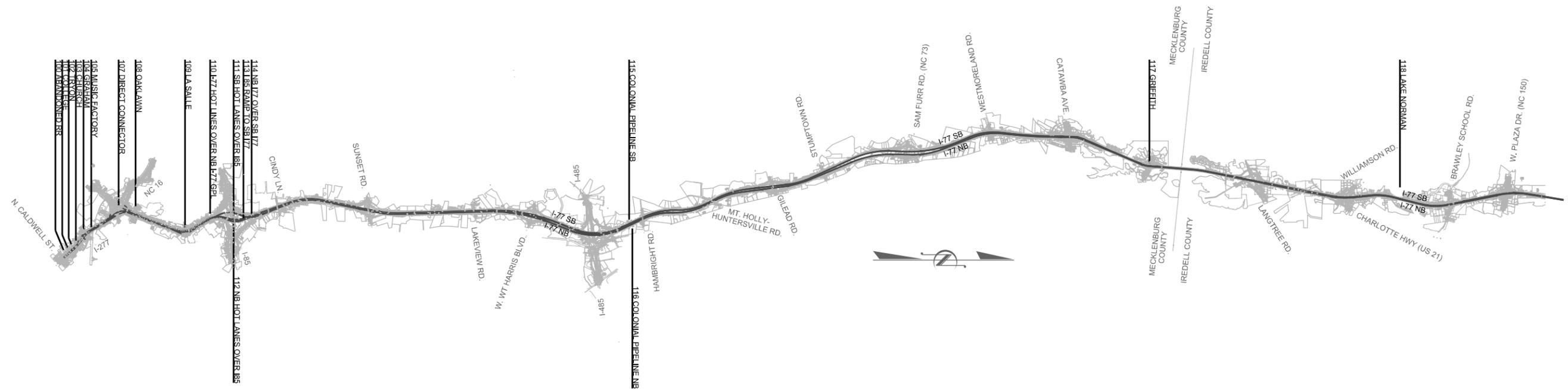


MECKLENBURG & IREDELL COUNTIES

I-77 HOT LANES

02 / 26 / 2014

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BRIDGES AND SURFACE STRUCTURES CONCEPTS

PRELIMINARY PLANS
 SUBJECT TO CHANGE DURING DETAIL DESIGN
 DO NOT USE FOR CONSTRUCTION



SHEET NO.	SHEET SET NO.	BRIDGE NO.	TITLE
01	1 OF 1		TITLE SHEET
02	1 OF 1		INDEX OF SHEETS
03	1 OF 1	BRIDGE 100590322	I-277 OVER ABANDONED RR. PLAN&PROFILE
04	1 OF 1	BRIDGE 100590322	I-277 OVER ABANDONED RR. TYPICAL SECTION
05	1 OF 1	BRIDGE 101590326	I-277 OVER N COLLEGE ST. PLAN&PROFILE
06	1 OF 1	BRIDGE 101590326	I-277 OVER N COLLEGE ST. TYPICAL SECTION
07	1 OF 1	BRIDGE 102590327	I-277 OVER N TRYON ST. PLAN&PROFILE
08	1 OF 1	BRIDGE 102590327	I-277 OVER N TRYON ST. TYPICAL SECTION
09	1 OF 1	BRIDGE 103590328	I-277 OVER N CHURCH ST. PLAN&PROFILE
10	1 OF 1	BRIDGE 103590328	I-277 OVER N CHURCH ST. TYPICAL SECTION
11	1 OF 1	BRIDGE 104590330	I-277 OVER N GRAHAM ST. PLAN&PROFILE
12	1 OF 1	BRIDGE 104590330	I-277 OVER N GRAHAM ST. TYPICAL SECTION
13	1 OF 3	BRIDGE 105590332	I-277 OVER JOHNSON ST/NC MUSIC FACTORY BLVD/RR. PLAN&PROFILE
14	2 OF 3	BRIDGE 105590332	I-277 OVER JOHNSON ST/NC MUSIC FACTORY BLVD/RR. PLAN&PROFILE
15	3 OF 3	BRIDGE 105590332	I-277 OVER JOHNSON ST/NC MUSIC FACTORY BLVD/RR. PLAN&PROFILE
16	1 OF 1	BRIDGE 105590332	I-277 OVER JOHNSON ST/NC MUSIC FACTORY BLVD/RR. TYPICAL SECTION
17	1 OF 5	BRIDGE 107590XXX	DIRECT CONNECTOR I77-I277. PLAN&PROFILE
18	2 OF 5	BRIDGE 107590XXX	DIRECT CONNECTOR I77-I277. PLAN&PROFILE
19	3 OF 5	BRIDGE 107590XXX	DIRECT CONNECTOR I77-I277. PLAN&PROFILE
20	4 OF 5	BRIDGE 107590XXX	DIRECT CONNECTOR I77-I277. PLAN&PROFILE
21	5 OF 5	BRIDGE 107590XXX	DIRECT CONNECTOR I77-I277. PLAN&PROFILE
22	1 OF 1	BRIDGE 107590XXX	DIRECT CONNECTOR I77-I277. TYPICAL SECTION
23	1 OF 1	BRIDGE 108590286	OAKLAWN AVE OVER I-77. PLAN&PROFILE
24	1 OF 1	BRIDGE 108590286	OAKLAWN AVE OVER I-77. TYPICAL SECTION
25	1 OF 1	BRIDGE 109590153	SR 2712 (LA SALLE ST) OVER I-77. PLAN&PROFILE
26	1 OF 1	BRIDGE 109590153	SR 2712 (LA SALLE ST) OVER I-77. TYPICAL SECTION
27	1 OF 2	BRIDGE 110590YYY	I-77 HOT LINES OVER NB I-77 GPL. PLAN&PROFILE
28	2 OF 2	BRIDGE 110590YYY	I-77 HOT LINES OVER NB I-77 GPL. PLAN&PROFILE
29	1 OF 1	BRIDGE 110590YYY	I-77 HOT LINES OVER NB I-77 GPL. TYPICAL SECTION
30	1 OF 1	BRIDGE 111591037	SB HOT LANES OVER I-85. PLAN&PROFILE
31	1 OF 1	BRIDGE 111591037	SB HOT LANES OVER I-85. TYPICAL SECTION
32	1 OF 1	BRIDGE 112590ZZZ	NB HOT LANES OVER I-85. PLAN&PROFILE
33	1 OF 1	BRIDGE 112590ZZZ	NB HOT LANES OVER I-85. TYPICAL SECTION
34	1 OF 1	BRIDGE 113591036	HOT LANES OVER WB I-85 RAMP TO SB I-77. PLAN&PROFILE
35	1 OF 1	BRIDGE 113591036	HOT LANES OVER WB I-85 RAMP TO SB I-77. TYPICAL SECTION
36	1 OF 2	BRIDGE 114590308	NB I-77 OVER SB I-77. PLAN&PROFILE
37	2 OF 2	BRIDGE 114590308	NB I-77 OVER SB I-77. PLAN&PROFILE
38	1 OF 1	BRIDGE 114590308	NB I-77 OVER SB I-77. TYPICAL SECTION
39	1 OF 1	BRIDGE 115590352	I-77 OVER COLONIAL PIPELINE (177 SB). PLAN&PROFILE
40	1 OF 1	BRIDGE 115590352	I-77 OVER COLONIAL PIPELINE (177 SB). TYPICAL SECTION
41	1 OF 1	BRIDGE 116590351	I-77 OVER COLONIAL PIPELINE (177 NB). PLAN&PROFILE
42	1 OF 1	BRIDGE 116590351	I-77 OVER COLONIAL PIPELINE (177 NB). TYPICAL SECTION
43	1 OF 1	BRIDGE 117590364	GRIFFITH ST OVER I-77. PLAN&PROFILE
44	1 OF 1	BRIDGE 117590364	GRIFFITH ST OVER I-77. TYPICAL SECTION
45	1 OF 1	BRIDGE 118480052-3	I-77 OVER LAKE NORMAN (177 NB). PLAN&PROFILE
46	1 OF 1	BRIDGE 118480052-3	I-77 OVER LAKE NORMAN (177 NB). TYPICAL SECTION
47	1 OF 1		RETAINING WALL DETAILS
48	1 OF 1		NOISE WALL DETAILS

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ALL BRIDGE LIMITS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.

PROJECT NO. I-77 HOT LANES
MECKLENBURG/IREDELL COUNTY
STATION: _____

SHEET 1 OF 1

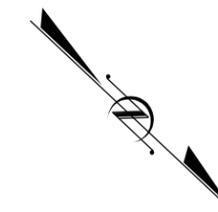
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

INDEX OF SHEETS

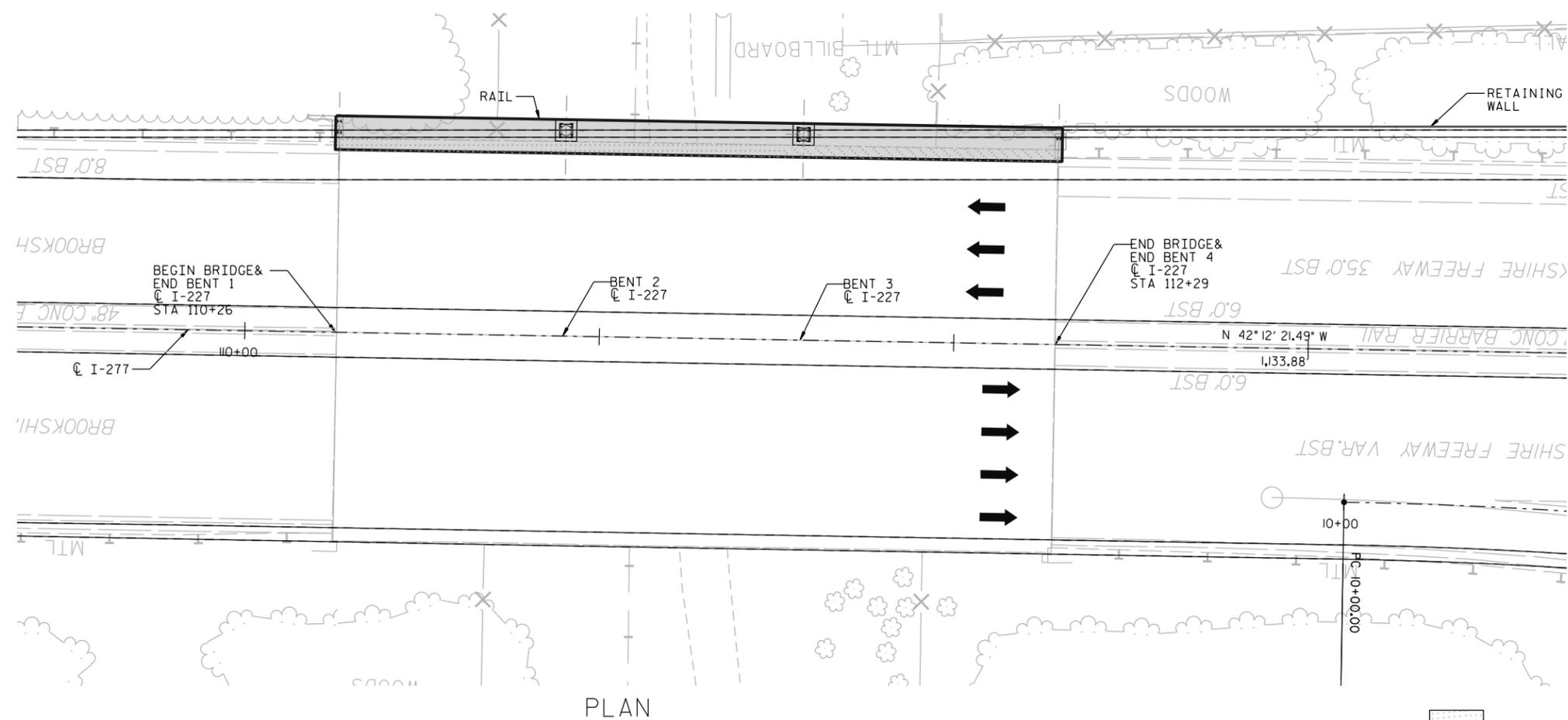
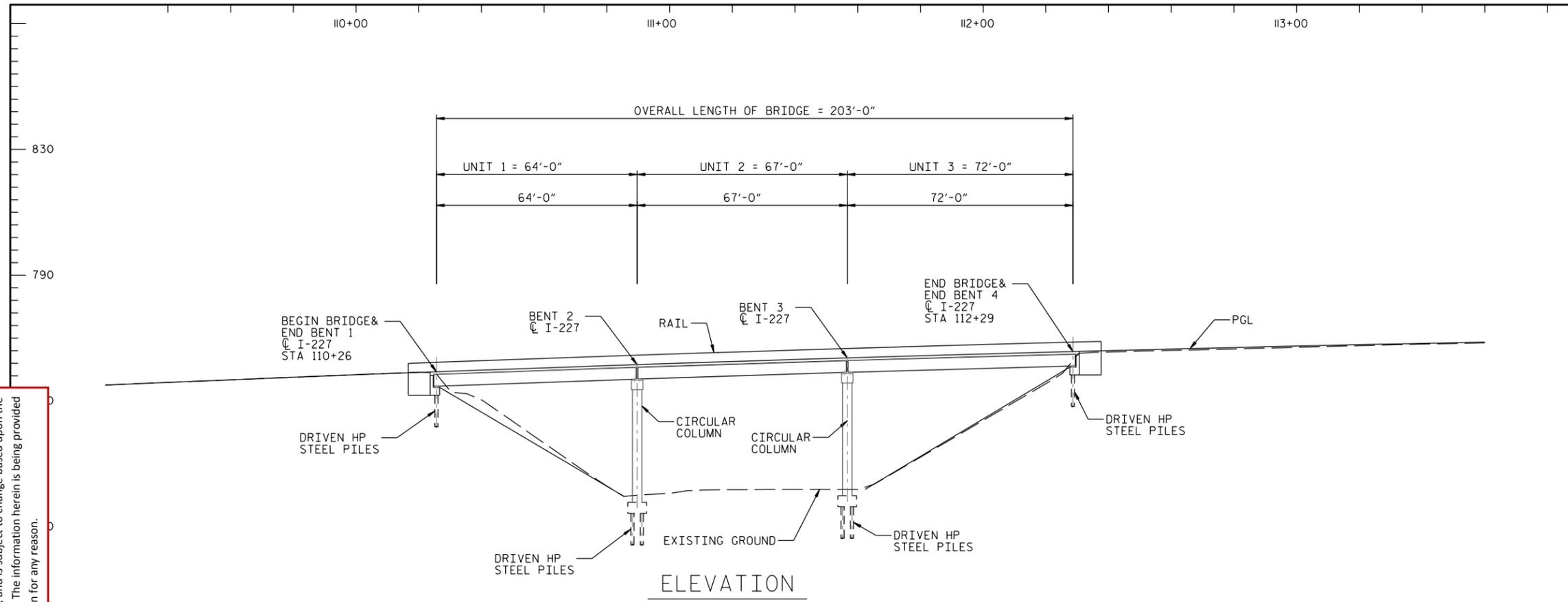
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The information included herein was developed as part of a conceptual proposal, does not necessarily reflect the ultimate design or construction of the I-77 Project, and is subject to change based upon the impending higher design effort and NCDOT's review thereof. The information herein is being provided for informational purposes only and should not be relied upon for any reason.



BUILD APPROACH SLAB AND/OR APPROACH FILL, IF REQUIRED BASED ON BOOK 2 SECTION 14.2.5.

ALL BRIDGE LIMITS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.

PROJECT NO. I-77 HOT LANES
MECKLENBURG/IREDELL COUNTY
STATION: 110+26

SHEET 1 OF 1

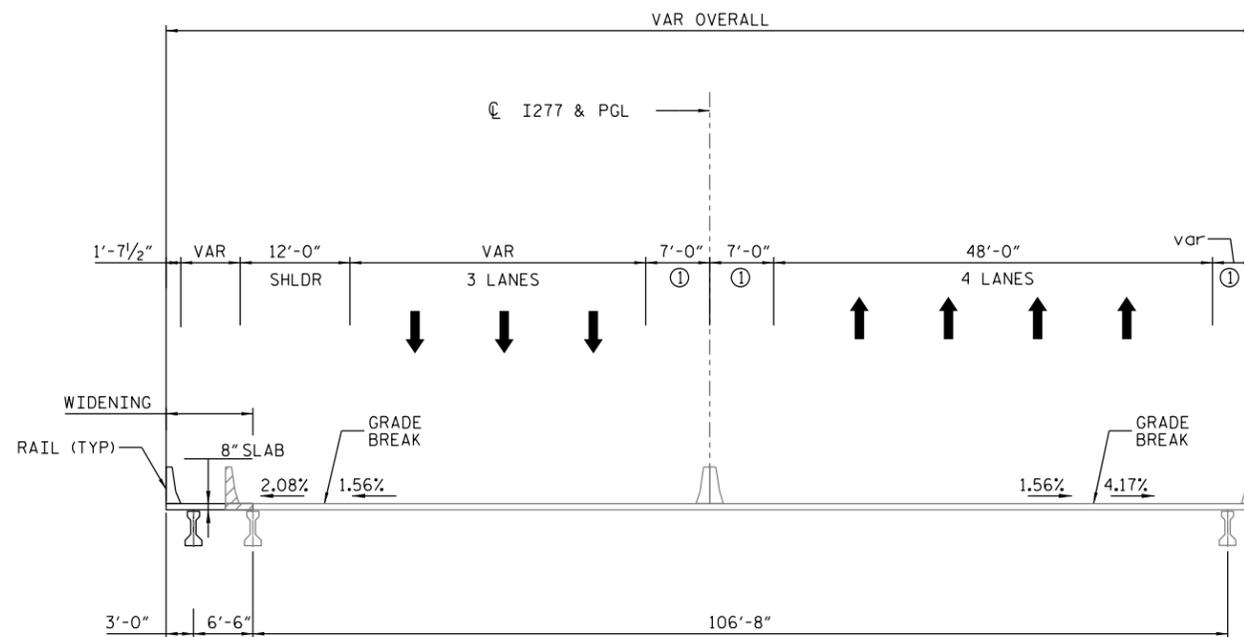
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE 100
590322
I-277 OVER ABANDONED RR.
PLAN & PROFILE

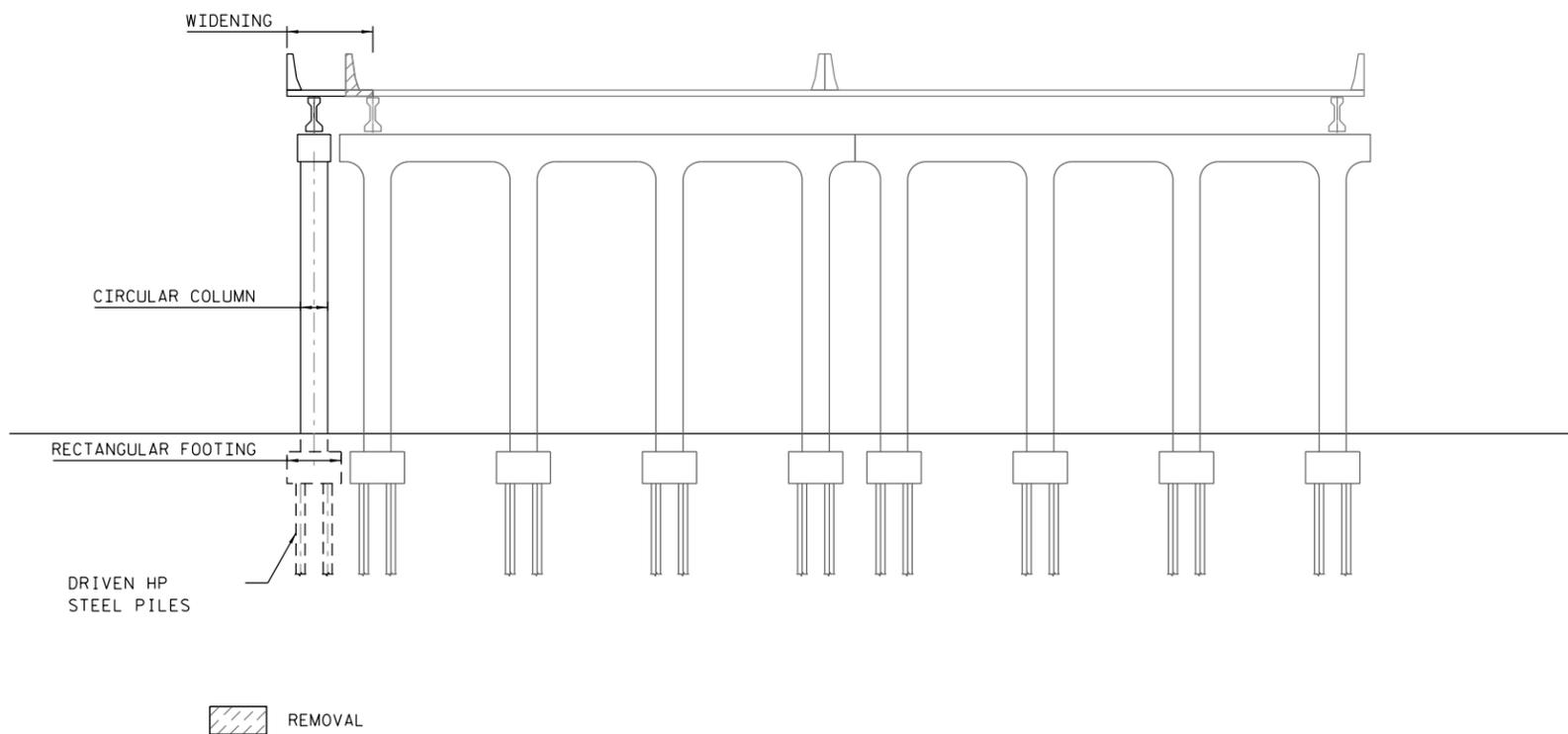
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① SHOULDER



REMOVAL

The information included herein was developed as part of a conceptual proposal, does not necessarily reflect the ultimate design or construction of the I-77 Project, and is subject to change based upon the impending higher design effort and NCDOT's review thereof. The information herein is being provided for informational purposes only and should not be relied upon for any reason.

ALL BRIDGE LIMITS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.

