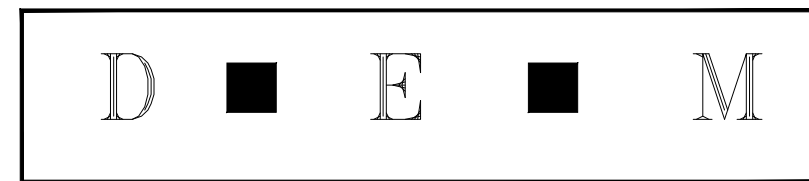


# STATE OF RHODE ISLAND

Sheet No.	Sheet Title	Rev. No.	Rev. Date
G-001	COVER SHEET		
G-002	GENERAL NOTES		
C-101	CONSTRUCTION ACCESS PLAN		
C-102	EXISTING CONDITIONS PLAN		
C-103	PROPOSED SITE PLAN		
S-101	EXISTING PIER 'A' PLAN		
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S-201	PROPOSED PIER 'A' ELEVATION AND PILE PLAN		
S-501	PROPOSED PIER 'A' DETAILS		



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
DIVISION OF PLANNING AND DEVELOPMENT

# PIER 'A' REMOVAL AND REPLACEMENT PORT OF GALILEE: 25004463: PHASE IV

NARRAGANSETT, RHODE ISLAND  
Pare Project No. 23153.01



**PARE CORPORATION**  
ENGINEERS - SCIENTISTS - PLANNERS

8 BLACKSTONE VALLEY PLACE  
LINCOLN, RI 02865  
401-334-4100

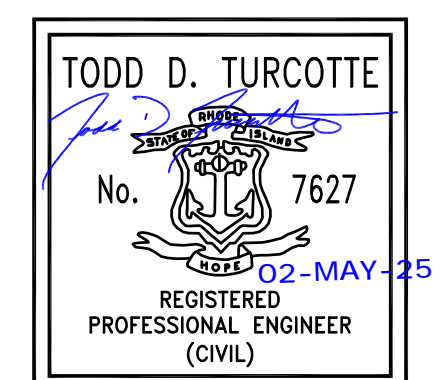
10 LINCOLN ROAD, SUITE 210  
FOXBORO, MA 02035  
508-543-1755

14 BOBALA ROAD, SUITE 2B  
HOLYOKE, MA 01040  
413.507.3448



## Locus Map

Scale: 1"=500'



REVISIONS		
NO.	DESCRIPTION	DATE
A	30% DEISGN IFCR	1/10/2025
B	ISSUED FOR PERMIT	5/2/2025

MAY 2025

ISSUED FOR PERM  
NOT FOR CONSTRUCTION  
IF PRINTED 11x17, DRAWING IS HALFSIZE

GENERAL NOTES:

1. FOR THE PURPOSE OF THIS PROJECT

OWNER - DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, STATE OF RHODE ISLAND  
235 PROMENADE STREET, FL. 3  
PROVIDENCE, RI 02908

ENGINEER - PARE CORPORATION  
10 LINCOLN ROAD, SUITE 210  
FOXBORO, MA 02035

CONTACT - TODD D TURCOTTE, PE

2. ALL CONSTRUCTION INDICATED ON THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE RHODE ISLAND STATE BUILDING CODE, ALL FEDERAL AND MUNICIPAL BUILDING CODES, AND THE SPECIFICATIONS INCLUDED IN THIS CONTRACT.

3. THE PROJECT SITE IS A WORKING COMMERCIAL FISHING PORT WITH LIMITED SHORESIDE ACCESS. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER TO REDUCE THE IMPACT TO FISHING OPERATIONS.

4. CONTRACTOR IS SOLELY RESPONSIBLE FOR MEANS, METHODS, AND SAFETY OF WORK.

5. THE CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH THE LEASE TENANTS THAT WILL BE IMPACTED BY DEMOLITION AND CONSTRUCTION, INCLUDING TEMPORARY REMOVAL AND REPLACEMENT OF ANY EQUIPMENT OR MATERIALS OWNED BY THE TENANTS THAT WILL BE AFFECTED BY THE WORK. (OWNER WILL BE NOTIFIED OF ANY WORK REQUIRED BY LEASE HOLDER IN ORDER FOR CONTRACTOR TO PERFORM WORK)

6. HORIZONTAL DATUM: RHODE ISLAND STATE PLANE - NAD83  
VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM - NAVD88

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS. PLANS SHALL NOT BE SCALED FOR DIMENSIONS.

8. NOTES, TYPICAL DETAILS, AND SCHEDULES APPLY TO ALL WORK UNLESS OTHERWISE NOTED. FOR CONDITIONS NOT SPECIFICALLY SHOWN, PROVIDE DETAILS OF SIMILAR NATURE.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OF ALL PROJECT DEMOLITION AND EXCESS MATERIAL IN ACCORDANCE WITH RHODE ISLAND, LOCAL, AND FEDERAL LAWS.

10. THE CONTRACTOR SHALL PROTECT ALL ADJACENT STRUCTURES AND UTILITIES.

11. THE CONTRACTOR SHALL FOLLOW ALL OSHA, FEDERAL, STATE, AND LOCAL STANDARDS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL SITE SAFETY PROCEDURES AND PRACTICES REGARDLESS OF THE PRESENCE OF THE OWNER OR ENGINEER.

12. THE CONTRACTOR WILL SUBMIT A CONSTRUCTION SCHEDULE TO THE OWNER. THE CONTRACTOR WILL UPDATE SCHEDULE AS NEEDED THROUGHOUT THE COURSE OF WORK.

13. THE CONTRACTOR SHALL STAGE ALL EQUIPMENT IN THE DESIGNATED STAGING AREAS. ALL GREASING AND REFUELING ACTIVITIES SHALL OCCUR IN THE STAGING AREAS. ALL NECESSARY MEASURES SHALL BE TAKEN TO PREVENT BY ANY METHOD, OIL, CONSTRUCTION DEBRIS, STOCKPILED MATERIALS, AND OTHER MATERIALS ON THE SITE, FROM ENTERING THE WATERWAY. STAGING/LAYDOWN AREAS SHALL BE RESTORED BY THE CONTRACTOR TO THE EXISTING CONDITION. IN ADDITION, THE CONTRACTOR SHALL REPLACE ALL DAMAGED MATERIALS AS A RESULT OF HIS OPERATIONS, TO THE SATISFACTION OF THE ENGINEER.

14. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT ALL CONSTRUCTION DEBRIS OR WASTE FROM FALLING INTO THE WATER. ANY DEBRIS FALLING INTO THE WATER SHALL BE RECOVERED AND PROPERLY DISPOSED OF.

15. THE CONTRACTOR SHALL MAINTAIN A SECURE SITE AND PROVIDE APPROPRIATE SAFETY MEASURES TO PREVENT ACCIDENTS. THE SAFETY MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO SIGNAGE, BARRICADES, FENCES, FLASHING WARNING LIGHTS, AND POLICING IF NECESSARY.

16. UPON COMPLETION OF THE PROJECT, CONTRACTOR DESIGN BUILDER WILL PROVIDE TWO AS-BUILT PLAN SETS, ONE ELECTRONIC PDF, AND ONE HARD COPY, TO THE OWNER DEPICTING ANY FIELD CHANGES OF DIMENSION OR DETAIL, LOCATION OF UNDERGROUND STRUCTURES AND/OR UTILITIES, CONSTRUCTION DEVIATIONS, CHANGES DUE TO FIELD OR CHANGE ORDER, AND DETAILS NOT ON THE ORIGINAL DRAWINGS.

17. THE PROJECT LIMITS IS LOCATED WITHIN THE FEMA FLOOD ZONE VE EL. 15 AND WILL BE INUNDATED DURING THE 100-YR STORM AS SHOWN ON THE WASHINGTON COUNTY FLOOD INSURANCE (FIS) MAP, PANEL 194/386, MAP NUMBER 44008C0194J. REVISED DATE OCT. 16, 2013

GENERAL SCOPE OF WORK

1. PRIOR TO PROJECT COMMENCEMENT, DESIGN BUILDER AND OWNER WILL NOTIFY AND COORDINATE WITH ALL STATE, LOCAL AND FEDERAL AUTHORITIES AS REQUIRED.

2. MOBILIZE CONSTRUCTION EQUIPMENT AND PERSONNEL TO THE SITE. UTILIZATION OF OFFSITE STAGING AREA WILL BE COORDINATED WITH THE OWNER AS APPROPRIATE AND AS NECESSARY. INSTALL EROSION CONTROLS.

3. PREVIOUS PIER TO BE DEMOLISHED AND REMOVED. IN PLACE PILES TO BE CUT AT MUDLINE WHEN NECESSARY.

4. INSPECT EXISTING SHEET PILE WALL DIRECTLY BEHIND PROPOSED PIER, AND IT'S REMAINING DESIGN LIFE TO BE ASSESSED. IF NECESSARY, DRIVE OVERSHEETING ALONG THE PROPOSED PIER CONNECTION, AND CAST A NEW CONCRETE CAP.

5. LAYOUT THE PRELIMINARY ALIGNMENT OF PILES SUCH THAT THE PROPOSED PIER'S NORTHERN EDGE IS ALIGNED WITH THE EXISTING PIER NORTHERN EDGE.

6. DRIVE NEW TIMBER SUPPORT PILES TO THE SPECIFIED DEPTH AS SEEN ON SHEET S-201.

7. INSTALL L ANGLE ON EXISTING CONCRETE BULKHEAD.

8. INSTALL NEW TIMBER PIER FRAMING AS INDICATED ON THE DRAWINGS.

9. INSTALL DECKING ON TOP OF INSTALLED STRINGERS.

10. INSTALL FENDER SYSTEM.

11. DEMOBILIZE AND RETURN DISTURBED AREAS OF THE SITE TO PRE-CONSTRUCTION CONDITIONS.

SEDIMENT AND EROSION CONTROL NOTES

1. CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL DEVICES FOR THE DURATION OF THE PROJECT.

2. CONTRACTOR SHALL PREVENT SEDIMENT FROM ENTERING THE WATERWAY VIA DISCHARGES THROUGH ANY DRAINAGE STRUCTURES OR RUNOFF FROM WITHIN THE LIMITS OF WORK.

3. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING, RESTORING AND REPAIRING ALL DAMAGE AS A RESULT OF UNAUTHORIZED WORK OR DISCHARGES AT NO ADDITIONAL COST TO THE OWNER.

4. SOIL STOCKPILES SHALL BE A MINIMUM OF 2-FEET FROM THE EDGE OF THE BULKHEAD TO LIMIT RUNOFF INTO THE HARBOR.

5. DISCHARGE OF TURBID WATER TO THE WATERWAY IS PROHIBITED.

STRUCTURAL TIMBER NOTES

1. TIMBER DESIGNATED AS TREATED SHALL BE PRESSURE TREATED IN ACCORDANCE WITH AWPA STANDARD C2, SERVICE CONDITION UC5A-B AS SPECIFIED IN THE TABLE BELOW.

2. STRUCTURAL DESIGN IS BASED ON SOUTHERN YELLOW PINE KD-19 WITH MINIMUM REFERENCE DESIGN VALUES AS SPECIFIED IN THE TABLE BELOW:

3. ALL TIMBER FRAMING MEMBERS SHALL BE ROUGH GRADED UNLESS OTHERWISE NOTED.

4. ALL NAILING REQUIREMENTS LISTED ARE BASED UPON THE USE OF COMMON WIRE NAILS (NOT SINKERS, BOX, ETC.). ALTERNATIVE NAIL TYPES OF EQUIVALENT DIAMETERS MAY BE SUBSTITUTED, WITH PRIOR APPROVAL OF ENGINEER OF RECORD.

5. ALL BOLTS, NUTS, WASHERS, LAGS, SCREWS, AND DRIFT PINS SHALL BE MEDIUM CARBON STEEL WITH GALVANIZED COATING. SIZE AND TYPE TO SUIT APPLICATION IN CONFORMANCE WITH ASTM A153.

6. BRUSH OR ROLLER APPLY TWO COATS OF WOOD PRESERVATIVE TO ANY SURFACE WHICH HAS BEEN FIELD CUT, DRESSED, OR DRILLED.

COMPONENT	BENDING Fb (PSI)	SHEAR Fv (PSI)	COMPRESSION PERP. TO GRAIN Fc (PSI)	COMPRESSION PAR. TO GRAIN Fc (PSI)	TREATMENT
6x12 RGH GRADE 1	1100	175	565	1450	0.80 CCA
10x12 CHOCK RGH GRADE 2	800	175	565	1300	0.80 CCA
12x12 RGH GRADE 1	750	175	565	1250	0.80 CCA
4x10 RGH DECKING GRADE 1	1150	175	375	N/A	0.23 MCA

TIMBER PILE NOTES

1. ALL TIMBER PILES ARE TO BE GREENHEART TIMBER PILES WITH A MINIMUM DIAMETER RANGING BETWEEN 12 AND 14-INCHES, 3 FEET FROM BUTT

1.1. BENDING STRESS = 20,000 PSI

1.2. MODULUS OF ELASTICITY = 3,000 KSI

1.3. MAXIMUM CRUSHING STRENGTH = 10,500 PSI

2. GREENHEART PILES TO HAVE TWO STAINLESS STEEL BANDS MINIMUM 1 FOOT FROM TOP OF PILE

3. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A PILE DRIVING LOG OF DRIVEN DEPTHS AND WILL BE RESPONSIBLE FOR REPORTING ANY PILE OR SET OF PILES NOT MEETING DESIGN REQUIREMENTS AS STATED ON THE SET OF PLANS

SPILL PREVENTION AND CONTROL NOTES

1. SPILLS AND LEAKS SHALL BE AVOIDED THROUGH FREQUENT INSPECTION OF EQUIPMENT AND MATERIAL STORAGE AREAS, AND SHALL BE REMEDIATED AND REPAIRED AS NECESSARY.

2. HAZARDOUS MATERIAL STORAGE TO BE PLACED ONLY IN DESIGNATED AREAS. MATERIAL STORAGE AREAS SHALL BE ROUTINELY INSPECTED FOR LEAKY CONTAINERS, OPEN CONTAINERS, OR IMPROPER STORAGE TECHNIQUES THAT MAY LEAD TO SPILLS OR LEAKS.

3. APPROPRIATE SPILL REMEDIATION PROCEDURES AND SUPPLIES SHALL BE READILY AVAILABLE ON-SITE. TOOLS AND SUPPLIES SHALL BE CLEARLY MARKED SO THAT ALL PERSONNEL CAN LOCATE AND ACCESS THESE SUPPLIES.

4. SPILL REMEDIATION SHALL BE PERFORMED IMMEDIATELY. CONTRACTOR SHALL FOLLOW PROPER RESPONSE PROCEDURES IN ACCORDANCE WITH ANY APPLICABLE REGULATORY REQUIREMENTS.

5. AT NO TIME SHALL SPILLS BE DIVERTED TOWARD STORM DRAINS OR TO THE WATERWAY.

6. EQUIPMENT/VEHICLE FUELING AND REPAIR/MAINTENANCE OPERATIONS SHALL TAKE PLACE ONLY WITHIN DESIGNATED STAGING AREAS.

7. THE EQUIPMENT OPERATOR SHALL FULLY MONITOR FUELING OPERATIONS TO EQUIPMENT AND VEHICLES AT ALL TIMES.

8. ANY SPILLAGE SHALL BE IMMEDIATELY CLEANED WITH SPILL KITS KEPT ON SITE.

9. IN THE CASE OF SMALL AMOUNTS OF SOIL CONTAMINATION, SUCH SOIL SHALL BE PLACED IN 55 GALLON DRUMS FOR DISPOSAL BY A LICENSED HAZARDOUS WASTE HAULER.

10. IN THE CASE OF A LARGE AMOUNT OF SOIL CONTAMINATION OR DISCHARGE TO THE WATERWAY, RHODE ISLAND DEM AND APPLICABLE AGENCIES SHALL BE NOTIFIED AS REQUIRED. A HAZARDOUS WASTE REMEDIATION FIRM SHALL BE CONTRACTED TO REMOVE AND DISPOSE OF THE CONTAMINATED MATERIAL OR CONTAIN THE SPILL AT NO ADDITIONAL COST.

LEGEND

EXISTING

NOT ALL ITEMS SHOWN WILL APPEAR ON THE SURVEY

BUILDING

ASPHALT

AP

N/F

(D)

(M)

(C)

(CA)

HC

ASSESSOR'S PLAT

NOW OR FORMERLY DEED

MEASURED

CALCULATED

CHORD ANGLE

HANDICAPPED

PROPERTY LINE

ASSESSORS LINE

TREELINE

GUARDRAIL

FENCE

STEEL SHEET PILE

STONE WALL

MINOR CONTOUR LINE

MAJOR CONTOUR LINE

WATER LINE

SEWER LINE

SEWER FORCE MAIN

GAS LINE

ELECTRIC LINE

OVERHEAD WIRES

DRAINAGE LINE

NAIL FOUND/SET

DRILL HOLE FOUND/SET

IRON ROD/PIPE FOUND/SET

BOUND FOUND/SET

SIGN

BOLLARD

SOIL EVALUATION

CATCH BASIN

DOUBLE CATCH BASIN

DRAINAGE MANHOLE

FLARED END SECTION

GUY POLE

ELECTRIC MANHOLE/HANDHOLE

UTILITY/POWER POLE

LIGHTPOST

SEWER/SEPTIC MANHOLE

SEWER VALVE

CLEANOUT

HYDRANT

IRRIGATION VALVE

WATER VALVE

WELL

MONITORING WELL

UNKNOWN MANHOLE

GAS VALVE

WETLAND FLAG

BORING

BUSH

TREE

BENCH MARK

TIMBER PILE

PROPOSED

EROSION CONTROL

STEEL SHEET PILE WALL

STRUCTURAL PERIMETER LIMIT (SPL)

LIMIT OF DISTURBANCE (LOD)

TIMBER PILE

FLOOD/EBB DIRECTION

PILE COLUMN NUMBERING INDEX

PILE BENT NUMBERING INDEX

WATER ELEVATION

DESIGN LOADS:

PIER LOADINGS

1. BERTHING AND MOORING LOADS

A. L (FT) .....

B. BM (FT) .....

C. DRAFT (FT) .....

D. GW (TONS, US) .....

E. DT (ASSUMED)(TONS, US) .....

F. SAIL AREA (SF) .....

G. CLASS .....

H. NAME .....

I. TYPE .....

J. DESIGN DREDGE DEPTH, MAX (FT) .....

K. WATER DENSITY (PCF) .....

L. WIND SPEED (MPH) .....

M. DESIGN FETCH (NM) .....

N. BERTHING CONDITION .....

O. BERTHING EXPOSURE .....

P. BERTHING VELOCITY (FT/SEC) .....

Q. BERTHING ENERGY (KIP-FT) .....

81

26

15

193

330

41,979

15

64

94

GOOD

EXPOSED

0.5

2.2

2. VERTICAL LOADS

A. PIER DESIGN LIVE LOAD (PSF) .....

B. GROUND SNOW LOAD (PSF) .....

C. DEAD LOAD (PSF) .....

D. BUILDING COLUMN DEAD LOAD .....

E. BUILDING COLUMN LIVE LOAD .....

F. BUILDING COLUMN WIND LOAD .....

250

30

SELF WEIGHT OF TIMBER MEMBERS

IN DEVELOPMENT BY OTHERS

IN DEVELOPMENT BY OTHERS

IN DEVELOPMENT BY OTHERS

3. HORIZONTAL LOADING

A. BUILDING WIND LOAD .....

B. FEMA FLOOD LOAD .....

IN DEVELOPMENT BY OTHERS

IN DEVELOPMENT BY OTHERS

MLW

NAVD88

OPERATIONAL EL = 5.10

OPERATIONAL EL = 5.10

HTL = 4.38

HTL = 2.60

MHHW = 3.29

MHW = 3.03

MHHW = 1.51

MHW = 1.25

NAVD 88 = 1.78

NAVD 88 = 0.00

MLW = 0.00

MLLW = -0.16

MLW = -1.78

MLLW = -1.94

DATUM INFORMATION

INTERPOLATED BASED ON

PT. JUDITH 8455083 & NEWPORT 8452660 STATIONS

ALL FIGURES IN FEET

\*BUILDING LOADS REFERENCE THE RHODE ISLAND STATE BUILDING CODE AND ASCE-7

REAGAN

MARINE CONSTRUCTION

Narragansett

DockWorks

PIER 'A' REMOVAL AND REPLACEMENT

PORT OF GALILEE: PHASE IV

NARRAGANSETT, RHODE ISLAND

RHODE ISLAND

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

TODD D. TURCOTTE

No. 7627

REGISTERED PROFESSIONAL ENGINEER (CIVIL)

2-MAY-25

REVISIONS:

A

01/10/2025

30% IFCR

B

05/02/2025

IFP

PROJECT NO.:

23153.01

DATE:

MAY 2025

SCALE:

AS NOTED

DESIGNED BY:

JPN

CHECKED BY:

TGD

DRAWN BY:

TJD

APPROVED BY:

TDT

DRAWING TITLE:

GENERAL NOTES

DRAWING NO.:

G-002

SHEET NO.

