed mechanically.
 - c. Basin B - Dredge within an approximately 190,800 square foot area to -10.0' mean low water with approximately 26,100 cubic yards of material being removed mechanically.
 - d. Basin C – Dredge within an approximately 86,190 square foot area to -8.5' mean low water with approximately 18,950 cubic yards of material being removed mechanically.

A total of approximately 87,000 cubic yards of dredged material will be disposed of upland, on site.

7. Marina – An approximately 200-slip marina is proposed consisting of the following structures:

Dock A – Approximately 15' x 680' of floats.

Dock B – Approximately 15' x 270' of floats, a 35' x 45' ramp landing float, and an 8' x 80' ramp.

Dock C – Approximately 15' x 467' of floats, seven 6' x 60' finger floats, a 27' x 60' float, a 25' x 85' ramp landing float, and an 8' x 60' ramp.

Connector C-D – An 8' x 90' ramp, a 30' x 52' ramp landing float, and 15' x 270' of floats.

Dock D – Approximately 15' x 670' of floats, nine 6' x 60' finger floats, and a 27' x 60' float.

Dock DD – An approximately 15' x 53' connector float, 12' x 252' of floats, five 6' x 40' floats, and a 12' x 40' float.

Connector DD-E – Approximately 15' x 205' of floats, a 20' x 30' ramp landing float, and an 8' x 80' ramp.

Dock E – Approximately 15' x 1370' of floats, 15' x 290' of floats, 15' x 206' of floats, 15' x 175' of floats, 15' x 142' of floats, six 6' x 40' floats and two 50' x 50' floats.

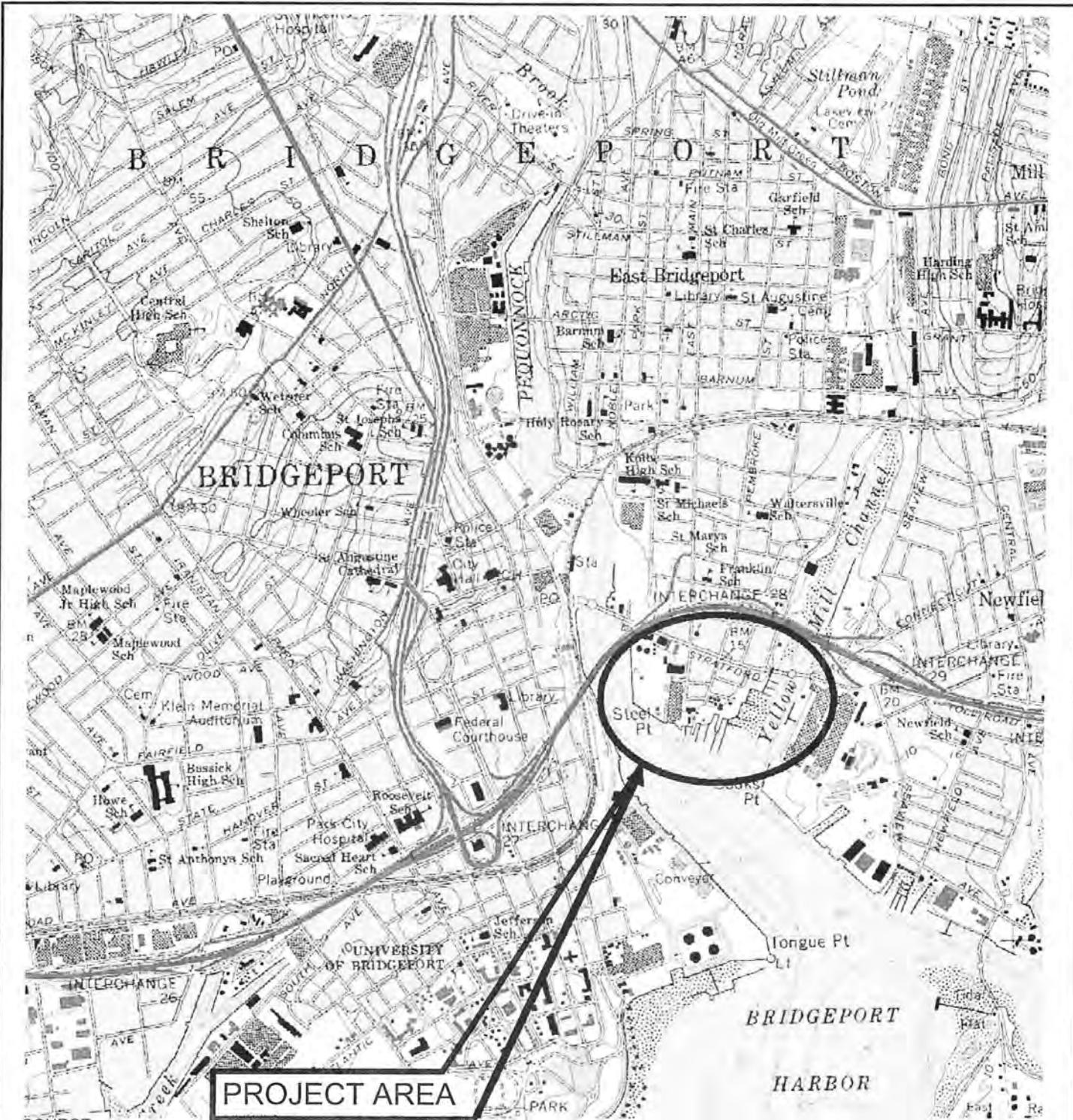
Dock F – Approximately 15' x 420' of floats, eight 6' x 40' floats, and two 12' x 40' floats.

Dock G – An approximately 10' x 180' fixed pier and ten 6' x 25' lift slips; and

Dock H – A fixed access pier, an approximately 10' x 435' fixed pier and twelve 6' x 25' lift slips.

The applicant is also proposing to establish a reconfiguration perimeter boundary

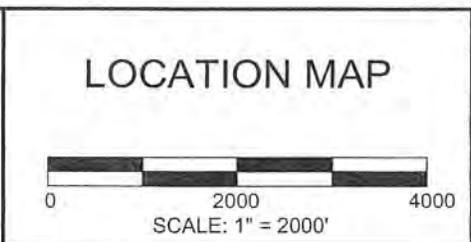
The work is described on the enclosed plans entitled, "Steelpoint Harbor Development, In: Bridgeport Harbor, At: Bridgeport, CT, County of: Fairfield, State: CT" in thirteen sheets. dated, "March 2011", with revisions dated, "February 4, 2010" and "June 29, 2011"



