



LOCATION
N.T.S.



Site Address: 631 SE 8 AVENUE, POMPANO BEACH FL 33060
 Property Owner: FARLEY, KYLE
 Mailing Address: 631 SE 8 AVE POMPANO BEACH FL 33060
 ID #: 4942 01 36 0060
 Abbreviated Legal Description CYPRESS ISLES ESTATES THIRD ADD 52-16 B LOT 16 BLK 4

OSCAR M. BERMUDEZ P.E. Date:
 Reg. Florida No. 55141

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

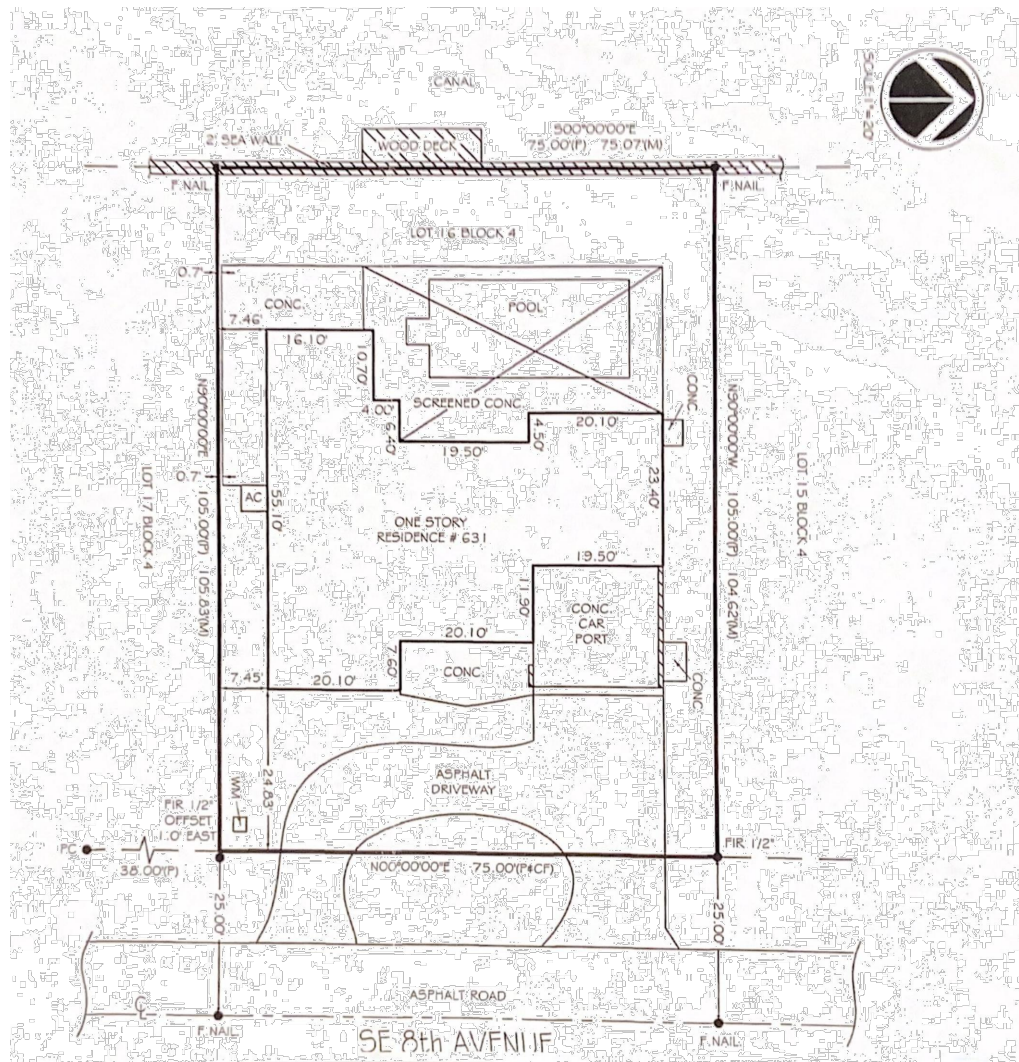
KYLE FARLEY
 631 SE 8TH AVE
 POMPANO BEACH, FL
 33060

