State of Rhode Island
Coastal Resources Management Council
Oliver H. Stedman Government Center
4808 Tower Hill Road, Suite 3
Wakefield, RI 02879-1900

(401) 783-3370
Fax (401) 783-2069

PUBLIC NOTICE

File Number: 2025-02-072 Date: April 14, 2025

This office has under consideration the application of:

City of Newport
c/o Stephen Land, Harbor Master
43 Broadway
Newport, RI 02840

for a State of Rhode Island Assent to construct and maintain:

a new 420ft bulkhead approximately 2ft seaward of the existing bulkhead. In addition, a portion of the existing municipal floating concrete dock will be demolished and replaced in a similar size and configuration. No variance is required.

Project Location:	39 America's Cup Avenue
City/Town:	Newport
Plat/Lot:	Plat 24, lot 348
Waterway:	Newport Harbor

Plans of the proposed work can be requested at Cstaff1@crmc.ri.gov.

In accordance with the Administrative Procedures Act (Chapter 42-35 of the Rhode Island General Laws) you may request a hearing on this matter.

You are advised that if you have good reason to enter protests against the proposed work it is your privilege to do so. It is expected that objectors will review the application and plans thoroughly, visit site of proposed work if necessary, to familiarize themselves with the conditions and cite what law or laws, if any, would in their opinion be violated by the work proposed.

If you desire to protest, you must attend the scheduled hearing and give sworn testimony. A notice of the time and place of such hearing will be furnished you as soon as possible after receipt of your request for hearing. If you desire to request a hearing, to receive consideration, it should be in writing (**with your correct mailing address**, **e-mail address and valid contact number**) and be received at this office on or before **May 14, 2025**.

Please email your comments/hearing requests to: cstaff1@crmc.ri.gov; or mail via USPS to: Coastal Resources Management Council; O. S. Government Center, 4808 Tower Hill Road, Rm 116; Wakefield, RI 02879.

/lat

PERROTTI PARK SEAWALL AND HARBOR WALK

CITY OF NEWPORT

NEWPORT, RHODE ISLAND

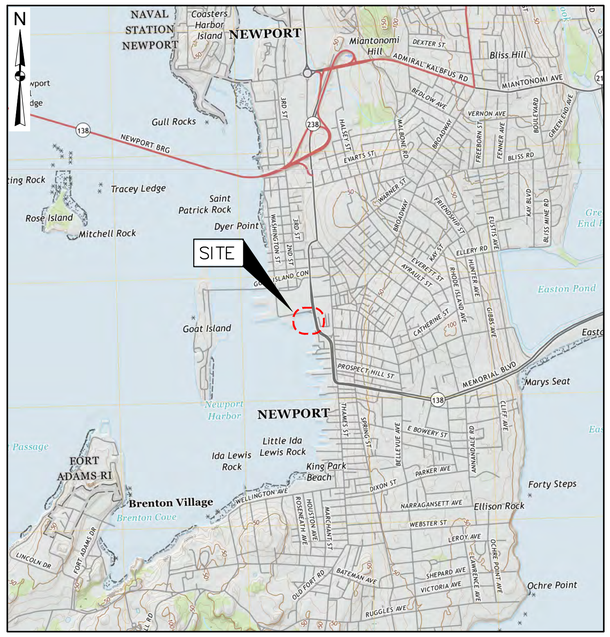
FEBRUARY, 2025

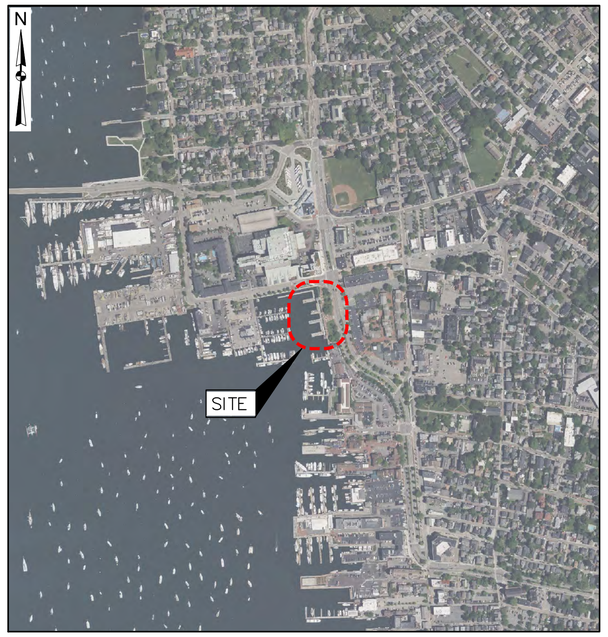
PREPARED FOR:

City of Newport
RHODE ISLAND
Settled 1639

DESIGNED BY:

GZA GEOENVIRONMENTAL, INC.
188 VALLEY ST. SUITE 300
PROVIDENCE RHODE ISLAND, 02909





INDEX OF DRAWINGS

SHEET No.	SHEET TITLE
1	COVER SHEET AND INDEX OF DRAWINGS
2	GENERAL NOTES
3	EXISTING CONDITIONS PLAN
4	EXISTING EXPLORATION PROFILES
5	EXISTING CONDITIONS DETAILS
6	TEMPORARY CONTROLS PLAN
7	TEMPORARY CONTROLS DETAILS
8	DEMOLITION PLAN
9	DEMOLITION SECTIONS
10	PROPOSED BULKHEAD AND ANCHOR PLAN
11	PROPOSED CONDITIONS SECTIONS
12	PROPOSED CONDITIONS DETAILS
13	INTERIM CONDITIONS PLAN
14	LANDSCAPE PLAN

PROJECT LOCUS MAP

0 1000' 2000' 4000' 6000'
SCALE IN FEET 1" = 2000'

SOURCE: BASE MAP FROM THE FOLLOWING USGS QUADRANGLE MAP:
NEWPORT, RHODE ISLAND (2021)
DIGITAL TOPOGRAPHIC MAPS PROVIDED BY USGSSTORE.GOV.
CONTOUR ELEVATIONS REFERENCE NAVD 88,
CONTOURS ARE SHOWN IN FEET AT 10 FOOT INTERVALS

RHODE ISLAND

PROJECT VICINITY MAP

0 250' 500' 1000' 1500'
500'

BASE MAP DEVELOPED FROM RIGIS AERIAL IMAGERY
PUBLISHED IN APRIL 2019.

DESIGN–BUILD CONCEPT
FOR BIDDING PURPOSES ONLY

GENERAL NOTES:

1. THE LOCATION OF EXISTING UNDERGROUND UTILITIES SHOWN IS APPROXIMATE AND HAS NOT BEEN VERIFIED. THE DRAWINGS MAKE NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. THE DRAWINGS DO NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. D/B CONTRACTOR SHALL PERFORM SURVEY TO VERIFY / LOCATE UTILITIES PRIOR TO START OF CONSTRUCTION.
2. PRE-MARK WORK AREA AND CALL DIG SAFE® (811 OR 888-344-723) TO NOTIFY MEMBER UTILITIES. PRIOR TO NOTIFYING DIG SAFE®, THE EXCAVATIONS MUST BE PRE-MARKED WITH WHITE PAINT. HAVE THE SITE MARKED AND DIG SAFE® NOTIFIED AT LEAST FIVE DAYS (EXCLUDING SATURDAYS, SUNDAYS AND HOLIDAYS) PRIOR TO ANY EXCAVATION OR DEMOLITION. THE CONTRACTOR SHALL COORDINATE ALL UTILITY WORK WITH THE APPROPRIATE UTILITY COMPANY REPRESENTATIVES.
3. CHECK AND VERIFY LOCATIONS AND ELEVATIONS OF ALL UTILITIES, BOTH UNDERGROUND AND OVERHEAD, BEFORE BEGINNING WORK. CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO PROTECT ALL UNDERGROUND UTILITIES DURING EXCAVATION AT THE SITE.
4. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, ELEVATIONS AND DIMENSIONS IN THE FIELD BEFORE ORDERING ANY MATERIAL, COMMENCING ANY FABRICATION OR PERFORMING ANY WORK. THE CONTRACTOR SHALL NOTIFY THE OWNER AND OWNERS REPRESENTATIVE, IN WRITING, OF ANY CONDITIONS, ELEVATIONS OR DIMENSIONS THAT VARY FROM THOSE SHOWN ON THE DRAWINGS PRIOR TO THE START OF CONSTRUCTION.
5. THE TEMPORARY CONTROLS SHALL BE INSTALLED PRIOR TO THE START OF THE WORK AND BE MAINTAINED THROUGHOUT CONSTRUCTION.
6. EXERCISE ALL NECESSARY CARE TO PREVENT ANY DAMAGE TO UTILITIES, EXISTING STRUCTURES OR NEW STRUCTURES. IF CONTRACTOR DAMAGES UTILITIES, EXISTING STRUCTURES OR NEW STRUCTURES, CONTRACTOR SHALL IMMEDIATELY NOTIFY OWNER AND OWNERS REPRESENTATIVE. CONTRACTOR SHALL RESTORE THE DAMAGES TO THEIR PRE-CONSTRUCTION CONDITIONS IN ACCORDANCE WITH CONTRACT DOCUMENTS AT NO ADDITIONAL COST TO OWNER.
7. PROVIDE ALL MATERIALS, EQUIPMENT AND TOOLS NECESSARY TO COMPLETE THE WORK. THE OWNER WILL NOT PROVIDE SECURITY AND ASSUMES NO RESPONSIBILITY OR LIABILITY FOR ANY MATERIALS, EQUIPMENT OR TOOLS STORED AT ITS PROPERTY.
8. ALL TYPES OF WASTE GENERATED AT THE SITE SHALL BE DISPOSED OF IN A MANNER CONSISTENT WITH FEDERAL, STATE AND LOCAL REGULATIONS AND CONTRACT DOCUMENTS.
9. THE CONTRACTOR SHALL NOTIFY THE OWNER WHEN UNANTICIPATED OR APPARENTLY DANGEROUS CONDITIONS ARE UNCOVERED DURING CONSTRUCTION OR DEMOLITION.
10. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ERECTION PROCEDURES AND SEQUENCE ERECTION TO ENSURE THE SAFETY OF THE FACILITIES AND THEIR COMPONENTS DURING DEMOLITION AND ERECTION. THIS MAY INCLUDE THE ADDITION OF NECESSARY SHORING AND TEMPORARY BRACING.
11. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, TRAINING, CERTIFICATES AND PROTECTIVE MEASURES, AS SPECIFIED AND REQUIRED TO COMPLY WITH CONTRACTOR'S OBLIGATIONS UNDER THIS CONTRACT FOR SAFETY AND PROTECTION OF PERSONNEL AND PROPERTY.
12. CONTRACTOR SHALL AT ALL TIMES BE SOLELY RESPONSIBLE FOR EXERCISING REASONABLE PRECAUTION TO PROTECT THE HEALTH, SAFETY AND WELFARE OF ALL ON-SITE PERSONNEL, THE PUBLIC AND THE ENVIRONMENT DURING PERFORMANCE OF THE WORK DESCRIBED WITHIN THE CONTRACT DOCUMENTS. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE PROVISIONS OF FEDERAL, STATE AND LOCAL HEALTH AND SAFETY AND OCCUPATIONAL HEALTH AND SAFETY STATUTES AND CODES.
13. THE CONTRACT DOCUMENTS INDICATE INFORMATION AVAILABLE RELATIVE TO SUBSURFACE CONDITIONS AT THE SITE. SUCH INFORMATION AND DATA ARE NOT INTENDED AS A REPRESENTATION OR WARRANTY OF CONTINUITY OF CONDITIONS BETWEEN SOIL BORINGS OR TEST PITS, NOR OF GROUNDWATER LEVELS AT DATES AND TIMES OTHER THAN DATE AND TIME WHEN MEASURED, NOR THAT PURPOSE OF OBTAINING THE INFORMATION AND DATA WERE APPROPRIATE FOR USE BY CONTRACTOR. OWNER AND OWNERS REPRESENTATIVE WILL NOT BE RESPONSIBLE FOR INTERPRETATIONS OR CONCLUSIONS DRAWN THEREFROM BY CONTRACTOR.
14. SOIL BORINGS AND OTHER EXPLORATORY OPERATIONS MAY BE MADE BY CONTRACTOR, AT NO ADDITIONAL COST TO OWNER. COORDINATE CONTRACTOR-PERFORMED TEST BORINGS AND OTHER EXPLORATORY OPERATIONS WITH THE OWNER, UTILITY OWNERS AND OTHERS AS APPROPRIATE. PERFORM SUCH EXPLORATIONS WITHOUT DISRUPTING OR OTHERWISE ADVERSELY AFFECTING OPERATIONS OF OWNER, UTILITY OWNERS OR OTHERS. COMPLY WITH LAWS AND REGULATIONS RELATIVE TO REQUIRED NOTIFICATIONS.

TEMPORARY CONTROLS:

1. TEMPORARY CONTROLS SHALL BE INSTALLED, AS SHOWN ON THE DRAWINGS AND IN ACCORDANCE WITH PERMIT REQUIREMENTS PRIOR TO THE START OF WORK AND BE MAINTAINED THROUGHOUT CONSTRUCTION.

DEMOLITION:

1. DEMOLITION AND DISPOSAL OF ALL WASTE MATERIAL SHALL BE IN ACCORDANCE WITH THE SPECIFICATION AND CONSISTENT WITH FEDERAL, STATE, AND LOCAL REGULATIONS.
2. STOCKPILE ALL REMOVED SOIL ON SITE OR AT A LOCATION DIRECTED BY THE OWNER FOR USE-USE.
3. STANDARD DUST CONTROL MEASURES, INCLUDING THE USE OF WATER MIST AND OTHER SUITABLE METHODS TO LIMIT THE SPREAD OF DUST SHALL BE USED AS NECESSARY, TO COMPLY WITH GOVERNING ENVIRONMENTAL PROTECTION REGULATIONS. DO NOT USE WATER WHERE IT MAY CREATE HAZARDOUS OR OGJECTIONABLE CONDITIONS SUCH AS ICE, FLOODING AND POLLUTION.

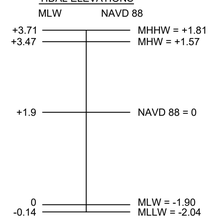
REFERENCE NOTES:

1. EXISTING CONDITIONS PLAN, TOPOGRAPHICS, AND UTILITIES BASED ON "RIDOT NEWPORT MARINE FACILITES LONG WHARF / PERROTTI PARK" DWG SET BY LOUIS BERGER & ASSOCIATES INC. 1998, AND SUPPLEMENTAL GPS DATA COLLECTED BY GZA IN 2023.
2. BATHEMETRY BASED ON HYDROGRPHIC DATA COLLECTED BY BOURNE CONSULTING ENGINEERING IN JULY 2008 AND CONVERTED TO NAVD88

SURVEY AND PROJECT DATUM:

1. ALL ELEVATIONS SHOWN ON PLANS ARE IN U.S. FEET AND REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
2. COORDINATES ARE BASED ON NORTH AMERICAN DATUM OF 1983 (NAD83), RHODE ISLAND STATE PLANE. EASTERN ZONE, U.S. FEET (RI83-EF).
3. CONTRACTOR SHALL MAINTAIN ADEQUATE SURVEY CONTROL AT ALL TIMES TO ESTABLISH AND MAINTAIN ALL LINES AND ELEVATIONS.

TIDAL ELEVATIONS



NOTE:
TIDAL ELEVATIONS ARE REFERENCED TO NOAA STATION #8452660, NEWPORT, RI.

