



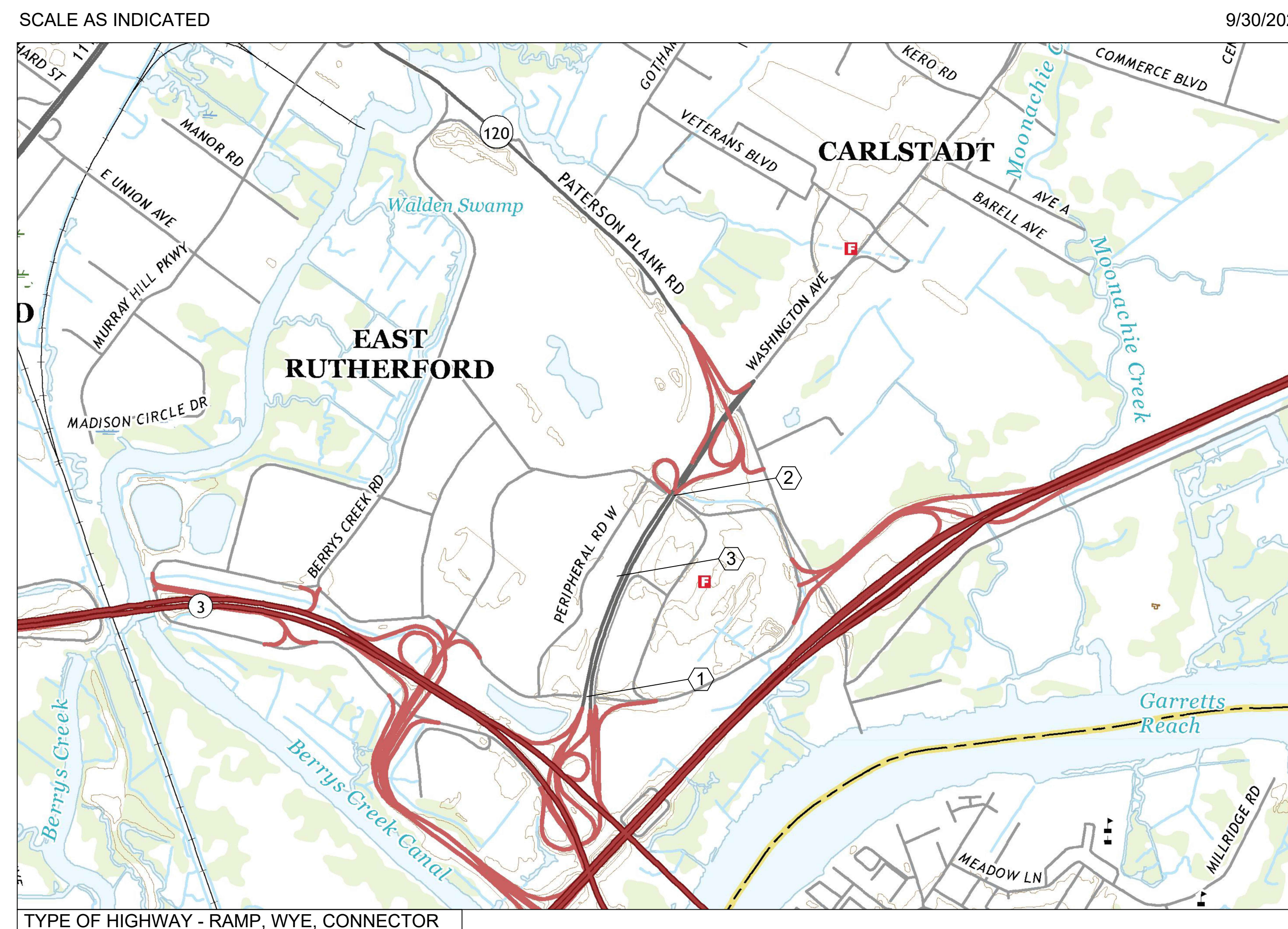
State of New Jersey
New Jersey Sports and Exposition Authority
Complex Operations MetLife Sports Complex
 50 State Route 120 East Rutherford, NJ 07073



PLANS FOR THE
BRIDGE REPAIRS FOR
STRUCTURE NO. 4900-001 SOUTH CONNECTOR ROAD AND RAMP "R" OVER NJ 120
AND
STRUCTURE NO. 4900-002 NORTH CONNECTOR ROAD AND RAMP "F" OVER NJ 120
AND
STRUCTURE NO. 4900-003 PEDESTRIAN BRIDGE OVER NJ 120
IN THE BOROUGH OF EAST RUTHERFORD, BERGEN COUNTY, NEW JERSEY

BRIDGES IN THIS CONTRACT	
①	STRUCTURE NO. 4900-001
②	STRUCTURE NO. 4900-002
③	STRUCTURE NO. 4900-003

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	KEY SHEET
2	GENERAL NOTES & EDQ & CONSTRUCTION LEGEND
3	ESTIMATE DISTRIBUTION OF QUANTITIES
4	SOUTH CONNECTOR GENERAL PLAN AND ELEVATION BRIDGE REPAIRS
5	NORTH CONNECTOR GENERAL PLAN AND ELEVATION BRIDGE REPAIRS
6	PEDESTRIAN BRIDGE GENERAL PLAN & ELEVATION BRIDGE REPAIRS
7	SOUTH CONNECTOR SECTIONS BRIDGE REPAIRS
8	NORTH CONNECTOR SECTIONS BRIDGE REPAIRS
9	PEDESTRIAN BRIDGE SECTIONS BRIDGE REPAIRS
10	SOUTH CONNECTOR TRAFFIC STRIPPING PLAN
11	NORTH CONNECTOR TRAFFIC STRIPPING PLAN
12-21	BRIDGE CONSTRUCTION DETAILS



KEY MAP

SCALE: 1" = 1000'

LENGTH OF SOUTH CONNECTOR PROJECT = 255 LIN. FT.
LENGTH OF NORTH CONNECTOR PROJECT = 245 LIN. FT.
LENGTH OF PEDESTRIAN BRIDGE PROJECT = 795 LIN. FT.

2019 NEW JERSEY DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS
FOR ROAD AND BRIDGE CONSTRUCTION WITH AMENDMENTS TO GOVERN

REV. / ISSUE	DATE	DESCRIPTION

CONSULTANT

ORIENTATION / KEY PLAN

CLIENT
 STATE OF NEW JERSEY
 NEW JERSEY SPORTS AND EXPOSITION AUTHORITY

PS&S PAULUS, SOKOLOWSKI AND SARTOR, LLC.
 3 MOUNTAINVIEW ROAD
 P.O. BOX 4039
 WARREN, NJ 07059
 PHONE: (732) 563-9700
 CERTIFICATE OF AUTHORIZATION NO. 24GA28032700

ALL DIMENSIONS MUST BE VERIFIED BY THE CONTRACTOR. NOTIFY PAULUS, SOKOLOWSKI AND SARTOR, LLC. OF ANY CONFLICTS, ERRORS, OMISSIONS OR DISCREPANCIES IN THE CONTRACT DRAWINGS OR SPECIFICATIONS BEFORE PROCEEDING WITH CONSTRUCTION.
 ALL DIMENSIONS SHALL BE AS NOTED IN WORDS OR NUMBERS ON THE CONTRACT DRAWINGS. DO NOT SCALE THE DRAWINGS TO DETERMINE DIMENSIONS.
 THESE CONTRACT DRAWINGS CONTAIN DATA INTENDED SPECIFICALLY FOR THE NOTED PROJECT AND CLIENT. THEY ARE NOT INTENDED FOR USE OR EXTENSION OF THE PROJECT OR FOR THE COPYING AND/OR MODIFICATION OF THIS DOCUMENT OR ANY PORTION THEREOF WITHOUT THE WRITTEN PERMISSION OF PAULUS, SOKOLOWSKI AND SARTOR, LLC. IS PROHIBITED.
 UNLESS THESE DRAWINGS ARE SPECIFICALLY DESIGNATED AS "CONSTRUCTION ISSUE", THESE DRAWINGS SHALL NOT BE USED FOR CONSTRUCTION OR IMPROVEMENTS DEPICTED HEREIN. CONTRACTORS SHALL NOTIFY THE DESIGN ENGINEER TO OBTAIN CONSTRUCTION DOCUMENTS.
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PROJECT
 NJSEA
 MEADOWLANDS
 STRUCTURE NO. 4900-001
 STRUCTURE NO. 4900-002
 STRUCTURE NO. 4900-003

THE BOROUGH OF EAST RUTHERFORD
 BERGEN COUNTY, NEW JERSEY

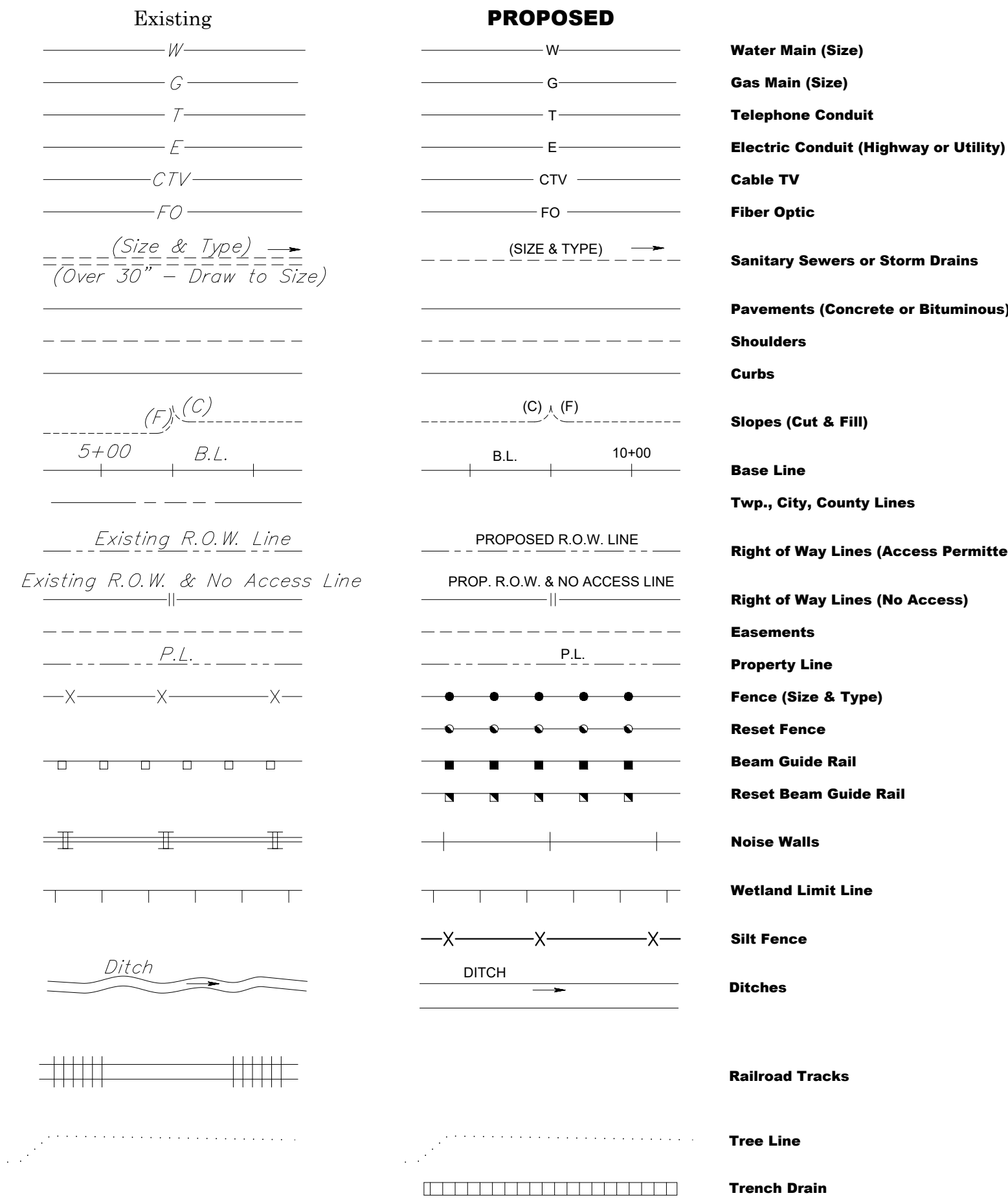
SHEET TITLE
 KEY SHEET

PROJECT NO.: 00823.0040 DRAWN BY: RD
 SCALE: AS SHOWN CHECKED BY: JB
 DATE: 10/11/2024 SHEET 1 OF 21
 SHEET NO. T-001

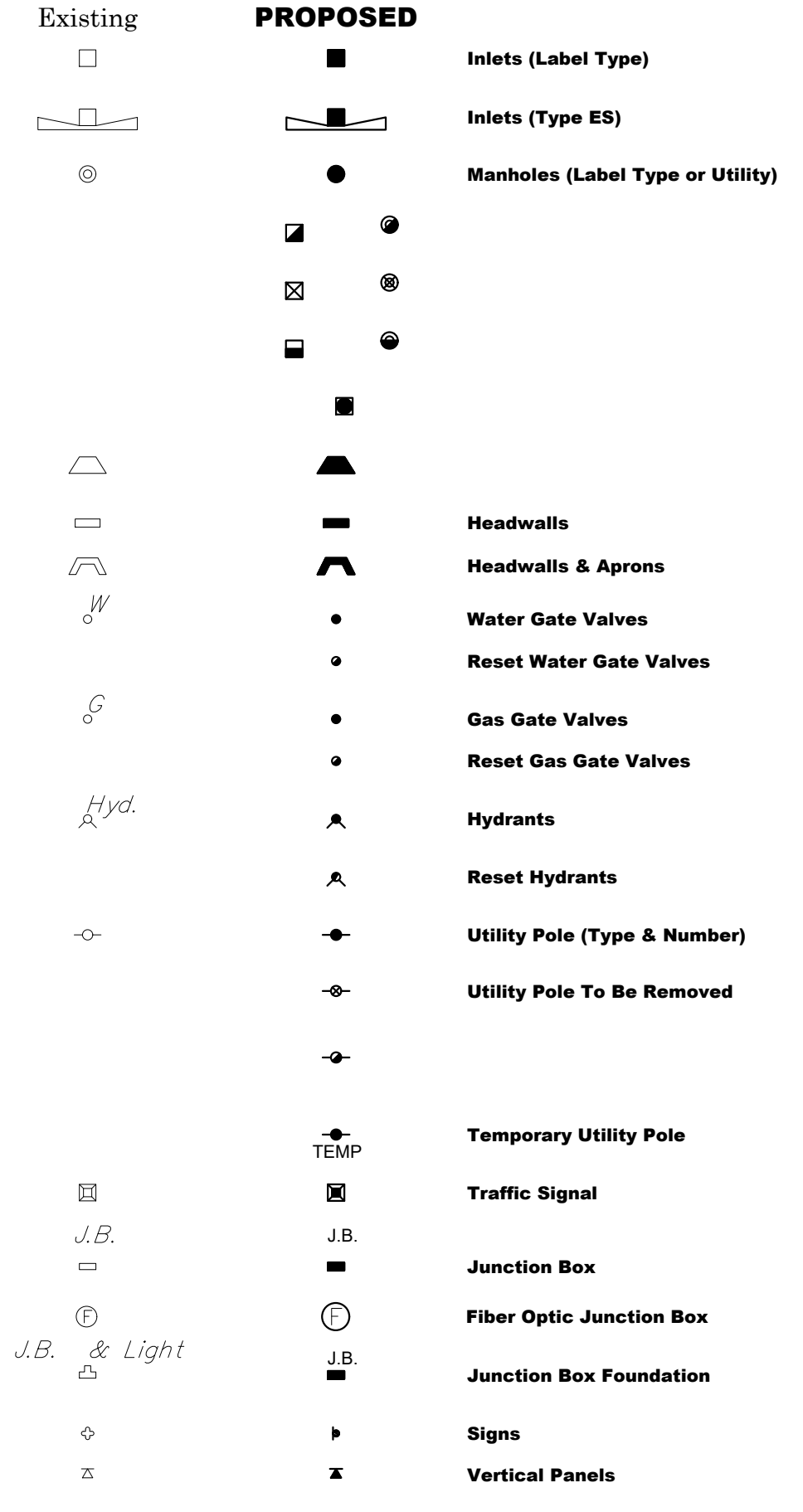
1" = 1000'-0"

NEW JERSEY DEPARTMENT OF TRANSPORTATION STANDARD LEGEND

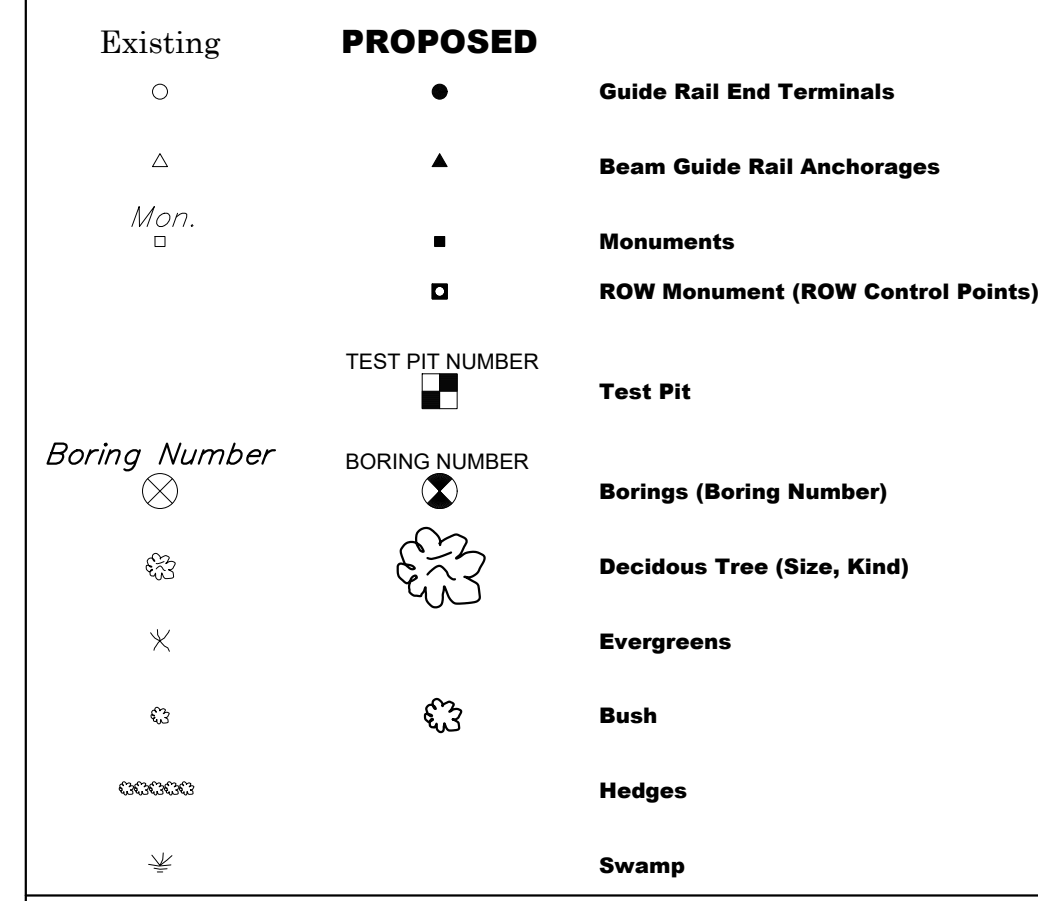
Linear Features



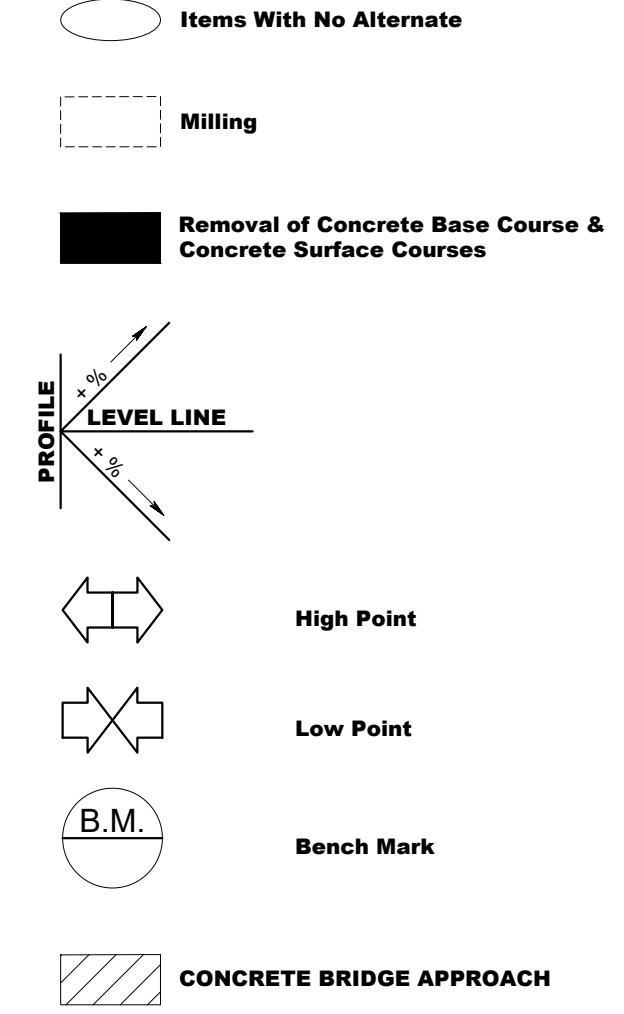
Topographical Features



Topographical Features



Miscellaneous Symbols

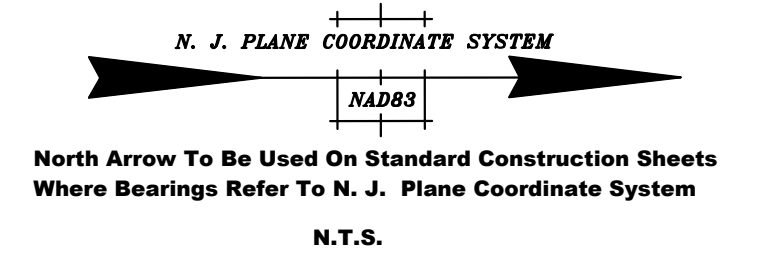


Double Reference Codes

- LE-DOQ - EST. & DIST. OF QTY - ROADWAY
TS - TYPICAL SECTIONS
PSI - PLAN SHEET INDEX
C - CONSTRUCTION PLANS
EP - ENVIRONMENTAL PLANS
D - DRAINAGE PLANS
P - PROFILES
T - TIES
GR - GRADING AND DRAINAGE
TC - TRAFFIC CONTROL (AND STAGING PLANS)
E - ELECTRICAL PLANS
TSP - TRAFFIC SIGNAL PLANS
HL - HIGHWAY LIGHTING PLANS
L - LANDSCAPE PLANS
SL - SIGN LOCATION PLANS
SS - TRAFFIC SIGNING AND STRIPING PLANS
STD - SIGN TEXT DETAILS
MS - METHOD OF CROSS SECTIONS
X - CROSS SECTIONS
DTL - CONSTRUCTION DETAILS
AR - ARCHITECTURAL PLANS
EQQB - ESTIMATE OF QUANTITIES - BRIDGE
B - BRIDGE PLANS

ABBREVIATIONS USED IN THIS CONTRACT

Table with columns for abbreviations and their corresponding full names, including terms like B.L., B.M., B.T., BIT., BITUM., BLDG., C.L., C.I.P., C.M.P., CONC., CULV., D.C., D.E., DEP., DP, DH, DWY, EL., ELEV., EXIST., GR., HT., H.W., HYD., INV., IP, HP, LP, etc.



GENERAL NOTES:

- 1. CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE 2019 NJDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS AMENDED BY THE SPECIFICATIONS.
2. ALL WORK IS TO BE PERFORMED IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY.
3. THE CONTRACTOR SHALL EXAMINE AND VERIFY IN THE FIELD ALL EXISTING CONDITIONS, DIMENSIONS, PIPE SIZES, AND ELEVATIONS WITH THOSE SHOWN ON THE PLANS...
11. THE PROPOSED LAYOUT OF STRIPING AND PAVEMENT MARKINGS SHALL BE MARKED IN THE FIELD AND APPROVED BY THE RESIDENT ENGINEER PRIOR TO INSTALLATION.

Table with columns for REV./ISSUE, DATE, and DESCRIPTION.

CONSULTANT

ORIENTATION / KEY PLAN

CLIENT
STATE OF NEW JERSEY
NEW JERSEY SPORTS AND EXPOSITION AUTHORITY

PAULUS, SOKOLOWSKI AND SARTOR, LLC.
3 MOUNTAINVIEW ROAD
P.O. BOX 4039
WARREN, NJ 07059
PHONE: (732) 563-9700

CERTIFICATE OF AUTHORIZATION NO. 24G28032700
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THESE CONTRACT DRAWINGS CONTAIN DATA ANTIDATED SPECIFICALLY FOR THE NOTED PROJECT AND CLIENT...
UNLESS THESE DRAWINGS ARE SPECIFICALLY DESIGNATED AS "CONSTRUCTION ISSUES", THESE DRAWINGS SHALL NOT BE USED FOR CONSTRUCTION OR IMPROVEMENTS EXCEPT HEREIN.


PROJECT
NJSEA
MEADOWLANDS
STRUCTURE NO. 4900-001
STRUCTURE NO. 4900-002
STRUCTURE NO. 4900-003

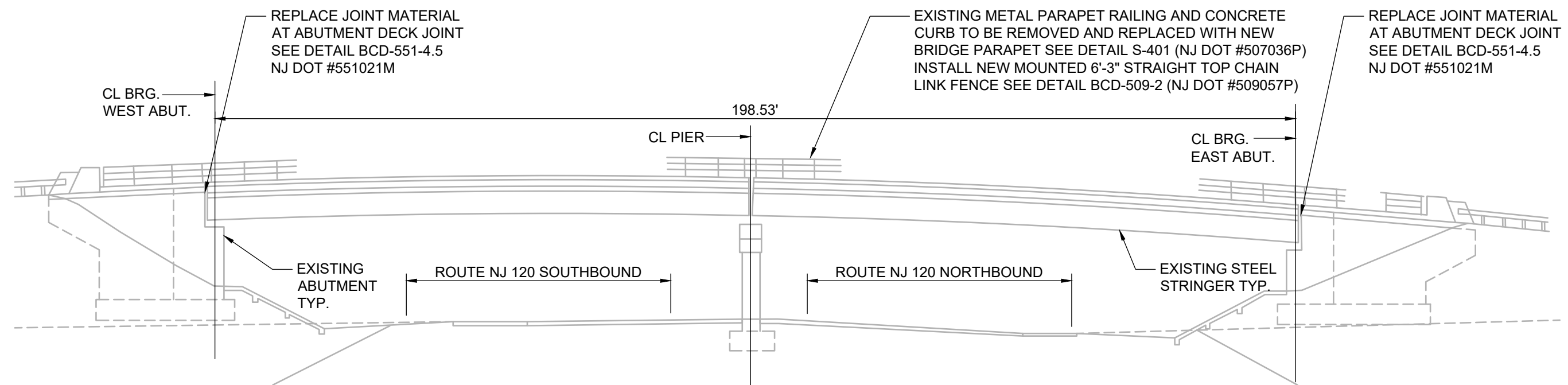
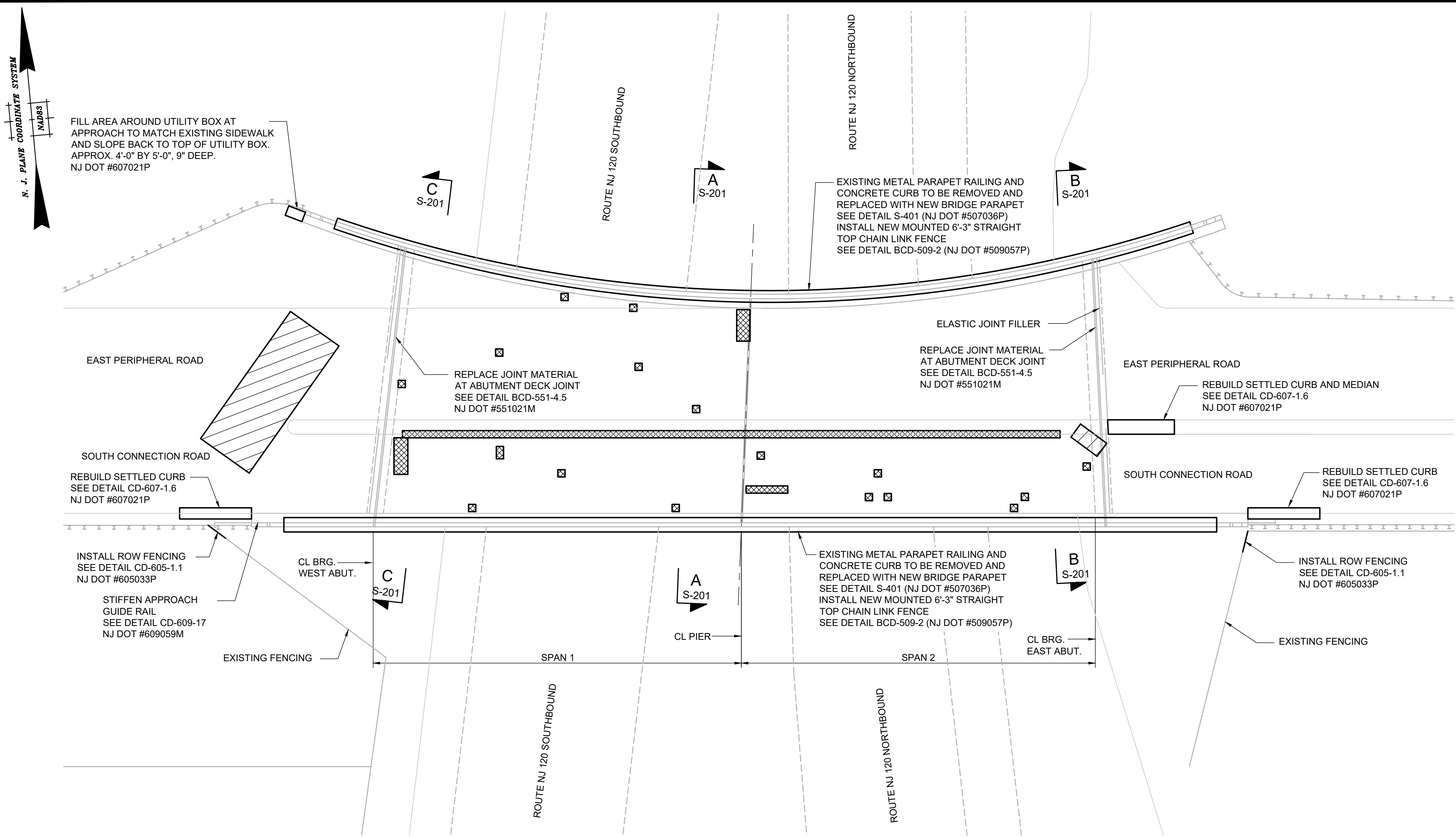
SHEET TITLE
GENERAL NOTES, AND CONSTRUCTION LEGEND