PROJECT NO. I-77 HOT LANES
MECKLENBURG/IREDELL COUNTY
STATION: 110+26

SHEET 1 OF 1

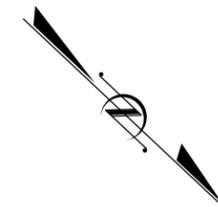
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE 100
590322
I-277 OVER ABANDONED RR.
TYPICAL SECTION

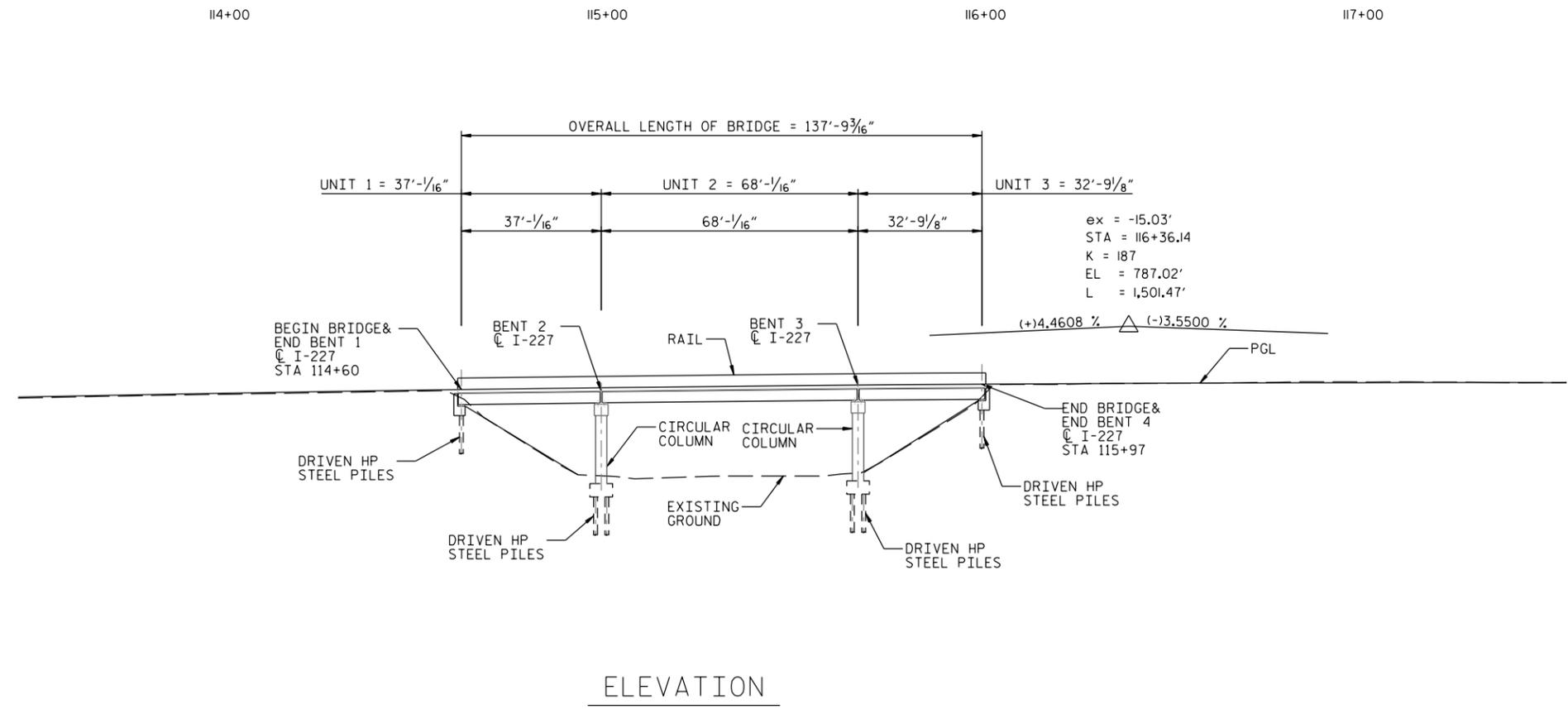
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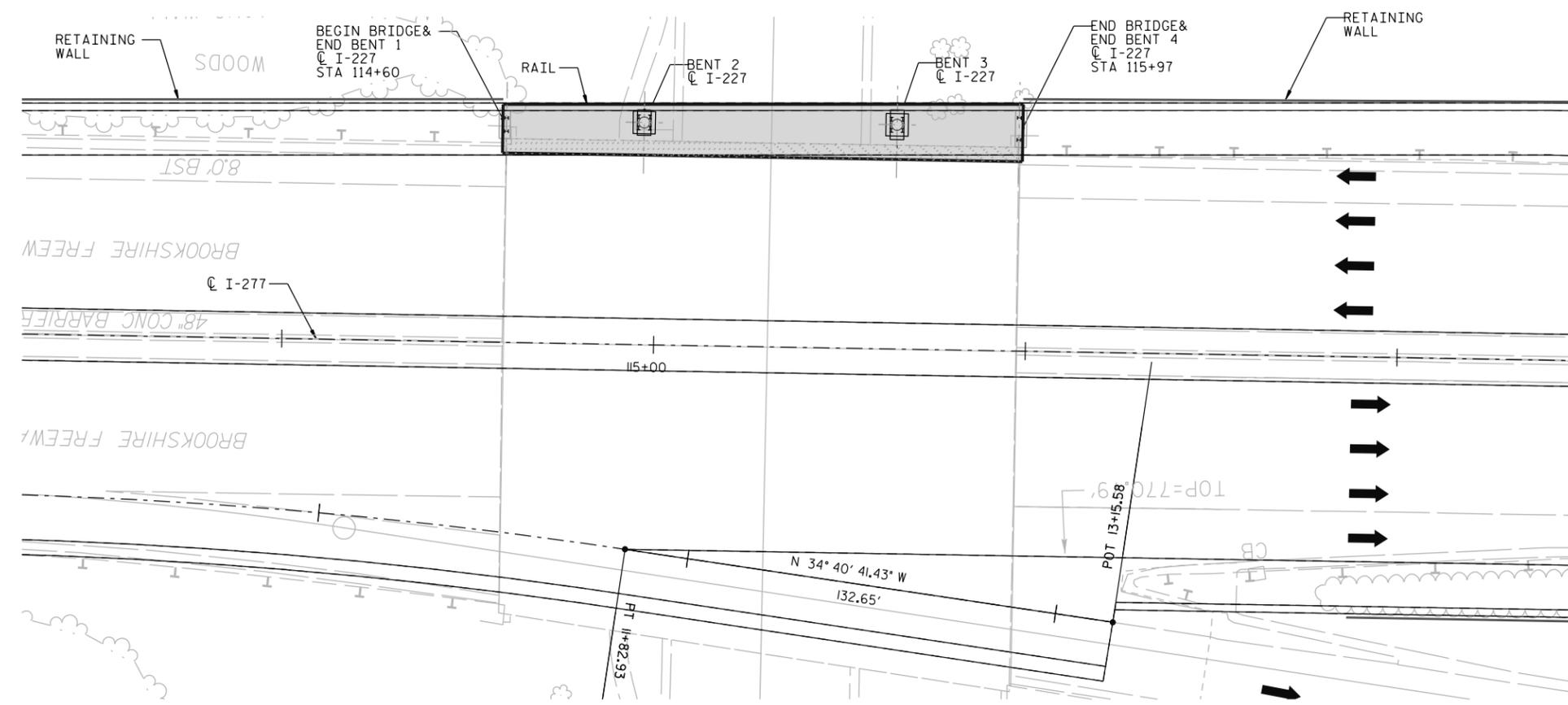
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ELEVATION



PLAN

- NOTES:
1. ALL RETAINING WALL ARE MSE TYPE, UNLESS OTHERWISE NOTED ON PLANS.
 2. MINIMUM VERTICAL CLEARANCES ARE MET FOR EXISTING STRUCTURES UNLESS OTHERWISE NOTED ON THE PLANS.
 3. OVER COLLEGE STREET: MIN. VERTICAL CLEARANCE 14' PER AASHTO's 2011 A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS, SECTION 8.29.

BUILD APPROACH SLAB AND/OR APPROACH FILL, IF REQUIRED BASED ON BOOK 2 SECTION 14.2.5.

ALL BRIDGE LIMITS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.

PROJECT NO. I-77 HOT LANES
MECKLENBURG/IREDELL COUNTY
STATION: 114+60

SHEET 1 OF 1

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

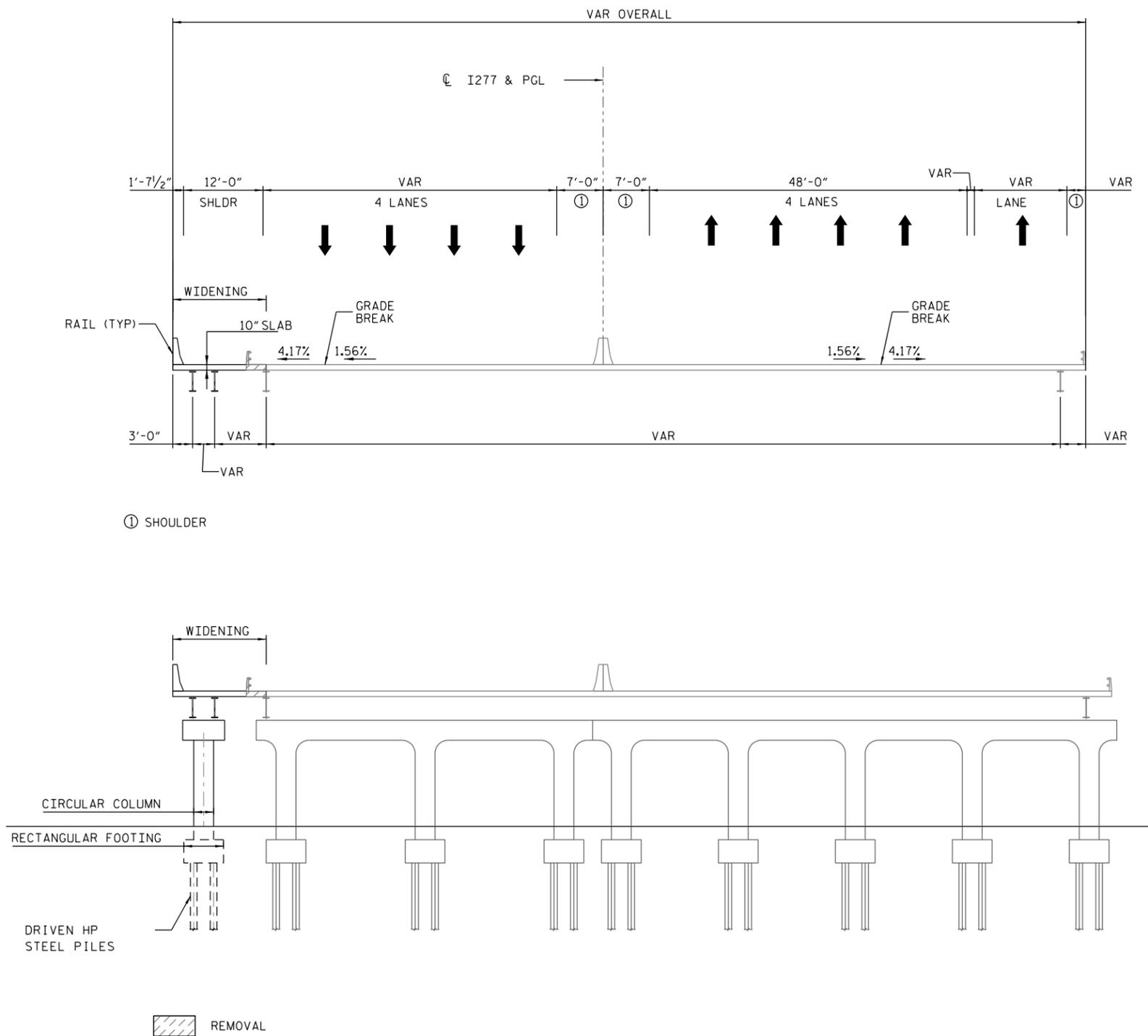
BRIDGE 101
590326
I-227 OVER N COLLEGE ST.
PLAN & PROFILE

REVISIONS						SHEET NO.
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1			3			TOTAL SHEETS
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CHECKED BY : _____ DATE : _____

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ALL BRIDGE LIMITS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.

PROJECT NO. I-77 HOT LANES
MECKLENBURG/IREDELL COUNTY
STATION: _____ 114+60

SHEET 1 OF 1

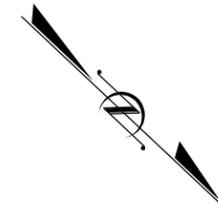
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE 101
590326
I-277 OVER N COLLEGE ST.
TYPICAL SECTION

REVISIONS						SHEET NO.
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2			4			48

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BUILD APPROACH SLAB AND/OR APPROACH FILL, IF REQUIRED BASED ON BOOK 2 SECTION 14.2.5.

ALL BRIDGE LIMITS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.

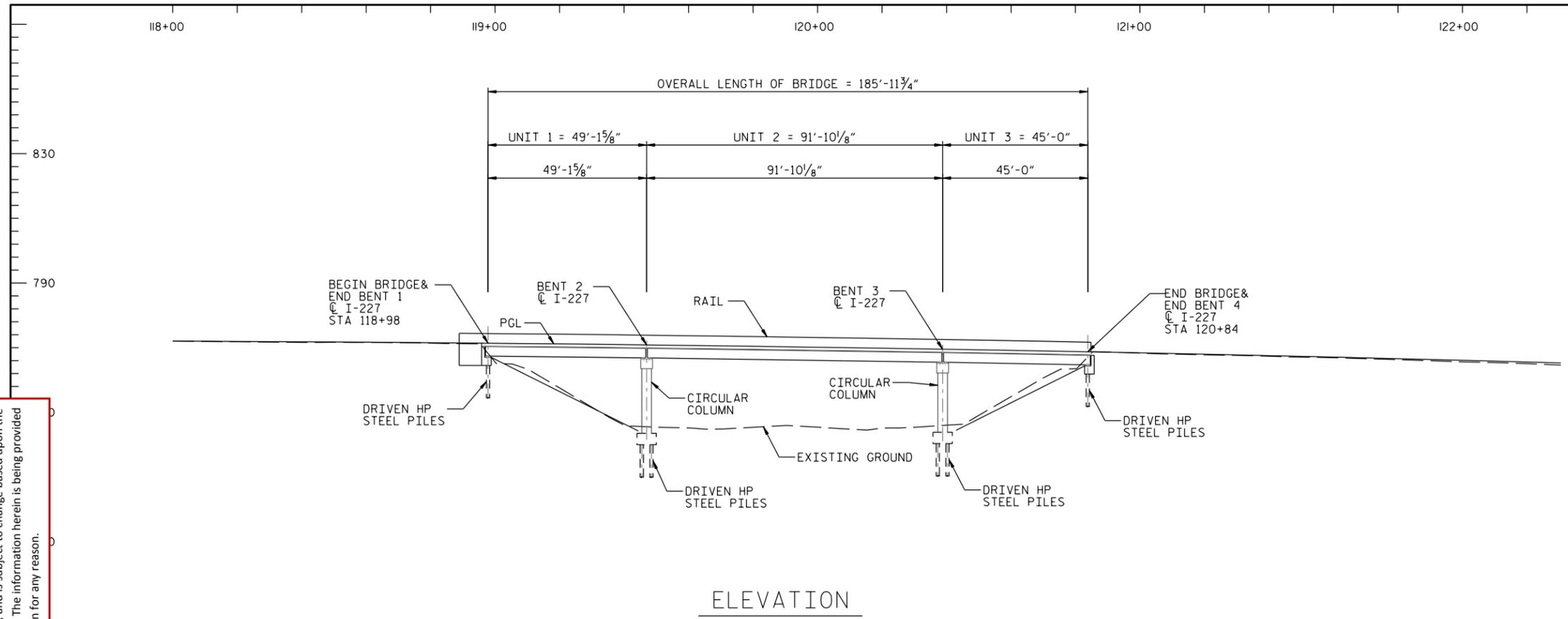
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MECKLENBURG/IREDELL COUNTY
STATION: 118+98

SHEET **1** OF **1**

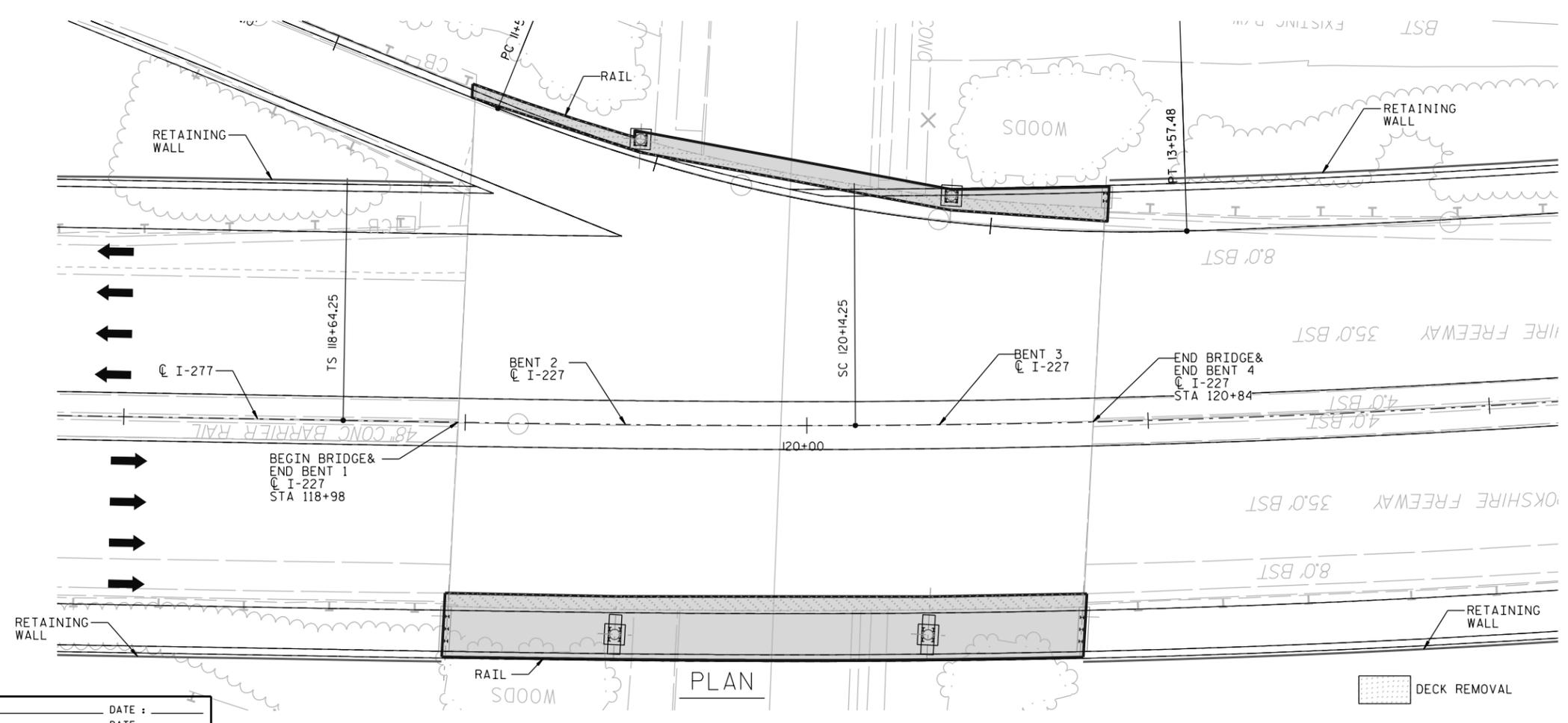
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE 102
590327
I-277 OVER N TRYON ST.
PLAN & PROFILE

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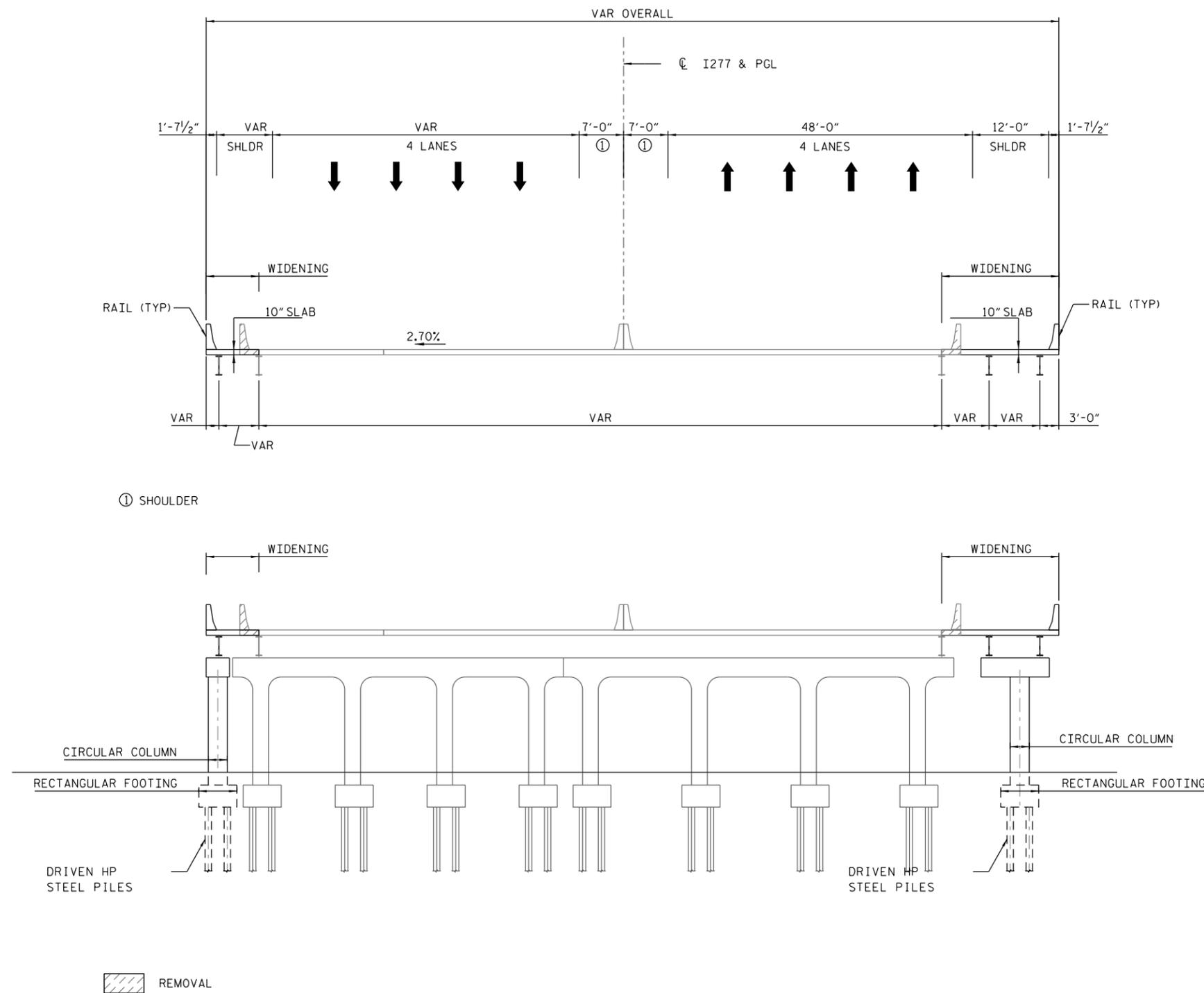
ELEVATION



PLAN

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ALL BRIDGE LIMITS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.

