

Work Order Signature Document

NJPA EZIQC Contract No.: FL-SEA-GC01-041019-HBC

☒

New Work Order



Modify an Existing Work Order

Work Order Number.: 077746.00

Work Order Date: 04/03/2020

Work Order Title: Screen Wall at Sunset Harbour Pump Station No. 3

Owner Name: City of Miami Beach

Contractor Name: Harbour Construction, Inc.

Contact: Colette Satchell

Contact: Guy Lesseur

Phone: 305-673-7071 x26401

Phone: 305.603.9944

Work to be Performed

Work to be performed as per the Final Detailed Scope of Work Attached and as per the terms and conditions of NJPA EZIQC Contract No FL-SEA-GC01-041019-HBC.

Brief Work Order Description:

Screen installation at the Pump Station #3 located in Sunset Harbor, removal and replacement of the traffic barrier and mill and resurface asphalt area adjacent to the pump.

Time of Performance

Estimated Start Date:

Estimated Completion Date:

Liquidated Damages

Will apply:



Will not apply:



Work Order Firm Fixed Price: \$749,251.00

Owner Purchase Order Number:

Approvals

Jimmy Morales, City Manager

Date

Contractor

Date

David Martinez, P.E., CIP Director

Date

Detailed Scope of Work

To: Guy Lesseur
Harbour Construction, Inc.
7340 SW 48th Street Suite 102
Miami, FL 33155
305.603.9944

From: Colette Satchell
City of Miami Beach
1700 Convention Center Drive
Miami Beach, FL 33139
305-673-7071 x26401

Date Printed: April 03, 2020

Work Order Number: 077746.00

Work Order Title: Screen Wall at Sunset Harbour Pump Station No. 3

Brief Scope: Screen installation at the Pump Station #3 located in Sunset Harbor, removal and replacement of the traffic barrier and mill and resurface asphalt area adjacent to the pump.

☐

Preliminary

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Revised

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Final

The following items detail the scope of work as discussed at the site. All requirements necessary to accomplish the items set forth below shall be considered part of this scope of work.

Scope of work is specified in the attached 100% drawings prepared by Eric E. Huskey, P.E., of Stanley Consultants, Inc., issued 10/7/2019, Plan Sheets Cover page, A-000 - A-003, S-001 - S-007, and E-001 - E-003.

Subject to the terms and conditions of JOC Contract **FL-SEA-GC01-041019-HBC**.

Contractor

Date

Jimmy Morales, City Manager

Date

David Martinez, P.E., CIP Director

Date

Contractor's Price Proposal - Summary

Date: April 03, 2020

Re: IQC Master Contract #: FL-SEA-GC01-041019-HBC
Work Order #: 077746.00
Owner PO #:
Title: Screen Wall at Sunset Harbour Pump Station No. 3
Contractor: Harbour Construction, Inc.
Proposal Value: \$749,251.00

Asphalt	\$46,986.95
Bomar Industries	\$398,465.50
Concrete	\$53,085.24
Concrete Demo	\$7,374.23
Electrical	\$15,376.17
General Conditions	\$225,784.46
Planter	\$2,178.44
Proposal Total	\$749,251.00

This total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding.

The Percentage of NPP on this Proposal: **53.18%**

Contractor's Price Proposal - Detail

Date: April 03, 2020

Re: IQC Master Contract #: FL-SEA-GC01-041019-HBC
 Work Order #: 077746.00
 Owner PO #:
 Title: Screen Wall at Sunset Harbour Pump Station No. 3
 Contractor: Harbour Construction, Inc.
 Proposal Value: \$749,251.00

Sect.	Item	Mod.	UOM	Description	Line Total
Labor	Equip.	Material	(Excludes)		
Asphalt					
1	01 22 20 00 0065		HR	Flagperson For Traffic Control	\$10,043.42
			Installation	<div>Quantity 250.00 x Unit Price 37.16 x Factor 1.0811 = Total 10,043.42</div>	
2	01 71 13 00 0003		EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' BedIncludes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom manlifts with >40' boom lengths, etc.	\$12,439.29
			Installation	<div>Quantity 18.00 x Unit Price 639.23 x Factor 1.0811 = Total 12,439.29</div>	
				(3 times)milling machine, asphalt placement machine, bobcat, sweeper, roller	
3	01 71 13 00 0003		EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' BedIncludes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom manlifts with >40' boom lengths, etc.	\$1,382.14
			Installation	<div>Quantity 2.00 x Unit Price 639.23 x Factor 1.0811 = Total 1,382.14</div>	
				Striping Mobilization	
4	02 41 13 13 0020		SY	>3" To 6" By Machine, Break-up And Remove Bituminous Paving	\$1,341.92
			Installation	<div>Quantity 125.00 x Unit Price 9.93 x Factor 1.0811 = Total 1,341.92</div>	
5	02 41 19 13 0070		EA	Saw Cut Minimum ChargeFor projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	\$1,756.38
			Installation	<div>Quantity 3.00 x Unit Price 541.54 x Factor 1.0811 = Total 1,756.38</div>	
				3 times	
6	32 01 16 71 0008		SY	Up To 3" Depth, Limited Cold Milling Of Asphalt	\$21,000.37
			Installation	<div>Quantity 1,250.00 x Unit Price 15.54 x Factor 1.0811 = Total 21,000.37</div>	
7	32 01 16 71 0008 0021		MOD	For >1,000, Deduct	-\$15,757.03
			Installation	<div>Quantity 1,250.00 x Unit Price -11.66 x Factor 1.0811 = Total -15,757.03</div>	
8	32 11 29 13 0002		SY	6" Thick FDOT Limerock	\$5,388.74
			Installation	<div>Quantity 150.00 x Unit Price 33.23 x Factor 1.0811 = Total 5,388.74</div>	

Work Order Number: 077746.00
Work Order Title: Screen Wall at Sunset Harbour Pump Station No. 3

Subtotal for Asphalt	\$46,986.95
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20	10	00	00	000001	Screen Panel(s) Bo-Mar Industries- Grecian Pattern				\$398,465.50		
				NPP	Installation	Quantity 1.00	x	Unit Price 351,040.00	x	Factor 1.1351 =	Total 398,465.50

Concrete

Contractor's Price Proposal - Detail Page 2 of 7
4/3/2020

Contractor's Price Proposal - Detail Continues..

Work Order Number: 077746.00

Work Order Title: Screen Wall at Sunset Harbour Pump Station No. 3

Concrete

22	03 21 11 00 0089	LF	#4, Grade 60, Footings, Steel Reinforcement Bar							\$1,427.05
		Installation	Quantity	Unit Price	Factor	=	Total			
			2,000.00	0.66	x		1,427.05			
23	03 21 11 00 0090	LF	#5, Grade 60, Footings, Steel Reinforcement Bar							\$4,864.95
		Installation	Quantity	Unit Price	Factor	=	Total			
			4,500.00	1.00	x		4,864.95			
24	03 31 13 00 0018	CY	Direct Chute, Place 3,000 PSI Concrete Continuous Footings							\$8,605.12
		Installation	Quantity	Unit Price	Factor	=	Total			
			55.00	144.72	x		8,605.12			
25	03 31 13 00 0018 0033	MOD	For 6,000 PSI Concrete, Add							\$1,975.28
		Installation	Quantity	Unit Price	Factor	=	Total			
			55.00	33.22	x		1,975.28			
26	03 31 13 00 0067	CY	8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls							\$5,414.04
		Installation	Quantity	Unit Price	Factor	=	Total			
			30.00	166.93	x		5,414.04			
27	03 31 13 00 0067 0033	MOD	For 6,000 PSI Concrete, Add							\$1,077.42
		Installation	Quantity	Unit Price	Factor	=	Total			
			30.00	33.22	x		1,077.42			
28	03 37 16 00 0010	HR	35 CY/HR, 66 HP Trailer Mounted Concrete PumpIncludes hoses							\$7,693.97
		Installation	Quantity	Unit Price	Factor	=	Total			
			80.00	88.96	x		7,693.97			
		Separate Pours								

Subtotal for Concrete

\$53,085.24

Concrete Demo

29	01 74 19 00 0026	CY	Drop-Off Reinforced Concrete At Recycling Center							\$2,197.23
		Installation	Quantity	Unit Price	Factor	=	Total			
			40.00	50.81	x		2,197.23			
30	02 41 16 13 0030	CF	Reinforced Concrete Foundation Demolition							\$2,656.26
		Installation	Quantity	Unit Price	Factor	=	Total			
			300.00	8.19	x		2,656.26			
31	02 41 16 13 0033	SF	8" Thick Reinforced Concrete Foundation Wall Demolition							\$1,935.28
		Installation	Quantity	Unit Price	Factor	=	Total			
			306.00	5.85	x		1,935.28			
32	02 41 19 13 0070	EA	Saw Cut Minimum ChargeFor projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.							\$585.46
		Installation	Quantity	Unit Price	Factor	=	Total			
			1.00	541.54	x		585.46			

Subtotal for Concrete Demo

\$7,374.23

Electrical

33	02 41 19 13 0123	EA	Drill 6" Diameter Core In >8" To 10" Concrete							\$586.71
		Installation	Quantity	Unit Price	Factor	=	Total			
			6.00	90.45	x		586.71			

Contractor's Price Proposal - Detail Continues..

Work Order Number: 077746.00

Work Order Title: Screen Wall at Sunset Harbour Pump Station No. 3

Electrical

34	05 05 19 00 0070	EA	1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt						\$402.82
		Installation	Quantity	Unit Price	Factor	=	Total		
			60.00 x	6.21 x	1.0811	=	402.82		
35	05 05 23 00 0818	EA	1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt						\$249.09
		Installation	Quantity	Unit Price	Factor	=	Total		
			80.00 x	2.88 x	1.0811	=	249.09		
36	05 05 23 00 1452	EA	1/4" Inside Diameter, 316 Stainless Steel Flat Washer						\$17.30
		Installation	Quantity	Unit Price	Factor	=	Total		
			80.00 x	0.20 x	1.0811	=	17.30		
37	26 05 19 16 0124	MLF	#12 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit						\$91.33
		Installation	Quantity	Unit Price	Factor	=	Total		
			0.20 x	422.38 x	1.0811	=	91.33		
38	26 05 29 00 0010	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel						\$567.36
		Installation	Quantity	Unit Price	Factor	=	Total		
			20.00 x	26.24 x	1.0811	=	567.36		
39	26 05 29 00 0097	EA	1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel						\$150.49
		Installation	Quantity	Unit Price	Factor	=	Total		
			20.00 x	6.96 x	1.0811	=	150.49		
40	26 05 29 00 0151	EA	1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel						\$278.06
		Installation	Quantity	Unit Price	Factor	=	Total		
			40.00 x	6.43 x	1.0811	=	278.06		
41	26 05 33 13 0175	EA	1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing						\$91.03
		Installation	Quantity	Unit Price	Factor	=	Total		
			10.00 x	8.42 x	1.0811	=	91.03		
42	26 24 16 00 0444	EA	1 Pole GFI, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity						\$161.34
		Installation	Quantity	Unit Price	Factor	=	Total		
			1.00 x	149.24 x	1.0811	=	161.34		
43	26 27 16 00 0310	EA	4" x 4" x 3" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure						\$683.34
		Installation	Quantity	Unit Price	Factor	=	Total		
			4.00 x	158.02 x	1.0811	=	683.34		
44	26 56 23 00 0112	EA	120 LEDs, 132 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)						\$4,131.70
		Installation	Quantity	Unit Price	Factor	=	Total		
			2.00 x	1,910.88 x	1.0811	=	4,131.70		
		Fixture as per plans							
45	40 05 23 43 0111	LF	1" Stainless Steel Tubing, Type 316, 0.049" Wall						\$1,588.57
		Installation	Quantity	Unit Price	Factor	=	Total		
			60.00 x	24.49 x	1.0811	=	1,588.57		
46	40 05 23 43 0128	EA	1" 90 Degree Elbow, Stainless Steel Type 316						\$2,219.93
		Installation	Quantity	Unit Price	Factor	=	Total		
			10.00 x	205.34 x	1.0811	=	2,219.93		
47	40 05 23 43 0152	EA	1" x 1" Male Connector, Stainless Steel Type 316						\$2,164.42
		Installation	Quantity	Unit Price	Factor	=	Total		
			15.00 x	133.47 x	1.0811	=	2,164.42		

Contractor's Price Proposal - Detail Continues..

Work Order Number: 077746.00

Work Order Title: Screen Wall at Sunset Harbour Pump Station No. 3

Electrical

48	40 05 23 43 0215	EA	Cut And Prepare 1" Stainless Steel Pipe						\$249.73
		Installation	Quantity	Unit Price	Factor	=	Total		
			20.00 x	11.55 x	1.0811	=	249.73		
49	40 05 23 43 0385	EA	1", 150#, Type 316 Stainless Steel Threaded Coupling						\$405.20
		Installation	Quantity	Unit Price	Factor	=	Total		
			10.00 x	37.48 x	1.0811	=	405.20		
50	40 05 23 43 0727	EA	1", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow						\$526.84
		Installation	Quantity	Unit Price	Factor	=	Total		
			6.00 x	81.22 x	1.0811	=	526.84		
51	46 82 83 00 2342	EA	Remote NEMA 4X (IP65) Electronics Enclosure With Junction Box (Sierra 760S EN4 ())Mounted up to 200' away from the probe with junction box mounted on probe. Includes remote electronics enclosure mounting bracket and 1/2" female NPT connection.						\$810.90
		Installation	Quantity	Unit Price	Factor	=	Total		
			1.00 x	750.07 x	1.0811	=	810.90		

Subtotal for Electrical

\$15,376.17

General Conditions

52	01 22 16 00 0002	EA	Reimbursable FeesReimbursable Fees will be paid to the contractor for eligible costs. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt shall be submitted with the Price Proposal.						\$15,757.77
		Installation	Quantity	Unit Price	Factor	=	Total		
			15,757.77 x	1.00 x	1.0000	=	15,757.77		
		Bond Fee							
53	01 22 20 00 0047	HR	Senior Surveyor (Party Chief)						\$2,811.29
		Installation	Quantity	Unit Price	Factor	=	Total		
			60.00 x	43.34 x	1.0811	=	2,811.29		
54	01 22 20 00 0048	HR	Surveyor (Instrument person)						\$2,714.64
		Installation	Quantity	Unit Price	Factor	=	Total		
			60.00 x	41.85 x	1.0811	=	2,714.64		
55	01 22 20 00 0049	HR	Surveyor (Rod person)						\$2,617.99
		Installation	Quantity	Unit Price	Factor	=	Total		
			60.00 x	40.36 x	1.0811	=	2,617.99		
56	01 22 20 00 0062	HR	Project Manager						\$44,615.65
		Installation	Quantity	Unit Price	Factor	=	Total		
			355.00 x	116.25 x	1.0811	=	44,615.65		
		Owner's request - PM & Super Blended Rate							
57	01 22 23 00 0274	MO	1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator						\$32,853.10
		Installation	Quantity	Unit Price	Factor	=	Total		
			3.00 x	10,129.53 x	1.0811	=	32,853.10		
58	01 22 23 00 0428	MO	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator						\$15,818.21
		Installation	Quantity	Unit Price	Factor	=	Total		
			1.00 x	14,631.59 x	1.0811	=	15,818.21		

Contractor's Price Proposal - Detail Continues..

Work Order Number: 077746.00

Work Order Title: Screen Wall at Sunset Harbour Pump Station No. 3

General Conditions

59	01 22 23 00 1343	MO	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver						\$19,416.11
		Installation	Quantity	Unit Price	Factor	=	Total		
			1.50 x	11,973.06 x	1.0811	=	19,416.11		
60	01 22 23 00 1376	MO	18 CY Rear Dump Truck With Full-Time Truck Driver						\$49,536.09
		Installation	Quantity	Unit Price	Factor	=	Total		
			3.00 x	15,273.36 x	1.0811	=	49,536.09		
61	01 55 26 00 0030	MO	28" Cone With Reflective Collar						\$4,446.56
		Installation	Quantity	Unit Price	Factor	=	Total		
			900.00 x	4.57 x	1.0811	=	4,446.56		
			300 for 3 mos						
62	01 55 26 00 0036	MO	Channelizer Drum						\$1,945.98
		Installation	Quantity	Unit Price	Factor	=	Total		
			120.00 x	15.00 x	1.0811	=	1,945.98		
63	01 55 26 00 0048	MO	Type III Barricade, Up To 5' Wide With Three Reflective Rails						\$3,218.65
		Installation	Quantity	Unit Price	Factor	=	Total		
			120.00 x	24.81 x	1.0811	=	3,218.65		
			40 for 3 mos						
64	01 55 26 00 0057	MO	Type A Or C Flasher						\$1,644.35
		Installation	Quantity	Unit Price	Factor	=	Total		
			300.00 x	5.07 x	1.0811	=	1,644.35		
			100 for 3 mos						
65	01 55 26 00 0076	MO	6' x 32" Tall Plastic Water Barrier						\$8,811.20
		Installation	Quantity	Unit Price	Factor	=	Total		
			81.00 x	100.62 x	1.0811	=	8,811.20		
			27 for 3 mos						
66	01 55 26 00 0096	MO	Trailer Mounted Flashing Arrow Board						\$6,996.19
		Installation	Quantity	Unit Price	Factor	=	Total		
			12.00 x	539.28 x	1.0811	=	6,996.19		
			4 for 3 mos						
67	01 55 26 00 0105	EA	Place And Remove >250 Cones Using Truck						\$1,770.84
		Installation	Quantity	Unit Price	Factor	=	Total		
			900.00 x	1.82 x	1.0811	=	1,770.84		
			set 300 3 individual times.						
68	01 55 26 00 0116	EA	Place And Remove Plastic Water BarrierIncludes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for Equipment Usage, 01 71 13 00-0000 for mobilization tasks.						\$7,287.50
		Installation	Quantity	Unit Price	Factor	=	Total		
			243.00 x	27.74 x	1.0811	=	7,287.50		
			81 set 3 individual times						
69	01 74 19 00 0014	EA	20 CY Dumpster (4 Ton) "Construction Debris"Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.						\$3,522.33
		Installation	Quantity	Unit Price	Factor	=	Total		
			5.00 x	651.62 x	1.0811	=	3,522.33		

Subtotal for General Conditions

\$225,784.46

Planter

Contractor's Price Proposal - Detail Continues..

