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REFERENCE LEGEND

 SECTION IDENTIFICATION
SHEET NUMBER

 DETAIL IDENTIFICATION
SHEET NUMBER

DISTRICT 5
BROWARD COUNTY

*BOARDWALK
REPLACEMENT
PROJECT # 61200C*

2035 Vista Parkway
West Palm Beach, FL 33411
Phone No. 561.687.2220
Fax No. 561.687.1110
Registry No. 33574

THE PROJECT ENTAILS REPLACEMENT OF THE EXISTING PORTION OF THE CAUSEWAY BOARDWALK AND CONCRETE WALKWAY AT THE JETTY. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, SUPERVISION AND PERMITTING TO REMOVE EXISTING BOARDWALK STRUCTURAL MEMBER AND PLACE NEW CONCRETE PILES AND CONSTRUCT THE BOARDWALK PER PLAN. THE CONTRACTOR ALSO SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, SUPERVISION AND PERMITTING TO CONSTRUCT NEW CONCRETE WALKWAY ON THE EXISTING JETTY PER PLAN.

SHEET NUMBER	SHEET TITLE
G100	COVER SHEET
G101	OVERALL MAP OF BOARDWALK AND JETTY
G102	CONSTRUCTION NOTES
G103	EXISTING SITE SURVEY
G104	EXISTING SITE SURVEY
G105	SOIL BORING DATA
G106	ACCESS PLAN
SD100	DEMOLITION PLAN
SD101	DEMOLITION PHOTOS
SD102	DEMOLITION PHOTOS
S100	PROPOSED SITE IMPROVEMENTS - OVERALL
S200	ENLARGED BOARDWALK PLAN
S201	ENLARGED BOARDWALK PLAN
S202	JETTY SITE PLAN
S300	ENLARGED BOARDWALK AT JETTY PLAN
S301	BOARDWALK DETAILS
S302	BOARDWALK DETAILS
S303	OVERALL SECTION
S304	OVERALL SECTION
S400	JETTY DETAILS
S401	JETTY DETAILS

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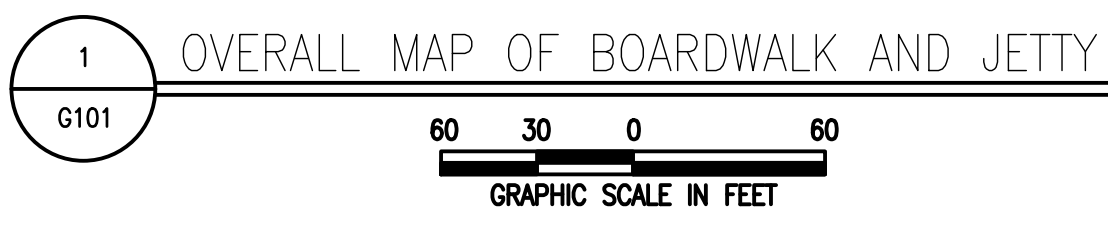
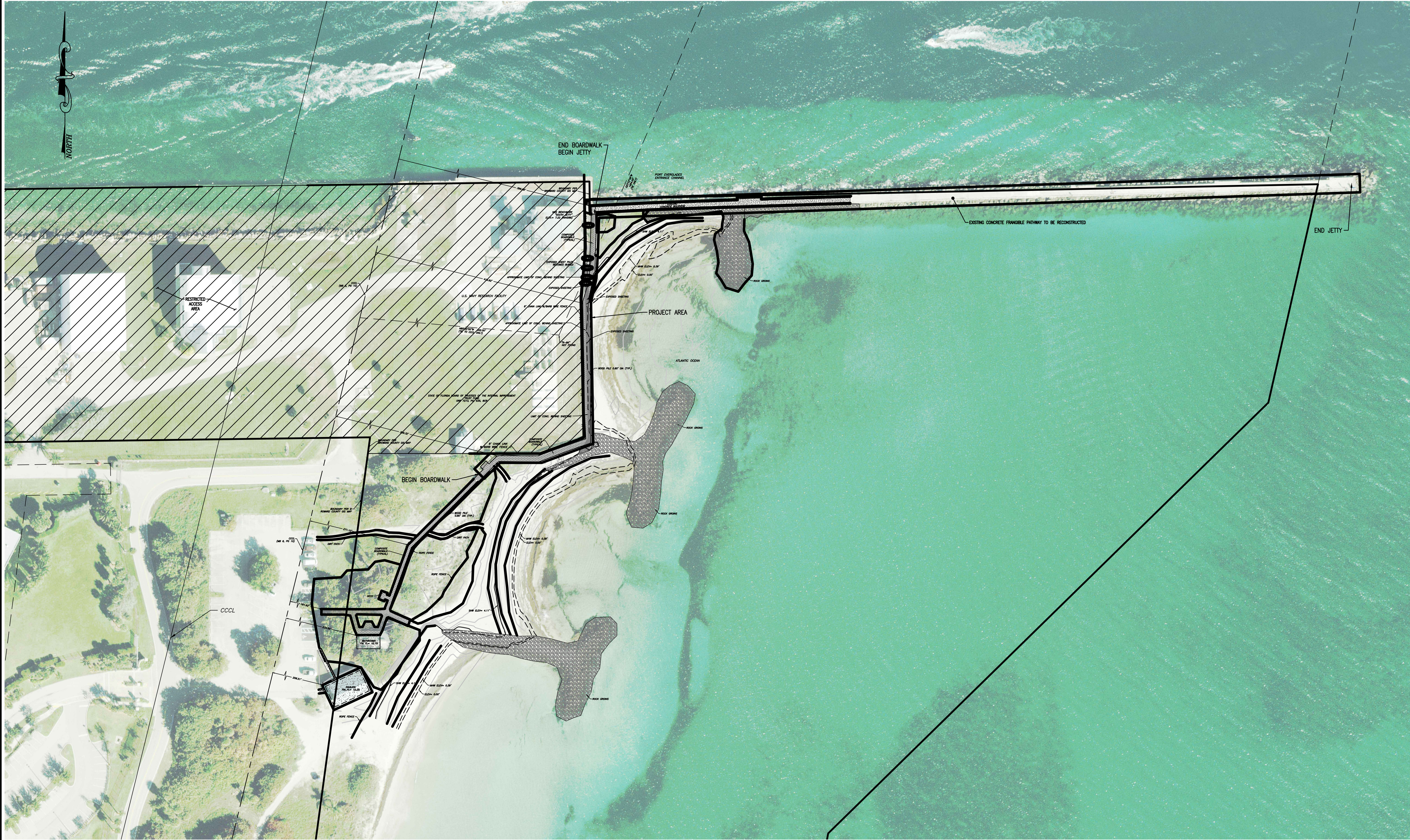
02/05/2021
INITIAL ISSUE DATE



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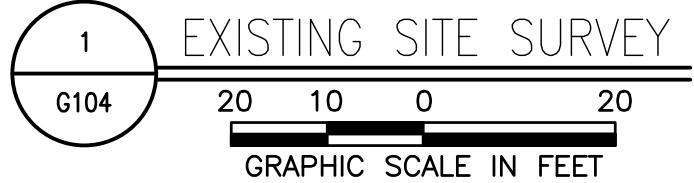
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DR. VON D. MIZELL-EULA JOHNSON STATE PARK		PROFESSIONAL REGISTRATION JEFFREY R. BERGMANN, PE 50159		DESIGNER : JRB	ISSUE DATE:	SYMBOL	REVISION	DATE
SHEET TITLE OVERALL MAP OF BOARDWALK AND JETTY				DRAWN BY: DAM	COMP. FILE NO.:	A		
PROJECT TITLE BOARDWALK REPLACEMENT				REVIEWED BY: BCR	STATE PROJECT NO.: 61200C	B		
G101				Department of Environmental Protection Division of Recreation and Parks Bureau of Design and Construction 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2157				

MATCHLINE (SEE SHEET G103)



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DR. VON D. MIZELL-EULA JOHNSON STATE PARK		PROFESSIONAL SURVEYOR AND MAPPER JIM SULLIVAN, PSM PSW#6889		DESIGNER : JRB	ISSUE DATE:	SYMBOL		REVISION	DATE
SHEET TITLE				DRAWN BY: DAM	COMP. FILE NO.:	SYMBOL		REVISION	DATE
PROJECT TITLE				REVIEWED BY: BCR	STATE PROJECT NO.: 61200C	SYMBOL		REVISION	DATE
EXISTING SITE SURVEY									
BOARDWALK REPLACEMENT									
G104									

