

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 441642-1-58-01

CITY OF DORAL/MIAMI-COUNTY

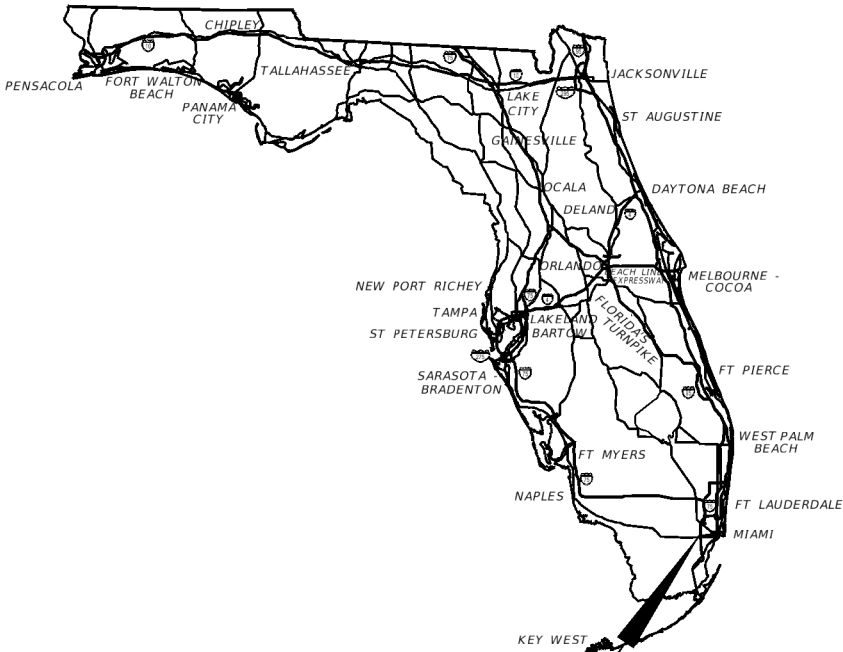
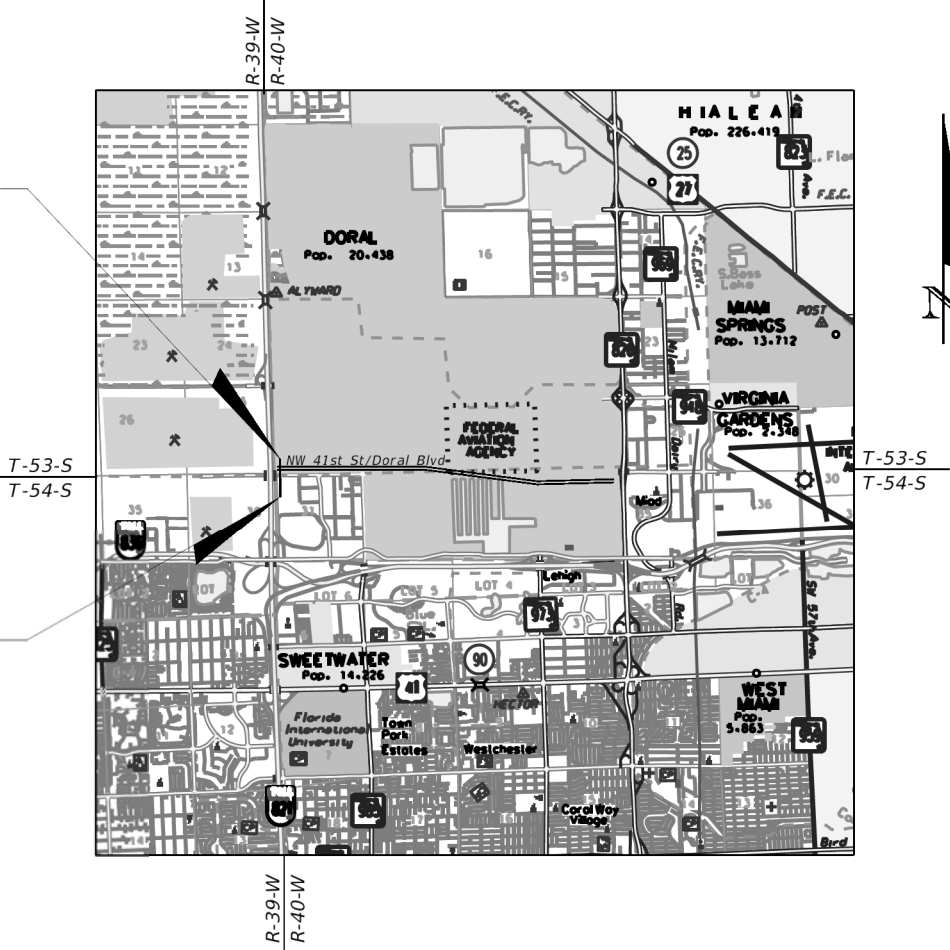
PEDESTRIAN BRIDGE OVER NW 41ST STREET
AT HOMESTEAD EXTENSION OF FLORIDA TURNPIKE (HEFT)

STRUCTURE PLANS

PROPOSED PEDESTRIAN BRIDGE

PROPOSED PROJECT LOCATION
END RAMP
STA. 4031+75.61

PROPOSED PROJECT LOCATION
BEGIN RAMP
STA. 4024+62.10



PROJECT LOCATION

INDEX OF STRUCTURE PLANS
SEE SHEET B-2

GOVERNING DESIGN STANDARDS:

Florida Department of Transportation, Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fdot.gov/design/standardplans>

APPLICABLE IRs: IR____-____-

Standard Plans for Bridge Construction are included in the Structures Plans Component

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

STRUCTURE PLANS
ENGINEER OF RECORD:

LEO SPAANS, P.E.
P.E. NO.: 41781
1111 BRICKELL AVE, STE 2930
MIAMI, FL 33131
CONTRACT NO.: RFP 2021-09
VENDOR NO.: XXXXXXXX
CERTIFICATE OF AUTHORIZATION NO.: XXXX

FDOT PROJECT MANAGER:

CONFIDENTIAL
AND PROPRIETARY

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
-	21	B-1

NOT FOR CONSTRUCTION PRELIMINARY AND SUBJECT TO CHANGE

INDEX OF STRUCTURE PLANS

SHEETS NO.	SHEET DESCRIPTION
B-1	KEY SHEET
B-2	INDEX OF SHEETS
B-3	GENERAL NOTES
B-4	ISOMETRIC VIEW
B1-1A	PROJECT LAYOUT
B1-1	PROJECT LAYOUT
B1-2	PLAN AND ELEVATION
B1-3	FOOTING LAYOUT
B1-4	SOUTH MSE RAMP ELEVATION
B1-5	SOUTH PROPOSED PIER
B1-6	WALKWAY TYPICAL SECTION
B1-7	NORTH MSE RAMP ELEVATION
B1-8	NORTH MSE WALL AND RAMP/PLAN AND ELEVATIONS
B1-9	NORTH PROPOSED MSE TYPICAL SECTION
L-1	LIGHTING PLAN
L-2	LIGHTING PLAN
L-3	LIGHTING PLAN
LA-1	LANDSCAPING
LA-2	LANDSCAPING
LA-3	LANDSCAPING
LA-4	LANDSCAPING
MOT-1	MAINTENANCE OF TRAFFIC/PATHWAY CLOSURE 1 OF 4
MOT-2	MAINTENANCE OF TRAFFIC/PATHWAY CLOSURE 2 OF 4
MOT-3	MAINTENANCE OF TRAFFIC/PATHWAY CLOSURE 3 OF 4
MOT-4	MAINTENANCE OF TRAFFIC/PATHWAY CLOSURE 4 OF 4

ABBREVIATION AND SYMBOLS

	- CENTER LINE
	- EXPANSION JOINT
	- EXPANSION
	- MINIMUM HORIZONTAL CLEARANCE
	- BORING
	- DIRECTION OF STATIONING

REVISIONS						LEO SPAANS, PE, SE PE LICENSE NO. 41781 JANSSEN & SPAANS ENGINEERING, INC 1111 BRICKELL AVE, STE. 2930 MIAMI, FL 33131 	DRAWN BY: KR 10-21			CITY OF DORAL			SHEET TITLE:		REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		CHECKED BY: CS 10-21	INDEX OF SHEETS							
					CONFIDENTIAL AND PROPRIETARY		DESIGNED BY: LS 10-21	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	PROJECT NAME:	SHEET NO.			
							CHECKED BY: CS 10-21	-	MIAMI - DADE	441642-1-58-01	PEDESTRIAN BRIDGE OVER NW 41ST STREET	B-2			

GENERAL NOTES:

A. DESIGN SPECIFICATIONS

1. FLORIDA DEPARTMENT OF TRANSPORTATION STRUCTURES MANUAL DATED JANUARY 2021.
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, 2021.

B. GOVERNING STANDARDS AND CONSTRUCTION SPECIFICATIONS

1. FLORIDA DEPARTMENT OF TRANSPORTATION, FY 2022-23 STANDARD PLANS AND REVISED INDEX DRAWINGS AS APPENDED HEREIN.
2. FLORIDA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION JANUARY 2023 STANDARD, AS AMENDED BY CONTRACT DOCUMENTS.

C. VERTICAL DATUM

ALL ELEVATIONS ARE IN FEET AND ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988, UNO.

D. ENVIRONMENT

BRIDGE NUMBER	SUPERSTRUCTURE	SUBSTRUCTURE
		CONCRETE
XXXXX	S	M

S = SLIGHTLY AGGRESSIVE
M = MODERATELY AGGRESSIVE
E = EXTREMELY AGGRESSIVE

E. DESIGN METHODOLOGY

1. LOAD AND RESISTANCE FACTOR DESIGN (LRFD) METHOD USING STRENGTH, SERVICE, EXTREME EVENT [IF APPLICABLE] AND FATIGUE LIMIT STATES.

F. STRUCTURAL ANALYSIS PROGRAMS:

LARSA VERSION 8.1.10
LEAP BRIDGE CONCRETE VERSION 20.00.00.58

G. DESIGN LOADINGS

- A. LIVE LOADS:

1. H10 TRUCK WITHOUT DYNAMIC ALLOWANCE.

2. 90 PSF PEDESTRIAN LOAD WITHOUT DYNAMIC ALLOWANCE.
- B. DEAD LOADS:

REINFORCED CONCRETE _____ 150 PCF
- C. WIND LOADS:

WIN LOADS ARE IN ACCORDANCE WITH THE AASHTO, SECTION 3.8 AND "STRUCTURES DESIGN GUIDELINES" SECTION 2.4.
- D. SEISMIC LOADS:

SEISMIC PROVISIONS ARE IN ACCORDANCE WITH SECTION 2.3 OF THE "STRUCTURES DESIGN GUIDELINES".

E. UNIFORM TEMPERATURE:

STRUCTURAL MATERIAL	TEMPERATURE (°F)				COEFFICIENT OF THERMAL EXPANSION (IN/IN/°F)
	MEAN	HIGH	LOW	RANGE	
CONCRETE DECK ON STEEL GIRDERS	70	+105	+35	+70	0.000006

F. CONSTRUCTION LOADS:

CONSTRUCTION INACTIVE DESIGN WIND SPEED: 90 MPH.
VELOCITY PRESSURE EXPOSURE COEFFICIENT (K_z): 0.956
CONSTRUCTION ACTIVE DESIGN WIND SPEED: 30 MPH.

G. UTILITIES:

NO ALLOWANCE FOR UTILITY LOADS HAS BEEN INCLUDED IN THE DESIGN.

H. MATERIALS

1. REINFORCING STEEL: GRADE 60 CARBON STEEL PER SPECIFICATIONS SECTION 931.
2. CONCRETE:

CONCRETE CLASS	MIN. 28-DAY COMPRESSIVE STRENGTH (PSI)	LOCATION OF CONCRETE IN STRUCTURE
II (BRIDGE DECK)	4500	TOPPING
IV	5500	C.I.P. SUBSTRUCTURE (UNO)
V (SPECIAL)	6000	PRESTRESSED CONCRETE PILES
VI	8500	PRESTRESSED CONCRETE BEAMS

1. CONCRETE SHALL BE ACCORDANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION SPECIFICATION SECTION 346.
2. PROVIDE 3⁄4" CHAMFERS ON ALL EXPOSED EDGES, UNO.
3. UNLESS NOTED OTHERWISE CONCRETE COVER SHALL BE:

I. CONCRETE COVER

CAST-IN-PLACE SUPERSTRUCTURE (TOP OF DECK)	2½"
CAST-IN-PLACE SUPERSTRUCTURE (EXCEPT TOP OF DECK)	2"
PRECAST PRESTRESSED BEAMS (TOP SURFACE)	2"
CAST-IN-PLACE SUBSTRUCTURE (CAST AGAINST EARTH)	4"
CAST-IN-PLACE SUBSTRUCTURE (FORMED SURFACES)	3"
CAST-IN-PLACE SUBSTRUCTURE (TOP OF BEAM PEDESTALS AND CHEEKWALLS)	2"

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.

