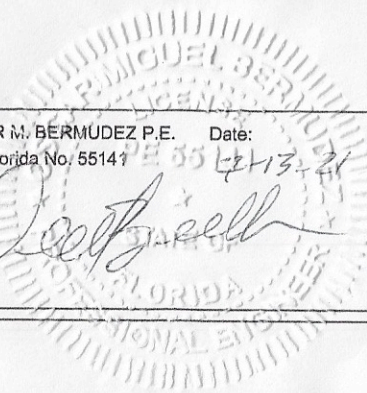


LOCATION  
N.T.S.

Site Address 2700 NE 12 STREET, POMPANO BEACH FL 33062  
 Property Owner RUSHTON, DANIEL & BRITTANY  
 Mailing Address 2700 NE 12 ST POMPANO BEACH FL 33062  
 ID # 4843 31 33 0450  
 Abbreviated Legal Description HARBOR VILLAGE SEC I 46-8 B LOT 31 BLK 22

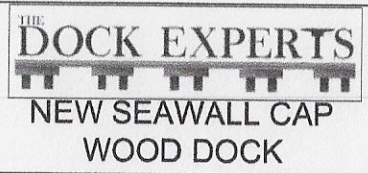
OSCAR M. BERMUDEZ P.E. Date: 6/18/21  
 Reg. Florida No. 55147  
*Oscar M. Bermudez*



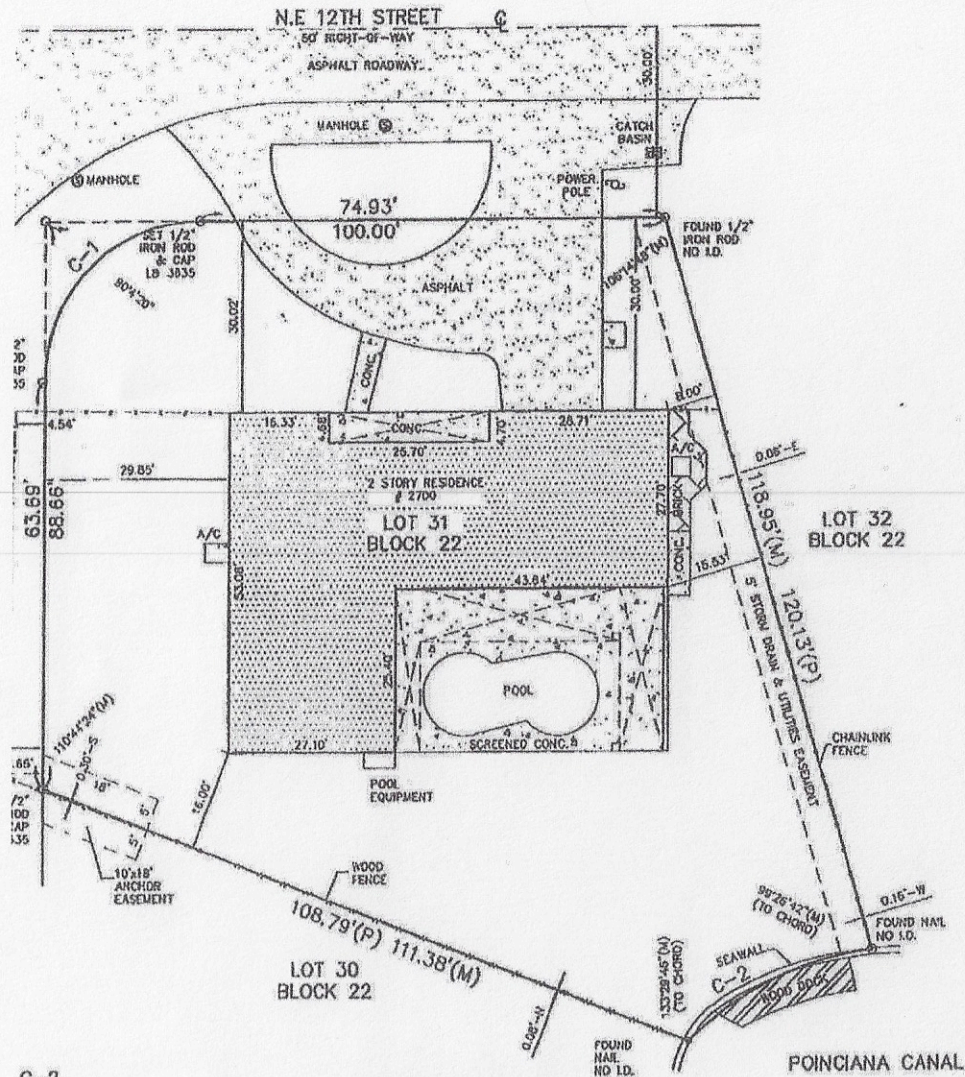
B&B Consulting Engineers  
 2237 Woods Edge Circle  
 Orlando Florida 32817  
 (772) 828-2263 (772) 708-7785

