

LEGEND

A/C = AIR CONDITIONER
C.B.S. = CONCRETE BLOCK STRUCTURE
C = CALCULATED
CH = CHORD
CL = CENTERLINE
C/S = CONCRETE SLAB
CONC. = CONCRETE
D.E. = DRAINAGE EASEMENT
Δ = DELTA (CENTRAL ANGLE)
ELEV., EL. = ELEVATION
F.F. = FINISHED FLOOR
F.I.P. = FOUND IRON PIPE
F.I.R. = FOUND IRON ROD
L = ARC LENGTH
L.B. = LICENSED SURVEY BUSINESS
LS = LICENSED SURVEYOR
M = MEASURED
NO I.D. = NO IDENTIFICATION
N/A = NOT APPLICABLE
P.S.M. = PROFESSIONAL SURVEYOR AND MAPPER
NAVD'88 = NORTH AMERICAN VERTICAL DATUM OF 1988
NGVD'29 = NATIONAL GEODETIC VERTICAL DATUM OF 1929
ISAOA = ITS SUCCESSORS AND/OR ASSIGNS
ATIMA = AS THEIR INTEREST MAY APPEAR

P = PLAT
P.B.C. = PALM BEACH COUNTY
P.B. = PLAT BOOK
P.C. = POINT OF CURVATURE
P.K. = PARKER KALON COMPANY
D= DEED
0.00'x= SPOT ELEVATION
P.R.C. = POINT OF REVERSE CURVATURE
PG. = PAGE
R = RADIUS
R/W = RIGHT OF WAY
U.E. = UTILITY EASEMENT
C.L.F.= CHAINLINK FENCE
S.I.R.C. = SET IRON ROD WITH CAP
F.I.R.C. = FOUND IRON ROD WITH CAP
BLK = BLOCK

CERTIFIED TO:
JVK INVESTMENTS LLC

SYMBOL

CATCH BASIN
 WATER METER
 UTILITY POLE
 LIGHT POLE
 FIRE HYDRANT
 CABLE BOX
 ELECTRIC BOX
 TELEPHONE BOX
 WATER VALVE
 ELECTRIC SERVICE

— CHW — OVERHEAD WIRE LINE (OHW)
— x — CHAIN LINK FENCE (C.L.F.)
— // — WOOD FENCE (W.F.)
— □ — METAL FENCE (M.F.)
— ○ — PLASTIC FENCE (P.F.)
— <—> — WIRE FENCE (W.F.)

SURVEY NOTES:

LOCATIONS ARE LIMITED TO VISIBLE IMPROVEMENTS ONLY AS SHOWN HEREON. LANDS SHOWN HEREON WERE NOT ABSTRACTED BY THE SURVEYOR FOR EASEMENTS, RIGHT-OF-WAYS OF RECORD, OTHER RESTRICTIONS OR RESERVATIONS. DESCRIPTIONS PROVIDED BY CLIENT, OR THEIR REPRESENTATIVE. ALL DOCUMENTS ARE RECORDED IN SAME COUNTY AS PROPERTY LOCATION UNLESS OTHERWISE NOTED. ROOF OVERHANGS NOT LOCATED. SURVEY MEETS ACCURACY STANDARD FOR SUBURBAN SURVEYS (1 FOOT IN 7500 FEET). ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD'88, UNLESS OTHERWISE NOTED.

LEGAL DESCRIPTION:

Lot 5, Block 4, BEL LIDO, according to the plat thereof as recorded in Plat Book 25, Page 97, Public Records of Palm Beach County, Florida.

BENCHMARK OF ORIGIN:

NATIONAL GEODETIC SURVEY BENCHMARK DESIGNATION: APWEST; PID: AD8345
ELEVATION: 13.78' (NAVD'88)

SHEET 1 OF 1

MAP OF BOUNDARY SURVEY			SCALE: 1" = 20'
COMMUNITY PANEL# 125111-0989-F	FLOOD ZONE: AE	BASE FLOOD EL.: 6.0'(NAVD'88)	DRAWN BY: SG CHECKED BY: J.K.
DATE OF FIRM: 10/5/2017	BASIS OF BEARING: E R/W LINE OF INTRACOASTAL DRIVE, SAID LINE HAVING AN ASSUMED BEARING OF N01°48'21"E		

