

HERNANDO COUNTY PARKS & RECREATION DEPARTMENT

16161 FLIGHT PATH DRIVE
BROOKSVILLE FL 34604
(OFFICE 352-754-4031)



JENKIN'S CREEK FISHING PIER REPLACEMENT

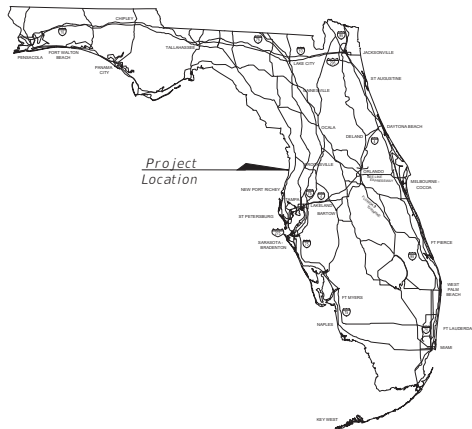
PURCHASE ORDER # 22000821
CONTRACT # 18-R00045/PH, TASK ORDER #22
PARCEL KEY: 375702
PROJECT AREA: 0.38 ACRES

100% CONSTRUCTION PLAN REVIEW

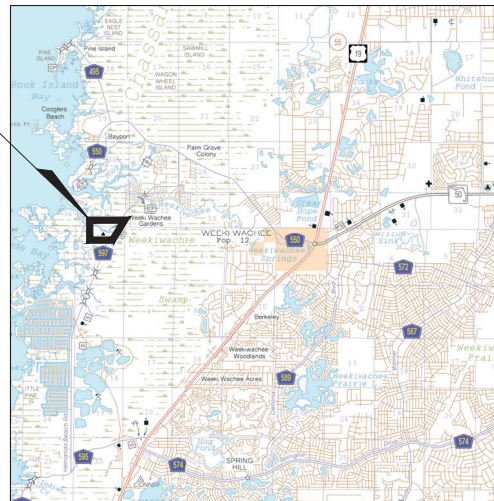
COASTAL ENGINEERING PROJECT #22056

SHEET INDEX

STRUCTURAL DRAWINGS	
G-101 COVER SHEET	B2-1 GENERAL NOTES SHEET
G-102 GENERAL NOTES	B2-2 PLAN
C-101 TOPOGRAPHIC SURVEY	B2-3 FOUNDATION LAYOUT (1 OF 3)
C-102 SURVEY POLE LOC	B2-4 FOUNDATION LAYOUT (2 OF 3)
C-103 EROSION CONTROL PLAN	B2-5 FOUNDATION LAYOUT (3 OF 3)
C-104 SITE DEMOLITION PLAN	B2-6 TYPICAL SECTIONS
C-105 OVERALL SITE PLAN	B2-7 DETAILS SHEET (1 OF 4)
C-106 FISHING PIER PLAN & PROFILE	B2-8 DETAILS SHEET (2 OF 4)
C-107 FISHING PIER PLAN & PROFILE	B2-9 DETAILS SHEET (3 OF 4)
C-108 FISHING PIER PLAN & PROFILE	B2-10 DETAILS SHEET (4 OF 4)
C-109 CIVIL DETAILS	



Project Location



SECTION 06, TOWNSHIP 23 S., RANGE 17 E.
SECTION 31, TOWNSHIP 22 S., RANGE 17 E.

HERNANDO COUNTY COMMISSIONERS
DISTRICT-1 ELIZABETH NARVERUD VICE CHAIRMAN
DISTRICT-2 BRIAN HAWKINS
DISTRICT-3 JOHN ALLOCCO CHAIRMAN
DISTRICT-4 JERRY CAMPBELL
DISTRICT-5 STEVE CHAMPION 2ND VICE CHAIRMAN

COMMUNITY SERVICES DIRECTOR
CHRIS LINSBECK

PROJECT MANAGER
ROB TALMAGE

TECHNICAL SPECIFICATIONS

- THE FOLLOWING ARE INCORPORATED HEREIN BY REFERENCE:
1. FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION.
 2. FLORIDA DEPARTMENT OF TRANSPORTATION "ROADWAY AND TRAFFIC DESIGN STANDARDS", LATEST EDITION.
 3. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
 4. F.D.O.T. UTILITY ACCOMMODATION MANUAL (2017).
 5. HERNANDO COUNTY UTILITIES DEPARTMENT WATER, RECLAIMED WATER AND WASTEWATER CONSTRUCTION SPECIFICATIONS MANUAL, LATEST EDITION.
 6. HERNANDO COUNTY DEPARTMENT OF PUBLIC WORKS/ENGINEERING DIVISION FACILITY DESIGN GUIDELINES EDITION OCT 2008

DESCRIPTION	DATE
60% PLAN SUBMITTAL	03/13/2023
100% PLAN SUBMITTAL	04/14/2023
FINAL PLANS	

PLANS PREPARED BY:



966 Candlelight Boulevard - Brooksville - Florida 34601
(352) 796-9423 - Fax (352) 799-6359
EB-0000142

bmalMBERG@coastal-engineering.com

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

Brian M. Malmberg, State of Florida, Professional Engineer, License No. 59465. This item has been digitally signed and sealed by Brian M. Malmberg on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



DESIGN ENGINEER BRIAN M. MALMBERG, P.E., REGISTRATION NO. .



PRINTED: 04/17/2023 - 11:05am PRINTED BY: BAI DATE: 11/20/2023 USER: Coastal\jmg\DWG\jmg\22056.DWG

GOVERNMENT LOT-7

PARCEL 5.0
OR. 449, PG. 105
KEY #341357

SOUTH LINE OF SEC. 31-22-17
NORTH LINE OF SEC. 06-23-17

GOVERNMENT LOT-2

GOVERNMENT LOT-1

PARCEL OR

LEGAL DESCRIPTION

PARCEL 5.0:
THE SOUTH 330.00 FEET OF GOVERNMENT LOT 7, AND THE SOUTH 330.0 FEET OF GOVERNMENT LOT 8, LYING WEST OF STATE ROAD No. 595, ALL IN SECTION 31, TOWNSHIP 22 SOUTH, RANGE 17 EAST, HERNANDO COUNTY, FLORIDA.

PARCEL 1.11:
ALL THAT PART OF GOVERNMENT LOTS 1 AND 2 LYING WEST OF STATE ROAD No. 595 IN SECTION 06, TOWNSHIP 23 SOUTH, RANGE 17 EAST, HERNANDO COUNTY, FLORIDA.

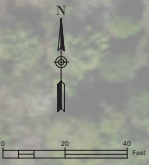
**** BASIS FOR BEARINGS ****

THE BEARINGS SHOWN ON THIS SURVEY ARE BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE, NORTH AMERICAN DATUM OF 1983 (NAD 83), 2011 ADJUSTMENT. BEARINGS SHOWN HEREON ARE GRID BEARINGS.

N.A.V.D. 1985 DATUM

ELEVATIONS BASED ON N.G.S. T.B.M. Q-750, ELEV.= 8.50'. A BRASS DISK IN A CULVERT HEADWALL LOCATED ON THE EAST SIDE OF SHOAL LINE BLVD., 800' NORTH OF JENKINS CREEK PARK

NOTE: SEE SHEET C-102 FOR LEGEND AND GENERAL SURVEY NOTES.



TOPOGRAPHIC SURVEY
JENKINS CREEK FISHING PIER REPLACEMENT



Coastal
ENGINEERING, INC.
800 Cathedral Boulevard • Brooksville, Florida 34601
(352) 796-1423 • Fax (352) 796-8359
EID-0010742

REUSE OF DOCUMENT
THIS DOCUMENT, DRAWING OR THE INFORMATION HEREON, IS THE PROPERTY OF COASTAL ENGINEERING, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF COASTAL ENGINEERING ASSOCIATES, INC.

DATE	REV. BY/REV. NO.	REVISION

WHEN PRINTED TO SCALE, DRAWING SIZE SHALL BE 27" x 34"
SHEET C-101
22056

PRINTED: 04/17/2025 - 11:05am PRINTED BY: BAI PATH: L:\2025\Drawings\Coastal\Job\2025\250356.dwg

Table with 4 columns: PILE #, TOP DECK ELEV, GROUND ELEV, TOTAL HEIGHT. Rows 3015 to 3036.

Table with 4 columns: PILE #, TOP DECK ELEV, GROUND ELEV, TOTAL HEIGHT. Rows 3037 to 3057.

Table with 4 columns: PILE #, TOP DECK ELEV, GROUND ELEV, TOTAL HEIGHT. Rows 3058 to 3078.

Table with 4 columns: PILE #, TOP DECK ELEV, GROUND ELEV, TOTAL HEIGHT. Rows 3079 to 3099.

Table with 4 columns: PILE #, TOP DECK ELEV, GROUND ELEV, TOTAL HEIGHT. Rows 3100 to 3173.

Table with 4 columns: PILE #, TOP DECK ELEV, GROUND ELEV, TOTAL HEIGHT. Rows 3491 to 3724.

Table with 4 columns: PILE #, TOP DECK ELEV, GROUND ELEV, TOTAL HEIGHT. Rows 3245 to 3255.

Table with 4 columns: PILE #, TOP DECK ELEV, GROUND ELEV, TOTAL HEIGHT. Rows 3007 to 3014.

RAMP-2

Table with 4 columns: PILE #, TOP DECK ELEV, GROUND ELEV, TOTAL HEIGHT. Rows 3101 to 3106.

RAMP-3

Table with 4 columns: PILE #, TOP DECK ELEV, GROUND ELEV, TOTAL HEIGHT. Rows 3001 to 3455.

RAMP-4

LEGEND section containing symbols and definitions for various survey elements like SEE CURVE TABLE, SEE LINE TABLE, CALCULATED, PLAT OR MAP, FIELD MEASURED, RECORD or BIED, FOUND IRON PIN NO ID, FOUND IRON PIN AND CAP, FOUND NAIL AND DISK, FOUND CONCRETE MONUMENT, SET IRON PIN AND CAP, SET CONCRETE MONUMENT, CONCRETE, CHAIN LINK FENCE, BARBED WIRE FENCE, HOZ WIRE FIELD FENCE, SIDEWALK, OVERHEAD POWER, ELECTRIC, EDGE OF PAVEMENT, OFFICIAL RECORD, PLAT BOOK, PAGE, RIGHT-OF-WAY, SECTION, MITERED END SECTION, REINFORCED CONCRETE PIPE, TOP OF BANK, TOE OF SLOPE, POINT OF BEGINNING, POINT OF COMMENCEMENT, Permanent Control Point, Permanent Reference Monument, AIR RELEASE VALVE, STREET SIGN, SIGN, FIRE HYDRANT, UTILITY POLE, LIGHT POLE, UTILITY GATE VALVE, TELEPHONE SERVICE RISER, ELECTRIC TRANSFORMER, FIBER OPTIC BOX, WATER METER, SANITARY MANHOLE, UTILITY SPLICE BOX, CATV MARKER, WELL CAPPED, FOUND IRON PIN & CAP (AS SHOWN), SET IRON PIN AND CAP (5/8" IR LB #7200), FOUND NAIL AND DISK (AS SHOWN), SET NAIL AND DISK (LB #7200), FOUND CONCRETE MONUMENT (AS SHOWN), SET CONCRETE MONUMENT (4x4" LB #7200), DESCRIPTIVE POINT, EXISTING ELEVATION, Fence Line, Basis for Bearings, Residence, Proposed Finish Floor Elevation, Concrete Block Structure.