4. TO CONVERT NGVD29 TO VAVD88 (EL: NAVD88 = EL: NGVD29 -0.89.

LEGEND

- BENCHMARK / CONTROL POINT (CP)
- PROPERTY LINE
- INTERIOR PROPERTY LINE
- EXISTING CONTOURS (MAJOR)
- EXISTING CONTOURS (MINOR)
- FLOATING TURBIDITY CURTAIN AND OIL ABSORBENT BOOM
- FILTREXX (R) SILT SOXX (OR EQUAL)
- MEAN LOW WATER LINE
- MEAN HIGH WATER LINE
- LIMIT OF WORK
- 30 FT SURCHARGE OFFSET
- TEMPORARY FENCE LINE
- EXISTING GATES
- NEW GATES
- EXISTING STRUCTURES
- JERSEY BARRIER
- JERSEY BARRIER WITH FENCE

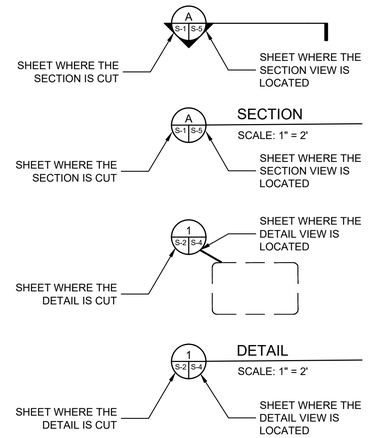
UTILITIES LEGEND:

- EXISTING OVERHEAD WIRES
- EXISTING WATER LINE
- ABOVE GROUND FORCE MAIN
- EXISTING ELECTRICAL LINE
- EXISTING GAS LINE
- EXISTING TELECOMMUNICATIONS
- ABANDONED WATER LINE
- EXISTING WATER MANHOLE
- EXISTING ELECTRICAL MANHOLE
- EXISTING UTILITY MANHOLE
- EXISTING TELEPHONE MANHOLE
- EXISTING STORMWATER MANHOLE
- EXISTING UTILITY POLE
- EXISTING HYDRANT
- EXISTING LIGHT POST

ABBREVIATIONS AND ACRONYMS

DIA.	DIAMETER
C.I.	CAST IRON
D.I.	DUCTILE IRON
EL.	ELEVATION
HASP	HEALTH AND SAFETY PLAN
HDPE	HIGH-DENSITY POLYETHYLENE
INV.	INVERT
MHHW	MEAN HIGH, HIGH WATER
MHW	MEAN HIGH WATER
MIN.	MINIMUM
MLLW	MEAN LOW, LOW WATER
MLW	MEAN LOW WATER
NOAA	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
OHW	OVERHEAD WIRES
PCP	PRE-CAST PIPE
STA.	STATION
TYP.	TYPICAL
N / F	NON OR FORMERLY

ANNOTATIONS AND LABELS



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PREPARED FOR:
City of Newport
RHODE ISLAND
Settled 1639

DESIGN–BUILD CONCEPT
FOR BIDDING PURPOSES ONLY

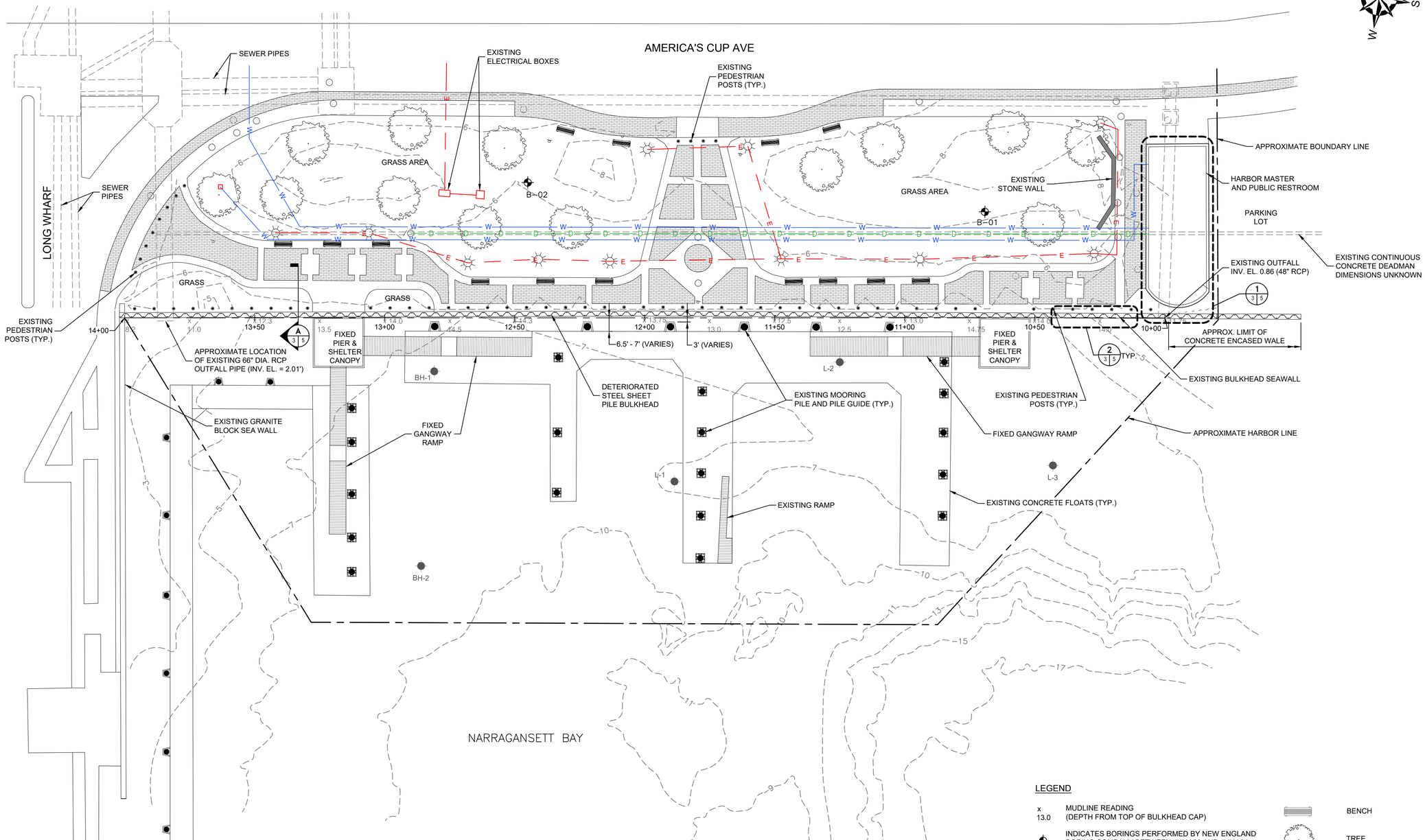
REV	DESCRIPTION	DATE	BY

PROJECT NO:	35242.00
DATE:	FEBRUARY, 2025
PROJECT MGR:	TWS
DESIGNED BY:	JTF
DRAWN BY:	GRB
CHECKED BY:	TWS
REVIEWED BY:	MJP
SCALE:	AS NOTED
REVISION NO.	

PEROTTI PARK
AMERICA'S CUP AVE
NEWPORT, RHODE ISLAND

GENERAL NOTES

DRAWING
2
SHEET NO. 2 OF 14



0 10' 20' 40' 60'
SCALE IN FEET 1" = 20'

NOTES:

1. EXISTING CONDITIONS PLAN, TOPOGRAPHICS, AND UTILITIES BASED ON "RIDOT NEWPORT MARINE FACILITES LONG WHARF / PERROTTI PARK" DWG SET BY LOUIS BERGER & ASSOCIATES INC. 1998, AND SUPPLEMENTAL GPS DATA COLLECTED BY GZA IN 2023.
2. BATHEMETRY BASED ON HYDROGRPHIC DATA COLLECTED BY BOURNE CONSULTING ENGINEERING IN JULY 2008 AND CONVERTED TO NAVD88.

LEGEND

x 13.0	MUDLINE READING (DEPTH FROM TOP OF BULKHEAD CAP)		BENCH
GZ-1	INDICATES BORINGS PERFORMED BY NEW ENGLAND BORING COMPANY BETWEEN JULY 26 AND JULY 31, 2023 AND OBSERVED BY GZA PERSONNEL.		TREE
L-1	EXISTING BORINGS DRILLED IN 1998		BRICK WALKWAY
BH-1	EXISTING BORINGS DRILLED IN 2008	W	WATER LINE
	LIGHT POST	D D	SEWER-DRAIN LINE
	SIGN	E	ELECTRICAL LINE
	MANHOLE		

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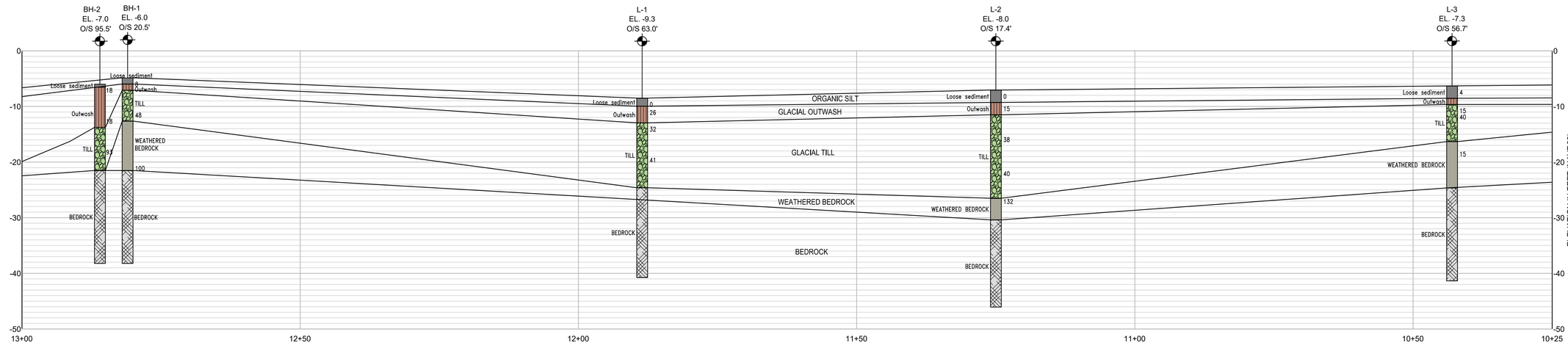
PEROTTI PARK
AMERICA'S CUP AVE
NEWPORT, RHODE ISLAND

EXISTING CONDITIONS AND UTILITY PLAN

DRAWING
3
SHEET NO. 3 OF 14

INLAND SOIL PROFILE - SECTION A-A'

VERTICAL SCALE IN FEET
0 5 10 20
0 5 10 20
HORIZONTAL SCALE IN FEET



OUTBOARD SOIL PROFILE - SECTION B-B'

VERTICAL SCALE IN FEET
0 5 10 20
0 5 10 20
HORIZONTAL SCALE IN FEET

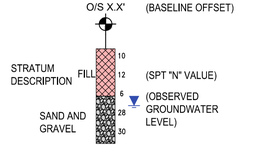
NOTES:

1. STRATIFICATION LINES ARE BASED ON INTERPOLATION BETWEEN WIDELY SPACED BORING LOCATIONS AND THUS REPRESENT THE APPROXIMATE BOUNDARIES BETWEEN SOIL TYPES. ACTUAL TRANSITIONS MAY VARY FROM THOSE SHOWN
2. ALL ELEVATIONS SHOWN ON PLANS ARE IN U.S. FEET AND REFERENCE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
3. MEAN HIGH WATER = +1.57 FEET, MEAN LOW WATER = - 1.90 FEET.
4. TIDAL DATUM BASED UPON NOAA STATION 8452660.
5. REFER TO BORING LOGS FOR GROUNDWATER LEVELS MEASURED AT THE TIME OF EXPLORATION.

SUBSURFACE STRATIGRAPHY LEGEND

- FILL (MADE GROUND)
- SILTY SAND
- GLACIAL TILL
- ORGANIC SILT
- GLACIAL OUTWASH
- WEATHERED BEDROCK
- BEDROCK

BOREHOLE LEGEND



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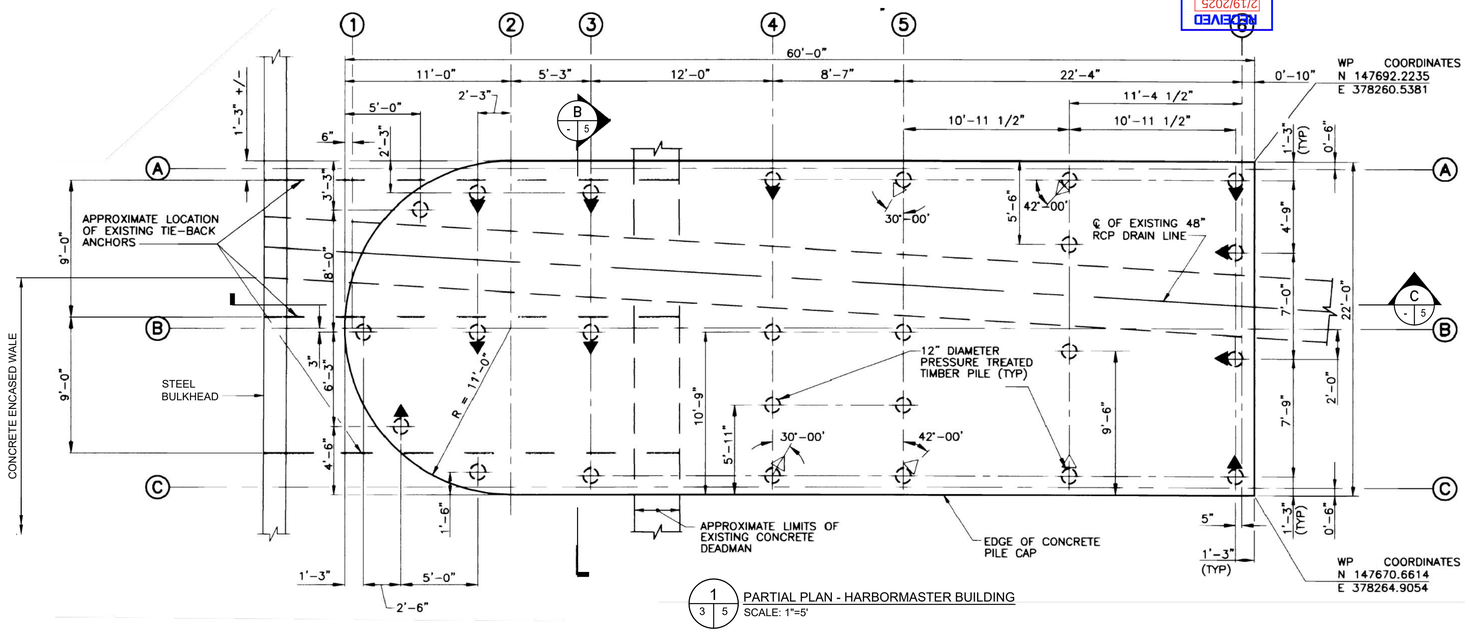
PEROTTI PARK
AMERICA'S CUP AVE
NEWPORT, RHODE ISLAND

EXISTING EXPLORATION PROFILES

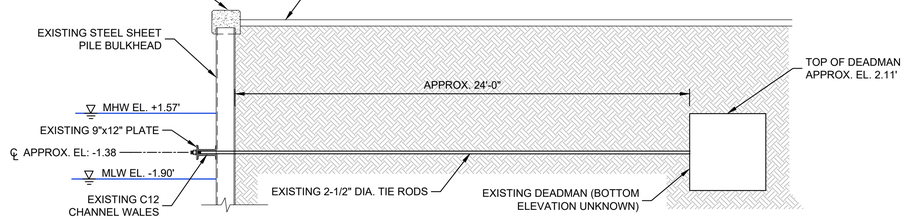
DRAWING
4
SHEET NO. 4 OF 14

NOTES:

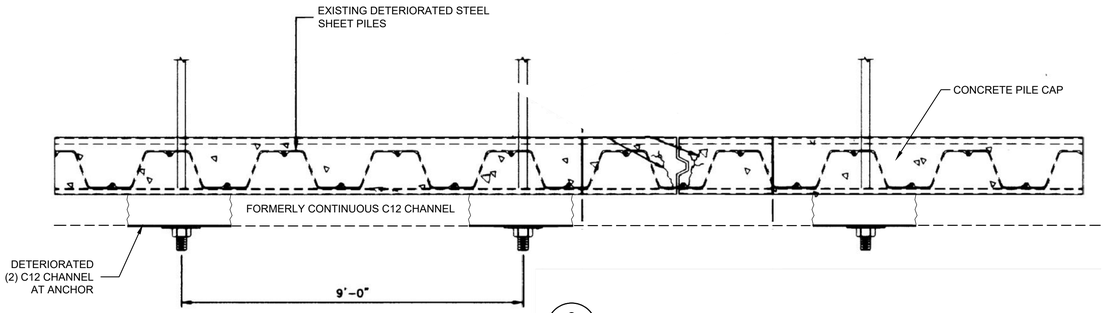
1. EXISTING CONDITIONS DETAILS AND SECTIONS ARE BASED ON THE PROVIDED REFERENCE DRAWING TITLED "NEWPORT MARINE FACILITIES"



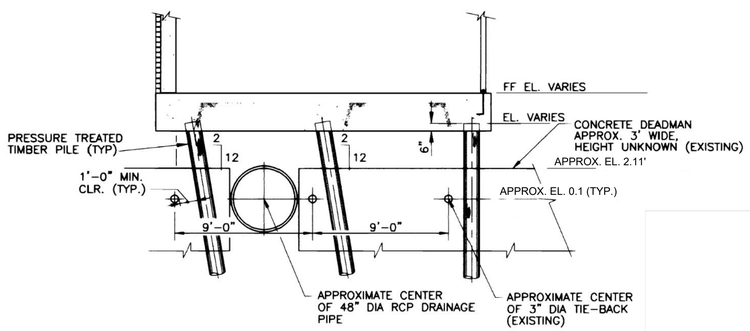
1 / 3 5 PARTIAL PLAN - HARBORMASTER BUILDING
SCALE: 1"=5'



A / 3 5 SECTION - EXISTING TYPICAL SECTION
SCALE: 1"=4'

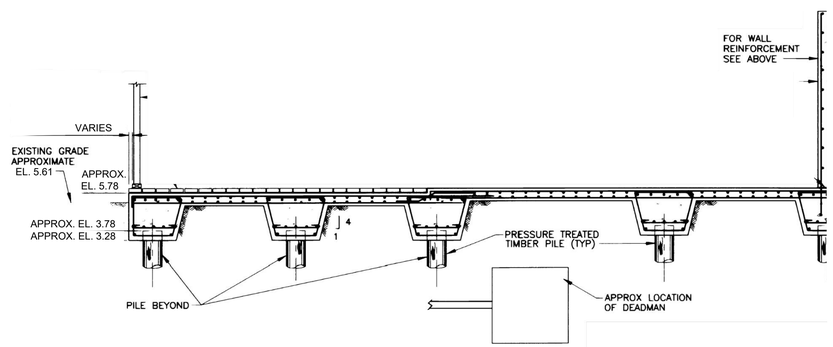


2 / 3 5 PARTIAL PLAN - STEEL SHEET PILE BULKHEAD
SCALE: 1"=2'



B / - 5 SECTION - PILE LAYOUT
SCALE: 1"=5'

APPROX. EL. 2.8



C / - 5 SECTION - PILE LAYOUT
SCALE: 1"=4'

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City of Newport
RHODE ISLAND
Settled 1639