J. PLAN DIMENSIONS

1. ALL DIMENSIONS IN THESE PLANS ARE MEASURED IN FEET EITHER HORIZONTALLY OR VERTICALLY UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS AND JOINT OPENINGS IN THE STRUCTURE ARE MEASURED AT MEAN TEMPERATURE OF 70° F.

K. UTILITIES

1. FOR PLAN LOCATIONS OF EXISTING UTILITIES, SEE FOUNDATION LAYOUT SHEET. LOCATIONS OF UTILITIES, SHOWN IN THE PLANS ARE APPROXIMATE.
2. VERIFY LOCATION OF UTILITIES BEFORE COMMENCING CONSTRUCTION.

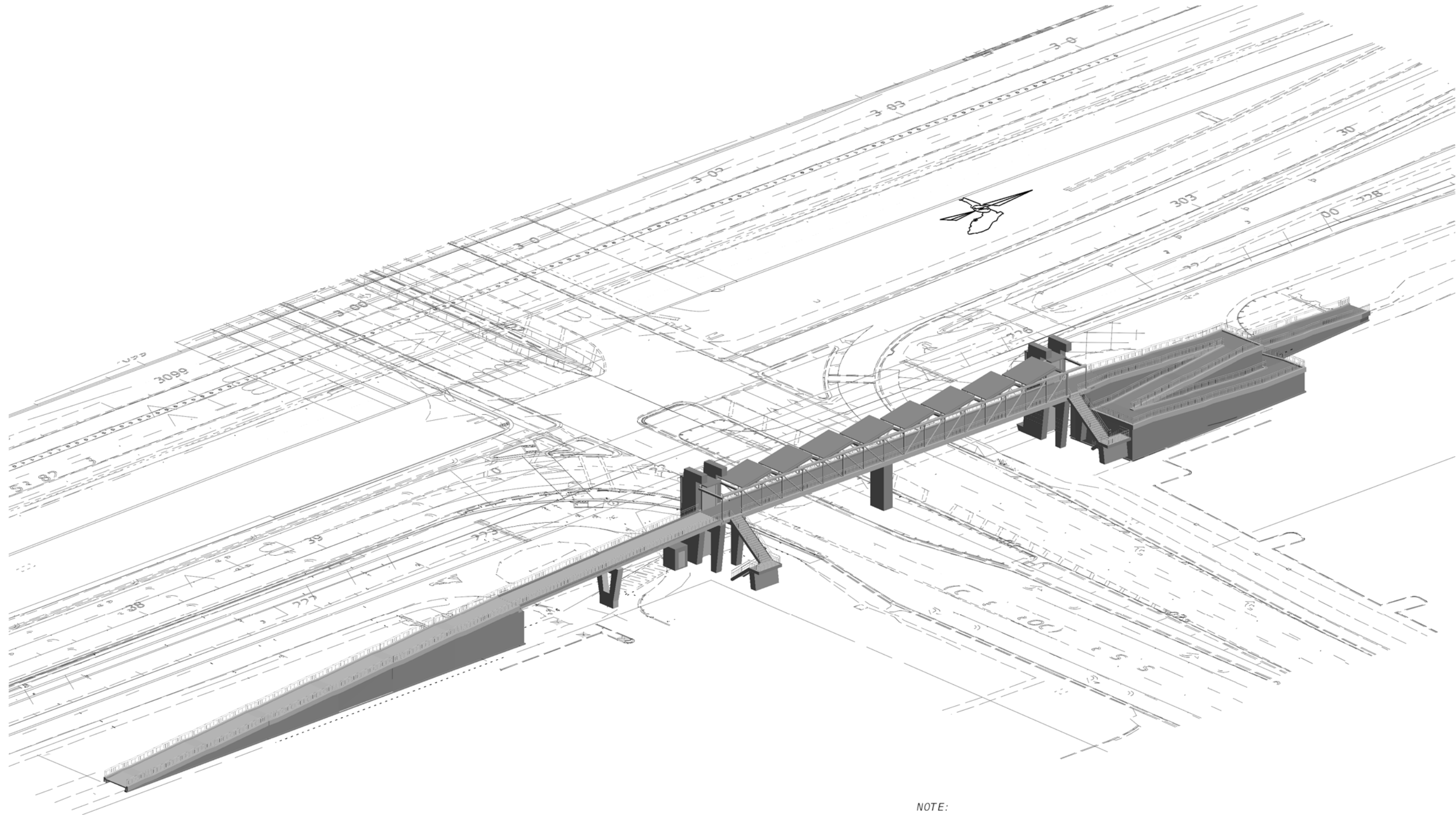
L. VIBRATION

VIBRATION MONITORING SHALL BE PER SECTION 455 OF THE STANDARD SPECIFICATION.

M. SCREEDING DECKS

1. SCREED THE WALKING 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 CASTING SEQUENCE, DECK FORMING SYSTEMS, CONSTRUCTION LOADS, OVERLAYS AND TEMPORARY SHORING, ETC. AS REQUIRED.

REVISIONS						DRAWN BY: KR 10-21 CHECKED BY: GN 10-21 DESIGNED BY: LS 10-21 CHECKED BY: CS 10-21	CITY OF DORAL			SHEET TITLE: GENERAL NOTES	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION						
					CONFIDENTIAL AND PROPRIETARY	LEO SPAANS, PE, SE PE LICENSE NO. 41781 JANSSEN & SPAANS ENGINEERING, INC 1111 BRICKELL AVE, STE. 2930 MIAMI, FL 33131				PROJECT NAME: PEDESTRIAN BRIDGE OVER NW 41ST STREET	SHEET NO. B-3



NOTE:
THESE DRAWINGS REFLECT THE USE OF PRECAST FSB BEAMS ON THE SOUTH APPROACH
AND THE MSE WALL RAMP AT THE NORTH APPROACH, AS APPROVED IN ATC 2C.

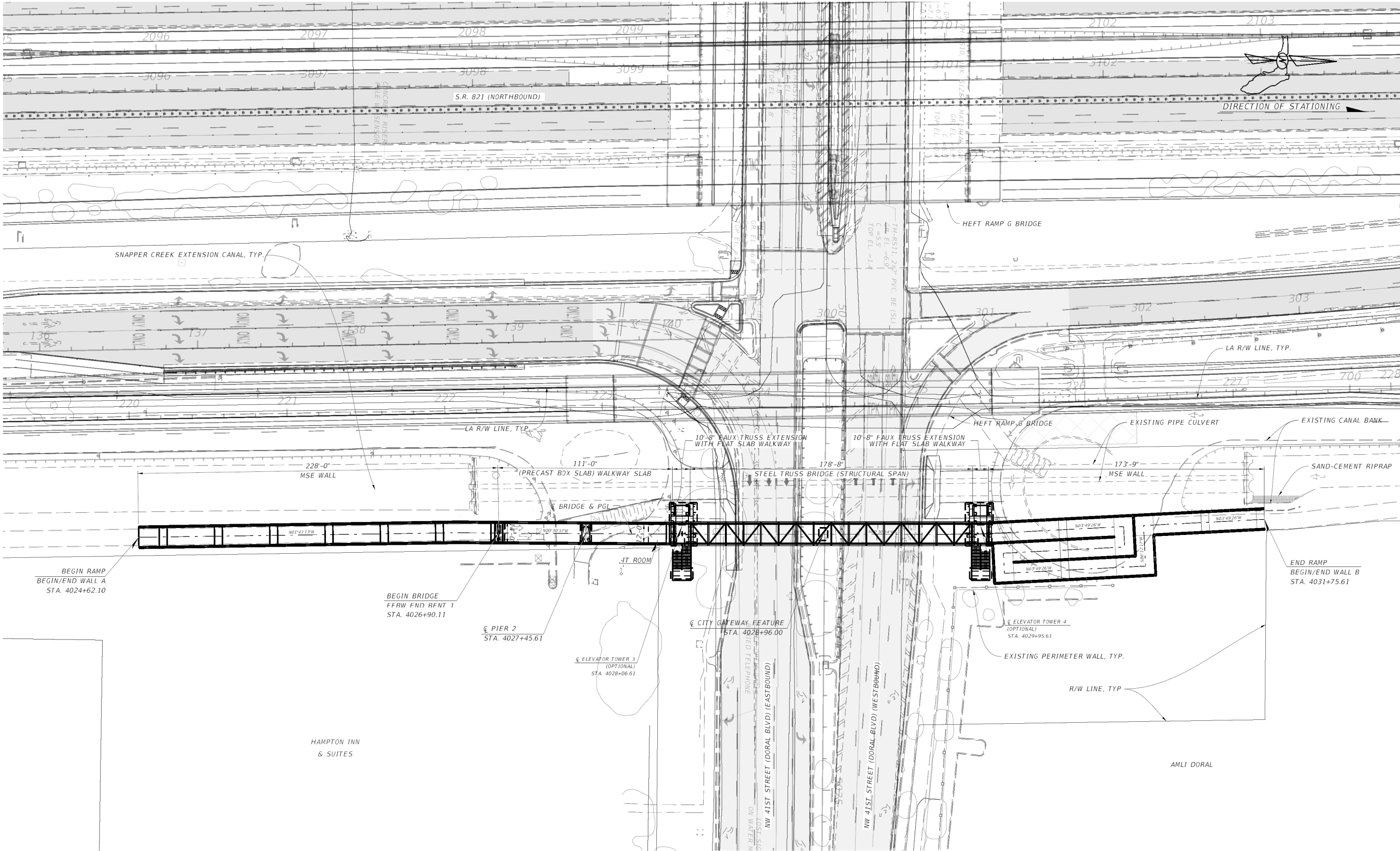
THESE DRAWINGS REFLECT THE OPTIONAL ELEVATOR ALTERNATE. IF THIS ALTERNATE IS NOT
SELECTED, MODIFIED DESIGN PLANS WILL BE SUBMITTED TO THE CITY FOR REVIEW AND
APPROVAL.

REVISIONS						CITY OF DORAL			SHEET TITLE: ISOMETRIC VIEW	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION					
						ROAD NO.	COUNTY	FINANCIAL PROJECT ID	PROJECT NAME:	SHEET NO.
						-	MIAMI-DADE	441642-1-58-01	PEDESTRIAN BRIDGE OVER NW 41ST STREET	B-4

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PE LICENSE NO. 41781
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CS 10-21
DESIGNED BY:
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CHECKED BY:
CS 10-21



PLAN

REVISIONS						LEO SPAANS, PE, SE PE LICENSE NO. 41781 JANSSEN & SPAANS ENGINEERING, INC 1111 BRICKELL AVE, STE. 2930 MIAMI, FL 33131  JANSSEN & SPAANS ENGINEERING  condotte america  Florida Professional Engineer	DRAWN BY: DN 10-21			CITY OF DORAL			SHEET TITLE:		REF. DWG. NO.
DATE		BY	DESCRIPTION		CHECKED BY: GN 10-21		PROJECT LAYOUT								
					DESIGNED BY: LS 10-21		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	PROJECT NAME:	SHEET NO.				
			CONFIDENTIAL AND PROPRIETARY		CHECKED BY: CS 10-21		-	MIAMI - DADE	441642-1-58-01			PEDESTRIAN BRIDGE OVER NW 41ST STREET	B1-1		

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CITY OF DORAL		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
-	MIAMI-DADE	441642-1-58-01

