

CONSTRUCTION DOCUMENTS

SEAWALL

JUPITER, FLORIDA

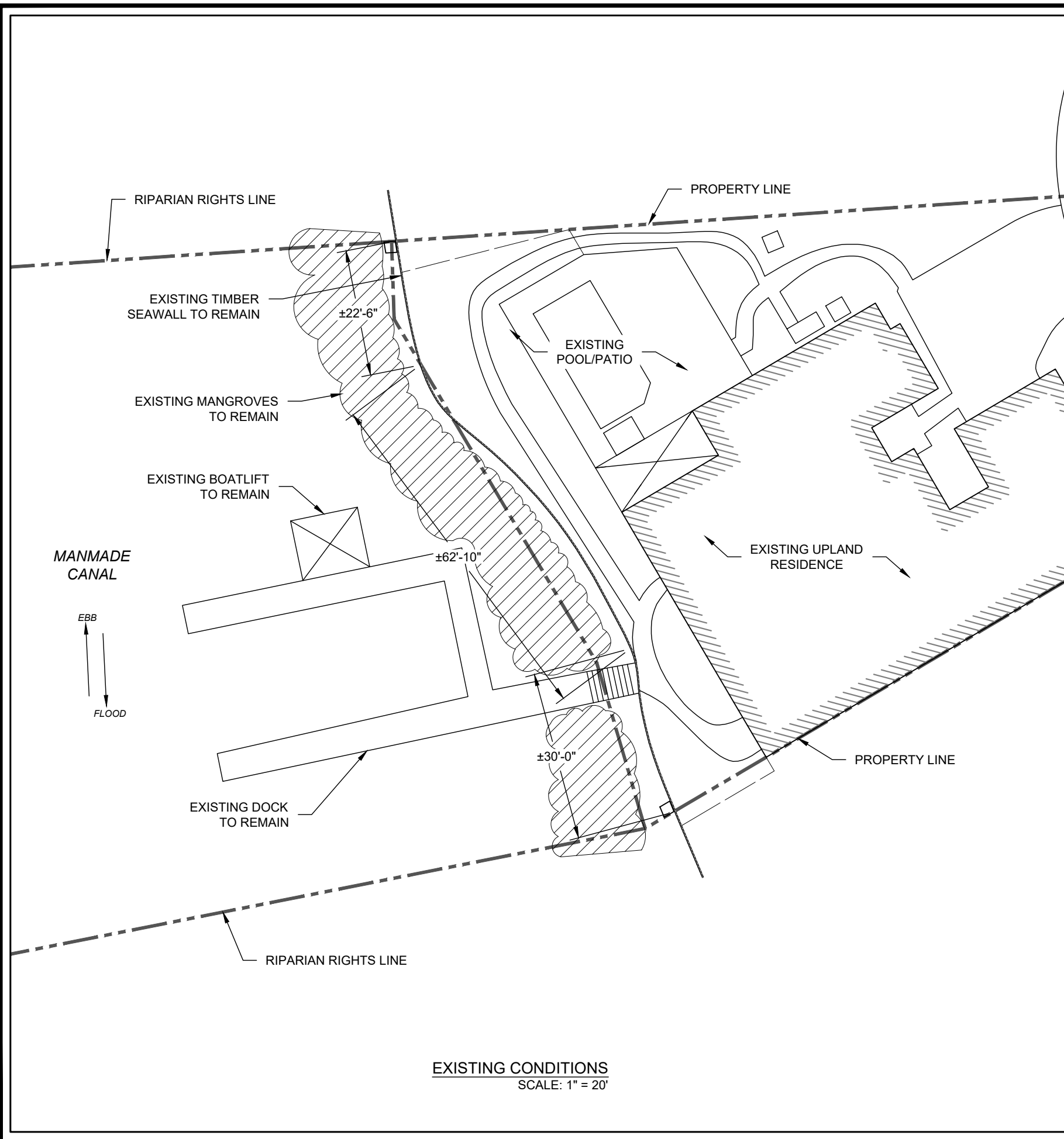
January 17, 2023



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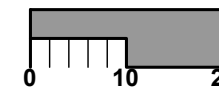
GENERAL NOTES:

1. PROPERTY LINES AND LAYOUT FEATURES SHOWN IN THESE PLANS ARE BASED ON INFORMATION TAKEN FROM SURVEY PERFORMED BY NEXGEN SURVEYING, LLC., DATED MAY 17, 2021.
2. ELEVATIONS SHOWN ON UPLAND ARE REFERENCED TO NAVD88.
3. SCOPE OF WORK INCLUDES INSTALLATION OF NEW VINYL SEAWALL WITH CONCRETE CAP WATERWARD OF EXISTING WALL.
4. ALL DEBRIS SHALL BE DISPOSED OF AT AN OFFSITE DISPOSAL SITE. ANY DEBRIS FALLING INTO THE WATER SHALL BE RETRIEVED AND DISPOSED OF OFFSITE.
5. ANY IMPACTED AREAS SHALL BE RETURNED TO A ROUGH-GRADED AND BETTER-THAN-ORIGINAL CONDITION. CONTRACTOR SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH EXISTING AND PROPOSED CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
6. SEE SHEET 1 FOR EXISTING CONDITIONS AND NOTES; SHEET 2 FOR PROPOSED SEAWALL LAYOUT PLAN; SHEET 3 FOR CROSS SECTION AND DETAILS.
7. ALL INFORMATION CONTAINED IN THESE PLANS SHALL BE FIELD CONFIRMED AS NECESSARY BY CONTRACTOR PRIOR TO AND DURING ALL CONSTRUCTION ACTIVITIES. ANY DISCREPANCIES WHICH MAY MATERIALLY ALTER THE DESIGN AND/OR CONSTRUCTION SCOPE SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER.
8. ANY MODIFICATIONS TO THESE PLANS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO EXECUTION.
9. THIS PROJECT HAS BEEN APPROVED THROUGH A PERMIT EXEMPTION FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AND A STATE PROGRAMMATIC GENERAL PERMIT FROM THE US ARMY CORPS OF ENGINEERS, FILE NO. 50-0170488-002.003-EE. CONTRACTOR SHALL ADHERE TO ALL CONDITIONS OF REGULATORY APPROVALS.

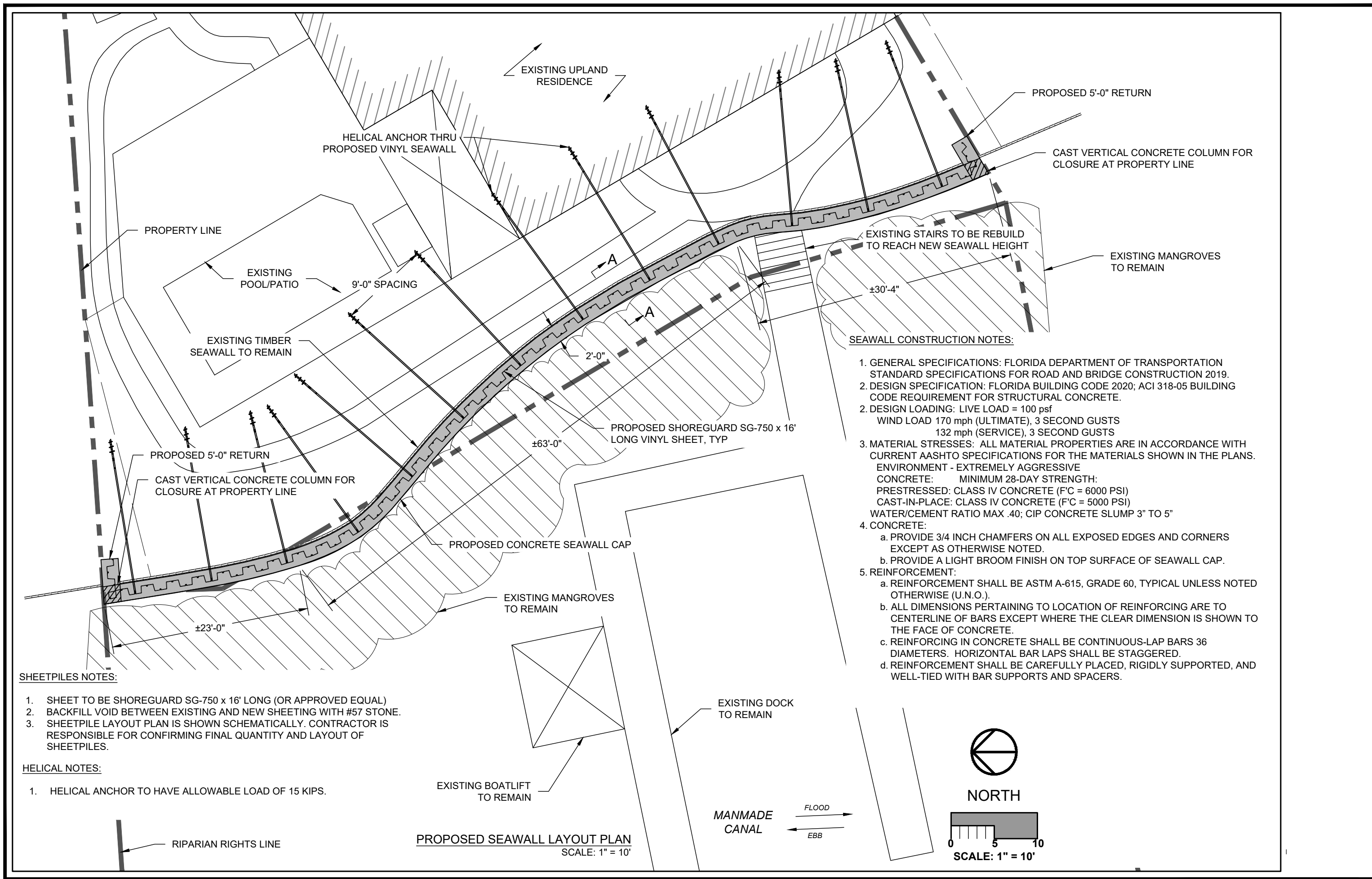
EXISTING CONDITIONS
SCALE: 1" = 20'



