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INDEX OF SHEETS

SHT. No. SHEET DESCRIPTION

STRUCTURE PLANS:

- B-1 COVER SHEET
B-2 GENERAL NOTES
B-3 SUMMARY OF QUANTITIES
B-4 PLAN AND ELEVATION
B-5 ROTATION RESTRAINER BLOCK DETAILS (1 OF 2)
B-6 ROTATION RESTRAINER BLOCK DETAILS (2 OF 2)
BX-1 - BX-7 EXISTING BRIDGE PLANS

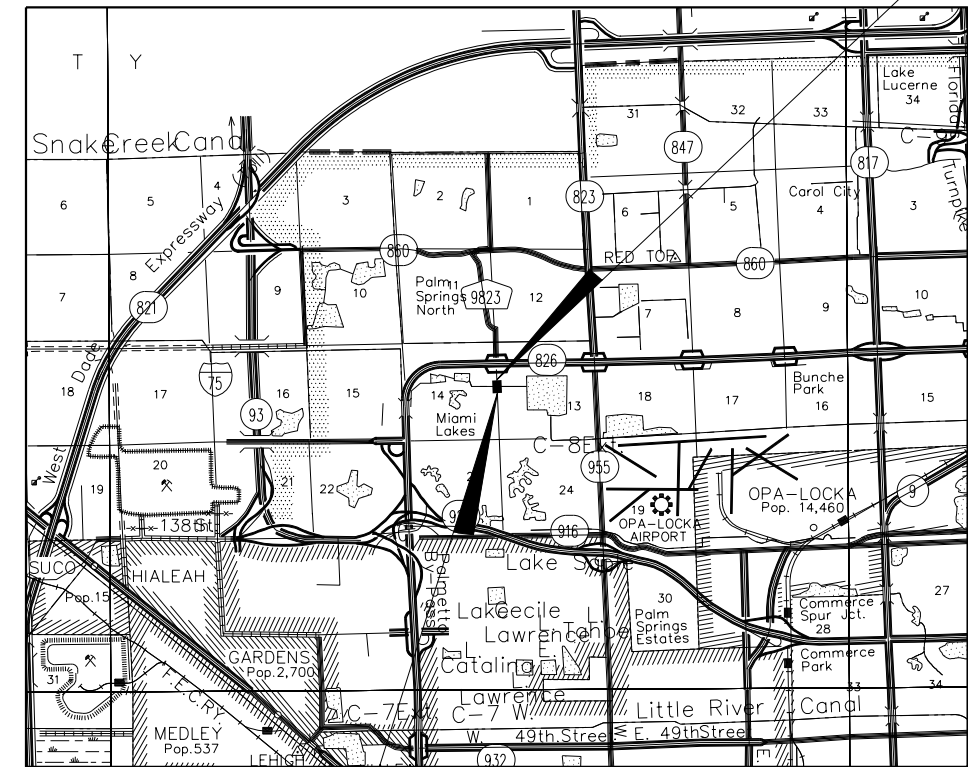
MIAMI-DADE STANDARD INDEX DRAWINGS AND FDOT DESIGN PLANS

- 10-20 GENERAL INFORMATION FOR TRAFFIC CONTROL THROUGH WORK ZONES, FDOT 102-600
22 SIDEWALK CLOSURE, FDOT 102-660
23 BAR BENDING DETAILS (STEEL), FDOT 415-001

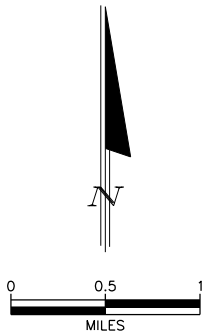
PLANS FOR PROPOSED
IMPROVEMENTS TO
NW 67th AVENUE BRIDGE NO. 874360
OVER BISCAYNE CANAL (C-8)
MIAMI-DADE COUNTY PROJECT NO. 3002701
PUBLIC WORKS PROJECT NO. 2023120
ROAD IMPACT FEES

NOTE:

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.



END CONSTRUCTION



LENGTH OF JOB		
	LIN. FT.	MILES
ROADWAY	90	0.017
BRIDGE	90	0.017
GROSS LENGTH OF JOB	180	0.034
EXCEPTIONS	—	—
NET LENGTH OF JOB	180	0.034

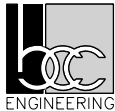
BEGIN CONSTRUCTION



MIAMI-DADE COUNTY
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
HIGHWAY DIVISION

STEPHEN P. CLARK CENTER
111 NW 1 ST
MIAMI, FLORIDA 33128

BY



6401 S.W. 87th Avenue, Suite 200
Miami, Florida 33173

Phone: (305) 670-2350

Fax: (305) 670-2351

Certificate of Authorization No. 7184

FINAL PLANS
SUBMITTAL
JANUARY 24, 2024

THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH AND ARE GOVERNED BY THE MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT STANDARDS AND SPECIFICATIONS PARTS 1, 2 AND 3. THE MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS. THE FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN PLANS, AND THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS 2020, AS AMENDED BY CONTRACT DOCUMENTS.