SURVEY POLE LOCATIONS JENKINS CREEK FISHING PIER REPLACEMENT



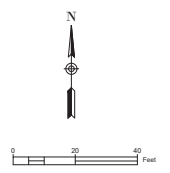
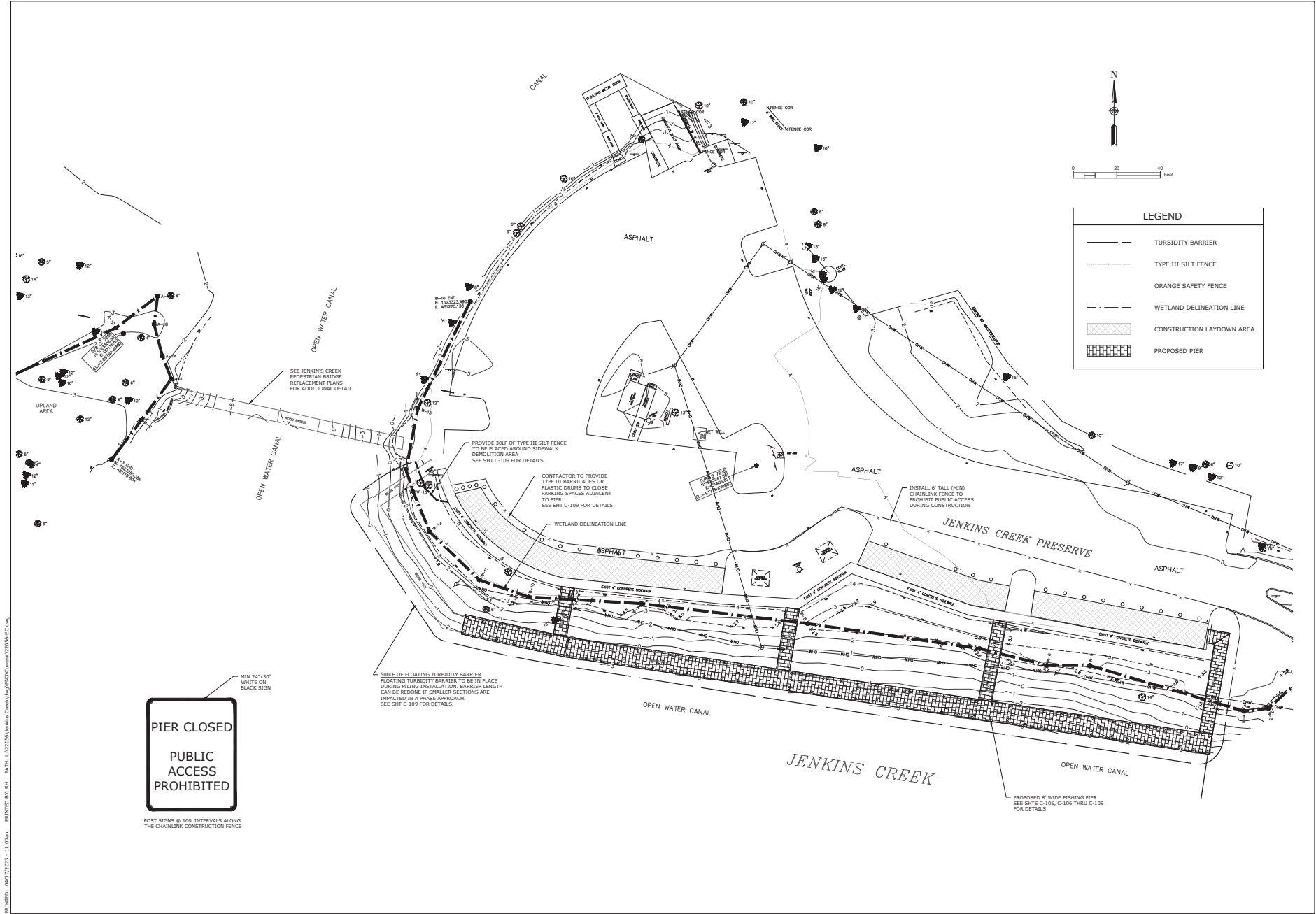
Coastal Engineering Associates, Inc. logo and contact information: 800 Coastal Boulevard - Brooksville, Florida 34601, (352) 794-4223 - Fax (352) 794-4359, EIC-0010742.

REUSE OF DOCUMENT: THIS DOCUMENT IS THE PROPERTY OF COASTAL ENGINEERING ASSOCIATES, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. WITHOUT THE WRITTEN PERMISSION OF COASTAL ENGINEERING ASSOCIATES, INC.

Table with 4 columns: DATE, SHEET, NO., REGION. Row 1: DATE, SHEET, NO., REGION.

GENERAL SURVEY NOTES
1. BEARINGS SHOWN HEREON BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE, NORTH AMERICAN DATUM OF 1983 (NAD 83), 2011 ADJUSTMENT. BEARINGS SHOWN HEREON ARE GROUND BEARINGS.
2. DESCRIPTION AS SHOWN HEREON WAS PROVIDED.
3. BASIS FOR SURVEY IS DESCRIPTION, RECORD PLAT, AND MONUMENTATION FOUND IN PLACE.
4. NO UNDERGROUND IMPROVEMENTS OR UTILITIES HAVE BEEN LOCATED EXCEPT AS NOTED. THE HORIZONTAL LOCATION OF UNDERGROUND IMPROVEMENTS IS BASED ON THE FLAGGED LOCATION PROVIDED BY THE CONTRACTOR. SOFT DISKS TO CONFIRM SAID LOCATIONS WERE NOT PERFORMED EXCEPT WHERE TOP OF PIPE ELEVATIONS ARE INDICATED.
5. THIS SURVEY IS OF VISIBLE FEATURES ONLY. UNDERGROUND ENCROACHMENTS, IF ANY, WERE NOT LOCATED. CUTTERS, OVERHANGS, WINDOW SILLS, OR UNDERGROUND FOUNDATIONS NOT LOCATED.
6. THE OWNERSHIP OF FINICES, IF ANY EXIST, ON OR NEAR THE PROPERTY LINES IS NOT KNOWN BY THIS SURVEYOR.
7. ADDITIONS, DELETIONS REPRODUCTION OF SURVEY DRAWINGS BY OTHER THAN THE SIGNED PARTY OR PARTIES IS PROHIBITED BY LAW WITHOUT WRITTEN CONSENT OF THE SIGNED PARTY OR PARTIES.
8. THIS SURVEY MAP IS VALID ONLY TO THOSE PERSONS OR ENTITIES NAMED HEREON, COASTAL ENGINEERING ASSOCIATES, INC. WILL ASSUME NO RESPONSIBILITY FOR THE UNAUTHORIZED REPRODUCTION AND/OR REDISTRIBUTION OF THIS SURVEY MAP.
9. ELEVATIONS AS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988, UNLESS OTHERWISE NOTED.
10. THIS SURVEY WAS CONDUCTED WITHOUT THE BENEFIT OF A COMPLETE TITLE REPORT OR TITLE ABSTRACT AND THEREFORE MAY NOT NECESSARILY SHOW ALL RIGHT-OF-WAYS, EASEMENTS OR OTHER ENCUMBRANCES OF RECORD.
11. THIS PROPERTY IS SUBJECT TO ANY DEDICATION, LIMITATIONS, RESERVATIONS, RESTRICTIONS, AND/OR EASEMENTS OF RECORD AND NOT OF RECORD.
12. THE EXPECTED USE OF THE PROPERTY AS DESCRIBED HEREON, AS CLASSIFIED IN THE STANDARDS OF PRACTICE (5A-17 OF THE FLORIDA ADMINISTRATIVE CODE), IS "SUBURBAN". THE MINIMUM RELATIVE DISTANCE ACCURACY FOR THIS TYPE OF BOUNDARY SURVEY IS 1 FOOT IN 1,200 FEET. THE ACCURACY OBTAINED BY MEASUREMENT AND CALCULATION OF A CLOSED GEOMETRIC FIGURE WAS FOUND TO MEET OR EXCEED THIS REQUIREMENT.
13. THE PROPERTY DESCRIBED HEREON APPEARS TO BE IN FLOOD ZONE "AE(1)S" (AREA DETERMINED TO FALL INSIDE OF A SPECIAL FLOOD HAZARD AREA) AS SCALED FROM THE FLOOD INSURANCE RATE MAP COMMUNITY NUMBER 120110, MAP NUMBER 12053C, PANEL NUMBER 0144-E, EFFECTIVE DATE 01/15/2021.

RIGHT-OF-WAY INFORMATION SHOWN HEREON WAS TAKEN FROM P.D.O.T. RIGHT-OF-WAY MAPS FOR S.R. ROAD #995 (SHOAL LINE BLVD.), SECTION #0810-3601, SHEET 2, DATED 03/10/1980, AND ALSO FROM SECTION #0818-101, SHEET 1, DATED 04/05/1986.
THIS RIGHT-OF-WAY INFORMATION IS ALSO BASED ON EXISTING MONUMENTATION FOUND ALONG THE WESTERLY RIGHT-OF-WAY LINE ON AND ADJACENT TO TIDEWATER COMMERCIAL CENTER TO THE SOUTH (P.B. 18, PG. 14), AND ALONG THE EASTERLY RIGHT-OF-WAY LINE ON WERKI WACHIE GARDENS TO THE NORTH (P.B. 6, PG. 19), SUBDIVISION PLATS RECORDED IN THE PUBLIC RECORDS OF HERNANDO COUNTY, FLORIDA.
NO OTHER RIGHT-OF-WAY MONUMENTATION WAS FOUND ALONG SHOAL LINE BLVD.



LEGEND	
	TURBIDITY BARRIER
	TYPE III SILT FENCE
	ORANGE SAFETY FENCE
	WETLAND DELINEATION LINE
	CONSTRUCTION LAYDOWN AREA
	PROPOSED PIER

EROSION CONTROL PLAN
JENKINS CREEK FISHING PIER REPLACEMENT

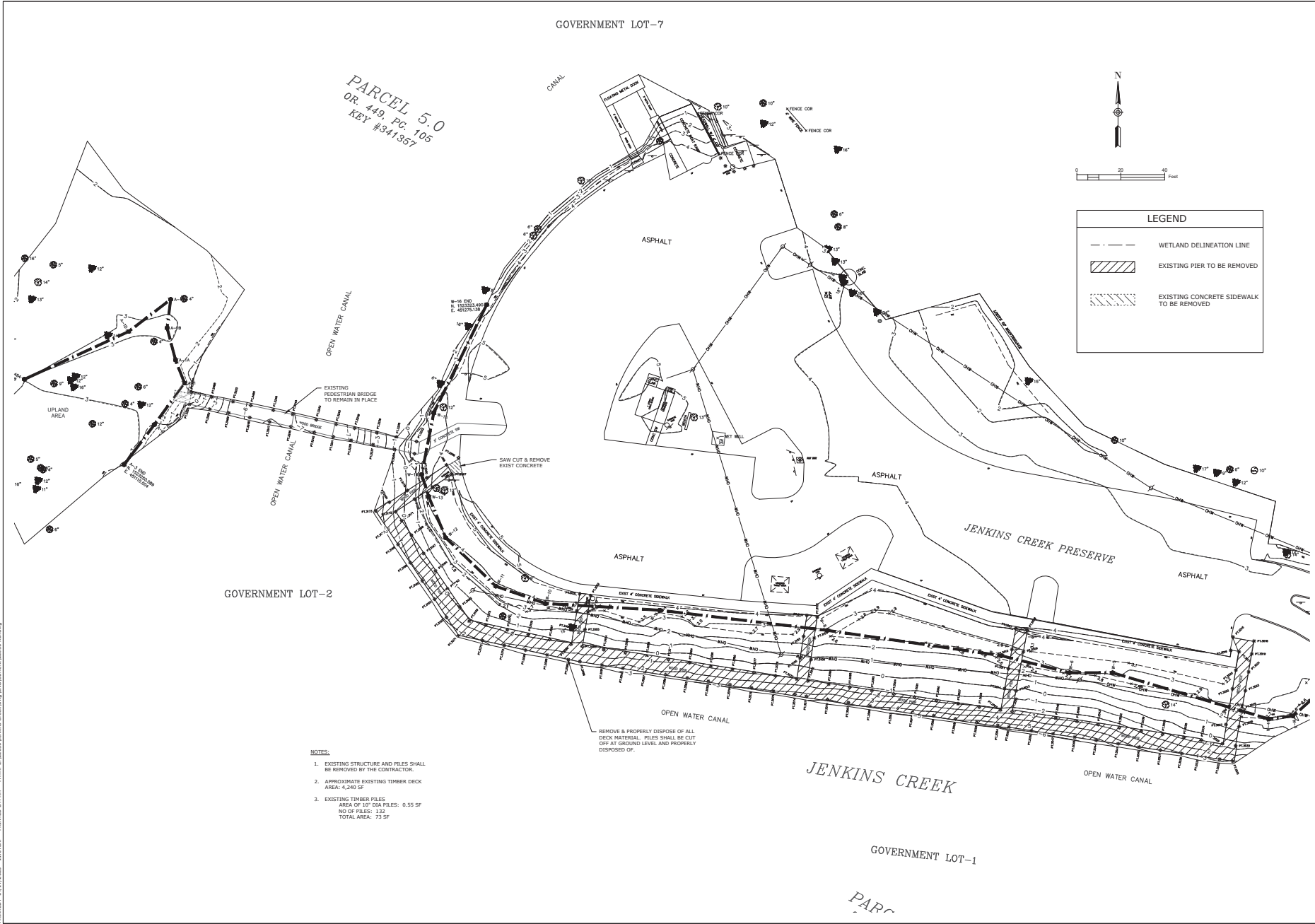


Coastal
 Engineering
 Associates, Inc.
 808 Cathedral Boulevard • Brooksville, Florida 34601
 (352) 796-4423 • Fax (352) 796-8359
 ECA0001742

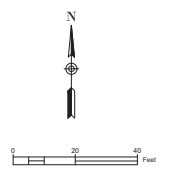
REUSE OF DOCUMENT
 THIS DOCUMENT, DRAWING OR DESIGN, IS THE PROPERTY OF COASTAL ENGINEERING ASSOCIATES, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF COASTAL ENGINEERING ASSOCIATES, INC.

DATE	REV. BY/REV. NO.	REVISION

PRINTED: 04/17/2023 - 11:07am PRINTED BY: B4I PATH: L:\22056\Jenkins_Creek\04\17\2023\C-103-94-EC.dwg



PARCEL 5.0
OR. 449, PG. 105
KEY #947357



LEGEND

- WETLAND DELINEATION LINE
- EXISTING PIER TO BE REMOVED
- EXISTING CONCRETE SIDEWALK TO BE REMOVED

SITE DEMOLITION PLAN
JENKINS CREEK FISHING PIER REPLACEMENT



Coastal
Engineering
Planning
Construction
Environmental
Management
800 Cathedral Boulevard • Brooksville, Florida 34601
(352) 796-4423 • Fax (352) 796-8359
EPC0001742

REUSE OF DOCUMENT
THIS DOCUMENT, IN WHOLE OR IN PART, IS THE PROPERTY OF COASTAL ENGINEERING ASSOCIATES, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF COASTAL ENGINEERING ASSOCIATES, INC.