PAGE
 1 OF 8 Date: 03/4/2022

Revisions: Date:



NEW SEAWALL CAP , CONCRETE
 DOCK, AND 13K BOAT LIFT



COPY OF BOUNDARY SURVEY

SCALE 1"=30'

OSCAR M. BERMUDEZ P.E. Date:
Reg. Florida No. 55141

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

KYLE FARLEY
631 SE 8TH AVE
POMPANO BEACH, FL
33060

PAGE
2 OF 8 Date: 03/4/2022

Revisions: Date:

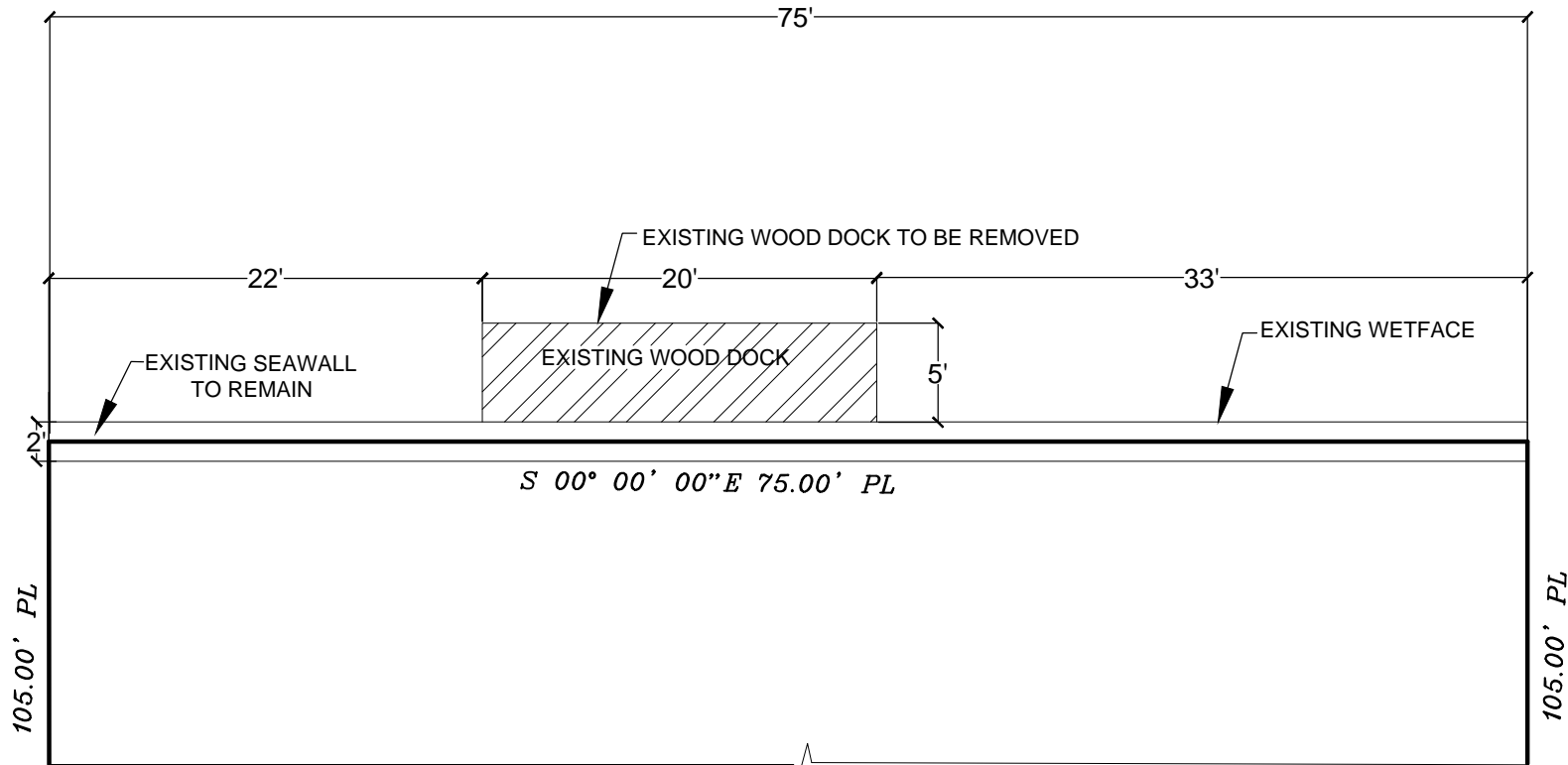


NEW SEAWALL CAP , CONCRETE DOCK, AND 13K BOAT LIFT



CANAL

WIDE BODY WATER ±67'



EXISTING SITE CONDITIONS

SCALE 1"=10'