PROJECT NO. I-77 HOT LANES
MECKLENBURG/IREDELL COUNTY
STATION: _____ 118+98

SHEET 1 OF 1

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

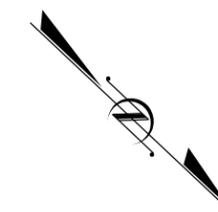
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590327
I-277 OVER N TRYON ST.
TYPICAL SECTION

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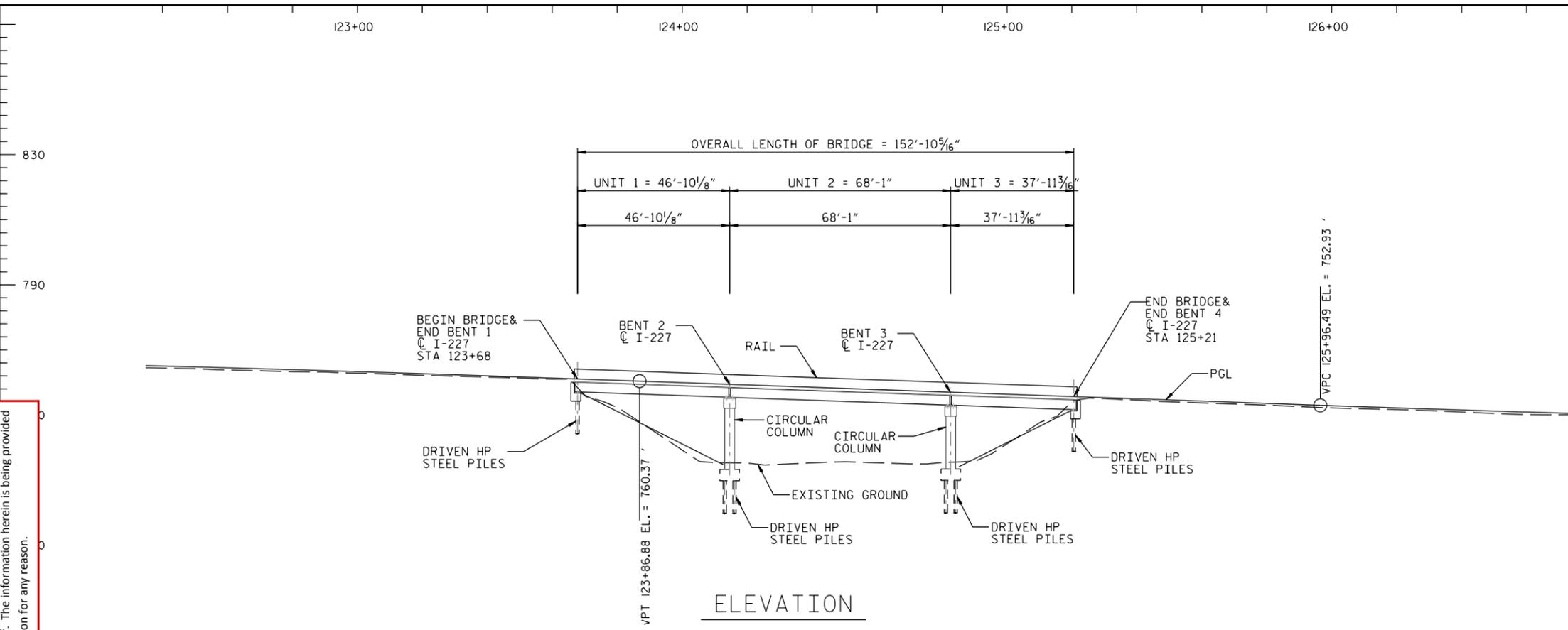
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ELEVATION

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BUILD APPROACH SLAB AND/OR APPROACH FILL, IF REQUIRED BASED ON BOOK 2 SECTION 14.2.5.

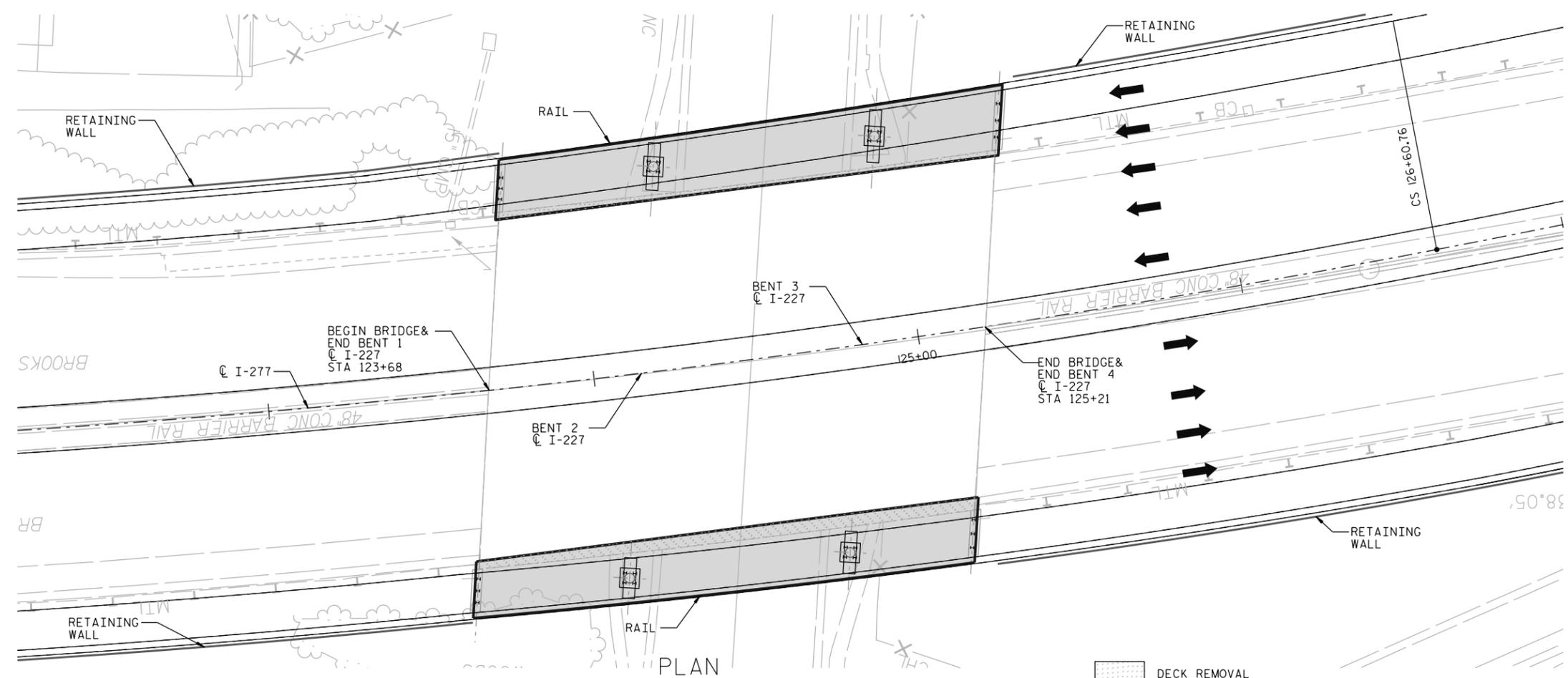
ALL BRIDGE LIMITS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.

PROJECT NO. I-77 HOT LANES
MECKLENBURG/IREDELL COUNTY
STATION: 123+68

SHEET 1 OF 1

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE 103
590328
I-277 OVER N CHURCH ST.
PLAN & PROFILE

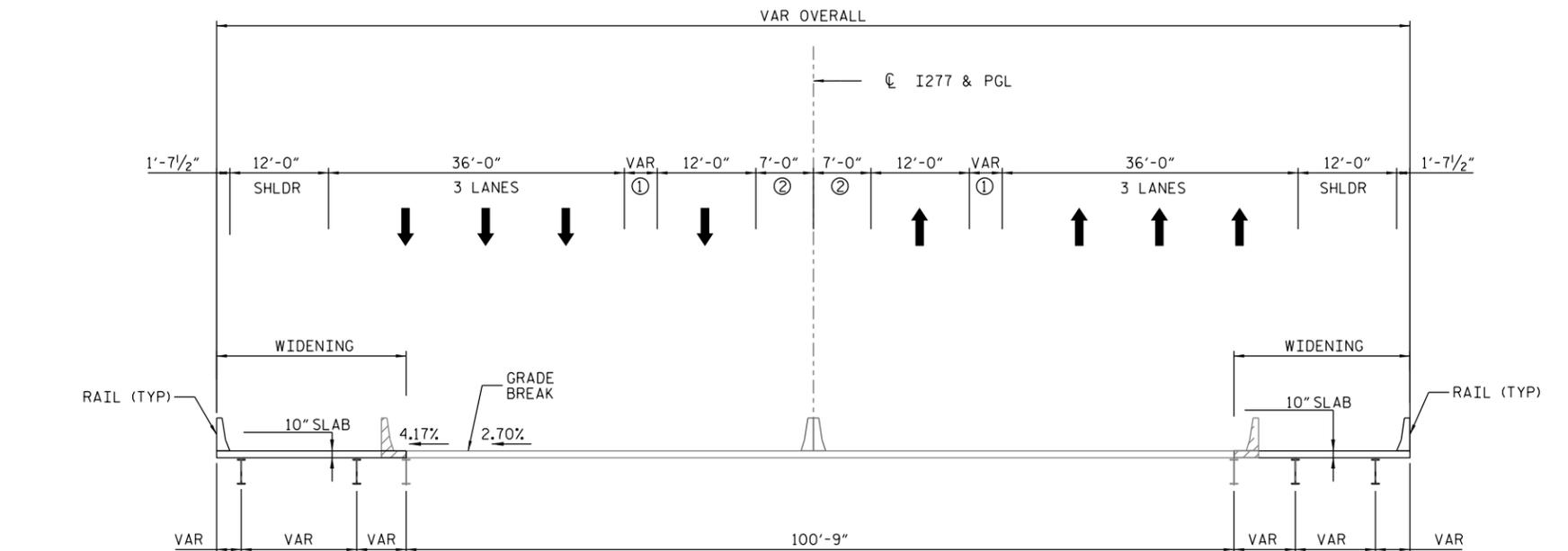


PLAN

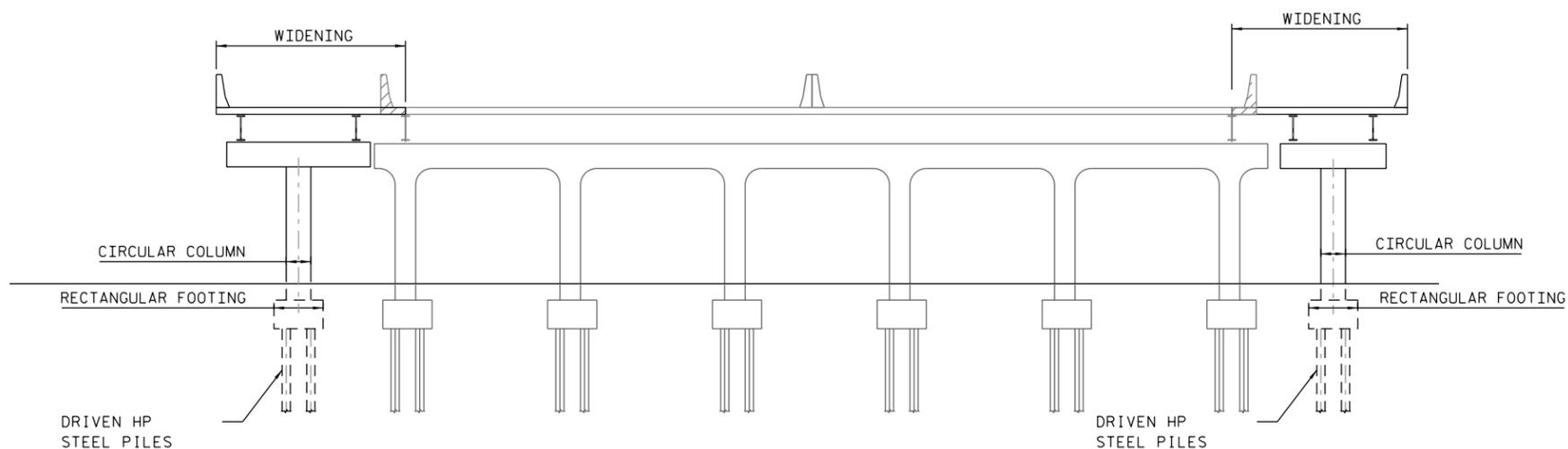
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2			4			48



- ① BUFFER
- ② SHOULDER



REMOVAL

ALL BRIDGE LIMITS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.

PROJECT NO. I-77 HOT LANES
MECKLENBURG/IREDELL COUNTY
STATION: _____ 123+68

SHEET 1 OF 1

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

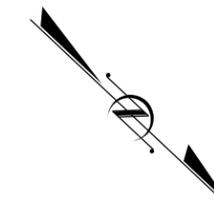
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I-277 OVER N CHURCH ST.
TYPICAL SECTION

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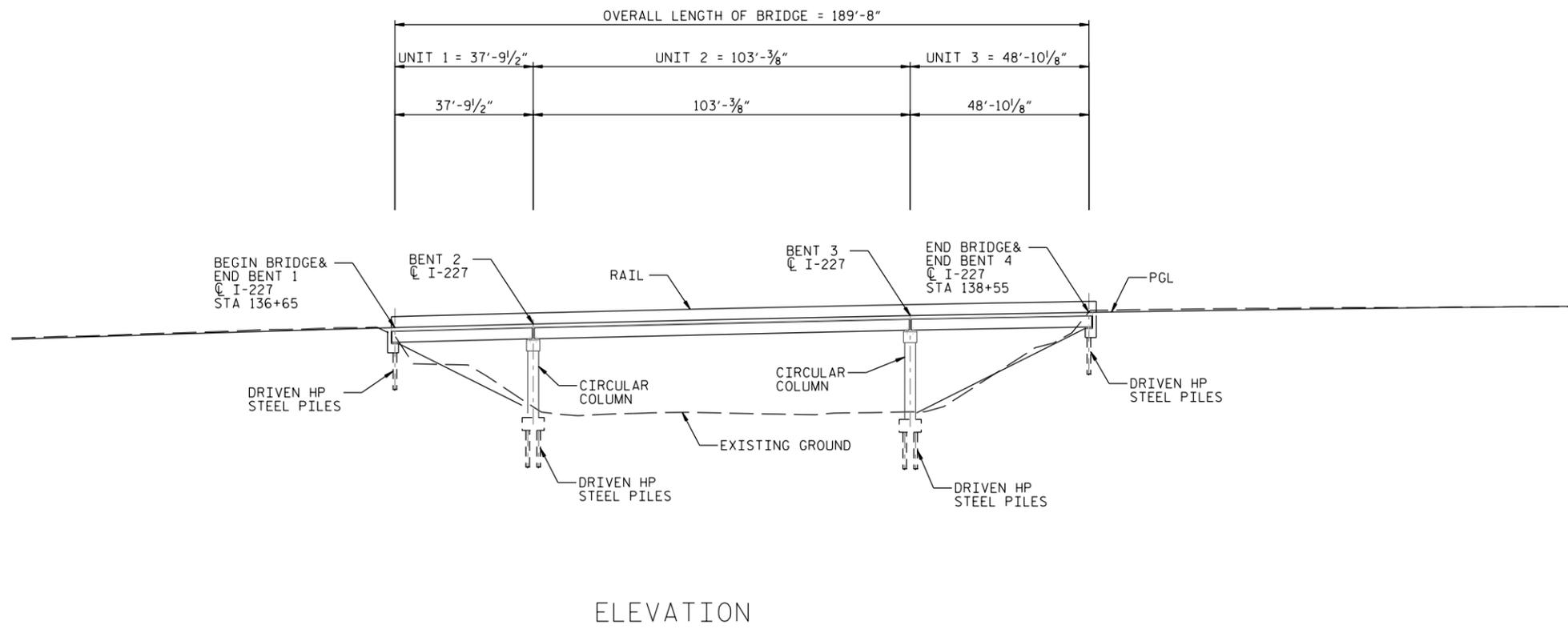
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CHECKED BY : _____ DATE : _____

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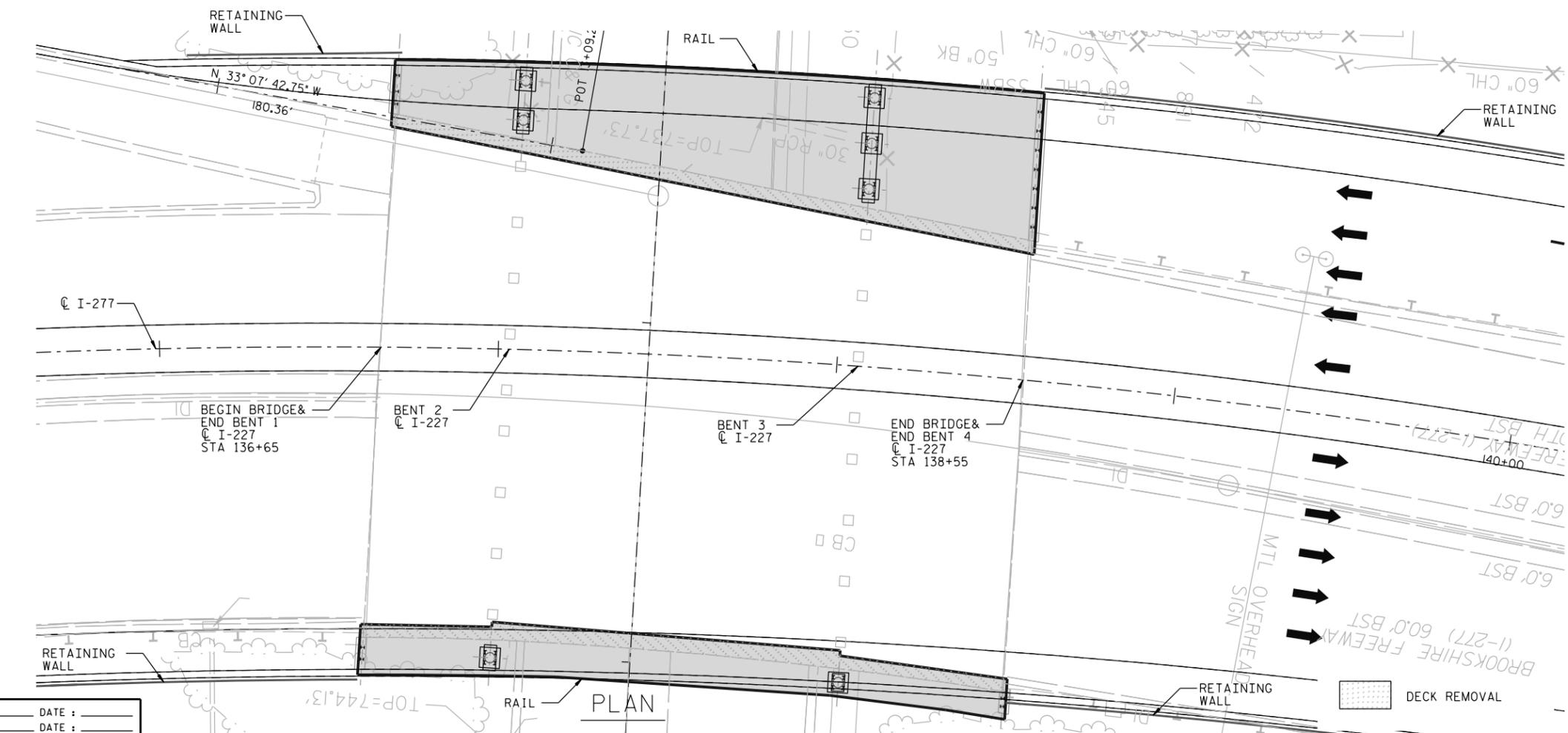
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ELEVATION



PLAN

- NOTES:
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BUILD APPROACH SLAB AND/OR APPROACH FILL, IF REQUIRED BASED ON BOOK 2 SECTION 14.2.5.

ALL BRIDGE LIMITS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.

PROJECT NO. I-77 HOT LANES
MECKLENBURG/IREDELL COUNTY
STATION: 136+65

SHEET 1 OF 1

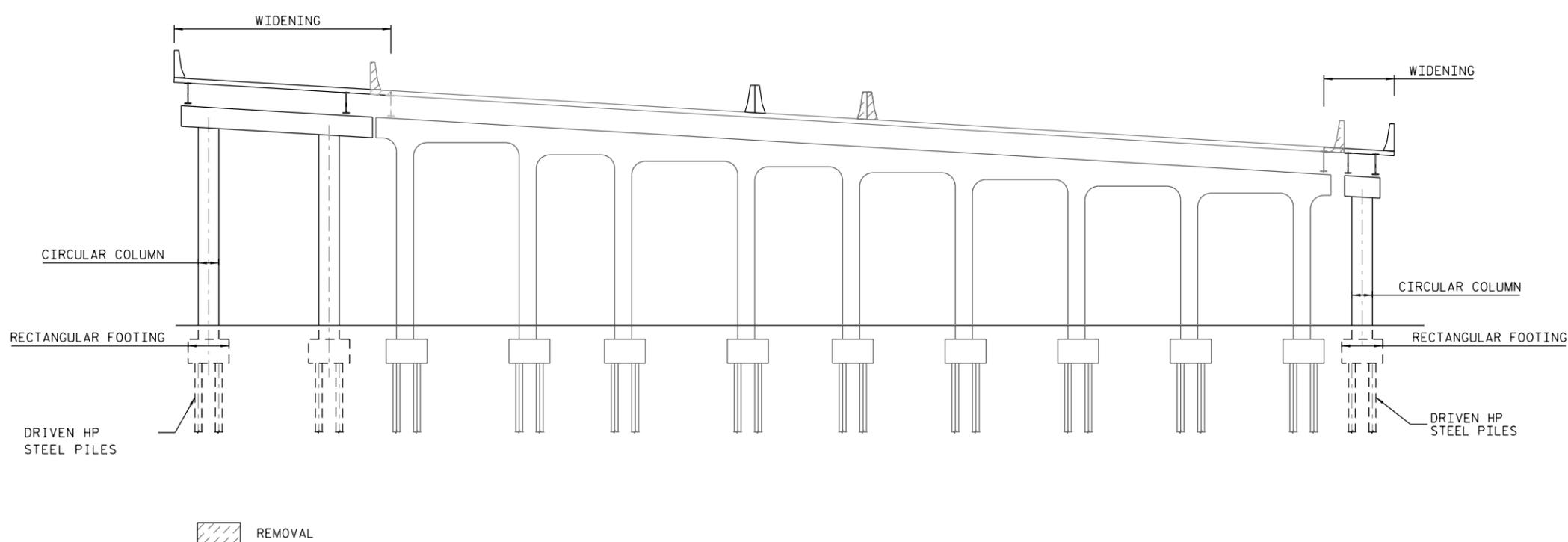
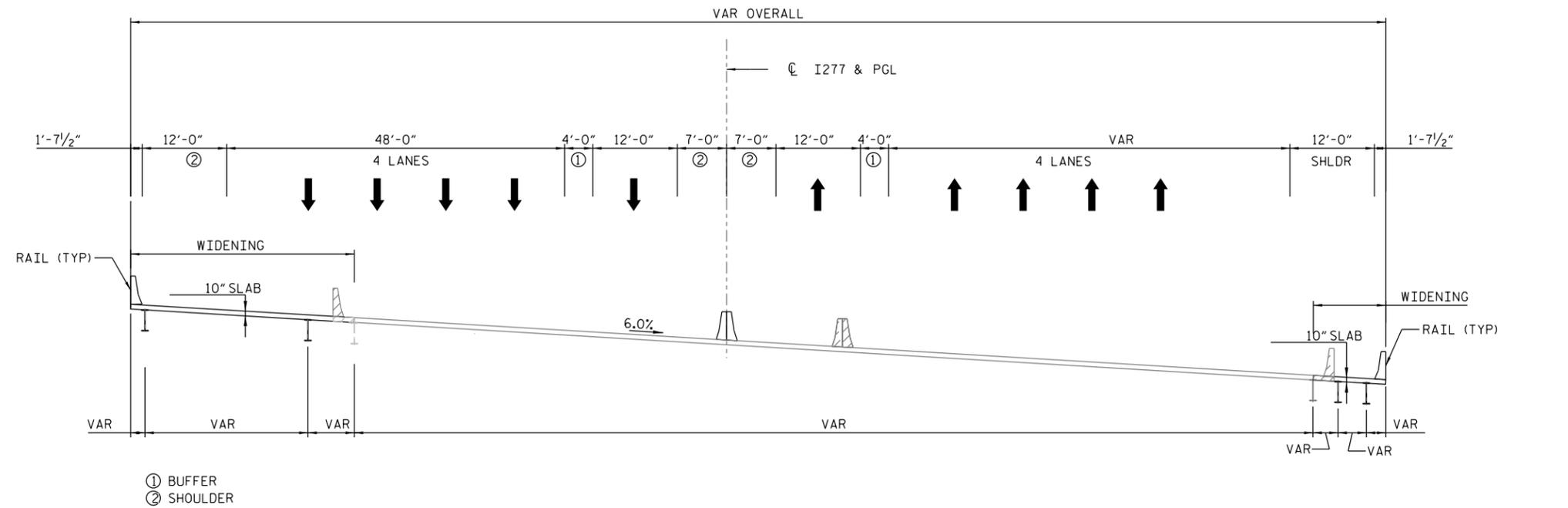
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE 104
590330
I-277 OVER N GRAHAM ST.
PLAN & PROFILE

