



State of Rhode Island and Providence Plantations
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: 2020-01-022 Date: January 28, 2020

This office has under consideration the application of:

Brad Turchetta
360 Kent Drive
East Greenwich, RI 02818

for a State of Rhode Island Assent to construct and maintain: a residential boating facility consisting of a 4'x64' fixed pier, 3'x30' ramp, and an 8'x18.75' terminal float. The facility is proposed to extend 75' beyond Mean Low Water (MLW) to achieve a water depth of 1.3' at the terminus. A variance is required to Section 1.3.1.D.6.f(3) (greater than 50' beyond MLW standard.)

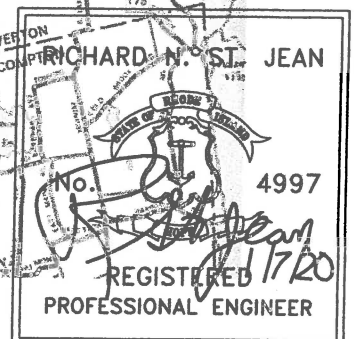
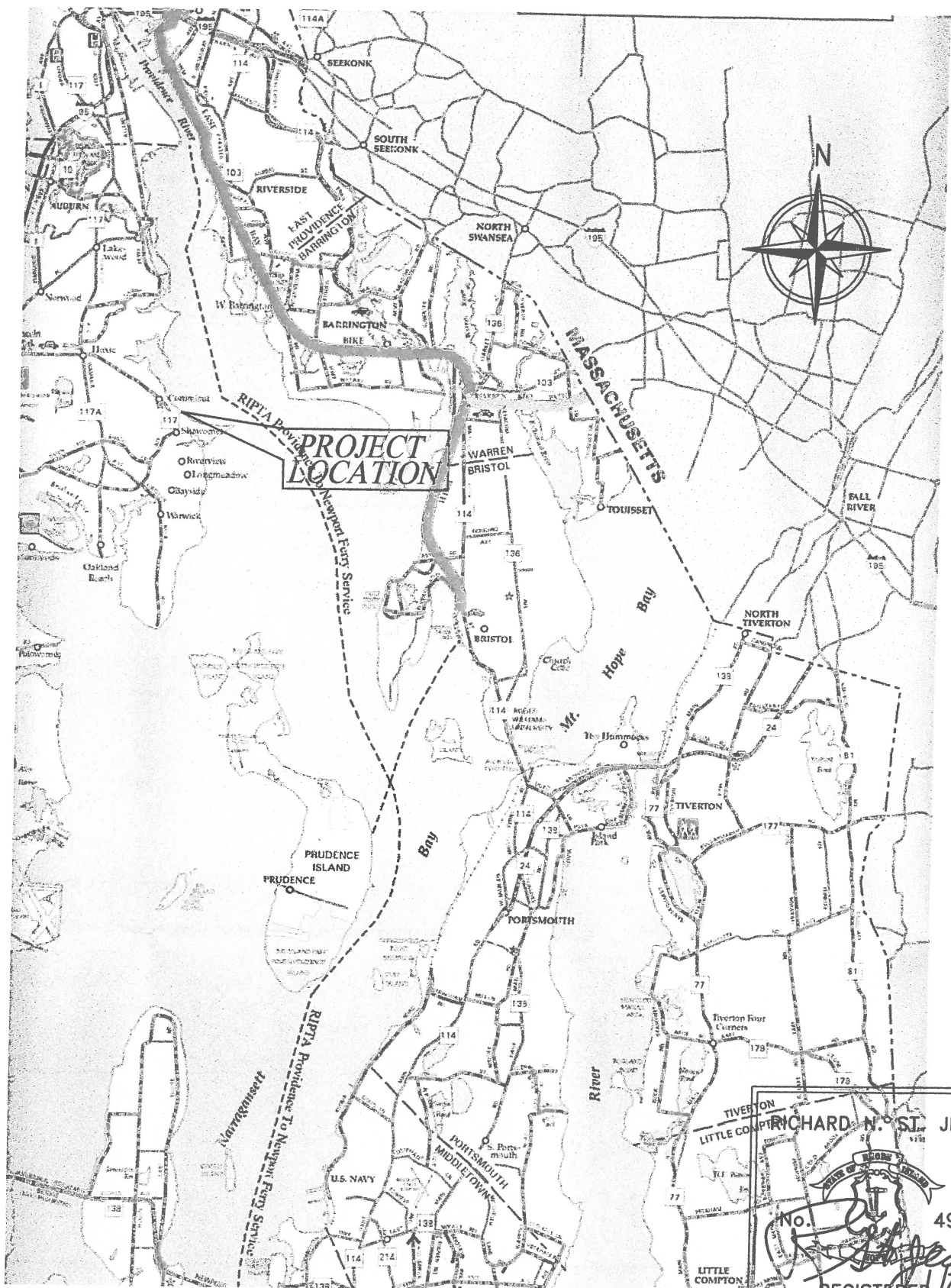
Project Location:	72 Shawomet Avenue
City/Town:	Warwick
Plat/Lot:	333 / 231
Waterway:	Narragansett Bay

Plans of the proposed work may be seen at the CRMC office in Wakefield.

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 February 28, 2020.



**St. Jean
Engineering, LLC**

Civil and Structural Engineering
209 Arnold Neck Drive, Warwick, RI 02886
Tel: (401)398-0999 ST.JEAN.ENGINEERING@VERIZON.NET

72 SHAWOMET DRIVE - WARWICK RHODE ISLAND

LOCUS MAP

RECEIVED

DATE

January 2, 2020

LOCATION:

72 SHAWOMET DRIVE
PLAT NO. 333 LOT 231
WARWICK, RI 02889

APPLICATION BY:

BRAD J TURCHETTA
360 KENT DRIVE
EAST GREENWICH, RI 02818

REVISIONS:

