

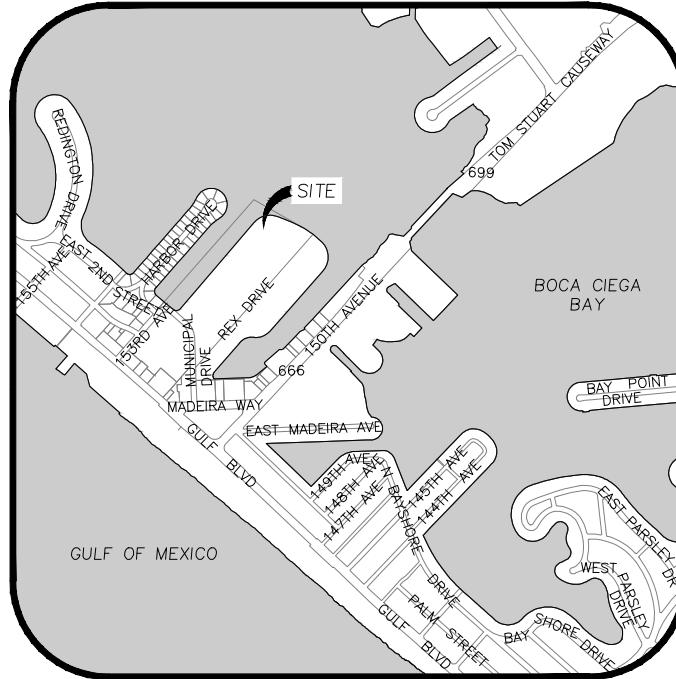
MADEIRA BEACH CITY HALL DOCKS
LYING IN SECTION 9, TOWNSHIP 31 SOUTH, RANGE 15 EAST
CITY OF MADEIRA BEACH, PINELLAS COUNTY, FLORIDA

SHEET INDEX:

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FLOATING DOCK CROSS SECTION 11

PROPERTY OWNER:

CITY OF MADEIRA BEACH
 300 MUNICIPAL DRIVE
 MADEIRA BEACH, FL 33708-1916



VICINITY MAP
NO SCALE

DEUEL & ASSOCIATES
 CONSULTING ENGINEERS LAND SURVEYORS LAND PLANNERS

565 SOUTH HERCULES AVENUE
 CLEARWATER, FL 33764
 PH 727.822.4151 FAX 727.821.7255
 WWW.DEUELENGINEERING.COM
 CERTIFICATE OF AUTHORIZATION NUMBER 26320
 LICENSED BUSINESS NUMBER 107

I, ALBERT CARRIER, HEREBY CERTIFY AS A LICENSED PROFESSIONAL ENGINEER, REGISTERED IN ACCORDANCE WITH FLORIDA STATUTE 471 (481) THAT THE ABOVE PROJECT'S SITE AND/OR CONSTRUCTION PLANS, TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, WILL MEET APPLICABLE DESIGN CRITERIA SPECIFIED BY CITY MUNICIPAL ORDINANCE, STATE AND FEDERAL ESTABLISHED STANDARDS. I UNDERSTAND THAT IT IS MY RESPONSIBILITY AS THE PROJECT'S PROFESSIONAL ENGINEER TO PERFORM A QUALITY ASSURANCE REVIEW OF THESE SUBMITTED PLANS.