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NO.	BY:	DATE:	NO.	BY:	DATE:	11
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PROJECT NO. I-77 HOT LANES
MECKLENBURG/IREDELL COUNTY
STATION: 136+65

SHEET 1 OF 1

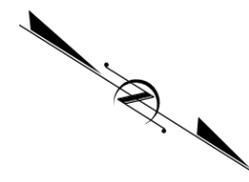
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

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I-277 OVER N GRAHAM ST.
TYPICAL SECTION

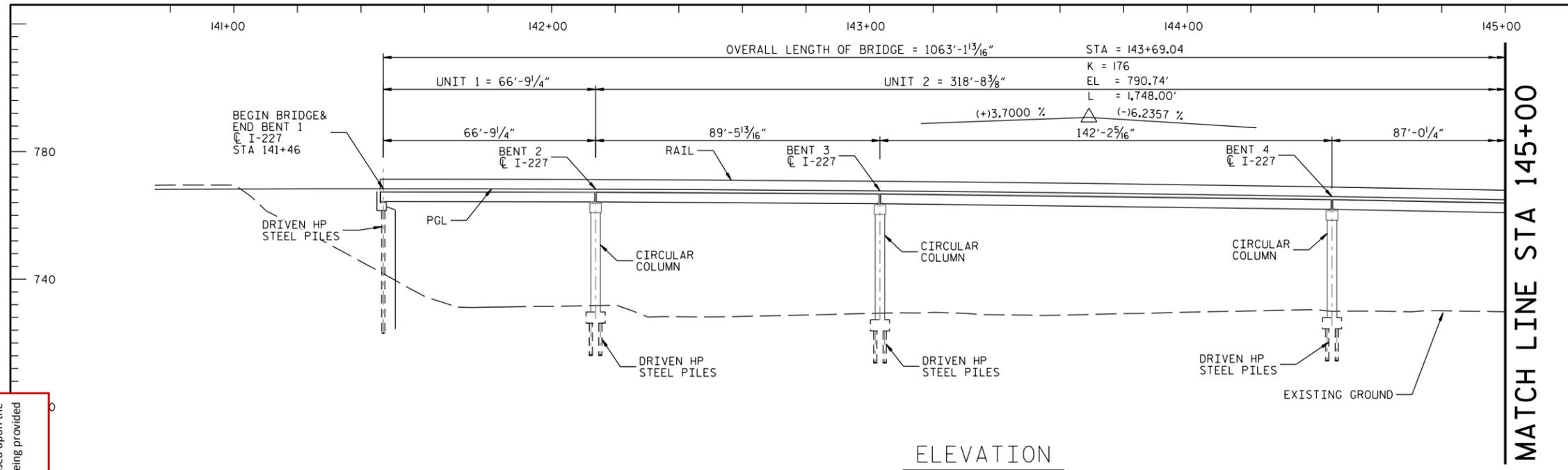
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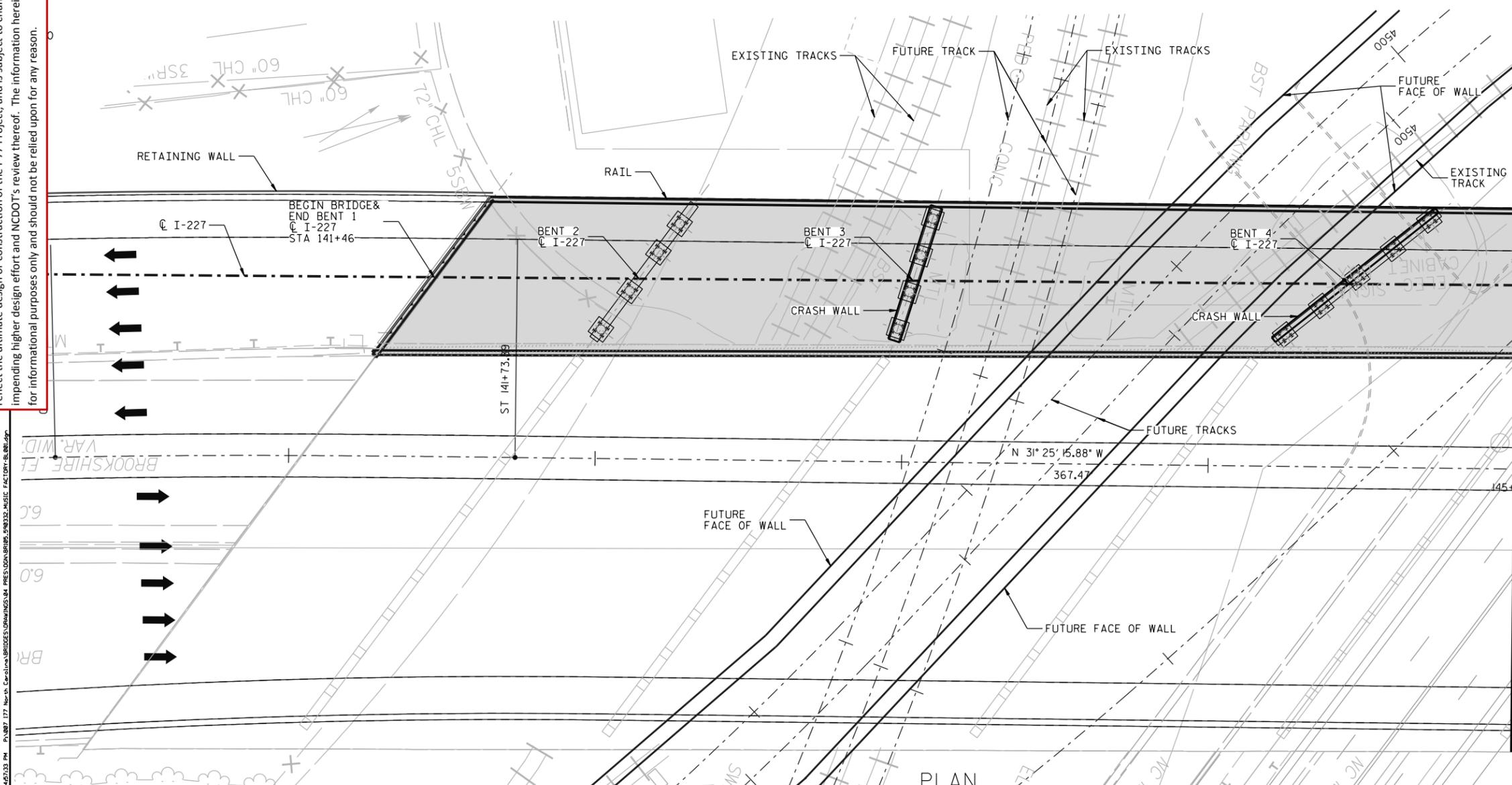


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ELEVATION

MATCH LINE STA 145+00



PLAN

MATCH LINE STA 145+00

- NOTES:
1. ALL RETAINING WALL ARE MSE TYPE, UNLESS OTHERWISE NOTED ON PLANS.
 2. MINIMUM VERTICAL CLEARANCES ARE MET FOR EXISTING STRUCTURES UNLESS OTHERWISE NOTED ON THE PLANS.
 3. MUSIC FACTORY BOULEVARD OVER RR: MIN. VERTICAL CLEARANCE 23' PER BOOK 2.
 4. OVER MUSIC FACTORY BOULEVARD: MIN. VERTICAL CLEARANCE 17' PER BOOK 2.
 5. MUSIC FACTORY BOULEVARD OVER JOHNSON STREET: MIN. VERTICAL CLEARANCE 14.83' SAME AS EXISTING.

BUILD APPROACH SLAB AND/OR APPROACH FILL, IF REQUIRED BASED ON BOOK 2 SECTION 14.2.5.

ALL BRIDGE LIMITS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.

PROJECT NO. I-77 HOT LANES
MECKLENBURG/IREDELL COUNTY
STATION: 141+46

SHEET 1 OF 3

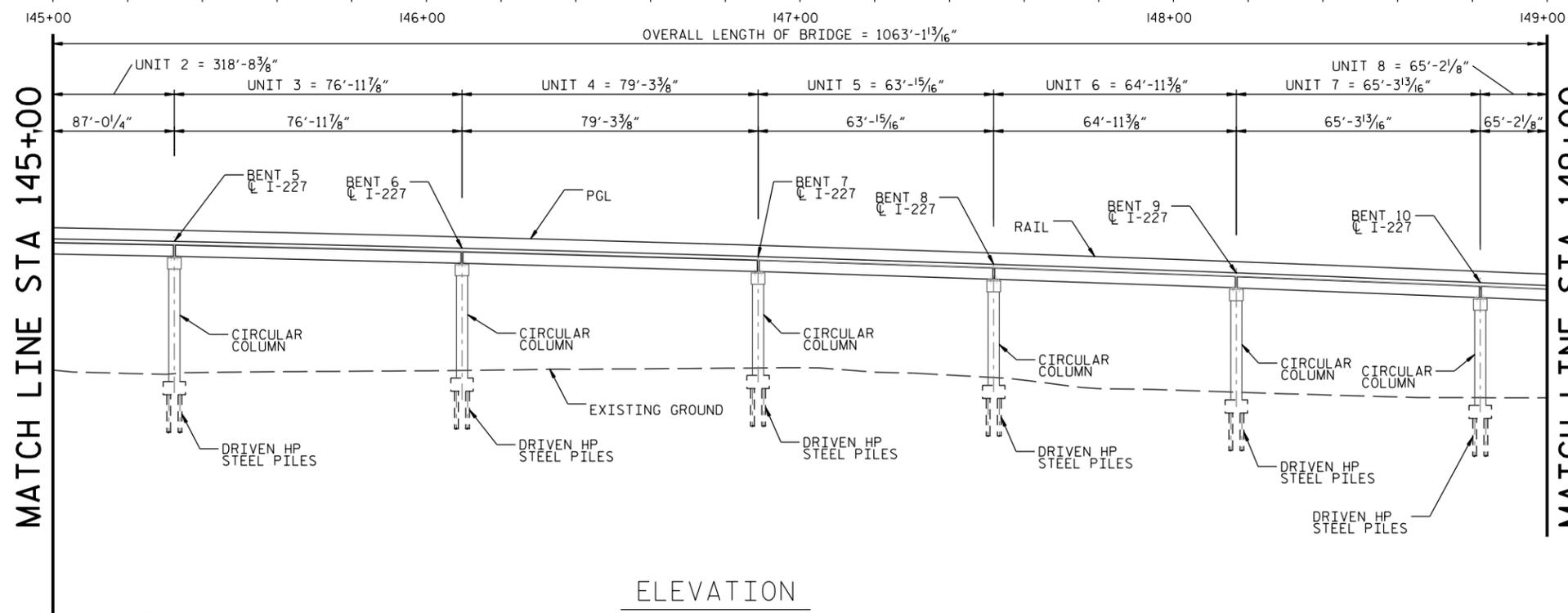
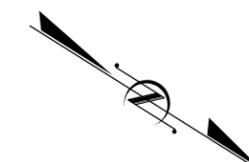
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE 105
590332
I-277 OVER JOHNSON ST/NC
MUSIC FACTORY BLVD/RR.
PLAN & PROFILE

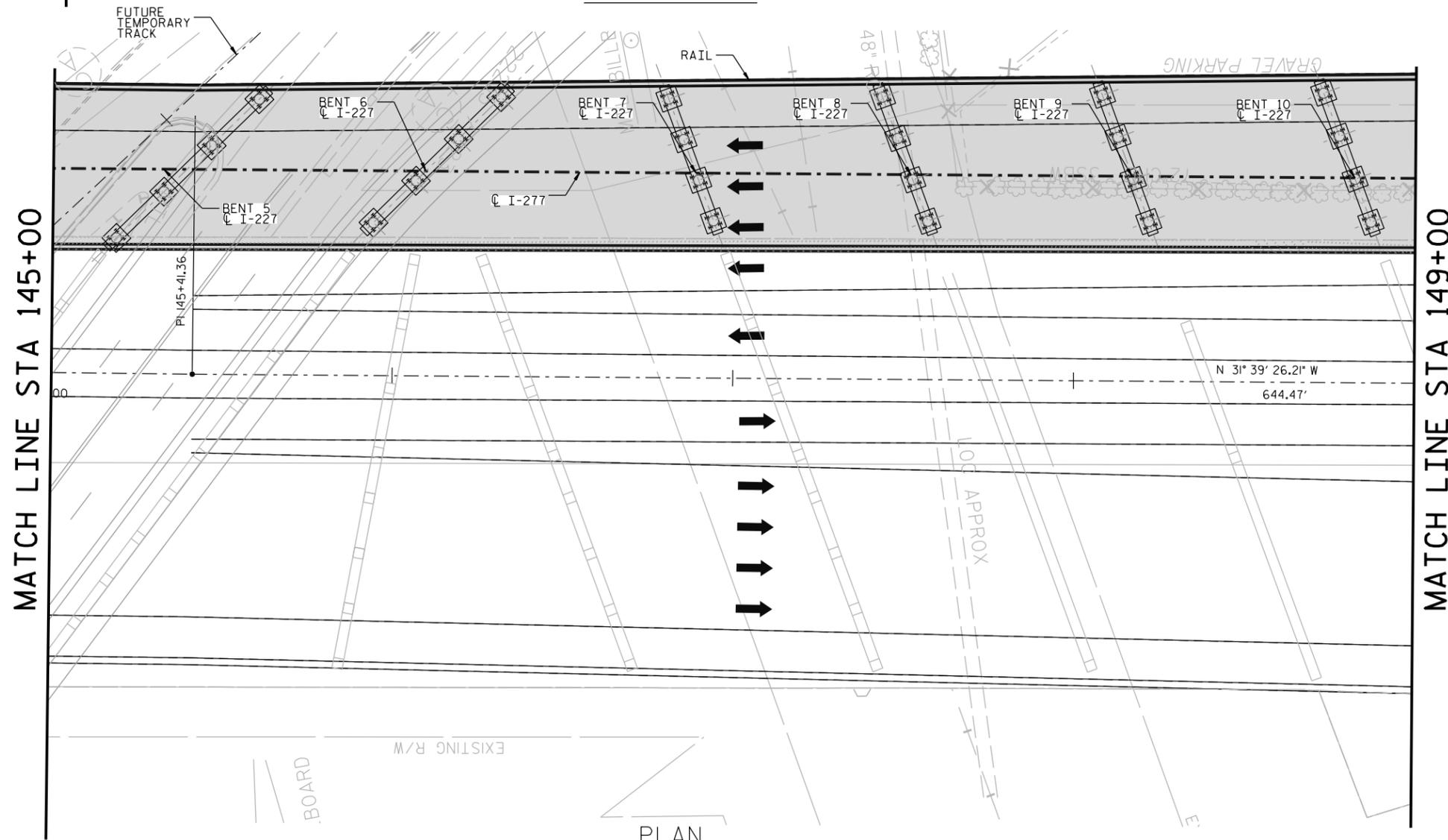
REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			48
2			4			

DRAWN BY : _____ DATE : _____
CHECKED BY : _____ DATE : _____

DECK REMOVAL



ELEVATION



PLAN

- NOTES:
1. ALL RETAINING WALL ARE MSE TYPE, UNLESS OTHERWISE NOTED ON PLANS.
 2. MINIMUM VERTICAL CLEARANCES ARE MET FOR EXISTING STRUCTURES UNLESS OTHERWISE NOTED ON THE PLANS.
 3. MUSIC FACTORY BOULEVARD OVER RR: MIN. VERTICAL CLEARANCE 23' PER BOOK 2.
 4. OVER MUSIC FACTORY BOULEVARD: MIN. VERTICAL CLEARANCE 17' PER BOOK 2.
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BUILD APPROACH SLAB AND/OR APPROACH FILL, IF REQUIRED BASED ON BOOK 2 SECTION 14.2.5.

ALL BRIDGE LIMITS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.

PROJECT NO. I-77 HOT LANES
MECKLENBURG/IREDELL COUNTY
STATION: _____ 141+46

SHEET 2 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

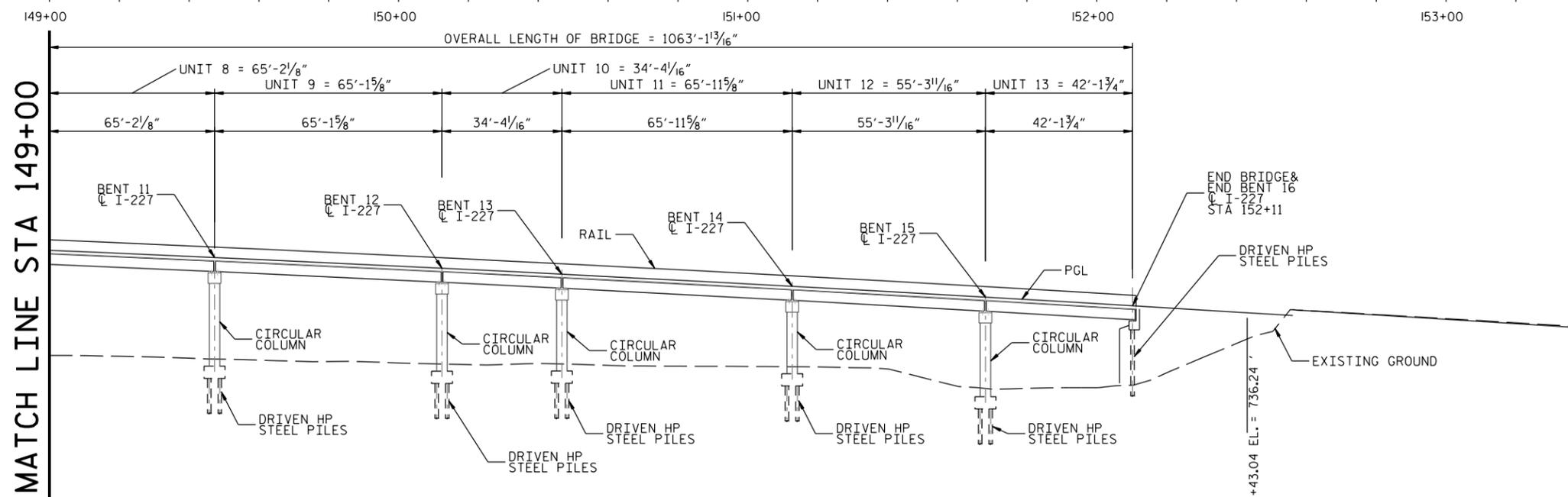
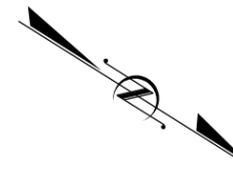
BRIDGE 105
590332
I-277 OVER JOHNSON ST/NC
MUSIC FACTORY BLVD/RR.
PLAN & PROFILE

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	14
1			3			TOTAL SHEETS
2			4			48

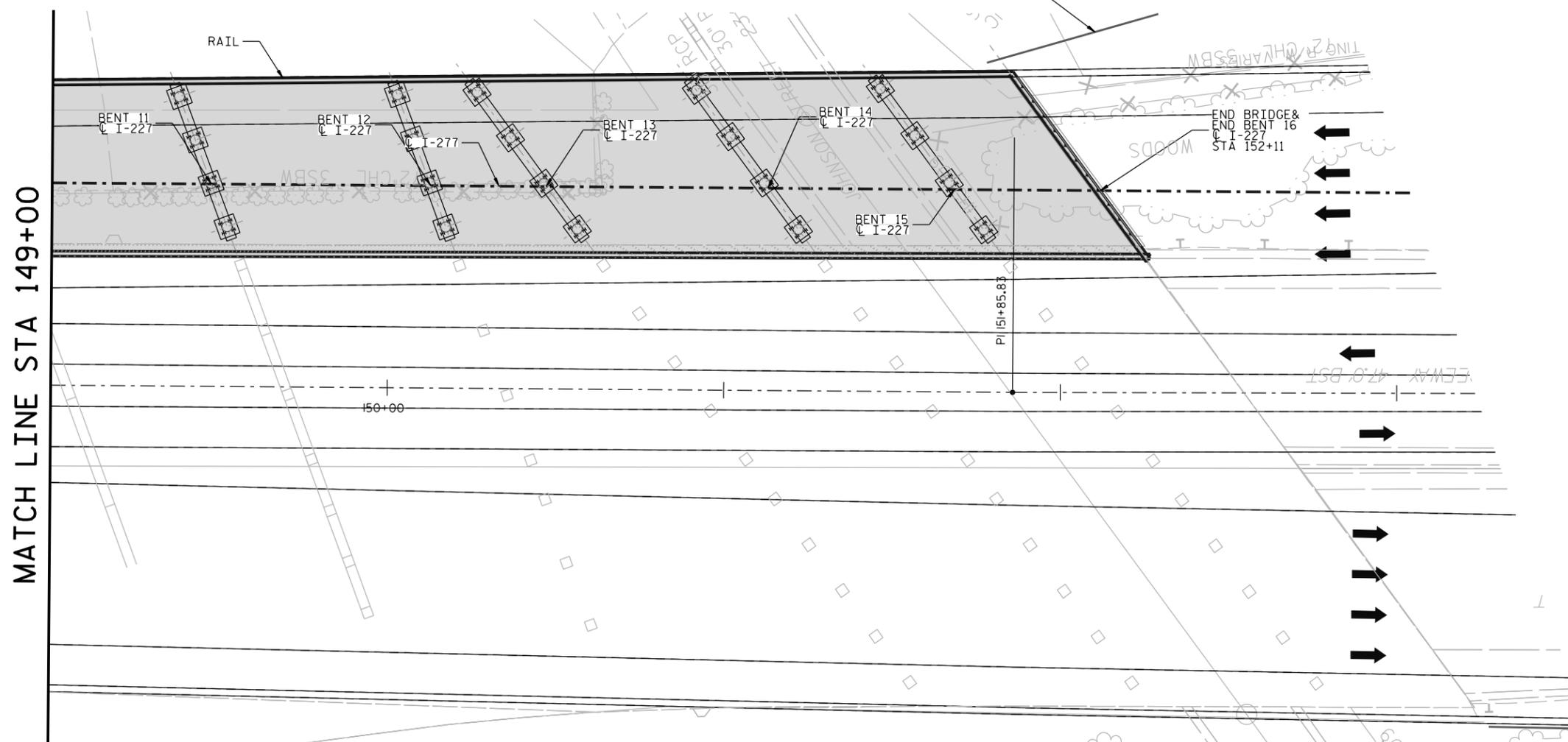
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DRAWN BY : _____ DATE : _____
CHECKED BY : _____ DATE : _____

DECK REMOVAL



ELEVATION



PLAN

- NOTES:
1. ALL RETAINING WALL ARE MSE TYPE, UNLESS OTHERWISE NOTED ON PLANS.
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 3. MUSIC FACTORY BOULEVARD OVER RR: MIN. VERTICAL CLEARANCE 23' PER BOOK 2.
 4. OVER MUSIC FACTORY BOULEVARD: MIN. VERTICAL CLEARANCE 17' PER BOOK 2.
 5. MUSIC FACTORY BOULEVARD OVER JOHNSON STREET: MIN. VERTICAL CLEARANCE 14.83' SAME AS EXISTING.

BUILD APPROACH SLAB AND/OR APPROACH FILL, IF REQUIRED BASED ON BOOK 2 SECTION 14.2.5.

ALL BRIDGE LIMITS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.