Always call 811 two full business days before you dig



APPROVED _____ COUNTY ENGINEER
RECOMMENDED _____ ASSISTANT DIRECTOR
SUBMITTED _____ HIGHWAY DIVISION

PROPOSED	BCC	CHECK	BCC
DESIGN	BCC	DRAWN	BCC
DATE		SHEET	B-1 OF 6

H:\Projects\1020238.03 NW 67th Ave. Sonovoid Rotation Blockers\09.00_CAD\B1General\Notes01.dgn

NOTES:

1. DESIGN SPECIFICATIONS:

- AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION WITH 2015-2016 INTERIMS.

- FDOT STRUCTURES MANUAL DATED JANUARY 2023 AND SUBSEQUENT STRUCTURES TEMPORARY DESIGN BULLETINS.

- FDOT DESIGN MANUAL, JANUARY 2023.
2. GOVERNING STANDARDS AND CONSTRUCTION SPECIFICATIONS:

FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2023 EDITION AND SUPPLEMENTS THERETO.
3. VERIFICATION:

BRIDGE PLAN AND ELEVATION SHOWN IN THIS DRAWING ARE SCHEMATICALLY REPRESENTED FOR THE PURPOSE OF INDICATING THE REPAIR WORK TO BE PERFORMED IN THIS BRIDGE. THE DIMENSIONS, ELEVATIONS AND INTERSECTION ANGLES SHOWN IN THESE PLANS ARE BASED ON INFORMATION SHOWN IN THE EXISTING BRIDGE PLANS AND/OR OTHER DOCUMENTS, AND MAY NOT REPRESENT ACTUAL AS-BUILT CONDITIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THIS DATA, PRIOR TO PROCURING SHOP DRAWINGS OR MATERIALS AND BEFORE BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY FIELD CONDITIONS THAT MAY BE DIFFERENT FROM THOSE SHOWN ON THESE PLANS PRIOR TO INITIATE WORK.
4. MATERIALS:

A. CONCRETE:

ALL CONCRETE SHALL BE IN ACCORDANCE WITH SECTION 346 OF THE STANDARD SPECIFICATIONS. CLASS IV, F'C = 5,500 PSI.

PROVIDE 3/4 INCH CHAMFERS ON ALL EXPOSED EDGES AND CORNERS UNLESS OTHERWISE SPECIFIED.

B. REINFORCING STEEL:

ALL REINFORCING STEEL SHALL BE ASTM A615, GRADE 60. ALL DIMENSIONS PERTAINING TO THE LOCATION OF REINFORCING STEEL ARE TO CENTER OF BARS (UNLESS OTHERWISE NOTED). REINFORCING STEEL DETAIL DIMENSIONS ARE OUT TO OUT. ALL REINFORCEMENT TO BE EXPOSED DURING DEMOLITION SHALL BE PRESERVED, PROTECTED AND THOROUGHLY CLEANED PRIOR TO POURING NEW CONCRETE. UNDER NO CIRCUMSTANCE SHALL THE CONTRACTOR CUT THE EXISTING STEEL UNLESS IT IS APPROVED BY ENGINEER.

C. NEOPRENE PAD TO BE PER FOOT SPECIFICATION, SECTION 932. SHEAR MODULUS OF 130 PSI.

D. ADHESIVE BONDING MATERIAL FOR DOWELS TO BE TYPE HV COMPLYING WITH SECTION 937 OF SPECIFICATIONS.

E. ADHESIVE BONDING MATERIAL FOR NEOPRENE PAD ATTACHMENT TO BE TYPE AB COMPLYING WITH SECTION 926 OF SPECIFICATIONS.

5. UTILITIES:

CONTRACTOR IS TO VERIFY LOCATION OF ALL EXISTING UTILITIES AND STRUCTURES PRIOR TO BEGINNING ANY CONSTRUCTION. ALL CONFLICTS SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER.

6. ENVIRONMENTAL CONSIDERATIONS

A).THE CONTRACTOR SHALL COMPLY WITH THE CONDITIONS OF ANY ENVIRONMENTAL PERMITS NEEDED FOR THE PROJECT.

7. MAINTENANCE OF TRAFFIC

1).REGULATORY SPEED WITHIN THE ACTIVE WORK ZONE SHALL MATCH THE EXISTING POSTED SPEED = 40 MPH.

2).CONTRACTOR SHALL WORK ON ONE SIDE OF THE BRIDGE AT A TIME, UTILIZING FDOT STANDARD INDEX 102-660 TO CLOSE THE SIDEWALK ADJACENT TO THE WORK ZONE, DIRECTING PEDESTRIANS TO THE NEAREST CROSS-WALKS ON WINDMILL GATE RD. AND MIAMI LAKEWAY N.

NO LANE CLOSURES ARE REQUIRED TO PERFORM THIS WORK.

3).WHEN WORK EQUIPMENT OR WORK VEHICLES ARE STATIONED IN THE SIDEWALK ADJACENT TO THE WORK ZONE, USE INDEX 102-602 TO PLACE CHANNELIZING DEVICES IN THE CURB OVER THE WORK ZONE LENGTH.