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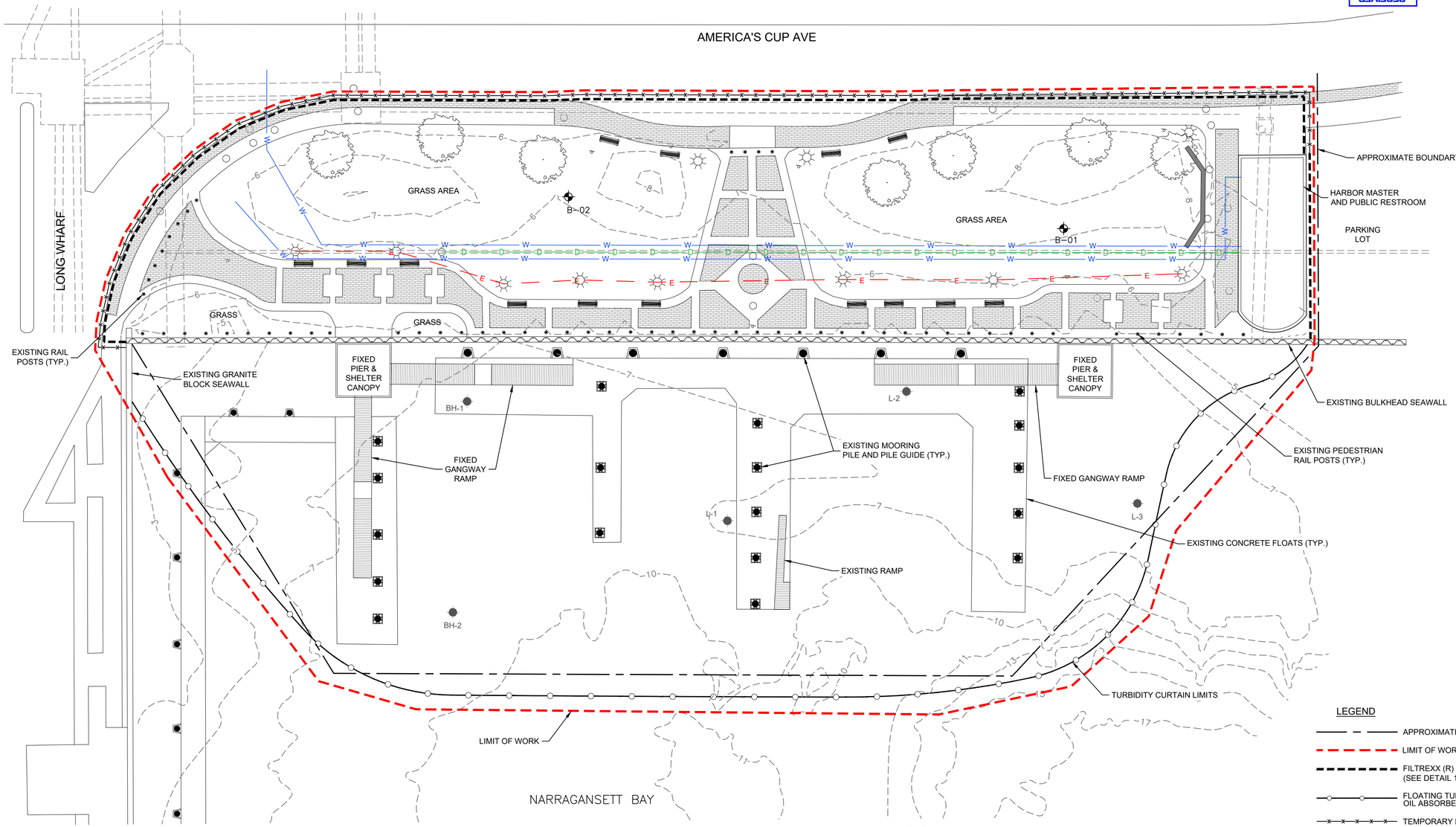
PEROTTI PARK
AMERICA'S CUP AVE
NEWPORT, RHODE ISLAND

EXISTING CONDITIONS DETAILS AND SECTIONS

DRAWING
5
SHEET NO. 5 OF 14



NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY EROSION AND SEDIMENT CONTROLS IN ACCORDANCE WITH PERMITS AND CONTRACT DOCUMENTS.
2. INSTALL EROSION AND SEDIMENT CONTROLS BEFORE DISTURBING ANY SOILS, SEDIMENT OR VEGETATION AT THE SITE.
3. ADJUST, RELOCATE OR PROVIDE ADDITIONAL EROSION AND SEDIMENT CONTROLS AS WORK PROGRESSES INTO PREVIOUSLY UNDISTURBED AREAS OF THE SITE.
4. MAINTAIN EROSION AND SEDIMENT CONTROLS UNTIL THE SITE IS RESTORED AND SITE IMPROVEMENTS INCLUDING LANDSCAPING, IF ANY, ARE COMPLETE WITH UNDERLYING SOILS PERMANENTLY STABILIZED.
5. CARE SHALL BE TAKEN NOT TO PLACE REMOVED SEDIMENTS WITHIN THE PATH OF EXISTING, NEWLY CREATED OR PROPOSED AREAS THAT ARE SUBJECT TO STORMWATER FLOW.
6. CONTRACTOR SHALL PROVIDE AND MAINTAIN TURBIDITY CURTAINS AND IS RESPONSIBLE FOR DETERMINING LAYOUT AND INSTALLATION PROCEDURES IN ACCORDANCE WITH CONTRACT DOCUMENTS.
7. TURBIDITY CURTAINS SHALL BE INSTALLED TO SURROUND THE LIMIT OF WORK, AS NEEDED, INCLUDING BUT NOT LIMITED TO DEMOLITION AND WALL CONSTRUCTION.
8. DEWATER LANDWARD OF BULKHEAD USING A PUMP WITH A FILTER BAG. PUMP WATER INTO NEWPORT HARBOR.
9. PROTECTING DEVICES SHALL BE USED AROUND TREES AND TRANSFORMERS ON SITE.

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- LIMIT OF WORK
- FILTREXX (R) SILT SOXX (OR EQUAL) (SEE DETAIL 1/C-4)
- FLOATING TURBIDITY CURTAIN AND OIL ABSORBENT BOOM
- TEMPORARY FENCE LINE
- W — WATER LINE
- D — D — SEWER-DRAIN LINE
- E — ELECTRICAL LINE
- GZ-1 — INDICATES LAND BORINGS PERFORMED BY NEW ENGLAND BORING COMPANY BETWEEN JULY 26 AND JULY 31, 2023 AND OBSERVED BY GZA PERSONNEL.
- LIGHT POST
- SIGN
- MANHOLE
- BENCH
- TREE TO REMAIN
- BRICK WALKWAY

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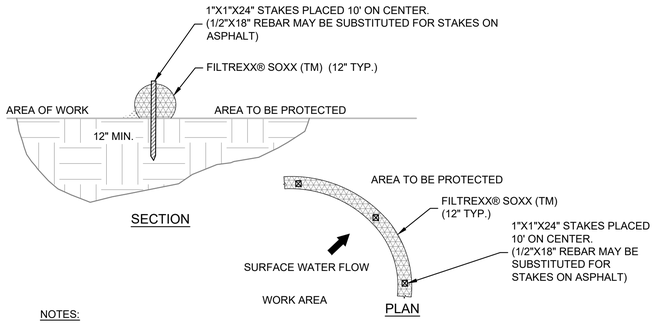
PEROTTI PARK
AMERICA'S CUP AVE
NEWPORT, RHODE ISLAND

TEMPORARY CONTROLS PLAN

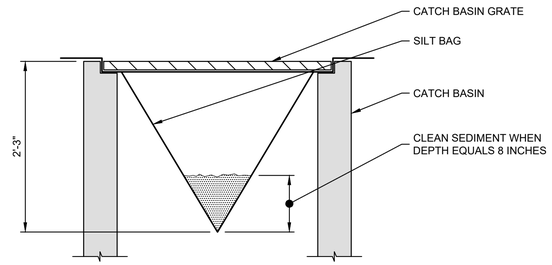
DRAWING
6
SHEET NO. 6 OF 14



NOTES:

1. ALL MATERIAL TO MEET FILTREXX® SPECIFICATIONS.
2. STAKES/REBAR PINS SHALL HAVE PROTECTIVE CAPS INSTALLED TO PREVENT FALL INJURY.

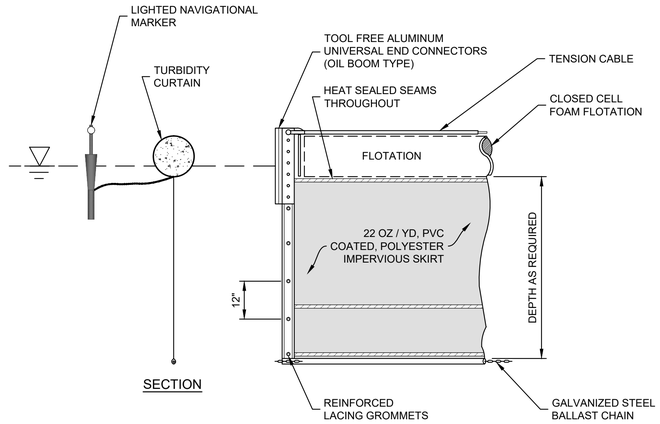
1 / - | 7 FILTREXX®SOXX SEDIMENT CONTROL DETAIL
NOT TO SCALE



NOTES:

1. SEDIMENT BAG INLET PROTECTION TO BE SILT SACK MANUFACTURED BY ATLANTIC CONSTRUCTION FABRICS INC. RICHMOND, VA OR APPROVED EQUAL.
2. STORM WATER CATCH BASINS OR DRAINS SHALL BE PROTECTED FROM MATERIALS RUN-OFF. CONTRACTOR SHALL INSTALL SILT SACKS WITHIN EACH CATCH BASIN IN THE VICINITY OF ANY WORK AREAS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL USE ALL BMP'S NECESSARY TO PROTECT THESE INLETS FROM SEDIMENT AND DEBRIS.

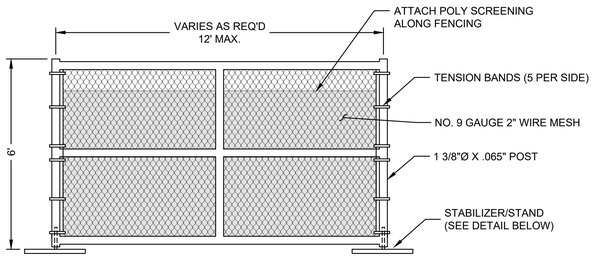
2 / - | 7 SILT SACK DETAIL
NOT TO SCALE



NOTES:

1. REFER TO SECTION 01 57 00 - TEMPORARY CONTROLS FOR MINIMUM REQUIREMENTS OF TURBIDITY CURTAINS.
2. END OF CURTAIN SHALL BE ANCHORED SECURELY AT THE SHORELINE ABOVE MEAN HIGH WATER ELEVATION IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
3. TURBIDITY CURTAINS SHALL BE INSPECTED REGULARLY TO DETERMINE IF ALL COMPONENTS ARE FUNCTIONING PROPERLY.

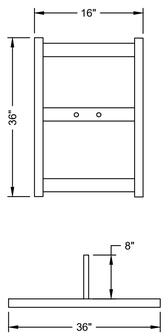
3 / - | 7 TURBIDITY CURTAIN
NOT TO SCALE



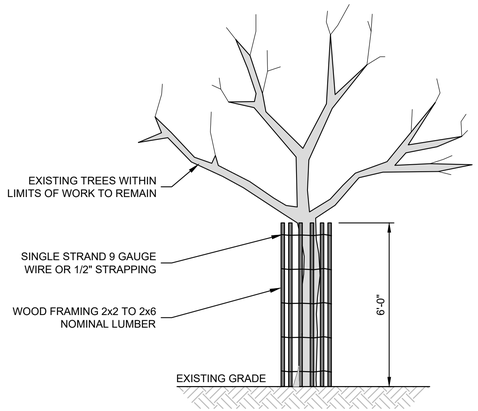
TEMPORARY CONSTRUCTION FENCING NOTES:

1. FENCES SHALL BE CONSTRUCTED WITH A TOP AND BOTTOM RAIL.
2. GATES MUST REMAIN IN GOOD WORKING ORDER AND MUST BE CLOSED AND SECURED DURING NON-WORKING HOURS.
3. GATES SHALL BE CONSTRUCTED SO THAT THEY SWING IN TOWARDS THE CONSTRUCTION SITE.
4. GATES MUST BE CONSTRUCTED WITH THE SAME DESIGN CHARACTERISTICS AS THE TEMPORARY CONSTRUCTION FENCE.
5. FABRIC SHALL BE ANCHORED IN EACH GROMMET WITH ALUMINUM TIES.

4 / - | 7 TYPICAL TEMPORARY CONSTRUCTION FENCE PANEL
NOT TO SCALE



TYPICAL FENCE STABILIZER/STAND
NOT TO SCALE



NOTE:
THIS DETAIL SHALL BE USED TO PROTECT THE TREE'S TRUNK IN SITUATION WHERE CONSTRUCTION IS WITHIN CLOSE PROXIMITY, OR OTHERWISE NOTED HEREIN AS PROTECTED TREE

5 / - | 7 TREE PROTECTION DEVICE
NOT TO SCALE

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City of Newport
RHODE ISLAND
Settled 1639

DESIGN–BUILD CONCEPT
FOR BIDDING PURPOSES ONLY

REV.	DESCRIPTION	DATE	BY

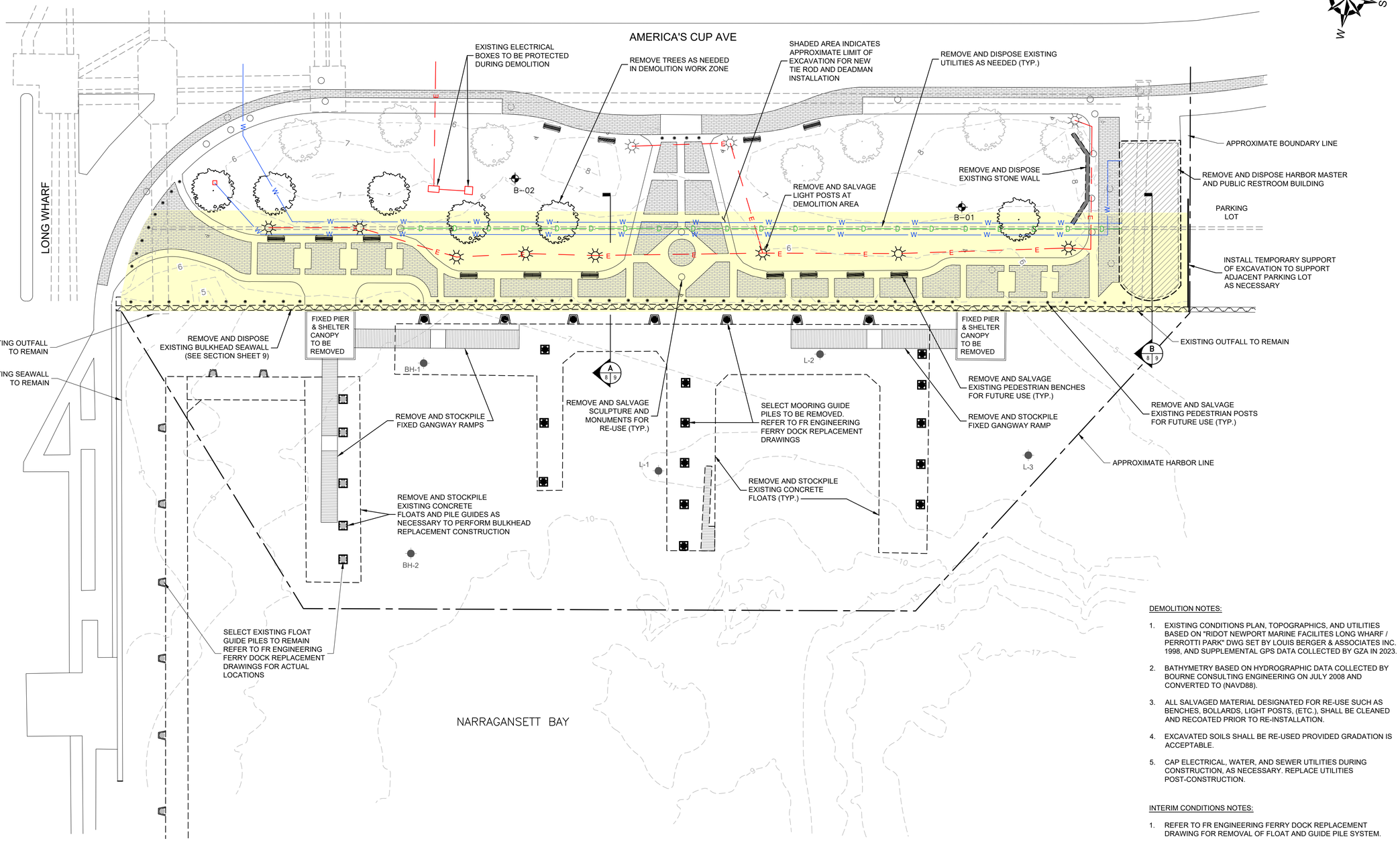
PROJECT NO: 35242.00
DATE: FEBRUARY, 2025

PROJECT MGR:	TWS
DESIGNED BY:	JTF
DRAWN BY:	GRB
CHECKED BY:	TWS
REVIEWED BY:	MJP
SCALE:	AS NOTED
REVISION NO.	