2

OF

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NOT FOR CONSTRUCTION

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RECEIVED

5/7/2025

COASTAL RESOURCES MANAGEMENT COUNCIL

V:\0625\23\_0625\23153.01\_RIGEM\_Civilian\_Phase\_4\_Narragansett\_DBE-r1\0625 - Rev A1-G-002\_GENERAL NOTES.dwg



CONSTRUCTION ACCESS PLAN  
SCALE: 1"=150'

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NOT FOR CONSTRUCTION  
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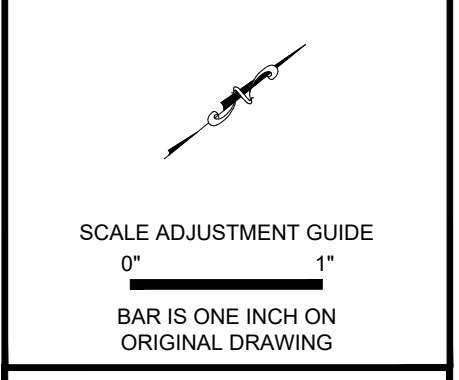
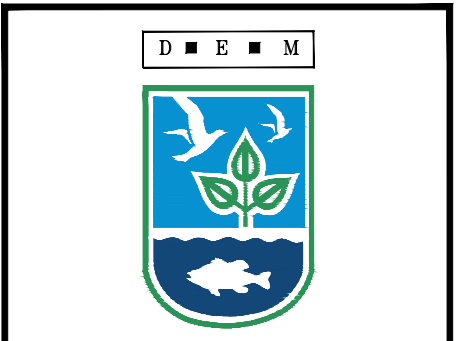
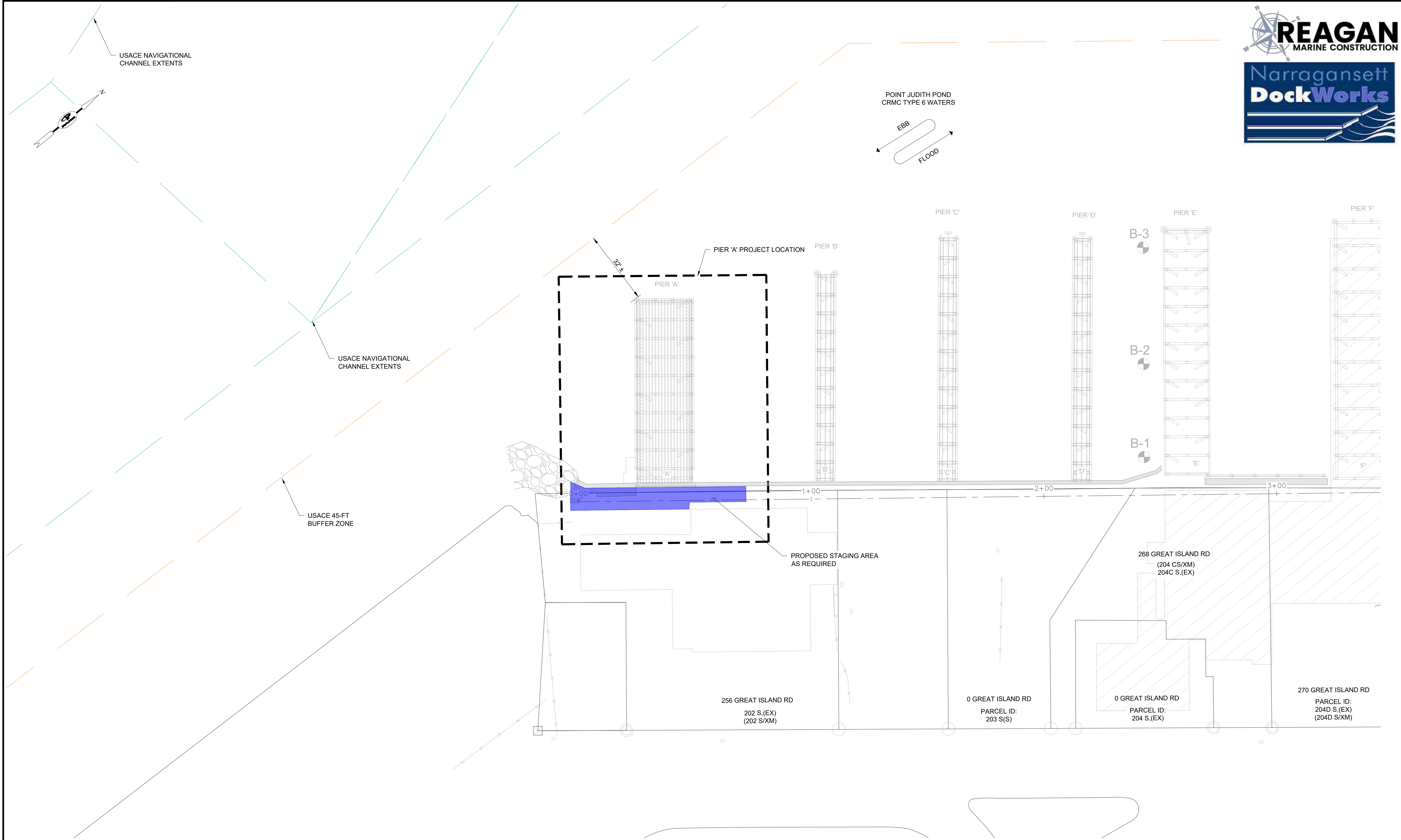
SCALE ADJUSTMENT GUIDE  
0" 1"  
BAR IS ONE INCH ON ORIGINAL DRAWING

PIER 'A' REMOVAL AND REPLACEMENT  
PORT OF GALILEE: PHASE IV  
NARRAGANSETT, RHODE ISLAND  
RHODE ISLAND  
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

TODD D. TURCOTTE  
  
No. 7627  
02-MAY-25  
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

REVISIONS:		
A	01/10/2025	30% IFCR
B	05/02/2025	IFP
PROJECT NO.: 23153.01		
DATE: MAY 2025		
SCALE: AS NOTED		
DESIGNED BY: JPN		
CHECKED BY: TGD		
DRAWN BY: TJD		
APPROVED BY: TDT		
DRAWING TITLE:		
CONSTRUCTION ACCESS PLAN		
DRAWING NO.: C-101		
SHEET NO. 3 OF 9		

RECEIVED  
157/2025  
COASTAL RESOURCES  
MANAGEMENT COUNCIL



PIER 'A' REMOVAL AND REPLACEMENT  
PORT OF GALILEE: PHASE IV  
NARRAGANSETT, RHODE ISLAND  
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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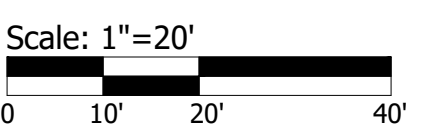
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CHECKED BY:		TGD
DRAWN BY:		TJD
APPROVED BY:		TDT
DRAWING TITLE:		