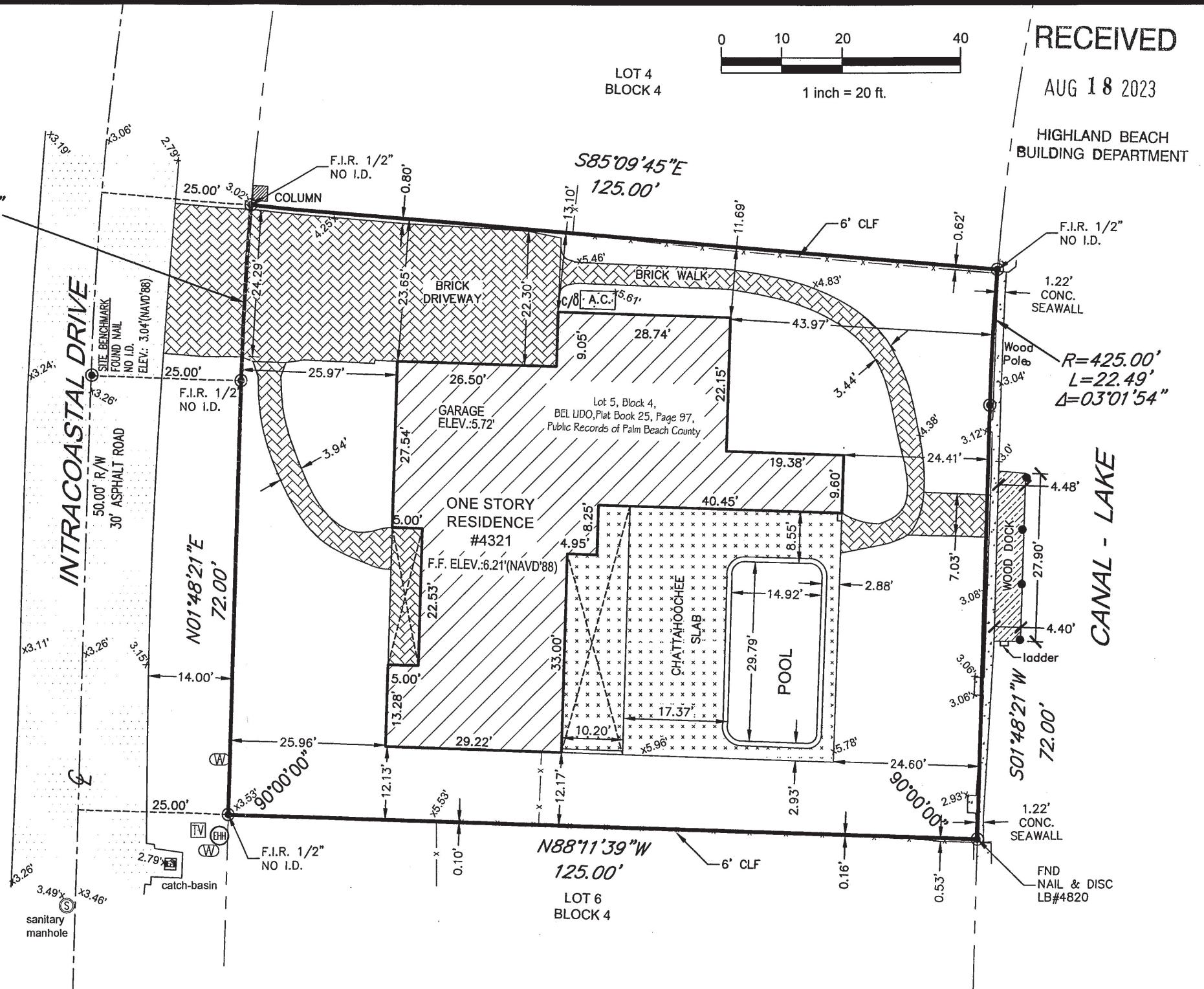
PROPERTY ADDRESS: 4321 INTRACOASTAL DRIVE, HIGHLAND BEACH, FLORIDA 33487

NOTES/REVISIONS
JOHN E. KUJAR
No. 6711
STATE OF
FLORIDA
PARTY CHIEF: RIGOBERTO BANEZAS
SURVEY DATE: 4/21/2023

THIS SURVEY MEETS THE STANDARD OF PRACTICE AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE.
Digitally signed by John E. Kuhar
DN: c=US, o=BASELINE LAND SURVEY LLC,
cn=John E. Kuhar Date: 4/21/2023
Date: 2023.04.26 15:17:49 -04'00'
JOHN E. KUJAR, PSM, STATE OF FLORIDA
PROFESSIONAL SURVEYOR AND MAPPER LS 6711
NOT VALID WITHOUT THE ELECTRONIC SIGNATURE AND THE ORIGINAL SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

BASELINE LAND SURVEY LLC
1400 N.W. 1st COURT
BOCA RATON, FLORIDA 33432
(561) 417-0700 LB-8229
JOB NO.: 23-04-011

R=550.00'
L=29.10'
Δ=03°01'54"



0 10 20 40
1 inch = 20 ft.