PEROTTI PARK
AMERICA'S CUP AVE
NEWPORT, RHODE ISLAND

TEMPORARY CONTROL DETAILS

DRAWING
7
SHEET NO. 7 OF 14



0 10' 20' 40' 60'

SCALE IN FEET 1" = 20'

DEMOLITION NOTES:

1. EXISTING CONDITIONS PLAN, TOPOGRAPHICS, AND UTILITIES BASED ON "RIDOT NEWPORT MARINE FACILITES LONG WHARF / PERROTTI PARK" DWG SET BY LOUIS BERGER & ASSOCIATES INC. 1998, AND SUPPLEMENTAL GPS DATA COLLECTED BY GZA IN 2023.
2. BATHYMETRY BASED ON HYDROGRAPHIC DATA COLLECTED BY BOURNE CONSULTING ENGINEERING ON JULY 2008 AND CONVERTED TO (NAVD88).
3. ALL SALVAGED MATERIAL DESIGNATED FOR RE-USE SUCH AS BENCHES, BOLLARDS, LIGHT POSTS, (ETC.), SHALL BE CLEANED AND RECOATED PRIOR TO RE-INSTALLATION.
4. EXCAVATED SOILS SHALL BE RE-USED PROVIDED GRADATION IS ACCEPTABLE.
5. CAP ELECTRICAL, WATER, AND SEWER UTILITIES DURING CONSTRUCTION, AS NECESSARY. REPLACE UTILITIES POST-CONSTRUCTION.

INTERIM CONDITIONS NOTES:

1. REFER TO FR ENGINEERING FERRY DOCK REPLACEMENT DRAWING FOR REMOVAL OF FLOAT AND GUIDE PILE SYSTEM.
2. IF CONTRACTOR REMOVES FLOATS AND FLOAT GUIDE PILES TO ACCOMODATE THE INSTALLATION OF THE STEEL SHEET PILE BULKHEAD, CONTRACTOR AND DESIGN BUILD ENGINEER SHALL BE RESPONSIBLE TO DESIGN ANCHORAGE OF EXISTING FLOATS, GANGWAYS, AND ACCESS DURING THE SUMMER BETWEEN CONSTRUCTION PHASES. ANCHORAGE MAY CONSIST OF WEIGHT AND CHAINS, RE-USE OF EXISITNG GUIDE PILES, OR OTHER OWNER APPROVED ANCHORAGE SYSTEM.
3. CONTRACTOR MAY RE-USE EXISITNG FLOATS AND GUIDE PILES AS TEMPORARY ACCESS DURING SUMMER BETWEEN CONSTRUCTION PHASES IF BULKHEAD IS ABLE TO BE INSTALLED WITHOUT GUIDE PILE REMOVAL.

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REV	DESCRIPTION	DATE	BY

PROJECT NO:	35242.00
DATE:	FEBRUARY, 2025
PROJECT MGR:	TWS
DESIGNED BY:	JTF
DRAWN BY:	GRB
CHECKED BY:	TWS
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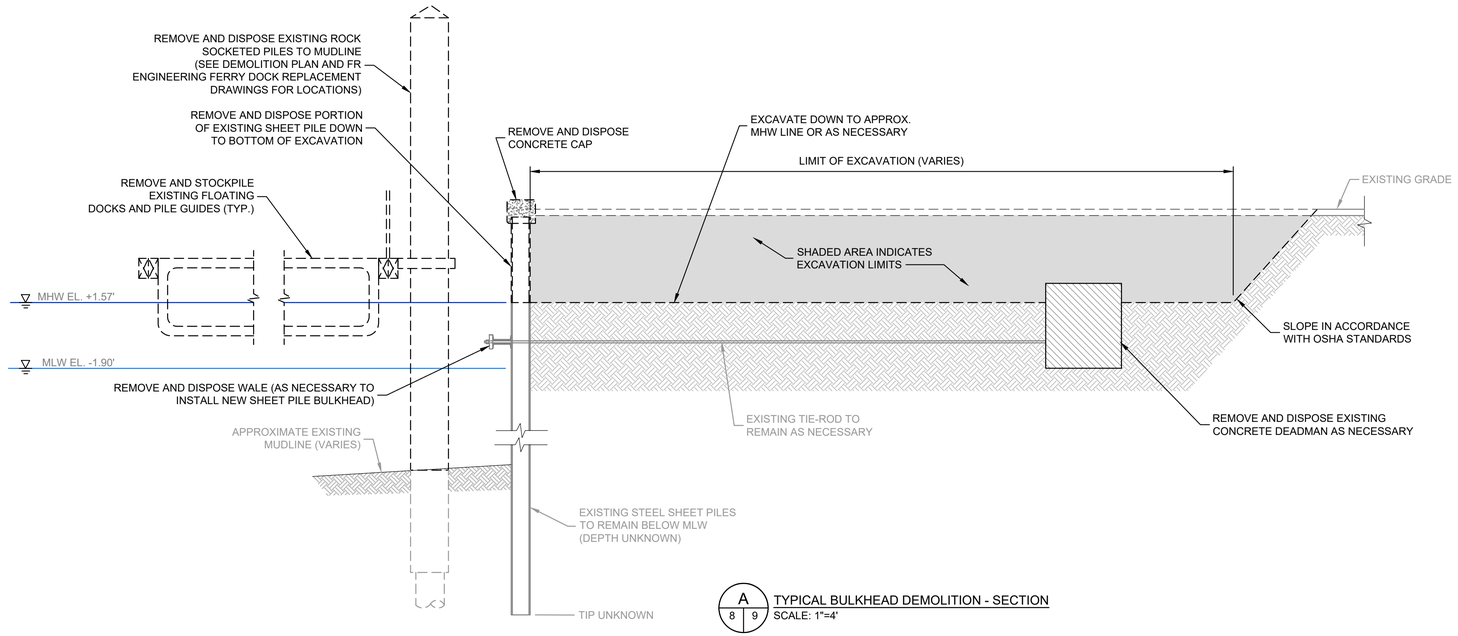
SCALE:	AS NOTED
REVISION NO.	

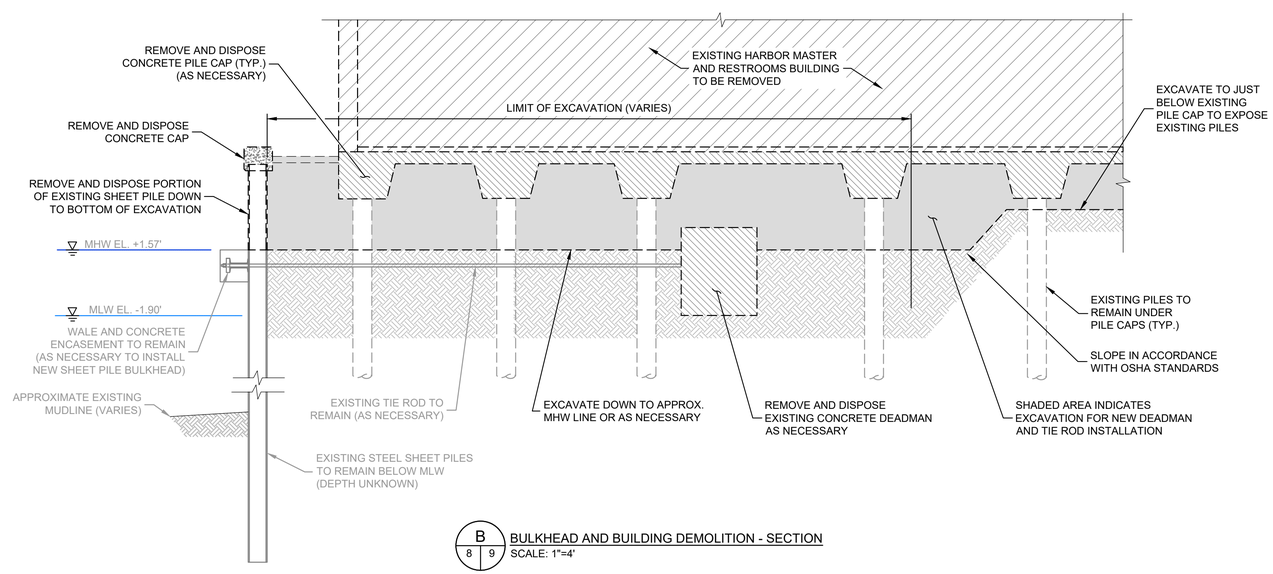
PEROTTI PARK
AMERICA'S CUP AVE
NEWPORT, RHODE ISLAND

DEMOLITION PLAN

DRAWING
8
SHEET NO. 8 OF 14



A 8 9 TYPICAL BULKHEAD DEMOLITION - SECTION
SCALE: 1"=4'



B 8 9 BULKHEAD AND BUILDING DEMOLITION - SECTION
SCALE: 1"=4'

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DESIGN–BUILD CONCEPT
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REV	DESCRIPTION	DATE	BY

PROJECT NO: 35242.00
DATE: FEBRUARY, 2025

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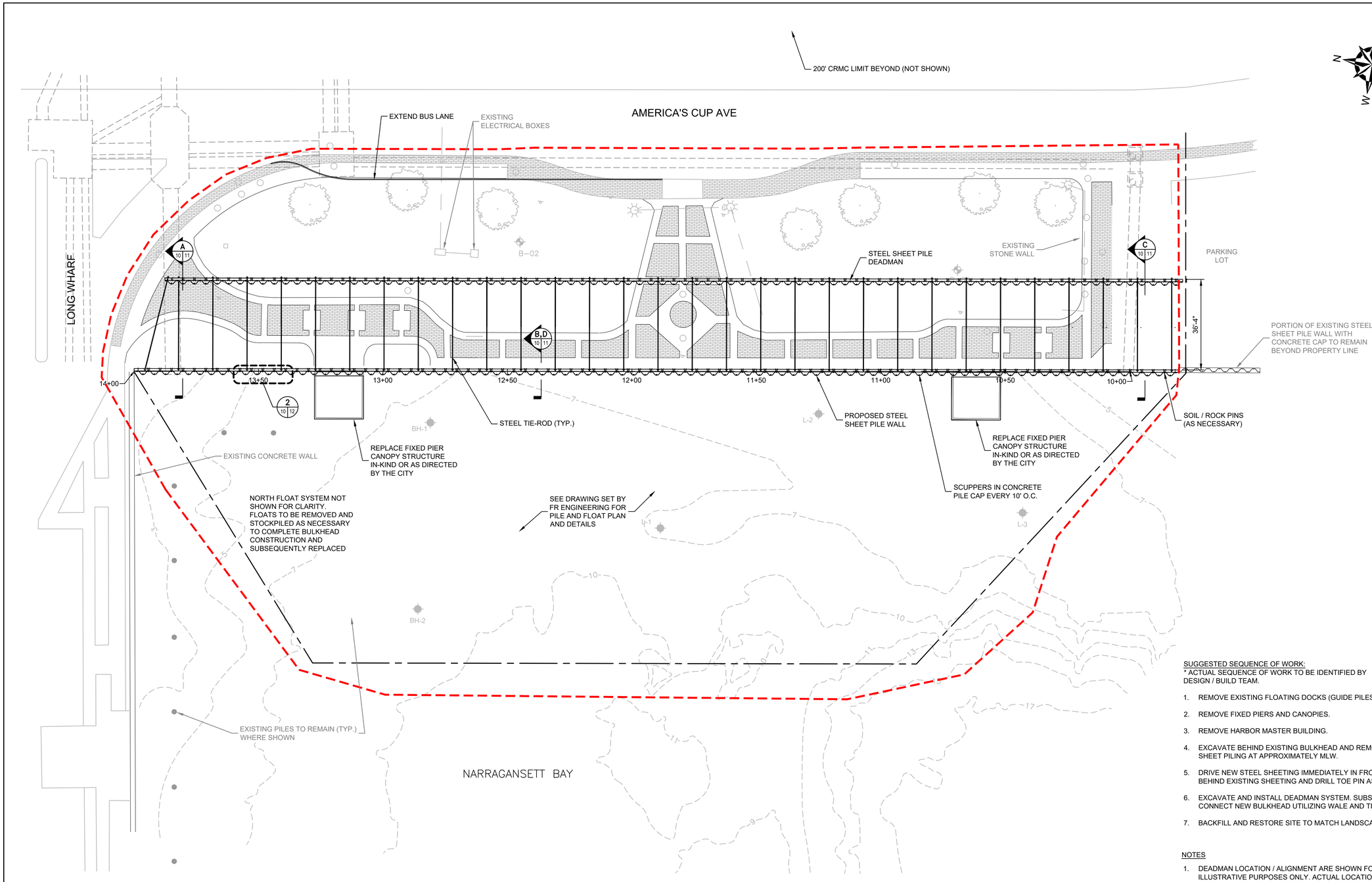
CHECKED BY:	TWS
REVIEWED BY:	MJP
SCALE:	AS NOTED
REVISION NO.	

PEROTTI PARK
AMERICA'S CUP AVE
NEWPORT, RHODE ISLAND

DEMOLITION SECTIONS

DRAWING
9
SHEET NO. 9 OF 14



SUGGESTED SEQUENCE OF WORK:
* ACTUAL SEQUENCE OF WORK TO BE IDENTIFIED BY DESIGN / BUILD TEAM.

1. REMOVE EXISTING FLOATING DOCKS (GUIDE PILES TO REMAIN).
2. REMOVE FIXED PIERS AND CANOPIES.
3. REMOVE HARBOR MASTER BUILDING.
4. EXCAVATE BEHIND EXISTING BULKHEAD AND REMOVE STEEL SHEET PILING AT APPROXIMATELY MLW.
5. DRIVE NEW STEEL SHEETING IMMEDIATELY IN FRONT OF OR BEHIND EXISTING SHEETING AND DRILL TOE PIN AS REQUIRED.
6. EXCAVATE AND INSTALL DEADMAN SYSTEM. SUBSEQUENTLY CONNECT NEW BULKHEAD UTILIZING WALE AND TIE RODS.
7. BACKFILL AND RESTORE SITE TO MATCH LANDSCAPING PLAN.

NOTES

1. DEADMAN LOCATION / ALIGNMENT ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. ACTUAL LOCATION TO BE DETERMINED BY DESIGN BUILD TEAM.

LEGEND

APPROXIMATE PROPERTY BOUNDARY

LIMIT OF WORK

0 10' 20' 40' 60'
SCALE IN FEET 1" = 20'

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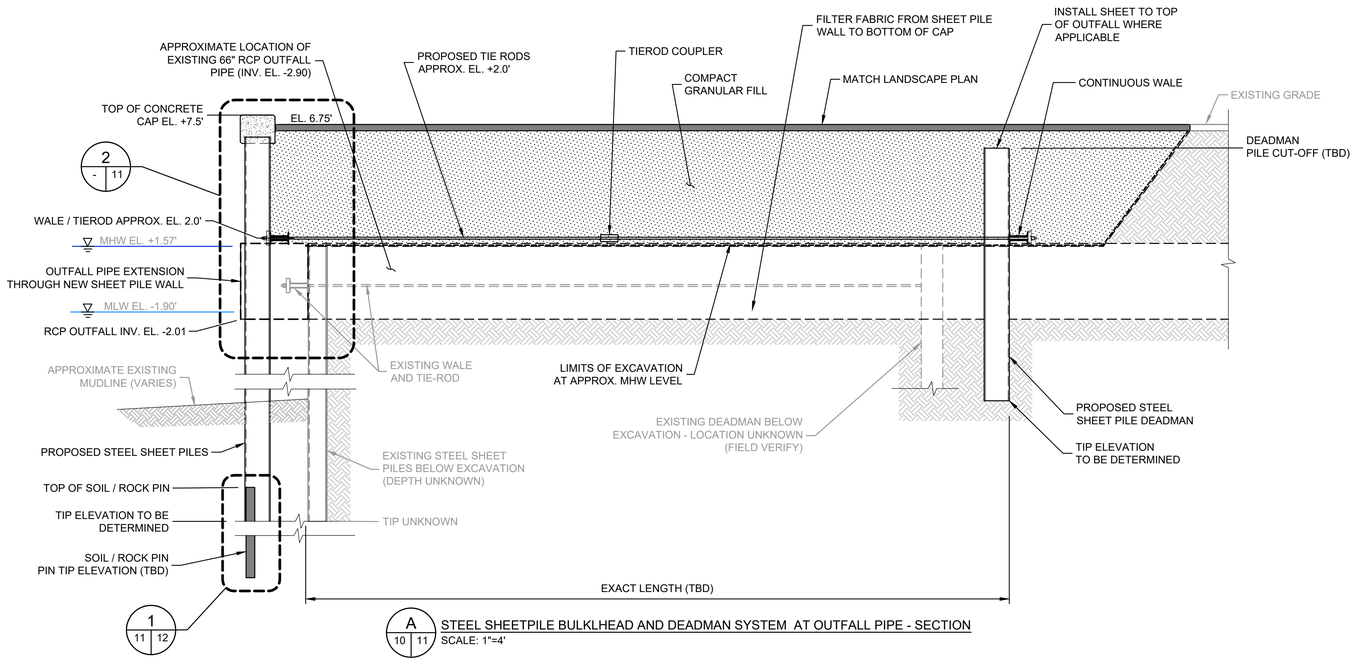
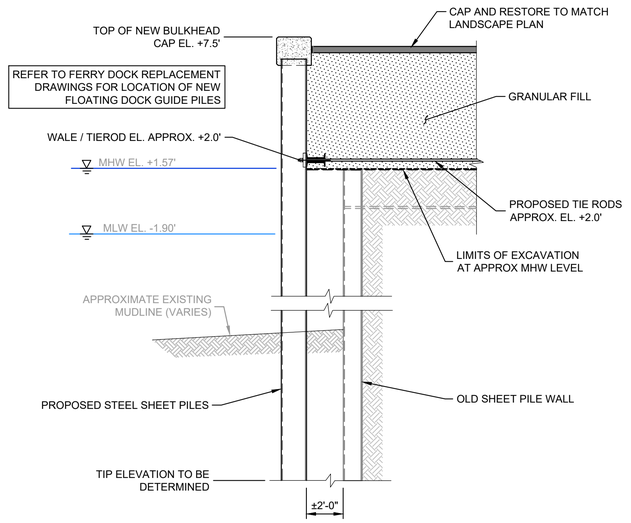
PEROTTI PARK
AMERICA'S CUP AVE
NEWPORT, RHODE ISLAND