OSCAR M. BERMUDEZ P.E. Date:
Reg. Florida No. 55141

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

KYLE FARLEY
631 SE 8TH AVE
POMPANO BEACH, FL
33060

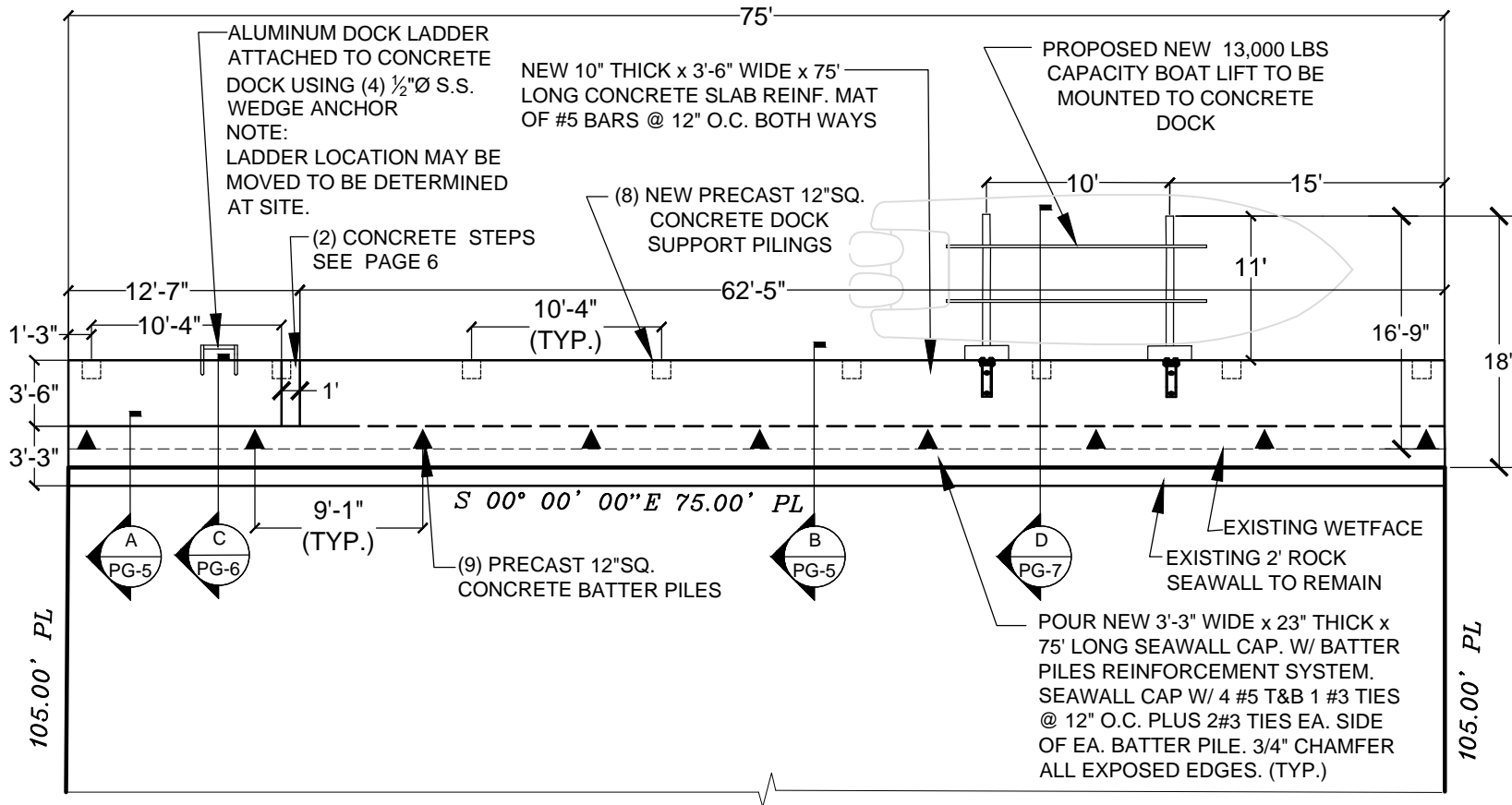
PAGE
3 OF 8 Date: 03/4/2022

Revisions: Date:



**NEW SEAWALL CAP, FOOTER
CONCRETE DOCK & WOOD PIER**

CANAL
WIDE BODY WATER ±67'



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

PROPOSED PLAN VIEW

SCALE 1"=10'

OSCAR M. BERMUDEZ P.E. Date:
 Reg. Florida No. 55141