RECEIVED

AUG 18 2023

HIGHLAND BEACH
BUILDING DEPARTMENT

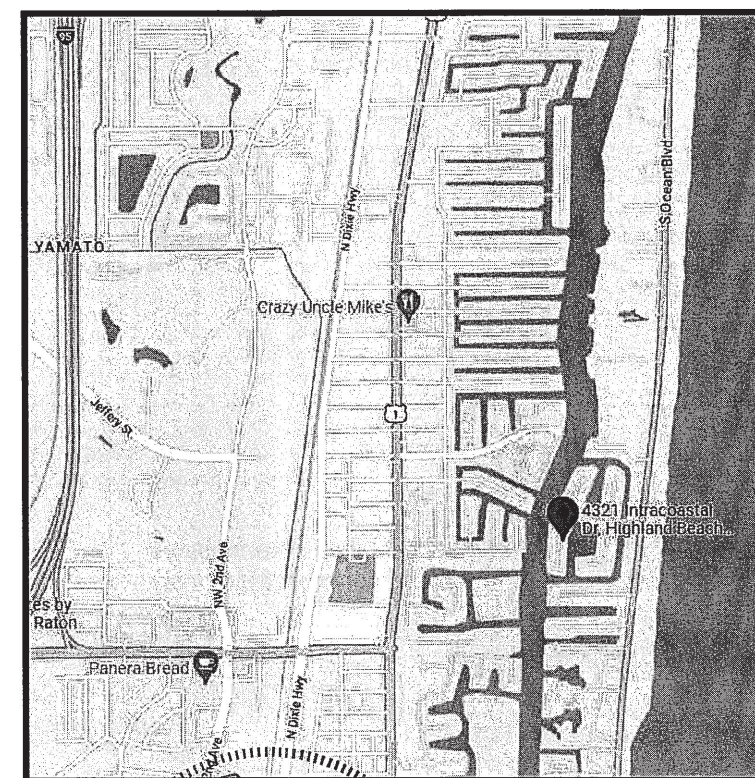
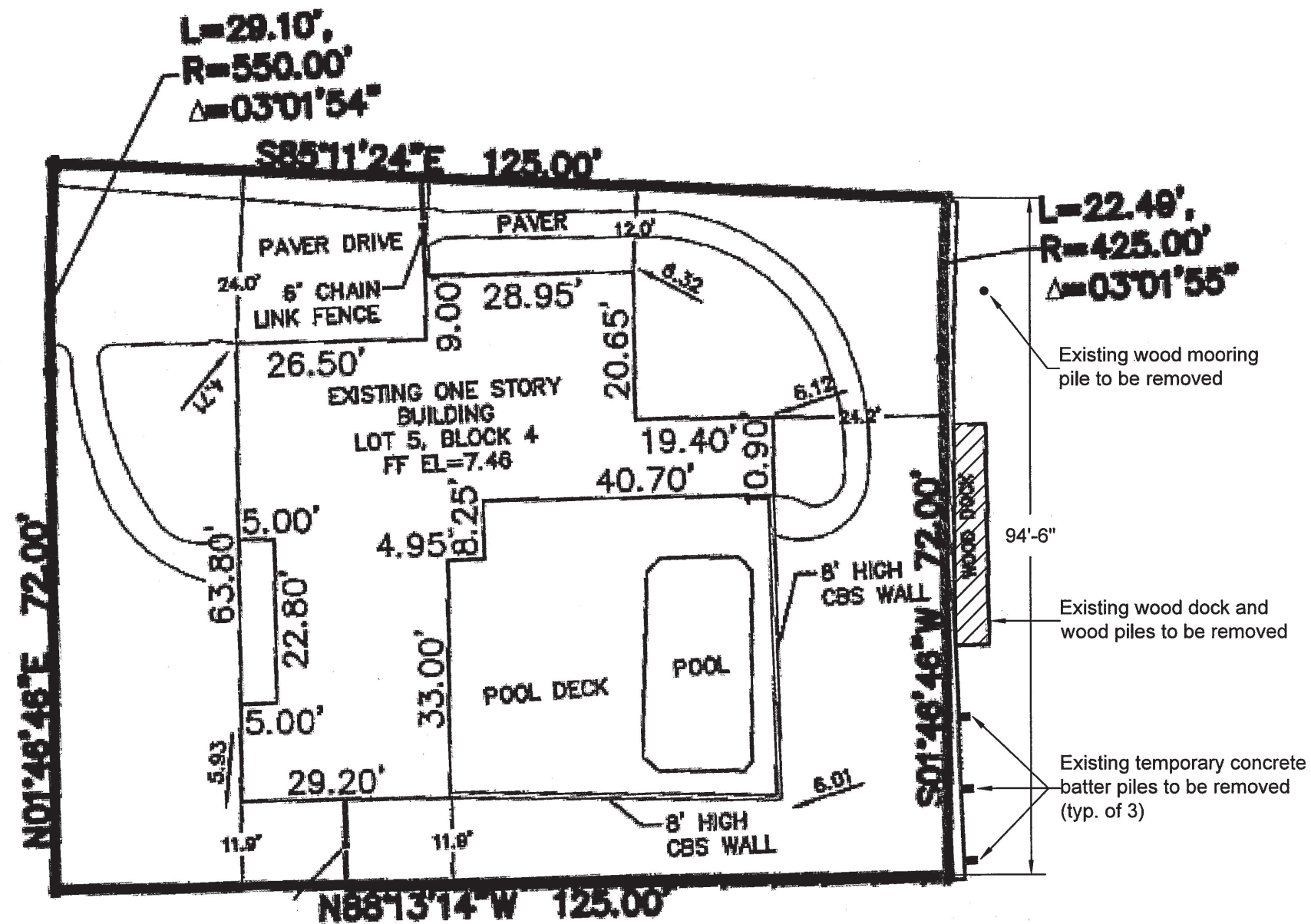
R=425.00'
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Δ=03°01'54"