PROJECT NO.: 00823.0040 DRAWN BY: RD
SCALE: AS SHOWN CHECKED BY: JB
DATE: 10/11/2024 SHEET 2 OF 21
SHEET NO. S-100

\\njs-e-01\projects\00823\0040\DWG\AS-Struct-S-100A.dwg
Oct 11, 2024 - 7:46pm

SEQ. NO.	DOT ITEM NO.	DESCRIPTION	UNIT	CONTRACT QUANTITY	PLAN SHEET TOTALS	IF & WHERE DIRECTED	AS-BUILT QUANTITY
SOUTH CONNECTOR ROAD AND RAMP "R" OVER NJ 120 (STRUCTURE NO.: 4900-001)							
1	154009P	MOBILIZATION	LS	1	1		
2	159NS1M	MAINTENANCE AND PROTECTION OF TRAFFIC	LS	1	1		
3	157004M	CONSTRUCTION LAYOUT	DOL	1	1		
4	158072M	OIL-ONLY EMERGENCY SPILL KIT, TYPE 1	U	1	1		
5	201006P	CLEARING SITE	LS	1	1		
6	201039P	TEMPORARY SHIELDING	LS	1	1		
7	504036P	EPOXY WATERPROOFING	SY	38	38		
8	507036P	CONCRETE BRIDGE PARAPET	LF	396	-	396	
9	509057P	CHAIN-LINK FENCE, GALVANIZED STEEL, BRIDGE, 6'-3" HIGH	LF	396	-	396	
10	605033P	CHAIN-LINK FENCE, PVC-COATED STEEL, 8' HIGH	LF	12	12		
11	551006M	CONCRETE DECK REPAIR, TYPE B	SF	125	125		
12	554003P	POLLUTION CONTROL SYSTEM	LS	1	-	1	
13	554009P	NEAR-WHITE BLAST CLEANING AND PAINTING	LS	1	-	1	
14	554012P	TESTING, IF AND WHERE DIRECTED	LS	1	-	1	
15	552003M	PRESSURE INJECTION, CONCRETE CRACKS	LF	220	220		
16	553003M	SPALL REPAIRS	SF	875	875		
17	609059M	APPROACH GUIDE RAIL TRANSITION TL-3	U	1	1		
18	551021M	HEADER RECONSTRUCTION	LF	130	130		
19	607021P	9"x18" CONCRETE VERTICAL CURB	LF	95	95		
20	610003M	TRAFFIC STRIPES, 4"	LF	1130	1130		
NORTH CONNECTOR ROAD AND RAMP "F" OVER NJ 120 (STRUCTURE NO.: 4900-002)							
21	154009P	MOBILIZATION	LS	1	1		
22	159NS1M	MAINTENANCE AND PROTECTION OF TRAFFIC	LS	1	1		
23	157004M	CONSTRUCTION LAYOUT	DOL	1	1		
24	158072M	OIL-ONLY EMERGENCY SPILL KIT, TYPE 1	U	1	1		
25	201006P	CLEARING SITE	LS	1	1		
26	201039P	TEMPORARY SHIELDING	LS	1	1		
27	504036P	EPOXY WATERPROOFING	SY	52	52		
28	507036P	CONCRETE BRIDGE PARAPET	LF	372	-	372	
29	509057P	CHAIN-LINK FENCE, GALVANIZED STEEL, BRIDGE, 6'-3" HIGH	LF	372	-	372	
30	551006M	CONCRETE DECK REPAIR, TYPE B	SF	15	15		
31	554003P	POLLUTION CONTROL SYSTEM	LS	1	-	1	
32	554009P	NEAR-WHITE BLAST CLEANING AND PAINTING	LS	1	-	1	
33	554012P	TESTING, IF AND WHERE DIRECTED	LS	1	-	1	
34	552003M	PRESSURE INJECTION, CONCRETE CRACKS	LF	508	508		
35	553003M	SPALL REPAIRS	SF	190	190		
36	603017P	RIPRAP STONE SLOPE PROTECTION, 12" THICK (D50= 6")	SY	4	4		
37	609003M	BEAM GUIDE RAIL	LF	15	15		
38	512007M	REMOVE/REINSTALL EXISTING BRIDGE MOUNTED SIGN	LS	1	1		
39	610003M	TRAFFIC STRIPES, 4"	LF	1235	1235		
PEDESTRIAN BRIDGE OVER NJ 120 (STRUCTURE NO.: 4900-003)							
40	154009P	MOBILIZATION	LS	1	1		
41	159NS1M	MAINTENANCE AND PROTECTION OF TRAFFIC	LS	1	1		
42	157004M	CONSTRUCTION LAYOUT	DOL	1	1		
43	158072M	OIL-ONLY EMERGENCY SPILL KIT, TYPE 1	U	1	1		
44	201006P	CLEARING SITE	LS	1	1		
45	201039P	TEMPORARY SHIELDING	LS	1	1		
46	553003M	SPALL REPAIRS	SF	10	10		
47	506018P	STEEL PEDESTRIAN BRIDGE	LS	1	1		
48	508006M	SCUPPER	LS	1	1		
49	506011M	ANCHOR BOLT INSTALLATION	LS	1	1		

REV. / ISSUE	DATE	DESCRIPTION
CONSULTANT		
ORIENTATION / KEY PLAN		
CLIENT		
STATE OF NEW JERSEY NEW JERSEY SPORTS AND EXPOSITION AUTHORITY		
 PAULUS, SOKOLOWSKI AND SARTOR, LLC. 3 MOUNTAINVIEW ROAD P.O. BOX 4039 WARREN, NJ 07059 PHONE: (732) 563-0700 CERTIFICATE OF AUTHORIZATION NO. 24G428032700		
<small>ALL DIMENSIONS MUST BE VERIFIED BY THE CONTRACTOR. NOTIFY PAULUS, SOKOLOWSKI AND SARTOR, LLC. OF ANY CONFLICTS, ERRORS, OMISSIONS OR DISCREPANCIES IN THE CONTRACT DRAWINGS OR SPECIFICATIONS BEFORE PROCEEDING WITH CONSTRUCTION. ALL DIMENSIONS SHALL BE AS NOTED IN WORDS OR NUMBERS ON THE CONTRACT DRAWINGS. DO NOT SCALE THE DRAWINGS TO DETERMINE DIMENSIONS. THESE CONTRACT DRAWINGS CONTAIN DATA INTENDED SPECIFICALLY FOR THE NOTED PROJECT AND CLIENT. THEY ARE NOT INTENDED FOR USE ON EXTENSIONS OF THE PROJECT OR FOR REUSE ON ANY OTHER PROJECT. THE COPYING AND/OR MODIFICATION OF THIS DOCUMENT OR ANY PORTION THEREOF WITHOUT THE WRITTEN PERMISSION OF PAULUS, SOKOLOWSKI AND SARTOR, LLC. IS PROHIBITED. UNLESS THESE DRAWINGS ARE SPECIFICALLY DESIGNATED AS "CONSTRUCTION ISSUES", THESE DRAWINGS SHALL NOT BE USED FOR CONSTRUCTION OR IMPROVEMENTS DIRECTED HEREIN. CONTRACTORS SHALL NOTIFY THE DESIGN ENGINEER TO OBTAIN CONSTRUCTION DOCUMENTS. COPYRIGHT 2024 PAULUS, SOKOLOWSKI AND SARTOR, LLC. ALL RIGHTS RESERVED.</small>		
PROJECT		
NJSEA MEADOWLANDS STRUCTURE NO. 4900-001 STRUCTURE NO. 4900-002 STRUCTURE NO. 4900-003 <small>THE BOROUGH OF EST RUTHERFORD BERGEN COUNTY, NEW JERSEY</small>		
SHEET TITLE		
ESTIMATE-DISTRIBUTION OF QUANTITIES		
<small>PROJECT NO.: 00823.0040 DRAWN BY: RD SCALE: AS SHOWN CHECKED BY: JB DATE: 10/11/2024 SHEET 3 OF 21 SHEET NO. EDQ-1</small>		



LEGEND

- APPROXIMATE LIMITS OF EXISTING SPALLS TO BE REPAIRED
SEE DETAIL BCD-551-1.1
NJ DOT #551006M
- APPROXIMATE LIMITS OF EXISTING CRACKS TO BE REPAIRED
SEE DRAWING S-401.
NJ DOT #552003M

NOTES:

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- NO DISCOVERY OF UNDERGROUND UTILITIES HAS BEEN PERFORMED WITHIN THE PROJECT LIMITS. PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL REQUEST A MARK-OUT OF EXISTING UTILITIES THROUGH THE NEW JERSEY ONE-CALL SYSTEM AND PERFORM ALL UTILITY COORDINATION FOR THE PROJECT IN ACCORDANCE WITH SUBSECTION 105.07 OF THE SPECIAL PROVISIONS. DAMAGE IMPOSED TO EXISTING UTILITY FACILITIES BY THE CONTRACTOR SHALL BE REPAIR BY THE CONTRACTOR AT NOT ADDITIONAL COST TO THE STATE.
- ORIGINAL CONSTRUCTION DRAWINGS ARE AVAILABLE FOR THE STRUCTURE.
- PROVIDE THE RE WITH THE MEANS FOR ACCESSING ALL AREAS OF THE BRIDGE FOR DELINEATING THE REPAIRS AND INSPECTING WORK. ALL COSTS ASSOCIATED WITH PROVIDING THE RE WITH ACCESS TO ALL AREAS OF THE BRIDGE SHALL BE INCLUDED IN THE VARIOUS PAY ITEMS IN THE PROJECT.
- EXISTING MEDIAN AND CURB TO BE DEMOLISHED, APPROXIMATELY 6'-0" IN LENGTH, AND REBUILT. PROPOSED MEDIAN AND CURBS ARE TO BE SLOPED TO MATCH EXISTING MEDIAN AND CURB AT THE ELASTIC JOINT.

DOT ITEM NO.	PAY ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN SHEET TOTALS	IF & WHERE DIRECTED	AS-BUILT QUANTITY
504036P	7	EPOXY WATERPROOFING	SY	38		
507036P	8	CONCRETE BRIDGE PARAPET	LF	-	396	
509057P	9	CHAIN-LINK FENCE, GALVANIZED STEEL, BRIDGE, 6'-3" HIGH	LF	-	396	
605033P	10	CHAIN-LINK FENCE, PVC-COATED STEEL, 8' HIGH	LF	12		
551006M	11	CONCRETE DECK REPAIR, TYPE B	SF	125		
554003P	12	POLLUTION CONTROL SYSTEM	LS	-	1	
554009P	13	NEAR-WHITE BLAST CLEANING AND PAINTING	LS	-	1	
554012P	14	TESTING, IF AND WHERE DIRECTED	LS	-	1	
552003M	15	PRESSURE INJECTION, CONCRETE CRACKS	LF	220		
553003M	16	SPALL REPAIRS	SF	875		
609059M	17	APPROACH GUIDE RAIL TRANSITION TL-3	U	1		
551021M	18	HEADER RECONSTRUCTION	LF	130		
607021P	19	9"x18" CONCRETE VERTICAL CURB	LF	95		
610003M	20	TRAFFIC STRIPES, 4"	LF	1130		



INSTALL ROW FENCING AT SOUTHWEST AND SOUTHEAST BRIDGE CORNERS TO PREVENT PEDESTRIAN ACCESS TO NJ 120



REPAIR DEEP SPALLS AT SPAN 2 IN EASTBOUND LANES NEAR PIER DECK JOINT



SEAL THE CRACK IN TOP OF DECK



REPAIR THE SPALLS IN THE TOP OF DECK AND ABUTMENT DECK JOINT HEADERS



SEAL THE WIDE CRACKS IN THE WEST APPROACH ROADWAY PAVEMENT



REPAIR SPALLED CURBS



REBUILD THE SETTLED MEDIAN AND CURBS IN THE EAST APPROACH



FILL AREA AROUND UTILITY BOX AT NORTHWEST APPROACH



REBUILD THE SETTLED SOUTHWEST AND SOUTHEAST APPROACH CURBS



REPLACE SETTLED/TORN JOINT MATERIAL AT BOTH ABUTMENT DECK JOINTS

REV. / ISSUE	DATE	DESCRIPTION

CONSULTANT

ORIENTATION / KEY PLAN

CLIENT

STATE OF NEW JERSEY
NEW JERSEY SPORTS AND EXPOSITION AUTHORITY

PS&S PAULUS, SOKOLOWSKI AND SARTOR, LLC.
3 MOUNTAINVIEW ROAD
P.O. BOX 4039
WARREN, NJ 07059
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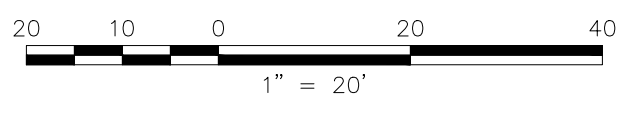
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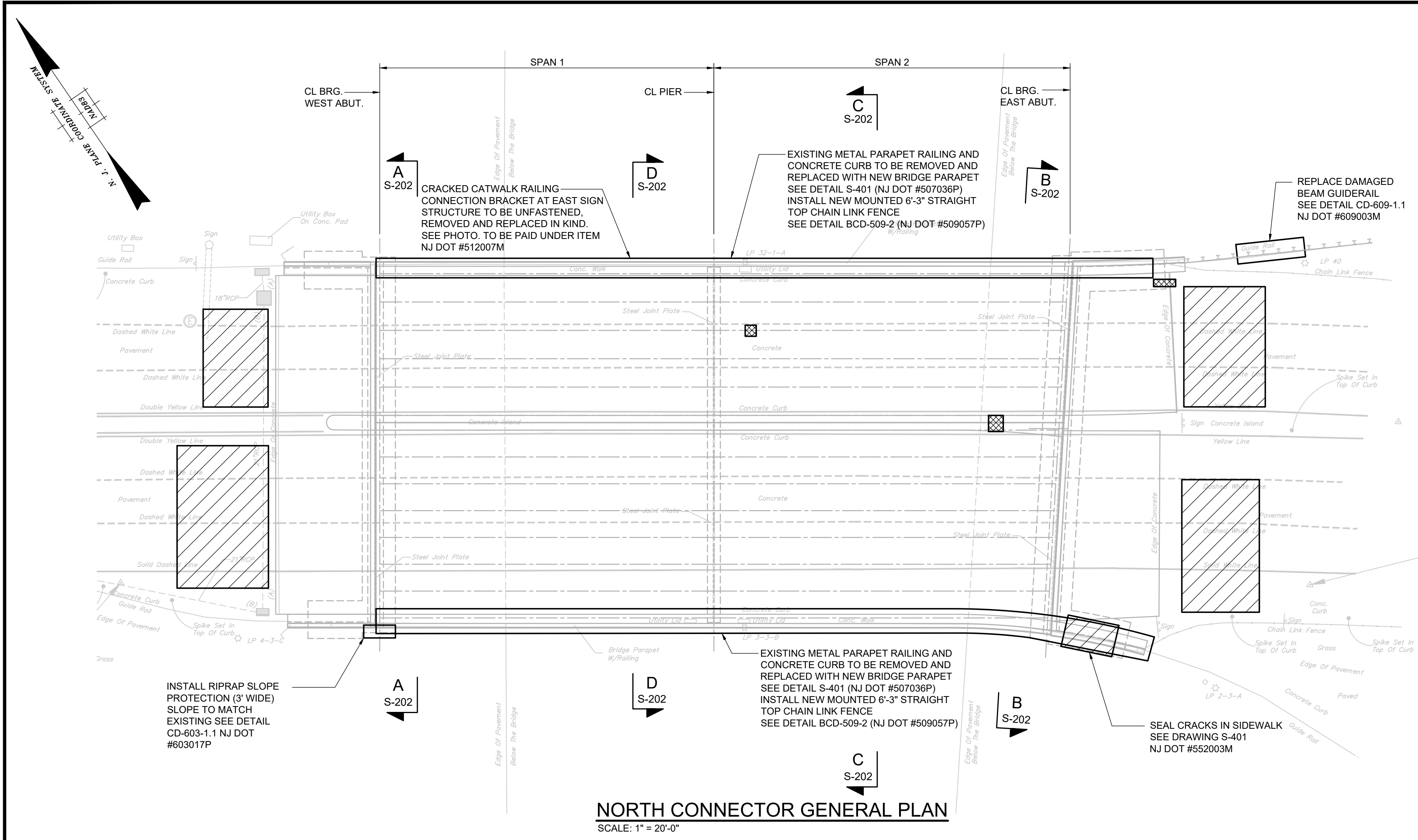
PROJECT
NJSEA
MEADOWLANDS
STRUCTURE NO. 4900-001
SOUTH CONNECTOR ROAD AND RAMP "R" OVER NJ 120
THE BOROUGH OF EAST RUTHERFORD
BERGEN COUNTY, NEW JERSEY

SHEET TITLE

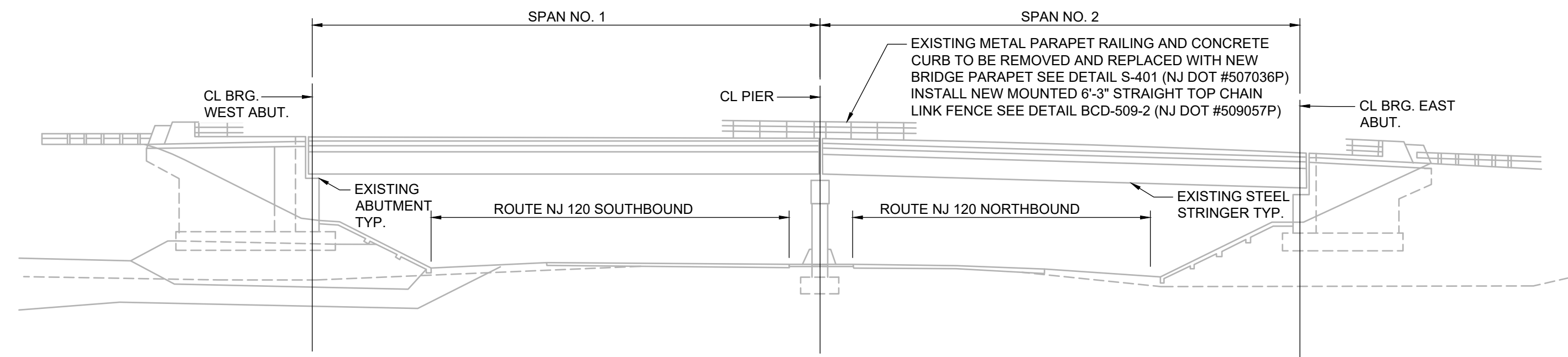
SOUTH CONNECTOR GENERAL PLAN & ELEVATION BRIDGE REPAIRS

PROJECT NO.: 00823.0040 | DRAWN BY: RD
SCALE: AS SHOWN | CHECKED BY: JB
DATE: 10/11/2024 | SHEET 4 OF 21
SHEET NO. **S-101**





NORTH CONNECTOR GENERAL PLAN
SCALE: 1" = 20'-0"



NORTH CONNECTOR GENERAL ELEVATION
SCALE: 1" = 20'-0"

- LEGEND**
- APPROXIMATE LIMITS OF EXISTING SPALLS TO BE REPAIRED SEE DETAIL BCD-551-1.1 NJ DOT #551006M
 - APPROXIMATE LIMITS OF EXISTING CRACKS TO BE REPAIRED SEE DRAWING S-401. NJ DOT #552003M

- NOTES:**
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 3. ORIGINAL CONSTRUCTION DRAWINGS ARE AVAILABLE FOR THE STRUCTURE.
 4. PROVIDE THE RE WITH THE MEANS FOR ACCESSING ALL AREAS OF THE BRIDGE FOR DELINEATING THE REPAIRS AND INSPECTING WORK. ALL COSTS ASSOCIATED WITH PROVIDING THE RE WITH ACCESS TO ALL AREAS OF THE BRIDGE SHALL BE INCLUDED IN THE VARIOUS PAY ITEMS IN THE PROJECT.

DOT ITEM NO.	PAY ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN SHEET TOTALS	IF & WHERE DIRECTED	AS-BUILT QUANTITY
504036P	27	EPOXY WATERPROOFING	SY	52		
507036P	28	CONCRETE BRIDGE PARAPET	LF	-	372	
509057P	29	CHAIN-LINK FENCE, GALVANIZED STEEL, BRIDGE, 6'-3" HIGH	LF	-	372	
551006M	30	CONCRETE DECK REPAIR, TYPE B	SF	15		
554003P	31	POLLUTION CONTROL SYSTEM	LS	-	1	
554009P	32	NEAR-WHITE BLAST CLEANING AND PAINTING	LS	-	1	
554012P	33	TESTING, IF AND WHERE DIRECTED	LS	-	1	
552003M	34	PRESSURE INJECTION, CONCRETE CRACKS	LF	508		
553003M	35	SPALL REPAIRS	SF	190		
603017P	36	RIPRAP STONE SLOPE PROTECTION, 12" THICK (D50=6")	SY	4		
609003M	37	BEAM GUIDE RAIL	LF	15		
512007M	38	REMOVE/REINSTALL EXISTING BRIDGE MOUNTED SIGN	LS	1		
610003M	39	TRAFFIC STRIPES, 4"	LF	1235		



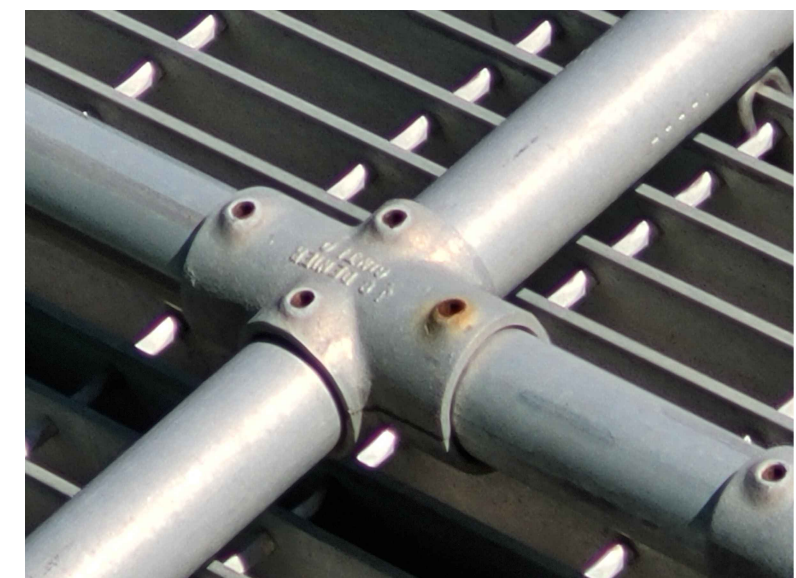
REPAIR SPALLS ON TOP OF DECK AND CURBS



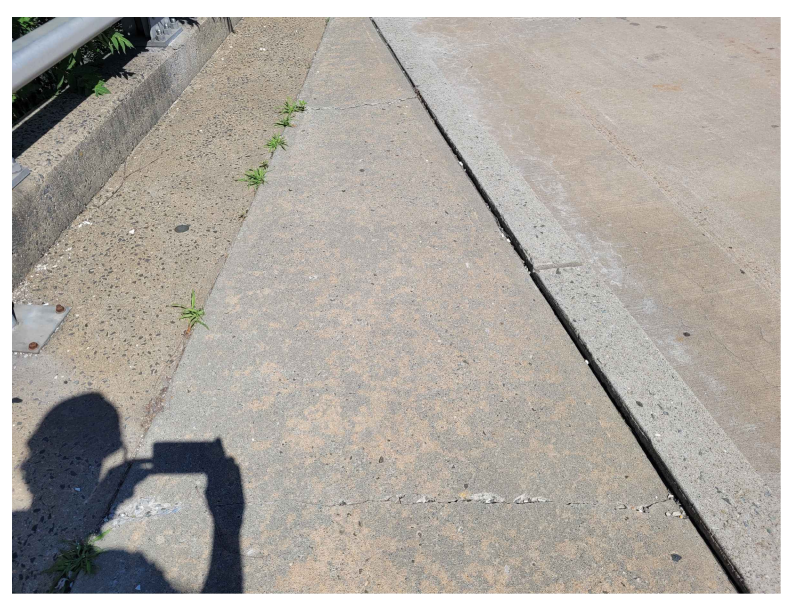
SEAL THE SIDE CRACKS IN THE PAVEMENT AT BOTH APPROACHES



FILL THE AREAS OF EROSION ADJACENT TO ABUTMENT SLOPE PROTECTION WITH RIP RAP



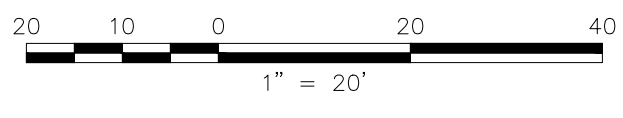
REPLACE THE CRACKED CATWALK RAILING CONNECTION BRACKET AT SPAN 1 NORTH FASCIA, EAST SIGN STRUCTURE



SEAL THE CRACKS IN SOUTHEAST APPROACH SIDEWALK



REPLACE THE DAMAGED NORTHEAST APPROACH GUIDERAIL

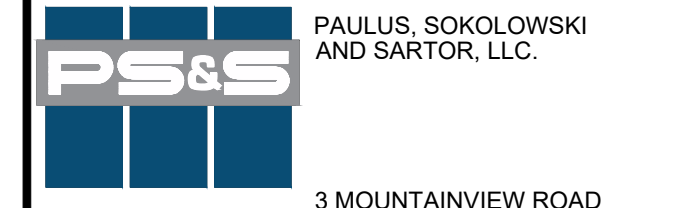


REV. / ISSUE	DATE	DESCRIPTION

CONSULTANT

ORIENTATION / KEY PLAN

CLIENT
STATE OF NEW JERSEY
NEW JERSEY SPORTS AND EXPOSITION AUTHORITY



PAULUS, SOKOLOWSKI AND SARTOR, LLC.
3 MOUNTAINVIEW ROAD
P.O. BOX 4039
WARREN, NJ 07059
PHONE: (732) 563-9700
CERTIFICATE OF AUTHORIZATION NO. 24GA28032700

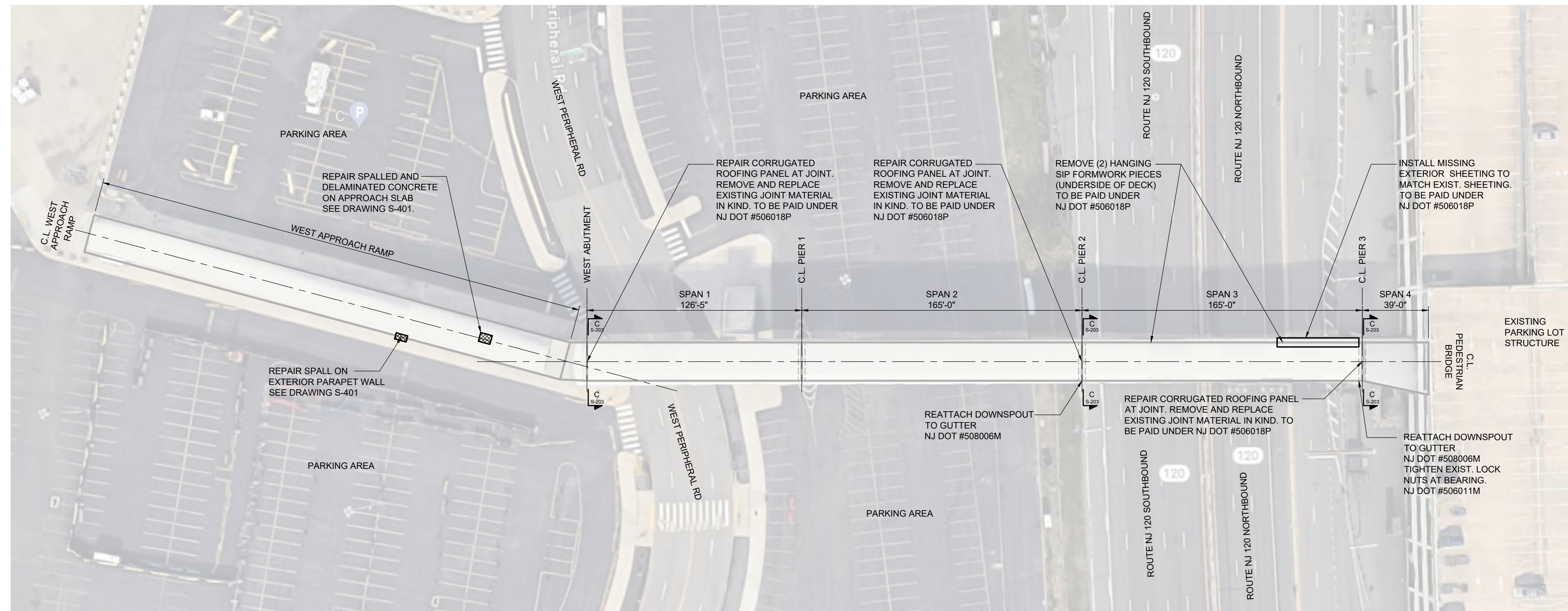
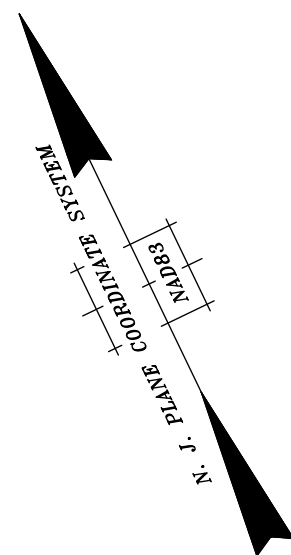
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PROJECT
NJSEA MEADOWLANDS STRUCTURE NO. 4900-002 NORTH CONNECTOR ROAD AND RAMP "F" OVER NJ 120
THE BOROUGH OF EAST RUTHERFORD BERGEN COUNTY, NEW JERSEY

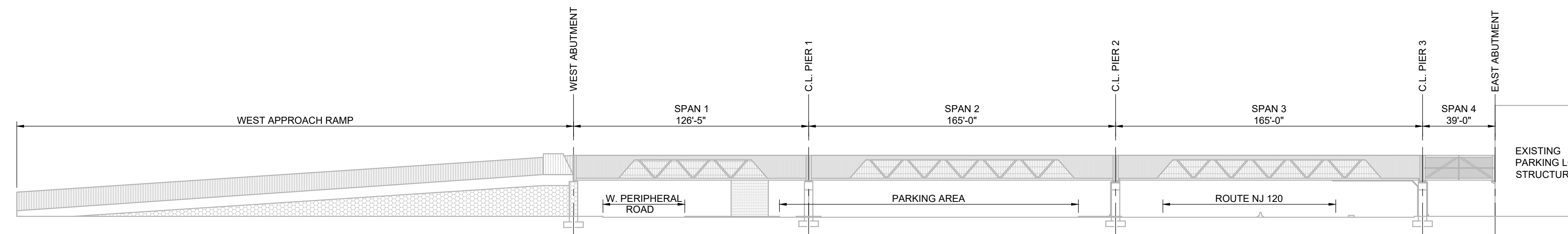
SHEET TITLE
NORTH CONNECTOR GENERAL PLAN & ELEVATION BRIDGE REPAIRS

PROJECT NO.: 00823.0040 DRAWN BY: RD
SCALE: AS SHOWN CHECKED BY: JB
DATE: 10/11/2024 SHEET 5 OF 21
SHEET NO.

S-102



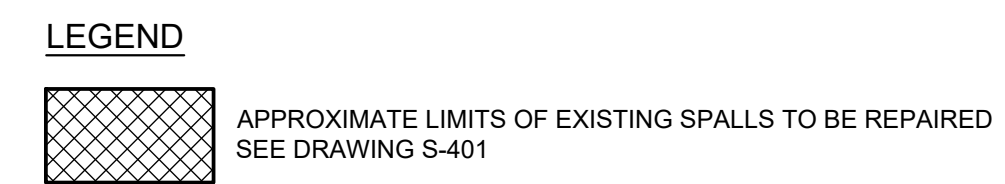
PEDESTRIAN BRIDGE GENERAL PLAN
SCALE: 1" = 20'-0"



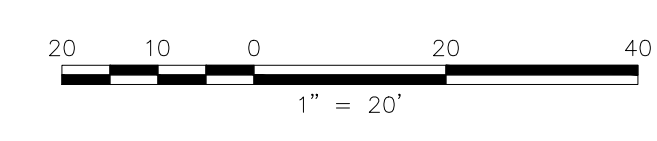
PEDESTRIAN BRIDGE GENERAL ELEVATION (LOOKING NORTH)
SCALE: 1" = 20'-0"

NOTES:
1. SEE SHEET S-203 FOR REPAIR LOCATIONS.

DOT ITEM NO.	PAY ITEM NO.	TO BE CONSTRUCTED	UNIT	PLAN SHEET TOTALS	IF & WHERE DIRECTED	AS-BUILT QUANTITY
553003M	46	SPALL REPAIRS	SF	10		
506018P	47	STEEL PEDESTRIAN BRIDGE	LS	1		
508006M	48	SCUPPER	LS	1		
506011M	49	ANCHOR BOLT INSTALLATION	LS	1		



- NOTES:**
- THE INFORMATION PRESENTED HEREON IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT GUARANTEED TO BE CORRECT. BIDDERS SHALL VISIT THE SITE BEFORE SUBMITTING BIDS TO ASCERTAIN THE EXTENT OF WORK.
 - NO DISCOVERY OF UNDERGROUND UTILITIES HAS BEEN PERFORMED WITHIN THE PROJECT LIMITS. PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL REQUEST A MARK-OUT OF EXISTING UTILITIES THROUGH THE NEW JERSEY ONE-CALL SYSTEM AND PERFORM ALL UTILITY COORDINATION FOR THE PROJECT IN ACCORDANCE WITH SUBSECTION 105.07 OF THE SPECIAL PROVISIONS. DAMAGE IMPOSED TO EXISTING UTILITY FACILITIES BY THE CONTRACTOR SHALL BE REPAIR BY THE CONTRACTOR AT NOT ADDITIONAL COST TO THE STATE.
 - PROVIDE THE RE WITH THE MEANS FOR ACCESSING ALL AREAS OF THE BRIDGE FOR DELINEATING THE REPAIRS AND INSPECTING WORK. ALL COSTS ASSOCIATED WITH PROVIDING THE RE WITH ACCESS TO ALL AREAS OF THE BRIDGE SHALL BE INCLUDED IN THE VARIOUS PAY ITEMS IN THE PROJECT.