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

KYLE FARLEY
 631 SE 8TH AVE
 POMPANO BEACH, FL
 33060

PAGE	Date:
4 OF 8	03/4/2022
Revisions:	Date:

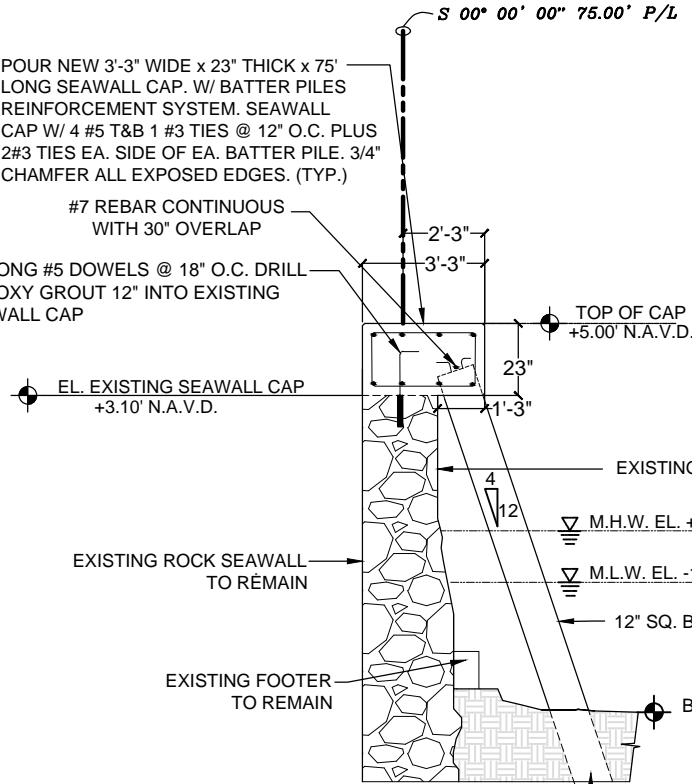


**NEW SEAWALL CAP, FOOTER
 CONCRETE DOCK & WOOD PIER**

POUR NEW 3'-3" WIDE x 23" THICK x 75' LONG SEAWALL CAP. W/ BATTER PILES REINFORCEMENT SYSTEM. SEAWALL CAP W/ 4 #5 T&B 1 #3 TIES @ 12" O.C. PLUS 2#3 TIES EA. SIDE OF EA. BATTER PILE. 3/4" CHAMFER ALL EXPOSED EDGES. (TYP.)