EXISTING CONDITIONS  
PLAN

DRAWING NO.:  
**C-102**  
SHEET NO. 4 OF 9

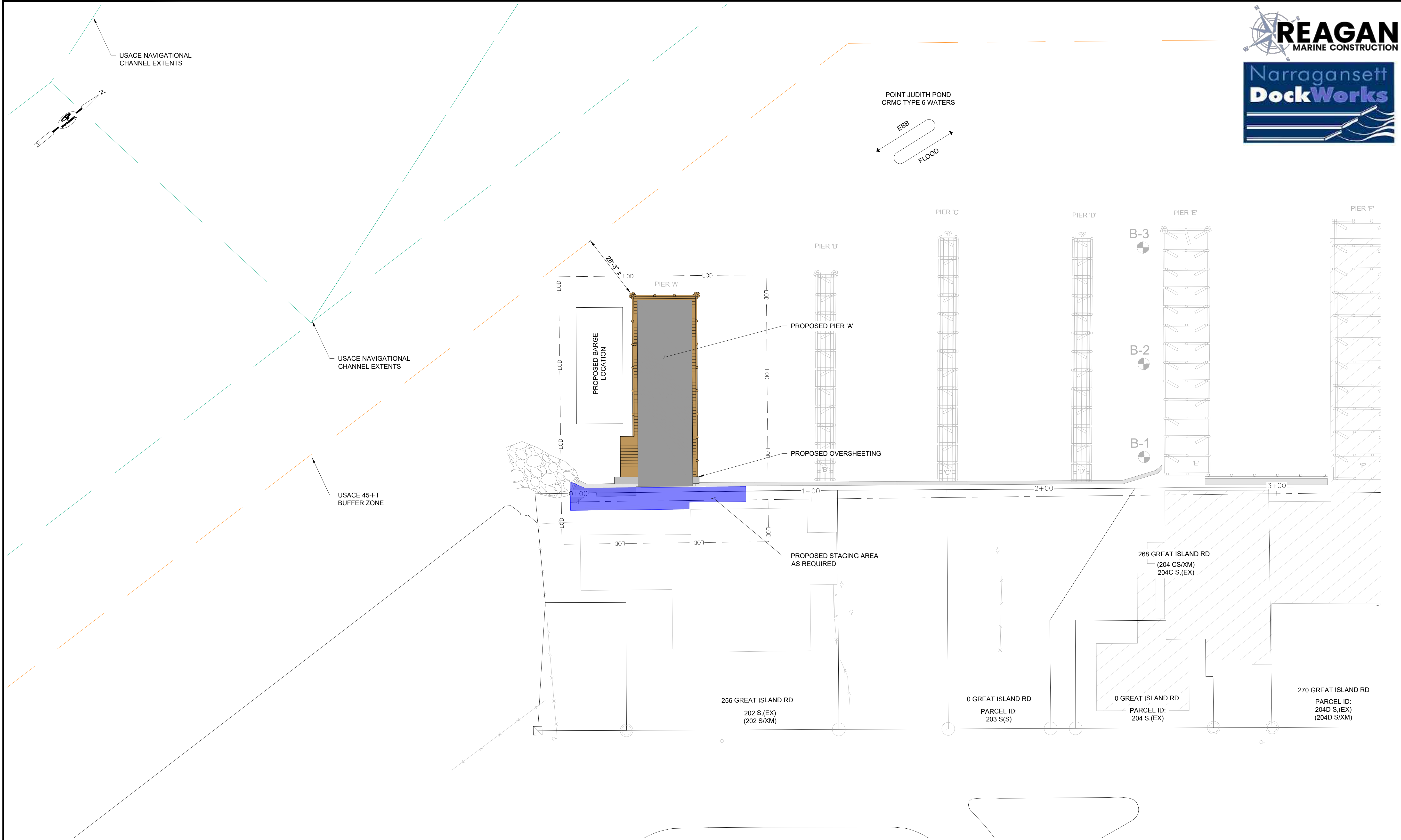


- NOTES:
- BORINGS REFERENCE BORING LOCATION PLAN AND LOGS COMPLETED IN MAY, 1999 BY GUILD DRILLING CO., INC.
  - ADDITIONAL BORINGS TO BE COMPLETED VIA A BARGE BY NDW IN 2025. BORINGS AT THE TIME OF THIS SUBMISSION HAVE NOT BEEN COMPLETED.
  - STATIONS REFERENCES A BASELINE BEGINNING AT THE CORNER OF THE SOUTH BULKHEAD TIE IN, SOUTH OF PIER 'A', AND TERMINATING AT THE RIGHT BULKHEAD TIE IN TO THE EAST OF PIER 'UU'.

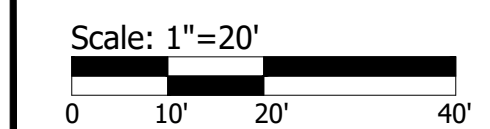


EXISTING LOCATION PLAN  
SCALE: 1"=20'

ISSUED FOR PERMIT  
NOT FOR CONSTRUCTION  
IF PRINTED 11x17, DRAWING IS HALFSCALE



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PROPOSED SITE PLAN  
SCALE: 1"=20'

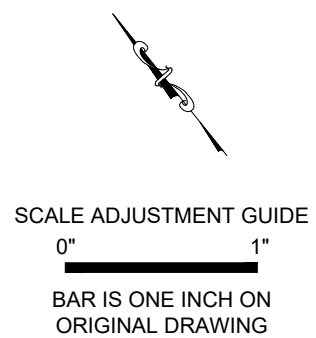
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PIER 'A' REMOVAL AND REPLACEMENT  
PORT OF GALILEE: PHASE IV  
NARRAGANSETT, RHODE ISLAND  
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

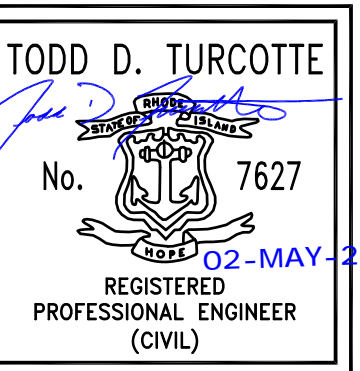
TODD D. TURCOTTE  
No. 7627  
02-MAY-25  
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

REVISIONS:		
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PROJECT NO.: 23153.01		
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CHECKED BY:		TGD
DRAWN BY:		TJD
APPROVED BY:		TDT
DRAWING TITLE:		
PROPOSED SITE PLAN		
DRAWING NO.: C-103		
SHEET NO. 5		OF 9

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157/2025  
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MANAGEMENT COUNCIL

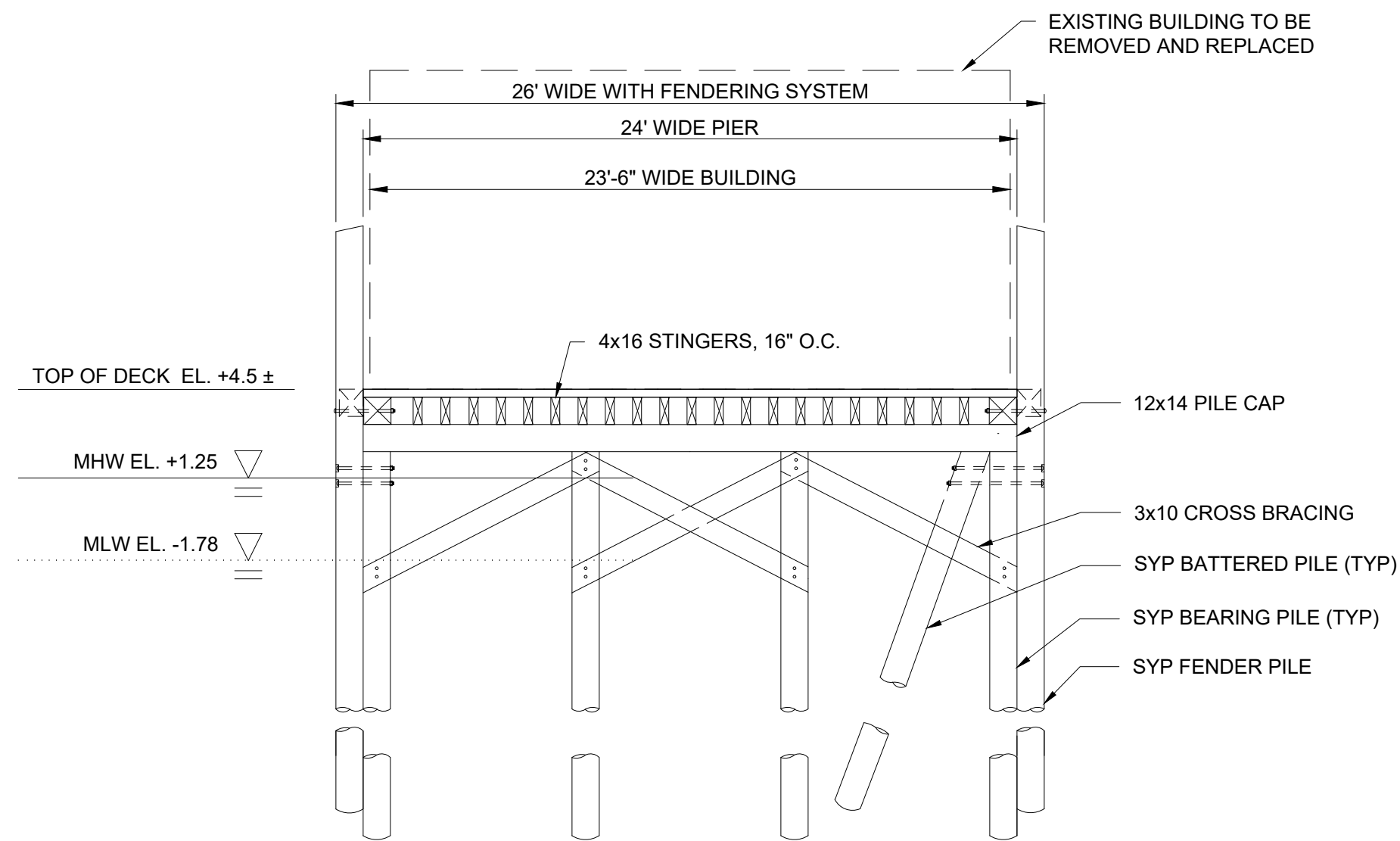


PIER 'A' REMOVAL AND REPLACEMENT  
PORT OF GALILEE: PHASE IV  
NARRAGANSETT, RHODE ISLAND  
RHODE ISLAND  
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

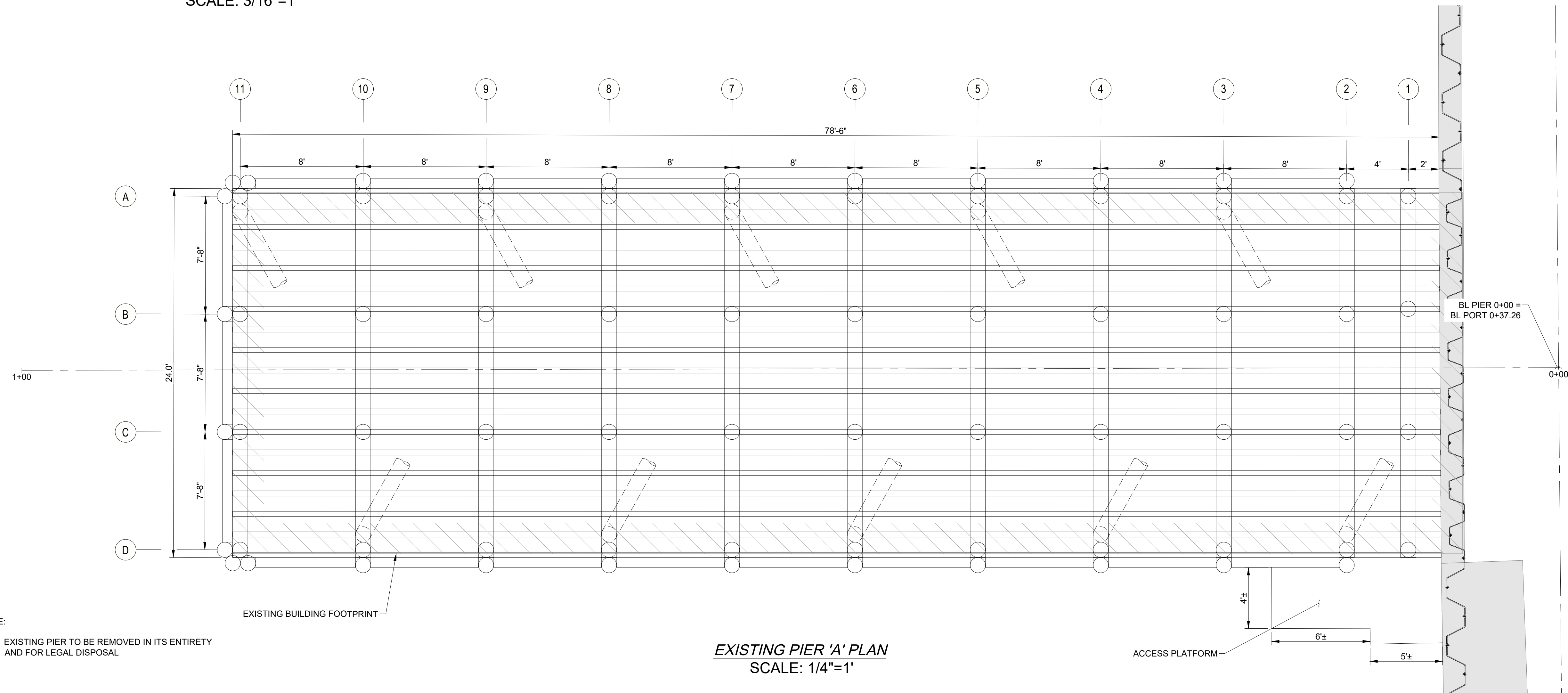


REVISIONS:		
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SCALE: AS NOTED		
DESIGNED BY: JPN		
CHECKED BY: TGD		
DRAWN BY: TJD		
APPROVED BY: TDT		
DRAWING TITLE:		