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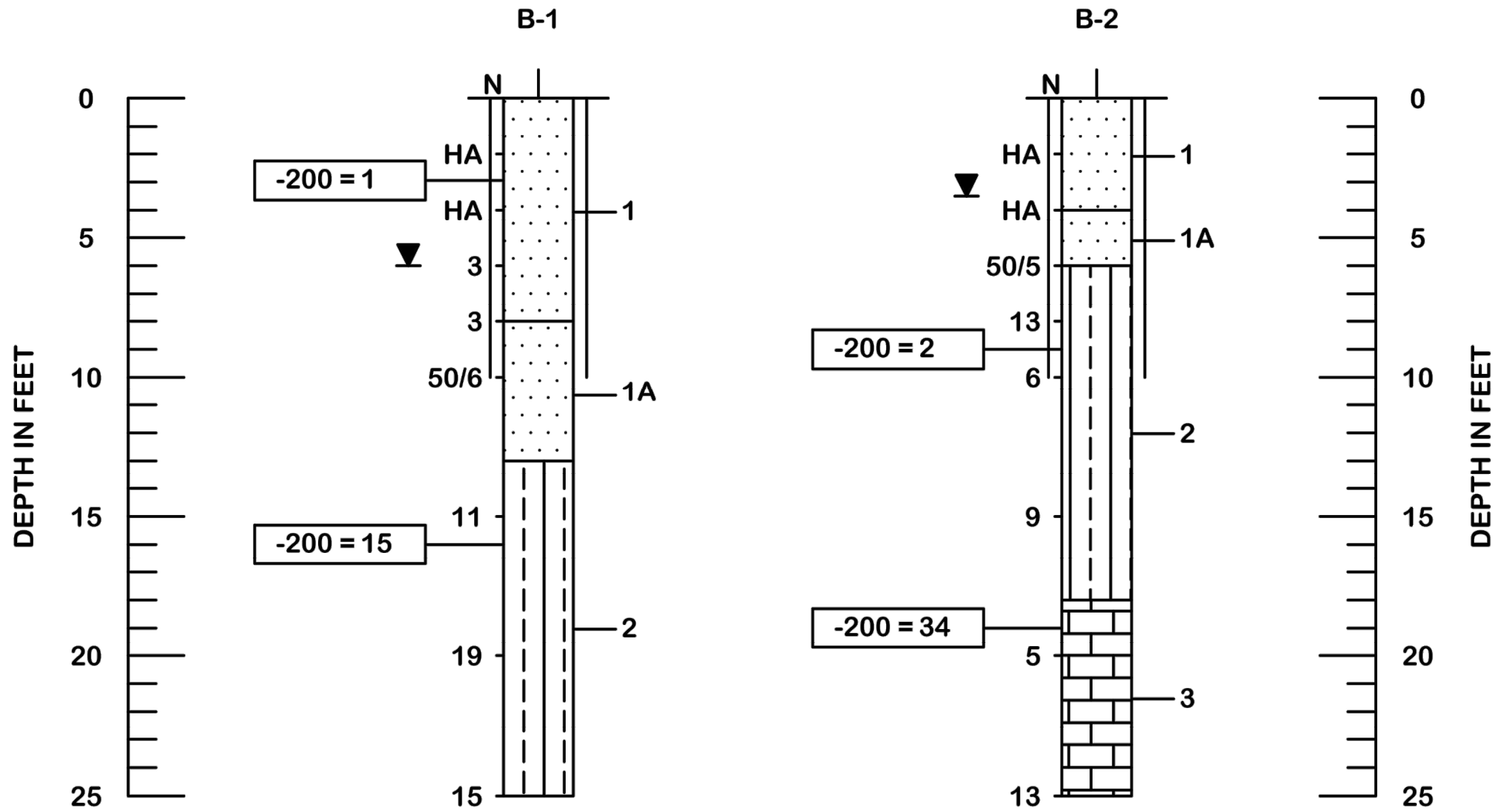
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Fax No. 561.687.1110
Registry No. 35574

WVGI
WGL PROJECT NO. 2412.08

BORING LOCATION PLAN



SOIL PROFILES



LEGEND

- 1 GRAY TO DARK GRAY TO BROWN SAND TO SAND WITH SILT SOMETIMES WITH SHELL (SP/SP-SM)
- 2 DARK GRAY SILTY SAND (SM)
- 3 WEATHERED LIMESTONE
- A - WITH LIMESTONE FRAGMENTS
- APPROXIMATE LOCATION OF SPT BORING
- GROUNDWATER LEVEL ENCOUNTERED DURING INVESTIGATION
- N SPT N-VALUE IN BLOWS/FOOT FOR 12 INCHES OF PENETRATION (UNLESS OTHERWISE NOTED)
- SP UNIFIED SOIL CLASSIFICATION SYSTEM (ASTM D 2488) GROUP SYMBOL AS DETERMINED BY VISUAL REVIEW AND LABORATORY TESTING ON SELECTED SAMPLES FOR CONFIRMATION OF VISUAL REVIEW
- 50/4 NUMBER OF BLOWS FOR 4 INCHES OF PENETRATION
- HA HAND AUGERED TO VERIFY UTILITY CLEARANCES
- CASING
- 200 PERCENT PASSING #200 SIEVE

AUTOMATIC HAMMER	
GRANULAR MATERIALS- RELATIVE DENSITY	SPT (BLOWS/FT.)
VERY LOOSE	LESS THAN 3
LOOSE	3 TO 8
MEDIUM	8 TO 24
DENSE	24 TO 40
VERY DENSE	GREATER THAN 40
SILTS AND CLAYS CONSISTENCY	SPT (BLOWS/FT.)
VERY SOFT	LESS THAN 1
SOFT	1 TO 3
FIRM	3 TO 6
STIFF	6 TO 12
VERY STIFF	12 TO 24
HARD	GREATER THAN 24

DRAWN BY: SW	APPROVED BY: EMF	ENGINEER OF RECORD: ERICK M. FREDERICK, P.E.	 TIERRA 7351 Temple Terrace Highway Tampa, Florida 33637 Phone: 813-989-1354 Fax: 813-989-1355 FL Cert. No.: 6486	SCALE: NOTED	PROJECT NUMBER: 6511-14-175-002	GEOTECHNICAL ENGINEERING SERVICES MIZELL-JOHNSON STATE PARK BOARDWALK BROWARD COUNTY, FLORIDA	SHEET 1
CHECKED BY: SF	DATE: JUN 2019	FLORIDA LICENSE NO.: 63920					

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DR. VON D. MIZELL-EULA JOHNSON STATE PARK

PROJECT TITLE

SOIL BORING DATA

BOARDWALK REPLACEMENT

G105

ISSUE DATE:

COMP. FILE NO.:

STATE PROJECT NO.:

61200C

DESIGNER :

DRAWN BY:

REVIEWED BY:

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SYMBOL

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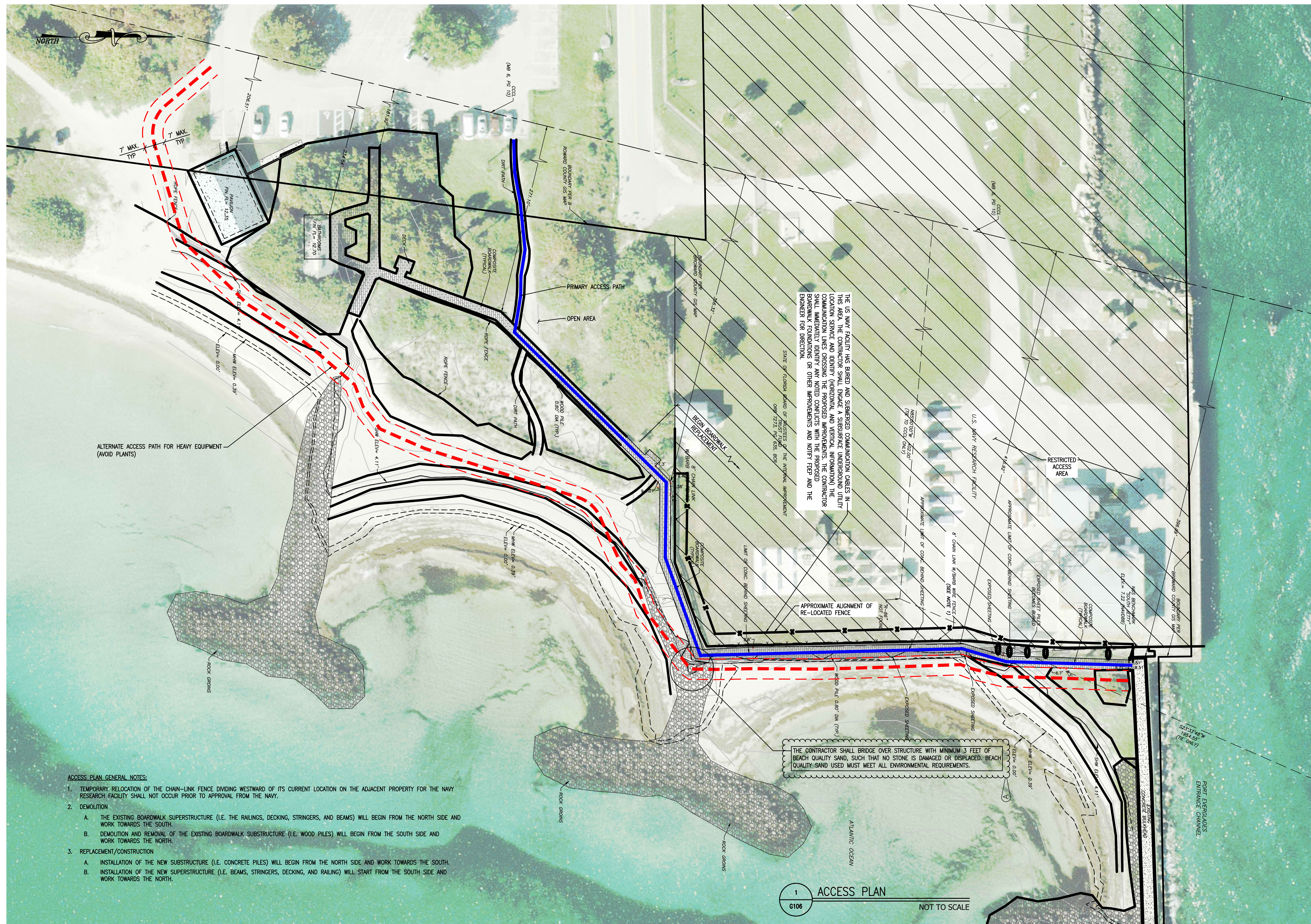
REVISION

Department of Environmental Protection

Division of Recreation and Parks

Bureau of Design and Construction

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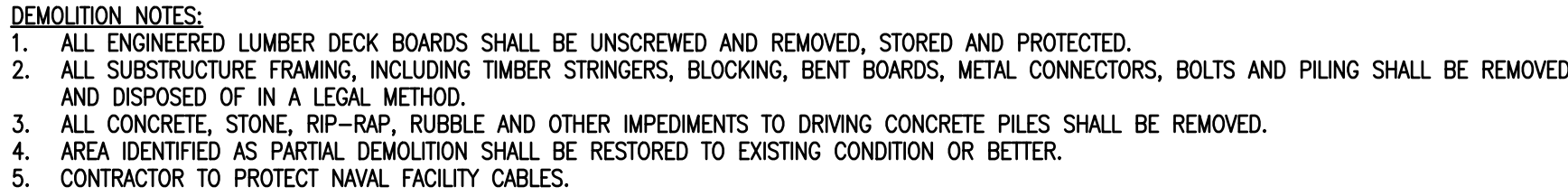


THE US NAVY FACILITY HAS BURIED AND SUBMERGED COMMUNICATION CABLES IN THIS AREA. THE CONTRACTOR SHALL ENGAGE A SURFACE UNDERGROUND UTILITY LOCATION SERVICE AND IDENTIFY HORIZONTAL AND VERTICAL INTERFERENCE. THE COMMUNICATION LINES CROSSING THE PROPOSED IMPROVEMENTS, THE CONTRACTOR SHALL IMMEDIATELY IDENTIFY ANY NOTED CONFLICTS WITH THE PROPOSED BROADWAY FOUNDATIONS OR OTHER IMPROVEMENTS AND NOTIFY FDEP AND THE ENGINEER FOR DIRECTION.