PROPOSED BULKHEAD AND ANCHOR PLAN

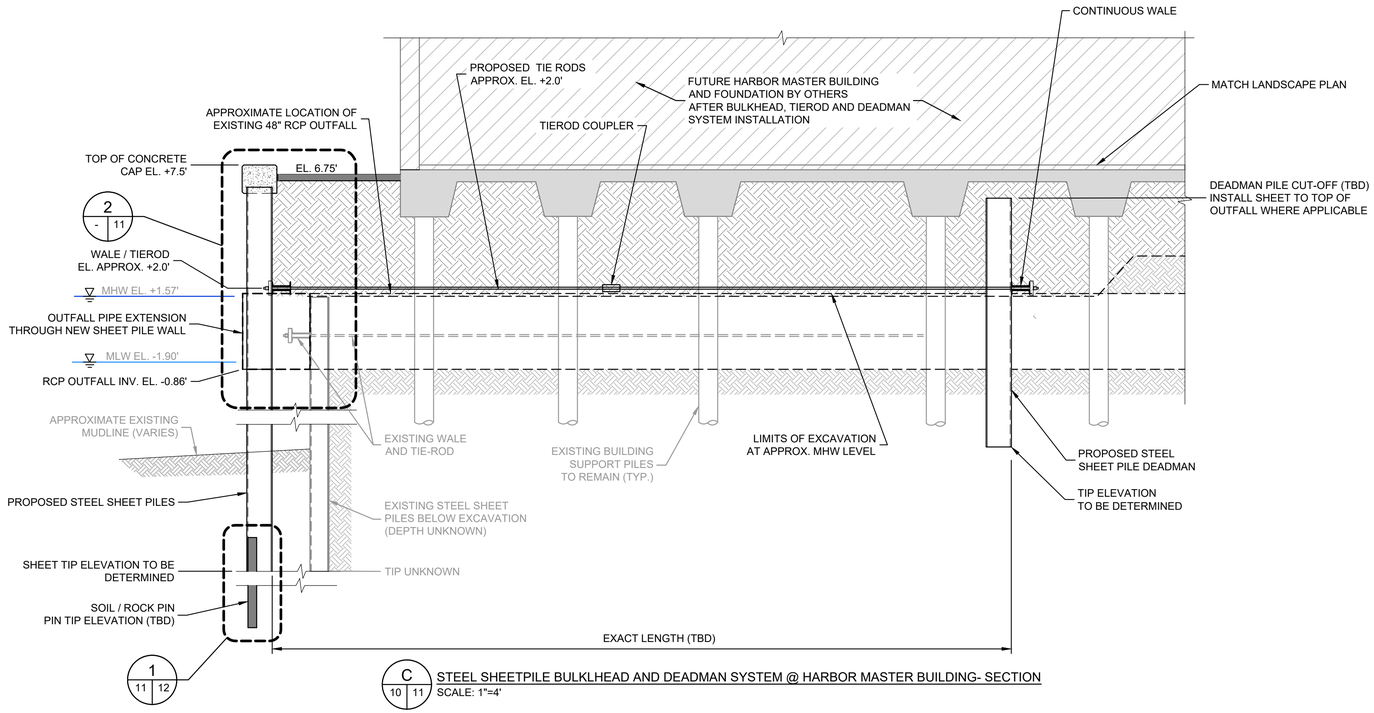
DRAWING
10
SHEET NO. 10 OF 14



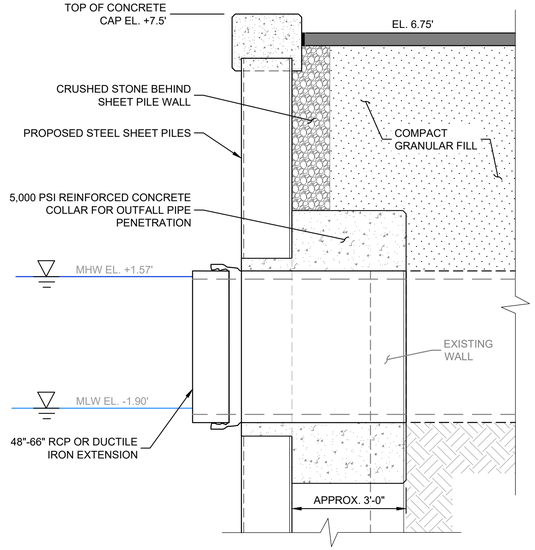
A 10 11 STEEL SHEETPILE BULKLHEAD AND DEADMAN SYSTEM AT OUTFALL PIPE - SECTION
SCALE: 1"=4'



B 10 11 TYPICAL STEEL SHEETPILE BULKLHEAD - SECTION
SCALE: 1"=4'



C 10 11 STEEL SHEETPILE BULKLHEAD AND DEADMAN SYSTEM @ HARBOR MASTER BUILDING- SECTION
SCALE: 1"=4'



2 - 11 OUTFALL PIPE EXTENSION - SECTION
SCALE: 1"=2'

NOTES:

1. CONTRACTOR SHALL NOT STOCKPILE OR PLACE SURCHARGE LOADS (EQUIPMENT, MATERIALS, ETC.) GREATER THAN EXISTING SEAWALL ALLOWABLE LOADS.
2. INSTALL AND TENSION TIERODS TO REMOVE SLACK PRIOR TO BACKFILLING EXISTING WALLS.
3. WALE AND TIE ROD ELEVATIONS ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. DESIGN-BUILD ENGINEER SHALL DESIGN SHEET PILE, WALE, TIE ROD, DEADMAN AND LOCATE ACCORDINGLY.
4. DO NOT COMPLETELY BLOCK THE FLOW OF THE OUTFALLS DURING CONSTRUCTION.

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Settled 1639

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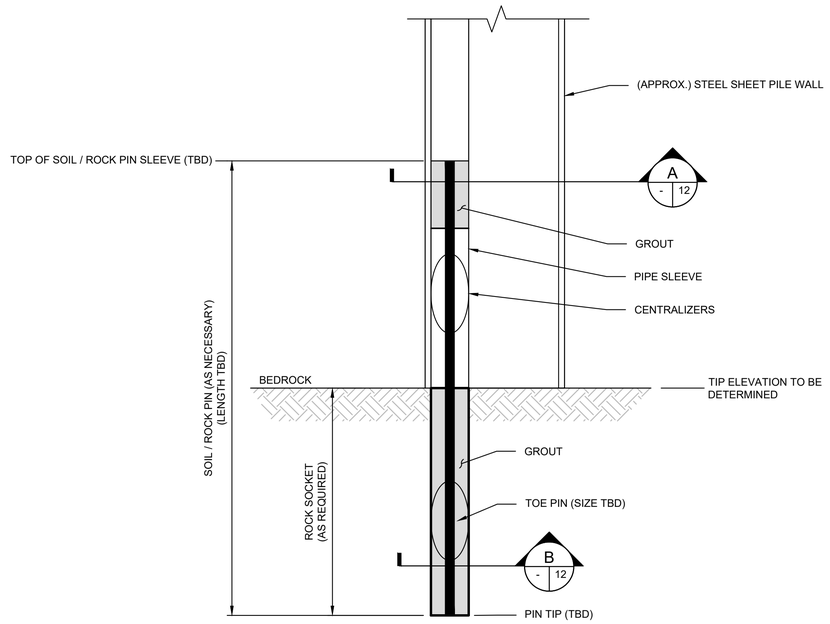
PROJECT NO:	35242.00
DATE:	FEBRUARY, 2025
PROJECT MGR:	TWS
DESIGNED BY:	JTF
DRAWN BY:	GRB
CHECKED BY:	TWS
REVIEWED BY:	MJP
SCALE:	AS NOTED
REVISION NO.	

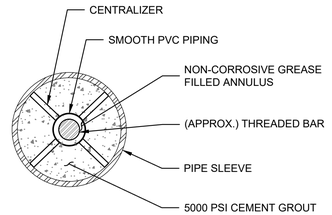
PEROTTI PARK
AMERICA'S CUP AVE
NEWPORT, RHODE ISLAND

PROPOSED CONDITIONS SECTIONS

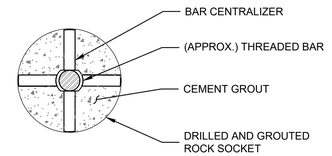
DRAWING
11
SHEET NO. 11 OF 14



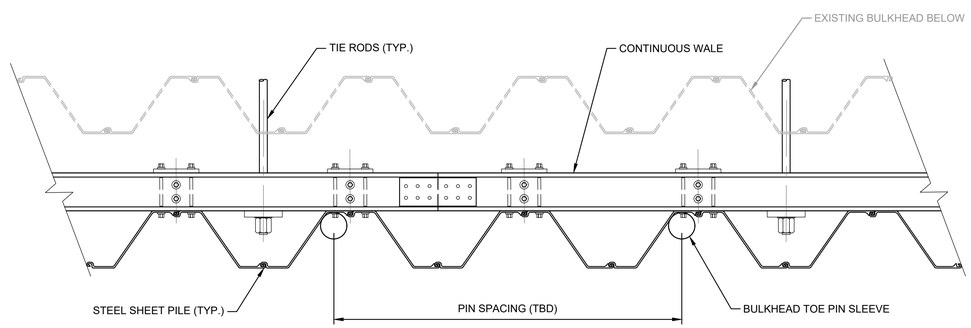
1 / 11 12 DETAIL - SOIL ROCK PIN SOCKET
NOT TO SCALE



A / - 12 SECTION - PIN IN SLEEVE
NOT TO SCALE



B / - 12 DETAILS - PIN IN BEDROCK
NOT TO SCALE



2 / 10 12 PARTIAL PLAN - SHEET PILE BULKHEAD WALL SYSTEM
SCALE: 1"=2'

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RHODE ISLAND
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DESIGN–BUILD CONCEPT
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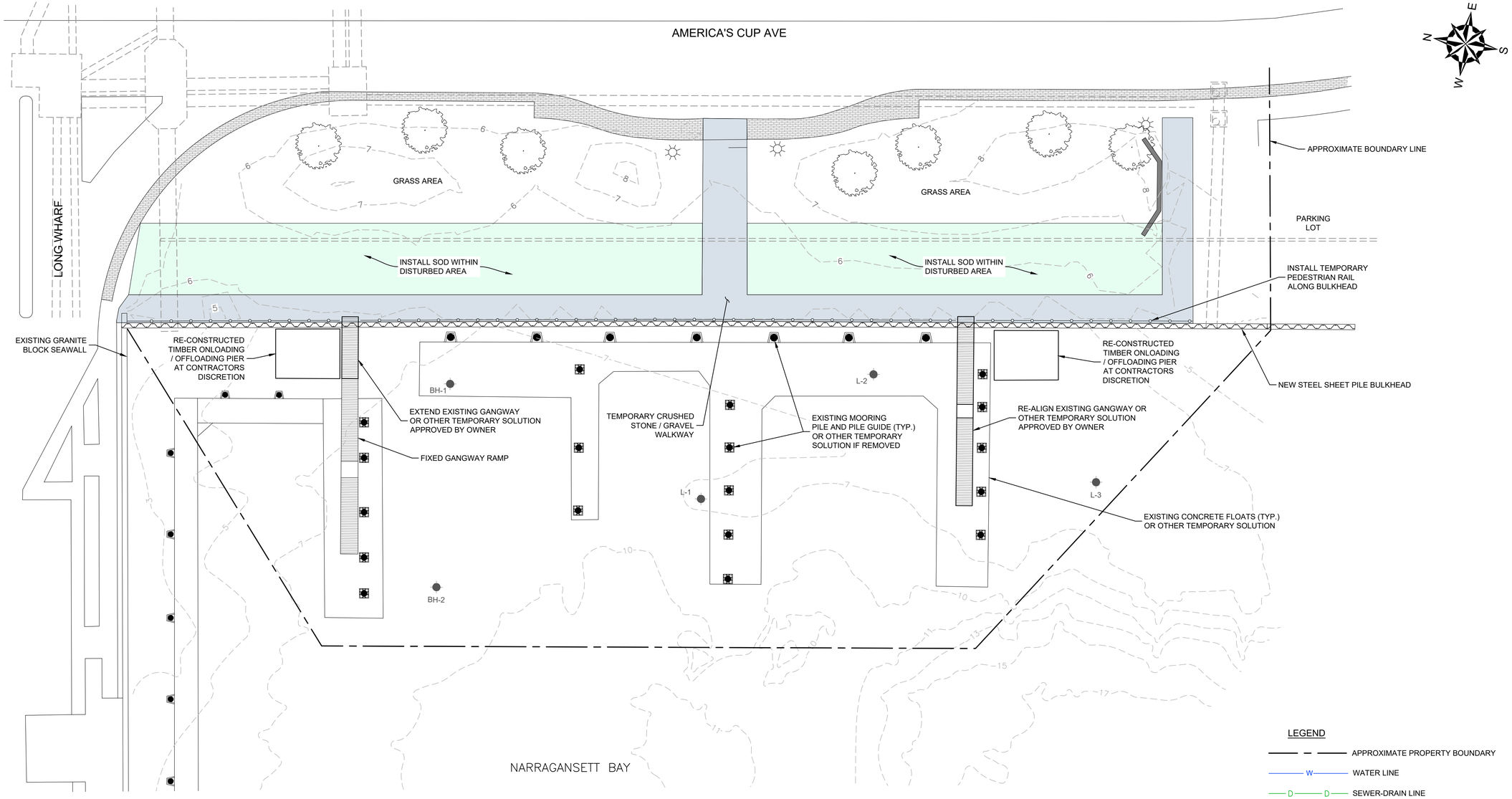
REVISION NO.	

PEROTTI PARK
AMERICA'S CUP AVE
NEWPORT, RHODE ISLAND

PROPOSED CONDITIONS DETAILS

DRAWING
12
SHEET NO. 12 OF 14



INTERIM CONDITIONS NOTES:

1. REFER TO FR ENGINEERING FERRY DOCK REPLACEMENT DRAWING FOR REMOVAL OF FLOAT AND GUIDE PILE SYSTEM.
2. IF CONTRACTOR REMOVES FLOATS AND FLOAT GUIDE PILES TO ACCOMODATE THE INSTALLATION OF THE STEEL SHEET PILE BULKHEAD, CONTRACTOR AND DESIGN BUILD ENGINEER SHALL BE RESPONSIBLE TO DESIGN ANCHORAGE OF EXISTING FLOATS, GANGWAYS, AND ACCESS DURING THE SUMMER BETWEEN CONSTRUCTION PHASES. ANCHORAGE MAY CONSIST OF WEIGHT AND CHAINS, RE-USE OF EXISITNG GUIDE PILES, OR OTHER OWNER APPROVED ANCHORAGE SYSTEM.
3. CONTRACTOR MAY RE-USE EXISITNG FLOATS AND GUIDE PILES AS TEMPORARY ACCESS DURING SUMMER BETWEEN CONSTRUCTION PHASES IF BULKHEAD IS ABLE TO BE INSTALLED WITHOUT GUIDE PILE REMOVAL.

NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY EROSION AND SEDIMENT CONTROLS IN ACCORDANCE WITH PERMITS AND CONTRACT DOCUMENTS.
2. ADJUST, RELOCATE OR PROVIDE ADDITIONAL EROSION AND SEDIMENT CONTROLS AS WORK PROGRESSES INTO PREVIOUSLY UNDISTURBED AREAS OF THE SITE.
3. MAINTAIN EROSION AND SEDIMENT CONTROLS UNTIL THE SITE IS RESTORED AND SITE IMPROVEMENTS INCLUDING LANDSCAPING, IF ANY, ARE COMPLETE WITH UNDERLYING SOILS PERMANENTLY STABILIZED.
4. CARE SHALL BE TAKEN NOT TO PLACE REMOVED SEDIMENTS WITHIN THE PATH OF EXISTING, NEWLY CREATED OR PROPOSED AREAS THAT ARE SUBJECT TO STORMWATER FLOW.

