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458-110	EXPANSION JOINT SYSTEM - POURED JOINT WITH BACKER ROD
D400-092	APPROACH SLAB (20 FT.) (FLEXIBLE PAVEMENT APPROACH)

GOVERNING DESIGN STANDARDS:

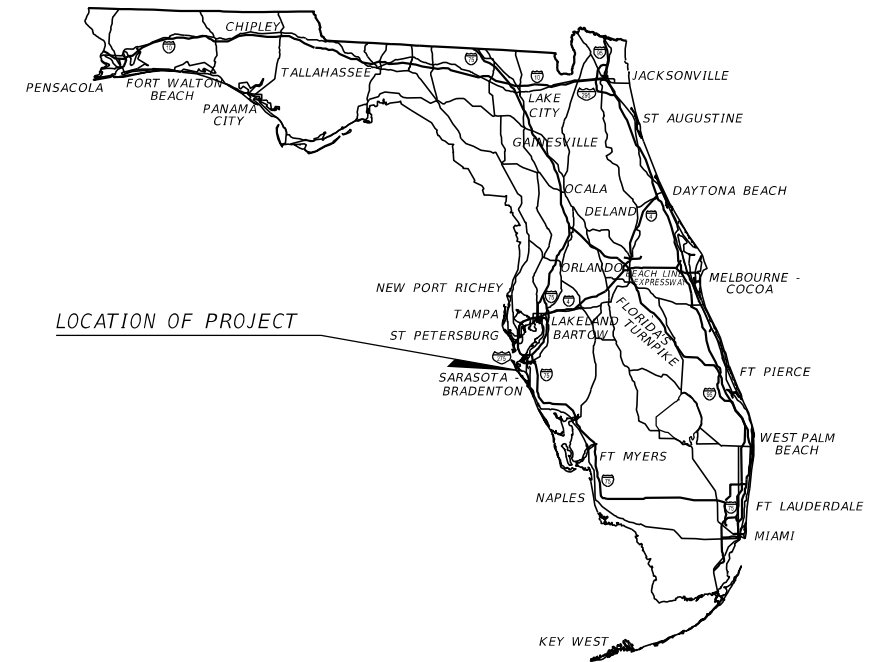
Florida Department of Transportation, FY 2023-24 Standard Plans for Road and Bridge Construction and applicable Iterim Revisions (IRs). Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fdot.gov/design/standardplans>

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, January 2024 Standard Specifications for Road and Bridge Construction at the following website: <http://www.dot.state.fl.us/programmanagement/Implemented/SpecBooks>

CONTRACT PLANS
SARASOTA COUNTY
CENTRAL PARC AT NORTH PORT

STRUCTURE PLANS



STRUCTURE SHOP DRAWINGS
TO BE SUBMITTED TO:

JAMEA POTTER LONG, P.E.
KIMLEY-HORN AND ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 200
WEST PALM BEACH, FL 33411

PLANS PREPARED BY:

KIMLEY-HORN AND ASSOCIATES, INC.
1920 WEKIVA WAY, SUITE 200
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(561) 845-0665 PHONE

NOTE: THE SCALE OF THESE PLANS MAY
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STRUCTURE PLANS
ENGINEER OF RECORD: JAMEA POTTER LONG, P.E.

P.E. NO.: 58677

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	LICENSED PROFESSIONAL	JAMEA POTTER LONG, P.E. FLORIDA LICENSE NUMBER 58677
KHA PROJECT 148860000	DATE JANUARY 2024	SCALE AS SHOWN DESIGNED BY JML DRAWN BY -- CHECKED BY TWF
KEY SHEET		FLORIDA
CENTRAL PARC AT NORTH PORT		PREPARED FOR SABAL TRACE DEVELOPMENT PARTNERS, LLC NORTH PORT
B1-01		SHEET NUMBER
		REVISIONS No. DATE BY

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GENERAL NOTES

A. DESIGN SPECIFICATIONS

1. FDOT Structures Manual dated January 2024.
2. American Association of State Highway and Transportation Officials (AASHTO) Load and Resistance Factor (LRFD) Bridge Design Specifications, 9th Edition.
3. FDOT Design Manual dated January 2024.

B. GOVERNING STANDARDS AND CONSTRUCTION SPECIFICATIONS

Florida Department of Transportation, FY 2023-24 Standard Plans and revised Index Drawings as appended herein, and Standard Specifications for Road and Bridge Construction, as amended by Contract Documents.

C. VERTICAL DATUM

1. Proposed elevations shown in the proposed bridge plans are referenced to NAVD 88.

D. ENVIRONMENT

Superstructure: Slightly Aggressive
 Substructure: Moderately Aggressive (Resistivity = 2064 dm -cm)

E. DESIGN METHODOLOGY

1. Load and Resistance Factor Design (LRFD) method using strength, service, and fatigue limit states.
2. Redundancy Factors: Concrete Substructure $\eta_r = 1.0$
3. Operational Importance Factor: Concrete Superstructure and Substructure $\eta_r = 1.0$

F. Structural Analysis Program: FDOT Prestressed Beam V6.2

G. DESIGN LOADINGS

1. Live Loads:
 Strength I: HL-93 with Dynamic Load Allowance
 2. Dead Loads:
 42" Combination Rail Texas Classic - Type C411 350 plf
 Reinforced Concrete 150 pcf
 Aluminum Hand Rail 15 plf
- Design does not include an allowance of 15 psf for Future Wearing Surface.
3. Utilities: No allowance for utility loads has been included in the design.
 4. Construction Loads:
 Finish Machine Load: 13 kips
 Finish Machine Wheel Locations beyond the edge of deck overhang: 6 inches
 Construction Live Load: 20 psf extended over the entire bridge width and 50 ft in longitudinal length centered on the finishing machine.
 Removable Deck Cantilever Timber Forms with Overhang Brackets: 15 psf
 Live loads at or near the outside edge of deck during deck casting: 75 plf applied as a moving load over a length of 20 feet.
 Construction Inactive Design Wind Speed: 90 MPH
 Velocity Pressure Exposure Coefficient $_z(k)$: 1.14
 Construction Active Design wind Speed: 30 MPH

H. MATERIALS

1. Reinforcing Steel: Grade 60 carbon steel per Specifications Section 931.
2. Concrete:

Concrete Class	Minimum 28-Day Compressive Strength (psi)	Location of Concrete in Structure
II	3,400	Traffic Railings
II (Bridge Deck)	4,500	C.I.P. Deck Slab with shrinkage reducing admixture
II (Bridge Deck)	4,500	Approach Slabs
IV	5,500	C.I.P. Substructure
V	6,500	Prestressed Concrete Piles
V	6,500	Prestressed Florida Slab Beam

3. Concrete Cover:
 Unless noted otherwise, concrete cover shall conform to the following:

Cast-In-Place Superstructure (Top of Deck)	2 1/2"
Cast-In-Place Superstructure (Except Top of Deck)	2"
Precast Prestressed Beams (Except Top Surface)	2"
Cast-In-Place Substructure (Cast Against Earth)	4"
Cast-In-Place Substructure (Formed Surfaces)	3"

Concrete cover dimensions shown in the plans do not include placement and fabrication tolerances unless shown as "minimum cover". See Specifications Section 415 for allowable tolerances. All dimensions pertaining to the location of reinforcing steel are to centerline of bar except where clear dimension is noted to face of concrete.

I. CONCRETE SURFACE FINISH

Class 5 Finish Coating is not required on this project.

J. PLAN DIMENSIONS

All dimensions in these plans are measured in feet either horizontally or vertically unless otherwise noted.

K. UTILITIES:

For plan locations of existing utilities, see Plan and Elevation and Foundation Layout sheet(s). Locations of utilities, including under deck lighting, shown in the plans are approximate. For disposition of utilities, see the Utility Adjustment sheet(s) in the Roadway Plans.

Include an alternate note for projects delivered using model-centric plans.

L. Bridge Name and Number

Place the following bridge name and number on the traffic railings in accordance with the Traffic Railing Standard Plans:

Use the name of the bridge or non-roadway facility being crossed or include the name of both facilities for roadway crossings. e.g.:

NAME	NUMBER
SABLE TRACE BRIDGE	XXXXXX

M. Screedign Decks

Screed the riding surface of the Bridge Deck and Approach slabs to achieve the Finish Grade Elevations shown in the plans. Account for theoretical deflections due to self weight, deck and temporary shoring, etc. as required

N. STAY-IN-PLACE DECK FORMS

Stay in place deck forms will not be permitted on this project.

O. JOINTS IN CONCRETE

Construction joints will be permitted only at the locations indicated in the plans. Additional construction joints or alterations to those shown shall require approval of the Engineer.

P. CAST-IN-PLACE (C-I-P) TOPPING:

Thoroughly saturate the top surface of the FSBs with water in accordance with Specification 400 for 12 hours immediately prior placing the C-I-P topping. Remove standing water prior to placing the C.I.P. topping. Cure the C-I-P topping in accordance with the Specification 400 requirements for bridge decks.

Q. ABBREVIATIONS:

EB - End Bent
 IB - Intermediate Bent
 PEJM - Premolded Expansion Joint Material
 PGP - Profile Grade Point
 U.O.N. - Unless Otherwise Noted

For Standard Abbreviations, see FDOT Standard Plans Abbreviation Sheet

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 JAMEA POTER LONG, P.E.
 FLORIDA LICENSE NUMBER
 58677

KHA PROJECT
 148860000
 DATE
 JANUARY 2024
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 CHECKED BY TWF

GENERAL NOTES

CENTRAL PARC AT
 NORTH PORT
 PREPARED FOR
 SABAL TRACE DEVELOPMENT
 PARTNERS, LLC
 NORTH PORT, FLORIDA

SHEET NUMBER

B1-02

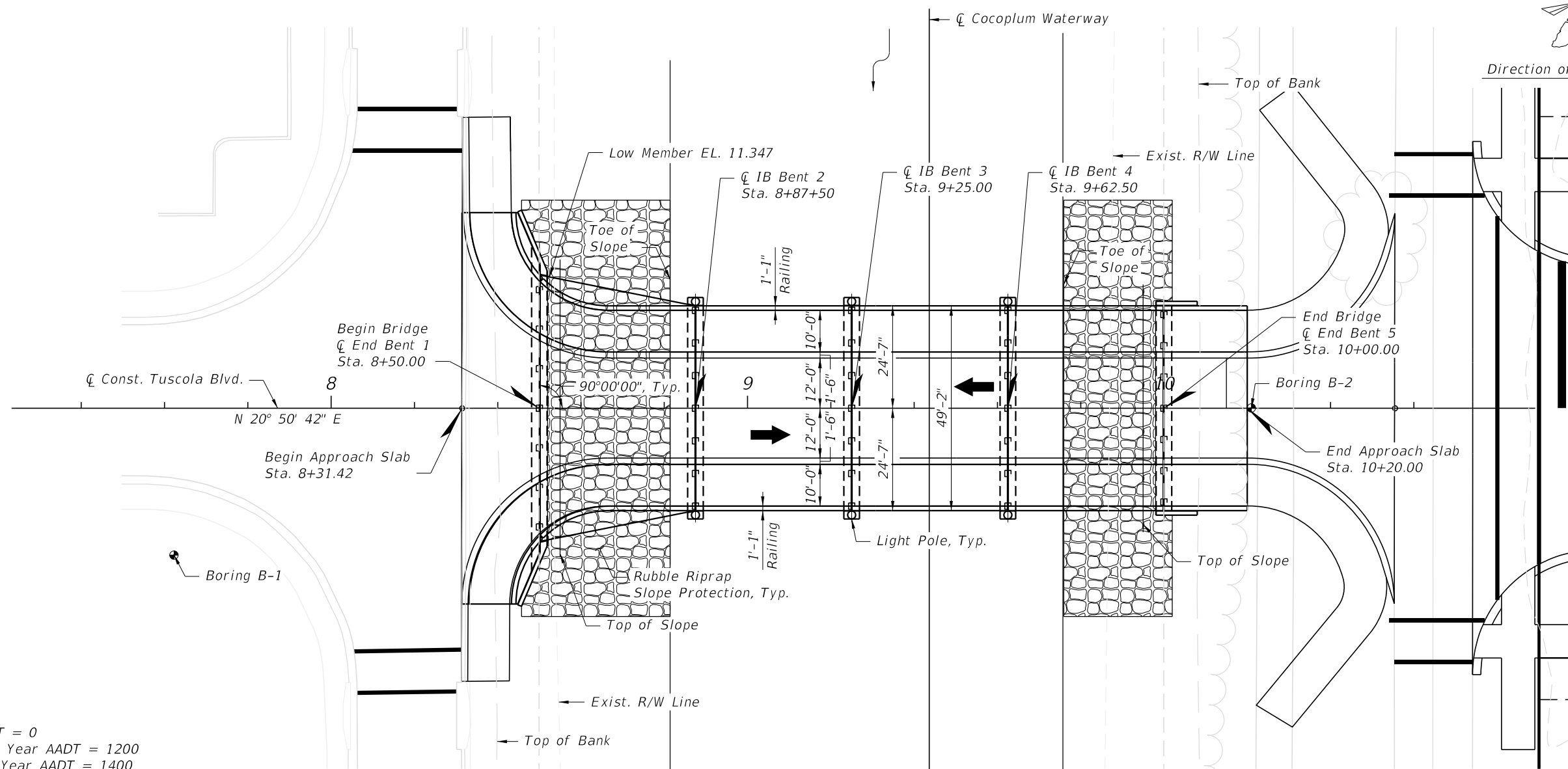
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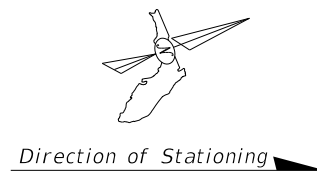
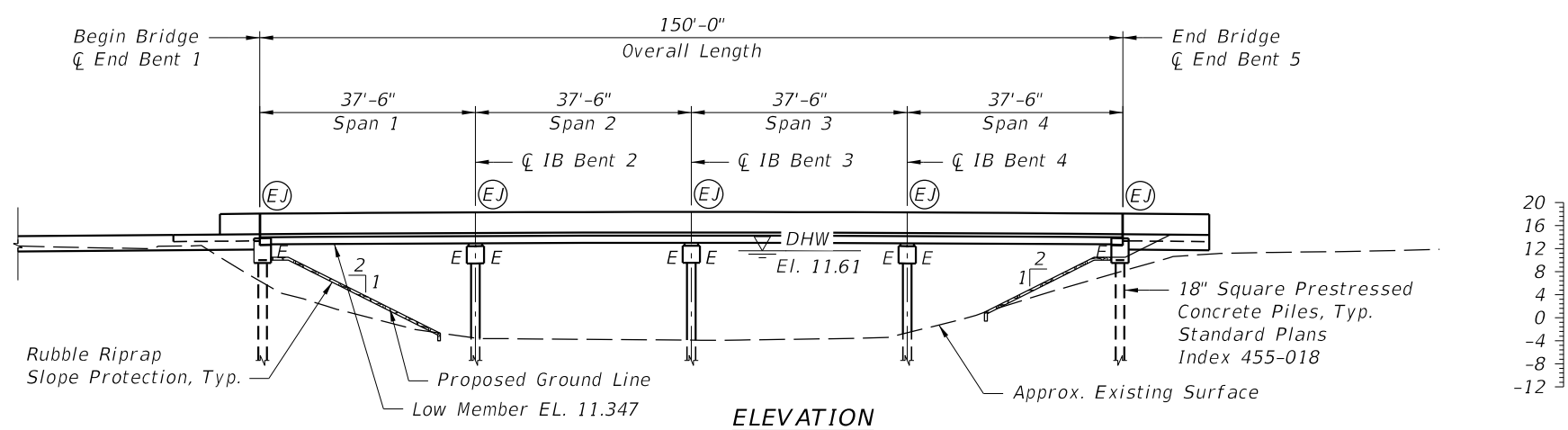
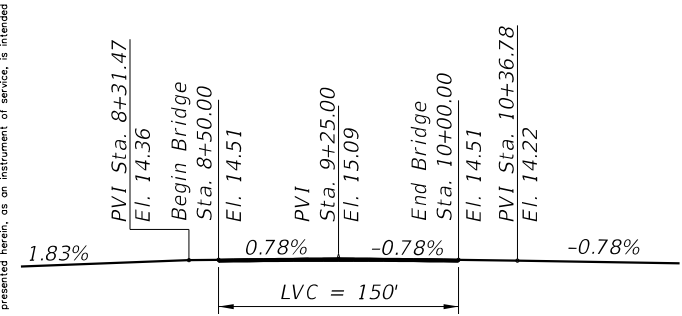
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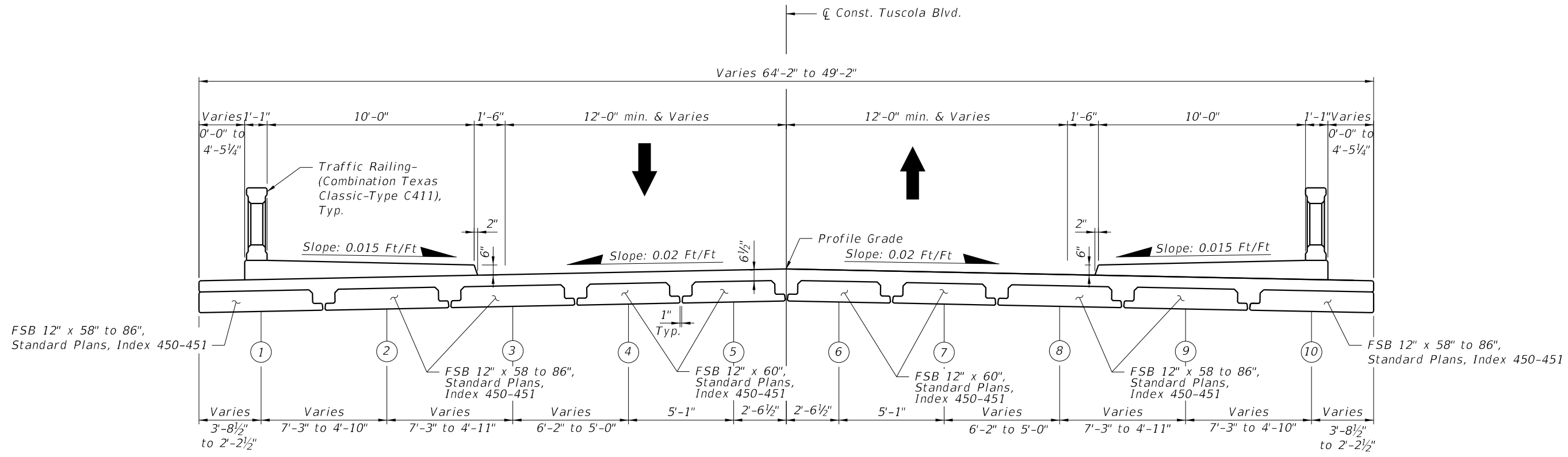


TRAFFIC DATA
 Current Year AADT = 0
 Estimated Opening Year AADT = 1200
 Estimated Design Year AADT = 1400
 Design Speed = 35 mph
 K = 11.0%
 D = 51.0%
 T_s = 2.0%

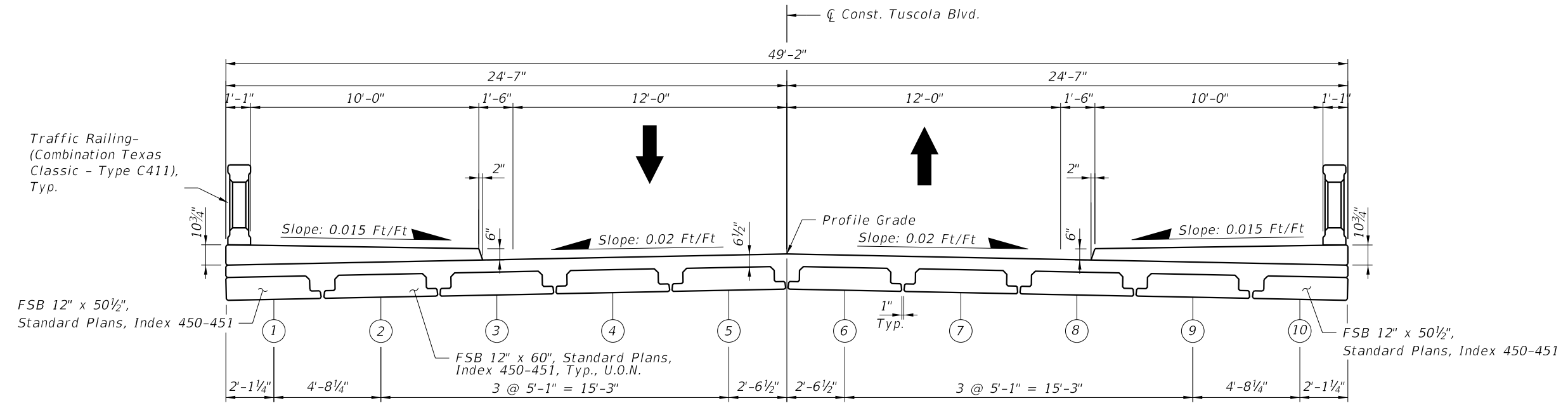


PLAN AND ELEVATION	KHA PROJECT 148860000 DATE JANUARY 2024 SCALE AS SHOWN DESIGNED BY JML DRAWN BY JML CHECKED BY TWF	LICENSED PROFESSIONAL JAMEA POTER LONG, P.E. FLORIDA LICENSE NUMBER 58677	Kimley»Horn <small>© 2024 KIMLEY-HORN AND ASSOCIATES, INC. 1920 MEKIVA WAY SUITE 200, WEST PALM BEACH, FL 33411 PHONE: 561-845-0665 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106</small>	SHEET NUMBER B1-03 BRIDGE No. XXXXXX
CENTRAL PARC AT NORTH PORT PREPARED FOR SABAL TRACE DEVELOPMENT PARTNERS, LLC NORTH PORT, FLORIDA	REVISIONS No. _____ DATE _____ BY _____	No. _____ DATE _____ BY _____	No. _____ DATE _____ BY _____	No. _____ DATE _____ BY _____

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TYPICAL SECTION
(Span 1)

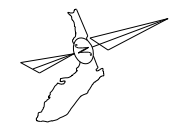


TYPICAL SECTION
(Spans 2, 3 & 4)