JAN 08 2020

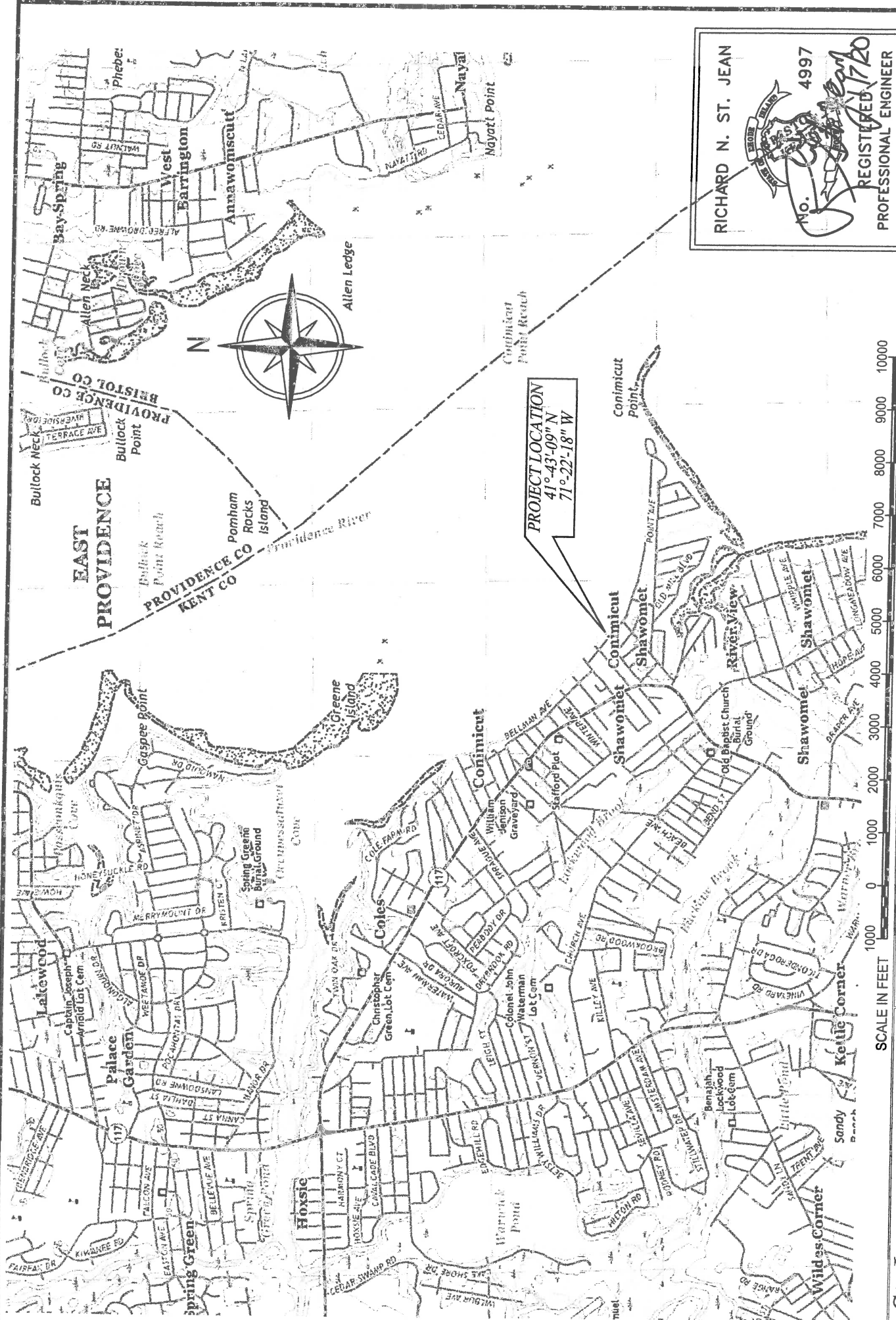
COASTAL RESOURCES

SHEET

OF

1

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RICHARD N. ST. JEAN

NO. 4997

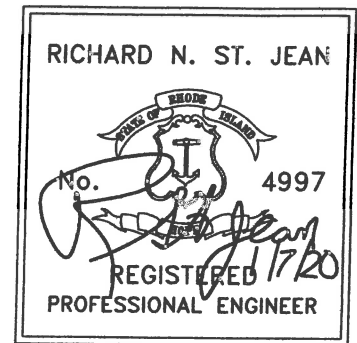
REGISTERED PROFESSIONAL ENGINEER

St. Jean Engineering, LLC Civil and Structural Engineering 209 Arnold Neck Drive, Warwick, RI 02886 Tel: (401) 398-0999 ST.JEAN.ENGINEERING@VERIZON.NET		72 SHAWOMET DRIVE - WARWICK, RI Bristol, RI Quadrangle & East Greenwich Quadrangle REVISIONS: JAN 08 2020 APPLICATION BY: BRAD J TURCHETTA 360 KENT DRIVE EAST GREENWICH, RI 02818		DATE January 2, 2020
LOCATION: 72 SHAWOMET DRIVE PLAT NO. 333 LOT 231 WARWICK, RI 02889		USGS Map Sections: 72 SHAWOMET DRIVE - WARWICK, RI		SHEET 2 OF 12

PILE NOTES

1. ALL NEW PILES SHALL CONFORM WITH THE FOLLOWING :
 - TIMBER, TREATED WITH CHROMATED COPPER ARSENATE (2.5 CCA)
 - ALL HOLES OR CUTS MADE IN PILES SHALL BE DRESSED WITH CCA.
 - SOUTHERN YELLOW PINE OR DOUGLAS FIR CONFORMING TO THE FOLLOWING MINIMUM ALLOWABLE STRESSES AS DETERMINED IN ACCORDANCE WITH ASTM D-2899

COMPRESSION PARALLEL TO THE GRAIN, F_c - 1,250 PSI
EXTREME FIBER STRESS IN BENDING F_b - 2,450 PSI
HORIZONTAL SHEAR F_v - 115 PSI
COMPRESSION PERPENDICULAR TO THE GRAIN F_c - 230 PSI



2. PILES SHALL CONFORM TO THE PHYSICAL CHARACTERISTICS OF ROUND TIMBER PILES AS DESCRIBED IN ASTM D-25. MINIMUM BUTT DIAMETER SHALL BE 12", MINIMUM TIP DIAMETER SHALL BE 10".

- SEE PLANS FOR CUT OFF ELEVATIONS.
- PILES SHALL BE CLEARLY AND PERMANENTLY BRANDED IN TWO PLACES APPROXIMATELY 5 AND 10 FEET FROM THE BUTT. THE BRAND SHALL IDENTIFY SPECIES, CLASS AND LENGTH, PRESERVATIVE, RETENTION, SUPPLIER, AND MONTH AND YEAR OF TREATMENT.

3. PILE TOLERANCES:
 - BUTT MUST BE WITHIN 2" OF HORIZONTAL LOCATION.

4. CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF 48 HOURS IN ADVANCE PRIOR TO DRIVING PILES. CONTRACTOR SHALL STOP DRIVING PILE IF A LOSS OF DRIVING RESISTANCE IS NOTED WITHIN THE LAST 4 FEET OF DRIVING AND NOTIFY THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK ON THE PILE BEING DRIVEN.

TIMBER FRAMING NOTES

1. ALL TIMBER WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL FOREST PRODUCTS ASSOCIATION NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION.

2. ALL TIMBER FRAMING SHALL BE STRESS GRADED LUMBER HAVING THE FOLLOWING STRUCTURAL PROPERTIES (U.O.N.):

- SOUTHERN YELLOW PINE: (#1 OR BETTER)
 - F_b = 1,200 PSI
 - F_v = 80 PSI

DECK PLANKS TO BE 3x8 - #1 GRADE

3. ALL FRAMING SHALL BE TREATED WITH WOOD PRESERVATIVE (PRESSURE TREATMENT): FS TT-W-571 AWPA TREATMENT C2 USING CHROMATED COPPER ARSENATE (0.6 CCA). ALL HOLES AND CUTS SHALL BE DRESSED WITH CCA. CROSS BRACING SHALL BE TREATED USING 2.5 CCA.