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- W — WATER LINE
- D — D — SEWER-DRAIN LINE
- E — ELECTRICAL LINE
- GZ-1 — INDICATES LAND BORINGS PERFORMED BY NEW ENGLAND BORING COMPANY BETWEEN JULY 26 AND JULY 31, 2023 AND OBSERVED BY GZA PERSONNEL.
- LIGHT POST
- SIGN
- MANHOLE
- BENCH
- TREE TO REMAIN
- BRICK WALKWAY
- TEMPORARY CRUSHED STONE / GRAVEL WALKWAY

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Settled 1639

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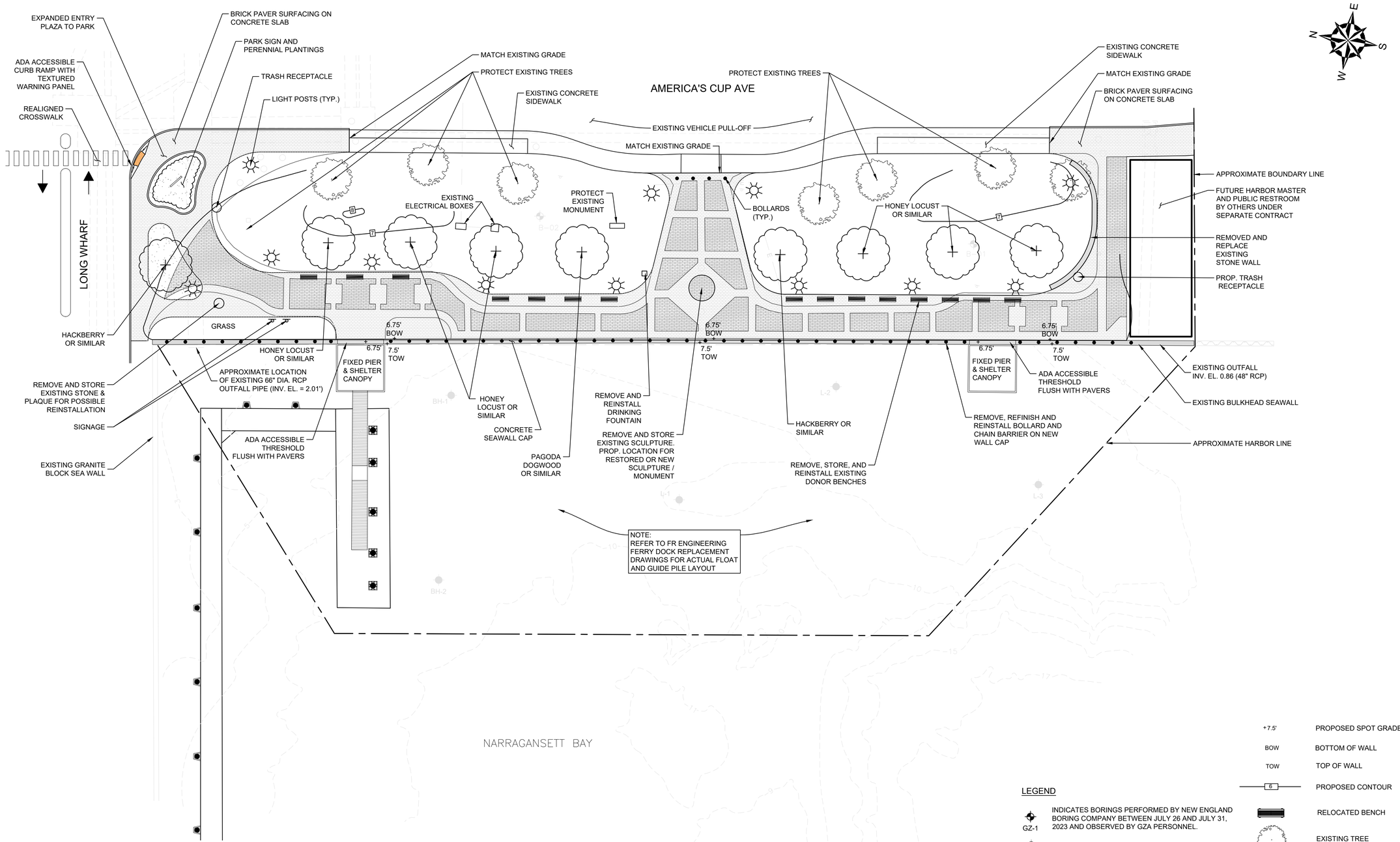
REV	DESCRIPTION	DATE	BY

PROJECT NO:	35242.00
DATE:	FEBRUARY, 2025
PROJECT MGR:	TWS
DESIGNED BY:	JTF
DRAWN BY:	GRB
CHECKED BY:	TWS
REVIEWED BY:	MJP
SCALE:	AS NOTED
REVISION NO.	

PEROTTI PARK
AMERICA'S CUP AVE
NEWPORT, RHODE ISLAND

TEMPORARY CONDITIONS PLAN

DRAWING
13
SHEET NO. 13 OF 14



DRAFT — NOT FOR CONSTRUCTION

NOTES:

1. EXISTING CONDITIONS PLAN, TOPOGRAPHICS, AND UTILITIES BASED ON "RIDOT NEWPORT MARINE FACILITES LONG WHARF / PERROTTI PARK" DWG SET BY LOUIS BERGER & ASSOCIATES INC. 1998, AND SUPPLEMENTAL GPS DATA COLLECTED BY GZA IN 2023.
2. BATHEMETRY BASED ON HYDROGRPHIC DATA COLLECTED BY BOURNE CONSULTING ENGINEERING IN JULY 2008 AND CONVERTED TO NAVD88.

LEGEND

GZ-1	INDICATES BORINGS PERFORMED BY NEW ENGLAND BORING COMPANY BETWEEN JULY 26 AND JULY 31, 2023 AND OBSERVED BY GZA PERSONNEL.
L-1	EXISTING BORINGS DRILLED IN 1998
BH-1	EXISTING BORINGS DRILLED IN 2008
	LIGHT POST
	SIGN
	MANHOLE
+7.5'	PROPOSED SPOT GRADE
BOW	BOTTOM OF WALL
TOW	TOP OF WALL
6	PROPOSED CONTOUR
	RELOCATED BENCH
	EXISTING TREE
	PROPOSED TREE
	BRICK WALKWAY
	RELOCATED BOLLARD
	PROPOSED LAWN

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DESIGN–BUILD CONCEPT
FOR PLANNING PURPOSES ONLY

REV.	DESCRIPTION	DATE	BY

PROJECT NO: 35242.00

DATE: FEBRUARY, 2025

PROJECT MGR:	NLF
DESIGNED BY:	NLF
DRAWN BY:	ARD
CHECKED BY:	TWS
REVIEWED BY:	ARD
SCALE:	AS NOTED
REVISION NO.	

PEROTTI PARK
AMERICA'S CUP AVE
NEWPORT, RHODE ISLAND

LANDSCAPE PLAN

DRAWING
14
SHEET NO. 14 OF 14

PERROTTI PARK
FERRY DOCK REPLACEMENT
39 AMERICA'S CUP AVENUE
NEWPORT, RHODE ISLAND

INDEX

SHEET	DESCRIPTION
S-1	TITLE SHEET
S-2	GENERAL NOTES
S-3	EXISTING CONDITIONS PLAN
S-4	DEMOLITION PLAN
S-5	PROPOSED CONDITIONS PLAN
S-6	TYPICAL DETAILS

VICINITY MAP

(NOT TO SCALE)
(GENERATED FROM GOOGLE EARTH)

PREPARED FOR
THE CITY OF NEWPORT - HARBORS DEPARTMENT
39 AMERICA'S CUP AVENUE
NEWPORT, RI 02840

2346 Post Road, Suite 202
Warwick, RI 02886
401-575-1569
stephanie.robat@fr-eng.com

#	REVISION DESCRIPTION	DATE	BY
1	ISSUED FOR PERMIT	1-20-25	SMR

PERROTTI PARK FERRY DOCK REPLACEMENT
NEWPORT, RHODE ISLAND

TITLE SHEET

STEPHANIE M. ROBAT
No. 12101
REGISTERED PROFESSIONAL ENGINEER
CIVIL 1/20/25

DATE:
JANUARY 20, 2025

DESIGN BY: SMR
DRAWN BY: SMR
CHECKED BY: SJR

PROJECT NUMBER:
23009.00

S-1

SHEET 1 OF 6

GENERAL NOTES:

1. LANDSIDE TOPOGRAPHY AND EXISTING CONDITIONS PLAN INFORMATION FOR THE AREA WHERE THE WORK IS PROPOSED IS DEVELOPED FROM THE SURVEY PERFORMED, PREPARED AND PROVIDED BY CHRISTOPHER G. PALMER, PLS. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMATION OF ACTUAL SITE GRADE AND LAYOUT CONDITIONS. FR ENGINEERING GROUP, INC. ACCEPTS NO RESPONSIBILITY FOR EXISTING SITE SURVEY INFORMATION.

2. BATHYMETRIC INFORMATION PROVIDED IS BASED ON HYDROGRAPHIC DATA COLLECTED BY BOURNE CONSULTING ENGINEERING IN JULY 2008 AND CONVERTED TO NAVD88.

3. THE HORIZONTAL DATUM FOR THIS PROJECT IS THE R.I.S.P.C.S. (NAD 83). THE VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

4. THERE IS LIMITED HYDROGRAPHIC SURVEY INFORMATION AVAILABLE FOR THIS SITE. CHANGES TO ELEVATIONS ALONG THE SHORELINE SHOULD BE EXPECTED.

5. BATHYMETRY AND UPLAND TOPOGRAPHY ARE REFERENCED TO NAVD 88.

6. THE LOCATION OF EXISTING UNDERGROUND UTILITIES SHOWN IS APPROXIMATE AND HAS NOT BEEN VERIFIED. THE DRAWINGS MAKE NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. THE DRAWINGS DO NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LAYING OUT & POSITIONING OF ALL PROPOSED STRUCTURES AS SHOWN ON THE PROJECT DRAWINGS.

8. CONTRACTOR SHALL MAINTAIN ADEQUATE SURVEY CONTROL AT ALL TIMES TO ESTABLISH AND MAINTAIN ALL LINES AND ELEVATIONS.

9. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AS THEY RELATE TO NEW CONSTRUCTION. REPORT TO ENGINEER ALL OBSERVATIONS AND DISCREPANCIES BEFORE PROCEEDING WITH ANY WORK.

10. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE EXISTING CONDITIONS ARE NOT OBLITERATED BEFORE CONTROL POINTS ARE LOCATED AND CONSTRUCTION LAYOUT IS ESTABLISHED. THE CONSTRUCTION LAYOUT SHALL BE PROVIDED IN SUFFICIENT DETAIL, THEREBY ENABLING THEM TO CONSTRUCT THE PROJECT IN CONFORMITY WITH THE PLANS AND SPECIFICATIONS. SURVEY WILL BE PROVIDED BY THE CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR LAYOUT.

11. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS, LICENSES, CERTIFICATES OF INSPECTION AND PAY ALL LEGAL FEES IN CONNECTION WITH THE WORK OF THIS CONTRACT. THE OWNER HAS OBTAINED NECESSARY REGULATORY PERMITS REQUIRED FOR THE WORK IN REGULATED AREAS. THE CONTRACTOR SHALL REQUEST COPIES OF THOSE REGULATORY PERMITS AND MAKE PROVISION IN THIS WORK AND IN THE COST OF THE WORK FOR ALL APPLICABLE CONDITIONS OF THOSE PERMITS. FAILURE TO CONSIDER ANY CONDITION OF THE REGULATORY PERMITS AS A PART OF THE BID SHALL NOT RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITY TO APPLY THOSE CONDITIONS TO HIS WORK AT NO ADDITIONAL COST TO THE OWNER.

12. THESE DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE PROJECT REGULATORY PERMITS AND ALL CONDITIONS OF THOSE PERMITS. THE CONTRACTOR IS ADVISED THAT THE REGULATORY PERMITS FOR THIS PROJECT MAY CONTAIN ADDITIONAL REQUIREMENTS THAT, AFTER ANY ADDENDUM, SUPERSEDE THE DRAWING NOTES. THE CONTRACTOR IS FURTHER ADVISED THAT IN THE CASE OF ANY DISCREPANCIES WITHIN THE CONTRACT DOCUMENTS FOUND BEFORE CONSTRUCTION, THE FINAL DECISION AS TO WHAT INFORMATION TAKES PRECEDENCE WILL BE MADE BY THE ENGINEER OF RECORD ON THE BASIS OF THAT INTENT.

13. THE CONTRACTOR SHALL MAINTAIN A COPY OF THE CRMC ASSENT AND USACOE PERMIT ON SITE AND ADHERE TO ALL PERMIT STIPULATIONS.

14. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY CONSTRUCTION OPERATIONS INCLUDING ALL ACTIONS OR OMISSION OF ANY SUBCONTRACTORS, AGENTS OR EMPLOYEES. THE CONTRACTOR MUST ENSURE THAT THE CONDITIONS OF ALL PERMITS, SPECIFICATIONS AND FEDERAL, STATE, AND LOCAL REGULATIONS ARE STRICTLY ENFORCED. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ALL ASPECTS OF ON-SITE SAFETY INCLUDING ANY DAMAGE TO EXISTING STRUCTURES.

15. THE CONTRACTOR SHALL NOTIFY THE ENGINEER WHEN UNANTICIPATED OR APPARENTLY DANGEROUS CONDITIONS ARE UNCOVERED DURING CONSTRUCTION OR DEMOLITION.

16. CONTRACTOR SHALL AT ALL TIMES BE SOLELY RESPONSIBLE FOR EXERCISING REASONABLE PRECAUTION TO PROTECT THE HEALTH, SAFETY AND WELFARE OF ALL ON-SITE PERSONNEL, THE PUBLIC AND THE ENVIRONMENT DURING PERFORMANCE OF THE WORK DESCRIBED WITHIN THE CONTRACT DOCUMENTS. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE PROVISIONS OF FEDERAL, STATE AND LOCAL HEALTH AND SAFETY AND OCCUPATIONAL HEALTH AND SAFETY STATUTES AND CODES.

17. CONTRACTOR SHALL NOT STORE ANY MATERIALS BELOW MHW ELEVATION.

GENERAL NOTES (CONTINUED):

18. ALL TYPES OF WASTE GENERATED AT THE SITE SHALL BE DISPOSED OF IN A MANNER CONSISTENT WITH FEDERAL, STATE AND LOCAL REGULATIONS.

19. ALL WORK SHALL BE IN ACCORDANCE WITH THE LOCAL, STATE, FEDERAL, AND UTILITY COMPANY REQUIREMENTS.

20. IF DURING THE COURSE OF WORK UNFORESEEN CONDITIONS ARE ENCOUNTERED THE CONTRACTOR SHALL STOP WORK AND NOTIFY THE ENGINEER OF RECORD IMMEDIATELY FOR DISPOSITION.

21. DAMAGE TO ANY PROPERTY, PRIVATE OR OF PUBLIC TRUST, OCCURRING DURING THE CONSTRUCTION BY THE CONTRACTOR, SHALL BE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER AT THE EXPENSE OF THE CONTRACTOR.

22. THE CONTRACTOR SHALL USE ADEQUATE NUMBERS OF SKILLED WORKMEN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND METHODS NEEDED FOR PROPER PERFORMANCE OF THE WORK.

23. THE CONTRACTOR SHALL PROTECT ALL WETLANDS AND COASTAL RESOURCES FROM INTRUSION BY TURBID WATERS, CONSTRUCTION DEBRIS, CONSTRUCTION EQUIPMENT, OR PERSONNEL DURING ALL WORK ACTIVITIES.

24. WORK SHOWN ON THE PLANS FOR WHICH THERE ARE NO PARTICULAR DETAILS OR SPECIFICATIONS DOES NOT RELIEVE THE CONTRACTOR FROM FURNISHING AND INSTALLING THE WORK. THE CONTRACTOR SHALL THOROUGHLY EXAMINE THE CONTRACT DOCUMENTS AND PLANS AND INSPECT THE SITE, AND THE BID PRICE SHALL INCLUDE ALL SERVICES AND MATERIALS NECESSARY TO COMPLETE THE PROJECT. ANY CHANGES TO THE PROJECT OR THE INSTALLATION OF AN ITEM FOR WHICH NO PARTICULAR DETAIL OR SPECIFICATION WAS PROVIDED MUST BE REVIEWED BY AND MUST BE ACCEPTED AND APPROVED BY THE OWNER'S REPRESENTATIVE.

25. ALL REMOVE AND SALVAGE ITEMS SHALL BE SECURED AND STORED ONSITE.

26. PROVIDE ALL MATERIAL, EQUIPMENT, AND TOOLS NECESSARY TO COMPLETE THE WORK. THE OWNER WILL NOT PROVIDE SECURITY AND ASSUMES NO RESPONSIBILITY OR LIABILITY FOR ANY MATERIALS, EQUIPMENT OR TOOLS STORED AT ITS PROPERTY.

DESCRIPTION OF WORK

THE WORK COVERED UNDER THESE CONTRACT DOCUMENTS, INCLUDING THE DRAWINGS, GENERAL NOTES, CRMC PERMIT APPROVALS AND STIPULATIONS AND ALL REVISIONS, CONSIST OF PROVIDING ALL PLANT, LABOR, SUPERVISION, EQUIPMENT, APPLIANCES, AND MATERIALS AND IN PERFORMING ALL OPERATIONS IN CONNECTION WITH AT LEAST, BUT NOT NECESSARILY LIMITED TO, THE FOLLOWING ITEMS:

1. R&D EXISTING FLOATING DOCKS, ANCHORS/MOORINGS ASSOCIATED WITH THE FLOATING DOCKS, AND EXISTING STEEL PIPE PILES WITH HDPE SLEEVES;

2. INSTALLATION OF NEW FLOATING DOCKS, ASSOCIATED HARDWARE AND NEW STEEL PIPE PILES, AND;

3. INSTALLATION OF ALL ACCESSORY ITEMS INCLUDING BUT NOT LIMITED TO GANGWAYS, ELECTRICAL SYSTEM AND PEDESTALS, WATER SYSTEM, SEWER PUMP-OUT, SAFETY LADDERS, ETC..

THE CONTRACTOR SHALL PROVIDE ALL ITEMS AND ACCESSORIES REQUIRED TO COMPLETE ALL ASPECTS OF THE WORK NEEDED FOR A COMPLETE AND PROPER INSTALLATION, ALL IN STRICT ACCORDANCE WITH THE CONTRACT DOCUMENTS.