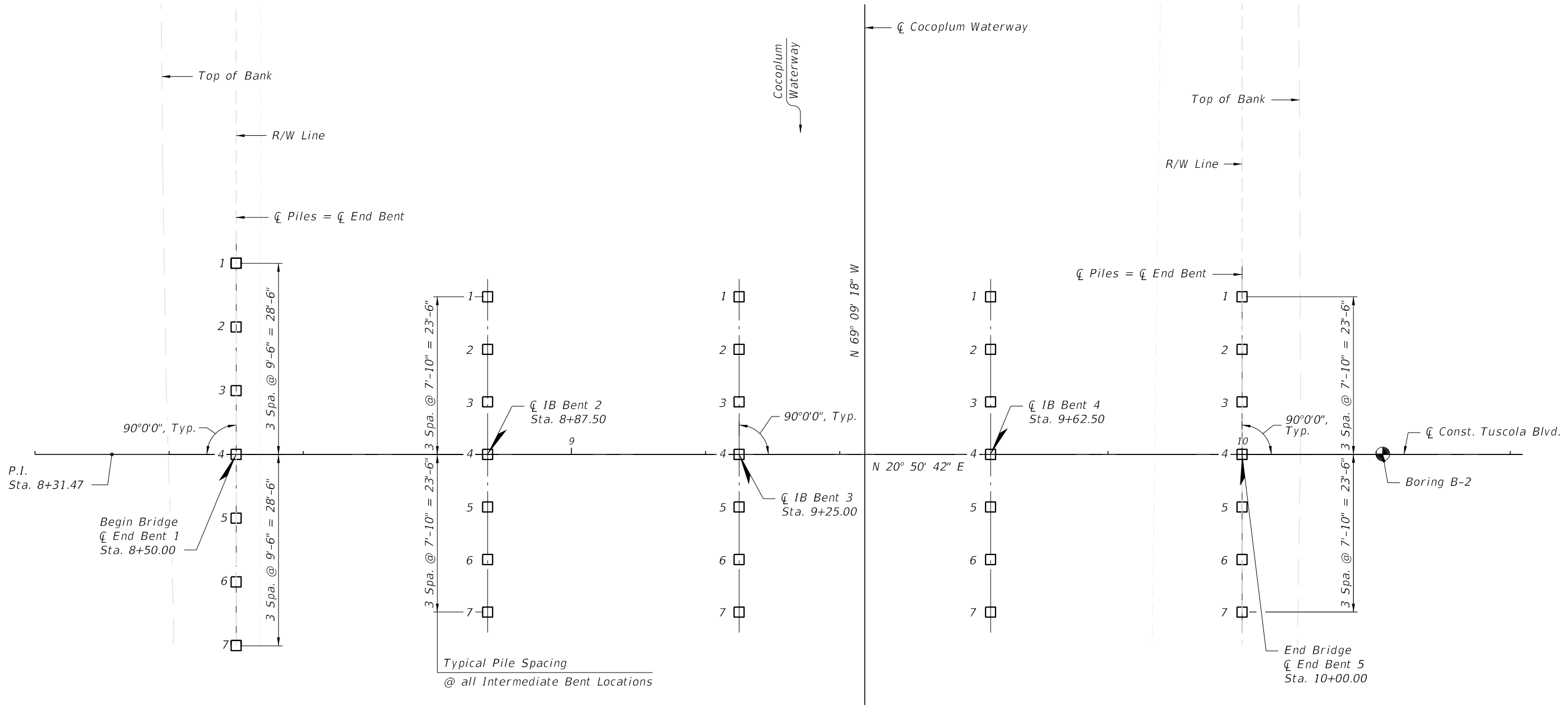
Bridge No. XXXXXX

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KHA PROJECT 148860000	DATE JANUARY 2024
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TYPICAL SECTION	
CENTRAL PARC AT NORTH PORT PREPARED FOR SABAL TRACE DEVELOPMENT PARTNERS, LLC NORTH PORT FLORIDA	
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Direction of Stationing →



PLAN

LEGEND:

- - Indicates Proposed Plumb 18" Square Prestressed Concrete Pile
- - Indicates Proposed Plumb 18" Square Prestressed Concrete Test Pile
- ⊕ - Indicates Boring Location

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FOUNDATION LAYOUT				
CENTRAL PARC AT NORTH PORT PREPARED FOR SABAL TRACE DEVELOPMENT PARTNERS, LLC NORTH PORT FLORIDA				
SHEET NUMBER B1-06				REVISIONS No. DATE BY

Bridge No. XXXXXX

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PILE DATA TABLE																			Table Date 01/01/16			
INSTALLATION CRITERIA								DESIGN CRITERIA							PILE CUT-OFF ELEVATIONS							
PIER or BENT NUMBER	PILE SIZE (in.)	NOMINAL BEARING RESISTANCE (tons)	NOMINAL UPLIFT RESISTANCE (tons)	MINIMUM TIP ELEVATION (ft.)	TEST PILE LENGTH (ft.)	REQUIRED JET ELEVATION (ft.)	REQUIRED PREFORM ELEVATION (ft.)	FACTORED DESIGN LOAD (tons)	FACTORED DESIGN UPLIFT LOAD (tons)	DOWN DRAG (tons)	TOTAL SCOUR RESISTANCE (tons)	NET SCOUR RESISTANCE (tons)	100-YEAR SCOUR ELEVATION (ft.)	Ø COMPRESSION	Ø UPLIFT	PILE 1	PILE 2	PILE 3	PILE 4	PILE 5	PILE 6	PILE 7
End Bent 1	18"	162	NA	NA	47	NA	-6.122	105	NA	NA	NA	NA	NA	0.65		10.3	10.5	10.7	10.9	10.7	10.5	10.3
IB Bent 2	18"	186.5	NA	-22	50	NA	-6.122	121	NA	NA	NA	NA	NA	0.65		10.7	10.9	11.0	11.2	11.0	10.9	10.7
IB Bent 3	18"	186.5	NA	-22	50	NA	-6.122	121	NA	NA	NA	NA	NA	0.65		11.0	11.2	11.3	11.5	11.3	11.2	11.0
IB Bent 4	18"	186.5	NA	-22	50	NA	-6.122	121	NA	NA	NA	NA	NA	0.65		10.7	10.9	11.0	11.2	11.0	10.9	10.7
End Bent 2	18"	135.5	NA	NA	38	NA	-6.122	88	NA	NA	NA	NA	NA	0.65		10.4	10.6	10.7	10.9	10.7	10.6	10.4

$$\frac{\text{Factored Design Load} + \text{Net Scour Resistance} + \text{Down Drag}}{\emptyset} \leq \text{Nominal Bearing Resistance}$$

UPLIFT RESISTANCE - The ultimate side friction capacity that must be obtained below the 100 year scour elevation to resist pullout of the pile (Specify only when design requires uplift capacity).

TOTAL SCOUR RESISTANCE - An estimate of the ultimate static side friction resistance provided by the scourable soil.

NET SCOUR RESISTANCE - An estimate of the ultimate static side friction resistance provided by the soil from the required preformed or jetting elevation to the scour elevation.

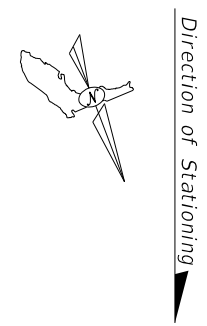
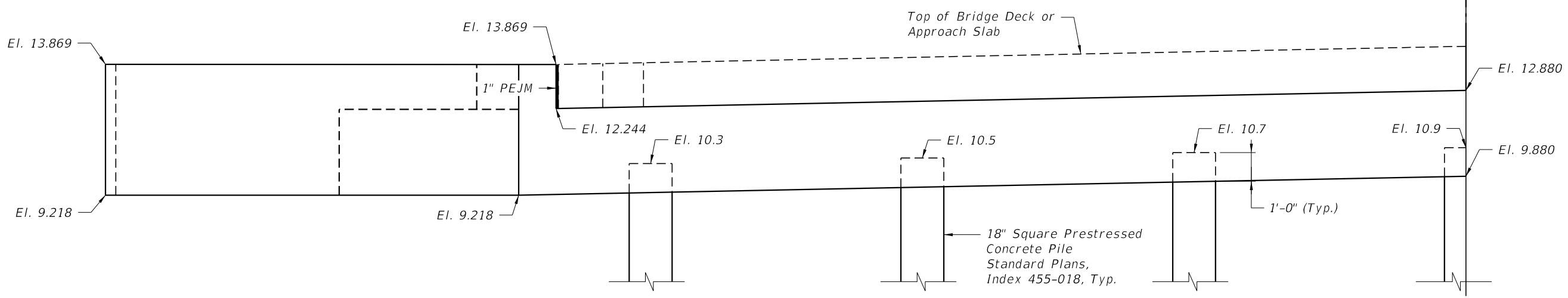
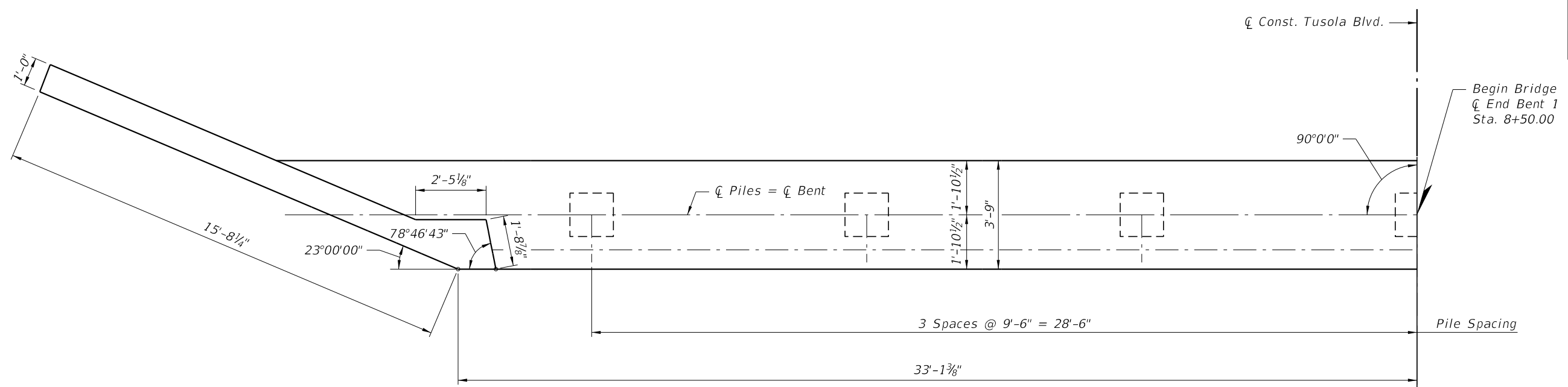
100-YEAR SCOUR ELEVATION - Estimated elevation of scour due to the 100 year storm event.

PILE INSTALLATION NOTES [Notes Date 7-01-13]:

- Contractor to verify location of all utilities prior to any pile installation activities.
- Minimum Tip Elevation is required for lateral stability.
- When a required jetting elevation is shown, the jet shall be lowered to the elevation and continue to operate at this elevation until the pile driving is completed. If jetting or preforming elevations differ from those shown on the table, the Engineer shall be responsible for determination of the required driving resistance.
- No jetting will be allowed without the approval of the Engineer.
- The Contractor should not anticipate being allowed to jet piles below the 100-year scour elevation or required jet elevation, whichever is deeper.
- At each Bent, pile driving is to commence at the center of the Bent and proceed outward.
- Perform dynamic load testing on all test piles in accordance with FDOT Standard Specifications Section 455-5.14.

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KHA PROJECT 148860000 DATE JANUARY 2024 SCALE AS SHOWN DESIGNED BY JML DRAWN BY --- CHECKED BY TWF	PILE DATA TABLE
CENTRAL PARC AT NORTH PORT PREPARED FOR SABAL TRACE DEVELOPMENT PARTNERS, LLC NORTH PORT FLORIDA	SHEET NUMBER B1-07
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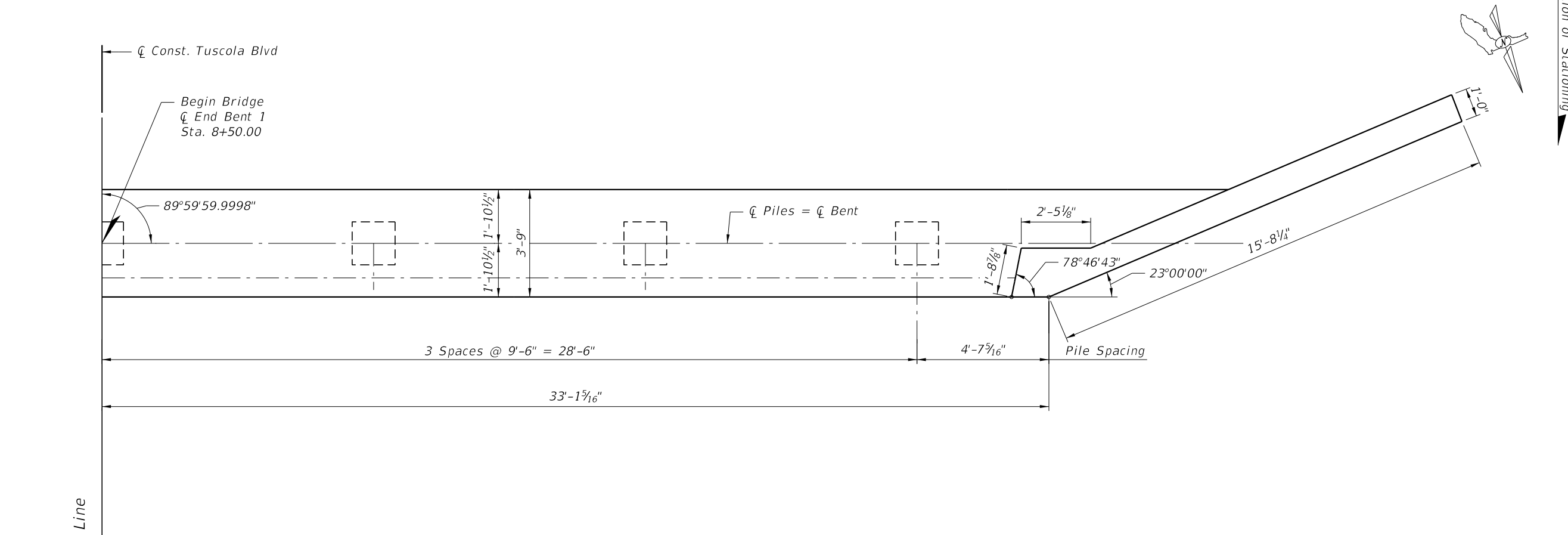
**END BENT 1
 LAYOUT (1 OF 2)**

**CENTRAL PARC AT
 NORTH PORT**
 PREPARED FOR
**SABAL TRACE DEVELOPMENT
 PARTNERS, LLC**
 NORTH PORT FLORIDA

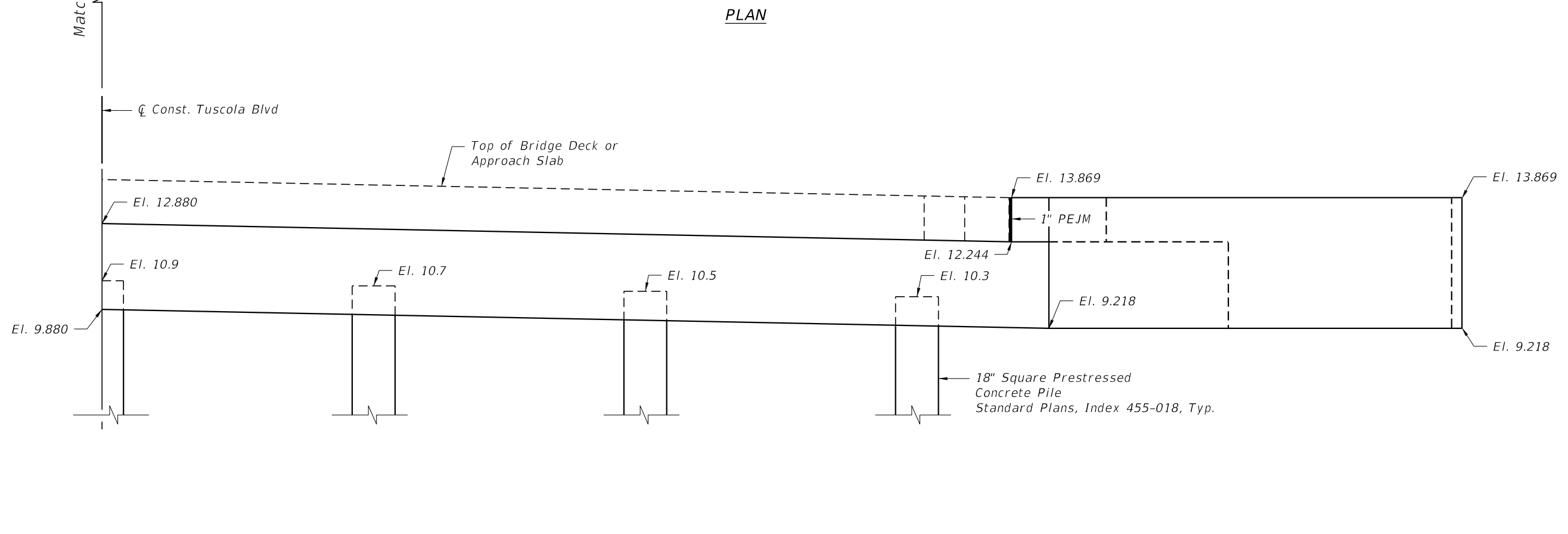
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Bridge No. XXXXXX

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PLAN



ELEVATION

Bridge No. XXXXXX

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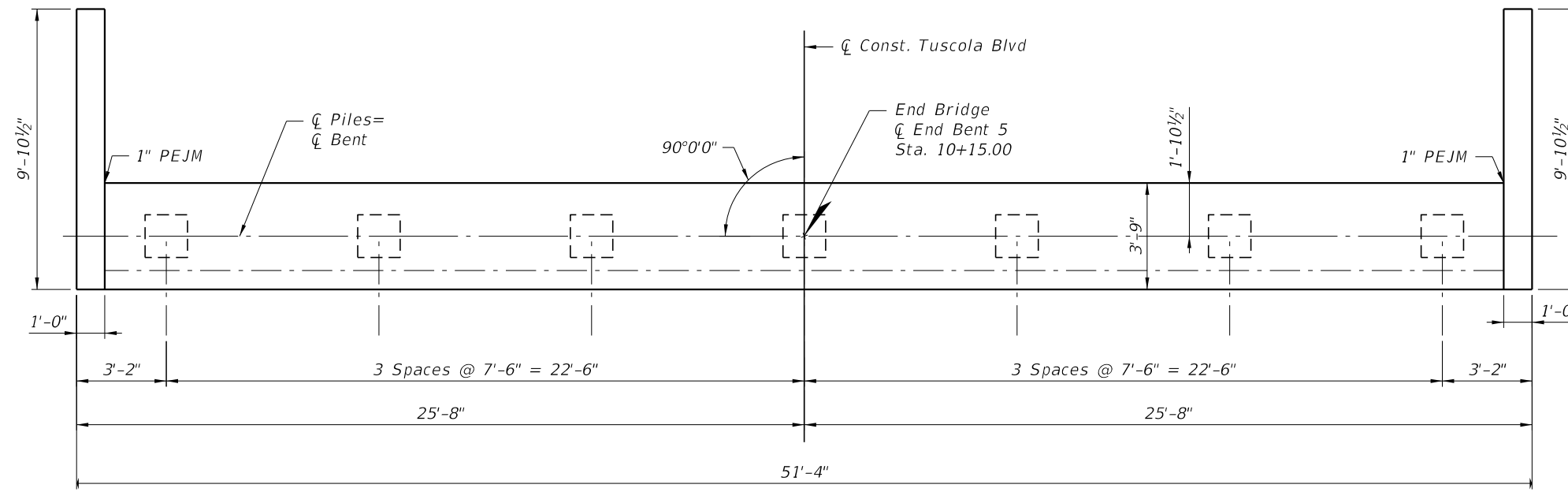
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**END BENT 1
LAYOUT (2 OF 2)**

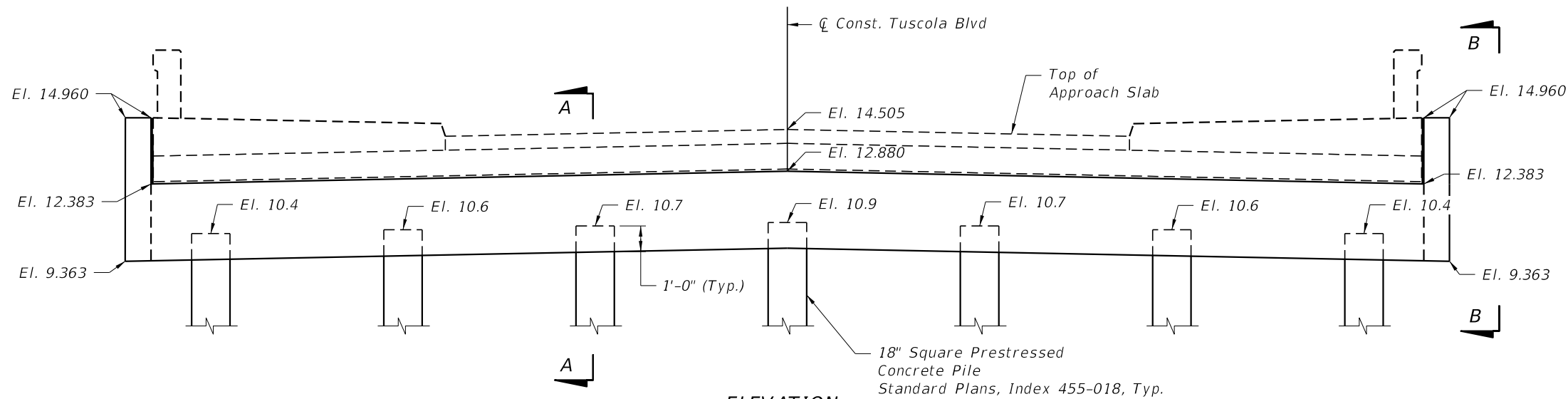
**CENTRAL PARC AT
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SHEET NUMBER
B1-09

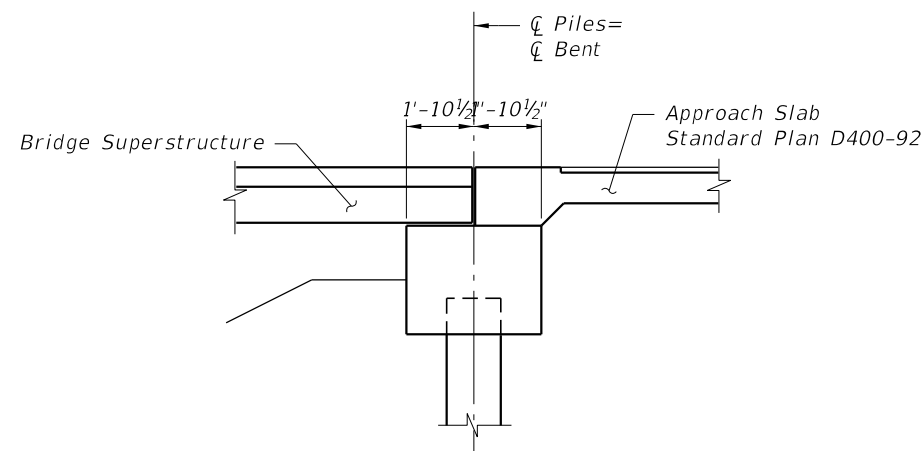
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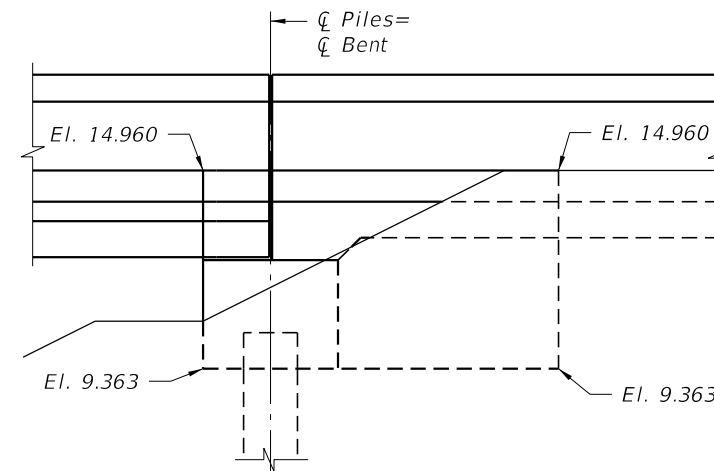
PLAN