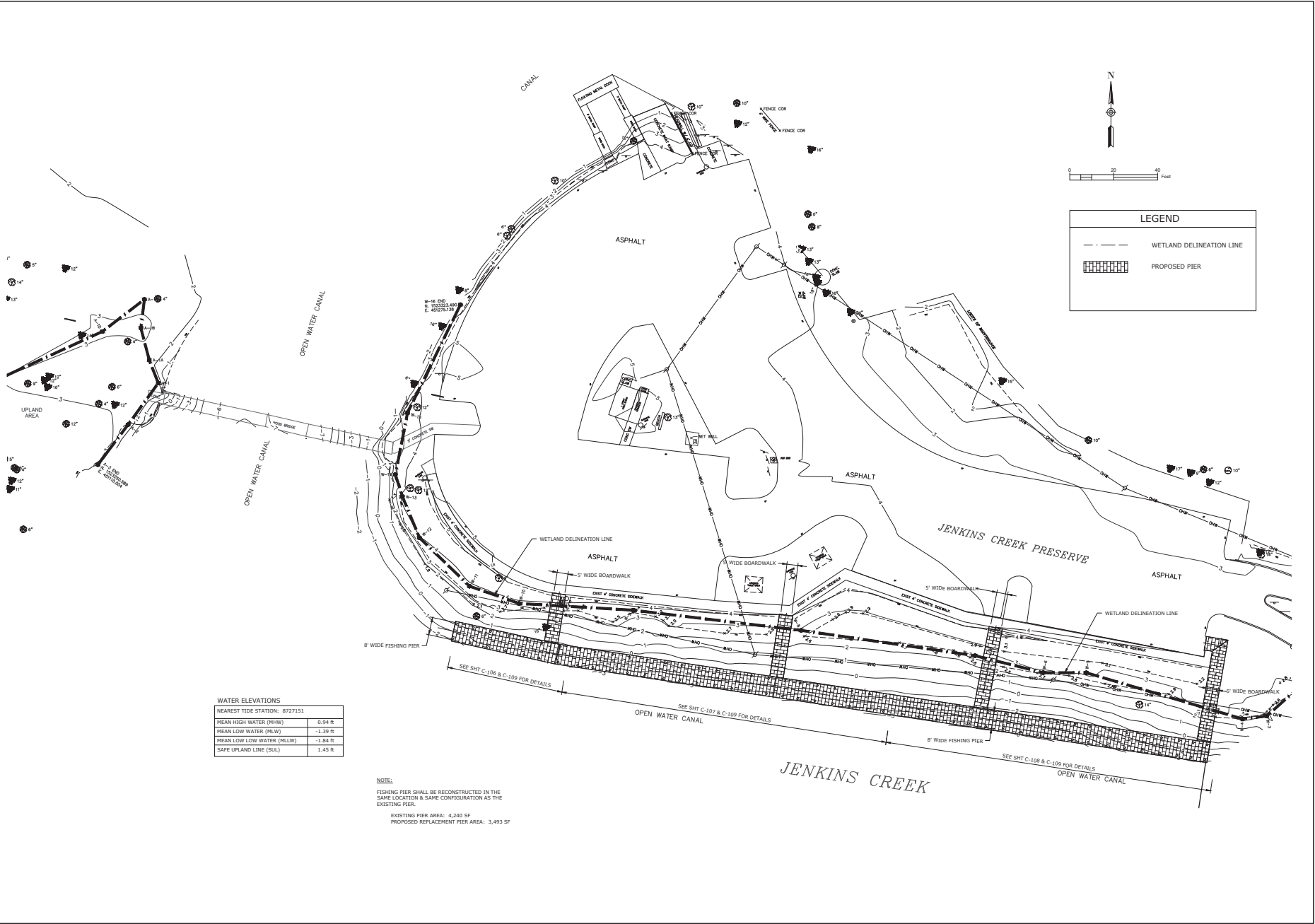
DATE	REV. BY/CHK. NO.	REVISION

WHEN PRINTED TO SCALE, DRAWING SIZE SHALL BE 27" x 34"
SHEET
C-104
JOB NO. 22056

- NOTES:**
- EXISTING STRUCTURE AND PILES SHALL BE REMOVED BY THE CONTRACTOR.
 - APPROXIMATE EXISTING TIMBER DECK AREA: 4,240 SF
 - EXISTING TIMBER PILES
AREA OF 10" DGA PILES: 0.55 SF
NO. OF PILES: 132
TOTAL AREA: 73 SF

REMOVE & PROPERLY DISPOSE OF ALL DECK MATERIAL. PILES SHALL BE CUT OFF AT GROUND LEVEL AND PROPERLY DISPOSED OF.

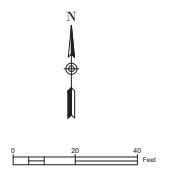
PRINTED: 04/17/2023 - 11:07am PATH: L:\22056\Jenkins_Creek\DWG\C-105-01.dwg



WATER ELEVATIONS

NEAREST TIDE STATION: 8727151	
MEAN HIGH WATER (MHW)	0.94 ft
MEAN LOW WATER (MLW)	-1.39 ft
MEAN LOW WATER (MLLW)	-1.84 ft
SAFE UPLAND LINE (SUL)	1.45 ft

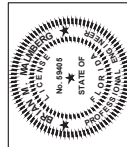
NOTE:
 FISHING PIER SHALL BE RECONSTRUCTED IN THE SAME LOCATION & SAME CONFIGURATION AS THE EXISTING PIER.
 EXISTING PIER AREA: 4,240 SF
 PROPOSED REPLACEMENT PIER AREA: 3,493 SF



LEGEND

- WETLAND DELINEATION LINE
- [Hatched Box] PROPOSED PIER

OVERALL SITE PLAN
JENKINS CREEK FISHING PIER REPLACEMENT

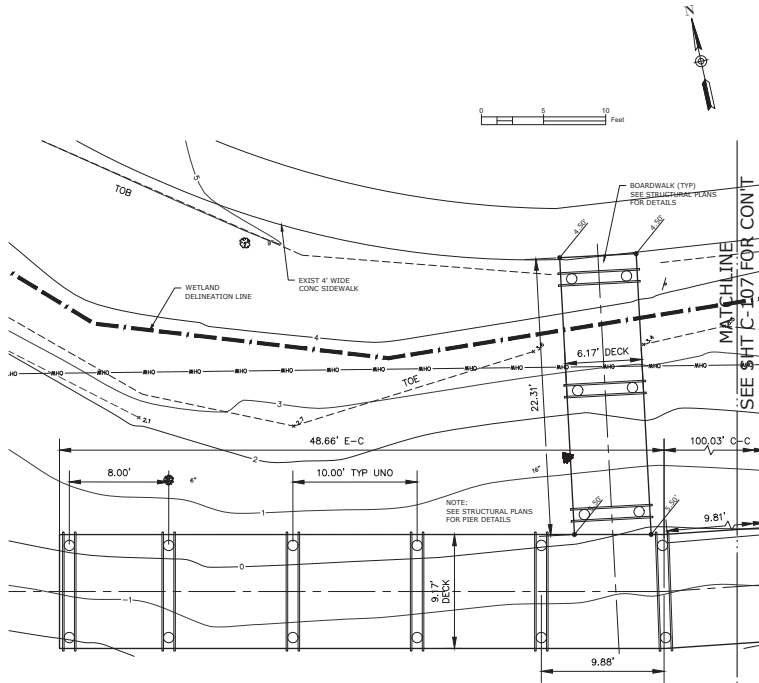


Coastal
 ENGINEERING ASSOCIATES, INC.
 888 Cathedral Boulevard • Brooksville, Florida 34601
 (352) 796-4423 • Fax (352) 796-8359
 EIC-000742

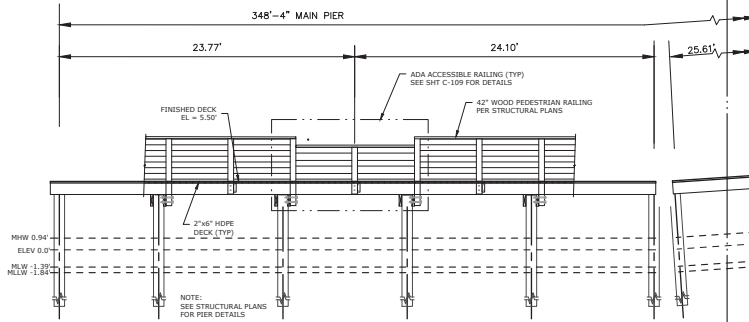
REUSE OF DOCUMENT
 THIS DOCUMENT, DRAWING OR THE INFORMATION HEREIN IS THE PROPERTY OF COASTAL ENGINEERING ASSOCIATES, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF COASTAL ENGINEERING ASSOCIATES, INC.

DATE	REV. BY/CHK. NO.	REVISION

WHEN PRINTED TO SCALE, DRAWING SIZE SHALL BE 27" x 34".
SHEET
C-105
 JOB NO. 22056

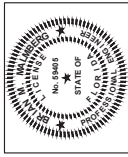


PLAN



ELEVATION

FISHING PIER PLAN & PROFILE
JENKINS CREEK FISHING PIER REPLACEMENT

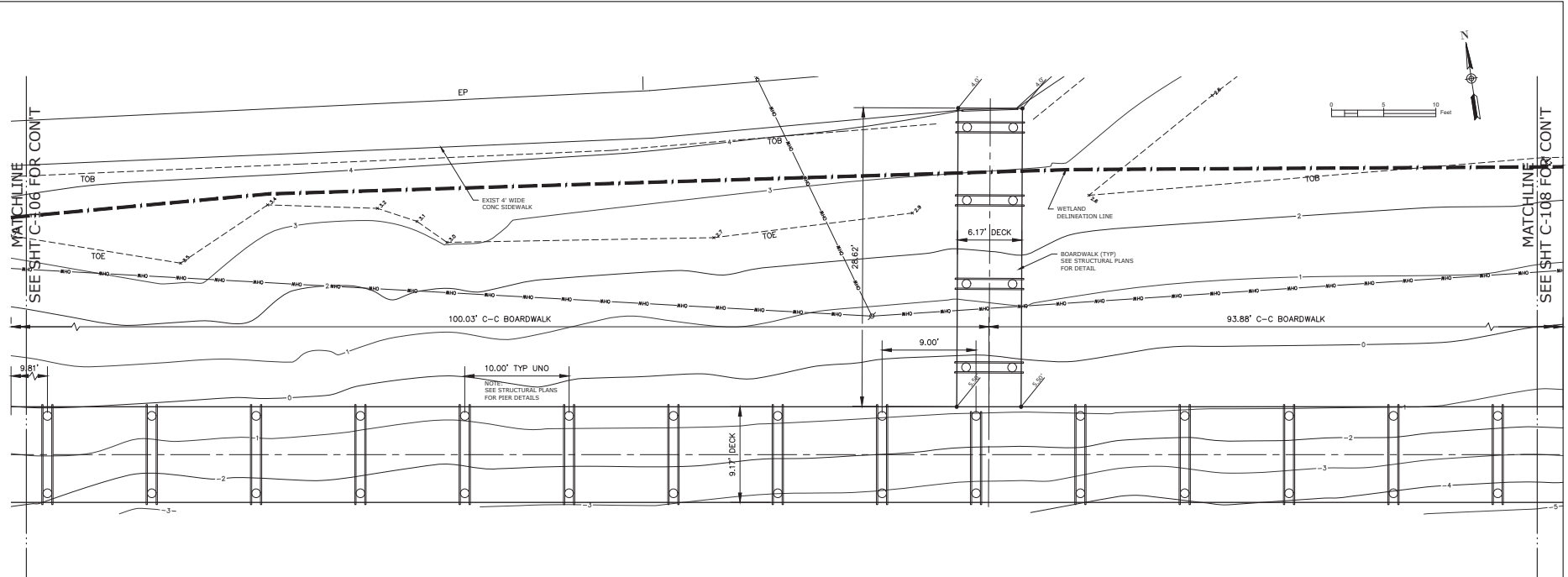


Coastal
 Engineering
 Associates, Inc.
 34101
 11001 Trade Park - Raleigh, NC 27615
 919.877.7900
 www.coastaleng.com
 EP-0001142