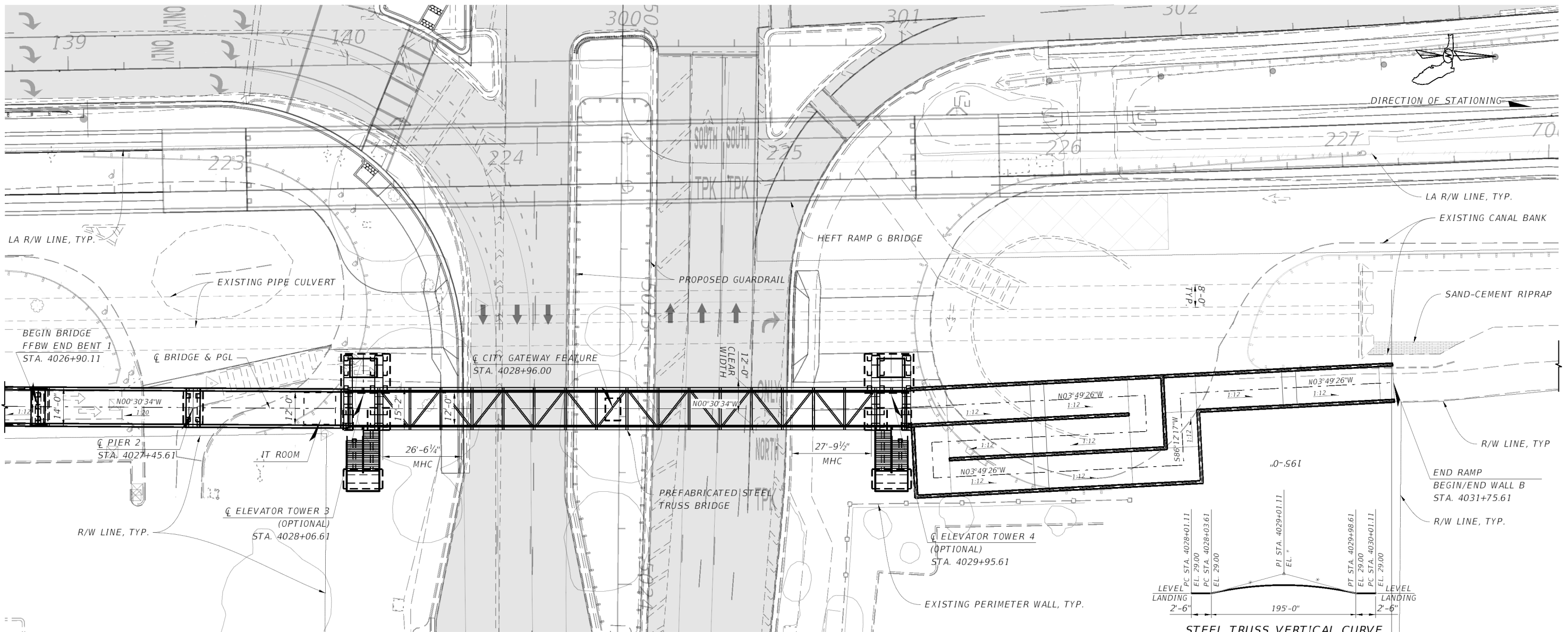
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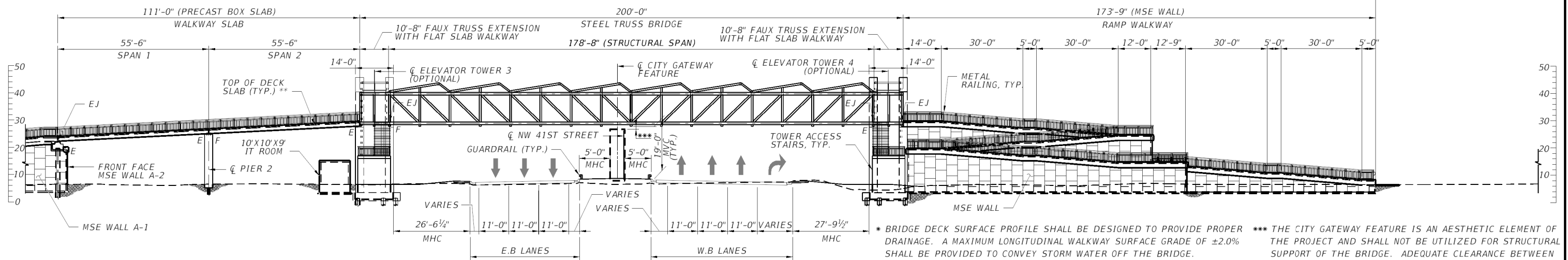
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STEEL TRUSS VERTICAL CURVE



* BRIDGE DECK SURFACE PROFILE SHALL BE DESIGNED TO PROVIDE PROPER DRAINAGE. A MAXIMUM LONGITUDINAL WALKWAY SURFACE GRADE OF $\pm 2.0\%$ SHALL BE PROVIDED TO CONVEY STORM WATER OFF THE BRIDGE.

** RAMP WALKWAY SURFACE PROFILE SHALL BE DESIGNED TO PROVIDE PROPER DRAINAGE AND TO MEET ADA REQUIREMENTS. LONGITUDINAL WALKWAY SURFACE GRADES EXCEEDING $\pm 5.0\%$ SHALL BE CONSIDERED RAMPS AND BE DESIGNED ACCORDINGLY.

*** THE CITY GATEWAY FEATURE IS AN AESTHETIC ELEMENT OF THE PROJECT AND SHALL NOT BE UTILIZED FOR STRUCTURAL SUPPORT OF THE BRIDGE. ADEQUATE CLEARANCE BETWEEN THE BRIDGE STRUCTURE AND GATEWAY FEATURE SHALL BE PROVIDED TO ACCOMMODATE MAINTENANCE AND INSPECTION ACCESS OF THE BRIDGE.

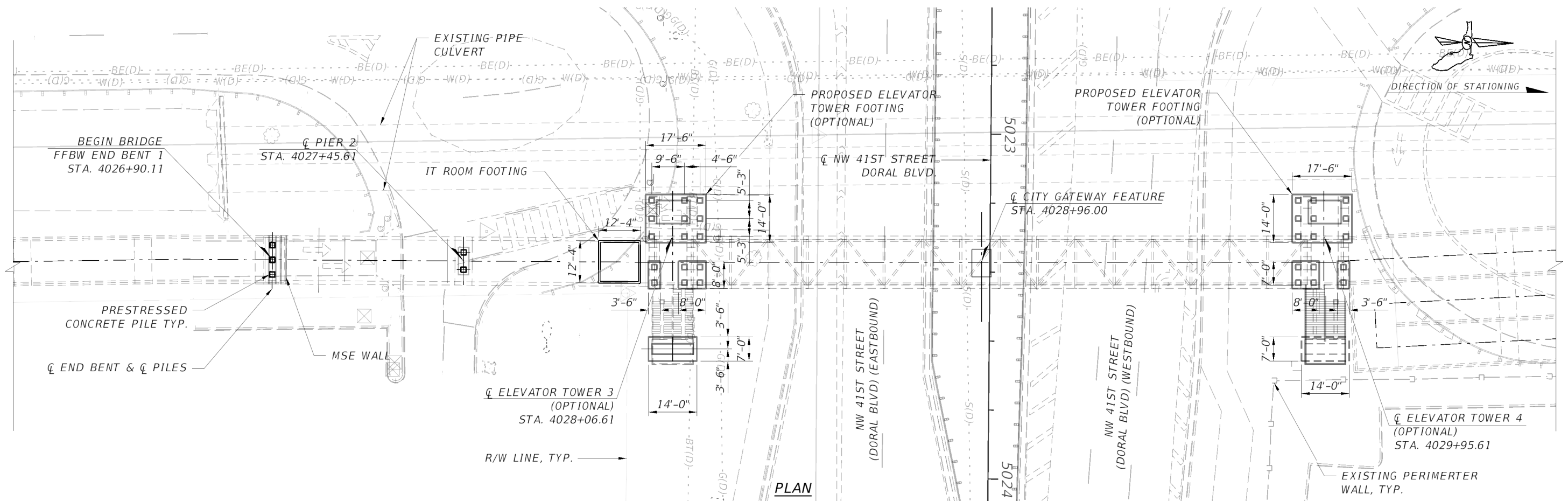
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						-	MIAMI-DADE	441642-1-58-01	PROJECT NAME:		SHEET NO.
									PEDESTRIAN BRIDGE OVER NW 41ST STREET		B1-2

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MIAMI, FL 33131

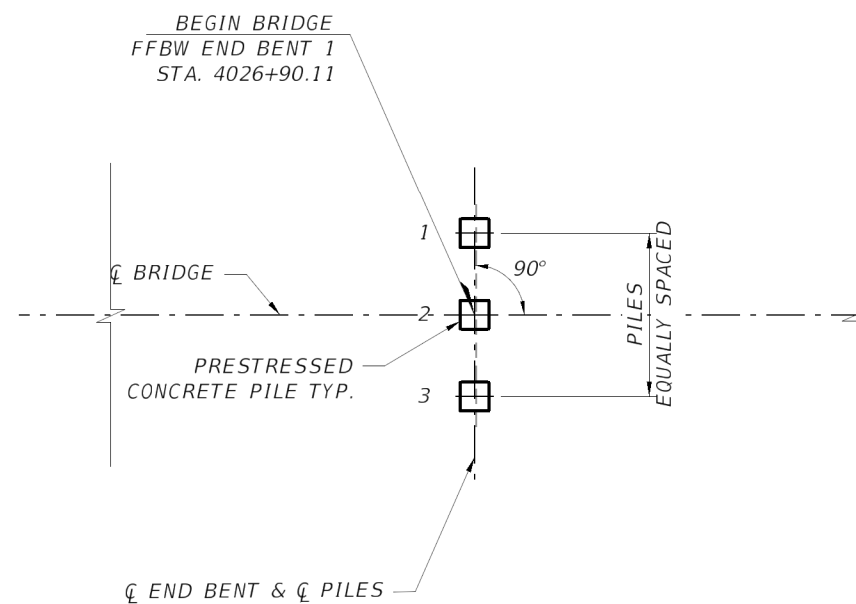


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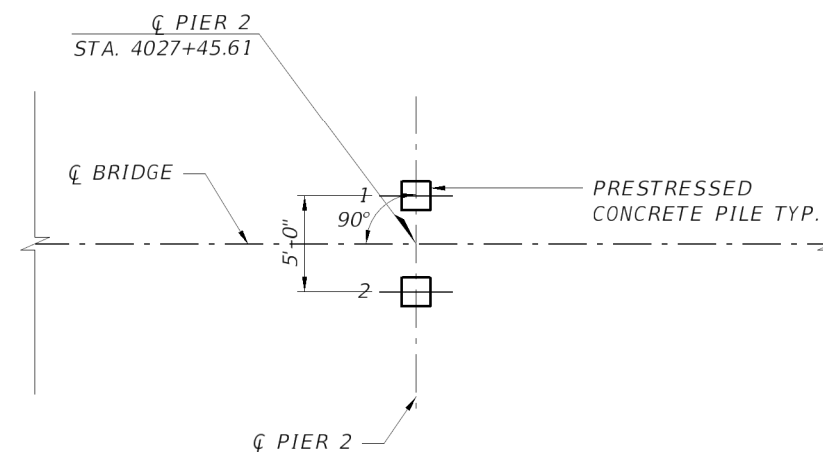


LEGEND:

 PRESTRESSED CONCRETE PILE



END BENT 1 PILE LAYOUT



PIER 2 PILE LAYOUT

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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		CHECKED BY: G.N 10-21									
					CONFIDENTIAL AND PROPRIETARY		DESIGNED BY: L.S 10-21	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	PROJECT NAME	SHEET NO.				
							CHECKED BY: C.S 10-21	-	MIAMI - DADE	441642-1-58-01	PEDESTRIAN BRIDGE OVER NW 41ST STREET	B1-3				

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JANSSEN & SPAANS ENGINEERING, INC.
1111 BRICKELL AVE, STE. 2930
MIAMI, FL 33131



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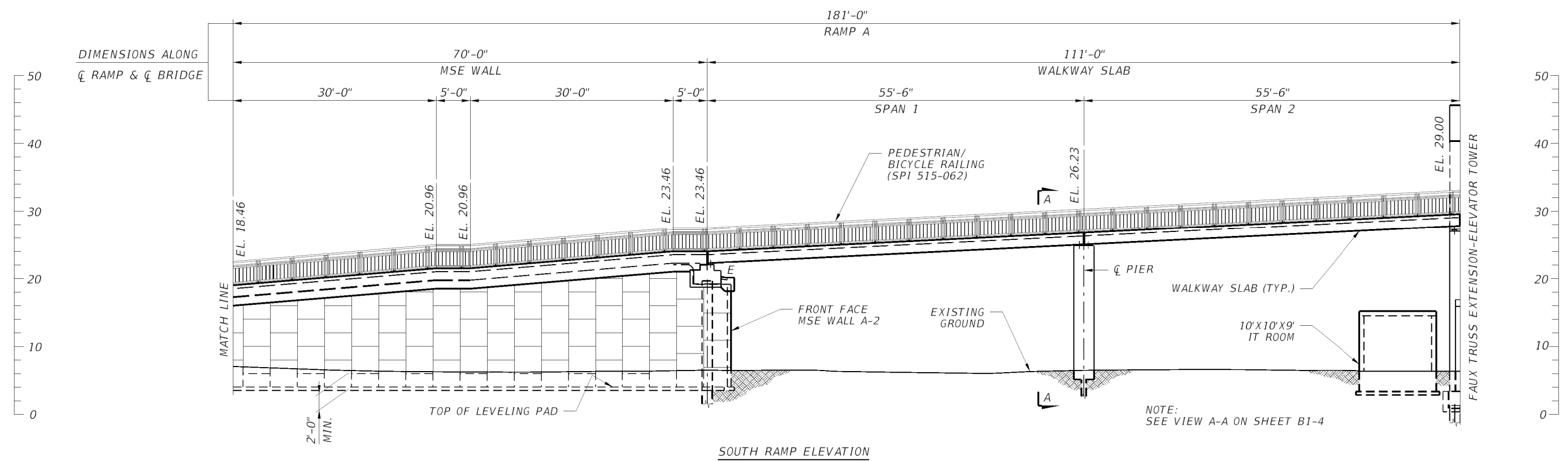
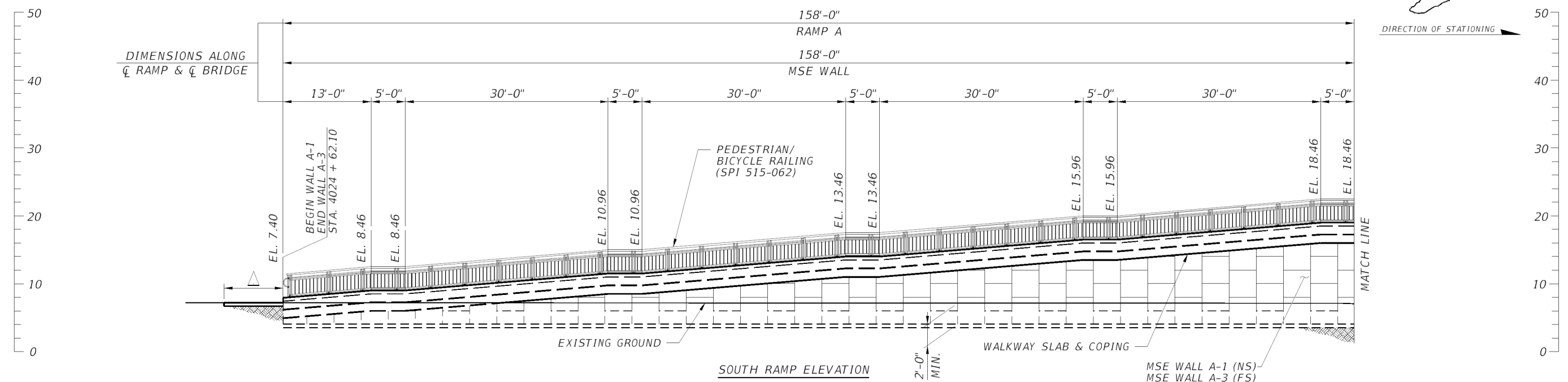
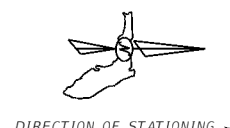
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NOTE:
PROVIDE A MINIMUM 5'-0" LONG CONCRETE LANDING AT BOTTOM OF RAMP.
USE A MINIMUM 6" THICK REINFORCED STRUCTURAL SLAB DOWELED TO THE WALKWAY SLAB AT MSE WALL WITH A 1/2" MAXIMUM SEALED JOINT.