STEEL PIPE PILES

1. DOCK GUIDE PILES SHALL BE STEEL PIPE PILES WITH HDPE SLEEVES PER THE ENGINEER'S & CONCRETE DOCK MANUFACTURER'S REQUIREMENTS AS FURTHER OUTLINES BELOW. PILES HAVE BEEN DESIGNED TO WITHSTAND THE FEMA 1% FLOOD AND WIND EVENT, WITHOUT THE CONCRETE DOCKS BECOMING DETACHED FROM THE GUIDE PILES. DESIGN ASSUMES NO VESSELS AT THE FACILITY DURING THE STORM EVENT.

2. THE PROJECT DESIGN ASSUMES THE FOLLOWING STEEL PIPE PILES WILL BE USED TO ANCHOR THE DOCKS:
   2.1. PP24X0.5 STEEL PIPE PILES, WITH YIELD STRENGTH OF Fy = 50 KSI MINIMUM

3. PILES SHALL BE INSTALLED FULL LENGTH; NO SPLICES ARE ALLOWED IN THE DOCK PILES.

4. PILE TOLERANCES SHALL BE AS FOLLOWS:

   FOR PILES DRIVEN THROUGH DOCK WELLS, PILES SHOULD BE DRIVEN TO BE WITHIN ±1" OF BEING CENTERED IN THE WELL.

5. PILES SHALL BE INSTALLED IN A MANNER THAT DOES NOT DAMAGE THE NEW DOCKS. ANY DAMAGE CAUSED BY PILE DRIVING SHALL BE REPAIRED TO THE OWNERS AND DOCK MANUFACTURER'S SATISFACTION AT NO ADDED COST.

6. PREVIOUS SUBSURFACE INVESTIGATIONS INDICATE THAT BEDROCK WILL LIKELY BE ENCOUNTERED AT ALL PILE LOCATIONS. CONTRACTOR SHALL DRILL & SOCKET PILES INTO BEDROCK WHEN BEDROCK IS ENCOUNTERED. PILE ROCK SOCKETS SHALL BE GROUTED IN PLACE.

STEEL PIPE PILES CONTINUED:

7. PREVIOUS SUBSURFACE INVESTIGATIONS INDICATE HARD DRIVING, OBSTRUCTIONS AND BEDROCK SHOULD BE ANTICIPATED FOR ALL PILE INSTALLATIONS. REGARDLESS, THE CONTRACTOR SHALL INSTALL ALL PILES TO THE REQUIRED MINIMUM TIP ELEVATION (OR EMBEDMENT REQUIREMENTS) AS INDICATED IN THE PLANS. THIS MAY REQUIRE SPUDDING, ROLLERBITTING, AND/OR DRILLING THROUGH OBSTRUCTIONS/BEDROCK TO ADVANCE THE PILES. EXCAVATION OF OBSTRUCTIONS IS NOT ALLOWED DUE TO THE AFFECT ON LATERAL PILE CAPACITY. THERE SHALL BE NO ADDITIONAL COST TO THE OWNER IF OBSTRUCTIONS/BEDROCK AND/OR HARD DRIVING ARE ENCOUNTERED REQUIRING ANY OF THE MITIGATIVE MEASURES ABOVE TO COMPLETE PILE INSTALLATION (THIS INCLUDES USING OTHER MITIGATION MEASURES AS NECESSARY)

8. COAT ALL PIPE PILES ON THE OUTSIDE SURFACE STARTING 5 FT FROM THE BOTTOM OF THE PILE AND EXTENDING FULL LENGTH TO THE TOP OF THE PILE (E.G. FOR A 60 FT LONG PILE, THE UPPER 55 FT SHALL BE COATED).

FLOATING DOCKS:

1. CONCRETE FLOATING DOCKS TO BE DESIGNED BY THE DOCK MANUFACTURER. CONCRETE FLOATING DOCK SHOP DRAWINGS TO BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.

2. CONCRETE FLOATING DOCKS SHALL BE CONSTRUCTED TO MEET THE DIMENSIONAL REQUIREMENTS SHOWN ON THE PLANS.

3. CONCRETE FLOATING DOCK LIVE LOAD SHALL BE 100 PSF MINIMUM. A CONCENTRATED LOAD OF 500 LBS LOCATED ANYWHERE ALONG THE DOCK SHALL NOT TILT THE DOCK MORE THAN 4 DEGREES IN THE HORIZONTAL PLANE.

4. THE CONCRETE DOCK SHALL HAVE 24" ± 1" OF FREEBOARD AT FULL DEAD LOAD.

5. THE CONCRETE DOCK SHALL BE SO CONSTRUCTED (BALLASTED) SUCH THAT CONCENTRATED LOADS FOR THE GANGWAY AND GANGWAY PLATFORM SHALL NOT CAUSE EXCESSIVE DOCK TILT (MORE THAN 2 DEGREES) IN EITHER DIRECTION.

6. CONCRETE FLOATING DOCKS SHALL BE CONSTRUCTED TO SURVIVE A CATEGORY 4 STORM (140 MPH, 3-SEC. GUST) AND THE 1% COASTAL STORM EVENT AS DESCRIBED IN FEMA FLOOD INSURANCE STUDY NUMBER 44005CV000C. SURVIVAL SHALL MEAN FLOATING DOCKS DO NOT SUSTAIN DAMAGE THAT WOULD RENDER THEM UNUSABLE, AND THE CONNECTIONS BETWEEN THE DOCKS DO NOT FAIL.

7. ALL HARDWARE USED IN THE CONSTRUCTION AND CONNECTIONS OF FLOATING DOCKS SHALL BE HOT DIPPED GALVANIZED OR STAINLESS STEEL GRADE 316.

8. ALL GANGWAYS AND GANGWAY LANDINGS TO BE CONSTRUCTED OF MARINE GRADE ALUMINUM WITH NON SKID WALKING SURFACES CAPABLE OF SUSTAINING A MINIMUM LIVE LOAD OF 100 PSF.

DESIGN CRITERIA:

1. ALL DIMENSIONS ARE IN FEET AND DECIMAL FEET. ELEVATIONS ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

2. FLOATING DOCKS ARE TO BE DESIGNED FOR TYPE IIA MOORING SERVICE, THIS CATEGORY COVERS MOORINGS FOR STANDARD WEATHER (SUSTAINED WINDS OF LESS THAN 50 KNOTS) AND CURRENTS LESS THAN 1.5 KNOTS.

3. LIVE LOAD - UNIFORMLY DISTRIBUTED LOAD OF 100 POUNDS PER SQUARE FOOT.

4. NORMAL TIDAL RANGE - 3.5± FT.

5. WAVE LOADS - IF WAVES ARE IN EXCESS OF THE FOLLOWING OPERATIONAL PARAMETERS, ALL OPERATIONS AND BERTHING SHALL BE TERMINATED UNTIL CONDITIONS SUBSIDE TO BELOW THE FOLLOWING CONDITIONS: SEAS IN EXCESS OF +1 FT. (MHHW).

6. CURRENTS - DESIGN CURRENT ON MOORED VESSEL = 3% OF WIND = 1.5 KNOTS.

7. TEMPERATURE RANGE = 60 DEGREES FAHRENHEIT ABOVE AND BELOW MEAN AMBIENT TEMPERATURE.

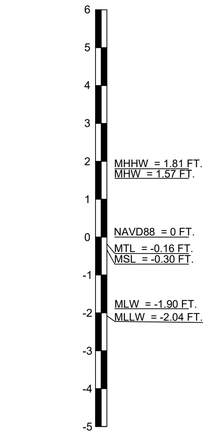
8. BERTHING FORCES: BERTHING SPEED (ALL VESSELS) 1FT/SEC.

ABBREVIATIONS

AB	ANCHOR BOLT	MAX	MAXIMUM
ADDL	ADDITIONAL	MECH	MECHANICAL
ALT	ALTERNATE	MFR	MANUFACTURER
ALUM	ALUMINUM	MHW	MEAN HIGH WATER
A.P.	ASSESSORS PLAT	MHHW	MEAN HIGHER HIGH WATER
ARCH	ARCHITECTURAL	MLW	MEAN LOW WATER
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	MLLW	MEAN LOWER LOW WATER
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	MTL	MEAN TIDE LEVEL
BIT.	BITUMINOUS CONCRETE	MSL	MEAN SEA LEVEL
BM	BEAM	MPL	MARINA PERIMETER LIMITS
BOF	BOTTOM OF FOOTING	MIN	MINIMUM
BOT,B	BOTTOM	N/F	NOW OR FORMALLY
CJ	CONSTRUCTION JOINT	NIC	NOT IN CONTRACT
CLR	CLEAR	NTS	NOT TO SCALE
CL	CENTERLINE	OAL	OVERALL LENGTH
CMU	CONCRETE MASONRY UNIT	OC	ON CENTER
COL	COLUMN	OF	OUTSIDE FACE
CONC	CONCRETE	O.H.D	OVERHEAD DOOR
CONT	CONTINUOUS	OPNG	OPENING
DEG	DEGREE	PC	PIECE
DET	DETAIL	PCF	POUNDS PER CUBIC FOOT
DIA	DIAMETER	PJF	PREMOLDED JOINT FILLER
DIR	DIRECTION	PLT	PLATE
DN	DOWN	PROJ	PROJECTION
D.M.H	DRAINAGE MANHOLE	PSF	POUNDS PER SQUARE FOOT
DWG	DRAWING	PSI	POUNDS PER SQUARE INCH
DWL	DOWEL	P.T.	PRESSURE TREATED
EA	EACH	R&D	REMOVE AND DISPOSE
EF	EACH FACE	SECT	SECTION
EJ	EXPANSION JOINT	SF	SQUARE FOOT
EL,ELEV	ELEVATION	SIM.	SIMILAR
EW	EACH WAY	SOE	SUPPORT OF EXCAVATION
EXTG	EXISTING	SPECS	SPECIFICATIONS
FD	FLOOR DRAIN	SQ	SQUARE
FF	FINISH FLOOR	S.M.H	SEWER MANHOLE
F&I	FURNISH AND INSTALL	SS	STAINLESS STEEL
FIN	FINISH	SSPC	STEEL STRUCTURES PAINTING COUNCIL
FL	FLOOR	STD	STANDARD
FTG	FOOTING	STL	STEEL
FREG	FR ENGINEERING	STRUCT	STRUCTURAL
GA.	GAUGE	SWL	STILL WATER LEVEL
GALV	GALVANIZE (HOT DIP)	SYM	SYMMETRICAL
HDG	HOT DIPPED GALVANIZED	THK	THICK
HORIZ, H	HORIZONTAL	TOC	TOP OF CONCRETE
HH	HEAVY HEX	TOF	TOP OF FOUNDATION
HP	HIGH POINT	TOW	TOP OF WALL
I.A.W	IN ACCORDANCE WITH	TOS	TOP OF SLAB or TOP OF STEEL
IF	INSIDE FACE	TR	TREADS
LG	LONG	TYP	TYPICAL
LLH	LONG LEG HORIZONTAL	UON	UNLESS OTHERWISE NOTED
LLV	LONG LEG VERTICAL	VERT,V	VERTICAL
LP	LOW POINT	WS	WATER STOP, WATER SURFACE
		WWF	WELDED WIRE FABRIC

LEGEND

- LIGHT PEDESTAL
- ELECTRIC PEDESTAL
- EXISTING STEEL PIPE PILES WITH HDPE JACKET (23" TOTAL DIAMETER)
- BOUNDARY
- 5 MAJOR CONTOUR
- 6 MINOR CONTOUR
- MH MANHOLE
- BRICK WALKWAY
- WG WATER VALVE
- S SEWER
- DRAIN
- GG GAS VALVE



DATUM INFORMATION
INFORMATION FOR NOAA TIDAL ELEVATION STATION 8452660 LOCATED IN NEWPORT, RHODE ISLAND - VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

FLOOD ZONE NOTE:

PORTIONS OF THESE PREMISES ARE SITUATED IN A ZONE 'VE' (EL. 13) AND A ZONE 'AE' (EL. 12) AS DESIGNATED ON THE "NATIONAL FLOOD INSURANCE PROGRAM, FIRM FLOOR INSURANCE RATE MAP NEWPORT COUNTY, RHODE ISLAND (ALL JURISDICTIONS) PANEL 177 OF 226 (ALL JURISDICTIONS) MAP NUMBER 44005C0177J MAP REVISED: SEPTEMBER 4, 2013. FEDERAL EMERGENCY MANAGEMENT AGENCY".

2346 Post Road, Suite 202 401-575-1569
Warwick, RI 02886 stephanie.robat@fr-eng.com

#	REVISION DESCRIPTION	DATE	BY
1	ISSUED FOR PERMIT	1-20-25	SMR

PERROTTI PARK FERRY DOCK REPLACEMENT
NEWPORT, RHODE ISLAND

GENERAL NOTES

STEPHANIE M. ROBAT
No. 12101
REGISTERED PROFESSIONAL ENGINEER
CIVIL 1/20/25

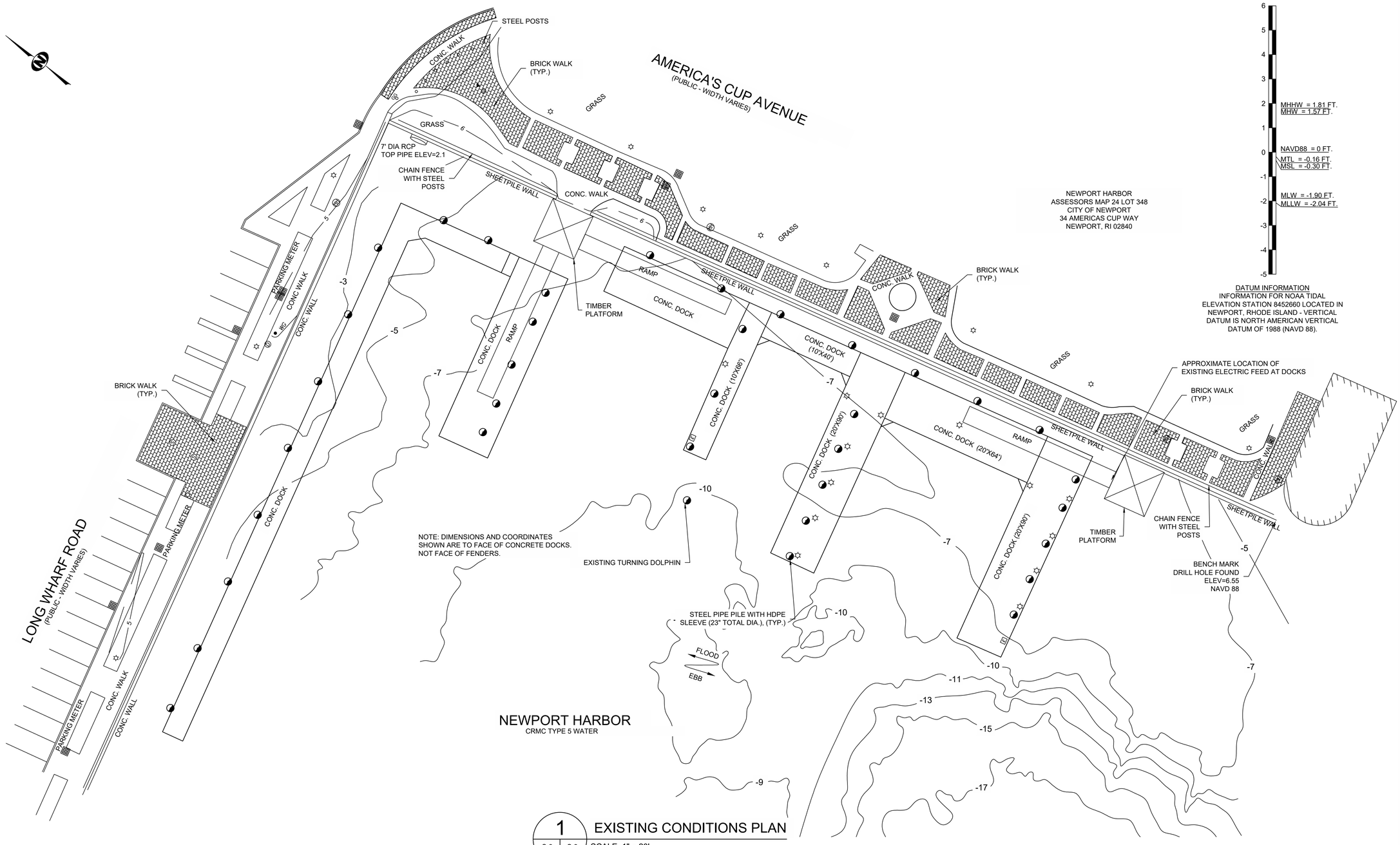
DATE:
JANUARY 20, 2025

DESIGN BY: SMR
DRAWN BY: ADS
CHECKED BY: SMR

PROJECT NUMBER:
23009.00

S-2

SHEET 2 OF 6



NEWPORT HARBOR
ASSESSORS MAP 24 LOT 348
CITY OF NEWPORT
34 AMERICAS CUP WAY
NEWPORT, RI 02840

DATUM INFORMATION
INFORMATION FOR NOAA TIDAL ELEVATION STATION 8452660 LOCATED IN NEWPORT, RHODE ISLAND - VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

1 EXISTING CONDITIONS PLAN
S-3 | S-3 SCALE: 1" = 20'

LEGEND

- LIGHT PEDESTAL
- E ELECTRIC PEDESTAL
- EXISTING STEEL PIPE PILES WITH HDPE SLEEVE (23" TOTAL DIAMETER)

NOTES:

1. THIS BASE PLAN WAS DEVELOPED FROM THE FOLLOWING FILES:
   - 1.1. AUTOCAD FILE TITLED '23-040 PERROTTI PARK LOCATIONS PLAN AND ELEVATIONS 7-26-23' BY CHRISTOPHER G. PALMER, PCS, TRANSMITTED TO FREG ELECTRONICALLY ON JULY 26, 2023.
   - 1.2. PDF PLAN TITLE 'EXISTING CONDITIONS PLAN, PERROTTI PARK, NEWPORT, RHODE ISLAND, ASSESSORS PLAT 24 LOT NO. 348', BY CHRISTOPHER G. PALMER, PCS, DATED JULY 26, 2023.
   - 1.3. BATHYMETRY BASED ON HYDROGRAPHIC DATA COLLECTED BY BOURNE CONSULTING ENGINEERING IN JULY 2008 AND CONVERTED TO NAVD88.
2. PORTIONS OF THESE PREMISES ARE SITUATED IN A ZONE 'VE' (EL. 13) AND A ZONE 'AE' (EL. 12) AS DESIGNATED ON THE "NATIONAL FLOOD INSURANCE PROGRAM, FIRM FLOOR INSURANCE RATE MAP NEWPORT COUNTY, RHODE ISLAND (ALL JURISDICTIONS) PANEL 177 OF 226 (ALL JURISDICTIONS) MAP NUMBER 44005C0177J MAP REVISED: SEPTEMBER 4, 2013. FEDERAL EMERGENCY MANAGEMENT AGENCY".