1 ACCESS PLAN

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DR. VON D. MIZELL-EULA JOHNSON STATE PARK						PROFESSIONAL REGISTRATION JEFFREY R. BERGMANN, PE 50159							
SHEET TITLE													
ACCESS PLAN													
PROJECT TITLE													
BOARDWALK REPLACEMENT													
SHEET NO.						G106							
DESIGNER : JRB		ISSUE DATE:		SYMBOL		DATE		REVISION		SYMBOL		DATE	
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REVIEWED BY: BCR		STATE PROJECT No.: 61200C		B						D			
wgi West Palm Parkway West Palm Beach, FL 33411 Phone No. 561.687.2220 Fax No. 561.687.1110 Registry No. 33574 Department of Environmental Protection <i>Division of Recreation and Parks</i> Bureau of Design and Construction 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2157													
CONSULTANT : wgi PROJECT NO. 241208													



SD101-X DENOTES APPROXIMATE CAMERA LOCATION AND DIRECTION

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DR. VON D. MIZELL-EULA JOHNSON STATE PARK

DEMOLITION PLAN

BOARDWALK REPLACEMENT

PROFESSIONAL REGISTRATION
JEFFREY R. BERGMANN, PE

DESIGNER : JRB

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Consultant :



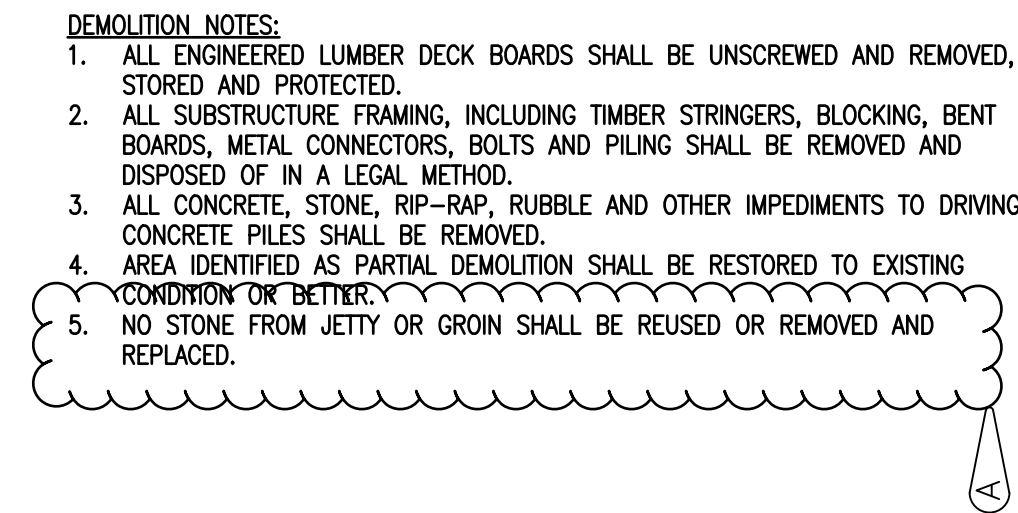
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SHEET NO

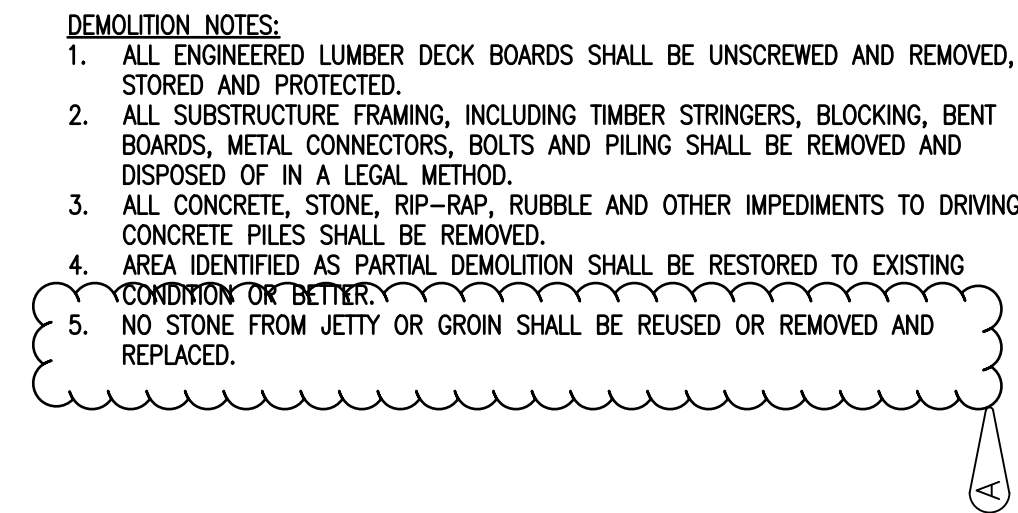
SD 100

1. BOARDWALK LOOKING NORTHEAST.



1. BOARDWALK SOUTH OF GROUYNE.

1. BOARDWALK AT GROUYNE INTERSECTION.



1. BOARDWALK LOOKING NORTH FROM GROYPE.

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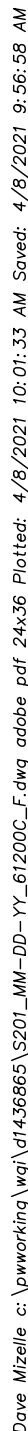


1. BOARDWALK LOOKING NORTH.



1. EXPOSED STEEL SHEETING TO REMAIN.

SHEET NO.		DR. VON D. MIZELL-EULA JOHNSON STATE PARK		PROFESSIONAL REGISTRATION JEFFREY R. BERGMANN, PE 30139	
SHEET TITLE				DESIGNER : JRB	
DEMOLITION PHOTOS				DRAWN BY: DAM	
BOARDWALK REPLACEMENT				REVIEWED BY: BCR	
PROJECT TITLE				ISSUE DATE:	
				COMP. FILE NO.:	
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SHEET NO.		SHEET TITLE		DR. VON D. MIZELL-EULA JOHNSON STATE PARK ENLARGED ROADWALK PLAN	
PROFESSIONAL REGISTRATION JEFFREY R. BERGMANN, PE 50159				DESIGNER : JRB DRAWN BY: DAM REVIEWED BY: BCR	ISSUE DATE: COMP. FILE No.: STATE PROJECT No.: 61200C
SYMBOL		DATE		REVISION	
SYMBOL		DATE		REVISION	

Consultant :  **WGI**
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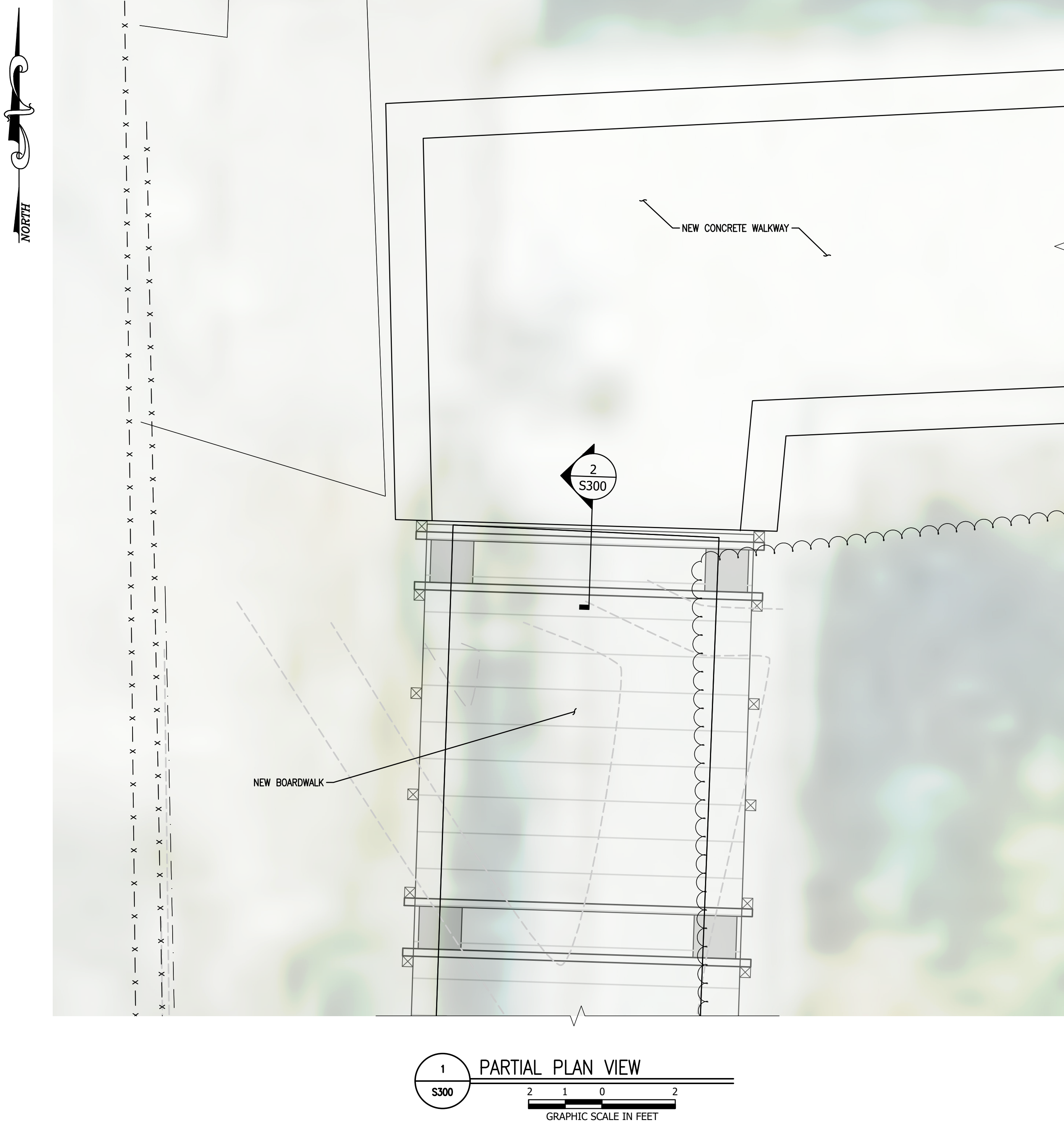
SHEET NO.	S201
DR: VON D. MIZELL-EULA JOHNSON STATE PARK	
SHEET TITLE	PROJECT TITLE
ENLARGED BOARDWALK PLAN	BOARDWALK REPLACEMENT