DANIEL RUSHTON  
 2700 NE 12 STREET,  
 POMPANO BEACH FL  
 33062

PAGE	Date:
1 OF 6	06/18/2021
Revisions:	Date:
A	7/12/2021







# SITE PLAN

SCALE 1"=30'

OSCAR M. BERMUDEZ P.E. Date: 7-13-21  
Reg. Florida No. 55141

*Oscar Bermudez*

THE WORK SPECIFIED HEREIN HAS BEEN DESIGNED & ALL WORK SHALL BE IN ACCORDANCE WITH STRUCTURAL PROVISIONS OF THE 7th EDITION 2020 FLORIDA BUILDING CODE. BEST MANAGEMENT PRACTICES: FLOATING TURBIDITY CURTAIN EXTENDING WITHIN 1' OF BOTTOM TO BE INSTALLED DURING PILING INSTALLATION.

B&B Consulting Engineers  
2237 Woods Edge Circle  
Orlando Florida 32817  
(772) 828-2263 (772) 708-7785

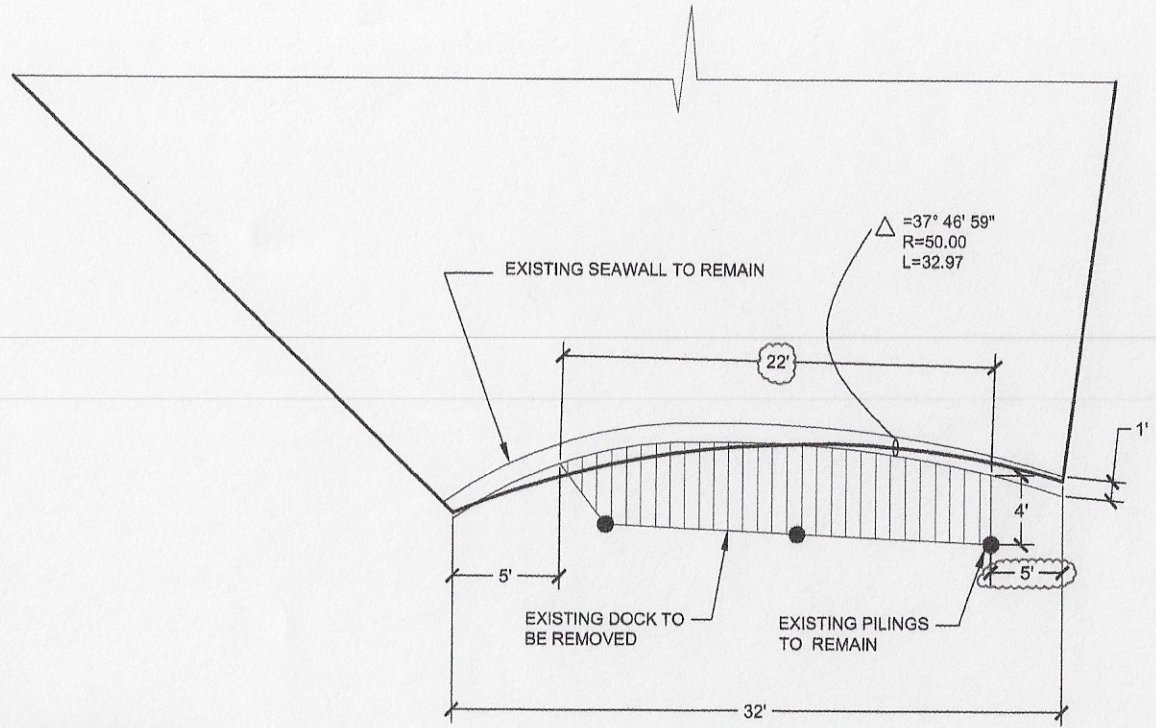
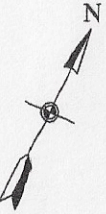
DANIEL RUSHTON  
2700 NE 12 STREET,  
POMPANO BEACH FL  
33062