4. ALL THREADED FASTENERS AND ANCHORS SHALL BE HOT DIPPED GALVANIZED STEEL FOR EXTERIOR, HIGH HUMIDITY (MARINE ENVIRONMENT), AND TREATED WOOD LOCATIONS. BOLTS SHALL CONFORM TO A307 GRADE A W/HEAVY HEX NUTS AND HOT DIPPED GALVANIZED (HDG) STEEL WASHERS. BOLT HOLES SHALL BE A MAXIMUM OF $\frac{1}{16}$ " LARGER THAN BOLT DIAMETER SPECIFIED. CLIPS, HANGERS, ANGLES AND OTHER HARDWARE REQUIRING FABRICATION SHALL BE FABRICATED COMPLETE WITH HOLES AND WELDING PRIOR TO HOT DIP GALVANIZING.

5. ALL NAILS SHALL BE 30D - 4 GAUGE GRADE 316 STAINLESS STEEL OR SILICON BRONZE UNLESS OTHERWISE SPECIFIED. PRE-DRILL $\frac{3}{16}$ " HOLES FOR 4 GAUGE NAILS THROUGH TOP PLY ONLY.

6. ALL TIMBER SIZES ARE NOMINAL UNLESS OTHERWISE NOTED.

7. DECKING SHALL BE FASTENED USING 4" LONG STAINLESS STEEL SQUARE DRIVE DECK SCREWS OR EQUIVALENT.

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NEW RESIDENTIAL DOCK
TIMBER NOTES

LOCATION:
72 SHAWOMET DRIVE
PLAT NO. 333 LOT 231
WARWICK, RI 02889

APPLICATION BY:
BRAD J TURCHETTA
360 KENT DRIVE
EAST GREENWICH, RI 02818

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JAN 08 2020

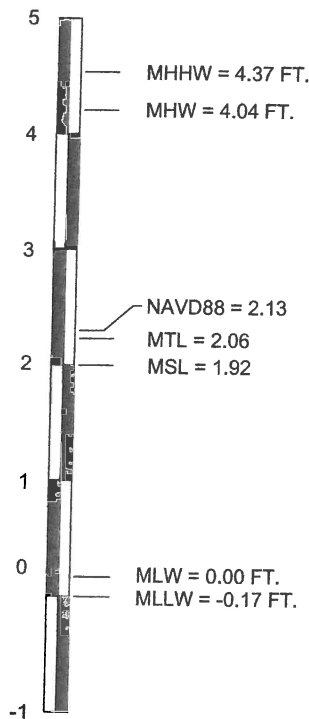
COASTAL RESOURCES
MANAGEMENT COUNCIL

DATE

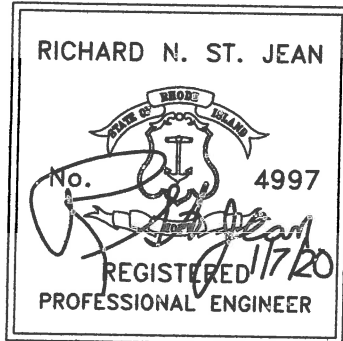
January 2, 2020

SHEET OF

4 12



ELEVATION INFORMATION
INTERPOLATION BTWN STATIONS
STA. 845-4000 - PROVIDENCE RIVER
& STA. 845-4049 - QUONSET POINT



ABBREVIATIONS

U. O. N.	UNLESS OTHERWISE NOTED
N. T. S.	NOT TO SCALE
I. A. W.	IN ACCORDANCE WITH
TYP.	TYPICAL
R & D	REMOVE AND DISPOSE
BIT.	BITUMINOUS CONCRETE
F. F.	FINISH FLOOR
T. O. F.	TOP OF FOUNDATION
M. P. L.	MARINA PERIMETER LINE
S.J.E.	ST. JEAN ENGINEERING LLC
S. F.	SQUARE FOOT

LEGEND

	EXISTING CONTOUR
	PROPOSED CONTOUR
	EXISTING SEWER
	PROPOSED SEWER
	EXISTING WATER LINE
	PROPOSED WATER LINE
	EXISTING GAS LINE
	EXISTING MANHOLE
	PROPOSED MANHOLE
	EXISTING CATCH BASIN
	EXISTING BUILDING
	PROPOSED BUILDING
	EXISTING SPOT GRADE
	PROPOSED SPOT GRADE
	EXISTING STONE WALL
	EXISTING FENCE LINE
	EXISTING HYDRANT
	EXISTING POLE
	SHORE LINE
	SITE LIGHTING
	PROPERTY LINE