CANAL - LAKE


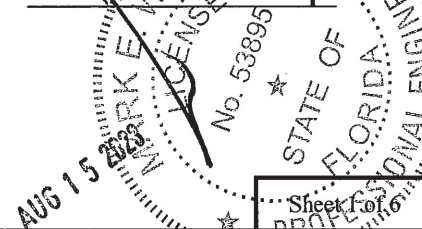
See attached survey supplied by owner for exact property information.

No tree will be removed or replanted as part of this permit

Location Address 4321 INTRACOASTAL DR.
Municipality HIGHLAND BEACH
Parcel Control Number 24-43-47-04-02-004-0050
Subdivision BEL LIDO IN
Official Records Book 25450 **Page**1530
Sale Date SEP-2012
Legal Description BEL LIDO LT 5 BLK 4



Location Map



Digitally signed
by Mark E
Weber
Date:
2023.07.27
15:07:17 -04'00'

This item has been digitally signed and sealed by Mark E. Weber PE 33895
The digital seal encloses the seal and
Valid to 2025-05-20
SE 19 23 01 43 4037W 80 66 37 C
Signature must be verified on electronic copies

Existing Site Plan

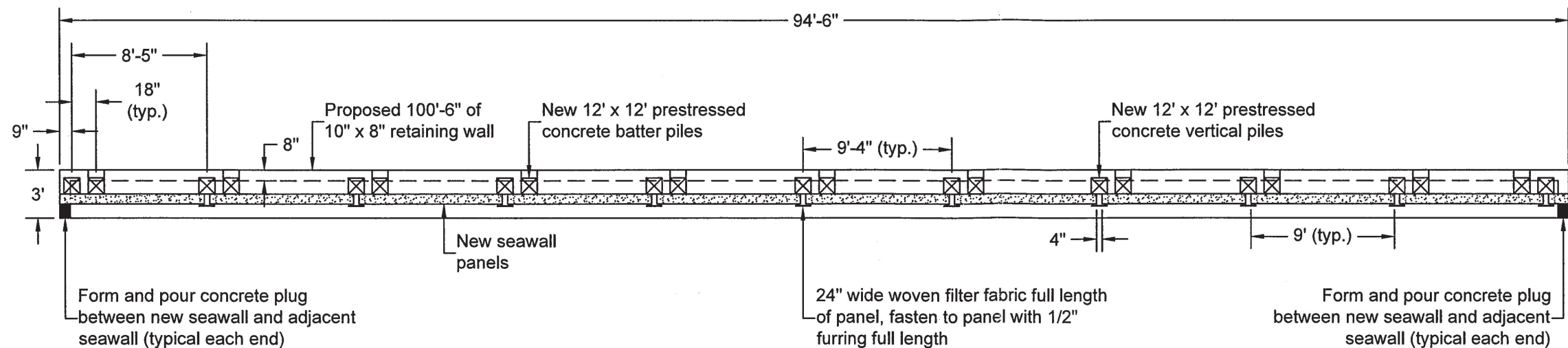
Scale: 1" = 20'

PREPARED FOR:
B&M MARINE CONSTRUCTION INC
1211 South Military Trail, Suite 200
Deerfield Beach, Florida 33442
(954) 421-1700

Project: Proposed Dock / Seawall Repair
JVK Investments LLC
4321 Intracoastal Drive
Highland Beach, Florida 33487