4). THESE TEMPORARY TRAFFIC CONTROL PLANS ARE PRELIMINARY AND TO BE USED AS REFERENCE AND/OR GUIDANCE ONLY. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE THE FINAL TEMPORARY TRAFFIC CONTROL DESING AND OBTAIN APPROVAL BY MIAMI-DADE COUNTY,

BRIDGE NO. 874360

NW 67TH AVENUE BRIDGE OVER BISCAYNE CANAL (C-8)

R E V I S I O N S								 <div>Joan De La Rosa, P.E. P.E. License No. 74705 6401 SW 87th Avenue, Suite 200 Miami, Florida 33173 Phone: (305) 670-2350 Fax: (305) 670-2351 Certificate of Authorization No. 7184</div>	<table><tr><td></td><td>NAME</td><td>DATE</td><td></td><td>NAME</td><td>DATE</td></tr><tr><td>DESIGNED BY</td><td>HA</td><td>12/15/23</td><td>DRAWN BY</td><td>HHS</td><td>12/15/23</td></tr><tr><td>CHECKED BY</td><td>JDLR</td><td>12/15/23</td><td>CHECKED BY</td><td>HA</td><td>12/15/23</td></tr><tr><td colspan="6">SUPERVISED BY: ROBERT FORAND, P.E. NO. 58611</td></tr></table>		NAME	DATE		NAME	DATE	DESIGNED BY	HA	12/15/23	DRAWN BY	HHS	12/15/23	CHECKED BY	JDLR	12/15/23	CHECKED BY	HA	12/15/23	SUPERVISED BY: ROBERT FORAND, P.E. NO. 58611						 <div>DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS HIGHWAY DIVISION STEPHEN P. CLARK CENTER 111 NW 1 ST MIAMI, FLORIDA 33128</div>	GENERAL NOTES
	NAME	DATE		NAME	DATE																														
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1/24/2024

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THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

SUMMARY OF STRUCTURE QUANTITIES - BRIDGE 874360										
SECTION	PAY ITEM NO.	PAY ITEM DESCRIPTION	LOCATION	UNIT	QUANTITY		TOTAL		DESIGN NOTES	CONSTRUCTION REMARKS
					P	F	P	F		
LUMP SUM ITEMS	101 1	MOBILIZATION	BRIDGE	LS	1		1			
	101 3	REMOVAL OF EXISTING STRUCTURE	BENTS	SF	24.6		24.6			
SUBSTRUCTURE	400 4 5	CLASS IV CONCRETE (SUBSTRUCTURE)	BENTS	CY	3.48		3.48			
	415 1 5	REINFORCING STEEL (SUBSTRUCTURE)	BENTS	LBS	584		584			
SUPERSTRUCTURE	400 148	PLAIN NEOPRENE BEARING PADS	BRIDGE	CF	2.52		2.52			

BRIDGE PAY ITEM NOTES:

- A).COST OF ALL WORK, MATERIALS, LABOR AND EQUIPMENT ASSOCIATED TO THE INSTALLATION OF DOWELS SHALL BE INCLUDED IN PAY ITEM 400-4-5
- B).COST OF OF ALL WORK, MATERIALS, LABOR AND EQUIPMENT ASSOCIATED TO INSTALLATION AND ATTACHMENT OF NEOPRENE PADS SHALL BE PAID FOR UNDER PAY ITEM 400-148
- C).COST OF VERIFICATION SHALL BE INCIDENTAL TO COST OF PAY ITEM 400-4-5.
- D).INCIDENTAL ITEMS NOT COVERED BY SPECIFIC PAY ITEMS SHALL BE INCLUDED IN THE PAY ITEM BID UNIT PRICES PROVIDED IN THE CONTRACT.

SUMMARY OF ROADWAY QUANTITIES - BRIDGE 874360					
PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	DURATION	QUANTITY	TOTAL
102-1	MAINTENANCE OF TRAFFIC	L.S.	10	1	1
102-60	WORK ZONE SIGN	E.A./DAY	10	12	120
102-74-6	CHANNELIZING DEVICE- PEDESTRIAN LCD (LONGITUDINAL CHANNELIZING DEVICE)	E.A./DAY	10	4	40

ROADWAY PAY ITEM NOTES:

PAY ITEM NO. 102-1

TO BE ACCOMPLISHED IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION INDEX 600 SERIES, THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION (ANSI D6 1-1978), PUBLIC WORKS MANUAL OF METROPOLITAN DADE COUNTY, AND THE LATEST REVISIONS OF THE AFORE MENTIONED MANUALS. INCLUDES THE COST OF FURNISHING, INSTALLING, MAINTAINING, AND REMOVING ALL ITEMS OF MAINTENANCE OF TRAFFIC NOT PAID FOR UNDER SEPARATE ITEMS INCLUDING BUT NOT LIMITED TO SIGNS, BARRICADES, FLASHING LIGHTS, TEMPORARY PAVEMENT, TEMPORARY PAVEMENT MARKINGS, TRAFFIC SIGNAL MODIFICATION FOR TRAFFIC CONTROL, ETC.