EXTG.	EXISTING
SMH	SEWER MANHOLE
DMH	DRAINAGE MANHOLE
MIN.	MINIMUM
HDG	HOT DIPPED GALVANIZED
SS	STAINLESS STEEL

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NEW RESIDENTIAL DOCK

LEGEND & ABBREVIATIONS RECEIVED

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EAST GREENWICH, RI 02818

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JAN 08 2020

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MANAGEMENT COUNCIL

DATE

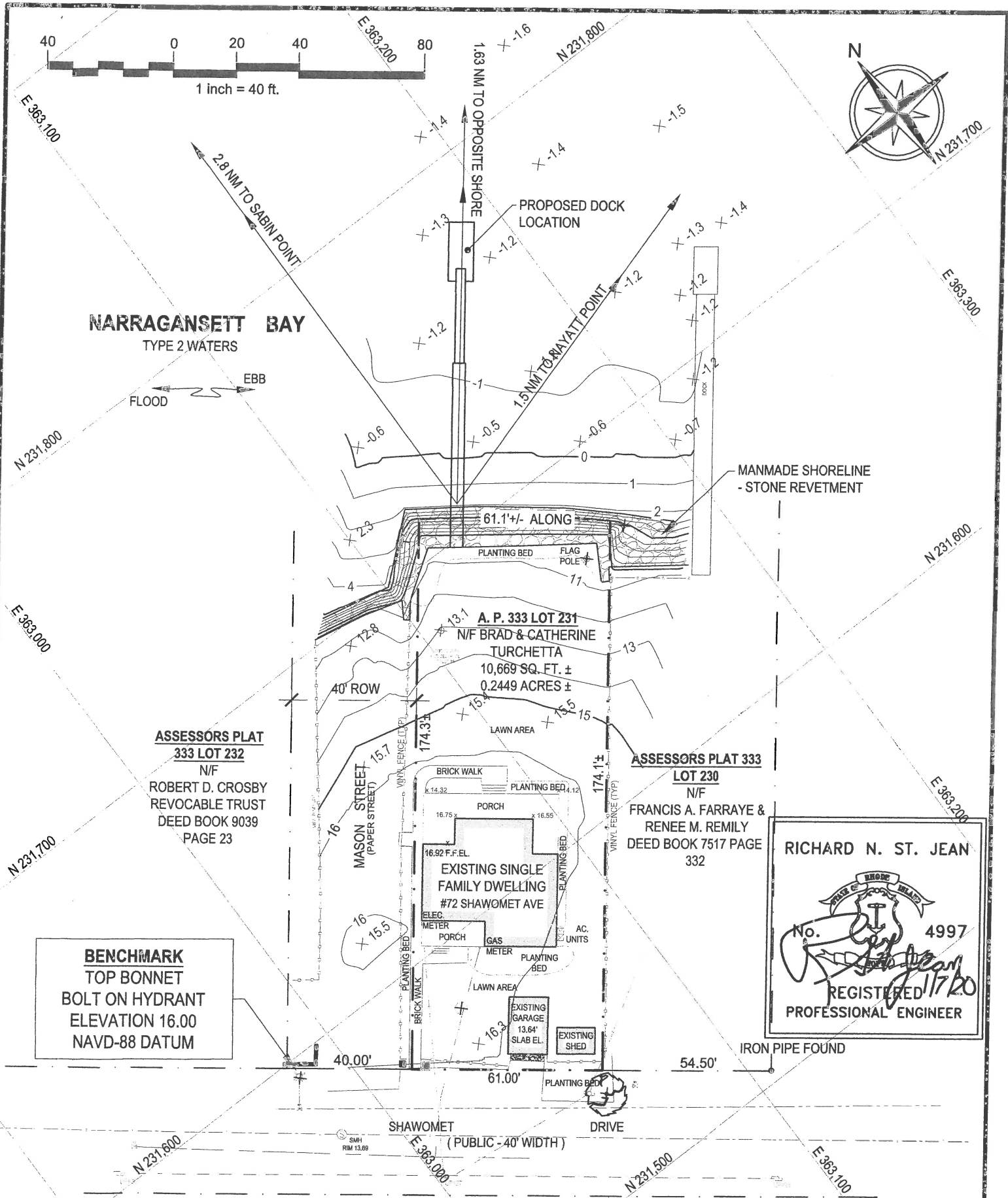
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SHEET

OF

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NEW RESIDENTIAL DOCK RECEIVED
EXISTING CONDITIONS PLAN

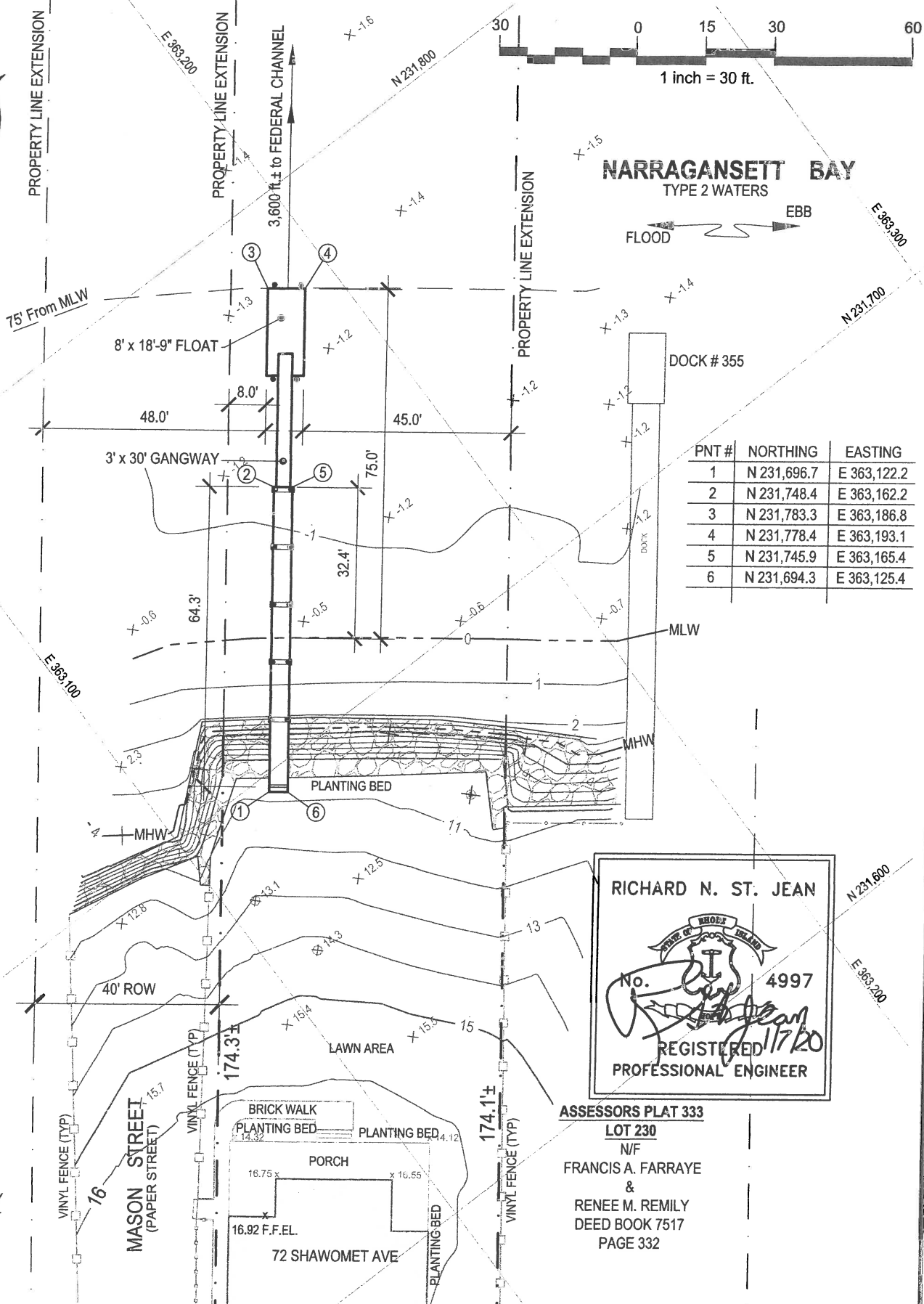
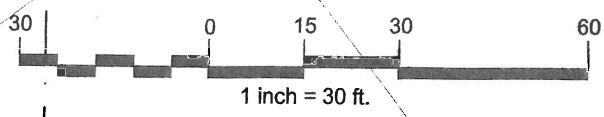
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EAST GREENWICH, RI 02818

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JAN 08 2020
COASTAL RESOURCES
MANAGEMENT COUNCIL

DATE
January 2, 2020

SHEET 6 OF 12



NARRAGANSETT BAY
TYPE 2 WATERS

FLOOD EBB

PNT #	NORTHING	EASTING
1	N 231,696.7	E 363,122.2
2	N 231,748.4	E 363,162.2
3	N 231,783.3	E 363,186.8
4	N 231,778.4	E 363,193.1
5	N 231,745.9	E 363,165.4
6	N 231,694.3	E 363,125.4