PAGE	Date:
2 OF 6	06/18/2021
Revisions:	Date:
A	7/12/2021

**THE DOCK EXPERTS**

**NEW SEAWALL CAP  
WOOD DOCK**





**DESIGN WINDLOAD INFORMATION**  
 CODE: FBCR 2020 7th  
 ASCE 7-16  
 Wind Speed: 175 MPH, 3 Second Gust  
 Exposure "D"  
 Importance Factor: 1.0  
 Internal Pressure Coeff.: 0.00  
 Height: 6ft. Mean

**POINCIANA CANAL  
 115' CANAL RIGHT-OF-WAY  
 EXISTING SITE CONDITIONS**

SCALE 1"=10"

THE WORK SPECIFIED HEREIN HAS BEEN DESIGNED & ALL WORK SHALL BE IN ACCORDANCE WITH STRUCTURAL PROVISIONS OF THE 7th EDITION 2020 FLORIDA BUILDING CODE. BEST MANAGEMENT PRACTICES: FLOATING TURBIDITY CURTAIN EXTENDING WITHIN 1' OF BOTTOM TO BE INSTALLED DURING PILING INSTALLATION.

OSCAR M. BERMUDEZ P.E. Date: 7-13-21  
 Reg. Florida No. 55141

B&B Consulting Engineers  
 2237 Woods Edge Circle  
 Orlando Florida 32817  
 (772) 828-2263 (772) 708-7785

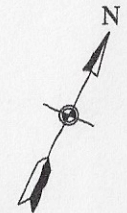
DANIEL RUSHTON  
 2700 NE 12 STREET,  
 POMPANO BEACH FL

33062

PAGE	Date:
3 OF 6	06/18/2021
Revisions:	Date:
A	7/12/2021

**THE DOCK EXPERTS**  
  
 NEW SEAWALL CAP  
 WOOD DOCK





**NOTES**

1. ALL STORMWATER SHALL BE RETAINED ON PROPERTY.
2. DESIGN PER 7th ED 2020 FBCR. WIND LOADS PER ASCE 7-16, 175 MPH.
3. PROPOSED WORK DOES NOT CHANGE IMPERVIOUS AREA
4. ALL PROPOSED PILES SHALL BE CLASS "A" TIMBER PILES WITH AMMONIACAL COPPER ZINC ARSENATE TREATMENT.
5. PILES SHALL BE DRIVEN 10' DEPTH BELOW SEABED AND 25 TON BEARING.
6. ALL FASTENERS SHALL BE 300 SERIES STAINLESS STEEL.
7. BEST MANAGEMENT PRACTICES: FLOATING TURBIDITY CURTAIN EXTENDING WITHIN 1' OF BOTTOM TO BE INSTALLED DURING PILING INSTALLATION.

(4) PRECAST 12"SQ. CONCRETE BATTER PILES W/ 5,000 PSI MIN. CONCRETE & 4-7/16" DIAMETER 270 KSI ASTM A416 LOW-LAX STRANDS W/ 2 1/2" MIN. CONCRETE COVER TO TIES. PILES TO BE DRIVEN TO A MINIMUM PENETRATION OF 12' INTO FIRM MATERIAL OR REFUSAL. PILES TO BE DRIVEN TO A BEARING CAPACITY OF 25 TONS. EXTEND BATTER PILES STRANDS 16" MIN. INTO NEW SEAWALL CAP.

5/4"x6" WEARDECK (HPDE) DECKING FASTENED TO STRINGERS W/2 #10x 3/2" SS CAMO SCREWS @ EA. SUPPORT. DECKING TO BE FLUSH WITH SEAWALL CAP