ELEVATION



SECTION A-A

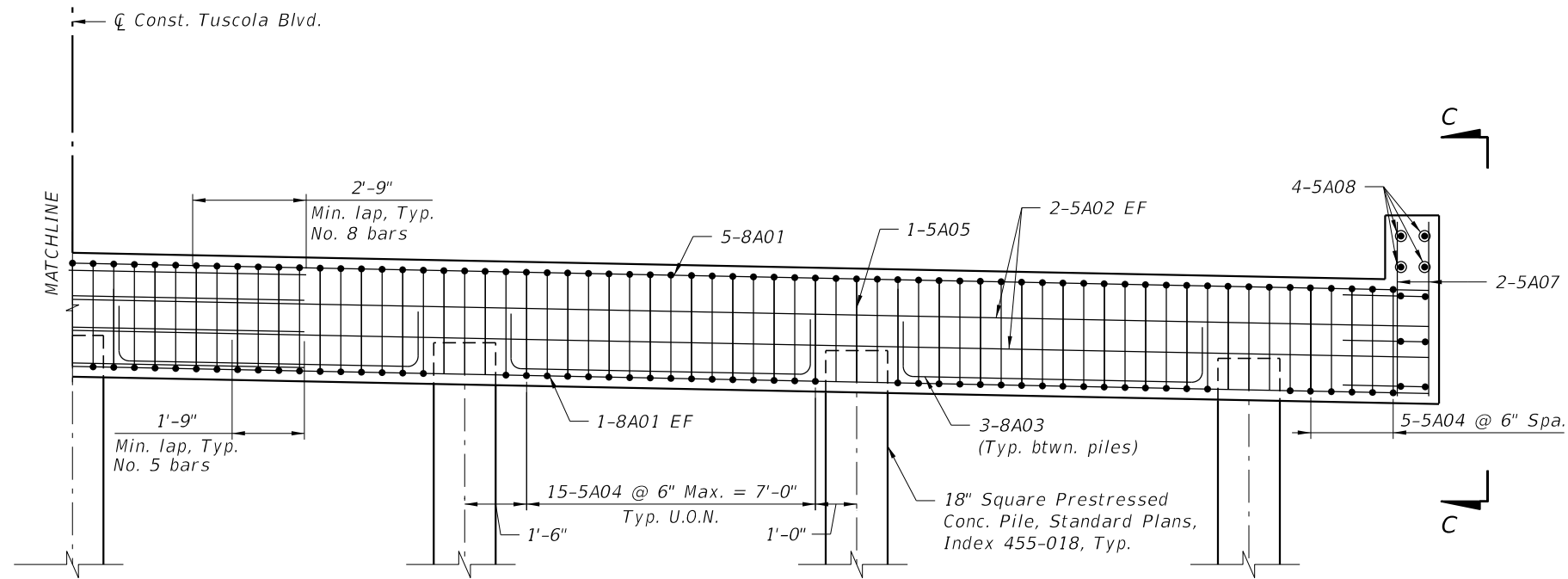
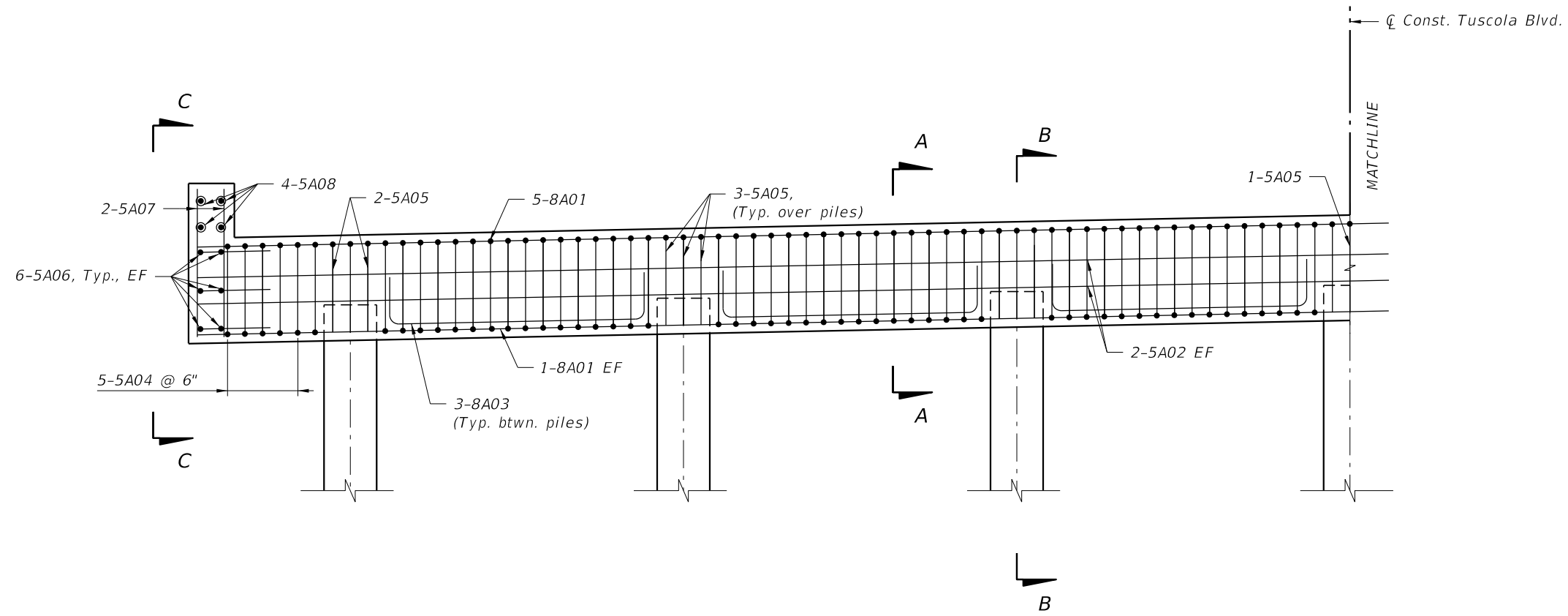


VIEW B-B

Bridge No. XXXXXX

END BENT 5 LAYOUT	CENTRAL PARC AT NORTH PORT PREPARED FOR SABAL TRACE DEVELOPMENT PARTNERS, LLC NORTH PORT, FLORIDA	SHEET NUMBER B1-10
KHA PROJECT: 148860000 DATE: JANUARY 2024 SCALE: AS SHOWN DESIGNED BY: JML DRAWN BY: --- CHECKED BY: TWF	LICENSED PROFESSIONAL JAMEA POTER LONG, P.E. FLORIDA LICENSE NUMBER: 58677	REVISIONS No. DATE BY
© 2024 KIMLEY-HORN AND ASSOCIATES, INC. 1920 MEKIVA WAY SUITE 200, WEST PALM BEACH, FL 33411 PHONE: 561-845-0665 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106		

Drawing name: kelly.word 1/31/2024 9:45:18 AM c:\pwworking\140108341\B1EndBentDet01.dgn
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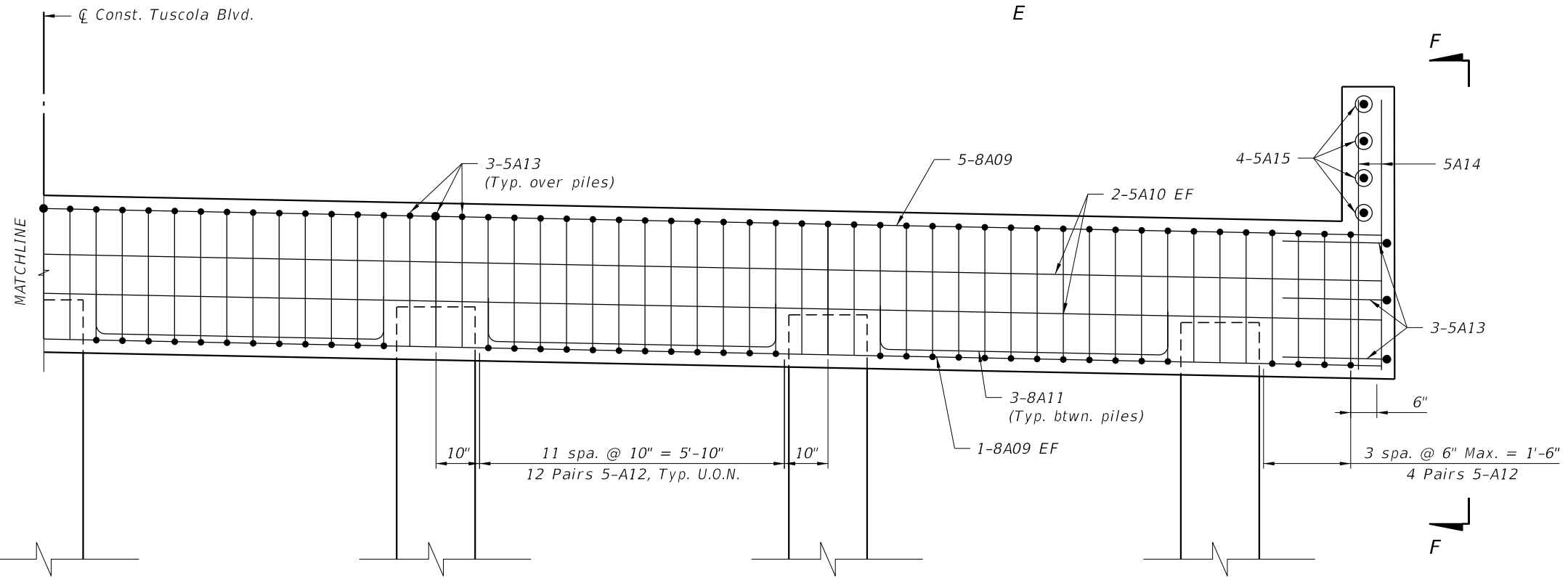
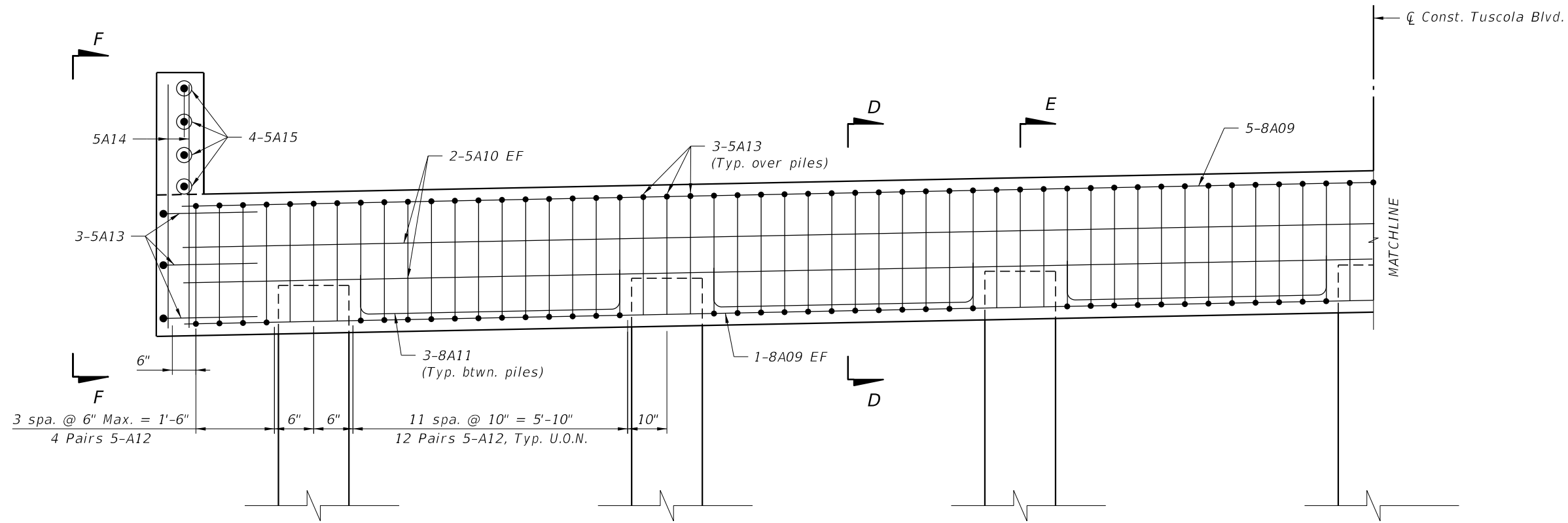
ELEVATION
End Bent 1

Notes:
1. For Sections A-A, B-B, and C-C see "End Bent Details (3 of 3)".

Bridge No. XXXXXX

CENTRAL PARC AT NORTH PORT PREPARED FOR SABAL TRACE DEVELOPMENT PARTNERS, LLC NORTH PORT FLORIDA	END BENT DETAILS (1 OF 3)	Kimley»Horn <small>© 2024 KIMLEY-HORN AND ASSOCIATES, INC. 1920 MEKIVA WAY SUITE 200, WEST PALM BEACH, FL 33411 PHONE: 561-845-0665 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106</small>
KHA PROJECT 148860000 DATE JANUARY 2024 SCALE AS SHOWN DESIGNED BY JML DRAWN BY CHECKED BY TWF	LICENSED PROFESSIONAL JAMEA POTTER LONG, P.E. FLORIDA LICENSE NUMBER 58677	No. _____ REVISIONS _____ DATE _____ BY _____
SHEET NUMBER	B1-11	

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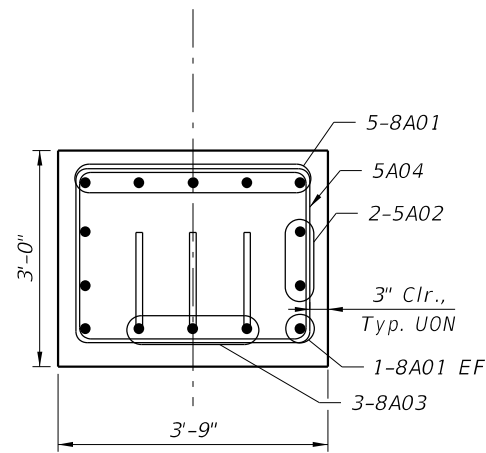
ELEVATION
(End Bent 5)

- Notes:
1. For Sections D-D, E-E, and F-F see "End Bent Details (3 of 3)".
 2. Elevations shown are at centerline of bent.

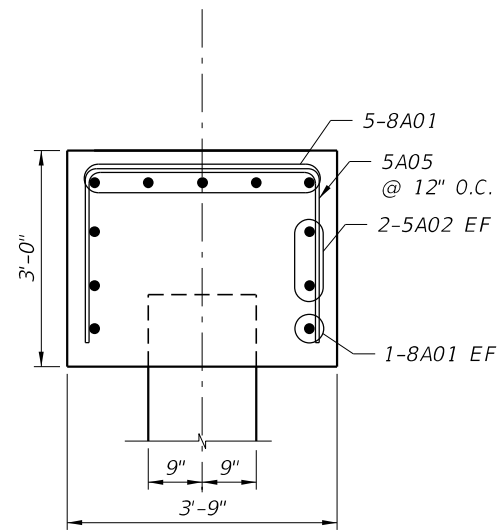
Bridge No. XXXXXX

CENTRAL PARC AT NORTH PORT	PREPARED FOR SABAL TRACE DEVELOPMENT PARTNERS, LLC	FLORIDA NORTH PORT	END BENT DETAILS (2 OF 3)	KHA PROJECT 148860000 DATE JANUARY 2024 SCALE AS SHOWN DESIGNED BY JML DRAWN BY CHECKED BY TWF	LICENSED PROFESSIONAL JAMEA POTER LONG, P.E. FLORIDA LICENSE NUMBER 58677		© 2024 KIMLEY-HORN AND ASSOCIATES, INC. 1920 MEKIVA WAY SUITE 200, WEST PALM BEACH, FL 33411 PHONE: 561-845-0865 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM	REVISIONS No. _____ DATE _____ BY _____
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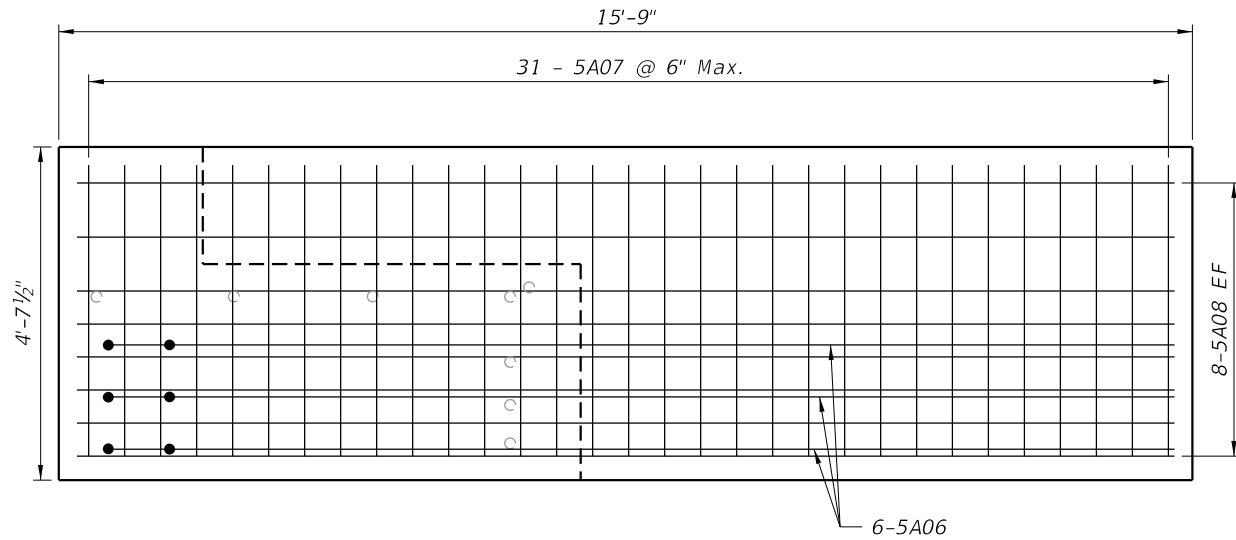
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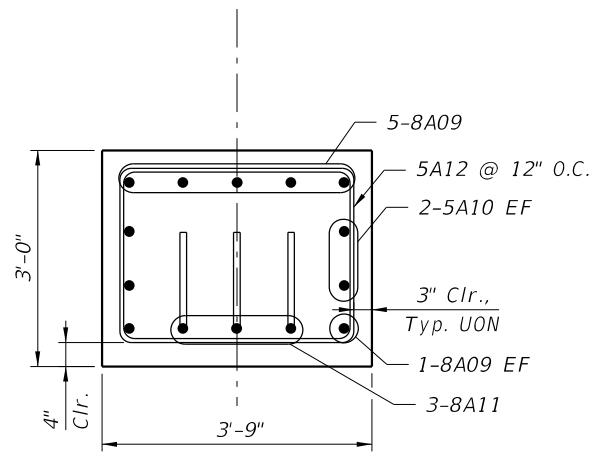
SECTION A-A
(End Bent 1)



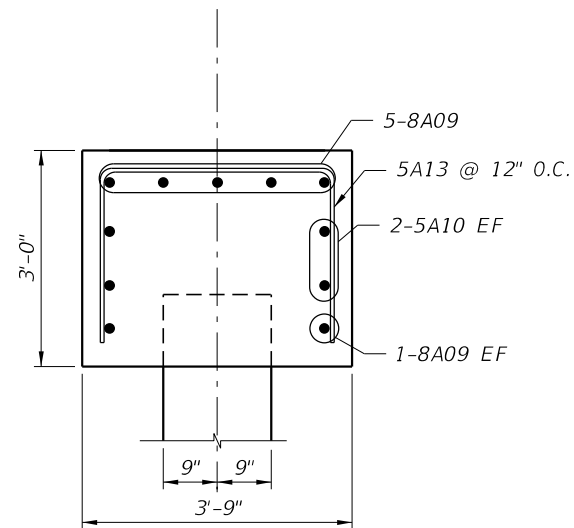
SECTION B-B
(End Bent 1)



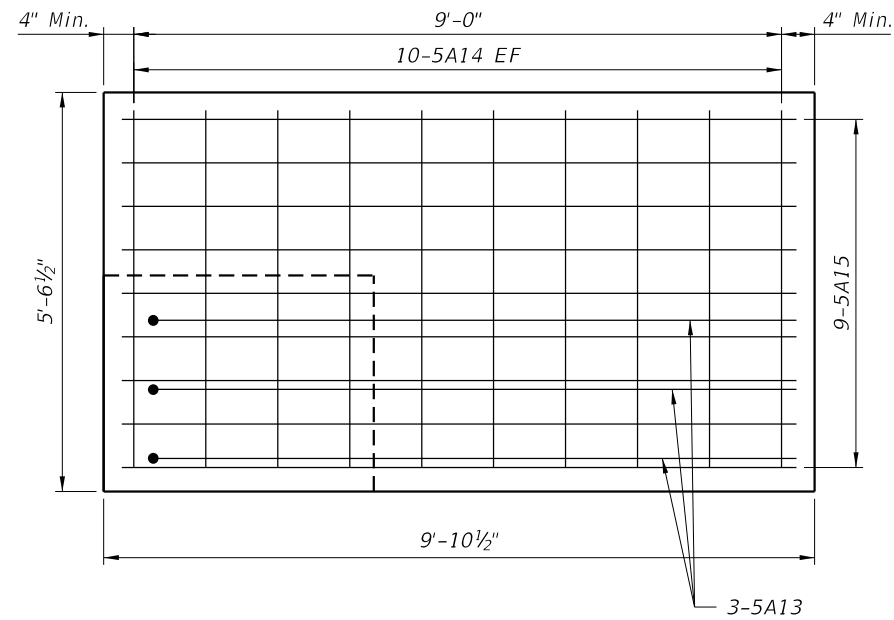
VIEW C-C
(End Bent 1)



SECTION D-D
(End Bent 5)



SECTION E-E
(End Bent 5)



VIEW F-F
(End Bent 5)

No.	REVISIONS	DATE	BY

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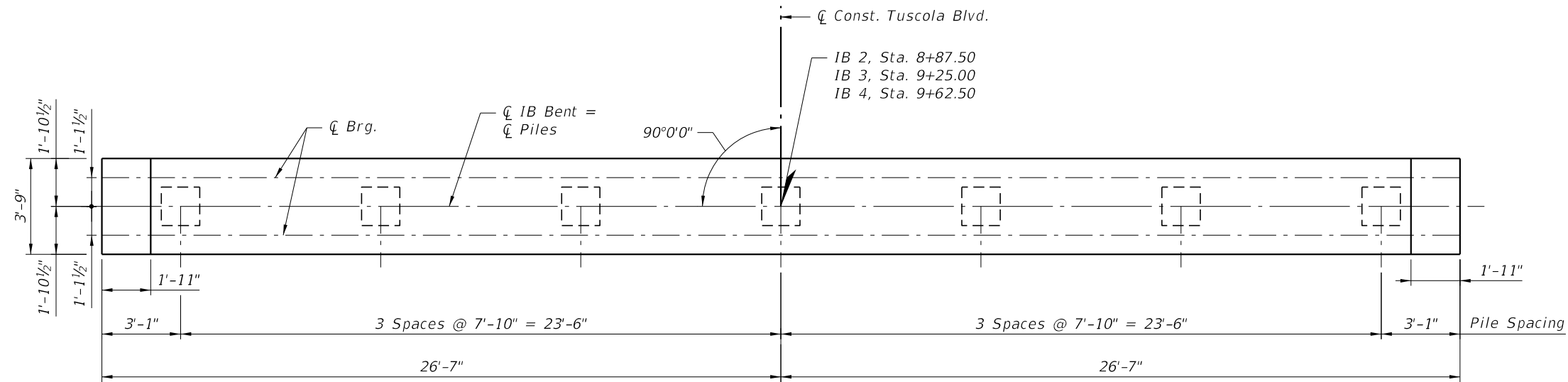
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JAMEA POTER LONG, P.E.
 FLORIDA LICENSE NUMBER
 58677