#7 REBAR CONTINUOUS WITH 30" OVERLAP

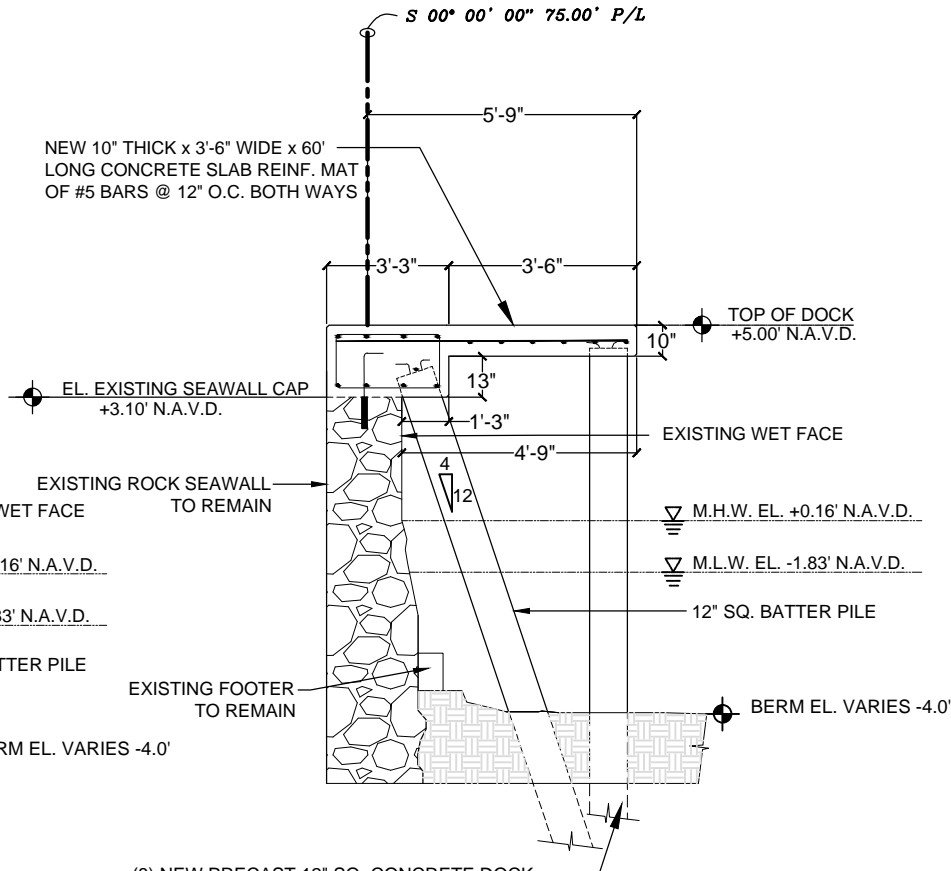
24" LONG #5 DOWELS @ 18" O.C. DRILL & EPOXY GROUT 12" INTO EXISTING SEAWALL CAP



SECTION - A
SEAWALL CAP
N.T.S.

A
PG-4

NEW 10" THICK x 3'-6" WIDE x 60' LONG CONCRETE SLAB REINF. MAT OF #5 BARS @ 12" O.C. BOTH WAYS



(8) NEW PRECAST 12" SQ. CONCRETE DOCK SUPPORT 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 VIBRATORY HAMMER DRIVEN TO A MINIMUM PENETRATION OF 12' INTO FIRM MATERIAL OR REFUSAL. PILES TO BE DRIVEN TO A BEARING CAPACITY OF 25 TONS. EXTEND VERTICAL PILE STRANDS 2" MIN. INTO CONCRETE SLAB

SECTION - B
UPPER CONCRETE DOCK
N.T.S.

B
PG-4

OSCAR M. BERMUDEZ P.E. Date:
Reg. Florida No. 55141

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.