**DESIGN WINDLOAD INFORMATION**

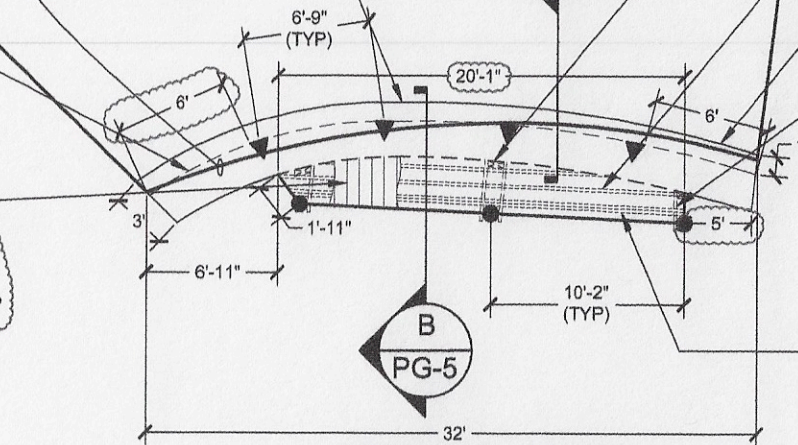
CODE: FBCR 2020 7th  
 ASCE 7-16  
 Wind Speed: 175 MPH, 3 Second Gust  
 Exposure "D"  
 Importance Factor: 1.0  
 Internal Pressure Coeff.:0.00  
 Height:6ft. Mean

EXISTING SEAWALL TO REMAIN

$$\Delta = 37^\circ 46' 59''$$

$$R = 50.00$$

$$L = 32.97$$



P.T. 4"x10"x18" LONG HANGER TYP. U.O.N. FASTENED TO SEAWALL CAP W/(2) 3/4" S.S. WEDGE ANCHORS BOLTS BY SIMPSON OE EQUAL INTO CAP. TYP. U.O.N.

P.T. 2"x8" STRINGERS @16" C/C. (MAX) TOE NAIL INSIDE STRINGERS TO HEADERS (TYP.)

EXISTING SEAWALL TO REMAIN. OVER POUR NEW 3' WIDE x 2' THICK x 32' LONG SEAWALL CAP 3/4" CHAMFER ALL EXPOSED EDGES. (TYP.)

P.T. 2"x8" HEADER EACH SIDE OF PILING

DOUBLE 2 x 8 STRINGER INSIDE SECURED BY 1/2" THROUGH BOLT @ EACH PILE LOCATION

**POINCIANA CANAL  
 115'± CANAL RIGHT-OF-WAY  
 PROPOSED PLAN VIEW**

SCALE 1"=10"

THE WORK SPECIFIED HEREIN HAS BEEN DESIGNED & ALL WORK SHALL BE IN ACCORDANCE WITH STRUCTURAL PROVISIONS OF THE 7th EDITION 2020 FLORIDA BUILDING CODE. BEST MANAGEMENT PRACTICES: FLOATING TURBIDITY CURTAIN EXTENDING WITHIN 1' OF BOTTOM TO BE INSTALLED DURING PILING INSTALLATION.

OSCAR M. BERMUDEZ P.E. Date: 7/13/21  
 Reg. Florida No. 55141

B&B Consulting Engineers  
 2237 Woods Edge Circle  
 Orlando Florida 32817  
 (772) 828-2263 (772) 708-7785

