

AMBIT ENGINEERING, INC. CIVIL ENGINEERS AND LAND SURVEYORS

200 Griffin Road, Unit 3, Portsmouth, NH 03801
Phone (603) 430-9282 Fax 436-2315

6 September 2021

Juliet Walker, Planning Department Chair
City of Portsmouth
1 Junkins Avenue
Portsmouth, NH 03801

RE: Application for TAC Workshop Approval, Tax Map 106, Lot 54, 99 Bow Street

Dear Juliet and TAC Members:

On behalf of Martingale, LLC we submit herewith the attached for TAC Workshop review. The project consists of two separate decks which will be attached to the east and west ends of the existing over water deck located at 99 Bow Street, Portsmouth, and commonly referred to as the Martingale. The West Deck expansion (public wharf deck) will provide the general public with handicap accessible access to the Piscataqua River Waterfront for the enjoyment of the active Inner Harbor of Portsmouth, the Sarah Mildred Long Bridge, the Memorial Bridge, the Moran Tug Boats, the NH State Port Authority Pier and the working waterfront of Kittery Maine. The East Deck expansion will be for an expansion of the existing outside dining for the Martingale Wharf Restaurant, which is open to the public.

Martingale Wharf is the only restaurant open to the general public located on the Inner Harbor of downtown Portsmouth that provides full handicap accessibility via on street parking located on Bow Street and a passenger elevator to the waterfront. Martingale Wharf also has handicap accessible bathrooms located on the waterfront as part of the restaurant. The northern, or “waterside” limit of the building is synonymous with a seawall, which is also the landward limit of the Highest Observable Tide Line for the majority of the shoreline frontage associated with the property. At the time of construction in 2010, Martingale was one of only two projects to receive an Urban Exemption to Shoreland Zoning which permitted the construction and improvements as seen today, including approval for public dining on the existing deck. The West Deck expansion (public wharf deck) is the only waterfront deck with handicap accessibility to the general public. The deck also has additional public access via a continuous easement that connects the Martingale with Ceres Street and Bow Street (See Existing Conditions Plan-Sheet C1).

The public wharf deck and the public dining deck will each display an educational bas relief sculpture installed on the walls of the deck expansion. Each sculpture will depict black and white seamen in the age of sail, while weaving in images of the Portsmouth seaport history. The sculpture located on the East wall of the public dining deck will feature seamen at work, while the sculpture located on the West wall of the public wharf deck will feature seamen at rest and play. These and other specialized landscaped features will provide the public with a unique experience in a unique space (See McHenry Architecture Plans attached).

Please find the following plans in this submission:

- Cover Sheet – This shows the Development Team, Legend, Site Location, and Site Zoning.
- As – Built Plan, Martingale Wharf – This shows the property dimensions of the lot.
- Existing Conditions Plan C1 – This plan shows the current improvements on the property.
- NHDES Permit Plan C2 – This plan shows the proposed deck expansion(s) and layout of the proposed features.
- Site Sections C3 & C4 – This plan shows the on-site and adjacent underwater topography / bathymetry as well as the proposed pile locations.
- Details D1 – This plan shows the Deck Details as well as erosion control and project construction sequence.
- Perspective View (Decks) A4 & A5 – These plans show the rendered views of the proposed deck expansion.
- Perspective View (Murals) A6, A7, & A8 – These plans show the rendered views of the proposed murals at each end of the decks, with relevant details.
- Decks Expansion Plan A9 – The plan show the dimensions of the proposed deck expansion and proposed deck seating.
- Elevations, Detail Plans, Cut Sheets and Materials A11, A12 & A13 – These plans show additional details of the proposed deck expansion and murals.
- Landscape Details L1 – The plan show landscape details for the proposed deck expansion and murals.

We ask that we be placed on the Agenda for the **September 14 TAC Work Session**. We look forward to your review of this submission.

Sincerely,

John Chagnon

John R. Chagnon, PE
CC: 99 Bow Street Team

PUBLIC ACCESS IMPROVEMENTS

MARTINGALE WHARF

99 BOW STREET, PORTSMOUTH, NEW HAMPSHIRE

PERMIT PLANS

OWNER & APPLICANT:
MARTINGALE, LLC
MCNABB PROPERTIES, LTD
 3 PLEASANT STREET, SUITE 400
 PORTSMOUTH, NH 03801
 (603) 427-0725

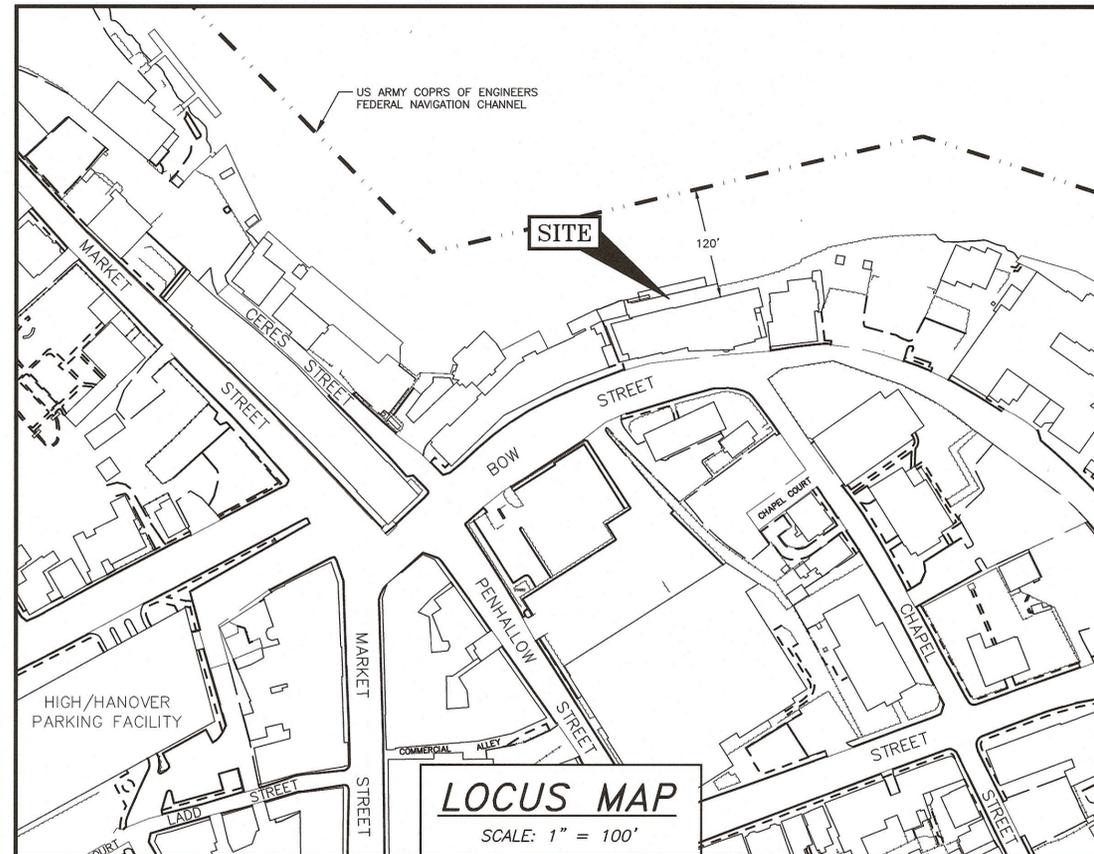
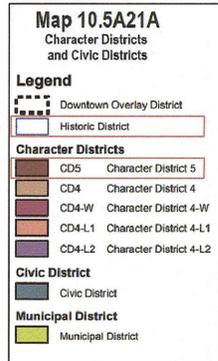
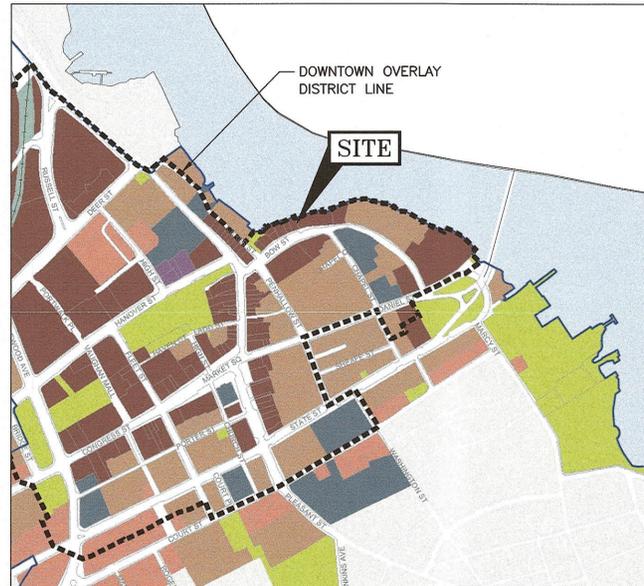
LANDSCAPE ARCHITECT:
TERRA FIRMA LANDSCAPE
ARCHITECTURE
 163A COURT STREET
 PORTSMOUTH NH 03801
 TEL. (603) 430-8388

CIVIL ENGINEER & LAND
SURVEYOR:
AMBIT ENGINEERING, INC.
 200 GRIFFIN ROAD, UNIT 3
 PORTSMOUTH, N.H. 03801
 Tel. (603) 430-9282
 Fax (603) 436-2315

ARCHITECT:
McHENRY ARCHITECTURE, PLLC
 4 MARKET STREET
 PORTSMOUTH NH 03801
 TEL. (603) 430-0274

ATTORNEY:
RATH, YOUNG, AND PIGNATELLI, P.C.
 ONE CAPITAL PLAZA
 CONCORD NH 03302-1500
 (603) 226-2600

PERMIT LIST:
 PORTSMOUTH HDC: PENDING
 NHDES: PENDING



LEGEND:

EXISTING	PROPOSED	
---	---	PROPERTY LINE
---	---	SETBACK
S	S	SEWER PIPE
SL	SL	SEWER LATERAL
G	G	GAS LINE
D	D	STORM DRAIN
W	W	WATER LINE
WS	WS	WATER SERVICE
UGE	UGE	UNDERGROUND ELECTRIC
OHW	OHW	OVERHEAD ELECTRIC/WIRES
---	---	FOUNDATION DRAIN
---	---	EDGE OF PAVEMENT (EP)
100	100	CONTOUR
97x3	98x0	SPOT ELEVATION
○	○	UTILITY POLE
☀	☀	WALL MOUNTED EXTERIOR LIGHTS
☀	☀	TRANSFORMER ON CONCRETE PAD
☀	☀	ELECTRIC HANDHOLD
☀	☀	SHUT OFFS (WATER/GAS)
☀	☀	GATE VALVE
☀	☀	HYDRANT
☀	☀	CATCH BASIN
☀	☀	SEWER MANHOLE
☀	☀	DRAIN MANHOLE
☀	☀	TELEPHONE MANHOLE
☀	☀	PARKING SPACE COUNTER
☀	☀	PARKING METER
☀	☀	LANDSCAPED AREA
LSA	LSA	LANDSCAPED AREA
TBD	TBD	TO BE DETERMINED
CI	CI	CAST IRON PIPE
COP	COP	COPPER PIPE
DI	DI	DUCTILE IRON PIPE
PVC	PVC	POLYVINYL CHLORIDE PIPE
RCP	RCP	REINFORCED CONCRETE PIPE
AC	AC	ASBESTOS CEMENT PIPE
VC	VC	VITRIFIED CLAY PIPE
EP	EP	EDGE OF PAVEMENT
EL.	EL.	ELEVATION
FF	FF	FINISHED FLOOR
INV	INV	INVERT
S =	S =	SLOPE FT/FT
TBM	TBM	TEMPORARY BENCH MARK
TYP	TYP	TYPICAL



INDEX OF SHEETS

DWG No.	Description
-	AS-BUILT PLAN
C1	EXISTING CONDITIONS PLAN
C2	DES PERMIT PLAN
C3-C4	SITE SECTIONS
D1	DETAILS
-	ARCHITECTURAL PLANS
-	PERSPECTIVE VIEWS
-	DECK EXPANSION PLAN
-	ELEVATIONS AND DETAILS
-	CUT SHEETS
-	LANDSCAPE DETAILS

UTILITY CONTACTS

ELECTRIC:
 EVERSOURCE
 1700 LAFAYETTE ROAD
 PORTSMOUTH, N.H. 03801
 Tel. (603) 436-7708, Ext. 555.5678
 ATTN: MICHAEL BUSBY, P.E. (MANAGER)

NATURAL GAS:
 UNITIL
 325 WEST ROAD
 PORTSMOUTH, N.H. 03801
 Tel. (603) 294-5144
 ATTN: DAVE BEAULIEU

CABLE:
 COMCAST
 155 COMMERCE WAY
 PORTSMOUTH, N.H. 03801
 Tel. (603) 679-5695 (X1037)
 ATTN: MIKE COLLINS

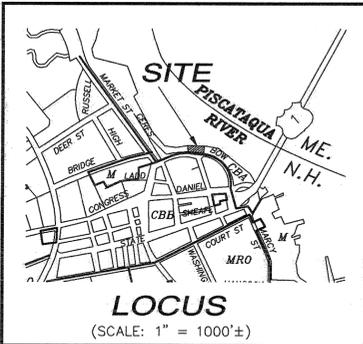
SEWER & WATER:
 PORTSMOUTH DEPARTMENT OF PUBLIC WORKS
 680 PEVERLY HILL ROAD
 PORTSMOUTH, N.H. 03801
 Tel. (603) 427-1530
 ATTN: JIM TOW

COMMUNICATIONS:
 FAIRPOINT COMMUNICATIONS
 JOE CONSIDINE
 1575 GREENLAND ROAD
 GREENLAND, N.H. 03840
 Tel. (603) 427-5525

PUBLIC ACCESS IMPROVEMENTS
MARTINGALE WHARF
99 BOW STREET
PORTSMOUTH, N.H.