BRIDGE NO. 874360
NW 67TH AVENUE BRIDGE OVER BISCAYNE CANAL (C-8)

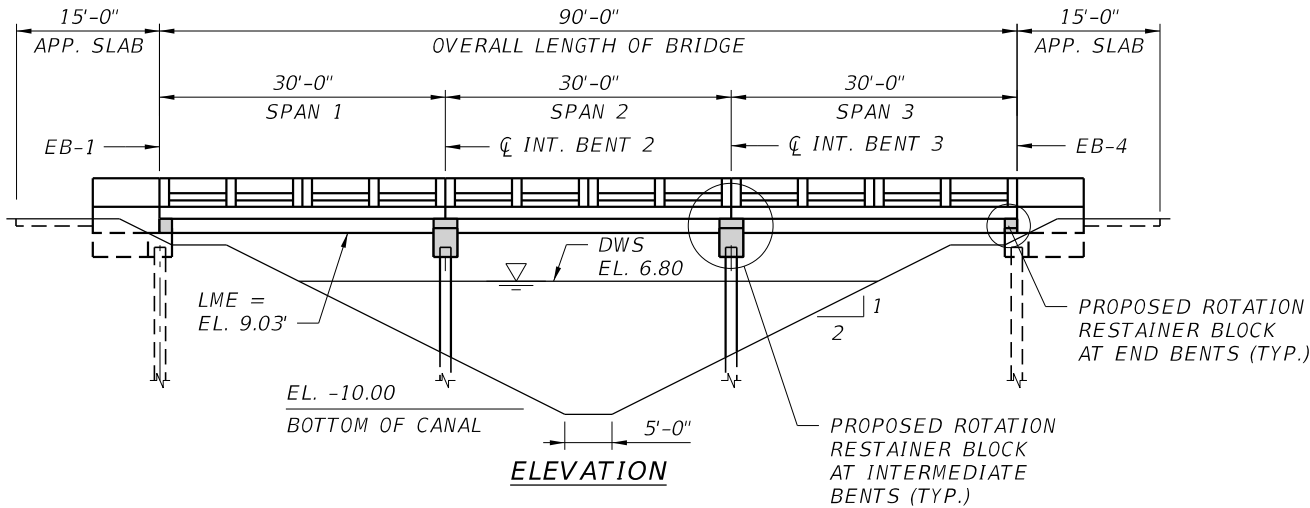
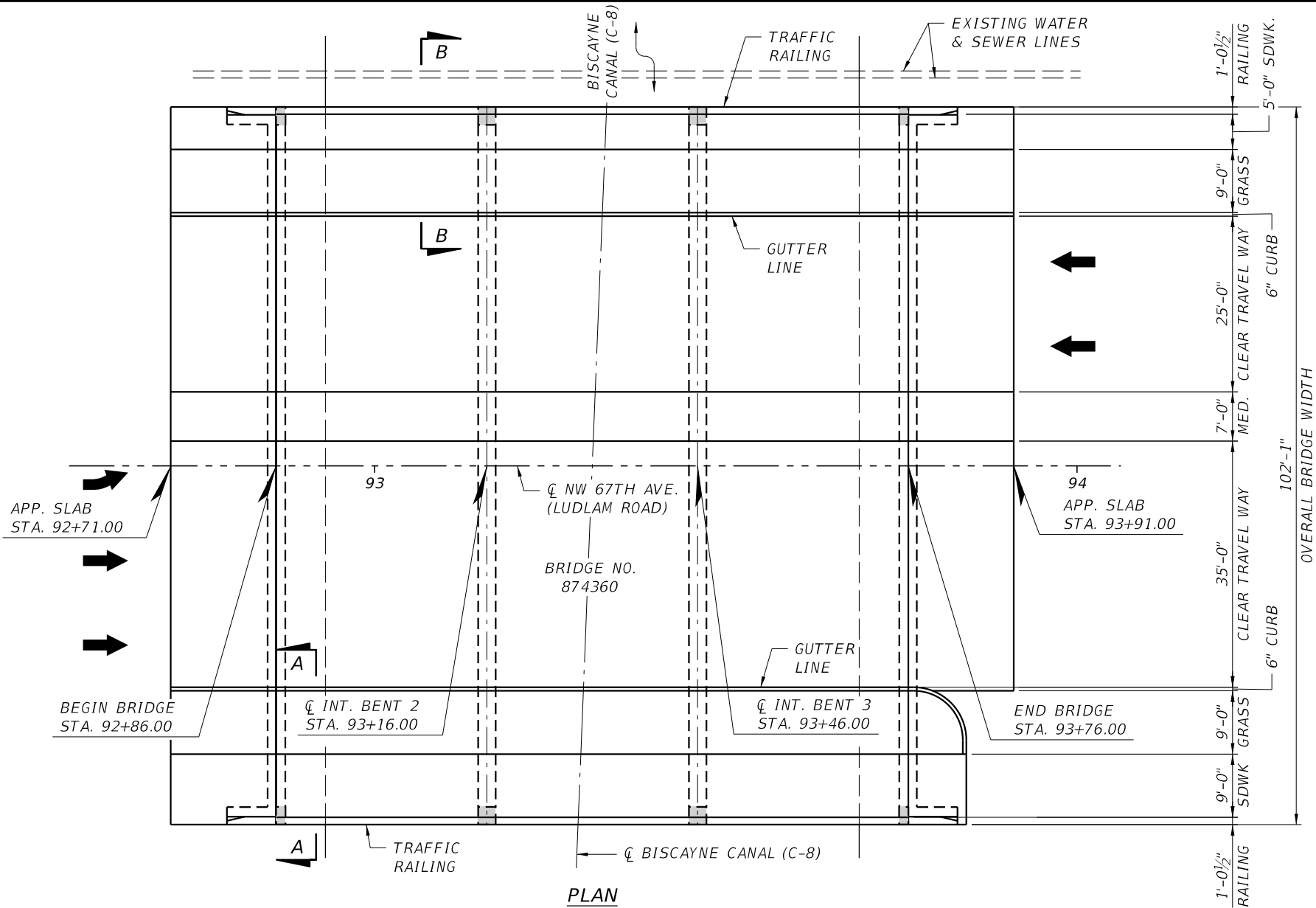
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NOTES:
1. FOR SECTION A-A SEE SHEET B-5.
2. FOR SECTION B-B SEE SHEET B-6.