REV. / ISSUE	DATE	DESCRIPTION

CONSULTANT

ORIENTATION / KEY PLAN

CLIENT
STATE OF NEW JERSEY
NEW JERSEY SPORTS AND EXPOSITION AUTHORITY

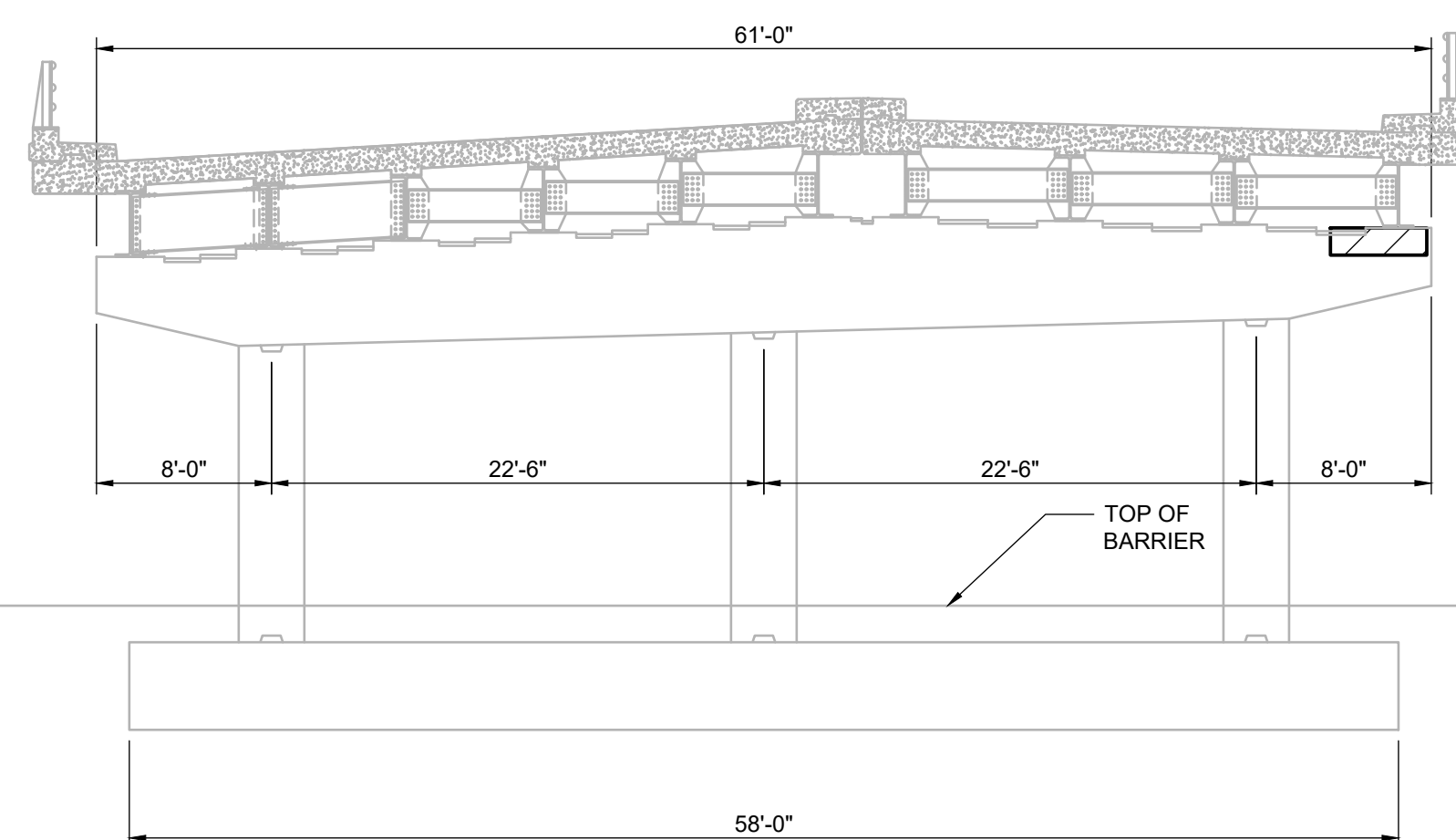
PS&S PAULUS, SOKOLOWSKI AND SARTOR, LLC.
3 MOUNTAINVIEW ROAD
P.O. BOX 4039
WARREN, NJ 07059
PHONE: (732) 563-9700
CERTIFICATE OF AUTHORIZATION NO. 24GA28032700

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PROJECT
**NJSEA
MEADOWLANDS
STRUCTURE NO. 4900-003
PEDESTRIAN BRIDGE
OVER NJ 120**
THE BOROUGH OF EAST RUTHERFORD
BERGEN COUNTY, NEW JERSEY

SHEET TITLE
**PEDESTRIAN BRIDGE
GENERAL PLAN &
ELEVATION
BRIDGE REPAIRS**

PROJECT NO.: 00823.0040 DRAWN BY: RD
SCALE: AS SHOWN CHECKED BY: JB
DATE: 10/11/2024 SHEET 6 OF 21
SHEET NO. **S-103**

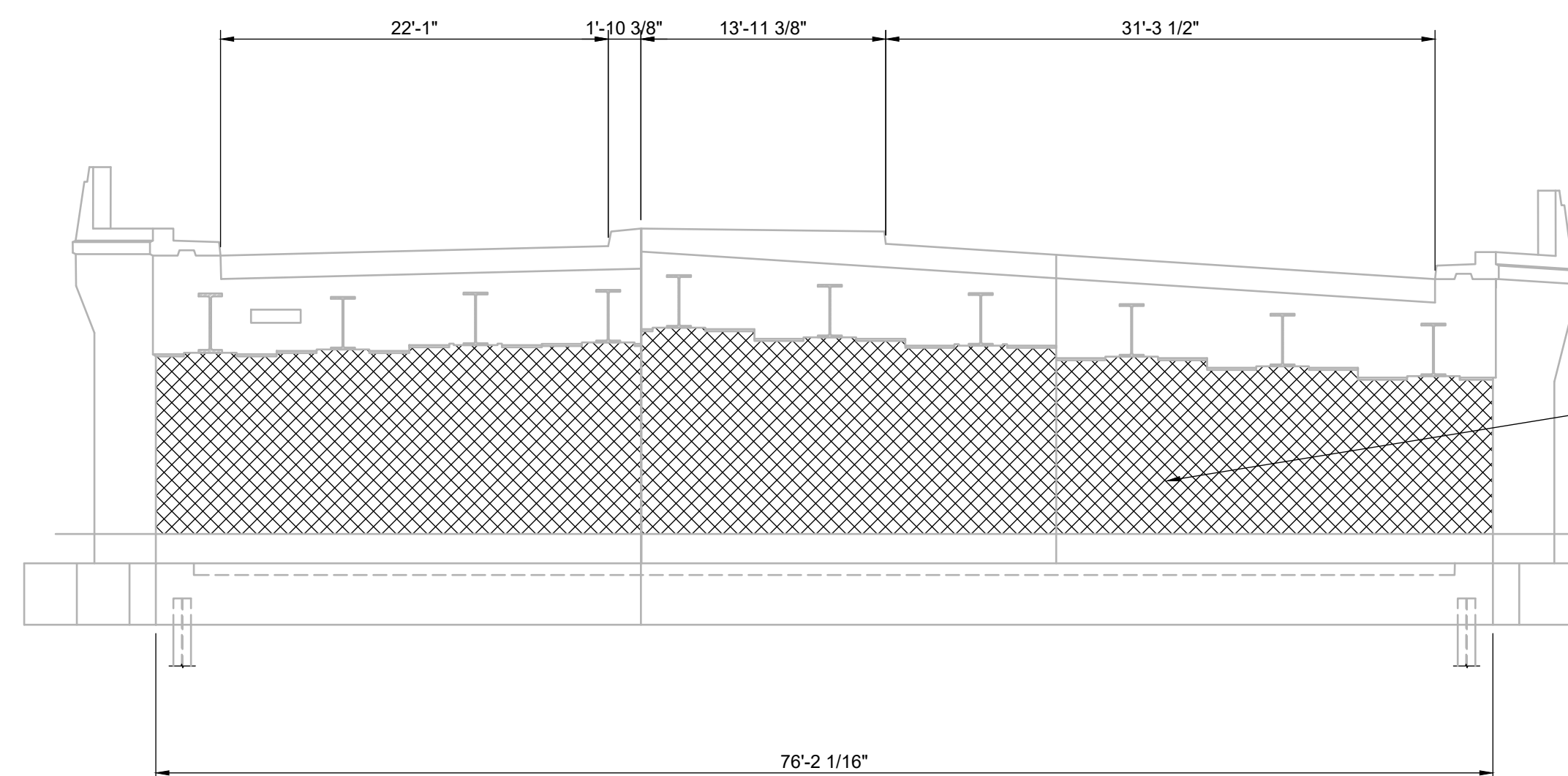


SECTION A

SCALE: 1/8" = 1'-0"

NOTES:

- CLEAN AND PAINT GIRDERS AND BEARINGS
NJ DOT #554003P, NJ DOT #554009P, NJ DOT #554012P

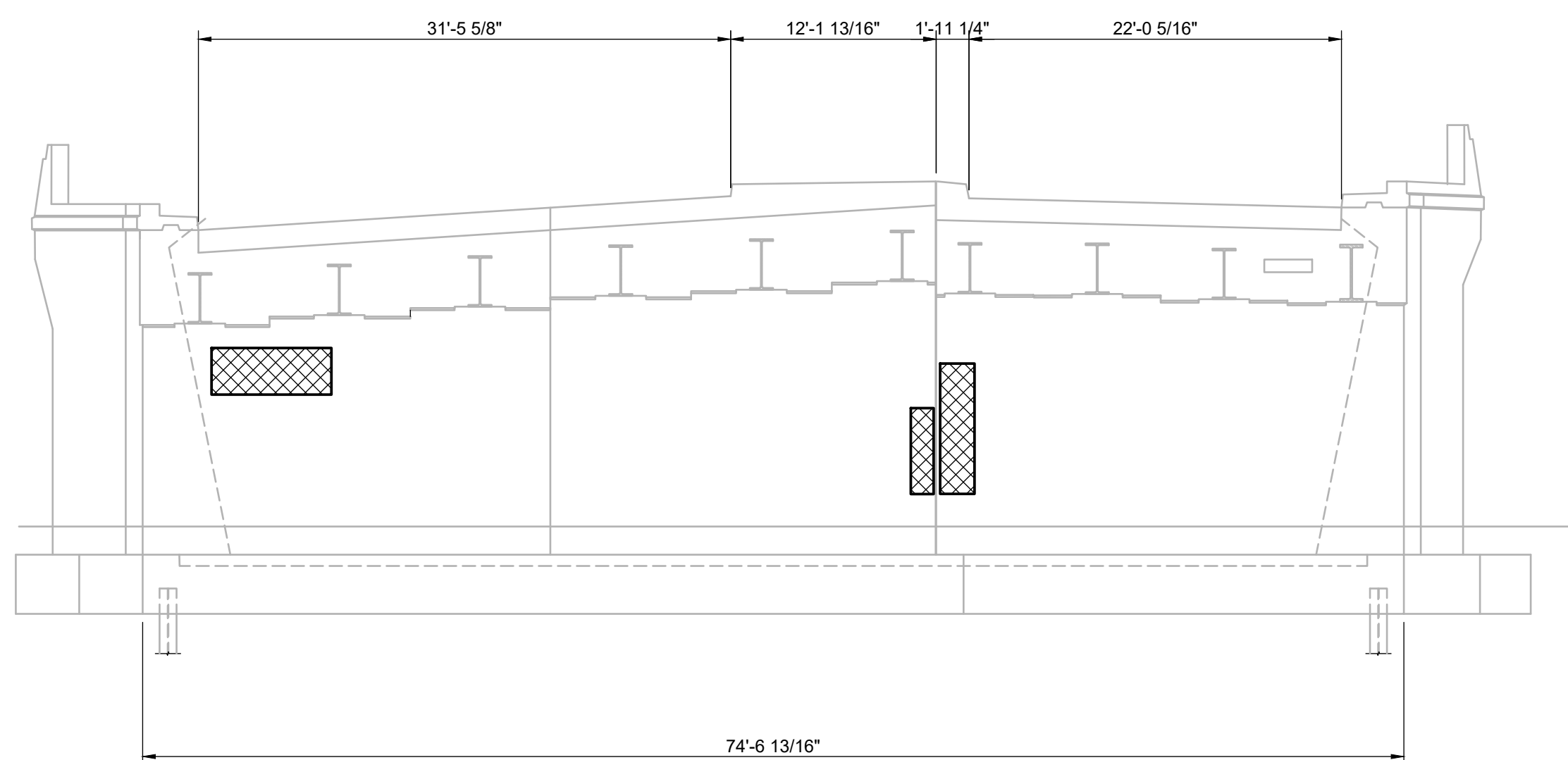


SECTION B

SCALE: 1/8" = 1'-0"

NOTES:

- CLEAN AND PAINT GIRDERS, END DIAPHRAGMS AND BEARINGS
NJ DOT #554003P, NJ DOT #554009P, NJ DOT #554012P
- REMOVE DEBRIS FROM ABUTMENT BRIDGE SEATS AND APPLY EPOXY WATERPROOFING
NJ DOT #504036P



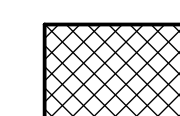
SECTION C

SCALE: 1/8" = 1'-0"

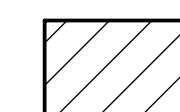
NOTES:

- CLEAN AND PAINT GIRDERS, END DIAPHRAGMS AND BEARINGS
NJ DOT #554003P, NJ DOT #554009P, NJ DOT #554012P
- REMOVE DEBRIS FROM ABUTMENT BRIDGE SEATS AND APPLY EPOXY WATERPROOFING
NJ DOT #504036P

LEGEND



APPROXIMATE LIMITS OF EXISTING SPALLS TO BE REPAIRED
SEE DRAWING S-401



APPROXIMATE LIMITS OF EXISTING CRACKS TO BE REPAIRED
SEE DRAWING S-401

NOTES:

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- SEE CONTRACT DRAWING S-401 FOR SPALL AND CRACK CONCRETE REPAIRS.

REV. / ISSUE	DATE	DESCRIPTION

CONSULTANT

ORIENTATION / KEY PLAN

CLIENT
STATE OF NEW JERSEY
NEW JERSEY SPORTS AND EXPOSITION AUTHORITY

PS&S PAULUS, SOKOLOWSKI AND SARTOR, LLC.
3 MOUNTAINVIEW ROAD
P.O. BOX 4039
WARREN, NJ 07059
PHONE: (732) 563-9700
CERTIFICATE OF AUTHORIZATION NO. 24GA28032700

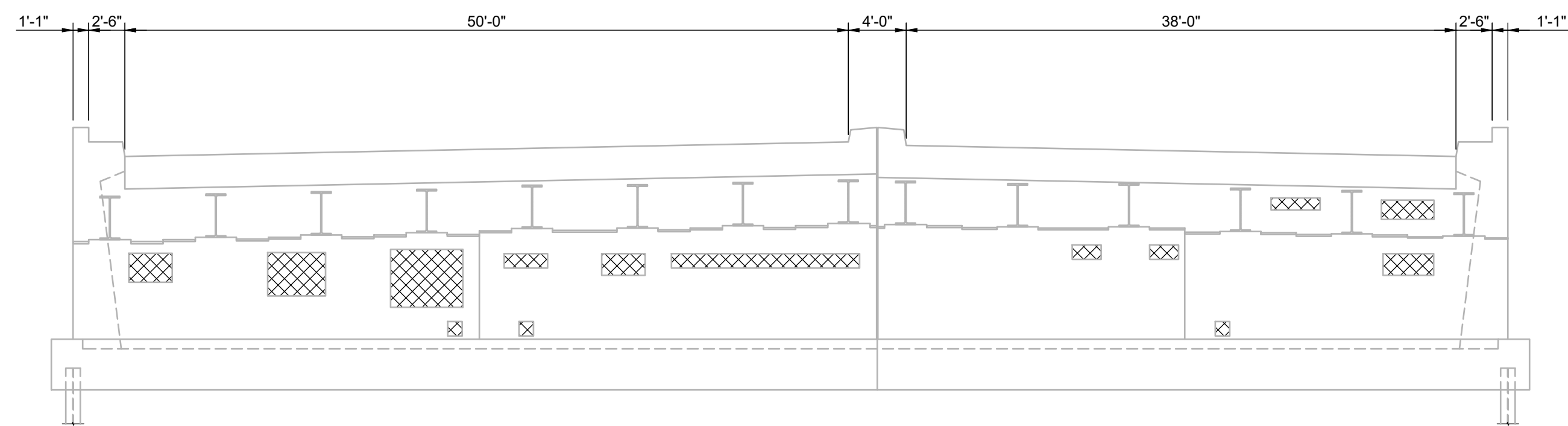
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PROJECT

NJSEA
MEADOWLANDS
STRUCTURE NO. 4900-001
SOUTH CONNECTOR ROAD
AND RAMP "R" OVER NJ 120
THE BOROUGH OF EAST RUTHERFORD
BERGEN COUNTY, NEW JERSEY

SHEET TITLE
SOUTH CONNECTOR
SECTIONS
BRIDGE REPAIRS

PROJECT NO.: 00823.0040 DRAWN BY: RD
SCALE: AS SHOWN CHECKED BY: JB
DATE: 10/11/2024 SHEET 7 OF 21
SHEET NO. S-201

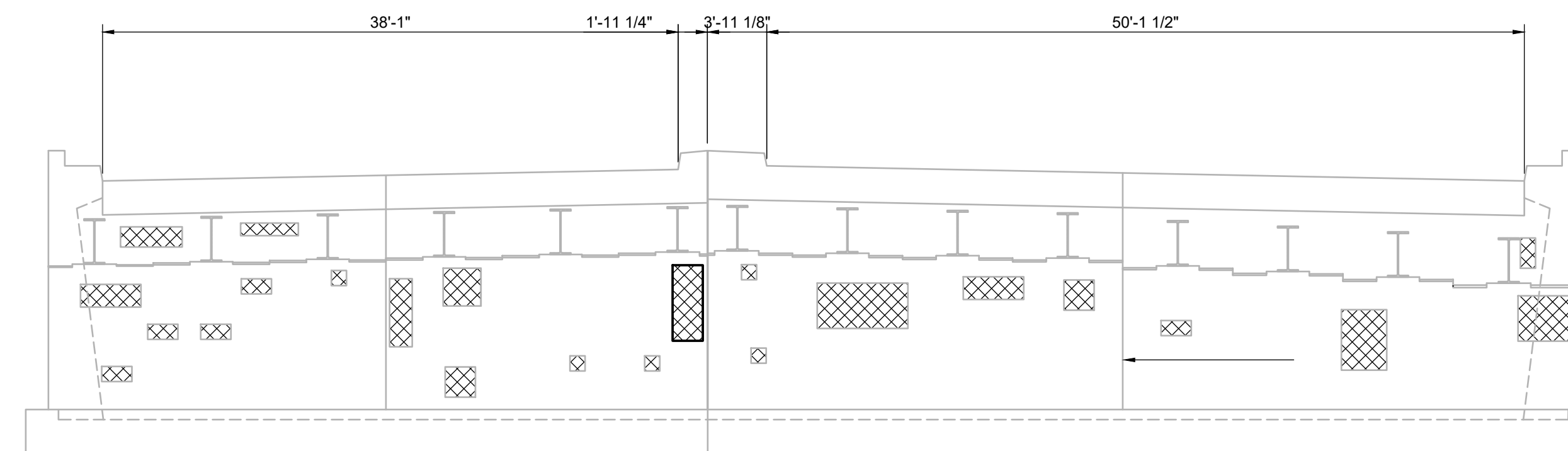


SECTION A

SCALE: 1/8" = 1'-0"

NOTES:

1. CLEAN AND PAINT GIRDERS, END DIAPHRAGMS AND BEARINGS
NJ DOT #554003P, NJ DOT #554009P, NJ DOT #554012P
2. REMOVE DEBRIS FROM ABUTMENT BRIDGE SEATS AND APPLY EPOXY WATERPROOFING
NJ DOT #504036P

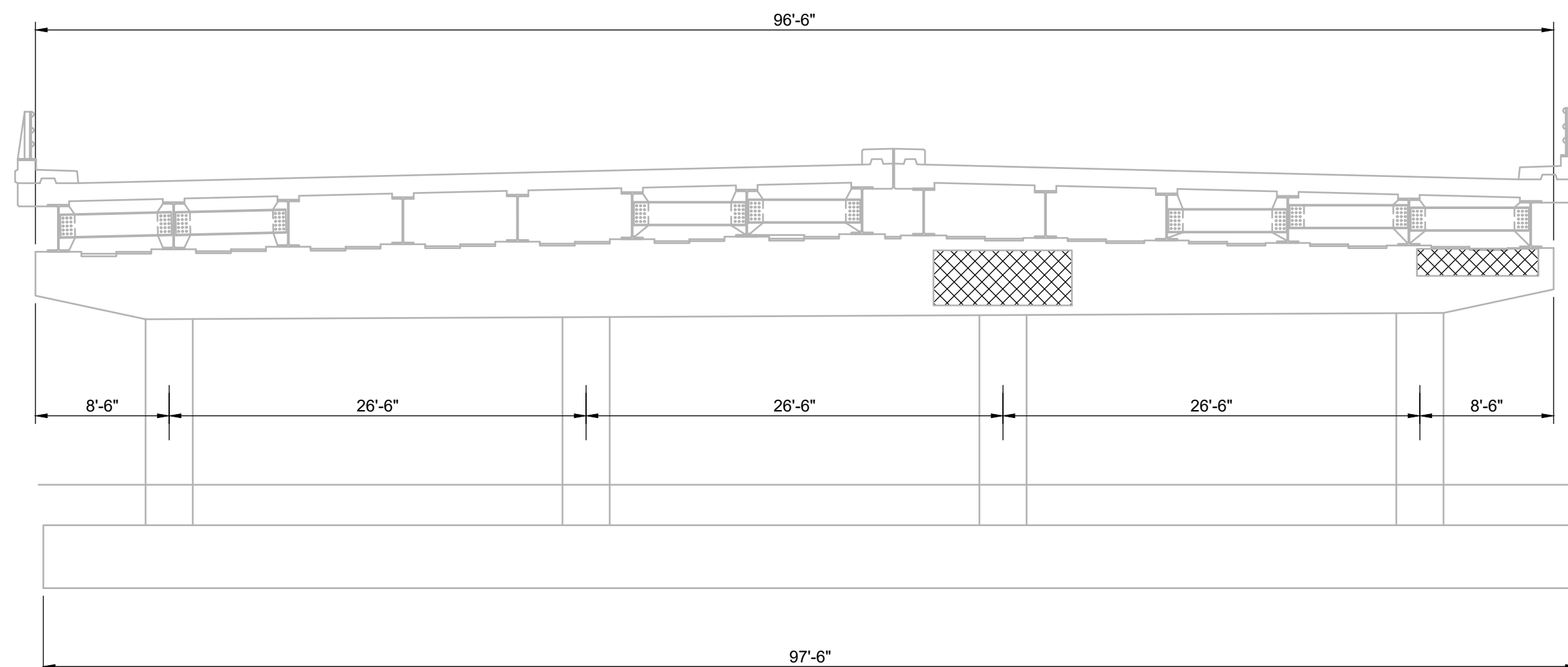


SECTION B

SCALE: 1/8" = 1'-0"

NOTES:

1. CLEAN AND PAINT GIRDERS, END DIAPHRAGMS AND BEARINGS
NJ DOT #554003P, NJ DOT #554009P, NJ DOT #554012P
2. REMOVE DEBRIS FROM ABUTMENT BRIDGE SEATS AND APPLY EPOXY WATERPROOFING
NJ DOT #504036P

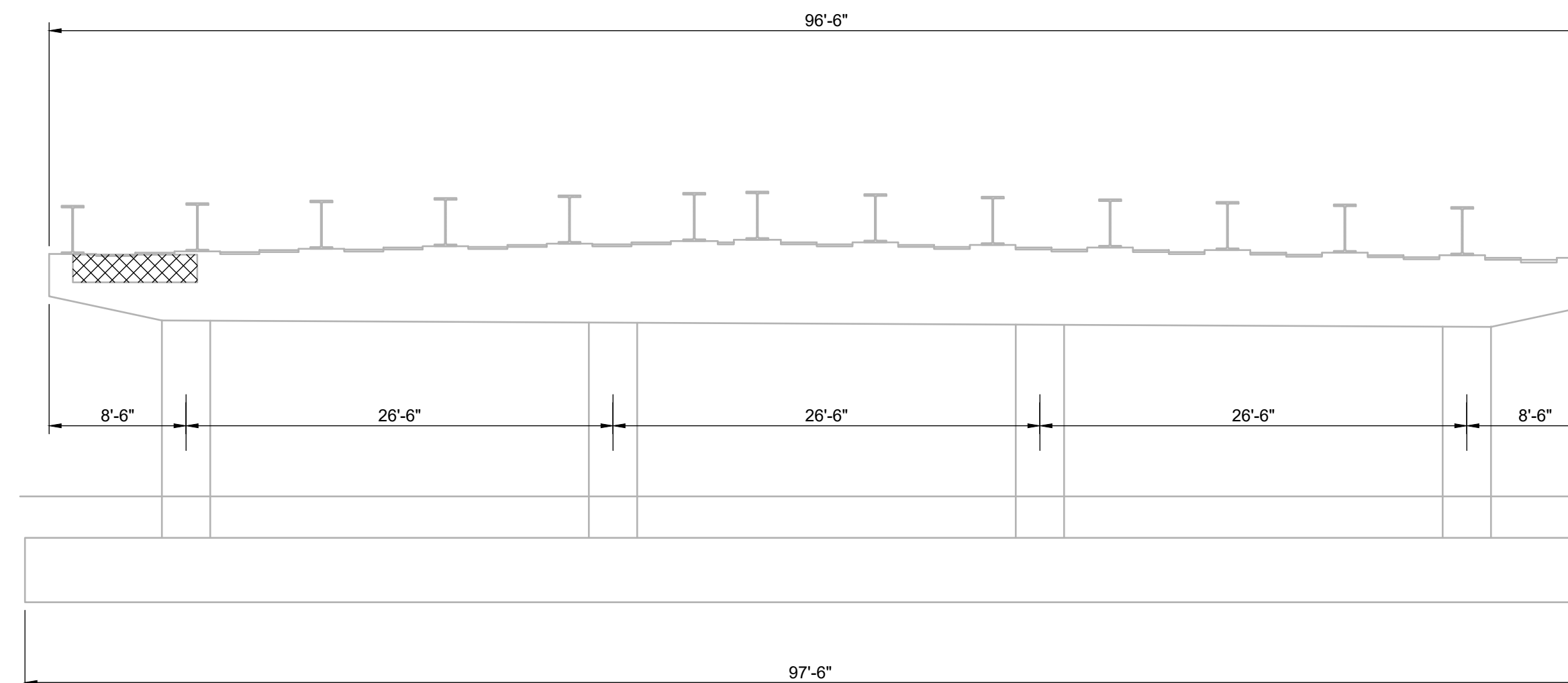


SECTION C

SCALE: 1/8" = 1'-0"

NOTES:

1. CLEAN AND PAINT GIRDERS AND BEARINGS
NJ DOT #554003P, NJ DOT #554009P, NJ DOT #554012P



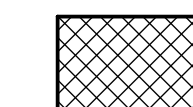
SECTION D

SCALE: 1/8" = 1'-0"

NOTES:

1. CLEAN AND PAINT GIRDERS AND BEARINGS
NJ DOT #554003P, NJ DOT #554009P, NJ DOT #554012P

LEGEND



APPROXIMATE LIMITS OF EXISTING SPALLS TO BE REPAIRED
SEE DRAWING S-401

NOTES:

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2. SEE CONTRACT DRAWING S-401 FOR SPALL AND CRACK CONCRETE REPAIRS.

REV. / ISSUE	DATE	DESCRIPTION

CONSULTANT

ORIENTATION / KEY PLAN

CLIENT
STATE OF NEW JERSEY
NEW JERSEY SPORTS AND EXPOSITION AUTHORITY

PS&S PAULUS, SOKOLOWSKI AND SARTOR, LLC.
3 MOUNTAINVIEW ROAD
P.O. BOX 4039
WARREN, NJ 07059
PHONE: (732) 563-0700
CERTIFICATE OF AUTHORIZATION NO. 24GA28032700

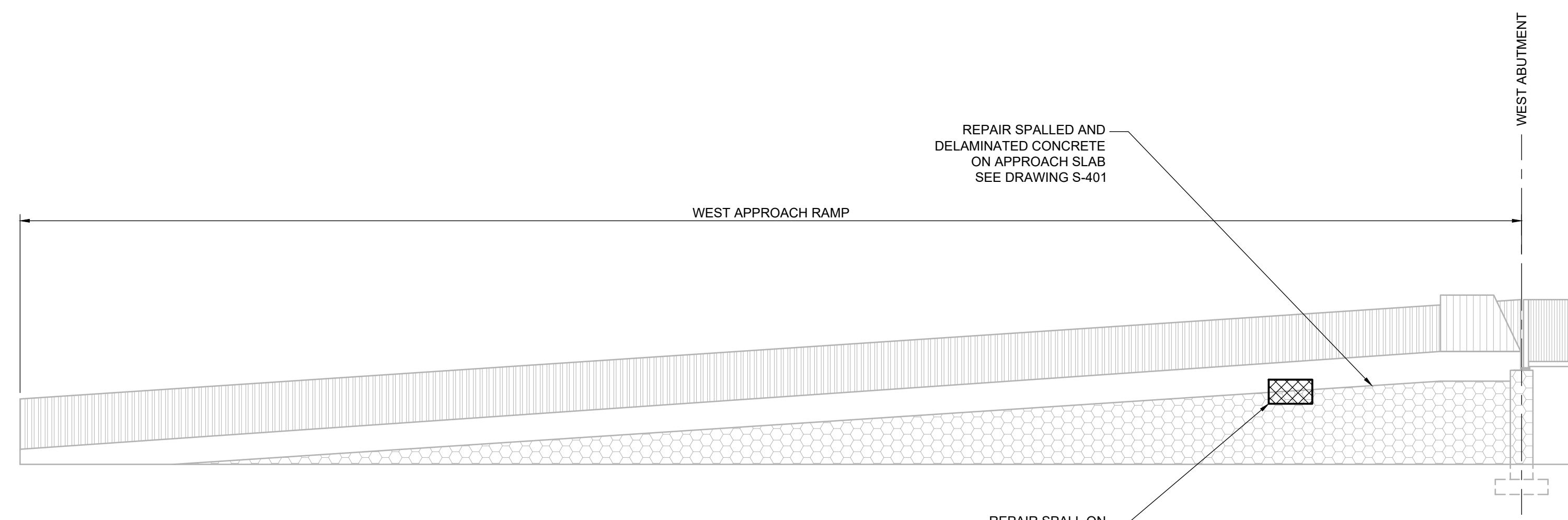
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PROJECT
NJSEA
MEADOWLANDS
STRUCTURE NO. 4900-002
NORTH CONNECTOR ROAD
AND RAMP "F" OVER NJ 120
THE BOROUGH OF EAST RUTHERFORD
BERGEN COUNTY, NEW JERSEY

SHEET TITLE
NORTH CONNECTOR SECTIONS
BRIDGE REPAIRS

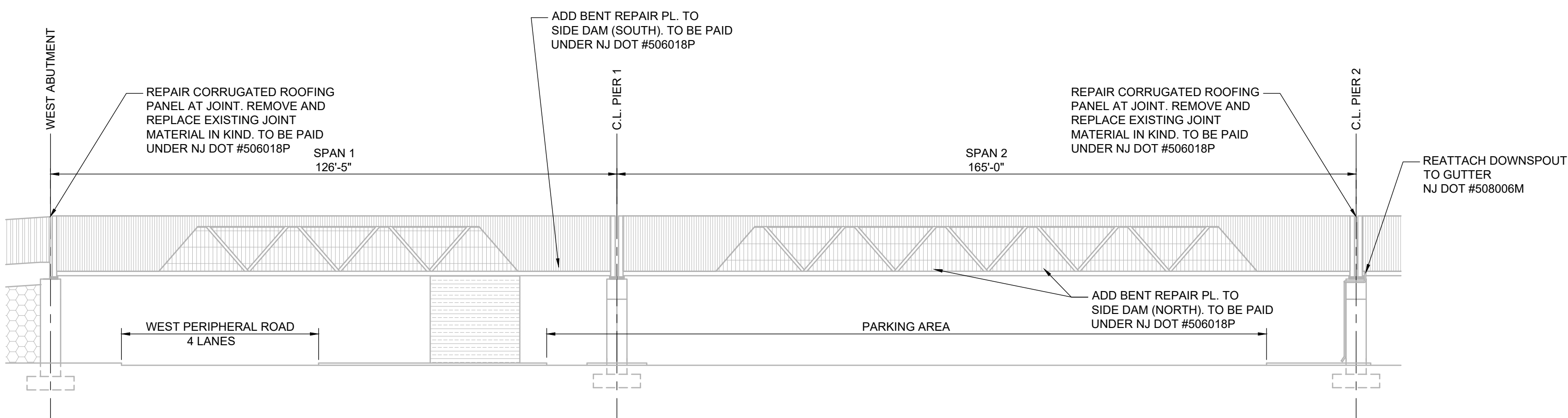
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SCALE: AS SHOWN CHECKED BY: JB
DATE: 10/11/2024 SHEET 8 OF 21
SHEET NO. **S-202**