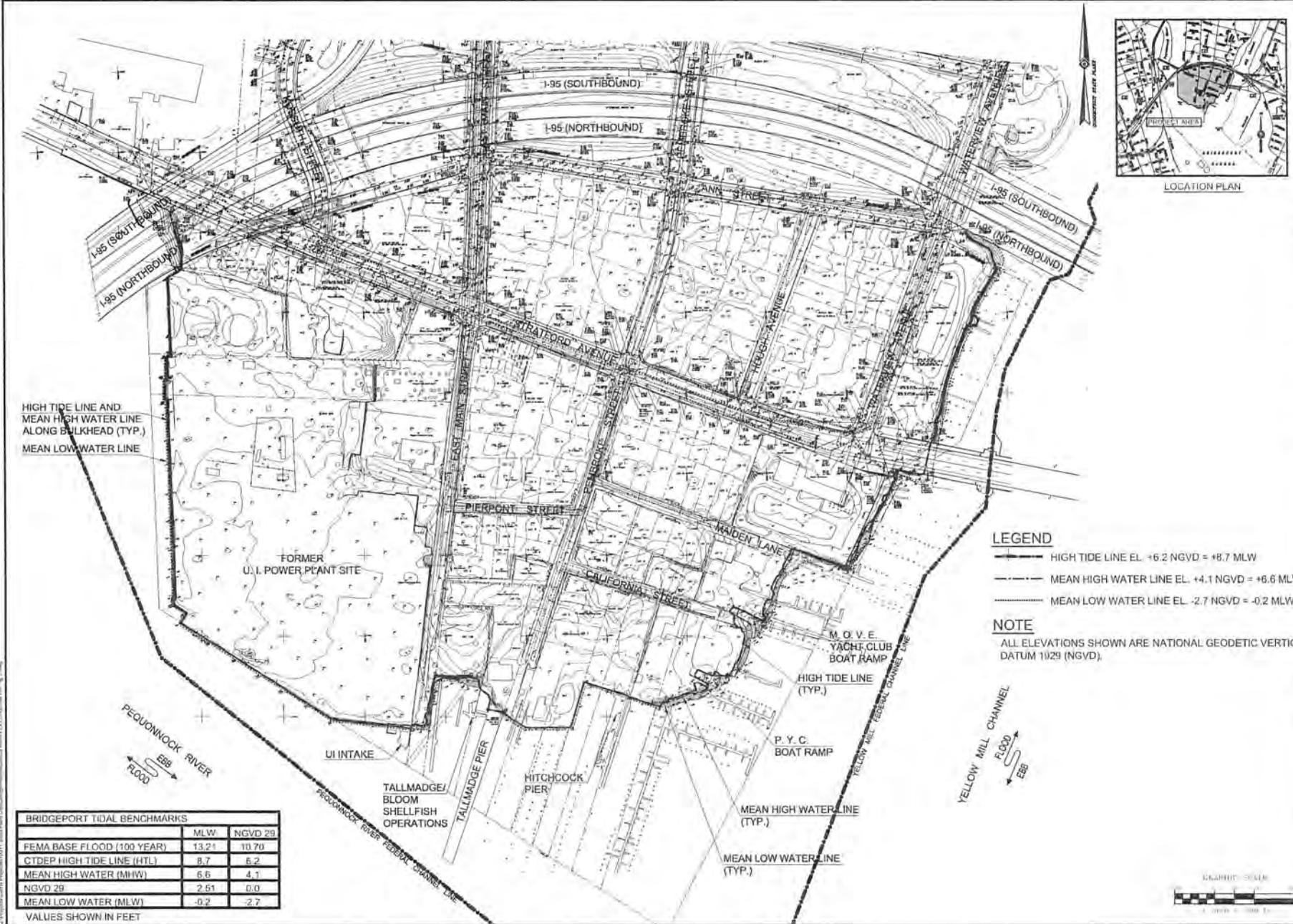
SOURCE:
USGS QUADRANGLE MAP
BRIDGEPORT, CT
7.5 MINUTES SERIES

PROJECT LOCATION:
41°10'31.43" N
73°10'50.99" W

DATUM: NGVD 29
ADJACENT OWNERS:
CONNDOT
AGENT:
Luchs
89 COLONY STREET
MERIDEN, CT 06451



STEELPOINTE HARBOR DEVELOPMENT
IN: BRIDGEPORT HARBOR
AT: BRIDGEPORT, CT
COUNTY OF: FAIRFIELD STATE: CT
APPLICATION BY: BRIDGEPORT LANDING
DEVELOPMENT, LLC
10 MIDDLE STREET
BRIDGEPORT, CT 06604



LOCATION PLAN

HIGH TIDE LINE AND
MEAN HIGH WATER LINE
ALONG BULKHEAD (TYP.)
MEAN LOW WATER LINE

FORMER
U. I. POWER PLANT SITE

UI INTAKE

TALLMADGE/
BLOOM
SHELLFISH
OPERATIONS

TALLMADGE PIER

HITCHCOCK
PIER

MEAN HIGH WATER LINE
(TYP.)

MEAN LOW WATER LINE
(TYP.)

MOVE
YACHT CLUB
BOAT RAMP

HIGH TIDE LINE
(TYP.)

P. Y. C.
BOAT RAMP

LEGEND

- HIGH TIDE LINE EL. +6.2 NGVD = +8.7 MLW
- - - MEAN HIGH WATER LINE EL. +4.1 NGVD = +6.6 MLW
- MEAN LOW WATER LINE EL. -2.7 NGVD = -0.2 MLW

NOTE

ALL ELEVATIONS SHOWN ARE NATIONAL GEODETIC VERTICAL DATUM 1129 (NGVD).

BRIDGEPORT TIDAL BENCHMARKS		
	MLW	NGVD 29
FEMA BASE FLOOD (100 YEAR)	13.2'	10.70
CTDEP HIGH TIDE LINE (HTL)	8.7	6.2
MEAN HIGH WATER (MHW)	6.6	4.1
NGVD 29	2.51	0.0
MEAN LOW WATER (MLW)	-0.2	-2.7

VALUES SHOWN IN FEET



	SHEET NO. _____
	DATE _____
	DRAWN BY _____
	CHECKED BY _____
	DATE: MARCH 2011
Luchs	
CITY OF BRIDGEPORT	
EXISTING CONDITIONS PLAN	
PROJECT TITLE: STEELPOINTE HARBOR DEVELOPMENT	
PERMIT SUBMISSION	
PROJECT NO. _____	
DRAWING NO. _____	
SHEET NO. _____	

FIGURE 1

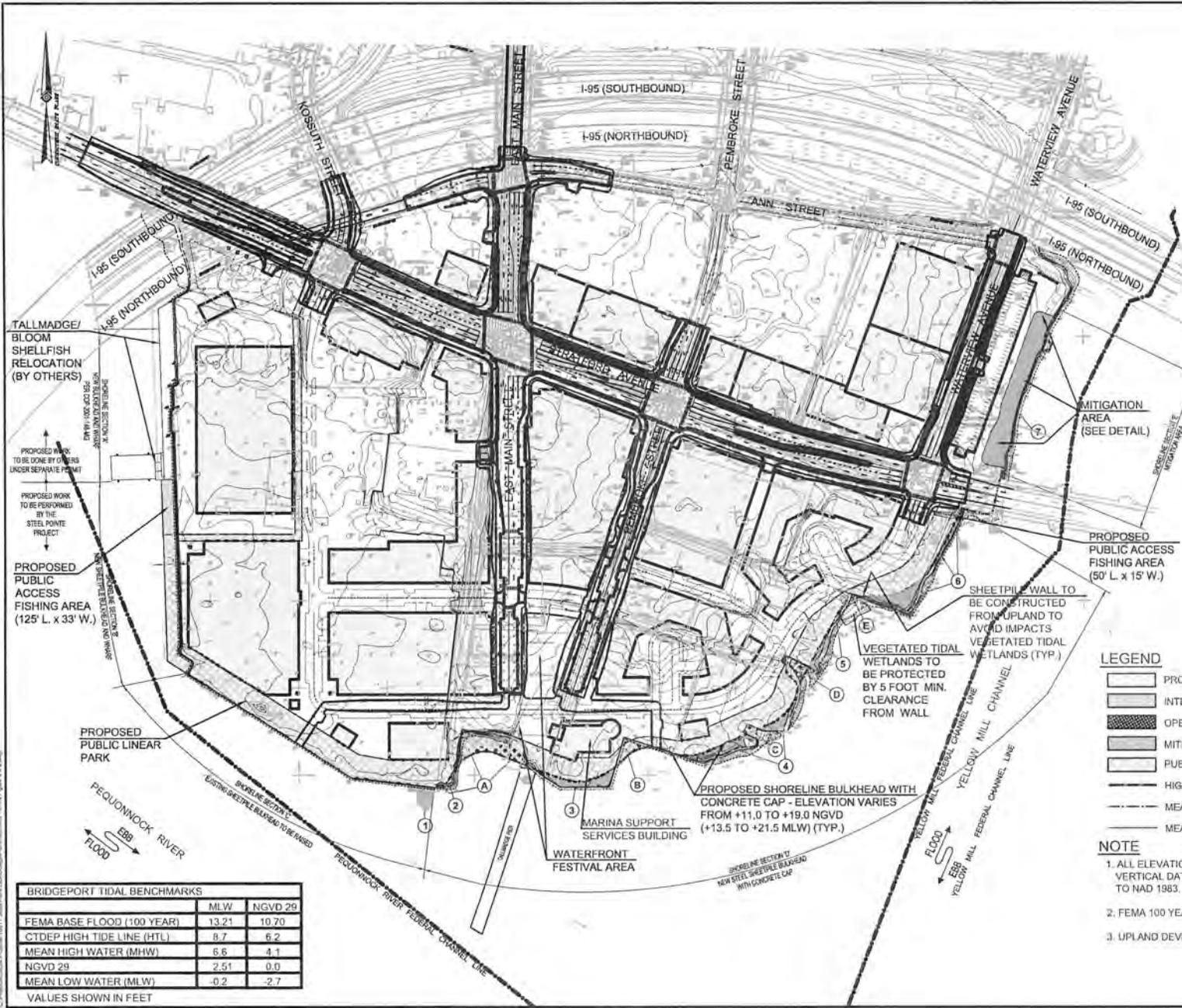
JOHN P. LYNCH

PLANNED DEVELOPMENT DISTRICT (PDD) MAP
 BRIDGEPORT LIVING DEVELOPMENT, LLC
 5000 W. WINDY HOLLOW
 TAMPA, FLORIDA 33611
 STATE OF FLORIDA
 COUNTY OF HILLSBOROUGH

CONTROL POINT ASSOCIATES, INC.
 11000 W. WINDY HOLLOW
 TAMPA, FLORIDA 33611
 TEL: 813.973.1100
 FAX: 813.973.1101
 WWW.CONTROLPOINTASSOCIATES.COM



BLK/LOT	OWNER
BLK 810 LOT 1	...
BLK 810 LOT 2	...
BLK 810 LOT 3	...
BLK 810 LOT 4	...
BLK 810 LOT 5	...
BLK 810 LOT 6	...
BLK 810 LOT 7	...
BLK 810 LOT 8	...
BLK 810 LOT 9	...
BLK 810 LOT 10	...
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BLK 810 LOT 95	...
BLK 810 LOT 96	...
BLK 810 LOT 97	...
BLK 810 LOT 98	...
BLK 810 LOT 99	...
BLK 810 LOT 100	...



SHORELINE WETLAND IMPACT				
IMPACTED WETLANDS (SQUARE FEET)				
LOCATION	OPEN WATER AREA	INTERTIDAL MUDFLATS AREA	TIDAL WETLANDS AREA	TOTAL AREA
A	3107	3824	0	6931
B	578	1900	0	2478
C	365	0	0	365
D	2108	0	0	2108
E	811	0	0	811
TOTALS	8029	4884	0	11713

WETLAND MITIGATION		
LOCATION	TYPE	AREA
1	OPEN WATER	2138
2	OPEN WATER	168
3	OPEN WATER	3181
4	OPEN WATER	4520
5	OPEN WATER	1354
6	OPEN WATER	3943
7	INTERTIDAL MUDFLATS	15366
TOTAL		32670

MITIGATION PLAN TABLE				
RESOURCE IMPACTED	AREA IMPACTED	MITIGATION MULTIPLIER	MITIGATION REQUIRED	MITIGATION PROVIDED
OPEN WATER	8,029	1.0	8,029	15,304
INTERTIDAL MUDFLATS	4,884	3.0	14,652	15,366

TALLMADGE/BLOOM SHELLFISH RELOCATION (BY OTHERS)

PROPOSED WORK TO BE DONE BY OTHERS UNDER SEPARATE PERMIT

PROPOSED WORK TO BE PERFORMED BY THE STEEL POINTE PROJECT

PROPOSED PUBLIC ACCESS FISHING AREA (125' L. x 33' W.)