RICHARD N. ST. JEAN

REGISTERED 1/7/20
PROFESSIONAL ENGINEER

ASSESSORS PLAT
333 LOT 232
N/F
ROBERT D. CROSBY
REVOCABLE TRUST
DEED BOOK 9039
PAGE 23

ASSESSORS PLAT 333
LOT 230
N/F
FRANCIS A. FARRAYE
&
RENEE M. REMILY
DEED BOOK 7517
PAGE 332

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NEW RESIDENTIAL DOCK RECEIVED
PROPOSED LOCATION PLAN

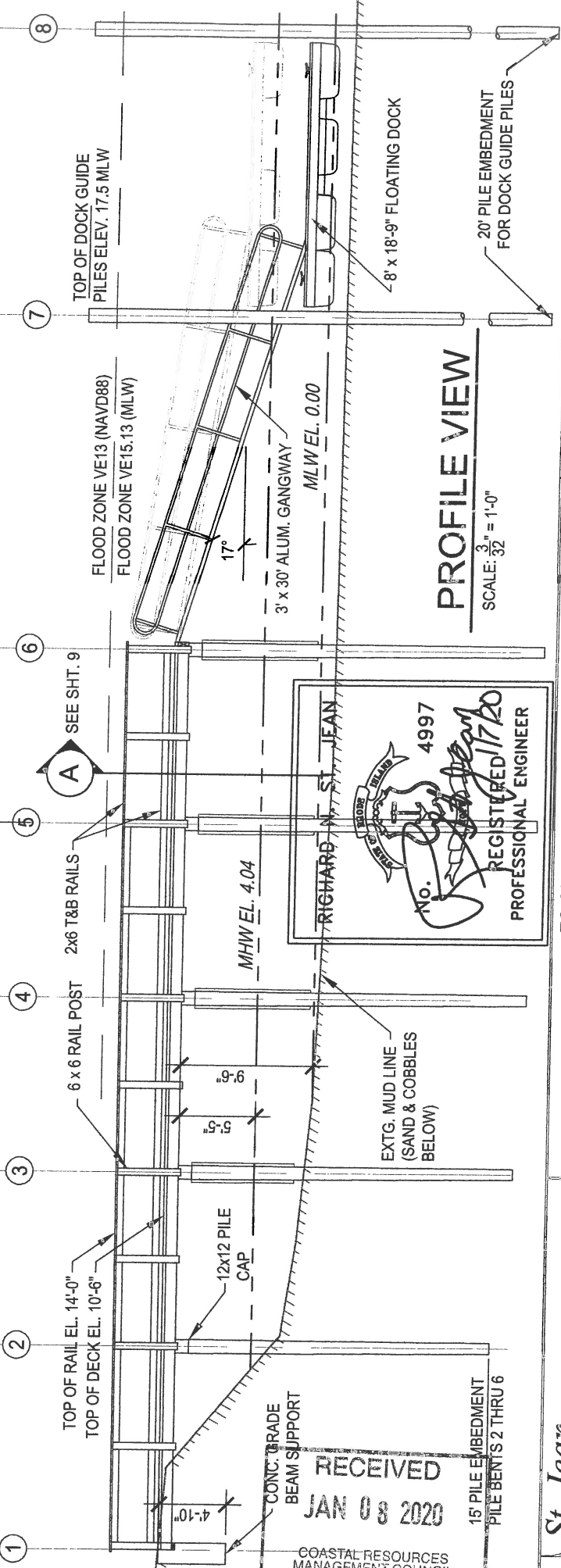
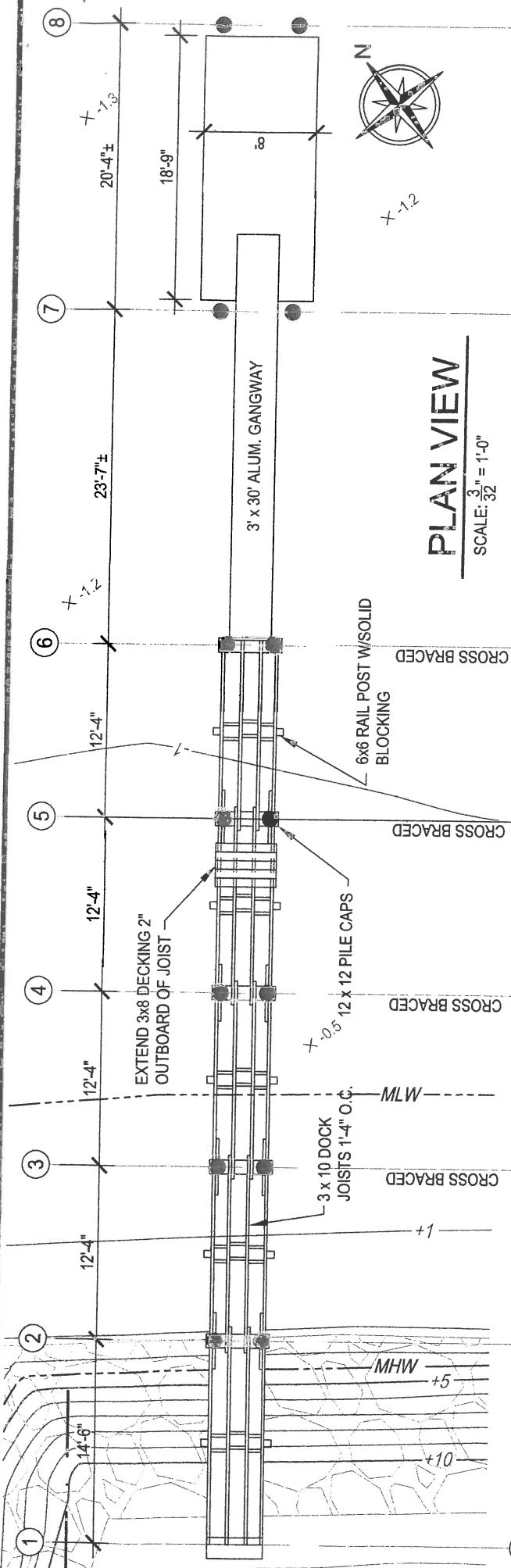
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EAST GREENWICH, RI 02818