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Oct 11, 2024 7:53pm



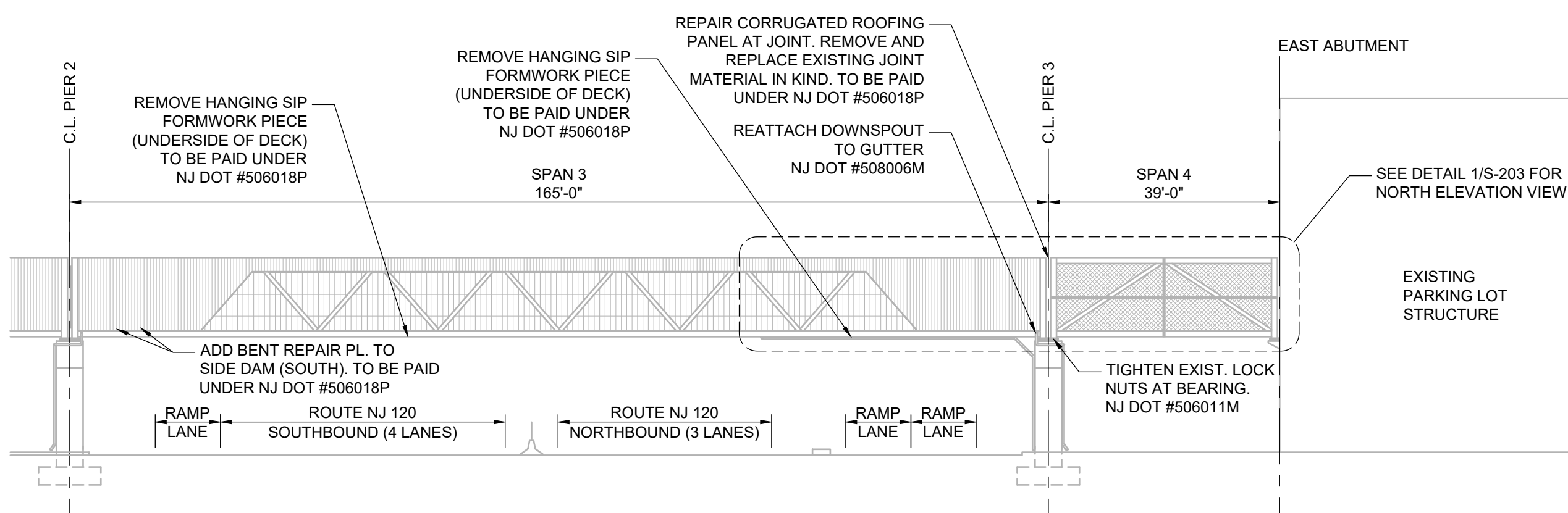
WEST APPROACH RAMP ELEVATION (LOOKING NORTH)

SCALE: 1" = 20'-0"



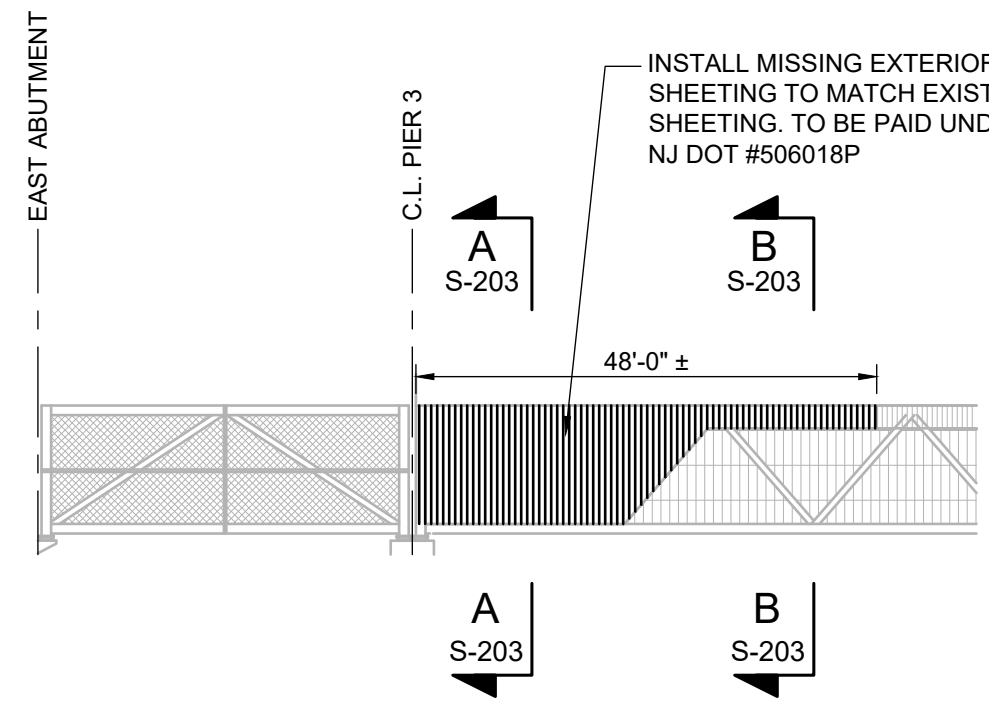
SPAN 1 AND 2 ELEVATION (LOOKING NORTH)

SCALE: 1" = 20'-0"



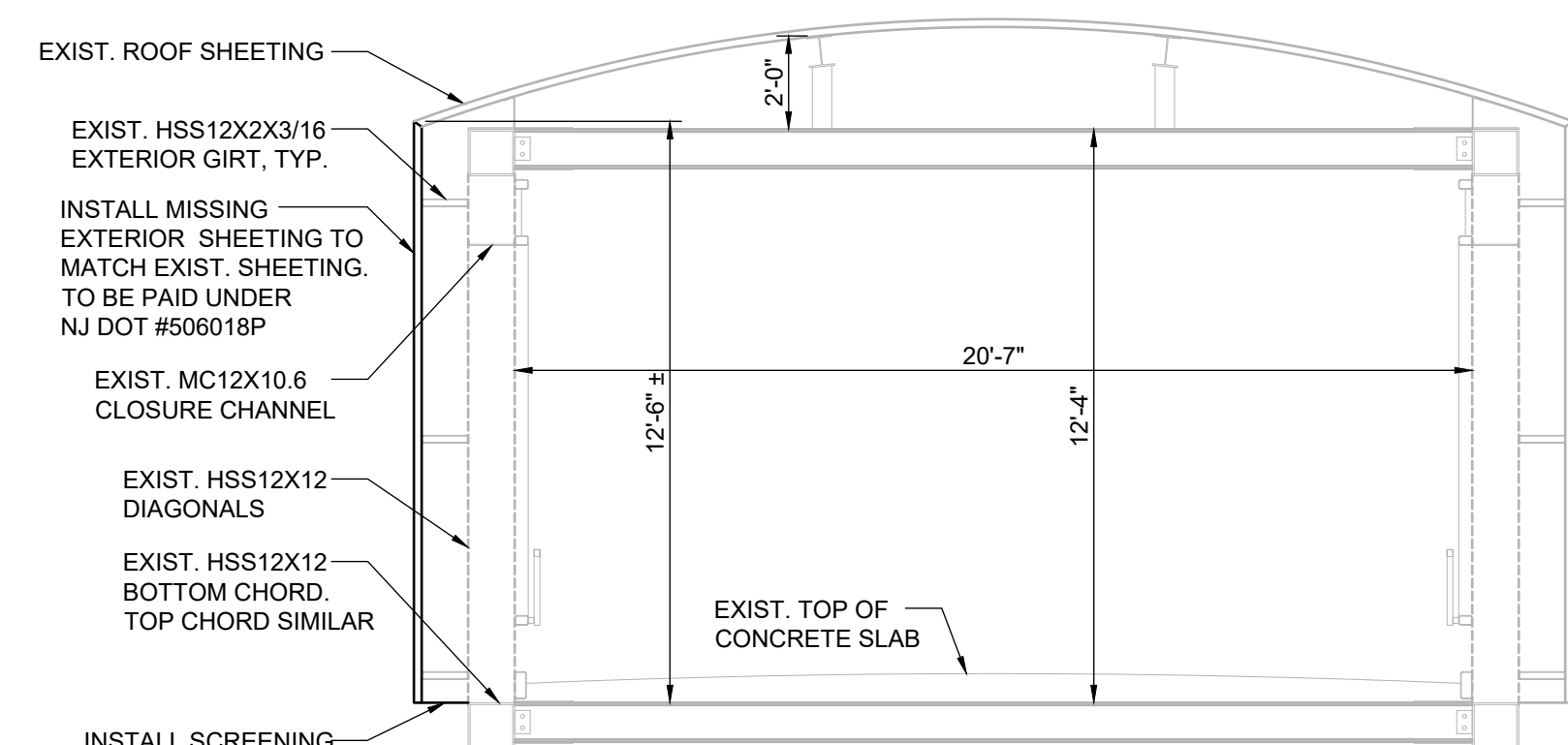
SPAN 3 AND 4 ELEVATION (LOOKING NORTH)

SCALE: 1" = 20'-0"



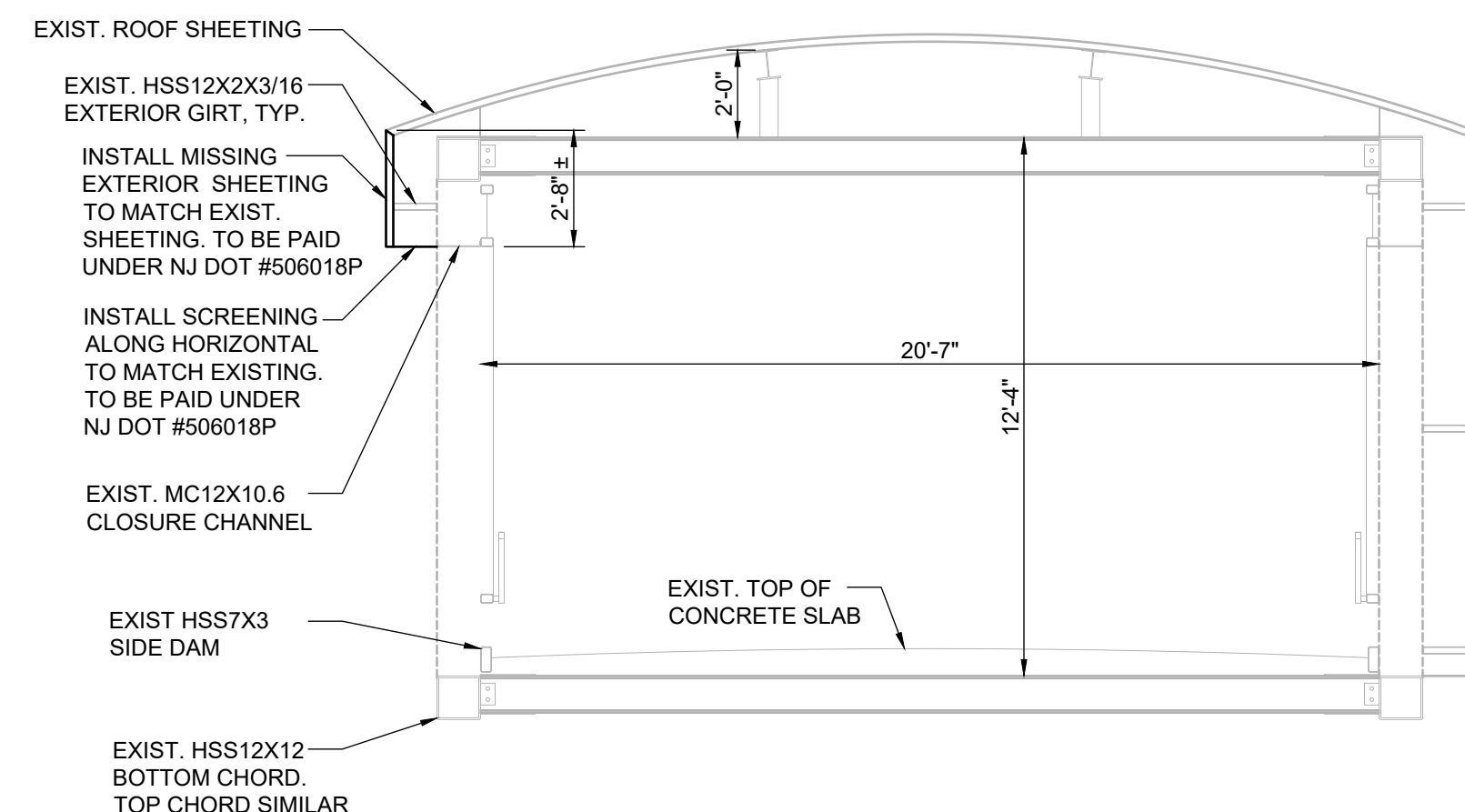
DETAIL 1 (LOOKING SOUTH)

SCALE: 1" = 20'-0"



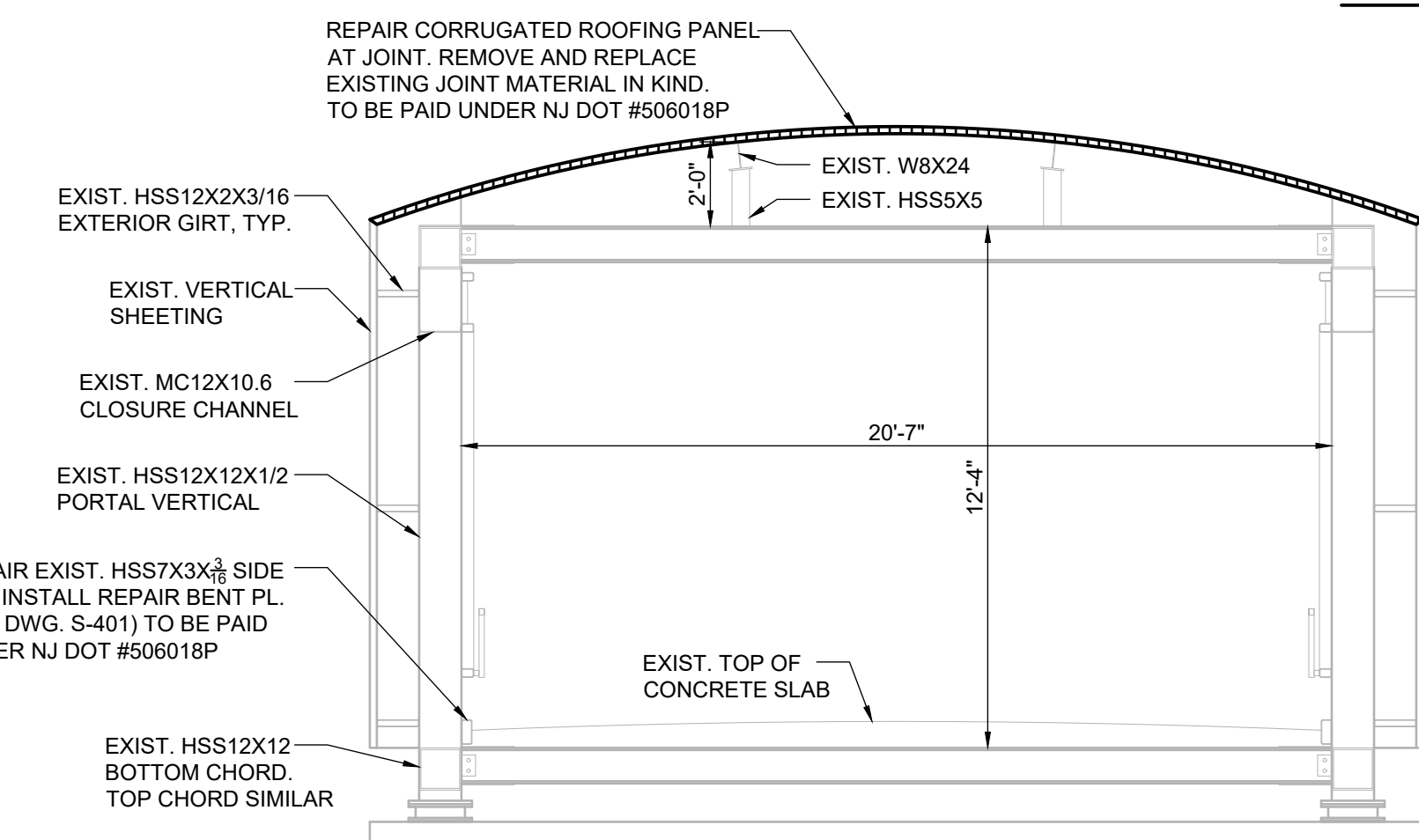
SECTION A

SCALE: 1/4" = 1'-0"



SECTION B

SCALE: 1/4" = 1'-0"



SECTION C (SEE S-103)

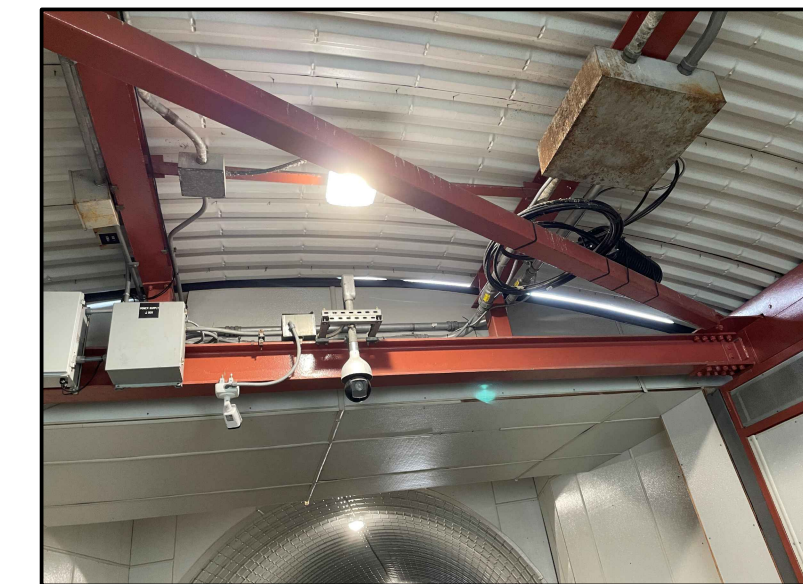
SCALE: 1/4" = 1'-0"



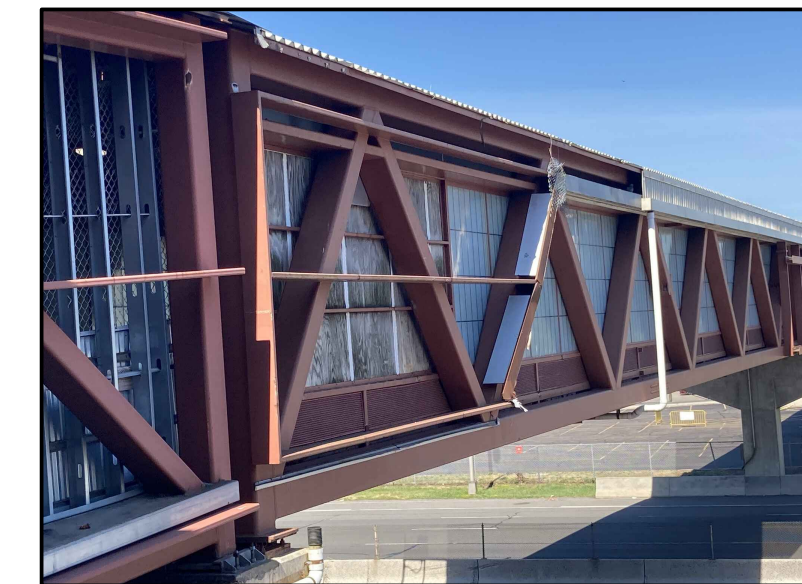
REBUILD SPALL AT THE WEST APPROACH PARAPET WALL



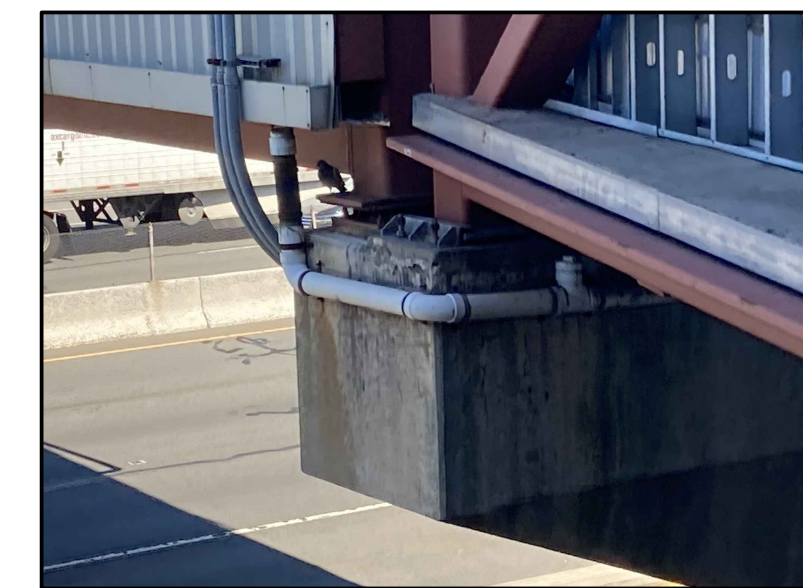
REPAIR SPALLED AND DETERIORATED CONCRETE SLAB AT THE WEST APPROACH



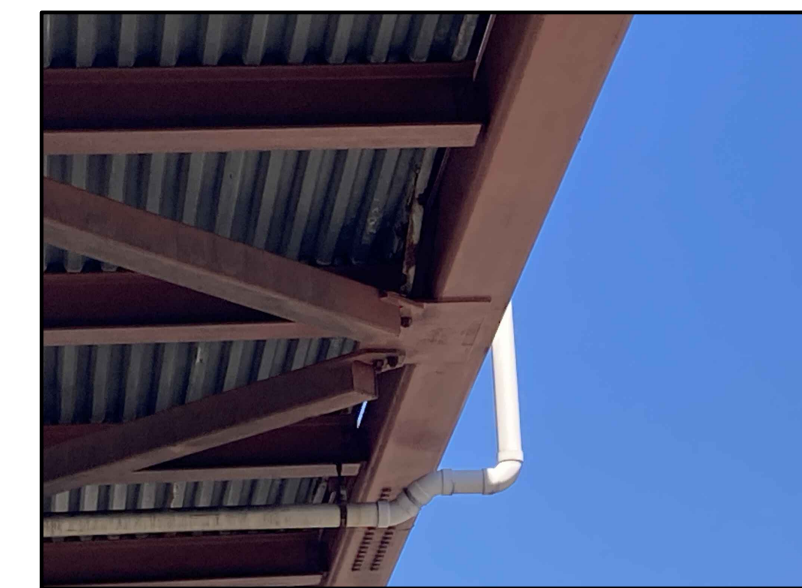
REPAIR EXPANSION JOINT AND ROOFING CORRUGATED PANEL AT JOINT



INSTALL MISSING EXTERIOR SHEETING (TO MATCH EXIST. SHEETING)



REATTACH DOWNSPOUTS TO GUTTER TIGHTEN EXIST. LOCK NUTS AT BEARING



REMOVE HANGING FORMWORK PIECE



REPAIR TOP OF FLANGE HSS SIDE DAM

REV. / ISSUE	DATE	DESCRIPTION

CONSULTANT

ORIENTATION / KEY PLAN

CLIENT

STATE OF NEW JERSEY
NEW JERSEY SPORTS AND EXPOSITION AUTHORITY



3 MOUNTAINVIEW ROAD
P.O. BOX 4039
WARREN, NJ 07059
PHONE: (732) 563-0700

CERTIFICATE OF AUTHORIZATION NO. 24GA28032700

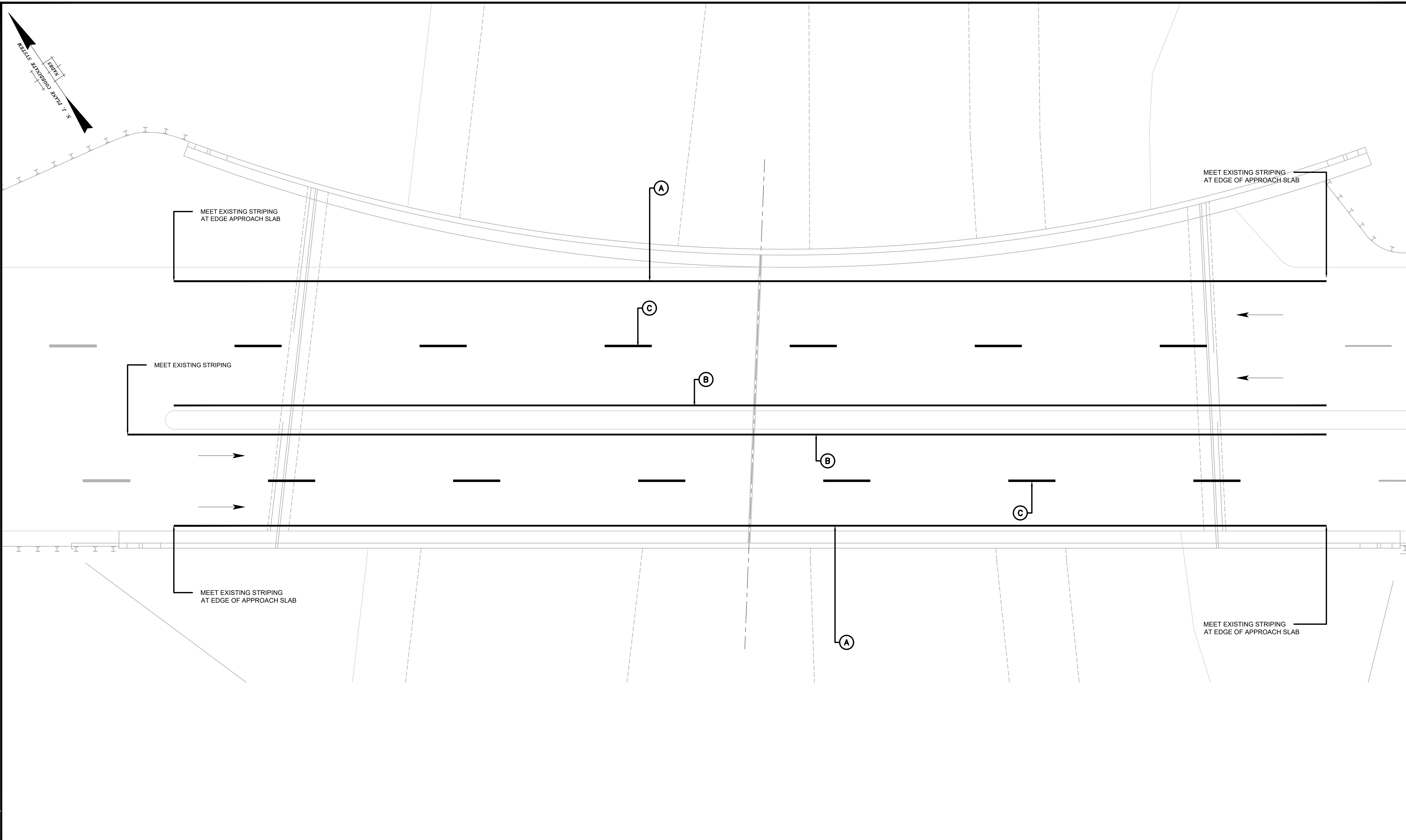
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PROJECT
NJSEA
MEADOWLANDS
STRUCTURE NO. 4900-003
PEDESTRIAN BRIDGE
OVER NJ 120
THE BOROUGH OF EAST RUTHERFORD
BERGEN COUNTY, NEW JERSEY

SHEET TITLE
PEDESTRIAN BRIDGE SECTIONS BRIDGE REPAIRS

PROJECT NO.: 00823.0040 | DRAWN BY: RD
SCALE: AS SHOWN | CHECKED BY: JB
DATE: 10/11/2024 | SHEET 9 OF 24
SHEET NO.

S-203



REV. / ISSUE	DATE	DESCRIPTION

CONSULTANT

ORIENTATION / KEY PLAN

CLIENT
STATE OF NEW JERSEY
NEW JERSEY SPORTS AND EXPOSITION AUTHORITY

PS&S PAULUS, SOKOLOWSKI AND SARTOR, LLC.
 3 MOUNTAINVIEW ROAD
 P.O. BOX 4039
 WARREN, NJ 07059
 PHONE: (732) 563-0700
 CERTIFICATE OF AUTHORIZATION NO. 24GA28032700

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PROJECT

NJSEA
MEADOWLANDS
STRUCTURE NO. 4900-001
SOUTH CONNECTOR ROAD
AND RAMP "R" OVER NJ 120
THE BOROUGH OF EAST RUTHERFORD
BERGEN COUNTY, NEW JERSEY

SHEET TITLE
SOUTH CONNECTOR
TRAFFIC STRIPING
PLAN

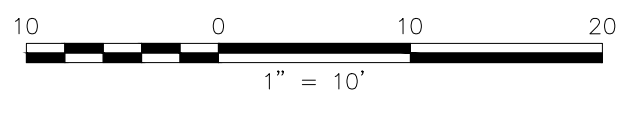
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 SCALE: AS SHOWN CHECKED BY: JB
 DATE: 10/11/2024 SHEET 10 OF 21
 SHEET NO. S-301

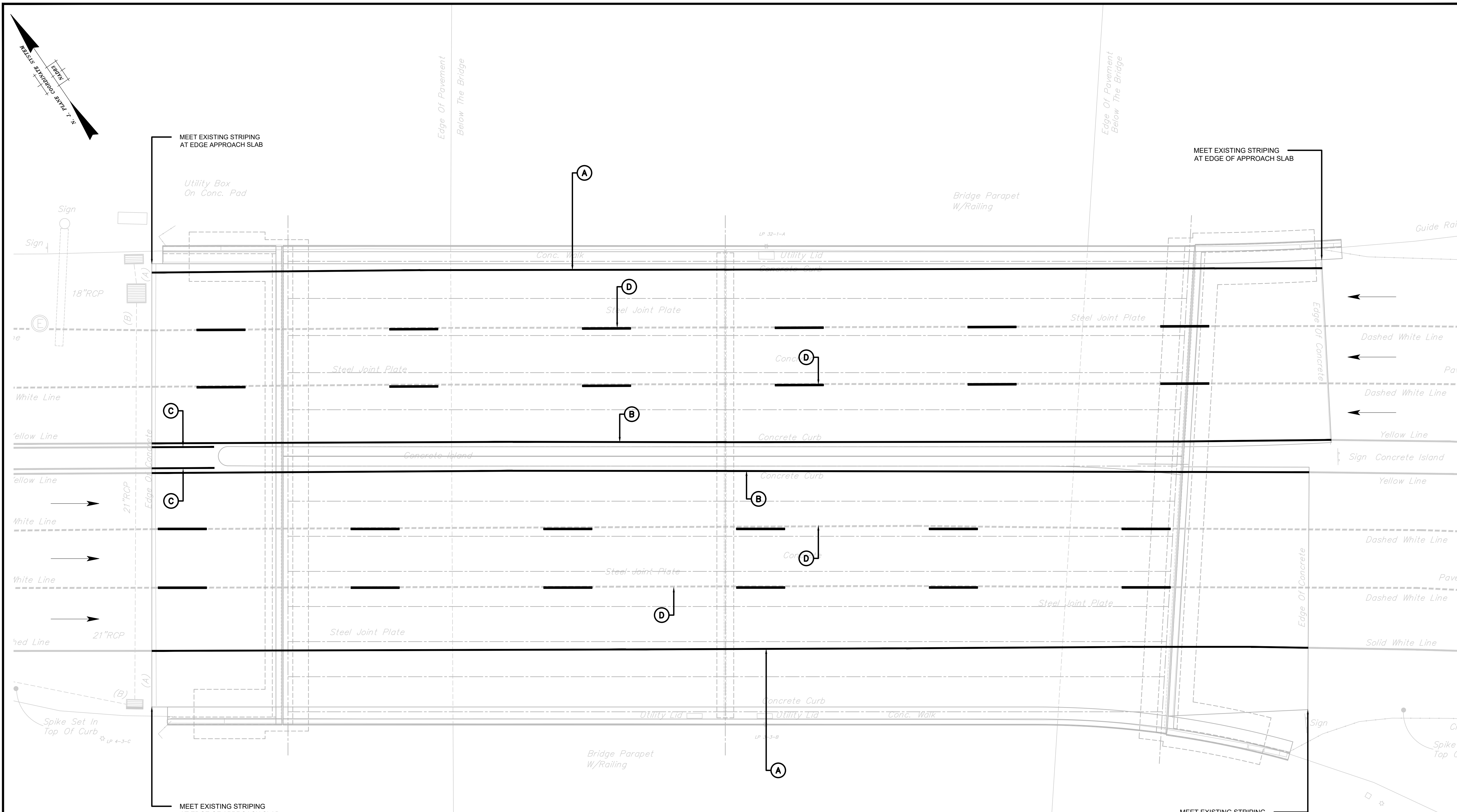
LEGEND

(A)	4" SOLID WHITE LINE
(B)	4" SOLID YELLOW LINE
(C)	4" BROKEN WHITE LINE 10' LINE WITH 30' SPACE

SOUTH CONNECTOR TRAFFIC STRIPING PLAN
SCALE: 1" = 10'-0"

- NOTES:**
- ALL CONFLICTING TRAFFIC STRIPES OR PAVEMENT MARKINGS SHALL BE REMOVED AS NEEDED. NO SEPARATE PAYMENT SHALL BE MADE FOR THE REMOVAL OF EXISTING TRAFFIC STRIPES OR PAVEMENT MARKINGS. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE PRICES BID FOR THE VARIOUS TRAFFIC STRIPE ITEMS INCLUDED IN THIS CONTRACT.
 - ALL TRAFFIC STRIPES, TRAFFIC MARKINGS, AND SIGNS SHALL CONFORM WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CURRENT EDITION AS ISSUED BY THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) OF THE UNITED STATES DEPARTMENT OF TRANSPORTATION (USDOT).