PROJECT NO. I-77 HOT LANES
MECKLENBURG/IREDELL COUNTY
STATION: 141+46

SHEET **3** OF **3**

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE 105
590332
I-277 OVER JOHNSON ST/NC
MUSIC FACTORY BLVD/RR.
PLAN & PROFILE

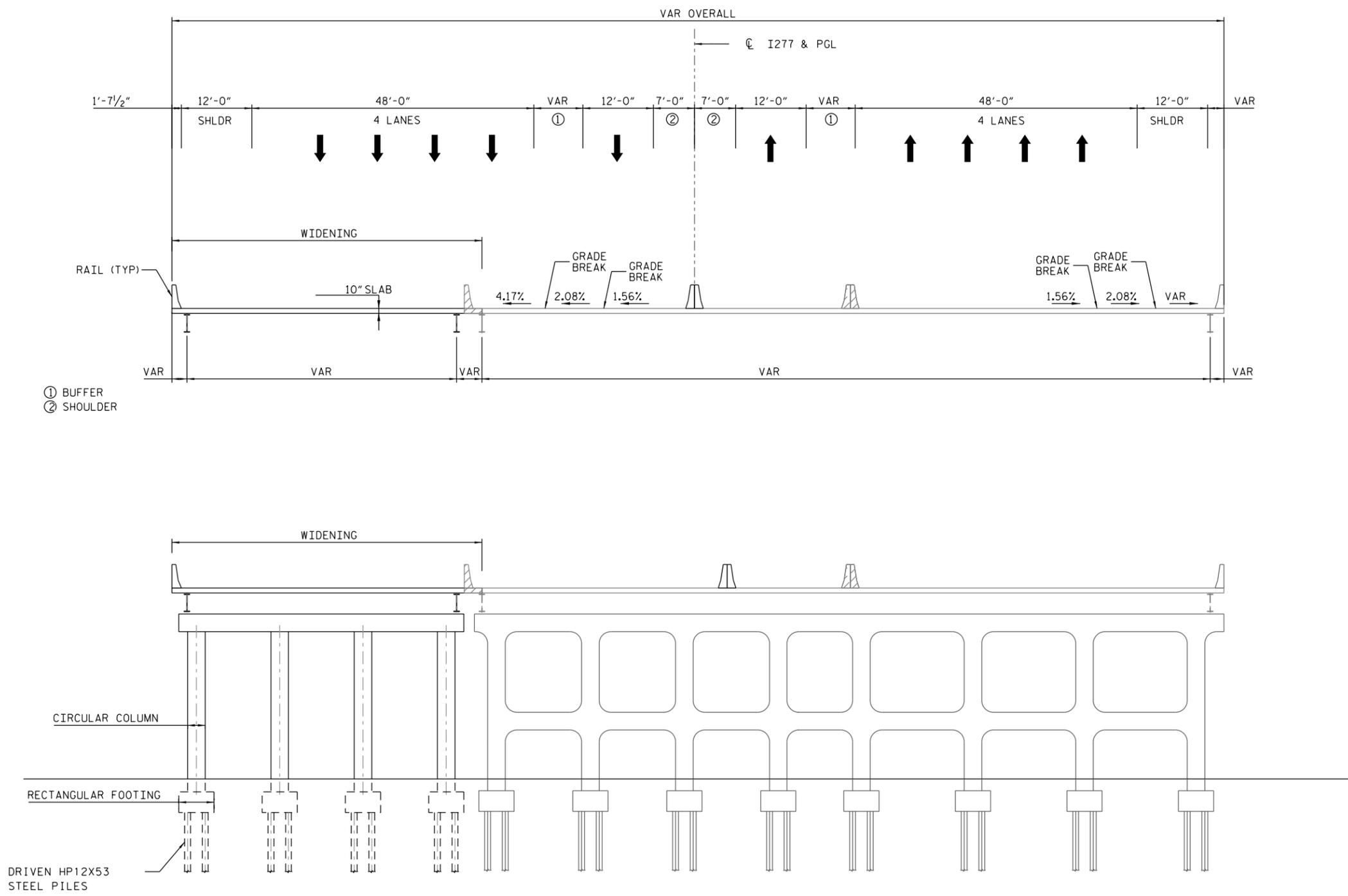
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NO.	BY:	DATE:	NO.	BY:	DATE:	15
1			3			TOTAL SHEETS
2			4			48

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CHECKED BY : _____ DATE : _____

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- ① BUFFER
- ② SHOULDER

REMOVAL

ALL BRIDGE LIMITS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.

PROJECT NO. I-77 HOT LANES
MECKLENBURG/IREDELL COUNTY
STATION: _____ 141+46

SHEET 1 OF 1

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

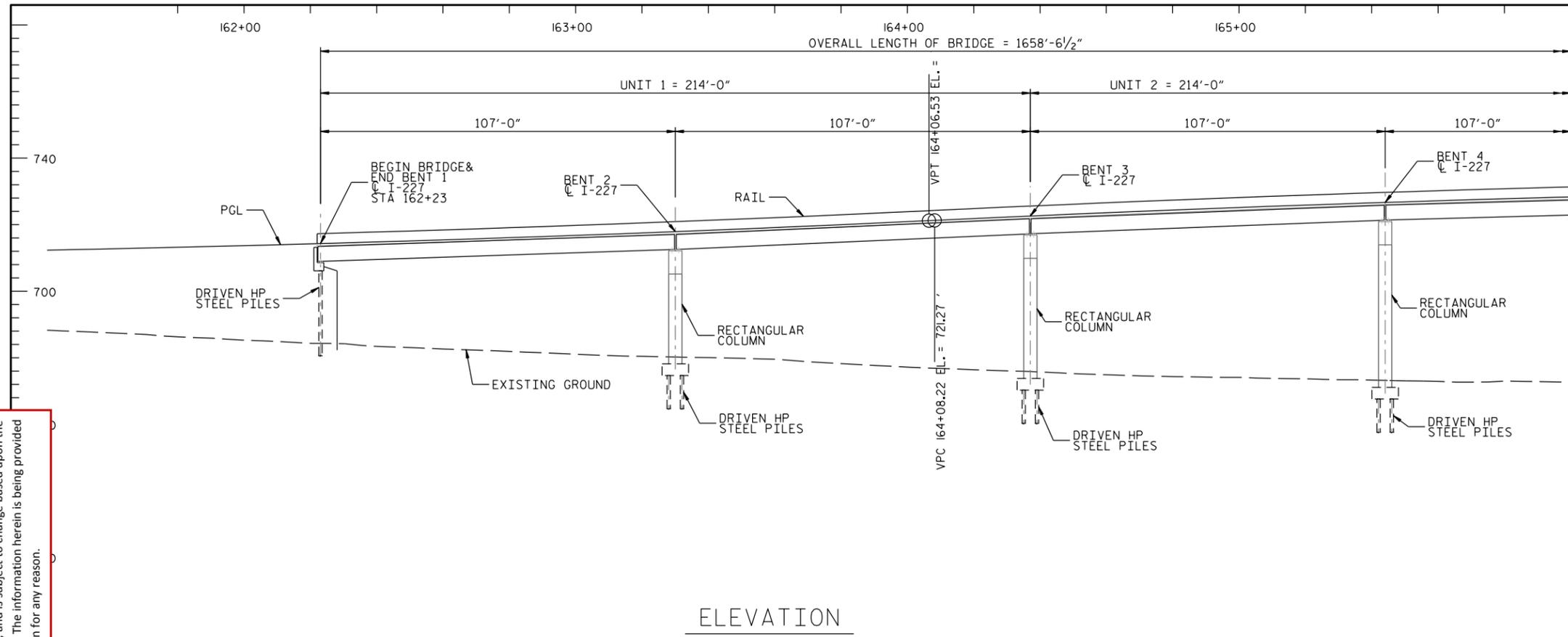
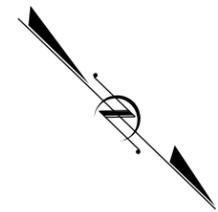
BRIDGE 105
590332
I-277 OVER JOHNSON ST/NC
MUSIC FACTORY BLVD/RR.
TYPICAL SECTION

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	16
1			3			TOTAL SHEETS
2			4			48

DRAWN BY : _____ DATE : _____
CHECKED BY : _____ DATE : _____

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02/26/2014



ELEVATION

MATCH LINE STA 166+00

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 2. MINIMUM VERTICAL CLEARANCES ARE MET FOR EXISTING STRUCTURES UNLESS OTHERWISE NOTED ON THE PLANS.
 3. DIRECT CONNECTOR OVER HAMILTON STREET: MIN. VERTICAL CLEARANCE 17' PER BOOK 2.
 4. DIRECT CONNECTOR OVER CONNECTOR I277WB/I77SB: MIN. VERTICAL CLEARANCE 17' PER BOOK 2.
 5. DIRECT CONNECTOR OVER GLP I77NB: MIN. VERTICAL CLEARANCE 17' PER BOOK 2.
 6. DIRECT CONNECTOR OVER GLP I277WB: MIN. VERTICAL CLEARANCE 17' PER BOOK 2.

BUILD APPROACH SLAB AND/OR APPROACH FILL, IF REQUIRED BASED ON BOOK 2 SECTION 14.2.5.

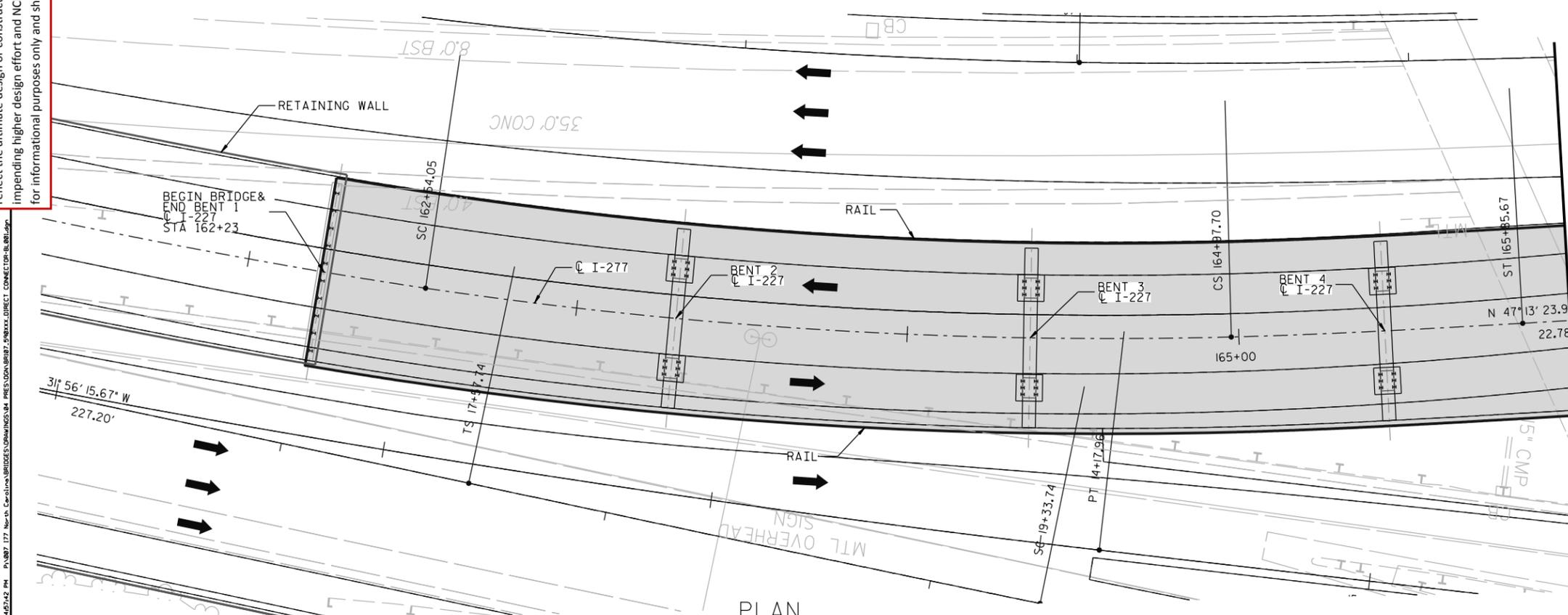
ALL BRIDGE LIMITS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.

PROJECT NO. I-77 HOT LANES
MECKLENBURG/IREDELL COUNTY
STATION: 162+23

SHEET 1 OF 5

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE 107
590XXX
DIRECT CONNECTOR I77-I277.
PLAN & PROFILE



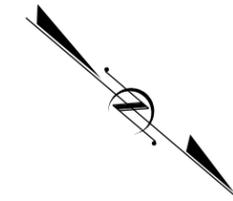
PLAN

MATCH LINE STA 166+00

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CHECKED BY : _____ DATE : _____

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	17
1			3			TOTAL SHEETS
2			4			48

02/26/2014



- NOTES:
1. ALL RETAINING WALL ARE MSE TYPE, UNLESS OTHERWISE NOTED ON PLANS.
 2. MINIMUM VERTICAL CLEARANCES ARE MET FOR EXISTING STRUCTURES UNLESS OTHERWISE NOTED ON THE PLANS.
 3. DIRECT CONNECTOR OVER HAMILTON STREET: MIN. VERTICAL CLEARANCE 17' PER BOOK 2.
 4. DIRECT CONNECTOR OVER CONNECTOR I277WB/I77SB: MIN. VERTICAL CLEARANCE 17' PER BOOK 2.
 5. DIRECT CONNECTOR OVER GLP I77NB: MIN. VERTICAL CLEARANCE 17' PER BOOK 2.
 6. DIRECT CONNECTOR OVER GLP I277WB: MIN. VERTICAL CLEARANCE 17' PER BOOK 2.

BUILD APPROACH SLAB AND/OR APPROACH FILL, IF REQUIRED BASED ON BOOK 2 SECTION 14.2.5.

ALL BRIDGE LIMITS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.

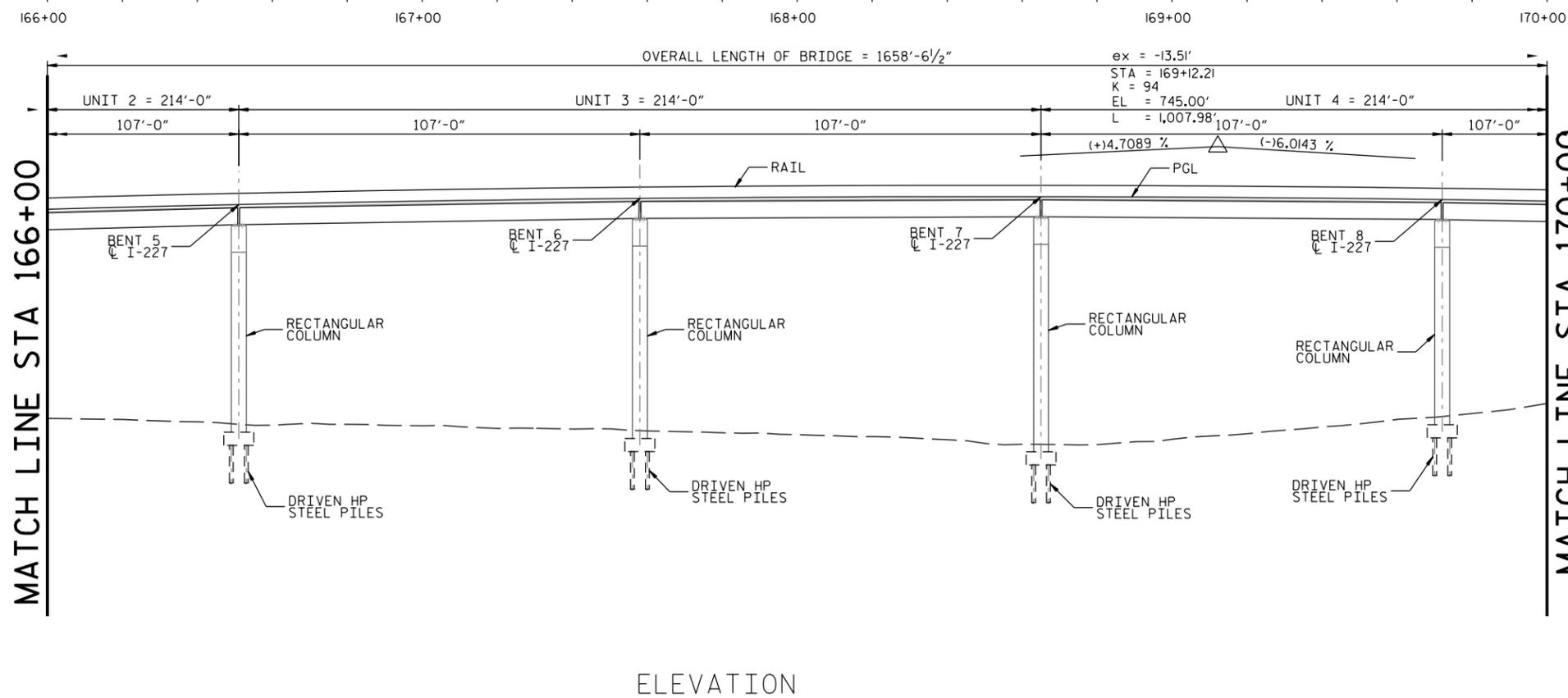
PROJECT NO. I-77 HOT LANES
MECKLENBURG/IREDELL COUNTY
STATION: 162+23

SHEET 2 OF 5

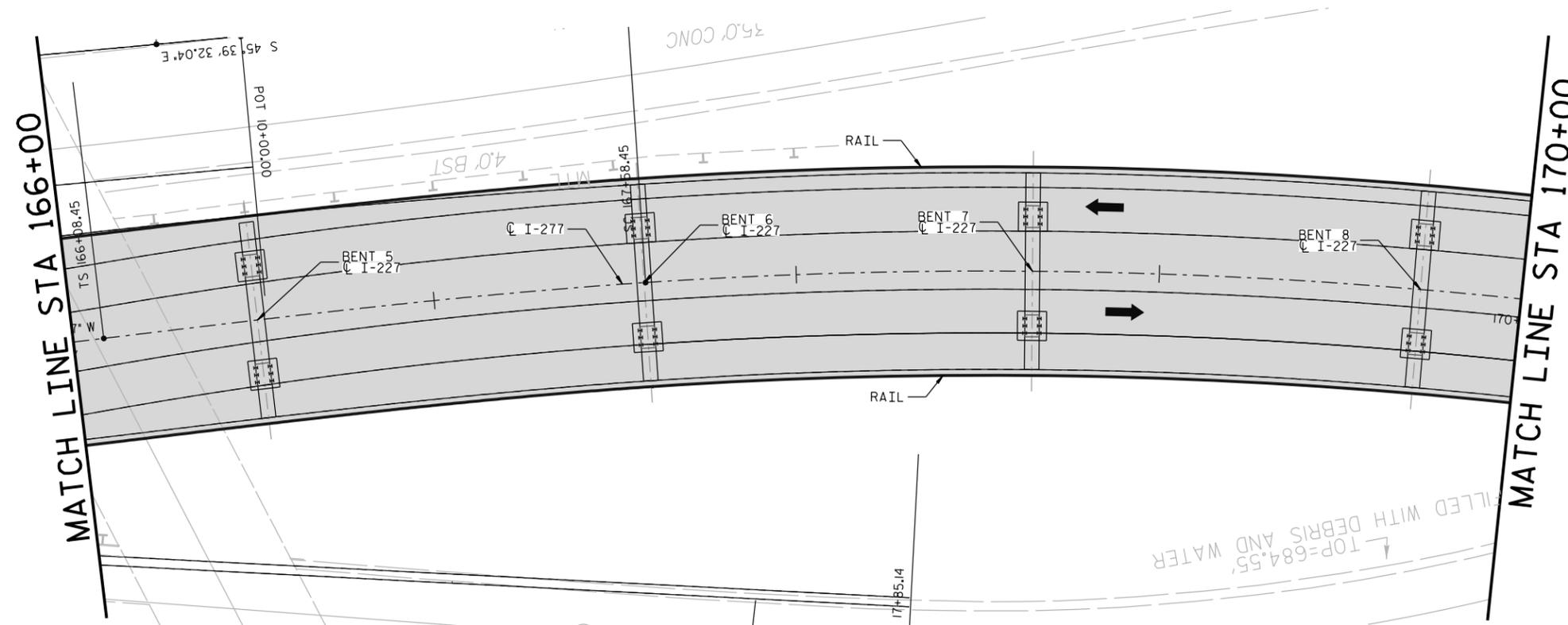
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE 107
590XXX
DIRECT CONNECTOR I77-I277.
PLAN & PROFILE

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	18
1			3			TOTAL SHEETS
2			4			48