KHA PROJECT 148860000	DESIGNED BY JML	CHECKED BY TWF
DATE JANUARY 2024	SCALE AS SHOWN	

END BENT DETAILS
(3 OF 3)

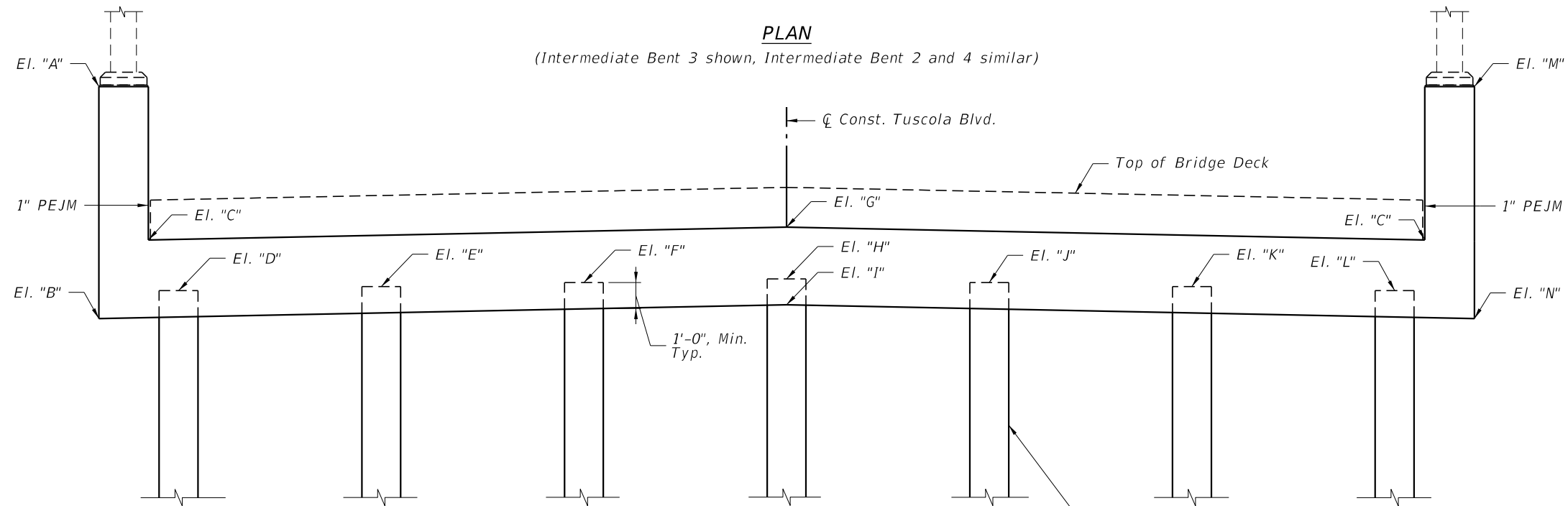
CENTRAL PARC AT NORTH PORT
 PREPARED FOR
SABAL TRACE DEVELOPMENT PARTNERS, LLC
 NORTH PORT FLORIDA

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PLAN

(Intermediate Bent 3 shown, Intermediate Bent 2 and 4 similar)

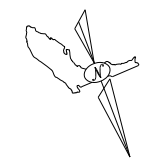


ELEVATION

(Intermediate Bent 3 shown, Intermediate Bent 2 and 4 similar)

TABLE OF ELEVATIONS

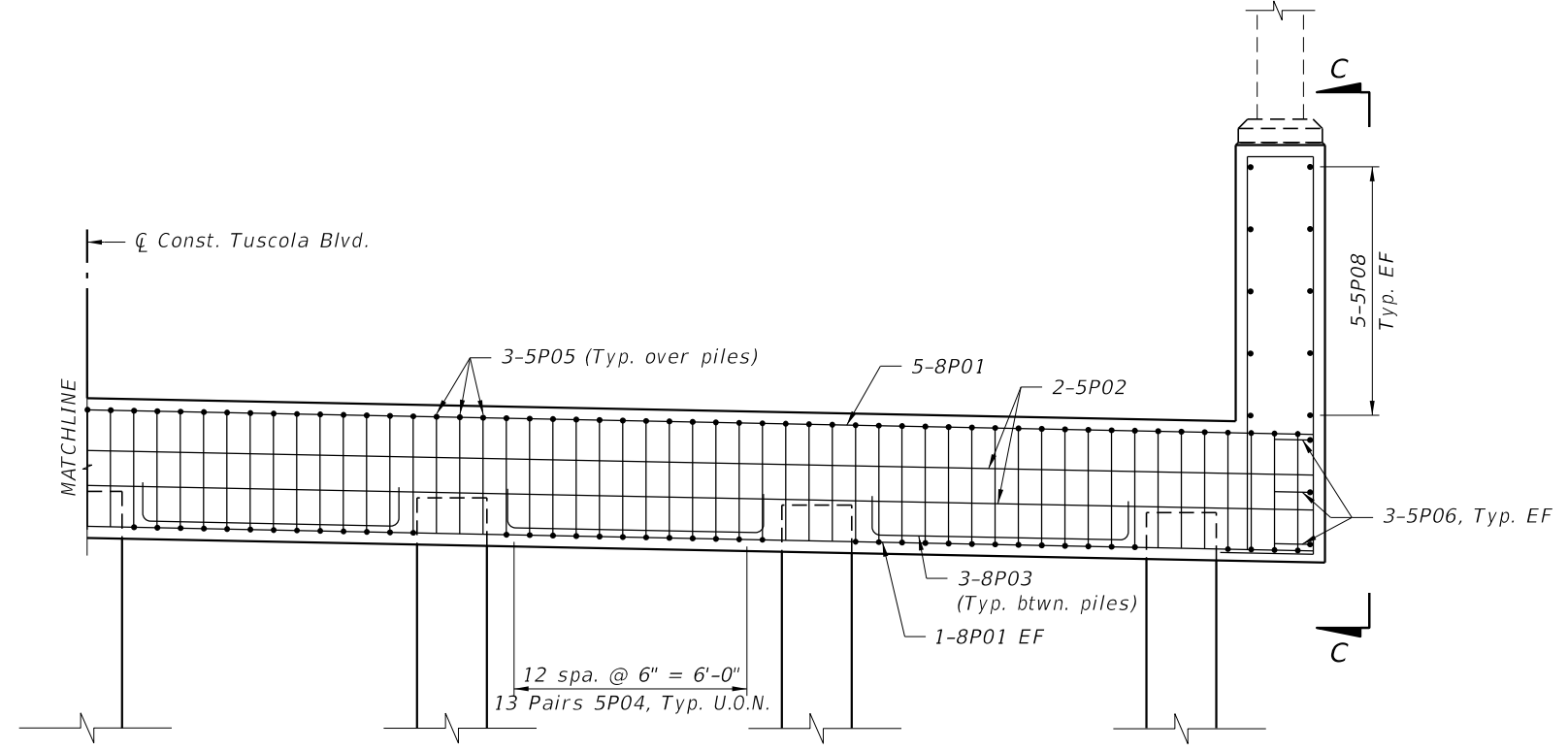
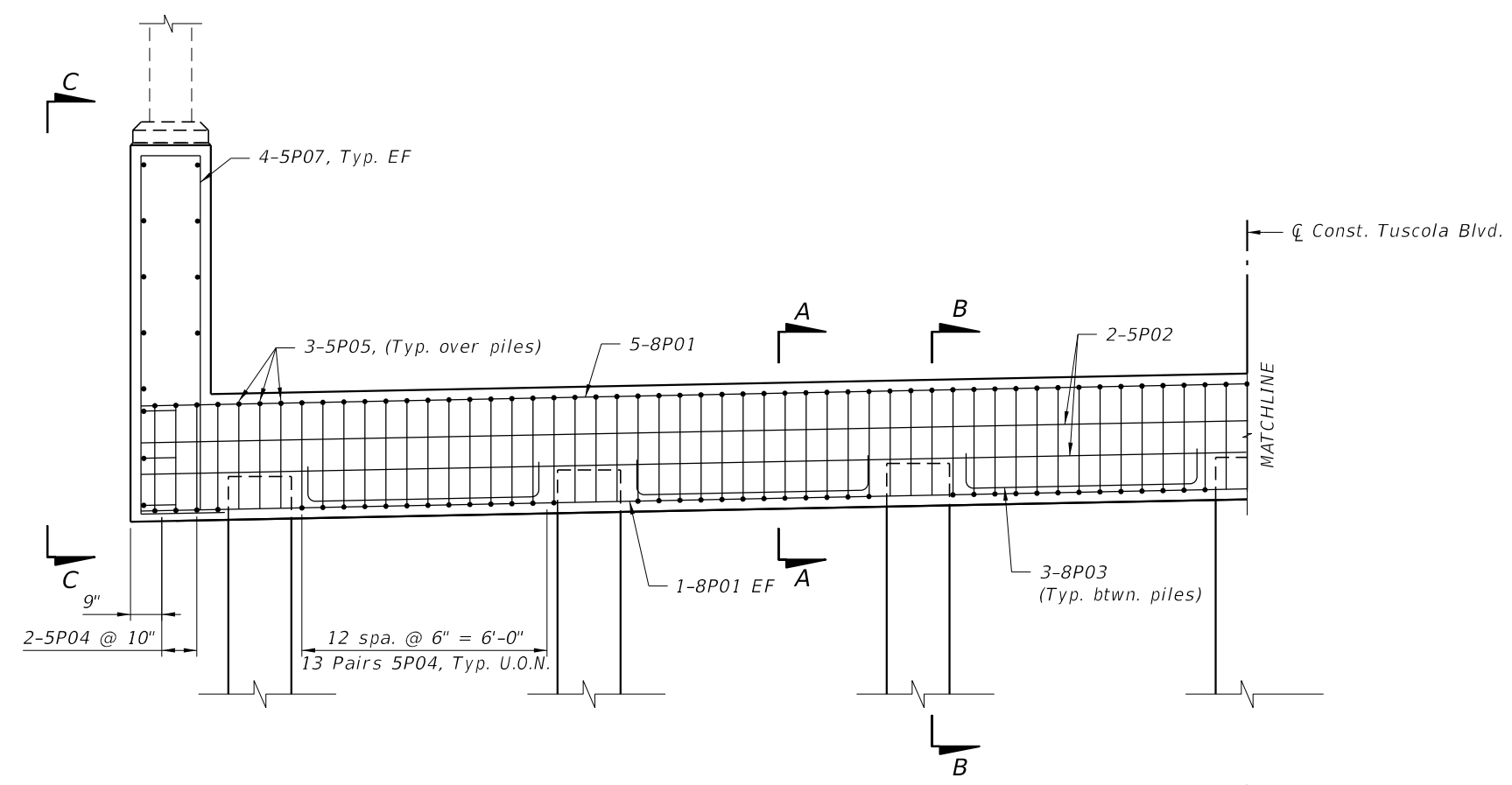
LOCATION	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"I"	"J"	"K"	"L"	"M"	"N"
Pile Bent 2	20.231	11.265	12.680	10.7	10.9	11.0	13.172	11.2	10.172	11.0	10.9	10.7	20.231	11.265
Pile Bent 3	20.524	11.558	12.973	11.0	11.2	11.3	13.465	11.5	10.465	11.3	11.2	11.0	20.524	11.558
Pile Bent 4	20.231	11.265	12.680	10.7	10.9	11.0	13.172	11.2	10.172	11.0	10.9	10.7	20.231	11.265



Direction of Stationing

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INTERMEDIATE BENT LAYOUT		
CENTRAL PARC AT NORTH PORT <small>PREPARED FOR SABAL TRACE DEVELOPMENT PARTNERS, LLC</small> NORTH PORT FLORIDA		
SHEET NUMBER B1-14		
		REVISIONS No. DATE BY

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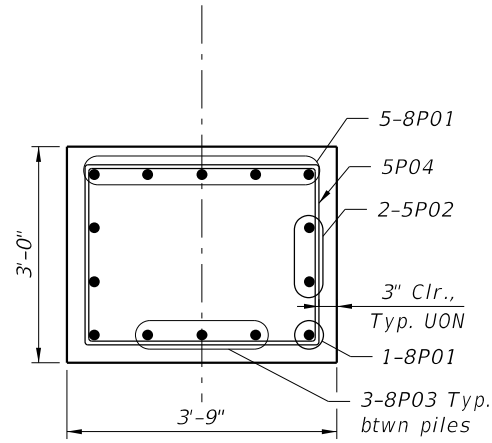
ELEVATION

- Notes:
1. For Sections A-A, B-B, and C-C see "Intermediate Bent Details (2 of 2)".
 2. Elevations shown are at centerline of bent.

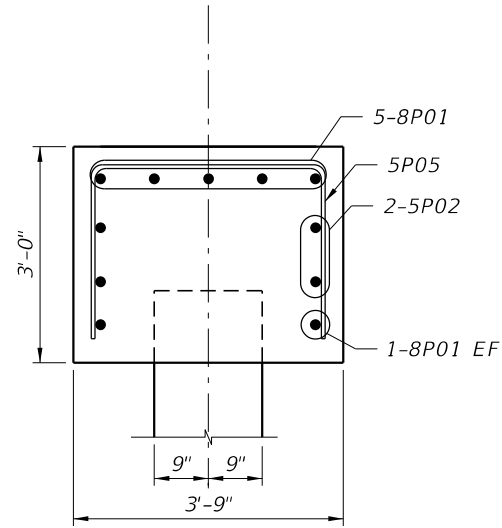
CENTRAL PARC AT NORTH PORT <small>PREPARED FOR</small> SABAL TRACE DEVELOPMENT PARTNERS, LLC <small>NORTH PORT</small> FLORIDA	INTERMEDIATE BENT DETAILS (1 OF 2)	<small>KHA PROJECT</small> 148860000 <small>DATE</small> JANUARY 2024 <small>SCALE AS SHOWN</small> JML <small>DESIGNED BY</small> JML <small>DRAWN BY</small> -- <small>CHECKED BY</small> TWF	<small>LICENSED PROFESSIONAL</small> JAMEA POTER LONG, P.E. <small>FLORIDA LICENSE NUMBER</small> 58677 <small>WWW.KIMLEY-HORN.COM</small>
<small>SHEET NUMBER</small> B1-15	<small>BRIDGE NO.</small> XXXXXX	<small>REVISIONS</small> No.	<small>DATE</small> BY

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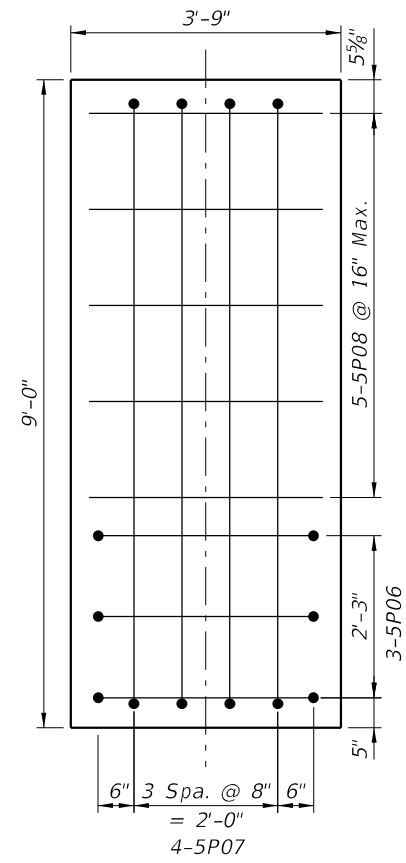
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SECTION A-A



SECTION B-B



VIEW C-C

Bridge No. XXXXXX

**CENTRAL PARC AT
 NORTH PORT**
 PREPARED FOR
**SABAL TRACE DEVELOPMENT
 PARTNERS, LLC**
 NORTH PORT FLORIDA

**INTERMEDIATE BENT
 DETAILS (2 OF 2)**

KHA PROJECT
 148860000
 DATE
 JANUARY 2024
 SCALE AS SHOWN
 DESIGNED BY JML
 DRAWN BY --
 CHECKED BY TWF

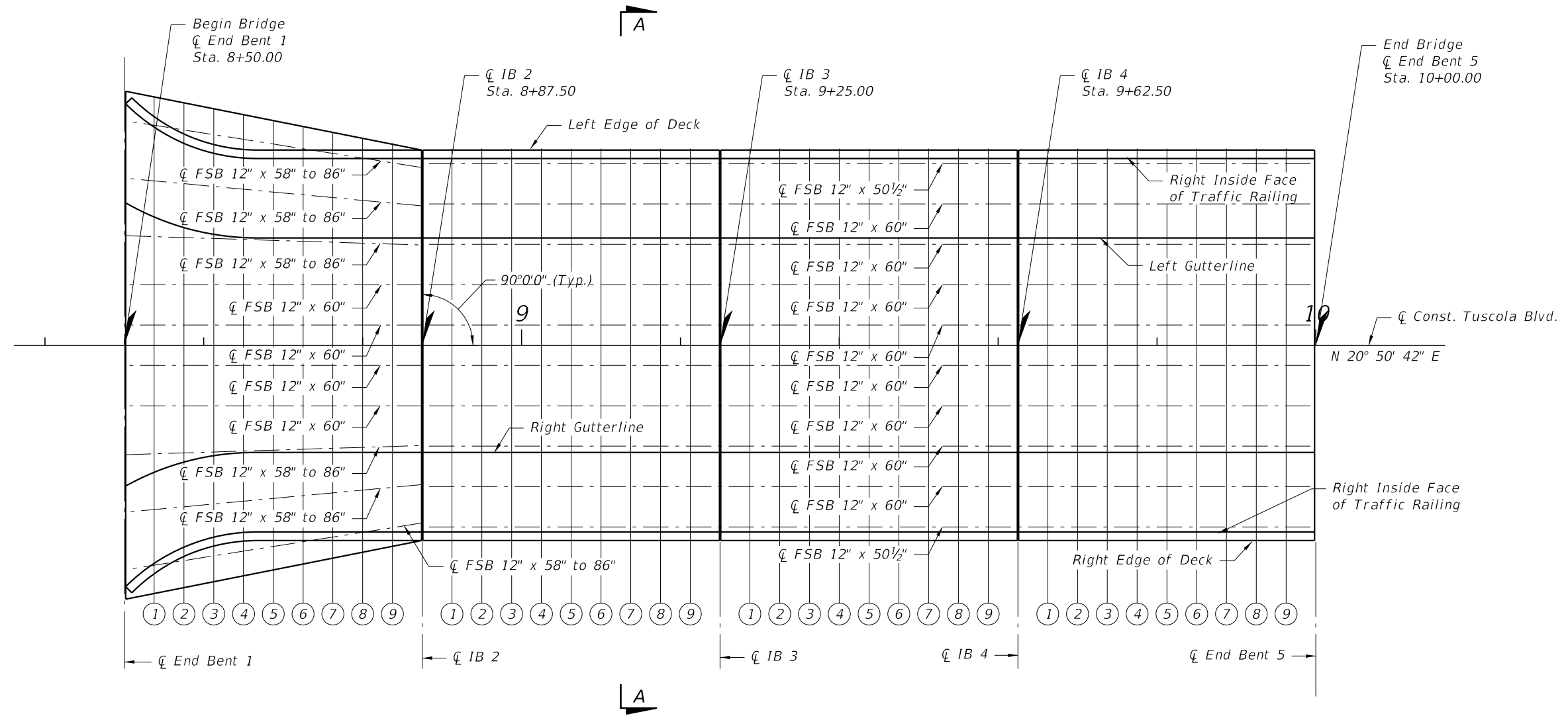
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No.	REVISIONS	DATE	BY

SHEET NUMBER
B1-16

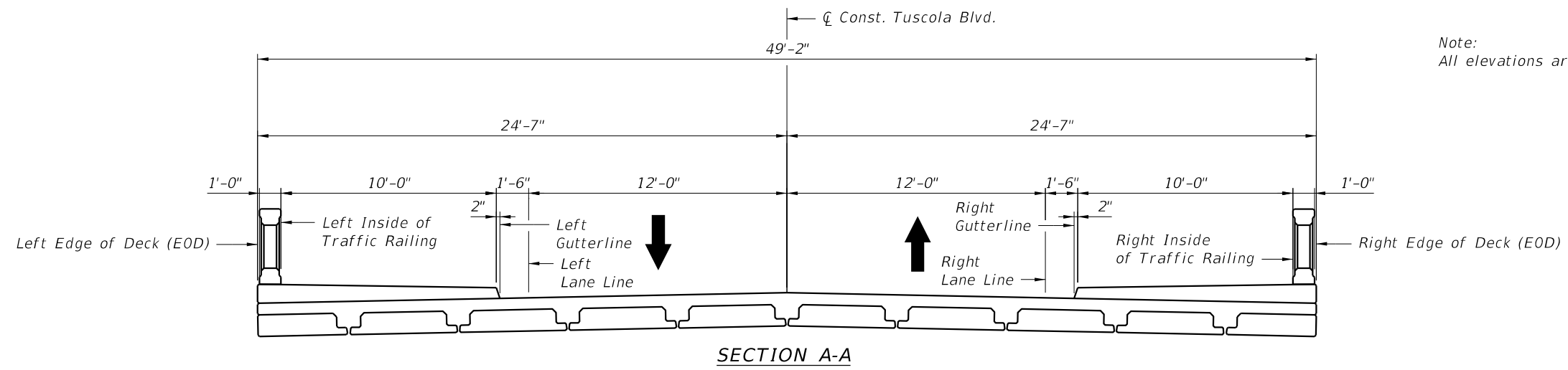
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PLAN

Notes:
 1. For Section A-A, see "Finish Grade Elevations (2 of 2)".