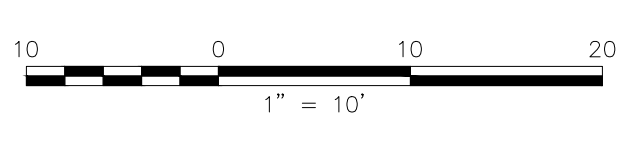


NORTH CONNECTOR TRAFFIC STRIPING PLAN

SCALE: 1" = 10'-0"

- LEGEND**
- (A) 4" SOLID WHITE LINE
 - (B) 4" SOLID YELLOW LINE
 - (C) 2-4" BROKEN YELLOW LINES
 - (D) 4" BROKEN WHITE LINE
10' LINE WITH 30' SPACE

- NOTES:**
- ALL CONFLICTING TRAFFIC STRIPES OR PAVEMENT MARKINGS SHALL BE REMOVED AS NEEDED. NO SEPARATE PAYMENT SHALL BE MADE FOR THE REMOVAL OF EXISTING TRAFFIC STRIPES OR PAVEMENT MARKINGS. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE PRICES BID FOR THE VARIOUS TRAFFIC STRIPE ITEMS INCLUDED IN THIS CONTRACT.
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REV. / ISSUE	DATE	DESCRIPTION

CONSULTANT

ORIENTATION / KEY PLAN

CLIENT

STATE OF NEW JERSEY
NEW JERSEY SPORTS AND EXPOSITION AUTHORITY

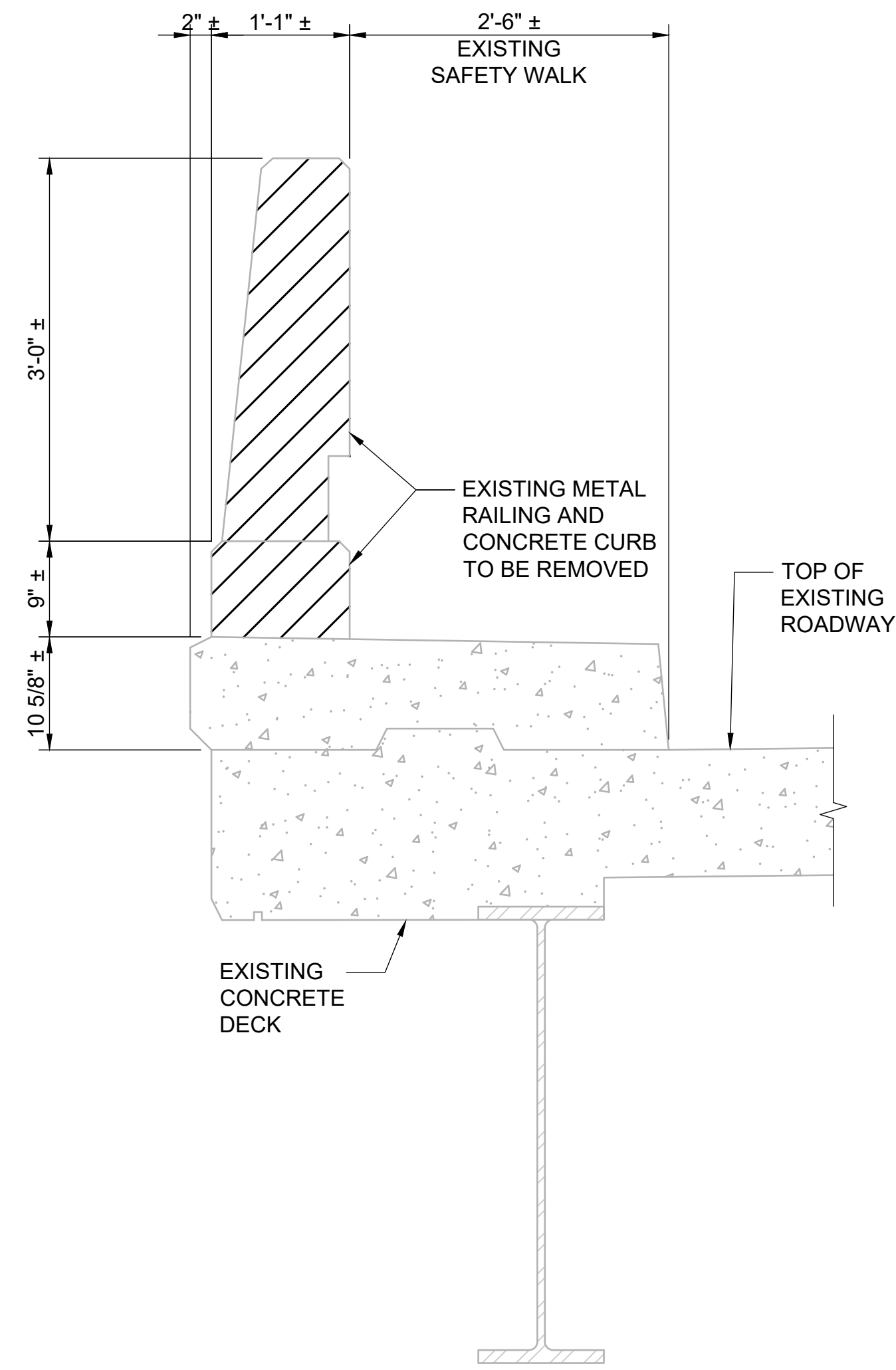
PS&S PAULUS, SOKOLOWSKI AND SARTOR, LLC.
 3 MOUNTAINVIEW ROAD
 P.O. BOX 4039
 WARREN, NJ 07059
 PHONE: (732) 563-0700
 CERTIFICATE OF AUTHORIZATION NO. 24GA28032700

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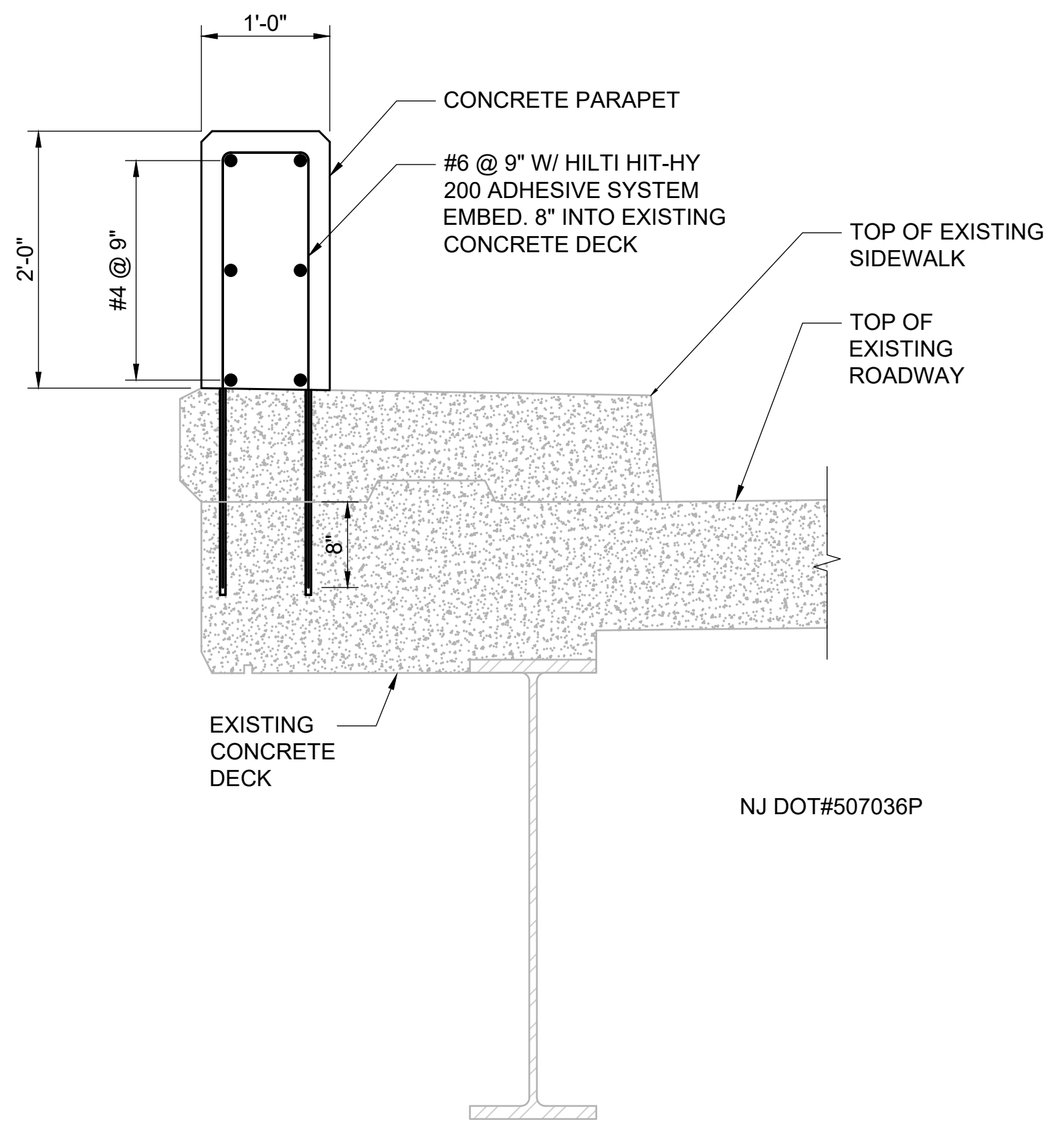
PROJECT
 NJSEA
 MEADOWLANDS
 STRUCTURE NO. 4900-002
 NORTH CONNECTOR ROAD
 AND RAMP "F" OVER NJ 120
 THE BOROUGH OF EAST RUTHERFORD
 BERGEN COUNTY, NEW JERSEY

SHEET TITLE
 NORTH CONNECTOR
 TRAFFIC STRIPING
 PLAN

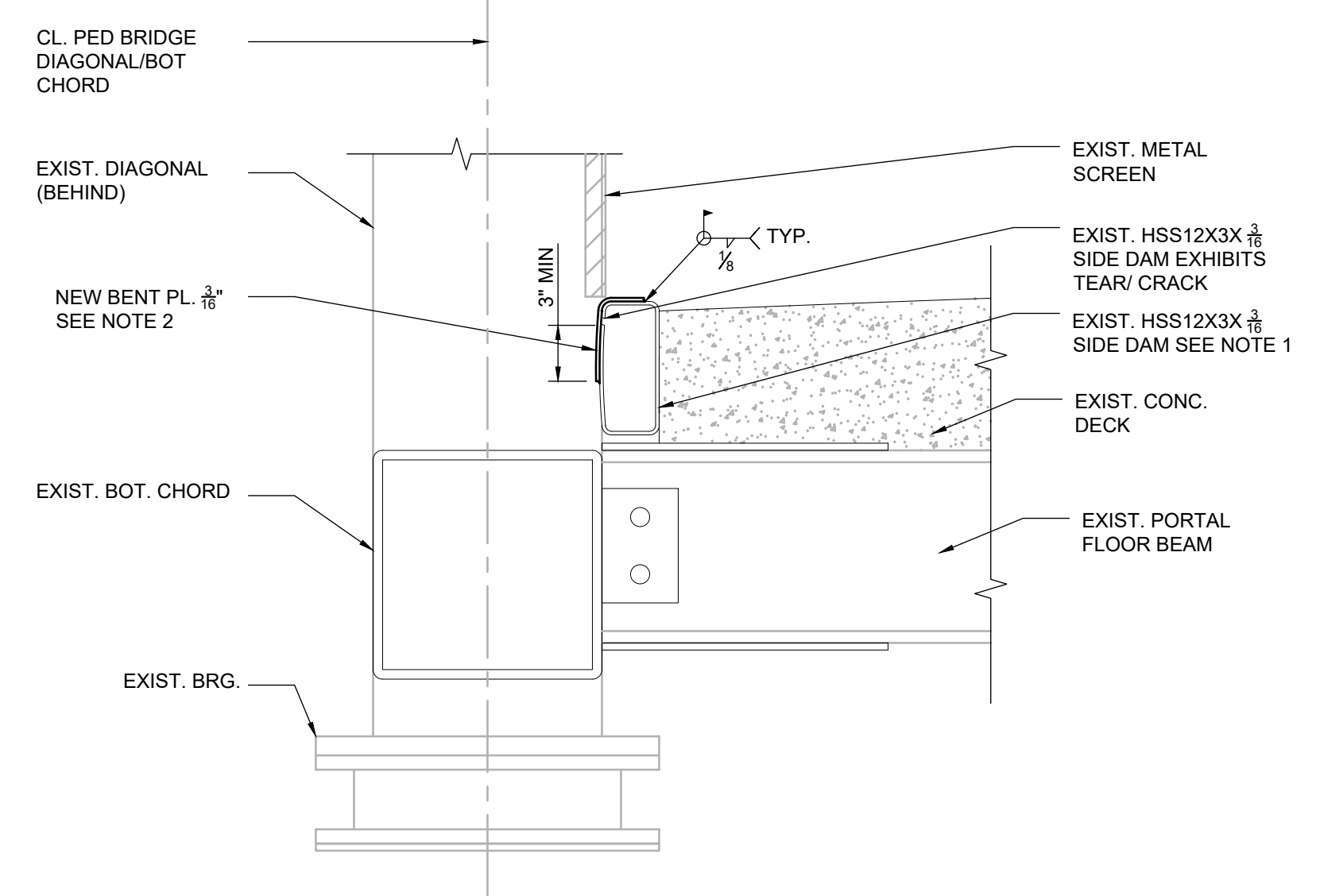
PROJECT NO.: 00823.0040 DRAWN BY: RD
 SCALE: AS SHOWN CHECKED BY: JB
 DATE: 10/11/2024 SHEET 11 OF 21
 SHEET NO. **S-302**



EXISTING SECTION
SCALE: 1" = 1'-0"



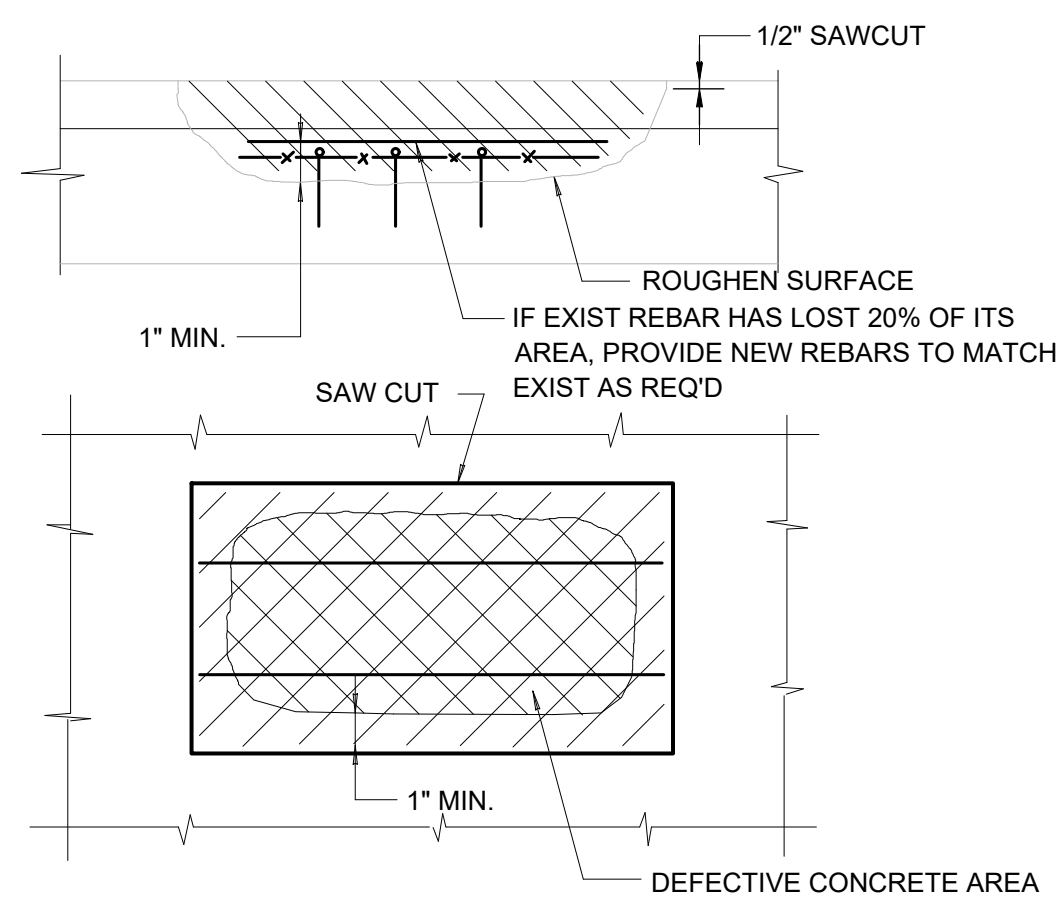
REPAIR SECTION
SCALE: 1" = 1'-0"



REPAIRED SECTION (SIDE DAM)
N.T.S.

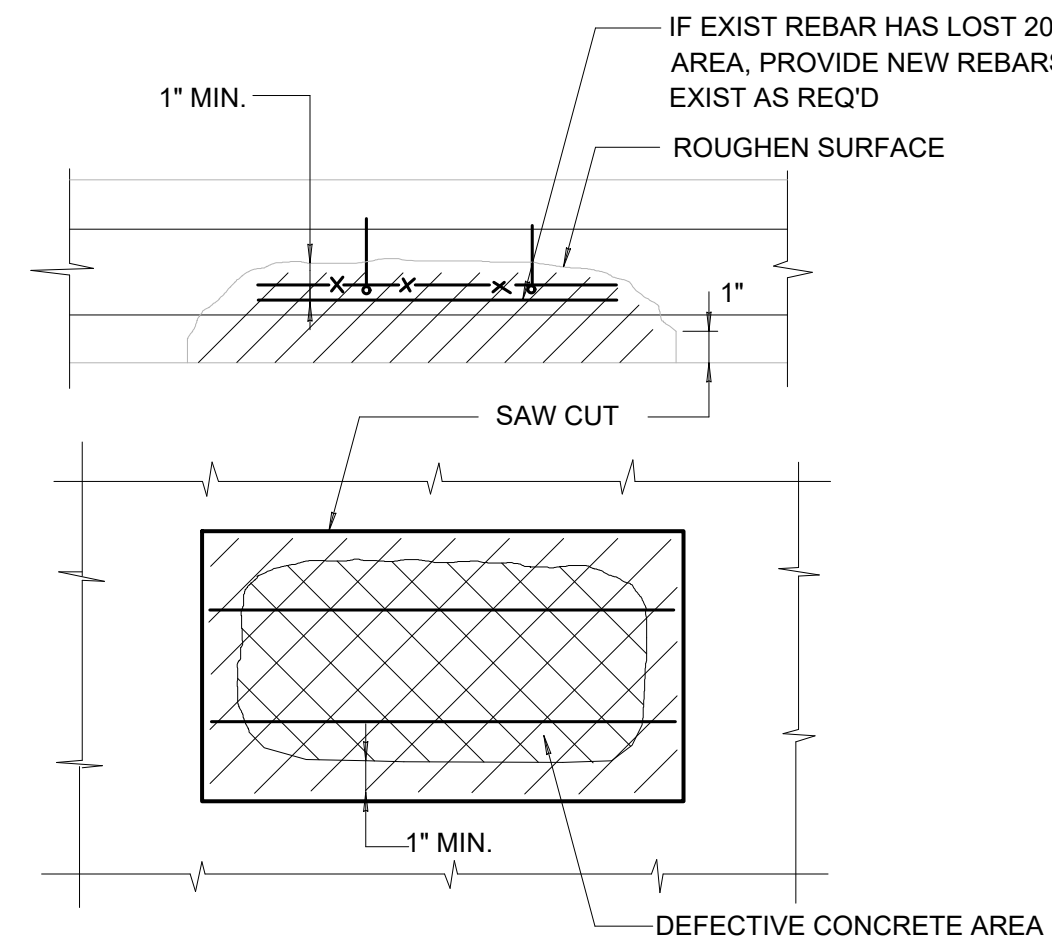
NOTES:

1. EXISTING WEB OF SIDE DAM EXHIBITS LONGITUDINAL CRACK AT INTERFACE OF FLANGE/WEB AND/OR BOWED/DISTORTED WEB (TOTAL OF 15 LINEAR FOOT).
2. CONTRACTOR TO CUSTOM FABRICATE BENT PLATES. CUSTOM FABRICATED BENT PLATES SHALL BE BASED ON A FIELD VERIFICATION SURVEY. THE COST OF CUSTOM BENT PLATES AND SURVEY SHALL BE PAID FOR UNDER NJDOT #506018P.



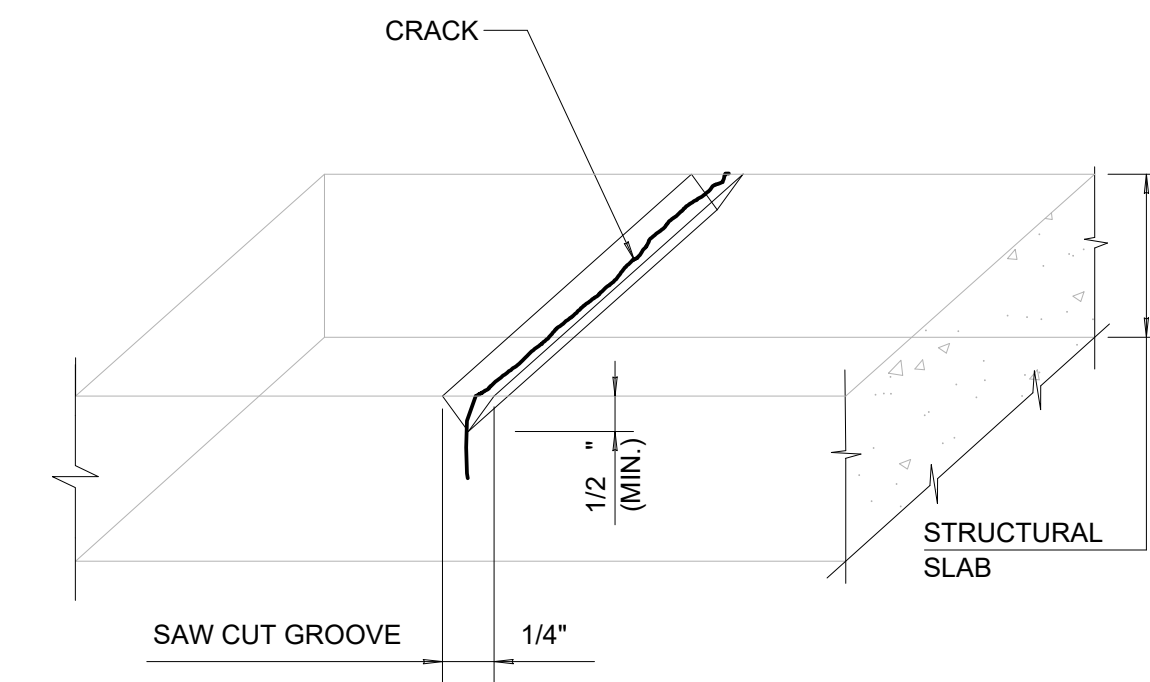
DETAIL A
HORIZONTAL SURFACE SPALL

1. REMOVE DEFECTIVE CONCRETE AS REQUIRED.
2. SAWCUT 1/2" DEEP AROUND PERIMETER OF VOID. REMOVE REMAINING CONCRETE WITHIN CUT LINES.
3. BLAST CLEAN THE SURFACE AND COAT ALL EXPOSED REBARS WITH SIKA ARMATEC-110 OR APPROVED EQUAL.
4. IF THE THICKNESS OF THE REPLACEMENT CONCRETE IS EQUAL TO OR GREATER THAN 3", INSTALL 1/2" DIA. STAINLESS STEEL ANCHOR PINS IN CONCRETE @12" O.C. EACH WAY AND TIE GALVANIZED WIRE FABRIC 2X2-W0.9XW0.9 TO THE SAME.
5. APPLY REPAIRING MORTAR SIKATOP 122-PLUS (OR APPROVED EQUAL) IN MAXIMUM 1" LIFTS. MORTAR MUST BE SCRUBBED INTO SUBSTRATE.
6. FINISH TO MATCH ADJOINING SURFACES.
7. FOLLOW ALL MANUFACTURER'S RECOMMENDED PROCEDURES FOR SIKATOP 122-PLUS.



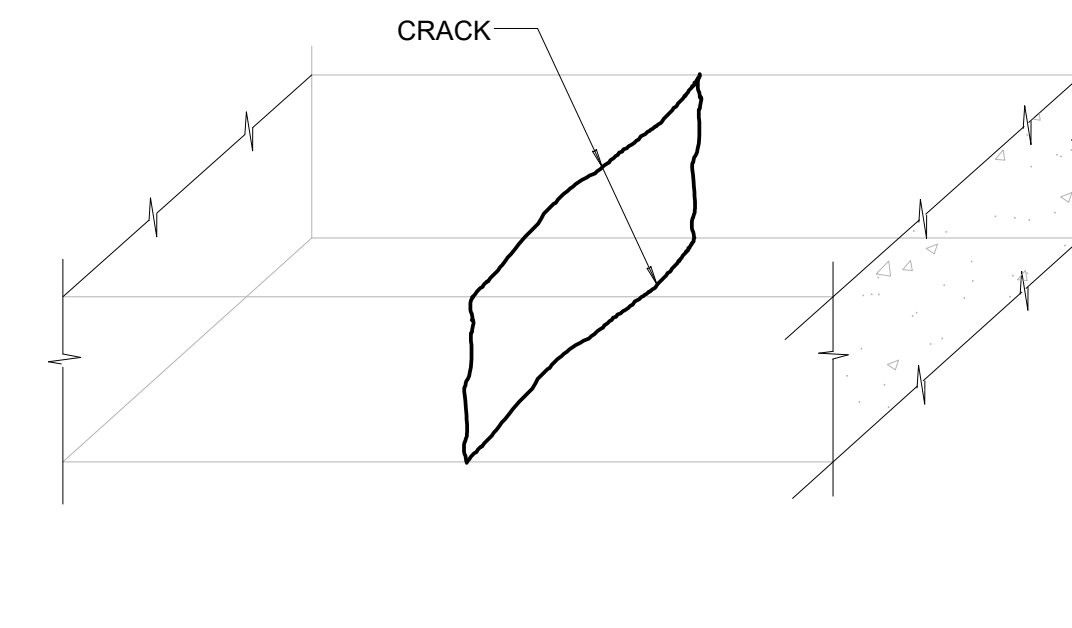
DETAIL B
OVERHEAD & VERTICAL SURFACE SPALL

1. REMOVE DEFECTIVE CONCRETE AS REQUIRED.
2. SAWCUT 1" DEEP AROUND PERIMETER OF VOID. REMOVE REMAINING CONCRETE WITHIN CUT LINES.
3. BLAST CLEAN THE SURFACE AND COAT ALL EXPOSED REBARS WITH SIKA ARMATEC-110 OR APPROVED EQUAL.
4. IF THE THICKNESS OF THE REPLACEMENT CONCRETE IS EQUAL TO OR GREATER THAN 3", INSTALL 1/2" DIA. STAINLESS STEEL ANCHOR PINS IN CONCRETE @12" O.C. EACH WAY AND TIE GALVANIZED WIRE FABRIC 2X2-W0.9XW0.9 TO THE SAME.
5. APPLY REPAIRING MORTAR SIKATOP 122-PLUS (OR APPROVED EQUAL) IN MAXIMUM 1" LIFTS. MORTAR MUST BE SCRUBBED INTO SUBSTRATE.
6. FINISH TO MATCH ADJOINING SURFACES.
7. FOLLOW ALL MANUFACTURER'S RECOMMENDED PROCEDURES FOR SIKATOP 122-PLUS.



DETAIL C
SURFACE CRACK

1. SAW CUT THE SURFACE OF CRACK TO CREATE A 1/2" DEEP AND 1/4" WIDE GROOVE.
2. PROPERLY CLEAN THE CRACK WITH BLOWER.
3. APPLY SIKADUR 52 (OR APPROVED EQUAL) BY GRAVITY FEED INTO THE CRACK.



DETAIL D
THROUGH CRACK

1. PROPERLY CLEAN THE CRACK.
2. PROPERLY INSTALL ONE-WAY POLYETHYLENE VALVES OR GROMMETS OVER THE CRACK AND SEAL ENTRY AREA AROUND PORT WITH SIKADUR 31 (OR APPROVED EQUAL).
3. INJECT SIKADUR 35 (OR APPROVED EQUAL) EPOXY ADHESIVE INTO THE CRACK WITH STEADY PRESSURE TO COMPLETELY FILL THE CRACK.

NOTES:

1. CONCRETE SPALL REPAIRS SHALL BE PAID FOR UNDER PAY ITEM 553003M.
2. CONCRETE CRACK REPAIRS SHALL BE PAID FOR UNDER PAY ITEM 552003M.

REV. / ISSUE	DATE	DESCRIPTION

CONSULTANT

ORIENTATION / KEY PLAN

CLIENT
STATE OF NEW JERSEY
NEW JERSEY SPORTS AND EXPOSITION AUTHORITY

PS&S PAULIUS, SOKOLOWSKI AND SARTOR, L.L.C.
3 MOUNTAINVIEW ROAD
P.O. BOX 4039
WARREN, NJ 07059
PHONE: (732) 563-0700
CERTIFICATE OF AUTHORIZATION NO. 24GA28032700

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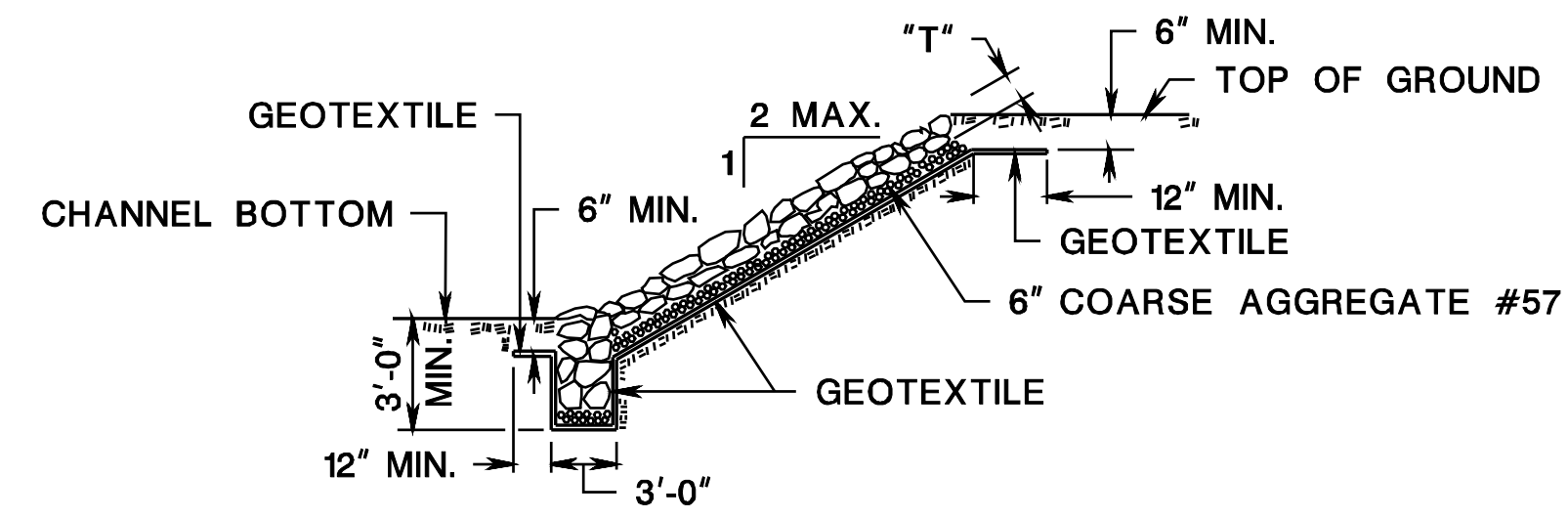
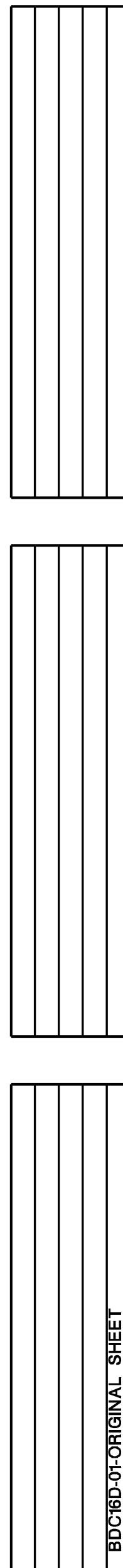
PROJECT

NJSEA
MEADOWLANDS
NORTH AND SOUTH
CONNECTORS
THE BOROUGH OF EAST RUTHERFORD
BERGEN COUNTY, NEW JERSEY

SHEET TITLE
**MISCELLANEOUS
REPAIR DETAILS &
NJ DOT# 507036P**

PROJECT NO.: 00823.0040 DRAWN BY: RD
SCALE: AS SHOWN CHECKED BY: JB
DATE: 10/11/2024 SHEET 12 OF 21
SHEET NO. **S-401**

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SLOPE PROTECTION

NOTE:
FOR WIDTHS AND SLOPES
REFER TO CONSTRUCTION
PLANS

$T = 2d_{50}$
 d_{50} = DESIGNATED MEDIAN STONE SIZE, 6" MIN.