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MANAGEMENT COUNCIL

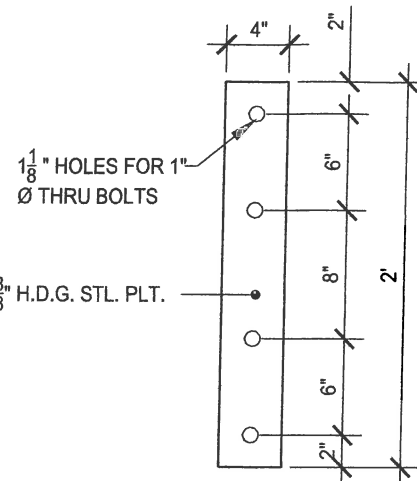
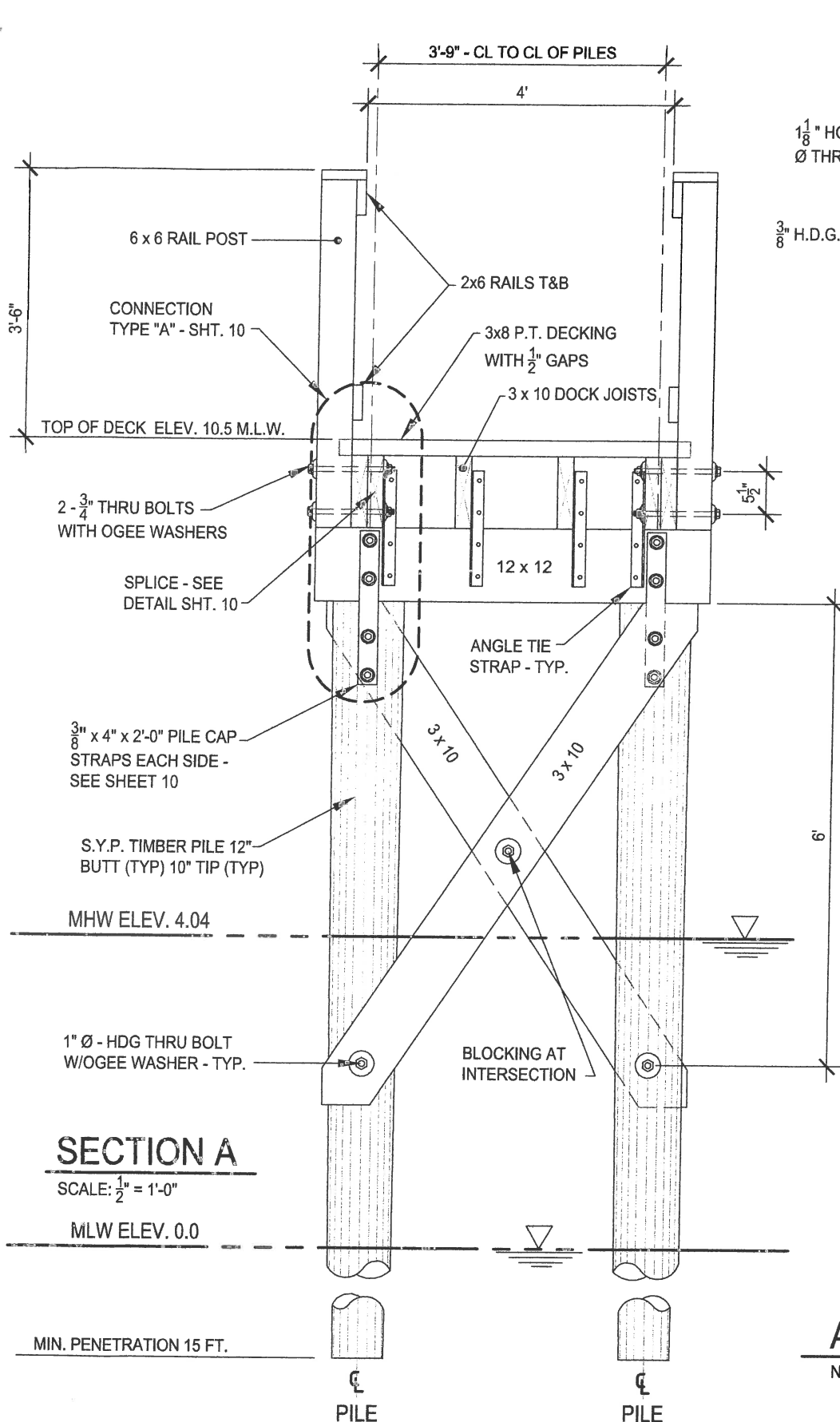
DATE
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SHEET 7 OF 12



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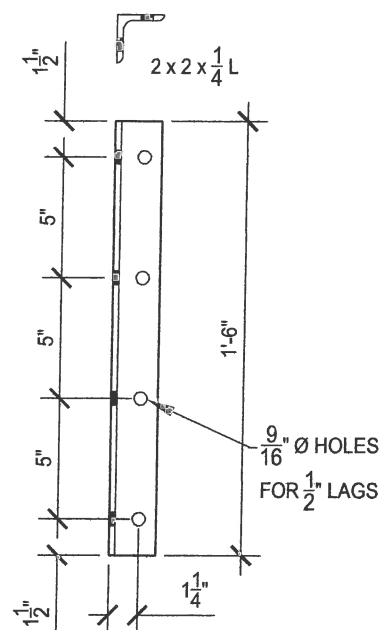
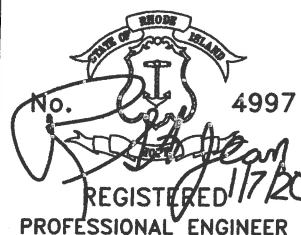
St. Jean Engineering, LLC Civil and Structural Engineering 209 Arnold Neck Drive, Warwick, RI 02886 Tel: (401) 398-0099 ST.JEAN.ENGINEERING@VERIZON.NET	72 Shawomet Avenue, Warwick, Rhode Island PLAN AND PROFILE - NEW RESIDENTIAL DOCK	DATE January 2, 2020
REVISIONS:	LOCATION: 72 SHAWOMET DRIVE PLAT NO. 333 LOT 231 WARWICK, RI 02889	APPLICATION BY: BRAD J TURCHETTA 360 KENT DRIVE EAST GREENWICH, RI 02889
SHEET 8 OF 12		



PILE CAP STRAP

N.T.S.

RICHARD N. ST. JEAN



ANGLE TIE STRAP

N.T.S.

St. Jean
Engineering, LLC
 Civil and Structural Engineering
 209 Arnold Neck Drive, Warwick, RI 02886
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NEW RESIDENTIAL DOCK FIXED DOCK DETAILS

LOCATION:
 72 SHAWOMET DRIVE
 PLAT NO. 333 LOT 231
 WARWICK, RI 02889

APPLICATION BY:
 BRAD J TURCHETTA
 360 KENT DRIVE
 EAST GREENWICH, RI 02818

REVISIONS
 1 of 12
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 JAN 08 2020
 COASTAL RESOURCES
 MANAGEMENT COUNCIL