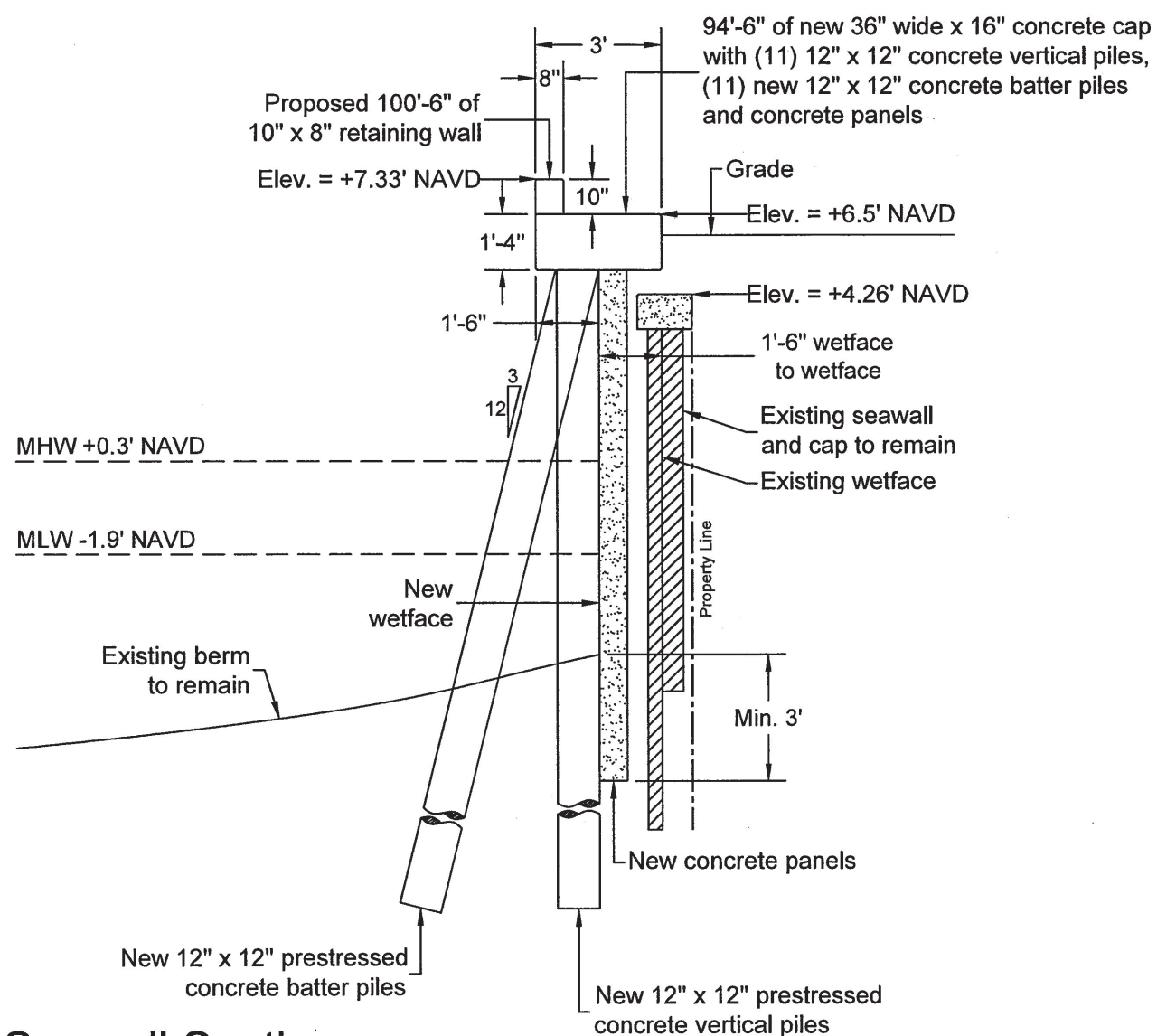
MARK E. WEBER, P.E.
LICENSE #53895 | CA 30702

MW ENGINEERING, INC
902 NE 1 Street Suite #2
Pompano Beach, Florida 33060
Ofc: 754-333-0877
WWW.MwEngineering.net