RIPRAP STONE PROTECTION (CHANNEL / SLOPE / OUTFALL)

**SLOPE, OUTFALL, AND
CHANNEL PROTECTION**

N.T.S.
HMA = HOT MIX ASPHALT

CD-603-1

NEW JERSEY DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

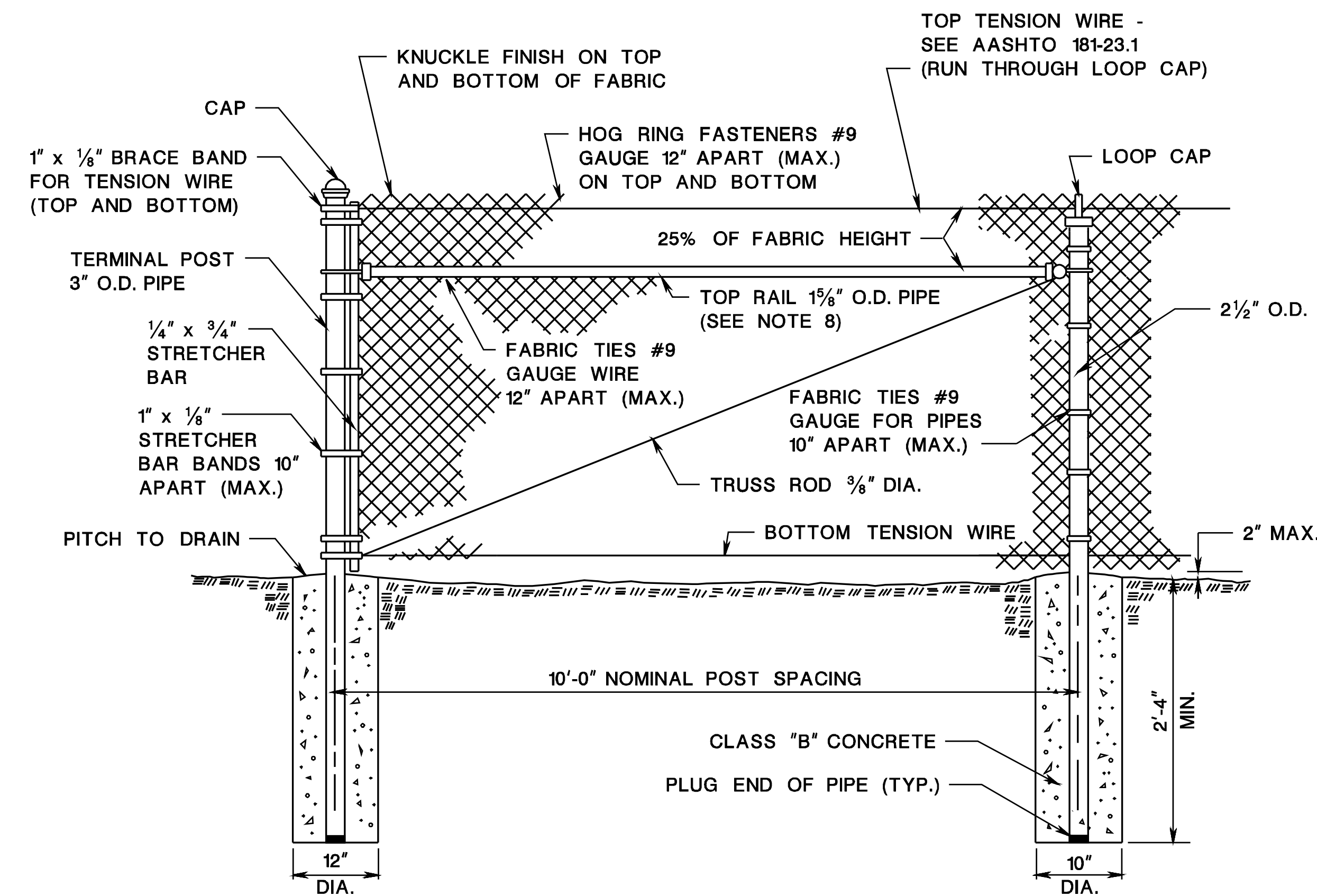
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BDC:605-01-ORIGINAL SHEET



CHAIN-LINK FENCE, ___ ' HIGH

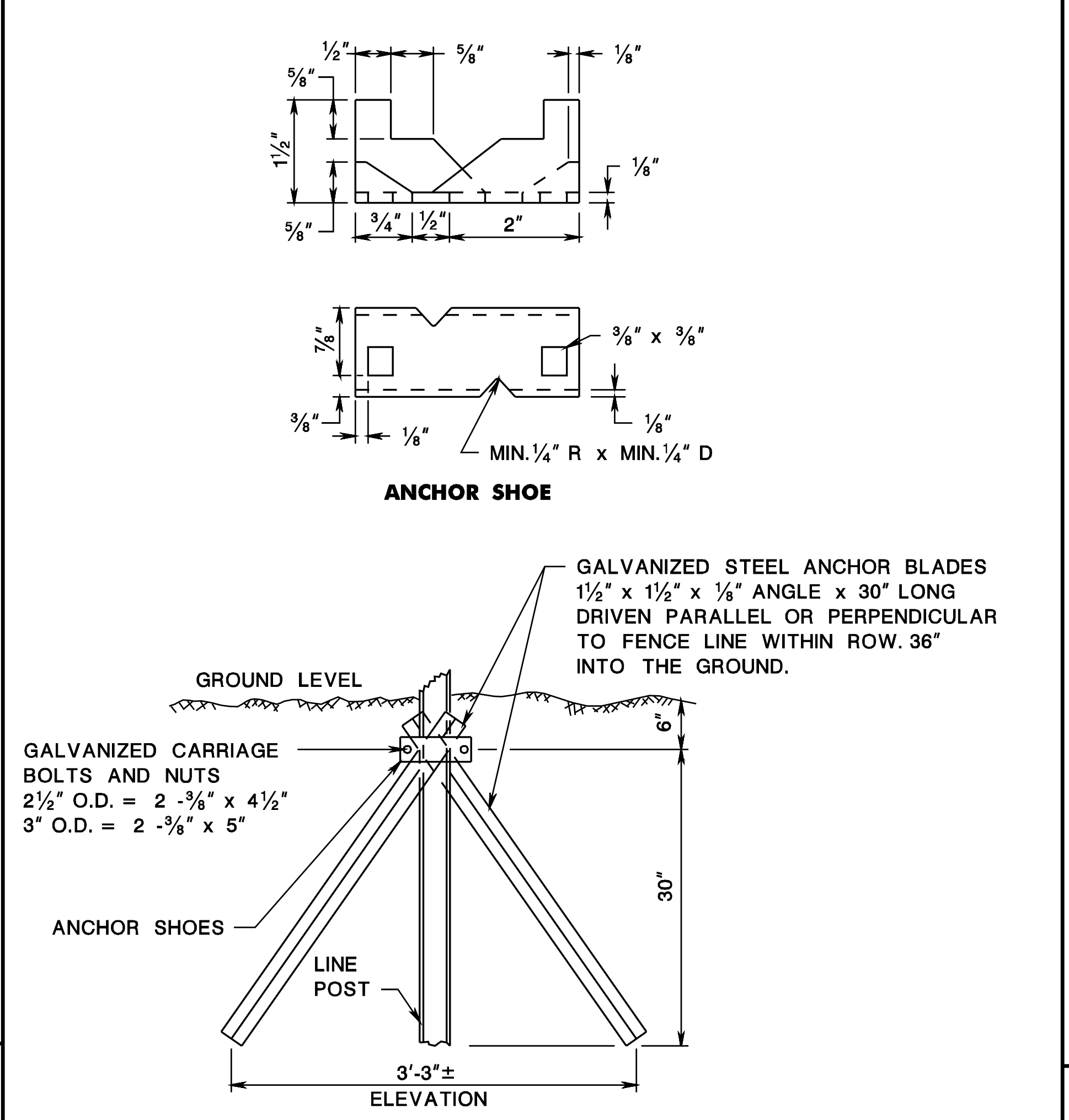
CD-605-1

GENERAL NOTES

- CHAIN-LINK FENCE FABRIC, POSTS, RAILS, TIES, BANDS, BARS, RODS, AND OTHER FITTINGS AND HARDWARE TO CONFORM TO AASHTO M181 FOR TYPES, GRADES, AND CLASSES, AND AS NOTED BELOW.
- POSTS:

	TERMINAL, CORNER, AND GATE POSTS	LINE POSTS	TOP OR BRACE RAIL
	3" O.D. PIPE	2 1/2" O.D. PIPE	1 5/8" O.D. PIPE
AASHTO TYPE	I OR II	I OR II	I OR II
AASHTO GRADE	1 OR 2	1 OR 2	1 OR 2
MINIMUM LENGTH OF POST FOR			
4' FABRIC	6'-8"	6'-8"	NA
5' FABRIC	7'-8"	7'-8"	NA
6' FABRIC	8'-8"	8'-8"	NA
ACTUAL OUTSIDE DIAMETER (IN.)	2.875	2.375	1.660
WALL THICKNESS (IN.)	GRADE 1 = .203 GRADE 2 = .160	GRADE 1 = .154 GRADE 2 = .120	GRADE 1 = .140 GRADE 2 = .111
- FABRIC:
 - TYPE II AND TYPE IV TO BE 9 GAUGE CORE WIRE, 2 INCH MESH
 - TYPE IV FABRIC TO BE CLASS A OR B.
 - TYPE IV FABRIC TO BE GREY IN COLOR, AND MATCH FEDERAL STANDARD 595A, COLOR CHIP NO. 26493 (SEMI-GLOSS), UNLESS OTHERWISE SPECIFIED IN THE SPECIAL PROVISIONS.
- THE CENTERLINE OF ALL POSTS NOT TO BE LESS THAN 8" INSIDE ROW.
- THE DEPTH OF CONCRETE FOOTINGS IN SOLID ROCK MAY BE REDUCED TO ONE FOOT BELOW THE TOP OF ROCK AND THE DIAMETER OF THE HOLE IN ROCK MAY BE REDUCED TO 3 1/2".
- FURNISH BRACE BANDS AND STRETCHER BAR BANDS WITH 5/16" DIA. CARRIAGE BOLTS AND ELASTIC STOP NUTS.
- USE DRIVE ANCHOR SHOE ASSEMBLY ONLY IN WET AREAS AND WITH PRIOR APPROVAL OF THE RE.
- WHEN THE PLANS INDICATE A TERMINAL OR CORNER POST DESIGNATED TYPE NR, THE TOP RAIL IS TO BE ELIMINATED FROM THIS SECTION OF FENCE.

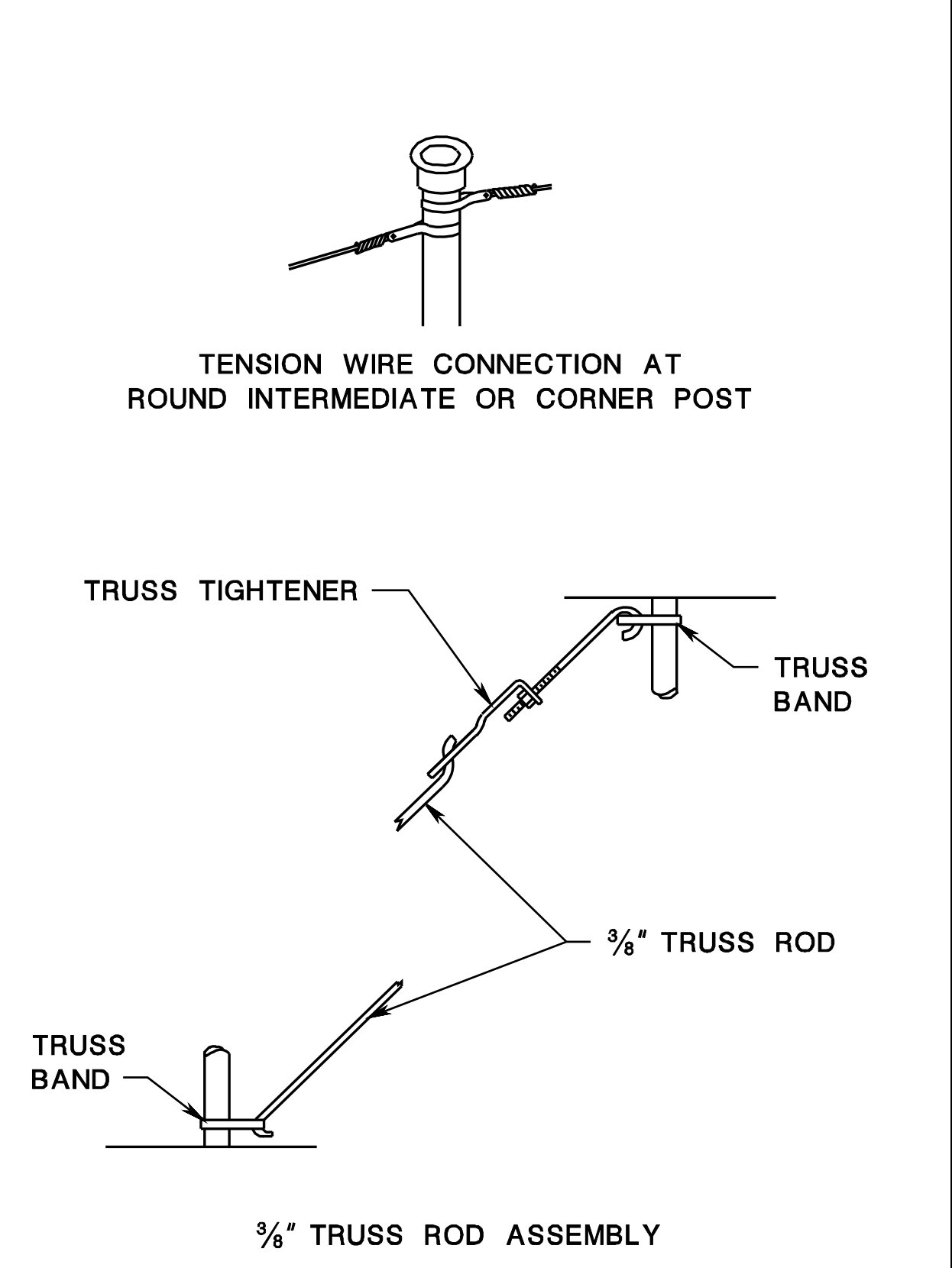
CD-605-1.4



DRIVE ANCHOR SHOE ASSEMBLY

(SEE NOTE 7)

CD-605-1.2



CHAIN-LINK FENCE ASSEMBLIES

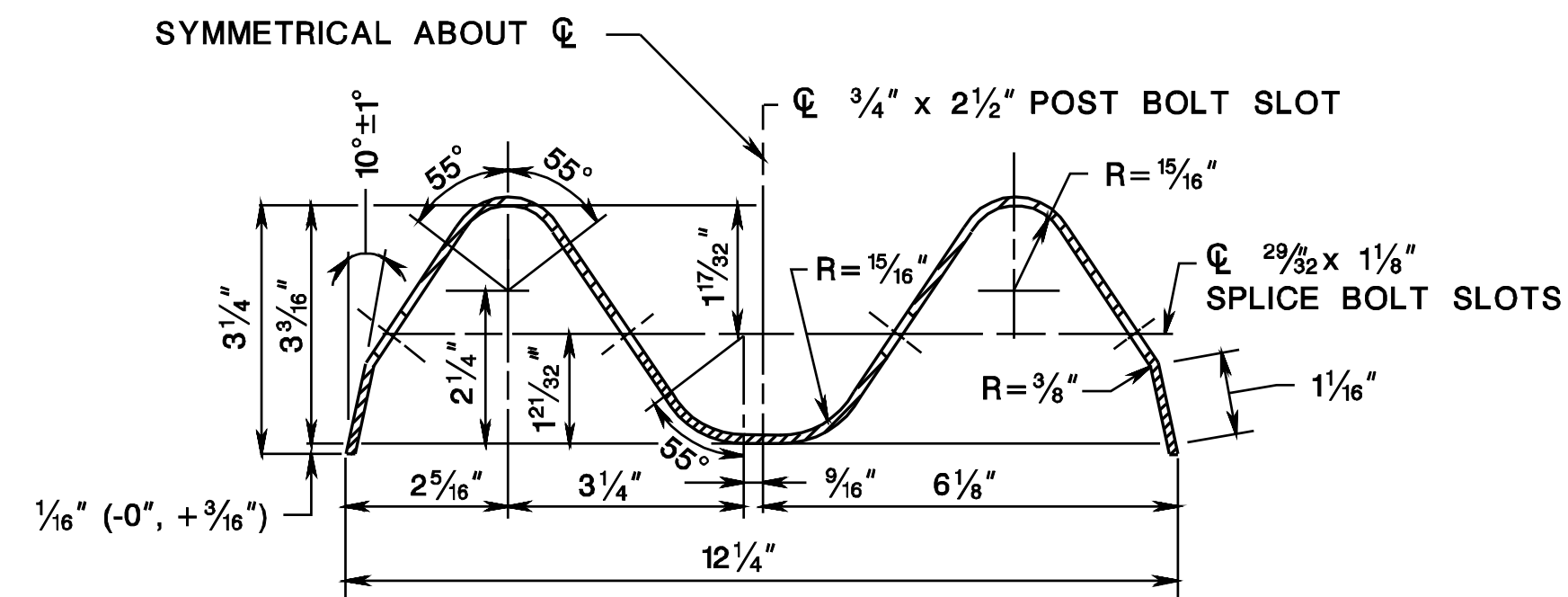
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CHAIN-LINK FENCE
N.T.S.

CD-605-1

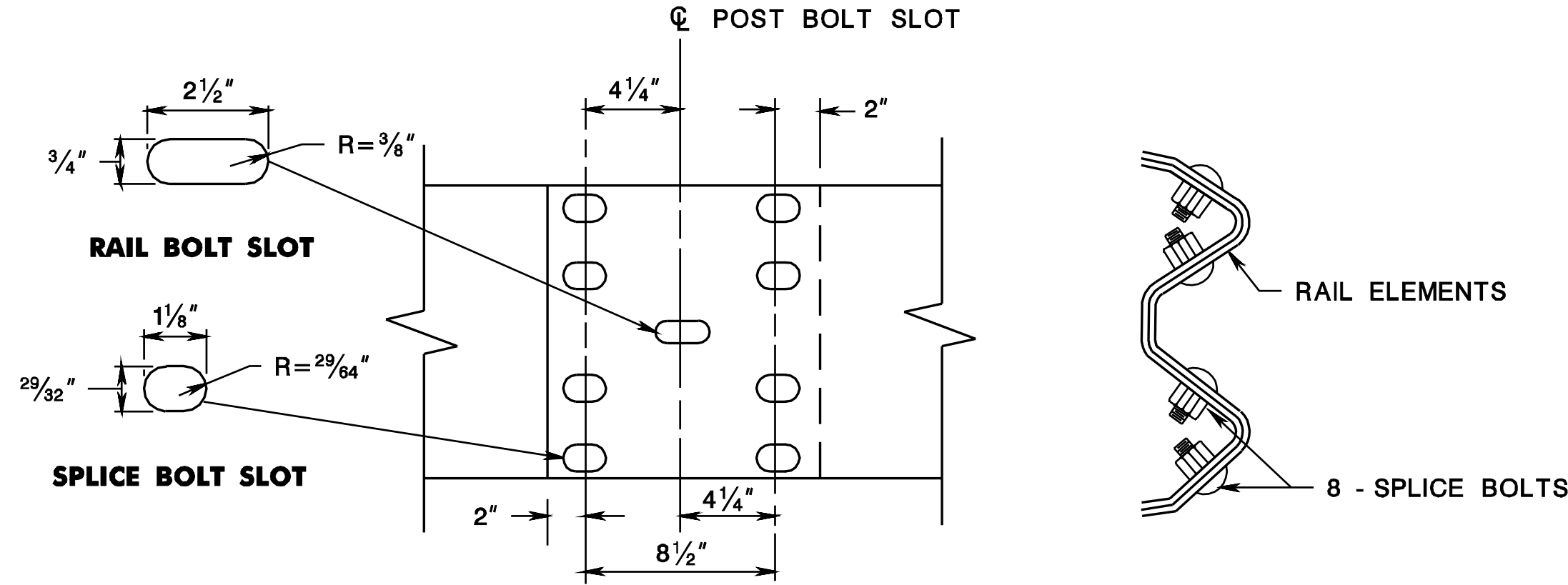
NEW JERSEY DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

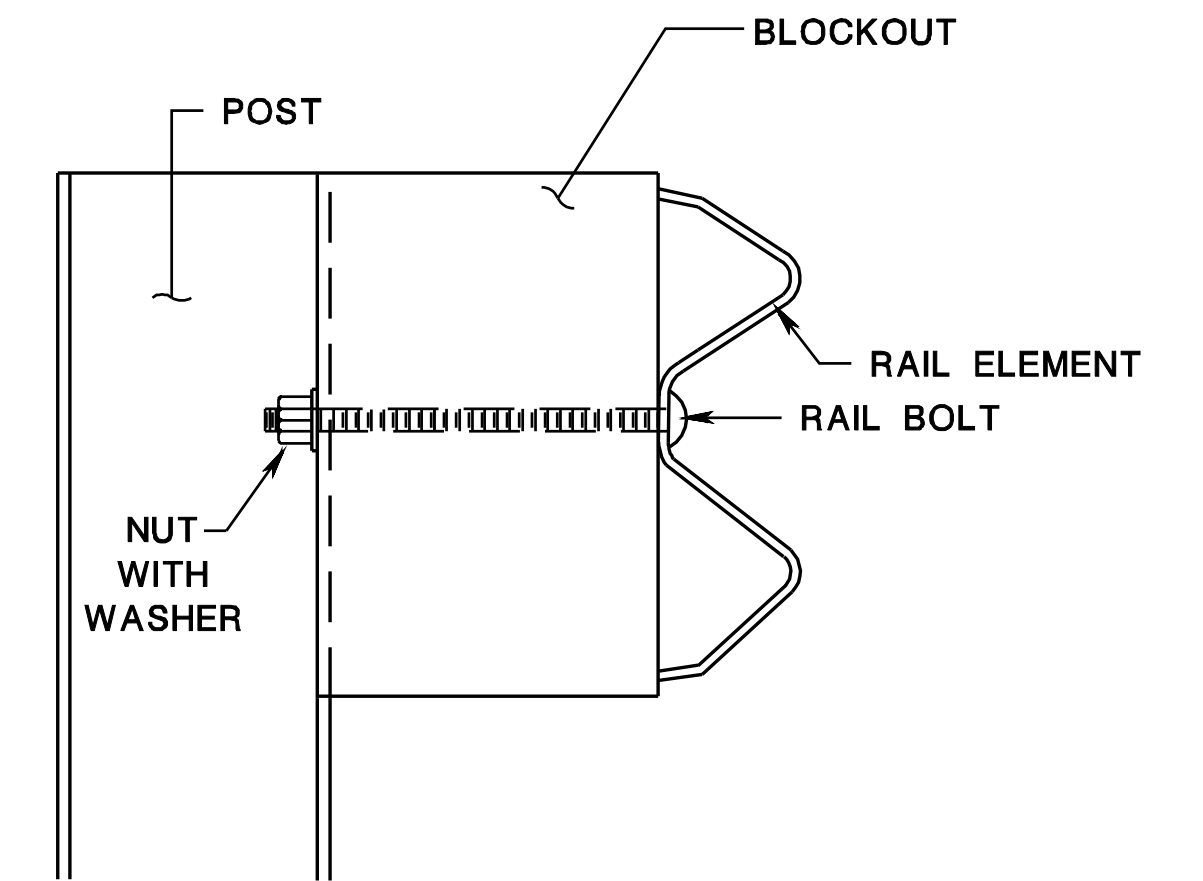


RAIL ELEMENT TO BE SUPPLIED IN LENGTHS OF 13'-6 1/2" OR 26'-0 1/2"

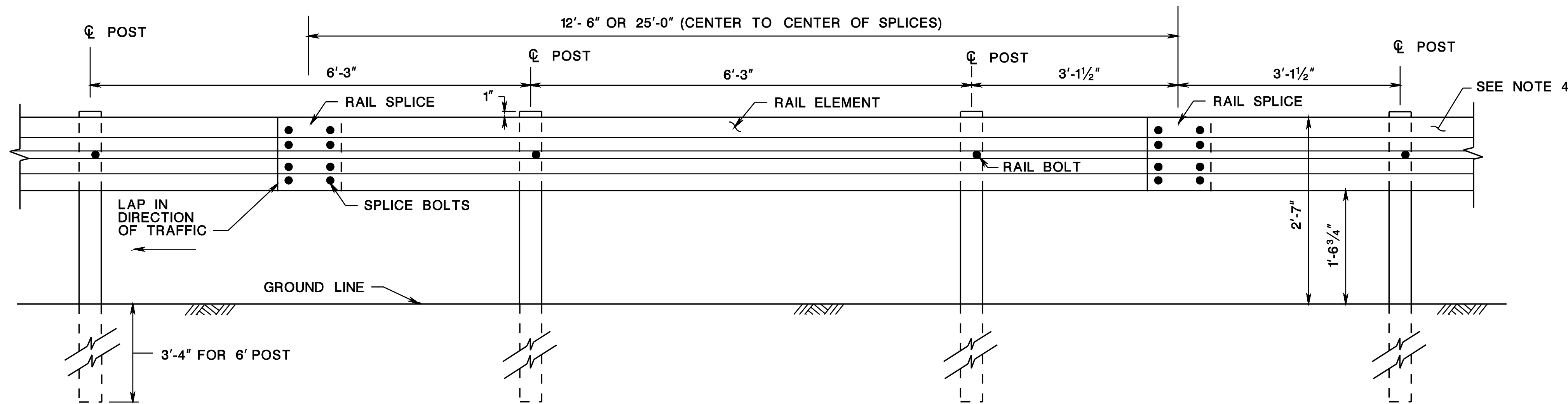
W-BEAM RAIL ELEMENT



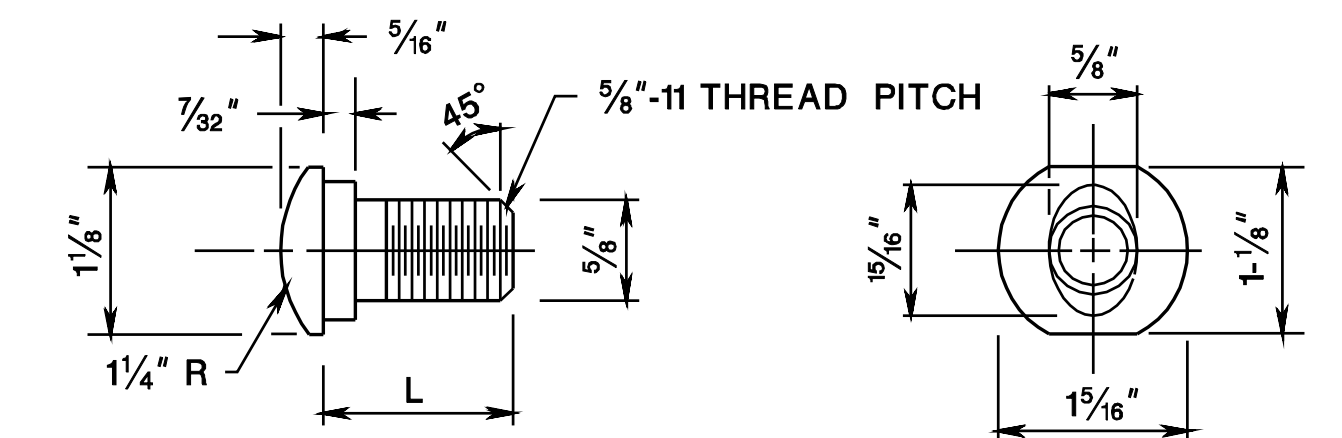
RAIL SPLICE



BEAM GUIDE RAIL POST ASSEMBLY



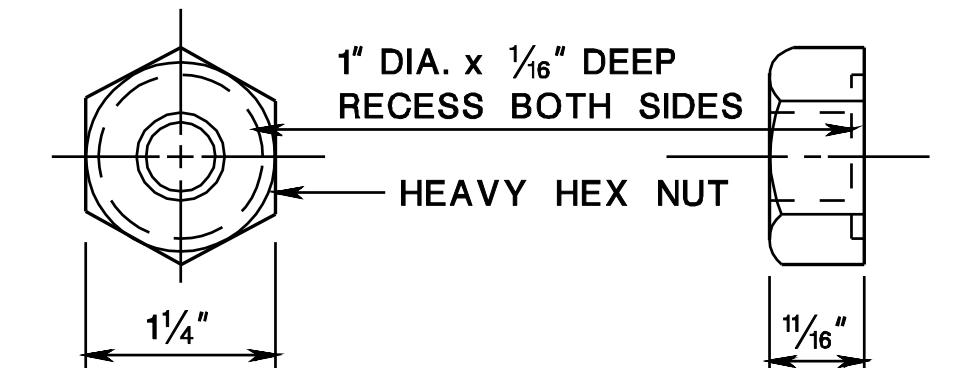
BEAM GUIDE RAIL



STEEL WASHER

TYPE	L	MIN. THREAD LENGTH
SPLICE	1 1/4"	FULL LENGTH THREAD
RAIL	9 1/2"	1 3/4"

5/8" DIA. BUTTON HEAD BOLT

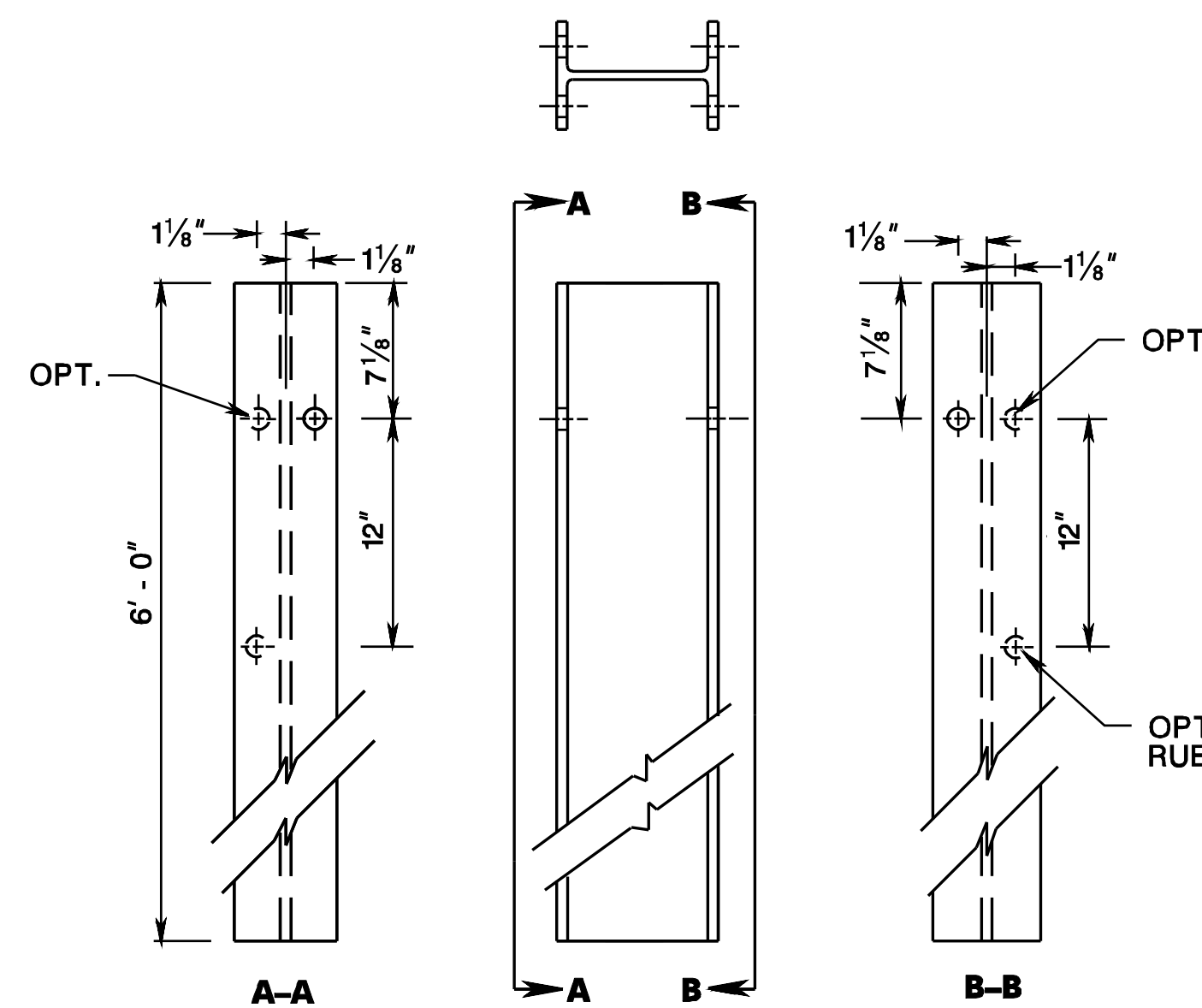


5/8" DIA. RECESS NUT

SPLICE & RAIL NUT & BOLT

BEAM GUIDE RAIL (MASH TL-3)