AMBIT ENGINEERING, INC.
 Civil Engineers & Land Surveyors
 200 Griffin Road - Unit 3
 Portsmouth, N.H. 03801-7114
 Tel (603) 430-9282
 Fax (603) 436-2315

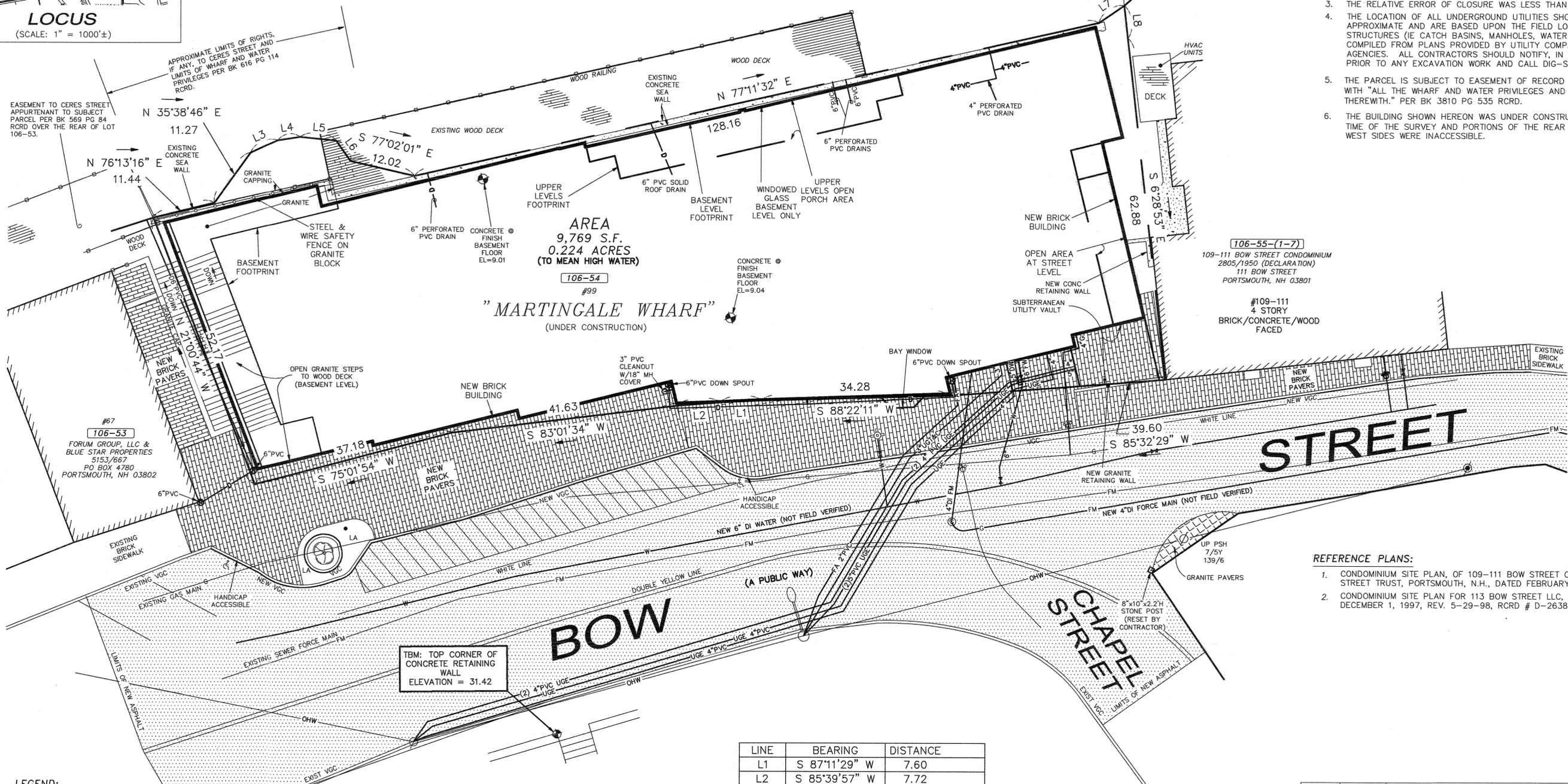
PLAN SET SUBMITTAL DATE: 12 AUGUST 2021



PISCATAQUA RIVER

(AN ARM OF THE SEA)

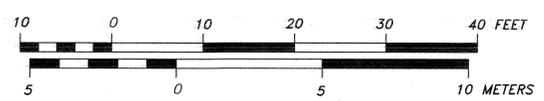
EBB
FLOW



- NOTES:**
- OWNER OF RECORD..... MARTINGALE WHARF LIMITED PARTNERSHIP
ADDRESS..... POB 930, PORTSMOUTH, NH 03802
DEED REFERENCE..... 5068/1241 (3810/535)
TAX SHEET / LOT..... 106-054
 - ZONED..... CBA (CENTRAL BUSINESS A) FRONT YARD SETBACK..... 0'
MINIMUM LOT AREA 1,500 S.F. SIDE YARD SETBACK..... 0'
FRONTAGE..... N/A REAR YARD SETBACK..... 0'
ZONE OVERLAY..... DOD (DOWNTOWN OVERLAY DISTRICT)
 - THE RELATIVE ERROR OF CLOSURE WAS LESS THAN 1 FOOT IN 15,000 FEET.
 - THE LOCATION OF ALL UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE AND ARE BASED UPON THE FIELD LOCATION OF ALL VISIBLE STRUCTURES (IE CATCH BASINS, MANHOLES, WATER GATES ETC.) AND INFORMATION COMPILED FROM PLANS PROVIDED BY UTILITY COMPANIES AND GOVERNMENTAL AGENCIES. ALL CONTRACTORS SHOULD NOTIFY, IN WRITING, SAID AGENCIES PRIOR TO ANY EXCAVATION WORK AND CALL DIG-SAFE @ 1-888-DIG-SAFE.
 - THE PARCEL IS SUBJECT TO EASEMENT OF RECORD AND IS CONVEYED TOGETHER WITH "ALL THE WHARF AND WATER PRIVILEGES AND RIPARIAN PRIVILEGES THEREWITH." PER BK 3810 PG 535 RCRD.
 - THE BUILDING SHOWN HEREON WAS UNDER CONSTRUCTION AT THE TIME OF THE SURVEY AND PORTIONS OF THE REAR (RIVER), EAST AND WEST SIDES WERE INACCESSIBLE.

- REFERENCE PLANS:**
- CONDOMINIUM SITE PLAN, OF 109-111 BOW STREET CONDOMINIUM FOR 111 BOW STREET TRUST, PORTSMOUTH, N.H., DATED FEBRUARY 1989, RCRD # D-1960.
 - CONDOMINIUM SITE PLAN FOR 113 BOW STREET LLC, PORTSMOUTH, NH, DATED DECEMBER 1, 1997, REV. 5-29-98, RCRD # D-26386.

LINE	BEARING	DISTANCE
L1	S 87°11'29" W	7.60
L2	S 85°39'57" W	7.72
L3	N 64°32'22" E	5.46
L4	N 81°19'31" E	4.13
L5	S 84°27'22" E	6.62
L6	S 35°26'01" E	4.56
L7	N 55°18'29" E	5.60
L8	S 6°28'53" E	6.00



- LEGEND:**
- WOOD FENCE
 - HYDRANT
 - WATER GATE VALVE
 - WATER SHUTOFF VALVE
 - CEMENT CONCRETE PAD
 - UTILITY POLE
 - LIGHT POLE W/ARM
 - UTILITY POLE W/TRANSFORMER
 - GUY
 - ELECTRIC METER
 - SEWER LINE
 - WATER LINE
 - GAS LINE
 - OVERHEAD WIRES
 - FORCE MAIN
 - SIGN
 - VERTICAL FACED GRANITE CURB
 - ROCKINGHAM COUNTY REGISTRY OF DEEDS
 - FIRE ALARM
 - UNDERGROUND TELEPHONE & COMMUNICATIONS
 - DUCTILE IRON
 - VERTICAL FACED GRANITE CURB
 - VERTICAL FACED CONCRETE CURB
 - UNDERGROUND ELECTRIC
 - FIRE ALARM
 - DOMESTIC WATER LINE
 - PROPERTY LINE
 - PVC DOWNSPOUT
 - PVC SEWER CLEANOUT
 - LANDSCAPED AREA

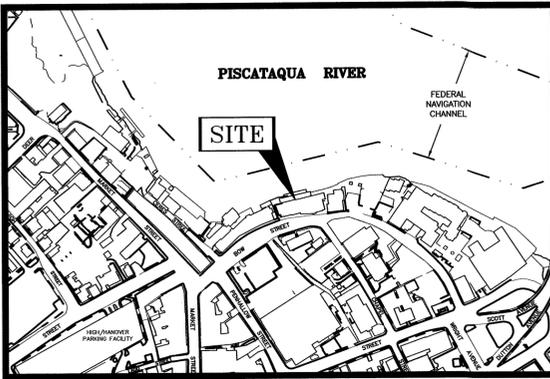
AS-BUILT PLAN
MARTINGALE WHARF - 99 BOW STREET
PORTSMOUTH, NH
 ASSESSOR'S PARCEL: 106 - 54
 for: **MARTINGALE WHARF LIMITED PARTNERSHIP**

JAMES VERRA and ASSOCIATES, INC.

DATE: 5-3-2011
 JOB NO: 21889-C
 SCALE: 1" = 10'
 DWG NAME: 21889-C
 PLAN NO: 21889-C-1
 SHEET: 1 OF 1

101 SHATTUCK WAY
 SUITE # 8
 NEWINGTON, NH 03801-7876
 603.436.3557

HRM PROJECT MGR
 HRM DRAWN BY
 COPYRIGHT © 2011 by JAMES VERRA and ASSOCIATES, INC.



PLAN REFERENCE:

- AS-BUILT PLAN MARTINGALE WHARF - 99 BOW STREET PORTSMOUTH, NH, ASSESSOR'S PARCEL 106-54, FOR MARTINGALE WHARF LIMITED PARTNERSHIP, SCALE 1" = 10', PREPARED BY JAMES VERRA AND ASSOCIATES, INC., DATED 5-3-2011, NOT RECORDED
- AS-BUILT EASEMENT PLAT 67 & 99 BOW STREET PORTSMOUTH, NH HAMPSHIRE, ASSESSOR'S PARCELS 106-053 & 106-054, OWNERS FORUM GROUP, LLC & BLUE STAR PROPERTIES MARTINGALE WHARF LIMITED PARTNERSHIP, SCALE 1" = 5', PREPARED BY JAMES VERRA AND ASSOCIATES, INC., DATED 12 MAY 2011, RCRD D-37137
- AS-BUILT PLAN MARTINGALE WHARF - 99 BOW STREET PORTSMOUTH, NH, ASSESSOR'S PARCEL 106-54, FOR MARTINGALE WHARF LIMITED PARTNERSHIP, SCALE 1" = 10', PREPARED BY JAMES VERRA AND ASSOCIATES, INC., DATED 5-3-2011, REVISED 3-5-2012, RCRD D-37138

- (106 55) N/F 111 BOW STREET CONDO ASSOCIATION 111 BOW STREET PORTSMOUTH, N.H. 03801 2805/1950
- (106 55-1) N/F ASRT LLC 266 MIDDLE ST PORTSMOUTH, N.H. 03801 5720/0499 (109-111 BOW ST #1)
- (106 55-2) N/F BOWPORTS EV CORPORATION C/O KATY SHERMAN 25 WEST RD, RYE, NH 03870 3008/0951 (109-111 BOW ST #2)
- (106 55-3) N/F GEORGE B. GLIDDEN REVOCABLE TRUST 1/2 INT, FRANK MARJAN REVOCABLE TRUST 1/2 INT PO BOX 729 PORTSMOUTH, NH 03802-0729 5050/2061 (109-111 BOW ST #3)
- (106 55-4) N/F ASRT LLC 111 BOW STREET PORTSMOUTH, N.H. 03801 5634/0949 (109-111 BOW ST #4)
- (106 55-5) N/F ASRT LLC 111 BOW STREET PORTSMOUTH, N.H. 03801 5634/0949 (109-111 BOW ST #5)
- (106 55-6) N/F MONTGOMERY PORTSMOUTH TRUST, BRUCE D. MONTGOMERY TRUSTEE 111 BOW STREET #6 PORTSMOUTH, NH 03801 5712/0640 (109-111 BOW ST #6)
- (106 55-7) N/F JOHN SAMONAS 33 CAPE ROAD NEWCASTLE, NH 03854 6095/71 (109-111 BOW ST #7)

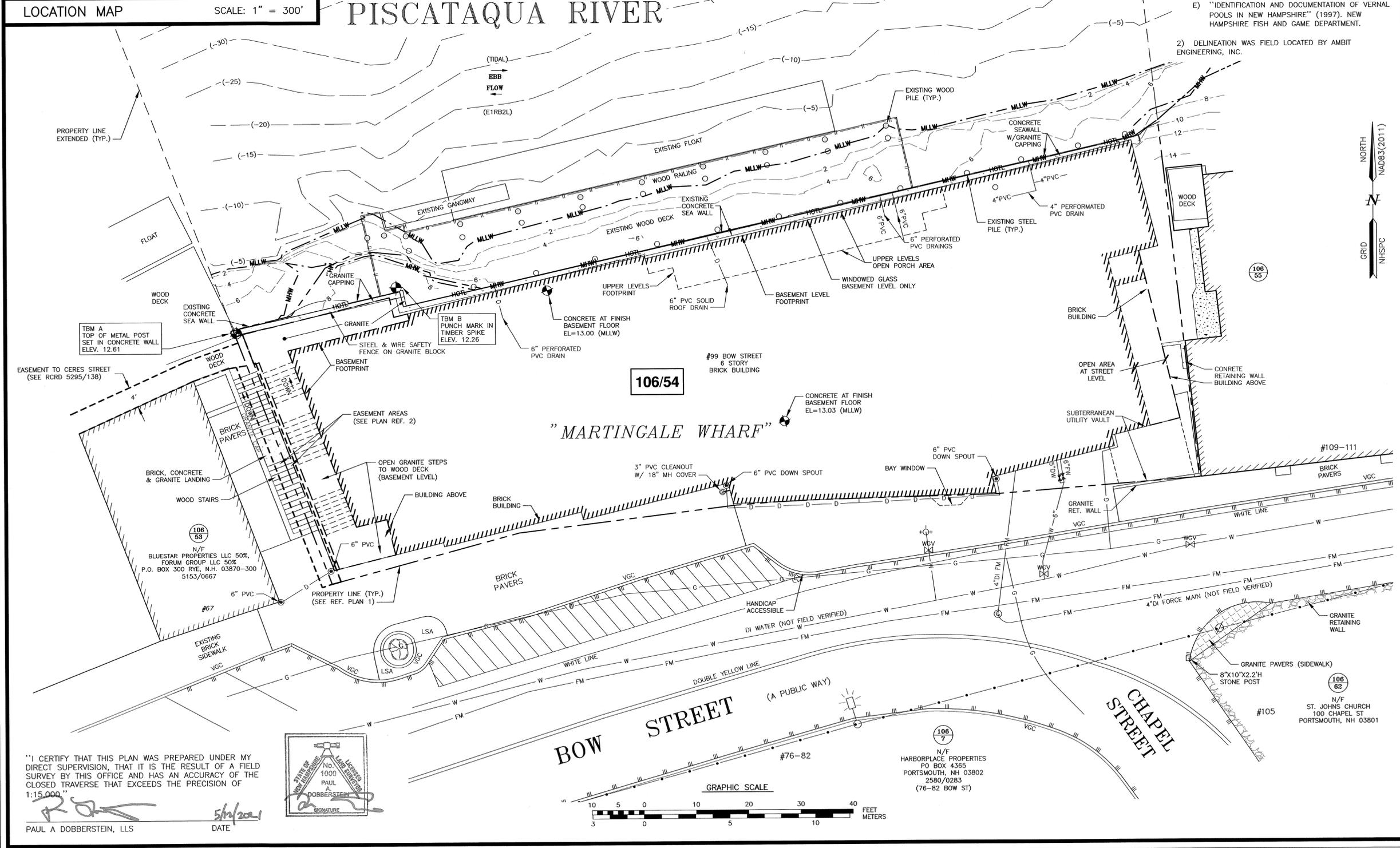
WETLAND NOTES:

- HIGHEST OBSERVABLE TIDE LINE DELINEATED BY STEVEN D. RIKER, CWS ON 04/5/2021 IN ACCORDANCE WITH THE FOLLOWING STANDARDS:
 - U.S. ARMY CORPS OF ENGINEERS WETLANDS DELINEATION MANUAL, TECHNICAL REPORT Y-87-1 (JAN. 1987), AND REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTH-CENTRAL AND NORTHEAST REGION, VERSION 2.0, JANUARY 2012.
 - FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, VERSION 8.2, USDA-NRCS, 2018 AND (FOR DISTURBED SITES) FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND, VERSION 4. NEWPPCC WETLANDS WORK GROUP (2019).
 - NATIONAL LIST OF PLANT SPECIES THAT OCCUR IN WETLANDS: NORTHEAST (REGION 1). USFWS (MAY 1988).
 - CLASSIFICATION OF WETLANDS AND DEEPWATER HABITATS OF THE UNITED STATES. USFW MANUAL FWS/OBS-79/31 (1997).
 - "IDENTIFICATION AND DOCUMENTATION OF VERNAL POOLS IN NEW HAMPSHIRE" (1997). NEW HAMPSHIRE FISH AND GAME DEPARTMENT.
- DELINEATION WAS FIELD LOCATED BY AMBIT ENGINEERING, INC.