Work Order Number: 077746.00

Work Order Title: Screen Wall at Sunset Harbour Pump Station No. 3

Planter

70	31	05	16	00	0008		CY	#57 Stone Aggregate Fill (#4 To 1")											\$542.44	
							Installation	Quantity	9.00	x		Unit Price	55.75	x		Factor	1.0811	=	Total	542.44
71	31	05	16	00	0008	0053	MOD	For Up To 10, Add											\$157.82	
							Installation	Quantity	9.00	x		Unit Price	16.22	x		Factor	1.0811	=	Total	157.82
72	31	32	19	16	0013		SY	4 To 6% Open Area, 370 x 250 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%)											\$65.41	
							Installation	Quantity	22.00	x		Unit Price	2.75	x		Factor	1.0811	=	Total	65.41
73	31	32	19	16	0013	0084	MOD	For Up To 50, Add											\$13.56	
							Installation	Quantity	22.00	x		Unit Price	0.57	x		Factor	1.0811	=	Total	13.56
74	32	91	13	26	0015		CY	Backfill Planting Pit By Machine, With Topsoil From Stockpile											\$93.52	
							Installation	Quantity	25.00	x		Unit Price	3.46	x		Factor	1.0811	=	Total	93.52
75	32	91	19	13	0016		CY	Furnish And Place Imported Screened Topsoil, Over 12" Deep											\$1,025.96	
							Installation	Quantity	25.00	x		Unit Price	37.96	x		Factor	1.0811	=	Total	1,025.96
76	32	93	33	00	0104		EA	3 Gallon Ficus benjamina - Weeping Fig											\$279.73	
							Installation	Quantity	25.00	x		Unit Price	10.35	x		Factor	1.0811	=	Total	279.73
Subtotal for Planter																			\$2,178.44	

Proposal Total

\$749,251.00

This total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding.

The Percentage of NPP on this Proposal: 53.18%

Subcontractor Listing

Date: April 03, 2020

Re: IQC Master Contract #: FL-SEA-GC01-041019-HBC
Work Order #: 077746.00
Owner PO #:
Title: Screen Wall at Sunset Harbour Pump Station No. 3
Contractor: Harbour Construction, Inc.
Proposal Value: \$749,251.00

Name of Contractor	Duties	Amount	%
No Subcontractors have been selected for this Work Order		\$0.00	0.00

MIAMI BEACH

CITY OF MIAMI BEACH

SCREEN WALL AT SUNSET HARBOUR PUMP STATION (PS NO 3)

WEST AVENUE AND 20TH STREET

OCTOBER 7, 2019

100% DESIGN SUBMITTAL (FINAL SUBMITTAL)



CITY OF MIAMI BEACH

MAYOR: DAN GELBER

COMMISSIONERS: JOHN ELIZABETH ALEMÁN
RICKY ARRIOLA
MICHAEL GONGORA
JOY MALAKOFF
MARK SAMUELIAN
MICKY STEINBERG

CITY MANAGER: JIMMY L. MORALES
CITY ATTORNEY: RAUL J. AGUILA
CITY CLERK: RAFAEL E. GRANADO
ASSISTANT CITY MANAGER: ERIC T. CARPENTER, P.E.
CIP DIRECTOR: DAVID MARTINEZ P.E.
PW DIRECTOR: ROY COLEY

PROJECT LOCATION



INDEX OF DRAWINGS

G-001	COVER SHEET & INDEX OF DRAWINGS
A-000	SITE PLAN AND PUMP STATION PERIMETER PLAN
A-001	SOW, SCREEN PANEL INSTALLATION & REMOVAL AND PLANTER DETAIL
A-002	ARCHITECTURAL ELEVATIONS
A-003	ARCHITECTURAL DETAILS
S-001	SCREEN WALL PLAN AND ELEVATIONS
S-002	SCREEN WALL DETAILS
S-003	CONSTRUCTION SEQUENCE (1 OF 2)
S-004	CONSTRUCTION SEQUENCE (2 OF 2)
S-005	REPLACEMENT TRAFFIC RAILING AND JUNCTION SLAB DETAILS (1 OF 2)
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S-007	PROJECT PHOTOS
E-001	ELECTRICAL PLAN
E-002	ELECTRICAL DETAILS
E-003	SIGN LIGHTING CUT SHEET
X-001	TRAFFIC RAILING AS-BUILT DRAWING (NOT INCLUDED IN PERMIT PLANS)



LOCATION MAP

THIS SEAL APPLIES TO THE FOLLOWING DRAWINGS ONLY:
G-001
A Series Drawings
S Series Drawings



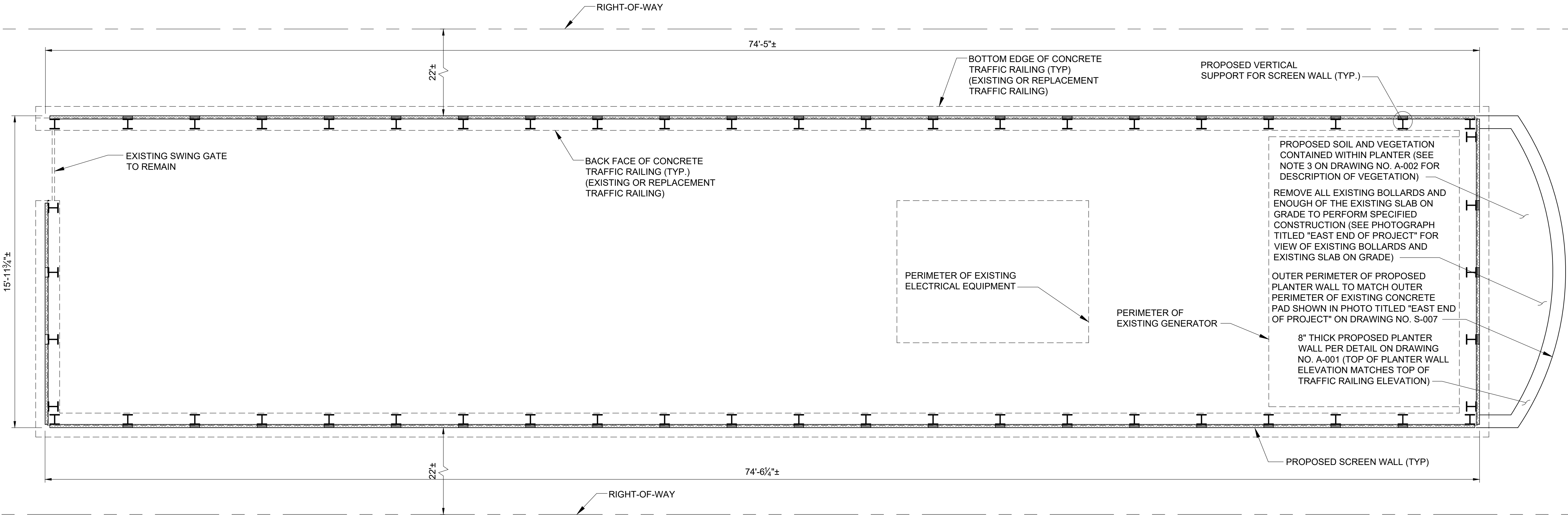


PS NO. 3
(SUNSET HARBOUR PUMP STATION)

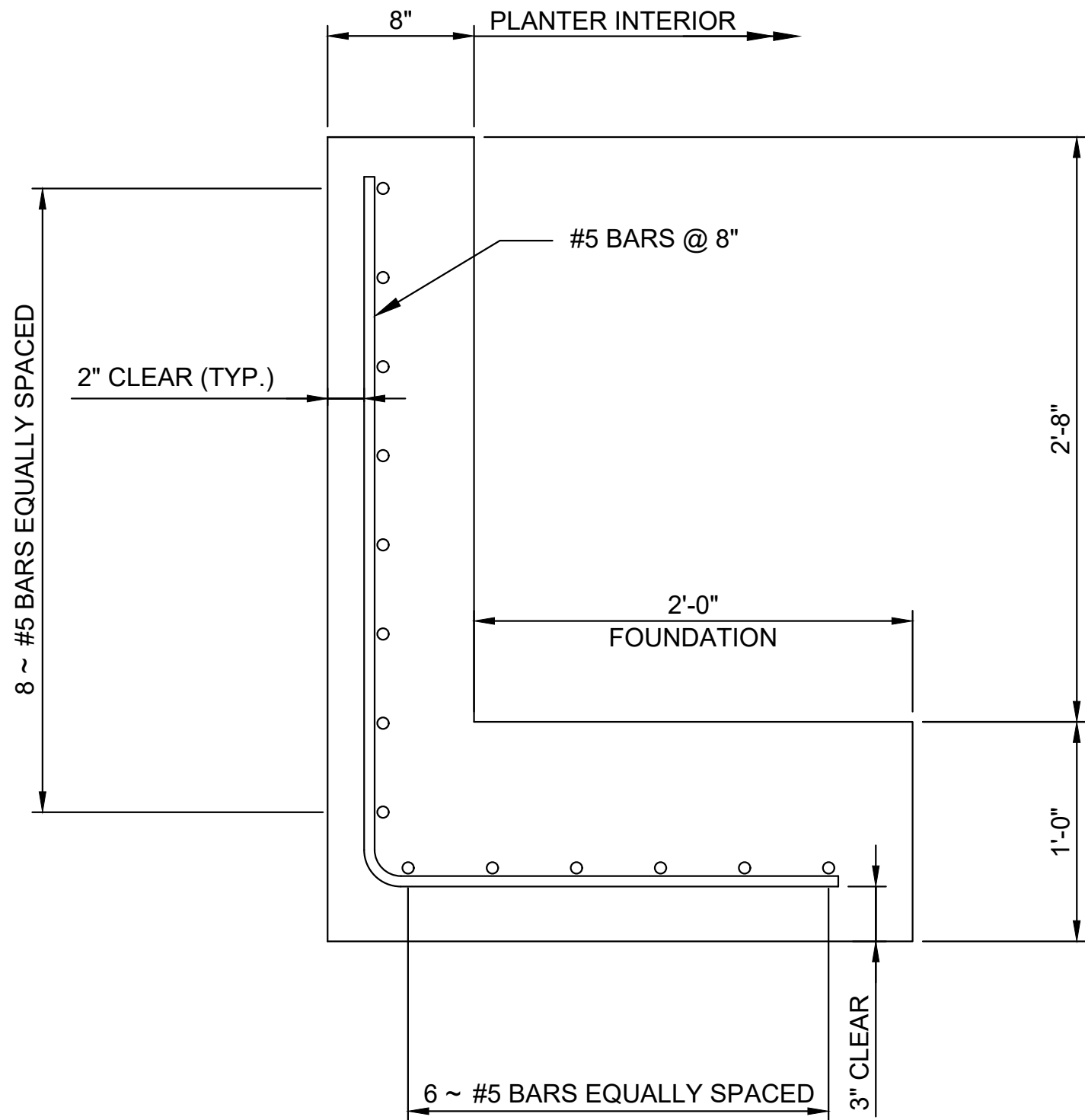
NOTES:

- 1. SEE DRAWING NO. S-007 FOR PHOTOGRAPHS OF EXISTING PUMP STATION.
- 2. SEE DRAWING NO. A-001 FOR PROJECT SCOPE OF WORK.
- 3. CONTRACTOR SHALL PROVIDE PROJECT MOT PLANS.

SITE PLAN
SCALE: 1/64" = 1'-0"



PUMP STATION PERIMETER PLAN
NOT TO SCALE



NOTE:

1. IN THOSE LOCATIONS WHERE THE PLANTER IS DIRECTLY OVER THE PROPOSED TRAFFIC RAILING JUNCTION SLAB (TRAFFIC RAILING FOOTING) THERE WILL BE NO PLANTER WALL FOUNDATION. INSTEAD THE VERTICAL #5 BARS (HOOKED AT ENDS AS SHOWN) WILL BE EMBEDDED IN THE TRAFFIC RAILING JUNCTION SLAB.

PLANTER WALL AND FOUNDATION SECTION

NOT TO SCALE

PROJECT SCOPE OF WORK (SOW)

1. CONTRACTOR SHALL VERIFY PROJECT DIMENSIONS AS STATED IN NOTE C ON DRAWING NUMBER S-001.
2. WHILE MAINTAINING TRAFFIC ON ONE SIDE OF THE PUMP STATION (NORTH SIDE OR SOUTH SIDE), THE CONTRACTOR SHALL REMOVE THE PORTION OF THE EXISTING TRAFFIC RAILING AND JUNCTION SLAB ON THE OTHER SIDE OF THE PUMP STATION (SOUTH SIDE OR NORTH SIDE) AS SHOWN ON DRAWING NO'S S-003 AND S-004.
3. THE CONTRACTOR SHALL DETERMINE IF THE REMAINING EXISTING SUB-GRADE IS SUFFICIENT TO PLACE NEW CONSTRUCTION UPON. IF IMPROVEMENTS NEED TO BE MADE TO EXISTING SUB-GRADE, THE CONTRACTOR SHALL REFER TO SUB-GRADE CALLOUT IN SECTION D ON DRAWING NUMBER S-004.
4. THE CONTRACTOR SHALL CONSTRUCT THE REPLACEMENT JUNCTION SLAB PER DRAWING NO'S S-003 THROUGH S-006.
5. THE CONTRACTOR SHALL CONSTRUCT THE REPLACEMENT TRAFFIC RAILING PER DRAWING NO'S S-003 THROUGH S-006.
6. THE CONTRACTOR SHALL PLACE ASPHALT ON TOP OF THE REPLACEMENT JUNCTION SLAB TO MATCH ROADWAY SLOPE OF REMAINING ROADWAY AREAS ADJACENT TO CONSTRUCTION PER DRAWING NO'S S-003 THROUGH S-006.
7. THE CONTRACTOR SHALL INSTALL ANCHOR RODS IN THE PORTION OF THE EXISTING TRAFFIC RAILING THAT IS TO REMAIN PER SECTION C ON DRAWING NO S-004.
8. THE CONTRACTOR SHALL INSTALL THE VERTICAL SUPPORTS ON TOP OF THE TRAFFIC RAILING AS PER DRAWING NO'S S-001 AND S-002.
9. THE CONTRACTOR SHALL INSTALL THE SCREEN PANELS AS PER DRAWING NO'S S-001, S-002 AND THE A SERIES DRAWINGS.
10. THE CONTRACTOR SHALL SHIFT TRAFFIC TO THE OTHER SIDE OF THE PUMP STATION.
11. THE CONTRACTOR SHALL PERFORM SOW STEPS 2 THROUGH 9 FOR THE ALTERNATE SIDE OF THE PUMP STATION.
12. THE CONTRACTOR SHALL PERFORM WORK ON THE EAST AND WEST SIDES OF THE PUMP STATION AS SPECIFIED IN THE MOT PLAN DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL PERFORM SOW STEPS 2 THROUGH 9 FOR THE WORK ON THE WEST SIDE OF THE PUMP STATION. THE CONTRACTOR SHALL PERFORM SOW STEPS 2 THROUGH 6, 8 AND 9 FOR THE WORK ON THE EAST SIDE OF THE PUMP STATION. NOTE THAT FOR THE WORK ON THE EAST SIDE OF THE PUMP STATION, THE CONTRACTOR SHALL REMOVE ALL EXISTING BOLLARDS AND ENOUGH OF THE EXISTING SLAB ON GRADE TO PERFORM SPECIFIED CONSTRUCTION (SEE PHOTOGRAPH TITLED "EAST END OF PROJECT" FOR VIEW OF EXISTING BOLLARDS AND EXISTING SLAB ON GRADE). ADDITIONALLY, FOR WORK ON THE EAST SIDE OF THE PUMP STATION, THE CONTRACTOR SHALL INSTALL PLANTER WALL VERTICAL REINFORCING IN THE PROPOSED JUNCTION SLAB AS REQUIRED AND SHALL CONSTRUCT THE PLANTER AS PER THE A SERIES DRAWINGS, AND INSTALL LIGHTING AS SPECIFIED IN THE ELECTRICAL DRAWINGS.