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DR. VON D. MIZELL-EULA JOHNSON STATE PARK		JETTY SITE PLAN		BOARDWALK REPLACEMENT	
SHEET NO.		SHEET TITLE		PROJECT TITLE	
S202					
PROFESSIONAL REGISTRATION JEFFREY R. BERGMANN, PE 50159		DESIGNER : JRB		ISSUE DATE:	
		DRAWN BY: DAM		COMP. FILE NO.:	
		REVIEWED BY: BCR		STATE PROJECT NO.: 61200C	
		Consultant :		2035 Vista Parkway West Palm Beach, FL 33411 Phone No. 561.687.2220 Fax No. 561.687.1110 Registry No. 33574	
					
				Department of Environmental Protection Division of Recreation and Parks Bureau of Design and Construction 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2157	
				WGL PROJECT NO. 2412.08	

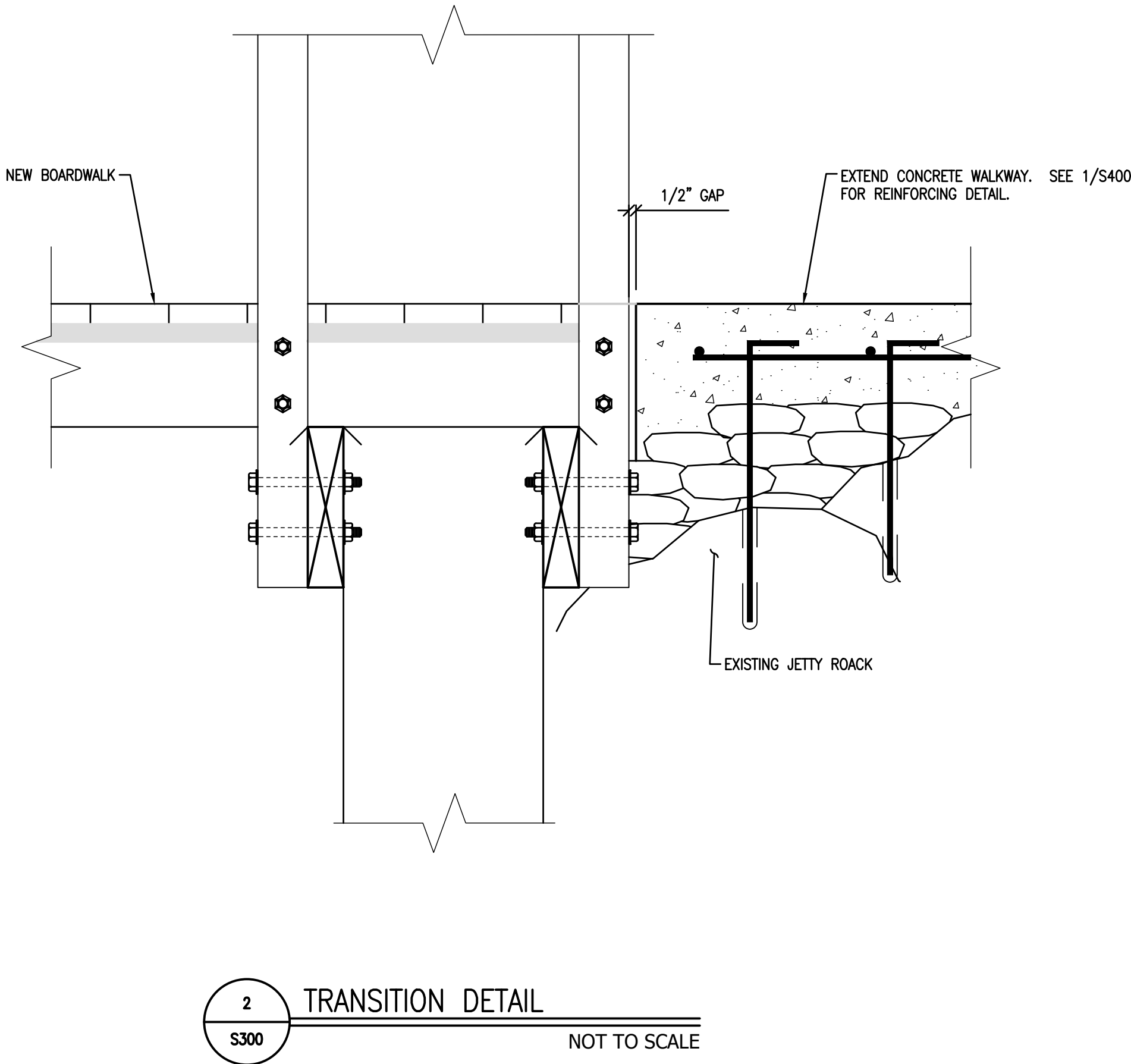
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2

S300

NORTH

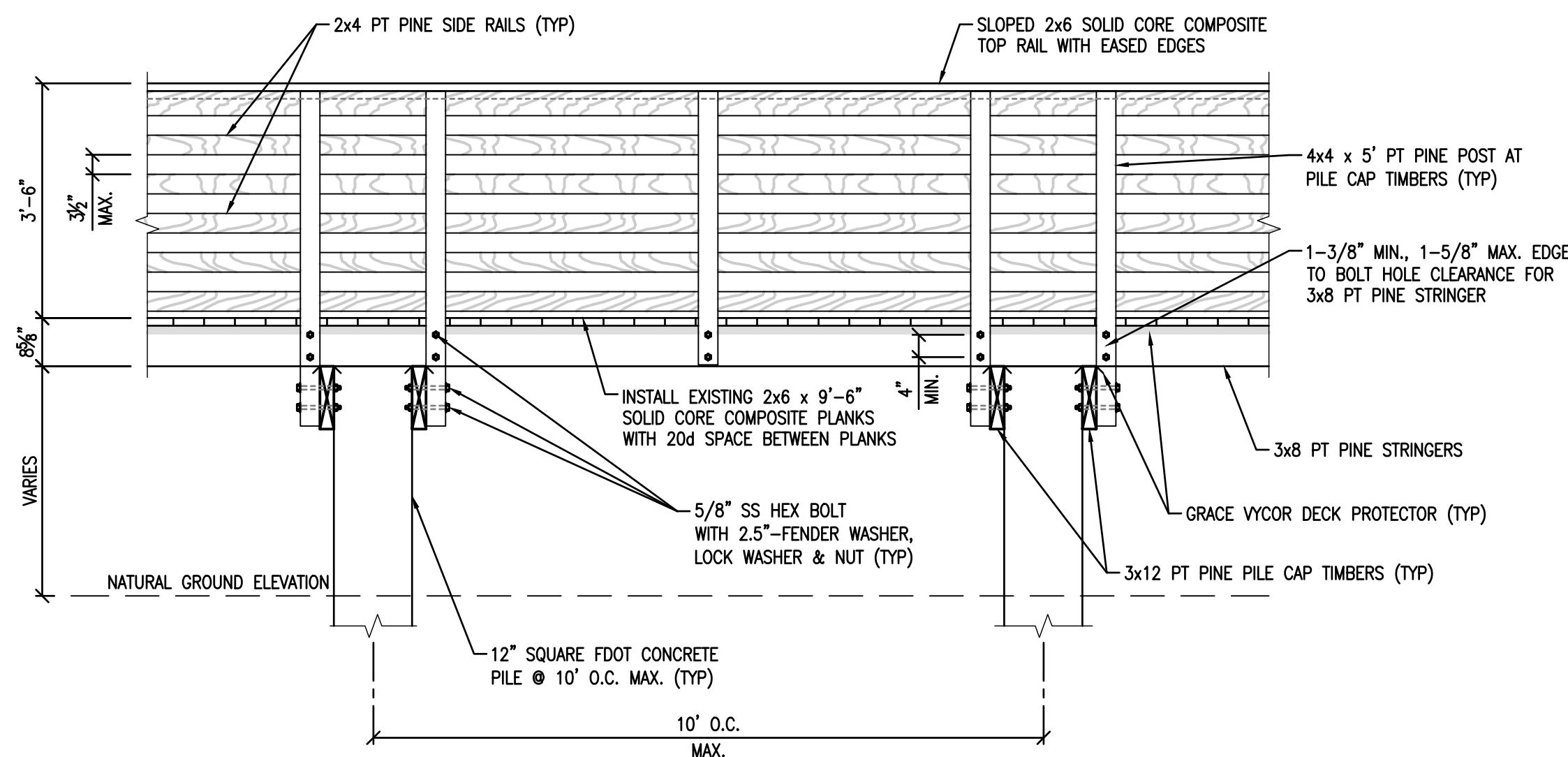


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DR. VON D. MIZELL-EULA JOHNSON STATE PARK		ISSUE DATE:		SYMBOL	REVISION	DATE
SHEET TITLE		DESIGNER :	JRB	SYMBOL	REVISION	DATE
ENLARGED BOARDWALK AT		DRAWN BY:	DAM	(A)		
JETTY PLAN		REVIEWED BY:	BCR	(B)		
PROJECT TITLE		COMP. FILE NO.:				
BOARDWALK REPLACEMENT		STATE PROJECT NO.:	61200C			
		2035 Vista Parkway West Palm Beach, FL 33411 Phone No. 561.687.2220 Fax No. 561.687.1110 Registry No. 33574				
		Department of Environmental Protection Division of Recreation and Parks Bureau of Design and Construction 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2157				

