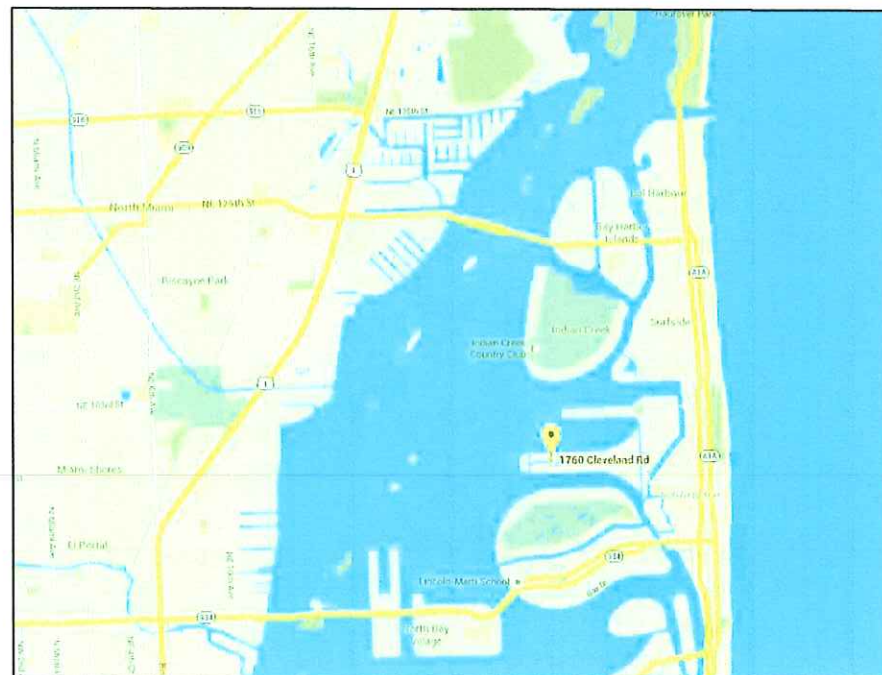




## LOCATION MAP AND LEGAL DESCRIPTION



PROJECT SITE LOCATION:  
1760 Cleveland Rd  
Miami Beach, FL 33141

LATITUDE: 25°41'0.35"N  
LONGITUDE: 80°10'23.70"W

FOLIO No.: 02-3203-001-0780

LEGAL DESCRIPTION:

3 53 42

BISCAYNE POINT PB 14-35

LOT 14 BLK 5

LOT SIZE 60.000 X 150

OR 18677-2945 06 1999 1

### REVISION 1

#### 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, 2017 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 FT 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.