ELEVATION



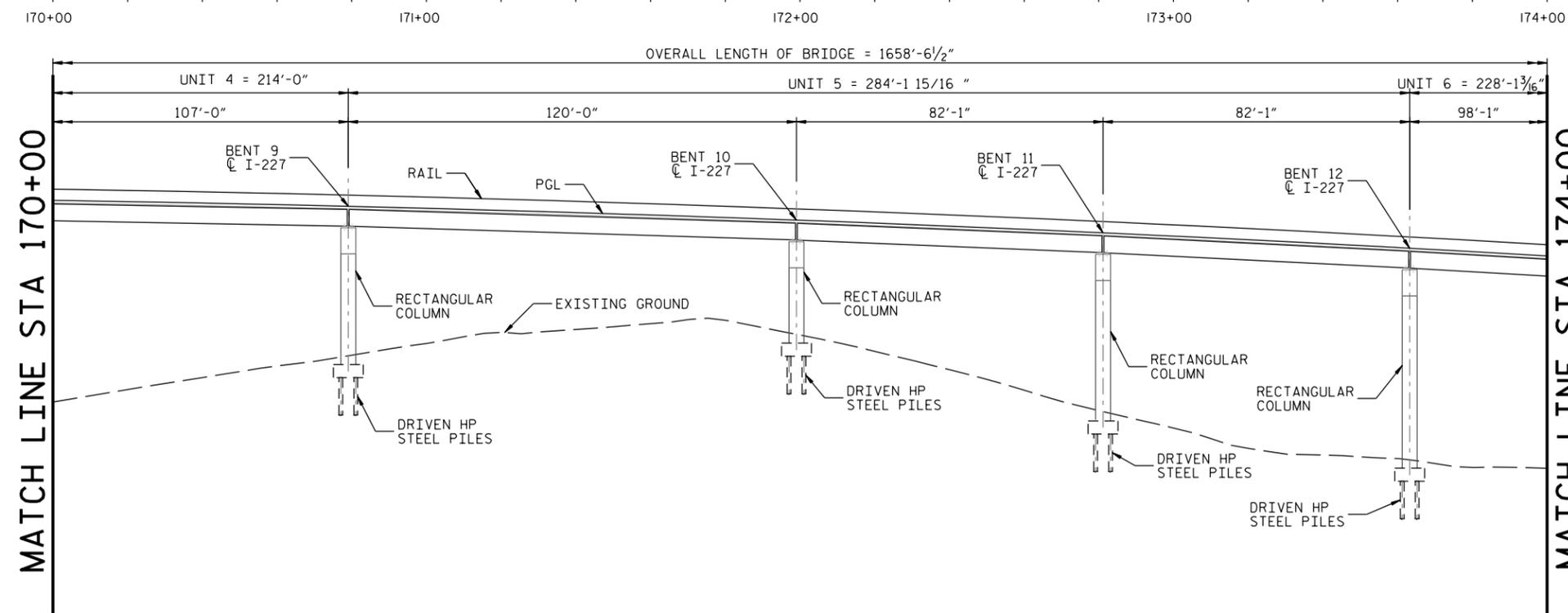
PLAN

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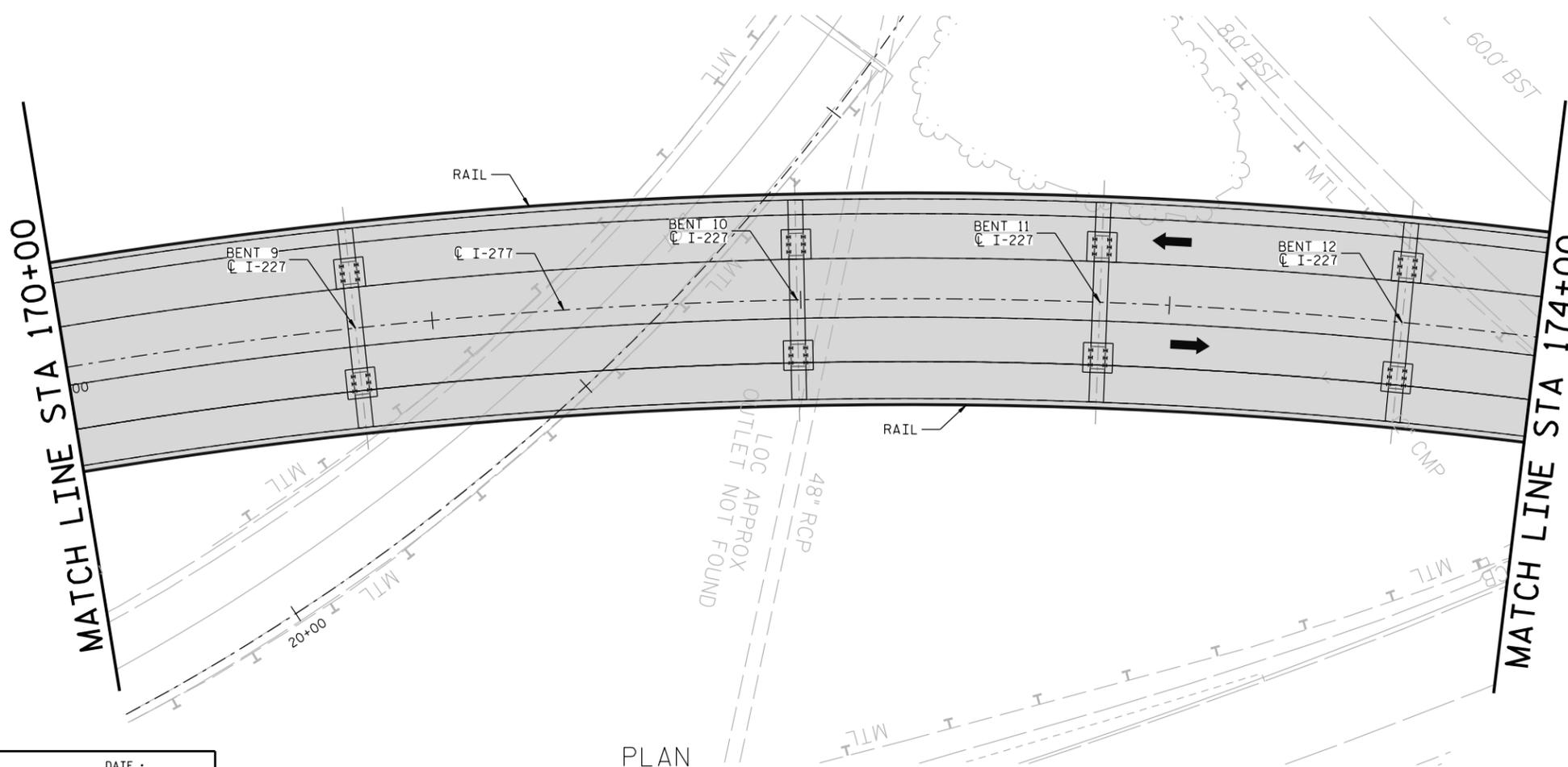
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CHECKED BY : _____ DATE : _____

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02/26/2014



ELEVATION



PLAN

- NOTES:
1. ALL RETAINING WALL ARE MSE TYPE, UNLESS OTHERWISE NOTED ON PLANS.
 2. MINIMUM VERTICAL CLEARANCES ARE MET FOR EXISTING STRUCTURES UNLESS OTHERWISE NOTED ON THE PLANS.
 3. DIRECT CONNECTOR OVER HAMILTON STREET: MIN. VERTICAL CLEARANCE 17' PER BOOK 2.
 4. DIRECT CONNECTOR OVER CONNECTOR I277WB/I77SB: MIN. VERTICAL CLEARANCE 17' PER BOOK 2.
 5. DIRECT CONNECTOR OVER GLP I77NB: MIN. VERTICAL CLEARANCE 17' PER BOOK 2.
 6. DIRECT CONNECTOR OVER GLP I277WB: MIN. VERTICAL CLEARANCE 17' PER BOOK 2.
- BUILD APPROACH SLAB AND/OR APPROACH FILL, IF REQUIRED BASED ON BOOK 2 SECTION 14.2.5.

ALL BRIDGE LIMITS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.

PROJECT NO. I-77 HOT LANES
MECKLENBURG/IREDELL COUNTY
STATION: 162+23

SHEET 3 OF 5

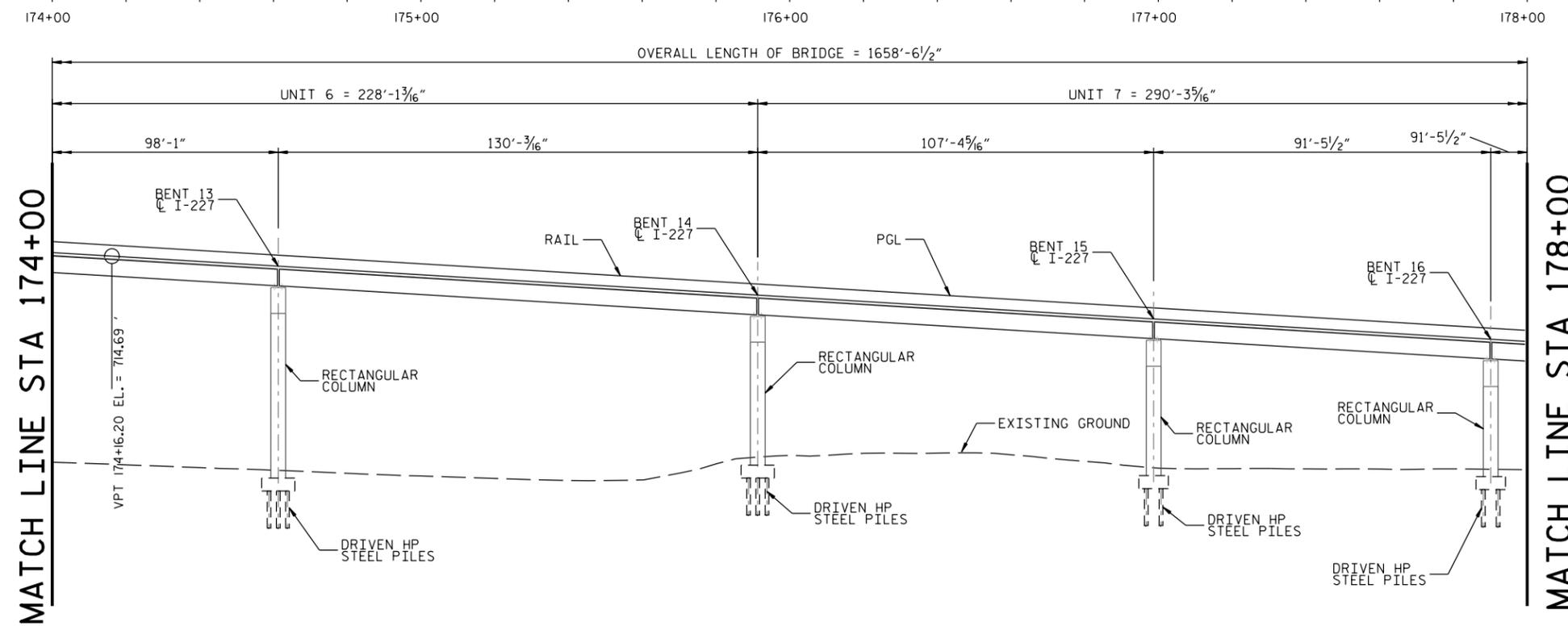
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE 107
590XXX
DIRECT CONNECTOR I77-I277.
PLAN & PROFILE

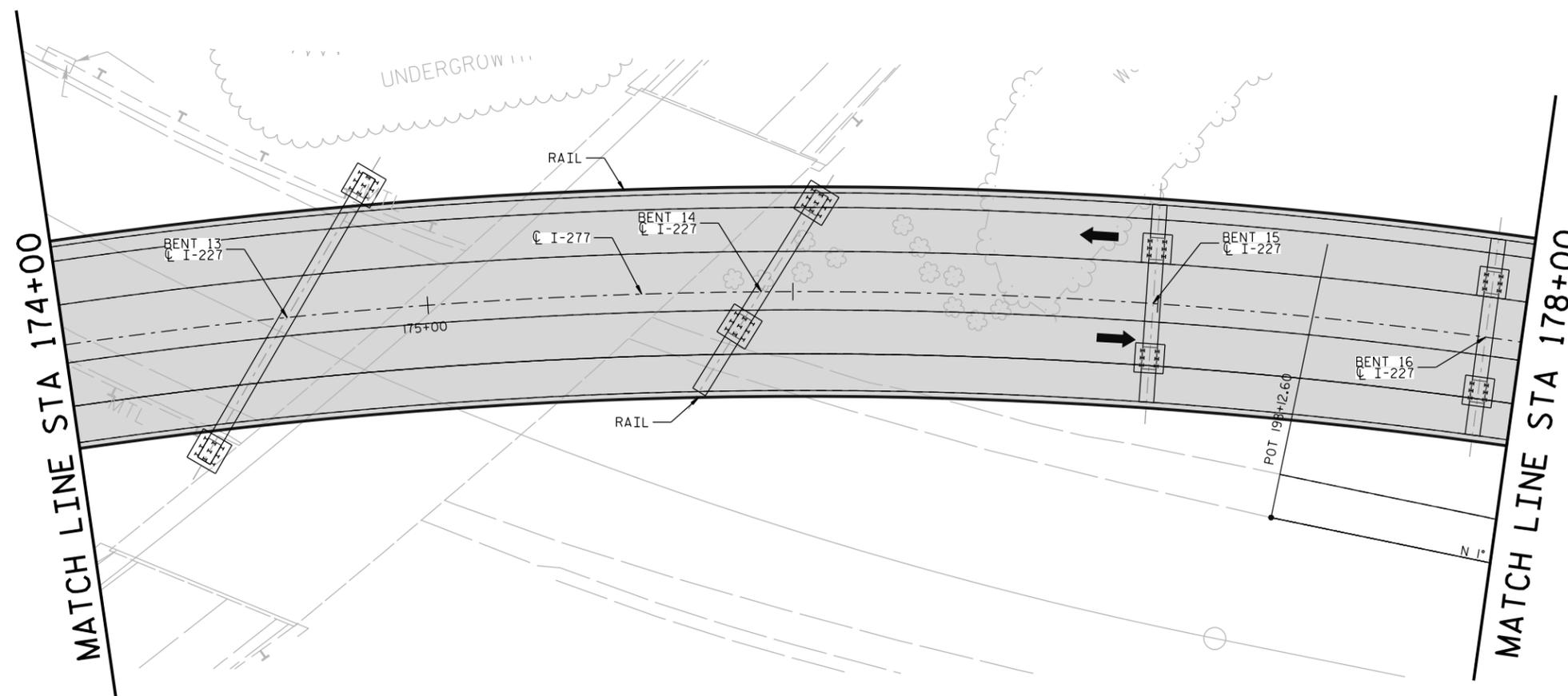
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2			4			TOTAL SHEETS 48

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DRAWN BY : _____ DATE : _____
CHECKED BY : _____ DATE : _____



ELEVATION



PLAN

- NOTES:
1. ALL RETAINING WALL ARE MSE TYPE, UNLESS OTHERWISE NOTED ON PLANS.
 2. MINIMUM VERTICAL CLEARANCES ARE MET FOR EXISTING STRUCTURES UNLESS OTHERWISE NOTED ON THE PLANS.
 3. DIRECT CONNECTOR OVER HAMILTON STREET: MIN. VERTICAL CLEARANCE 17' PER BOOK 2.
 4. DIRECT CONNECTOR OVER CONNECTOR I277WB/I77SB: MIN. VERTICAL CLEARANCE 17' PER BOOK 2.
 5. DIRECT CONNECTOR OVER GLP I77NB: MIN. VERTICAL CLEARANCE 17' PER BOOK 2.
 6. DIRECT CONNECTOR OVER GLP I277WB: MIN. VERTICAL CLEARANCE 17' PER BOOK 2.
- BUILD APPROACH SLAB AND/OR APPROACH FILL, IF REQUIRED BASED ON BOOK 2 SECTION 14.2.5.

ALL BRIDGE LIMITS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.

PROJECT NO. I-77 HOT LANES
MECKLENBURG/IREDELL COUNTY
STATION: 162+23

SHEET 4 OF 5

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

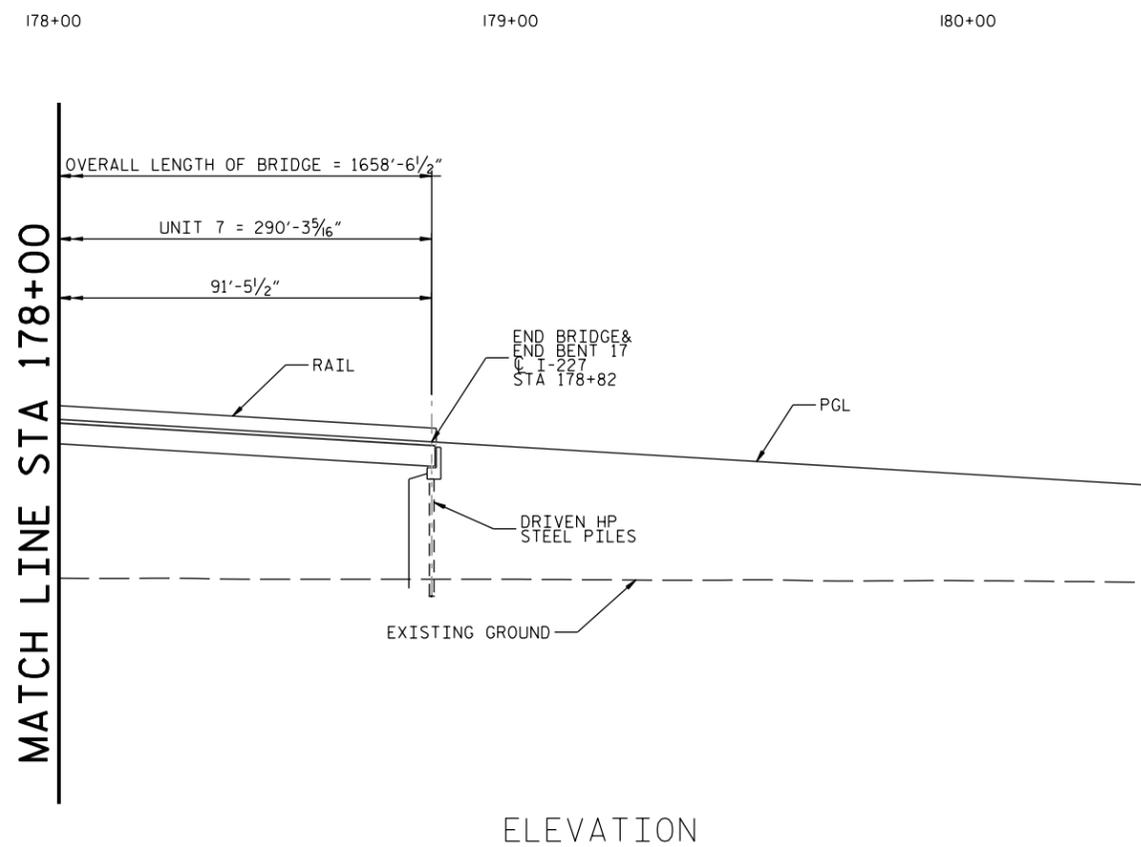
BRIDGE 107
590XXX
DIRECT CONNECTOR I77-I277.
PLAN & PROFILE

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	20
1			3			TOTAL SHEETS
2			4			48

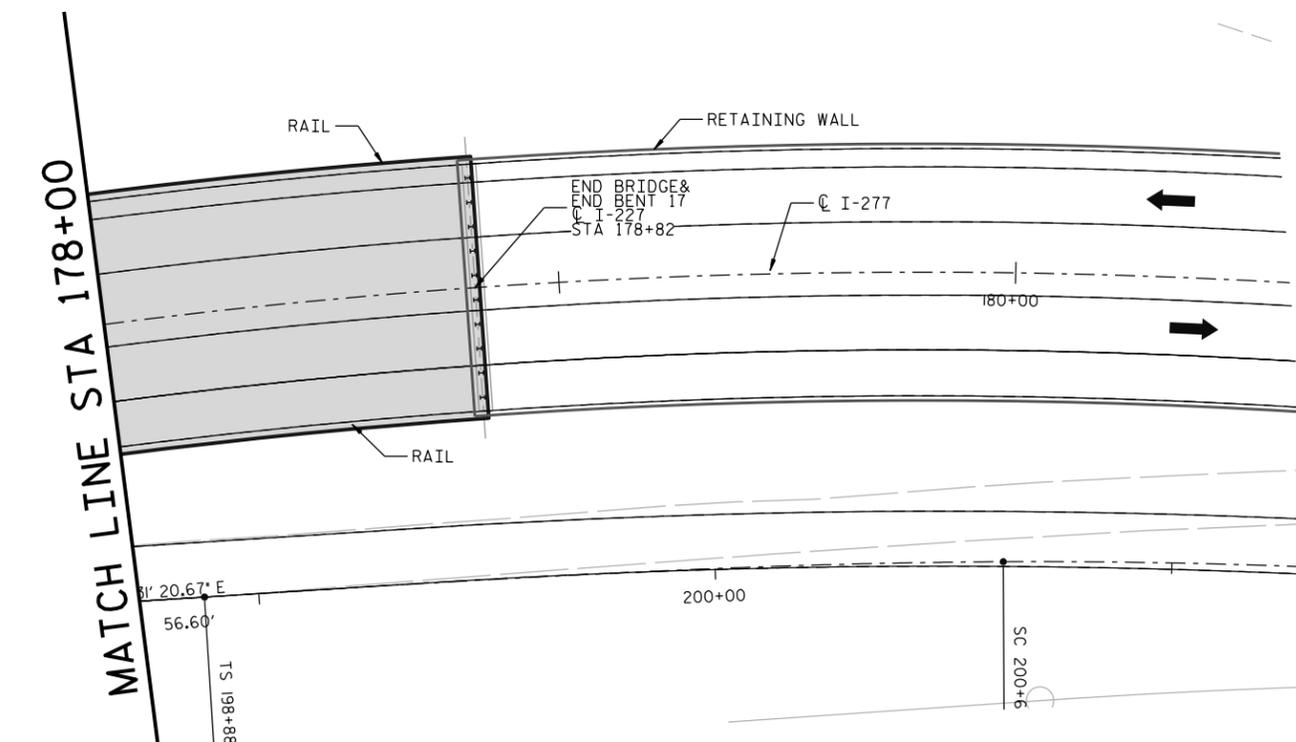
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CHECKED BY : _____ DATE : _____

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ELEVATION



PLAN

- NOTES:
1. ALL RETAINING WALL ARE MSE TYPE, UNLESS OTHERWISE NOTED ON PLANS.
 2. MINIMUM VERTICAL CLEARANCES ARE MET FOR EXISTING STRUCTURES UNLESS OTHERWISE NOTED ON THE PLANS.
 3. DIRECT CONNECTOR OVER HAMILTON STREET: MIN. VERTICAL CLEARANCE 17' PER BOOK 2.
 4. DIRECT CONNECTOR OVER CONNECTOR I277WB/I77SB: MIN. VERTICAL CLEARANCE 17' PER BOOK 2.
 5. DIRECT CONNECTOR OVER GLP I77NB: MIN. VERTICAL CLEARANCE 17' PER BOOK 2.
 6. DIRECT CONNECTOR OVER GLP I277WB: MIN. VERTICAL CLEARANCE 17' PER BOOK 2.

BUILD APPROACH SLAB AND/OR APPROACH FILL, IF REQUIRED BASED ON BOOK 2 SECTION 14.2.5.

ALL BRIDGE LIMITS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.

PROJECT NO. I-77 HOT LANES
MECKLENBURG/IREDELL COUNTY
STATION: _____ 162+23

SHEET 5 OF 5

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE 107
590XXX
DIRECT CONNECTOR I77-I277.
PLAN & PROFILE

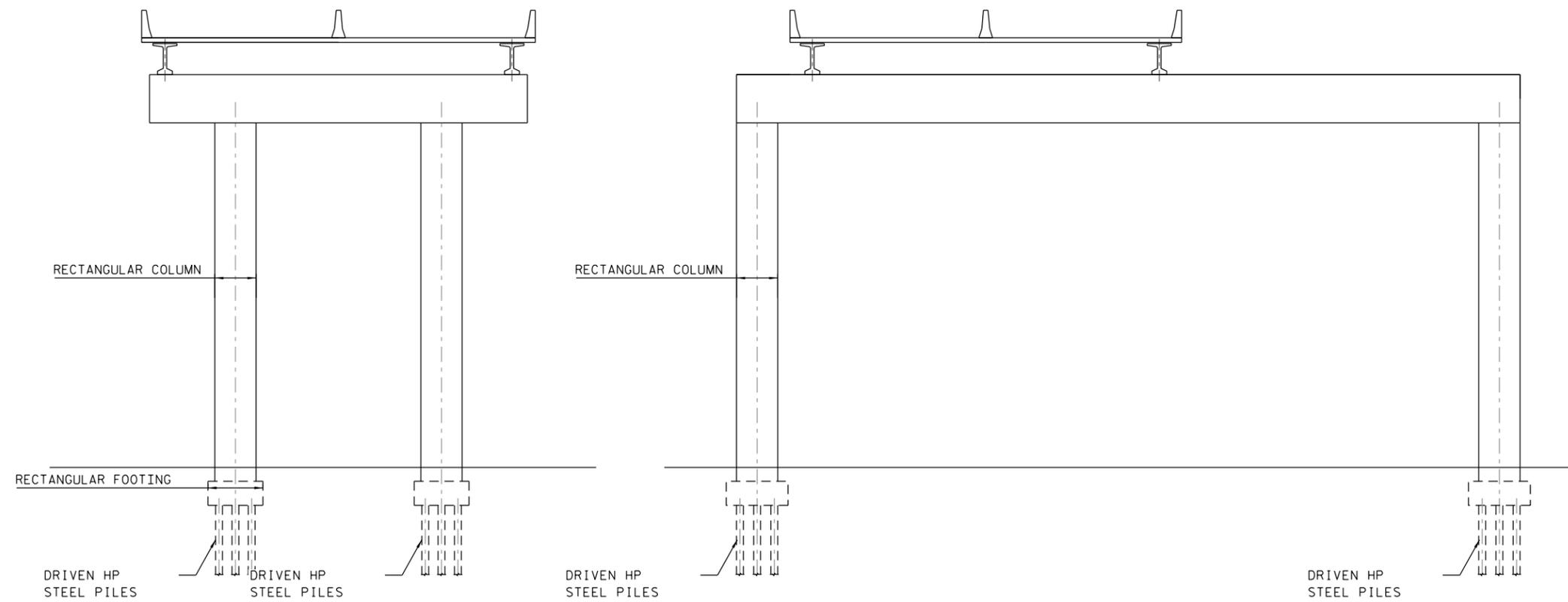
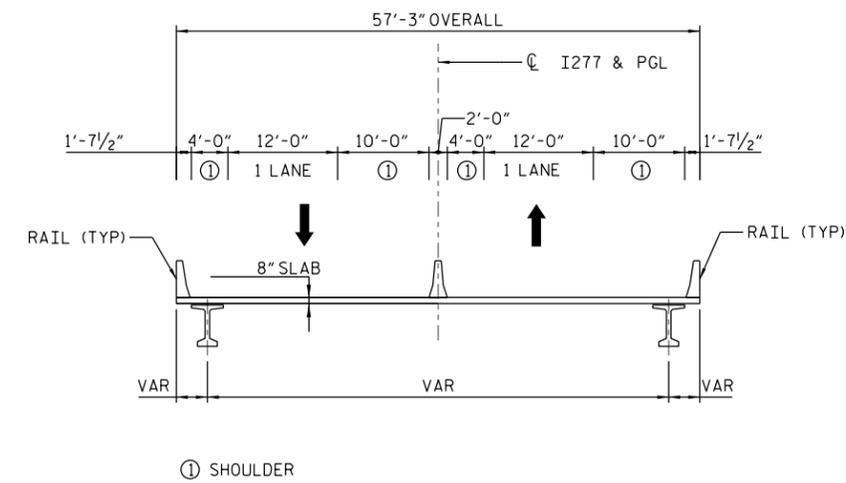
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NO.	BY:	DATE:	NO.	BY:	DATE:	21
1			3			TOTAL SHEETS
2			4			48

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CHECKED BY : _____ DATE : _____

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ALL BRIDGE LIMITS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.