CENTRAL PARC AT NORTH PORT <small>PREPARED FOR</small> SABAL TRACE DEVELOPMENT PARTNERS, LLC <small>NORTH PORT</small> FLORIDA	FINISH GRADE ELEVATIONS (1 OF 2)	<small>KHA PROJECT</small> 148860000 <small>DATE</small> JANUARY 2024 <small>SCALE</small> AS SHOWN <small>DESIGNED BY</small> JML <small>DRAWN BY</small> --- <small>CHECKED BY</small> TWJ	<small>LICENSED PROFESSIONAL</small> JAMEA POTER LONG, P.E. <small>FLORIDA LICENSE NUMBER</small> 58677
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		<small>SHEET NUMBER</small> B1-17	<small>BRIDGE NO.</small> XXXXXX
		<small>REVISIONS</small> No.	<small>DATE</small> BY



SECTION A-A

LOCATION	Beg. Br. \bar{C} End Bent 1	Span 1									\bar{C} IB 2
		1	2	3	4	5	6	7	8	9	
Left EOD (Top of Sidewalk)	14.787	14.799	14.810	14.822	14.834	14.845	14.857	14.869	14.881	14.892	14.904
Left Inside Traffic Railing (Top of Sidewalk)	14.770	14.782	14.793	14.805	14.817	14.828	14.840	14.852	14.864	14.875	14.887
Left Gutterline	14.118	14.130	14.141	14.153	14.165	14.176	14.188	14.2	14.212	14.223	14.235
Left Lane Line	14.148	14.160	14.171	14.183	14.195	14.206	14.218	14.23	14.242	14.253	14.265
\bar{C} Const. Tuscola Blvd. & PGL	14.388	14.400	14.411	14.423	14.435	14.446	14.458	14.47	14.482	14.493	14.505
Right Lane Line	14.148	14.160	14.171	14.183	14.195	14.206	14.218	14.23	14.242	14.253	14.265
Right Gutterline	14.118	14.130	14.141	14.153	14.165	14.176	14.188	14.2	14.212	14.223	14.235
Right Inside Traffic Railing (Top of Sidewalk)	14.770	14.782	14.793	14.805	14.817	14.828	14.840	14.852	14.864	14.875	14.887
Right EOD (Top of Sidewalk)	14.787	14.799	14.810	14.822	14.834	14.845	14.857	14.869	14.881	14.892	14.904

LOCATION	\bar{C} IB 2	Span 2									\bar{C} IB 3
		1	2	3	4	5	6	7	8	9	
Left EOD (Top of Sidewalk)	15.123	15.137	15.161	15.170	15.170	15.178	15.185	15.190	15.194	15.196	15.196
Left Inside Traffic Railing (Top of Sidewalk)	15.106	15.120	15.144	15.153	15.153	15.161	15.168	15.173	15.177	15.179	15.179
Left Gutterline	14.454	14.468	14.492	14.501	14.501	14.509	14.516	14.521	14.525	14.527	14.527
Left Lane Line	14.484	14.498	14.522	14.531	14.531	14.539	14.546	14.551	14.555	14.557	14.557
\bar{C} Const. Tuscola Blvd. & PGL	14.724	14.738	14.762	14.771	14.771	14.779	14.786	14.791	14.795	14.797	14.797
Right Lane Line	14.484	14.498	14.522	14.531	14.531	14.539	14.546	14.551	14.555	14.557	14.557
Right Gutterline	14.454	14.468	14.492	14.501	14.501	14.509	14.516	14.521	14.525	14.527	14.527
Right Inside Traffic Railing (Top of Sidewalk)	15.106	15.120	15.144	15.153	15.153	15.161	15.168	15.173	15.177	15.179	15.179
Right EOD (Top of Sidewalk)	15.123	15.137	15.161	15.170	15.170	15.178	15.185	15.190	15.194	15.196	15.196

LOCATION	\bar{C} IB 3	Span 3									\bar{C} IB 4
		1	2	3	4	5	6	7	8	9	
Left EOD (Top of Sidewalk)	15.196	15.196	15.194	15.190	15.185	15.178	15.170	15.191	15.150	15.137	15.123
Left Inside Traffic Railing (Top of Sidewalk)	15.179	15.179	15.177	15.173	15.168	15.161	15.153	15.174	15.133	15.120	15.106
Left Gutterline	14.527	14.527	14.525	14.521	14.516	14.509	14.501	14.522	14.481	14.468	14.454
Left Lane Line	14.557	14.557	14.555	14.551	14.546	14.539	14.531	14.552	14.511	14.498	14.484
\bar{C} Const. Tuscola Blvd. & PGL	14.797	14.797	14.795	14.791	14.786	14.779	14.771	14.792	14.751	14.738	14.724
Right Lane Line	14.557	14.557	14.555	14.551	14.546	14.539	14.531	14.552	14.511	14.498	14.484
Right Gutterline	14.527	14.527	14.525	14.521	14.516	14.509	14.501	14.522	14.481	14.468	14.454
Right Inside Traffic Railing (Top of Sidewalk)	15.179	15.179	15.177	15.173	15.168	15.161	15.153	15.174	15.133	15.120	15.106
Right EOD (Top of Sidewalk)	15.196	15.196	15.194	15.190	15.185	15.178	15.170	15.190	15.150	15.137	15.123

LOCATION	\bar{C} IB 4	Span 4									End Br. \bar{C} End Bent 5
		1	2	3	4	5	6	7	8	9	
Left EOD (Top of Sidewalk)	15.123	15.108	15.091	15.073	15.053	15.032	15.009	14.985	14.960	14.933	14.904
Left Inside Traffic Railing (Top of Sidewalk)	15.106	15.091	15.074	15.056	15.036	15.015	14.992	14.968	14.943	14.916	14.887
Left Gutterline	14.454	14.439	14.422	14.404	14.384	14.363	14.340	14.316	14.291	14.264	14.235
Left Lane Line	14.484	14.469	14.452	14.434	14.414	14.393	14.370	14.346	14.321	14.294	14.265
\bar{C} Const. Tuscola Blvd. & PGL	14.724	14.709	14.692	14.674	14.654	14.633	14.610	14.586	14.561	14.534	14.505
Right Lane Line	14.484	14.469	14.452	14.434	14.414	14.393	14.370	14.346	14.321	14.294	14.265
Right Gutterline	14.454	14.439	14.422	14.404	14.384	14.363	14.340	14.316	14.291	14.264	14.235
Right Inside Traffic Railing (Top of Sidewalk)	15.106	15.091	15.074	15.056	15.168	15.015	14.992	14.968	14.943	14.916	14.887
Right EOD (Top of Sidewalk)	15.123	15.108	15.091	15.073	15.185	15.032	15.009	14.985	14.960	14.933	14.904

Note:
All elevations are at Top of Deck U.O.N.

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KHA PROJECT
148860000
DATE
JANUARY 2024
SCALE AS SHOWN
DESIGNED BY JML
DRAWN BY
CHECKED BY TWF

FINISH GRADE ELEVATIONS
(2 OF 2)

LICENSED PROFESSIONAL
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FLORIDA LICENSE NUMBER
58677

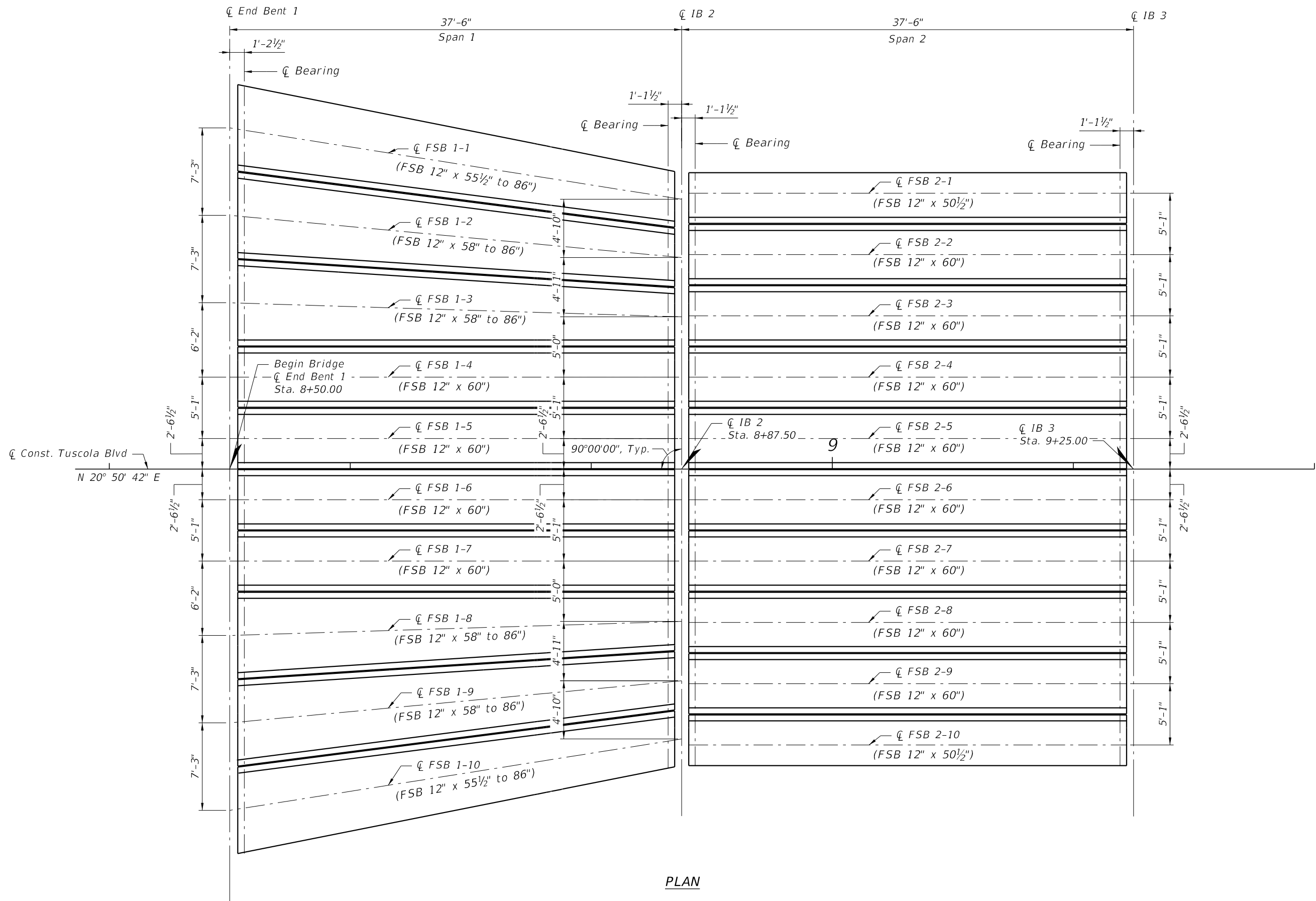
CENTRAL PARC AT
NORTH PORT
PREPARED FOR
SABAL TRACE DEVELOPMENT
PARTNERS, LLC
NORTH PORT FLORIDA

Kimley»Horn

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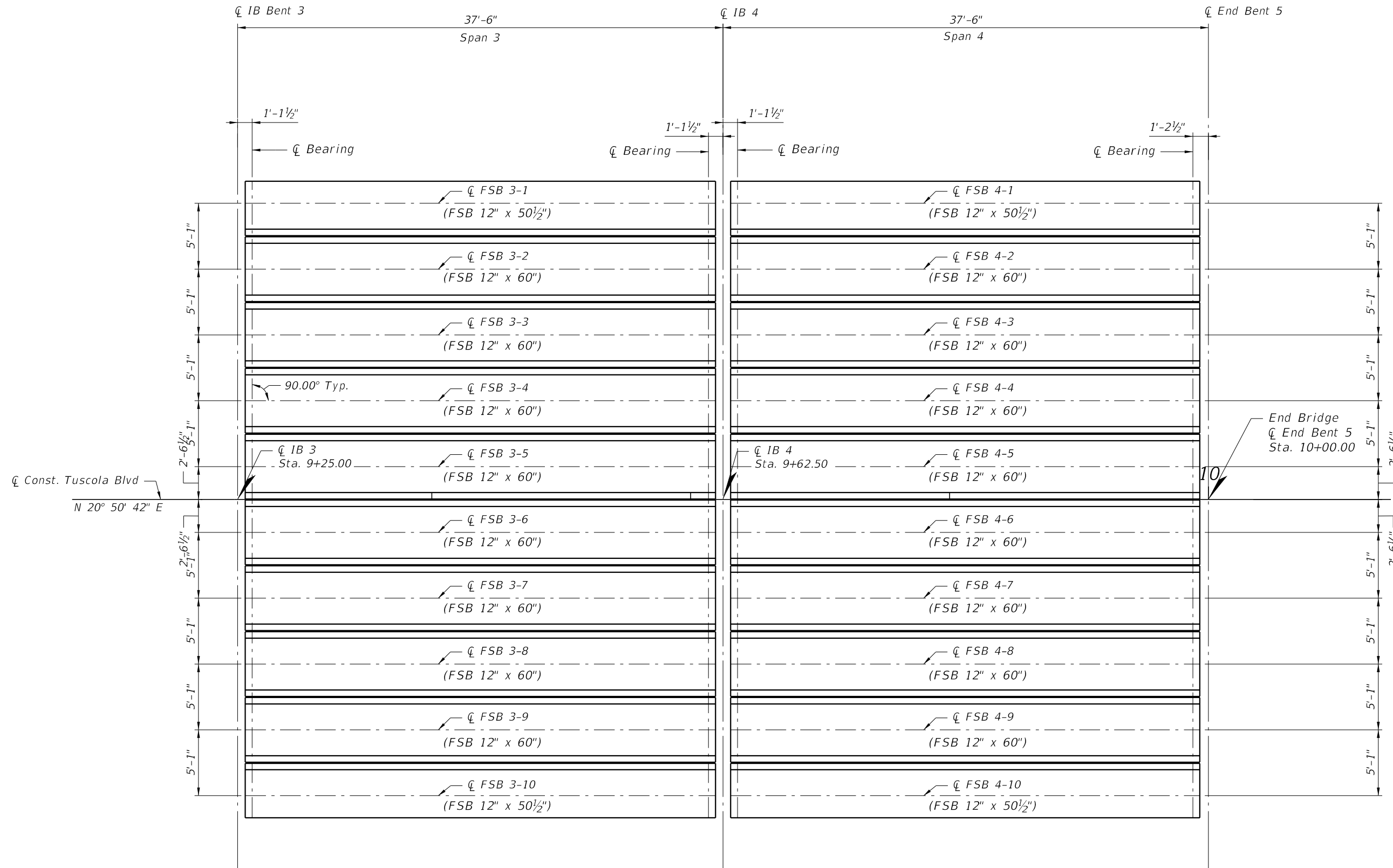


PLAN

Bridge No. XXXXXX

CENTRAL PARC AT NORTH PORT		FRAMING PLAN (1 of 2)		Kimley»Horn	
PREPARED FOR SABAL TRACE DEVELOPMENT PARTNERS, LLC		DESIGNED BY JML		LICENSED PROFESSIONAL JAMEA POTER LONG, P.E.	
NORTH PORT FLORIDA		SCALE AS SHOWN		1920 MEKIVA WAY SUITE 200, WEST PALM BEACH, FL 33411 PHONE: 561-845-0665 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106	
SHEET NUMBER B1-19		DATE JANUARY 2024		FLORIDA LICENSE NUMBER 58677	
DRAWN BY TWF		KHA PROJECT 148860000		REVISIONS	
CHECKED BY TWF		DATE JANUARY 2024		No.	
DATE JANUARY 2024		SCALE AS SHOWN		DATE	
DRAWN BY TWF		KHA PROJECT 148860000		DATE	

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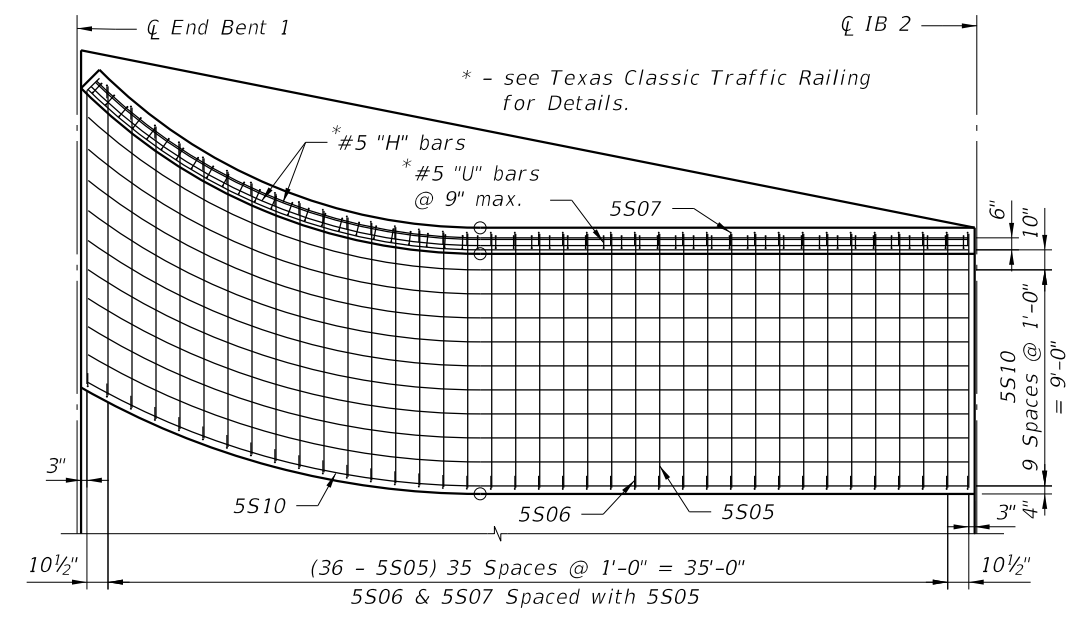
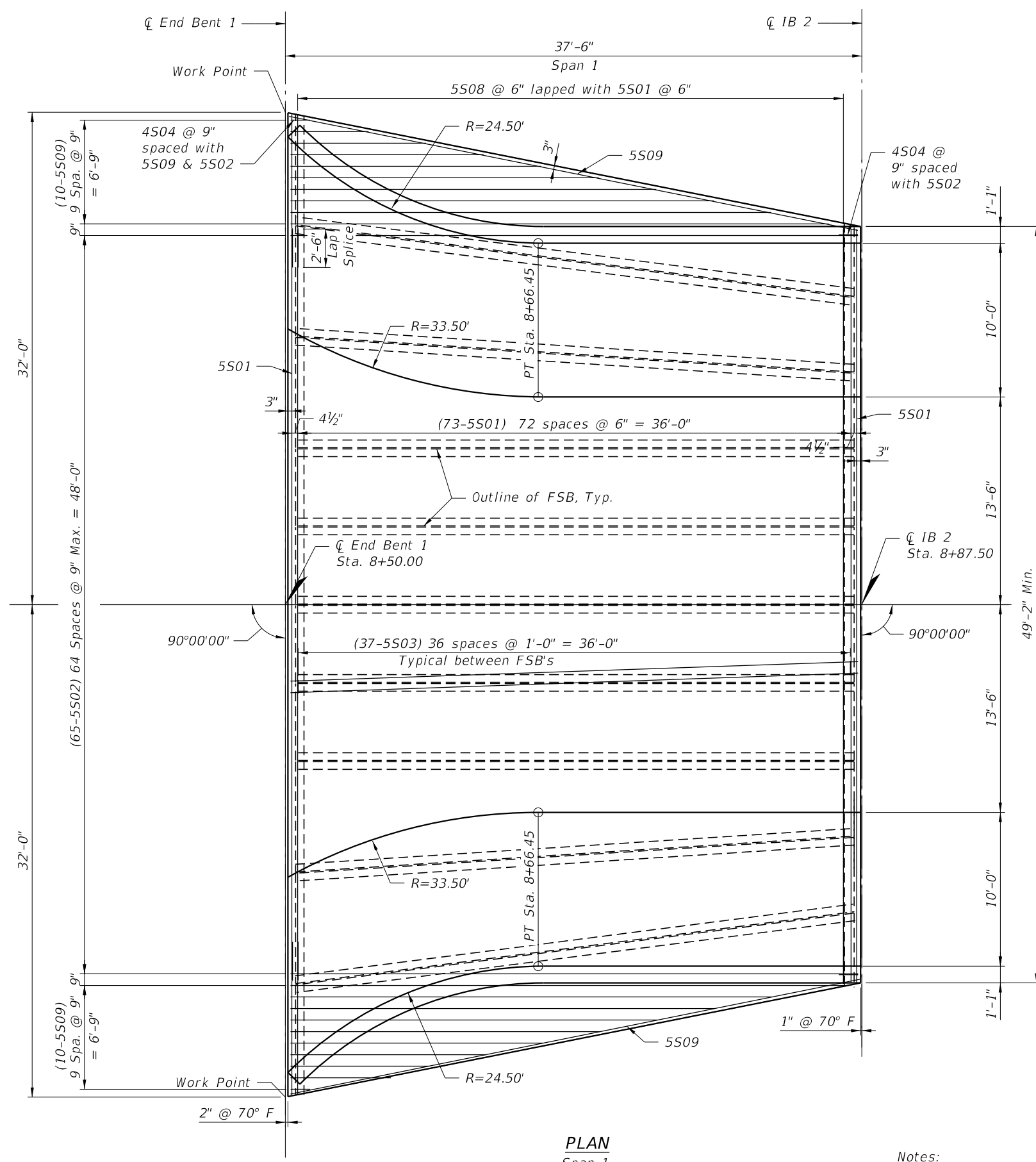


PLAN

Bridge No. XXXXXX

CENTRAL PARC AT NORTH PORT		FRAMING PLAN (1 of 2)		Kimley»Horn	
PREPARED FOR SABAL TRACE DEVELOPMENT PARTNERS, LLC		DESIGNED BY JML		LICENSED PROFESSIONAL JAMEA POTER LONG, P.E.	
NORTH PORT, FLORIDA		DRAWN BY ---		FLORIDA LICENSE NUMBER 58677	
SHEET NUMBER B1-20		KHA PROJECT 148860000		DATE JANUARY 2024	
REVISIONS		SCALE AS SHOWN		CHECKED BY TWF	
DATE		BY		No.	

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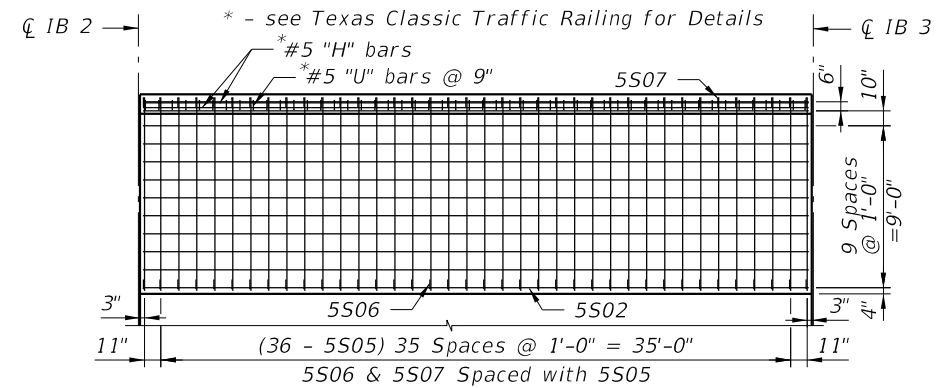


Notes:
 1. Work this sheet with Standard Plans, Index 450-451 and "Prestressed Slab Detail" sheets.