AMBIT ENGINEERING, INC.
Civil Engineers & Land Surveyors
200 Griffin Road - Unit 3
Portsmouth, N.H. 03801-7114
Tel (603) 430-9282
Fax (603) 436-2315

NOTES:

- PARCEL IS SHOWN ON THE TOWN OF PORTSMOUTH ASSESSOR'S MAP 106 AS LOT 54.
- OWNERS OF RECORD:
MARTINGALE LLC
3 PLEASANT ST, 4TH FLOOR
PORTSMOUTH, NH 03801
5868/2627
- PARCEL IS PARTIALLY IN A FLOOD HAZARD ZONE (ZONE AE EL. 8) AS SHOWN ON FIRM PANEL 33015C0259F. EFFECTIVE DATE JANUARY 29, 2021.
- EXISTING LOT AREA:
9,769 S.F. TO MEAN HIGH WATER (PER PLAN REF. 3)
0.224 ACRES TO MEAN HIGH WATER (PER PLAN REF. 3)
- PARCEL IS LOCATED IN THE DOWNTOWN OVERLAY DISTRICT, CDS (CHARACTER DISTRICT 5), HISTORIC DISTRICT.
- DIMENSIONAL REQUIREMENTS: SEE CITY ZONING REQUIREMENTS.
- THE PURPOSE OF THIS PLAN IS TO SHOW THE EXISTING CONDITIONS ON ASSESSORS MAP TAX MAP 106 LOT 54 IN THE CITY OF PORTSMOUTH.
- BOUNDARY LINES SHOWN HEREON ARE BASED SOLELY ON PLAN REFERENCE 3. EASEMENTS, RIGHTS OF OTHERS, ETC., HAVE NOT BEEN RESEARCHED OR NOTED HEREON.
- VERTICAL DATUM IS MEAN LOWER LOW WATER (MLLW). MLLW REFERENCED ON NOAA STATION 8423005 T14A PORTSMOUTH, MLLW BEING 3.99 FEET LOWER THAN 0.0 NAVD83. BASIS OF VERTICAL DATUM IS REDUNDANT RTN GNSS OBSERVATIONS.



PUBLIC ACCESS IMPROVEMENTS BOW STREET PORTSMOUTH, N.H.

NO.	DESCRIPTION	DATE
1	UPDATE EASEMENT	5/12/21
0	ISSUED FOR COMMENT	4/23/21

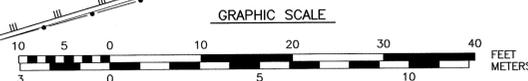
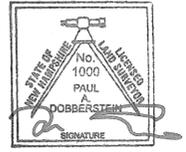
STATE OF NEW HAMPSHIRE
STEVEN D. RIKER
REGISTERED WETLAND SCIENTIST
No. 219

SCALE: 1" = 10' MARCH 2021

EXISTING CONDITIONS PLAN **C1**

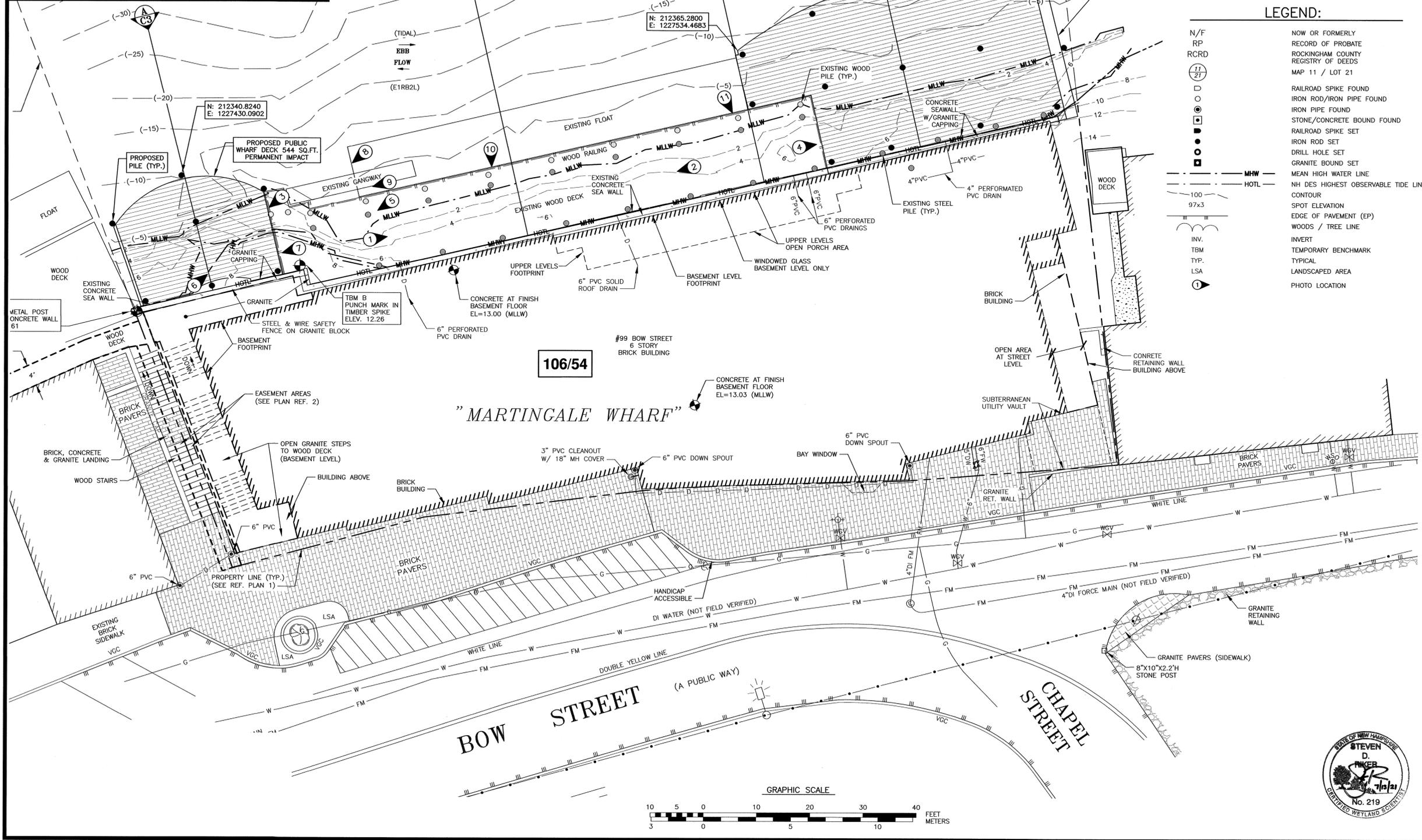
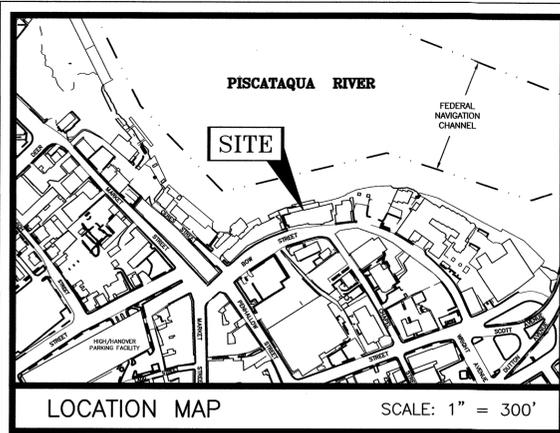
"I CERTIFY THAT THIS PLAN WAS PREPARED UNDER MY DIRECT SUPERVISION, THAT IT IS THE RESULT OF A FIELD SURVEY BY THIS OFFICE AND HAS AN ACCURACY OF THE CLOSED TRAVERSE THAT EXCEEDS THE PRECISION OF 1:15,000"

PAUL A DOBBERSTEIN, LLS DATE 5/12/2021



(106 7) N/F HARBORPLACE PROPERTIES PO BOX 4365 PORTSMOUTH, NH 03802 2580/0283 (76-82 BOW ST)

(106 82) N/F ST. JOHN'S CHURCH 100 CHAPEL ST PORTSMOUTH, NH 03801



AMBIT ENGINEERING, INC.
Civil Engineers & Land Surveyors
200 Griffin Road - Unit 3
Portsmouth, N.H. 03801-7114
Tel (603) 430-9282
Fax (603) 436-2315

- NOTES:**
- 1) PARCEL IS SHOWN ON THE TOWN OF PORTSMOUTH ASSESSOR'S MAP 106 AS LOT 54.
 - 2) OWNERS OF RECORD:
MARTINGALE LLC
3 PLEASANT ST. 4TH FLOOR
PORTSMOUTH, NH 03801
5868/2627
 - 3) PARCEL IS PARTIALLY IN A FLOOD HAZARD ZONE (ZONE AE EL. 8) AS SHOWN ON FIRM PANEL 33015C0259F. EFFECTIVE DATE JANUARY 29, 2021.
 - 4) EXISTING LOT AREA:
9,769 S.F. TO MEAN HIGH WATER (PER PLAN REF. 3)
0.224 ACRES TO MEAN HIGH WATER (PER PLAN REF. 3)
 - 5) PARCEL IS LOCATED IN THE DOWNTOWN OVERLAY DISTRICT, CDS (CHARACTER DISTRICT 5), HISTORIC DISTRICT.
 - 6) DIMENSIONAL REQUIREMENTS: SEE CITY ZONING REQUIREMENTS.
 - 7) THE PURPOSE OF THIS PLAN IS TO SHOW THE PROPOSED IMPROVEMENTS ON ASSESSORS MAP TAX MAP 106 LOT 54 IN THE CITY OF PORTSMOUTH.
 - 8) BOUNDARY LINES SHOWN HEREON ARE BASED SOLELY ON PLAN REFERENCES, EASEMENTS, RIGHTS OF OTHERS, ETC., HAVE NOT BEEN RESEARCHED OR NOTED HEREON.
 - 9) VERTICAL DATUM IS MEAN LOWER LOW WATER (MLLW). MLLW REFERENCED ON NOAA STATION 8423005 T14A PORTSMOUTH, MLLW BEING 3.99 FEET LOWER THAN 0.0 NAVD88. BASIS OF VERTICAL DATUM IS REDUNDANT RTN GNSS OBSERVATIONS.

LEGEND:

N/F	NOW OR FORMERLY
RP	RECORD OF PROBATE
RCD	ROCKINGHAM COUNTY
	REGISTRY OF DEEDS
MAP 11 / LOT 21	MAP 11 / LOT 21
○	RAILROAD SPIKE FOUND
○	IRON ROD/IRON PIPE FOUND
○	IRON PIPE FOUND
○	STONE/CONCRETE BOUND FOUND
○	RAILROAD SPIKE SET
○	IRON ROD SET
○	DRILL HOLE SET
○	GRANITE BOUND SET
○	MEAN HIGH WATER LINE
○	NH DES HIGHEST OBSERVABLE TIDE LINE
○	CONTOUR
○	SPOT ELEVATION
○	EDGE OF PAVEMENT (EP)
○	WOODS / TREE LINE
○	INVERT
○	TEMPORARY BENCHMARK
○	TYPICAL
○	LANDSCAPED AREA
○	PHOTO LOCATION

**PUBLIC ACCESS
IMPROVEMENTS
BOW STREET
PORTSMOUTH, N.H.**

NO.	DESCRIPTION	DATE
2	ELIMINATE ADDED DOCK	7/13/21
1	ISSUED FOR APPROVAL	6/29/21
0	ISSUED FOR COMMENT	6/8/21

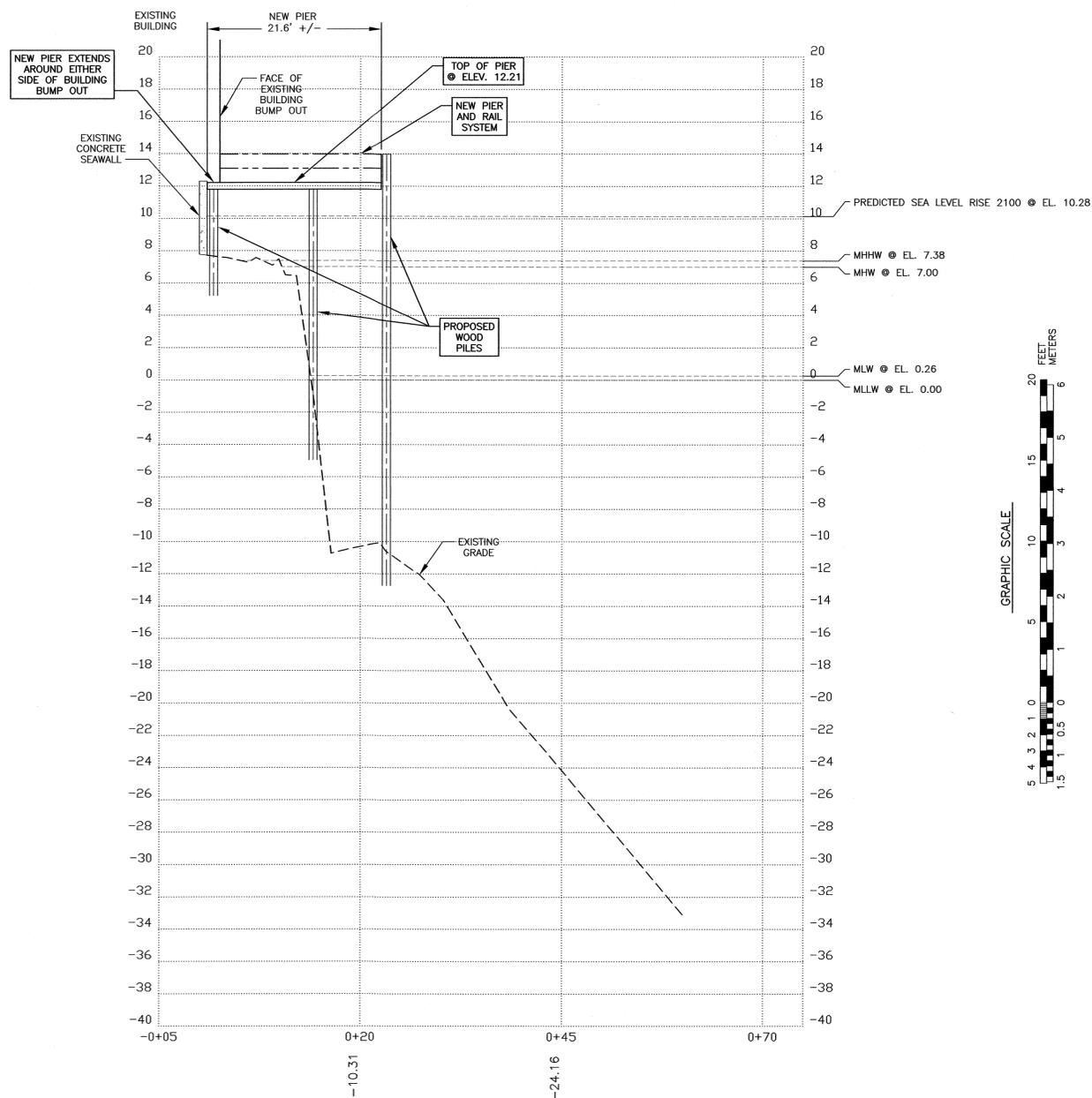
Professional Engineer Seal for Steven D. Chagnon, No. 738, State of New Hampshire. Includes a graphic scale and a north arrow.