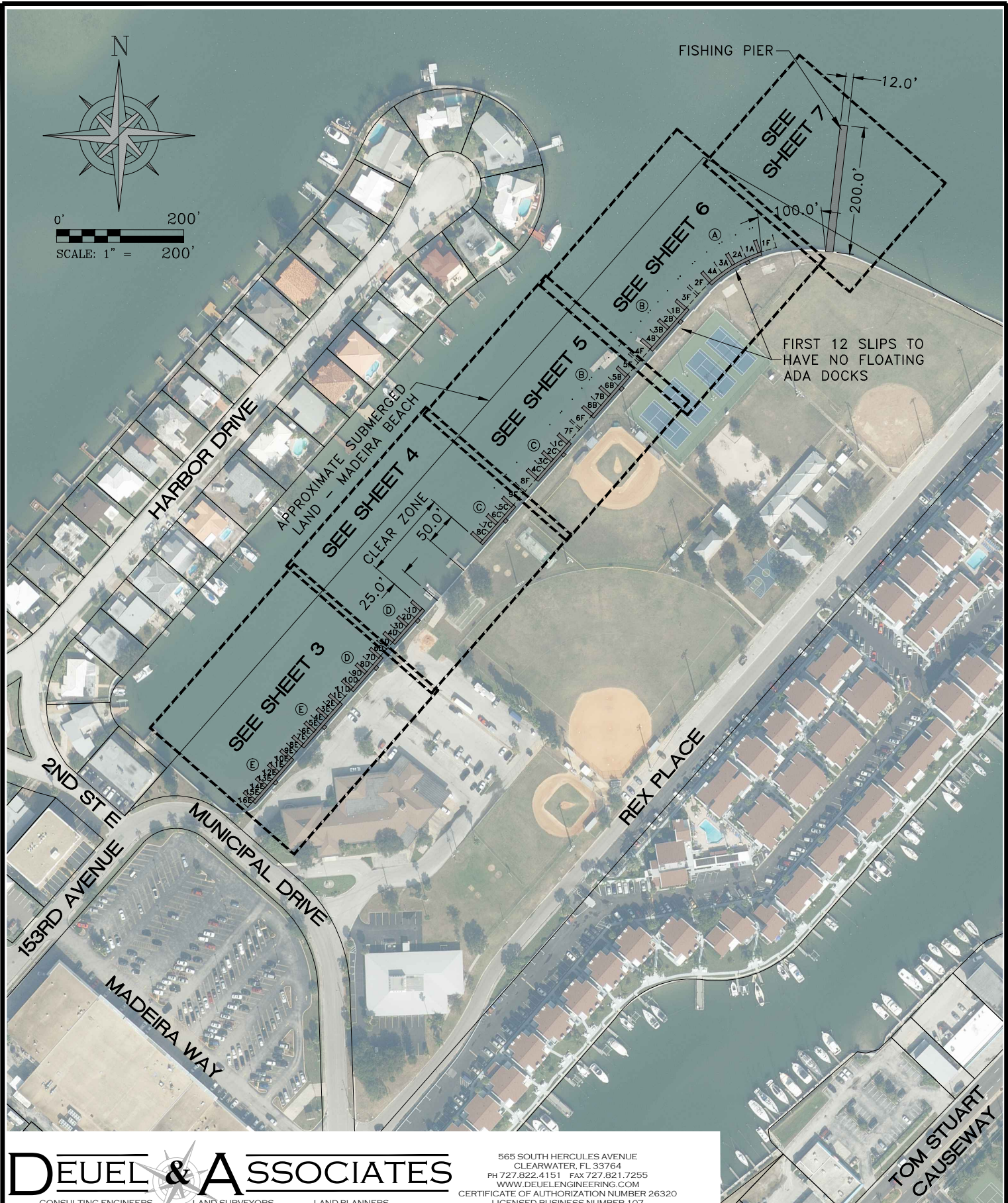
ALBERT P. CARRIER, P.E. 53990

CITY OF MADEIRA BEACH
CITY HALL DOCKS

MADEIRA BEACH

FLORIDA

WORK ORDER	2015-76E
DATE:	6/4/2015
DRAWN:	DES
SCALE:	N/A
SHEET NO.	1 OF 11