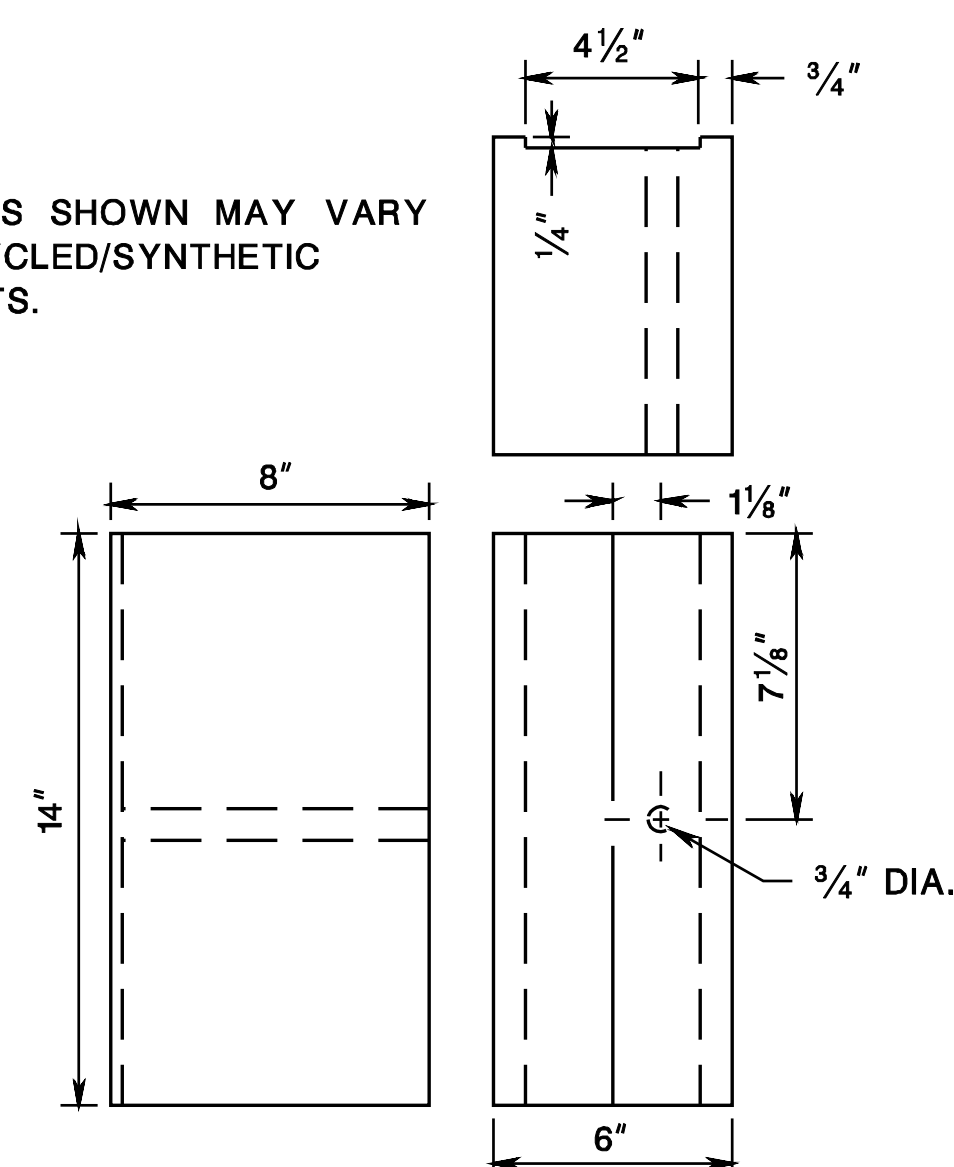
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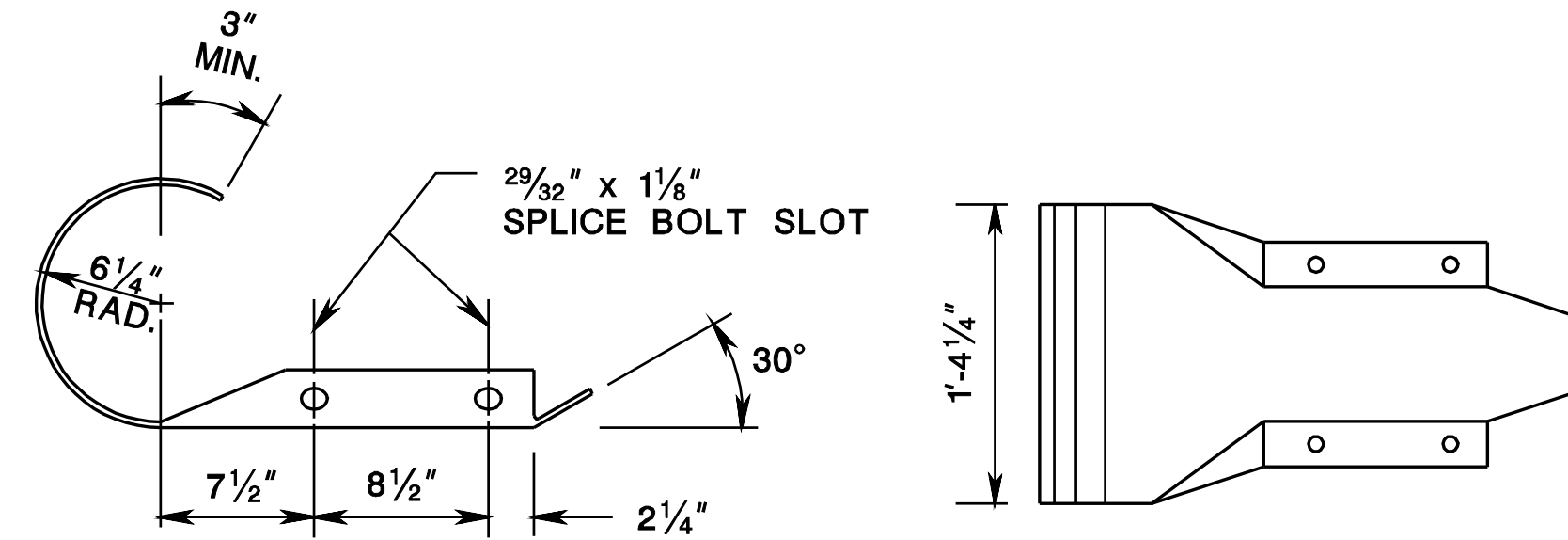
W6x8.5 OR W6x9 STEEL POST

6' POST

NOTE: ALL HOLES 13/16" DIA.



APPROVED RECYCLED/
SYNTHETIC MATERIALS
6"x8"x14" BLOCKOUT



END SECTION (ROUNDED)

NOTES:

- ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
- FURNISH RAIL ELEMENTS SHOPCURVED, CONCAVE OR CONVEX, FOR RADII BETWEEN 20 AND 150 FEET.
- WHERE TRANSITIONING TO EXISTING GUIDE RAIL, AN END TERMINAL, OR A CRASH CUSHION MOUNTED AT A HEIGHT OTHER THAN 2'-7", THE VERTICAL TRANSITION TO BE ACCOMPLISHED IN A MINIMUM LENGTH OF 12'-6" FOR EACH 2" OF VERTICAL CHANGE. SEE CD-609-8.
- INSTALL AN END TERMINAL AS SHOWN ON THE PLANS. USE THE END SECTION (ROUNDED) ON THE END OF THE RAIL ELEMENT WHERE DUAL FACED BEAM GUIDE RAIL ENDS AND SINGLE FACED BEAM GUIDE RAIL BEGINS.

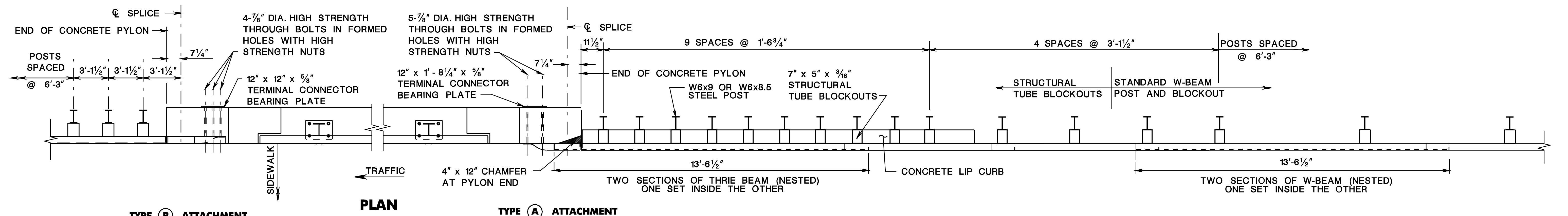
NEW JERSEY DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

CD-609-1

CD-609-1.1

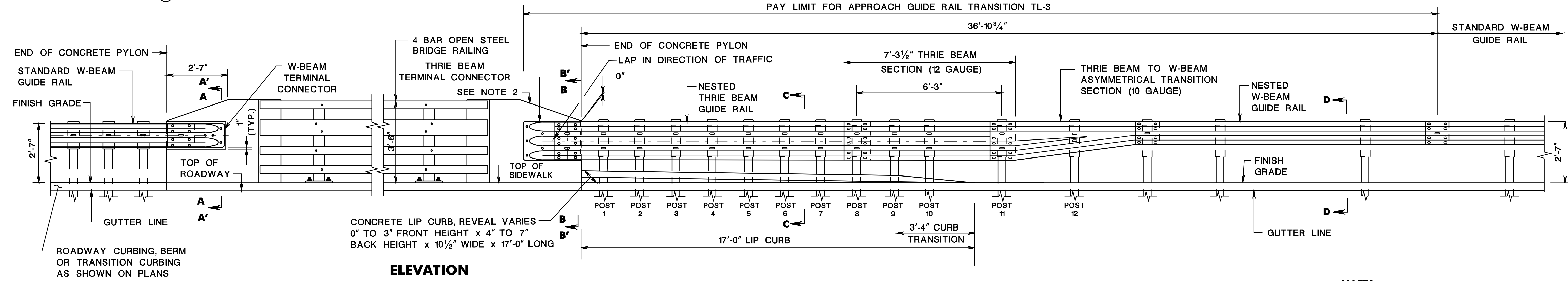
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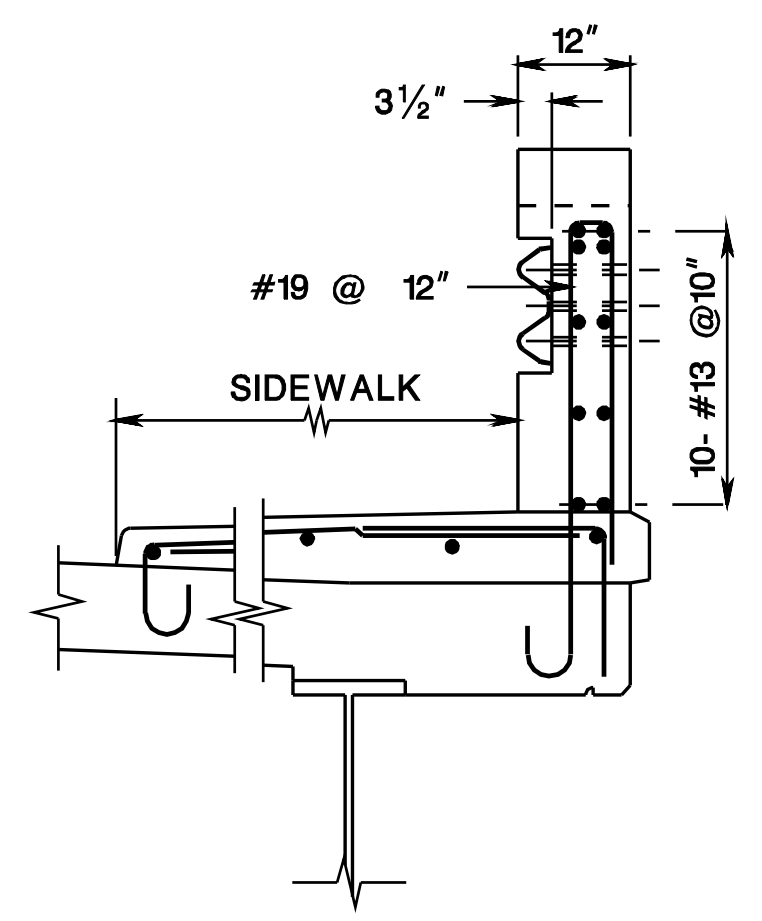
TYPE B ATTACHMENT

PLAN

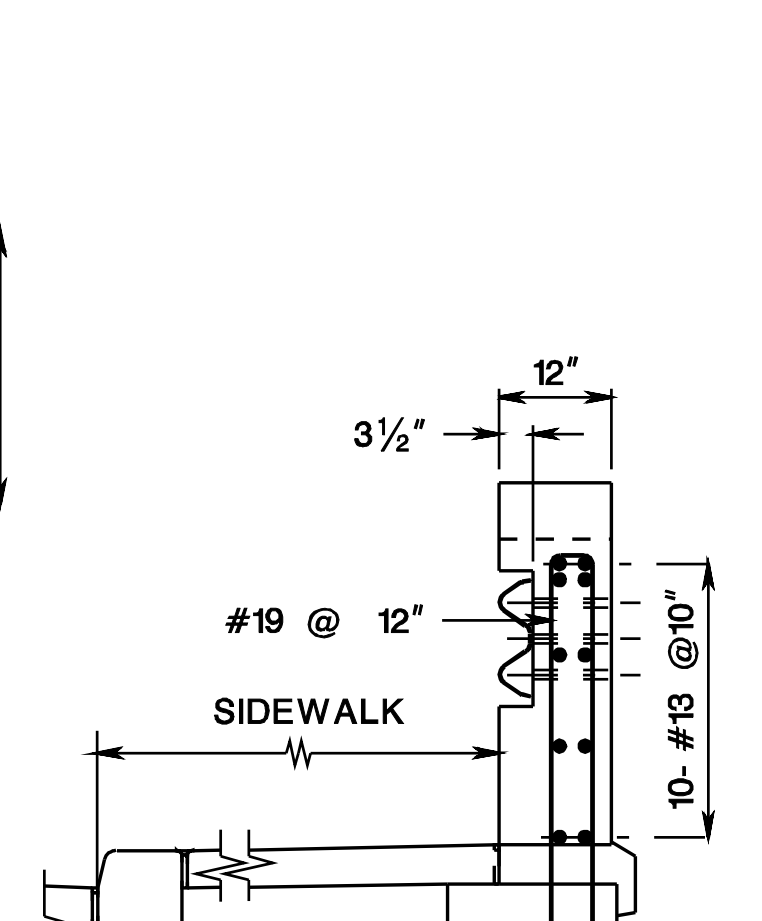
TYPE A ATTACHMENT



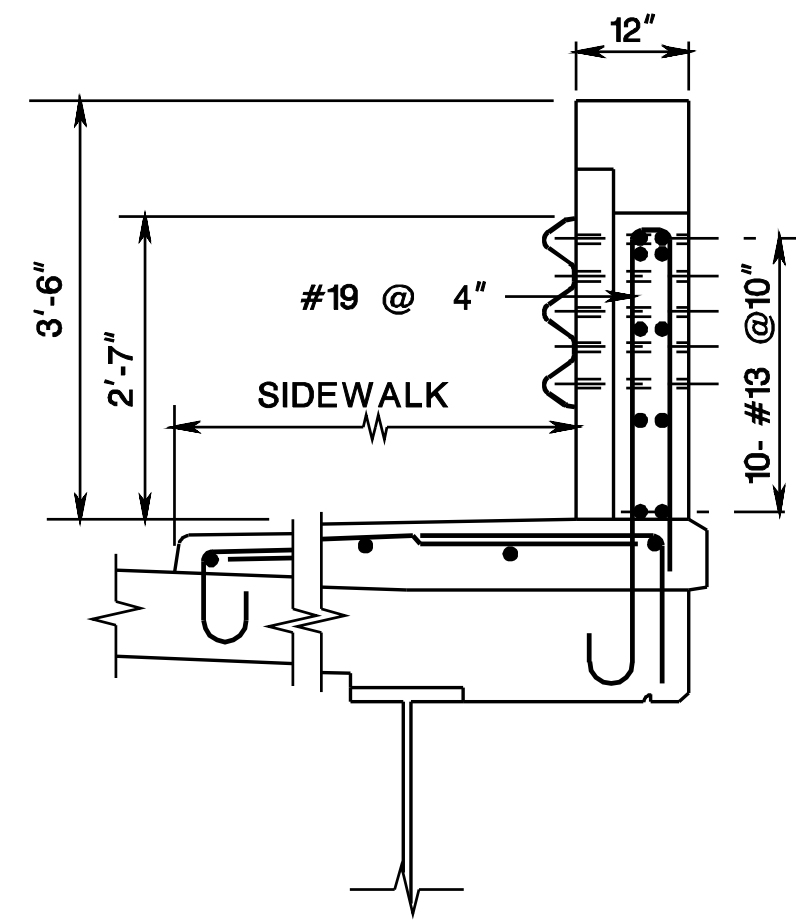
ELEVATION



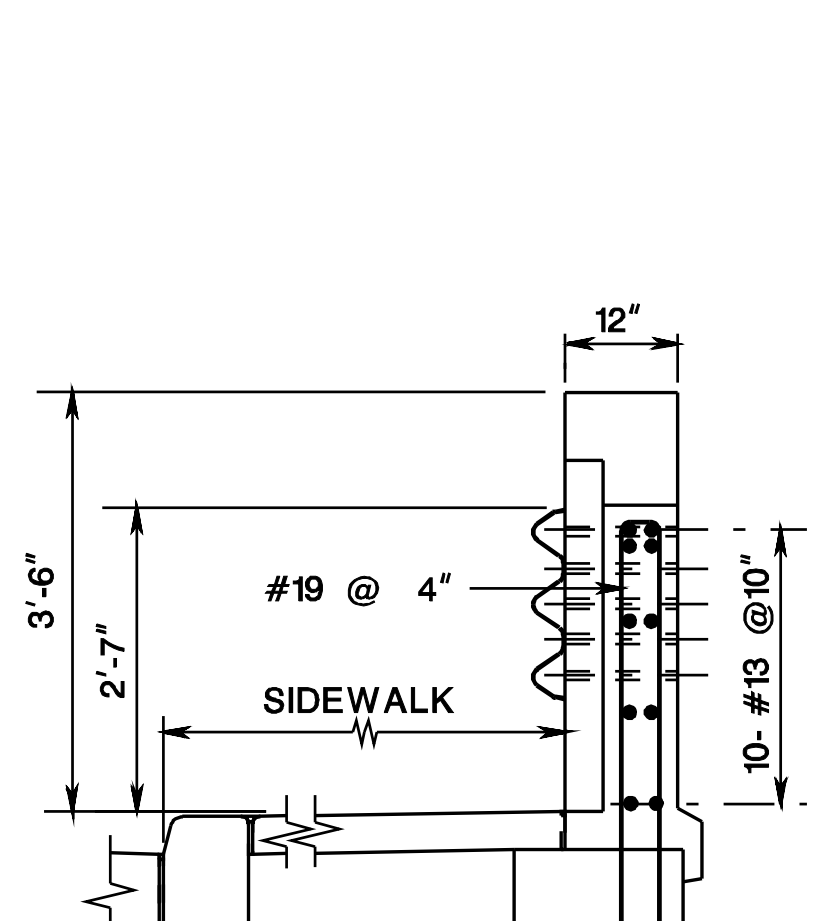
SECTION: A-A (ON SPAN)



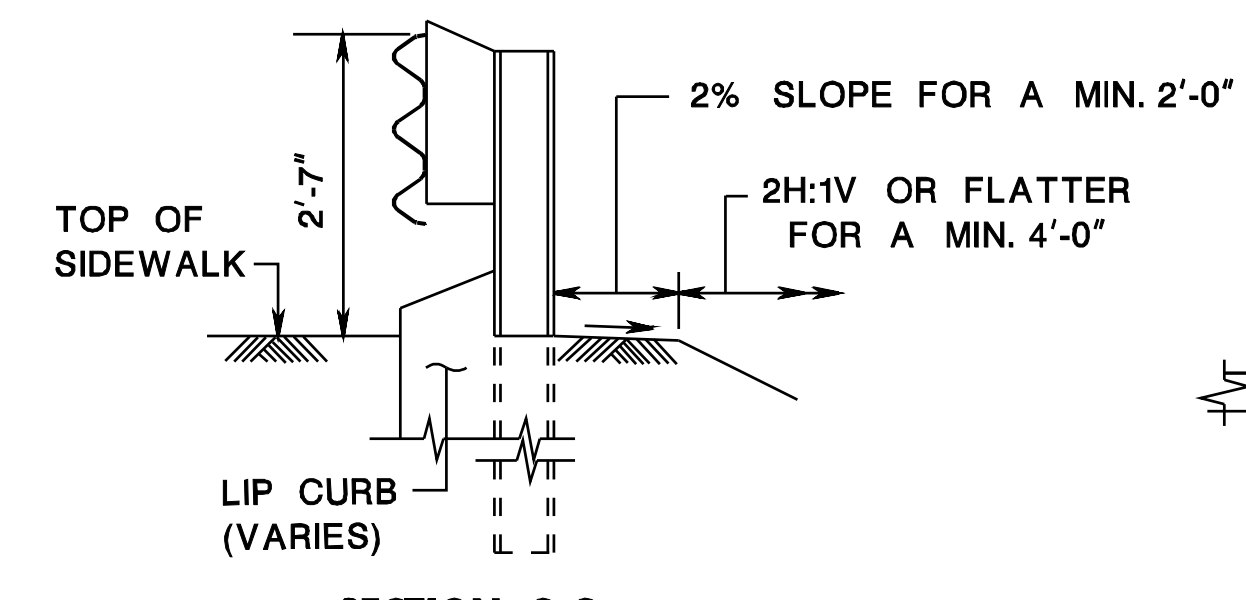
SECTION: A'-A' (ON WINGWALL)



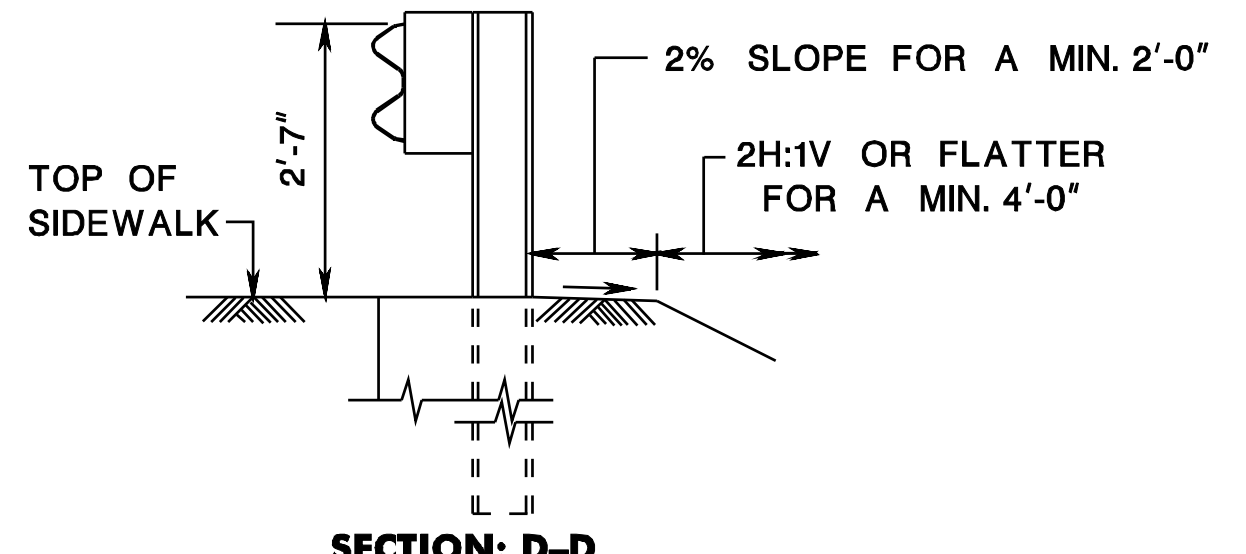
SECTION: B-B (ON SPAN)



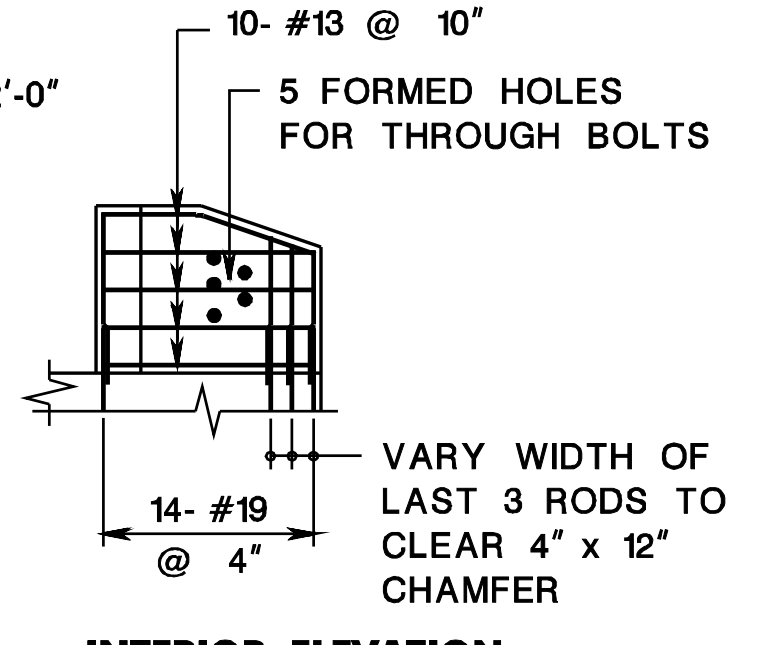
SECTION: B'-B' (ON WINGWALL)



SECTION: C-C



SECTION: D-D



INTERIOR ELEVATION PYLON REINFORCEMENT TYPE A ATTACHMENT

- NOTES:**
1. SEE CD-609-13 FOR ADDITIONAL NOTES AND DETAILS.
 2. THE TAPER MUST BE 5:1 OR FLATTER WITH 8:1 DESIRABLE. SEE BRIDGE PLANS FOR TAPER LENGTH.
 3. REINFORCEMENT STEEL IS IN METRIC UNITS.
 4. FOR ADDITIONAL PARAPET DETAILS AND DIMENSIONS, SEE BCD-507-11 & BCD-507-12.
 5. THIS DETAIL MAY BE USED FOR A 4'-2" HIGH, HEAVY TRUCK PARAPET AS SHOWN IN BCD-507-8.

BEAM GUIDE RAIL ATTACHMENTS

N.T.S.

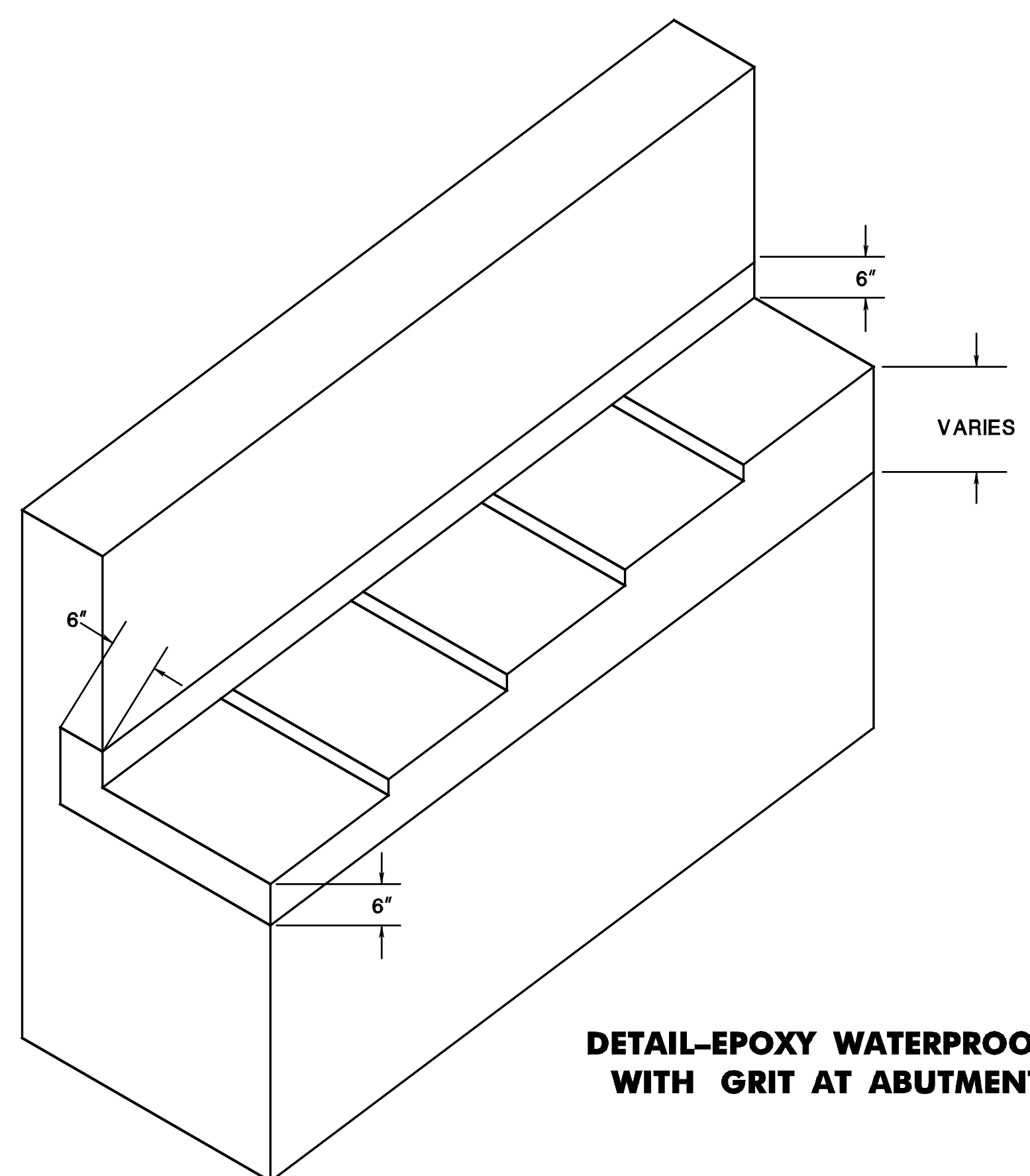
CD-609-17

NEW JERSEY DEPARTMENT OF TRANSPORTATION

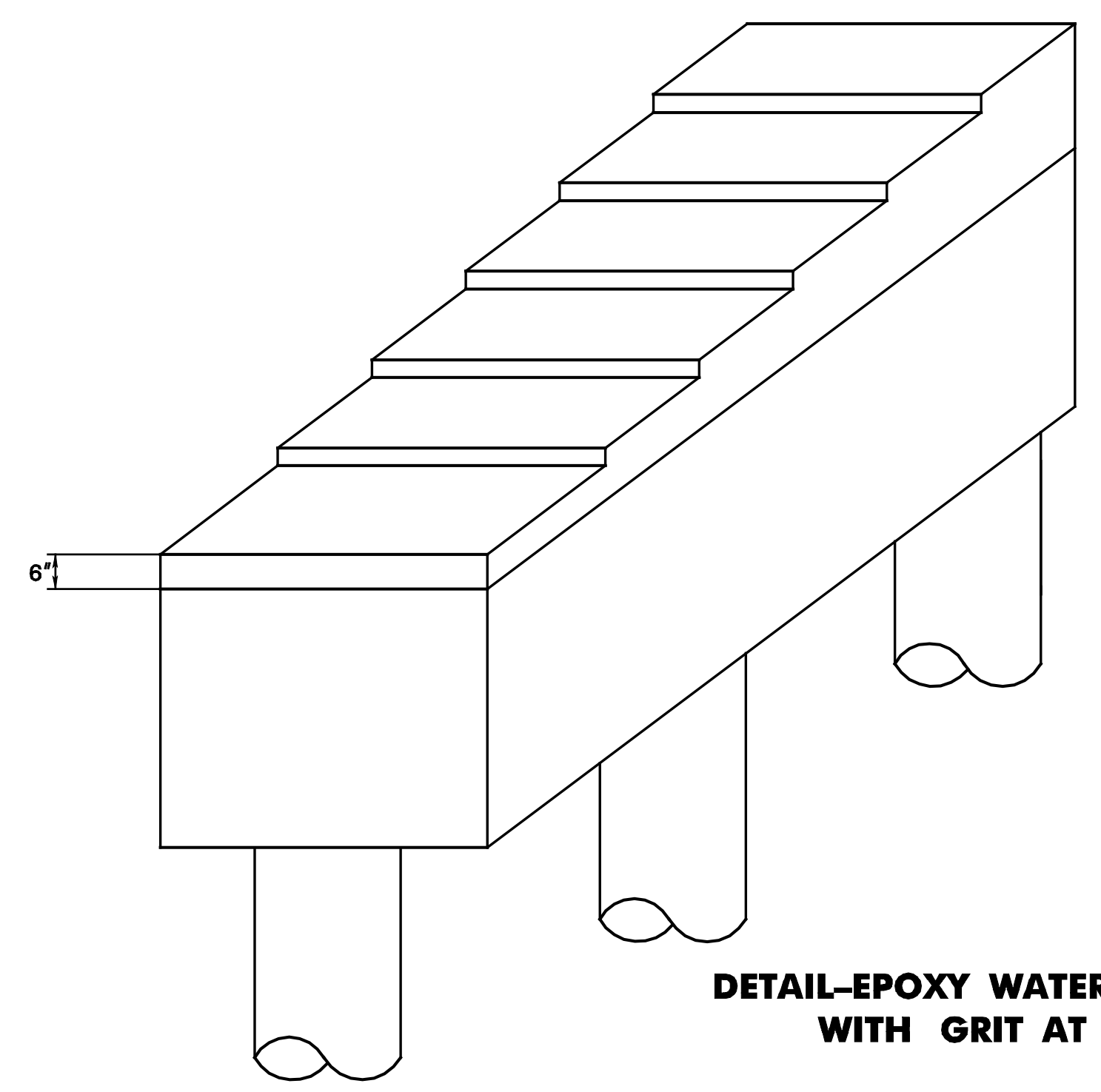
CONSTRUCTION DETAILS

**GUIDE RAIL ATTACHMENT - NEW CONSTRUCTION - DESIGN SPEED GREATER THAN 45 MPH (MASH TL-3)
 SIDEWALK WITH 4 BAR OPEN STEEL BRIDGE RAILING PARAPET**