SCALE: 1" = 10'
MARCH 2021
NHDES PERMIT PLAN
C2



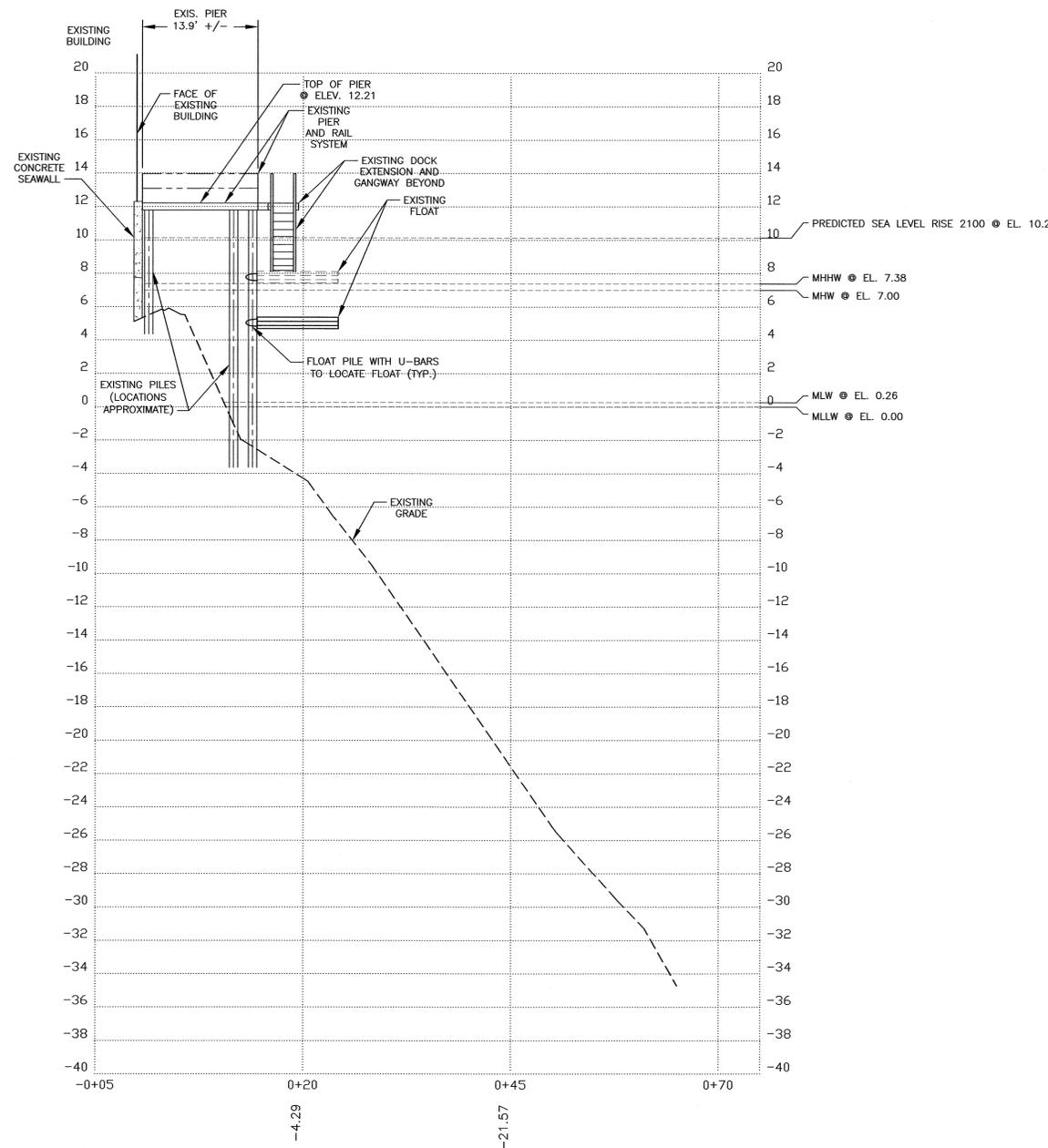
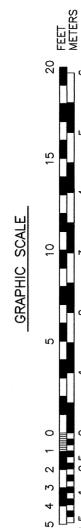
NOTES:

- 1) THE CONTRACTOR SHALL NOTIFY DIG SAFE AT 1-888-DIG-SAFE (1-888-344-7233) AT LEAST 72 HOURS PRIOR TO COMMENCING ANY EXCAVATION ON PUBLIC OR PRIVATE PROPERTY.
- 2) UNDERGROUND UTILITY LOCATIONS ARE BASED UPON BEST AVAILABLE EVIDENCE AND ARE NOT FIELD VERIFIED. LOCATING AND PROTECTING ANY ABOVEGROUND OR UNDERGROUND UTILITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND/OR THE OWNER. UTILITY CONFLICTS SHOULD BE REPORTED AT ONCE TO THE DESIGN ENGINEER.
- 3) CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE "NEW HAMPSHIRE STORMWATER MANUAL, VOLUME 3, EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION. (NHDES DECEMBER 2008).
- 4) NUMBER OF PILES TO BE DRIVEN FOR DECK & DOCKING STRUCTURE NOT TO EXCEED 25 AS DEPICTED ON PLANS. ALSO NOTE TIME OF YEAR AND NOISE RESTRICTIONS FOR DRIVING OF PILES.
- 5) VERTICAL DATUM IS MEAN LOWER LOW WATER (MLLW). MLLW REFERENCED ON NOAA STATION 8423005 T14A PORTSMOUTH, MLLW BEING 3.99 FEET LOWER THAN 0.0 NAVD88. BASIS OF VERTICAL DATUM IS REDUNDANT RTN GNSS OBSERVATIONS.



SECTION A

SCALE: 1" = 10' (HOR.)
1" = 5' (VERT.)



SECTION B

SCALE: 1" = 10' (HOR.)
1" = 5' (VERT.)

GRAPHIC SCALE



**PUBLIC ACCESS
IMPROVEMENTS
BOW STREET
PORTSMOUTH, N.H.**

NO.	DESCRIPTION	DATE
2	REVISED PILE LOCATIONS	8/12/21
1	ISSUED FOR APPROVAL	6/29/21
0	ISSUED FOR COMMENT	6/8/21



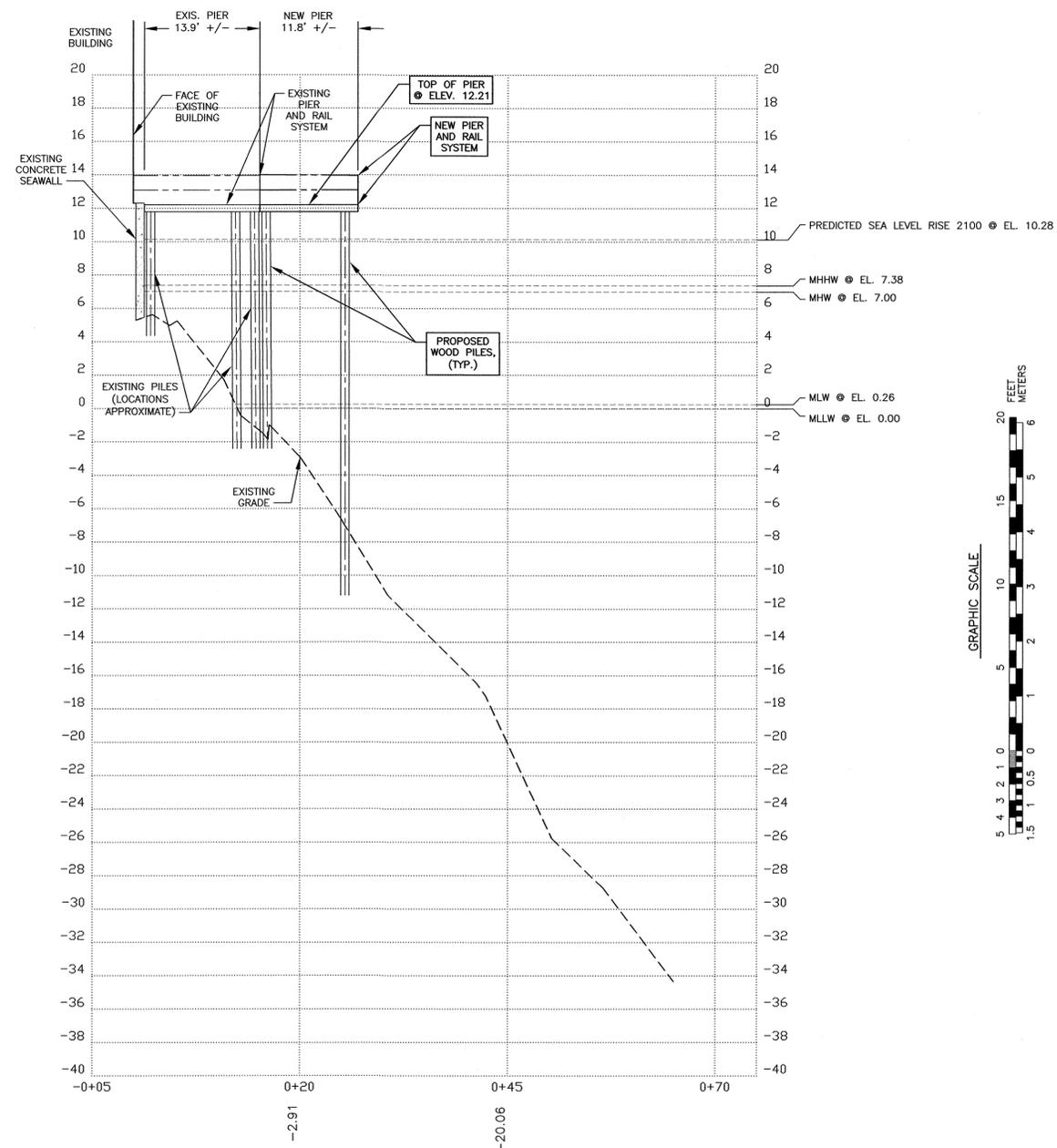
SCALE: AS NOTED MARCH 2021

SITE SECTIONS **C3**



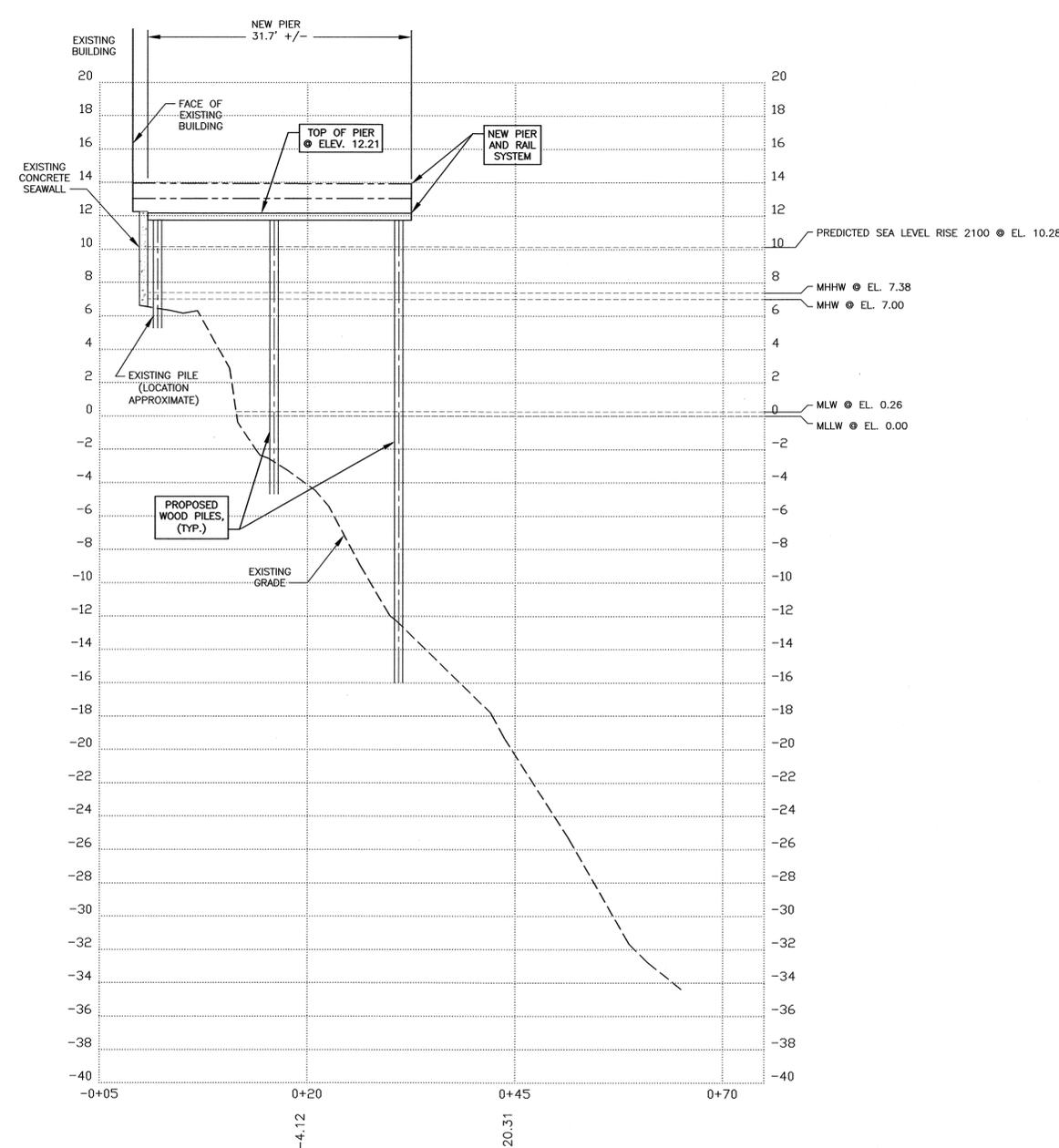
NOTES:

- 1) THE CONTRACTOR SHALL NOTIFY DIG SAFE AT 1-888-DIG-SAFE (1-888-344-7233) AT LEAST 72 HOURS PRIOR TO COMMENCING ANY EXCAVATION ON PUBLIC OR PRIVATE PROPERTY.
- 2) UNDERGROUND UTILITY LOCATIONS ARE BASED UPON BEST AVAILABLE EVIDENCE AND ARE NOT FIELD VERIFIED. LOCATING AND PROTECTING ANY ABOVEGROUND OR UNDERGROUND UTILITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND/OR THE OWNER. UTILITY CONFLICTS SHOULD BE REPORTED AT ONCE TO THE DESIGN ENGINEER.
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- 4) NUMBER OF PILES TO BE DRIVEN FOR DECK & DOCKING STRUCTURE NOT TO EXCEED 25 AS DEPICTED ON PLANS. ALSO NOTE TIME OF YEAR AND NOISE RESTRICTIONS FOR DRIVING OF PILES.
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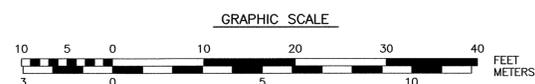
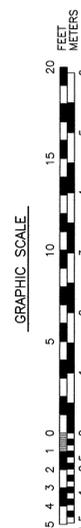
SECTION C

SCALE: 1" = 10' (HOR.)
1" = 5' (VERT.)



SECTION D

SCALE: 1" = 10' (HOR.)
1" = 5' (VERT.)