SHOW ON OTHER SHEETS

PROPOSED PUBLIC LINEAR PARK

REQUINNOCK RIVER

FLOOD

BRIDGEPORT TIDAL BENCHMARKS		
	MLW	NGVD 29
FEMA BASE FLOOD (100 YEAR)	13.2'	10.70
CTDEP HIGH TIDE LINE (HTL)	8.7	6.2
MEAN HIGH WATER (MHW)	6.6	4.1
NGVD 29	2.51	0.0
MEAN LOW WATER (MLW)	-0.2	-2.7

VALUES SHOWN IN FEET

- LEGEND**
- PROPOSED BUILDINGS
 - INTERTIDAL MUDFLATS IMPACTED
 - OPEN WATER IMPACTED
 - MITIGATION
 - PUBLIC LINEAR PARK ACCESS AREA
 - HIGH TIDE LINE EL. +6.2 NGVD = +6.7 MLW
 - MEAN HIGH WATER LINE EL. +4.1 NGVD = +6.6 MLW
 - MEAN LOW WATER LINE EL. -2.7 NGVD = -0.2 MLW
- NOTE**
- ALL ELEVATIONS SHOWN ARE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD). HORIZONTAL DATUM TO NAD 1983.
 - FEMA 100 YEAR FLOOD ELEVATION +10.7 NGVD (+13.2 MLW).
 - UPLAND DEVELOPMENT SHOWN AS SCHEMATIC ONLY.



DATE: MARCH 09/11

PROJECT TITLE: STEELPOINTE HARBOR DEVELOPMENT

PROJECT NO.:

DRAWING NO.:

SHEET NO. FIGURE 3

CITY OF BRIDGEPORT

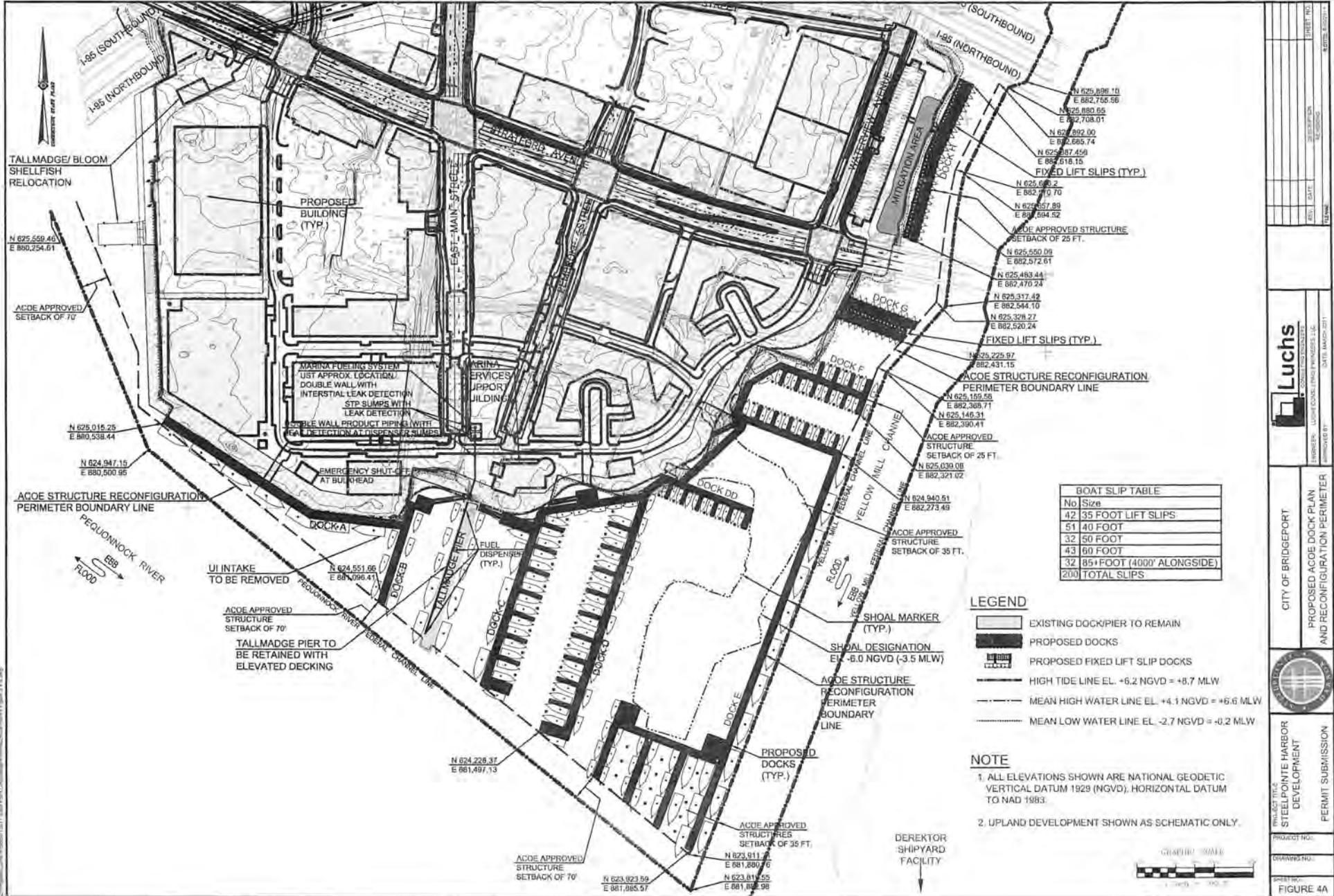
PROPOSED CONDITIONS UPLAND AND SHORELINE PLAN

Luchs CONSULTING ENGINEERS, L.L.C.

ENGINEER: LUCAS CORRELL AND UNIVERSITY, L.L.C.

ARCHITECT: LUCHS CONSULTING ENGINEERS, L.L.C.

SCALE: AS SHOWN



BOAT SLIP TABLE	
No	Size
42	35 FOOT LIPT SLIPS
51	40 FOOT
32	50 FOOT
43	60 FOOT
32	85+ FOOT (4000' ALONGSIDE)
200	TOTAL SLIPS

LEGEND

- EXISTING DOCK/PIER TO REMAIN
- PROPOSED DOCKS
- PROPOSED FIXED LIFT SLIP DOCKS
- HIGH TIDE LINE EL. +6.2 NGVD = +8.7 MLW
- MEAN HIGH WATER LINE EL. +4.1 NGVD = +6.6 MLW
- MEAN LOW WATER LINE EL. -2.7 NGVD = +0.2 MLW

NOTE

1. ALL ELEVATIONS SHOWN ARE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD), HORIZONTAL DATUM TO NAD 1983.
2. UPLAND DEVELOPMENT SHOWN AS SCHEMATIC ONLY.

PROJECT NO. 2023-001

DATE: MARCH 2023

PROJECT NAME: STEELPOINTE HARBOR DEVELOPMENT

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DATE: MARCH 2023

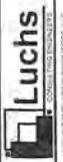
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PROJECT NO. 2023-001