LEGEND:
[Symbol] PROPOSED ROTATION RESTRAINER BLOCK
LME = LOW MEMBER ELEVATION



BRIDGE NO. 874360
NW 67TH AVENUE BRIDGE OVER BISCAYNE CANAL (C-8)

REVISIONS							
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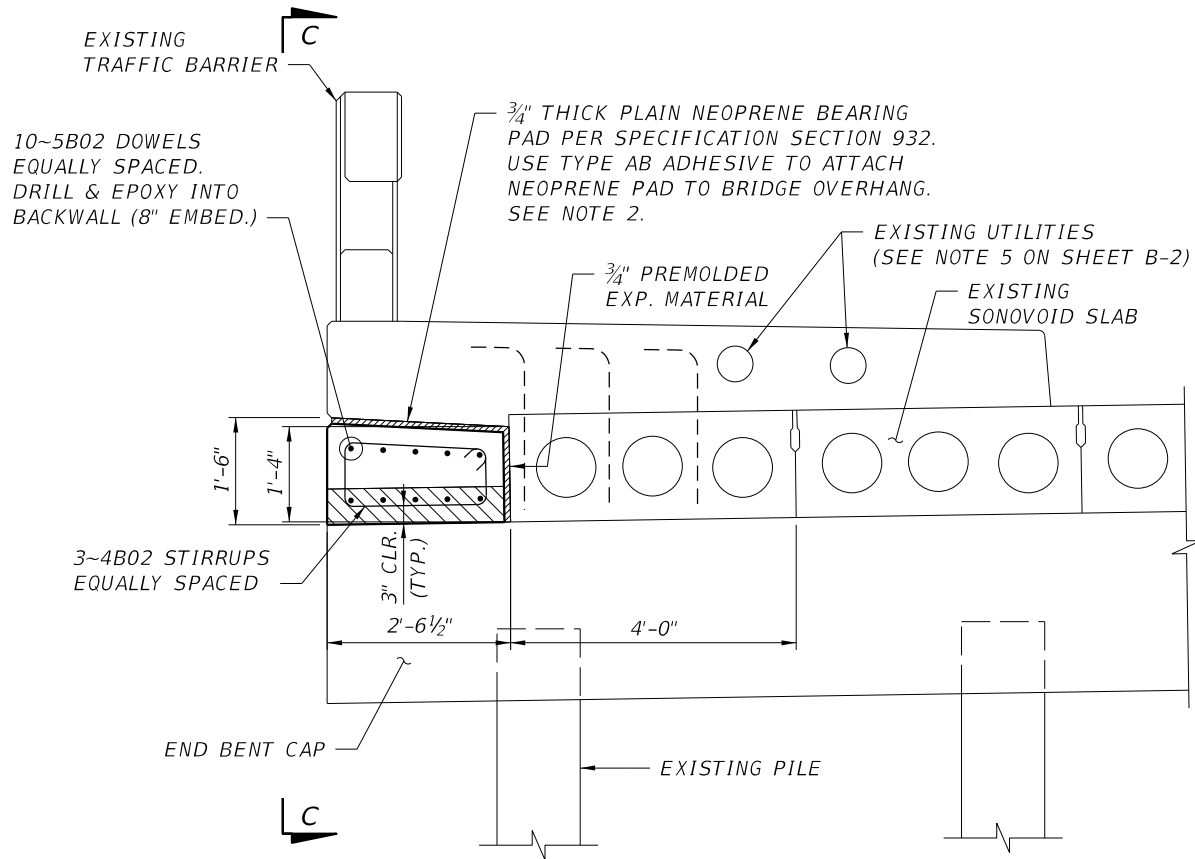