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**CITY OF MADEIRA BEACH
 CITY HALL DOCKS
 KEY MAP**

MADEIRA BEACH

FLORIDA

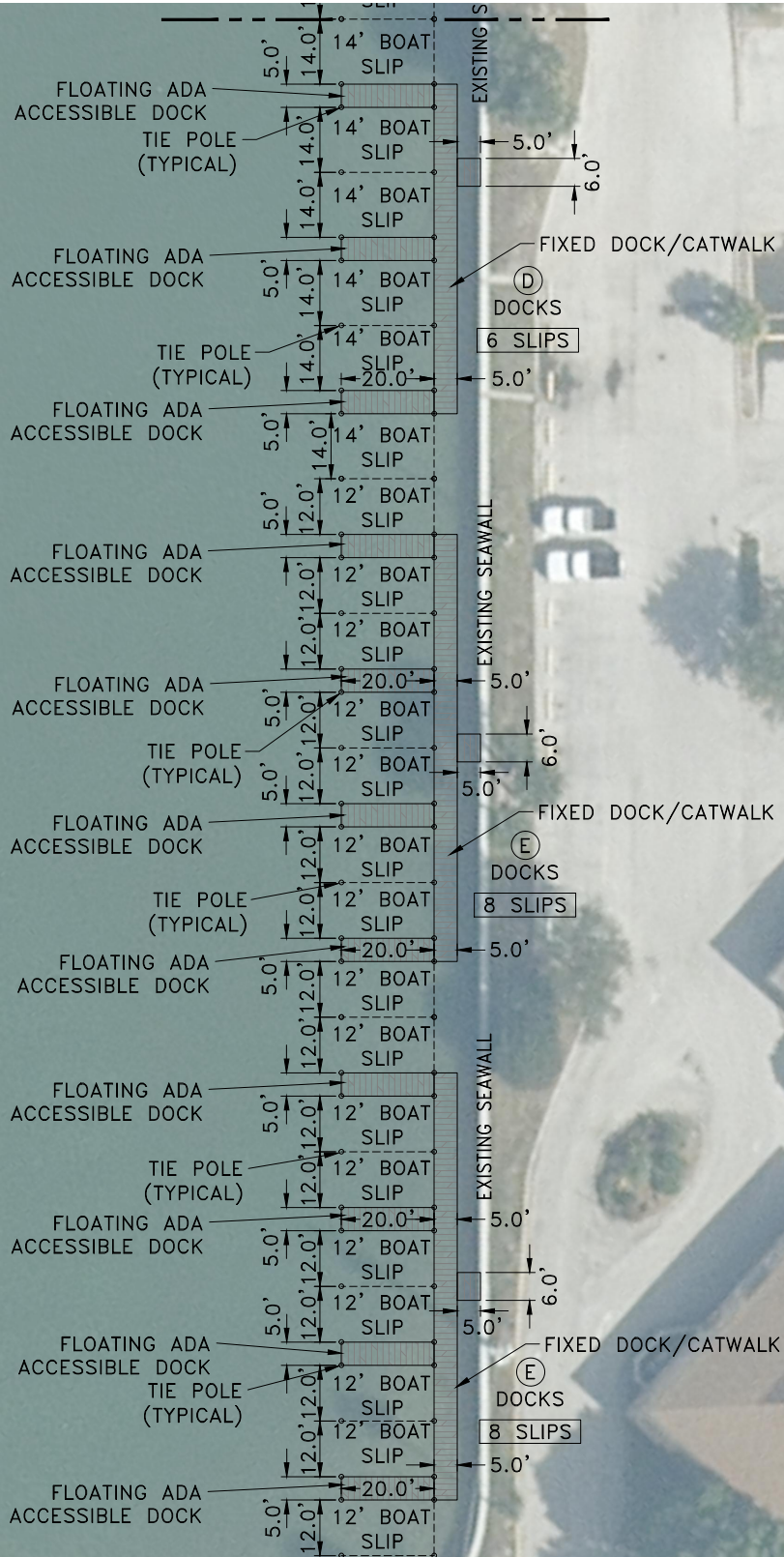
WORK ORDER	2015-76E
DATE:	6/4/2015
DRAWN:	DES
SCALE:	1" = 200'
SHEET NO.	2 OF 11

MATCHLINE A



0' 40'