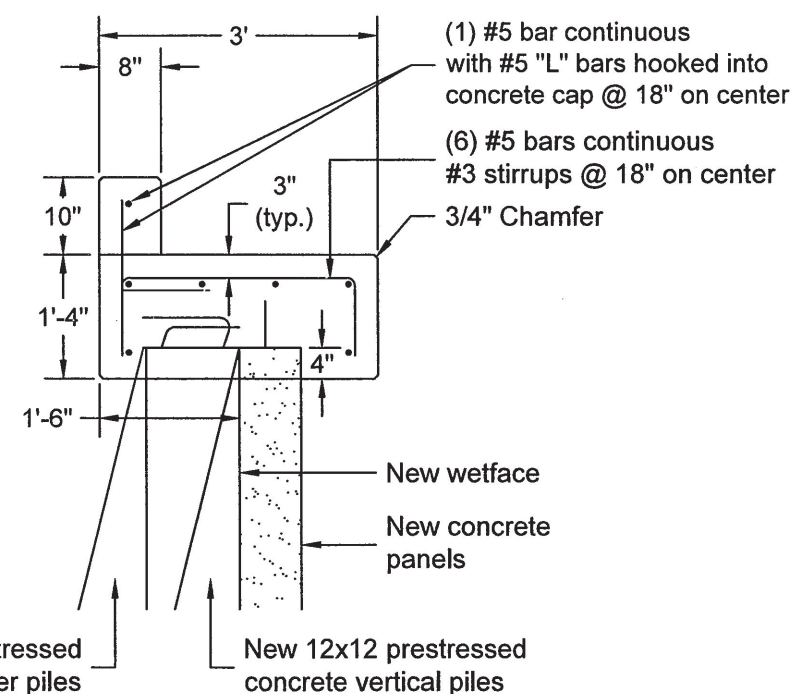
Overall Plan View

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



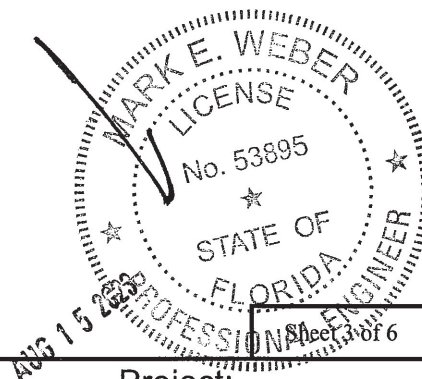
Seawall Section

Scale 1/4" = 1'-0"



