

LOCATION MAP AND LEGAL DESCRIPTION



PROJECT SITE LOCATION:
1736 W 28 STREET
MIAMI BEACH, FL 33140

LATITUDE: 25°48'13.53"N
LONGITUDE: 80° 8'45.71"W

FOLIO No.: 02-3228-001-0470

LEGAL DESCRIPTION:

27-28-33-34 53 42 PB 40-8
SUNSET ISLANDS-ISLAND NO 1

LOTS 3 4 & 5 BLK 1 H
LOT SIZE IRREGULAR

OR 19159-4009 06 2000 1

COC 26192-063201 2008 5

RER - NATURAL RESOURCES DIVISION
PRELIMINARY APPROVAL
NAME: M. Helumetoch
DATE: 7/27/17
C-1-2015-0133

GENERAL NOTES:

1. ELEVATIONS SHOWN REFER TO THE NATIONAL GEODETIC VERTICAL DATUM (NGVD) OF 1929.
2. ALL DIMENSIONS ON PLANS ARE SUBJECT TO VERIFICATION IN THE FIELD.
3. IT IS THE INTENT OF THESE PLANS TO BE IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. ANY DISCREPANCIES BETWEEN THESE PLANS AND APPLICABLE CODES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF ENGINEER BEFORE PROCEEDING WITH WORK. CONTRACTOR AND ALL SUBCONTRACTORS ARE RESPONSIBLE FOR ALL LINES, ELEVATIONS, AND MEASUREMENTS IN CONNECTION WITH THEIR WORK.
4. IT IS THE INTENT OF THESE PLANS AND THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH LOCAL, STATE, AND FEDERAL ENVIRONMENTAL PERMITS ISSUED FOR THIS PROJECT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE AND GOVERN HIMSELF BY ALL PROVISIONS OF THESE PERMITS.
5. APPLICABLE BUILDING CODE: FLORIDA BUILDING CODE, 2014 EDITION (AND CURRENT ADDENDUMS).
6. APPROVED CONTRACTOR TO DETERMINE THE SUITABILITY OF EXISTING STRUCTURES AND VERIFY ALL DIMENSIONS. THE APPROVED CONTRACTOR IS RESPONSIBLE FOR ALL METHODS, MEANS, SEQUENCES AND PROCEDURES OF WORK.
7. DO NOT SCALE DRAWINGS FOR DIMENSIONS.
8. CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO COMMENCING WORK.
9. CONTRACTOR TO PROPERLY FENCE AND SECURE AREA WITH BARRICADES.
10. ANY DEVIATION AND/OR SUBSTITUTION FROM THE INFORMATION PROVIDED HEREIN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCEMENT OF WORK.
11. ALL NEW MATERIALS AND/OR PATCHWORK SHALL BE PROVIDED TO MATCH EXISTING MATERIALS AND/OR ADJOINING WORK WHERE PRACTICAL EXCEPT AS SPECIFICALLY NOTED HEREIN.
12. LICENSED CONTRACTOR SHALL USE ALL POSSIBLE CARE TO PROTECT ALL EXISTING MATERIALS, SURFACES, AND FURNISHINGS FROM DAMAGE DURING ALL PHASES OF CONSTRUCTION.
13. THE LICENSED CONTRACTOR TO INSTALL AND REMOVE ALL SHORING AND BRACING AS REQUIRED FOR THE PROPER EXECUTION OF THE WORK.
14. ALL NEW WORK AND/OR MATERIALS SHALL CONFORM TO ALL REQUIREMENTS OF EACH ADMINISTRATIVE BODY HAVING JURISDICTION IN EACH PERTAINING CIRCUMSTANCE.
15. THE CONTRACTOR WILL EMPLOY AND MAINTAIN ADEQUATE SEDIMENT AND EROSION CONTROL MEASURES TO PROTECT BISCAYNE BAY FROM SEDIMENT AND CONSTRUCTION DEBRIS.

DOCK: LL 60 PSF

BOLTS

1. ALL BOLTS SHALL BE STAINLESS STEEL, UNLESS OTHERWISE NOTED.

WOOD

1. PRIMARY WOOD FRAMING MEMBERS SHALL BE NUMBER 1 PRESSURE TREATED SOUTHERN PINE OR BETTER.
2. ALL DIMENSIONS ON PLANS ARE SUBJECT TO VERIFICATION IN THE FIELD.

CONCRETE

1. CONCRETE SHALL CONFORM TO ACI 318 (LATEST ED.) AND SHALL BE REGULAR WEIGHT, SULFATE RESISTANT, WITH A DESIGN STRENGTH OF 5,000 PSI AT 28 DAYS W/ A MAX WATER-CEMENTIOUS MATERIALS RATIO, BY WEIGHT, NORMAL WEIGHT AGGREGATE CONCRETE OF 0.40.
2. OWNER SHALL EMPLOY AND PAY FOR TESTING SERVICES FROM AN INDEPENDENT TESTING LABORATORY FOR CONCRETE SAMPLING AND TESTING IN ACCORDANCE W/ ASTM.
3. LICENSED CONTRACTOR IS RESPONSIBLE FOR THE ADEQUACY OF FORMS AND SHORING AND FOR SAFE PRACTICE IN THEIR USE AND REMOVAL.
4. CONCRETE COVER SHALL BE 3" UNLESS OTHERWISE NOTED ON APPROVED DRAWINGS.
5. REINFORCING STEEL SHALL BE IN CONFORMANCE WITH THE LATEST VERSION OF ASTM A615 GRADE 60 SPECIFICATIONS. ALL REINFORCEMENT SHALL BE PLACED IN ACCORDANCE W/ ACI 315 AND ACI MANUAL OF STANDARD PRACTICE.
6. SPLICES IN REINFORCING BARS SHALL NOT BE LESS THAN 48 BAR DIAMETERS AND REINFORCING SHALL BE CONTINUOUS AROUND ALL CORNERS AND CHANGES IN DIRECTION. CONTINUITY SHALL BE PROVIDED AT CORNERS OR CHANGES IN DIRECTION BY BENDING THE LONGITUDINAL STEEL AROUND THE CORNER 48 BAR DIAMETERS.

PILE DRIVING NOTES

1. PILE DRIVING OPERATIONS SHALL BE OBSERVED BY A SPECIAL INSPECTOR, INCLUDING TEST PILES SUFFICIENT TO DETERMINE THE APPROXIMATE LENGTH REQUIRED TO MEET DESIGN CAPACITY.
2. PILES SHALL BE DRIVEN USING AN APPROVED CUSHION BLOCK CONSISTING OF MATERIAL SO ARRANGED SO AS TO PROVIDE THE TRANSMISSION OF THE HAMMER ENERGY.
3. PILES SHALL BE DRIVEN TO REQUIRED CAPACITY A MIN 12. INTO BERM.
4. PILES SHALL BE DRIVEN WITH A DROP HAMMER OR GRAVITY HAMMER PROVIDED THE HAMMER SHALL WEIGH NO LESS THAN 3,000 POUNDS, AND THE FALL OF THE HAMMER SHALL NOT EXCEED 6 FT.
5. PILES SHALL BE DRIVEN WITH A VARIATION OF NOT MORE THAN 1/4" PER FOOT FROM THE VERTICAL, OR FROM THE BATTER LINE INDICATED, WITH A MAX VARIATION OF THE HEAD OF THE PILE FROM THE POSITION SHOWN ON THE PLANS OF NOT MORE THAN 3".
6. WHERE PILING MUST PENETRATE STRATA OFFERING HIGH RESISTANCE TO DRIVING, THE STRUCTURAL ENGINEER OF RECORD OR SPECIAL INSPECTOR MAY REQUIRE THAT PILES BE SET IN PRE-DRILLED OR PUNCHED HOLES. THE PILES SHALL REACH THEIR FINAL PENETRATION BY DRIVING.

1736 W. 28th STREET DOCK & BOAT LIFT PROJECT

Miami Beach, Florida

CLIENT:

Mr. Aaron Pepper
Sunset Aqua 1736, LLC

1736 W 28th St
Miami Beach, FL 33140

ENVIRONMENTAL CONSULTANT:

OCEAN
CONSULTING, LLC

340 Minorca Avenue, Suite 7
Coral Gables, Florida 33134
Tel: (305) 921-9344
Fax: (305) 677-3254

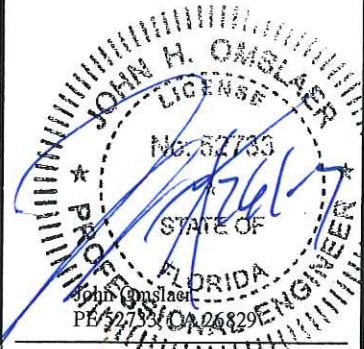
CONTRACTOR:

PROJECT ENGINEER:

DYNAMIC ENGINEERING
SOLUTIONS, INC.

351 S. Cypress Road, Suite 303
Pompano Beach, FL 33060
Tel: (954) 545-1740
Fax: (954) 545-1721

SEAL / SIGNATURE / DATE



PERMIT DRAWINGS

Issue # Issue Date

- | | |
|---|----------------|
| ③ | April 11, 2017 |
| ④ | April 12, 2017 |
| ⑤ | July 17, 2017 |
| ⑥ | July 25, 2017 |

PROJECT: 16-5385

PROJECT LOCATION & NOTES

SCALE : AS SHOWN
SHEET NO.

S-1

Miami Beach, Florida

ENVIRONMENTAL CONSULTANT:
OCEAN

CONTRACTOR:

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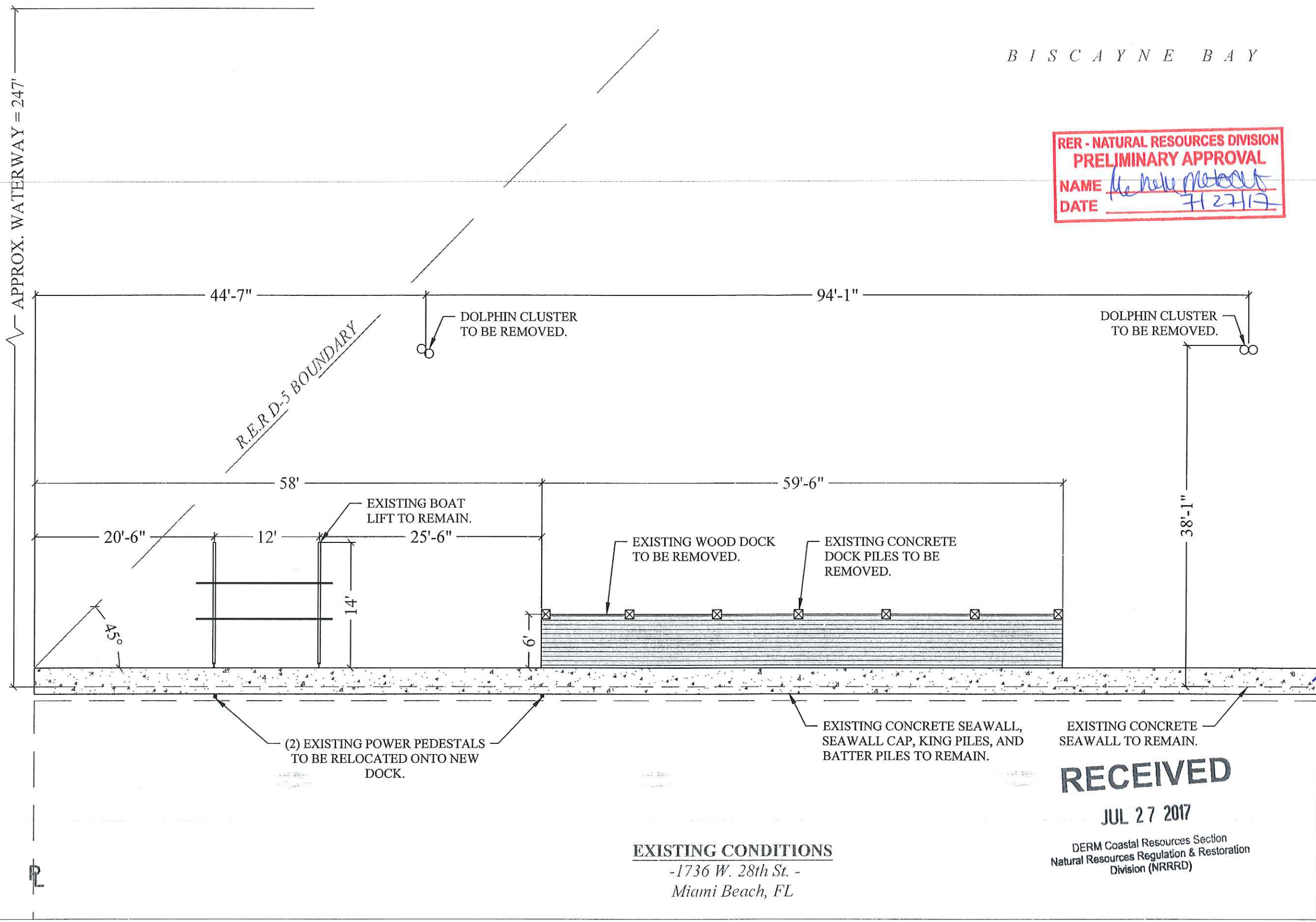
SCALE : AS SHOWN
SHEET NO.