## 1760 CLEVELAND RD BOATLIFT PROJECT

Miami Beach, Florida

#### CLIENT:

**Mr. & Mrs. Shapiro**

1760 Cleveland Road  
Miami Beach, FL 33141

#### 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  
Office - 954-545-1740  
Fax - 954-545-1721

#### SEAL / SIGNATURE / DATE



John Omslaet  
PE 52733, CA 26829

#### REVISION 1

Issue # Issue Date

① October 2, 2018

PROJECT: 16-5750

PROJECT LOCATION &  
NOTES

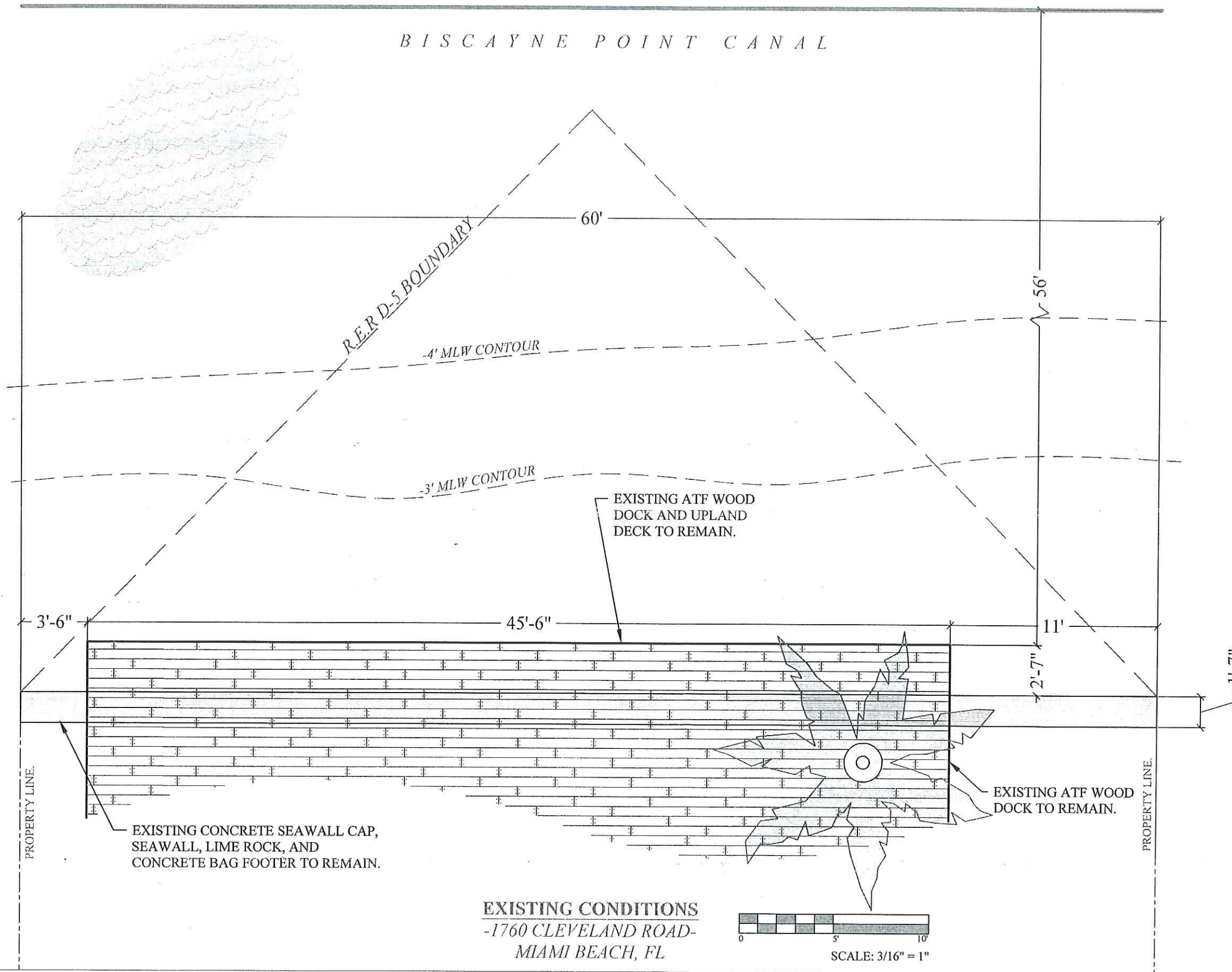
SCALE : AS SHOWN  
SHEET NO.

# S-1



OPPOSING SHORELINE

BISCAYNE POINT CANAL



**1760 CLEVELAND RD  
BOATLIFT  
PROJECT**  
Miami Beach, Florida

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ENVIRONMENTAL CONSULTANT:

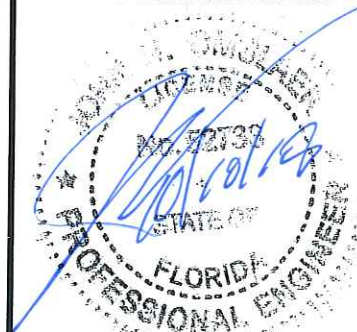
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John Omslaer  
PE 52733, CA 26829