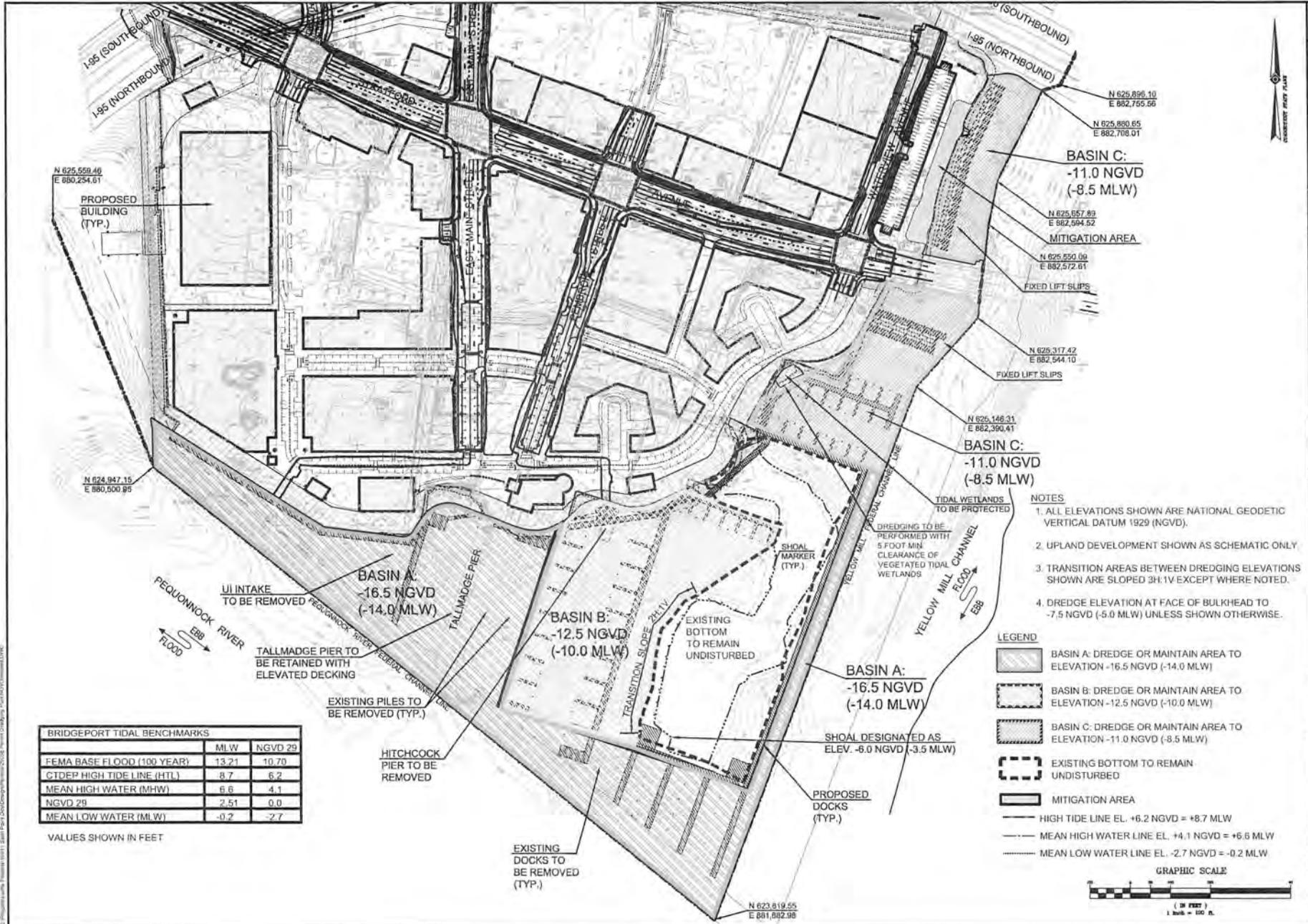


CITY OF BRIDGEPORT
 PROPOSED ACQE DOCK PLAN
 AND RECONFIGURATION PERIMETER



PROJECT NO. 2023-001
 DATE: MARCH 2023
 PROJECT NAME: STEELPOINTE HARBOR DEVELOPMENT
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 PROJECT NO. 2023-001



BRIDGEPORT TIDAL BENCHMARKS

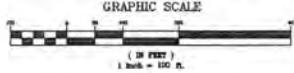
	MLW	NGVD 29
FEMA BASE FLOOD (100 YEAR)	13.21	10.70
CTDEP HIGH TIDE LINE (HTL)	8.7	6.2
MEAN HIGH WATER (MHW)	6.6	4.1
NGVD 29	2.51	0.0
MEAN LOW WATER (MLW)	-0.2	-2.7

VALUES SHOWN IN FEET

- NOTES**
1. ALL ELEVATIONS SHOWN ARE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD).
 2. UPLAND DEVELOPMENT SHOWN AS SCHEMATIC ONLY.
 3. TRANSITION AREAS BETWEEN DREDGING ELEVATIONS SHOWN ARE SLOPED 3H:1V EXCEPT WHERE NOTED.
 4. DREDGE ELEVATION AT FACE OF BULKHEAD TO -7.5 NGVD (-5.0 MLW) UNLESS SHOWN OTHERWISE.

- LEGEND**
- [Hatched Box] BASIN A: DREDGE OR MAINTAIN AREA TO ELEVATION -16.5 NGVD (-14.0 MLW)
 - [Dashed Box] BASIN B: DREDGE OR MAINTAIN AREA TO ELEVATION -12.5 NGVD (-10.0 MLW)
 - [Stippled Box] BASIN C: DREDGE OR MAINTAIN AREA TO ELEVATION -11.0 NGVD (-8.5 MLW)
 - [Dashed Line] EXISTING BOTTOM TO REMAIN UNDISTURBED
 - [Solid Line] MITIGATION AREA

- [Solid Line] HIGH TIDE LINE EL. +6.2 NGVD = +8.7 MLW
- [Dashed Line] MEAN HIGH WATER LINE EL. +4.1 NGVD = +6.6 MLW
- [Dotted Line] MEAN LOW WATER LINE EL. -2.7 NGVD = -0.2 MLW

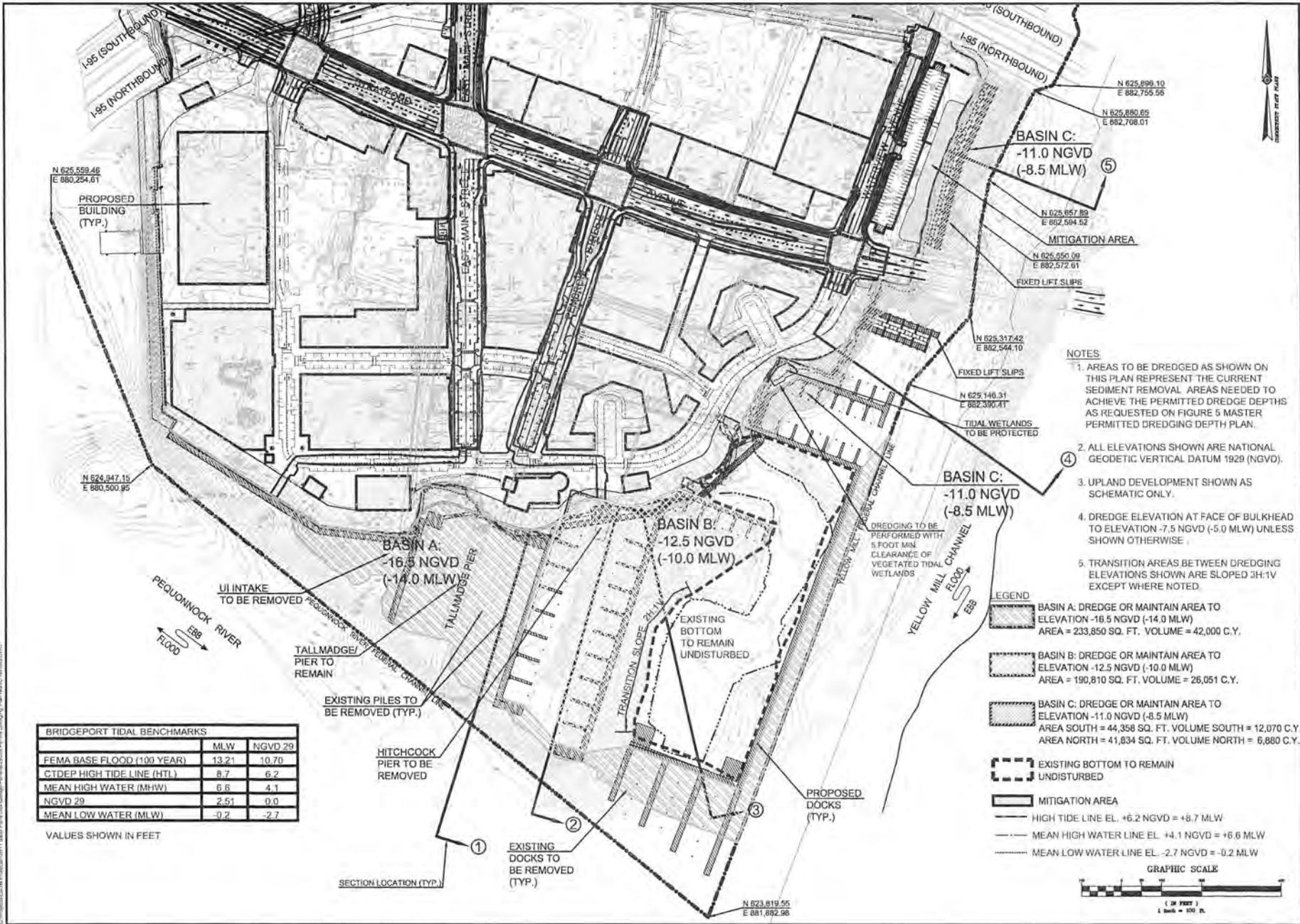


CONSULTANT'S SEAL

Luchs
CONSULTING ENGINEERS, L.L.C.
ENGINEER: LUCAS CORRAL, P.E. DATE: MARCH 2011

CITY OF BRIDGEPORT
STEEL POINTE HARBOR DEVELOPMENT
PERMIT SUBMISSION

PROJECT NO.:
DRAWING NO.:
SHEET NO.: **FIGURE 5**



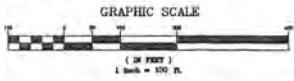
BRIDGEPORT TIDAL BENCHMARKS		
	MLW	NGVD 29
FEMA BASE FLOOD (100 YEAR)	13.21	10.70
CTDEP HIGH TIDE LINE (HTL)	8.7	6.2
MEAN HIGH WATER (MHW)	6.6	4.1
NGVD 29	2.51	0.0
MEAN LOW WATER (MLW)	-0.2	-2.7

VALUES SHOWN IN FEET

- NOTES**
1. AREAS TO BE DREDGED AS SHOWN ON THIS PLAN REPRESENT THE CURRENT SEDIMENT REMOVAL AREAS NEEDED TO ACHIEVE THE PERMITTED DREDGE DEPTHS AS REQUESTED ON FIGURE 5 MASTER PERMITTED DREDGING DEPTH PLAN.
 2. ALL ELEVATIONS SHOWN ARE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD).
 3. UPLAND DEVELOPMENT SHOWN AS SCHEMATIC ONLY.
 4. DREDGE ELEVATION AT FACE OF BULKHEAD TO ELEVATION -7.5 NGVD (-5.0 MLW) UNLESS SHOWN OTHERWISE.
 5. TRANSITION AREAS BETWEEN DREDGING ELEVATIONS SHOWN ARE SLOPED 3H:1V EXCEPT WHERE NOTED.