DANIEL RUSHTON  
 2700 NE 12 STREET,  
 POMPANO BEACH FL

33062

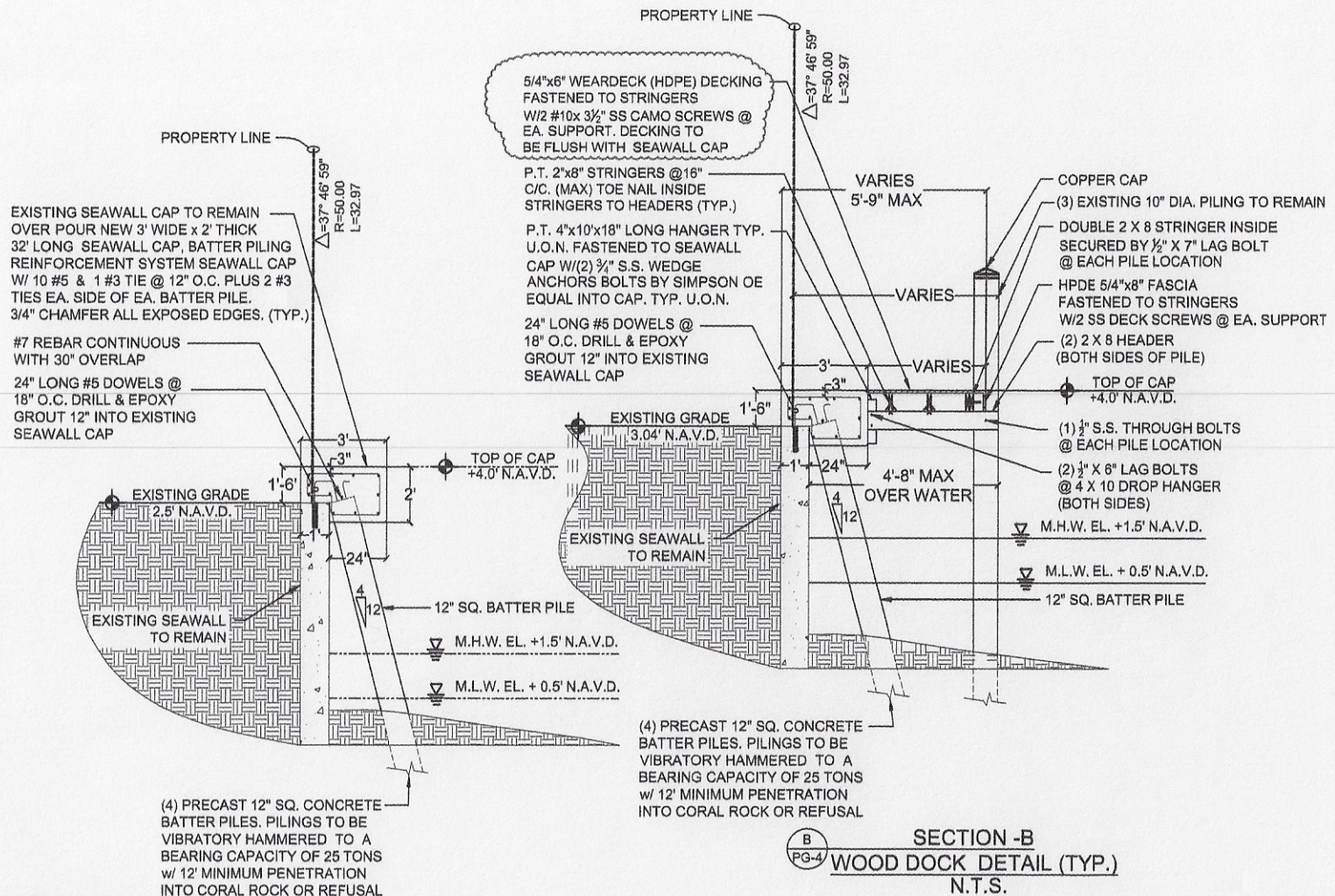
PAGE 4 OF 6 Date: 06/18/2021

Revisions: Date:

A	7/12/2021

**THE DOCK EXPERTS**  
  
**NEW SEAWALL CAP  
 WOOD DOCK**





A  
PG-4

B  
PG-4

OSCAR M. BERMUDEZ P.E. Date: 7-13-21  
Reg. Florida No. 55141

*Oscar Bermudez*

THE WORK SPECIFIED HEREIN HAS BEEN DESIGNED & ALL WORK SHALL BE IN ACCORDANCE WITH STRUCTURAL PROVISIONS OF THE 7th EDITION 2020 FLORIDA BUILDING CODE. BEST MANAGEMENT PRACTICES; FLOATING TURBIDITY CURTAIN EXTENDING WITHIN 1' OF BOTTOM TO BE INSTALLED DURING PILING INSTALLATION.

B&B Consulting Engineers  
2237 Woods Edge Circle  
Orlando Florida 32817  
(772) 828-2263 (772) 708-7785