SCALE: 1" = 40'

APPROXIMATE SUBMERGED LAND - MADEIRA BEACH



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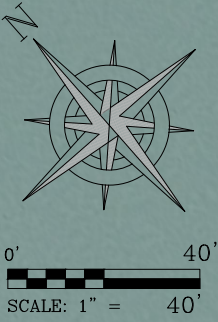
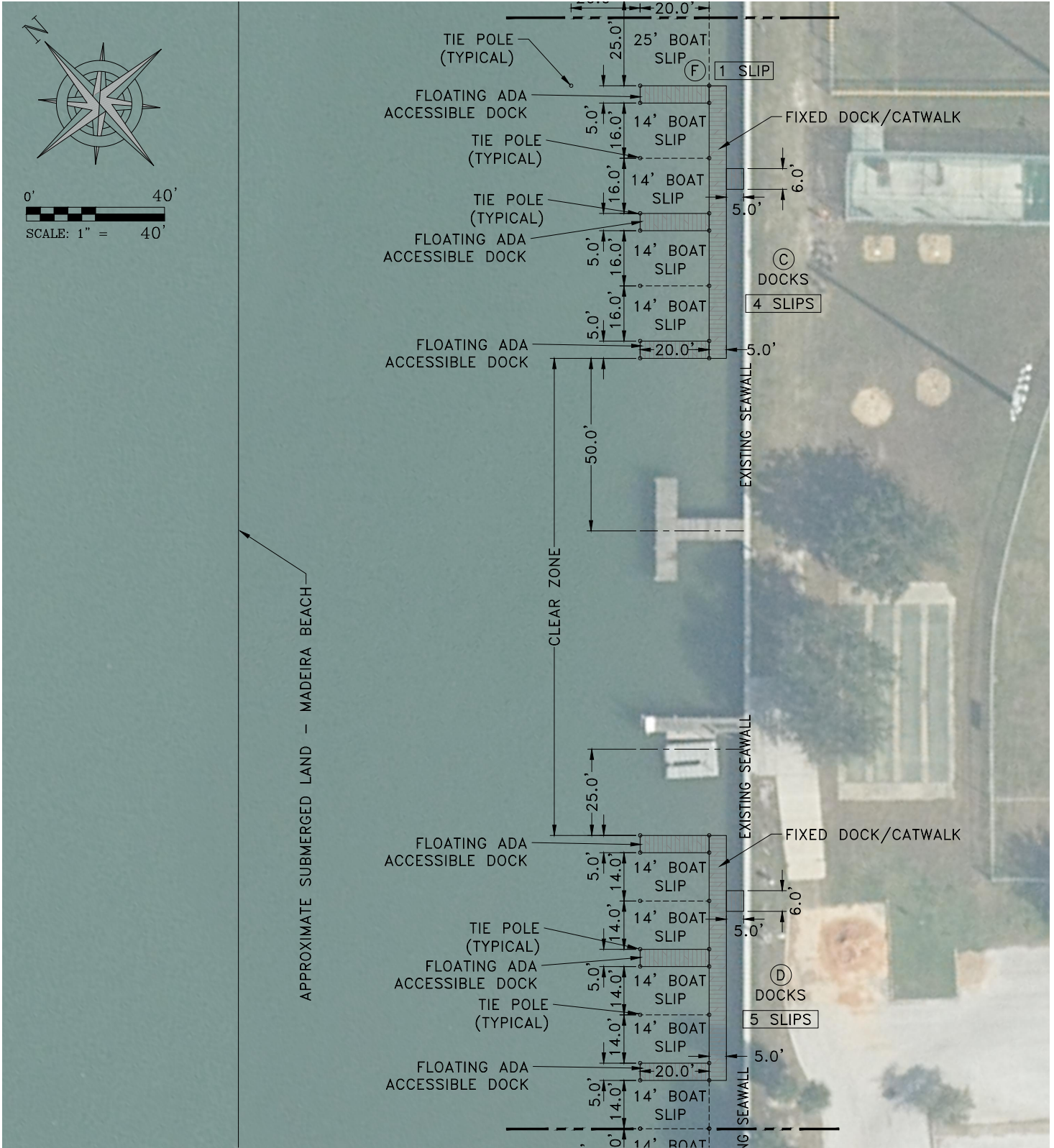
CITY OF MADEIRA BEACH
CITY HALL DOCKS
SITE PLAN 1 of 5