- LEGEND**
- BASIN A: DREDGE OR MAINTAIN AREA TO ELEVATION -16.5 NGVD (-14.0 MLW) AREA = 233,850 SQ. FT. VOLUME = 42,000 C.Y.
 - BASIN B: DREDGE OR MAINTAIN AREA TO ELEVATION -12.5 NGVD (-10.0 MLW) AREA = 190,810 SQ. FT. VOLUME = 26,051 C.Y.
 - BASIN C: DREDGE OR MAINTAIN AREA TO ELEVATION -11.0 NGVD (-8.5 MLW) AREA SOUTH = 44,358 SQ. FT. VOLUME SOUTH = 12,070 C.Y. AREA NORTH = 41,834 SQ. FT. VOLUME NORTH = 6,880 C.Y.
 - EXISTING BOTTOM TO REMAIN UNDISTURBED
 - MITIGATION AREA

- HIGH TIDE LINE EL. +6.2 NGVD = +8.7 MLW
- MEAN HIGH WATER LINE EL. +4.1 NGVD = +6.6 MLW
- MEAN LOW WATER LINE EL. -2.7 NGVD = -0.2 MLW



DATE: MARCH 2011

Lucas
CONSULTING ENGINEERS

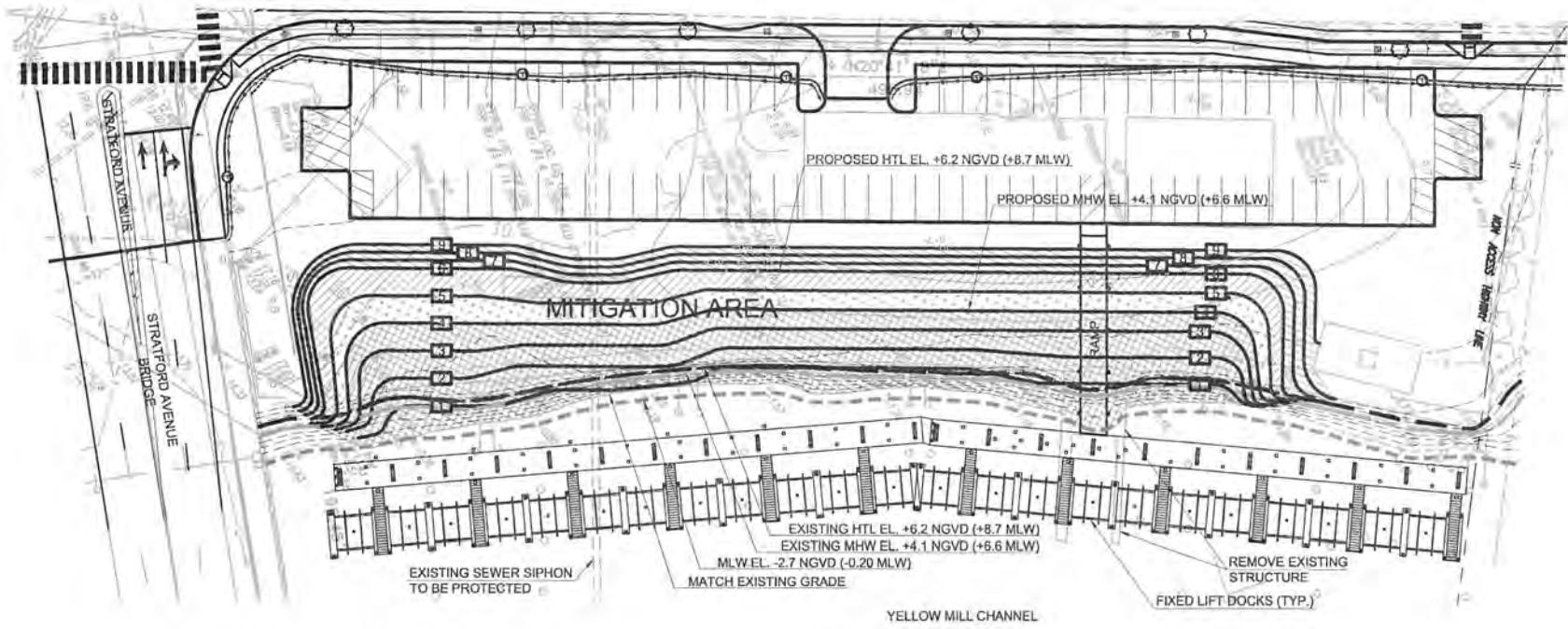
CITY OF BRIDGEPORT
PROPOSED DREDGING AREAS

PROJECT TITLE
STEELPOINTE HARBOR DEVELOPMENT

PERMIT SUBMISSION

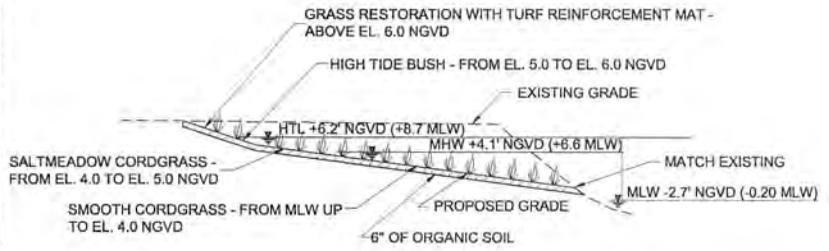
DRAWING NO.
FIGURE 6

City of Bridgeport, Project #0111 Steel Pointe Harbor Development Wetland Mitigation Area Figure 1 Mitigation Plan



PLAN

- LEGEND**
- GRASS RESTORATION WITH TURF REINFORCEMENT MAT - ABOVE EL. +6.0 NGVD (+8.5 MLW)
 - HIGH TIDE BUSH (IVA FRUTESCENS) (3,667 sq.ft.) - FROM EL. +5.0 NGVD (+7.5 MLW) TO EL. +6.0 NGVD (+8.5 MLW)
 - SALTMEADOW CORDGRASS (SPARTINA PATENS) (3,293 sq.ft.) - FROM EL. +4.0 NGVD (+6.5 MLW) TO EL. +5.0 NGVD (+7.5 MLW)
 - SMOOTH CORDGRASS (SPARTINA ALTERNIFLORA) (11,748 sq.ft.) - FROM MLW UP TO EL. +4.0 NGVD (+6.5 MLW)
 - MITIGATION AREA BETWEEN EXISTING H.T.L. AND PROPOSED H.T.L. (15,366 sq.ft.)
 - PROPOSED CONTOUR GRADE
 - EXISTING CONTOUR GRADE
- NOTE**
1. ALL ELEVATIONS SHOWN ARE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD).
 2. STOCKPILE AND RE-USE TOP 12" OF EXISTING SUITABLE ORGANIC SOILS FROM INTERTIDAL RANGE (ELEV. 6 TO ELEV. -2) TO COVER PROPOSED SLOPES TO A DEPTH OF 6".

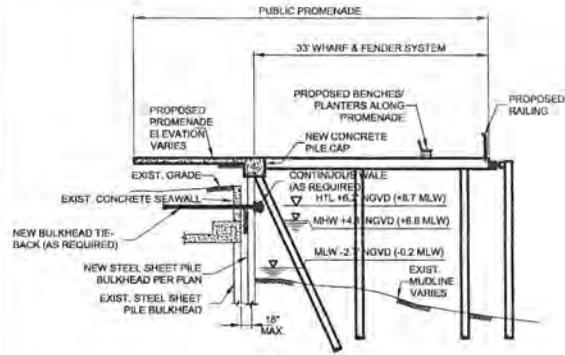


SCHEMATIC MITIGATION AREA CROSS-SECTION

NOT TO SCALE

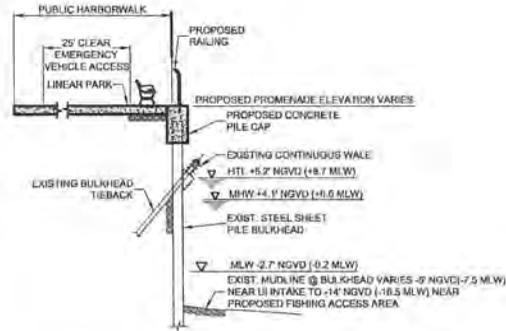


<p>Luchs CONSULTING ENGINEERS, LLC</p>	<p>CITY OF BRIDGEPORT WETLAND MITIGATION PLAN</p>		<p>PROJECT TITLE STEELPOINTE HARBOR DEVELOPMENT</p>	<p>PERMIT SUBMISSION</p>
ENGINEER: LUCAS DOUGLAS FOWLER, P.E. APPROVED BY: DATE: 10/20/2011	PROJECT NO.: DRAWING NO.: SHEET NO.:	SHEET NO.: SHEET TOTAL:	DATE: 10/20/2011	PERMITTED: 10/20/2011