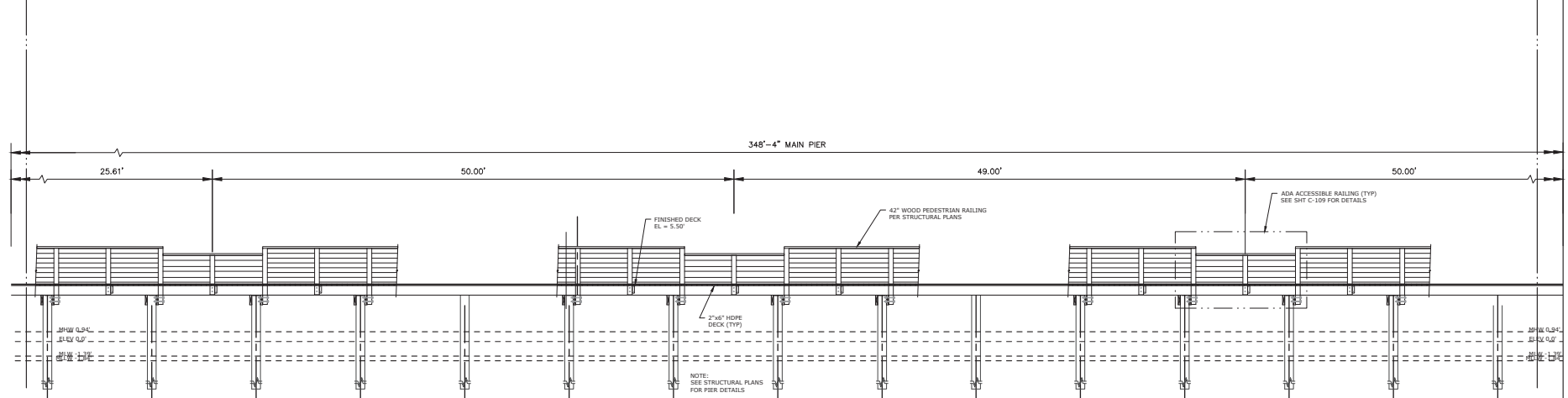
REUSE OF DOCUMENT
 THIS DOCUMENT IS THE PROPERTY OF COASTAL ENGINEERING ASSOCIATES, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF COASTAL ENGINEERING ASSOCIATES, INC.
 DRAWING SHALL UNLESS SHOWN, DATED & SIGNED BY REGISTERED PROFESSIONAL

DATE	REV. BY/CHK. NO.	REASON

PRINTED: 04/17/2023 - 11:08am PRINTED BY: B4 PATH: L:\22056 Jenkins Creek\Map\BMD\Comment\22056.PPP.dwg

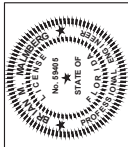


PLAN



ELEVATION

FISHING PIER PLAN & PROFILE
JENKINS CREEK FISHING PIER
REPLACEMENT



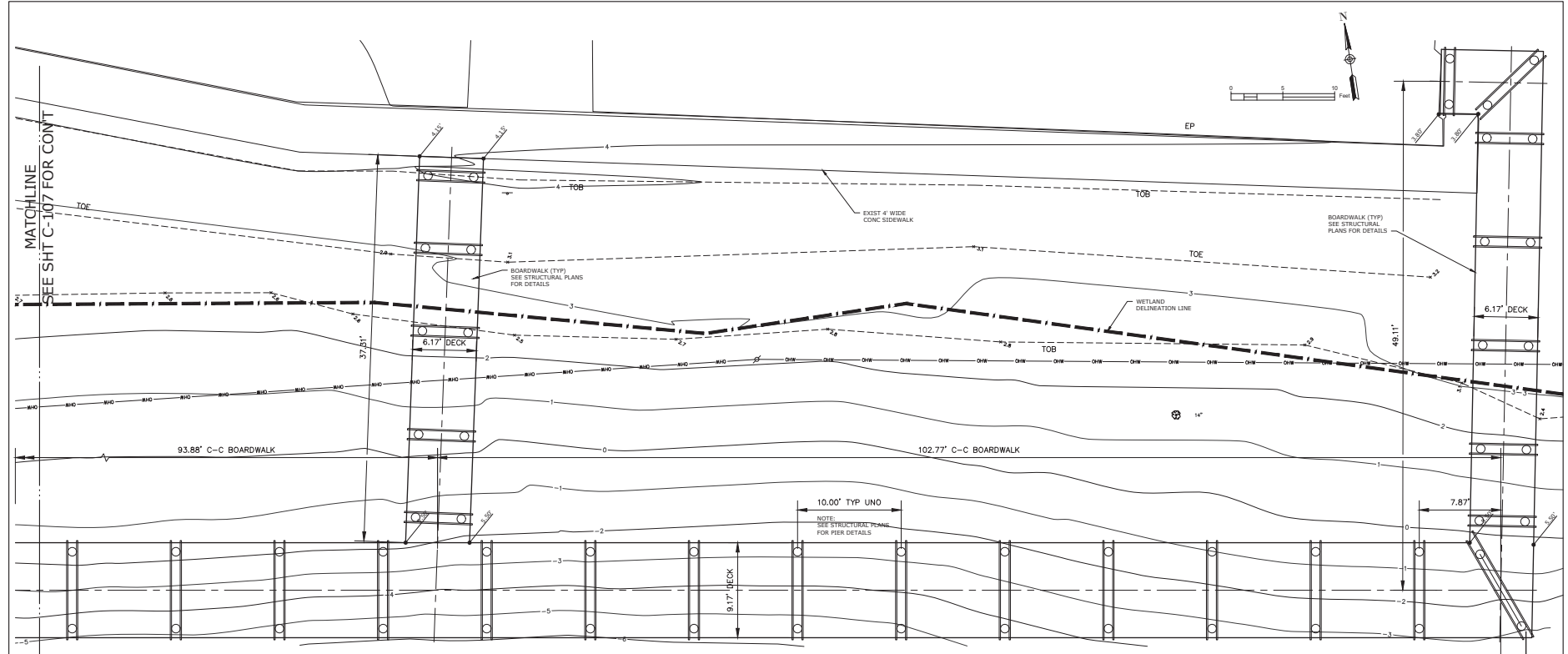
Coastal
Engineering
Surveying
Geotechnical
Environmental
Engineering Associates, Inc.
3401
11001 Tradepark - Raleigh, NC 27615
919.877.7800 FAX 919.877.7800
EP-0001142

REUSE OF DOCUMENT
THIS DOCUMENT IS THE PROPERTY OF THE ENGINEER AND ARCHITECT. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. ANY OTHER USE, IN WHOLE OR IN PART, WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER AND ARCHITECT IS PROHIBITED.
DRAWING SHALL UNLESS SHOWN, DATED AND SIGNED BY REGISTERED PROFESSIONAL

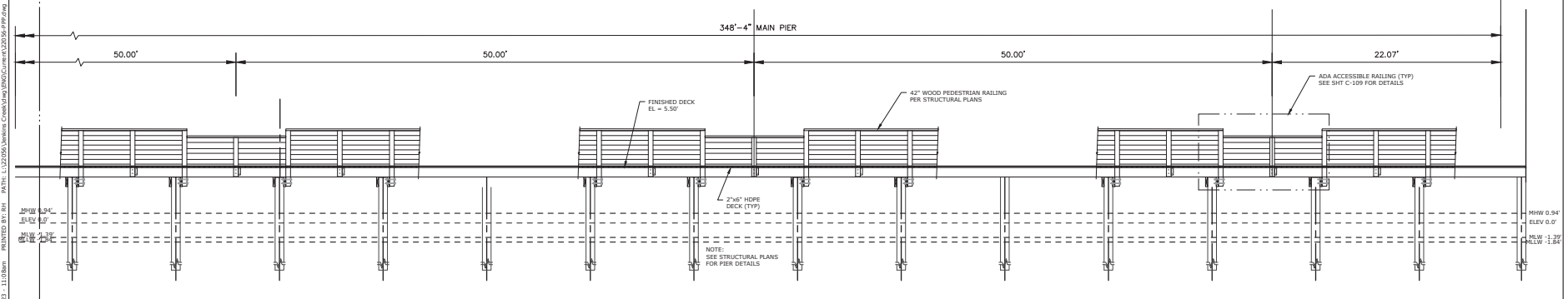
DATE	REV. BY/CHK. NO.	REASON

SHEET
C-107

22056



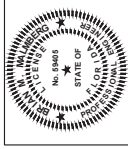
PLAN



ELEVATION

PRINTED: 04/17/2024 - 11:08am PRINTED BY: B4 PATH: L:\2024\Jenkins Creek\Map\300\300.dwg

FISHING PIER PLAN & PROFILE
JENKINS CREEK FISHING PIER REPLACEMENT



Coastal
 Engineering
 Associates, Inc.
 906 Condemned Building - Raleigh, NC 27601
 (919) 786-9423 • Fax: (919) 786-4358
 EP-0001142

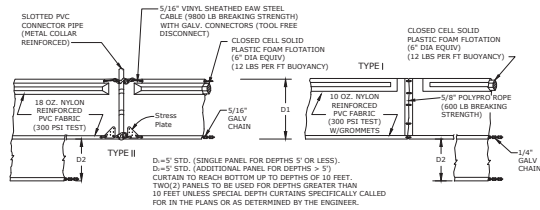
REUSE OF DOCUMENT
 THIS DOCUMENT IS THE PROPERTY OF COASTAL ENGINEERING ASSOCIATES, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF COASTAL ENGINEERING ASSOCIATES, INC.
 DRAWING SHALL UNLESS SHOWN, DATED & SIGNED BY REGISTERED PROFESSIONAL

DATE	REV. BY/CHK. NO.	REVISION

SHEET
C-108
 22056

WHEN PRINTED TO SCALE, DRAWING SIZE SHALL BE 22" x 34"

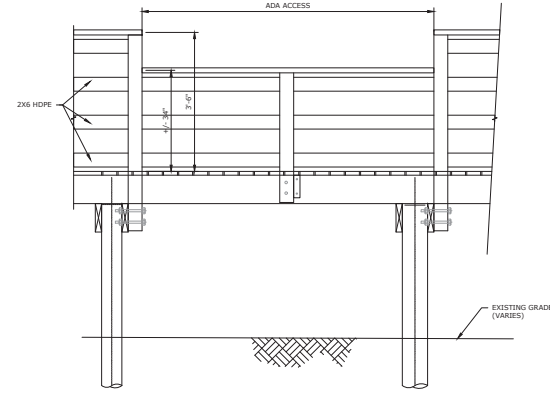
PRINTED: 04/17/2023 - 11:08am
 PLOT: L:\22053\Jenkins_Creek_Fishing_Pier_Replacement\DWG\Civil\22053-07.dwg



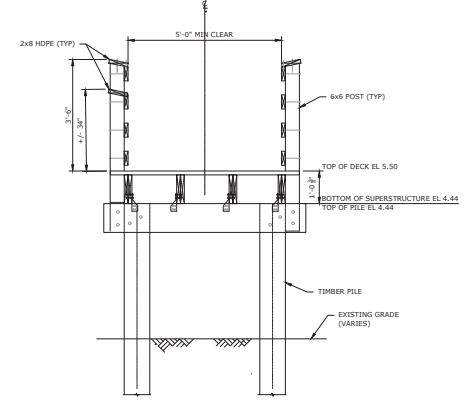
TYPE I
 D=5' STD. (SINGLE PANEL FOR DEPTHS 5' OR LESS).
 D=5' STD. (ADDITIONAL PANEL FOR DEPTHS > 5')
 CURTAIN TO REACH BOTTOM UP TO DEPTHS OF 10 FEET.
 TWO(2) PANELS TO BE USED FOR DEPTHS GREATER THAN
 10 FEET UNLESS SPECIAL DEPTH CURTAINS SPECIFICALLY CALLED
 FOR IN THE PLANS OR AS DETERMINED BY THE ENGINEER.

NOTICE: COMPONENTS OF TYPE I AND II MAY BE SIMILAR OR IDENTICAL
 TO PROPRIETARY DESIGNS. ANY INFINGEMENT OF THE PROPRIETARY
 RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE
 USER. SUBSTITUTIONS FOR TYPE I AND II SHALL BE AS APPROVED BY
 THE ENGINEER.

FLOATING TURBIDITY BARRIERS
N. T. S.



ADA ACCESS ELEVATION
N. T. S.

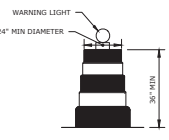


SECTION AT ADA ACCESS
N. T. S.

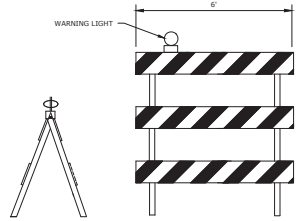


TYPE III SILT FENCE
N. T. S.

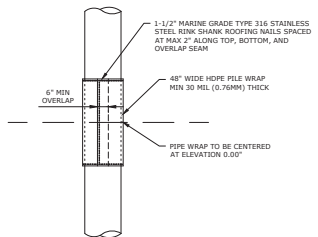
NOTES:
 1. FOR ADDITIONAL INFORMATION AND DETAILS, SEE F.D.E.P. BMP STANDARDS.
 2. UNLESS SPECIFIED, HWY BARRIERS MAY BE USED IN LBS OF SILT FENCES.
 3. ADDITIONAL POSTS AND RAILS MAY BE NECESSARY TO SECURE AND SUPPORT BARRIERS.
 4. ADDITIONAL FENCE LENGTHS MAY BE REQUIRED BY THE ENGINEER OR BY REGULATORY AGENCIES.
 5. DO NOT DEPLOY IN A MANNER THAT SILT FENCES WILL ACT AS A DAM ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE USED AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT BODIES OF WATER.



STEEL DRUMS NOT PERMITTED
PLASTIC DRUMS
 N. T. S.



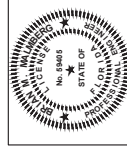
TYPE III BARRICADE
N. T. S.