S-2



-1736 W. 28th St. -
Miami Beach, FL





B I S C A Y N E B A Y

RER - NATURAL RESOURCES DIVISION
PRELIMINARY APPROVAL
NAME *Heidi M. M. M.*
DATE *7/27/17*

1736 W. 28th STREET
DOCK & BOAT LIFT
PROJECT

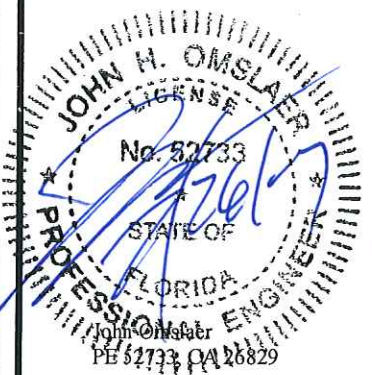
Miami Beach, Florida
CLIENT:
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EXISTING CONDITIONS

SCALE : AS SHOWN
SHEET NO.

S-2A

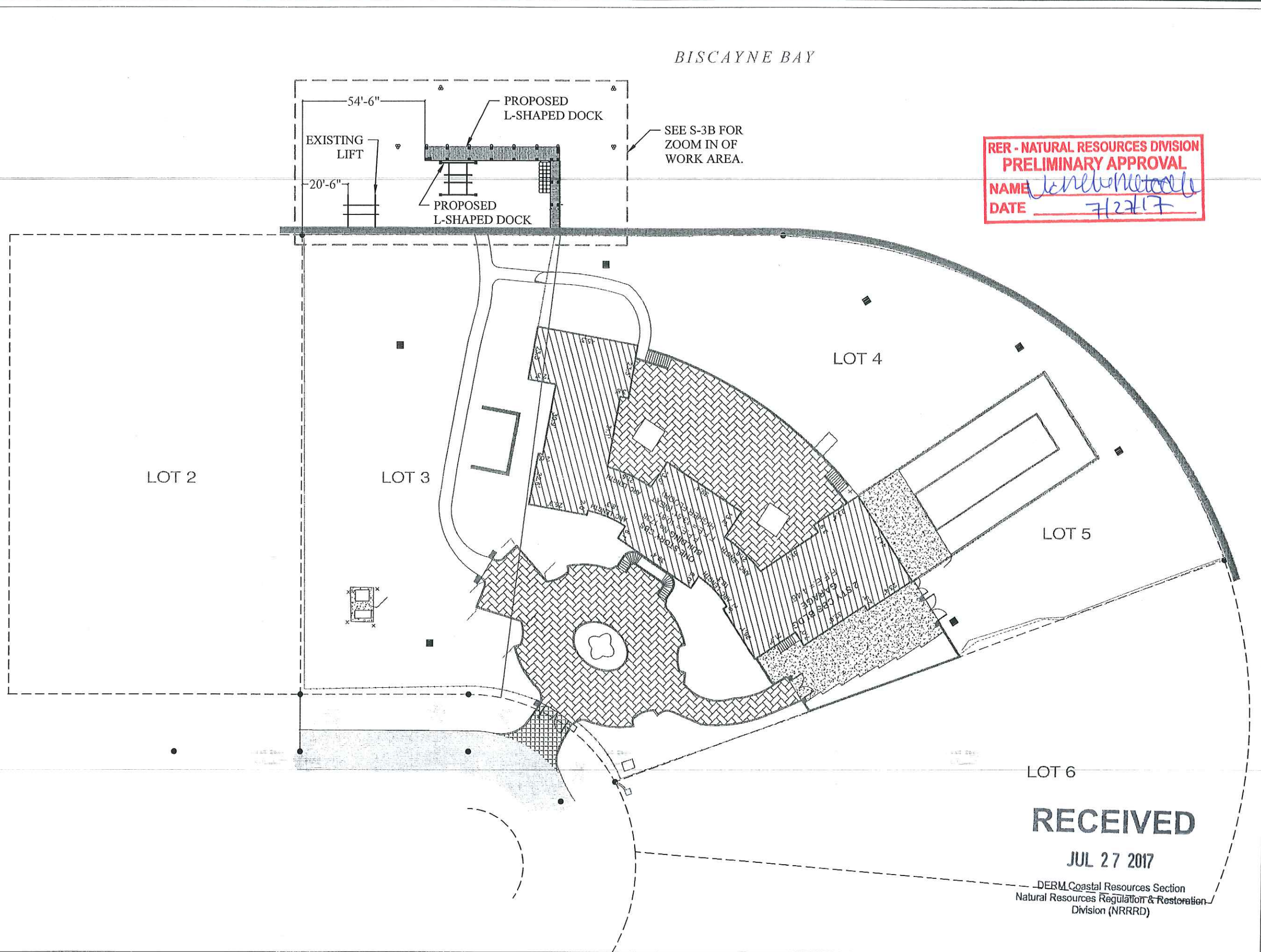
EXISTING CONDITIONS
-1736 W. 28th St. -
Miami Beach, FL

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JUL 27 2017

DERM Coastal Resources Section
Natural Resources Regulation & Restoration
Division (NRRRD)



0 10' 20'
SCALE: 3/32" = 1"



RER - NATURAL RESOURCES DIVISION
PRELIMINARY APPROVAL
NAME *John H. Omslaer*
DATE *7/27/17*

1736 W. 28th STREET
DOCK & BOAT LIFT
PROJECT

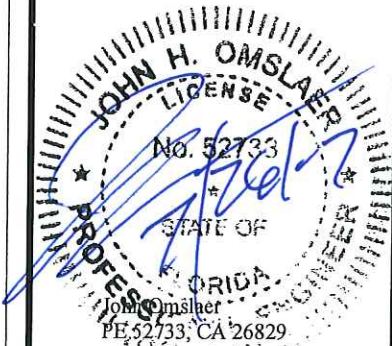
Miami Beach, Florida
CLIENT:
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PROPOSED SITE
PLAN

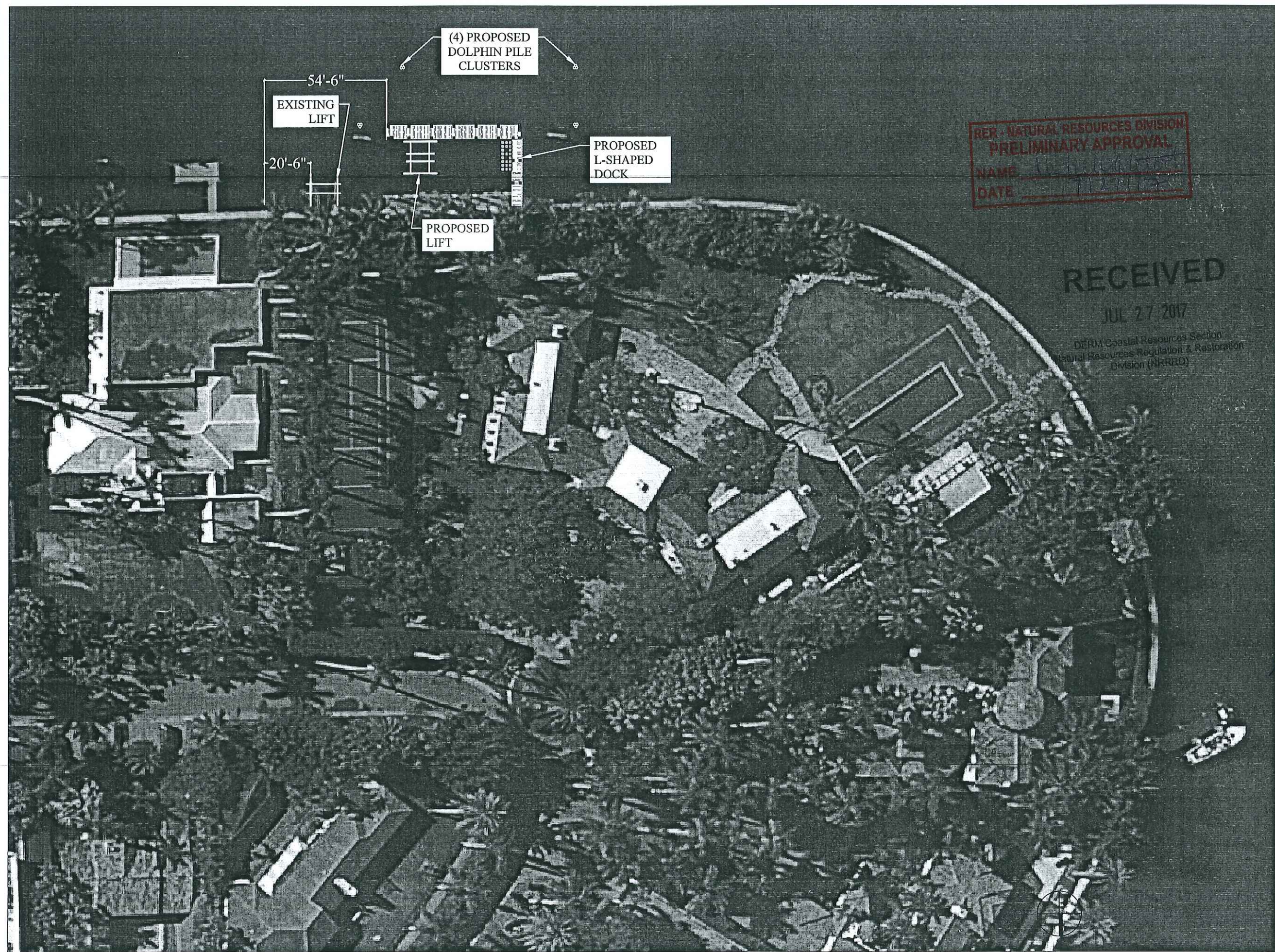
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S-3

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Division (NRRRD)



DER - NATURAL RESOURCES DIVISION
PRELIMINARY APPROVAL
NAME _____
DATE _____

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DERM Coastal Resources Section
Natural Resources Regulation & Restoration
Division (NRRD)

**1736 W. 28th STREET
DOCK & BOAT LIFT
PROJECT**

Miami Beach, Florida

CLIENT:
Mr. Aaron Pepper
Sunset Aqua 1736, LLC
1736 W 28th St
Miami Beach, FL 33140

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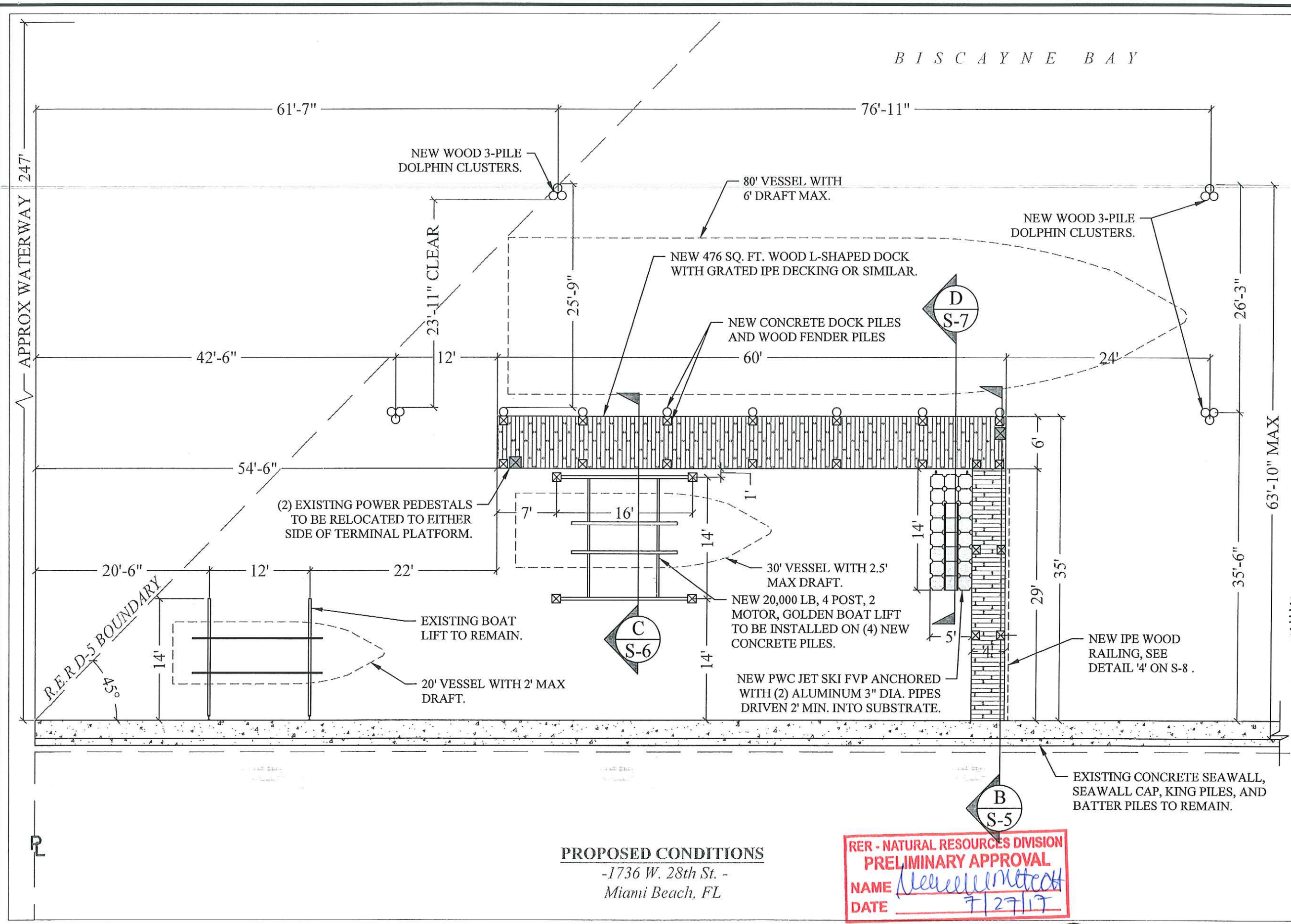
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**PROPOSED AERIAL
SITE PLAN**

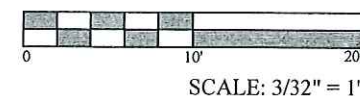
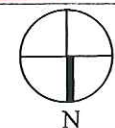
SCALE : AS SHOWN
SHEET NO.