**PUBLIC ACCESS
IMPROVEMENTS
BOW STREET
PORTSMOUTH, N.H.**

NO.	DESCRIPTION	DATE
2	REVISE PILES. REMOVE PROPOSED FLOAT	8/12/21
1	ISSUED FOR APPROVAL	6/29/21
0	ISSUED FOR COMMENT	6/8/21

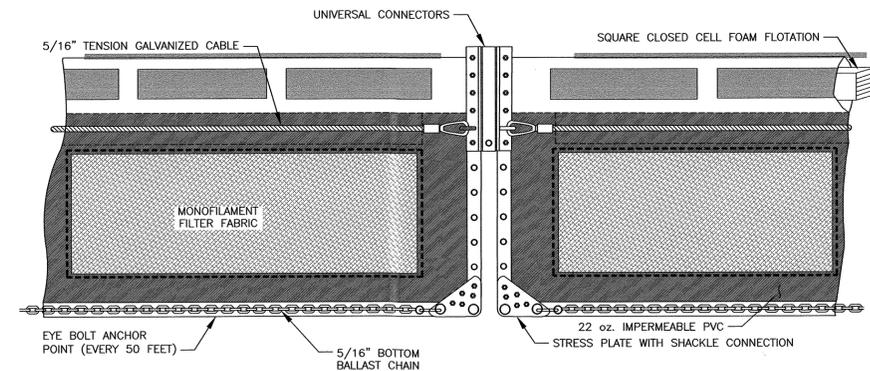
REVISIONS



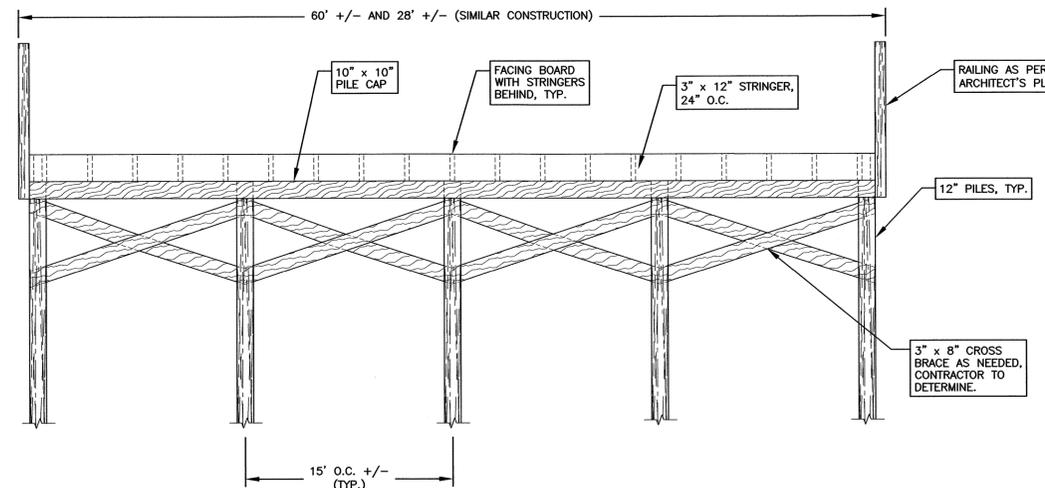
SCALE: AS NOTED MARCH 2021

SITE SECTIONS

C4



1
D1 TURBIDITY CURTAIN DETAIL
(DEPLOY AS NEEDED) NTS



2
D1 PROPOSED DECK DETAIL NTS

NOTES:

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- 2) UNDERGROUND UTILITY LOCATIONS ARE BASED UPON BEST AVAILABLE EVIDENCE AND ARE NOT FIELD VERIFIED. LOCATING AND PROTECTING ANY ABOVEGROUND OR UNDERGROUND UTILITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND/OR THE OWNER. UTILITY CONFLICTS SHOULD BE REPORTED AT ONCE TO THE DESIGN ENGINEER.
- 3) CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE "NEW HAMPSHIRE STORMWATER MANUAL, VOLUME 3, EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION. (NHDES DECEMBER 2008).

SEQUENCE OF CONSTRUCTION

- 1) MOBILIZATION OF A CRANE BARGE, PUSH BOAT, WORK SKIFF, MATERIALS AND PREFABRICATED COMPONENTS SUCH AS THE GANGWAY AND FLOAT TO THE SITE VIA APPROVED ACCESS.
- 2) MOBILIZATION OF EQUIPMENT TRUCKS TO THE SITE.
- 3) THE BARGE WILL BE POSITIONED ALONGSIDE THE PROPOSED LOCATION OF THE NEW DOCK AND WATERWARD OF ANY EMERGENT VEGETATION TO MINIMIZE IMPACTS.
- 4) INSTALLATION OF THE SUB STRUCTURE WILL BE PERFORMED FROM A CRANE BARGE OR SKIFF TO REDUCE THE AMOUNT OF FOOT TRAFFIC IN THE INTERTIDAL AREA.
- 5) ALL WORK WILL BE PERFORMED AT LOW TIDE TO MINIMIZE SEDIMENTATION.
- 6) PILING WILL BE MECHANICALLY DRIVEN BY A CRANE ELIMINATING ANY EXCAVATION FOR INSTALLATION OF THE PILING. PILING ARE DRIVEN TO REFUSAL.
- 7) PILING ARE CUT AND BEAM CAPS ARE INSTALLED AND THE SUPER STRUCTURE OF THE PIER IS BUILT. MATERIALS ARE LIFTED FROM THE BARGE AND SET INTO POSITION BY THE CRANE.
- 8) ONCE THE PIER IS COMPLETE, THE GANGWAY AND FLOAT ARE BROUGHT INTO POSITION AND INSTALLED.

DISCHARGES, AVOIDANCE, MINIMIZATION AND MITIGATION

DISCHARGES OF DREDGED OR FILL MATERIAL INTO WATERS OF THE U.S. AND ANY SECONDARY IMPACTS SHALL BE AVOIDED AND MINIMIZED TO THE MAXIMUM EXTENT PRACTICABLE. PERMITTEES MAY ONLY FILL THOSE JURISDICTIONAL WETLANDS AND WATERWAYS THAT THE CORP AND NHDES AUTHORIZES TO BE FILLED AND IMPACT THOSE AREAS THAT THE CORP AND NHDES AUTHORIZES AS SECONDARY IMPACTS. IF NOT SPECIFICALLY AUTHORIZED BY USACOE AND AND NHDES, ANY UNAUTHORIZED FILL OR SECONDARY IMPACT TO WETLANDS MAY BE CONSIDERED AS A VIOLATION OF THE CWA.

UNLESS SPECIFICALLY AUTHORIZED USACOE AND AND NHDES, NO WORK SHALL DRAIN A WATER OF THE U.S. BY PROVIDING A CONDUIT FOR WATER ON OR BELOW THE SURFACE.

HEAVY EQUIPMENT IN FRESH WATER WETLANDS

HEAVY EQUIPMENT OTHER THAN FIXED EQUIPMENT (DRILL RIGS, FIXED CRANES, ETC.) WORKING IN WETLANDS SHALL NOT BE STORED, MAINTAINED OR REPAIRED IN WETLANDS, UNLESS IT IS LESS ENVIRONMENTALLY DAMAGING OTHERWISE, AND AS MUCH AS POSSIBLE SHALL NOT BE OPERATED WITHIN THE INTERTIDAL ZONE. WHERE CONSTRUCTION REQUIRES HEAVY EQUIPMENT OPERATION IN WETLANDS, THE EQUIPMENT SHALL EITHER HAVE LOW GROUND PRESSURE (<3 PSI), OR SHALL NOT BE LOCATED DIRECTLY ON WETLAND SOILS AND VEGETATION; IT SHALL BE PLACED ON SWAMP MATS THAT ARE ADEQUATE TO SUPPORT THE EQUIPMENT IN SUCH A WAY AS TO MINIMIZE DISTURBANCE OF WETLAND SOIL AND VEGETATION. SWAMP MATS ARE TO BE PLACED IN THE WETLAND FROM THE UPLAND OR FROM EQUIPMENT POSITIONED ON SWAMP MATS IF WORKING WITHIN A WETLAND. DRAGGING SWAMP MATS INTO POSITION IS PROHIBITED. OTHER SUPPORT STRUCTURES THAT ARE LESS IMPACTING AND ARE CAPABLE OF SAFELY SUPPORTING EQUIPMENT MAY BE USED WITH WRITTEN CORPS AND NHDES AUTHORIZATION. SIMILARLY, NOT USING MATS DURING FROZEN, DRY OR OTHER CONDITIONS MAY BE ALLOWED WITH WRITTEN CORPS AND NHDES AUTHORIZATION. AN ADEQUATE SUPPLY OF SPILL CONTAINMENT EQUIPMENT SHALL BE MAINTAINED ON SITE. CORDUROY ROADS AND SWAMP/CONSTRUCTION MATS ARE CONSIDERED AS FILL WHETHER THEY'RE INSTALLED TEMPORARILY OR PERMANENTLY.

TIME OF YEAR WORK WINDOW AND NOISE RESTRICTIONS

- I. PILES INSTALLED IN-THE-DRY DURING LOW WATER OR IN-WATER BETWEEN NOV. 8TH - APR. 9TH, OR
 - II. MUST BE DRILLED AND PINNED TO LEDGE, OR
 - III. VIBRATORY HAMMERS USED TO INSTALL ANY SIZE AND QUANTITY OF WOOD, CONCRETE OR STEEL PILES, OR
 - IV. IMPACT HAMMERS LIMITED TO ONE HAMMER AND <50 PILES INSTALLED/DAY WITH THE FOLLOWING: WOOD PILES OF ANY SIZE, CONCRETE PILES ≤18-INCHES DIAMETER, STEEL PILES 12-INCHES DIAMETER IF THE HAMMER IS ≤3000 LBS. AND A WOOD CUSHION IS USED BETWEEN THE HAMMER AND STEEL PILE.
- FOR II-IV ABOVE:
- I. IN-WATER NOISE LEVELS SHALL NOT >187dB SEL RE $1\mu Pa$ OR 206dB PEAK RE $1\mu Pa$ AT A DISTANCE >10M FROM THE PILE BEING INSTALLED, AND
 - II. IN-WATER NOISE LEVELS >155dB PEAK RE $1\mu Pa$ SHALL NOT EXCEED 12 CONSECUTIVE HOURS ON ANY GIVEN DAY AND A 12 HOUR RECOVERY PERIOD (I.E., IN-WATER NOISE BELOW 155dB PEAK RE $1\mu Pa$) MUST BE PROVIDED BETWEEN WORK DAYS.

WORK SITE RESTORATION

- 1) UPON COMPLETION OF CONSTRUCTION, ALL DISTURBED WETLAND AREAS SHALL BE PROPERLY STABILIZED. ANY SEED MIX SHALL CONTAIN ONLY PLANT SPECIES NATIVE TO NEW ENGLAND.
- 2) THE INTRODUCTION OR SPREAD OF INVASIVE PLANT SPECIES IN DISTURBED AREAS IS PROHIBITED.
- 3) IN AREAS OF AUTHORIZED TEMPORARY DISTURBANCE, IF TREES ARE CUT THEY SHALL BE CUT AT GROUND LEVEL AND NOT UPROOTED IN ORDER TO PREVENT DISRUPTION TO THE WETLAND SOIL STRUCTURE AND TO ALLOW STUMP SPROUTS TO REVEGETATE THE WORK AREA, UNLESS OTHERWISE AUTHORIZED.
- 4) WETLAND AREAS WHERE PERMANENT DISTURBANCE IS NOT AUTHORIZED SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND ELEVATION, WHICH UNDER NO CIRCUMSTANCES SHALL BE HIGHER THAN THE PRE-CONSTRUCTION ELEVATION. ORIGINAL CONDITION MEANS CAREFUL PROTECTION AND/OR REMOVAL OF EXISTING SOIL AND VEGETATION, AND REPLACEMENT BACK TO THE ORIGINAL LOCATION SUCH THAT THE ORIGINAL SOIL LAYERING AND VEGETATION SCHEMES ARE APPROXIMATELY THE SAME, UNLESS AUTHORIZED.

SEDIMENTATION AND EROSION CONTROL

ADEQUATE SEDIMENTATION AND EROSION CONTROL MANAGEMENT MEASURES, PRACTICES AND DEVICES, SUCH AS PHASED CONSTRUCTION, VEGETATED FILTER STRIPS, GEOTEXTILE SILT FENCES, STORMWATER DETENTION AND INFILTRATION SYSTEMS, SEDIMENT DETENTION BASINS, OR OTHER DEVICES SHALL BE INSTALLED AND PROPERLY MAINTAINED TO REDUCE EROSION AND RETAIN SEDIMENT ON-SITE DURING AND AFTER CONSTRUCTION. THEY SHALL BE CAPABLE OF PREVENTING EROSION, OF COLLECTING SEDIMENT, SUSPENDED AND FLOATING MATERIALS, AND OF FILTERING FINE SEDIMENT. THE DISTURBED AREAS SHALL BE STABILIZED AND THESE DEVICES SHALL BE REMOVED UPON COMPLETION OF WORK. THE SEDIMENT COLLECTED BY THESE DEVICES SHALL BE REMOVED AND PLACED AT AN UPLAND LOCATION, IN A MANNER THAT WILL PREVENT ITS LATER EROSION INTO A WATERWAY OR WETLAND. ALL EXPOSED SOIL AND OTHER FILLS SHALL BE PERMANENTLY STABILIZED AT THE EARLIEST PRACTICABLE DATE.

SPAWNING AREAS

DISCHARGES OF DREDGED OR FILL MATERIAL, AND/OR SUSPENDED SEDIMENT PRODUCING ACTIVITIES IN FISH AND SHELLFISH SPAWNING OR NURSERY AREAS, OR AMPHIBIAN AND MIGRATORY BIRD BREEDING AREAS, DURING SPAWNING OR BREEDING SEASONS SHALL BE AVOIDED. IMPACTS TO THESE AREAS SHALL BE MINIMIZED TO THE MAXIMUM EXTENT PRACTICABLE DURING ALL TIMES OF THE YEAR. INFORMATION ON SPAWNING HABITAT FOR SPECIES MANAGED UNDER THE MAGNUSON-STEVENS FISHERY CONSERVATION AND MANAGEMENT ACT (I.E., EFH FOR SPAWNING ADULTS) CAN BE OBTAINED FROM THE NMFS WEBSITE AT: WWW.NERO.NOAA.GOV/HCD.

STORAGE OF SEASONAL STRUCTURES

COASTAL STRUCTURES SUCH AS PIER SECTIONS, FLOATS, ETC., THAT ARE REMOVED FROM THE WATERWAY FOR A PORTION OF THE YEAR (OFTEN REFERRED TO AS SEASONAL STRUCTURES) SHALL BE STORED IN AN UPLAND LOCATION, LOCATED ABOVE HIGHEST OBSERVABLE TIDE LINE (HOTL) AND NOT IN TIDAL WETLANDS. THESE SEASONAL STRUCTURES MAY BE STORED ON THE FIXED, PILE-SUPPORTED PORTION OF THE STRUCTURE THAT IS SEAWARD OF HOTL. THIS IS INTENDED TO PREVENT STRUCTURES FROM BEING STORED ON THE MARSH SUBSTRATE AND THE SUBSTRATE SEAWARD OF MHW.

ENVIRONMENTAL FUNCTIONS AND VALUES

THE PERMITTEE SHALL MAKE EVERY REASONABLE EFFORT TO 1) CARRY OUT THE CONSTRUCTION OR OPERATION OF THE WORK AUTHORIZED BY USACOE AND NHDES HEREIN IN A MANNER THAT MINIMIZES ADVERSE IMPACTS ON FISH, WILDLIFE AND NATURAL ENVIRONMENTAL VALUES, AND 2) PROHIBIT THE ESTABLISHMENT OR SPREAD OF PLANT SPECIES IDENTIFIED AS NON-NATIVE INVASIVE SPECIES BY ANY FEDERAL OR STATE AGENCY. SEE THE SECTION ON INVASIVE SPECIES AT HTTP://WWW.NAE.USACE.ARMY.MIL/REGULATORY/ FOR CONTROL METHODS.