Cap Steel Detail

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

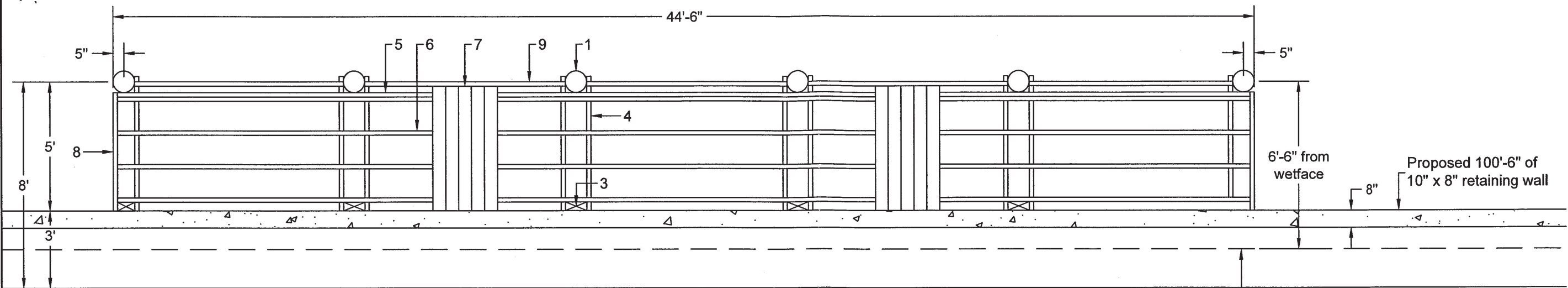


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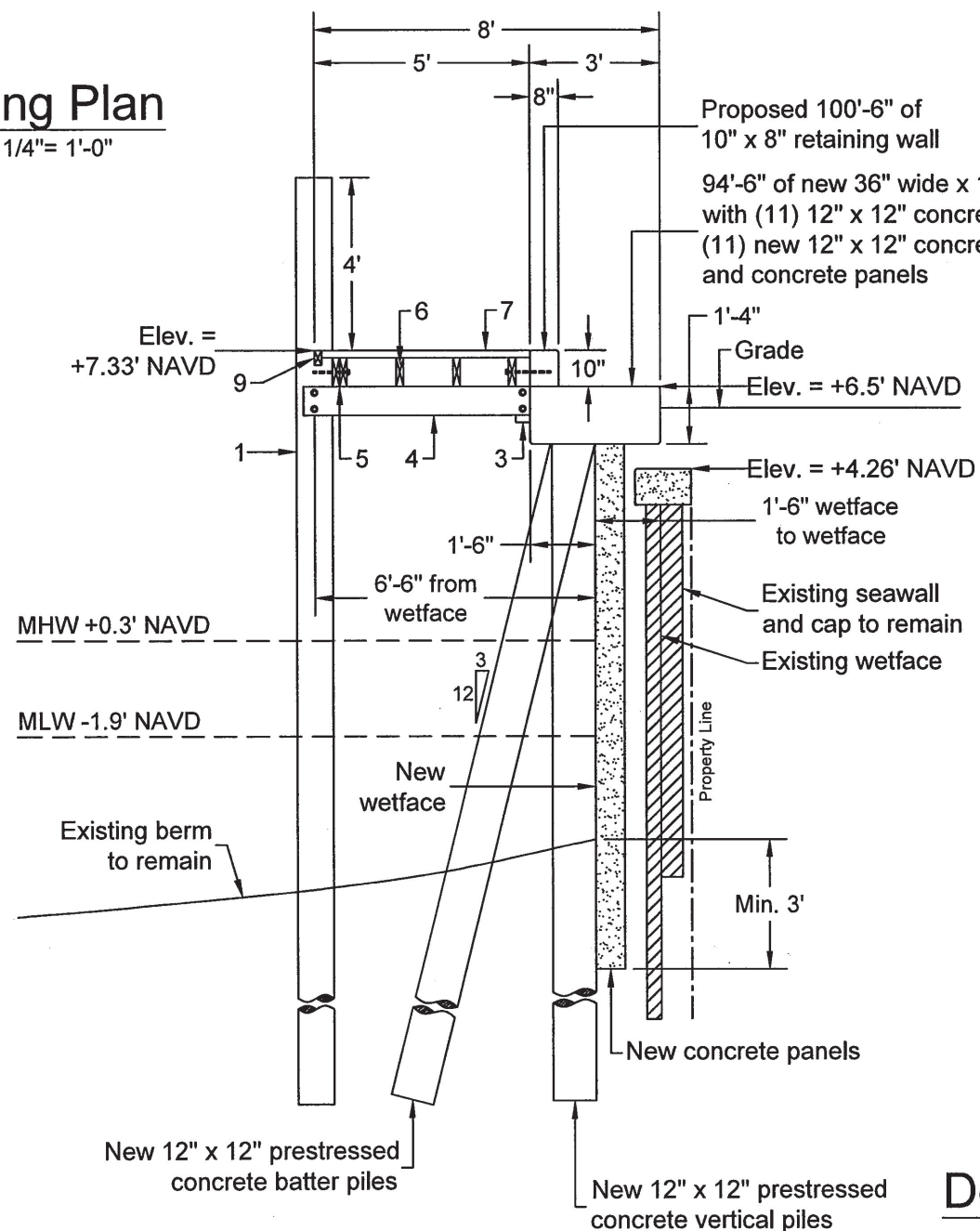
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Digitally signed by
Mark E Weber
Date: 2023.07.27
15:08:03
-04'00'

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Framing Plan
Scale 1/4" = 1'-0"



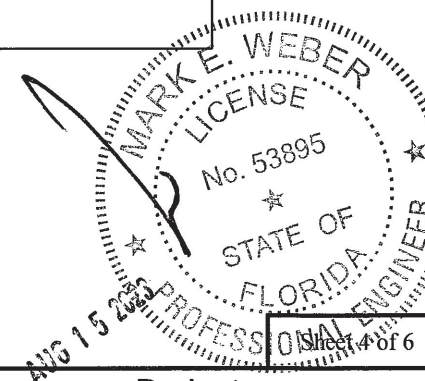
DOCK NOTE IDENTIFICATION:

1. New 10"Ø wood piles
2. Not used
3. 4" x 4" hanger to retaining wall with (1) 5/8" wedge anchor, min. 4" embedment
4. 2" x 8" substringer with (2) 5/8" thru bolt or lag bolt @ piles and hangers
5. (2) 2" x 8" stringers @ piles with (1) 5/8" thru bolt or lag bolt to piles
6. 2" x 8" stringers w/ (2) 16d nails to each substringer; @ 16" o.c. for azek deckboards or 24" o.c. for pressure treated wood deckboards
7. 5/4" x 6" decking with (2) #8 x 3" deck screws per stringer
8. 2" x 8" fascia board
9. 2" x 4" wood trim

Dock Section
Scale 1/4" = 1'-0"

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Digitally signed by
Mark E. Weber
Date: 2023.07.27
15:08:19 -04'00'

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GENERAL NOTES:

1. Construction to follow the Florida Building Code 7th Edition (2020) and amendments as applicable and all Local, State and Federal Laws.
2. Licensed contractor shall verify the existing conditions prior to the commencement of the work. Any conflicts or omissions between existing conditions or the various elements of the working drawing shall be brought to the attention of the Engineer prior to the commencement of the work. The Licensed Contractor and all subcontractors are responsible for all lines, elevations, and measurements in connection with their work.
3. Do not scale drawings for dimensions.
4. Any deviation and/or substitution from the information provided herein shall be submitted to the Engineer for approval prior to commencement of work.
5. All unanticipated or unforeseen demolition and/or new construction conditions which require deviation from the plans and notes herein shall be reported to the Engineer prior to commencement of work.
6. All new work and/or materials shall conform to all requirements of each administrative body having jurisdiction in each appertaining circumstance.
7. All new materials and/or patchwork shall be provided to match existing materials and/or adjoining work where practical except as specifically noted herein.
8. Licensed Contractor to shall use all possible care to protect all existing materials, surfaces, and furnishings from damage during all phases of construction.
9. Licensed Contractor to verify location of existing utilities prior to commencing work.
10. The Licensed contractor to install and remove all shoring and bracing as required for the proper execution of the work.
11. Licensed Contractor to obtain all permits as necessary from all Local, State, and Federal agencies.
12. Turbidity barriers to be marked with site contractor's company name using permanent markings no smaller than 3 inches in height on the top of the barrier.