SCREEN PANEL INSTALLATION AND REMOVAL

NOTE THE FOLLOWING:

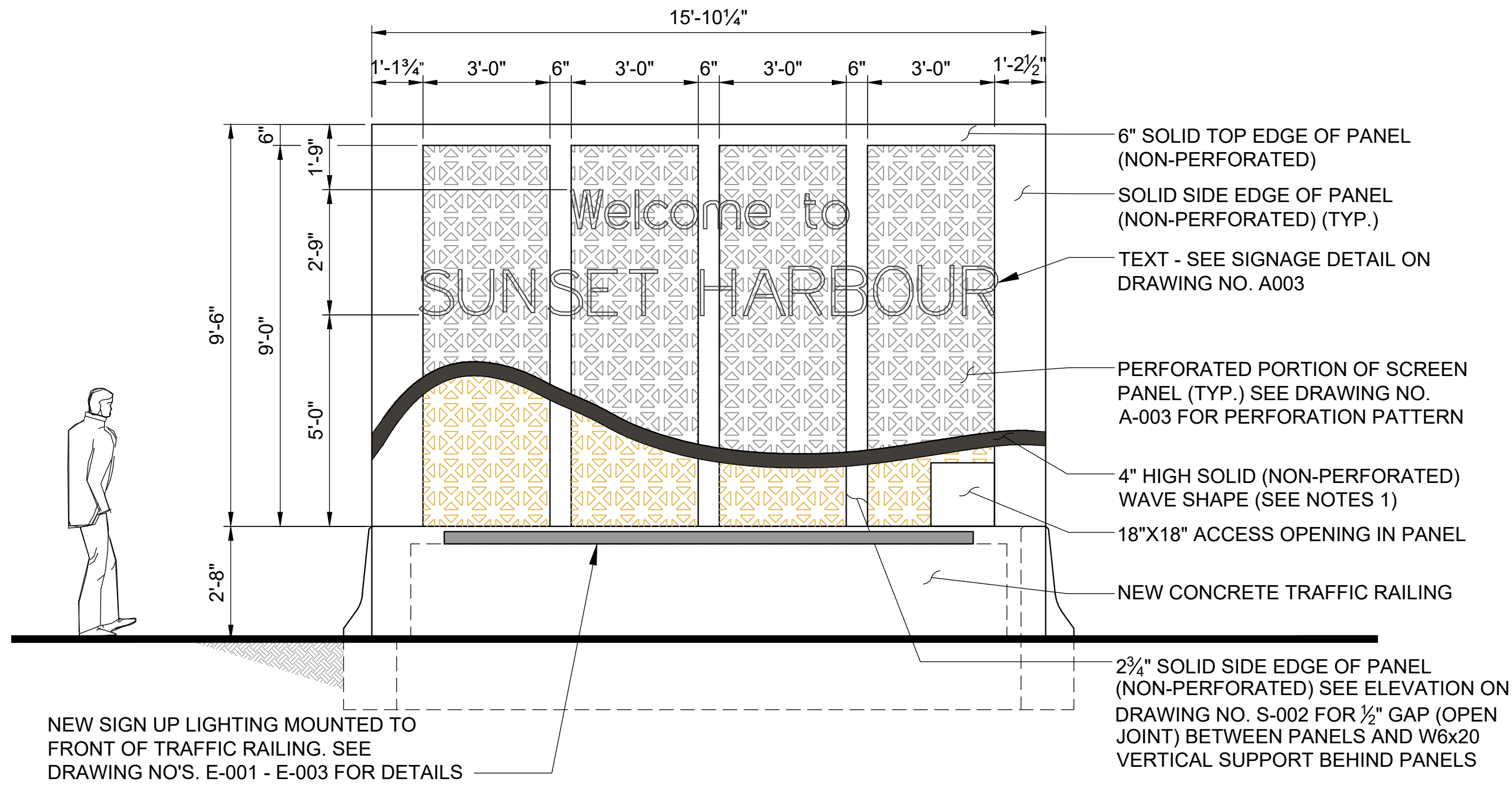
- MAXIMUM SCREEN PANEL WEIGHT IS ABOUT 300 POUNDS.
- USE THE LIFTING HOLES IN THE SCREEN PANEL TOP ENDS SHOWN ON DRAWING NO S-002 TO LIFT THE SCREEN PANELS.
- USE SHACKLES ATTACHED TO THE SCREEN PANEL LIFTING HOLES, WIRE ROPES ATTACHED TO THE SHACKLES AND A MECHANICAL LIFTING DEVICE ATTACHED TO THE WIRE ROPES TO LIFT THE SCREEN PANELS.
- SHACKLE PINS THAT CAN FIT THROUGH A 5/8" DIAMETER HOLE SHALL BE USED.

SCREEN PANEL INSTALLATION

1. ATTACH SHACKLE PINS TO THE SCREEN PANEL LIFTING HOLES.
2. USE A MECHANICAL LIFTING DEVICE TO LIFT THE SCREEN PANEL AND PLACE IN POSITION.
3. INSTALL BOLTS TO ATTACH THE SCREEN PANEL TO THE VERTICAL SUPPORTS.
4. RELEASE THE SHACKLES FROM THE SCREEN PANEL.

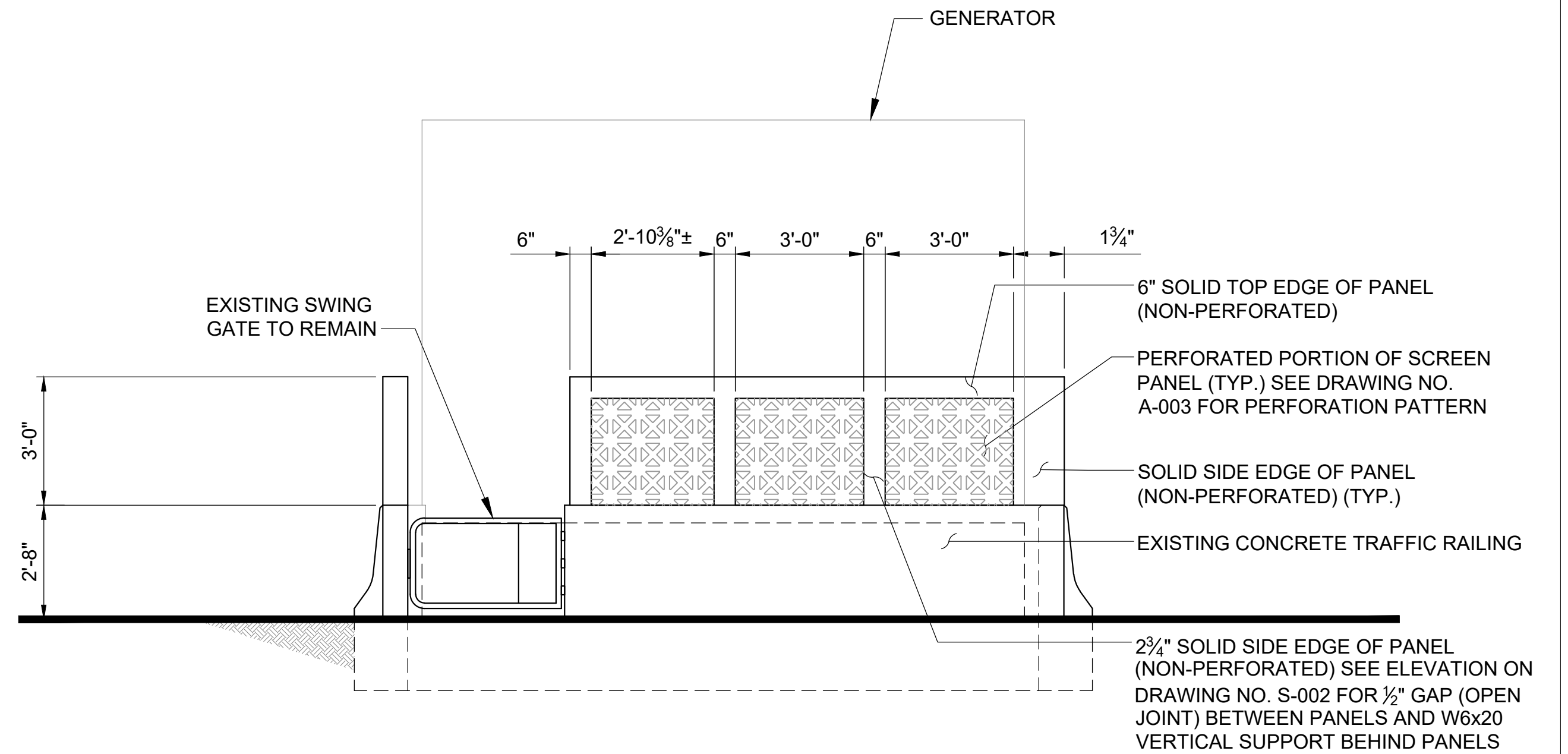
SCREEN PANEL REMOVAL

1. ATTACH SHACKLE PINS TO THE SCREEN PANEL LIFTING HOLES.
2. USE A MECHANICAL LIFTING DEVICE TO HOLD THE SCREEN PANEL IN PLACE.
3. REMOVE THE BOLTS ATTACHING THE SCREEN PANEL TO THE VERTICAL SUPPORTS.
4. LIFT AND REMOVE THE SCREEN PANEL.



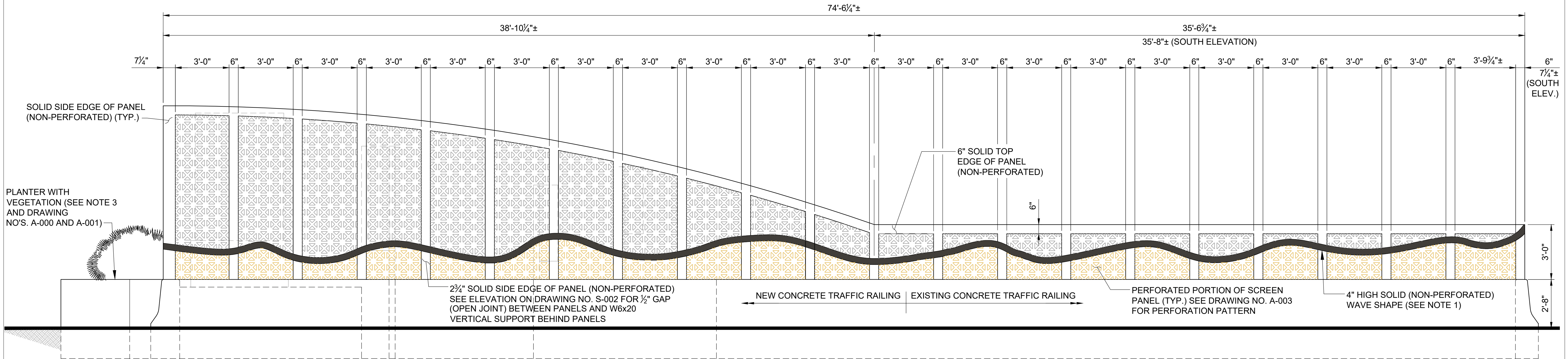
EAST ELEVATION

NOT TO SCALE
(PLANTER NOT SHOWN FOR CLARITY)



WEST ELEVATION

NOT TO SCALE



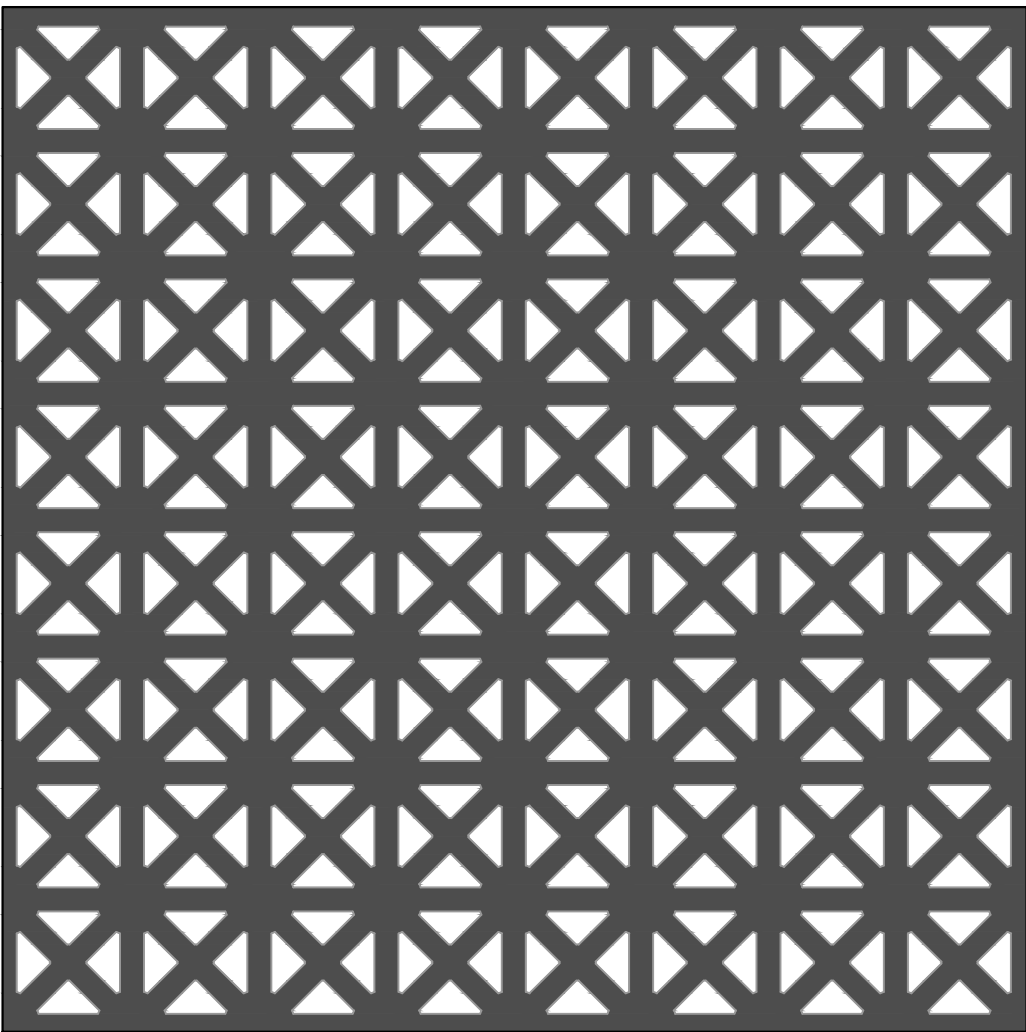
NORTH ELEVATION

(SOUTH ELEVATION SIMILAR)
NOT TO SCALE

NOTES:

1. TOP OF WAVE SHAPE SHALL LIE ENTIRELY BELOW SOLID TOP EDGE OF PANELS. THIS DRAWING DEPICTS THE GENERAL SHAPE OF THE WAVE PATTERN. PRIOR TO ORDERING WAVE SHAPE, PROVIDE WAVE SHAPE SHOP DRAWINGS FOR OWNER AND ENGINEER REVIEW. SHOP DRAWING SHALL INCLUDE PROPOSED METHOD OF ATTACHMENT TO SCREEN PANELS (WAVE SHAPE MUST BE REMOVABLE).
2. SEE DRAWING NO. A-003 FOR SCREEN PANEL PAINT COLORS.
3. TWO TYPES OF VEGETATION SHALL BE PLACED IN THE PLANTER:
 - A. SANTIVERIA LAURENTI.
 - B. HARDIAND GREEN ISLAND BICUS.

PERFORATION PATTERN:



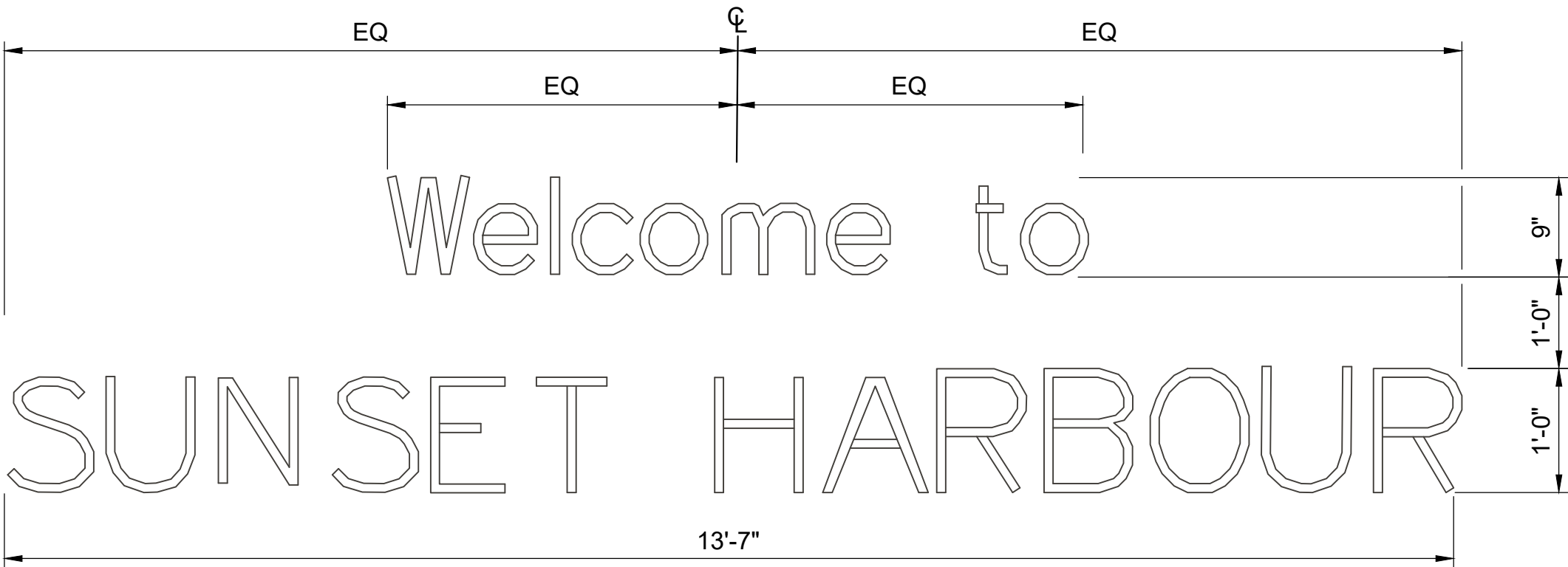
MANUFACTURER: McNICHOLS OR SIMILAR
STYLE: GRECIAN

NOTES:

- 1. SEE NOTE E AND "SCREEN WALL MATERIAL PROPERTIES" ON DRAWING NO. S-001.
- 2. AVAILABLE GRECIAN PATTERN SAMPLES WILL BE PROVIDED TO THE OWNER FOR REVIEW AND APPROVAL PRIOR TO ORDERING SCREEN PANELS.