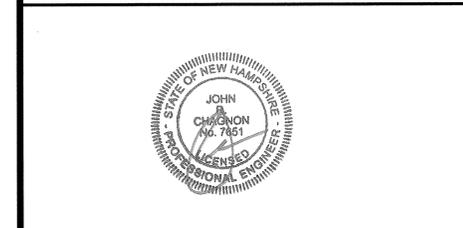
INSPECTIONS

THE PERMITTEE SHALL ALLOW THE CORPS AND NHDES TO MAKE PERIODIC INSPECTIONS AT ANY TIME DEEMED NECESSARY IN ORDER TO ENSURE THAT THE WORK IS BEING OR HAS BEEN PERFORMED IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THIS PERMIT. THE CORPS AND NHDES MAY ALSO REQUIRE POST-CONSTRUCTION ENGINEERING DRAWINGS FOR COMPLETED WORK, AND POST-DREDGING SURVEY DRAWINGS FOR ANY DREDGING WORK.

**PUBLIC ACCESS IMPROVEMENTS
BOW STREET
PORTSMOUTH, N.H.**

1	ISSUED FOR APPROVAL	6/29/21
0	ISSUED FOR COMMENT	6/8/21
NO.	DESCRIPTION	DATE

REVISIONS



SCALE: NTS MARCH 2021

DETAILS **D1**



TANGRAM 3DS





TANGRAM 3DS



TANCRAM 3DS



EAST MURAL AT MARTINGALE WHARF DECK

MARTINGALE RESTAURANT: NARRATIVE FOR THE EAST END BAS RELIEF SCULPTURAL MURAL

THE CITY OF PORTSMOUTH AND THE PISCATAQUA RIVER HAS A 400-YEAR HISTORY AS AN ACTIVE HARBOR AND PORT OF CALL, AND AS A VITAL SHIP BUILDING COMMUNITY.

THE PROPOSED EAST AND WEST IMAGES ON EITHER END OF THIS DOCK EXTENSION HAVE BEEN CONCEIVED AS 'BAS RELIEF' SCULPTURES. THE DESIGN IS BASED, IN PART, ON INFORMATION ABOUT THE HISTORY OF SAILORS, BOTH WHITE AND BLACK, THAT I CULLED FROM A BOOK CALLED, **BLACK JACKS** BY A UNH HISTORY PROFESSOR W. JEFFREY BOLSTER.

THIS BAS RELIEF SCULPTURE HAS NUMEROUS SYMBOLIC ELEMENTS:

- BLACK SAILORS WERE CALLED 'BLACK JACKS', AND THEY WERE ABOUT 20% OF ALL AMERICAN SAILORS. BLACK JACKS SOUGHT SAILING AND WHALING AS A MEANS TO ACHIEVE FREEDOM FROM SLAVERY AND TO MAKE A LIVING.
- THE SAILOR CLOTHING IS A MIX OF THE VARIOUS STYLES OF HATS AND DRESS OF THE SAILORS THROUGH THE DECADES, INCLUDING CIVIL WAR SAILORS AND THOSE ON WHALING SHIPS.
- THE WHALE REPRESENTS THE SAILOR'S PURSUIT OF FREEDOM AND THE ECONOMY OF OIL.
- THE ROPE REPRESENTS THE SAILOR'S STRUGGLE AND THE COOPERATION AMONG SAILORS OF ALL WALKS OF LIFE IN COMBINED PURSUIT OF THEIR INDIVIDUAL INDEPENDENCE. THE FOCUS OF THAT STRUGGLE, THE WHALE, SEEMINGLY SWIMS AWAY SUGGESTING AN OUTCOME THAT IS NOT KNOWN.
- THE TURBULENCE OF THE WATER REPRESENTS THE INSTABILITY AND DANGERS INHERENT IN THE LIVELIHOOD OF SAILING. THE SAILORS IN THIS IMAGE ARE SEEN STANDING ON THE WATER, AND THE HINT OF A DECK, SUGGESTING THEIR FATE AND SAFETY WERE ALWAYS IN QUESTION.
- THE SHIP IS A TYPICAL AMERICAN COMMERCIAL SCHOONER OF THE 1800'S WITH NUMEROUS SAILS AND RIGGING.
- THE TOWER OF THE BRIDGE IN THE BACKGROUND IS THE CURRENT SAILORS MEMORIAL BRIDGE. INSERTING THE CONCEPT OF 'HISTORIC DISSONANCE' WITH THE IMAGE OF THE CONTEMPORARY BRIDGE SUGGESTS THAT HISTORY IS NOT STATIC, THE STRUGGLES OF SAILORS REMAIN, AND PORTSMOUTH IS STILL A VITAL SEAPORT. THE BRIDGE WILL ALSO BE SEEN FROM THIS VIEW.

TERRENCE PARKER, ARTIST AND LANDSCAPE ARCHITECT

PUBLIC DECK: NARRATIVE FOR THE WEST END BAS RELIEF SCULPTURAL MURAL

JUST AS WITH THE PROPOSED EAST IMAGE, THE IMAGE ON THE WEST END OF THE DOCK EXTENSION HAS BEEN CONCEIVED AS A 'BAS RELIEF' SCULPTURE. THIS DESIGN IS ALSO BASED, IN PART, ON INFORMATION ABOUT THE HISTORY SAILORS, BOTH WHITE AND BLACK, CULLED FROM A BOOK CALLED, **BLACK JACKS** BY A UNH HISTORY PROFESSOR W. JEFFREY BOLSTER

THE WEST SCULPTURE WILL HAVE DIRECT ACCESS BY THE PUBLIC FROM A STAIR SYSTEM THAT EXTENDS FROM BOW STREET ONTO A PUBLIC DECK THAT LOOKS NORTH UP THE PISCATAQUA RIVER. THERE WILL OVER 32 LINEAR FEET OF BUILT-IN BENCHES ON THIS DECK. IN THIS IMAGE, A PROPOSED BENCH IS IN THE FOREGROUND AND RUNS THE LENGTH OF THE DOCK ABOUT 16'. THE SAILOR FIGURES ARE LIFE-SIZE AND STAND BEHIND THE BENCH AS THE TOURISTS SIT ON THE BENCH. A PERFECT 'SELFIE' OPPORTUNITY.

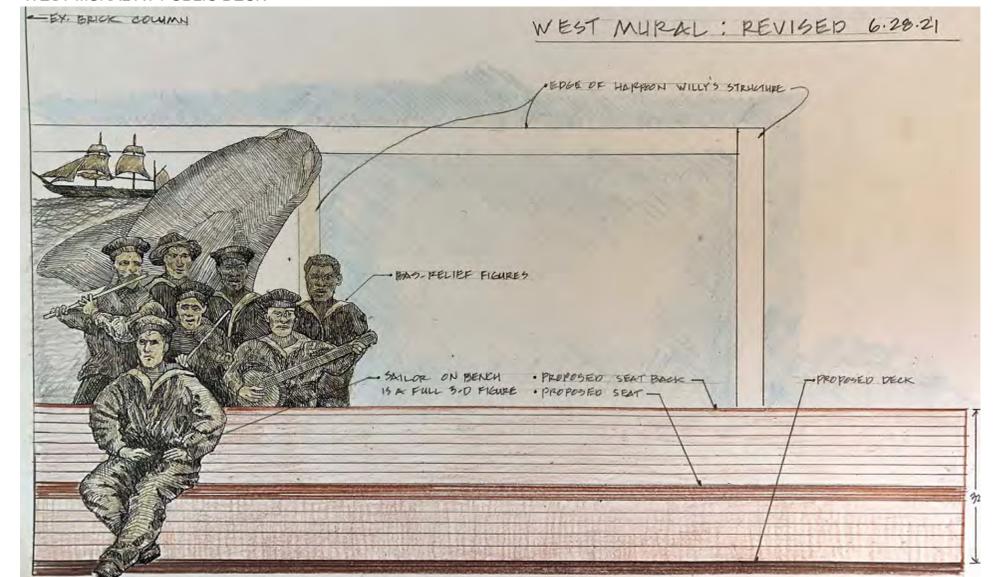
THE THEME OF THIS BAS RELIEF IS THAT OF SAILORS AT REST AND PLAY, THE OPPOSITE THEME OF THE EAST SCULPTURE. AS HARD AS SAILORS WORKED IN THIS DANGEROUS OCCUPATION, THERE WERE TIMES OF SLACK WIND OR EXTENDED PORT STAYS THAT ALLOWED SAILORS TIME TO RELAX. MUSIC WAS IMPORTANT TO SAILORS AND CONSEQUENTLY THEY INVENTED THE SHANTI WORK SONGS, SUNG TO AID IN COOPERATIVE TASKS SUCH AS LOADING AND UNLOADED THE VESSELS.

THE HISTORIC BOAT IN THE BACKGROUND IS ONE OF THE QUINTESSENTIAL VESSELS OF THE SHIPYARD, THE KEARSARGE, ORIGINALLY BUILT DURING THE CIVIL WAR HAS HAD NUMEROUS NAMESAKES BUILT SINCE THEN. AND FINALLY, EVEN THE WHALE, UNLIKE THE ONE BEING PURSUED IN THE EAST IMAGE, CAN BE SEEN FREE OF ENCUMBRANCES AS IT LEAPS OUT OF THE WATER HEADING OUT TO SEA.