REVISIONS						LEO SPAANS, PE, SE PE LICENSE NO. 41781 JANSSEN & SPAANS ENGINEERING, INC 11111 BRICKELL AVE, STE. 2930 MIAMI, FL 33131  JANSSEN & SPAANS ENGINEERING  condotte america  Hoffman Group	DRAWN BY: KR 10-21			CITY OF DORAL			SHEET TITLE:			REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		CHECKED BY: GN 10-21	SOUTH MSE RAMP ELEVATION								
		CONFIDENTIAL AND PROPRIETARY					DESIGNED BY: LS 10-21	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	PROJECT NAME:	SHEET NO.				
							CHECKED BY: CS 10-21	-	MIAMI-DADE	441642-1-58-01	PEDESTRIAN BRIDGE OVER NW 41ST STREET	B1-4				

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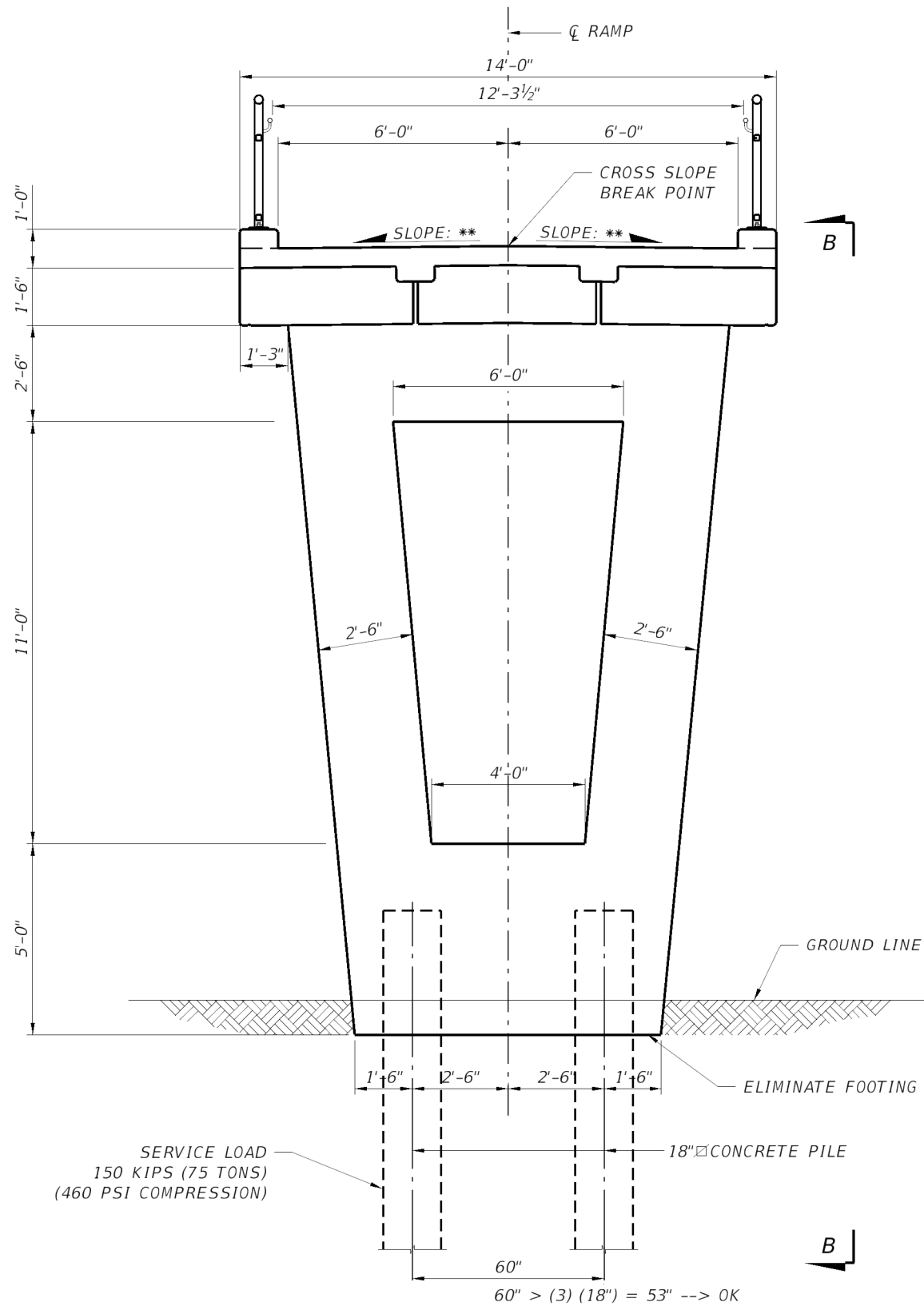


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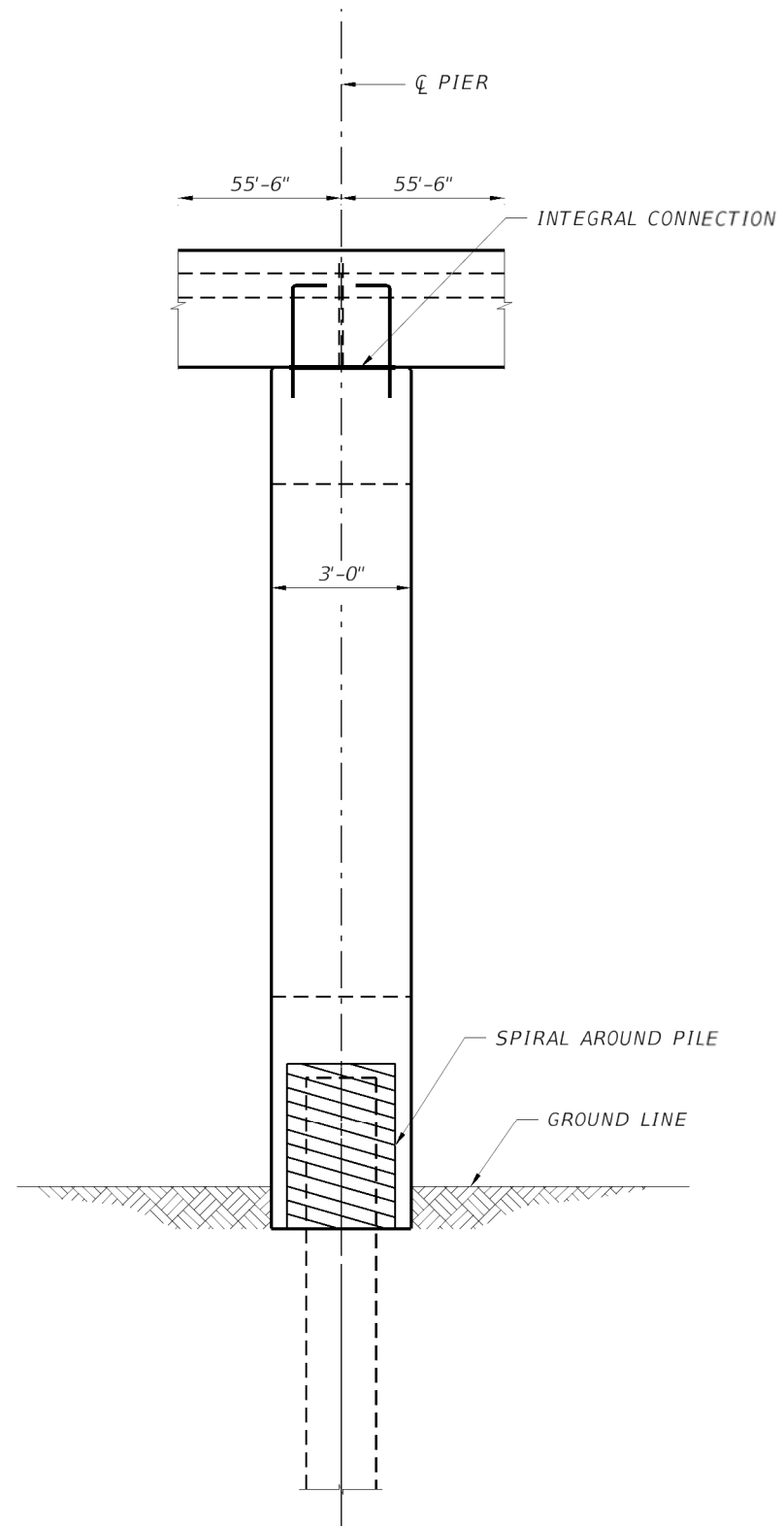
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COUNTY
MIAMI - DADE
FINANCIAL PROJECT ID
441642-1-58-01

PROJECT NAME:
PEDESTRIAN BRIDGE OVER NW 41ST STREET

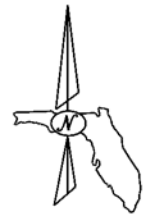
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VIEW A-A



VIEW B-B



DIRECTION OF STATIONING

NOTE:
1. TYPICAL PIER DETAILS APPLY TO PIER 2.