SIGNAGE DETAIL:

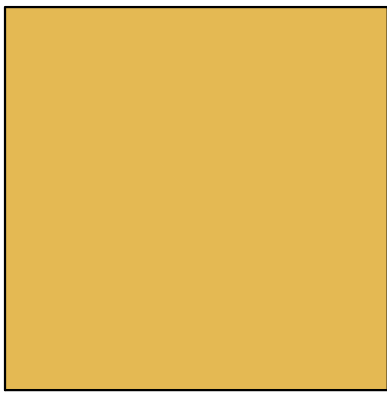
FONT STYLE: FUTURA STD BOOK



NOTE:

- 1. PRIOR TO ORDERING SIGN PROVIDE SIGN SHOP DRAWINGS FOR OWNER AND ENGINEER REVIEW. SHOP DRAWINGS SHALL INCLUDE PROPOSED METHOD OF ATTACHMENT TO SCREEN PANELS (SIGN MUST BE REMOVABLE).

COLOR CHART:



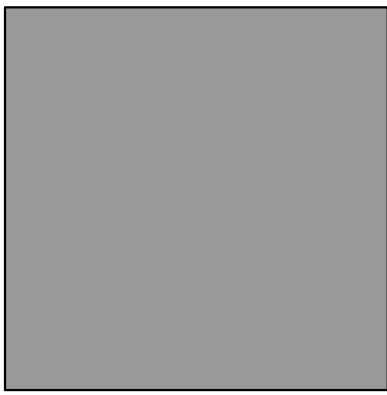
PANEL EXTERIOR COLOR BELOW THE WAVE SHAPE

MANUFACTURER: SHERWIN WILLIAMS
COLOR: GOLD CREST
SW #: 6670



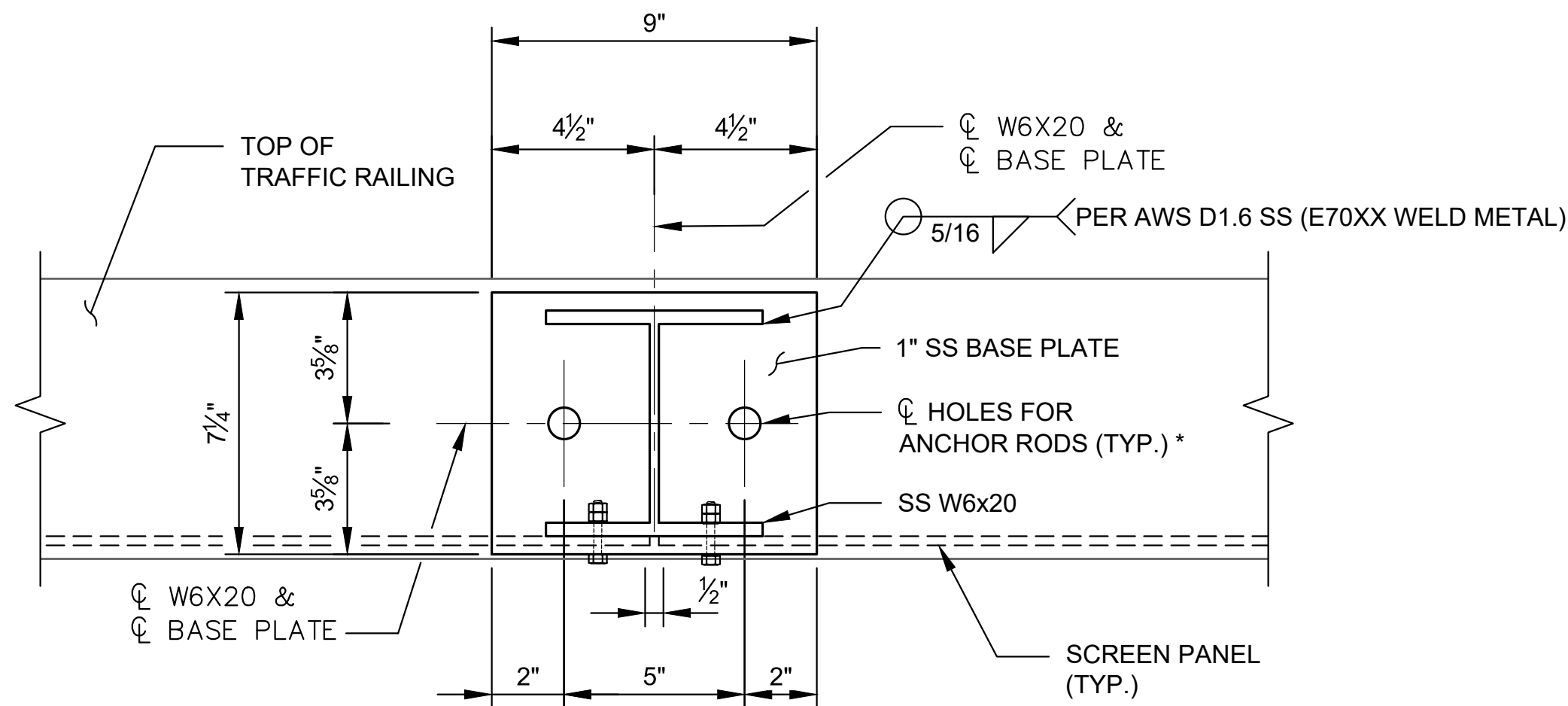
WAVE SHAPE & TEXT COLOR

MANUFACTURER: SHERWIN WILLIAMS
COLOR: DORIAN GRAY
SW #: 7017



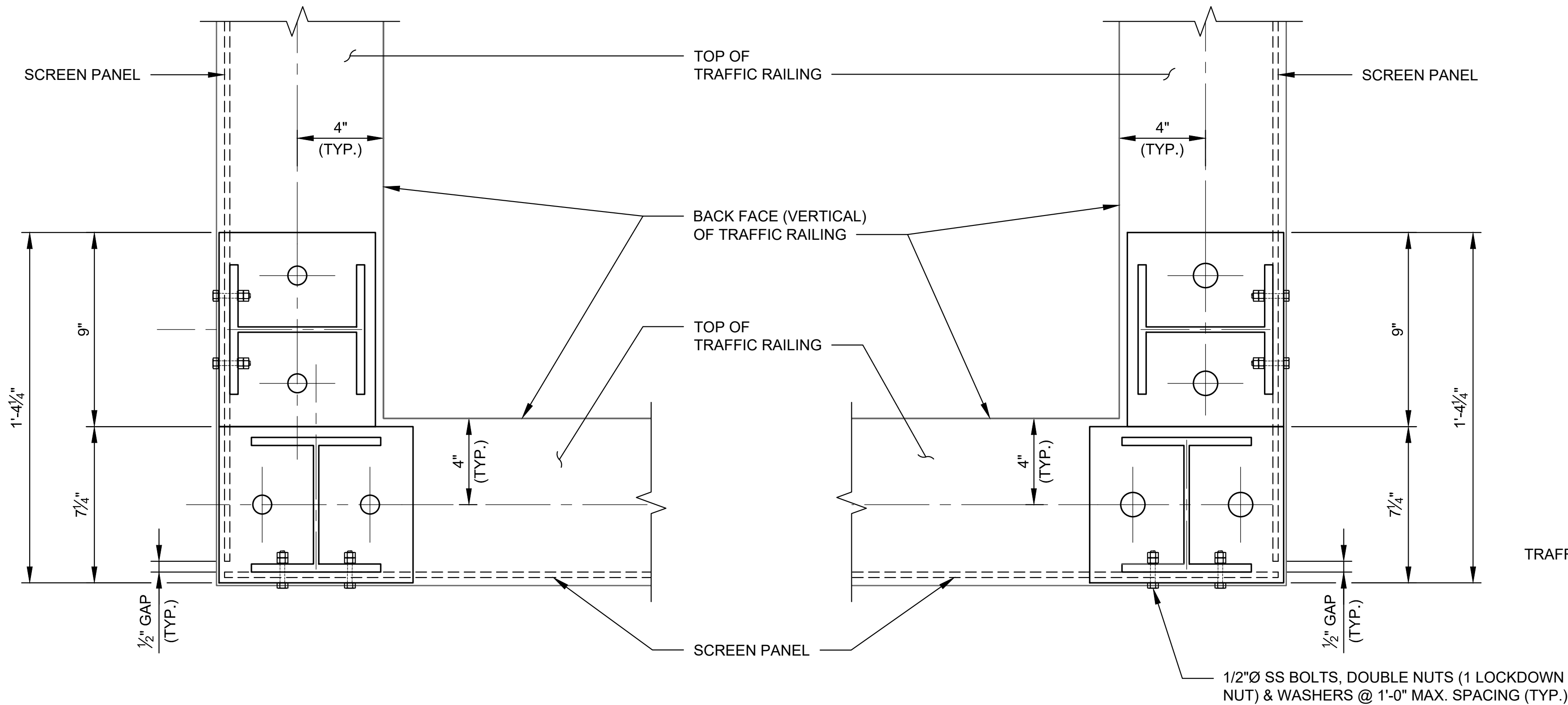
PANEL INTERIOR COLOR

MANUFACTURER: SHERWIN WILLIAMS
COLOR: EIDER WHITE
SW #: 7014



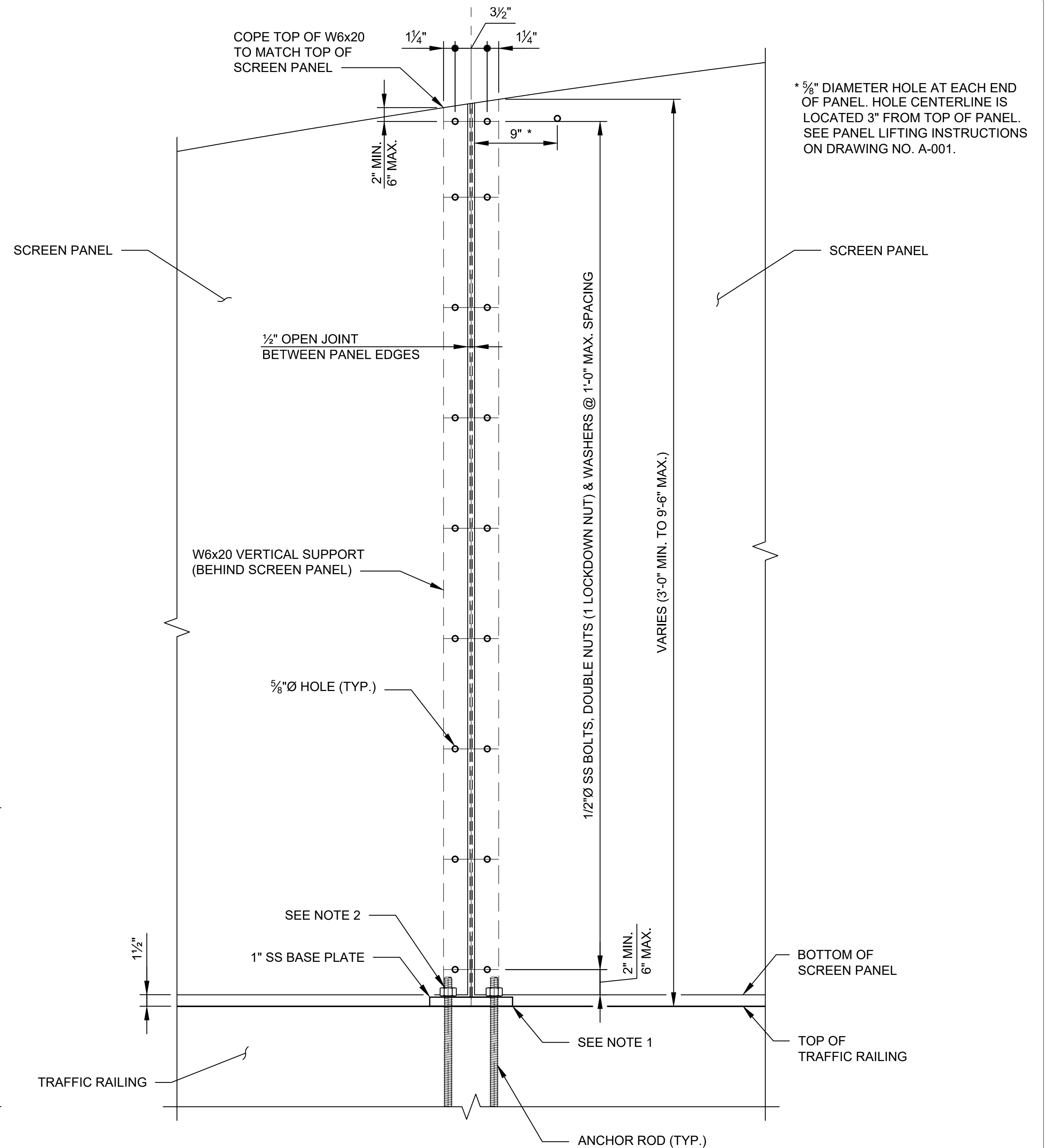
* 7/8"Ø HOLES (SEE PLAN VIEW ON DWG. NO. S-001 FOR LOCATION) OR
1 1/8"Ø HOLES (SEE PLAN VIEW ON DWG. NO. S-001 FOR LOCATION)

TYPICAL BASE PLATE DETAIL 1
NOT TO SCALE S-001



CORNER BASE PLATE DETAIL 2
NOT TO SCALE S-001

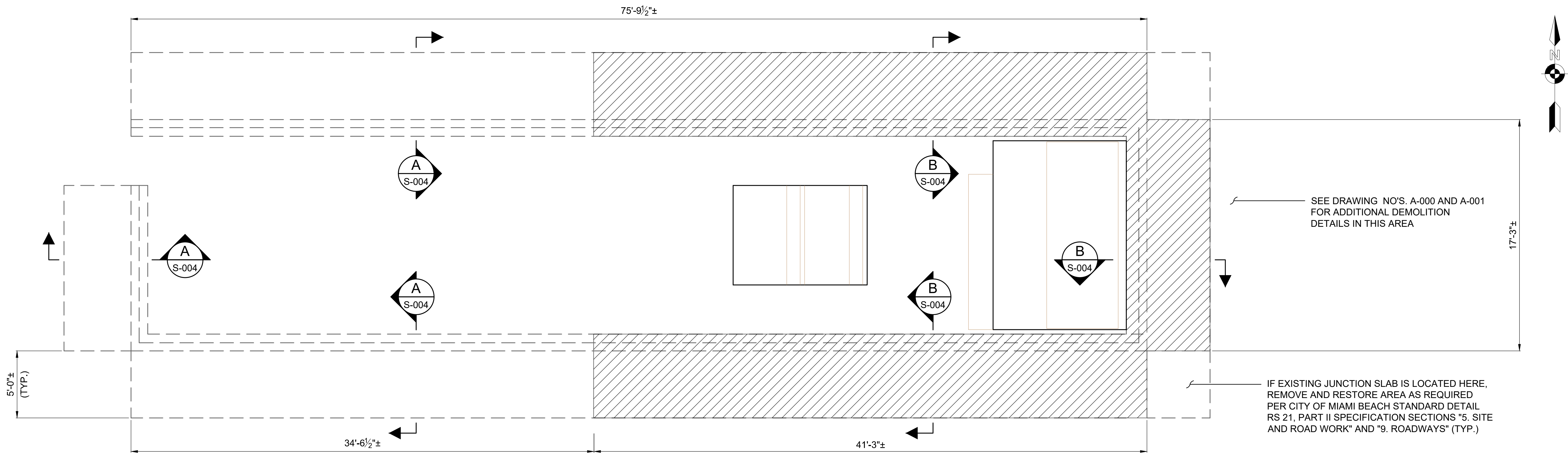
CORNER BASE PLATE DETAIL 3
NOT TO SCALE S-001
(NORTHEAST CORNER SIMILAR EXCEPT 3/4" GAP BETWEEN BASE PLATES)



NOTES:

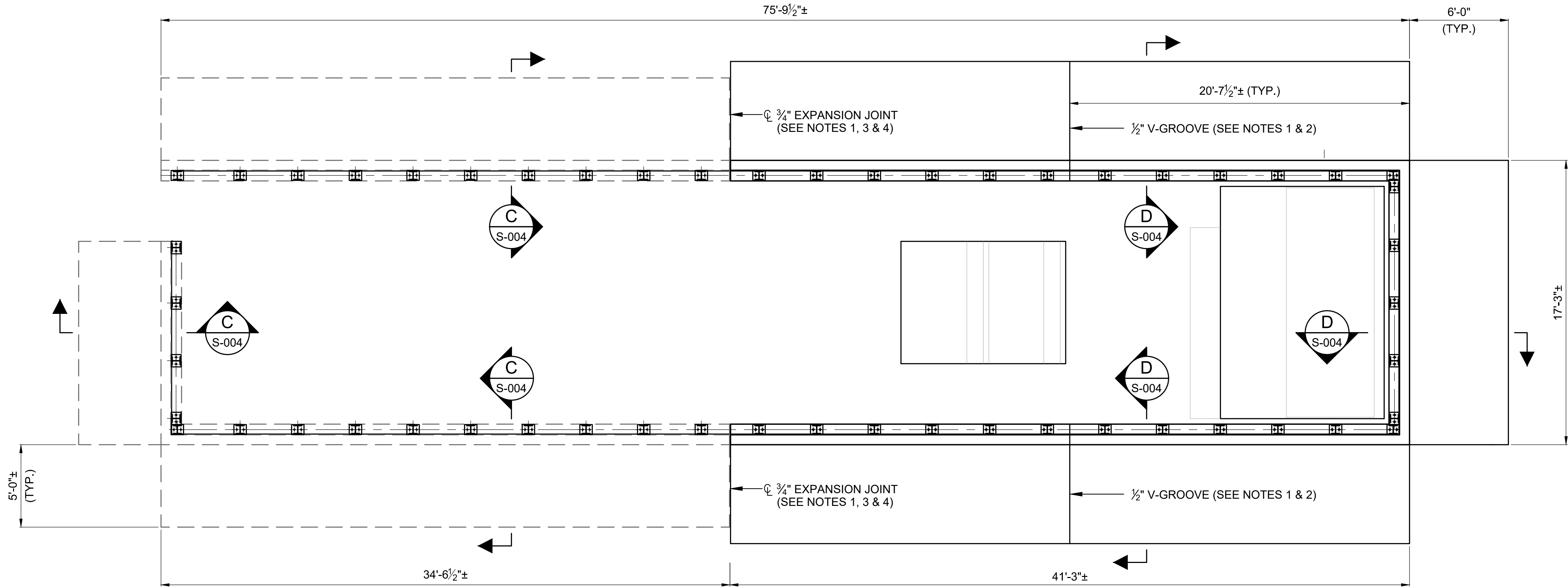
- IF NECESSARY TO PLUMB W6x20, PLACE THIN LAYER OF 6000 psi NON-SHRINK GROUT PER FDOT SPECIFICATION SECTION 934.
- AFTER THE NUTS HAVE BEEN TIGHTENED, DISTORT THE ANCHOR ROD THREADS TO PREVENT REMOVAL OF THE NUTS.