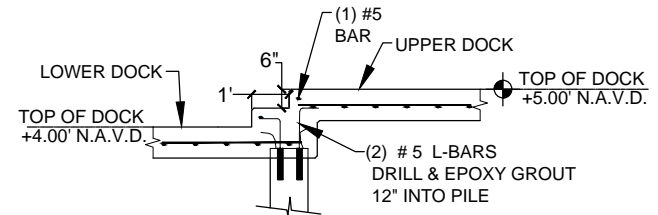
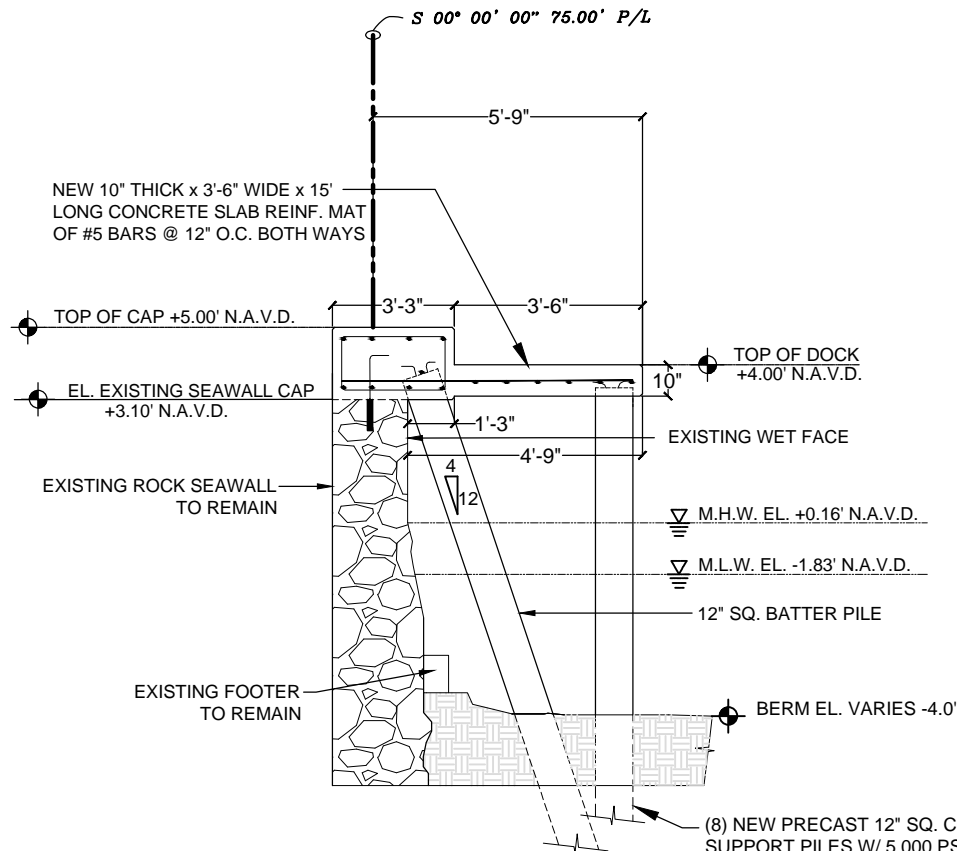
B&B Consulting Engineers
2237 Woods Edge Circle
Orlando Florida 32817
(772) 828-2263 (772) 708-7785

KYLE FARLEY
631 SE 8TH AVE
POMPANO BEACH, FL
33060

PAGE	Date:
5 OF 8	03/4/2022
Revisions:	Date:



NEW SEAWALL CAP, CONCRETE DOCK, AND 13K BOAT LIFT



STEP DETAIL (TYP.)
N.T.S.

(8) NEW PRECAST 12" SQ. CONCRETE DOCK SUPPORT 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 VIBRATORY HAMMER DRIVEN TO A MINIMUM PENETRATION OF 12' INTO FIRM MATERIAL OR REFUSAL. PILES TO BE DRIVEN TO A BEARING CAPACITY OF 25 TONS. EXTEND VERTICAL PILE STRANDS 2' MIN. INTO CONCRETE SLAB

SECTION -C

C CONCRETE LOWER DOCK
N.T.S.