S-3A



PROPOSED CONDITIONS
-1736 W. 28th St. -
Miami Beach, FL

RER - NATURAL RESOURCES DIVISION
PRELIMINARY APPROVAL
NAME *Heather Metcalf*
DATE *7/27/17*



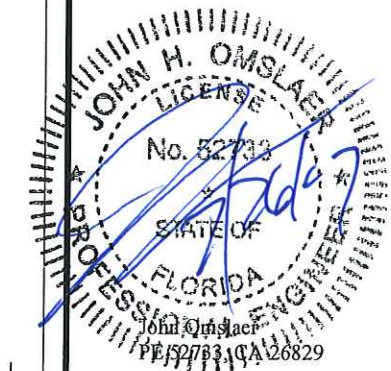
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**PROPOSED
CONDITIONS**

SCALE: AS SHOWN
SHEET NO.

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Natural Resources Regulation & Restoration
Division (NRRRD)

**1736 W. 28th STREET
DOCK & BOAT LIFT
PROJECT**
Miami Beach, Florida

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PROJECT ENGINEER:
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**DOCK FRAMING
PLAN AND HANGER
BLOCK DETAIL.**

SCALE: AS SHOWN
SHEET NO.

S-4

(7) NEW 12" DIA. CCA TREATED WOOD FENDER PILES
DRIVEN 12' MIN. INTO FIRM MATERIAL OR 15-TON
MIN. BEARING CAPACITY. AT EACH WATER-WARD
DOCK PILE. TO EXTEND 8' ABOVE DOCK.

NEW 3"x 8", P.T. WOOD STRINGERS AT 16" O.C. MAX,
SECURED TO SUB-STRINGER. USE S.S. HURRICANE
STRAPS WITH 10d S.S. NAILS (TYP.)

NEW 3"x10", P.T. WOOD SUB-STRINGER
SECURED WITH (2) 3/4" DIA S.S. THROUGH
BOLTS WITH WASHERS AT EACH END. (TYP.)

NEW IPE, BRAZILIAN HARDWOOD
GRATED DECKING. SEE DETAILS ON S-9.

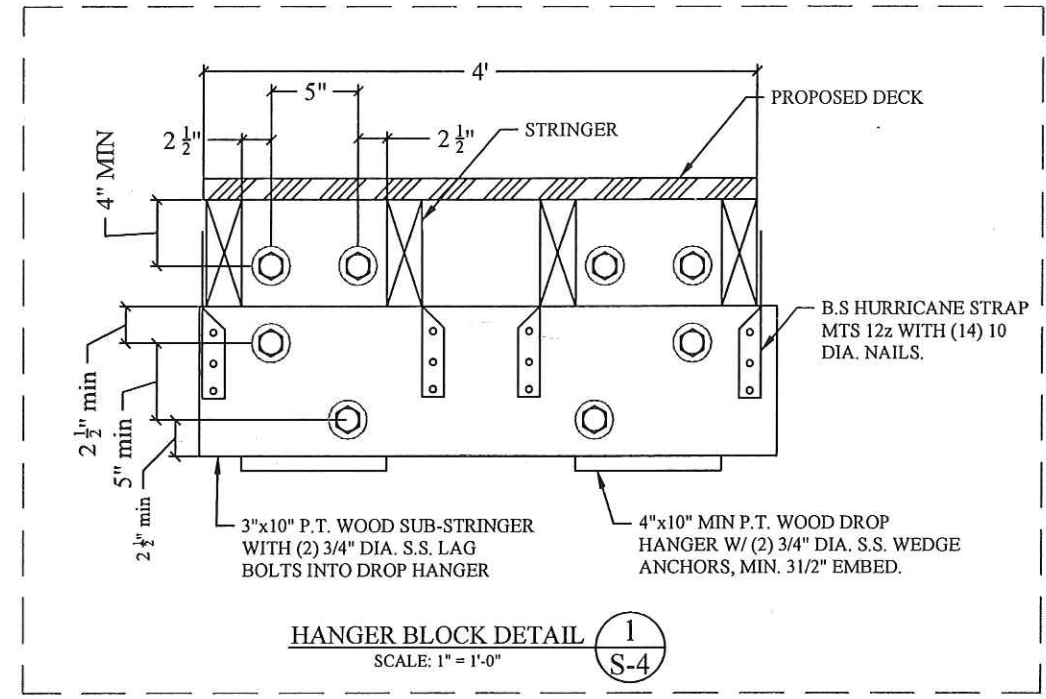
NEW IPE WOOD POSTS AND
DECORATIVE NON-STRUCTURAL ROPE
RAILING. SEE DETAILS ON SHEET S-7

(20) NEW 12" x 12" P.S. CONCRETE PILES
DRIVEN 12' MIN. INTO FIRM MATERIAL OR
25-TON MIN. BEARING CAPACITY. ALL
CONCRETE DOCK PILES TO BE CUT BELOW
DECK.

NEW 3"x 8", P.T. WOOD STRINGERS AT 16" O.C.
MAX, SECURED TO SUB-STRINGER. USE S.S.
HURRICANE STRAPS WITH 10d S.S. NAILS (TYP.)

NEW BLOCK HANGERS SECURED
TO CONCRETE SEAWALL. SEE
DETAIL '1' ON THIS SHEET.

EXISTING SEAWALL
TO REMAIN.



TYPICAL DOCK FRAMING PLAN

**DER - NATURAL RESOURCES DIVISION
PRELIMINARY APPROVAL**
NAME *M. M. M. M. M.*
DATE *7/27/17*

0 5' 10'
SCALE: 3/16" = 1"

**1736 W. 28th STREET
DOCK & BOAT LIFT
PROJECT**

Miami Beach, Florida

CLIENT:

**Mr. Aaron Pepper
Sunset Aqua 1736, LLC**

1736 W 28th St
Miami Beach, FL 33140

ENVIRONMENTAL CONSULTANT:

**OCEAN
CONSULTING, LLC**

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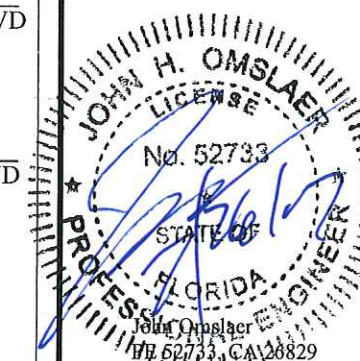
CONTRACTOR:

PROJECT ENGINEER:

**DYNAMIC ENGINEERING
SOLUTIONS, INC.**

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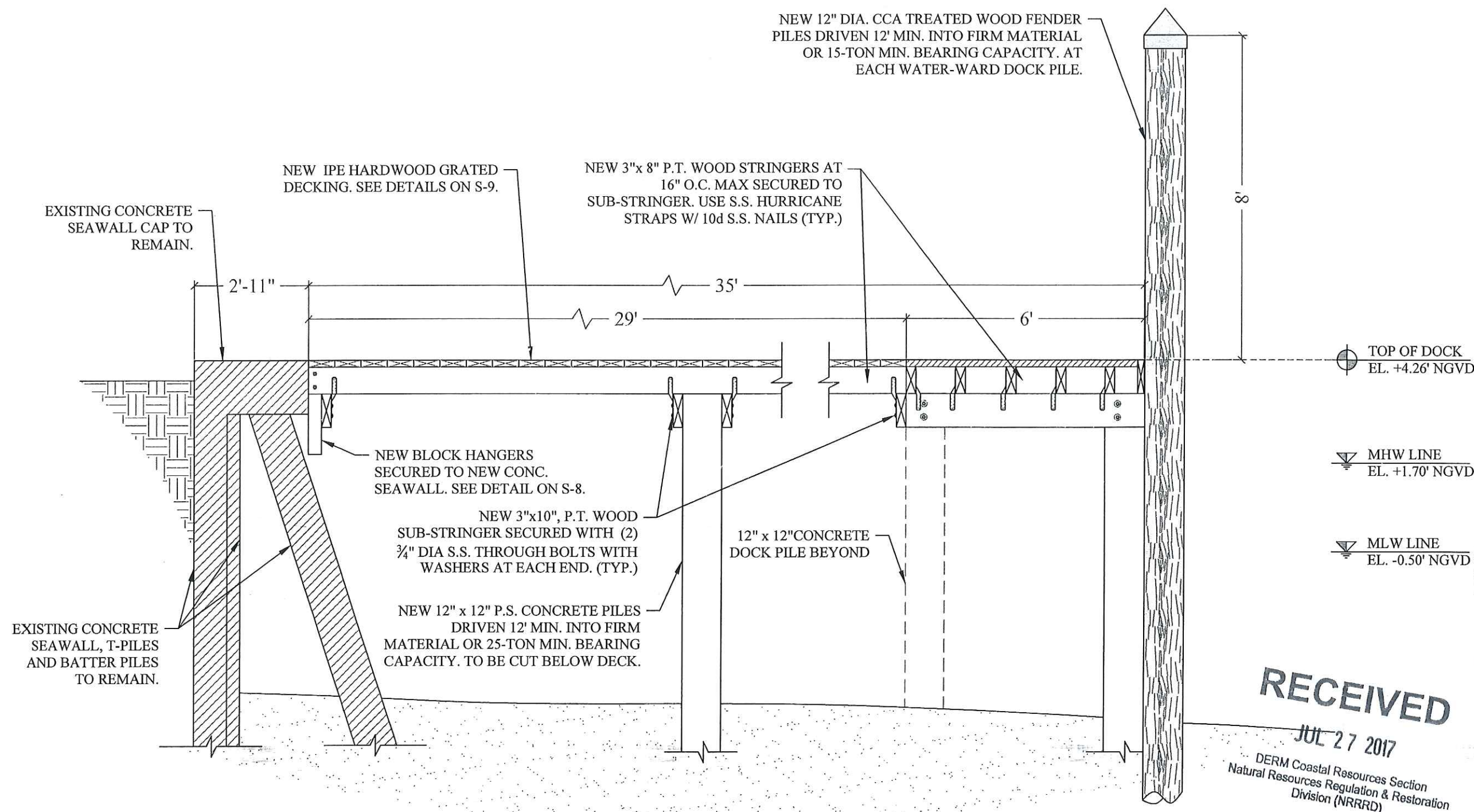
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PROJECT: 16-5385

TYPICAL DOCK
SECTION

SCALE : AS SHOWN
SHEET NO.

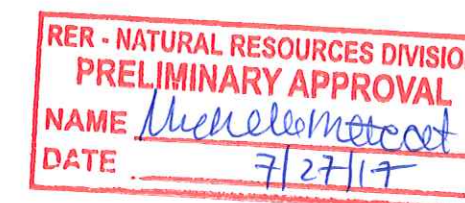
S-5



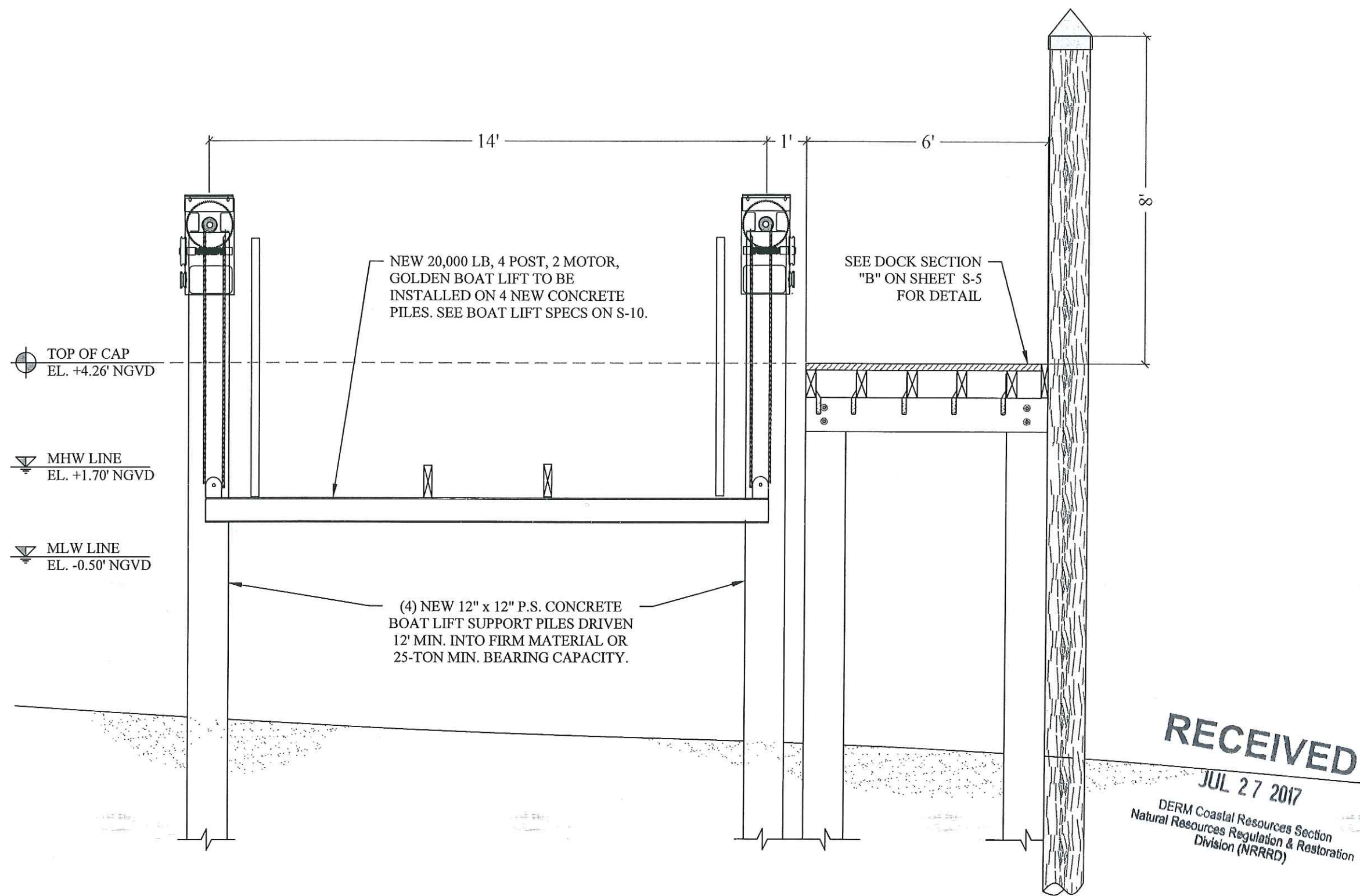
PROPOSED DOCK TO SEAWALL CONNECTION SECTION