SCREEN FRONT ELEVATION @ VERTICAL SUPPORT A
NOT TO SCALE S-001



PLAN VIEW - DEMOLITION

NOT TO SCALE (SEE NOTES ON DRAWING NO. A-001)



PLAN VIEW - CONSTRUCTION

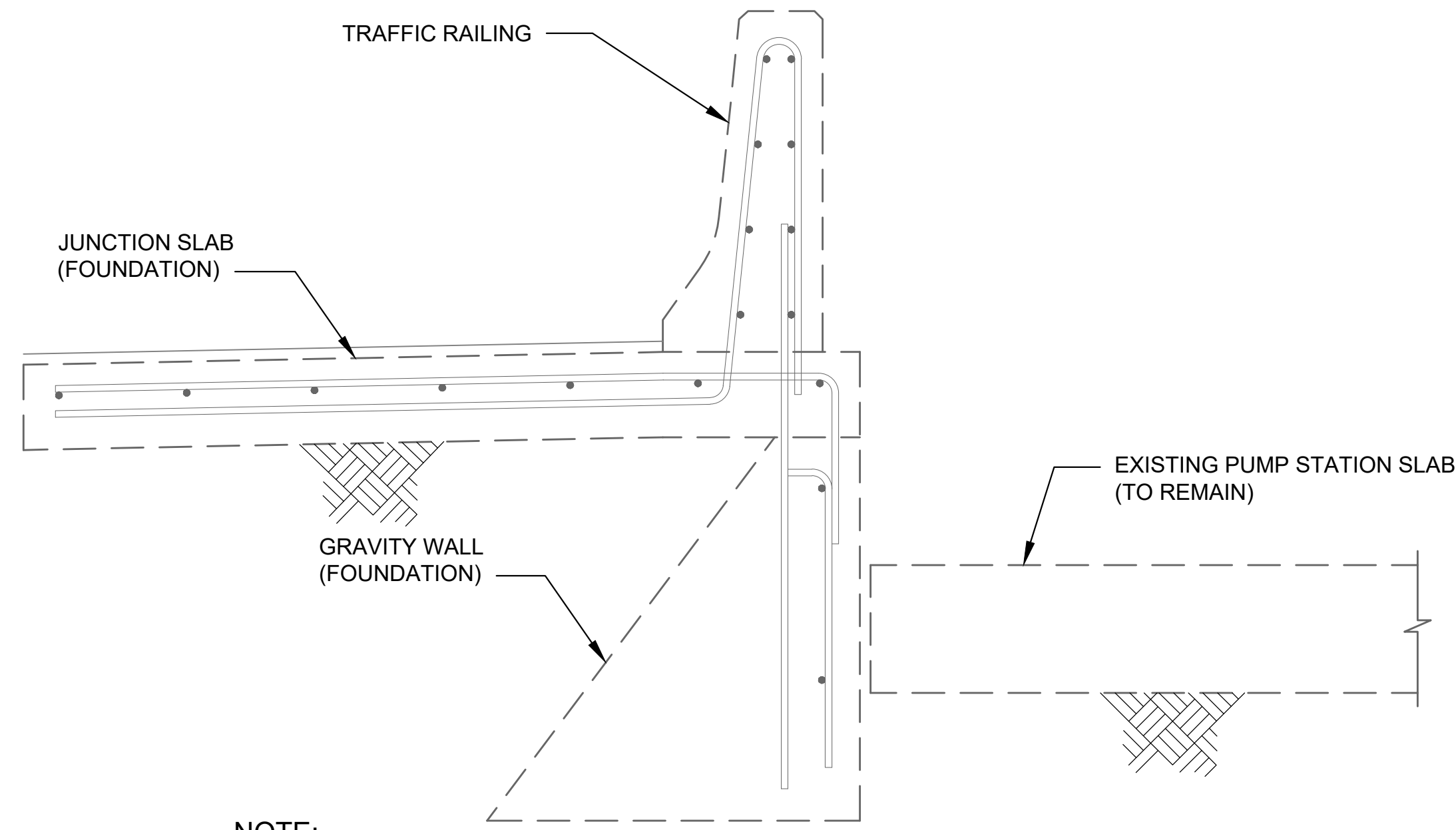
NOT TO SCALE (SEE NOTES ON DRAWING NO. A-001)

LEGEND

- EXISTING STRUCTURE (TRAFFIC RAILING & JUNCTION SLAB)
- PROPOSED STRUCTURE (REPLACEMENT TRAFFIC RAILING & JUNCTION SLAB)
- EXISTING STRUCTURE TO BE REMOVED

NOTES:

- V-GROOVES AND EXPANSION JOINTS SHALL BE CONSTRUCTED PLUMB AND PERPENDICULAR TO THE GUTTER LINE.
- CONSTRUCT V-GROOVE IN BOTH FACES AND TOP OF TRAFFIC RAILING, AND ON BOTH EDGES AND TOP OF JUNCTION SLAB.
- PROVIDE AND INSTALL 3/4" PREFORMED EXPANSION JOINT FILLER IN ACCORDANCE WITH FDOT SPECIFICATION SECTION 932. (MAY USE STAY-IN-PLACE PLASTIC PREFORMED BOND BREAKER TO FORM JOINT).
- REMOVE REINFORCING STEEL AT EXISTING TRAFFIC RAILING/JUNCTION SLAB CUTTING EDGE TO 1" BELOW SURFACE AND PLUG OPENING WITH EPOXY GROUT PER FDOT SPECIFICATION SECTION 926.



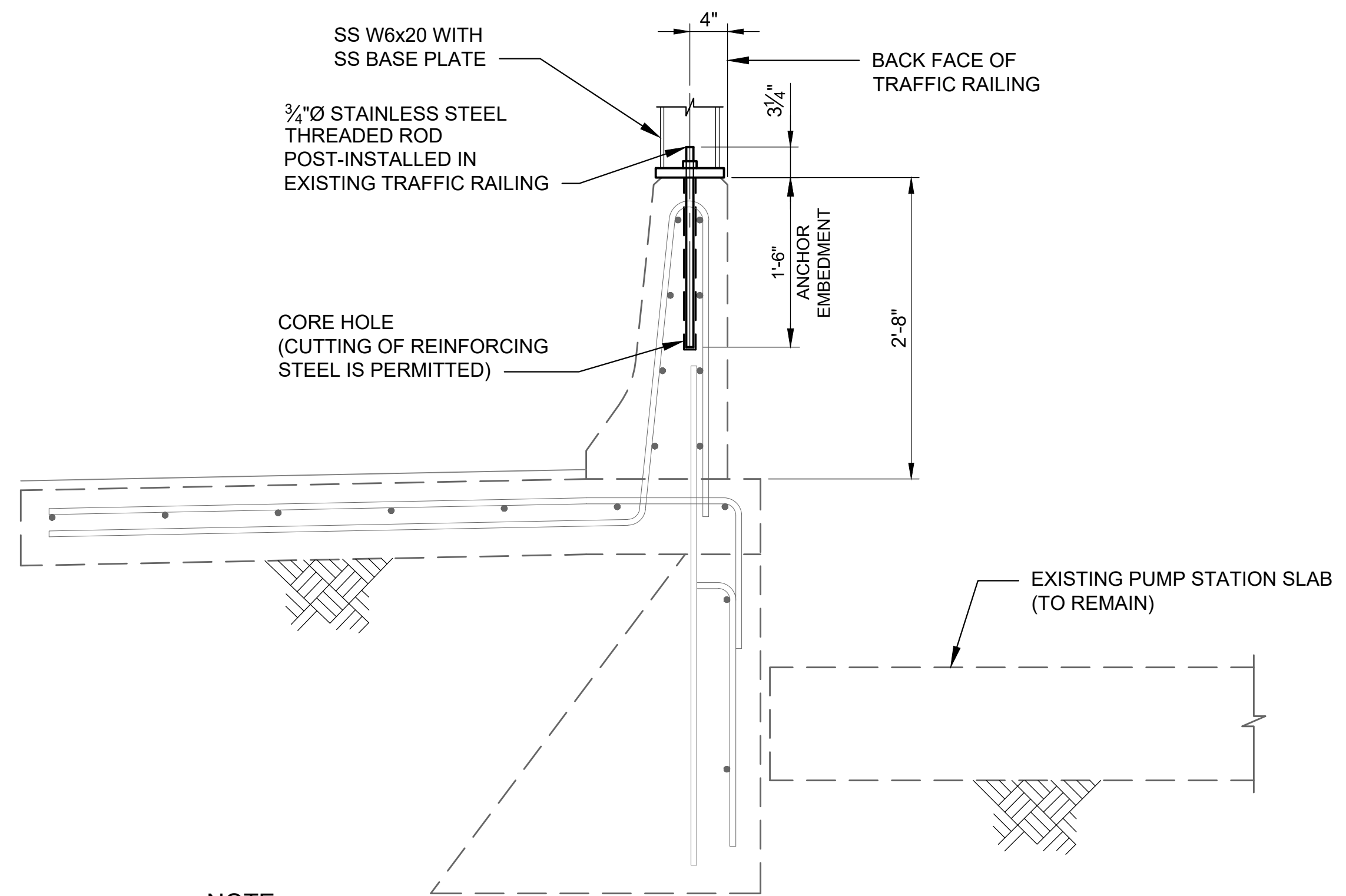
NOTE:

1. SEE AS-BUILT DRAWING OF EXISTING TRAFFIC RAILING AND FOUNDATION ATTACHED TO THE CONSTRUCTION PLAN SET.

SECTION - EXISTING

NOT TO SCALE

A
S-003



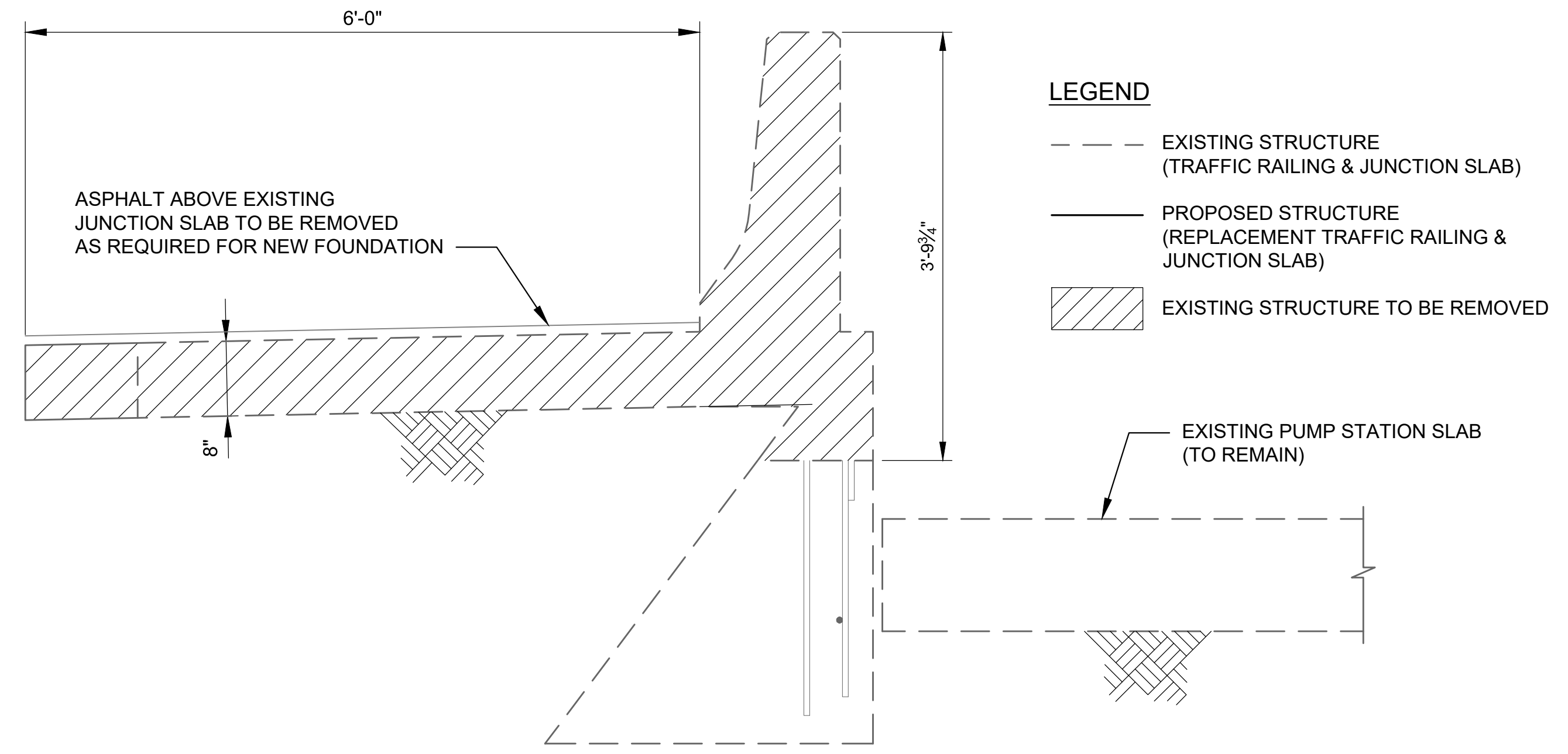
NOTE:

1. USE ADHESIVE BONDING SYSTEM FOR STRUCTURAL APPLICATION TYPE HV LISTED ON FDOT'S APPROVED PRODUCTS LIST AND PER FDOT SPECIFICATION SECTIONS 416 AND 937.