NOTES:
 1. FILE WRAP TO BE INSTALLED ON ALL NEW PILES.
 2. FILE WRAP TO BE 48\"/>

PIPE WRAP DETAIL
INCLUDE AS BID ALTERNATE ITEM

CIVIL DETAILS
JENKINS CREEK FISHING PIER REPLACEMENT



Coastal
 Engineering
 Planning
 Environmental
 Construction Management
 808 Constitution Boulevard • Brooksville • Florida 34601
 (352) 794-1423 • Fax (352) 794-8359
 EC-0000742

REUSE OF DOCUMENT
 THIS DOCUMENT, DRAWING OR THE INFORMATION HEREIN IS THE PROPERTY OF COASTAL ENGINEERING ASSOCIATES, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF COASTAL ENGINEERING ASSOCIATES, INC.

DATE	REV. BY/REV. NO.	REVISION

WHEN PRINTED TO SCALE, DRAWING SIZE SHALL BE 27" x 34"

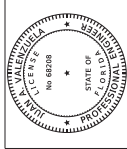
GENERAL NOTES:

1. DESIGN SPECIFICATIONS:
 - A. FLORIDA DEPARTMENT OF TRANSPORTATION STRUCTURES MANUAL DATED JANUARY 2022.
 - B. AASHTO LRFD SPECIFICATION FOR HIGHWAY BRIDGES, 9TH EDITION IN CONJUNCTION WITH AASHTO LRFD GUIDE SPECIFICATION FOR DESIGN OF PEDESTRIAN BRIDGES, 2009 EDITION.
 2. GOVERNING STANDARDS AND CONSTRUCTION SPECIFICATIONS:
 - A. FLORIDA DEPARTMENT OF TRANSPORTATION FY 2023-24 STANDARD PLANS AND REVISED INDEX DRAWINGS AS APPENDED HEREIN, AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, FY 2023-24 AS AMENDED BY CONTRACT DOCUMENTS.
 3. DESIGN METHODOLOGY:
 - A. DESIGN TIMBER IN ACCORDANCE WITH THE LRFD METHOD.
 4. DESIGN LOADINGS:
 - A. PEDESTRIAN LIVE LOAD = 80 PSF IN ACCORDANCE WITH THE LRFD GUIDE FOR PEDESTRIAN BRIDGES.
 - B. DESIGN DEAD LOADS: WEIGHT OF TIMBER = 40 PCF
 HAK WEIGHT OF HDPE = 47 PCF (ASTM D6133)
 - C. NO ALLOWANCE FOR UTILITIES HAS BEEN INCLUDED IN THE DESIGN.
 5. MATERIALS AND FABRICATION:
 - A. BOARDWALK AND RAILING (HORIZONTALS) MUST BE HIGH DENSITY POLYETHYLENE (HDPE) WITH A MINIMUM 50 YEAR DESIGN LIFE WITH THE FOLLOWING MINIMUM PROPERTIES (ASTM D6100):
 - 1) ALLOWABLE FLEXURAL STRESS = 1,200 PSI
 - 2) MODULUS OF ELASTICITY = 114,000 PSI
 - B. ALL LUMBER MUST BE CUT AND FABRICATED PRIOR TO PRESSURE TREATMENT WITH PRESERVATIVES.
 - C. ALL LUMBER MUST BE TREATED IN ACCORDANCE WITH SPECIFICATION SECTION 955.
 - D. ALL LUMBER MUST BE VISUALLY GRADED NO. 1 DENSE OR BETTER SOUTHERN PINE DIMENSION LUMBER MEETING THE REQUIREMENTS OF THE AMERICAN SOFTWOOD LUMBER STANDARDS, 1923-70, AS SPECIFIED IN THE TABLE BELOW:

DIMENSION OF SAWN SOUTHERN PINE LUMBER AND HDPE						
SURFACE	THICKNESS (IN)			WIDTH (IN)		
NOMINAL	2	3	4	6	8	10 12
ACTUAL	1 1/2	2 1/2	3 1/2	5 1/2	7 1/4	9 1/4 11 1/4
 - E. VARIATIONS IN DEPTH BETWEEN STRINGERS MUST NOT EXCEED 1/8 IN. SO AS TO PROVIDE A FLAT SURFACE.
 - F. MOISTURE CONTENT OF LUMBER 4 IN. OR LESS IN NOMINAL THICKNESS MUST BE 19 PERCENT OR LESS.
 - G. MAXIMUM DEFLECTION DUE TO LIVE LOAD FOR HORIZONTAL LUMBER COMPONENTS IS LIMITED TO A VALUE EQUAL TO SPAN/300.
 - H. SPLICES OF JOISTS MUST BE MADE OVER SUPPORTS.
 - I. BOARDWALK DECKING SPLICES ARE NOT PERMITTED.
 - J. FOR VERTICAL AND HORIZONTAL ALIGNMENT REFER TO PATHWAY PLANS. VERIFY ALL DIMENSIONS BEFORE CONSTRUCTION.
 - K. TIMBER BOARDWALK SUBSTRUCTURE AND PILE FOUNDATIONS MUST CONFORM TO SPECIFICATIONS SECTION 951 THRU 954.
6. CONNECTORS:
 - A. USE BOLTS OR SCREWS, AS SHOWN, FOR ASSEMBLY ON THE BOARDWALK. ALL BOLT ASSEMBLIES MUST HAVE WASHERS UNDER BOTH THE BOLT HEAD AND NUTS. SCREWS MUST BE COUNTERSINK AND INSTALLED IN HOLES DRILLED WITH A COUNTERSINK DRILL BIT. NAILS MAY ONLY BE USED FOR PRE-ASSEMBLY AS SHOWN. ALL BOLTS, NUTS, WASHERS, SCREWS AND NAILS MUST BE STAINLESS-STEEL TYPE 316. STAINLESS-STEEL BOLTS, AND SCREWS MUST MEET ASTM F593. NUTS MUST MEET ASTM F594.
 7. TIMBER PILING NOTES:
 - A. THE TIMBER PILES MUST BE ASTM D-25 WITH A MINIMUM TIP DIAMETER OF 10 INCHES.
 - B. VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO DRIVING ANY PILES. NOTIFY ALL INVOLVED UTILITY COMPANIES PRIOR TO EVALUATING PILE DRIVING OR CONSTRUCTION AND ASSURE THAT UTILITIES ARE MAINTAINED AND PROTECTED AGAINST DAMAGE DURING CONSTRUCTION.
 - C. ALL PILES SHALL BE DRIVEN. NO JETTING IS ALLOWED WITHOUT APPROVAL OF THE ENGINEER.
 - D. ESTABLISH PILE DRIVING CRITERIA BASED ON LOADS AND HAMMER CHARACTERISTICS.
 - E. SELECT APPROPRIATE HAMMER TO ACHIEVE THE REQUIRED RESISTANCE AND EMBEDMENTS SHOWN IN THE PLAN AND SUBMIT A PILE INSTALLATION PLAN PRIOR TO MOBILIZATION.
 - F. THE FACTORED PILE DESIGN LOAD IS 2.5 TIMES FOR FINAL BEARING. THE NOMINAL BEARING RESISTANCE IS 5.4 TONS BASED ON A RESISTANCE FACTOR OF 0.65. THE TIMBER PILES MUST BE DRIVEN IN ACCORDANCE WITH SPECIFICATION 455. WAVE EQUATION ANALYSIS MUST BE PERFORMED TO DETERMINE THE DYNAMIC CAPACITY OF THE TIMBER PILES, BASED ON THE HAMMER TYPE, CUSHION AND DESIGN LOADS BEFORE PILE DRIVING COMMENCES. THE USE OF ENGINEERING HEAVE FORMULA WILL NOT BE ACCEPTED. PROVIDE THIS INFORMATION FOR REVIEW BY THE ENGINEER IN ADVANCE OF PILE DRIVING.
 - G. THE PILES MUST BE INSTALLED USING APPROPRIATE EQUIPMENT TO ALLOW DRIVING TO THE REQUIRED BEARING DEPTHS AND TO LIMIT DRIVING STRESSES WITHIN THE PILES. PER NAVAL FACILITIES ENGINEERING COMMAND (NAVFAC) DESIGN MANUAL 7, THE MAXIMUM DRIVING ENERGY FOR TIMBER PILES SHOULD BE LIMITED TO 20,000 FOOT-POUNDS.
 - H. PILE EMBEDMENT DEPTHS MUST BE DETERMINED BY PILE BEARING REQUIREMENTS, OR MINIMUM EMBEDMENT REQUIRED. PILE DRIVING MUST BE AS CONTINUOUS AS POSSIBLE AND PROCEED WITHOUT STOPPING OVER AT LEAST 8 FEET OF PENETRATION.
 - I. PILES MUST BE DRIVEN WITH HEAVY METAL STRAPPING AT THE PILE HEAD. PILES THAT HAVE SPLITTING OR BRODDING MUST BE CUT BACK TO SOLID WOOD BEFORE FINAL RESISTANCE IS MEASURED. FRESH CUT AND SCARS MUST BE COATED WITH A GENEROUS APPLICATION OF PRESERVATIVE.
 - J. PILES MUST BE DRIVEN PLUMB.
 - K. TIMBER PILES MUST BE SOUTHERN PINE LUMBER RANKING GRADE IN ACCORDANCE WITH AMERICAN WOOD PRESERVERS ASSOCIATION (AWPA) CATEGORY USCC, AND SOUTHERN PINE INSPECTION BUREAU (SPIB) STANDARD GRADING RULES FOR SOUTHERN PINE LUMBER. TIMBER TO BE TREATED TO 25 POUNDS PER CUBIC FOOT RETENTION OF CCA, IN ACCORDANCE WITH ASTM D25.
 - L. ENSURE THAT THE MAXIMUM PILE COMPRESSION AND TENSILE STRESSES MEASURED DURING DRIVING ARE NO GREATER THAN 20 KSI FOR SOUTHERN PINE AND PACIFIC COAST DOUGLAS FIR AND 1/8 OF THE ULTIMATE PARALLEL TO THE GRAIN STRENGTH FOR PILES OF OTHER WOOD IN ACCORDANCE WITH SECTION 14.10 OF THE SPECIFICATIONS.

GENERAL NOTES SHEET

JENKIN'S CREEK
FISHING PIER REPLACEMENT



ENGINEER OF RECORD

JUAN A. VALENZUELA, P.E.
LICENSE NO. 68208
FLORIDA BOARD OF PROFESSIONAL ENGINEERS
633 DARTMOUTH STREET
ORLANDO, FL 32804

THIS DOCUMENT, COMPRISED OF THE INFORMATION CONTAINED HEREIN, IS THE PROPERTY OF COASTAL ENGINEERING ASSOCIATES, INC. IT IS TO BE USED ONLY IN CONNECTION WITH THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. ANY REUSE OR MODIFICATION OF THIS DOCUMENT WITHOUT THE WRITTEN AUTHORIZATION OF COASTAL ENGINEERING ASSOCIATES, INC. IS STRICTLY PROHIBITED AND SHALL BE CONSIDERED A VIOLATION OF PROFESSIONAL ETHICS.

DATE	REV	BY	REVISED	REVISION

SHEET

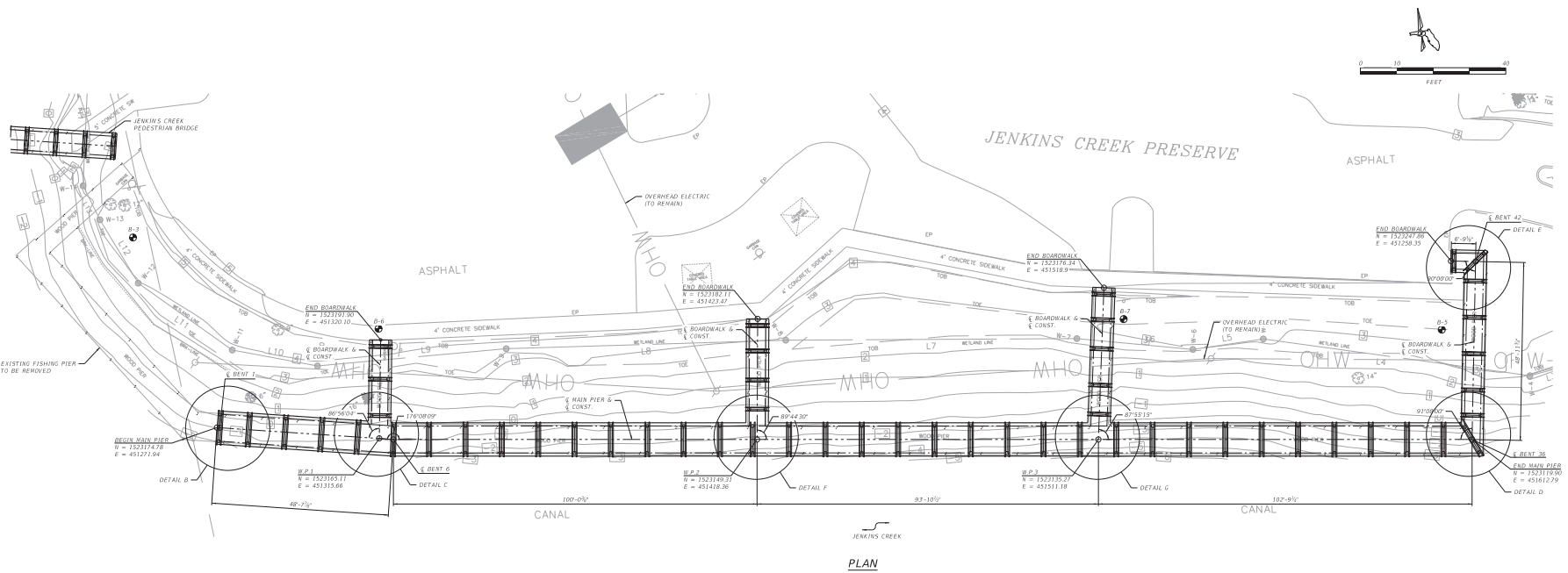
B2-1

WHEN PRINTED TO SCALE, DRAWING SIZE SHALL BE 27" X 34"