TIMBER NOTES:

- 1) LUMBER SIZES INDICATED ARE NOMINAL.
- 2) LUMBER SHALL BE PT SYP GRADE 1, EXCEPT FOR DECKING, TOP RAILS, AND BENCHES, WHICH SHALL BE SOLID CORE COMPOSITE.
- 3) ALL NUTS, BOLTS, WASHERS AND FRAMING HARDWARE SHALL BE STAINLESS STEEL 316 (UON).
- 4) FASTENERS SHALL BE #8x3" STAINLESS STEEL 316 WOODPECKER TRIM HEAD FINISH SCREWS BY SWAN SECURE OR EQUIVALENT APPROVED BY ENGINEER. TWO SCREWS ARE REQUIRED PER STRINGER LOCATION. DECKING SHALL BE PRE-DRILLED FOR A FLUSH SCREW SET. STAINLESS STEEL DECK SCREWS SHALL BE ALIGNED WITH CHALK STRIPS.
- 5) CONTRACTOR SHALL SPACE SOLID CORE COMPOSITE DECKING WITH 20d NAIL (0.203").
- 6) 1-3/8" MIN., 1-5/8" MAX. EDGE TO BOLT HOLE CLEARANCE FOR PT 3x8 PINE STRINGER.
- 7) STRINGERS, BLOCKING AND PILE CAP TIMBERS TO BE WRAPPED IN GRACE YACOR DECK PROTECTOR.



4x4 x 4'-1" PT PINE POST (TYP)

2x6 SOLID CORE COMPOSITE TOP RAILS TERMINATE AT OUTSIDE EDGE OF CONCRETE TERMINATION FOOTING (TYP)

2x4 PT PINE SIDE RAILS TERMINATE AT OUTSIDE EDGE OF CONCRETE TERMINATION FOOTING (TYP)

3'-6"

3/8" MAX.

8 3/8"

1'

MATCH TOP OF BOARDWALK DECK TO CONCRETE END BENT, TO SIDEWALK (ELEV. VARIES - SEE ENLARGED PLAN VIEWS)

(2) #5 CONTINUOUS

1'

(2) #5 REBAR IN 1' x 1' THICKENED EDGE TO SUPPORT END OF SIDEWALK (SEE CIVIL PLANS FOR CONTINUATION)

1/2"

1/2"

1'

#4 U BARS @ 12" O.C.

#4 STIRRUPS @ 12" O.C.

1'-9"

1'-3"

1'

3'

10" WIDE CONCRETE TERMINATION FOOTING WITH (6) #5 CONTINUOUS (SEE ENLARGED PLAN VIEWS)

4" x 4" x 1/4" x 8' LONG WITH (2) 5/8" SS THRU BOLTS AND (1) 3/4" SS ANCHOR BOLT WITH 9" EMBED AND 3" HOOK @ EACH STRINGER

1/2" EXPANSION MATERIAL

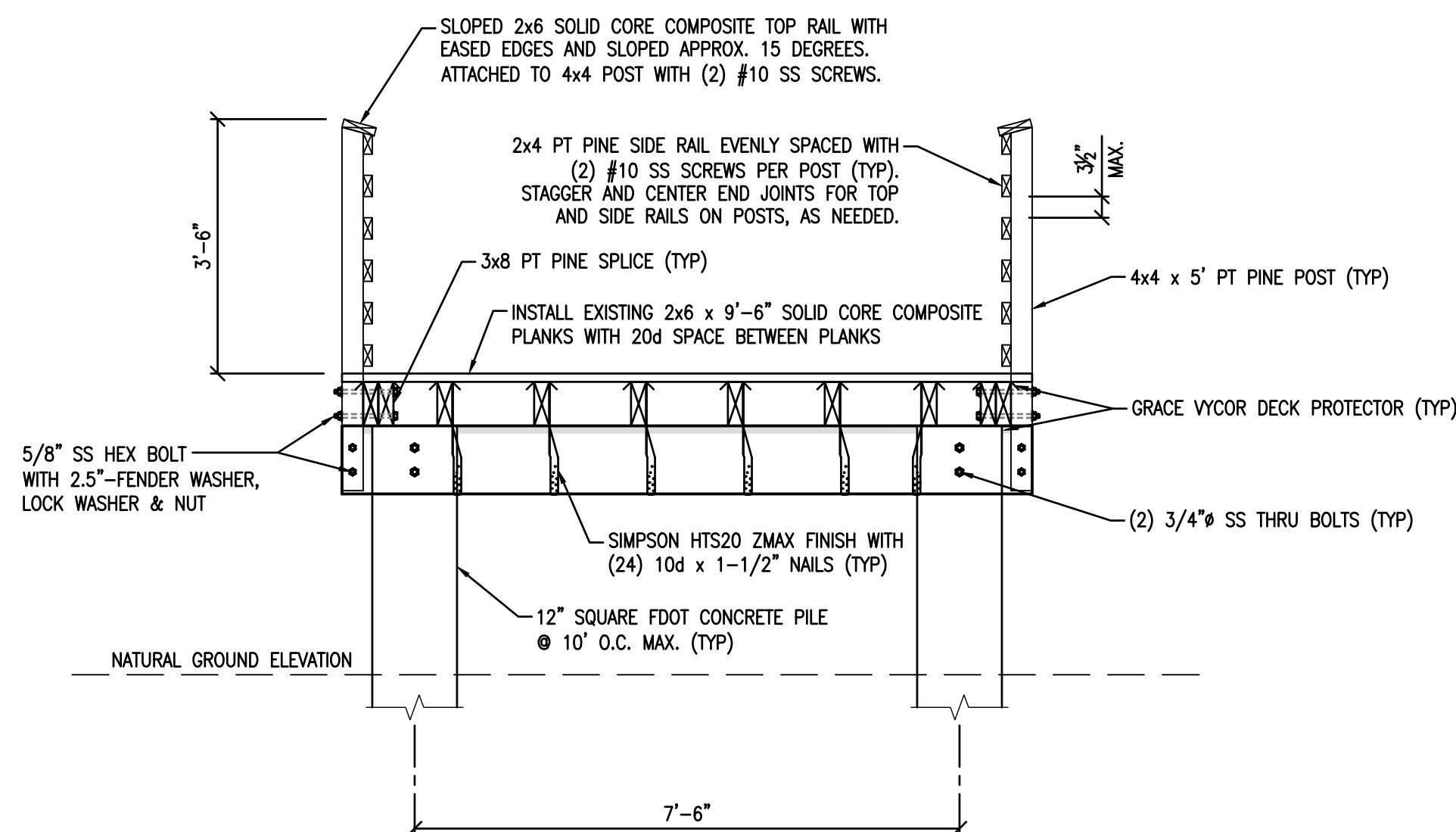
6" (SEE ENLARGED PLAN VIEWS)

BOARDWALK NOTE:

1. BOARDWALK SHALL BE FIELD PLACED TO MINIMIZE NEGATIVE IMPACTS TO NATIVE VEGETATION.
2. BOARDWALK DECK SHALL NOT EXCEED 5% GRADE (20H:1V).

PILING NOTES:

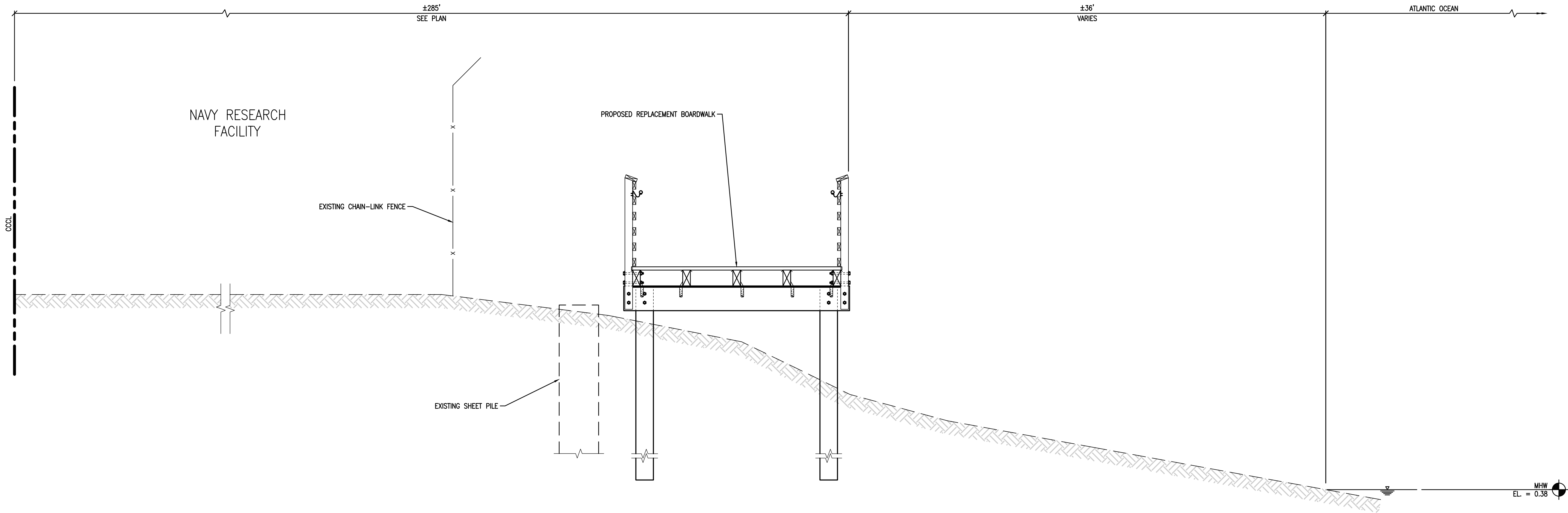
1. ALL PILES SHALL BE DRIVEN TO A MINIMUM EMBEDMENT OF 12 FEET BELOW THE MUDLINE/GRADE.
2. MAXIMUM PILE SPACING SHALL BE 10 FEET O.C.
3. PILES SHALL HAVE A 5 TON SERVICE LOAD MINIMUM.
4. PILES SHALL BE 12 INCH SQUARE POST REINFORCED CONCRETE PER FOOT INDEX 455-012.
5. PILES DRIVING SHALL BE TERMINATED IF REFUSAL IS ACHIEVED