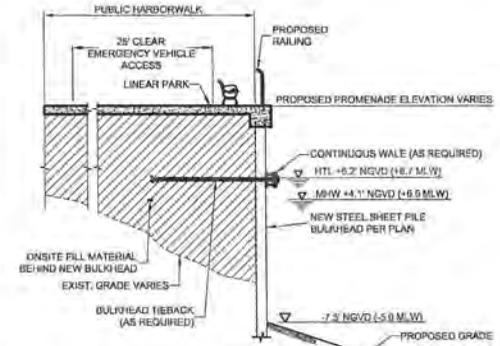
NOTE
WHARF SECTION AS PREVIOUSLY AUTHORIZED BY
CTDEP-CDP-2001-148-MG (EXCEPT FOR ELEVATION)

PROPOSED SHORELINE AT SECTION 'B'

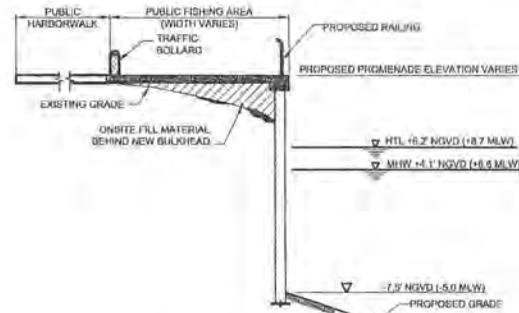


PROPOSED SHORELINE AT SECTION 'C'

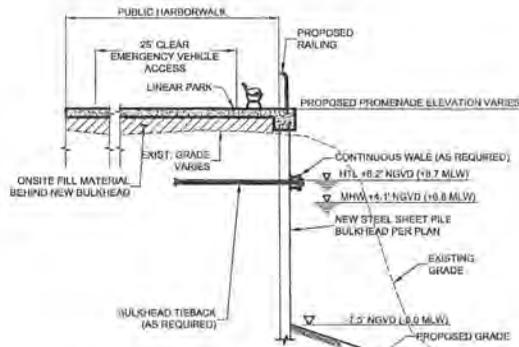
NOTE
DIFFERENT METHODS OF BULKHEAD TIEBACKS MAY BE USED AS DETERMINED
BY ENGINEER - BUT WILL NOT ENCRUGH WATERWARD.



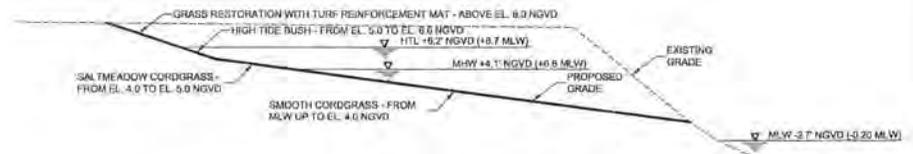
PROPOSED SHORELINE AT SECTION 'D' (TYPICAL FILL)



PUBLIC ACCESS FISHING AREA



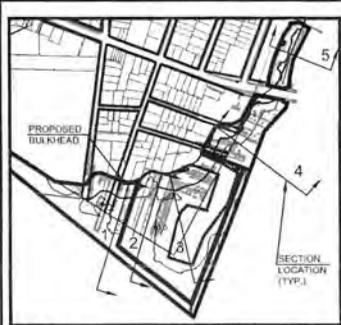
PROPOSED SHORELINE AT SECTION 'D' (TYPICAL CUT)



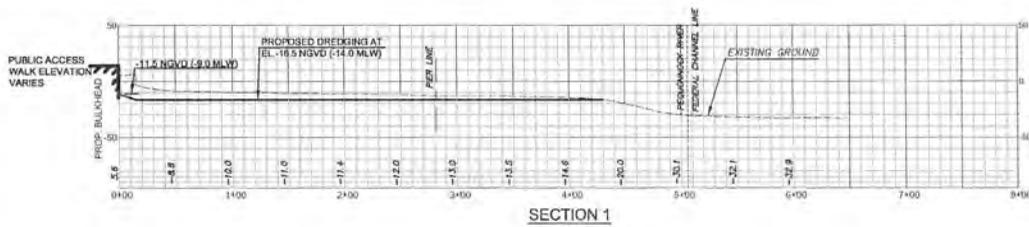
PROPOSED SHORELINE AT SECTION 'E' - MITIGATION AREA

C:\Users\lucy\Documents\2011 Steel Pier Revamp\Project\2011 Steel Pier Revamp\Drawings\Section A.dwg

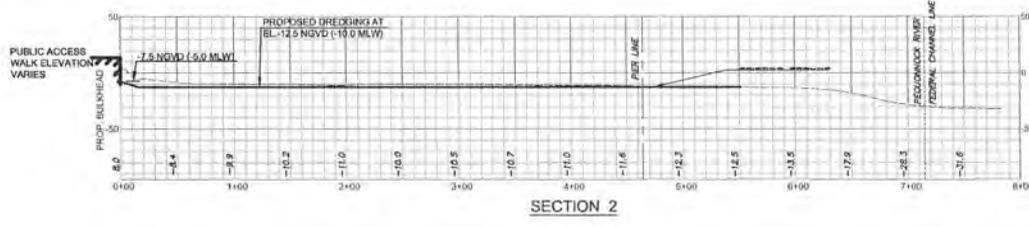
PROJECT NO.	2011-001
SHEET NO.	8
DATE	03/20/11
DESIGNER	LUCHS CONSULTING ENGINEERS, LLC
APPROVED BY:	[Signature]
DATE	MARCH 2011
CITY OF BRIDGEPORT	SHORELINE SECTIONS
PROJECT TITLE	STEELPIER HARBOR DEVELOPMENT
PERMIT SUBMISSION	
FIGURE 8	



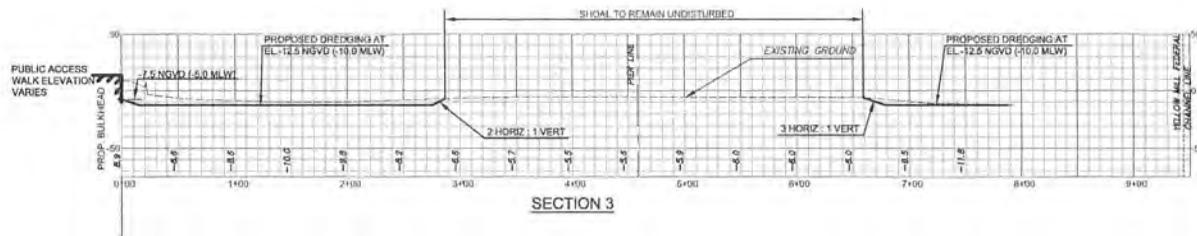
KEY MAP



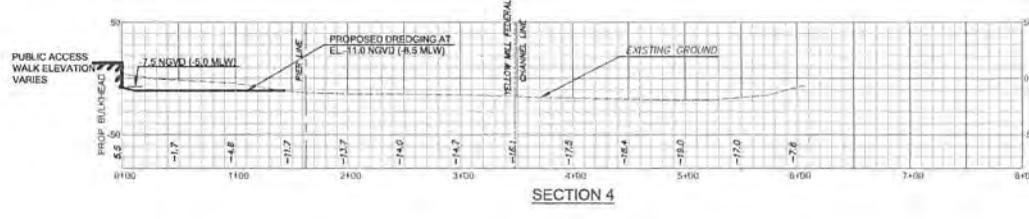
SECTION 1



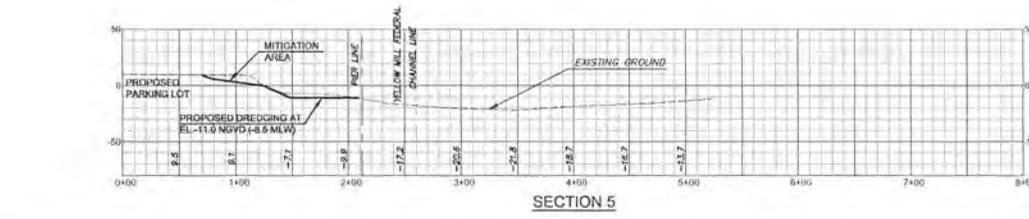
SECTION 2



SECTION 3



SECTION 4

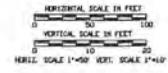


SECTION 5

- NOTES:
1. ALL ELEVATIONS SHOWN ARE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD).
 2. TYPICAL SECTIONS SHOWING LIMITS OF DREDGING.
 3. REFER TO FIGURE 8 FOR EXTENT OF DREDGING.