22056

PRINTED: 01/12/2023 4:25:38 PM PRINTED BY: BJB/ham

PATH:\A\PROJECTS\2022\22-04 Jenkins Creek Boardwalk Coastal Egm\B2-2\22-04 Jenkins Creek Boardwalk Coastal Egm\B2-2\22-04 Jenkins Creek Boardwalk Coastal Egm\B2-2.dwg



PLAN

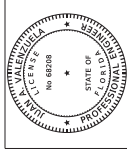
NOTES:

1. SEE TABLE ON SHEET B2-5 FOR BENT LOCATIONS.
2. FOR DETAILS B THRU G SEE SHEETS B2-9 AND B2-10.

LEGEND:

- APPROXIMATE LOCATION OF SPT BOUND

PLAN
JENKINS CREEK
FISHING PIER REPLACEMENT



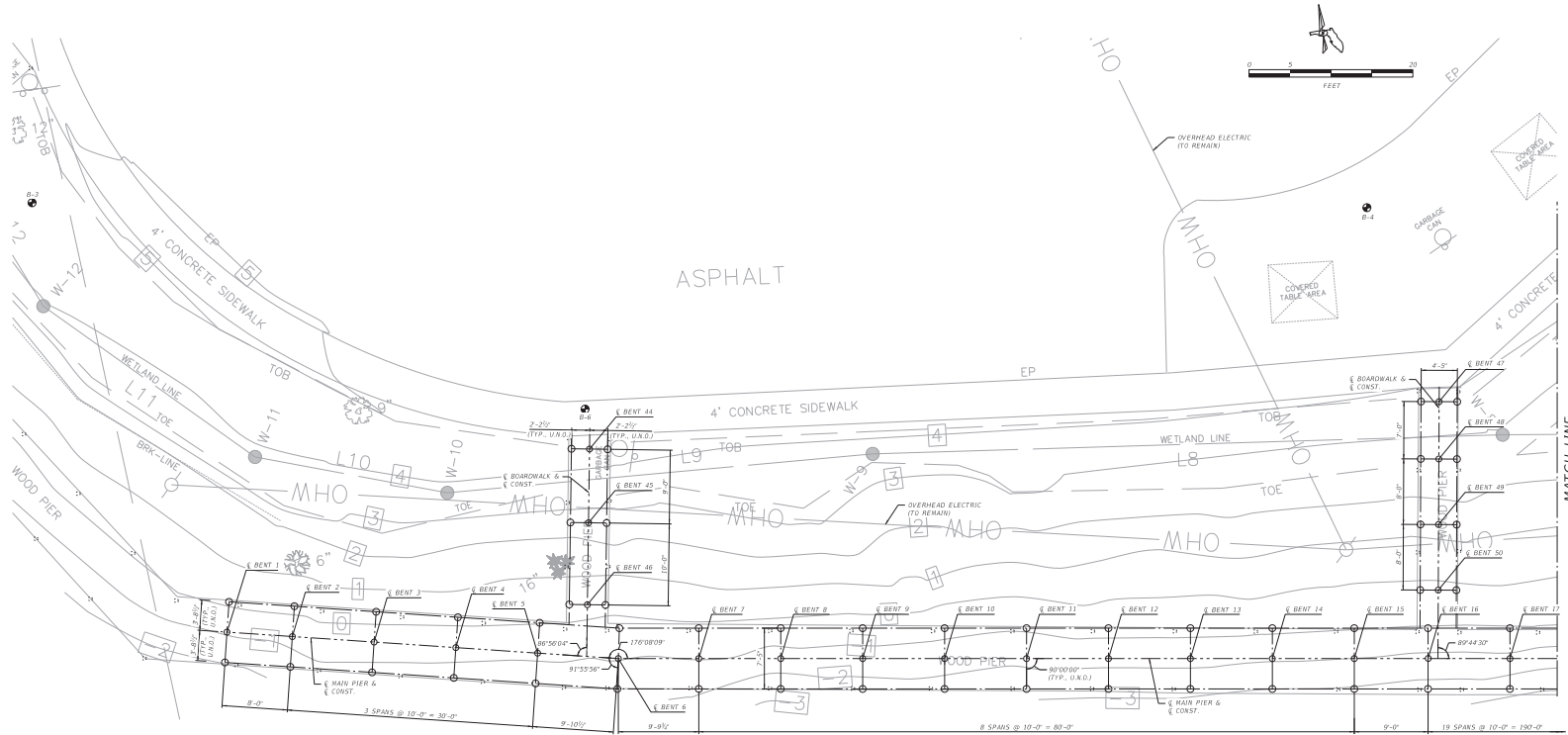
ENGINEER OF RECORD
JUAN A. VALENZUELA, P.E.
LICENSED PROFESSIONAL ENGINEER
633 DARTMOUTH STREET
ORLANDO, FL 32804

REUSE OF DOCUMENT
THIS DOCUMENT, COMPRISED OF THE
INFORMATION, DESIGN, DRAWINGS,
AS AN INSTRUMENT OF WORK,
PROPERTY OF COASTAL ENGINEERING
ASSOCIATES, INC. IS TO BE USED
ONLY IN WALK OR IN PART FOR
THE PROJECT AND SITE SPECIFICALLY
IDENTIFIED IN WRITING BY COASTAL
ENGINEERING ASSOCIATES, INC.
ANY REUSE OF THIS DOCUMENT IS
FORBIDDEN BY THE PROFESSIONAL
ENGINEER'S SEAL.

DATE	REV.	BY	REV. NO.	REVISION

WHEN PRINTED TO SCALE, DRAWING SIZE SHALL BE 27" X 34".
SHEET
B2-2
22056

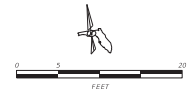
PRINTED: 11/12/2023 4:25:38 PM PRINTED BY: BJB/ibans PATH:\A\PROJECTS\2023\23-04_Jenkins_Creek_Replacement\Drawings\B2Foundation.dwg



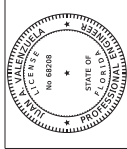
PLAN

NOTES:
 1. SEE TABLE ON SHEET B2-5 FOR BENT LOCATIONS.
 2. ALL EXISTING PILES TO BE CUTOFF 2'-0" BELOW EXISTING GROUND.

LEGEND:
 ○ PROPOSED 10" MIN. TIP TIMBER PILE
 ◻ EXISTING TIMBER PILE
 ● APPROXIMATE LOCATION OF SPT WORKING



FOUNDATION LAYOUT (1 OF 3)
 JENKIN'S CREEK
 FISHING PIER REPLACEMENT



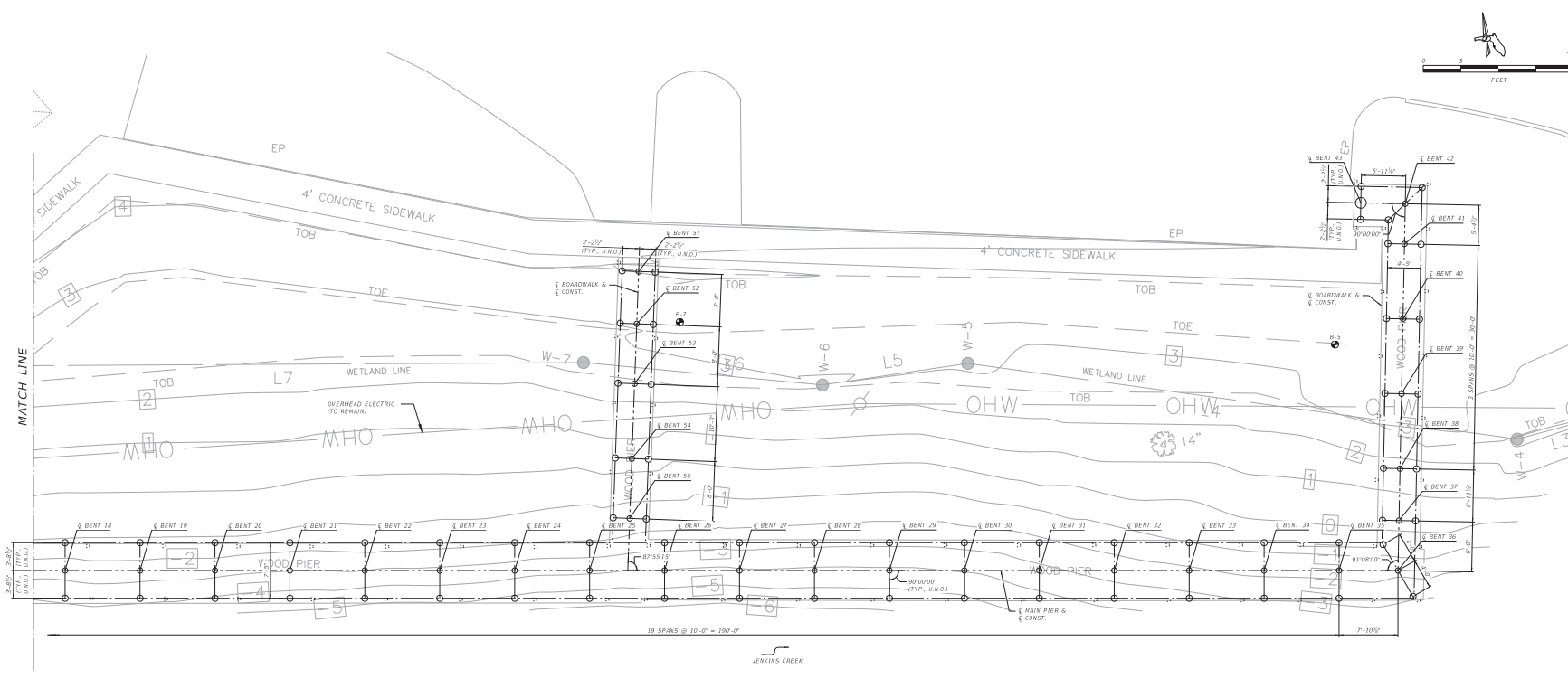
ENGINEER OF RECORD
 JUAN A. VALENZUELA, P.E.
 11001 WINDYBROOK DRIVE
 FLEMING BOULEVARD
 633 DARTMOUTH STREET
 ORLANDO, FL 32804

REUSE OF DOCUMENT
 THIS DOCUMENT, COMPRISED OF THE
 INFORMATION, AND ANY INSTRUMENT
 OF WORK, IS THE PROPERTY OF
 JENKIN'S TRANSPORTATION, INC.
 AND IS TO BE USED ONLY FOR THE
 PROJECT AND SITE SPECIFICALLY
 IDENTIFIED HEREON. ANY REUSE
 OF THIS DOCUMENT FOR ANY OTHER
 PROJECT WITHOUT THE WRITTEN
 AUTHORIZATION OF JENKIN'S
 TRANSPORTATION, INC. IS
 PROHIBITED.
 © 2023 BY JENKIN'S TRANSPORTATION, INC.

DATE	REV	BY/REV	NO.	REVISION

SHEET
B2-3
 22056

PRINTED: 11/12/2023 4:25:39 PM PRINTED BY: BJB/hamt
 PATH: \\P:\PROJECTS\22052-22-04_Jenkins_Creek_Boardwalk_Contract_Engn\B2-4 Foundation\B2Foundation.dwg

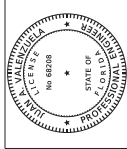


PLAN

NOTES:
 1. SEE TABLE ON SHEET B2-5 FOR BENT LOCATIONS.
 2. ALL EXISTING PILES TO BE CUTOFF 2'-0" BELOW EXISTING GROUND.