4 BOARDWALK CROSS-SECTION
S301 NOT TO SCALE

S30 1

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1 OVERALL SECTION
S303 NOT TO SCALE

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SHEET TITLE		OVERALL SECTION		DRAWN BY: DAM		COMP. FILE NO.:		DATE		REVISION		DATE	
PROJECT TITLE		BOARDWALK REPLACEMENT		REVIEWED BY: BCR		STATE PROJECT NO.: 61200C		DATE		REVISION		DATE	
S303				CONSULTANT :									

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Phone No. 561.687.2220
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Registry No. 33574

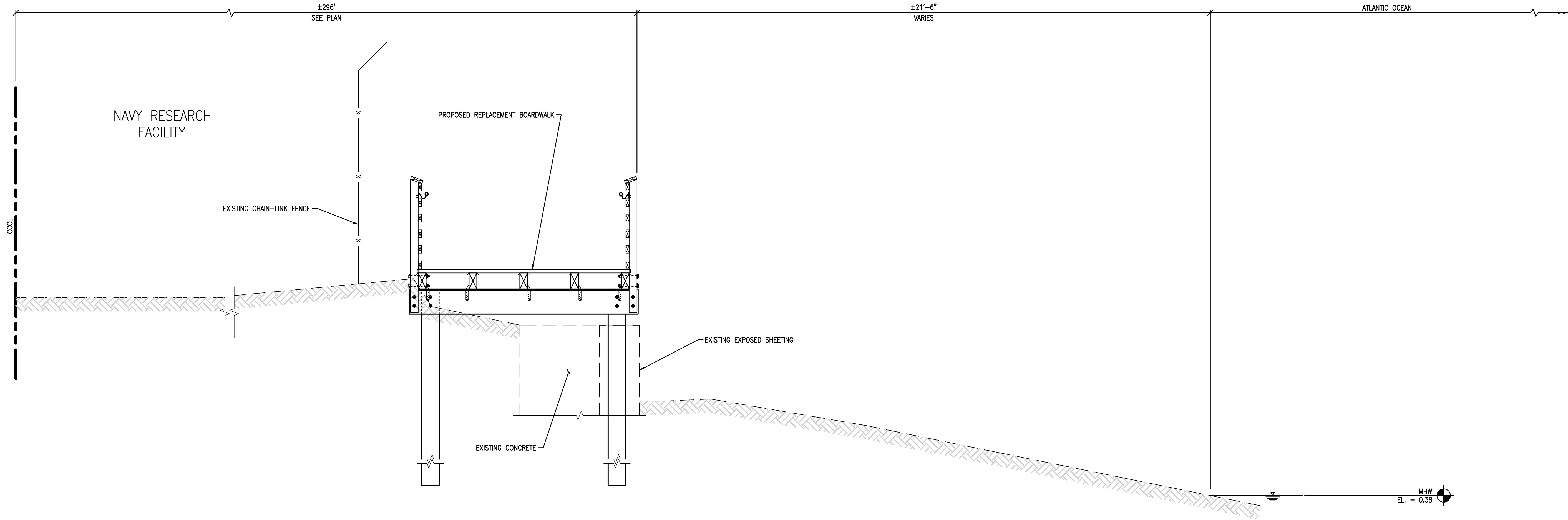


WGL PROJECT NO. 2412.08

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Division of Recreation and Parks
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1 OVERALL SECTION
S304 NOT TO SCALE

100% DESIGN

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SHEET TITLE	
OVERALL SECTION	
PROJECT TITLE	
BOARDWALK REPLACEMENT	

DESIGNER :	JRB	ISSUE DATE:		SYMBOL		REVISION		DATE	
DRAWN BY:	DAM	COMP. FILE NO.:		(A)					
REVIEWED BY:	BCR	STATE PROJECT NO.:	61200C	(B)					
Consultant :									

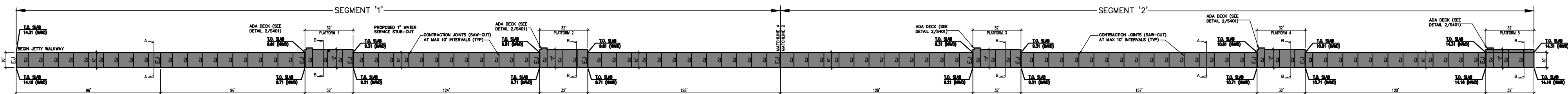


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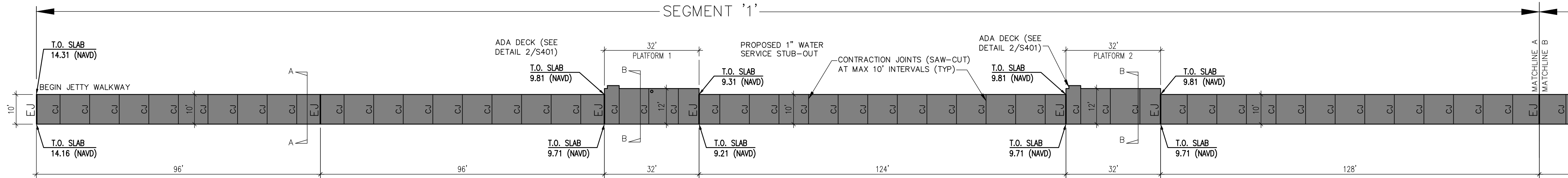
Department of Environmental Protection
Division of Recreation and Parks
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3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2157

SHEET NO.
S304

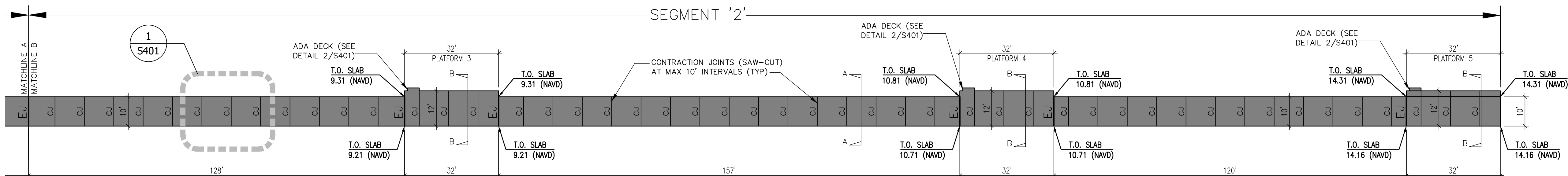
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WALKWAY KEY PLAN
NOT TO SCALE