Joan De La Rosa, P.E.
P.E. License No. 74705
6401 SW 87th Avenue, Suite 200
Miami, Florida 33173
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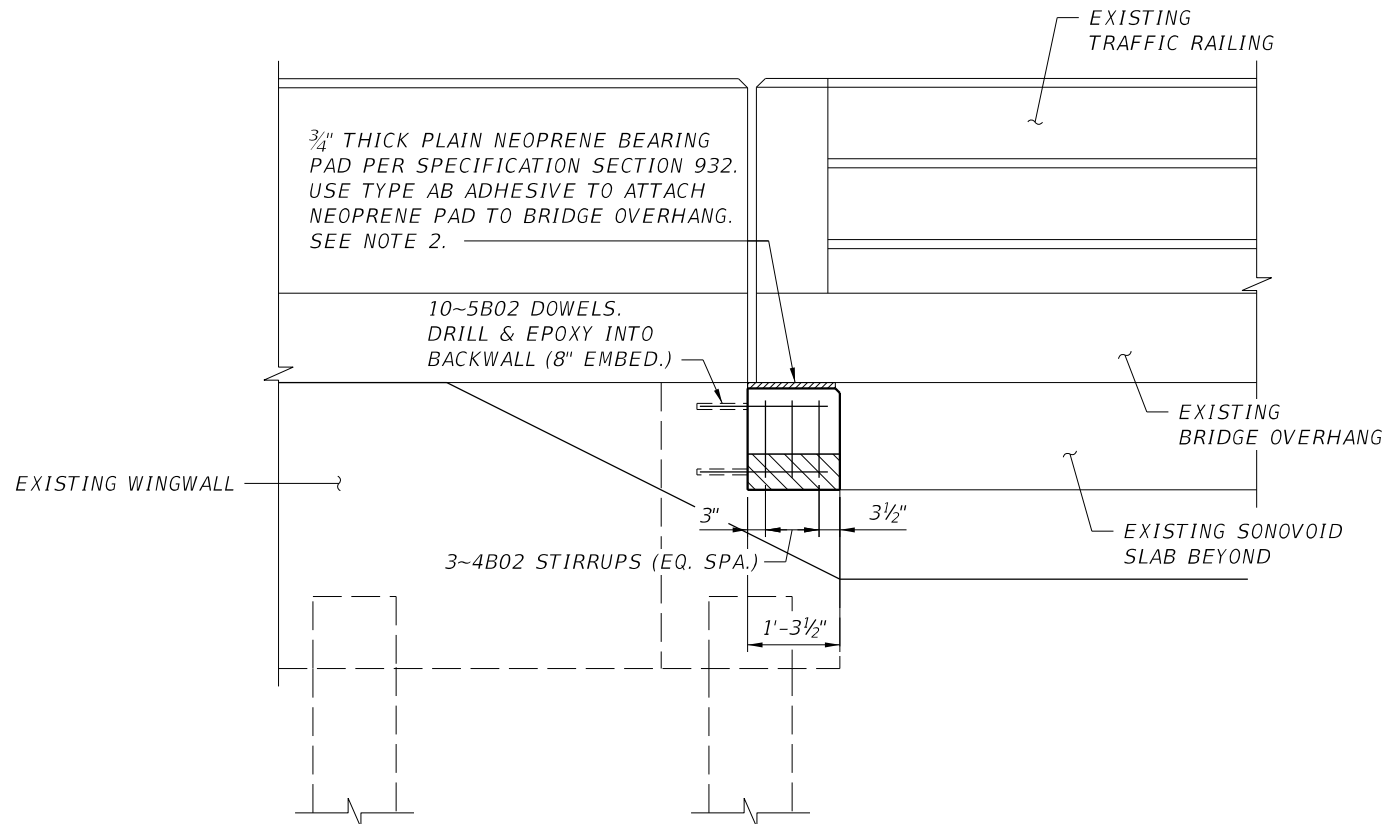
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CHECKED BY: JDLR	12/15/23	CHECKED BY: HA	12/15/23
SUPERVISED BY: ROBERT FORAND, P.E. NO. 58611			



PLAN AND ELEVATION



SECTION A-A
(BLOCK AT EASTSIDE OF BENT 1 SHOWN. OTHER END BENT
BLOCKS ON THE WESTSIDE SIMILAR)
4 REQUIRED




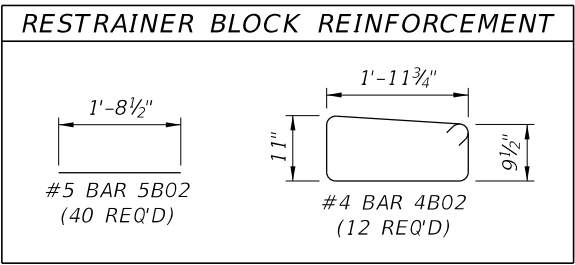
VIEW C-C

LEGEND:

- SEE NOTES ON SHEET B-2 FOR ADDITIONAL INFORMATION.
- SIZE OF NEOPRENE PAD TO MATCH SIZE OF ROTATION RESTRAINER BLOCK. CONTRACTOR TO VERIFY DIMENSIONS PRIOR TO FABRICATION.
- ONLY ROTATION RESTRAINER BLOCK REINFORCEMENT HAS BEEN SHOWN FOR CLARITY. REFER TO EXISTING PLANS FOR OTHER MEMBERS REINFORCEMENT AND DETAILS.
- REINFORCEMENT DIMENSIONS ARE BASED ON THE RESTRAINER BLOCK DIMENSIONS SHOWN IN PLAN. CONTRACTOR MUST VERIFY RESTRAINER BLOCK DIMENSIONS PRIOR TO FABRICATION OF REINFORCEMENT AND ADJUST ALL BARS DIMENSIONS ACCORDINGLY.
- EXISTING REINFORCEMENT TO BE EXPOSED DURING DEMOLITION OF THE EXISTING SHEAR BLOCKS SHALL BE PRESERVED, PROTECTED AND THOROUGHLY CLEANED PRIOR TO POURING NEW CONCRETE. UNDER NO CIRCUMSTANCE SHALL THE CONTRACTOR CUT THE EXISTING STEEL UNLESS IT IS APPROVED BY ENGINEER.

LEGEND:

 EXISTING CONSTRUCTION
TO BE REMOVED



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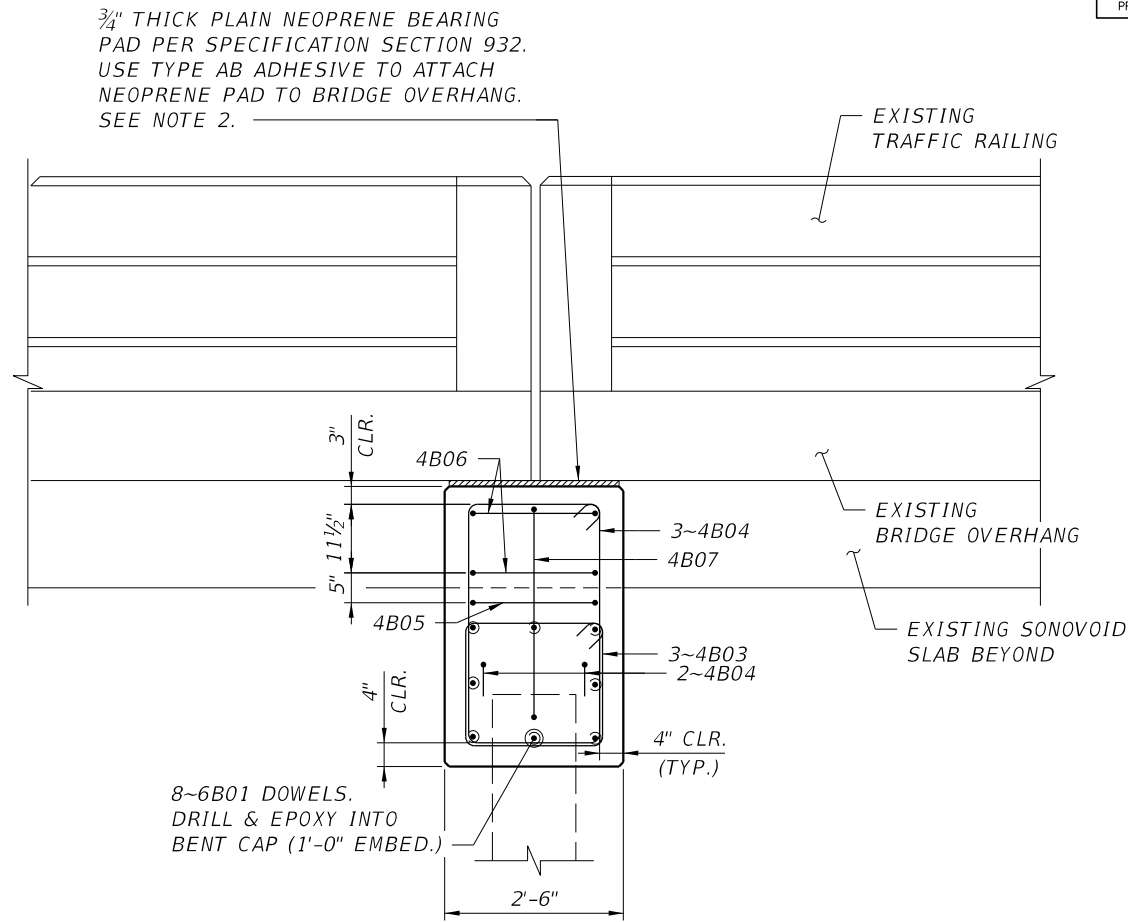
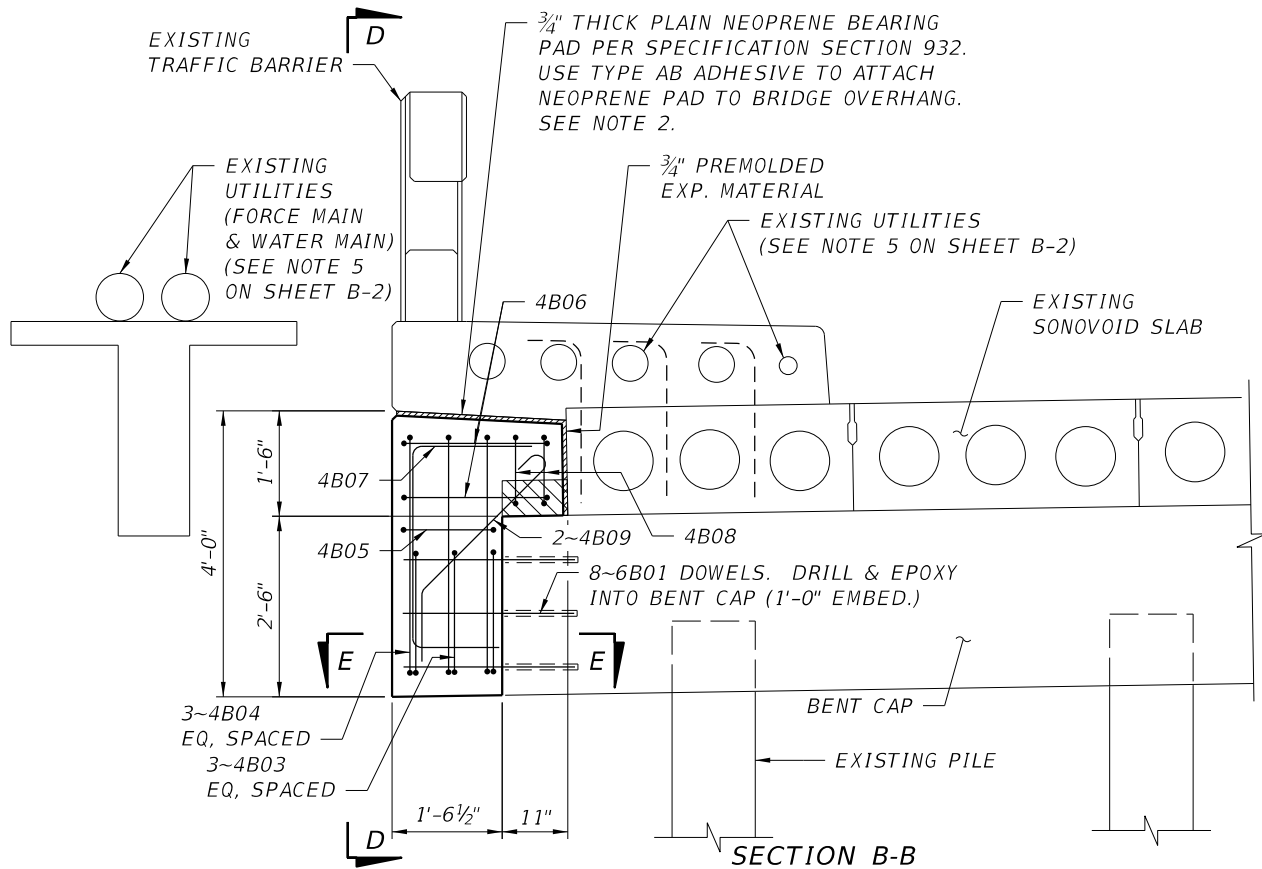