SCALE: 3/8" = 1'-0"

**B
S-5**



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DERM Coastal Resources Section
Natural Resources Regulation & Restoration
Division (NRRRD)



PROPOSED BOAT LIFT SECTION **C**
 SCALE: 3/8" = 1'-0" **S-6**

RER - NATURAL RESOURCES DIVISION
PRELIMINARY APPROVAL
 NAME *Micelle Motoko*
 DATE *7/27/17*

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 Natural Resources Regulation & Restoration
 Division (NRRRD)

**1736 W. 28th STREET
 DOCK & BOAT LIFT
 PROJECT**
 Miami Beach, Florida

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Sunset Aqua 1736, LLC
 1736 W 28th St
 Miami Beach, FL 33140

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PROJECT ENGINEER:
**DYNAMIC ENGINEERING
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SEAL / SIGNATURE / DATE

 John Omslaer
 PE 52733, CA 26829

PERMIT DRAWINGS

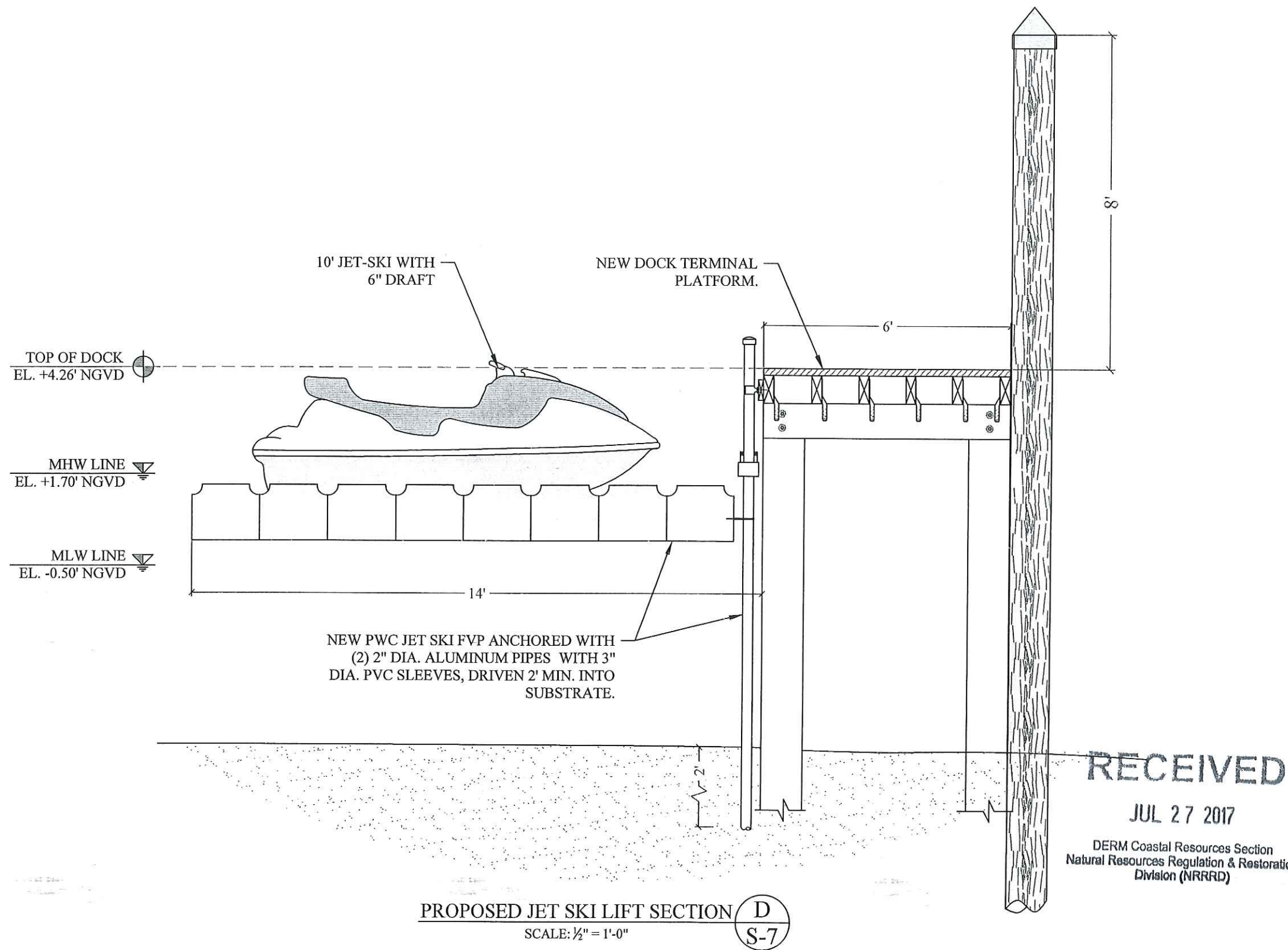
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PROJECT: 16-5385

**BOAT LIFT AND DOCK
 SECTION**

SCALE : AS SHOWN
 SHEET NO.

S-6



RER - NATURAL RESOURCES DIVISION
PRELIMINARY APPROVAL
NAME *Heather Metcalf*
DATE *7/27/17*

1736 W. 28th STREET DOCK & BOAT LIFT PROJECT

Miami Beach, Florida

CLIENT:

Mr. Aaron Pepper
Sunset Aqua 1736, LLC

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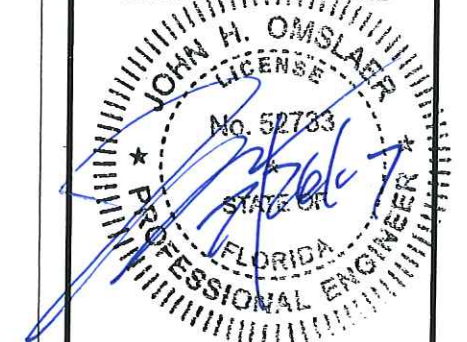
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John Omslaer
PE 52733, CA 26829

PERMIT DRAWINGS

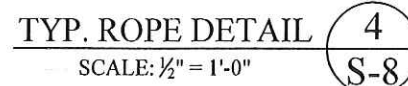
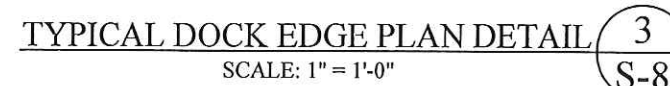
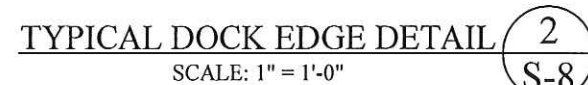
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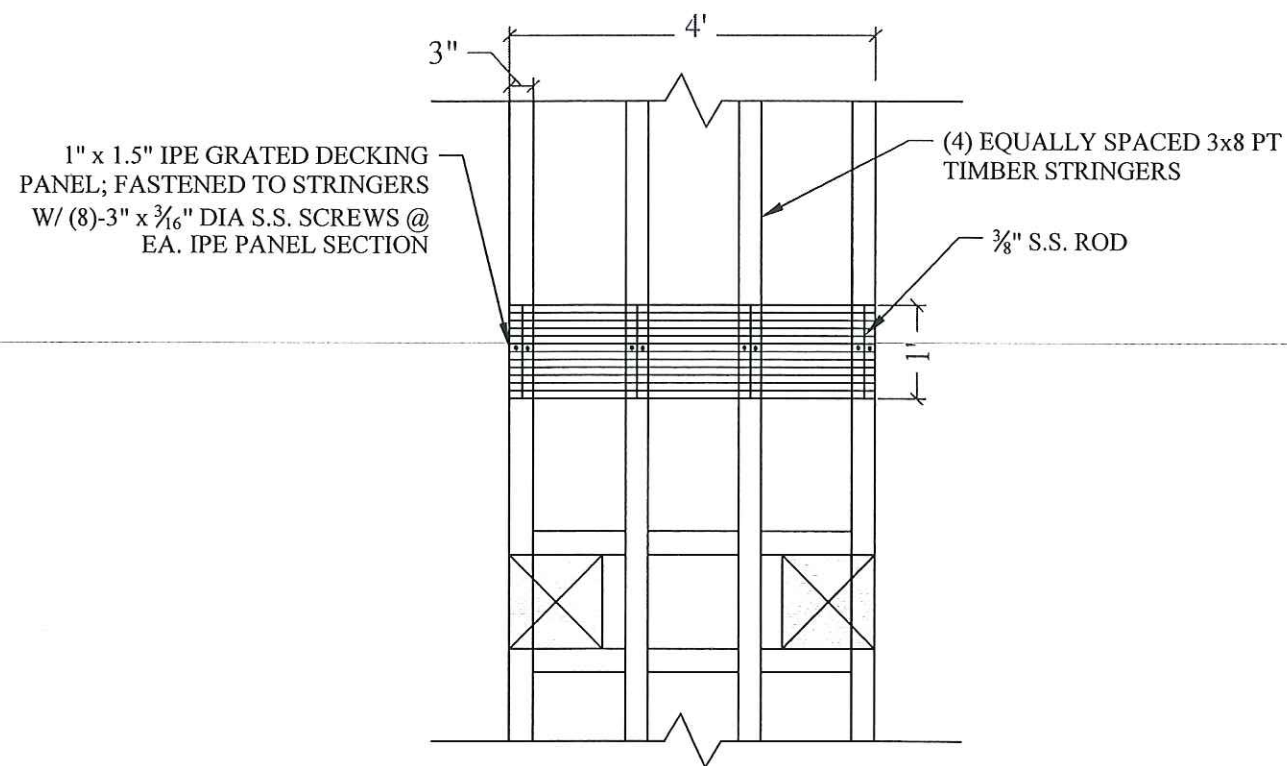
JET SKI LIFT
SECTION

SCALE : AS SHOWN
SHEET NO.