TERRENCE PARKER, ARTIST AND LANDSCAPE ARCHITECT



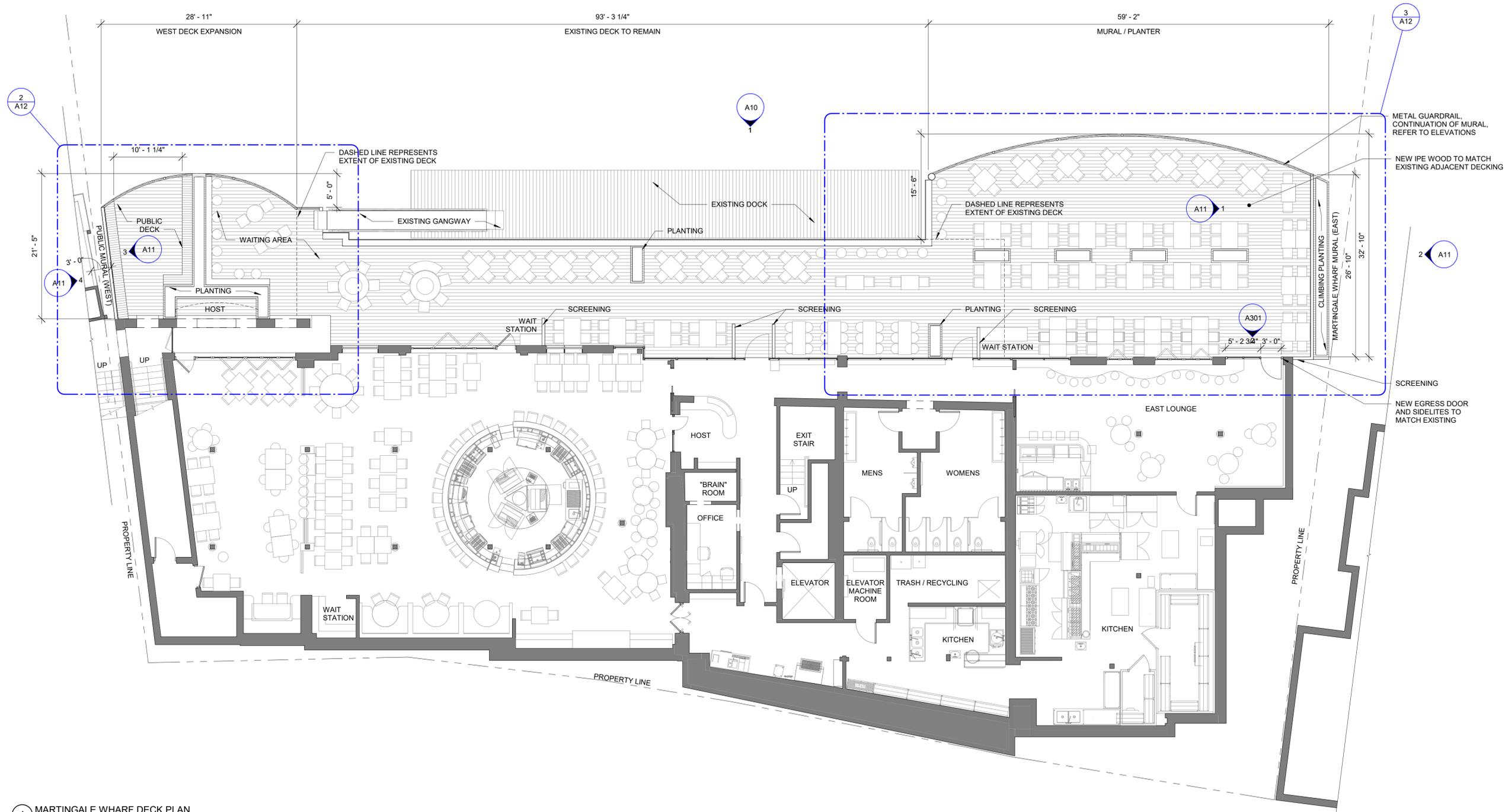
WEST MURAL AT PUBLIC DECK



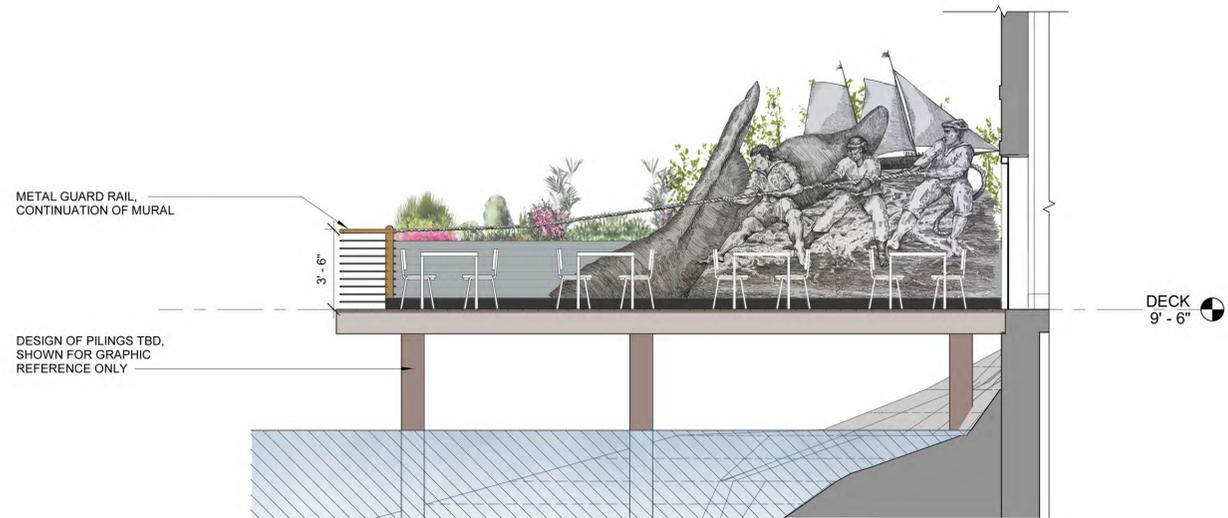
WEST MURAL AT PUBLIC DECK - SKETCH



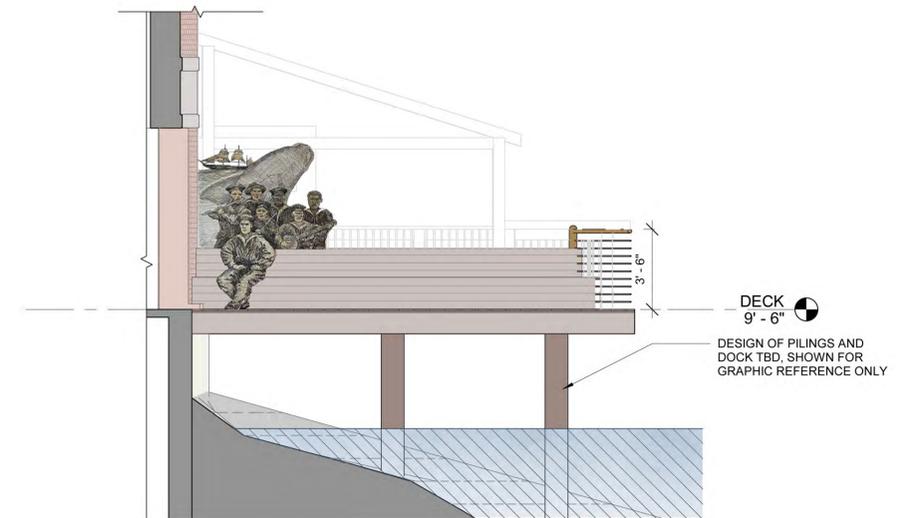
EAST MURAL AT MARTINGALE WHARF DECK - SKETCH



1 MARTINGALE WHARF DECK PLAN
1/8" = 1'-0"



1 ELEVATION AT MARTINGALE WHARF MURAL (LOOKING EAST)
1/4" = 1'-0"



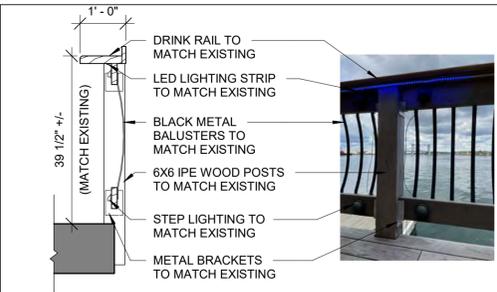
3 ELEVATION AT PUBLIC MURAL (LOOKING WEST)
1/4" = 1'-0"



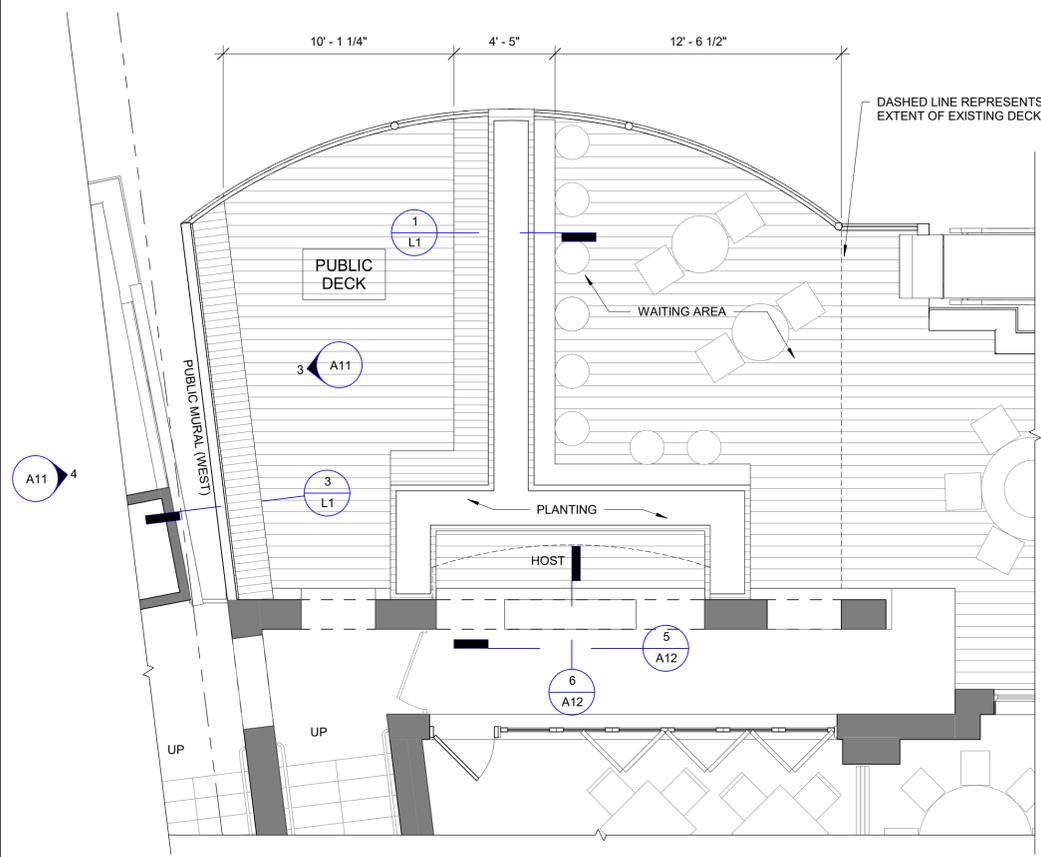
2 EAST ELEVATION (BACKSIDE OF MARTINGALE WHARF MURAL)
1/4" = 1'-0"



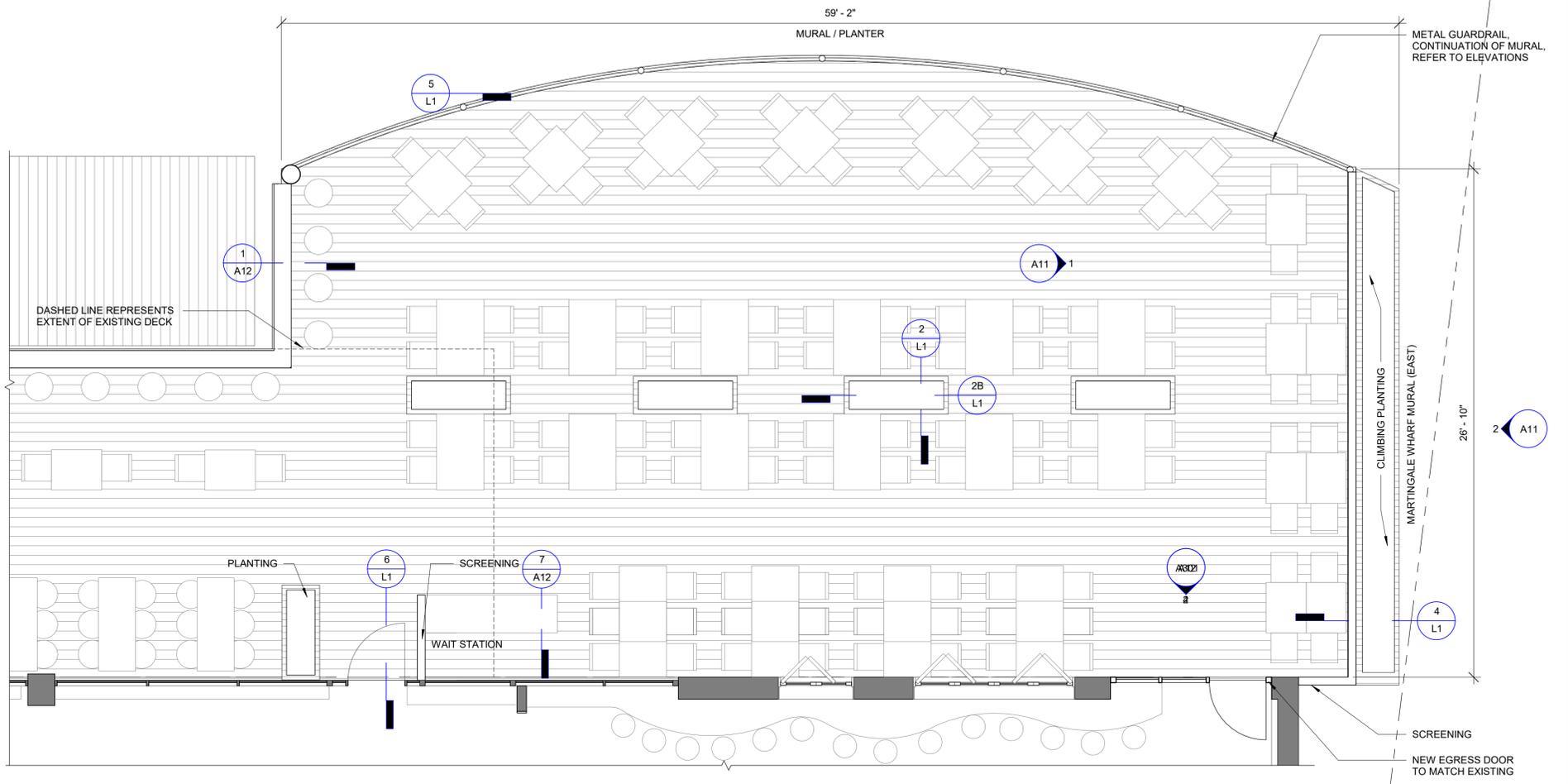
4 WEST ELEVATION (BACKSIDE OF PUBLIC DECK MURAL)
1/4" = 1'-0"



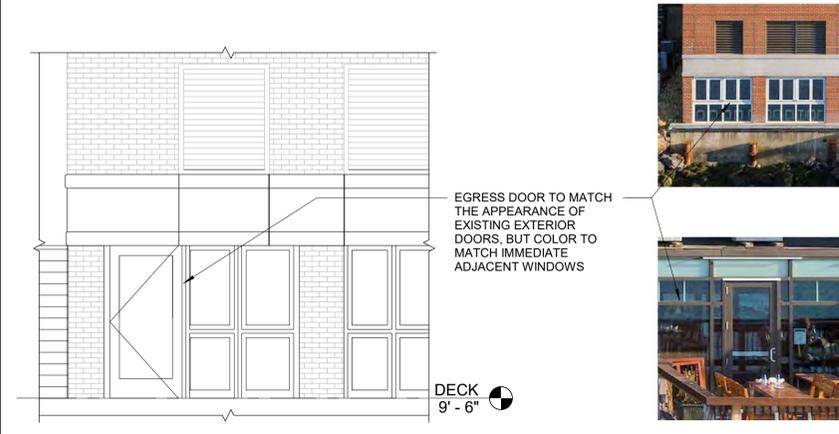
1 EXISTING DRINK RAIL EXTENSION SECTION DETAIL
1/2" = 1'-0"



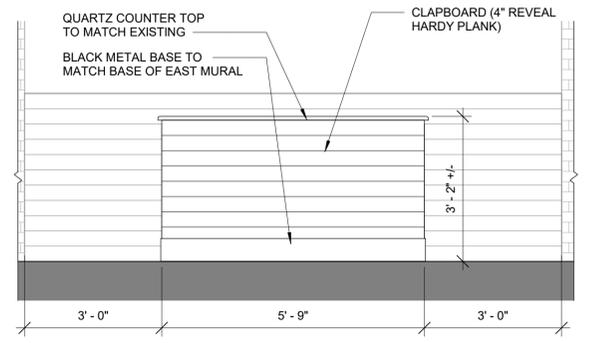
2 ENLARGED PUBLIC DECK PLAN
1/4" = 1'-0"



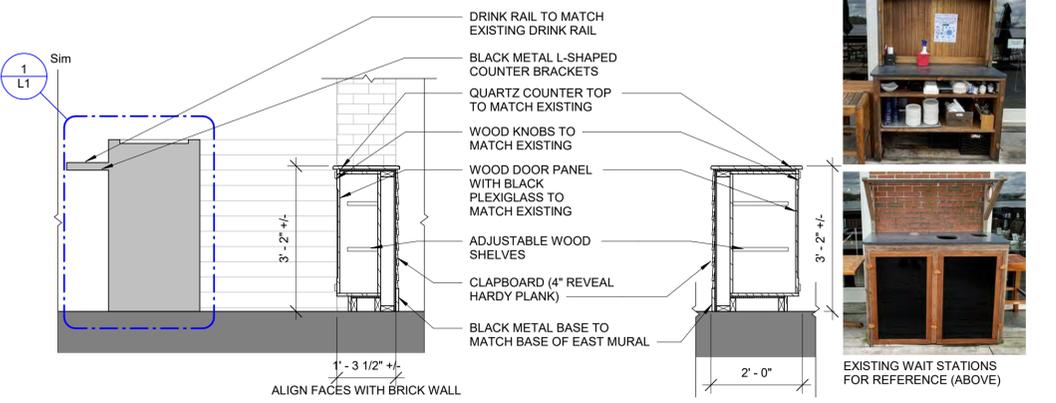
3 ENLARGED MARTINGALE WHARF DECK EXPANSION PLAN
1/4" = 1'-0"



4 EGRESS DOOR ELEVATION
1/4" = 1'-0"



5 ELEVATION AT HOST STATION
1/2" = 1'-0"



6 SECTION THROUGH HOST STATION
1/2" = 1'-0"

7 SECTION THROUGH TYPICAL WAIT STATION
1/2" = 1'-0"

Pitch LED Indoor/Outdoor Wall Sconce
By Tech Lighting

LUMENS
LIGHT AND LIVING
Call Us 877.445.4486

Product Options
Finish: ~~Black~~ **Bronze**
Voltage: 120 Volt, 277 Volt

Details

- May be mounted up or down
- Marine-grade powder coat finishes
- Stainless Steel mounting hardware
- Impact-resistant, UV stabilized frosted acrylic lensing
- Material: Die-Cast Metal
- ADA compliant, Dark Sky compliant, Title 24 compliant
- ETL Listed Wet
- Marine Grade
- Warranty: 5 years
- Made in China

Dimensions
120 Volt Option Fixture: Width 5", Height 5", Depth 3.9", Weight 1.66Lbs
277 Volt Option Fixture: Width 5", Height 5", Depth 3.9", Weight 1.66Lbs

Lighting

- 120 Volt Option: 261 Watt (823 Lumens) 120 Volt Integrated LED; CRI: 80 Color Temp: 3000K Lifespan: 70000 hours
- 277 Volt Option: 261 Watt (823 Lumens) 277 Volt Integrated LED; CRI: 80 Color Temp: 3000K Lifespan: 70000 hours

Additional Details
Product URL: <https://www.lumens.com/pitch-led-indoor-outdoor-wall-sconce-by-tech-lighting-TECP90024.html>
Rating: ETL Listed Wet

Product ID: TECP90024

Notes:
OR EQUAL

WALL SCONCE AT DECK PERIMETER - OR EQUAL

Norfolk Outdoor Wall Sconce
By Troy Lighting

LUMENS
LIGHT AND LIVING
Call Us 877.445.4486

Product Options
Size: ~~Small~~ **Medium**

Details

- Finish: Marine Bronze
- Material: Solid Brass
- Shade Material: Frosted Pressed Prismatic glass
- ADA compliant
- UL Listed Wet
- Made in China

Dimensions
Small Option Fixture: Depth 3", Diameter 8"
Medium Option Fixture: Depth 3.5", Diameter 10"
Large Option Fixture: Depth 4.5", Diameter 13"

Lighting

- Small Option: One 40 Watt (384 Lumens) 120 Volt E12 Candelabra Base Incandescent Lamp(s) (Not Included)
- Medium Option: Two 40 Watt (384 Lumens) 120 Volt E12 Candelabra Base Incandescent Lamp(s) (Not Included)
- Large Option: Two 60 Watt (672 Lumens) 120 Volt E12 Candelabra Base Incandescent Lamp(s) (Not Included)