**REVISION 1**

Issue #	Issue Date
①	October 2, 2018

PROJECT: 16-5750

EXISTING CONDITIONS

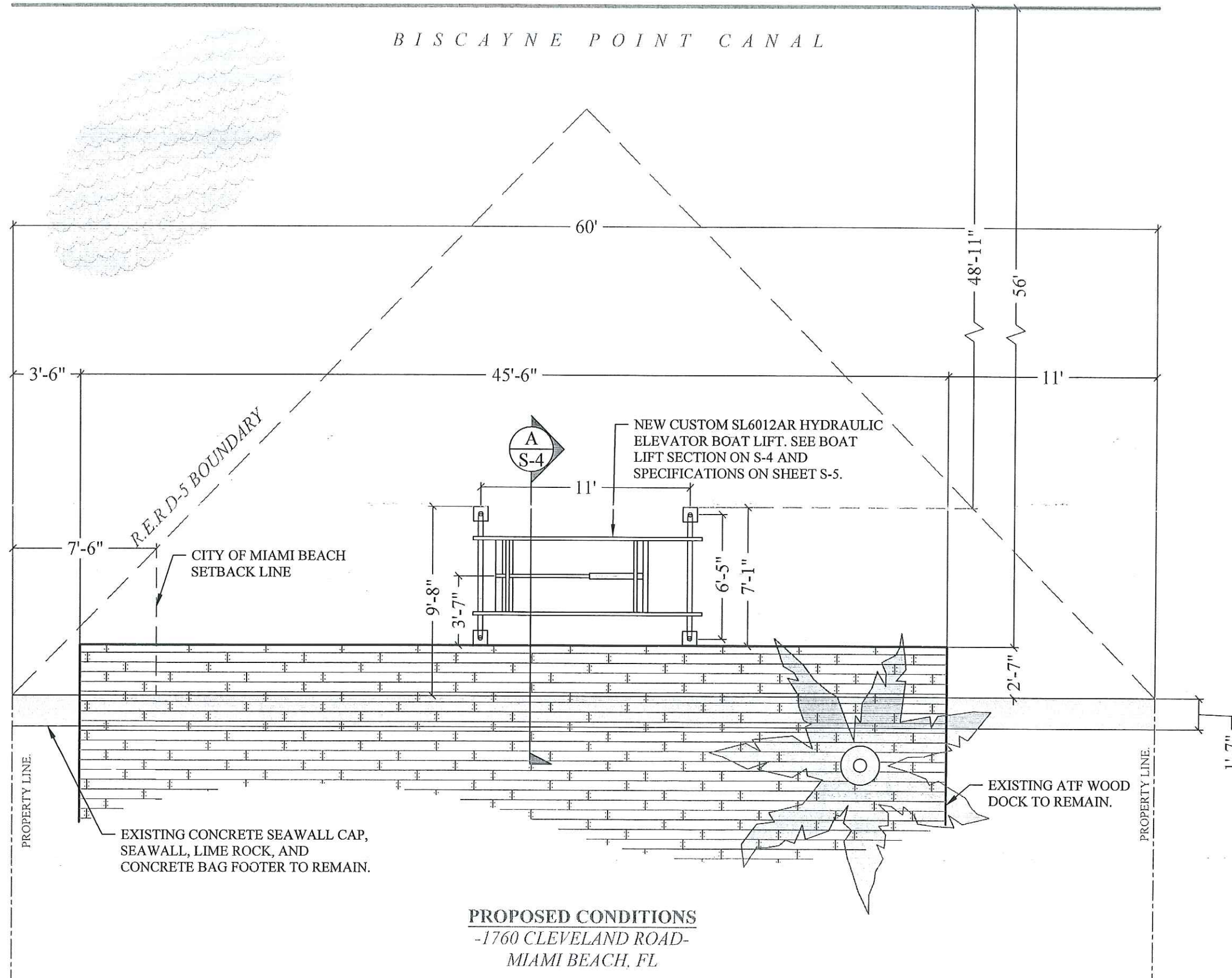
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**S-2**



O P P O S I N G   S H O R E L I N E

B I S C A Y N E   P O I N T   C A N A L



**1760 CLEVELAND RD  
BOATLIFT  
PROJECT**

Miami Beach, Florida

CLIENT:

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**REVISION 1**

**Issue # Issue Date**

① October 2, 2018

PROJECT: 16-5750

**PROPOSED CONDITIONS**

SCALE : AS SHOWN  
SHEET NO.

**S-3**



NOTE: BATTERY OPERATED DC SYSTEM NO AC  
ELECTRICAL CONNECTIONS REQUIRED

NEW CUSTOM SL6012AR HYDRAULIC  
ELEVATOR BOAT LIFT TO BE INSTALLED PER  
MANUFACTURER RECOMMENDATIONS. SEE  
BOAT LIFT SPECIFICATIONS ON SHEET S-5.

TOP OF DOCK  
EL. +4.50' NGVD  
(+2.94' NAVD)

MHW LINE  
EL. +1.70' NGVD

MLW LINE  
EL. -0.50' NGVD

PROPERTY LINE

9'-8"  
MAX

7'-1"

2'-7"

1'-6"

3'-7"

6'-5"

EXISTING ATF WOOD DOCK AND  
OVER-LAND DECK TO REMAIN

2'-2"

EXISTING CONCRETE  
FOOTER TO REMAIN.

EXISTING CONCRETE  
FOOTER TO REMAIN.