DATE
 January 2, 2020

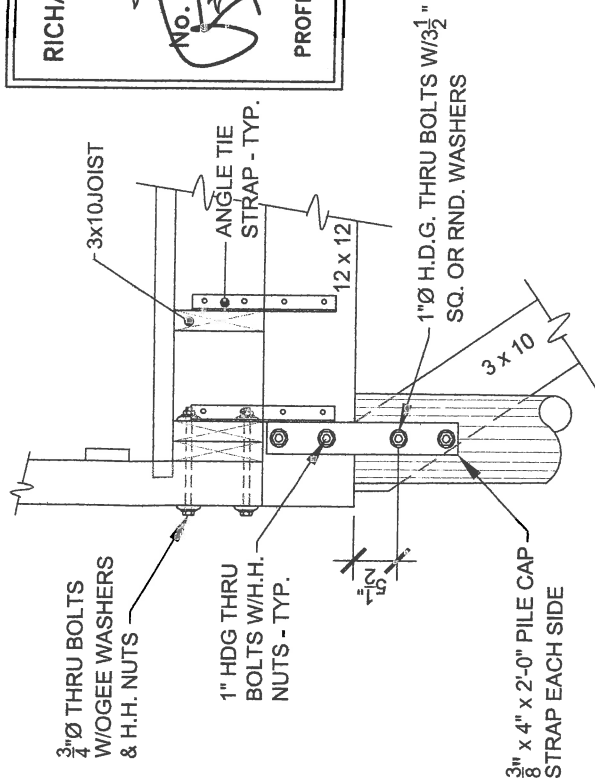
SHEET 9 OF 12

RICHARD N. ST. JEAN

NO. 4997

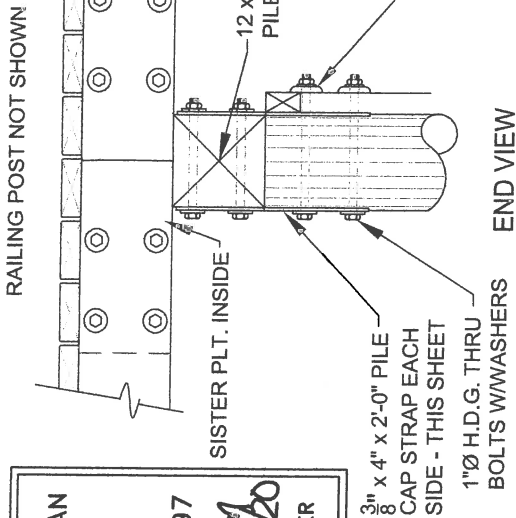
REGISTERED PROFESSIONAL ENGINEER

1/17/20

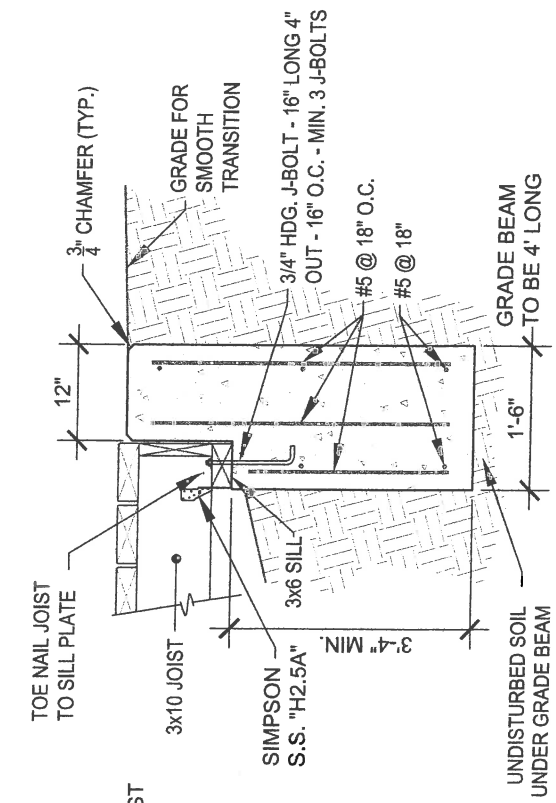


ELEVATION
CONNECTION TYPE "A"

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MANAGEMENT COUNCIL



CONNECTION TYPE "A"



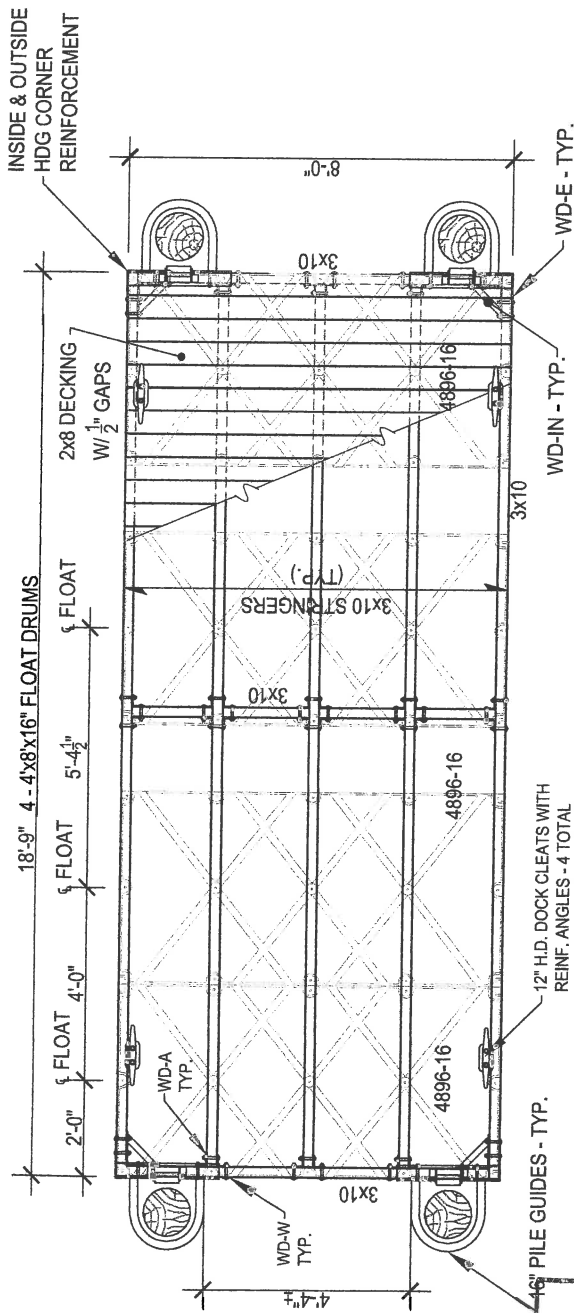
PLAN VIEW OF BLOCKING
@ RAILING POSTS

ALL STEEL FABRICATIONS SHALL BE HOT DIPPED GALVANIZED (HDG) AFTER COMPLETE ASSEMBLY

PLAN VIEW
CONNECTION TYPE "A"

GRADE BEAM AT START OF DOCK
ALTERNATE TO PILES AT START OF DOCK
SCALE: N.T.S.