PROJECT NO. I-77 HOT LANES
MECKLENBURG/IREDELL COUNTY
STATION: _____ 162+23

SHEET 1 OF 1

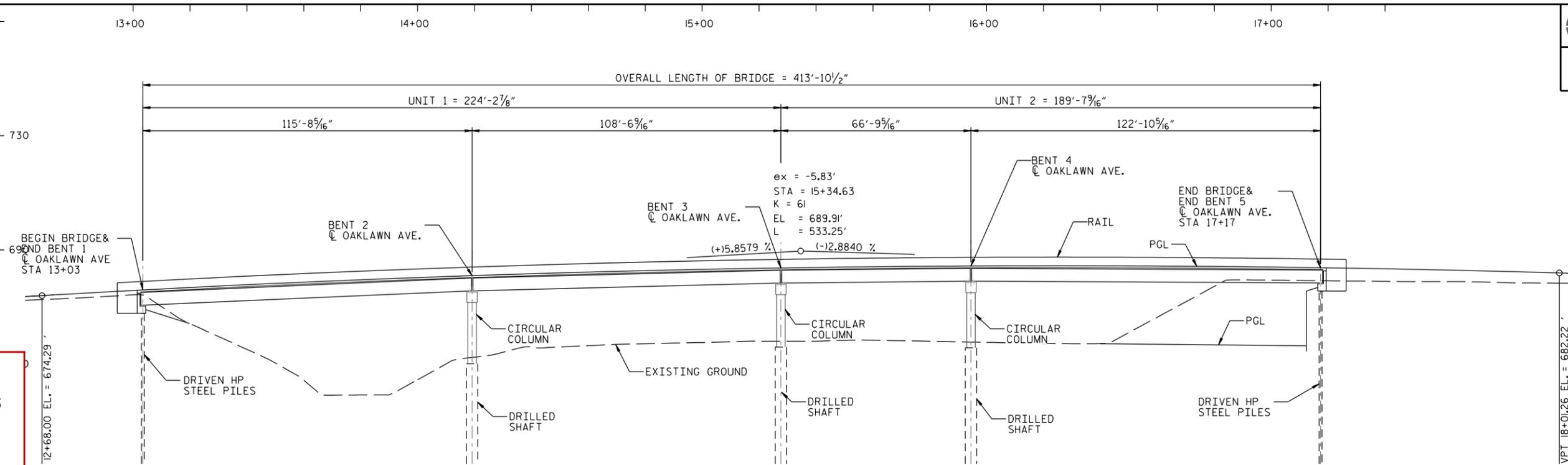
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE 107
590XXX
DIRECT CONNECTOR I77-I277.
TYPICAL SECTION

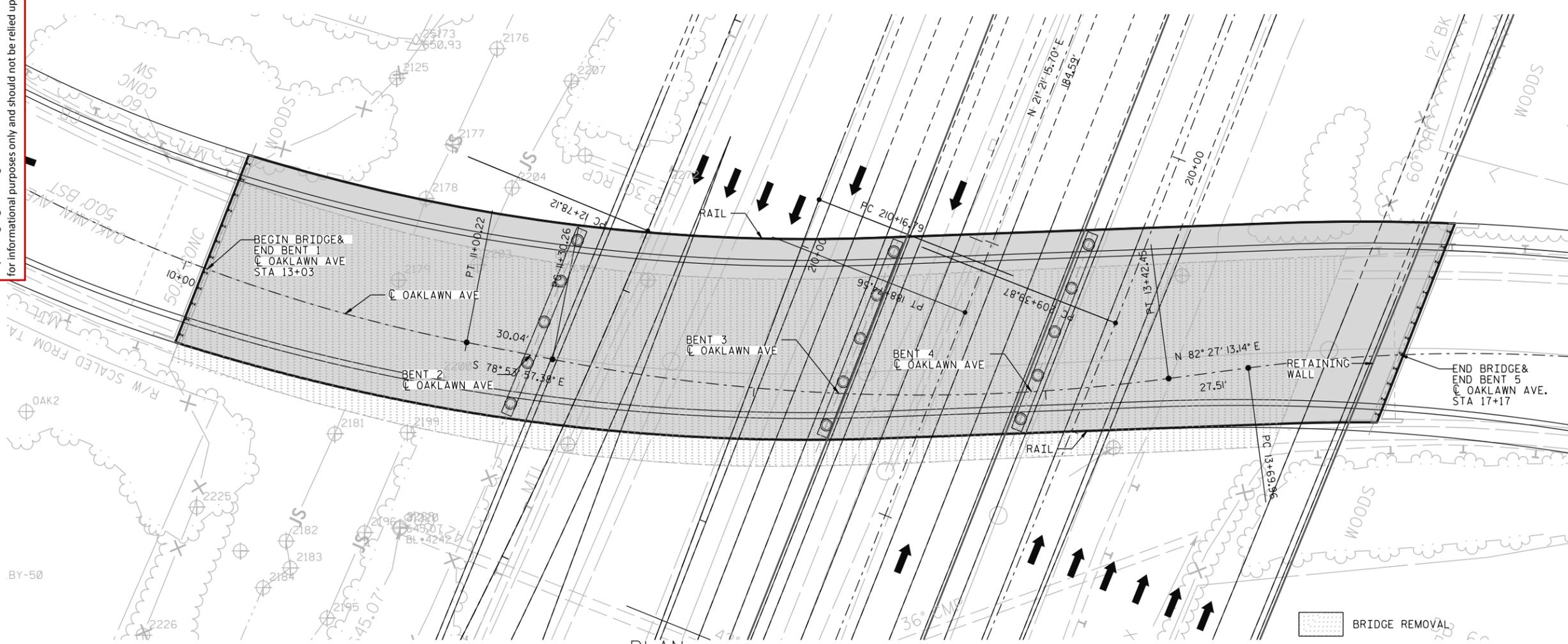
REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			22
2			4			48

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CHECKED BY : _____ DATE : _____

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ELEVATION



PLAN

- NOTES:
1. ALL RETAINING WALL ARE MSE TYPE, UNLESS OTHERWISE NOTED ON PLANS.
 2. MINIMUM VERTICAL CLEARANCES ARE MET FOR EXISTING STRUCTURES UNLESS OTHERWISE NOTED ON THE PLANS.
 3. OAKLAWN STREET OVER I77: MIN. VERTICAL CLEARANCE 17' PER BOOK 2.

BUILD APPROACH SLAB AND/OR APPROACH FILL, IF REQUIRED BASED ON BOOK 2 SECTION 14.2.5.

ALL BRIDGE LIMITS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.

PROJECT NO. I-77 HOT LANES
 MECKLENBURG/IREDELL COUNTY
 STATION: 13+03

SHEET 1 OF 1

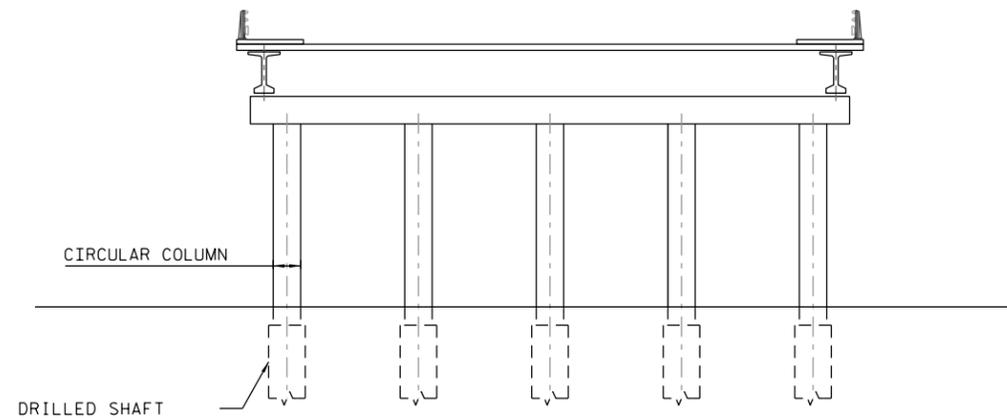
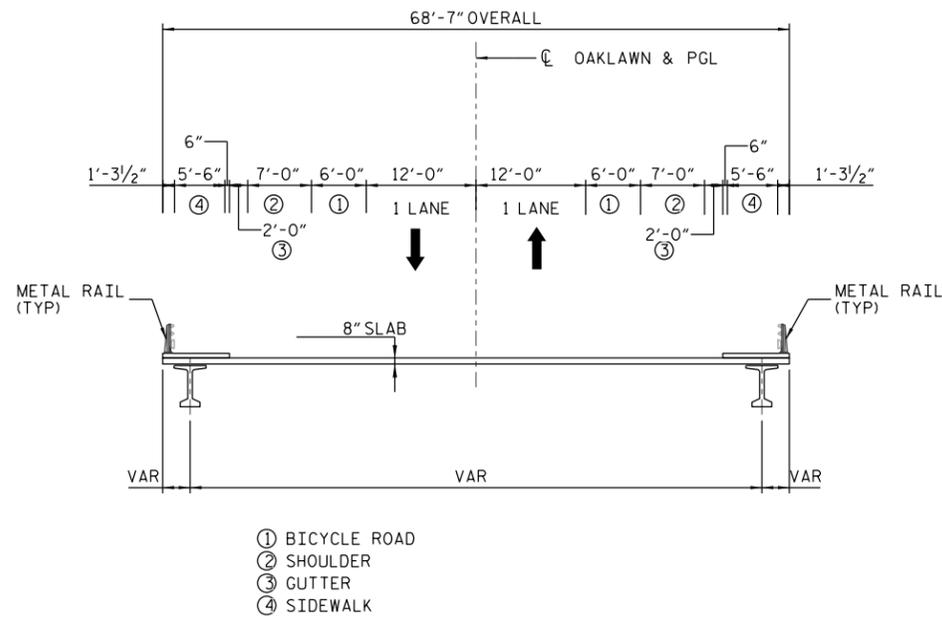
STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

BRIDGE 108
 590286
 OAKLAWN AVE OVER I-77.
 PLAN & PROFILE

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	23
1			3			TOTAL SHEETS
2			4			48

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DRAWN BY : _____ DATE : _____
 CHECKED BY : _____ DATE : _____



ALL BRIDGE LIMITS ARE PRELIMINARY
AND SUBJECT TO CHANGE DURING DETAIL
DESIGN.

PROJECT NO. I-77 HOT LANES
MECKLENBURG/IREDELL COUNTY
STATION: _____ 13+03

SHEET 1 OF 1

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

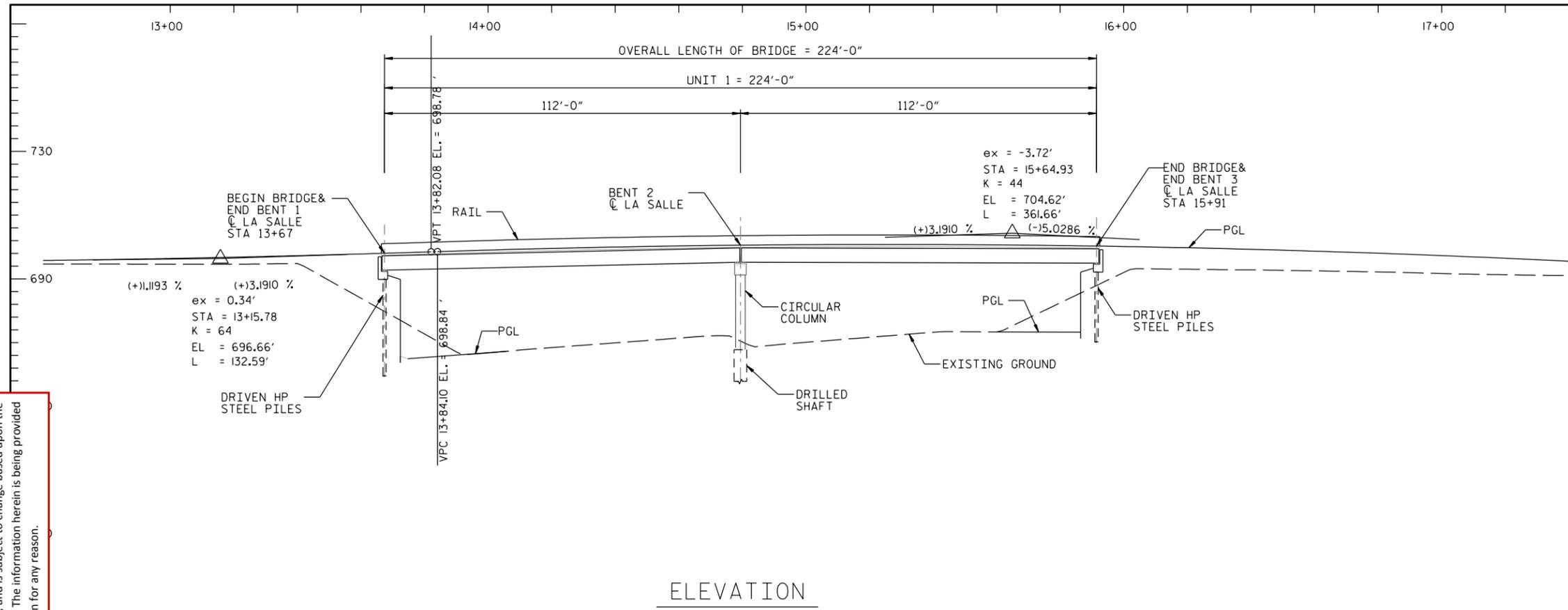
BRIDGE 108
590286
OAKLAWN AVE OVER I-77.
TYPICAL SECTION

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	24
1			3			TOTAL SHEETS
2			4			48

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CHECKED BY : _____ DATE : _____

2/26/2014 4:57:57 PM P:\087 177 North Carolina Bridges\Drawings\04 PREL\02\BR108_2.dwg: DML\WLB\15081.dwg



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 2. MINIMUM VERTICAL CLEARANCES ARE MET FOR EXISTING STRUCTURES UNLESS OTHERWISE NOTED ON THE PLANS.
 3. LA SALLE STREET OVER I77: MIN. VERTICAL CLEARANCE 17' PER BOOK 2.

BUILD APPROACH SLAB AND/OR APPROACH FILL, IF REQUIRED BASED ON BOOK 2 SECTION 14.2.5.

ALL BRIDGE LIMITS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.

PROJECT NO. I-77 HOT LANES
MECKLENBURG/IREDELL COUNTY
STATION: 13+67

SHEET 1 OF 1

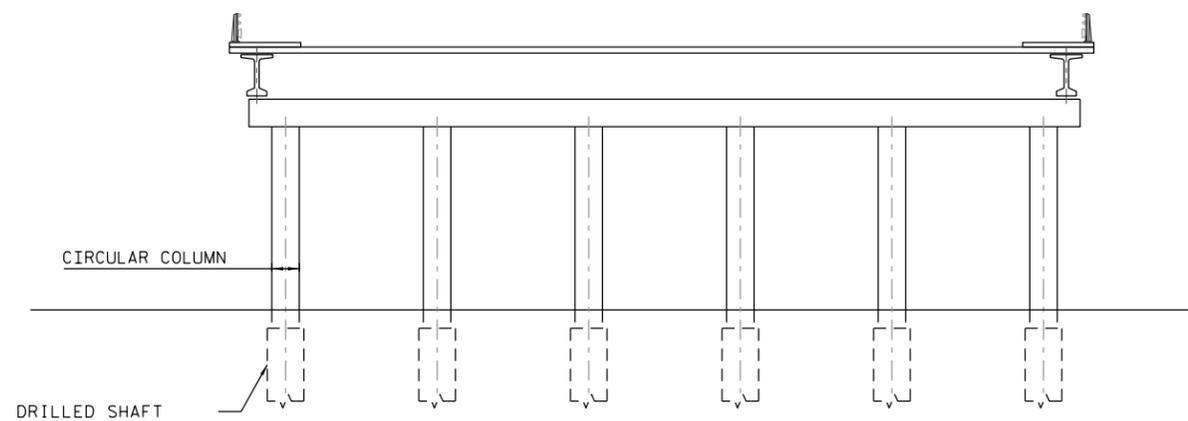
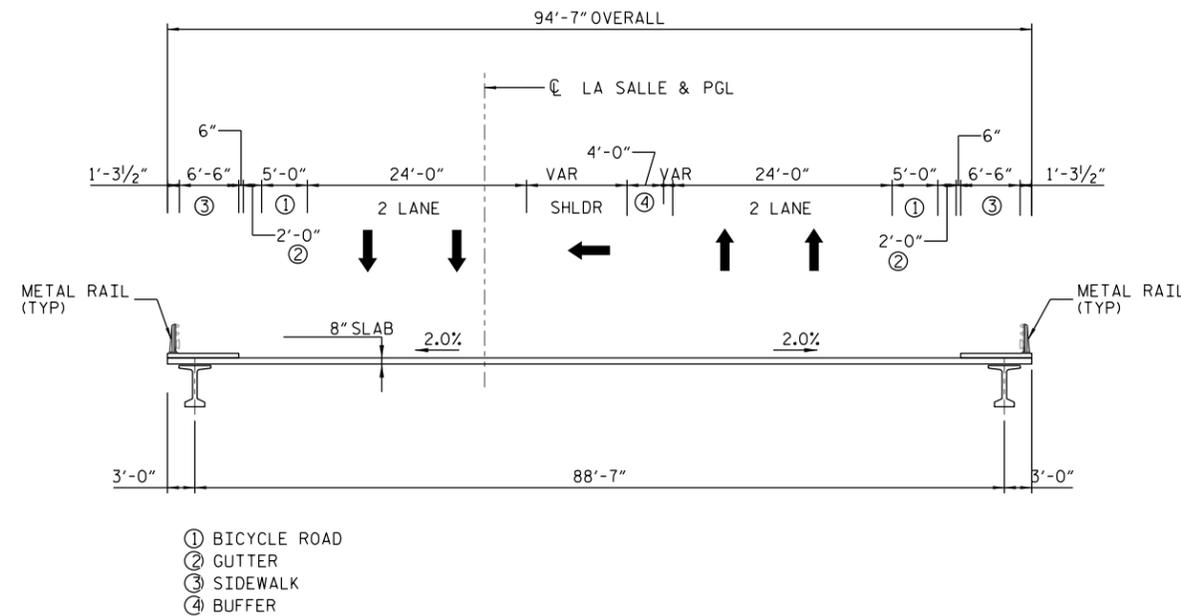
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE 109
590153
SR 2712 (LA SALLE ST) OVER I-77.
PLAN & PROFILE



DRAWN BY : _____ DATE : _____
CHECKED BY : _____ DATE : _____

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			25
2			4			48



ALL BRIDGE LIMITS ARE PRELIMINARY
AND SUBJECT TO CHANGE DURING DETAIL
DESIGN.

PROJECT NO. I-77 HOT LANES
MECKLENBURG/IREDELL COUNTY
STATION: _____ 13+67

SHEET 1 OF 1

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

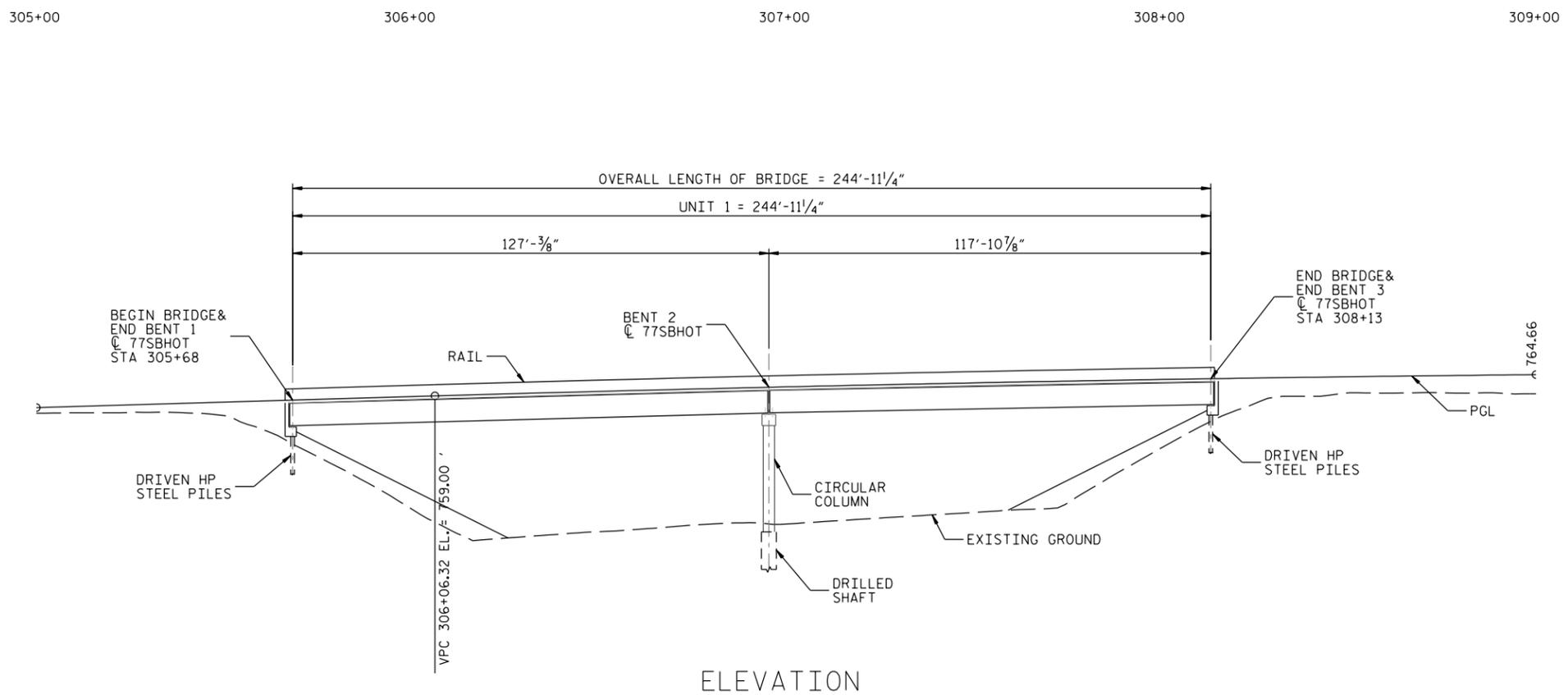
BRIDGE 109
590153
SR 2712 (LA SALLE ST) OVER I-77.
TYPICAL SECTION

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	26
1			3			TOTAL SHEETS
2			4			48

DRAWN BY : _____ DATE : _____
CHECKED BY : _____ DATE : _____

The information included herein was developed as part of a conceptual proposal, does not necessarily reflect the ultimate design or construction of the I-77 Project, and is subject to change based upon the impending higher design effort and NCDOT's review thereof. The information herein is being provided for informational purposes only and should not be relied upon for any reason.