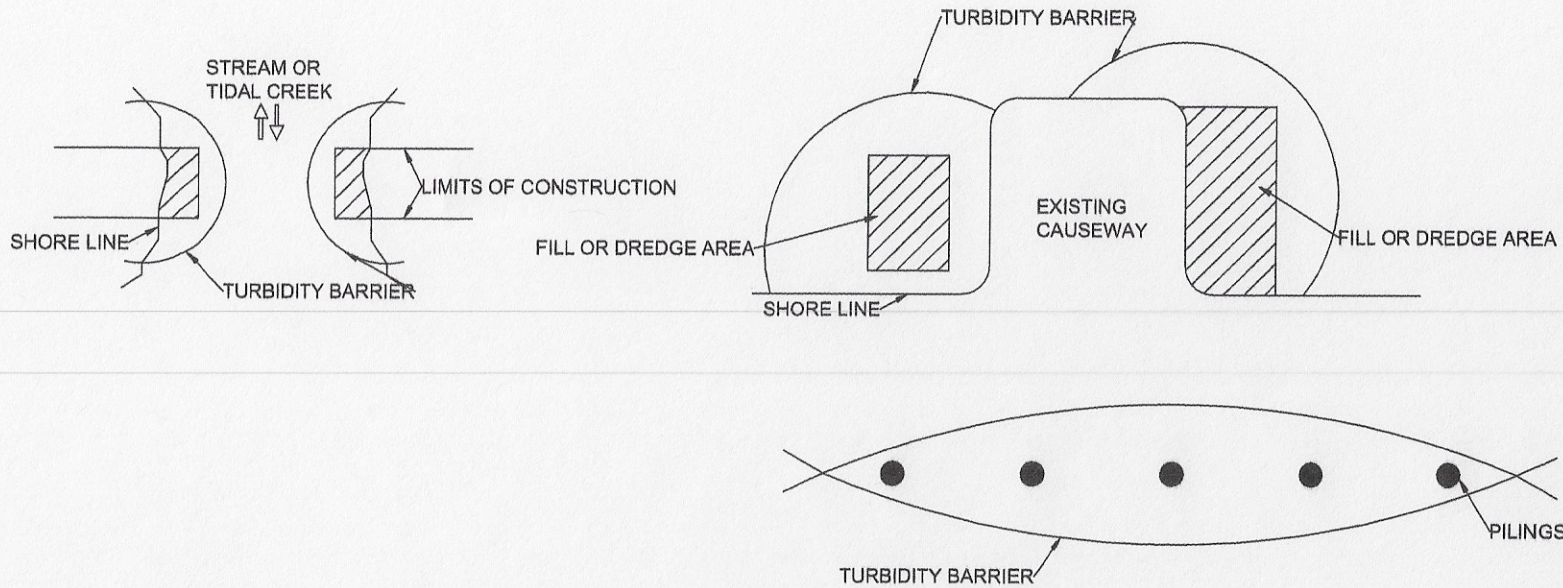
DANIEL RUSHTON  
2700 NE 12 STREET,  
POMPANO BEACH FL  
33062

PAGE	Date:
5 OF 6	06/18/2021
Revisions:	Date:
A	7/12/2021

**THE DOCK EXPERTS**

**NEW SEAWALL CAP WOOD DOCK**





**NOTES**

1. TURBIDITY BARRIERS ARE TO BE USED IN ALL PERMANENT BODIES OF WATER REGARDLESS OF WATER DEPTH
2. NUMBER AND SPACING DEPENDANT ON CURRENT VELOCITIES.
3. DEPLOYMENT OF BARRIER AROUND PILE LOCATION MAY VARY TO ACCOMMODATE CONSTRUCTION OPERATIONS.
4. NAVIGATION MAY REQUIRE SEGMENTING BARRIER DURING CONSTRUCTION OPERATIONS.
5. FOR ADDITIONAL INFORMATION SEE SECTION 104 OF THE STANDARD SPECIFICATIONS.
6. TURBIDITY BARRIERS FOR FLOWING STREAMS AND TIDAL CREEKS MAY BE EITHER FLOATING OR STAKED TYPES.
7. BARRIER TYPE WILL BE AT THE CONTRACTOR'S DECISION U.N.O.
8. POSTS IN STAKED TURBIDITY BARRIERS TO BE INSTALLED IN VERTICAL POSITION UNLESS OTHERWISE DIRECTED BY ENGINEER.
9. N.P.D.E.S. INSPECTION TO BE CALLED FOR BY ENGINEER TO VERIFY TURBIDITY BARRIER.

OSCAR M. BERMUDEZ P.E. Date: 7-13-21  
 Reg. Florida No. 55141

*Oscar Bermudez*

THE WORK SPECIFIED HEREIN HAS BEEN DESIGNED & ALL WORK SHALL BE IN ACCORDANCE WITH STRUCTURAL PROVISIONS OF THE 7 EDITION 2020 FLORIDA BUILDING CODE. BEST MANAGEMENT PRACTICES: FLOATING TURBIDITY CURTAIN EXTENDING WITHIN 1' OF BOTTOM TO BE INSTALLED DURING PILING INSTALLATION.

B&B Consulting Engineers  
 2237 Woods Edge Circle  
 Orlando Florida 32817  
 (772) 828-2263 (772) 708-7785

DANIEL RUSHTON  
 2700 NE 12 STREET,  
 POMPANO BEACH FL

33062

PAGE 6 OF 6 Date: 06/18/2021

Revisions: Date: 7/12/2021

A	7/12/2021

**THE DOCK EXPERTS**  
  
**NEW SEAWALL CAP  
 WOOD DOCK**