LEGEND:
 ○ PROPOSED 10" MIN. TIP TIMBER PILE
 ⊕ EXISTING TIMBER PILE
 ● APPROXIMATE LOCATION OF SPT BOWING

FOUNDATION LAYOUT (2 OF 3)
 JENKIN'S CREEK
 FISHING PIER REPLACEMENT



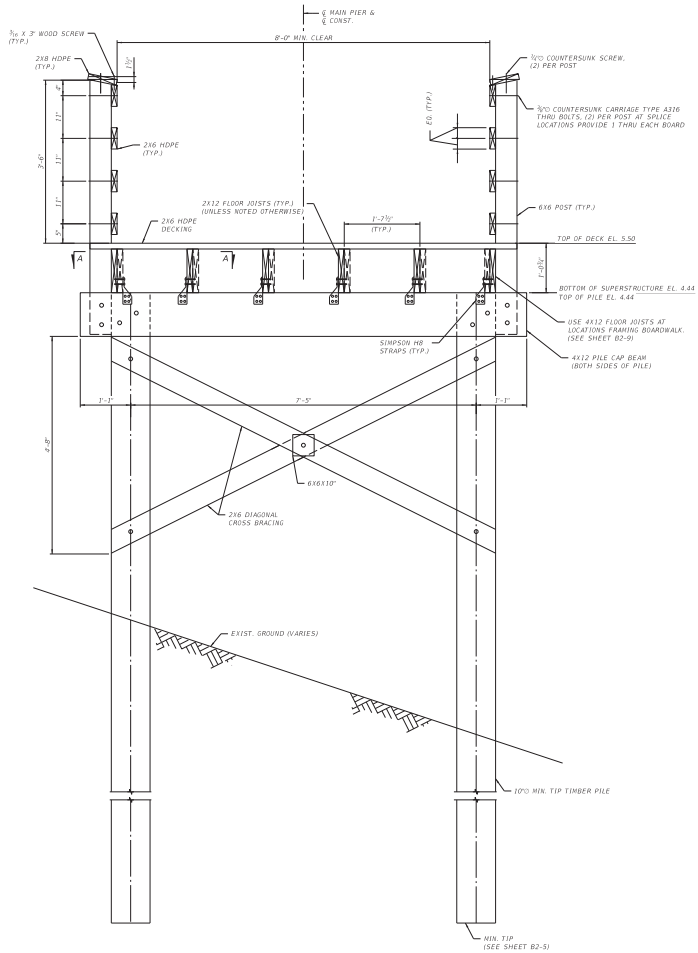
ENGINEER OF RECORD
 JUAN A. VALENZUELA, P.E.
 LICENSE NUMBER: 68208
 FLEMING BROTHERS TRANSPORTATION, INC.
 633 DARTMOUTH STREET
 ORLANDO, FL 32804

REUSE OF DOCUMENT
 THIS DOCUMENT, COMPRISED OF THE INFORMATION CONTAINED HEREIN, IS THE PROPERTY OF FLEMING BROTHERS TRANSPORTATION, INC. AND IS TO BE USED ONLY IN CONNECTION WITH THE PROJECT AND SITE SPECIFICALLY IDENTIFIED IN THE WRITTEN AUTHORIZATION OF FLEMING BROTHERS TRANSPORTATION, INC. ANY REUSE OF THIS DOCUMENT FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF FLEMING BROTHERS TRANSPORTATION, INC. IS STRICTLY PROHIBITED.

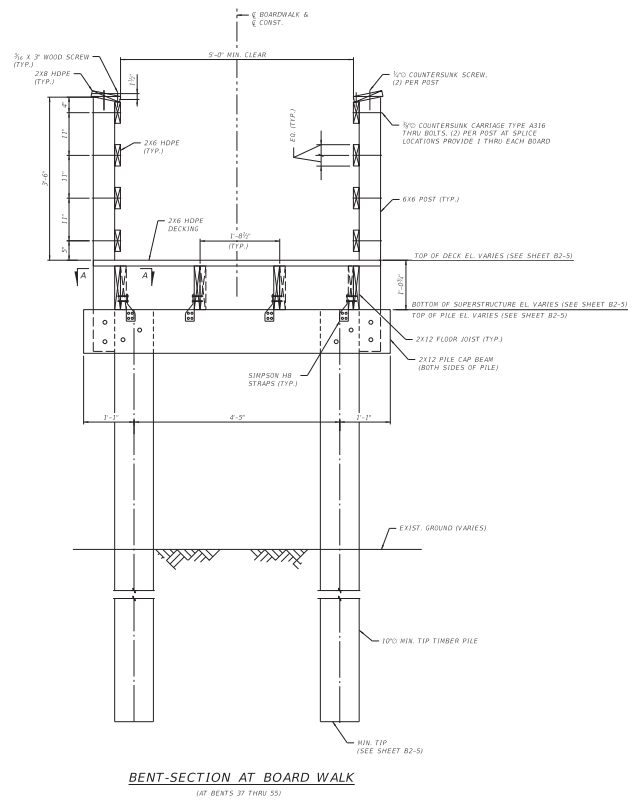
DATE	REV.	BY	REV. NO.	REVISION

WHEN PRINTED TO SCALE, DRAWING SIZE SHALL BE 27" X 34".
SHEET
B2-4
 22056

PRINTED: 01/12/2023 4:25:40 PM PRINTED BY: Bbl/hamt



BENT-SECTION AT MAIN PIER
(AT BENTS 1 THRU 36)



BENT-SECTION AT BOARD WALK
(AT BENTS 37 THRU 55)

TYPICAL SECTIONS

JENKIN'S CREEK
FISHING PIER REPLACEMENT



ENGINEER OF RECORD

JUAN A. VALENZUELA, P.E.
FLORIDA REGISTERED PROFESSIONAL ENGINEER
LICENSE NO. 68208
633 DARTMOUTH STREET
ORLANDO, FL 32804

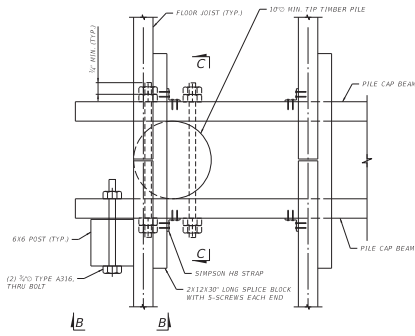
THIS DOCUMENT, COMPRISED OF THE
INFORMATION, DESIGN, CALCULATIONS,
AND ANY INSTRUMENTS OF WORK,
PROPERTY OF COSTAL ENGINEERING,
INC. IS TO BE USED ONLY FOR THE
PROJECT AND SITE SPECIFICALLY
IDENTIFIED HEREON. ANY OTHER
USE, REPRODUCTION OR
TRANSMISSION OF THIS DOCUMENT
WITHOUT THE WRITTEN AUTHORIZATION OF COSTAL
ENGINEERING ASSOCIATES, INC.
IS PROHIBITED. ANY VIOLATION
HEREOF SHALL BE CONSIDERED
A BREACH OF CONTRACT AND
WARRANTY BY REGISTERED PROFESSIONAL
ENGINEER.

DATE	REV.	BY/REV. NO.	REVISION

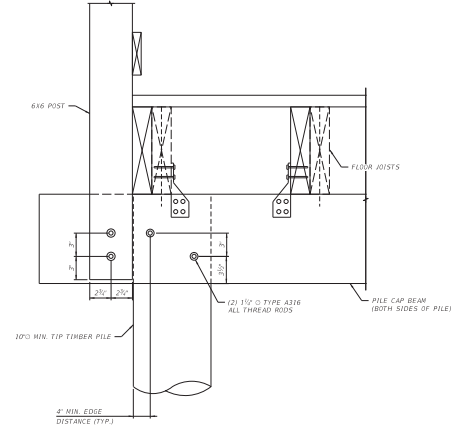
SHEET
B2-6

22056

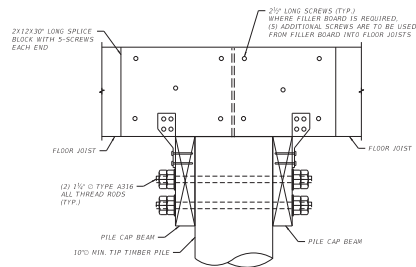
WHEN PRINTED TO SCALE, DRAWING SIZE SHALL BE 27" X 34"



SECTION A-A



SECTION B-B



VIEW C-C

DETAILS SHEET (1 OF 4)

JENKIN'S CREEK
FISHING PIER REPLACEMENT



ENGINEER OF RECORD

JUAN A. VALENZUELA, P.E.
LICENSE NO. 68208
FLORIDA BOARD OF PROFESSIONAL ENGINEERS
633 DARTMOUTH STREET
ORLANDO, FL 32804

REUSE OF DOCUMENT
THIS DOCUMENT, COMPRISED OF THE
INFORMATION CONTAINED HEREIN,
IS THE PROPERTY OF COASTAL ENGINEERING
ASSOCIATES, INC. IT IS TO BE USED ONLY AS PART OF
THE PROJECT FOR WHICH IT WAS PREPARED.
WRITTEN AUTHORIZATION OF COASTAL
ENGINEERING ASSOCIATES, INC.
IS REQUIRED FOR ANY OTHER REUSE AND
IS SUBJECT TO REVISIONS, MODIFICATIONS AND
CANCELLATIONS.

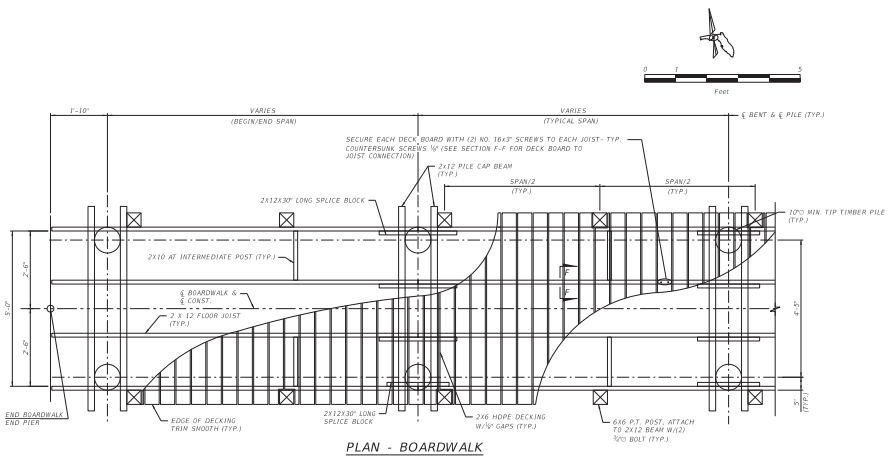
DATE	REV	BY	REV. NO.	REASON

WHEN PRINTED TO SCALE, DRAWING SIZE SHALL BE 27" X 34"

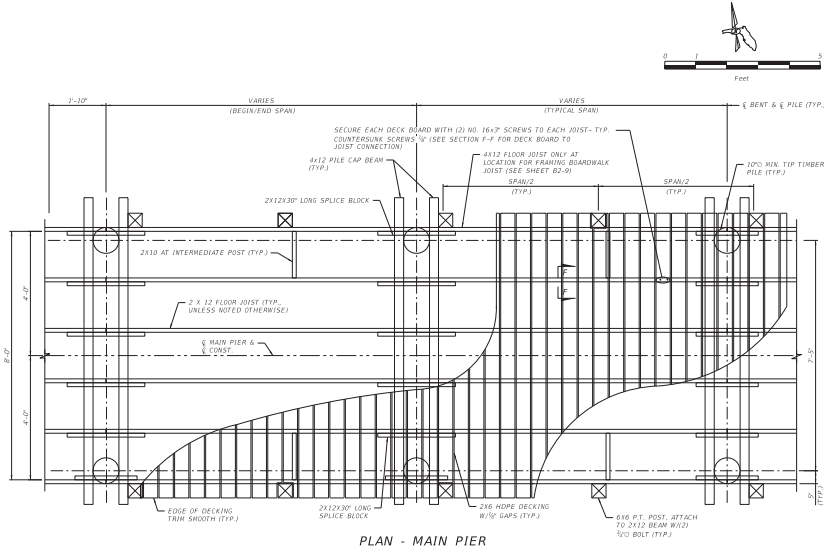
SHEET
B2-7

NO. 22056

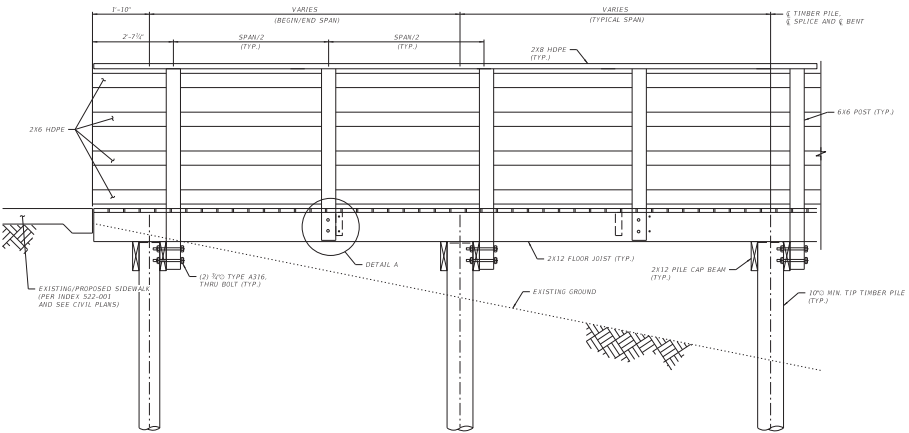
PRINTED: 11/12/2022 4:25:49 PM PRINTED BY: B11/1/2025
 PATH: C:\JPROJECTS\16512022\22-94 Jenkins Creek Boardwalk Coastal Eng\RF - 20-9401\Structures\22Structures\22022.dwg



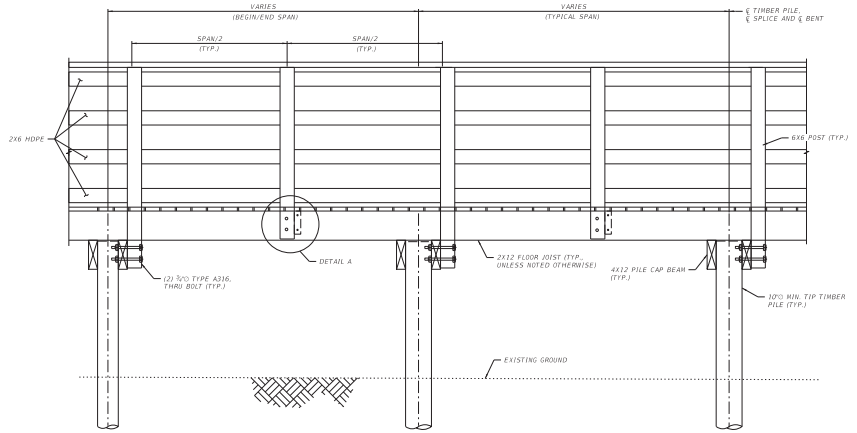
PLAN - BOARDWALK



PLAN - MAIN PIER

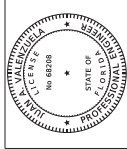


ELEVATION - BOARDWALK



ELEVATION - MAIN PIER

DETAILS SHEET (2 OF 4)
 JENKIN'S CREEK
 FISHING PIER REPLACEMENT



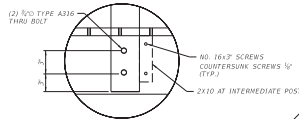
ENGINEER OF RECORD
 JUAN A. VALENZUELA, P.E.
 LICENSE NO. 68208
 JAV CONSULTING ENGINEERING
 633 DARTMOUTH STREET
 ORLANDO, FL 32804

REUSE OF DOCUMENT
 THIS DOCUMENT, COMPRISED OF THE
 INFORMATION, DESIGN, CALCULATIONS,
 AND ALL INSTRUMENTATION OF WORK,
 IS THE PROPERTY OF JAV CONSULTING
 ENGINEERING. IT IS TO BE USED ONLY FOR
 THE PROJECT AND SITE SPECIFICALLY
 IDENTIFIED. ANY REUSE OR MODIFICATION
 WITHOUT WRITTEN AUTHORIZATION OF JAV
 ENGINEERING ASSOCIATES, INC.
 IS STRICTLY PROHIBITED.