EXISTING PIER 'A'  
PLAN  
DRAWING NO.:  
**S-101**  
SHEET NO. 6 OF 9  
RECEIVED  
COASTAL RESOURCES  
MANAGEMENT COUNCIL  
5/7/2025



PIER 'A' EXISTING SECTION  
SCALE: 3/16"=1'



EXISTING PIER 'A' PLAN  
SCALE: 1/4"=1'

- NOTE:
- EXISTING PIER TO BE REMOVED IN ITS ENTIRETY AND FOR LEGAL DISPOSAL

ISSUED FOR PERMIT  
NOT FOR CONSTRUCTION  
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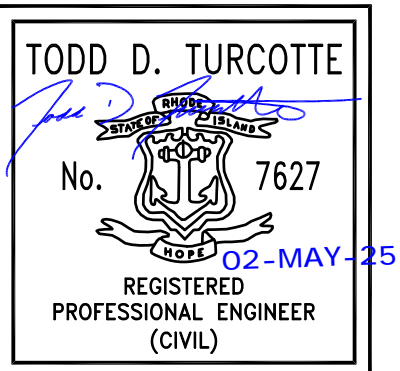


SCALE ADJUSTMENT GUIDE

0" 1"

BAR IS ONE INCH ON ORIGINAL DRAWING

PIER 'A' REMOVAL AND REPLACEMENT  
PORT OF GALILEE: PHASE IV  
NARRAGANSETT, RHODE ISLAND  
RHODE ISLAND  
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT



REVISIONS:

A	01/10/2025	30% IFCR
B	05/02/2025	IFP

PROJECT NO.:	23153.01
DATE:	MAY 2025
SCALE:	AS NOTED
DESIGNED BY:	JPN
CHECKED BY:	TGD
DRAWN BY:	TJD
APPROVED BY:	TDT
DRAWING TITLE:	

PROPOSED PIER 'A'  
PLAN

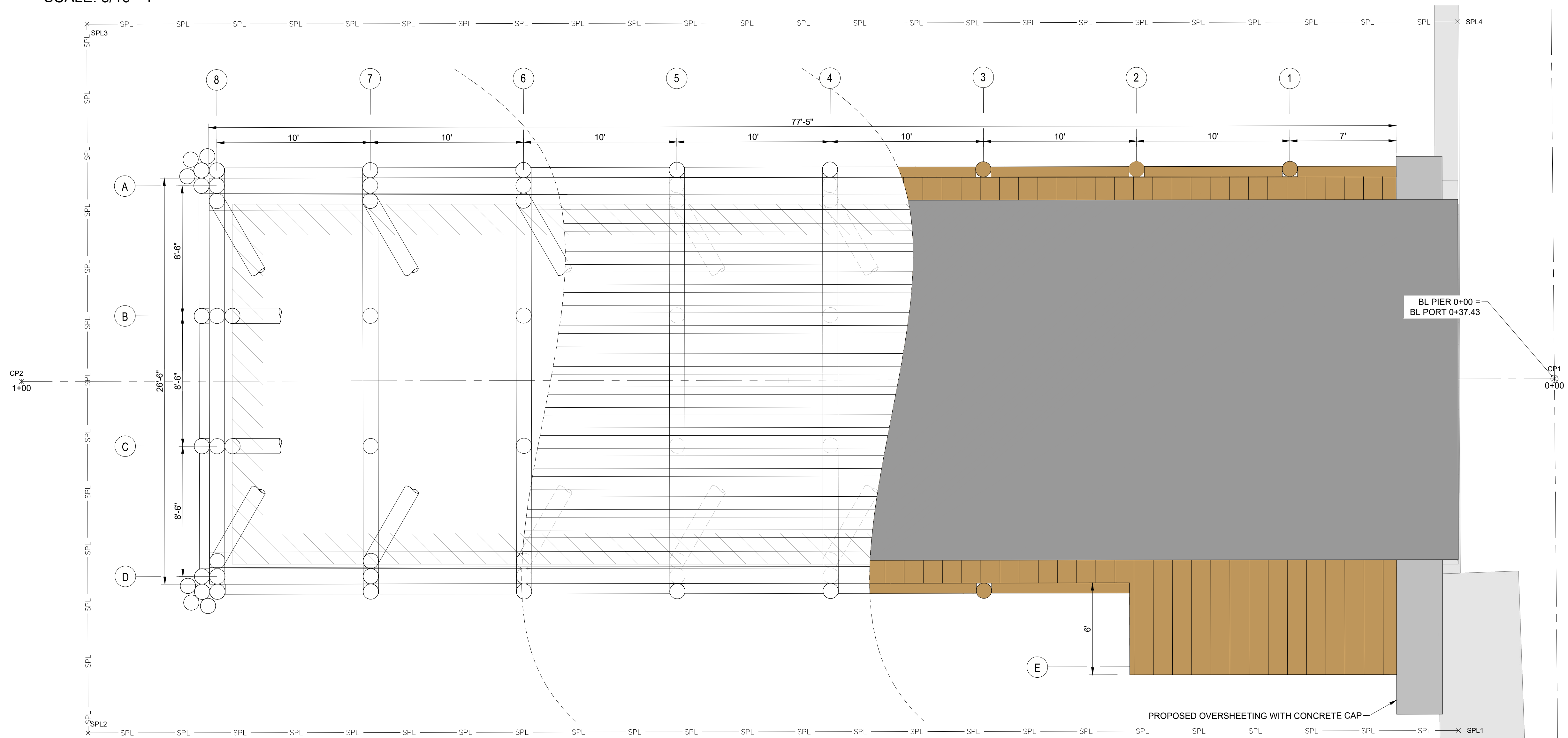
DRAWING NO.:  
**S-102**

SHEET NO. 7 OF 9

CONTROL POINTS & STRUCTURAL PERIMETER LIMIT		
POINT	Northing	Easting
CP2	107130.9983	324453.4641
CP1	107068.4221	324531.4632
SPL1	107054.4580	324512.2001
SPL2	107110.4130	324442.4553
SPL3	107146.4927	324471.4015
SPL4	107090.5350	324541.1473

NOTE:

1. POST DEMOLITION AND REMOVAL, THE EXISTING SHEET PILE WALL SHALL BE INSPECTED AND REASSESSED IN THE EXTENTS OF THE EXISTING PIER. OVERSHEETING WILL BE PROVIDED AS NECESSARY FOLLOWING INSPECTION.