Additional Details
Product URL: <https://www.lumens.com/norfolk-outdoor-wall-sconce-by-troy-lighting-uu466059.html>
Rating: UL Listed Wet

Product ID: uu466059

Notes:
OR EQUAL

WALL SCONCE AT BUILDING - OR EQUAL

Thin-Line LED Wall Bar
By SONNEMAN Lighting

LUMENS
LIGHT AND LIVING
Call Us 877.445.4486

Product Options
Finish: ~~Black~~ **Satin White**
Size: 3, 4, 6, 8
Lighting Option: indirect, One-Sided, Two-Sided

Details

- One-sided configuration can be installed as a downlight or uplight
- Can be mounted horizontally or vertically
- Dimmable when used with TRIAC or ELV dimmers (not included)
- Temp rated for indoor use only
- Designed by Robert Sommer in 2018
- Material: Metal
- Shade Material: Optical Acrylic
- ADA compliant
- UL Listed
- Warranty: Limited 1 Year
- Made in China

Dimensions
3 Option Backplate: Width 1", Height 1"
3 Option Fixture: Width 30", Height 0.75", Depth 3.5", Weight 4Lbs
3 Option Shade: Width 30", Height 1", Depth 0.75"
4 Option Backplate: Width 1", Height 1"
4 Option Fixture: Width 48", Height 0.75", Depth 3.5", Weight 7Lbs
4 Option Shade: Width 48", Height 1", Depth 0.75"
6 Option Backplate: Width 1", Height 1"
6 Option Fixture: Width 72", Height 0.75", Depth 3.5", Weight 9Lbs
6 Option Shade: Width 72", Height 1", Depth 0.75"
8 Option Backplate: Width 1", Height 1"
8 Option Fixture: Width 96", Height 0.75", Depth 3.5", Weight 12Lbs
8 Option Shade: Width 96", Height 1", Depth 0.75"

Lighting

- 3 Option: 18 Watt (110 Lumens) 120 Volt Integrated LED; Color Temp: 3000K
- 3 Option: 36 Watt (220 Lumens) 120 Volt Integrated LED; Color Temp: 3000K
- 4 Option: 22 Watt (1450 Lumens) 120 Volt Integrated LED; Color Temp: 3000K
- 4 Option: 44 Watt (2900 Lumens) 120 Volt Integrated LED; Color Temp: 3000K
- 6 Option: 36 Watt (2220 Lumens) 120 Volt Integrated LED; Color Temp: 3000K
- 6 Option: 72 Watt (4440 Lumens) 120 Volt Integrated LED; Color Temp: 3000K
- 8 Option: 47 Watt (3020 Lumens) 120 Volt Integrated LED; Color Temp: 3000K
- 8 Option: 94 Watt (6040 Lumens) 120 Volt Integrated LED; Color Temp: 3000K

Additional Details
Product URL: <https://www.lumens.com/thin-line-led-wall-bar-by-sonneman-lighting-SNPN202253.html>
Rating: UL Listed

Product ID: SNPN202253

Notes:
EXTERIOR RATED EQUAL

LINEAR WALL MOUNTED LIGHTING AT BUILDING TO MATCH EXISTING



PL23DM Outdoor LED Path Light
By Focus Industries

LUMENS
LIGHT AND LIVING
Call Us 877.445.4486

Product Options
Finish: ~~Black Texture~~ **Bronze Texture**

Details

- LED Lifespan: 50000 hours
- Driver is included
- Material: Aluminum
- ETL Listed Wet
- Warranty: Limited 5 Year
- Made in USA

Dimensions
Fixture: Width 2.25", Height 18", Depth 2.25", Weight 2.1Lbs

Lighting

- 4 Watt (300 Lumens) 12 Volt Integrated LED; CRI: 90 Color Temp: 3000K

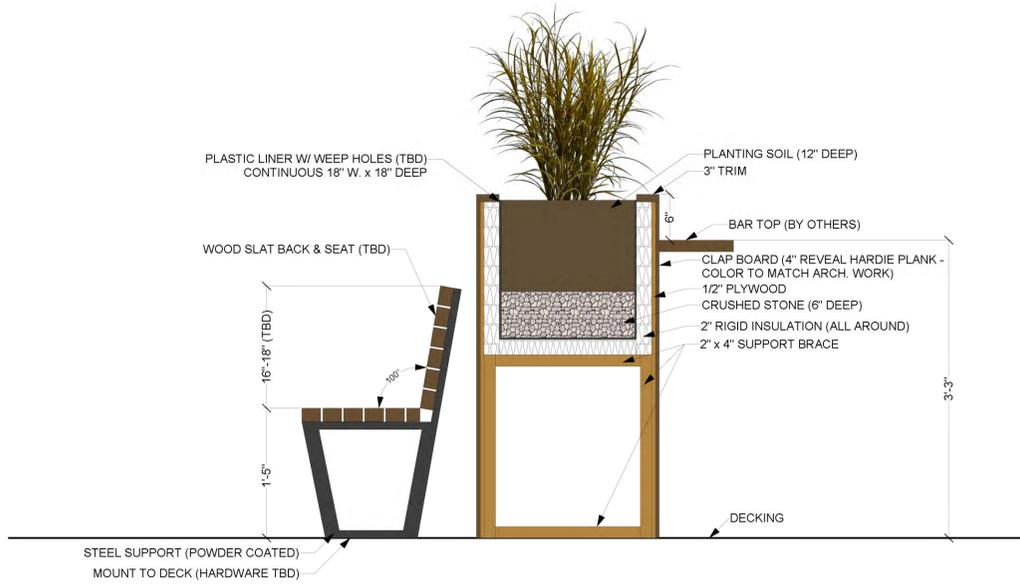
Additional Details
Product URL: <https://www.lumens.com/pl23dm-outdoor-led-path-light-by-focus-industries-FOCP309793.html>
Rating: ETL Listed Wet

Product ID: FOCP309793

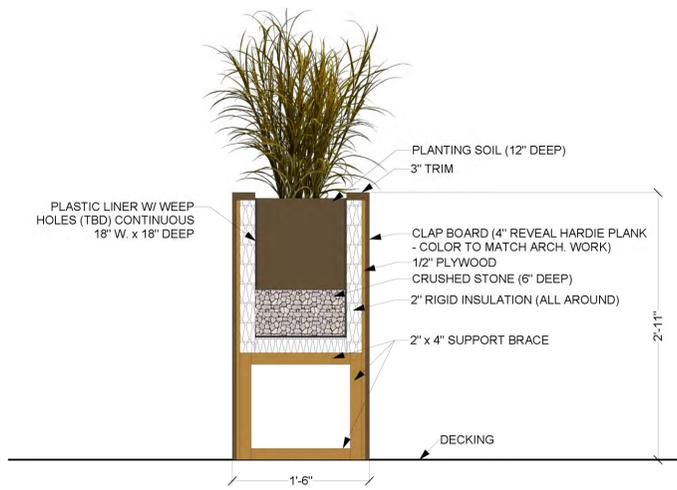
Notes:
OR EQUAL

AMBIENT PLANTER DOWNLIGHTS - OR EQUAL

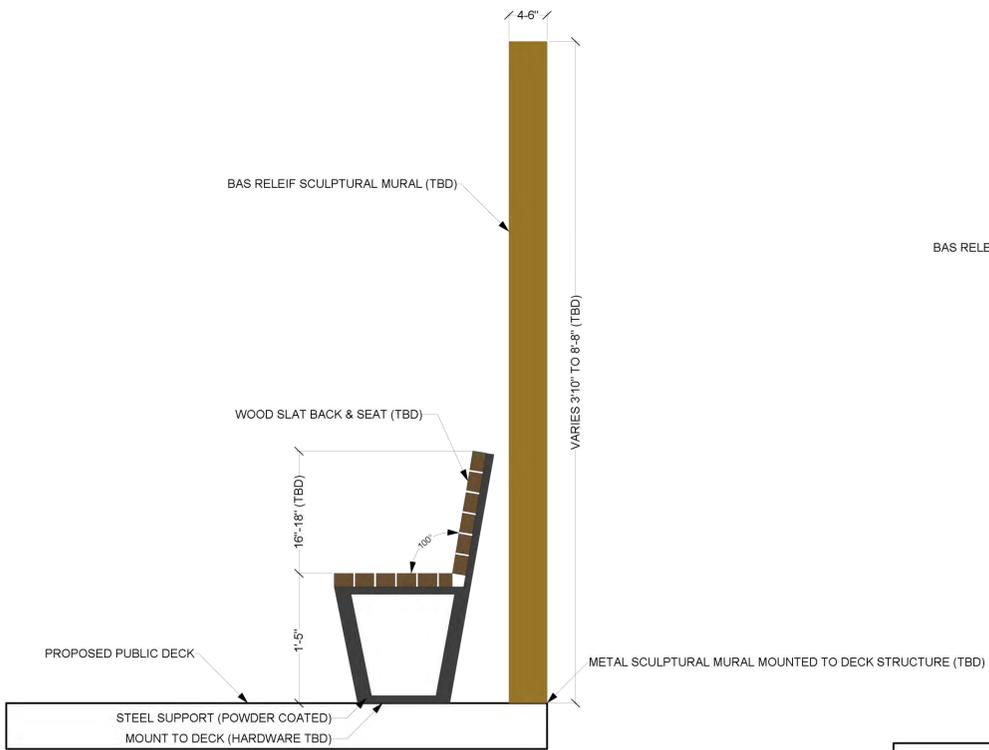
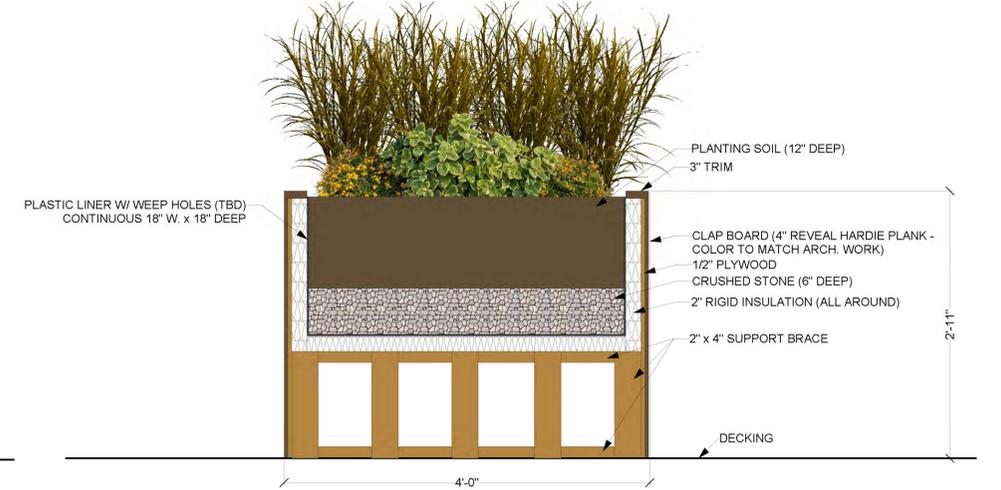




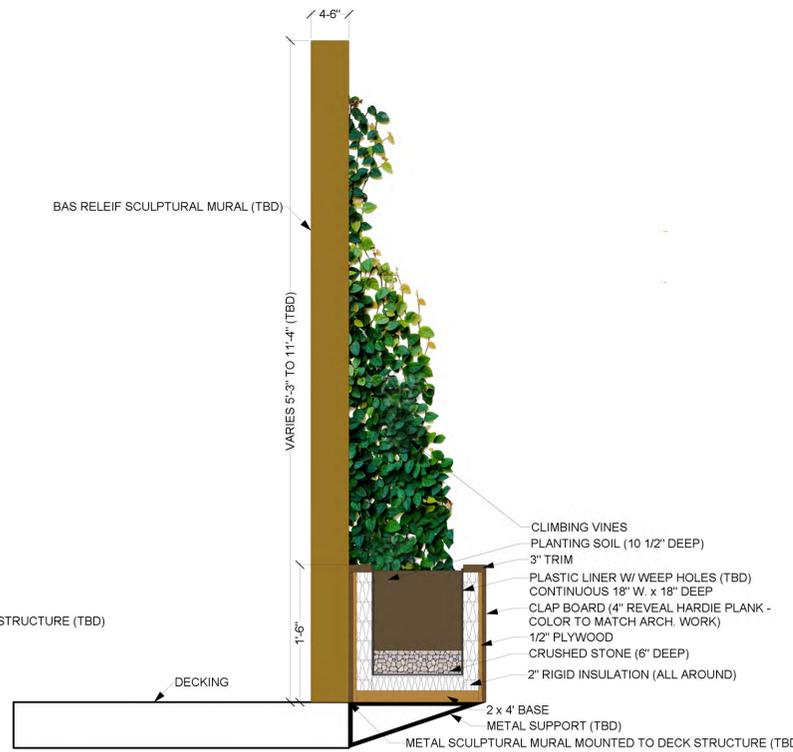
1 PLANTING BOX AND BAR DETAIL
L-1 SCALE: 1"=1'-0"



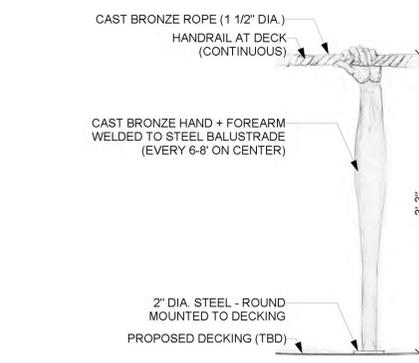
2 SOLITARY PLANTER (18" W. x 48" L. x 35" HT.)
L-1 SCALE: 1"=1'-0"



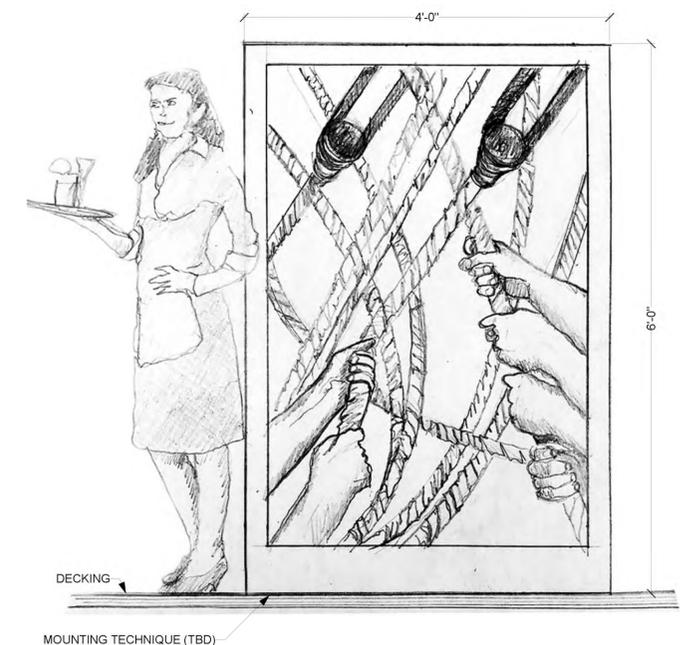
3 WEST BENCH AND MURAL DETAIL
L-1 SCALE: 1"=1'-0"



4 EAST BENCH AND MURAL DETAIL
L-1 SCALE: 1"=1'-0"



5 BALUSTRADE DETAIL
L-1 SCALE: 1"=1'-0"



6 METAL SCREEN PARTITION AT WAITRESS STAND
L-1 SCALE: 1"=1'-0"