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:
Reg. Florida No. 55141

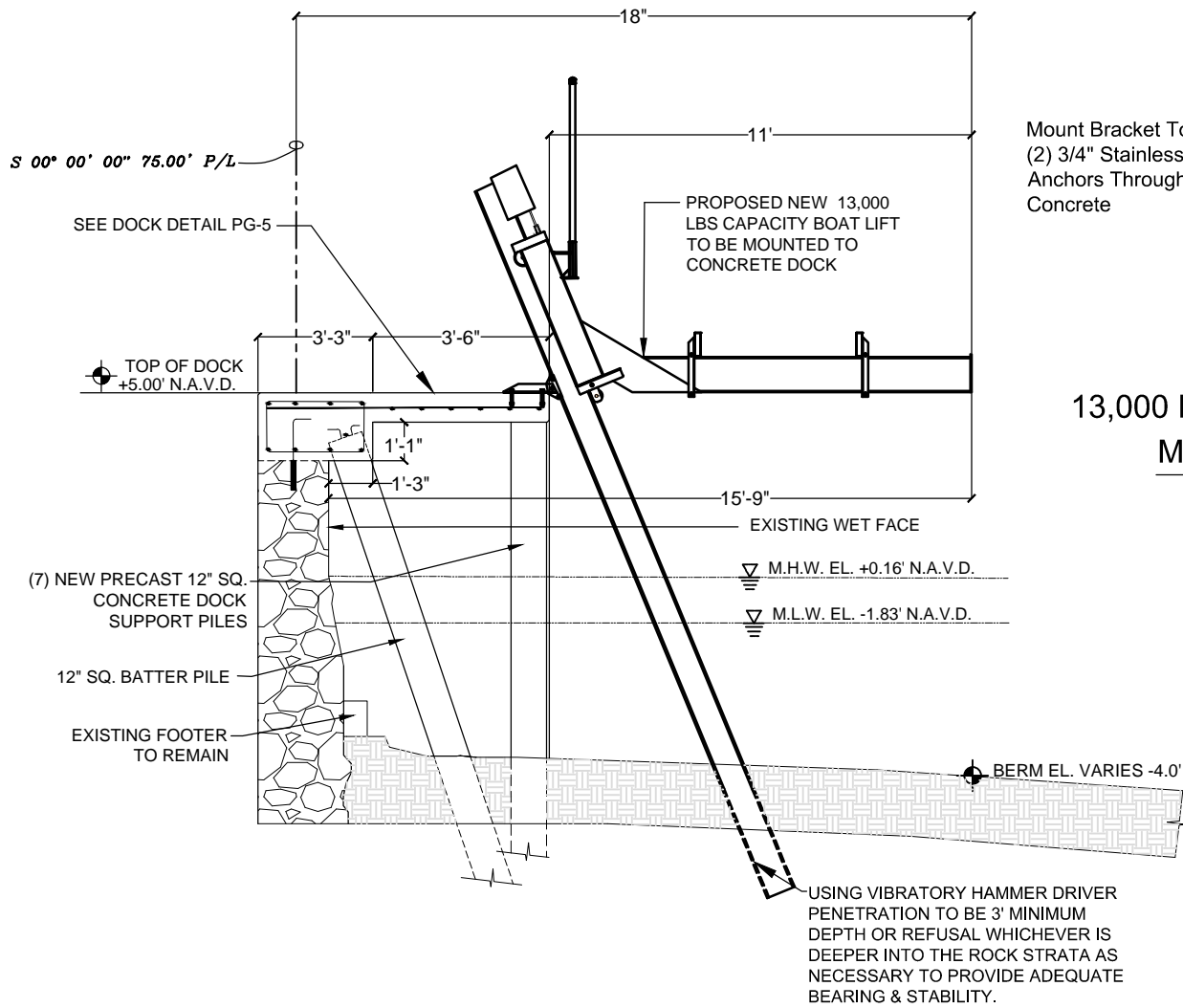
B&B Consulting Engineers
2237 Woods Edge Circle
Orlando Florida 32817
(772) 828-2263 (772) 708-7785

KYLE FARLEY
631 SE 8TH AVE
POMPANO BEACH, FL
33060

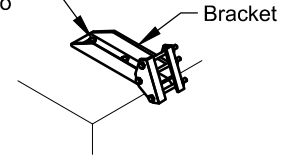
PAGE	Date:
6 OF 8	03/4/2022
Revisions:	Date:



NEW SEAWALL CAP, CONCRETE DOCK, AND 13K BOAT LIFT



Mount Bracket To Piling, Use
(2) 3/4" Stainless Steel Wedge
Anchors Through Bracket Into
Concrete



SEAWALL/DOCK MOUNT

**13,000 LBS CAPACITY ELEVATOR BOAT LIFT
MOUNT BRACKET (TYP.) DETAIL**

D
PG-4 **SECTION -D**
BOAT-LIFT DETAIL
N.T.S.