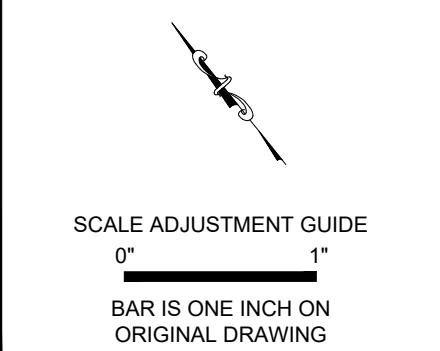
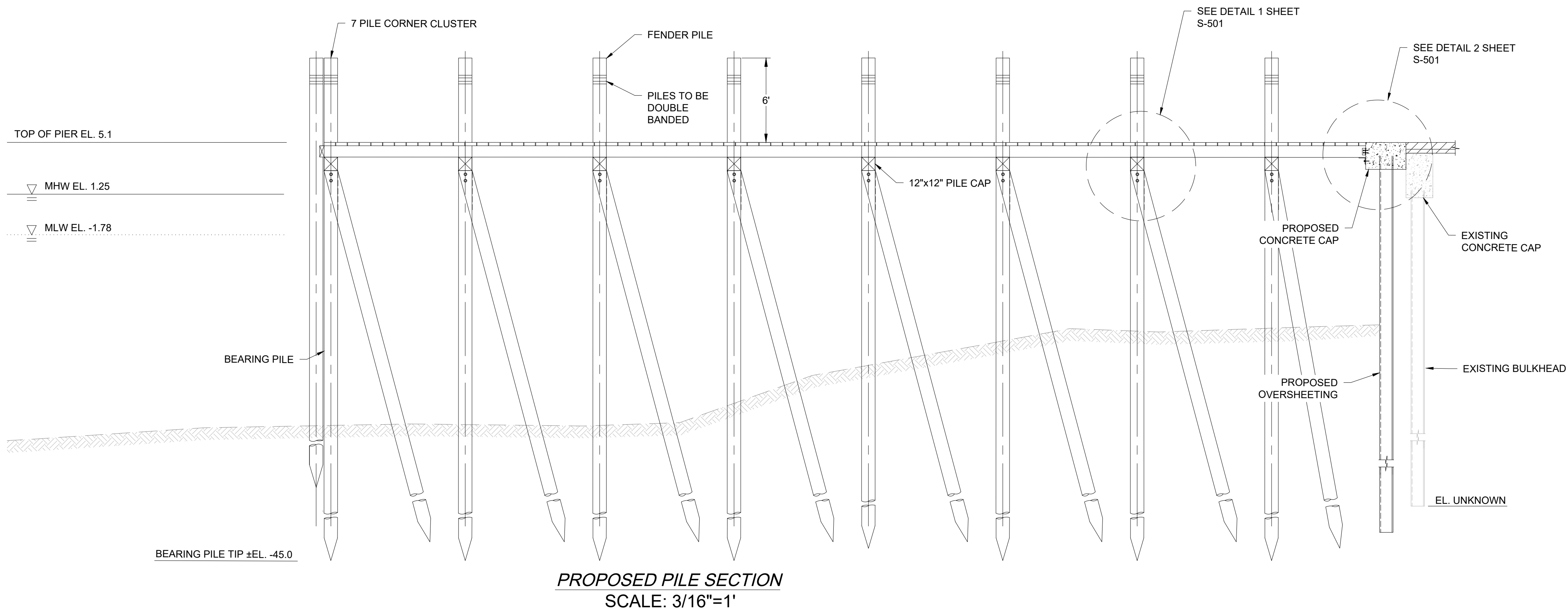
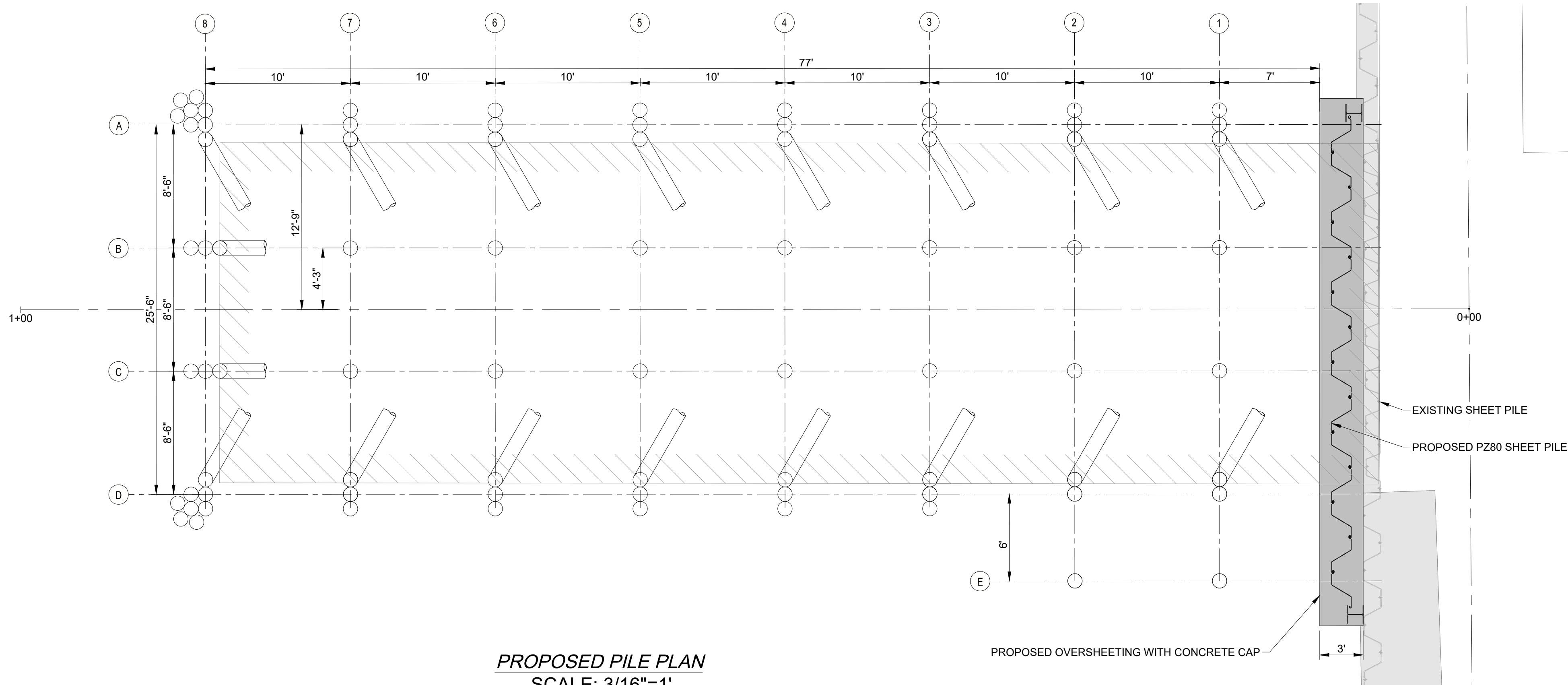


PROPOSED PIER 'A' PLAN  
SCALE: 1/4"=1'

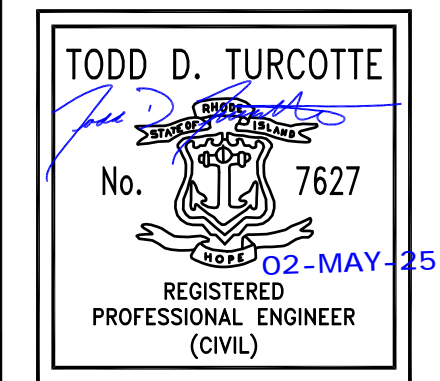
ISSUED FOR PERMIT  
NOT FOR CONSTRUCTION  
IF PRINTED 11x17, DRAWING IS HALFSCALE

\\JOGS\23 Jobs\23153.01 RIDEM Galilee Phase 4 NDW-Rescan DB-R\DWGS\ - Pier A\S-102 PROPOSED PIER 'A' PLAN.dwg

Y:\0603\23\0603\2315101\_RDEM\_Galilee\_Phase 4\_A06-Reagan\_OB-R\0603 - Per AS-201 PROPOSED PIER 'A' ELEVATION AND PILE PLAN.dwg



PIER 'A' REMOVAL AND REPLACEMENT  
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PROJECT NO.: 23153.01		
DATE: MAY 2025		
SCALE: AS NOTED		
DESIGNED BY: JPN		
CHECKED BY: TGD		
DRAWN BY: TJD		
APPROVED BY: TDT		
DRAWING TITLE:		

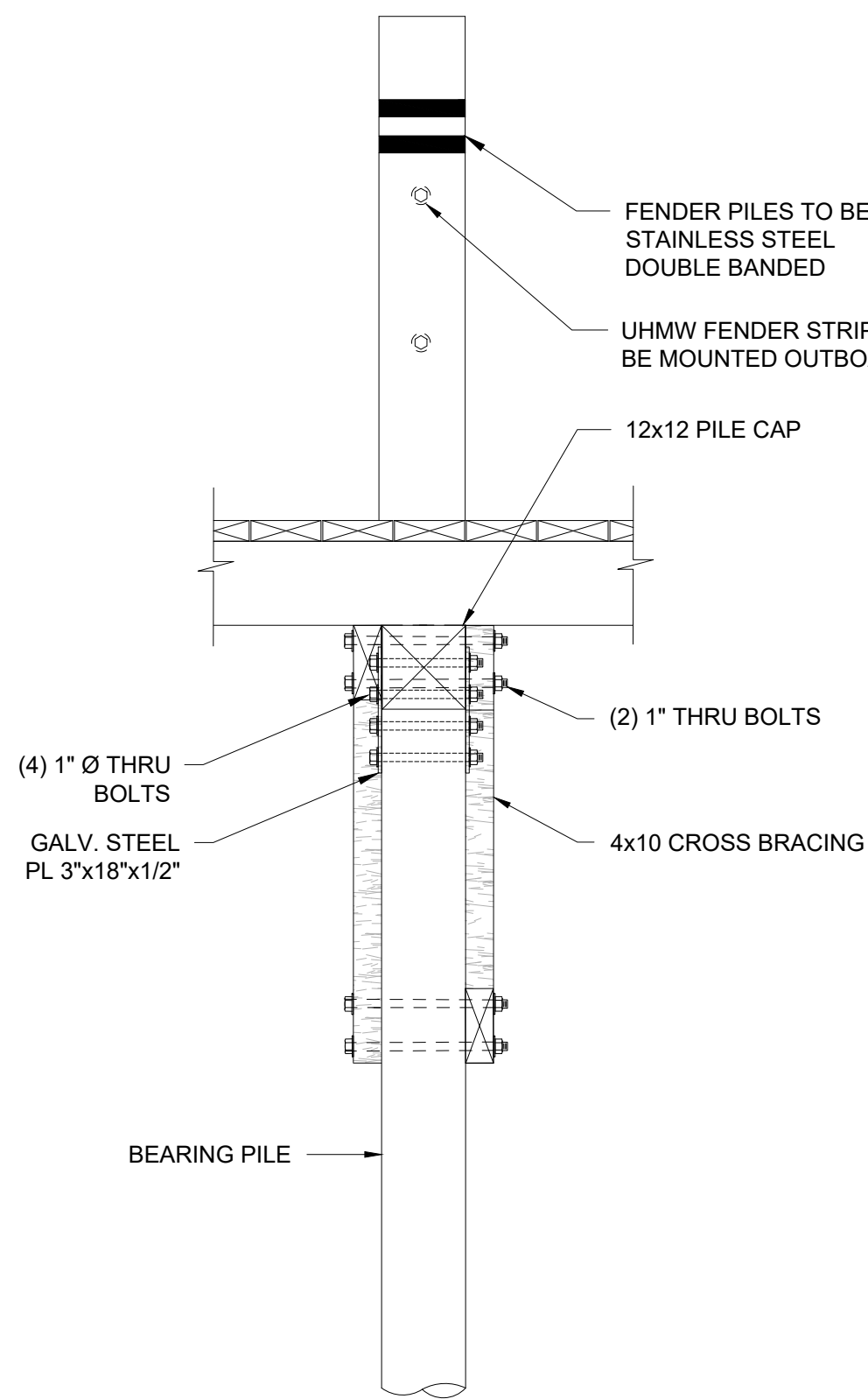
PROPOSED PIER 'A'  
ELEVATION AND PILE  
PLAN