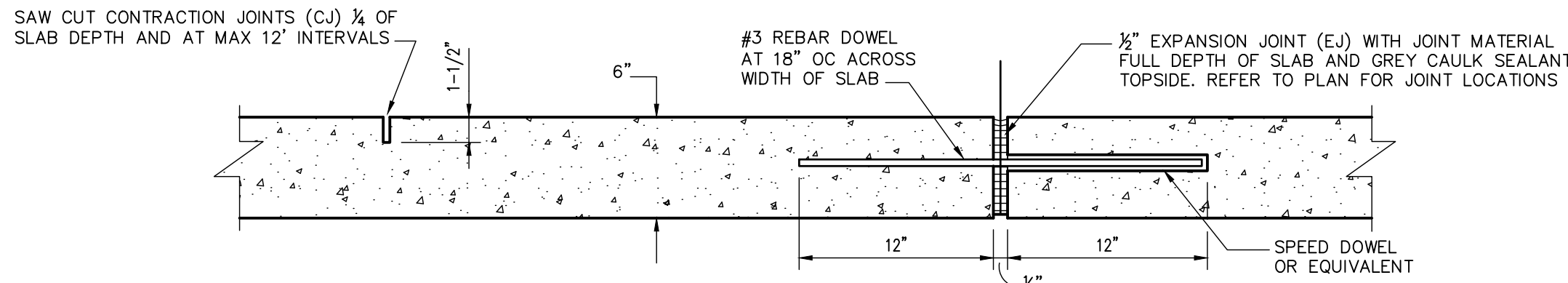


WALKWAY PLAN - SEGMENT '1'
NOT TO SCALE

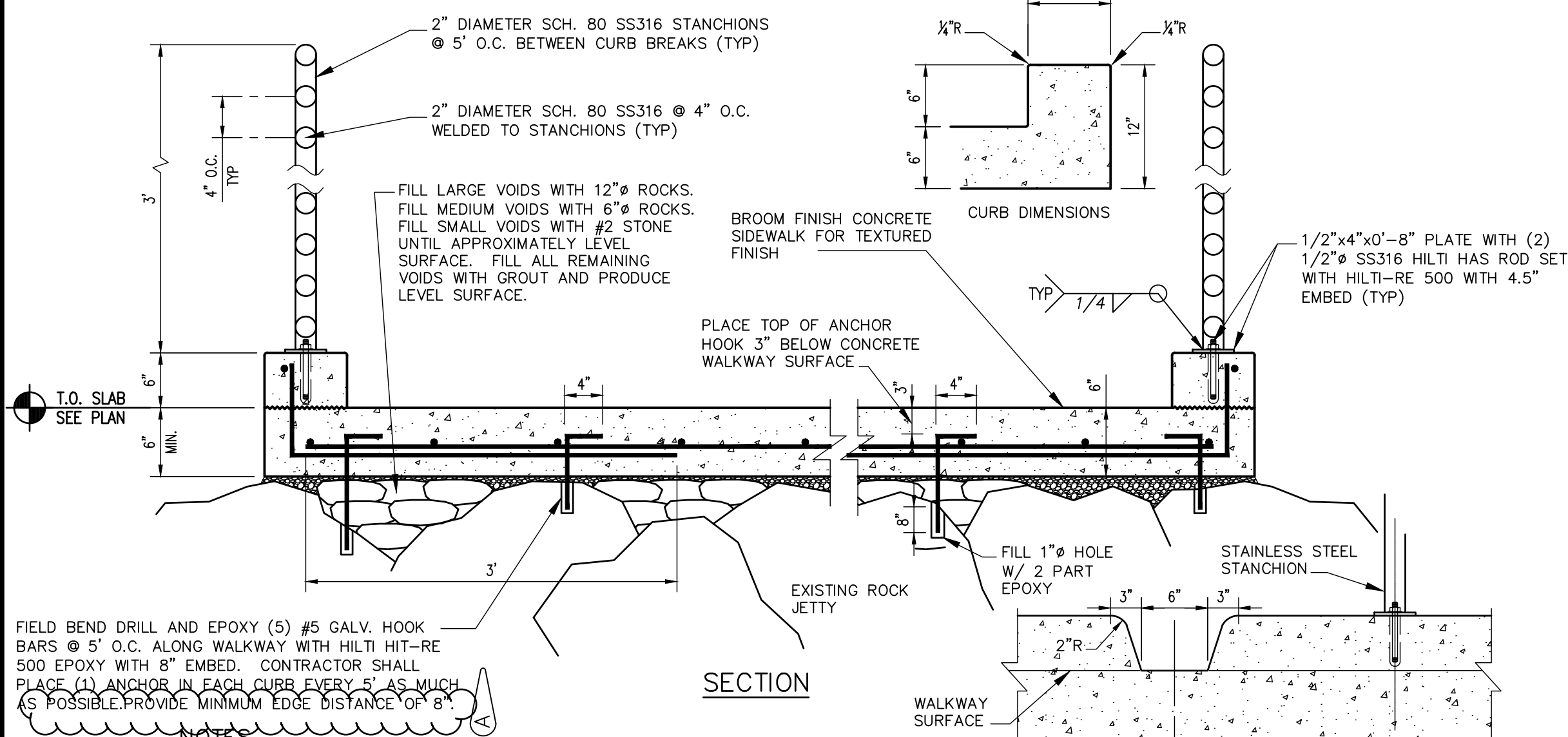


WALKWAY PLAN - SEGMENT '2'
NOT TO SCALE

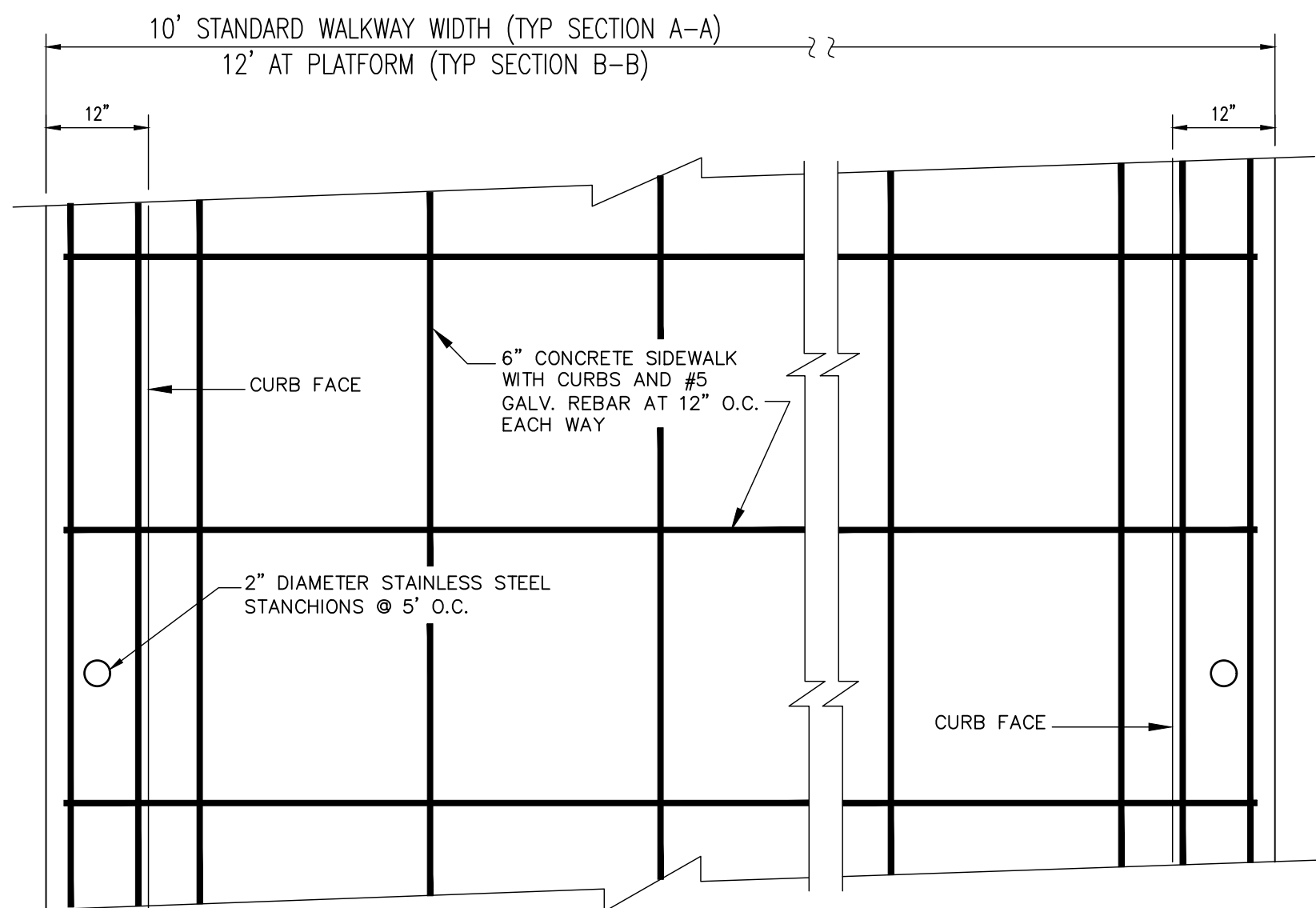
NOTE: JETTY WALKWAY SHALL CONFORM TO A.D.A SLOPE REQUIREMENTS. I.E. 2% MAX. CROSS SLOPE & 5% MAX. LONGITUDINAL SLOPE



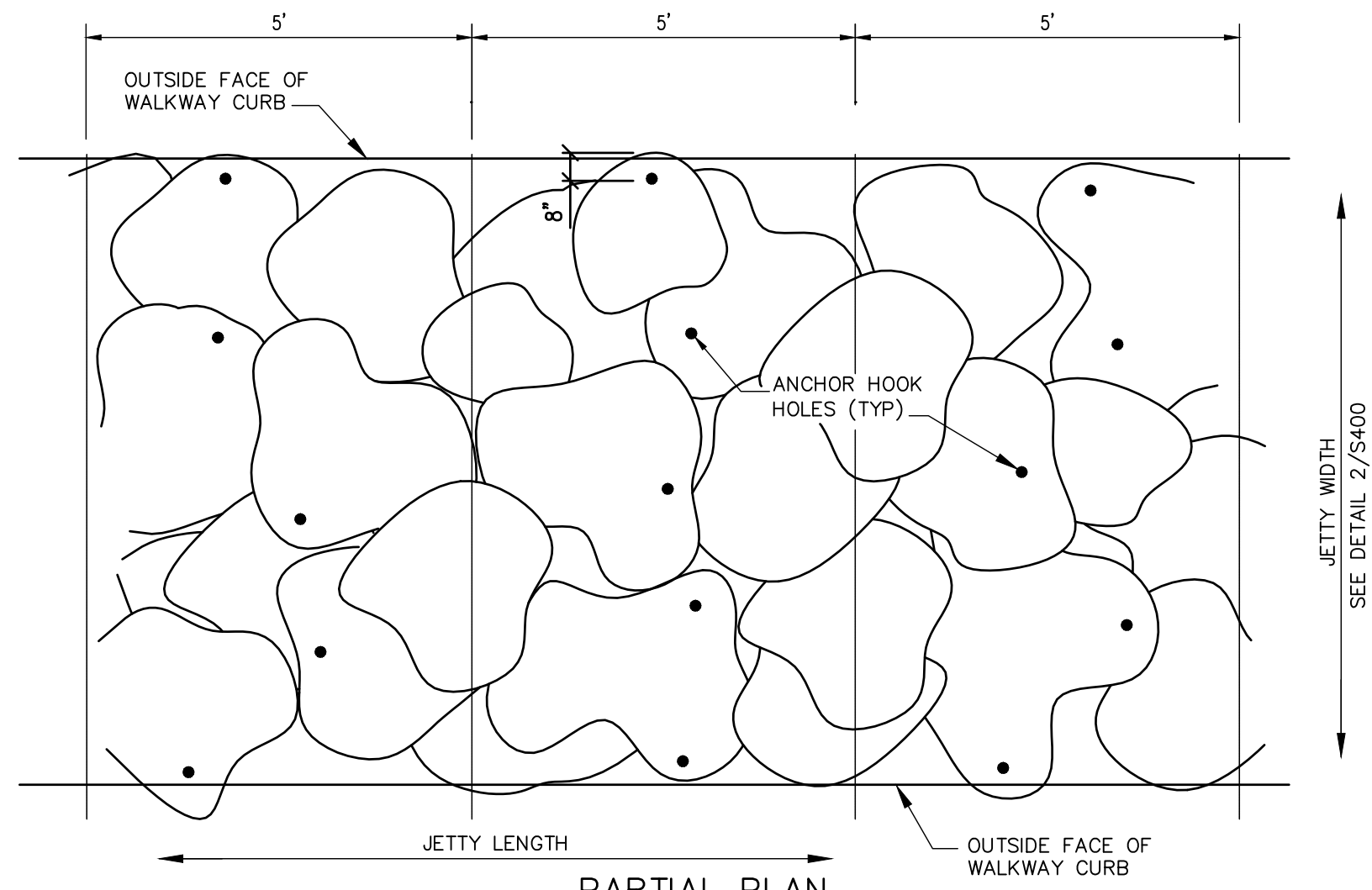
4 TYPICAL CONTRACTION/EXPANSION JOINT DETAIL
NOT TO SCALE



1 TYPICAL CONCRETE WALKWAY SECTIONS A-A & B-B
NOT TO SCALE



2 TYPICAL CONCRETE WALKWAY PLAN
NOT TO SCALE



3 TYPICAL ANCHOR HOOK PLACEMENT
NOT TO SCALE

DATE	REVISION	SYMBOL	DATE	REVISION	SYMBOL
10/06/21		(C)	10/06/21		(D)