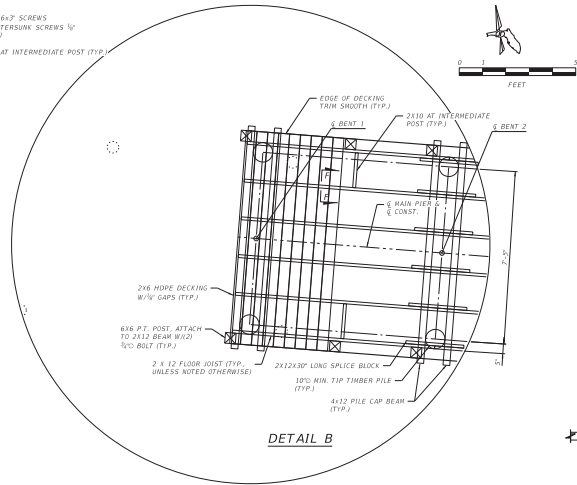
DATE	REV. BY/REV. NO.	REASON

WHEN PRINTED TO SCALE, DRAWING SIZE SHALL BE 22" X 34"
 SHEET
B2-8
 22056

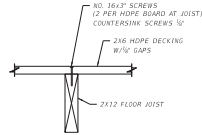
PRINTED: 11/12/2023 4:25:41 PM PRINTED BY: BJB/ldms PATH: \\P:\PROJECTS\2023\23-04 - JENKIN'S CREEK Fishing Pier - Boardwalk Coastal Evg.dwg 23-9403 Structure\B2Sheet.dwg



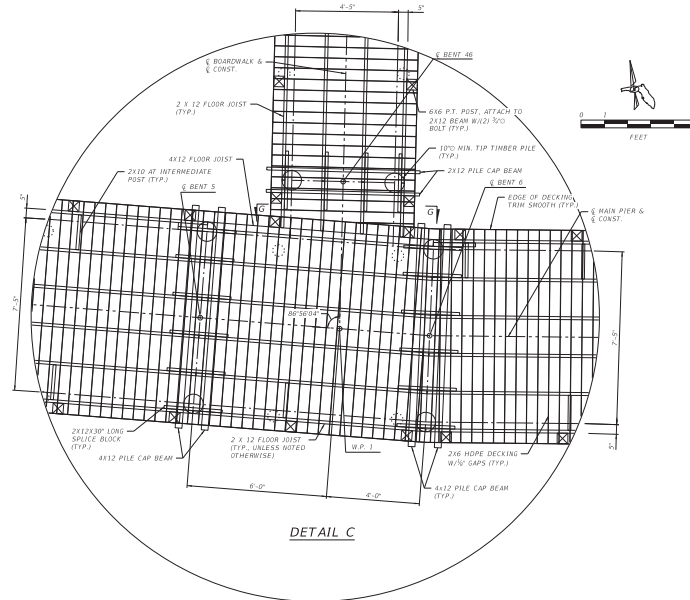
DETAIL A



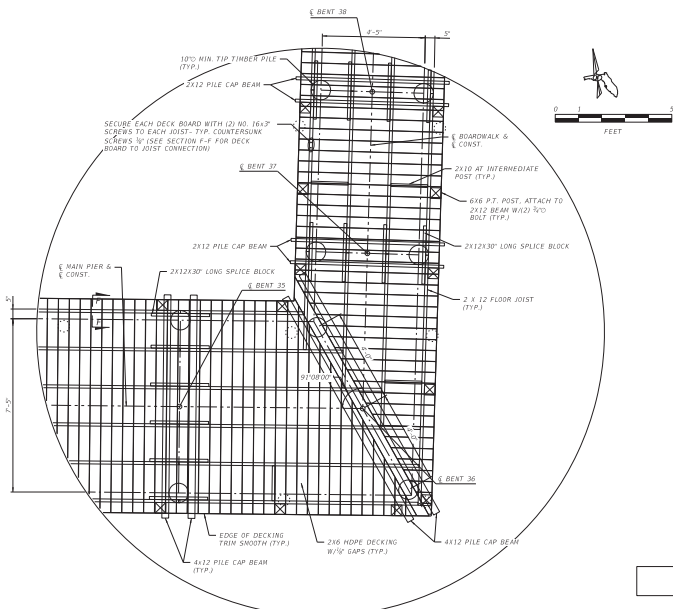
DETAIL B



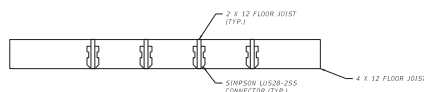
SECTION F-F



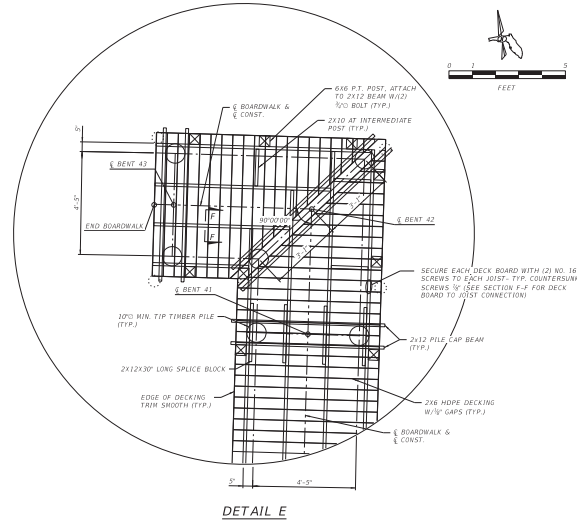
DETAIL C



DETAIL D



SECTION G-G



DETAIL E

DETAILS SHEET (3 OF 4)

JENKIN'S CREEK
FISHING PIER REPLACEMENT



ENGINEER OF RECORD

JUAN A. VALENZUELA, P.E.
FLORIDA REGISTERED PROFESSIONAL ENGINEER
LICENSE NO. 68208
633 DARTMOUTH STREET
ORLANDO, FL 32804

THIS DOCUMENT, COMPRISED OF THE INFORMATION CONTAINED HEREIN, IS THE PROPERTY OF COASTAL ENGINEERING ASSOCIATES, INC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. ANY REUSE OR MODIFICATION OF THIS DOCUMENT WITHOUT THE WRITTEN AUTHORIZATION OF COASTAL ENGINEERING ASSOCIATES, INC. IS STRICTLY PROHIBITED AND WILL BE PROSECUTED TO THE FULL EXTENT OF THE LAW.

DATE	REV.	BY/REV. NO.	REASON

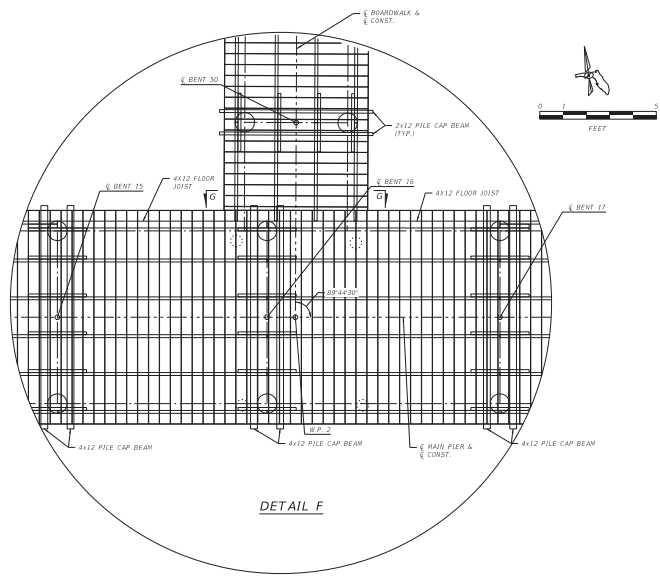
WHEN PRINTED TO SCALE, DRAWING SIZE SHALL BE 22" X 34"

SHEET
B2-9

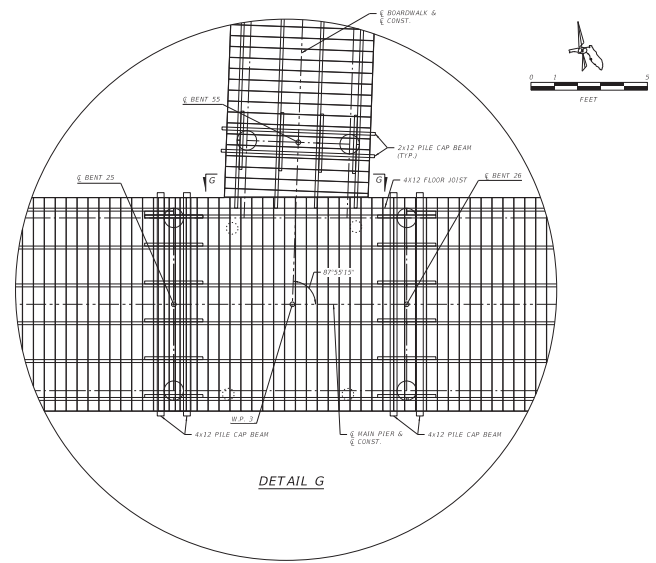
NO. 22056

PRINTED: 11/12/2023 4:25:45 PM PRINTED BY: Bbl/hamt

PATH:\A\7\07\06145\2023\23-04_Jenkins Creek Boardwalk Coastal Erya.rvt 23-0401\Structure\B2Sheet10102.dwg

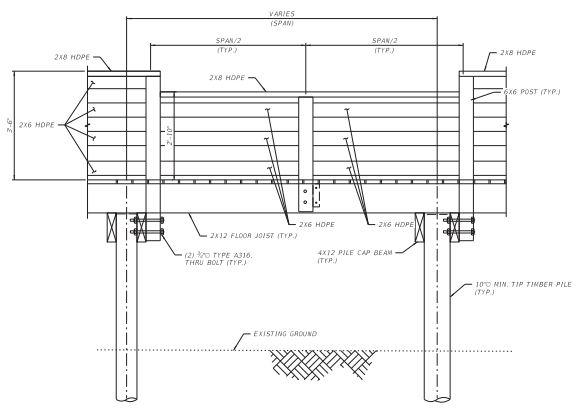


DETAIL F



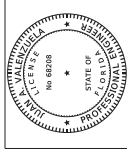
DETAIL G

NOTE:
FOR SECTION G-G, SEE SHEET B2-9.



ELEVATION AT ADA ACCESS AREA
(FOR LOCATION REFER TO CIVIL PLANS)

DETAILS SHEET (4 OF 4)
JENKIN'S CREEK
FISHING PIER REPLACEMENT



ENGINEER OF RECORD
JUAN A. VALENZUELA, P.E.
LICENSE NO. 68208
FLORIDA BOARD OF PROFESSIONAL ENGINEERS
633 DARTMOUTH STREET
ORLANDO, FL 32804

REUSE OF DOCUMENT
THIS DOCUMENT, COMPRISED OF THE
INFORMATION, IS THE PROPERTY OF
AS AN INSTRUMENT OF WORK,
PROPERTY OF COASTAL ENGINEERING
ASSOCIATES, INC. IT IS TO BE USED
ONLY IN CONNECTION WITH THE
PROJECT AND SHALL NOT BE REPRODUCED,
COPIED, OR TRANSMITTED IN ANY
MANNER WITHOUT THE WRITTEN
AUTHORIZATION OF COASTAL
ENGINEERING ASSOCIATES, INC.
www.coastal-engineering.com
& SIGNED BY REGISTERED PROFESSIONAL
ENGINEER

DATE	REV.	BY/REV. NO.	REVISION

WHEN PRINTED TO SCALE, DRAWING SIZE SHALL BE 27" X 34"
SHEET
B2-10
JOB NO. 22056