SECTION - EXISTING W/ SCREEN

NOT TO SCALE

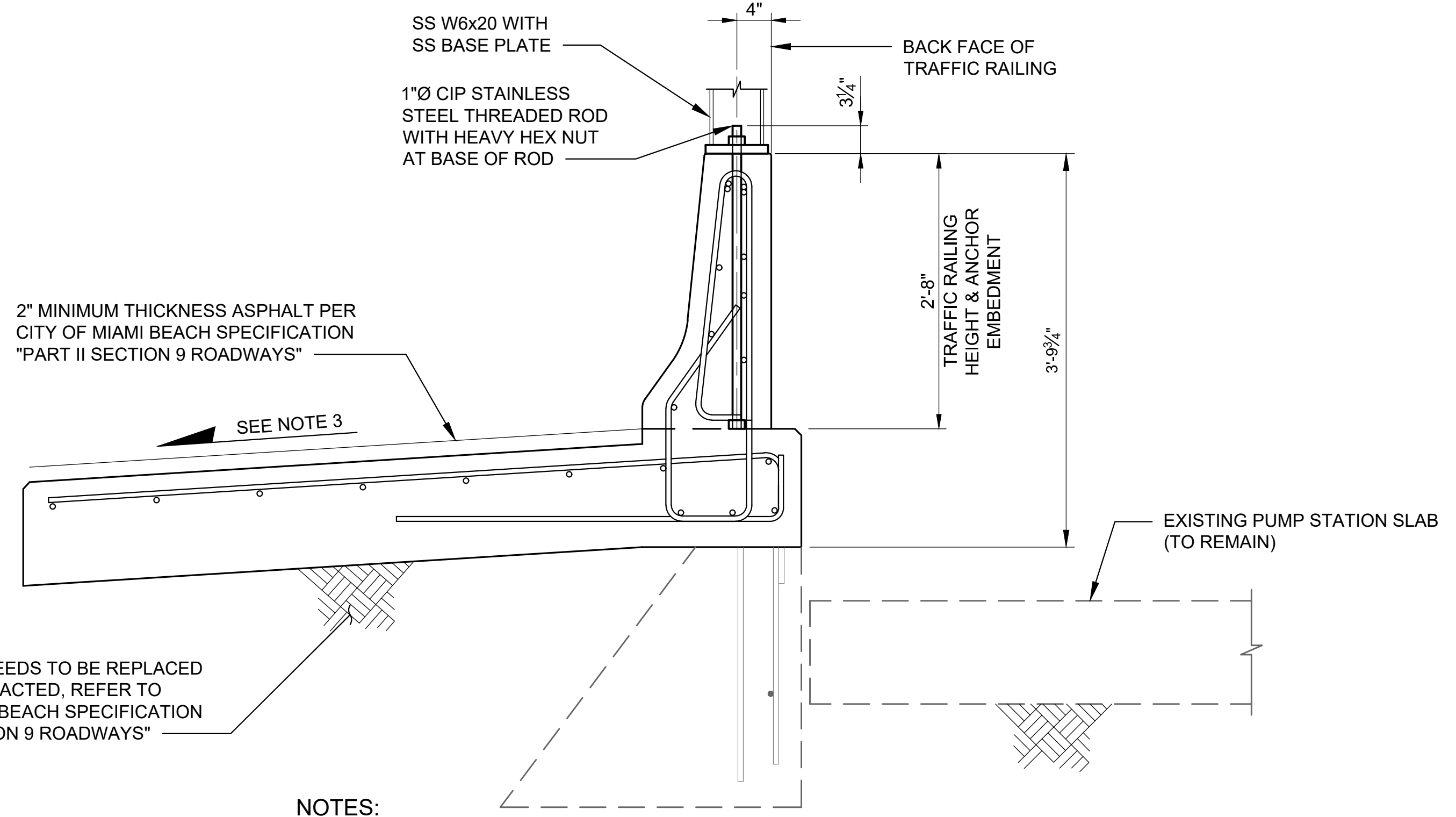
C
S-003



SECTION - DEMOLITION

NOT TO SCALE

B
S-003



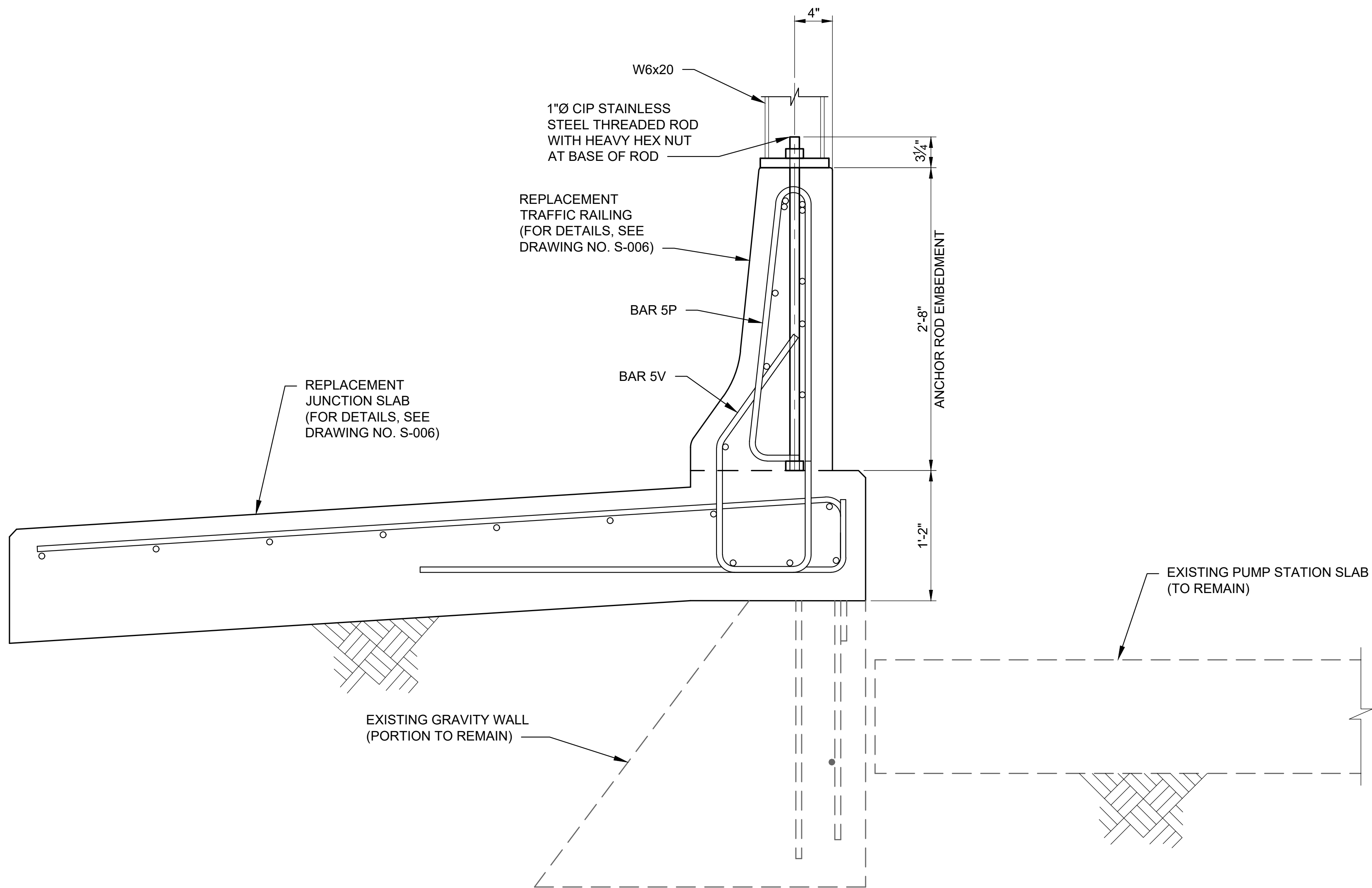
NOTES:

1. SEE REPLACEMENT TRAFFIC RAILING AND JUNCTION SLAB DETAILS ON DRAWING NO'S. S-005 & S-006.
2. CONFIRM LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. STORM SEWER IMPROVEMENTS AS-BUILT SURVEY IS AVAILABLE FROM THE CITY TO AID WITH UTILITY LOCATION.
3. ROADWAY SURFACE TO BE SLOPED TO MATCH EXISTING ROADWAY SURFACE ADJACENT TO CONSTRUCTION.

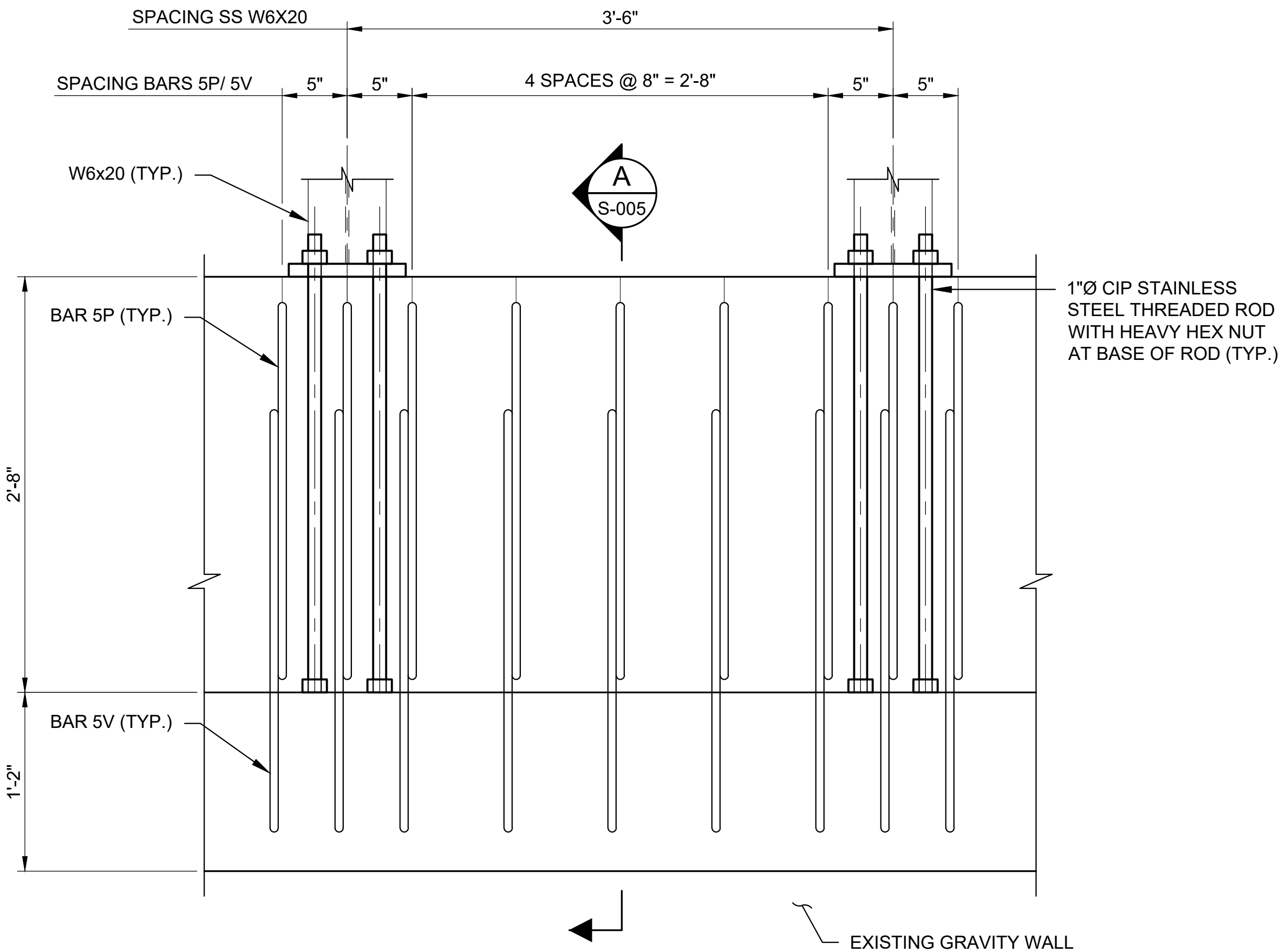
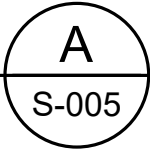
SECTION - REPLACEMENT W/ SCREEN

NOT TO SCALE

D
S-003



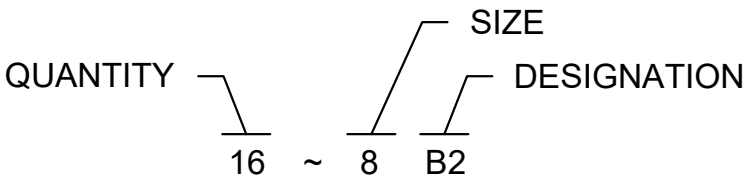
TYPICAL SECTION
NOT TO SCALE



TYPICAL ELEVATION
NOT TO SCALE
(ONLY BARS 5P AND 5V SHOWN FOR CLARITY)

TRAFFIC RAILING AND JUNCTION SLAB MATERIALS

1. REINFORCING STEEL
- I) ALL REINFORCING STEEL SHALL BE CARBON STEEL PER FDOT SPECIFICATION SECTION 931.
- II) ALL DIMENSIONS PERTAINING TO LOCATION OF REINFORCING STEEL ARE TO CENTERLINE OF BARS EXCEPT WHERE THE CLEAR DIMENSION IS SHOWN FROM FACE OF BAR TO FACE OF CONCRETE OR OTHER ELEMENT.
- III) TYPICAL REINFORCING BARS ARE MARKED AS FOLLOWS:



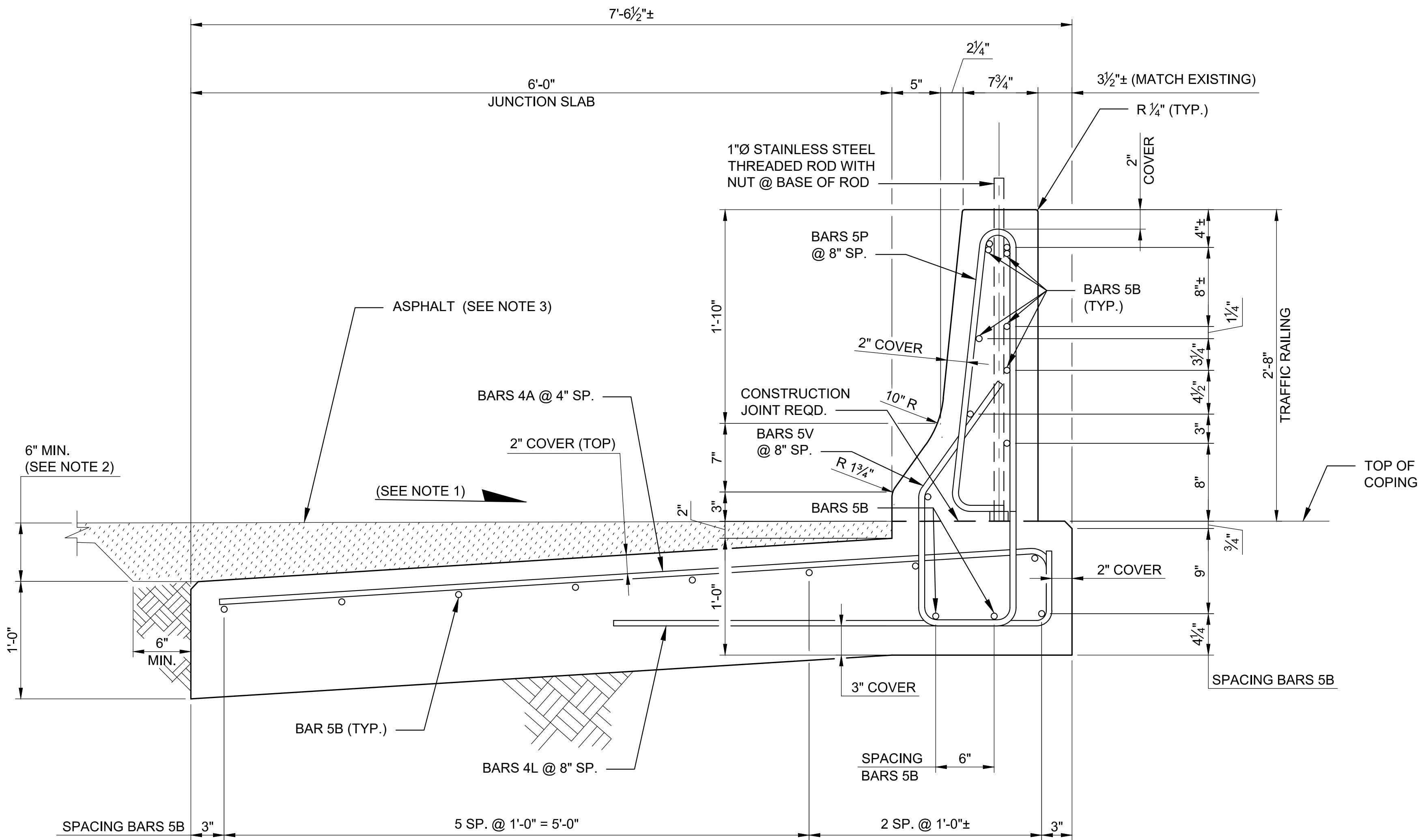
2. CONCRETE

CONCRETE SHALL CONFORM TO FDOT SPECIFICATION SECTION 346.

CONCRETE CLASS	MINIMUM 28 DAY COMPRESSIVE STRENGTH (PSI)	LOCATION OF CONCRETE IN STRUCTURE
IV	5,500	TRAFFIC RAILING JUNCTION SLAB PLANTER

LEGEND

- EXISTING STRUCTURE (GRAVITY WALL & PUMP STATION SLAB)
- PROPOSED STRUCTURE (REPLACEMENT TRAFFIC RAILING & JUNCTION SLAB)

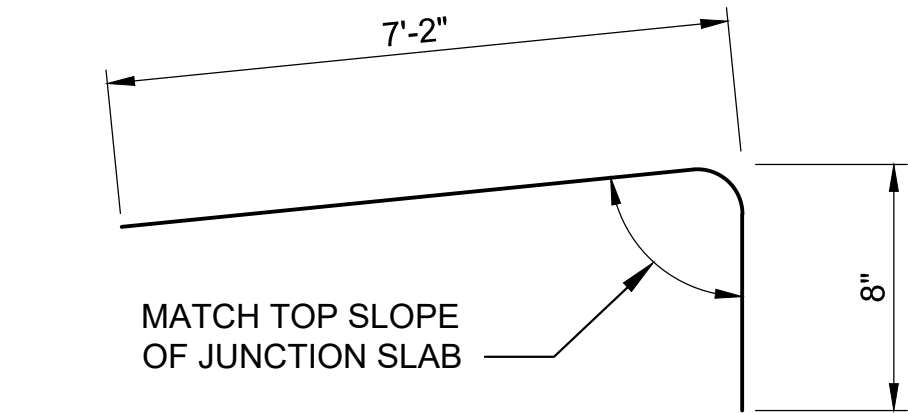


- NOTES:
- 1. ROADWAY SURFACE TO BE SLOPED TO MATCH EXISTING ROADWAY SURFACE ADJACENT TO CONSTRUCTION.
 - 2. VARY THE JUNCTION SLAB SLOPE BASED ON THE ROADWAY CROSS SLOPE TO MAINTAIN A MINIMUM 6" ASPHALT DEPTH AT THE EDGE OF THE SLAB.
 - 3. ASPHALT IS REQUIRED ON TOP OF THE JUNCTION SLAB FOR IT'S ENTIRE LENGTH ON THE TRAFFIC SIDE OF THE TRAFFIC RAILING. SEE CITY OF MIAMI BEACH SPECIFICATION "PART II SECTION 9 ROADWAYS".
 - 4. UNLESS NOTED OTHERWISE, CONCRETE COVER SHALL BE 2".