CD-609-17.1

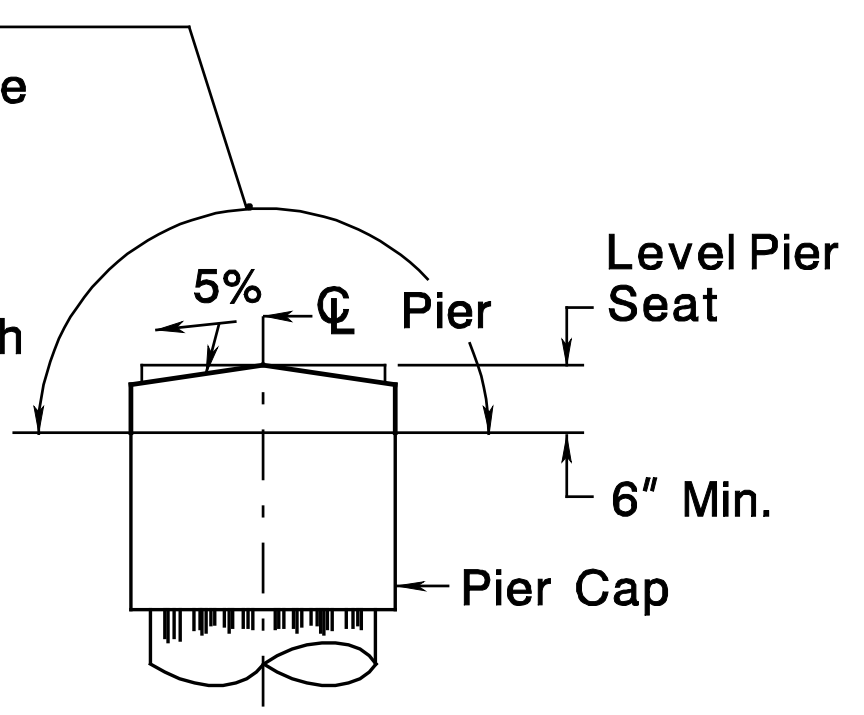


DETAIL-EPOXY WATERPROOFING WITH GRIT AT ABUTMENTS

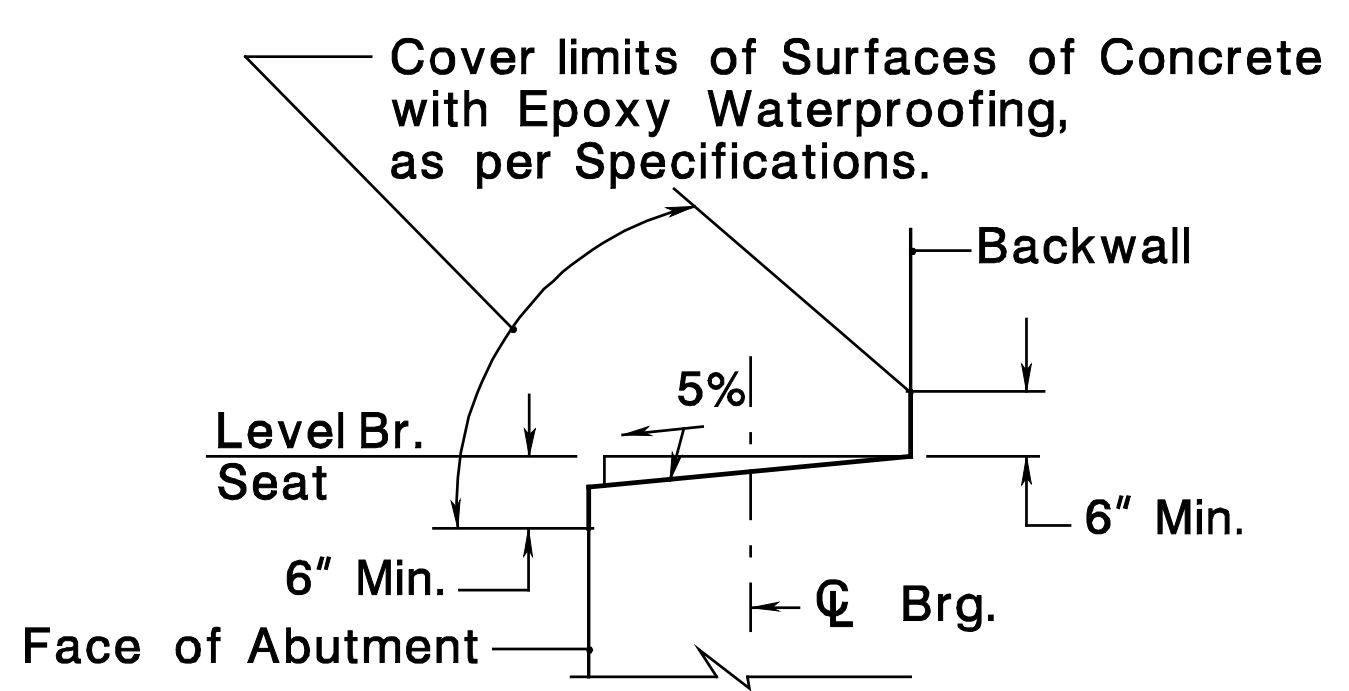


DETAIL-EPOXY WATERPROOFING WITH GRIT AT PIERS

Epoxy Limits
 1. Full length for Simple Span.
 2. From end of Pier Cap to 2'-0" inside the centerline of each Fascia Stringer for continuous deck.



LIMITS AT PIER



LIMITS AT ABUTMENT

Cover limits of Surfaces of Concrete with Epoxy Waterproofing, as per Specifications.

TYPICAL DETAILS

N.T.S.

NEW JERSEY DEPARTMENT OF TRANSPORTATION
 BUREAU OF STRUCTURAL ENGINEERING

BRIDGE CONSTRUCTION DETAILS

BCD-504-2

BCD-504-2.1

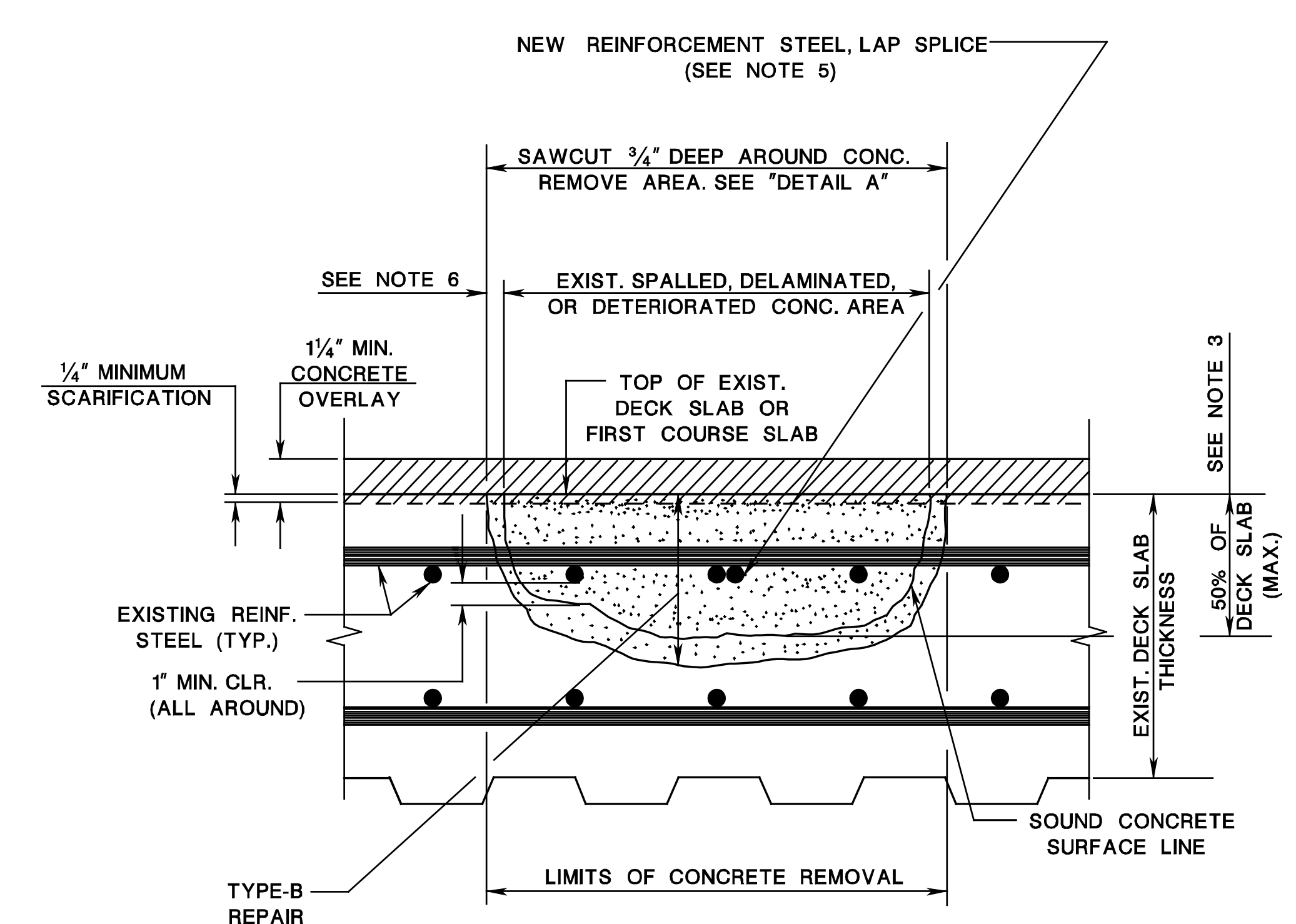
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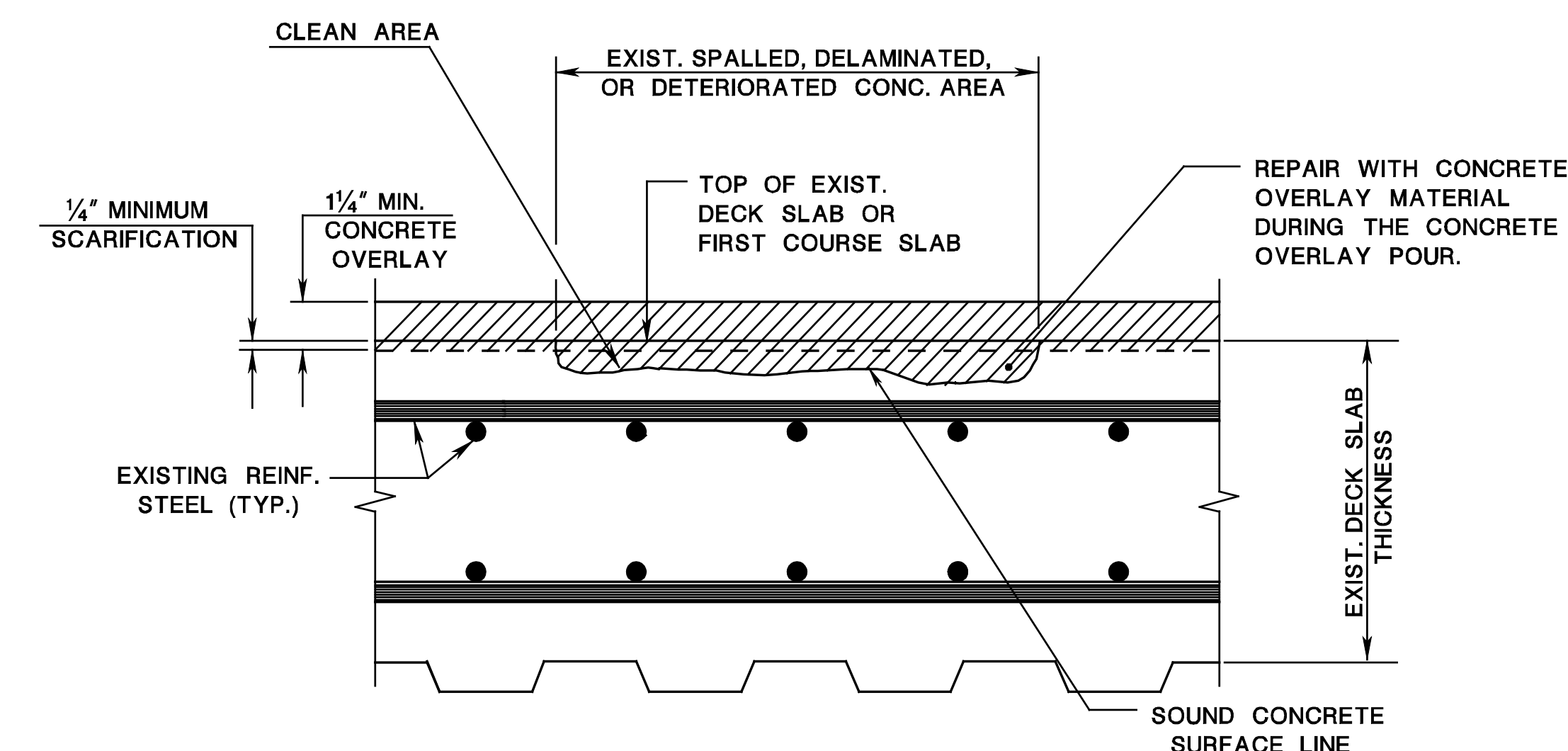
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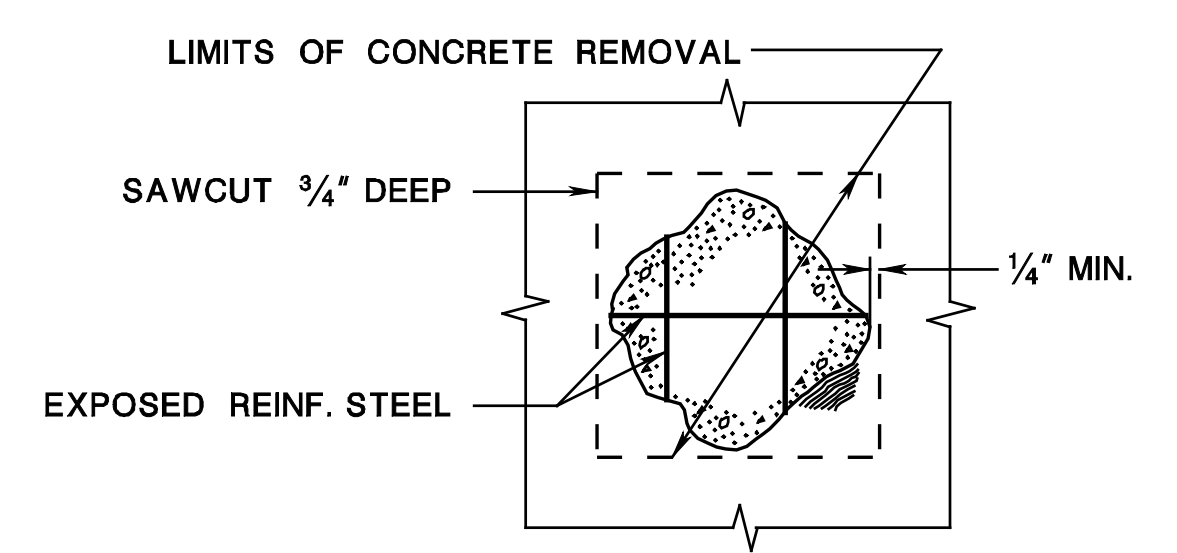
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REPAIR TYPE-B
(SEE NOTE 2)



TYPICAL REPAIR DETAIL FOR MINOR SPALLED AREAS
(SEE NOTE 1)



LIMITS OF REPAIR AREA (PLAN VIEW)
(SEE NOTE 7)

NOTES:

1. CLEAN SPALLED, DELAMINATED, AND DETERIORATED CONCRETE AREAS AND REPAIRED WITH THE CONCRETE OVERLAY TYPE USED FOR THE OVERLAY PLACEMENT, OR CLASS A CONCRETE MAY BE USED.
2. REPAIR TYPE-B: REMOVE ALL DETERIORATED AND DELAMINATED CONCRETE TO A MINIMUM DEPTH OF 1" BELOW THE BOTTOM OF THE TOP LAYER OF EXISTING REINFORCEMENT STEEL TO A MAXIMUM OF 50% OF THE THICKNESS OF THE EXISTING CONCRETE DECK.
3. REPAIR TYPE-C: REMOVE ALL DETERIORATED AND DELAMINATED CONCRETE, AND IF THE SOUND CONCRETE SURFACE IS LOCATED AT A DEPTH GREATER THAN 50% OF THE DECK THICKNESS WHEN MEASURED FROM THE TOP OF THE DECK, PERFORM TYPE-C REPAIR UPON APPROVAL OF THE RE, AS SHOWN IN THE DETAIL "REPAIR TYPE-C". IF THE BOTTOM MAT OF THE DECK REINFORCEMENT STEEL IS EXPOSED, REPLACE THE DECK SLAB TO FULL DEPTH IN THIS AREA OF EXPOSURE.
4. ENSURE THAT THE TOP SURFACE OF THE CONCRETE FOR TYPE-B AND TYPE-C REPAIRS IS EVEN WITH THE ADJACENT TOP OF EXISTING DECK SLAB AND TO MAINTAIN THE EXISTING GRADES AND CROSS SLOPES.
5. PLACE NEW CORROSION PROTECTED REINFORCEMENT STEEL TO SUPPLEMENT AN EXISTING REINFORCEMENT STEEL WHEN AN EXISTING ONE HAS A SECTION LOSS OF 25% OR MORE OF THE ORIGINAL CROSS SECTION, AS DETERMINED BY THE RE, OR THE EXISTING REINFORCEMENT STEEL IS BROKEN. THE NEW ONE TO EXTEND 30 BAR DIAMETERS IN EACH DIRECTION FROM WHERE THE SECTION LOSS OR BREAK ENDS. MODIFY THE LIMITS OF THE REPAIR AREA TO MEET THE REINFORCEMENT STEEL SPLICE LAP REQUIREMENTS.
6. REMOVE FOR REPAIR TYPE-B AND TYPE-C SOUND CONCRETE TO A DEPTH OF 1/4" MINIMUM TO 1" MAXIMUM IN ALL DIRECTIONS, EXCEPT THAT THE MAXIMUM LIMIT MAY BE MODIFIED UPON APPROVAL OF THE RE.
7. UPON APPROVAL OF THE RE, MODIFY THE LIMITS OF CONCRETE REMOVAL AS SHOWN IN THE "LIMITS OF REPAIR AREA (PLAN VIEW)" WHEN SUPPLEMENTARY REINFORCEMENT STEEL IS REQUIRED.
8. DECK REINFORCEMENT STEEL DETAILS SHOWN ARE GENERAL. ACTUAL REINFORCEMENT STEEL SPACINGS AND LOCATIONS WILL VARY FROM BRIDGE TO BRIDGE.
9. PLACE NEW REINFORCEMENT STEEL AT THE SAME LEVEL ALONGSIDE THE EXISTING DETERIORATED OR BROKEN REINFORCEMENT STEEL.
10. BEFORE PLACEMENT OF THE OVERLAY, REMOVE ALL PREVIOUSLY PATCHED AREAS COMPLETELY.

BRIDGE DECK REHABILITATION WITH CONCRETE OVERLAY

N.T.S.

NEW JERSEY DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURAL ENGINEERING

BCD-551-1

BRIDGE CONSTRUCTION DETAILS

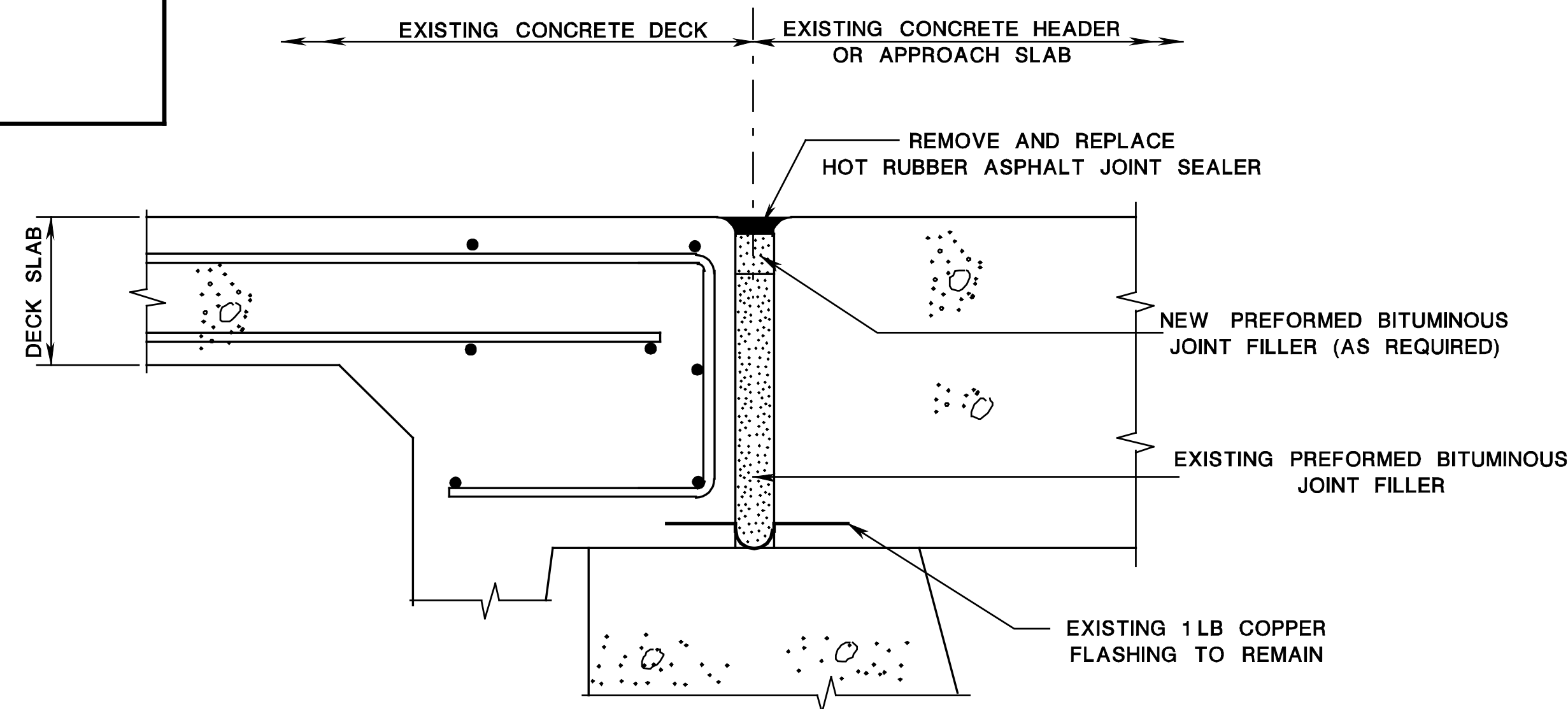
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NOTES:

1. ENSURE THAT ALL NEW REINFORCEMENT STEEL IS DESIGNATED IN METRIC UNITS AND CORROSION PROTECTED.
2. "DECK JOINT RECONSTRUCTION" AND "HEADER RECONSTRUCTION" MUST INCLUDE:
 - A. 3/4" SAWCUT AS SHOWN IN JOINT DETAILS.
 - B. REMOVE CONCRETE AND DISPOSE OF MATERIALS TO LIMITS SHOWN AND REPLACE WITH CONCRETE.
 - C. REMOVE PREFORMED BITUMINOUS JOINT FILLER (IF ANY) TO DEPTH SHOWN OR AS DIRECTED BY THE RE.
 - D. BLOCKING FOR PROPOSED PREFORMED ELASTOMERIC JOINT SEALER.
 - E. REPLACEMENT OF CORROSION PROTECTED REINFORCEMENT STEEL.
 - F. PROPOSED PREFORMED BITUMINOUS JOINT FILLER WHERE REQUIRED.
 - G. DRILL AND FILL HOLES WITH NON-SHRINK GROUT.
 - H. SAWCUTTING THE CURB AND SIDEWALK TO INSTALL THE SEALER.
3. PROVIDE AS REQUIRED ARMORED JOINT.

BCD-551-4.3



DECK JOINT RE-SEAL AT ABUTMENT

**BRIDGE DECK REHABILITATION
DECK JOINT REPAIR (SHEET 2 OF 2)**

N.T.S.

BCD-551-4

NEW JERSEY DEPARTMENT OF TRANSPORTATION
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BRIDGE CONSTRUCTION DETAILS

BCD-551-4.5

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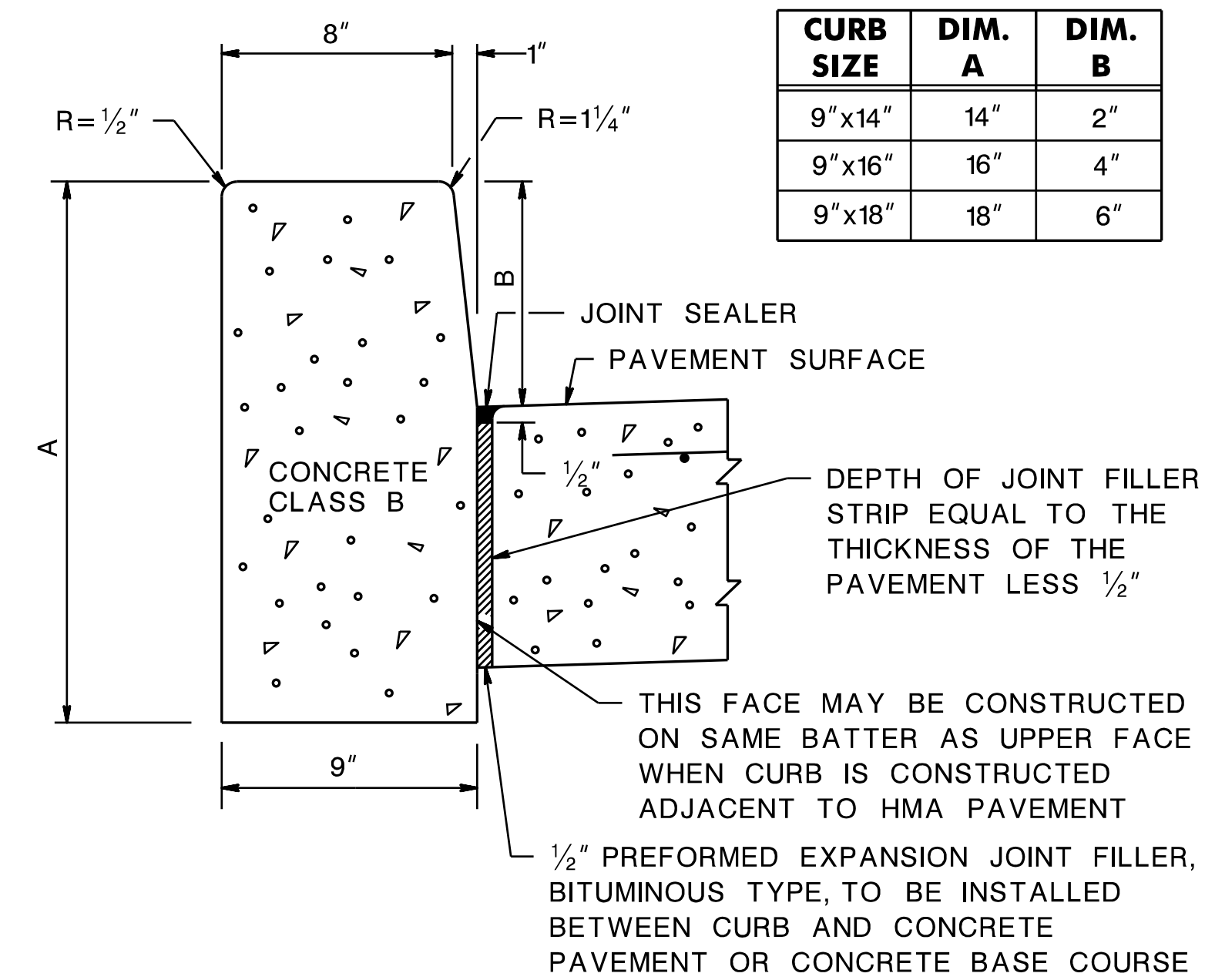
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GENERAL NOTES APPLYING TO ALL TYPES OF DOWELLED CURBS

1. CONSTRUCT THE TRANSVERSE JOINTS AS SPECIFIED FOR THE CURB, EXCEPT THAT THE THICKNESS OF THE JOINT FILLER IN THE CURB TO BE AS FOLLOWS:
 - (a) 1/2 INCH FOR INTERMEDIATE JOINTS AND JOINTS OVER DEFINITE CRACKS.
 - (b) 1/2 INCH OVER PAVEMENT JOINTS WHERE SLAB LENGTH IS 50 FEET OR LESS.
 - (c) 1 INCH OVER PAVEMENT JOINTS WHERE SLAB LENGTH IS MORE THAN 50 FEET VARIABLE IN MULTIPLES OF 1/2 INCH BUT NOT LESS THAN THE EXISTING WIDTH OF THE TRANSVERSE JOINTS IN BRIDGES AND THE JOINTS BETWEEN THE APPROACH SLABS AND BRIDGES.
2. FOR THICKNESS OF 1 INCH OR MORE, LAYERS OF 1/2 INCH MATERIAL MAY BE GLUED OR OTHERWISE FASTENED TOGETHER BY A MEANS SATISFACTORY TO THE RE. WHERE THE REQUIRED JOINT OPENING EXCEEDS 1 INCH, THE CONTRACTOR MAY CONSTRUCT OPEN JOINTS, IF DESIRED.
3. WHERE DOWELLED CURB IS TO BE CONSTRUCTED ACROSS A LONGITUDINAL JOINT IN THE EXISTING PAVEMENT, THE DOWELS IN THE SHORTER PORTION OF THE CURB PANEL ARE TO BE OMITTED AND THE CURB IN THE PORTION OF THE PANEL TO BE CONSTRUCTED WITH 45# SMOOTH ROLL ROOFING BETWEEN IT AND THE EXISTING PAVEMENT.

CD-607-1.1



CONCRETE AND GRANITE CURB

N.T.S.

NOTE:
REINFORCEMENT STEEL IS IN METRIC UNITS.
HMA = HOT MIX ASPHALT

CD-607-1

NEW JERSEY DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

BDC7D-10-9"x14" VERTICAL CURB - ADDED
 BDC7D-02-REVISIONS TO CD-607-1.9
 BDC6D-01-ORIGINAL SHEET