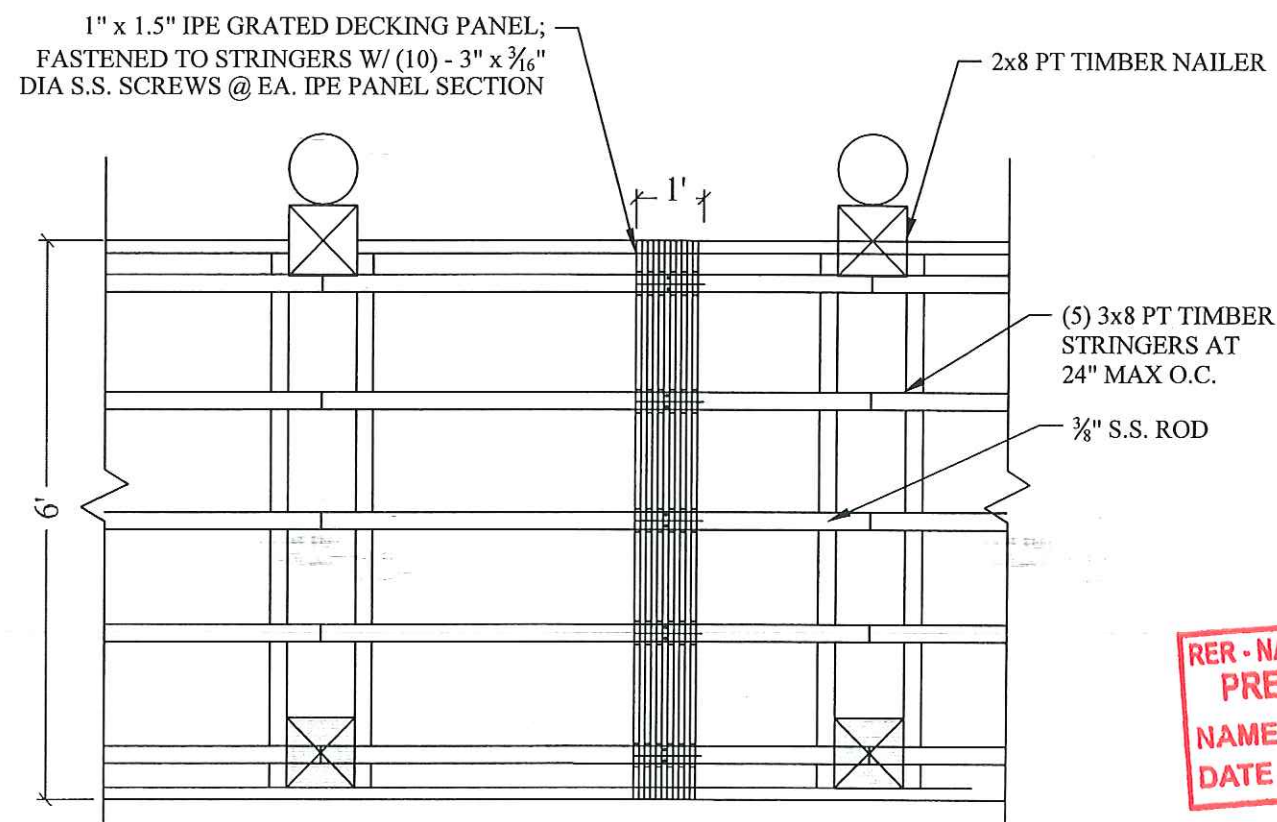
S-7



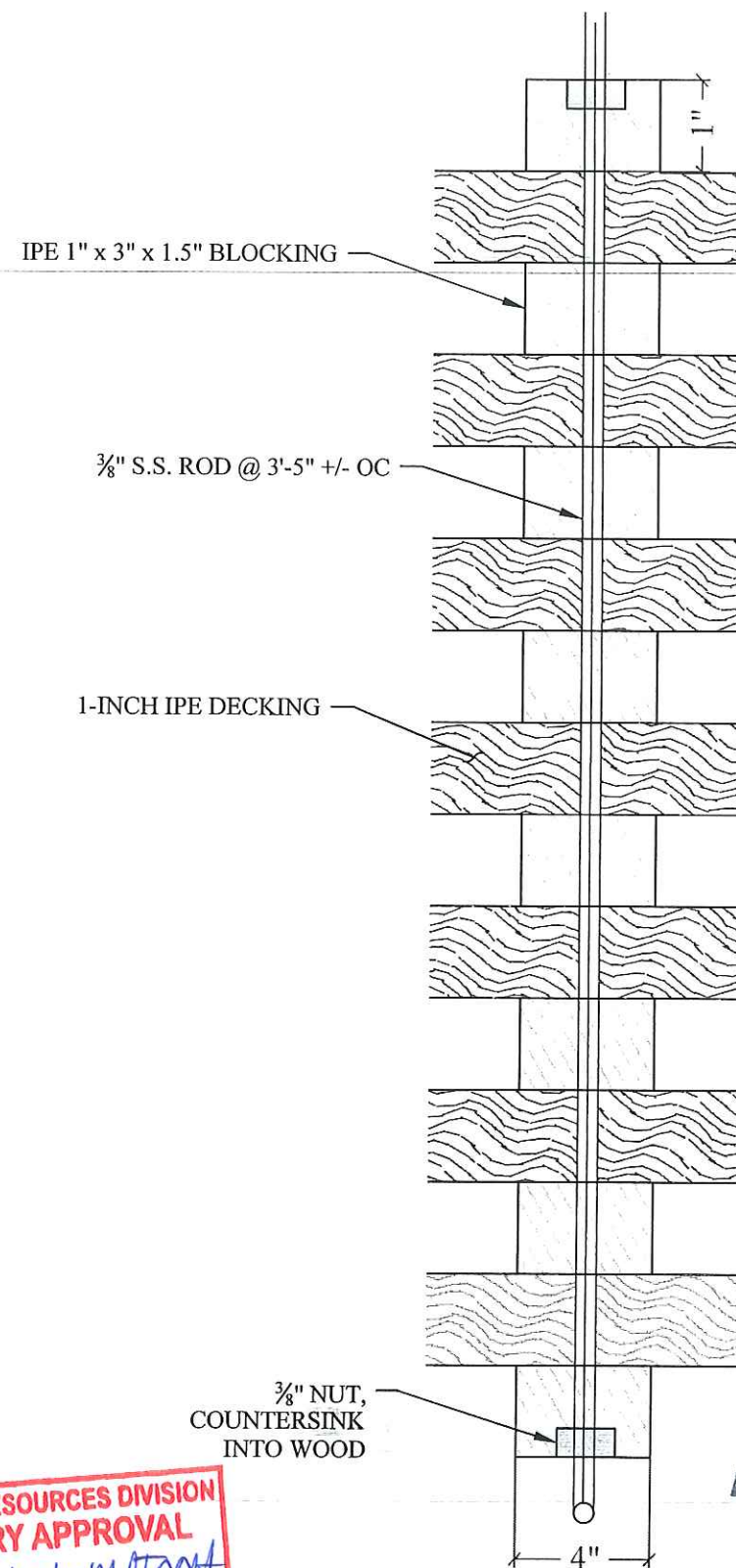
S-8



ACCESS WALKWAY IPE GRATED SPACE DETAIL 5
SCALE: $\frac{1}{2}$ " = 1'-0"



TERMINAL PLATFORM IPE GRATED SPACER DETAIL 6
SCALE: $\frac{3}{8}$ " = 1'-0"



IPE GRATING SPACER DETAIL 7
SCALE: $\frac{1}{4}$ " = 1'-0"

RER - NATURAL RESOURCES DIVISION
 PRELIMINARY APPROVAL
 NAME Isenehmet
 DATE 7/27/17

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1736 W. 28th STREET DOCK & BOAT LIFT PROJECT

Miami Beach, Florida

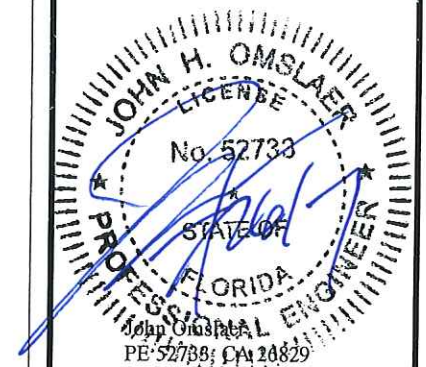
CLIENT:
Mr. Aaron Pepper
Sunset Aqua 1736, LLC
 1736 W 28th St
 Miami Beach, FL 33140

ENVIRONMENTAL CONSULTANT:
OCEAN CONSULTING, LLC
 340 Minorca Avenue, Suite 7
 Coral Gables, Florida 33134
 Tel: (305) 921-9344
 Fax: (305) 677-3254

CONTRACTOR:

PROJECT ENGINEER:
DYNAMIC ENGINEERING SOLUTIONS, INC.
 351 S. Cypress Road, Suite 303
 Pompano Beach, FL 33060
 Tel: (954) 545-1740
 Fax: (954) 545-1721

SEAL / SIGNATURE / DATE



PERMIT DRAWINGS

Issue #	Issue Date
③	April 11, 2017
④	April 12, 2017
⑤	July 17, 2017
⑥	July 25, 2017

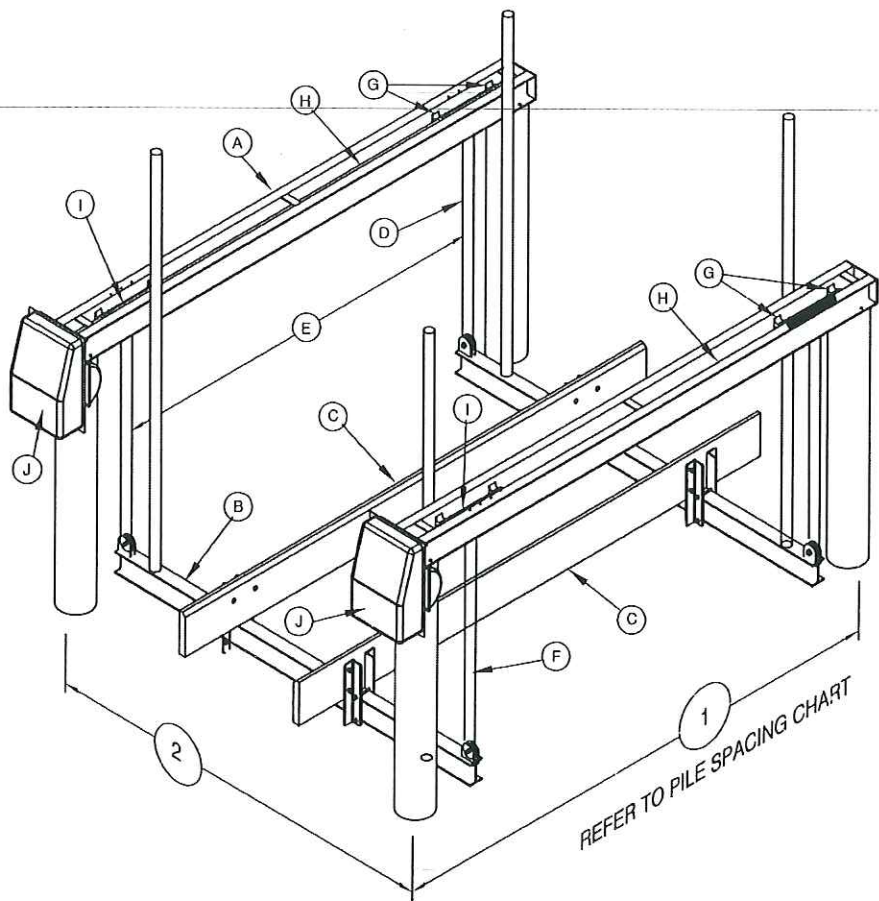
PROJECT: 16-5385

GRATED DECKING DETAILS

SCALE: AS SHOWN
 SHEET NO.

S-9

GOLDEN ENGINEERED 4 POST, 2 MOTOR BOAT LIFTS



PILE SPACING CHART
The boat center of gravity needs to be set in the center of the top beam

Lift Capacity	1" Dimension	2" Dimension	Recommended Pile Diameters
Lb.	Ft.	Ft.	In.
4,500	11	10	8
7,000		12	
10,000	12	12.5	10
14,000		14	
16,000		16	
20,000	14		12
24,000	16		

THIS CONSTRUCTION HAS BEEN DESIGNED AS A MAIN WIND FORCE RESISTING SYSTEM, WITH CALCULATED GRAVITY AND WIND LOADS IN COMPLIANCE WITH THE FLORIDA BUILDING CODE 2014, SECT. 1609, ADM 2005, AND ASCE 7-10 "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES" TO WITHSTAND THE WIND LOADS ASSOCIATED WITH AN ULTIMATE WIND SPEED OF 175 MPH, EXPOSURE "C". RISK CATEGORY = II AND DESIGN PRESSURE IS 45 PSF. DYNAMIC ENGINEERING SOLUTIONS HAS NO CONTROL OF THE MANUFACTURING, PERFORMANCE, OR INSTALLATION OF THIS PRODUCT. THESE GENERIC PLANS WERE ENGINEERED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICES AND DATA PROVIDED BY THE MANUFACTURER.

Dynamic Engineering Solutions, Inc.
John Omslaer
PE 52733, EB 26829
351 S. Cypress Road, Suite 303
Pompano Beach, FL 33062
(954) 545-1740 Fax: (954) 545-1721

STAINLESS STEEL PILING
MOUNT BRACKET, 4-3/8"
STAINLESS STEEL LAG SCREWS
USED TO CONNECT THE
BRACKETS TO THE PILING AND
2-3/8" CARRIAGE BOLTS USED
TO CONNECT THE BRACKETS
TO THE LIFT CHANNELS



	A	B	C	D	E	F	G	H	I	J		
	TOP BEAM CHANNEL 2 EACH INCHES	CRADLE I-BEAM 2 EACH INCHES	BUNK BOARDS (PT)	CABLE SIZE INCHES	CABLE SPREAD IN	GUIDE POST HGTH	BRGS	DRIVE SHAFT	WINDER DIA	MOTOR HP VOLTAGE	INCHES OF LIFT PER MIN	RECOM PILING SIZES
LIFT CAPACITY Lbs												
4,500#	4 H x .15 2 W x .23 140" OAL	6 H x .19 4 W x .29 120" LGTH	2x8x144 ROUGH SAWN CARPETED	4 - 5/16" x15" ST ST 1 PART	98"	80"	8 - 2" EXTRUDED 6061-T6 ALUM.	1-15/16" DIA. SCH 40 GALV PIPE	2-3/8" DIA SCH 80 ALUM PIPE	2 - 3/4 HP 120V/20A 240V/10A	27"	8" DIA
7,000#	5 H x .15 2.25 W x .28 x 153" OAL	6 H x .19 4 W x .29 144" LGTH								2 - 1 HP 120V/20A 240V/10A		
10,000#	6 H x .17 2.5 W x .29 x 153" OAL	8 H x .23 5 W x .35 150" LGTH		4 - 5/16" x30" ST ST 2 PART	110"					2 - 3/4 HP 120V/20A 240V/10A	12 1/2"	10" DIA
14,000#	7 H x .17 2.75 W x .29 x 153" OAL	8 H x .25 5 W x .41 150" LGTH										
16,000#	8 H x .19 3 W x .35 x 153" OAL	10 H x .25 6 W x .41 168" LGTH	3x10x92 ROUGH SAWN CARPETED	4 - 5/16" x45" ST ST 3 PART	122"	120"	8 - 2" EXTRUDED 6061-T6 ALUM.	1-15/16" DIA. SCH 80 GALV PIPE	2-3/8" DIA SCH 80 ALUM PIPE	2 - 1 HP 120V/20A 240V/10A	9"	12" DIA
20,000#	8 H x .25 3.75 W x .41 x 177" OAL	10 H x .25 6 W x .41 192" LGTH										
24,000#	8 H x .25 3.75 W x .41 x 201" OAL	10 H x .29 6 W x .50 192" LGTH			134"							

Golden Manufacturing, Inc. 17661 East Street, N. Fort Myers Florida 33917 Pub 0903

1736 W. 28th STREET
DOCK & BOAT LIFT
PROJECT

Miami Beach, Florida

CLIENT:

Mr. Aaron Pepper
Sunset Aqua 1736, LLC

1736 W 28th St
Miami Beach, FL 33140

ENVIRONMENTAL CONSULTANT:

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SEAL / SIGNATURE / DATE



RECEIVED

JUL 27 2017

DERM Coastal Resources Section
Natural Resources Regulation & Restoration
Division (NRRRD)

PERMIT DRAWINGS

Issue #	Issue Date
③	April 11, 2017
④	April 12, 2017
⑤	July 17, 2017
⑥	July 25, 2017

PROJECT: 16-5385

BOAT LIFT
SPECIFICATIONS

SCALE: AS SHOWN
SHEET NO.