BOAT LIFT SECTION

SCALE: 1/2" = 1'-0"

A

S-4

# 1760 CLEVELAND RD BOATLIFT PROJECT

Miami Beach, Florida

CLIENT:

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Office - 954-545-1740  
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SEAL / SIGNATURE / DATE

*John Omislaer*  
STAT  
FLORIDA  
PROFESSIONAL ENGINEER  
John Omislaer  
PE 52733, CA 26829

## REVISION 1

Issue # Issue Date

① October 2, 2018

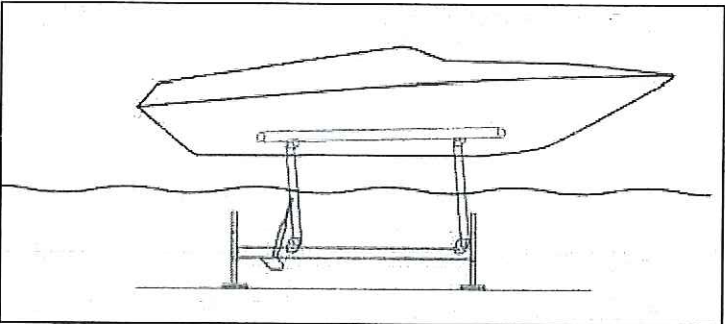
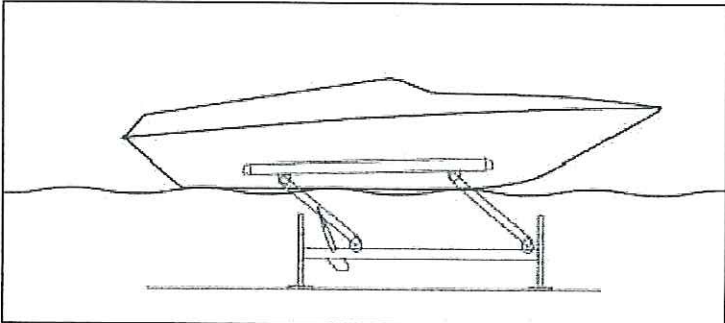
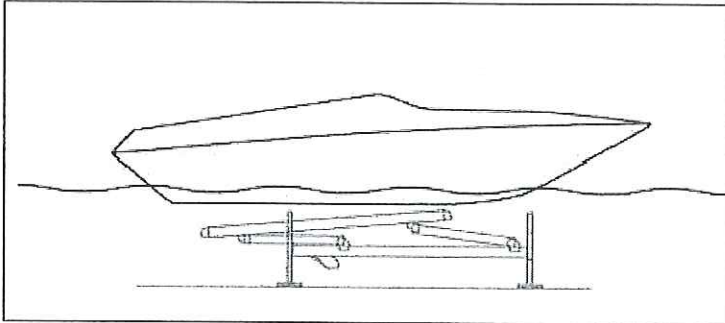
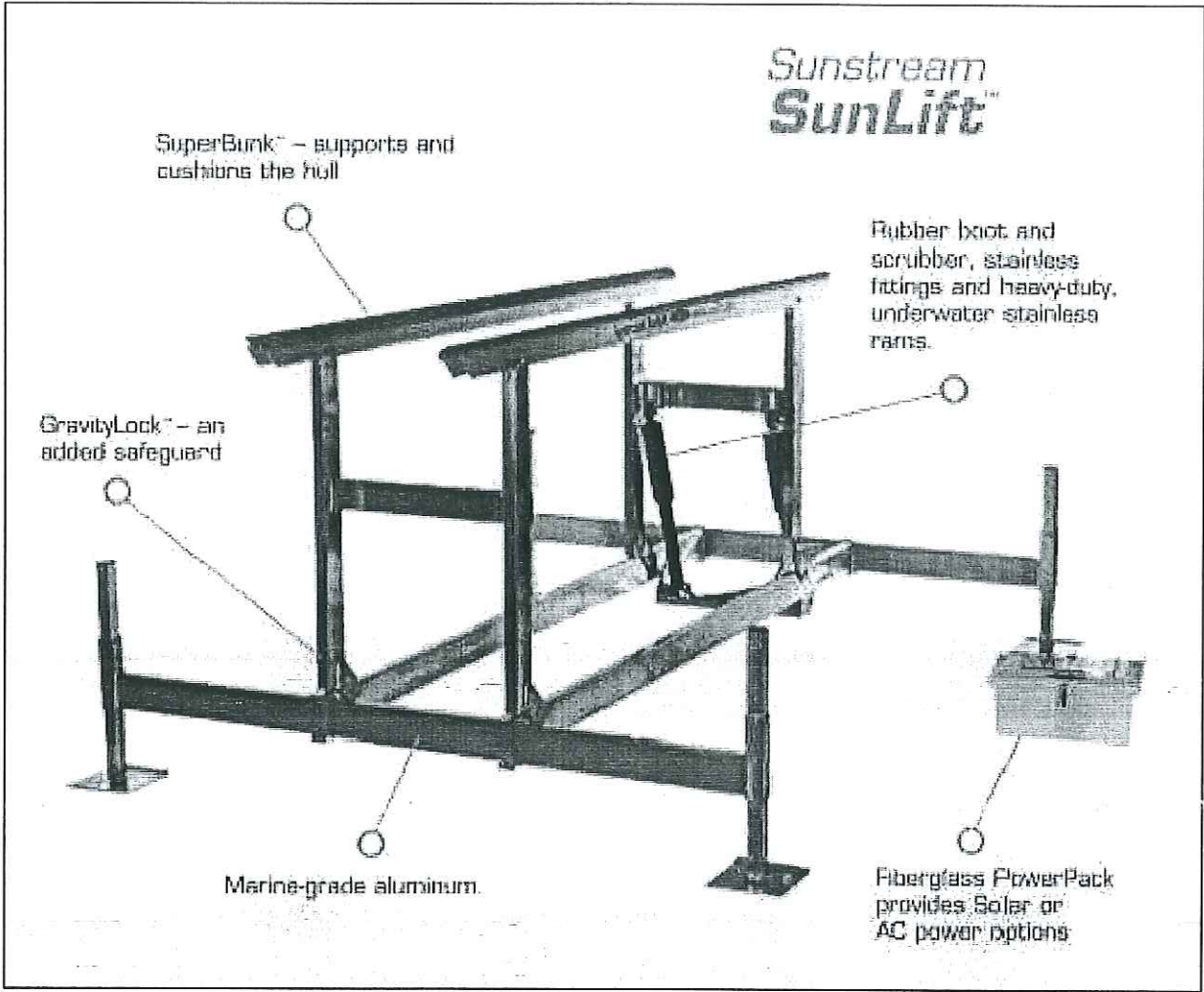
PROJECT: 16-5750