DRAWING NO.:  
**S-201**  
SHEET NO. 8 OF 9

ISSUED FOR PERMIT  
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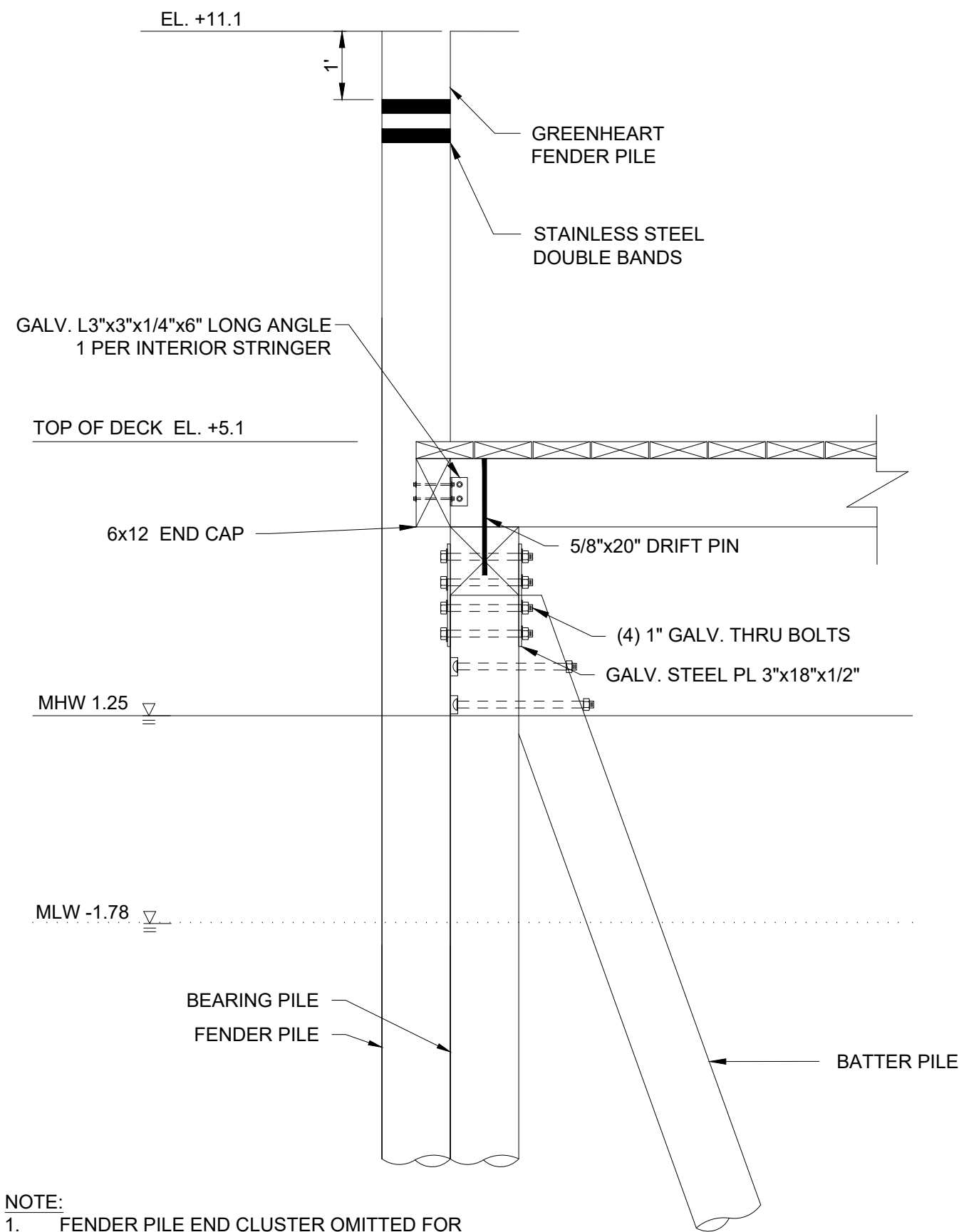
\\V065023\Jobs\23153.01\_RIDEEM\_Galleries\_Phase\_4\_NOR-Reagan\_08-10\DWGS - Per AIS-501\_PROPOSED\_PIER 'A' DETAILS.dwg



**DETAIL 1**  
**CROSS BRACING AND PILE CAP CONNECTION DETAILS**  
SCALE: 1/2" = 1'-0"

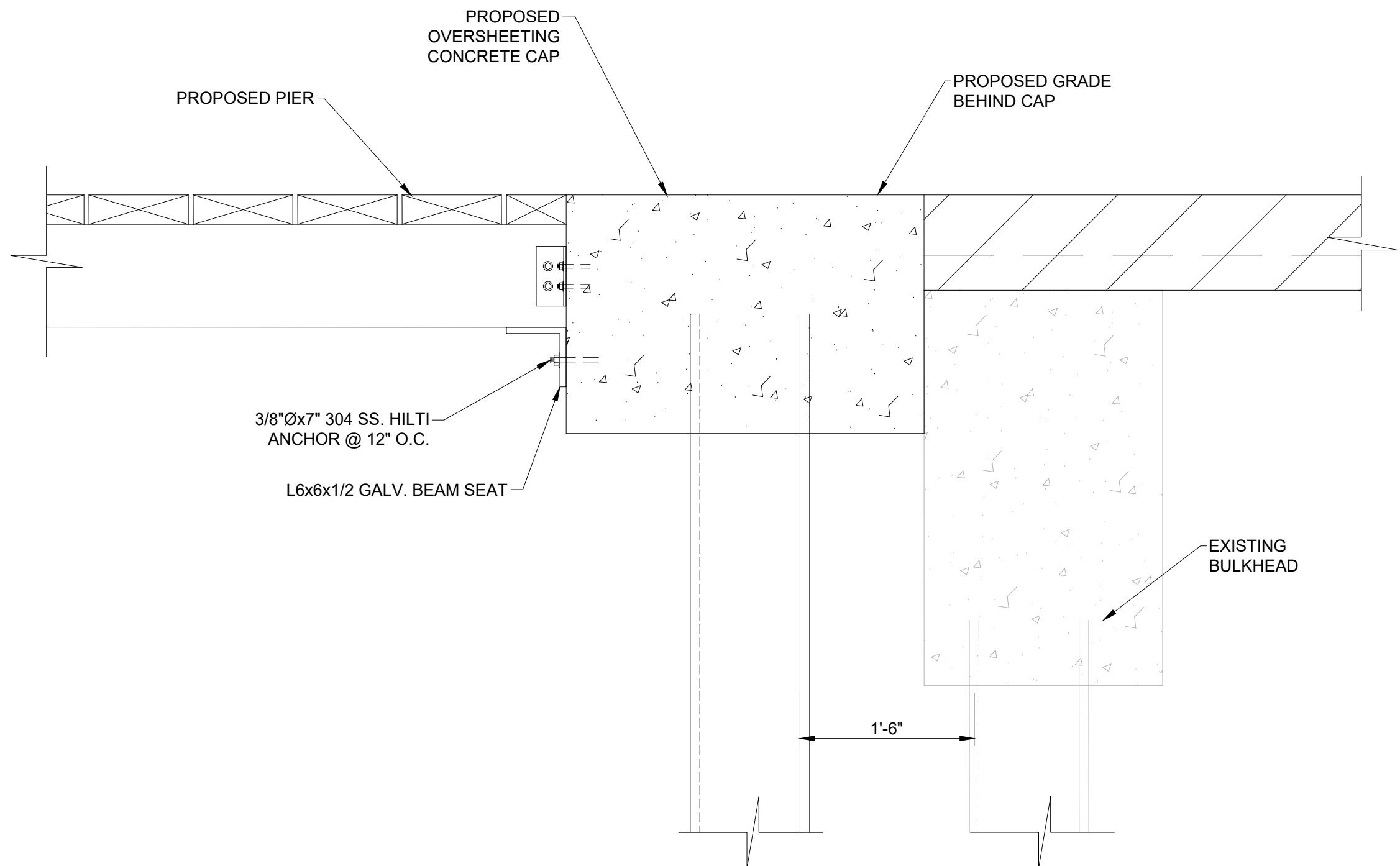
**NOTE:**

1. DOUBLE BANDING ON SUPPORT AND BATTER PILES NOT SHOWN FOR CLARITY. BAND POSITIONS TO VARY PENDING BATTER PILE AND BOLTING LOCATIONS.

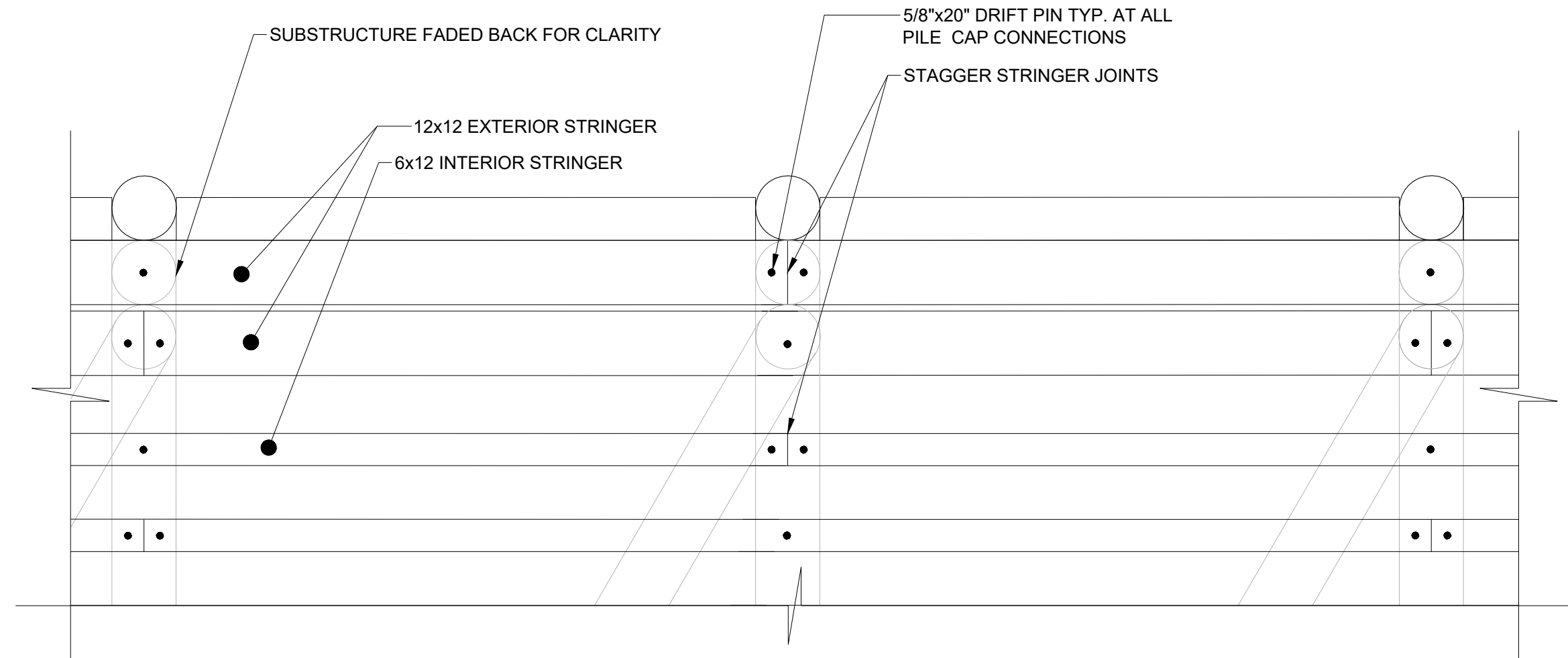


**END BENT DETAIL**  
SCALE: 1/2" = 1'-0"

- NOTE:**
1. FENDER PILE END CLUSTER OMITTED FOR CLARITY. SEE SHEET S-201 FOR ORIENTATION.