S-10





Carlos A. Gimenez, Mayor

Department of Regulatory and Economic Resources

Environmental Resources Management

701 NW 1st Court, 6th Floor

Miami, Florida 33136-3912

T 305-372-6567 F 305-372-6407

miamidade.gov

June 20, 2017

Sunset Aqua 1736, LLC
c/o Anthony Tamer, Manager
1736 West 28th Street
Miami Beach, Florida 33140

Re: Class I Permit Application CLI-2015-0133: Sunset Aqua 1736, LLC – Dock located at 1736 West 28th Street, Miami Beach, Miami-Dade County, Florida. (Folio No. 02-3228-001-0470)

Dear Mr. Tamer:

Please accept this letter in response to your inquiry regarding DERM's recommended dock configuration for the above-referenced property.

DERM staff make recommendations for the placement of mooring structures at a particular site based on the evaluation criteria pursuant to the Code of Miami-Dade County, which include but are not limited to, obtaining adequate water depth for the vessel proposed to be moored on-site and the avoidance and minimization of impacts to resources. Adequate water depth for mooring the 80 foot long vessel with a 6 foot draft is not obtained until 35 feet waterward of the seawall. Therefore, based on the specifications for that vessel, DERM recommends the dock location and configuration as depicted on the plans signed and sealed by John Omslaer, P.E. on April 13, 2017 and preliminary approved by DERM on April 14, 2017, including the handwritten changes initialed and dated May 26, 2017 (Attachment A).

Please contact me at (305) 372-6595 or barrel@miamidade.gov if you have any questions or need additional information.

Sincerely,

A handwritten signature in cursive script that reads "Lourdes Barrelli".

Lourdes Barrelli, Biologist II
Coastal and Wetlands Resources Section
Division of Environmental Resources Management (DERM)

cc: Kirk Lofgren, Ocean Consulting, LLC – Authorized Permit Agent



AO 5/26/17



FILE: CLI-2012-0343

NAME: Sunset Aqua 1736, LLC.

ADDRESS: 1736 West 28th St. Miami Beach, FL 33140

All depths have been adjusted 1.8' taken 12/22/2012

TIME/DATE/PERSONNEL: First visit 12/5/2012 2:00pm D. Aranda, A. Roberts.

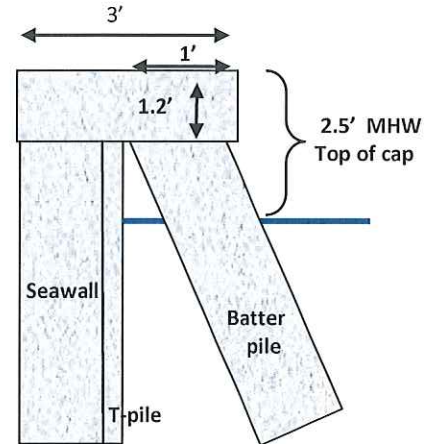
TIME/DATE/PERSONNEL: Second visit 12/20/2012 1:00pm D. Aranda, N. Fresard, M. Sinnott.

Depths adjusted at 2.2' taken 12/5/2012

Seawall cross section

LF	Depths	Contours from cap (x'ww)				Depths (x'ww)	
		4'	4.5'	5'	6'	2'	4'
	WALL	MLW	MLW	MLW	MLW	ww	ww
10	3.8'	2.0'	7.7'	12.1'	19.2'	4.0'	4.1'
20	3.3'	4.1'	4.5'	14.3'	21.6'	3.2'	3.8'
30	3.4'	4.1'	10.4'	15.7'	21.4'	3.3'	3.5'
40	3.4'	6.1'	11.6'	16.8'	24.4'	3.6'	3.7'
50	3.2'	7.6'	8.9'	9.4'	11.9'	3.2'	3.4'
60	Dock	Dock	9.0'	10.2'	12.0'		
70	Dock	Dock	10.7'	11.4'	14.4'		
80	Dock	Dock	9.2'	15.0'	15.0'		
90	Dock	Dock	11.5'	14.2'	18.1'		
100	Dock	Dock	12.1'	13.6'	17.8'		
110	Dock	Dock	10.0'	12.2'	17.0'		
120	Dock	Dock	12.2'	13.0'	17.5'		

Wall depths	
LF	Wall
140	2.8'
180	2.7'
200	2.8'
220	2.8'
240	2.8'
260	2.8'
280	2.9'
300	2.7'
320	1.8'
340	Rip rap
360	2.5'
380	3.0'
400	3.0'
420	3.2'
440	3.3'
460	2.6'



Legend:

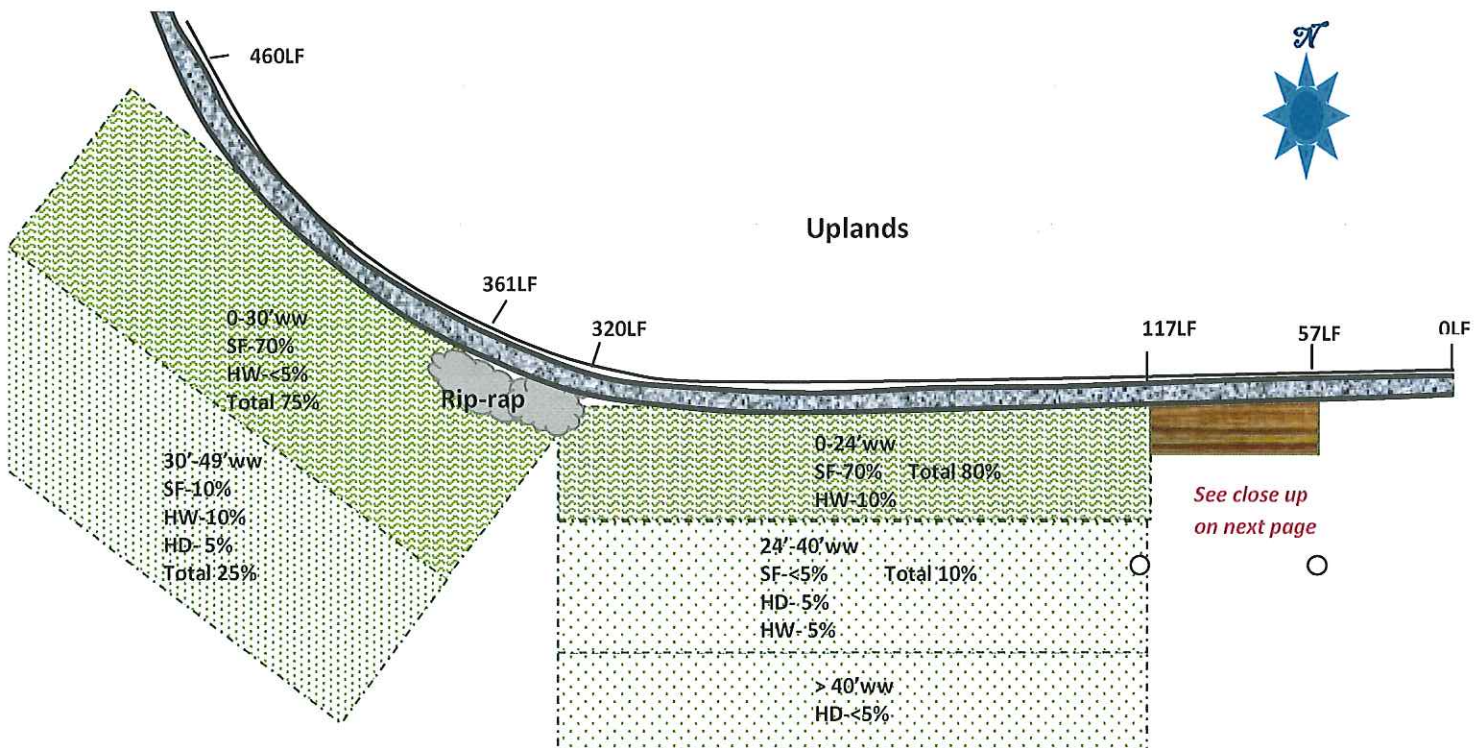
ww- waterward LF- linear feet
MLW- Mean low water MHW- Mean high water

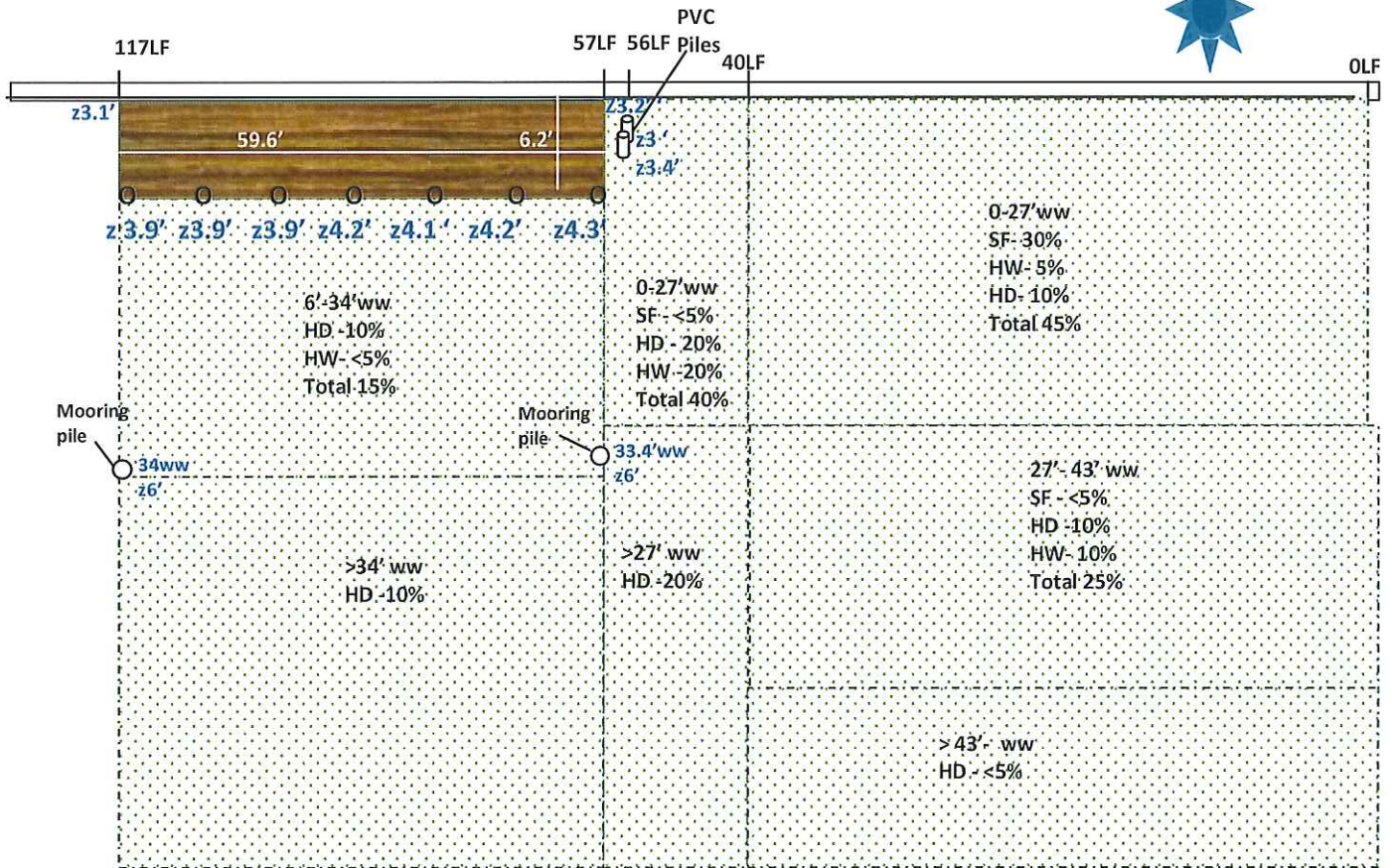
NOTES:

- Concrete seawall, t-piles and batter piles
- Riprap is at 320-361LF 0-7'ww.
- 2 PVC piles at 56LF 3' ww.
- Cleats at 45LF and 128LF.
- Waterward distances taken from seawall cap.
- Evidence of prop dredging in slip area.