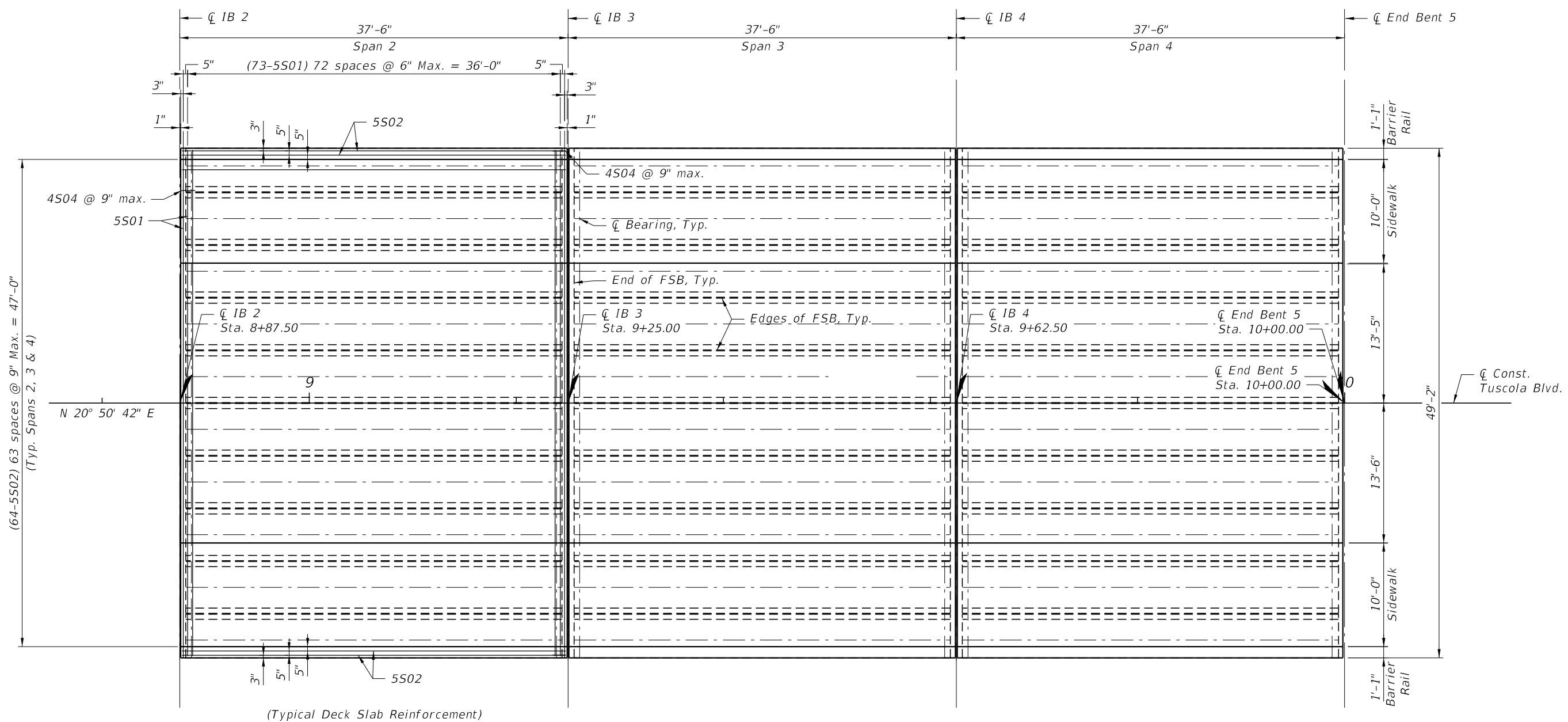
Kimley»Horn		© 2024 KIMLEY-HORN AND ASSOCIATES, INC. 1920 MEKIVA WAY SUITE 200, WEST PALM BEACH, FL 33411 PHONE: 561-845-0865 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106	
KHA PROJECT 148860000	DATE JANUARY 2024	LICENSED PROFESSIONAL JAMEA POTER LONG, P.E.	FLORIDA LICENSE NUMBER 58677
SUPERSTRUCTURE PLAN (1 OF 2)		DESIGNED BY JML	CHECKED BY TWF
CENTRAL PARC AT NORTH PORT PREPARED FOR SABAL TRACE DEVELOPMENT PARTNERS, LLC		FLORIDA NORTH PORT	
SHEET NUMBER B1-21		REVISIONS No. DATE	

Bridge No. XXXXXX

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TYPICAL SIDEWALK REINFORCEMENT
Spans 2, 3 & 4



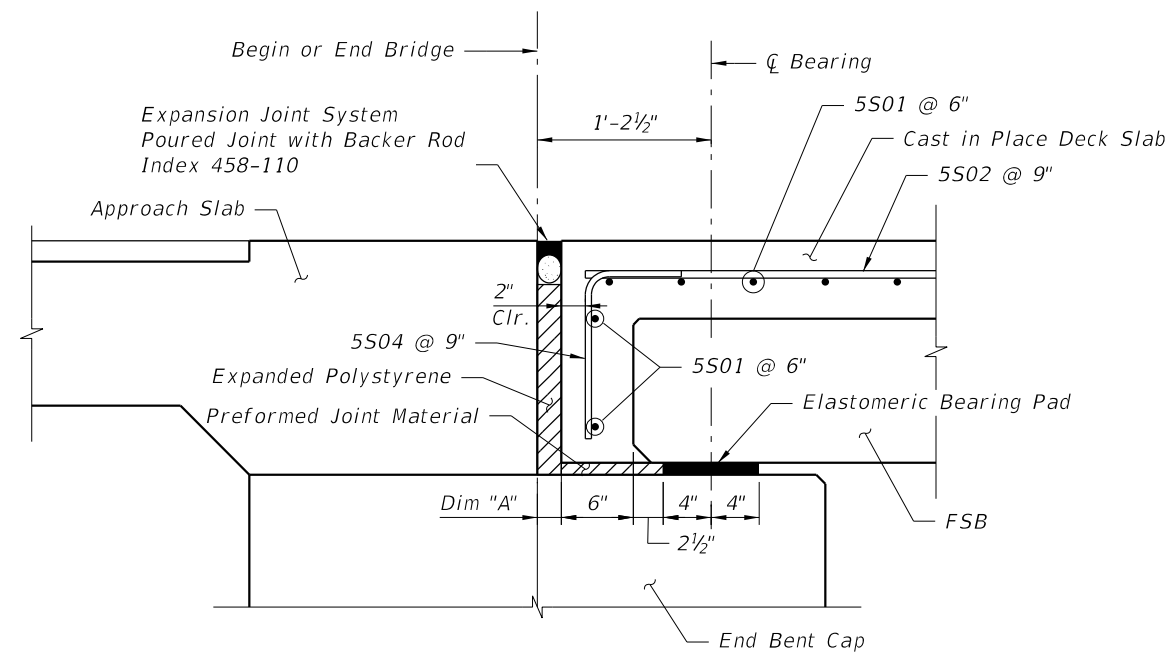
PLAN
Spans 2, 3 & 4

Notes:
1. Work this sheet with Standard Plans, Index 450-451 and "Prestressed Slab Detail" sheets.

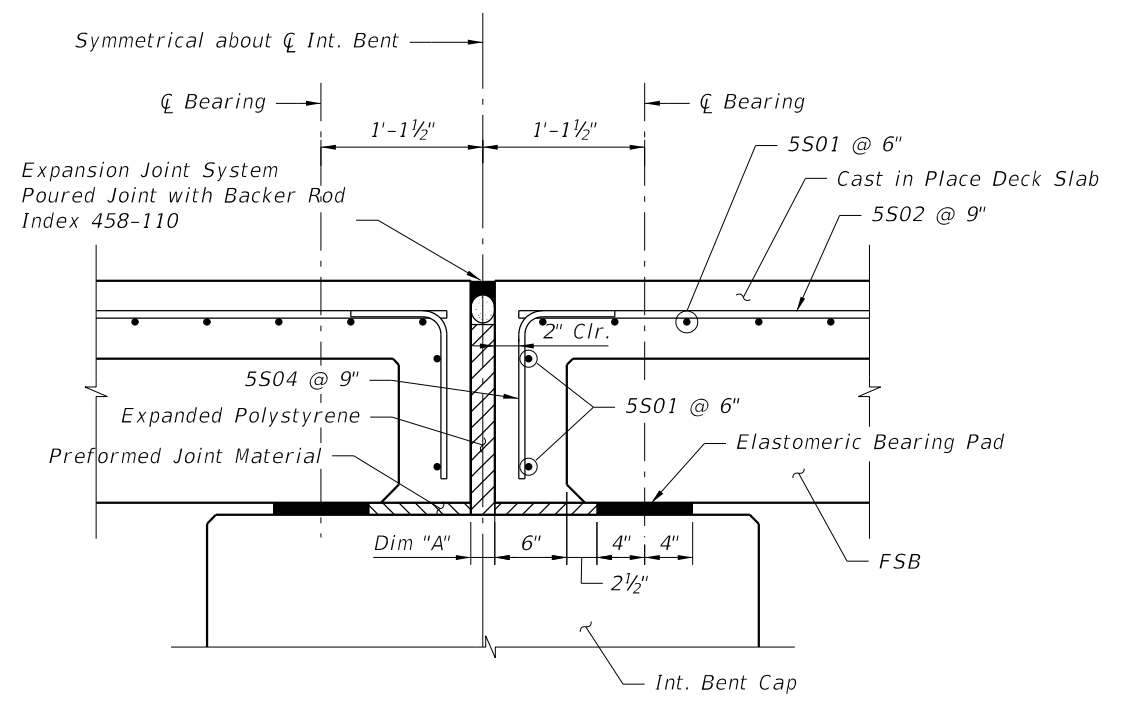
Bridge No. XXXXXX

CENTRAL PARC AT NORTH PORT		SUPERSTRUCTURE PLAN (2 OF 2)		Kimley»Horn	
PREPARED FOR SABAL TRACE DEVELOPMENT PARTNERS, LLC		KHA PROJECT 148860000		LICENSED PROFESSIONAL JAMEA POTER LONG, P.E.	
NORTH PORT, FLORIDA		DATE JANUARY 2024		FLORIDA LICENSE NUMBER 58677	
SHEET NUMBER B1-22		SCALE AS SHOWN		DESIGNED BY JML	
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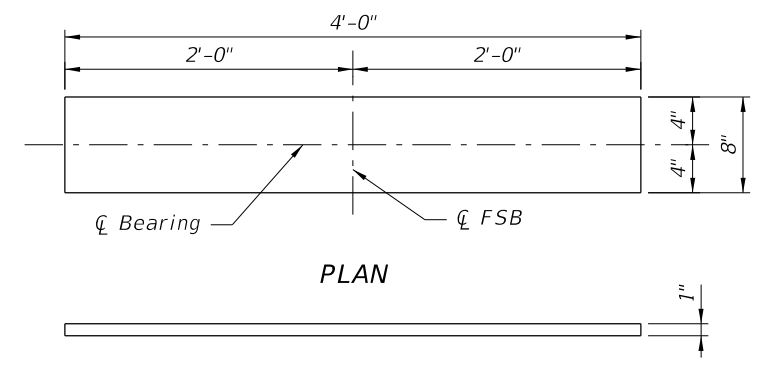
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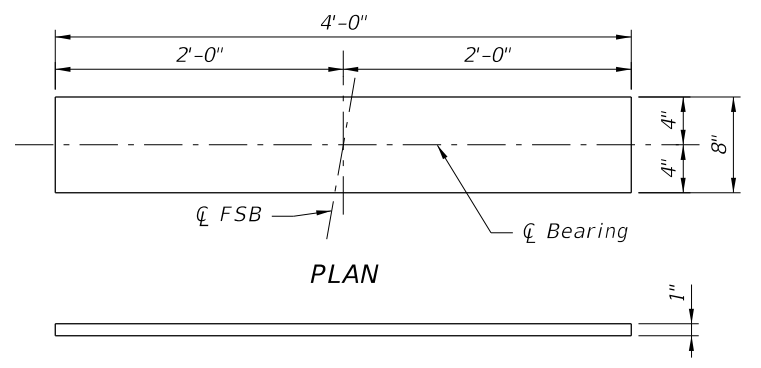
TYPICAL END DIAPHRAGM AT END BENTS



TYPICAL END DIAPHRAGM AT INTERMEDIATE BENTS



BEARING PAD DETAIL
(Span 1 @ End Bent 2 - FSB 1-4, 1-5, 1-6, 1-7)

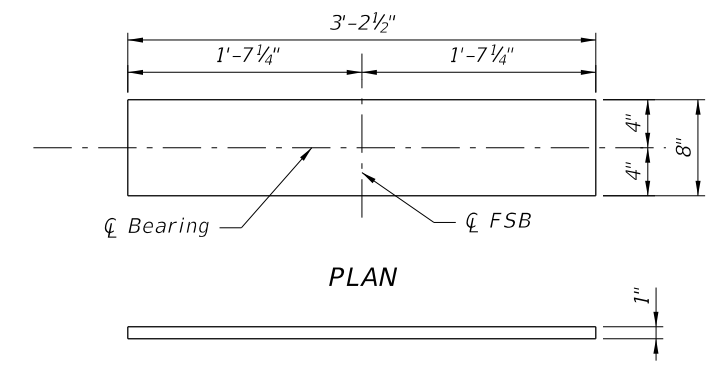


BEARING PAD DETAIL
(Span 1 @ End Bent 1 - FSB 1-4, 1-5, 1-6, 1-7)

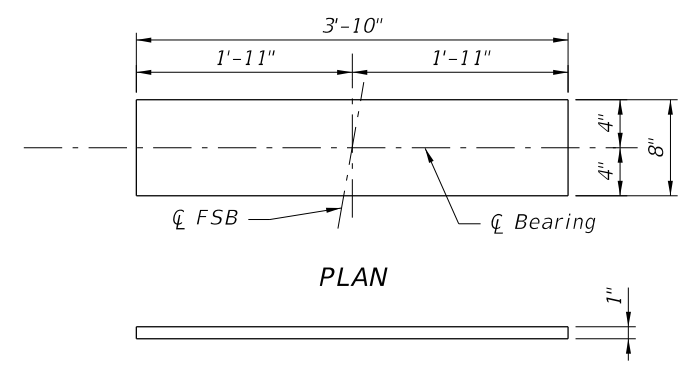
POURED EXPANSION JOINT DATA TABLE INDEX 458-110			
			Table Date 1-01-09
LOCATION	DIM. "A" @ 70°F	TOTAL DESIGN MOVEMENT	DIM. "A" ADJUSTMENT PER 10°F
End Bents 1 & 5	2"	0.250"	0"
IB 2, 3 & 4	2"	0.250"	0"

NOTE:
Dim. "A" adjustment per 10°F shown is measured perpendicular to CL Expansion Joint. Work this table with Standard Plans Index 458-110.

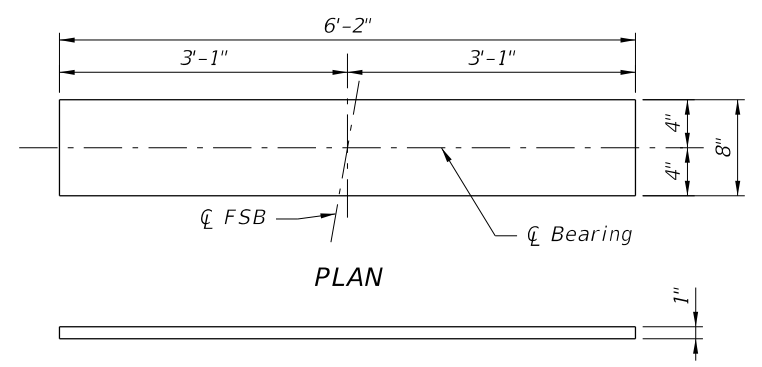
NOTE: Provide Plain Elastomeric Bearing Pads with a Shear Modulus of 110 psi in accordance with Standard Specifications Section 932.



BEARING PAD DETAIL
(Spans 2, 3 & 4 - Exterior FSB's)



BEARING PAD DETAIL
(Span 1 @ Int Bent 2 - FSB 1-1, 1-2, 1-3, 1-8, 1-9, 1-10)



BEARING PAD DETAIL
(Span 1 @ End Bent 1 - FSB 1-1, 1-2, 1-3, 1-8, 1-9, 1-10)

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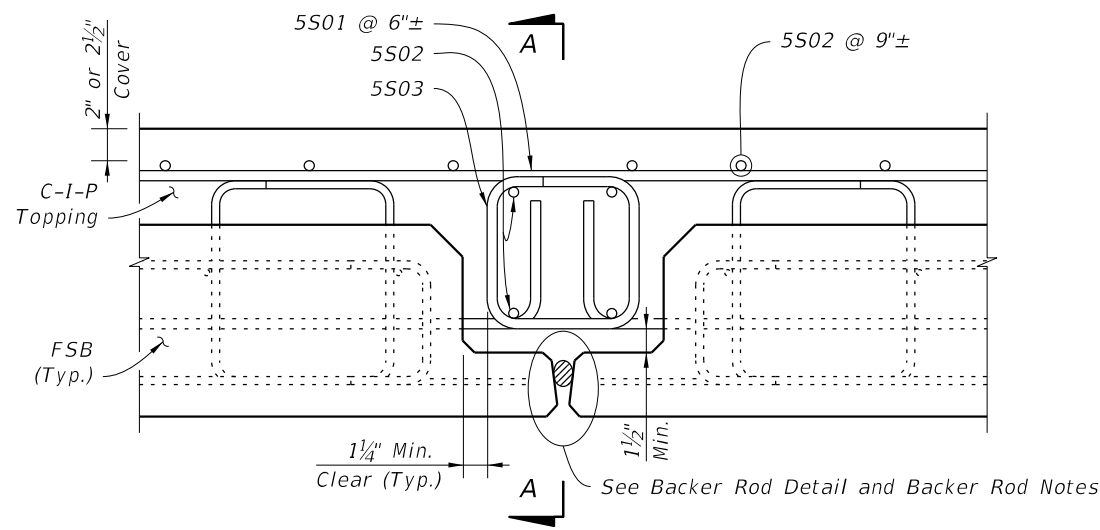
LICENSED PROFESSIONAL
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FLORIDA LICENSE NUMBER
58677

KHA PROJECT
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DATE
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SCALE AS SHOWN
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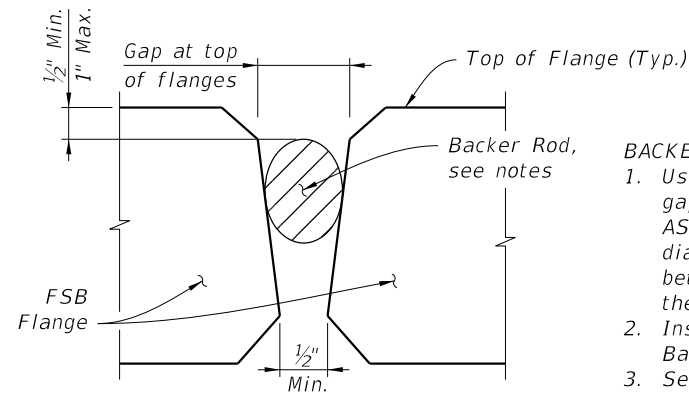
SUPERSTRUCTURE DETAILS
(1 OF 3)

CENTRAL PARC AT NORTH PORT
PREPARED FOR
SABAL TRACE DEVELOPMENT PARTNERS, LLC
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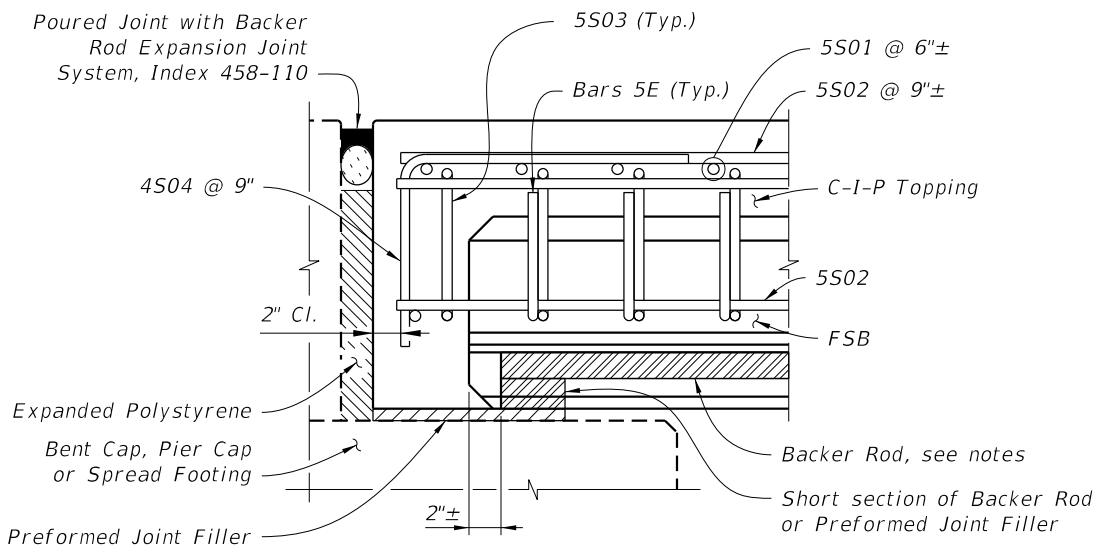
DETAIL AT POCKETS



BACKER ROD DETAIL

BACKER ROD NOTES:

1. Use a Backer Rod to form the bottom of the cast in place topping at the gap between adjacent FSBs. Use a Backer Rod meeting the requirements of ASTM C1330 or ASTM D5249, Types 1 or 3, with a minimum uncompressed diameter 50% larger than the field verified maximum width of the gap between adjacent FSBs. Measure gap at the top of the flanges as shown in the Backer Rod Detail.
2. Install the Backer Rod from the top down to the position shown in the Backer Rod Detail.
3. Secure the Backer Rod to prevent displacement during topping concrete placement and to be mortar tight using a compatible construction adhesive.
4. The Backer Rod may remain in place after topping concrete placement.

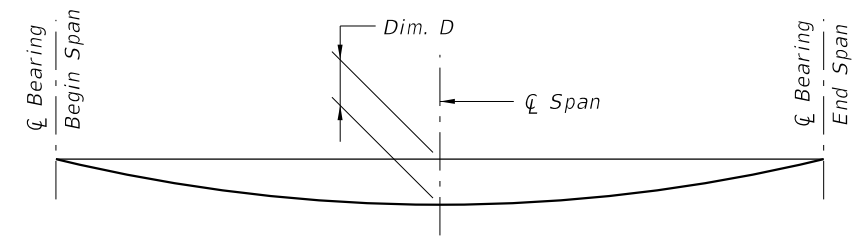


SECTION A-A ALONG Q POCKET AT SPAN ENDS

(SECTION AT BEGIN/END BRIDGE SHOWN; SECTION AT INTERMEDIATE BENTS OR PIERS SIMILAR)

CAMBER NOTE:

The values given in the table are based on theoretical beam cambers. The Contractor shall monitor beam cambers for the purpose of predicting camber values at the time of the topping casting. If the predicted cambers based on field measurements differ more than $\pm 1/2$ " from the theoretical "Net Beam Camber @ 120 Days" shown in the table, propose modified dimensions as required and submit to the Engineer for approval a minimum of 21 days prior to casting topping concrete.