REVISIONS						CITY OF DORAL			SOUTH PROPOSED PIER		REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	PROJECT NAME		
						-	MIAMI - DADE	441642-1-58-01	PEDESTRIAN BRIDGE OVER NW 41ST STREET		
CONFIDENTIAL AND PROPRIETARY											B1-5

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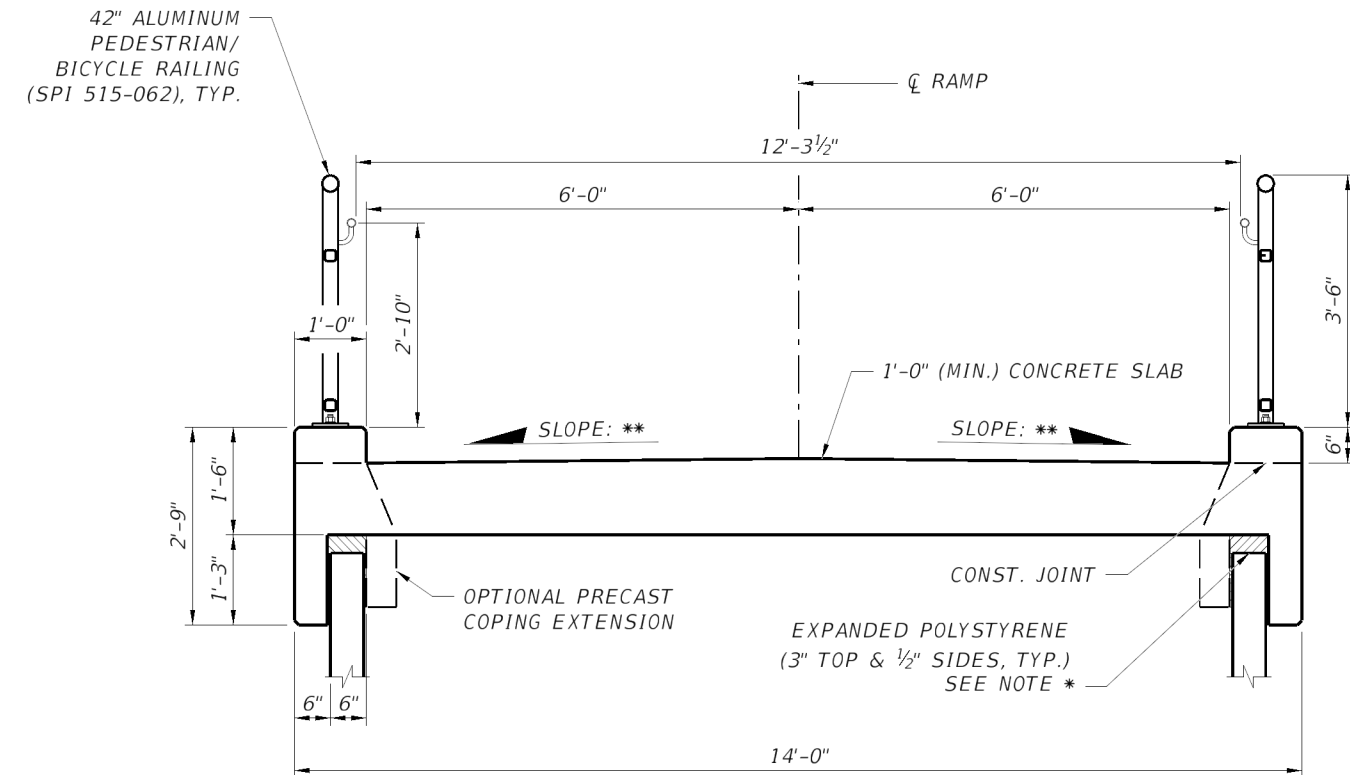
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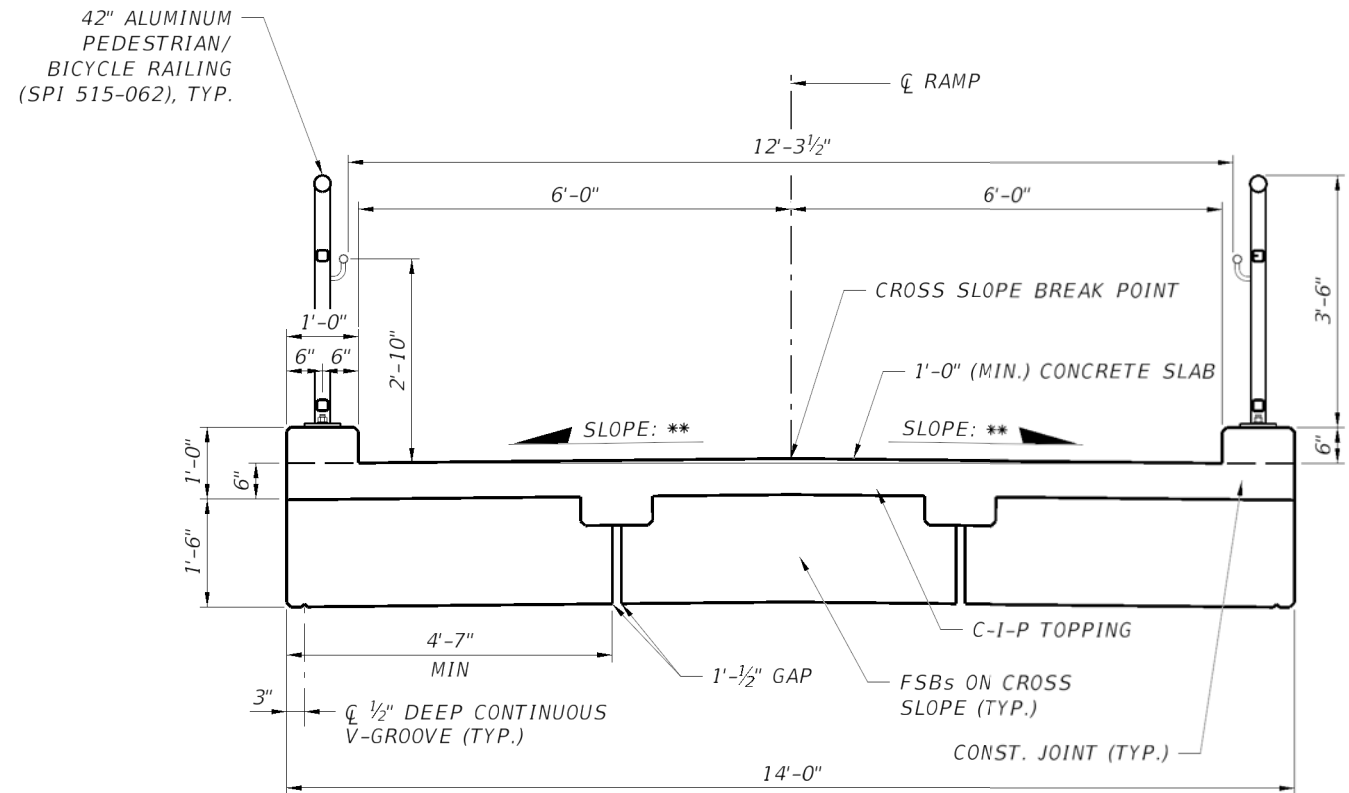
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WALKWAY SLAB TYPICAL SECTION
(AT MSE WALL LOCATIONS)



WALKWAY SLAB TYPICAL SECTION
(AT BRIDGE APPROACHES)

NOTE:

- * DESIGNER SHALL DESIGN AND DETAIL WALKWAY SLAB AT MSE WALL TO ACCOMMODATE ANY WALL SETTLEMENT TO AVOID DAMAGE TO THE WALL COPING AND/OR WALL PANELS RESULTING FROM DIFFERENTIAL MOVEMENT AND CONTRACT BETWEEN THE WALL PANELS AND COPING/SLAB.
- ** RAMP WALKWAY SURFACE SHALL BE SLOPED TO PROVIDE PROPER DRAINAGE. WALKWAY SURFACE CROSS-SLOPE SHALL BE A MINIMUM OF 1.5% AND A MAXIMUM OF 2% TRANSVERSE TO THE CENTERLINE OF RAMP.

REVISIONS						LEO SPAANS, PE, SE PE LICENSE NO. 41781 JANSSEN & SPAANS ENGINEERING, INC 1111 BRICKELL AVE, STE. 2930 MIAMI, FL 33131 JSE JANSSEN & SPAANS ENGINEERING  condotte america  Member Company	CITY OF DORAL			SHEET TITLE:		REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		WALKWAY TYPICAL SECTION					
					CONFIDENTIAL PROPRIETARY		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	PROJECT NAME:	SHEET NO.	
							-	MIAMI - DADE	441642-1-58-01	PEDESTRIAN BRIDGE OVER NW 41ST STREET	B1-6	

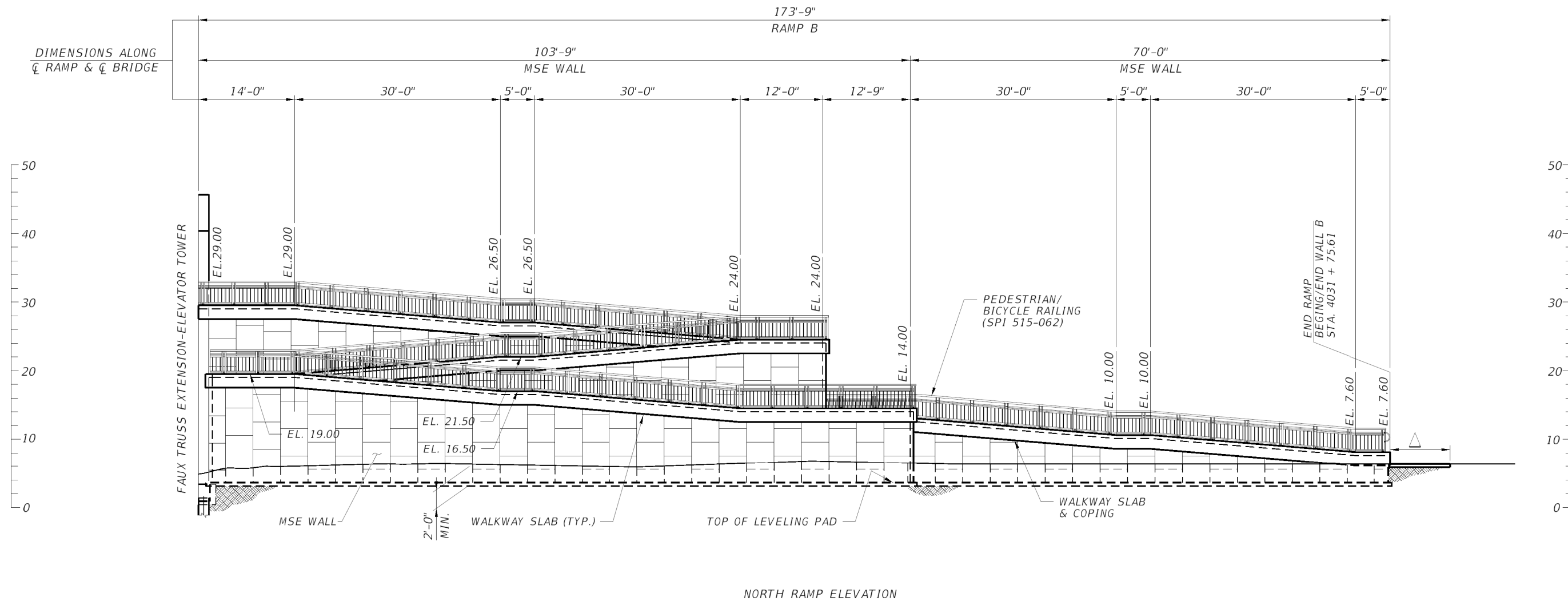
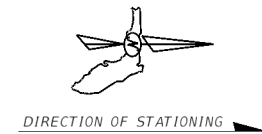
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NOTE:
△ PROVIDE A MINIMUM 5'-0" LONG CONCRETE LANDING AT BOTTOM OF RAMP.
USE A MINIMUM 6" THICK REINFORCED STRUCTURAL SLAB DOWELED TO THE WALKWAY SLAB AT MSE WALL WITH A 1/2" MAXIMUM SEALED JOINT.

REVISIONS						CITY OF DORAL			SHEET TITLE:		REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	NORTH MSE RAMP ELEVATION		
									PROJECT NAME:		SHEET NO.
							MIAMI - DADE	441642-1-58-01	PEDESTRIAN BRIDGE OVER NW 41ST STREET		B1-7

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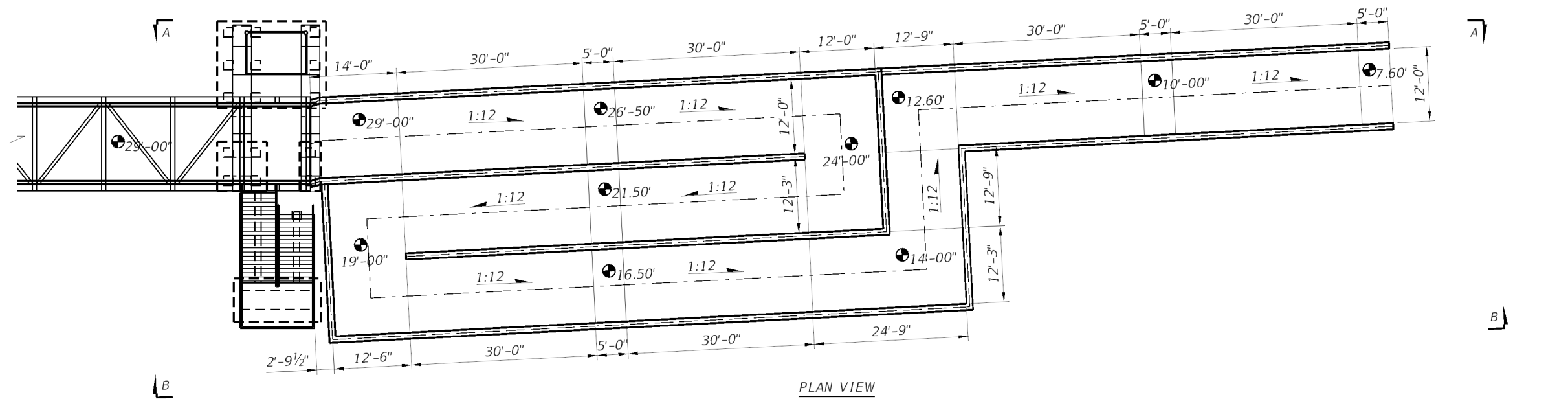
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CS 10-21