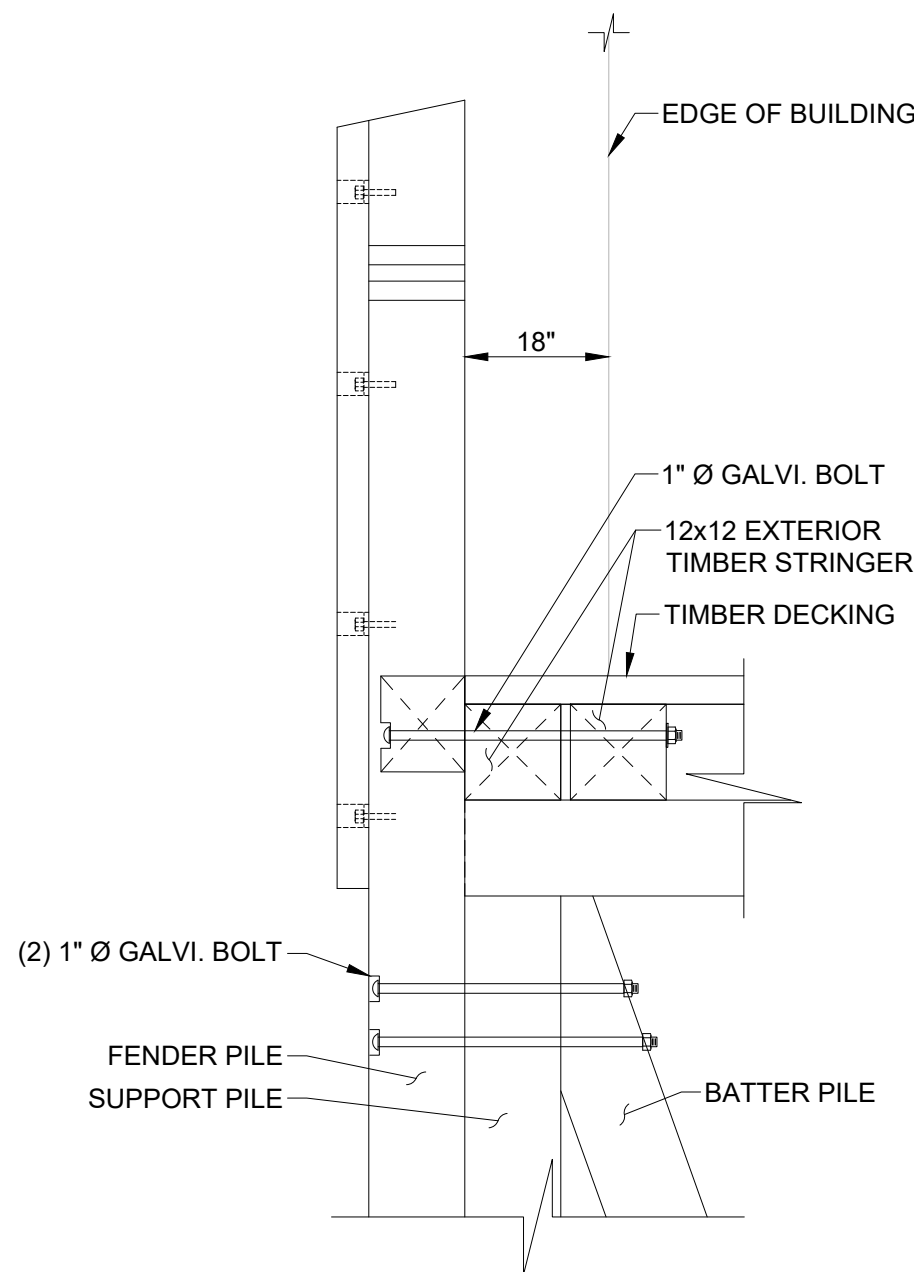
**DETAIL 2**  
**BULKHEAD CONNECTION**  
SCALE: 1/2" = 1'-0"



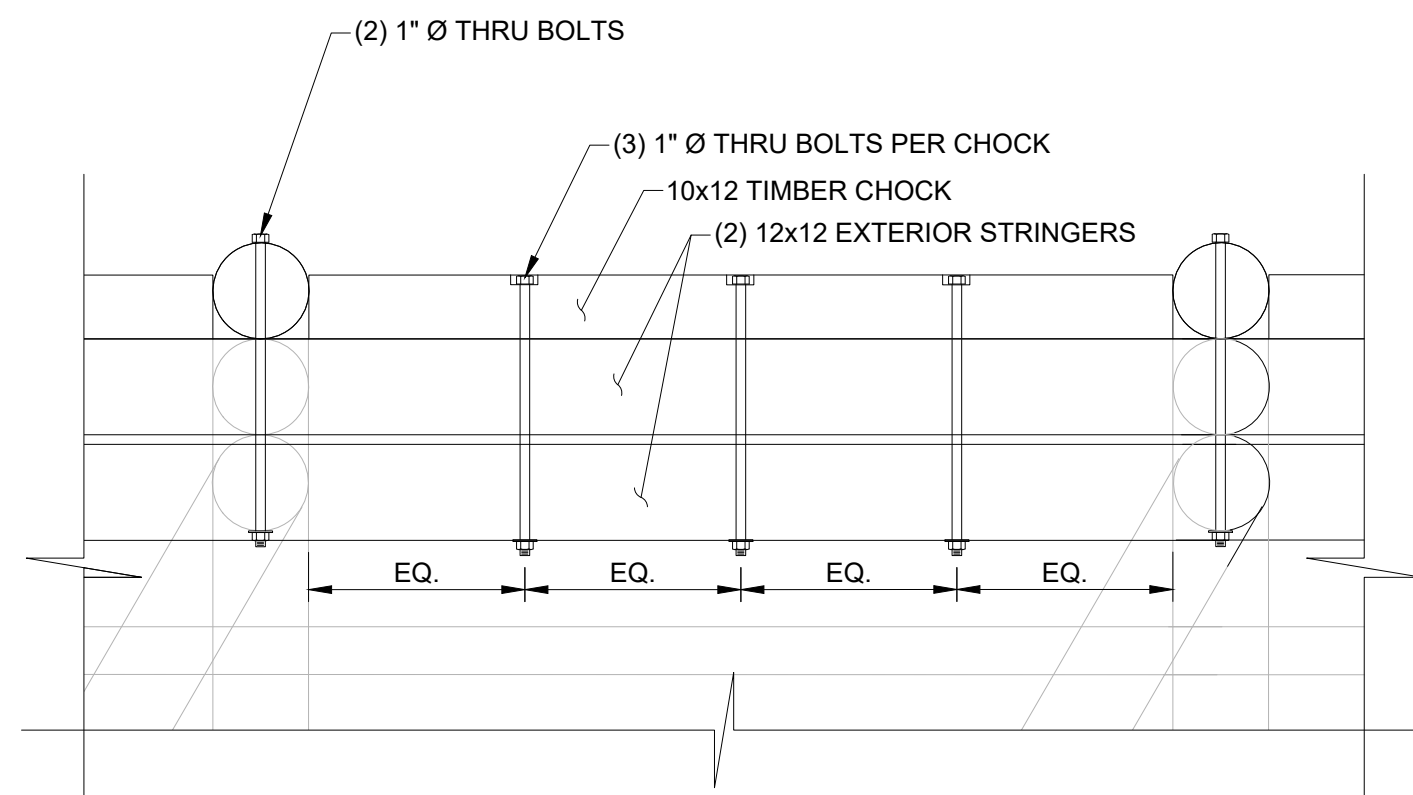
**PILE CAP TO STRINGER  
CONNECTION DETAIL**  
SCALE: 1/4" = 1'-0"

**NOTES:**

1. ADJACENT STRINGERS TO BE STAGGERED SO THE TERMINAL POINT OF THE STRINGER IS NOT LOCATED AT THE SAME BENT AS AN ADJACENT BENT
2. BATTER PILES NOT SHOWN FOR CLARITY



**SECTION**



**PLAN**

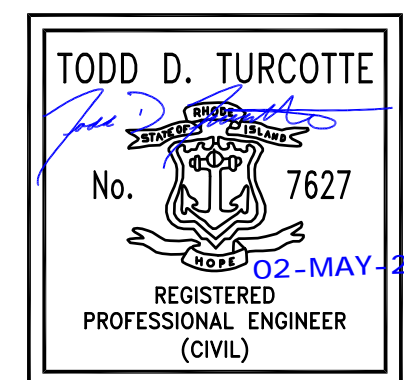
**CHOCK AND PILE CONNECTION DETAIL**  
SCALE: 1/2" = 1'-0"

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SCALE ADJUSTMENT GUIDE  
0" 1"  
BAR IS ONE INCH ON ORIGINAL DRAWING

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APPROVED BY:	TDT
DRAWING TITLE:	

PROPOSED PIER 'A'  
DETAILS

DRAWING NO.:

**S-501**

SHEET NO. 9 OF 9