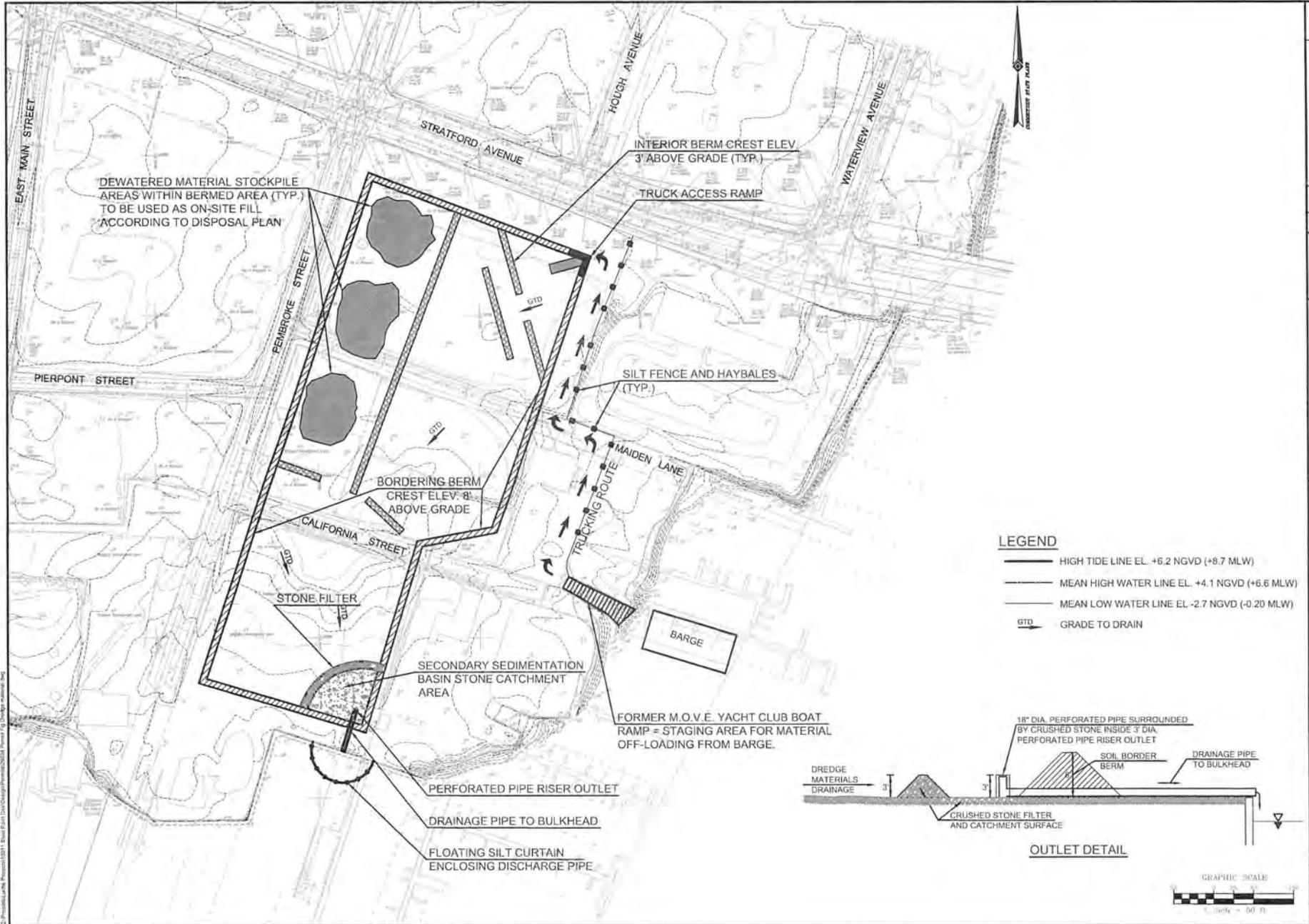
LEGEND

- 8.5 EXISTING GRADE (NGVD)
- (10.1) PROPOSED GRADE (NGVD)
- - - - - EXISTING GRADE
- DREDGING BY BLD
- DREDGING BY ACCE
- 3 HORIZ: 1 VERT CUT SLOPE (HORIZONTAL - VERTICAL)



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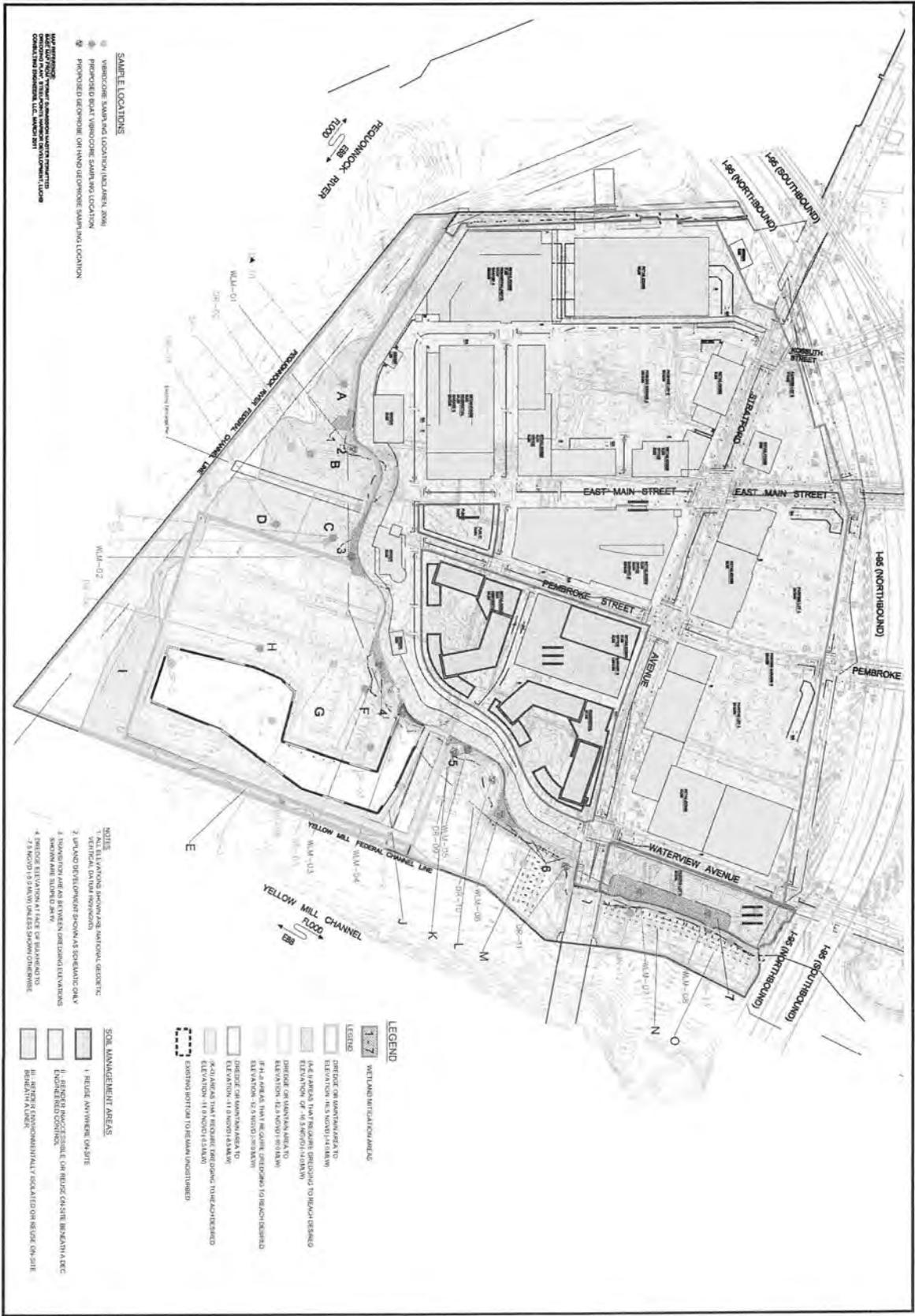
 Luchs <small>CONSULTING ENGINEERS, LLC</small>	CITY OF BRIDGEPORT DREDGING CROSS SECTIONS		STEELPOINT HARBOR DEVELOPMENT PERMIT SUBMISSION	FIGURE 9
PROJECT NO. 10111 SHEET NO. CS-5.11-ND-02	DATE: 10/15/18 DRAWN BY: J. WILSON	TITLE: DREDGING CROSS SECTIONS	PROJECT LOCATION: STEELPOINT HARBOR	SHEET NO. 8 OF 12



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 <p>Luchs ENGINEERING</p>	<p>PROJECT NO. _____</p> <p>DRAWING NO. _____</p> <p>SHEET NO. _____</p>
<p>CITY OF BRIDGEPORT DREDGED MATERIAL DEWATERING PLAN</p>	<p>PROJECT TITLE STEELE POINT HARBOR DEVELOPMENT</p>
	<p>PERMIT SUBMISSION</p>
<p>DESIGNED BY: _____</p> <p>CHECKED BY: _____</p> <p>DATE: 10/20/11</p>	<p>PROJECT NO. _____</p> <p>DRAWING NO. _____</p> <p>SHEET NO. _____</p>

FIGURE 10



SAMPLE LOCATIONS

- VISIONZONE EXAM AND LOCATION (NO. AND AREA, 2006)
- PROPOSED EXAM VISIONZONE EXAM AND LOCATION
- PROPOSED DEVELOPMENT EXAM AND DEVELOPMENT EXAM AND LOCATION

NOTES

1. ALL ELEVATIONS SHOWN ARE NATIONAL GEODETIC VERTICAL DATUM ELEVATIONS.
2. BUILDING DEVELOPMENT SHOWN AS SOLID GRAY.
3. ELEVATIONS ARE IN FEET UNLESS OTHERWISE SHOWN OR INDICATED.
4. ELEVATION AT FACE OF SOLEWALL TO 7.5 FEET (1.5 M) SHALL BE SHOWN.