kreyes

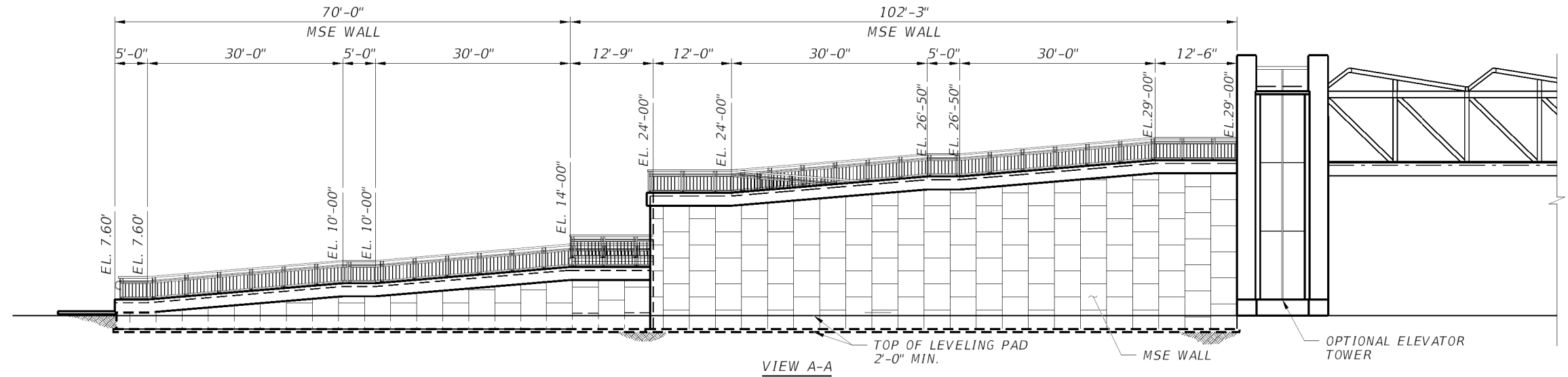
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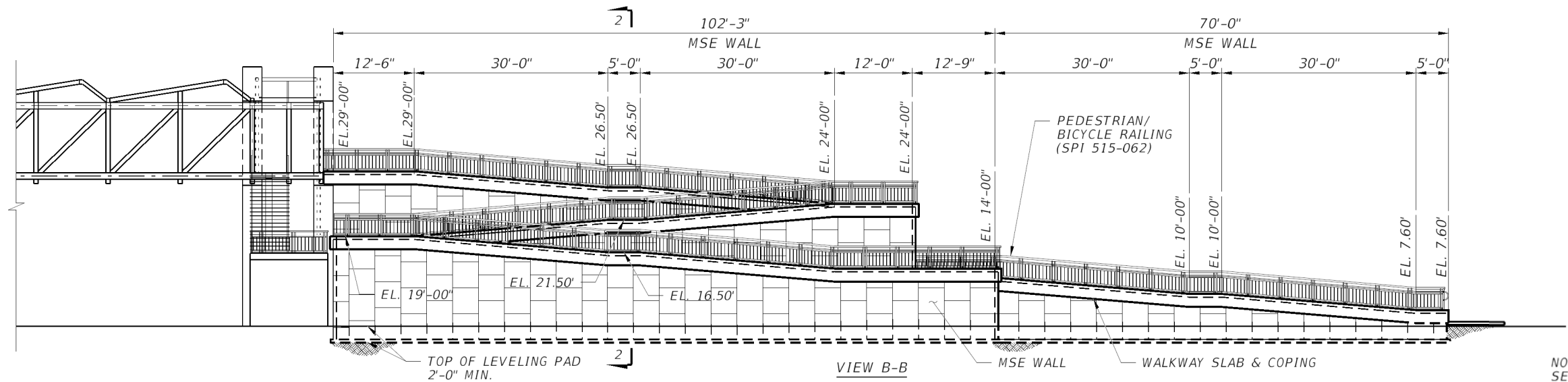
NOT FOR CONSTRUCTION PRELIMINARY AND SUBJECT TO CHANGE



PLAN VIEW



VIEW A-A

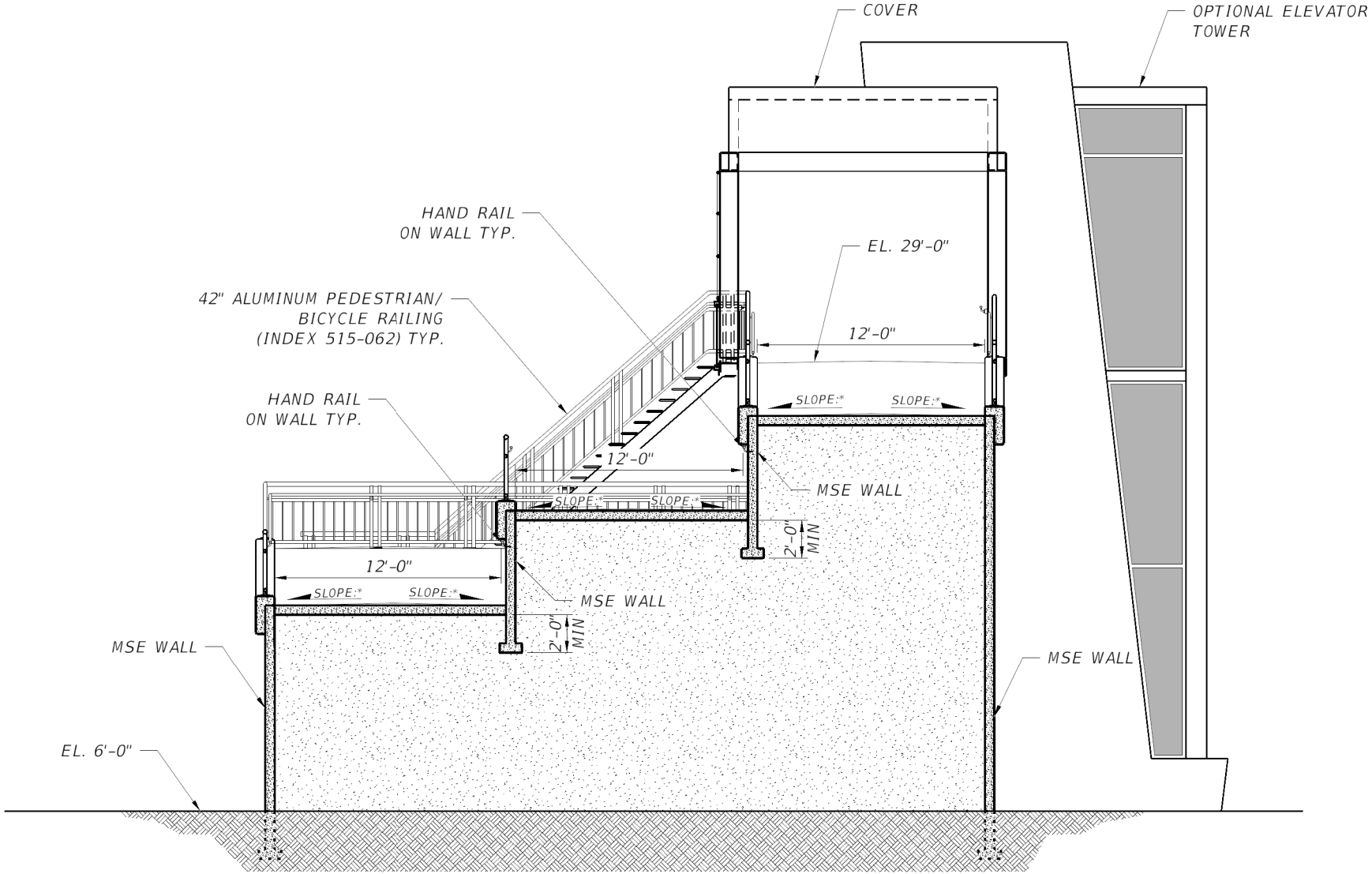


VIEW B-B

NOTE:
SEE SECTION 2-2 ON SHEET B1-9

REVISIONS						LEO SPAANS, PE, SE PE LICENSE NO. 41781 JANSSEN & SPAANS ENGINEERING, INC 11111 BRICKELL AVE., STE. 2930 MIAMI, FL 33131 	DRAWN BY: DN 10-21 CHECKED BY: GN 10-21 DESIGNED BY: LS 10-21 CHECKED BY: GN 10-21			CITY OF DORAL			SHEET TITLE: NORTH MSE WALL AND RAMP PLAN & ELEVATION		REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	PROJECT NAME:		SHEET NO.			
					CONFIDENTIAL AND PROPRIETARY		-	MIAMI - DADE	441642-1-58-01	PEDESTRIAN BRIDGE OVER NW 41ST STREET		B1-8			

NOTE:
RAMP WALKWAY SURFACE SHALL BE SLOPED TO PROVIDE PROPER DRAINAGE.
WALKWAY SURFACE CRS00-SLOPE SHALL BE MINIMUM OF 1.5% AND MAXIMUM
OF 2% TRANSVERSE TO THE CENTER LINE OF RAMP



SECTION 2-2

REVISIONS						CITY OF DORAL			SHEET TITLE:		REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	ROAD NO.	COUNTY	FINANCIAL PROJECT ID	NORTH MSE WALL TYPICAL SECTION		
									PROJECT NAME:		SHEET NO.
						-	MIAMI - DADE	441642-1-58-01	PEDESTRIAN BRIDGE OVER NW 41ST STREET		B1-9

LEO SPAANS, PE, SE
PE LICENSE NO. 41781
JANSSEN & SPAANS ENGINEERING, INC
1111 BRICKELL AVE, STE. 2930
MIAMI, FL 33131



DRAWN BY:
KR 10-21
CHECKED BY:
GN 10-21
DESIGNED BY:
LS 10-21
CHECKED BY:
CS 10-21

kreyes

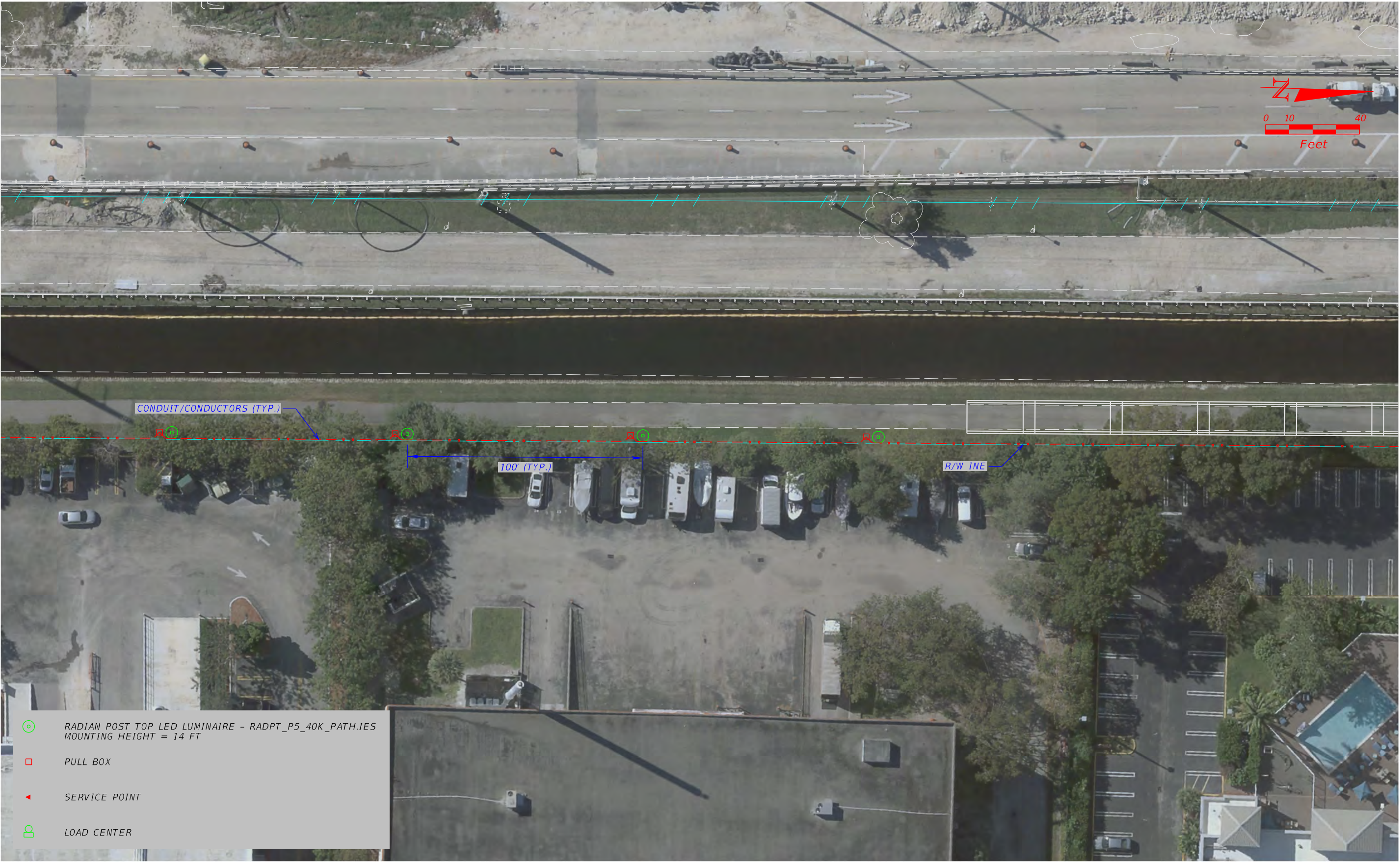
11/11/2021

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NOT FOR CONSTRUCTION PRELIMINARY AND SUBJECT TO CHANGE

9/24/2021 5:16:54 PM Mat.Neddeff N:\HIGHWAY\XPXXXX.MK - City of Doral Ped Bridge Design Build\CADD\Doral PED Bridge Lighting\PLAN\L101.dgn