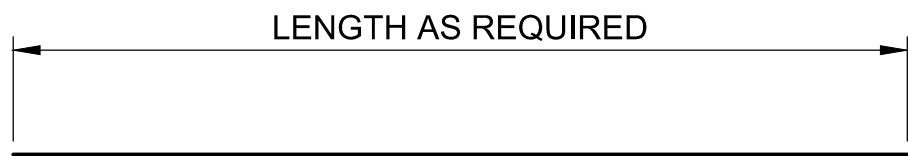
TYPICAL SECTION - REPLACEMENT TRAFFIC RAILING & JUNCTION SLAB

NOT TO SCALE (EXISTING GRAVITY WALL NOT SHOWN FOR CLARITY)

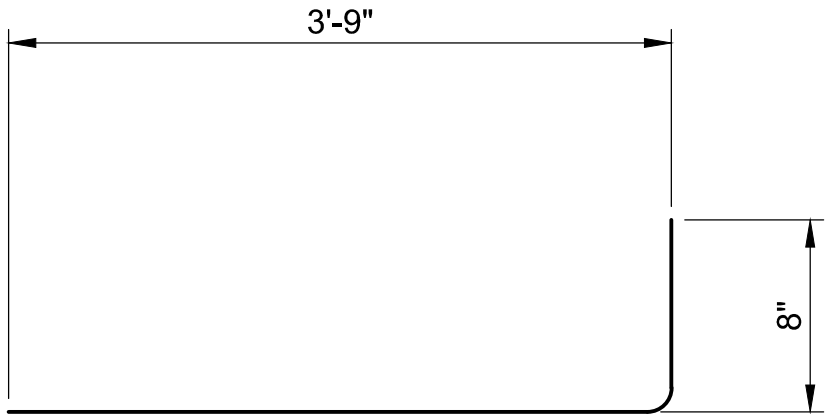
BILL OF REINFORCING STEEL		
MARK	SIZE	LENGTH
A	4	7'-10"
B	5	AS REQD.
L	4	4'-5"
P	5	5'-7"
V	5	5'-10½"



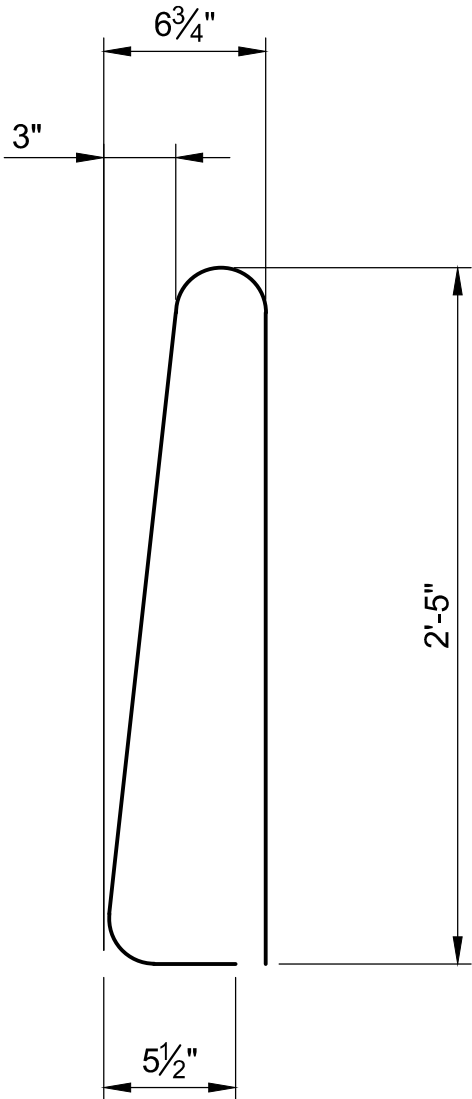
BAR 4A



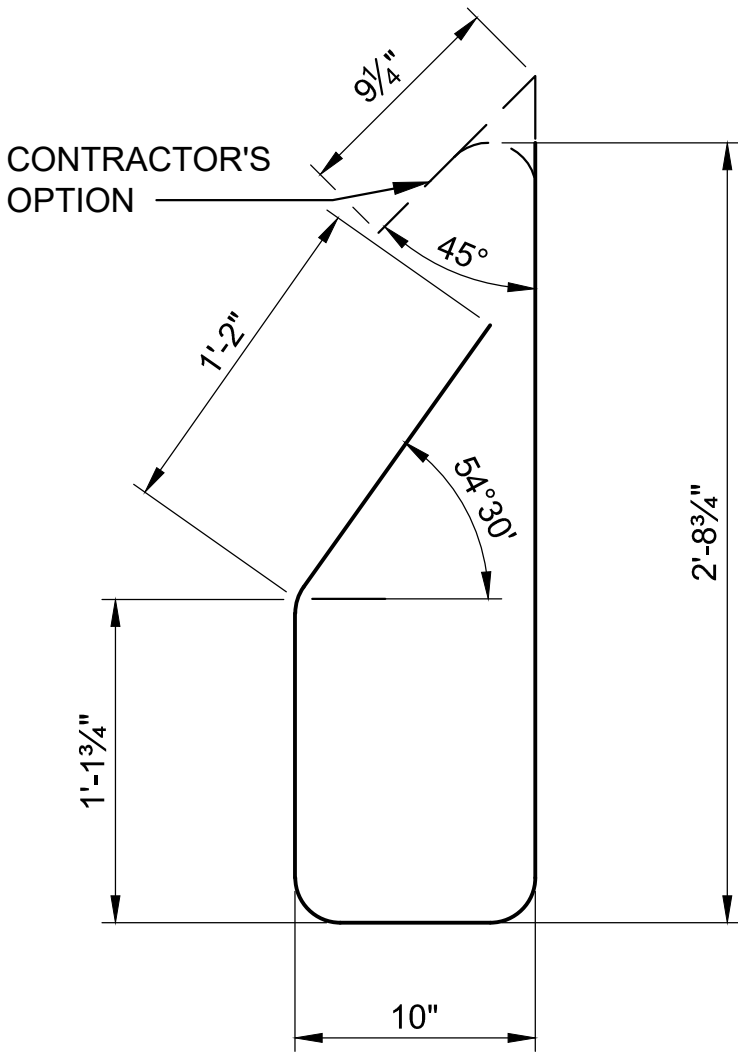
BARS 5B



BARS 4L



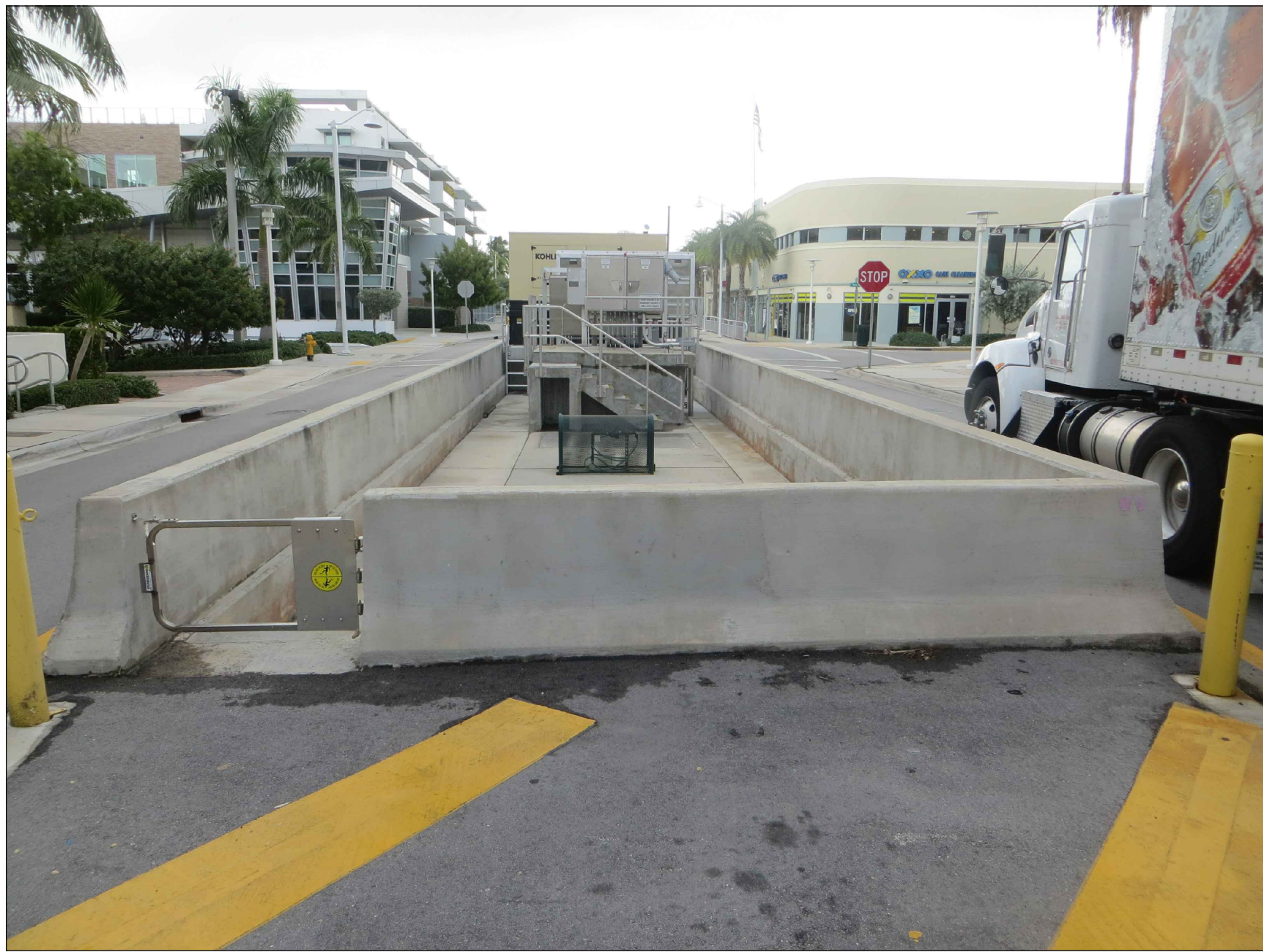
STIRRUPS BAR 5P



STIRRUPS BAR 5V

- NOTES:
- 1. ALL BAR DIMENSIONS IN THE BENDING DIAGRAMS ARE OUT TO OUT.
 - 2. ALL REINFORCING STEEL AT EXPANSION AND OPEN JOINTS WILL HAVE A 2" MINIMUM COVER.
 - 3. LAP SPLICES FOR BARS 5B WILL BE A MINIMUM OF 2'-2".
 - 4. CONTRACTOR MAY USE A SINGLE #5 STIRRUP IN LIEU OF TWO BARS FOR 5P AND 5V2.

REINFORCING STEEL BENDING DIAGRAMS



WEST END OF PROJECT



SOUTHWEST CORNER OF PROJECT



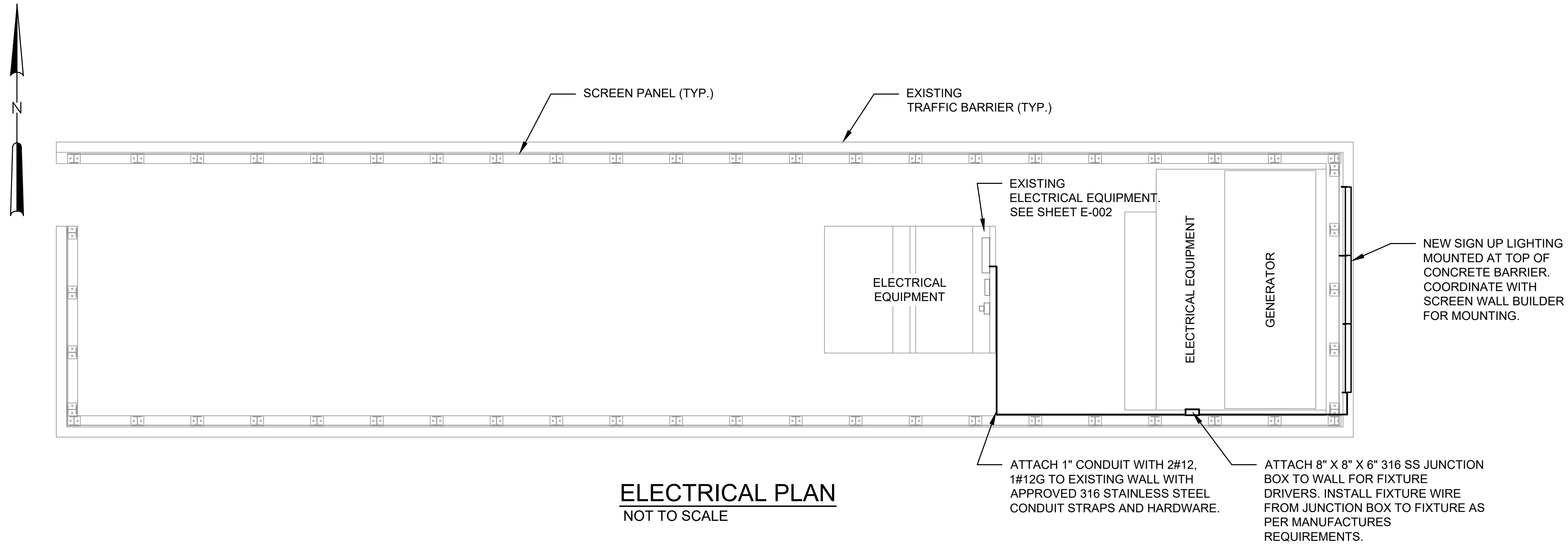
EAST END OF PROJECT



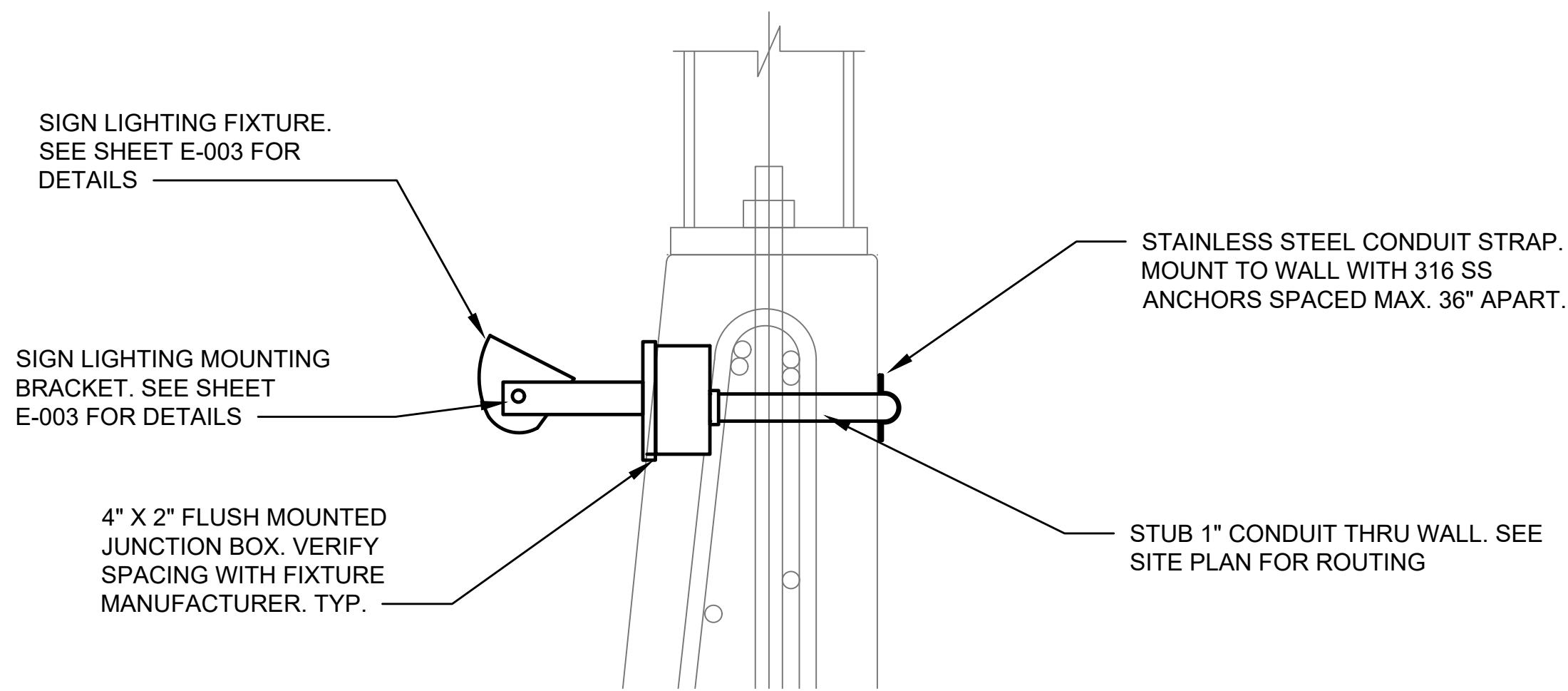
PUBLIX BEYOND PROJECT



GENERATOR AND ELECTRICAL EQUIPMENT



ELECTRICAL PLAN
NOT TO SCALE



LIGHTING MOUNTING DETAIL
NOT TO SCALE

100% SUBMITTAL

Smith Engineering Consultants, Inc.
State Auth. #8228
2161 Palm Beach Lakes Blvd., Suite 312
West Palm Beach, FL 33409
(561) 616-3911 Fax (561) 616-3912
www.smithengineeringconsultants.com

MIAMI BEACH
OFFICE OF CAPITAL IMPROVEMENT PROJECTS
1701 MERIDIAN AVENUE, MIAMI BEACH, FL 33139

PROJECT: SCREEN WALL AT PS NO. 3
ADDRESS: WEST AVE. AND 20TH ST.

Stanley Consultants inc.
1641 Worthington Road, Suite 400
West Palm Beach, Florida 33409
Florida Engineering Cert. No. 1978

LARRY M. SMITH, P.E.
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2161 Palm Beach Lakes Blvd., Suite 312
West Palm Beach, Florida 33409
www.smithengineeringconsultants.com
Certificate of Authorization No. 8228

DRAWN BY: SPH
CHECKED BY: LMS
DESIGNED BY: SPH
CHECKED BY: XX
SCALE: N.T.S.