NORTH



SCALE: 1" = 20'



SEAWALL CONSTRUCTION NOTES:

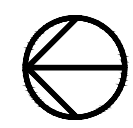
1. GENERAL SPECIFICATIONS: FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2019.
2. DESIGN SPECIFICATION: FLORIDA BUILDING CODE 2020; ACI 318-05 BUILDING CODE REQUIREMENT FOR STRUCTURAL CONCRETE.
2. DESIGN LOADING: LIVE LOAD = 100 psf
WIND LOAD 170 mph (ULTIMATE), 3 SECOND GUSTS
132 mph (SERVICE), 3 SECOND GUSTS
3. MATERIAL STRESSES: ALL MATERIAL PROPERTIES ARE IN ACCORDANCE WITH CURRENT AASHTO SPECIFICATIONS FOR THE MATERIALS SHOWN IN THE PLANS.
ENVIRONMENT - EXTREMELY AGGRESSIVE
CONCRETE: MINIMUM 28-DAY STRENGTH:
PRESTRESSED: CLASS IV CONCRETE (F'C = 6000 PSI)
CAST-IN-PLACE: CLASS IV CONCRETE (F'C = 5000 PSI)
WATER/CEMENT RATIO MAX .40; CIP CONCRETE SLUMP 3" TO 5"
4. CONCRETE:
 - a. PROVIDE 3/4 INCH CHAMFERS ON ALL EXPOSED EDGES AND CORNERS EXCEPT AS OTHERWISE NOTED.
 - b. PROVIDE A LIGHT BROOM FINISH ON TOP SURFACE OF SEAWALL CAP.
5. REINFORCEMENT:
 - a. REINFORCEMENT SHALL BE ASTM A-615, GRADE 60, TYPICAL UNLESS NOTED OTHERWISE (U.N.O.).
 - b. ALL DIMENSIONS PERTAINING TO LOCATION OF REINFORCING ARE TO CENTERLINE OF BARS EXCEPT WHERE THE CLEAR DIMENSION IS SHOWN TO THE FACE OF CONCRETE.
 - c. REINFORCING IN CONCRETE SHALL BE CONTINUOUS-LAP BARS 36 DIAMETERS. HORIZONTAL BAR LAPS SHALL BE STAGGERED.
 - d. REINFORCEMENT SHALL BE CAREFULLY PLACED, RIGIDLY SUPPORTED, AND WELL-TIED WITH BAR SUPPORTS AND SPACERS.

SHEETPILES NOTES:

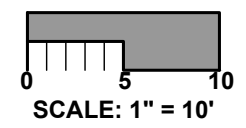
1. SHEET TO BE SHOREGUARD SG-750 x 16' LONG (OR APPROVED EQUAL)
2. BACKFILL VOID BETWEEN EXISTING AND NEW SHEETING WITH #57 STONE.
3. SHEETPILE LAYOUT PLAN IS SHOWN SCHEMATICALLY. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING FINAL QUANTITY AND LAYOUT OF SHEETPILES.

HELICAL NOTES:

1. HELICAL ANCHOR TO HAVE ALLOWABLE LOAD OF 15 KIPS.

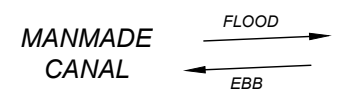


NORTH



SCALE: 1" = 10'

PROPOSED SEAWALL LAYOUT PLAN
SCALE: 1" = 10'



MANMADE CANAL