0 10 20 40
FULL SCALE (22X34 PRINT): 1" = 20'
HALF SCALE (11X17 PRINT): 1" = 40'

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PERROTTI PARK FERRY DOCK REPLACEMENT
NEWPORT, RHODE ISLAND

EXISTING CONDITIONS PLAN

STEPHANIE M. ROBAT
No. 12101
REGISTERED PROFESSIONAL ENGINEER
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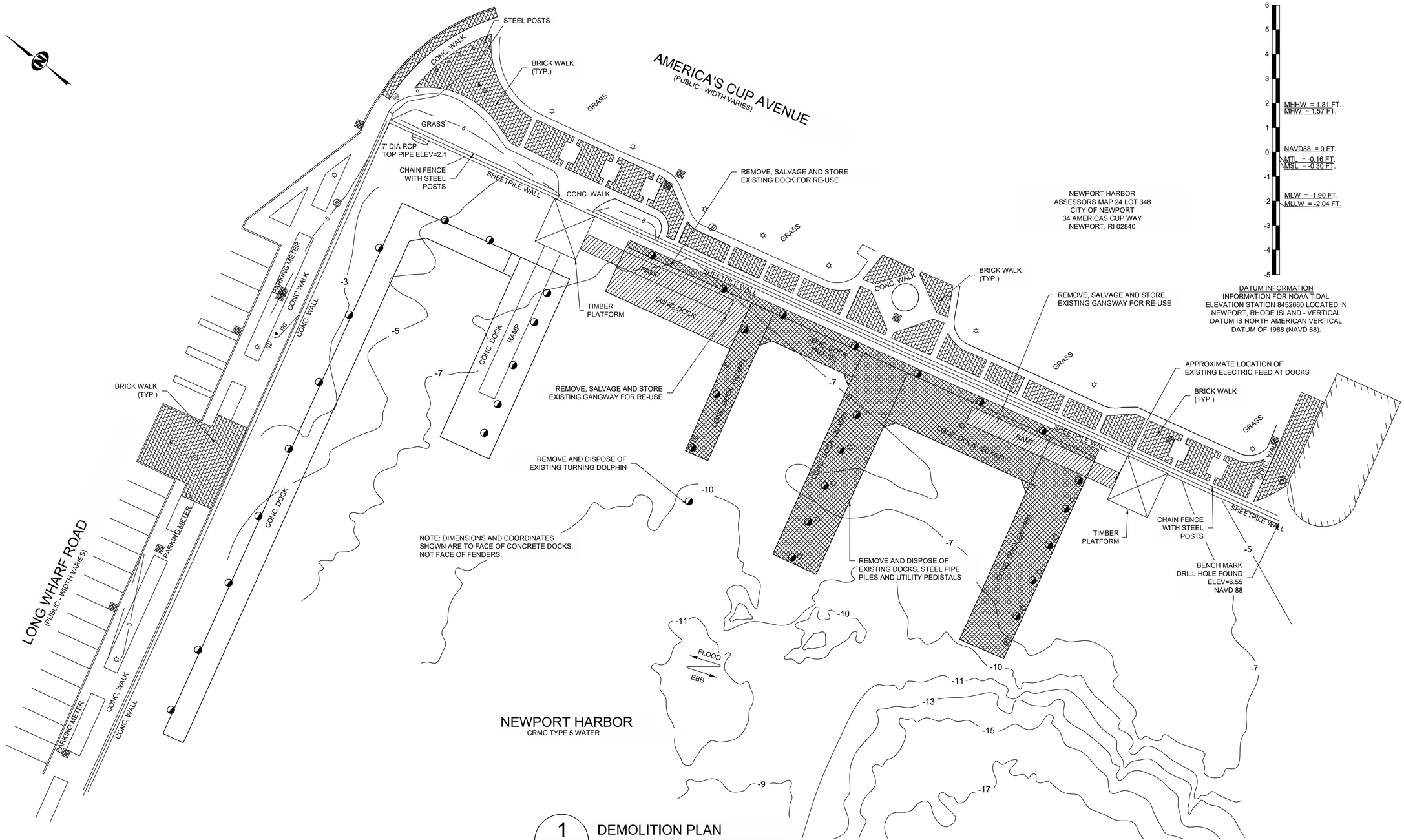
S-3

SHEET 3 OF 6



1 DEMOLITION PLAN

S-4 | S-4 SCALE: 1" = 20'

LEGEND

- LIGHT PEDESTAL
- ELECTRIC PEDESTAL
- EXISTING STEEL PIPE PILES WITH HDPE SLEEVE (23" TOTAL DIAMETER)

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NEWPORT, RHODE ISLAND

DEMOLITION PLAN

STEPHANIE M. ROBAT
No. 12101
REGISTERED PROFESSIONAL ENGINEER
CIVIL
1/20/25

DATE:
JANUARY 20, 2025

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PROJECT NUMBER:
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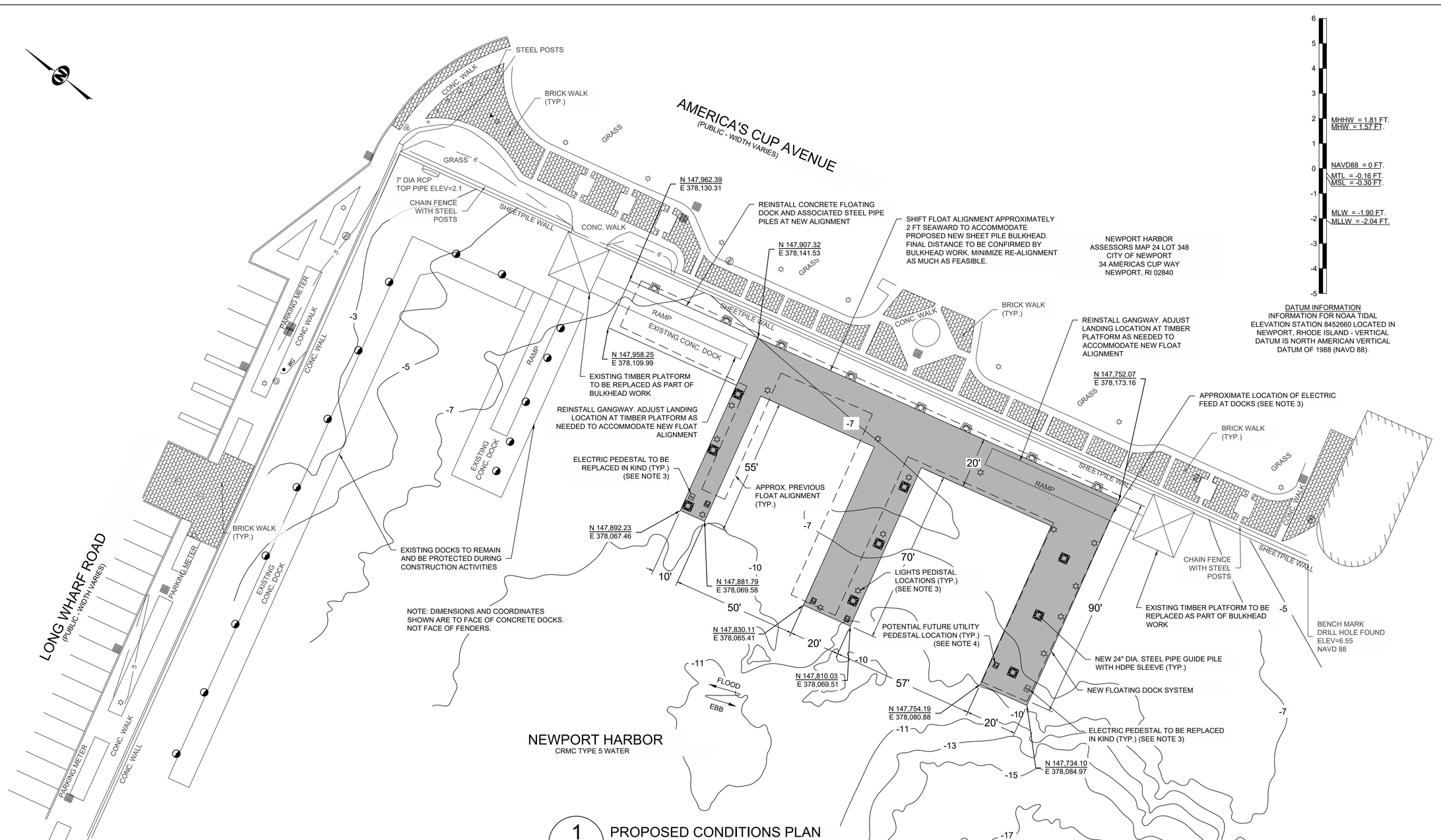
S-4

SHEET 4 OF 6



1 PROPOSED CONDITIONS PLAN
S-5 | S-5 SCALE: 1" = 20'

LEGEND

- LIGHT PEDESTAL
- ELECTRIC PEDESTAL
- EXISTING STEEL PIPE PILES WITH HDPE SLEEVE (23" TOTAL DIAMETER)
- PROPOSED INTERNAL GUIDE PILE
- PROPOSED EXTERNAL GUIDE PILE
- EXISTING FLOAT LAYOUT
- PROPOSED FLOAT LAYOUT

NOTES:

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3. EXISTING ELECTRIC, WATER, AND LIGHT PEDESTALS TO BE REPLACED IN KIND; EXISTING ELECTRIC AND WATER LINES TO BE RE-USED. CONTRACTOR TO INSPECT AND CONFIRM GOOD CONDITION OF EXISTING UTILITIES PRIOR TO RE-USE.
4. ADDITIONAL UTILITY PEDESTALS ARE NOT INCLUDED AS PART OF THIS WORK; HOWEVER, ADDITIONAL RACEWAYS TO BE INCLUDED IN FLOATS TO ALLOW FOR FUTURE UTILITY UPGRADES. PROPOSED RACEWAYS WITHIN NEW FLOATS TO BE A MINIMUM OF 6" IN DIAMETER. FINAL NUMBER OF ADDITIONAL RACEWAYS TO BE COORDINATED WITH AND APPROVED BY THE CITY.

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PERROTTI PARK FERRY DOCK REPLACEMENT
NEWPORT, RHODE ISLAND

PROPOSED CONDITIONS PLAN

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REGISTERED PROFESSIONAL ENGINEER
CIVIL 1/20/25

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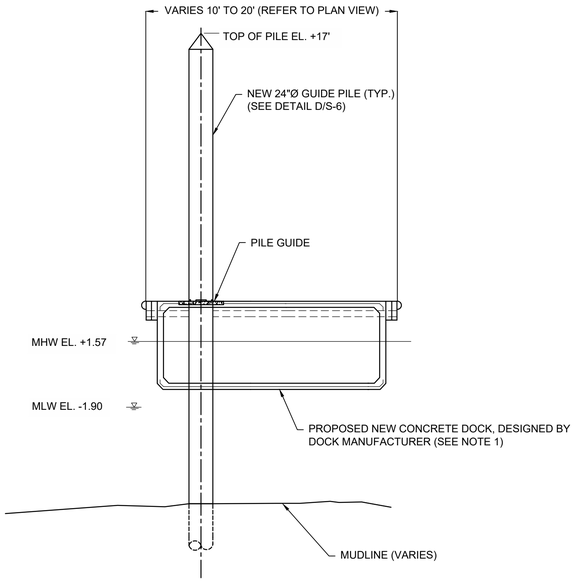
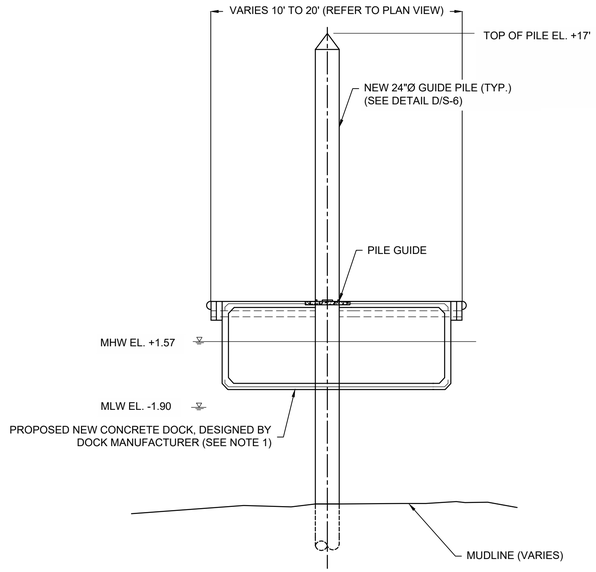
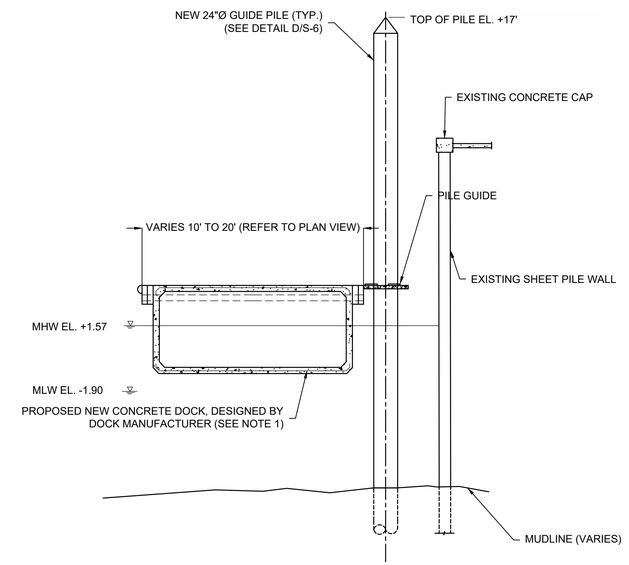
S-5
SHEET 5 OF 6



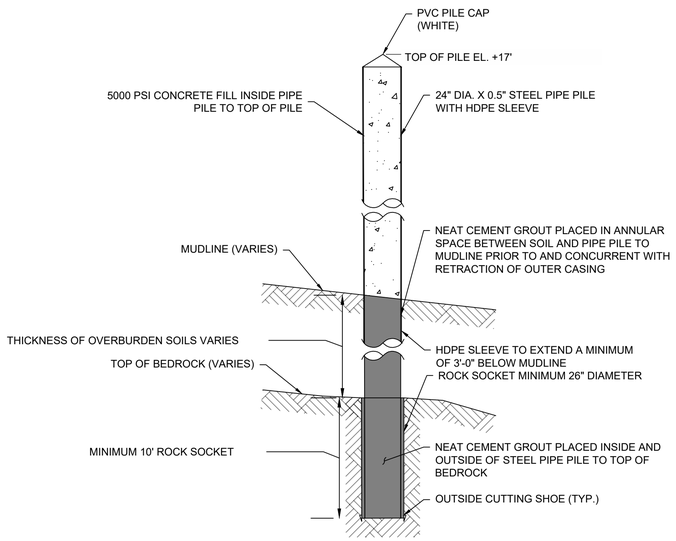
A TYPICAL PILE AND FLOATING DOCK TYPE A
S-6 | S-6
SCALE: NTS



B TYPICAL PILE AND FLOATING DOCK TYPE B
S-6 | S-6
SCALE: NTS



C TYPICAL PILE AND FLOATING DOCK TYPE C
S-6 | S-6
SCALE: NTS



D TYPICAL PILE AND ROCK SOCKET DETAIL
S-6 | S-6
SCALE: NTS

NOTES:

1. NEW CONCRETE FLOATING DOCKS TO BE DESIGNED BY DOCK MANUFACTURER; CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR NEW DOCKS TO ENGINEER/CITY FOR REVIEW AND APPROVAL PRIOR TO FABRICATING DOCKS.

2346 Post Road, Suite 202
Warwick, RI 02886
401-575-1569
stephanie.robat@fr-eng.com

#	REVISION DESCRIPTION	DATE	BY
1	ISSUED FOR PERMIT	1-20-25	SMR

PERROTTI PARK FERRY DOCK REPLACEMENT
NEWPORT, RHODE ISLAND

TYPICAL DETAILS

STEPHANIE M. ROBAT
No. 12101
REGISTERED
PROFESSIONAL ENGINEER
CIVIL 1/20/25

DATE:
JANUARY 20, 2025

DESIGN BY: SMR
DRAWN BY: ADS
CHECKED BY: SMR

PROJECT NUMBER:
23009.00

S-6

SHEET 6 OF 6