5				
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NO.	DATE	REVISION	APP'D. BY	

Drawing Title:
ELECTRICAL PLAN
Filename: S19042_E-1 PS3_PLAN.DWG
Date: 8/20/19 Sheet: 01 of 03

Drawing No.:

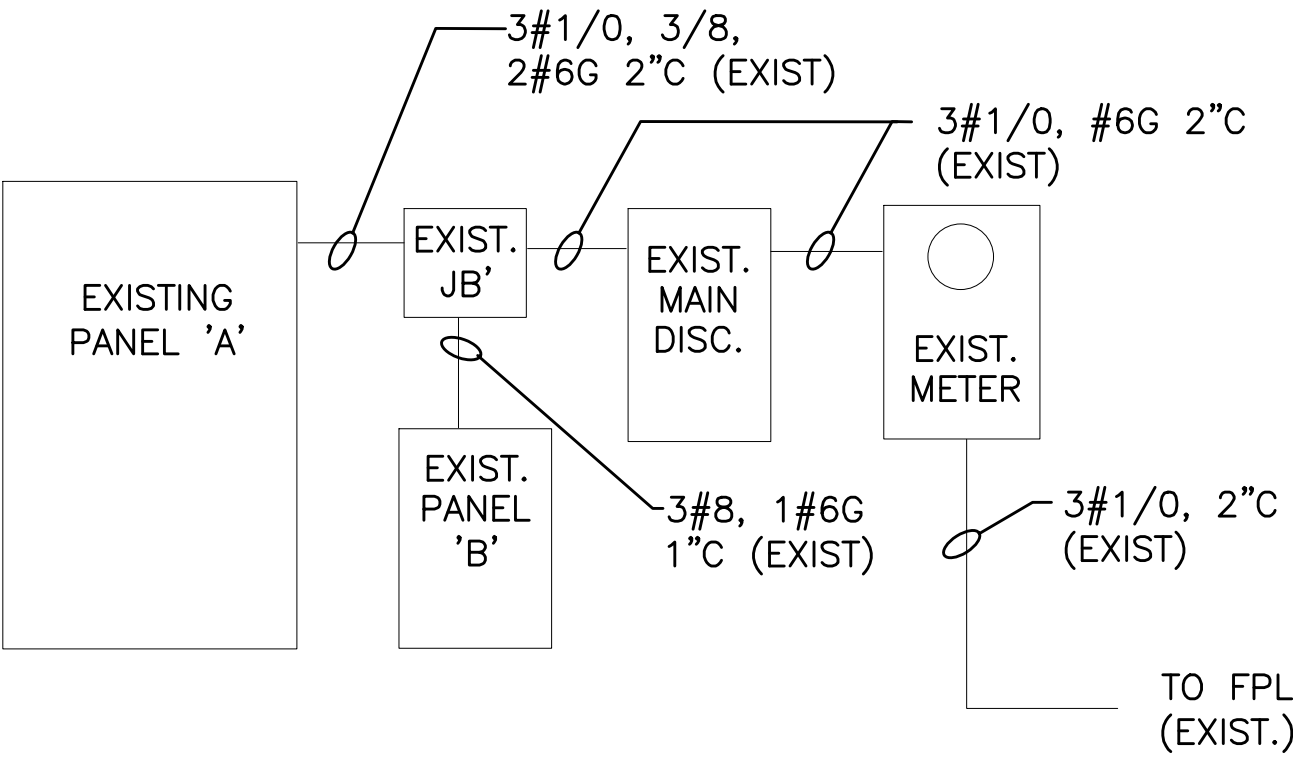
E-001

GENERAL ELECTRICAL NOTES AND SPECIFICATIONS:

1. THE SCOPE OF WORK SHALL CONSIST PRIMARILY OF THE FOLLOWING:

A. PROVIDE AND INSTALL NEW SIGN LIGHTING COMPLETE.

B. PROVIDE AND INSTALL CONDUIT AND WIRE COMPLETE.
2. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR TO INSTALL THE ELECTRICAL SYSTEMS AS INDICATED ON THE DRAWINGS. ITEMS NOT SHOWN BUT OBVIOUSLY NECESSARY FOR COMPLETION OF THE WORK SHALL BE INCLUDED.
3. THE INSTALLATION SHALL BE IN ACCORDANCE WITH THE 2014 NATIONAL ELECTRICAL CODE, LATEST ADOPTED NATIONAL ELECTRICAL SAFETY CODE, LOCAL CODES, CITY CODES AND THE 2017 (6TH EDITION) FLORIDA BUILDING CODE.
4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, INSPECTIONS AND APPROVALS AND TO INCLUDE ALL FEES AS PART OF HIS BID IF NOT OTHERWISE NOTED.
5. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE OWNER & ENGINEER.
6. THE CONTRACTOR SHALL, BEFORE SUBMITTING HIS BID, VISIT THE SITE OF THE PROJECT AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS. NO ALLOWANCE WILL BE MADE FOR EXISTING CONDITIONS OR FAILURE OF THE CONTRACTOR TO OBSERVE THEM.
7. ALL EQUIPMENT AND MATERIAL SHALL BE UNUSED AND U.L. LISTED. ALL REFERENCES TO A PARTICULAR MANUFACTURER ARE GIVEN ON AN "APPROVED EQUAL" BASIS UNLESS OTHERWISE NOTED.
8. THE CONTRACTOR IS RESPONSIBLE TO TEST ALL SYSTEMS INSTALLED OR MODIFIED UNDER THIS PROJECT AND REPAIR OR REPLACE ALL DEFECTIVE WORK TO THE SATISFACTION OF THE ENGINEER AND OWNER.
9. ALL EQUIPMENT FURNISHED AND INSTALLED BY THE CONTRACTOR SHALL BE GUARANTEED AGAINST DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE.
10. ALL CONDUCTORS SHALL BE COPPER. NO ALUMINUM ALLOWED UNLESS SPECIFICALLY INDICATED ON DRAWINGS.
11. THE DRAWINGS ARE NOT INTENDED TO SHOW THE EXACT LOCATION OF CONDUIT RUNS. THESE ARE TO BE COORDINATED WITH THE OTHER TRADES SO THAT CONFLICTS ARE AVOIDED PRIOR TO INSTALLATIONS.
12. ALL MOUNTING HARDWARE SHALL BE STAINLESS STEEL.
13. GROUNDING SHALL BE INSTALLED IN ACCORDANCE WITH NEC, ARTICLE 250. THE GROUNDING SYSTEM TEST SHALL NOT EXCEED A 48 HOUR SPAN DRY RESISTANCE OF 5 OHMS. ADDITIONAL GROUNDING TO MEET THIS REQUIREMENT SHALL BE INSTALLED AT NO EXTRA COST. GROUNDING AND BONDING CONNECTIONS SHALL NOT BE PAINTED. ALL GROUNDING CONNECTIONS SHALL BE EXOTHERMIC WELDED UNLESS SPECIFICALLY INDICATED OTHERWISE.
14. AN EQUIPMENT GROUND WIRE SIZED PER NEC SHALL BE PULLED IN ALL ELECTRICAL CONDUITS, POWER AND CONTROL, WHETHER OR NOT INDICATED ON THE PLANS.
15. PROVIDE CONDUIT DUCT SEAL AT ALL CONDUIT ENDS.
16. CONTRACTOR SHALL, WITHIN 30 DAYS AFTER THE DATE OF THE SYSTEM ACCEPTANCE, PROVIDE TO THE BUILDING OWNER RECORD DRAWINGS OF THE ACTUAL INSTALLATION INCLUDING A SINGLE LINE DIAGRAM OF THE ELECTRICAL DISTRIBUTION SYSTEM AND RELATED FLOOR PLANS INDICATING THE LOCATION AND AREA SERVED FOR THE DISTRIBUTION.
17. CONTRACTOR SHALL PROVIDE TO THE OWNER AN OPERATING AND MAINTENANCE MANUAL IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION C405.6.4.2 OF THE 2017 FLORIDA BUILDING CODE – ENERGY CONSERVATION, INCLUDING ANY AMENDMENTS THERETO.
18. CONDUIT SHALL BE ALUMINUM CONDUIT.
19. POWER WIRING SHALL BE 600V THHN/THWN, COPPER.



EXISTING ONE LINE DIAGRAM
120/240V, 1Ø, 3 WIRE



EXISTING PANEL 'A' AND SERVICE POINT

EXISTING PANEL "A" (1)

MOUNTING: SURFACE

SHORT CIRCUIT RATING: 22K AIC

POLES: 30

FED FROM PANEL: MAIN DISC. SW.

VOLT: 240/120V, 1Ø, 3W

MAIN BUS AMPS: 225 A

MAIN BREAKER AMPS: 150 A

MANUFACTURER/TYPE: SQUARE 'D'

CKT	LOAD SERVED	POLE	TRIP	WIRE	COND	AMPS 'A'	AMPS 'B'	AMPS 'A'	AMPS 'B'	COND	WIRE	TRIP	POLE	LOAD SERVED	CKT
1	EXISTING LIGHTING	1	20	8		5.0		7.0			8	20	1	EXISTING LIGHTING	2
3	EXISTING LIGHTING	1	20	8			5.0		7.0		8	20	1	EXISTING LIGHTING	4
5	NEW SIGN LIGHTING	1	20	12		4.0									6
7	SPACE														8
9	EXISTING LIGHTING	2	15	6		7.0		7.0			6	15	2	EXISTING LIGHTING	10
11							7.0		7.0						12
13	EXISTING LIGHTING	2	15	6		7.0		7.0			6	15	2	EXISTING LIGHTING	14
15							7.0		7.0						16
17	EXISTING LIGHTING	2	15	6		7.0					6	15	2	EXISTING LIGHTING	18
19							7.0								20
21	SPACE													SPACE	22
23	SPACE													SPACE	24
25	SPACE													SPACE	26
27	SPACE													SPACE	28
29	SPACE													SPACE	30
CONNECTED AMPS =						30.0	26.0	21.0	21.0						
TOTAL CONNECTED AMPS =						51.0	47.0	11.76 KVA							
(1) MAX 3% VD ON BRANCH CIRCUITS AS PER FBC															

100% SUBMITTAL

Contractor's Non-Prepriced Worksheet



Date: 3/26/2020

Re: Job Order 077746.00

Title Screen Wall at Sunset Harbour Pump Station No. 3

SECTION	ITEM	UOM	DESCRIPTION			
10 00 00 00 00 001			Screen Panel(s) Bo-Mar Industries- Grecian Pattern			
Install Price:	351,040.00	X	Install Quantity:	1.00	=	Install Total: \$351,040.00
					X	Factor: 1.1351
					=	Line Item Total: \$398,465.50

For Work Performed with the Contractor's Own Forces:

- A. _____ Direct Labor Costs through Foreman Level
(Current Prevailing Wage Rate + Published Fringe Benefits)
- B. _____ Direct Material Costs (Supported by 3 Quotes)*
- C. _____ Direct Equipment Costs (For Equipment **NOT** in the CTC)

Total Cost for Self-perform NPP Work Task =

(A+B+C) x Non-Prepriced Work Task Adjustment Factor

*Material Cost Quotes

(Attach quotes from listed suppliers/subcontractors. A Justification Letter must be attached if 3 quotes are not furnished.)

1. _____ \$ _____
2. _____ \$ _____
3. _____ \$ _____

For Work Performed By Subcontractors:

- G. _____ Subcontractor Costs**
(Supported by Quotes) (This Should be the Price Entered into PROGEN)
- H. 1.1351 Contractor's Non Pre-Priced Adjustment Factor
- I. _____ Total Price for NPP Items being Performed by Subcontractors = G x H

**Subcontractor Cost Quotes

(Attach quotes from listed suppliers/subcontractors. A Justification Letter must be attached if 3 quotes are not furnished.)

1. Bo-Mar Industries, Inc. \$ 351,040.00
2. All Dade Fences, Inc. \$ 374,000.00
3. Kreativ Concepts \$ No bid/No response

Convert to Unit Price

bo-mar Industries, Inc.

3838 S Arlington Ave
Indianapolis, IN 46203

Phone: 317-899-1240
Fax: 317-899-1241
Fed ID: 35-1843148

Quote No: 23204
Wednesday, March 18, 2020

Page: 1

Attention: Guy Lesseur

Harbour Construction, Inc

7340 SW 48th Street,
Suite #102
Miami, FL 33155
Phone: 305.603.9944

Guy

Screen Wall At PS No. 3 Miami Beach Fl.

Line: 1

Part ID: STAINLESS STEEL SCREEN WALL

Rev:

Stainless Steel Generator Enclosure.

Custom 1/4" perforated 316 stainless steel panels (custom pattern based on Grecian pattern provided by customer) with galvanized and powder coated steel I-Beam Structure. All stainless steel button head hardware with stainless hex nuts on back side. Custom Paint with wave pattern wrapping outside. Designed to fit existing concrete wall structure. Locating templates will be provided for new cat in place anchors. Front side to be mill finish stainless steel upper with powder coated wave on top of lower colored section. Wave material to be 14 ga material with powder coat finish. Wave to be second layer on top of perforated panels. Wave also includes signage letters in same gauge bolt on design. Back side of panel to be mill finish. (Paint/ powder coat would not be cost effective)

Panels would be 1/4" 316 Stainless Steel with custom finish. I-Beams would be steel W6 x 20 I-beams, galvanized with powder coat finish.

Bomar would want to cut one panel to test stability/ flatness of material after cutting.

Quote based on 1.5 hours per full size sheet waterjet cut time. Final perforated pattern density may affect cut time and price. Full panel yield 1 to 3 panels in overall layout.

I-beams will mount to traffic barrier. Locating templates will be provided to concrete contractor to locate and set cast in place anchors for mounting I-beams. Bomar will drill existing anchors 1'- 4" and use 3/4" stainless steel expoxy set anchors in existing traffic barrier.

Quote has a separate line for PE to approve and sign off on drawings.

Quantity	U/M	Unit Price	Discount	Discounted Unit Price	Addl Charge	Lead Time	Total Price
1.00	EA	287,890.00					\$287,890.00

Line: 3	Part ID: SHIPPING ESTIMATE				Rev:		
Two Direct Soft Sided Trucks							
Estimate only.							
Quantity	U/M	Unit Price	Discount	Discounted Unit Price	Addl Charge	Lead Time	Total Price
1.00	EA	15,000.00					\$15,000.00

bo-mar Industries, Inc.

3838 S Arlington Ave
Indianapolis, IN 46203

Phone: 317-899-1240
Fax: 317-899-1241
Fed ID: 35-1843148

Quote No: 23204

Wednesday, March 18, 2020

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Line: **4** Part ID: **SAMPLE PANEL.** Rev:
Cut Sample for Material Stability
Bomar will cut one full size panel to test material stability with custom cut perf pattern. Panel will be a usable panel if pattern and material remain the same throughout project.

Sample panel cost can be credited back to project if panel is usable in final installation.

Quantity	U/M	Unit Price	Discount	Discounted Unit Price	Addl Charge	Lead Time	Total Price
1.00	EA	6,175.00					\$6,175.00

Line: **5** Part ID: **FLORIDA SALES TAX ESTIMATE** Rev:
7% if applicable to project

Quantity	U/M	Unit Price	Discount	Discounted Unit Price	Addl Charge	Lead Time	Total Price
1.00	EA	8,500.00					\$8,500.00

Line: **6** Part ID: **PE SERVICES** Rev:
Registered Professional Engineer

Quantity	U/M	Unit Price	Discount	Discounted Unit Price	Addl Charge	Lead Time	Total Price
1.00	EA	3,500.00					\$3,500.00

Line: **7** Part ID: **INSTALLATION** Rev:
Bomar Crew

Anchor Support Beams & Attach Panels on top of traffic barrier wall.

Quantity	U/M	Unit Price	Discount	Discounted Unit Price	Addl Charge	Lead Time	Total Price
1.00	EA	29,975.00					\$29,975.00

Salesperson:

Prices are Valid Until Sunday, April 19, 2020

Quote based on all discussions with Stanley Consultants, City of Miami Beech Florida and Bomar Industries. Prints, material, and budget changes have been accounted for in quoted line items. Any additional changes will have additional cost incurred by customer.

Exclusions:

Permits, any bond cost, traffic control, barricades, premium/ overtime hours.

Any cost involved with change in design per code due to wind load, corrosion, or other.

Approximate lead time would be 12-14 weeks.

bo-mar Industries, Inc.

3838 S Arlington Ave
Indianapolis, IN 46203

Phone: 317-899-1240
Fax: 317-899-1241
Fed ID: 35-1843148

Quote No: 23204

Wednesday, March 18, 2020

Page: 3

Quote offered by: Ronson Lepper
Please refer to this quote number when ordering.

SPECIAL NOTE

Due to instability in metals markets, all prices quoted are based on today's cost of material. Bo-mar Industries reserves the right to adjust our selling price to price in effect at the time order is placed. All quotes are subject to material availability at the time order is placed.

Payment terms are to be COD until Bomar account is established and approved.

Above pricing does not include shipping or applicable sales taxes unless stated otherwise.



All Dade Fences, Inc.

2720 West 78th Street

Hialeah, FL 33016

Phone # 305-826-2535

Fax # 305-512-4360

iortega@alldadefences.com

Lic: 98BS00285

Date	Estimate NO.
3/16/2020	11273

Name / Address
Harbour Construction 7340 SW 48 Street, Unit 102 Miami, FL 33155

REP:	Revised
IO	

Description	Qty	Cost	Total
<p>Project: Screen Wall At Pump Station No3</p> <p>Furnished and install hot deep galvanized steel I-Beams W6 x 20 with welded plates. All rod anchor and bolts stainless steel 316.</p> <p>Removable 1/4" Stainless steel screen Grecian pattern customer perforated grille, stainless steel type 316 brush finish. Bottom section of screen with custom paint (gold crest)</p> <p>Removable 1/8" Stainless steel wave shape and signage letters, black paint.</p> <p>Shop Drawing will be provide for approval. Lead time after receipt approval shop drawing 10 week to receive screen materials.</p> <p>Note: Permit are not included.</p>	1	374,000.00	374,000.00

Thank you for your business.	\$374,000.00
"OUR PRIORITY IS YOUR SECURITY"	

Wendy Jaramillo

From: Guy Lesseur <gl@harbourconstruction.com>
Sent: Monday, March 30, 2020 6:31 AM
To: Wendy Jaramillo
Subject: FW: Guy L.-Harbour - PS 3 screens - Construction
Attachments: 2020-02-14 - PS No 3 Screen - 100% Architectural Drawings - Rev 1 - SS.pdf; 2020-02-18 - PS No 3 Screen - 100% Structural Drawings - Rev 1 - SS.pdf; 2020-02-18-PS No 3 Screen - 100% Electrical Drawings -SS.pdf

3rd NPP request. Non responsive

From: Guy Lesseur
Sent: Monday, March 2, 2020 3:31 PM
To: Jonathan Martell <jmartell3008@gmail.com>
Subject: FW: Guy L.-Harbour - PS 3 screens - Construction

Please provide pricing for the Screen Material and installation for the attached