DEAD LOAD DEFLECTION DIAGRAM

CAMBER AND DEFLECTION DATA TABLE FOR FLORIDA SLAB BEAMS			Table Date 11-01-20
LOCATION		NET BEAM CAMBER (PRESTRESS - DEAD LOAD OF BEAM) @ 120 DAYS (in.)	DIM. D DEAD LOAD DEFLECTION DUE TO TOPPING CASTING @ 120 DAYS (in.)
SPAN NO.	BEAM NO.		
1	1-10	0.56	-0.43
1	1-2, 1-3, 1-8, 1-9	0.53	-0.44
1	1-4, 1-5, 1-6, 1-7	0.62	-0.46
2, 3, 4	2-1, 2-10, 3-1, 3-10, 4-1, 4-10	0.65	-0.48
2, 3, 4	2-2 thru 2-9, 3-2 thru 3-9, 4-2 thru 4-9	0.62	-0.46

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SUPERSTRUCTURE DETAILS
(2 OF 3)

CENTRAL PARC AT
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PREPARED FOR
SABAL TRACE DEVELOPMENT
PARTNERS, LLC
NORTH PORT
FLORIDA

SHEET NUMBER

BRIDGE No. XXXXXX

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FLORIDA SLAB BEAM - TABLE OF VARIABLES

Table Date 11-01-20

LOCATION		BEAM TYPE	CONCRETE PROPERTIES			STND. PTRN. TYPE	PLAN VIEW CASE		ANGLE θ		BEAM DIMENSIONS*			REINFORCING STEEL																					
SPAN NO.	BEAM NO.		CLASS	STRENGTHS (psi)			END 1	END 2	END 1	END 2	DIM W	DIM L	DIM R	3C		4D1		4D2		4D3		5E1		5E2		6Y1		6Y2		4K		NO. OF BAR SPACES		BAR SPACING*	
				28 Day	Release									NO.	DIM C	DIM D	DIM D	NO.	DIM E	NO.	DIM E	DIM Y	DIM Y	NO.	S1	S2	V1	V2							
1	4-7	FSB 12"x60"	VI	8500	6000	2	1	1	90	90	5'-0"	36'-4"	1/8"	37	4'-7 1/2"	2'-6"	2'-6"	24	2'-6"	36	4'-10"	-	-	3'-7 1/2"	3'-7 1/2"		34	1	0'-6"	0'-7"					
1	2	FSB 12"xVARIES	VI	8500	6000	(Note 2)	2	2	84	84	(Note 2)	36'-4"	VARIES	37	VARIES	VARIES	VARIES	24	VARIES	36	VARIES	-	-	VARIES	VARIES	72	34	1	0'-6"	0'-7"					
1	3	FSB 12"xVARIES	VI	8500	6000	(Note 2)	2	2	88	88	(Note 2)	36'-4"	VARIES	37	VARIES	VARIES	VARIES	24	VARIES	36	VARIES	-	-	VARIES	VARIES	72	34	1	0'-6"	0'-7"					
1	8	FSB 12"xVARIES	VI	8500	6000	(Note 2)	3	3	88	88	(Note 2)	36'-4"	VARIES	37	VARIES	VARIES	VARIES	24	VARIES	36	VARIES	-	-	VARIES	VARIES	72	34	1	0'-6"	0'-7"					
1	9	FSB 12"xVARIES	VI	8500	6000	(Note 2)	3	3	84	84	(Note 2)	36'-4"	VARIES	37	VARIES	VARIES	VARIES	24	VARIES	36	VARIES	-	-	VARIES	VARIES	72	34	1	0'-6"	0'-7"					
1	1	FSB 12"xVARIES	VI	8500	6000	(Note 2)	2	2	81	81	(Note 2)	36'-4"	VARIES	37	VARIES	VARIES	VARIES	24	VARIES	-	-	36	VARIES	VARIES	VARIES	72	34	1	0'-6"	0'-7"					
1	10	FSB 12"xVARIES	VI	8500	6000	(Note 2)	3	3	81	81	(Note 2)	36'-4"	VARIES	37	VARIES	VARIES	VARIES	24	VARIES	-	-	36	VARIES	VARIES	VARIES	72	34	1	0'-6"	0'-7"					
2	1&10	FSB 12"x50 1/2"	VI	8500	6000	1	1	1	90	90	4'-2 1/2"	36'-4"	1/8"	37	3'-10"	2'-2"	2'-2"	24	2'-2"	-	-	36	3'-11"	2'-10"	2'-10"	72	34	1	0'-6"	0'-7"					
2	2-9	FSB 12"x60"	VI	8500	6000	2	1	1	90	90	5'-0"	36'-4"	1/8"	37	4'-7 1/2"	2'-6"	2'-6"	24	2'-6"	36	4'-10"	-	-	3'-7 1/2"	3'-7 1/2"	72	34	1	0'-6"	0'-7"					
3	1&10	FSB 12"x50 1/2"	VI	8500	6000	1	1	1	90	90	4'-2 1/2"	36'-4"	1/8"	37	3'-10"	2'-2"	2'-2"	24	2'-2"	-	-	36	3'-11"	2'-10"	2'-10"	72	34	1	0'-6"	0'-7"					
3	2-9	FSB 12"x60"	VI	8500	6000	2	1	1	90	90	5'-0"	36'-4"	1/8"	37	4'-7 1/2"	2'-6"	2'-6"	24	2'-6"	36	4'-10"	-	-	3'-7 1/2"	3'-7 1/2"	72	34	1	0'-6"	0'-7"					
4	1&10	FSB 12"x50 1/2"	VI	8500	6000	1	1	1	90	90	4'-2 1/2"	36'-4"	1/8"	37	3'-10"	2'-2"	2'-2"	24	2'-2"	-	-	36	3'-11"	2'-10"	2'-10"	72	34	1	0'-6"	0'-7"					
4	2-9	FSB 12"x60"	VI	8500	6000	2	1	1	90	90	5'-0"	36'-4"	1/8"	37	4'-7 1/2"	2'-6"	2'-6"	24	2'-6"	36	4'-10"	-	-	3'-7 1/2"	3'-7 1/2"	72	34	1	0'-6"	0'-7"					

Notes:
 1. Work this sheet with Standard Plans Index 450-450 and 450-451.
 2. For span 1 beams 1-1,1-2, 1-3, 1-8, 1-9, and 1-10 details, see sheets "Prestressed Slab Details".

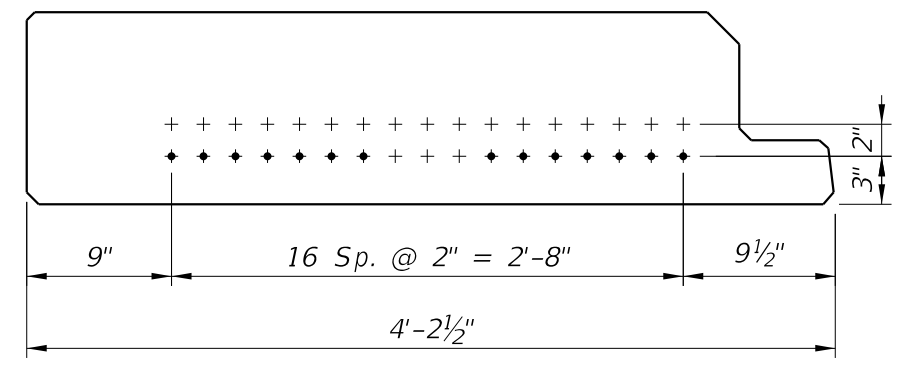
DIMENSION NOTES

* All longitudinal beam dimensions shown on this sheet with a single asterisk (*) are measured along the centerline of beam. Dimension "R" is calculated at mid-height of the beam.
 ** End beam bearing dimensions "J" and "K" are measured perpendicular to \bar{C} Bearing along the bottom of the beam.

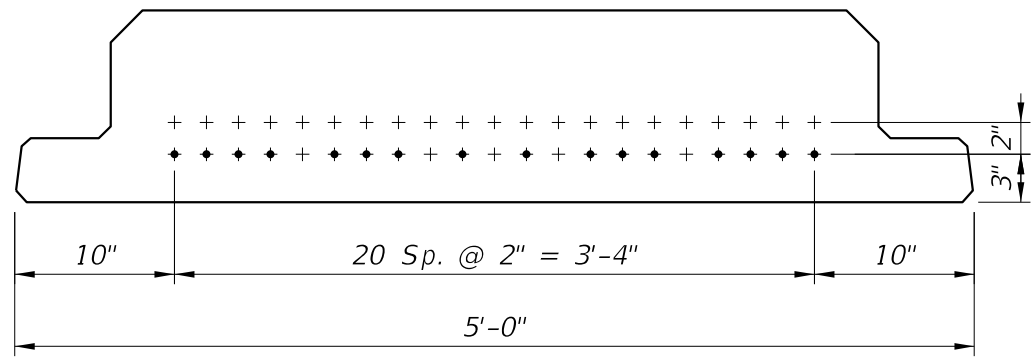
STRAND DEBONDING LEGEND

- - fully bonded strands.
- ◉ - strands debonded '-__' from end of beam.
- ◻ - strands debonded '-__' from end of beam.
- ◄ - strands debonded '-__' from end of beam.
- ◊ - strands debonded '-__' from end of beam.

NOTE: On beams with skewed ends the debonded length shall be measured along the debonded strand.



TYPE ① 14 STRANDS



TYPE ② 16 STRANDS

STRAND DESCRIPTION: Use 0.60" Diameter, Grade 270, Low Relaxation Carbon Steel Strands stressed at 43.94 kips each. Area per strand equals 0.217 sq. in.

STRAND PATTERNS

KIMLEY-HORN & ASSOCIATES, INC.
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 PHONE: 561-845-0865 FAX: 561-863-8175
 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

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KHA PROJECT
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DESIGNED BY
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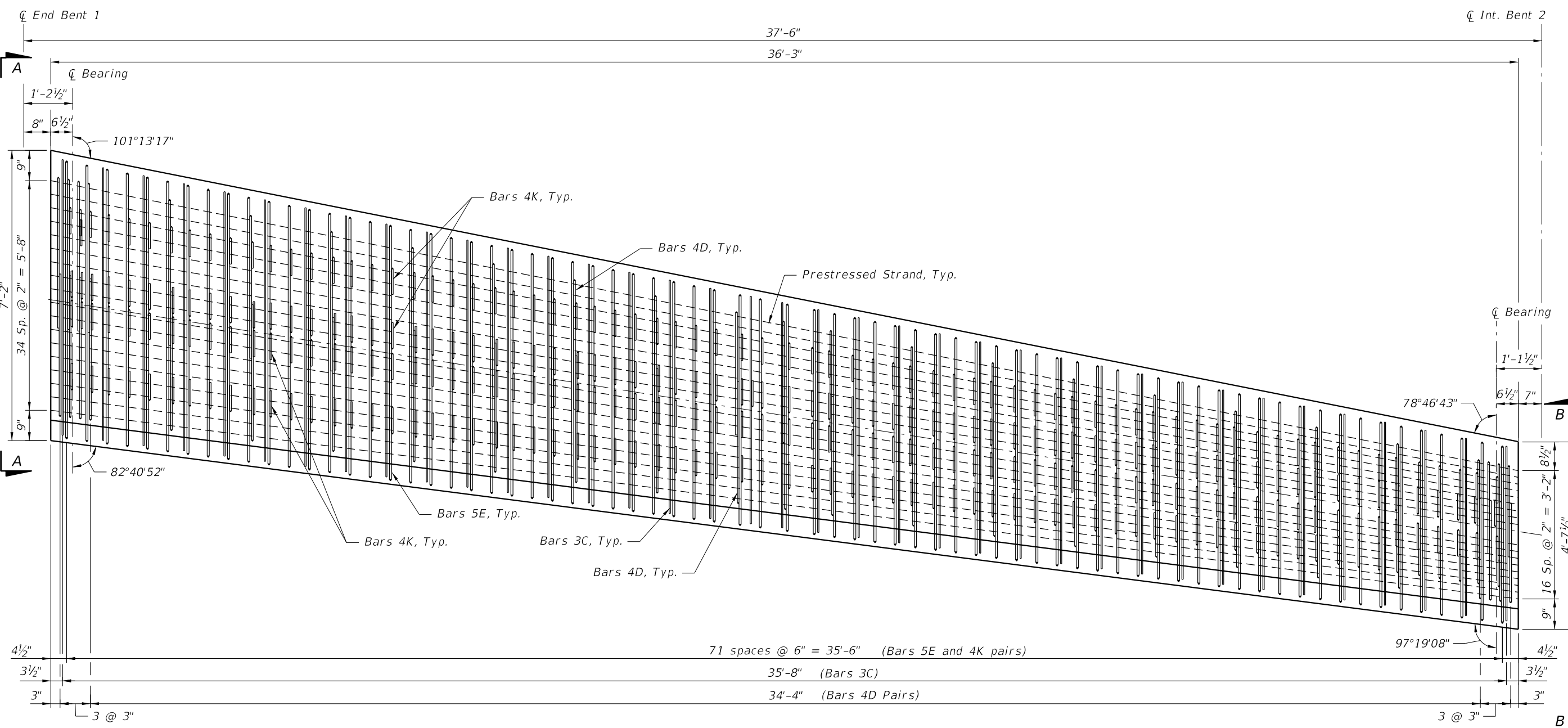
CENTRAL PARC AT
 NORTH PORT
 PREPARED FOR
 SABAL TRACE DEVELOPMENT
 PARTNERS, LLC
 NORTH PORT FLORIDA

SUPERSTRUCTURE DETAILS
 (3 OF 3)

SHEET NUMBER
 B1-25

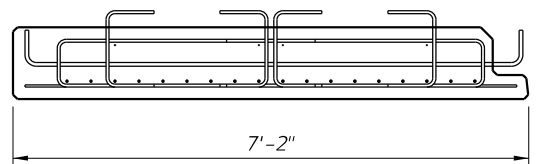
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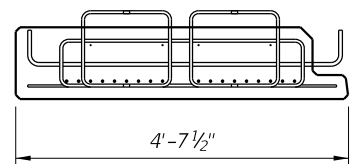


PLAN

FSB 1-1 shown, FSB 1-10 similar by opposite hand



SECTION A-A

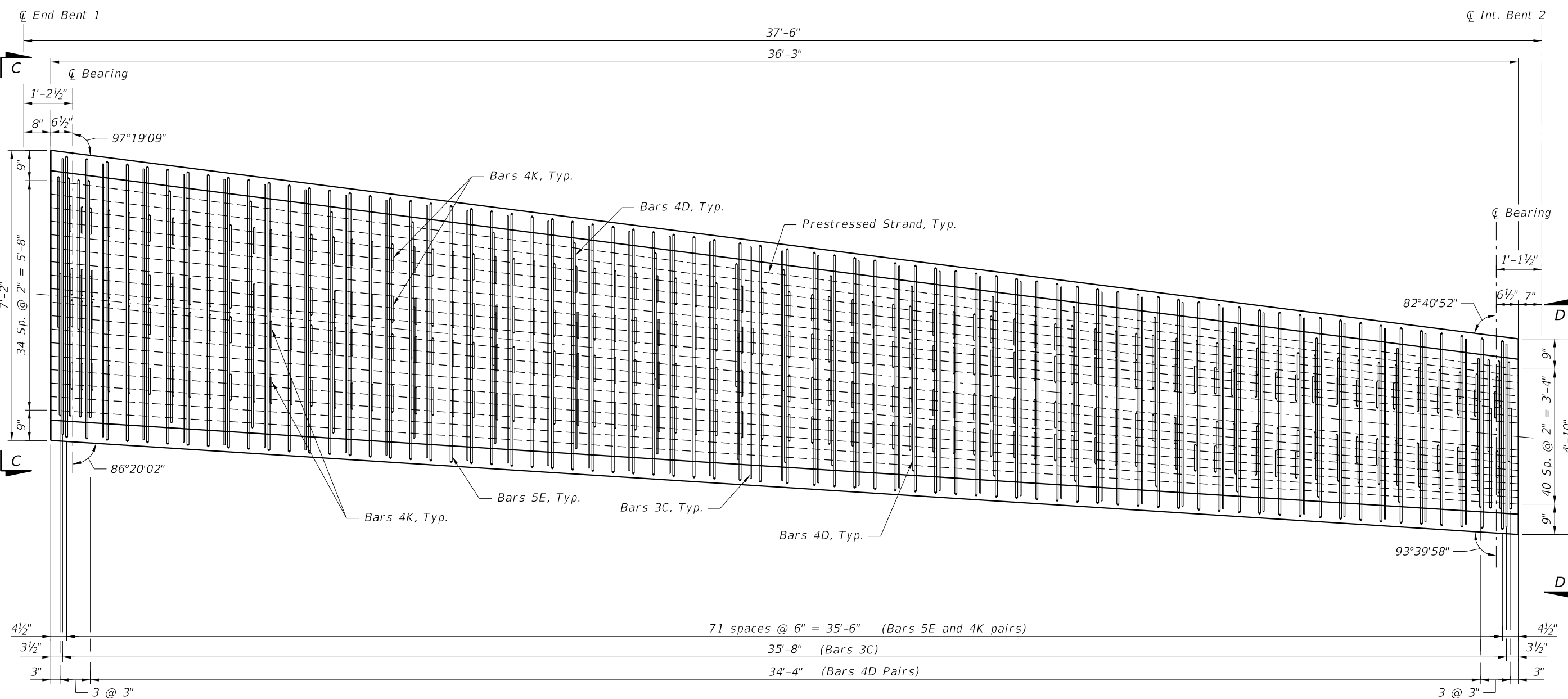


SECTION B-B

Bridge No. XXXXXX

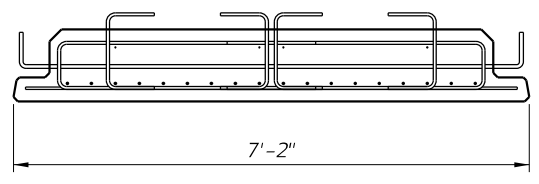
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<p>PRESTRESSED SLAB DETAILS (1 OF 3)</p>		
<p>CENTRAL PARC AT NORTH PORT</p> <p>PREPARED FOR SABAL TRACE DEVELOPMENT PARTNERS, LLC</p> <p>NORTH PORT FLORIDA</p>		
<p>SHEET NUMBER B-XX</p>		
	<p>REVISIONS</p>	<p>DATE</p>

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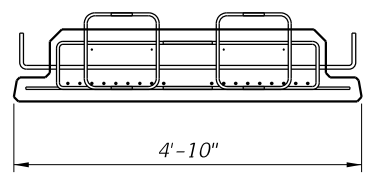


PLAN

FSB 1-2 shown, FSB 1-9 similar by opposite hand



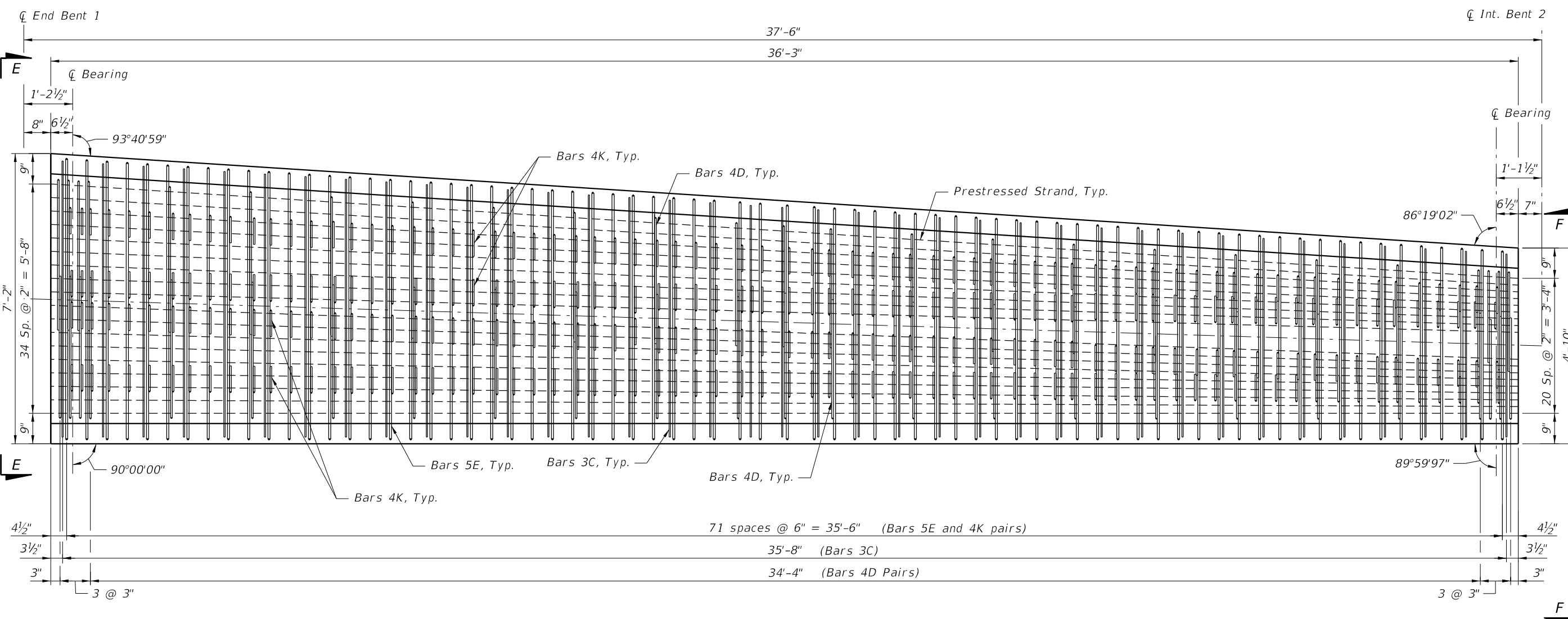
SECTION C-C



SECTION D-D

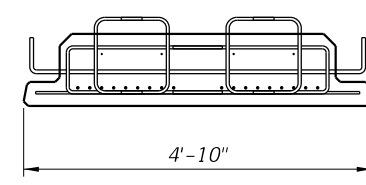
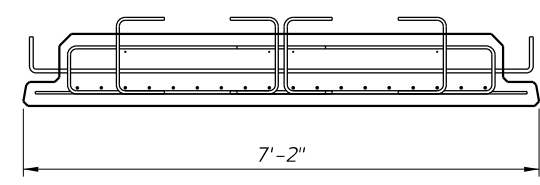
<p>Kimley»Horn</p> <p>© 2024 KIMLEY-HORN AND ASSOCIATES, INC. 1920 MEKIVA WAY SUITE 200, WEST PALM BEACH, FL 33411 PHONE: 561-845-0665 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">KHA PROJECT 148860000</td> <td style="width: 50%;">LICENSED PROFESSIONAL JAMEA POTER LONG, P.E.</td> </tr> <tr> <td>DATE JANUARY 2024</td> <td>FLORIDA LICENSE NUMBER 58677</td> </tr> <tr> <td>SCALE AS SHOWN</td> <td>DESIGNED BY JML</td> </tr> <tr> <td>DRAWN BY ---</td> <td>CHECKED BY TWF</td> </tr> </table>	KHA PROJECT 148860000	LICENSED PROFESSIONAL JAMEA POTER LONG, P.E.	DATE JANUARY 2024	FLORIDA LICENSE NUMBER 58677	SCALE AS SHOWN	DESIGNED BY JML	DRAWN BY ---	CHECKED BY TWF		
KHA PROJECT 148860000	LICENSED PROFESSIONAL JAMEA POTER LONG, P.E.										
DATE JANUARY 2024	FLORIDA LICENSE NUMBER 58677										
SCALE AS SHOWN	DESIGNED BY JML										
DRAWN BY ---	CHECKED BY TWF										
<p>PRESTRESSED SLAB DETAILS (2 OF 3)</p>											
<p>CENTRAL PARC AT NORTH PORT PREPARED FOR SABAL TRACE DEVELOPMENT PARTNERS, LLC NORTH PORT FLORIDA</p>											
<p>Bridge No. XXXXXX</p>											
<p>SHEET NUMBER B-XX</p>											
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">REVISIONS</th> <th style="width: 50%;">DATE</th> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>	REVISIONS	DATE								
REVISIONS	DATE										