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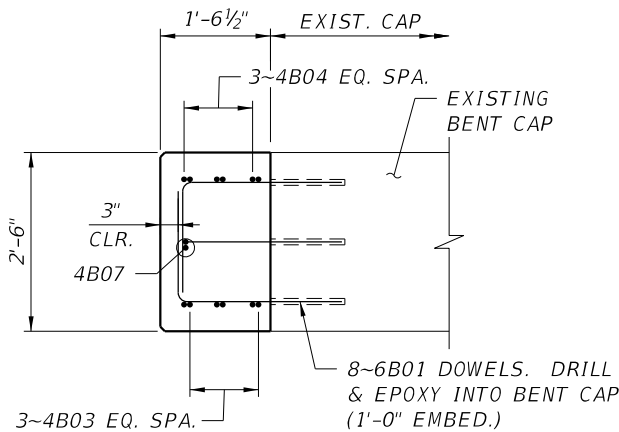
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SUPERVISED BY:	ROBERT FORAND, P.E. NO. 58611				



ROTATION RESTRAINER BLOCK
DETAILS (1 OF 2)



RESTRAINER BLOCK REINFORCEMENT		



- LEGEND:**
- SEE NOTES ON SHEET B-2 FOR ADDITIONAL INFORMATION.
 - SIZE OF NEOPRENE PAD TO MATCH SIZE OF ROTATION RESTRAINER BLOCK. CONTRACTOR TO VERIFY DIMENSIONS PRIOR TO FABRICATION.
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- LEGEND:**
- EXISTING CONSTRUCTION TO BE REMOVED

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CHECKED BY	NAME	DATE	CHECKED BY	NAME	DATE
JDLR	JDLR	12/15/23	HA	HA	12/15/23
SUPERVISED BY: ROBERT FORAND, P.E. NO. 58611					

MIAMI-DADE COUNTY	DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS HIGHWAY DIVISION STEPHEN P. CLARK CENTER 111 NW 1 ST MIAMI, FLORIDA 33128

ROTATION RESTRAINER BLOCK
DETAILS (2 OF 2)