PROPOSED BOAT LIFT  
SECTION

SCALE : AS SHOWN  
SHEET NO.

S-4





**Sunstream SunLift™**

SunLift Model	SL2006AR	SL2008AR	SL3010	SL4010AR	SL6012AR	SL8012ER	SL10014ER	SL12018ER	SL18020ER	SL24022ER
Capacity (pounds)	2,000	2,000	3,000	4,000	6,000	8,000	10,000	12,000	18,000	24,000
Lifting Ranges*	36"/48"/60"	36"/48"/60"	48"	36"/48"/60"/(72"*)	36"/48"/60"/(72"*)	60"/(72"*)	60"/(72"*)	60"/(72"*)	60"/(72"*)	60"/(72"*)
Capacity at Max. Lifting Range	1,800	1,800	3,000	4,000	4,500	8,000	9,500	9,500	14,250	19,000
Bunk Length	6'	8'	10'	10'	11'	12'	14'	18'	20'	22'
Frame Length	95"	95"	10'5"	10'5"	12'5"	12'5"	14'5"	18'5"	20'5"	24'
Frame Width	5'6"	5'6"	9'6"	9'6"	6'5"	11'	11'	11'	12'6"	12'6"
Weight (pounds)	200	210	450	550	655	1,000	1,050	1,500	2,000	2,500
Lifting Speed (Typ.)	15 sec	15 sec	15 sec	25 sec	35 sec	50 sec	50 sec	50 sec	55 sec	60 sec
Min. Water Depth Required (Typ.)	18"	18"	23"	25"	27"	36"	40"	44"	50"	62"
Min. Depth w/Shallow Water Roller (Typ.)	N/A	N/A	N/A	16"	17"	30"	34"	38"	N/A	N/A
Remote Control	Opt.	Opt.	Opt.	Std.	Std.	Std.	Std.	Std.	Std.	Std.
Leg Lengths Available	2'-12'	2'-12'	2'-16'	2'-16'	2'-16'	2'-16'	2'-16'	2'-16'	2'-16'	2'-16'

\*Some lifting ranges require optional leg extensions. Standard ranges are shown with underline (example: 36").

\*\* Special Order Model XR 72" Range.

**1760 CLEVELAND RD  
BOATLIFT  
PROJECT**

Miami Beach, Florida

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PROJECT: 16-5750

**HYDRAULIC BOAT LIFT  
SPECIFICATIONS AND  
DIAGRAM**

SCALE: AS SHOWN

SHEET NO.

**S-5**