St. Jean Engineering, LLC Civil and Structural Engineering 209 Arnold Neck Drive, Warwick, RI 02886 Tel: (401) 598-1099 ST.JEAN.ENGINEERING@VERIZON.NET	LOCATION: 72 SHAWOMET DRIVE PLAT NO. 333 LOT 231 WARWICK, RI 02889	72 Shawomet Avenue, Warwick, Rhode Island FIXED DOCK DETAILS	DATE January 2, 2020
APPLICATION BY: BRAD J TURCHETTA 360 KENT DRIVE EAST GREENWICH, RI 02818	REVISIONS:		SHEET 10 OF 12



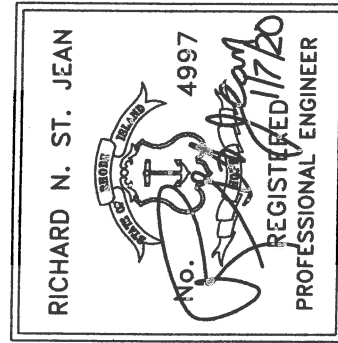
END VIEW

FLOATING DOCK PLAN

SCALE: 1/4" = 1'-0"

HARDWARE SCHEDULE

HARDWARE	DESCRIPTION
WD-A	REINFORCING ANGLE
WD-W	DBL WASHER PLATE
WD-CA	CLEAT ANGLE
WD-CAXL	XL CLEAT ANGLE
WD-CAFW	CLEAT FLAT WASHER
WD-HDM	HEAVY DUTY OUTSIDE CORNER MALE
WD-HDF	HEAVY DUTY OUTSIDE CORNER FEMALE
WD-E	OUTSIDE CORNER
WD-IN	INSIDE CORNER
WD-HDTF	HEAVY DUTY SINGLE "F" FEMALE
WD-HDTM	HEAVY DUTY SINGLE "M" MALE
WD-HDB	HEAVY DUTY BACKUP PLATE



FLOATING DOCK BOUANCY COMPUTATIONS
 8 ft x 18'-9" ft TERMINAL FLOAT
 ESTIMATED DEAD WT. = 1,500 # (10#sf W/HARDWARE)
 4- 4' x 8' x 16" DRUM WEIGHT = 130 # x 4 = 520#s
 1/2 GANGWAY WEIGHT = 600 # x 0.5 = 300#s
 LIVE LOAD = 150 sf X 30 #sf = 4,500 #
 DRUM BOUANCY = 4 @ 2,475# = 9,900#s
 BUOANCY 9,900 #s > DL+LL 6,820 #s
 FREEBOARD @ DL = 23.0"
 FREEBOARD @ DL+LL = 15.7"

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72 Shawomet Avenue, Warwick, Rhode Island
FLOATING DOCK DETAILS 1 of 2

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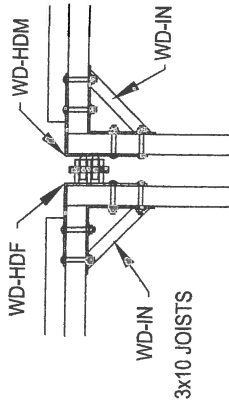
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SHEET 11 OF 12

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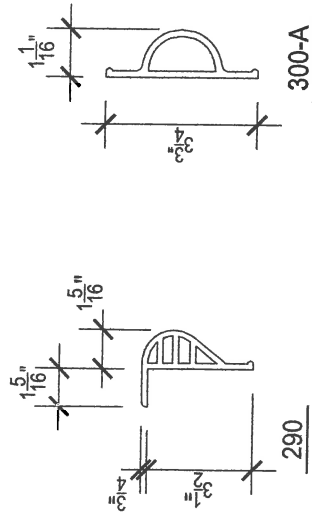
COASTAL RESOURCES

ALL BOLTS $\frac{1}{2}$ " HDG
CARRIAGE BOLTS

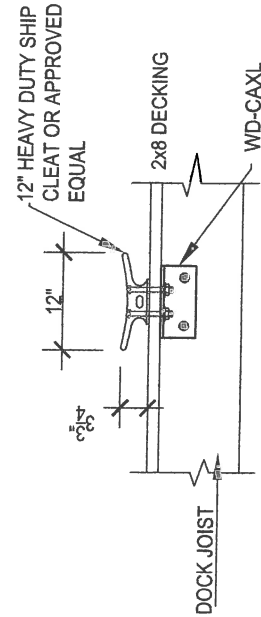


TYPICAL HINGE ARRANGEMENT

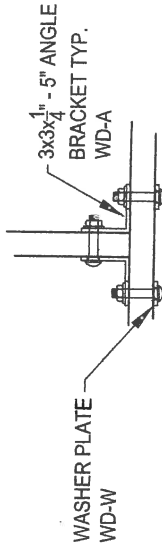
SCALE: $\frac{1}{2}$ " = 1'-0"



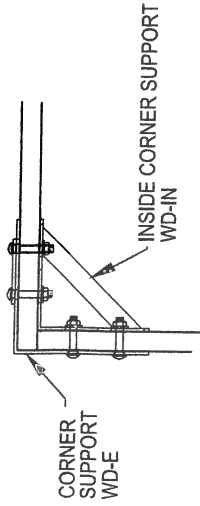
DOCK BUMPERS



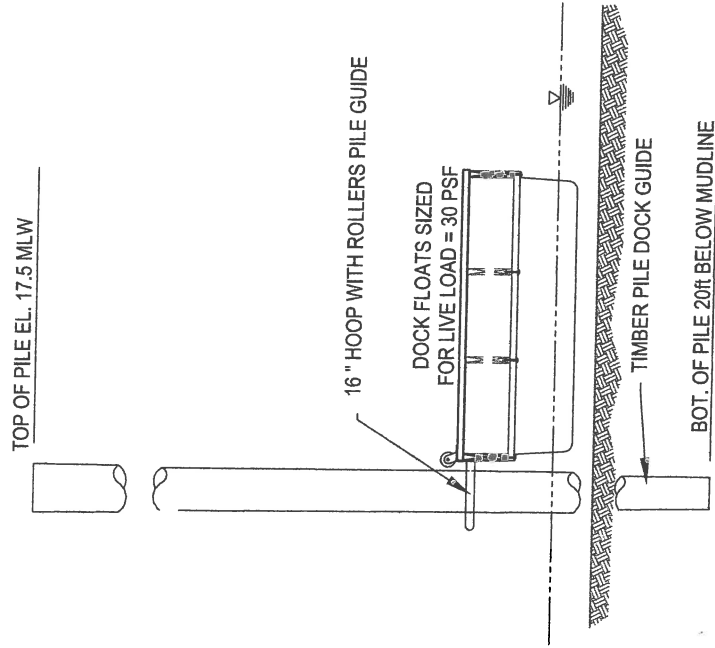
DOCK CLEAT ELEVATION



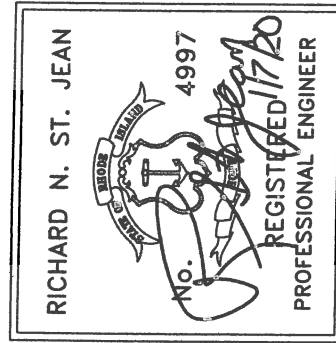
TYP. REINFORCEMENT AT CROSS MEMBERS



CORNER REINFORCEMENT



TYP. DOCK ANCHORAGE



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72 Shawomet Avenue, Warwick, Rhode Island
FLOATING DOCK DETAILS

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COASTAL RESOURCES
MANAGEMENT COUNCIL

SHEET 12 OF 12