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:
Reg. Florida No. 55141

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

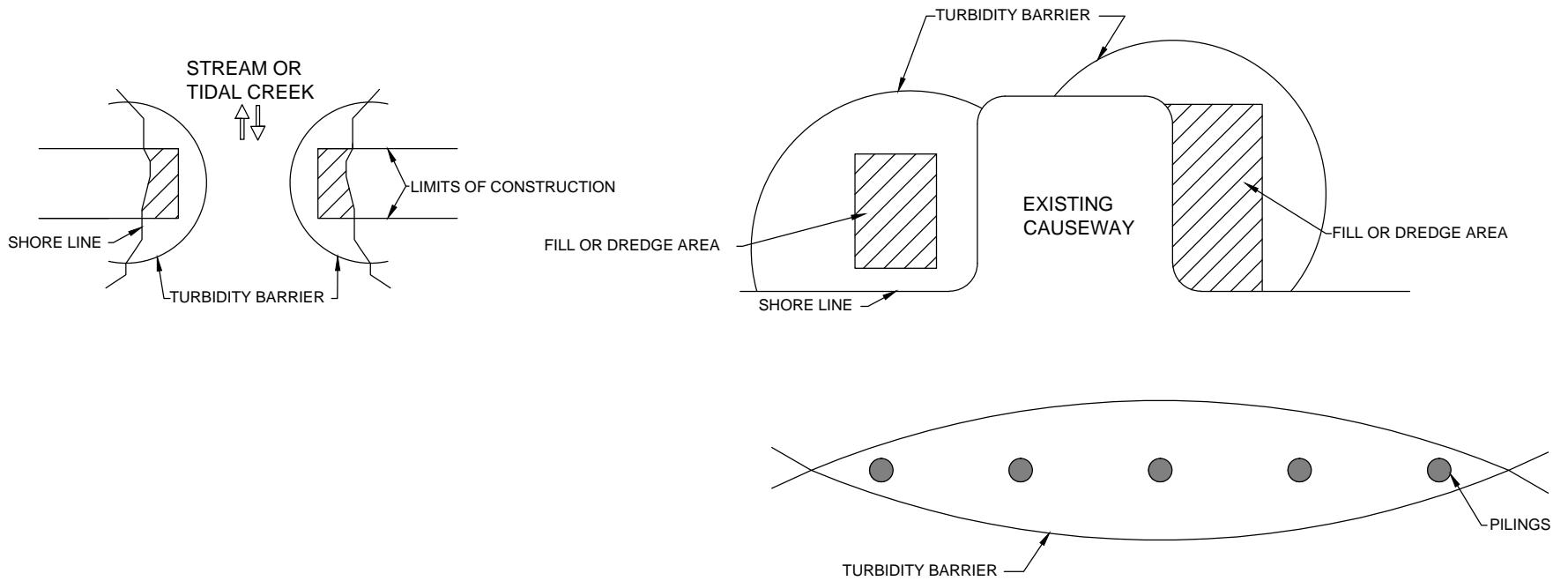
KYLE FARLEY
631 SE 8TH AVE
POMPANO BEACH, FL
33060

PAGE
7 OF 8 Date: 03/4/2022

Revisions: Date:



**NEW SEAWALL CAP ,CONCRETE
DOCK, AND 13K BOAT LIFT**



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:
Reg. Florida No. 55141

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

KYLE FARLEY
631 SE 8TH AVE
POMPANO BEACH, FL
33060

PAGE
8 OF 8 Date: 03/4/2022

Revisions: Date:



NEW SEAWALL CAP , CONCRETE DOCK, AND 13K BOAT LIFT