MADEIRA BEACH

FLORIDA

WORK ORDER	2015-76E
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DRAWN:	DES
SCALE:	1" = 40'
SHEET NO.	3 OF 11

MATCHLINE B



MATCHLINE A

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CITY OF MADEIRA BEACH
CITY HALL DOCKS
SITE PLAN 2 of 5

MADEIRA BEACH

FLORIDA

WORK ORDER	2015-76E
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DRAWN:	DES
SCALE:	1" = 40'
SHEET NO.	4 OF 11

MATCHLINE C



MATCHLINE B

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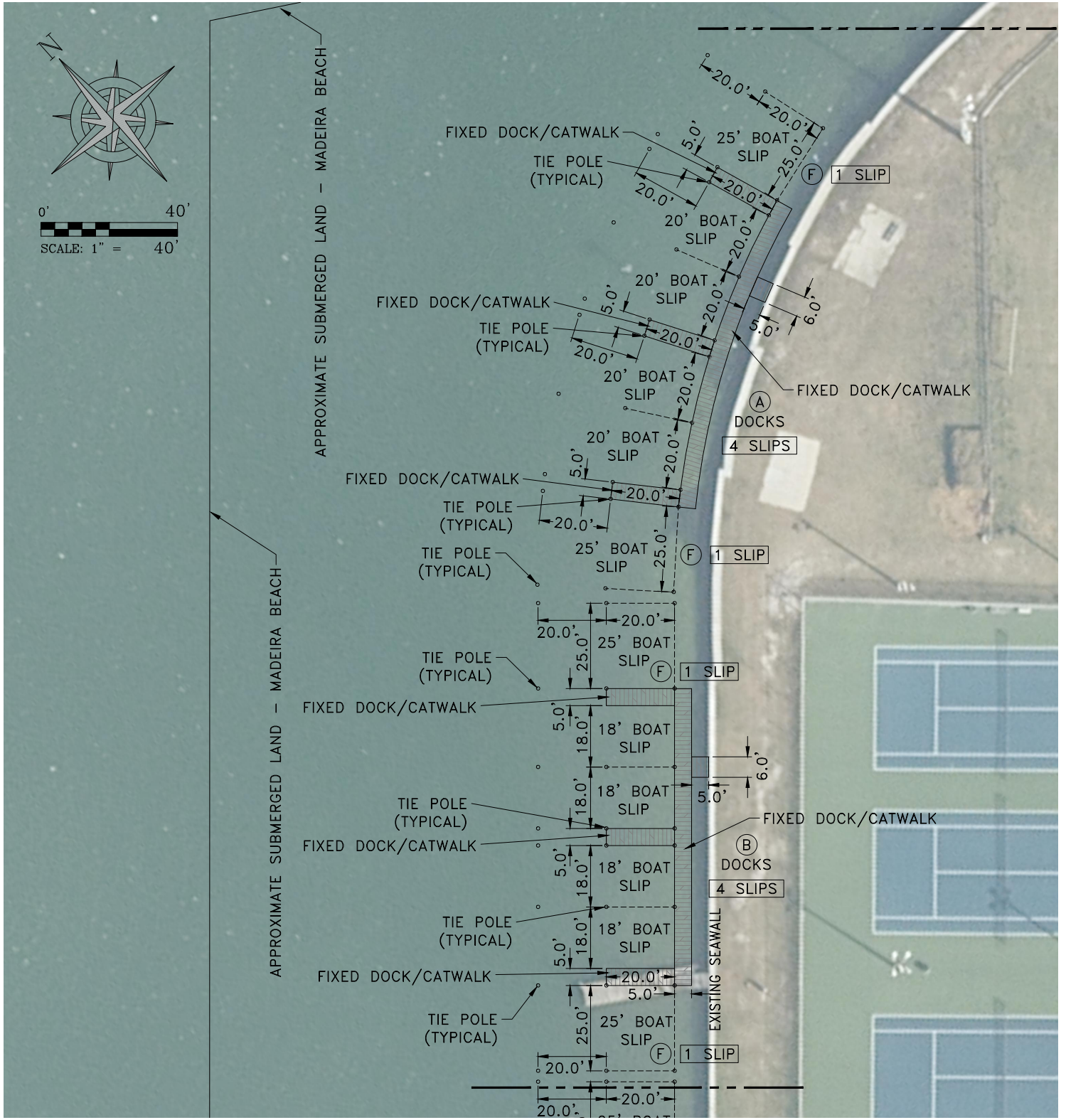
CITY OF MADEIRA BEACH
 CITY HALL DOCKS
 SITE PLAN 3 of 5