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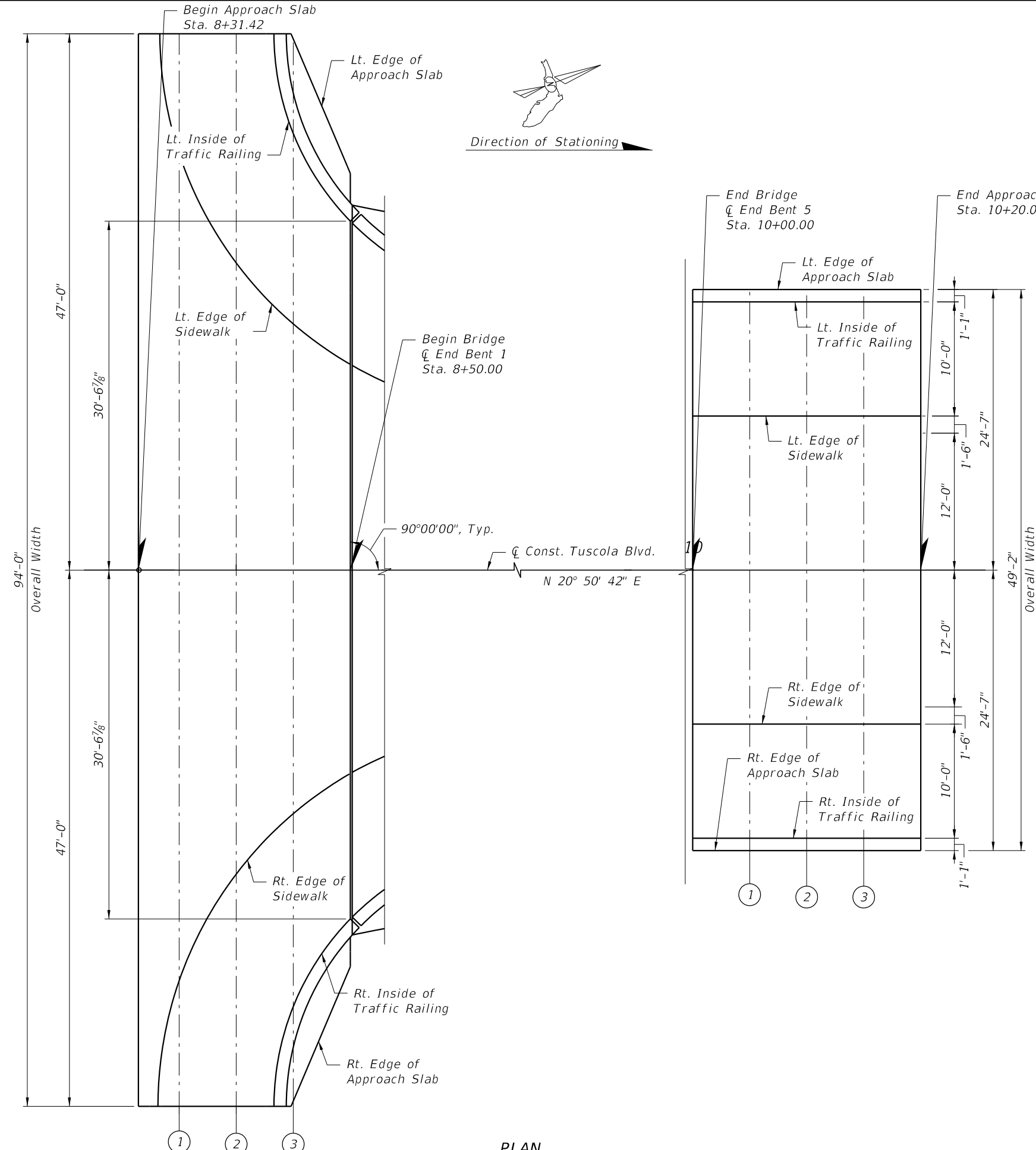
PLAN - SLAB UNIT 1-2

FSB 1-3 shown, FSB 1-8 similar by opposite hand



Kimley»Horn <small>© 2024 KIMLEY-HORN AND ASSOCIATES, INC. 1920 MEKIVA WAY SUITE 200, WEST PALM BEACH, FL 33411 PHONE: 561-845-0865 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106</small>	LICENSED PROFESSIONAL JAMEA POTER LONG, P.E. <small>FLORIDA LICENSE NUMBER 58677</small>	KHA PROJECT 148860000 DATE JANUARY 2024 SCALE AS SHOWN DESIGNED BY JML DRAWN BY CHECKED BY TWF	PRESTRESSED SLAB DETAILS (3 OF 3)	CENTRAL PARC AT NORTH PORT <small>PREPARED FOR SABAL TRACE DEVELOPMENT PARTNERS, LLC</small> NORTH PORT FLORIDA	SHEET NUMBER B-XX
Bridge No. XXXXXX		REVISIONS No. _____ BY _____ DATE _____			

Drawing name: kelly.word 1/31/2024 9:46:47 AM c:\pwworking\140108341\B1ApproachSlab01.dwg
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PLAN

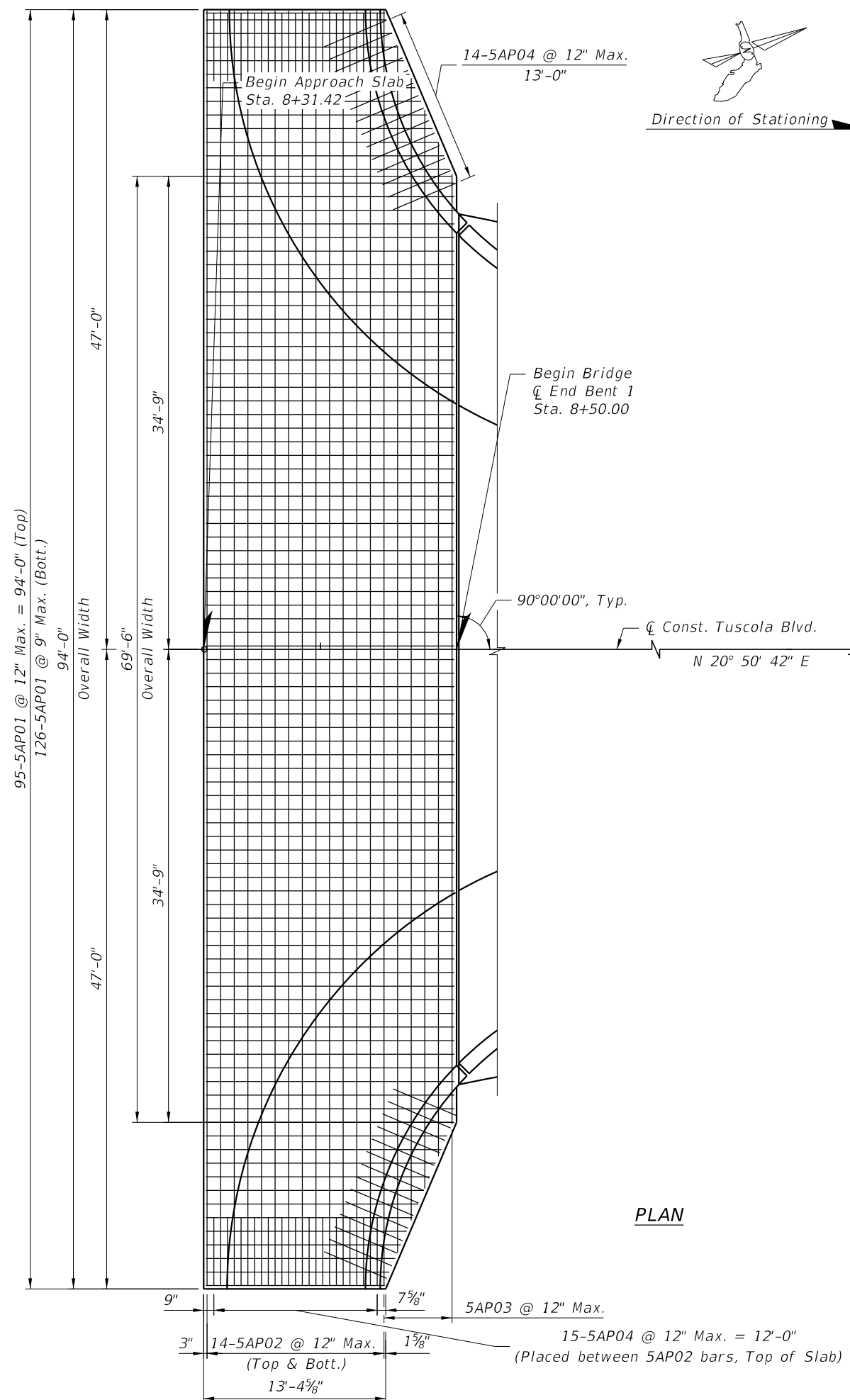
LOCATION	BEGIN APPROACH SLAB				
	Begin Apprh. Slab	①	②	③	FFBW EB 1
Left Edge of Approach Slab	13.420	13.447	13.486	13.534	13.810
Left Inside Traffic Railing	-	-	-	13.700	13.894
Left Edge of Sidewalk	-	13.657	13.888	14.034	14.145
Const. Tuscola Blvd. & PGL	14.360	14.387	14.426	14.465	14.505
Right Edge of Sidewalk	-	13.668	13.893	14.038	14.148
Right Inside Traffic Railing	-	-	-	13.700	13.894
Right Edge of Approach Slab	13.420	13.447	13.486	13.535	13.810

LOCATION	END APPROACH SLAB				
	End Apprh. Slab	①	②	③	FFBW EB 5
Left Edge of Approach Slab	14.907	14.868	14.829	14.790	14.751
Left Inside Traffic Railing	14.891	14.852	14.813	14.774	14.735
Left Edge of Sidewalk	14.235	14.196	14.157	14.118	14.079
Const. Tuscola Blvd. & PGL	14.505	14.466	14.427	14.388	14.349
Right Edge of Sidewalk	14.235	14.196	14.157	14.118	14.079
Right Inside Traffic Railing	14.891	14.852	14.813	14.774	14.735
Right Edge of Approach Slab	14.907	14.868	14.829	14.790	14.751

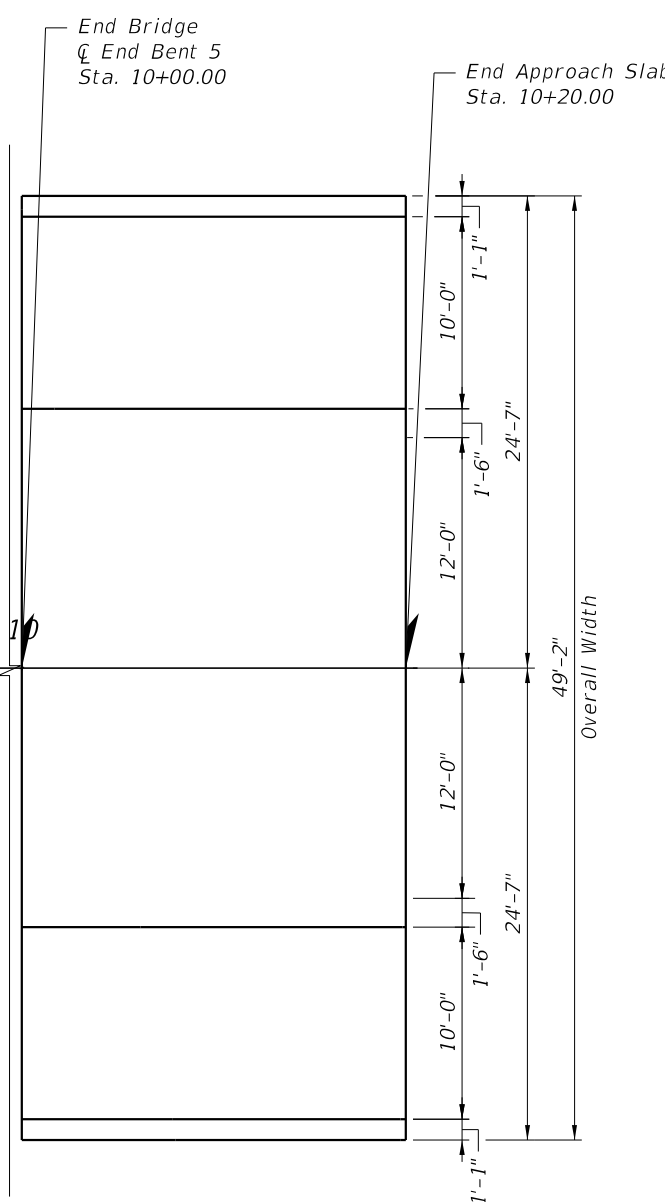
FINISH GRADE ELEVATIONS

Bridge No. XXXXXX

KHA PROJECT 148860000 DATE JANUARY 2024 SCALE AS SHOWN DESIGNED BY JML DRAWN BY -- CHECKED BY TWF	LICENSED PROFESSIONAL JAMEA POTER LONG, P.E. FLORIDA LICENSE NUMBER 58677	Kimley»Horn <small>© 2024 KIMLEY-HORN AND ASSOCIATES, INC. 1920 MEKIVA WAY SUITE 200, WEST PALM BEACH, FL 33411 PHONE: 561-845-0665 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM</small>	APPROACH SLAB (1 OF 2)	CENTRAL PARC AT NORTH PORT PREPARED FOR SABAL TRACE DEVELOPMENT PARTNERS, LLC NORTH PORT, FLORIDA
SHEET NUMBER		B1-29		REVISIONS No. _____ DATE _____ BY _____



PLAN



APPROACH SLAB TABLE OF DIMENSIONS						Table Date 11-01-16
LOCATION	DIMENSIONS					ANGLE θ
	L1	L2	M1	M2	N	
Approach Slab 1	20' - 0"	20' - 0"	VARIES	VARIES	VARIES	0°
Approach Slab 2	20' - 0"	20' - 0"	1' - 1"	1' - 1"	47' - 0"	0°

Dimension Notes:
 Dimensions L1 & L2 are measured along gutter line, inside face of parapet or inside face of railing on raised sidewalks.
 Dimensions L1 & L2 are arc dimensions within curved alignments.

Work this Data Table with Standard Plans Index D400-092.

KHA PROJECT 148860000		LICENSED PROFESSIONAL JAMEA POTTER LONG, P.E.	 © 2024 KIMLEY-HORN AND ASSOCIATES, INC. 1920 MEKIVA WAY SUITE 200, WEST PALM BEACH, FL 33411 PHONE: 561-845-0665 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106
DATE JANUARY 2024	SCALE AS SHOWN	FLORIDA LICENSE NUMBER 58677	
DESIGNED BY JML	DRAWN BY ---	REVISIONS	BY
CHECKED BY TWF			DATE
CENTRAL PARC AT NORTH PORT		APPROACH SLAB (2 OF 2)	
PREPARED FOR SABAL TRACE DEVELOPMENT PARTNERS, LLC		FLORIDA	
SHEET NUMBER B1-30		BRIDGE No. XXXXXX	

Drawing name: kelly.word 1/31/2024 9:46:59 AM c:\pw\wh1\40108341\B1RebarList01.dgn
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MARK	LENGTH	NO	TYP	STY	B	C	D	E	F	H	J	K	N	Ø							
SIZE	DES	FT	IN	BARS	BAR	A	G	FT	IN	FR	FT	IN	FR	FT	IN	FR	FT	IN	FR	NO	ANG
LOCATION		SUPERSTRUCTURE													NO. REQUIRED = 1						
5	S01	48-10			1			48-10													
5	S02	37- 2			1			37- 2													
5	S03	4- 1		1336	4	5	5	0- 9 1/2		0- 9 1/2											
4	S04	2- 6		540	10			1- 6		1- 0											
5	S05	VARIES		282	1			VARIES	10- 7	TD 12- 3											
5	S06	0-11		288	10			0- 6		0- 5											
5	S07	1- 4		288	10			0- 6		0-10											
5	S08	10- 0		146	1			10- 0													
5	S09	VARIES		22	1			VARIES	1- 3	TD 37-11											
5	S10	20- 4		20	36			20- 4		28- 2											
LOCATION		APPROACH SLAB													NO. REQUIRED = 1						
5	AP01	19- 8		221	1			19- 8													
5	AP02	93- 8		28	2			2- 0		93- 8											
5	AP03	69- 2		12	2			2- 0		VARIES	69- 2	TD 93-8									
5	AP04	5- 0		58	1			5- 0													
LOCATION		END BENTS													NO. REQUIRED = 1						
8	A01	38- 0		14	1			38- 0													
5	A02	38- 0		8	1			38- 0													
8	A03	10- 2		18	11			7- 6		1- 4		1- 4									
5	A04	9-11		54	4	5	5	2- 3		2- 3											
5	A05	7- 1		11	11			2- 3		2- 5		2- 5									
5	A06	17- 4		12	12			15- 4		2- 0											23
5	A07	4- 0		62	1			4- 0													
5	A08	15- 3		32	1			15- 3													
8	A09	50-10		7	1			50-10													
5	A10	50-10		4	1			50-10													
8	A11	8- 2		18	11			5- 6		1- 4		1- 4									
5	A12	12- 3		54	4	5	5	2- 5		3- 3											
5	A13	11- 4		6	10			9- 4		2- 0											
5	A14	4-11		40	1			4-11		2- 0											
5	A15	9- 4		18	1			9- 4		2- 0											
LOCATION		PILE BENTS													NO. REQUIRED = 1						
8	P01	52- 8		21	1			52- 8													
5	P02	52- 8		12	1			52- 8													
8	P03	8- 3		54	11			5- 7		1- 4		1- 4									
5	P04	12- 4		246	4	4	4	2- 5		3- 3											
5	P05	8- 1		63	11			3- 3		2- 5		2- 5									
5	P06	7- 3		18	11			3- 3		2- 0		2- 0									
5	P07	20- 5		24	7			8- 6		1- 5		2- 0									
5	P08	3- 3		30	1			3- 3													
END OF LIST																					

CENTRAL PARC AT NORTH PORT PREPARED FOR SABAL TRACE DEVELOPMENT PARTNERS, LLC NORTH PORT FLORIDA	Kimley»Horn <small>© 2024 KIMLEY-HORN AND ASSOCIATES, INC. 1920 MEKIVA WAY SUITE 200, WEST PALM BEACH, FL 33411 PHONE: 561-845-0665 FAX: 561-863-8175 WWW.KIMLEY-HORN.COM</small>	LICENSED PROFESSIONAL JAMEA POTER LONG, P.E. FLORIDA LICENSE NUMBER 58677	KHA PROJECT 148860000 DATE JANUARY 2024 SCALE AS SHOWN DESIGNED BY JML DRAWN BY -- CHECKED BY TWF
REINFORCING BAR LIST		NO. REVISIONS DATE BY	REVISIONS DATE BY
SHEET NUMBER B1-31		Bridge No. XXXXXX	

Load Rating Summary Details for Prestressed Concrete Bridges (Flat Slab and Deck/Girder)

Table Date 07-01-15

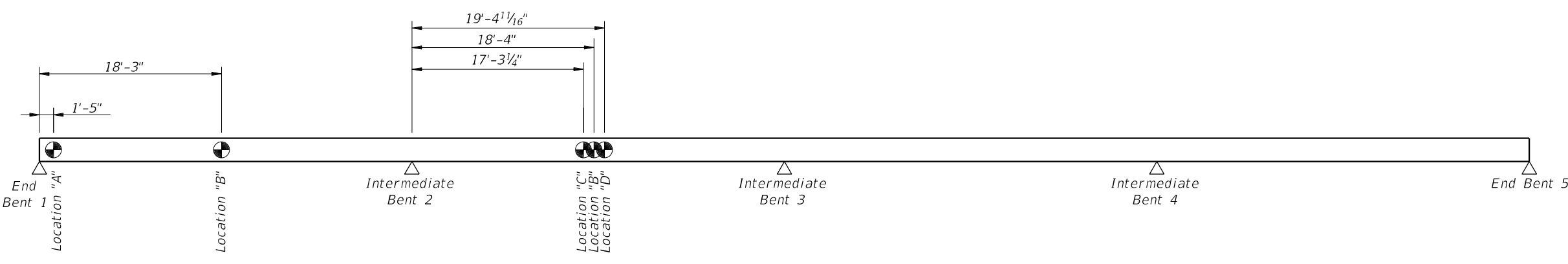
Table 2 - LRFR

Level	Limit State	Vehicle	Weight (tons)	Load Factors			Moment (Strength) or Stress (Service)				Shear (Strength)				Comments: Interior/exterior beam DF method if other than LRFD. Other appropriate comments		
				LL	DC	DW	Distribution Factor (DF)	Rating Factor	Tons	Location	Dimension	Distribution Factor (DF)	Rating Factor	Tons		Location	Dimension
Design Load Rating	Strength I (Inv)	HL-93	N/A	1.75	1.25	1.50	0.47	1.45	N/A	B	18'-4"	0.87	4.70	N/A	A	1'-5"	Shear at Interior Beams, Span 1 Moment at Exterior Beams, Spans 2, 3, & 4
	Strength I (Op)	HL-93	N/A	1.35	1.25	1.50	0.36	1.87	N/A	B	18'-4"	0.87	6.09	N/A	A	1'-5"	Shear at Interior Beams, Span 1 Moment at Exterior Beams, Spans 2, 3, & 4
	Service III (Inv)	HL-93	N/A	0.80	1.00	1.00	0.47	1.25	N/A	C	17'-3 1/4"	N/A	N/A	N/A	N/A	N/A	Shear at Interior Beams, Span 1 Moment at Exterior Beams, Spans 2, 3, & 4
Permit Load Rating	Strength II	FL120	60.0	1.35	1.25	1.50	0.36	1.44	86.60	D	19'-4 11/16"	0.87	4.21	252.65	A	1'-5"	Shear at Interior Beams, Span 1 Moment at Exterior Beams, Spans 2, 3, & 4

General Notes:
 1. This table is based on the requirements established in the January 2024 "Structures Manual".
 2. Software used for load rating: FDOT Prestressed Beam Program
 Version: 6.2
 Software Date: 05/31/2022

Table 2 Notes [Notes Date 07-01-15]:
 1. Permit capacity is determined by using the permit vehicle in all lanes.
 2. Service III Design Inventory tensile stress limits = $3\sqrt{f'c}$ or $6\sqrt{f'c}$.
 3. Has the AASHTO LRFD Specifications Article 5.7.3.5 longitudinal reinforcement been satisfied? Yes No

Abbreviations:
 Inv - Inventory
 Op - Operating



RATING LOCATIONS

REVISIONS	DATE	BY

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LICENSED PROFESSIONAL
JAMEA POTER LONG, P.E.
 FLORIDA LICENSE NUMBER
 58677

KHA PROJECT
 148860000
 DATE
 JANUARY 2024
 SCALE AS SHOWN
 DESIGNED BY JML
 DRAWN BY --
 CHECKED BY TW

LOAD RATINGURE TABLE

CENTRAL PARC AT NORTH PORT
 PREPARED FOR
SABAL TRACE DEVELOPMENT PARTNERS, LLC
 NORTH PORT, FLORIDA