SOIL MANAGEMENT AREAS

- 1. REUSE ANYWHERE ON SITE
- 2. REUSE IN DEVELOPMENT
- 3. REUSE IN DEVELOPMENT ON REUSE ON SITE BROUGHT A DEC
- 4. REUSE IN DEVELOPMENT ON REUSE ON SITE BROUGHT A DEC
- 5. REUSE IN DEVELOPMENT ON REUSE ON SITE BROUGHT A DEC

LEGEND

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

FIGURE 2

SITE PLAN AND SAMPLING LOCATIONS

STEELPOINT HARBOR DEVELOPMENT

BRIDGEPORT CONNECTICUT

FUSS & O'NEILL
Disciplines to Deliver

148 HARTFORD ROAD
MANCHESTER, CONNECTICUT 06040
860.646.3469
www.fuss-on.com

SCALE

HORIZ: 1" = 200'

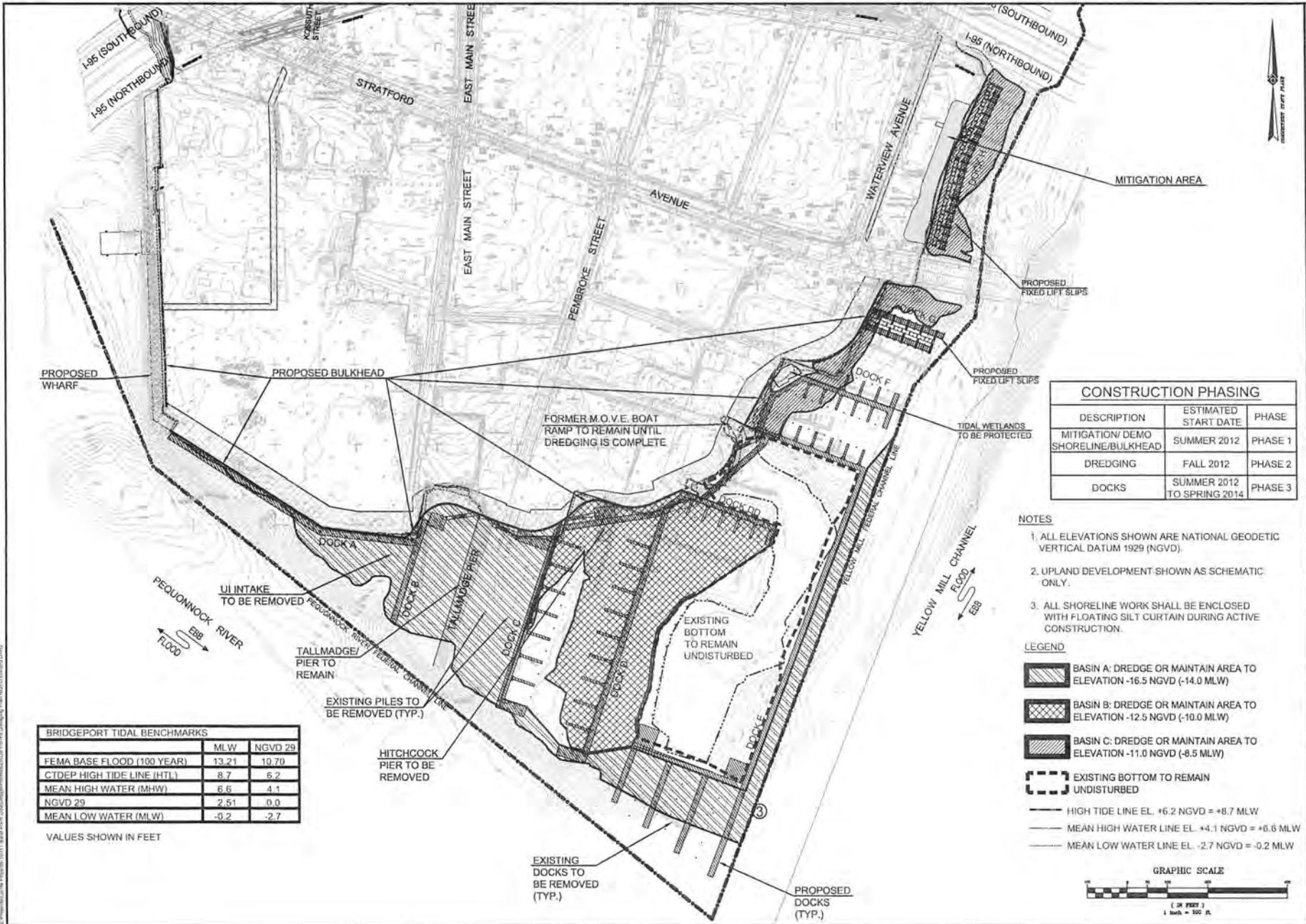
VERT: 1" = 20'

DATUM: NAVD 83

HORIZ: NAD 83

VERT: NAVD 79

GRAPHIC SCALE



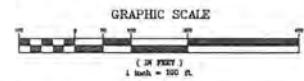
| BRIDGEPORT TIDAL BENCHMARKS | | |
|-----------------------------|-------|---------|
| | MLW | NGVD 29 |
| FEMA BASE FLOOD (100 YEAR) | 13.21 | 10.70 |
| CTDEP HIGH TIDE LINE (HTL) | 8.7 | 6.2 |
| MEAN HIGH WATER (MHW) | 6.6 | 4.1 |
| NGVD 29 | 2.51 | 0.0 |
| MEAN LOW WATER (MLW) | -0.2 | -2.7 |

VALUES SHOWN IN FEET

| CONSTRUCTION PHASING | | |
|-------------------------------------|----------------------------|---------|
| DESCRIPTION | ESTIMATED START DATE | PHASE |
| MITIGATION/ DEMO SHORELINE/BULKHEAD | SUMMER 2012 | PHASE 1 |
| DREDGING | FALL 2012 | PHASE 2 |
| DOCKS | SUMMER 2012 TO SPRING 2014 | PHASE 3 |

- NOTES**
1. ALL ELEVATIONS SHOWN ARE NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD).
 2. UPLAND DEVELOPMENT SHOWN AS SCHEMATIC ONLY.
 3. ALL SHORELINE WORK SHALL BE ENCLOSED WITH FLOATING SILT CURTAIN DURING ACTIVE CONSTRUCTION.

- LEGEND**
- BASIN A: DREDGE OR MAINTAIN AREA TO ELEVATION -16.5 NGVD (-14.0 MLW)
 - BASIN B: DREDGE OR MAINTAIN AREA TO ELEVATION -12.5 NGVD (-10.0 MLW)
 - BASIN C: DREDGE OR MAINTAIN AREA TO ELEVATION -11.0 NGVD (-8.5 MLW)
 - EXISTING BOTTOM TO REMAIN UNDISTURBED
 - HIGH TIDE LINE EL. +6.2 NGVD = +8.7 MLW
 - MEAN HIGH WATER LINE EL. +4.1 NGVD = +6.6 MLW
 - MEAN LOW WATER LINE EL. -2.7 NGVD = -0.2 MLW



DATE: 08/01/12
DRAWN BY: [Name]
CHECKED BY: [Name]
APPROVED BY: [Name]

Luchs
CONSULTING ENGINEERS, LLC

CITY OF BRIDGEPORT
STEELPOINTE HARBOR DEVELOPMENT
PROPOSED CONSTRUCTION PHASING PLAN

PROJECT TITLE: STEELPOINTE HARBOR DEVELOPMENT
PROJECT NO.:
DRAWING NO.:
SHEET NO.:
FIGURE 12

Summary of Essential Fish Habitat (EFH) Designation
 10' x 10' Square Coordinates:

| | | | | |
|------------|-------------|-------------|-------------|-------------|
| Boundary | North | East | South | West |
| Coordinate | 41° 10.0' N | 73° 00.0' W | 41° 00.0' N | 73° 10.0' W |

Square Description (i.e. habitat, landmarks, coastline markers): The waters within the square include the tidal and subtidal areas of Long Island Sound in and adjacent to Bridgeport Harbor, Bridgeport Connecticut.

| Species | Eggs | Larvae | Juveniles | Adults |
|---|------|--------|-----------|--------|
| Atlantic salmon (<i>Salmo salar</i>) | | | X | X |
| Pollock (<i>Pollachius virens</i>) | | | X | X |
| Whiting (<i>Merluccius bilinearis</i>) | | | | X |
| red hake (<i>Urophycis chuss</i>) | X | X | X | X |
| winter flounder
(<i>Pseudopleuronectes americanus</i>) | X | X | X | X |
| windowpane flounder
(<i>Scophthalmus aquosus</i>) | X | X | X | X |
| American plaice (<i>Hippoglossoides platessoides</i>) | | | X | X |
| Atlantic sea herring (<i>Clupea harengus</i>) | | | X | X |
| bluefish (<i>Pomatomus saltatrix</i>) | | | X | X |
| Atlantic butterfish (<i>Peprilus triacanthus</i>) | | X | X | X |
| Atlantic mackerel (<i>Scomber scombrus</i>) | X | X | X | X |
| summer flounder (<i>Paralichthys dentatus</i>) | | X | X | X |
| scup (<i>Stenotomus chrysops</i>) | X | X | X | X |
| black sea bass (<i>Centropristus striata</i>) | | | X | X |
| king mackerel (<i>Scomberomorus cavalla</i>) | X | X | X | X |
| Spanish mackerel (<i>Scomberomorus maculatus</i>) | X | X | X | X |
| cobia (<i>Rachycentron canadum</i>) | X | X | X | X |
| sand tiger shark (<i>Odontaspis taurus</i>) | | X | X | |
| little skate (<i>Leucoraja erinacea</i>) | | | X | X |
| Winter skate (<i>Leucoraja ocellata</i>) | | | X | X |