MADEIRA BEACH

FLORIDA

WORK ORDER	2015-76E
DATE:	6/4/2015
DRAWN:	DES
SCALE:	1" = 40'
SHEET NO.	5 OF 11

MATCHLINE D



MATCHLINE C

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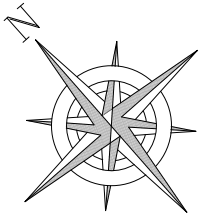
ALBERT P. CARRIER, P.E. 53990

CITY OF MADEIRA BEACH
 CITY HALL DOCKS
 SITE PLAN 4 of 5

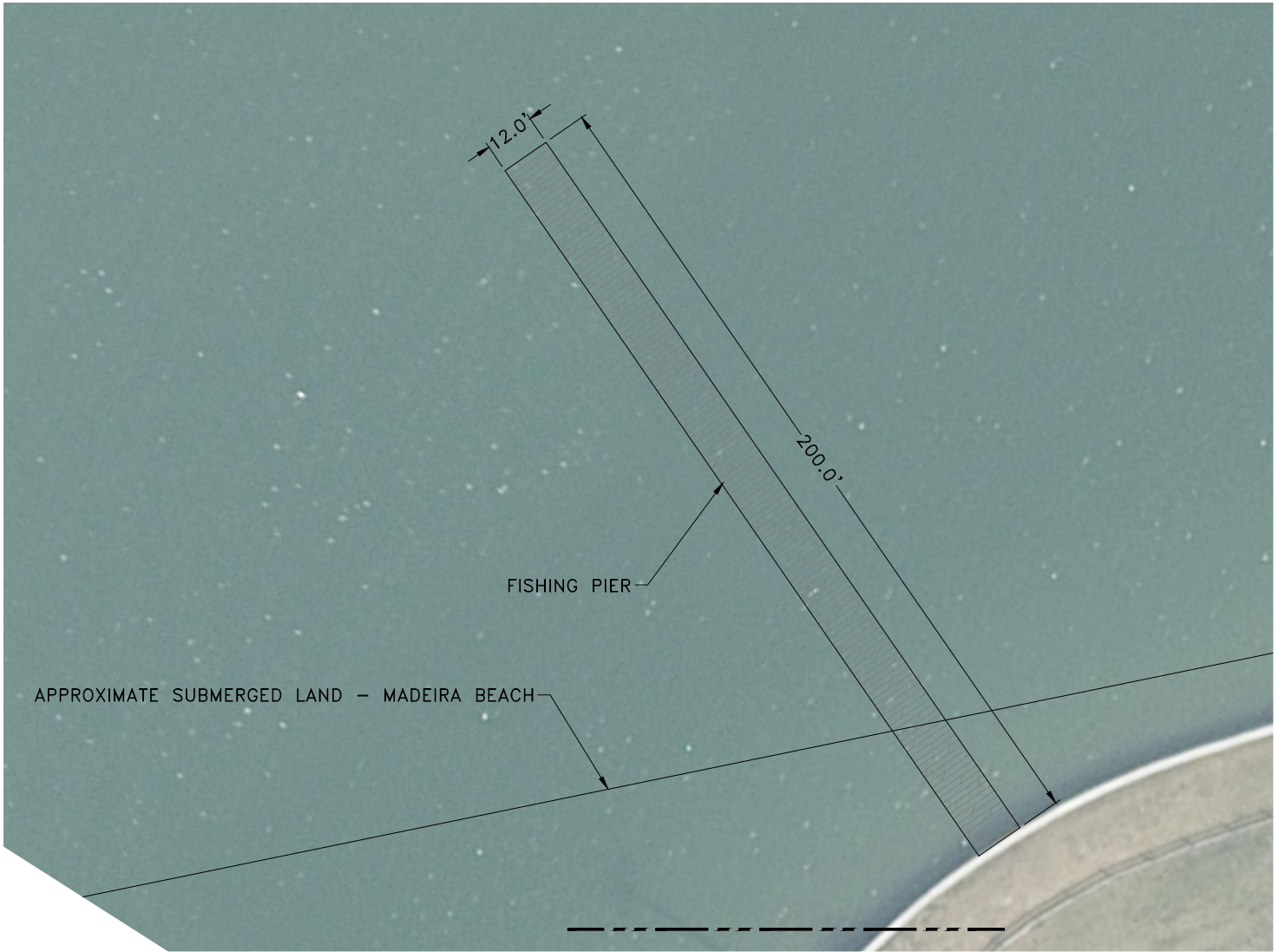
MADEIRA BEACH

FLORIDA

WORK ORDER	2015-76E
DATE:	6/4/2015
DRAWN:	DES
SCALE:	1" = 40'
SHEET NO.	6 OF 11



0' 40'
 SCALE: 1" = 40'



MATCHLINE D

NOTES:
 1.

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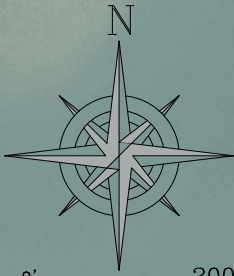
CITY OF MADEIRA BEACH
CITY HALL DOCKS
SITE PLAN 5 of 5

MADEIRA BEACH

FLORIDA

WORK ORDER	2015-76E
DATE:	6/4/2015
DRAWN:	DES
SCALE:	1" = 40'
SHEET NO.	7 OF 11

CONSTRUCT 1777 LF OF
FLOATING TURBIDITY BARRIER



0' 200'
SCALE: 1" = 200'



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ALBERT P. CARRIER, P.E. 53990

CITY OF MADEIRA BEACH
CITY HALL DOCKS
TURBIDITY CONTROL PLAN

MADEIRA BEACH

FLORIDA

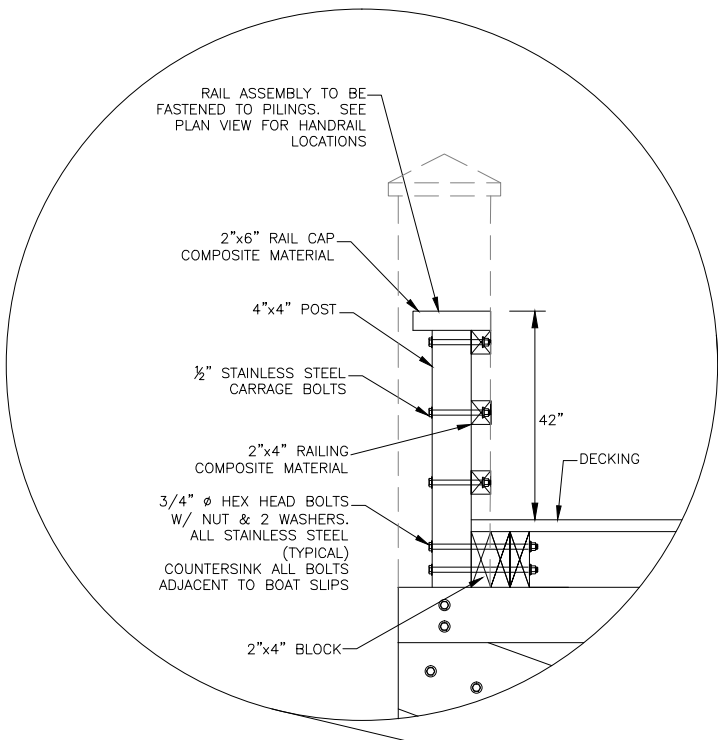
WORK ORDER | 2015-76E

DATE: 6/4/2015

DRAWN: DES

SCALE: 1" = 200'