PILE DRIVING:

1. Piles shall be driven using an approved cushion block consisting of material so arranged so as to provide the transmission of hammer energy.
2. Piles shall be driven to a minimum allowable bearing capacity of 10 tons for wood, 25 tons for concrete, and 5 tons for pin piles, a minimum of 8' into berm or refusal.
3. Piles shall be driven with a drop hammer or gravity hammer provided the hammer shall weight no less than 3,000 pounds, and the fall of the hammer shall not exceed 6'.
4. Piles shall be driven with a variation of not more than $\frac{1}{4}$ inch per foot from the vertical, or from the batter line indicated, with a maximum variation of the head of the pile from the position shown on the plans of not more than three inches.
5. Where piling must penetrate strata offering high resistance to driving, the structural engineer of record or special inspector may require that the piles be set in pre-drilled or punched holes. The piles shall reach their final penetration by driving.

CONCRETE NOTES:

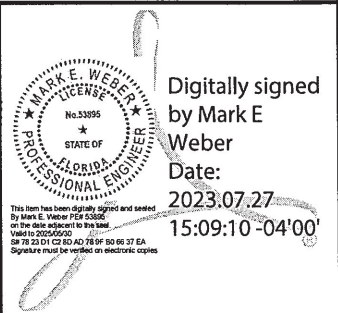
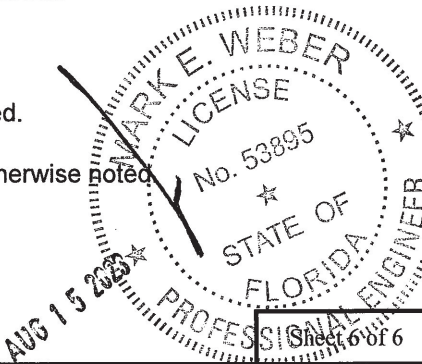
1. Concrete shall conform to ACI 318-14 and shall be regular weight, sulfate resistant, with a design strength of 5000 psi at 28 days with a maximum water-cementitious materials ratio, by weight aggregate concrete of 0.40.
2. Owner shall employ and pay for testing services from an independent testing laboratory for concrete sampling and testing in accordance with 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 the 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 with ACI 315 and ACI Manual of Standard Practice.
6. Splices in reinforcing bars shall be 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.
7. Defective, cracked or loose concrete areas must be cut out, the rebar must be cleaned, coated with zinc and repaired with at least 3" of expoxy-concrete mix or gunnite concrete with sulfate-resistant cement.

PILE NOTES:

1. Wood piles to be 2.5 lb. CCA treated in accordance with AWPA standard C18.
2. Wood piles shall be a minimum diameter of 10", Miami Dade County requires minimum diameter of 12".
3. Concrete piles shall attain 6000 psi compressive strength in 28 days.
4. Concrete piles shall be reinforced with four - $\frac{7}{16}$ "Ø lo-lax strands, 270 kips, and 5 ga. spiral ties.
5. Concrete piles shall be 12"x12" square, minimum length of 20'.
6. Concrete piles shall be cut to leave strands exposed a min. of 18" and tied to dock or cap steel or drill and epoxy (2) #5 8"x12" hook bars 6" into pile.

WOOD DOCK NOTES:

1. All materials to be pressure treated pine unless otherwise noted.
2. All frame work materials to be Southern Pine Grade #1
3. All Decking materials to be grade #1 unless otherwise noted.
4. All hardware to be Stainless Steel or Galvanized unless otherwise noted



<p>PREPARED FOR:</p> <p>B&M MARINE CONSTRUCTION INC 1211 South Military Trail, Suite 200 Deerfield Beach, Florida 33442 (954) 421-1700</p>	<p>Project:</p> <p>Proposed Dock / Seawall Repair JVK Investments LLC 4321 Intracoastal Drive Highland Beach, Florida 33487</p>	<p>MARK E. WEBER, P.E. LICENSE #53895 CA 30702</p> <p>MW ENGINEERING, INC 902 NE 1 Street Suite #2 Pompano Beach, Florida 33060 Ofc: 754-333-0877 WWW.MwEngineering.net</p>
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