ISSUE DATE:	COMP. FILE NO.:	STATE PROJECT NO.:
JRB	DAM	61200C

DESIGNER:	DRAWN BY:	REVIEWED BY:	CONSULTANT:
JRB	DAM	BCR	WVGI

PROFESSIONAL REGISTRATION	PROJECT TITLE
JEFFREY R. BERGMANN, PE 50159	JETTY DETAILS BOARDWALK REPLACEMENT

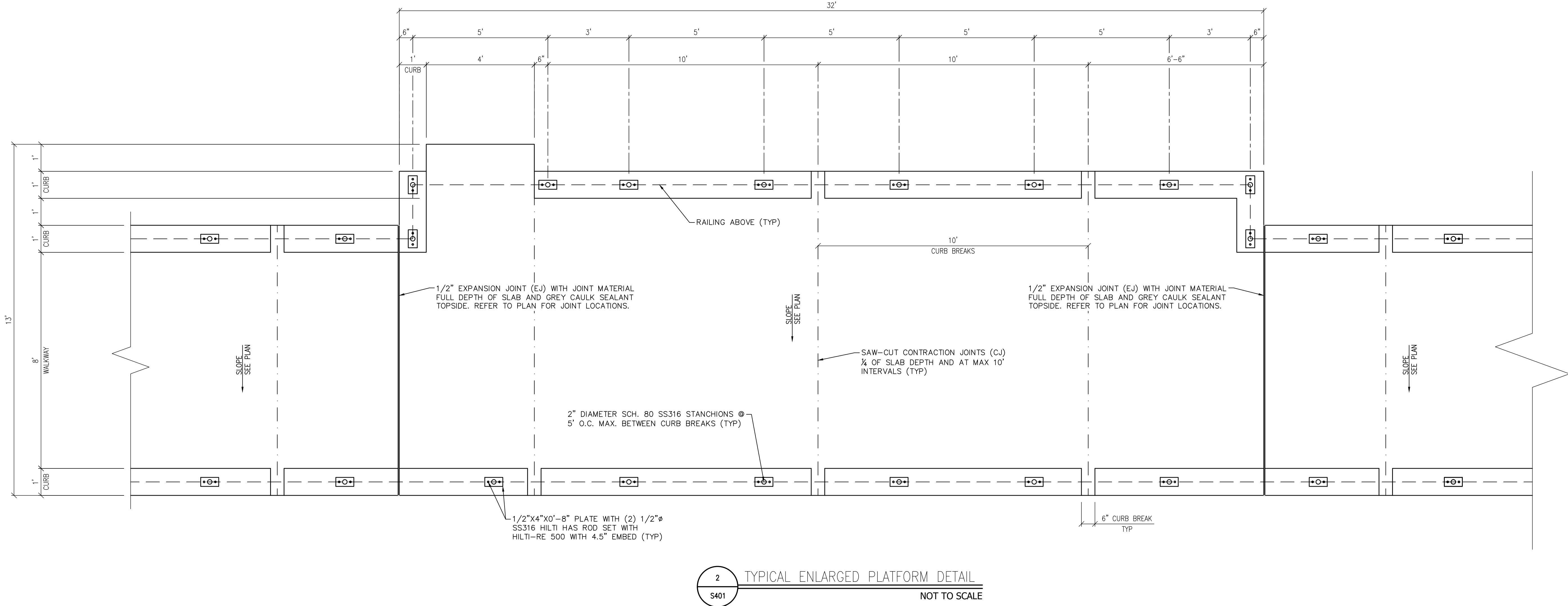
SHEET TITLE	PROJECT TITLE
JETTY DETAILS	BOARDWALK REPLACEMENT

DR. VON D. MIZELL-EULA JOHNSON STATE PARK	100% DESIGN
S400	S400

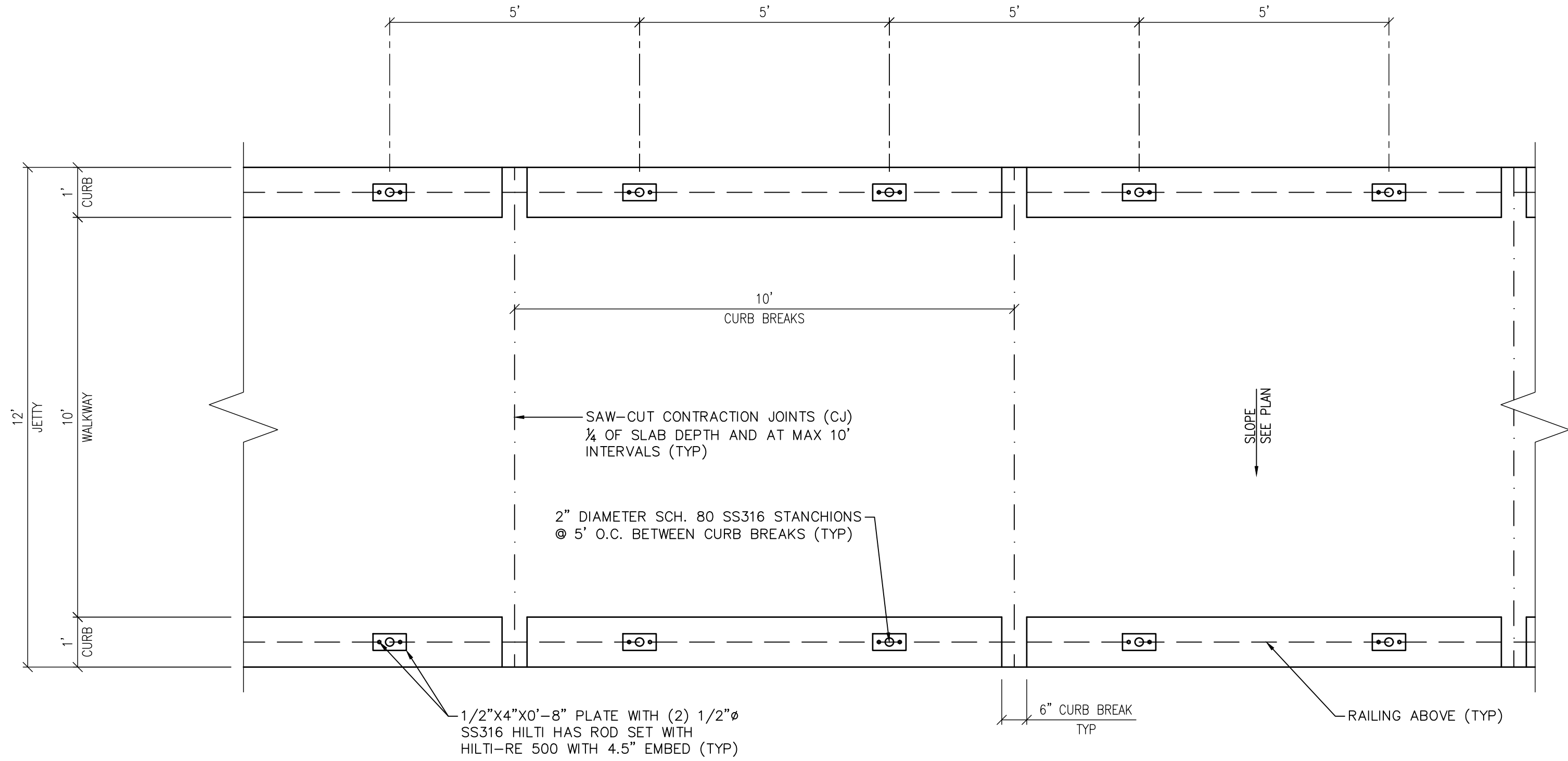
Department of Environmental Protection
Division of Recreation and Parks
Bureau of Design and Construction
3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2157

2035 Vista Parkway
West Palm Beach, FL 33411
Phone No. 561.687.2220
Fax No. 561.687.1110
Registry No. 35574
WGI PROJECT NO. 2412.08

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2 TYPICAL ENLARGED PLATFORM DETAIL
S401 NOT TO SCALE



1 TYPICAL ENLARGED WALKWAY DETAIL
S401 NOT TO SCALE

100% DESIGN

DR. VON D. MIZELL-EULA JOHNSON STATE PARK		PROFESSIONAL REGISTRATION JEFFREY R. BERGMANN, PE 50159	DESIGNER : JRB	ISSUE DATE:	SYMBOL	REVISION	DATE
SHEET TITLE			DRAWN BY: DAM	COMP. FILE NO.:	A		
PROJECT TITLE			REVIEWED BY: BCR	STATE PROJECT NO.: 61200C	B		
JETTY DETAILS							
BOARDWALK REPLACEMENT							
S401							

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