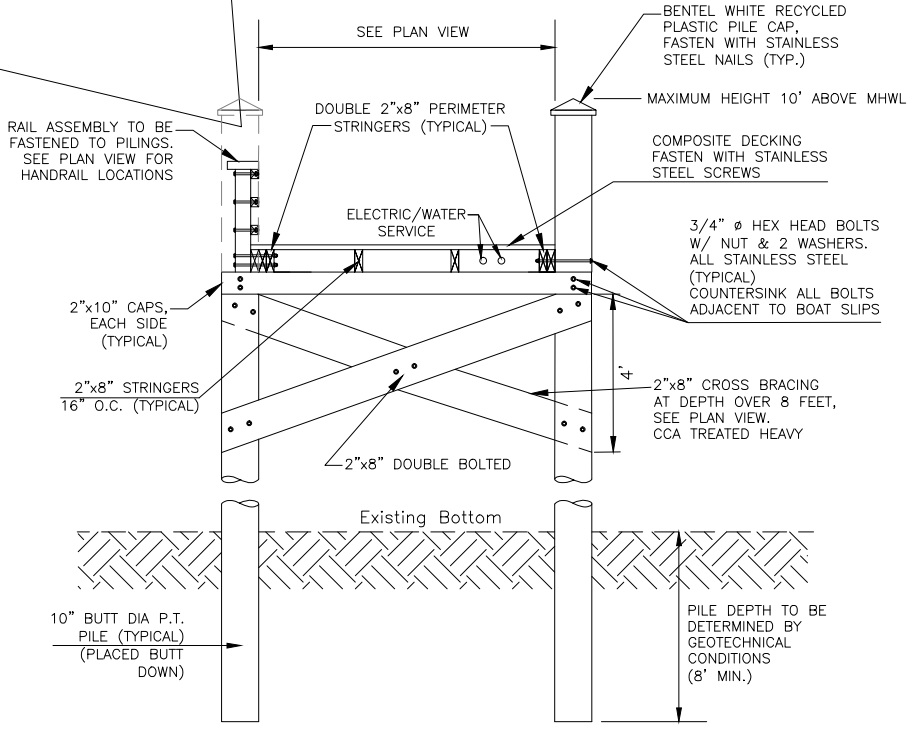
SHEET NO. 8 OF 11



GENERAL NOTES:

1. ALL CONSTRUCTION TO MEET OR EXCEED PINELLAS COUNTY LAND DEVELOPMENT CODE SECTION 166.
2. ELEVATION OF DECK TO MATCH EXISTING BULKHEAD.
3. PILING SPACING (CENTER TO CENTER) TO BE 10 FEET NOMINAL, NOT TO EXCEED 12 FEET.
4. NAIL ALL JOINTS WITH 30D GALVANIZED NAILS BEFORE BOLTING.
5. SCREW DECKING TO EACH STRINGER WITH SS #504 SCREWS.
6. ALL BOLTS, NUTS & WASHERS SHALL BE SS #504.
7. ALL TIMBER PILES SHALL BE SOUTHERN PINE GRADE ONE (1) & TREATED 2.5 P.C.F. OF C.C.A. (10" MINIMUM BUTT DIAMETER).
8. ALL PILINGS TO BE SEATED WITH FREE FALLING HAMMER LAST 2 FEET MINIMUM.
9. ALL FRAMING, CAPS AND STRINGERS SHALL BE SOUTHERN PINE GRADE ONE (1), FINISHED RS, & TREATED W/0.6 OF C.C.A.
10. STRINGER LAP JOINTS = 4 FEET MIN. FOR DOUBLE STRINGERS.
11. 2 FEET MIN. FOR INTERMEDIATE STRINGERS.
12. ALL PLANKS AND POSTS SHALL BE SOUTHERN PINE GRADE ONE (1), FINISHED S4S AND TREATED WITH 0.4 P.C.F. OF C.C.A.
13. ALL PERIMETER FRAMING TO BE DOUBLE 2"x10".

NOTE: COMPOSITE DECKING AND RAILING TREX TRANSCEND, "ROPE SWING", 2"x6"