RESOURCES:

- Acetabularia sp.*
- sponges
- Penicillus sp.*
- Halimeda sp.*
- Siderastrea sp.*
- Juvenile grunts
- Mangrove snapper
- Sargassum sp.*
- Udotea sp.*
- Halodule wrightii* (HW)
- Halophila decipiens* (HD)
- Syringodium filiforme* (SF)





TIME INSPECTED: 11:30 AM
INSPECTORS: J. HOGAN, S. SCHNEIDER

INSPECTORS: J. HOGAN, S. SCHNEIDER



LEGEND:

[illegible]

•	H	A	L	O	P	H	I	L	A	D	E	C	I	P	I	E	N	S	(H)	D	
•	H	A	L	O	D	U	L	E	W	R	I	G	H	T	I	I	(H)	W			
•	S	A	R	I	N	G	O	I	U	M	F	I	L	I	F	O	R	M	(S)	F	
•	T	H	A	L	A	S	S	I	A	T	E	S	T	I	D	I	N	U	M	(T)	H

CLT-2015-0133

CLI-2015-0133 Sunset Area

$$A = 36.7 - 33 = 3.7 \text{ wide (w)}$$

77' long (L)

$$77' L \times 3.7' W = 284.9 \text{ } \phi \text{ 10' HD in 12/2012}$$

$$B = 26' L \times 17' W = 442 \text{ } \phi \approx 40' \text{ HD/SF/HW in 12/2012}$$

$$D = 13' L \times 16.1' W = 209.3 \text{ } \phi$$

$$E = 60' L \times 16.1' W = 966 \text{ } \phi$$

[* 209.3 ϕ veg Bottom
966 ϕ un-veg Bottom]

Total Dredged Bottom (Between 45-118LF)

$$173' L \times 16.1' W = 1175.3 \text{ } \phi$$

$\approx 2' \text{ deeper}$

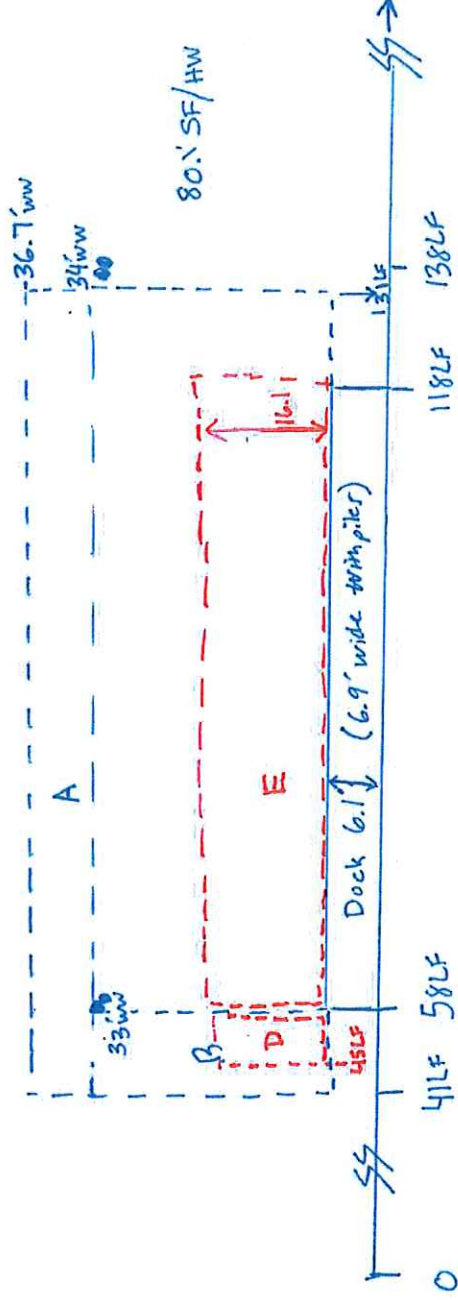
Outside of permitted slip

* Seagrass impacts (excluding Dredging)

$$B-D = 442 - 209.3 = 232.7 \text{ } \phi \text{ 40' Coverage}$$

$$A = 284.9 \text{ } \phi \text{ 10' coverage}$$

$$\text{Total: } 517.6 \text{ } \phi$$



* A-E: No seagrass documented during 5/2015 inspection

* Seagrass densities from initial biological assessment - 12/2012

* Scour impacts from 9/2015




Alter Ego



80' (24.38m) FERRETTI

LOA:	80' 0" (24.38m)	Year:	Mfg-2011 Model-2012
Beam:	20' 7" (6.27m)	Builder:	FERRETTI
Min Draft:		Type:	Motor Yacht
Max Draft:	Max 6' 2" (1.88m)	Price:	\$3,185,000 USD
Speed:	Cruising 27 knots Max 31 knots	Location:	Pompano, Florida, United States

Proud Member of 

MacGregor Yachts Inc.
2352 PGA Blvd.
Palm Beach Gardens, Florida 33410
United States


561-799-6511
www.MacGregorYachts.com

Alter Ego

Page 1 of 29

Additional Specifications For Alter Ego:

LOA:	80' 0" (24.38m)	Year:	Mfg-2011 Model-2012
Beam:	20' 7" (6.27m)	Builder:	FERRETTI
Min Draft:		Model:	
Max Draft:	6' 2" (1.88m)	Type:	Motor Yacht
Hull Material:	Fiberglass	Top:	Hardtop
Hull Config:		Speed:	Cruising 27 knots Max 31 knots
Hull Designer:		Engines:	1948 HP, Twin, 12V 2000, MTU 1750hrs / 1750hrs
Deck Material:		Staterooms:	4
Tonnage:		Sleeps:	
Range:		Heads:	5
Int Designer:		Crew	2
Ext Designer:		Quarters:	
Fuel Capacity:	1,783 g (6,749 l)	Crew Berths:	2
Water Capacity:	349 g (1,321 l)	Captain Cabin:	Yes
Holding Tank:		Classifications:	
Flag:	BVI	MCA:	None
Location:	Pompano, Florida United States	ISM:	None

Proud Member of 

MacGregor Yachts Inc.
2352 PGA Blvd.
Palm Beach Gardens, Florida 33410
United States

561-799-6511
www.MacGregorYachts.com

Alter Ego

Page 2 of 29

2015 Nautique Ski Nautique 200 Open Bow



Lemon Tree
 2849 State Route 30
 Speculator, New York 12164
 518-548-6231
 lemontreesports.com

CUSTOMER _____
 DATE _____
 PRICE _____
 SALESPERSON _____
 SIGNATURE _____

Comments

2015 Nautique Ski Nautique 200 Open Bow

The Ski Nautique 200 – Open Bow is the only boat in the industry that gratifies both the renowned world record holder and the weekend water-ski enthusiast on the lake with a group of friends. Identical in weight and wake to our closed bow, this hull performs all 3-events world record flawlessly. If your ride takes place inside the boat, there is an amazing feeling of endless space. The Ski Nautique 200 – Open Bow has a place for everything – and puts everything in its right place. So, whether your ride consists of a sweet 38-off pass or a view of all the action, it will just take one ride to fall in love.

GENERAL INFORMATION

Manufacturer	Nautique
Model Year	2015
Model Name	Ski Nautique 200 Open Bow
Model Code	SKINAUTIQUE200OPENBOW2015
Color	
Engine Size	0
MSRP	

SPECIFICATIONS

HULL

Hull Shape	Modified Vee
Hull Material	Fiberglass

MEASUREMENTS

Length	21 Feet 10 Inches
Beam	7 Feet 11 Inches
Max Draft	1 Feet 10 Inches
Length Overall	20 Feet
Dry Weight	2850 pound
Maximum Load Capacity	1450 pound

OTHER

Primary Boat Class	Ski/Wakeboard Boats
--------------------	---------------------

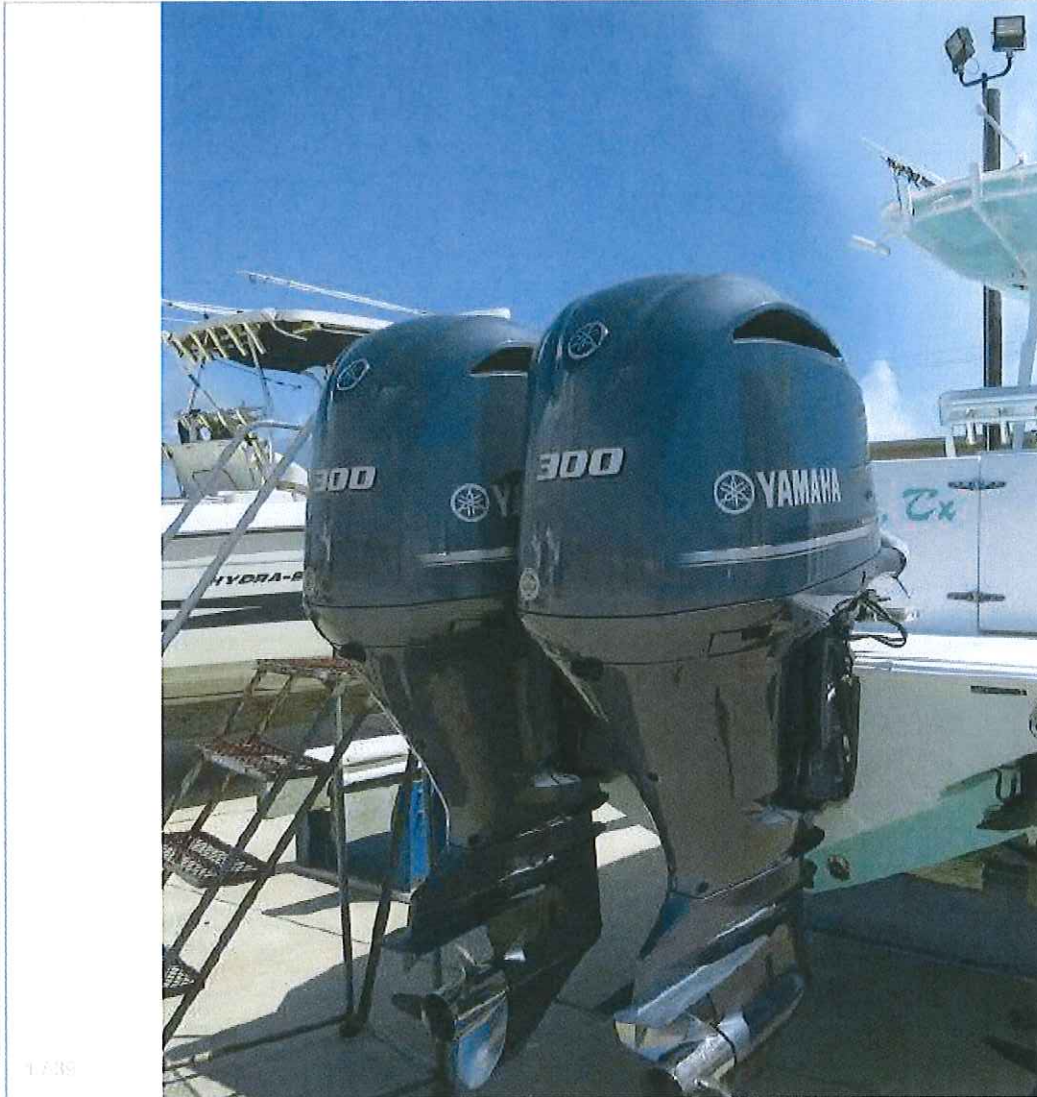
TANKS

Fuel Tank Capacity	27 gallon
--------------------	-----------

Legal Notice: Manufacturer Name, Logo and Model Information are Registered Trademarks of the Manufacturer. Specifications and other information are subject to change without notice. No representation of accuracy is made. Image is believed to be in the public domain or used with permission.



2015 Contender 30 ST

[Like 0](#)[Tweet](#)[G+1 0](#)[Share 49](#)[Get a Boat History Report](#)[Send Email](#)[Call Now](#)

[Description](#)[View Full Specifications](#)

Additional Specs, Equipment and Information:

Specs

Hull Shape: Deep Vee

Dimensions

LOA: 30 ft 0 in

Beam: 9 ft 6 in

Minimum Draft: 1 ft 7 in

Maximum Draft: 2 ft 10 in

Deadrise: 25 ° at Transom

Dry Weight: 5450 lbs

Engines

Total Power: 600 HP

Engine 1:

Engine Brand: Yamaha

Year Built: 2015

Engine Model: F300 Four Stroke

Engine Type: Outboard 4S

Engine/Fuel Type: Gas/Petrol

Location: Starboard

Engine Hours: 78

Propeller: 3 blade propeller



Engine 2:

Engine Brand: Yamaha

Year Built: 2015

Engine Model: F300 Four Stroke

Engine Type: Outboard 4S

Engine/Fuel Type: Gas/Petrol

Location: Port

Engine Hours: 78

Propeller: 3 blade propeller

Engine Power: 300 HP

Cruising Speed: 45 mph

Maximum Speed: 68 mph

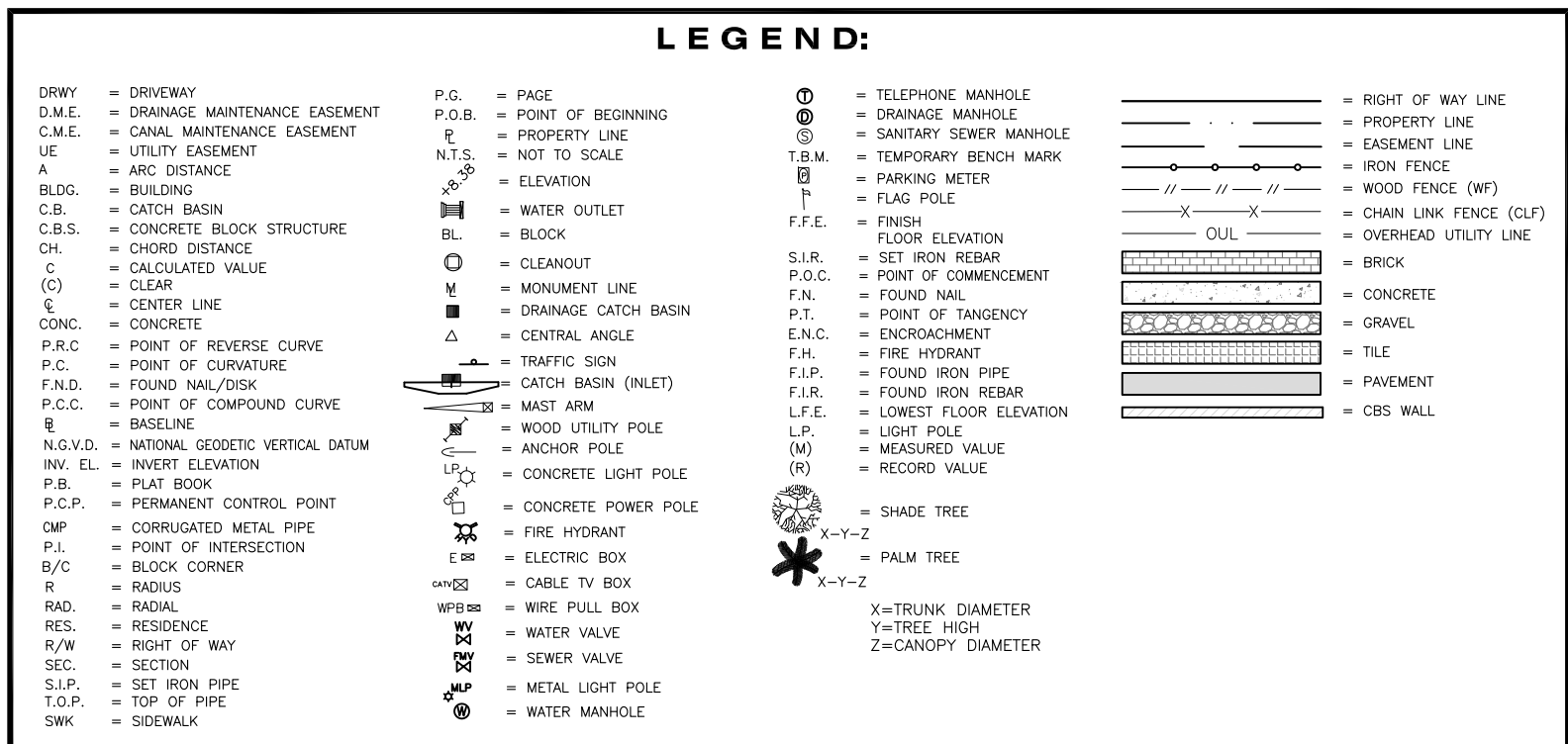
Tanks

Fuel Tanks: (265 Gallons)

1736 W 28th St



LOTS 3, 4, AND 5, BLOCK 1H OF "3RD REVISED PLAT OF SUNSET ISLANDS", RECORDED IN PLAT BOOK 40, PAGE 8, MIAMI-DADE COUNTY RECORDS,
LYING IN SECTION 28, TOWNSHIP 53 SOUTH, RANGE 42 EAST, CITY OF MIAMI BEACH, MIAMI-DADE COUNTY, FLORIDA



Folio No.: 02-3228-001-0470

Legal Description was furnished by client.

NOTICE: Not valid without the signature and original raised seal of a Florida Licensed Surveyor and Mapper. Additions or deletions to Survey Maps by other than the signing party are prohibited without the written consent of the signing party.

SKETCH OF SPECIFIC PURPOSE OF: **1736 W. 28th STREET, MIAMI BEACH, FL.**
1801 W. 27th STREET, MIAMI BEACH, FL.

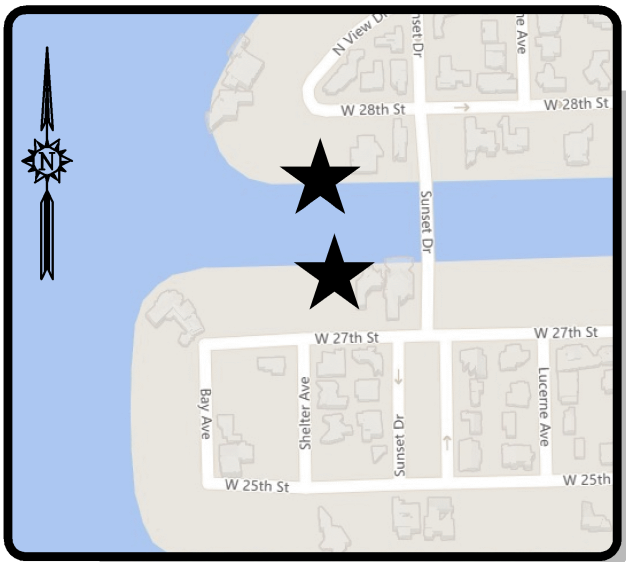


VIEW 1
NOT TO SCALE

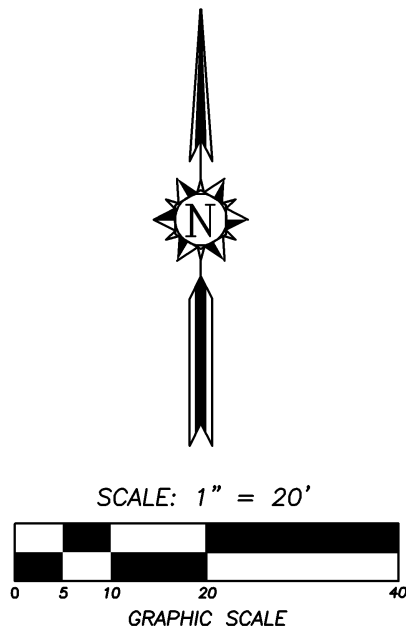
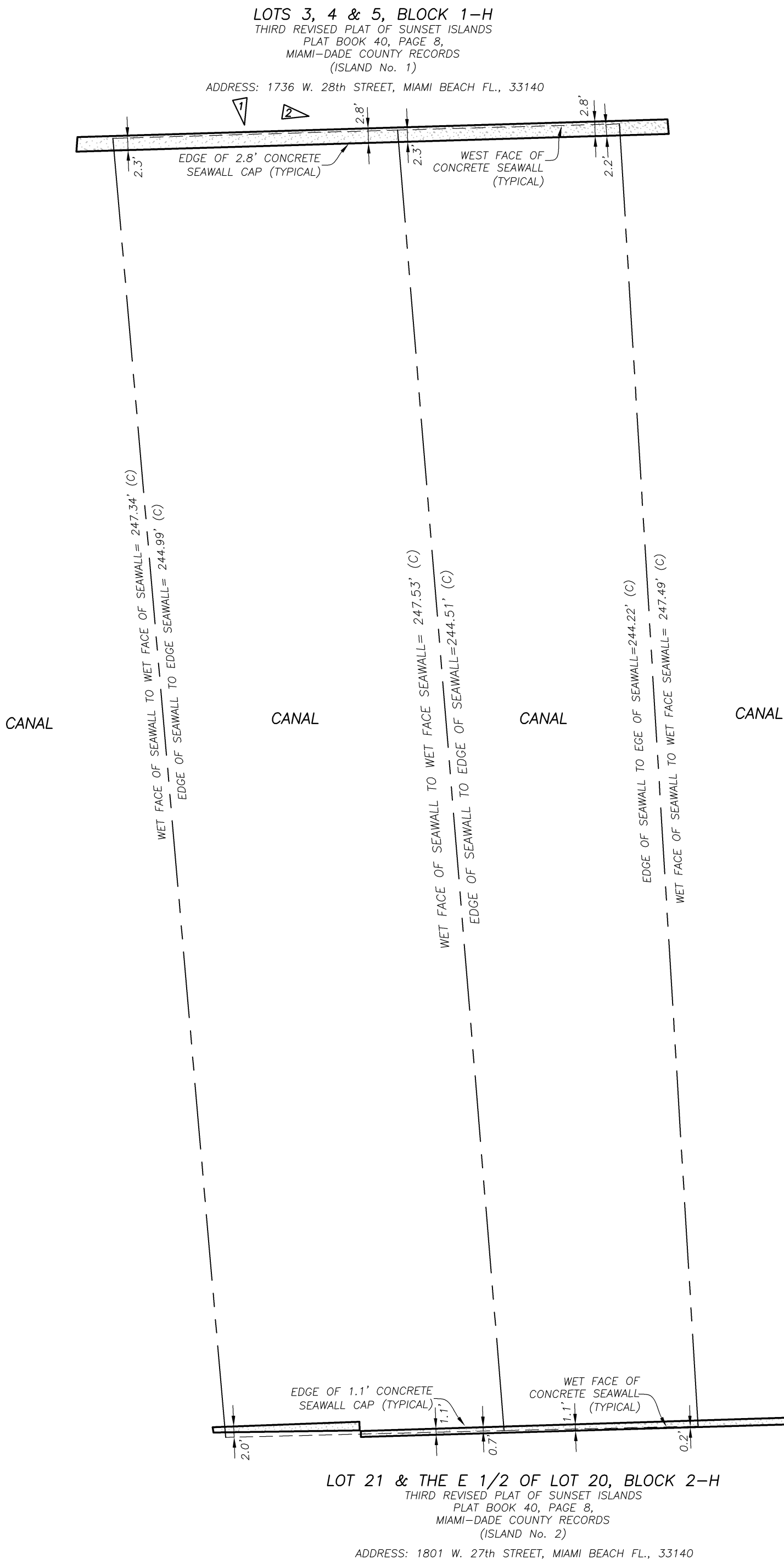


VIEW 2
NOT TO SCALE

LEGEND:
M.D.C.R. MIAMI-DADE COUNTY RECORDS
11 VIEW 1



LOCATION MAP
NOT TO SCALE



SURVEY NOTES:

1. THIS SURVEY REPRESENTS A SPECIFIC PIURPOSE SURVEY AS DEFINED BY STANDARDS OF PRACTICE FOR SURVEYING AND MAPPING, CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODES. THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER. THE APPROXIMATE BOUNDARY LINES SHOWN HEREON ARE FOR INFORMATIONAL PURPOSES ONLY. THIS IS NOT A BOUNDARY SURVEY.
2. EXACTA COMMERCIAL SURVEYORS, INC., DID NOT SEARCH THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA FOR OWNERSHIP, RIGHTS-OF-WAY, EASEMENTS OR OTHER MATTERS AFFECTING THE PROPERTY BEING SURVEYED. THERE MAY BE ADDITIONAL RESTRICTIONS NOT SHOWN ON THIS SURVEY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA.
3. THE INFORMATION CONTAINED IN THIS DOCUMENT WAS PREPARED BY EXACTA COMMERCIAL SURVEYORS, INC. EXACTA HAS TAKEN ALL REASONABLE STEPS TO ENSURE THE ACCURACY OF THIS DOCUMENT. WE CANNOT GUARANTEE THAT ALTERATIONS AND/OR MODIFICATIONS WILL NOT BE MADE BY OTHERS AFTER IT LEAVES OUR POSSESSION. THIS DOCUMENT MUST BE COMPARED TO THE ORIGINAL HARD COPY (WHICH BEARS THE RAISED SURVEYOR'S CERTIFICATION SEAL IF APPLICABLE) TO ENSURE THE ACCURACY OF THE INFORMATION CONTAINED HEREON AND TO FURTHER ENSURE THAT ALTERATIONS AND/OR MODIFICATIONS HAVE NOT BEEN MADE. EXACTA MAKES NO WARRANTIES, EXPRESS OR IMPLIED, CONCERNING THE ACCURACY OF THE INFORMATION CONTAINED IN THIS OR ANY DOCUMENT TRANSMITTED OR REVIEWED BY COMPUTER OR OTHER ELECTRONIC MEANS. CONTACT EXACTA DIRECTLY FOR VERIFICATION OF ACCURACY.
4. THE INFORMATION DEPICTED ON THIS SURVEY REPRESENTS THE RESULTS OF A FIELD SURVEY ON THE DATE INDICATED AND CAN ONLY BE CONSIDERED AS A REPRESENTATION OF THE GENERAL CONDITIONS EXISTING AT THAT TIME.
5. ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES ARE PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.

THIS SURVEY IS CERTIFIED TO:
OCEAN CONSULTING, LLC.

CERTIFICATE:

THIS IS TO CERTIFY THAT THIS SPECIFIC PURPOSE SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND IS ACCURATE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

JAVIER DE LA ROCHA
PROFESSIONAL SURVEYOR AND MAPPER NO. 6080
STATE OF FLORIDA

EXACTA COMMERCIAL SURVEYORS, INC. L.B. 7551
javier@exactacomm.com

TELEPHONE NO. 561-314-0769 FAX NO. 561-314-0770



L.B. 7551

3460 FAIRLANE FARMS ROAD, SUITE 6, WELLINGTON, FL. 33414

SEAL
NOT VALID UNLESS
SEALED HERE
WITH
AN EMBOSSED
SURVEYOR'S SEAL

SKETCH OF SPECIFIC PURPOSE SURVEY

OCEAN CONSULTING,
CLIENT: LLC.

DATE 04/14/17

DRWN BY J.E.C.

CHK'D BY JDLR

LAST FIELD DATE: 04/11/17

REVISIONS

JOB NO.

ECS1049

SHEET NO.

01

OF

01