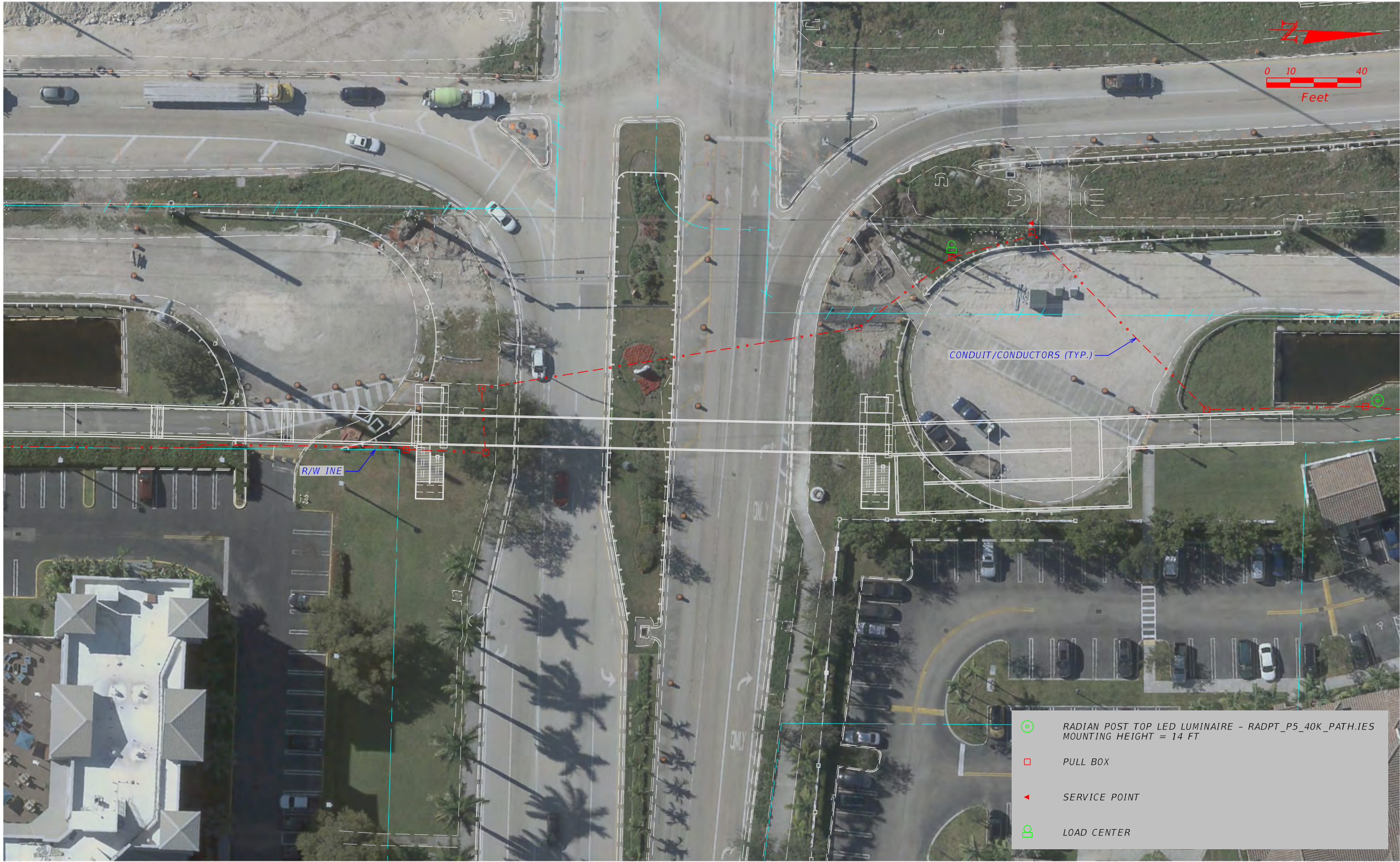
-  RADIAN POST TOP LED LUMINAIRE - RADPT_P5_40K_PATH.IES
MOUNTING HEIGHT = 14 FT
-  PULL BOX
-  SERVICE POINT
-  LOAD CENTER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD: MATTHEW D. NEDDEFF, P.E. #71611		
KCI TECHNOLOGIES, INC.		
1425 W CYPRESS CREEK RD., SUITE 101 FORT LAUDERDALE, FLORIDA 33309-2132 O: (954) 776-1616		
CITY OF DORAL		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NW 41 ST	MIAMI-DADE	441642-1-58-01

LIGHTING PLAN	SHEET NO.
	L-1

9/24/2021 5:16:59 PM Mat.Neddeff N:\HIGHWAY\SP\XXXX.MK - City of Doral Ped Bridge Design Build\CADD\Doral PED Bridge Lighting\PLAN\L01.dgn



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD: MATTHEW D. NEDDEFF, P.E. #71611		
CITY OF DORAL		
KCI TECHNOLOGIES, INC.		
1425 W CYPRESS CREEK RD., SUITE 101 FORT LAUDERDALE, FLORIDA 33309-2132 O: (954) 776-1616		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NW 41 ST	MIAMI-DADE	441642-1-58-01

LIGHTING PLAN	SHEET NO.
	L-2

9/24/2021 5:17:04 PM Mat.Neddeff N:\HIGHWAY\SP\XXXX.MK - City of Doral Ped Bridge Design Build\CADD\Doral PED Bridge Lighting\PLAN\L101.dgn



 RADIAN POST TOP LED LUMINAIRE - RADPT_P5_40K_PATH.IES
MOUNTING HEIGHT = 14 FT

 PULL BOX

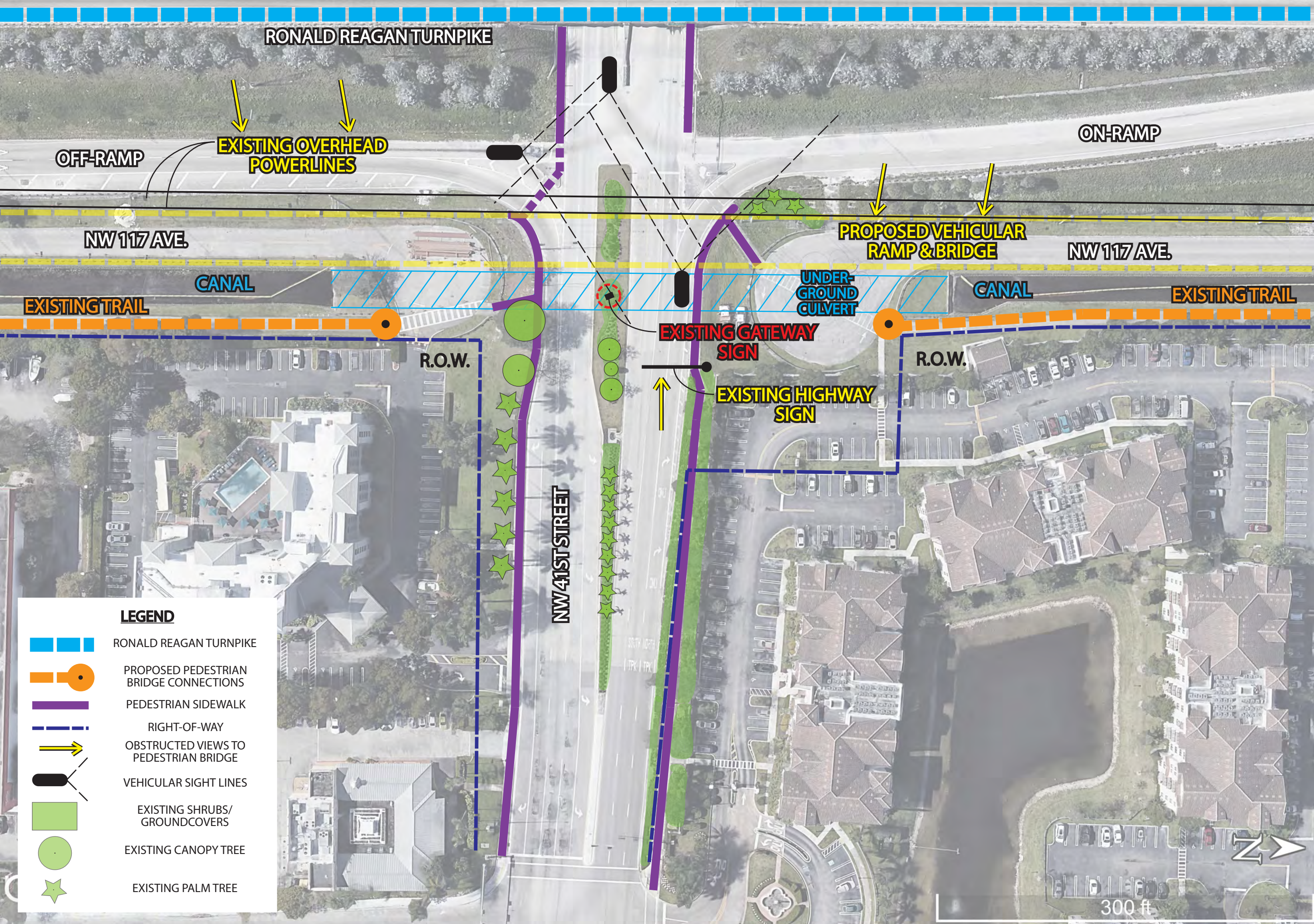
 SERVICE POINT

 LOAD CENTER

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD: MATTHEW D. NEDDEFF, P.E. #71611		
KCI TECHNOLOGIES, INC.		
1425 W CYPRESS CREEK RD., SUITE 101 FORT LAUDERDALE, FLORIDA 33309-2132 O: (954) 776-1616		
CITY OF DORAL		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
NW 41 ST	MIAMI-DADE	441642-1-58-01

LIGHTING PLAN	SHEET NO.
	L-3



RONALD REAGAN TURNPIKE

OFF-RAMP

EXISTING OVERHEAD
POWERLINES

NW 117 AVE.

CANAL

EXISTING TRAIL

R.O.W.

NW 41ST STREET

EXISTING GATEWAY
SIGN

EXISTING HIGHWAY
SIGN

PROPOSED VEHICULAR
RAMP & BRIDGE

UNDER-
GROUND
CULVERT

ON-RAMP

NW 117 AVE.

CANAL

EXISTING TRAIL

R.O.W.

LEGEND

- RONALD REAGAN TURNPIKE
- PROPOSED PEDESTRIAN
BRIDGE CONNECTIONS
- PEDESTRIAN SIDEWALK
- RIGHT-OF-WAY
- OBSTRUCTED VIEWS TO
PEDESTRIAN BRIDGE
- VEHICULAR SIGHT LINES
- EXISTING SHRUBS/
GROUNDCOVERS
- EXISTING CANOPY TREE
- EXISTING PALM TREE

DORAL, FLORIDA

SITE INVENTORY & ANALYSIS

PEDESTRIAN BRIDGE
DORAL BOULEVARD

CITY OF DORAL



RONALD REAGAN TURNPIKE
(NEW LANE IN CONSTRUCTION)

OFF-RAMP

NW 117 AVE.

ON-RAMP

NW 117 AVE.

VEHICULAR RAMP & BRIDGE (IN CONSTRUCTION)

POTENTIAL PARKING/
ACCESS TURN-AROUND

POTENTIAL PARKING/
ACCESS TURN-AROUND

PROPOSED PEDESTRIAN
BRIDGE

PROPOSED GATEWAY
SIGN

NW 41ST STREET

LEGEND

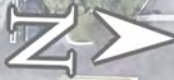
-  PROPOSED GATEWAY SIGN
-  BRIDGE FLOWER PLANTERS
-  BUFFER PLANTINGS WITH TREES
-  EXISTING PLANTS & TREES TO REMAIN
-  PROPOSED LANDSCAPE AREAS & TREES

DORAL, FLORIDA

LANDSCAPE OPPORTUNITY PLAN

PEDESTRIAN BRIDGE
DORAL BOULEVARD

CITY OF DORAL



300 ft

79TH AVE

BUSINESS SIGNAGE

OFF-RAMP

R.O.W.