FISHING PIER CROSS-SECTION
Scale: NTS

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CITY OF MADEIRA BEACH
CITY HALL DOCKS
FISHING PIER CROSS-SECTION

MADEIRA BEACH

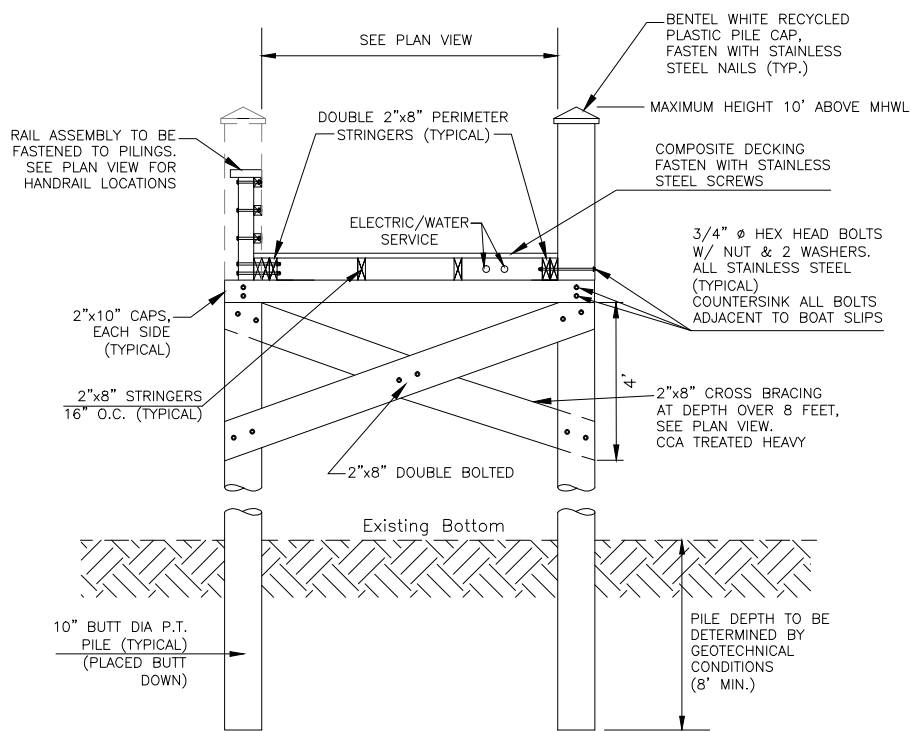
FLORIDA

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DATE:	6/4/2015
DRAWN:	DES
SCALE:	N/A
SHEET NO.	9 OF 11

GENERAL NOTES:

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NOTE: COMPOSITE DECKING TREX TRANSCEND, "ROPE SWING", 2"x6"



FIXED DOCK/CATWALK CROSS-SECTION

Scale: NTS



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**CITY OF MADEIRA BEACH
 CITY HALL DOCKS
 FIXED DOCK/CATWALK
 CROSS-SECTION**

MADEIRA BEACH

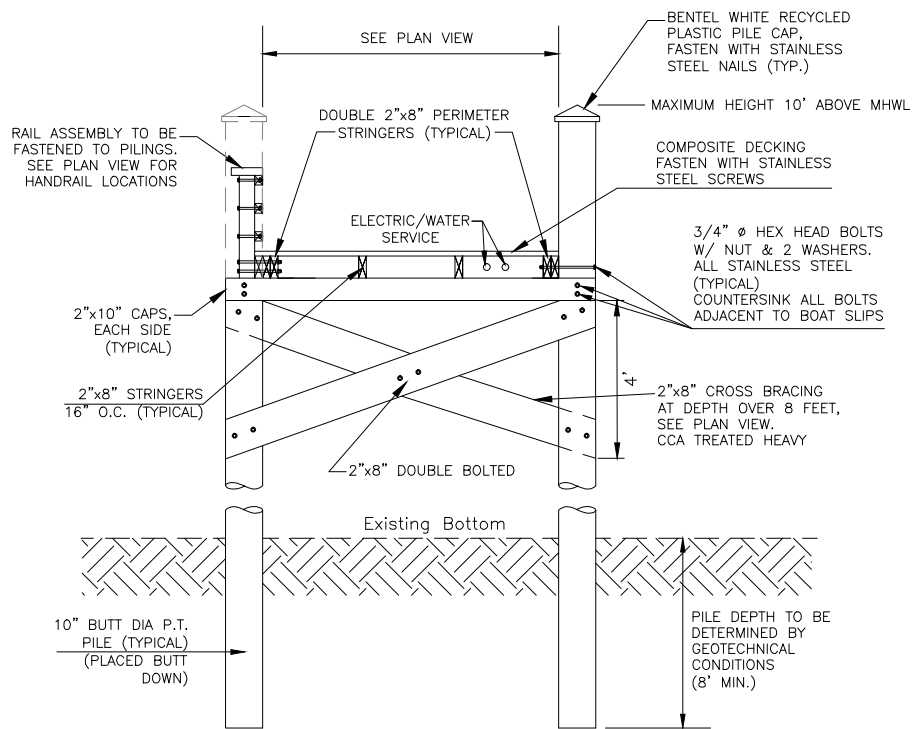
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NOTE: COMPOSITE DECKING TREX TRANSCEND, "ROPE SWING", 2"x6"



FLOATING DOCK CROSS-SECTION

Scale: NTS

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 CITY HALL DOCKS
 FLOATING DOCK CROSS-SECTION

MADEIRA BEACH

FLORIDA

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SHEET NO.	11 OF 11