STORMWATER
DETENTION

EXISTING GATEWAY
SIGN

NW 36TH STREET

POTENTIAL GATEWAY
SIGN LOCATION

EXISTING HIGHWAY
SIGN

EXISTING HIGHWAY
SIGN

ON-RAMP

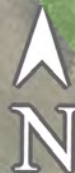
PALMETTO EXPRESSWAY

R.O.W.

STORMWATER
DETENTION

BUSINESS SIGNAGE

300 ft



LEGEND



PALMETTO EXPRESSWAY



PEDESTRIAN SIDEWALK



RIGHT-OF-WAY



VEHICULAR SIGHT LINES



STORMWATER DETENTION
AREAS



EXISTING TREES & SHRUBS/
GROUNDCOVERS



VIEWS TO SIGNAGE

79TH AVE.

NW 36TH STREET

PALMETTO EXPRESSWAY

OFF-RAMP

ON-RAMP

PROPOSED GATEWAY SIGN

PROPOSED GATEWAY SIGN

LEGEND

-  PROPOSED GATEWAY SIGN
-  REFURBISHED SHRUBS/ GROUNDCOVERS
-  BUFFER PLANTINGS WITH TREES
-  POTENTIAL WILDFLOWER AREA
-  EXISTING PLANTS & TREES TO REMAIN
-  PROPOSED LANDSCAPE AREAS

300 ft



DORAL, FLORIDA

LANDSCAPE OPPORTUNITY PLAN

NW 36TH ST GATEWAY
DORAL BOULEVARD

CITY OF DORAL



BORRELLI & PARTNERS
ARCHITECTURAL PLANNING LANDSCAPE INTERIOR
720 VASSAR STREET ORLANDO FLORIDA 32804
407.920.1010 FAX 407.920.1042





SEE SHEET MOT-2

MATCH LINE

- SYMBOLS:
- WORK AREA
 - TEMPORARY PEDESTRIAN/BIKE WAY
 - WORK ZONE SIGN
 - PEDESTRIAN LONGITUDINAL CHANNELIZING DEVICE (LCD)
 - LANE IDENTIFICATION AND DIRECTION OF TRAFFIC

REVISIONS						LEO SPAANS, PE, SE PE LICENSE NO. 41781 JANSSEN & SPAANS ENGINEERING, INC 1111 BRICKELL AVE, STE. 2930 MIAMI, FL 33131	 	DRAWN BY: KR CHECKED BY: CS DESIGNED BY: LS CHECKED BY: CS	CITY OF DORAL			SHEET TITLE:		REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION							MAINTENANCE OF TRAFFIC / PATHWAY CLOSURE 1 OF 4		
					CONFIDENTIAL AND PROPRIETARY				ROAD NO.	COUNTY	FINANCIAL PROJECT ID	PROJECT NAME:		SHEET NO.
									-	MIAMI-DADE	441642-1-58-01	PEDESTRIAN BRIDGE OVER NW 41ST STREET		MOT-1

SEE SHEET MOT-1

MATCH LINE



SEE SHEET MOT-3

MATCH LINE

- SYMBOLS:
- WORK AREA
 - TEMPORARY PEDESTRIAN/BIKE WAY
 - WORK ZONE SIGN
 - PEDESTRIAN LONGITUDINAL CHANNELIZING DEVICE (LCD)
 - LANE IDENTIFICATION AND DIRECTION OF TRAFFIC

REVISIONS						LEO SPAANS, PE, SE PE LICENSE NO. 41781 JANSSEN & SPAANS ENGINEERING, INC 1111 BRICKELL AVE, STE. 2930 MIAMI, FL 33131	CITY OF DORAL			SHEET TITLE:		REF, DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION					MAINTENANCE OF TRAFFIC / PATHWAY CLOSURE 2 OF 4		
					CONFIDENTIAL AND PROPRIETARY					PROJECT NAME:		SHEET NO.
							ROAD NO.	COUNTY	FINANCIAL PROJECT ID	PEDESTRIAN BRIDGE OVER NW 41ST STREET		MOT-2
							-	MIAMI-DADE	441642-1-58-01			

SEE SHEET MOT-2

MATCH LINE



SEE SHEET MOT-4

MATCH LINE

- SYMBOLS:
- WORK AREA
 - TEMPORARY PEDESTRIAN/BIKE WAY
 - WORK ZONE SIGN
 - PEDESTRIAN LONGITUDINAL CHANNELIZING DEVICE (LCD)
 - LANE IDENTIFICATION AND DIRECTION OF TRAFFIC

REVISIONS						LEO SPAANS, PE, SE PE LICENSE NO. 41781 JANSSEN & SPAANS ENGINEERING, INC 11111 BRICKELL AVE, STE. 2930 MIAMI, FL 33131	 	DRAWN BY: KR CHECKED BY: CS DESIGNED BY: LS CHECKED BY: CS	CITY OF DORAL			SHEET TITLE:		REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION							MAINTENANCE OF TRAFFIC / PATHWAY CLOSURE 3 OF 4		
					CONFIDENTIAL AND PROPRIETARY				ROAD NO.	COUNTY	FINANCIAL PROJECT ID	PROJECT NAME:		SHEET NO.
									-	MIAMI-DADE	441642-1-58-01	PEDESTRIAN BRIDGE OVER NW 41ST STREET		MOT-3

SEE SHEET MOT-3

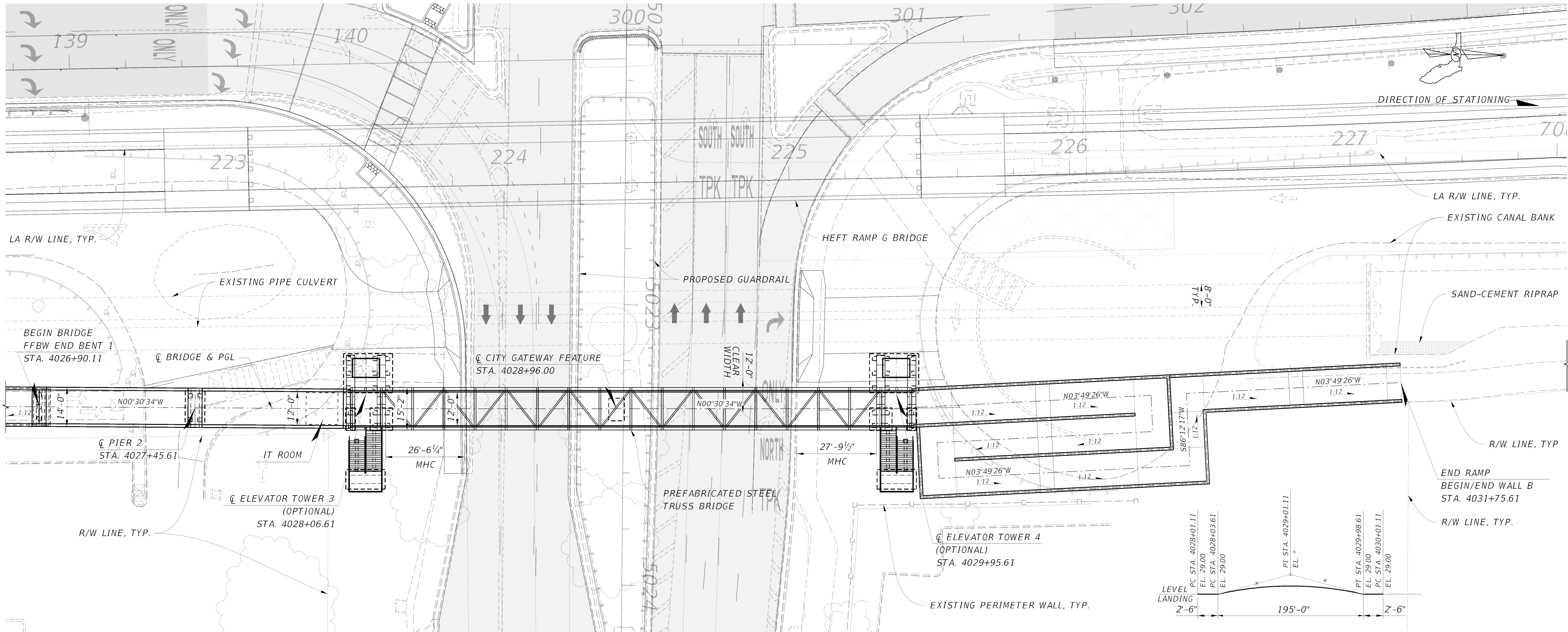
MATCH LINE



- SYMBOLS:
- WORK AREA
 - TEMPORARY PEDESTRIAN/BIKE WAY
 - WORK ZONE SIGN
 - PEDESTRIAN LONGITUDINAL CHANNELIZING DEVICE (LCD)
 - LANE IDENTIFICATION AND DIRECTION OF TRAFFIC

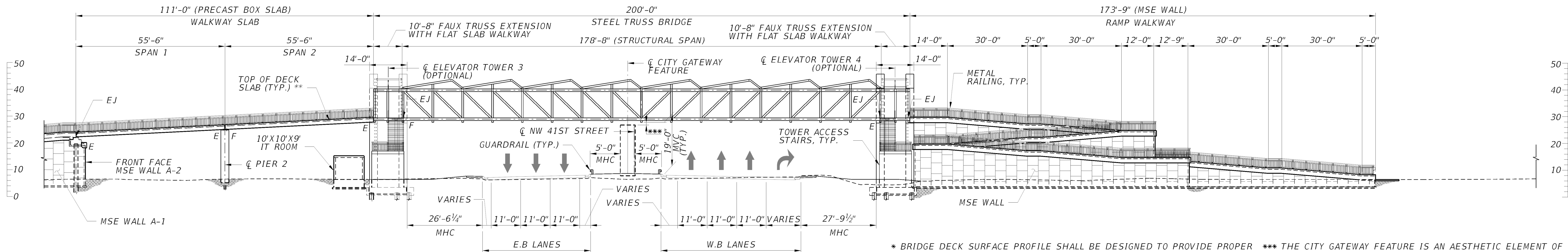
REVISIONS										LEO SPAANS, PE, SE PE LICENSE NO. 41781 JANSSEN & SPAANS ENGINEERING, INC 1111 BRICKELL AVE, STE. 2930 MIAMI, FL 33131 	DRAWN BY: KR			CITY OF DORAL			SHEET TITLE:		REF. DWG. NO.	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	CHECKED BY: CS	MAINTENANCE OF TRAFFIC / PATHWAY CLOSURE 4 OF 4													
		CONFIDENTIAL AND PROPRIETARY				DESIGNED BY: LS	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		PROJECT NAME:	SHEET NO.								
						CHECKED BY: CS	-	MIAMI-DADE	441642-1-58-01		PEDESTRIAN BRIDGE OVER NW 41ST STREET	MOT-4								

NOT FOR CONSTRUCTION PRELIMINARY AND SUBJECT TO CHANGE



PLAN

STEEL TRUSS VERTICAL CURVE



ELEVATION

* BRIDGE DECK SURFACE PROFILE SHALL BE DESIGNED TO PROVIDE PROPER DRAINAGE. A MAXIMUM LONGITUDINAL WALKWAY SURFACE GRADE OF $\pm 2.0\%$ SHALL BE PROVIDED TO CONVEY STORM WATER OFF THE BRIDGE.

** RAMP WALKWAY SURFACE PROFILE SHALL BE DESIGNED TO PROVIDE PROPER DRAINAGE AND TO MEET ADA REQUIREMENTS. LONGITUDINAL WALKWAY SURFACE GRADES EXCEEDING $\pm 5.0\%$ SHALL BE CONSIDERED RAMP AND BE DESIGNED ACCORDINGLY.

*** THE CITY GATEWAY FEATURE IS AN AESTHETIC ELEMENT OF THE PROJECT AND SHALL NOT BE UTILIZED FOR STRUCTURAL SUPPORT OF THE BRIDGE. ADEQUATE CLEARANCE BETWEEN THE BRIDGE STRUCTURE AND GATEWAY FEATURE SHALL BE PROVIDED TO ACCOMMODATE MAINTENANCE AND INSPECTION ACCESS OF THE BRIDGE.

NOT FOR CONSTRUCTION PRELIMINARY AND SUBJECT TO CHANGE

REVISIONS						LEO SPAANS, PE, SE DN 10-21 PE LICENSE NO. 41781 JANSSEN & SPAANS ENGINEERING, INC 1111 BRICKELL AVE, STE. 2930 MIAMI, FL 33131  JANSSEN & SPAANS ENGINEERING  condotte america  Florida Professional Engineer March 2019	CITY OF DORAL			SHEET TITLE:	REF. DWG. NO.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID	PLAN AND ELEVATION	

kreyes

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