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ELEVATION

NOTES:

1. ALL RETAINING WALL ARE MSE TYPE, UNLESS OTHERWISE NOTED ON PLANS.
2. MINIMUM VERTICAL CLEARANCES ARE MET FOR EXISTING STRUCTURES UNLESS OTHERWISE NOTED ON THE PLANS.
3. I77NB OVER I85: MIN. VERTICAL CLEARANCE 15.75' PER DE05-VC.

BUILD APPROACH SLAB AND/OR APPROACH FILL, IF REQUIRED BASED ON BOOK 2 SECTION 14.2.5.

ALL BRIDGE LIMITS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.

PROJECT NO. I-77 HOT LANES
MECKLENBURG/IREDELL COUNTY
STATION: 305+68

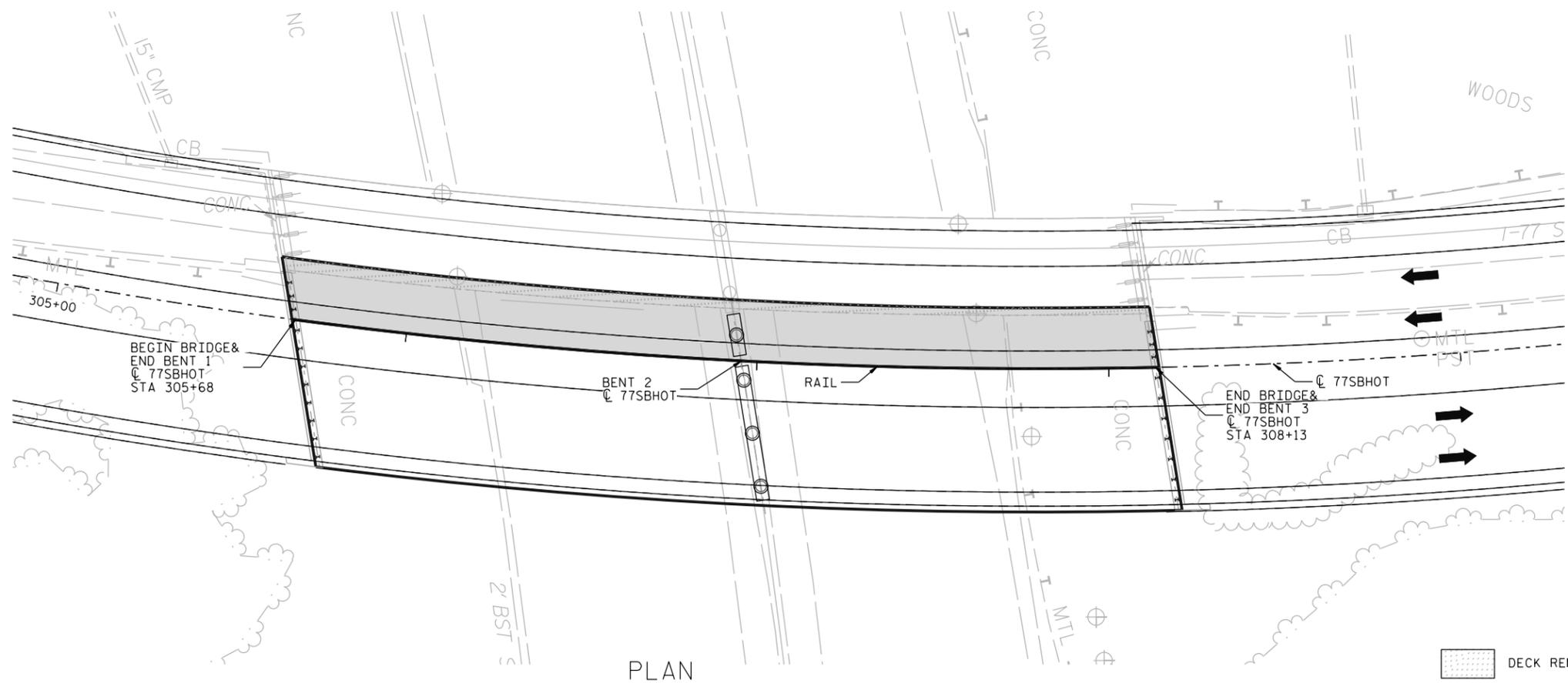
SHEET 1 OF 1

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE 111
591037
SB HOT LANES OVER I-85.
PLAN & PROFILE

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	30
1			3			TOTAL SHEETS
2			4			48

The information included herein was developed as part of a conceptual proposal, does not necessarily reflect the ultimate design or construction of the I-77 Project, and is subject to change based upon the impending higher design effort and NCDOT's review thereof. The information herein is being provided for informational purposes only and should not be relied upon for any reason.

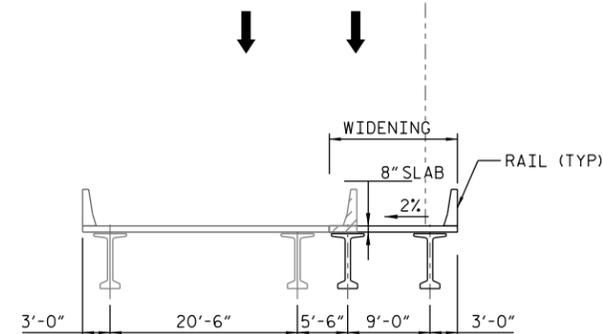
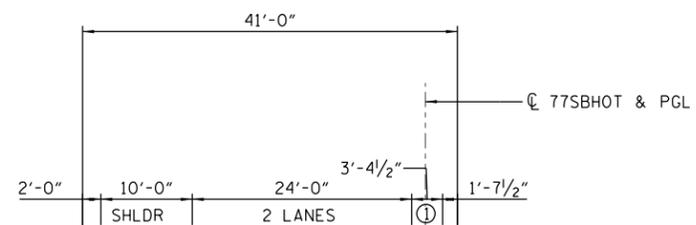


PLAN

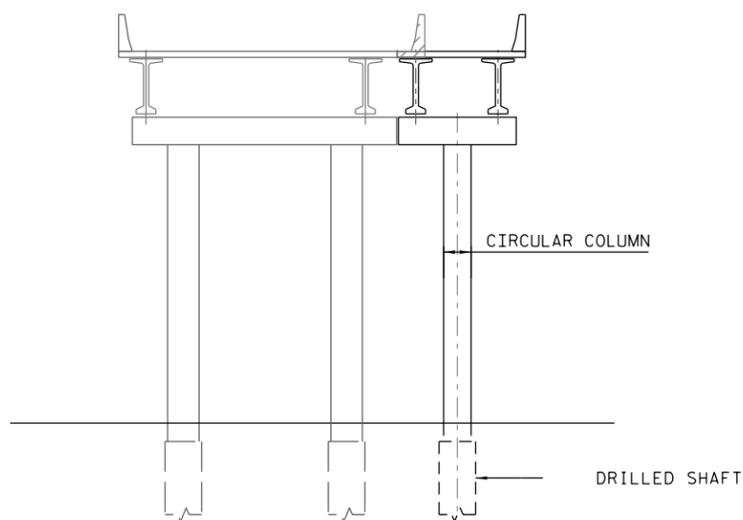
DECK REMOVAL

DRAWN BY : _____ DATE : _____
CHECKED BY : _____ DATE : _____

2/26/2014 4:58:12 PM P:\087_177_Hot_Lanes_Central_Line_Bridges\Drawings\04_PRES\0401\BRILL\0401_077_HOTLANES\WIP\BRIDGE.PLT



① SHOULDER



REMOVAL

ALL BRIDGE LIMITS ARE PRELIMINARY
AND SUBJECT TO CHANGE DURING DETAIL
DESIGN.

PROJECT NO. I-77 HOT LANES
MECKLENBURG/IREDELL COUNTY
STATION: 305+68

SHEET 1 OF 1

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

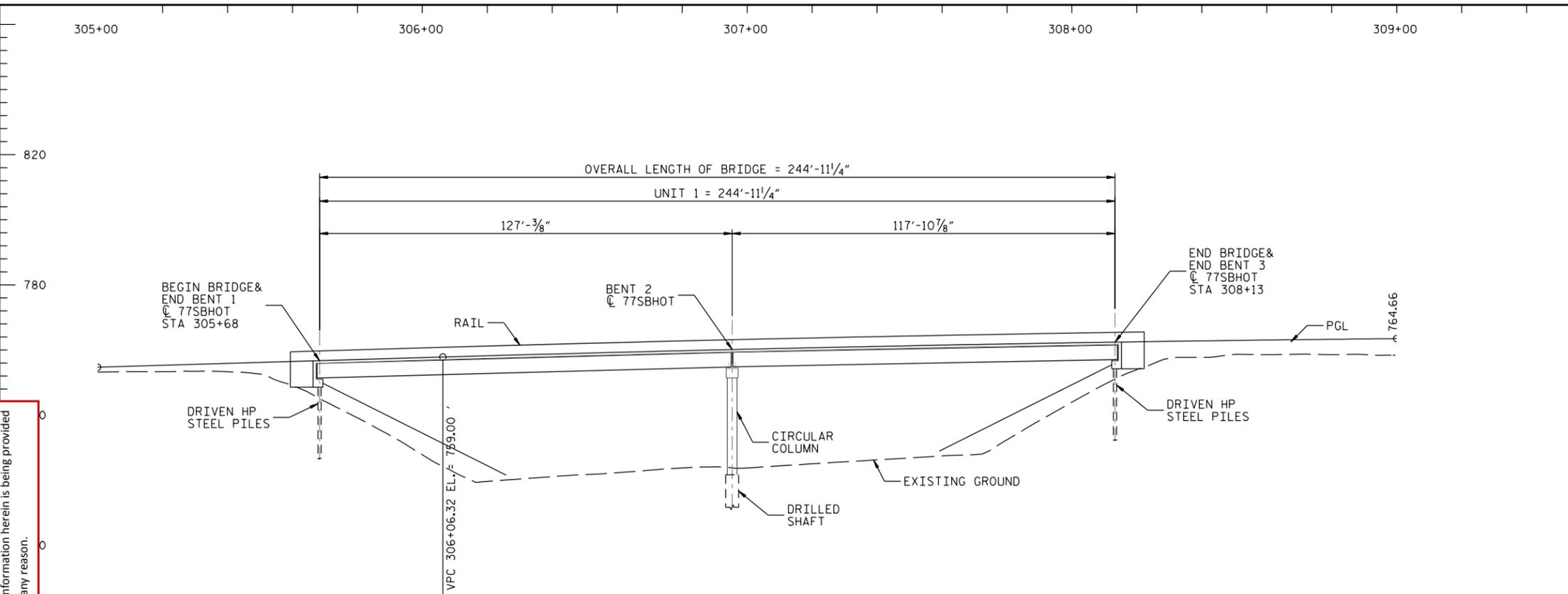
BRIDGE 111
591037
SB HOT LANES OVER I-85.
TYPICAL SECTION

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	31
1			3			TOTAL SHEETS
2			4			48

The information included herein was developed as part of a conceptual proposal, does not necessarily reflect the ultimate design or construction of the I-77 Project, and is subject to change based upon the impending higher design effort and NCDOT's review thereof. The information herein is being provided for informational purposes only and should not be relied upon for any reason.

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CHECKED BY : _____ DATE : _____

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ELEVATION

- NOTES:
1. ALL RETAINING WALL ARE MSE TYPE, UNLESS OTHERWISE NOTED ON PLANS.
 2. MINIMUM VERTICAL CLEARANCES ARE MET FOR EXISTING STRUCTURES UNLESS OTHERWISE NOTED ON THE PLANS.
 3. HOT LANES OVER I85: MIN. VERTICAL CLEARANCE 17' PER BOOK 2.

BUILD APPROACH SLAB AND/OR APPROACH FILL, IF REQUIRED BASED ON BOOK 2 SECTION 14.2.5.

ALL BRIDGE LIMITS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.

PROJECT NO. I-77 HOT LANES
MECKLENBURG/IREDELL COUNTY
STATION: 305+68

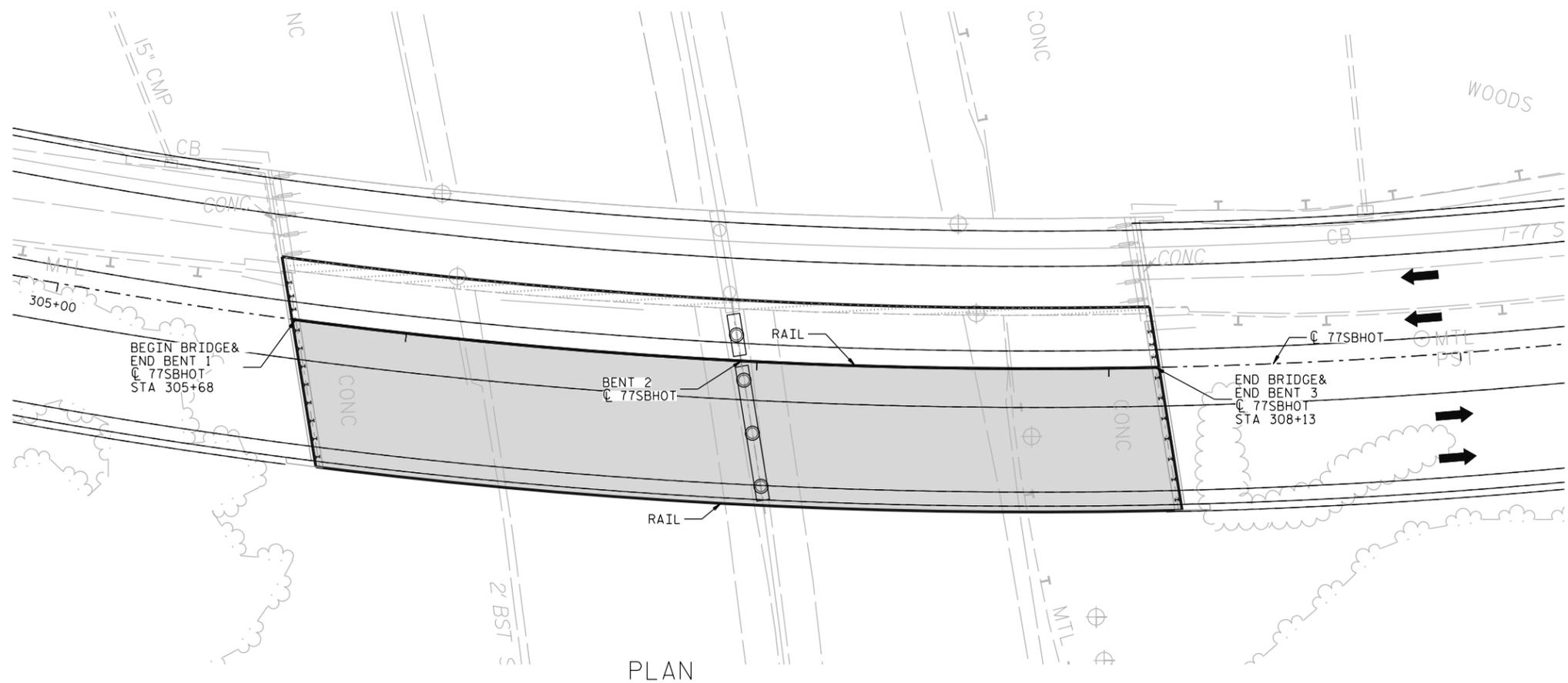
SHEET 1 OF 1

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE 112
590ZZZ
NB HOT LANES OVER I-85.
PLAN & PROFILE

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			48
2			4			48

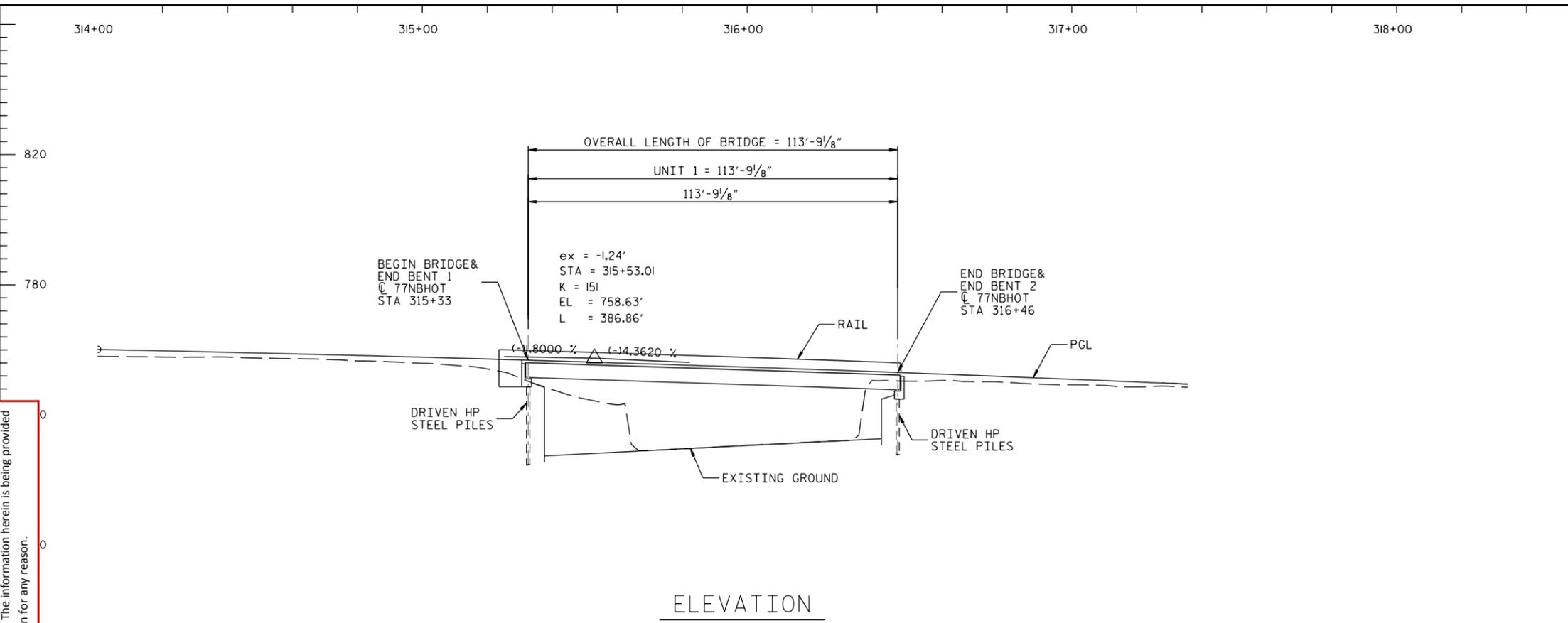
The information included herein was developed as part of a conceptual proposal, does not necessarily reflect the ultimate design or construction of the I-77 Project, and is subject to change based upon the impending higher design effort and NCDOT's review thereof. The information herein is being provided for informational purposes only and should not be relied upon for any reason.



PLAN

DRAWN BY : _____ DATE : _____
CHECKED BY : _____ DATE : _____

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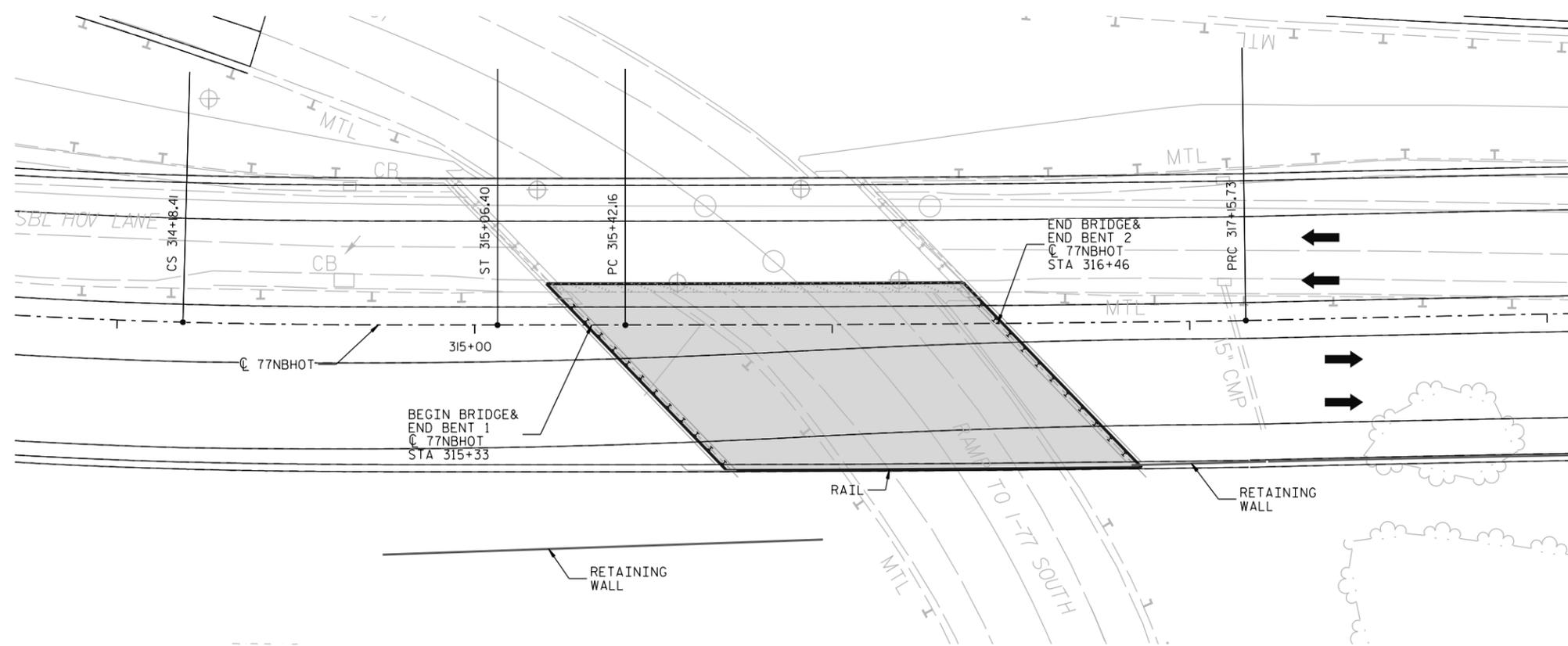
ELEVATION

The information included herein was developed as part of a conceptual proposal, does not necessarily reflect the ultimate design or construction of the I-77 Project, and is subject to change based upon the impending higher design effort and NCDOT's review thereof. The information herein is being provided for informational purposes only and should not be relied upon for any reason.

- NOTES:
1. ALL RETAINING WALL ARE MSE TYPE, UNLESS OTHERWISE NOTED ON PLANS.
 2. MINIMUM VERTICAL CLEARANCES ARE MET FOR EXISTING STRUCTURES UNLESS OTHERWISE NOTED ON THE PLANS.
 3. HOT LANES OVER I85 RAMP:
MIN. VERTICAL CLEARANCE 16.57'
SAME AS EXISTING.

BUILD APPROACH SLAB AND/OR APPROACH FILL, IF REQUIRED BASED ON BOOK 2 SECTION 14.2.5.

ALL BRIDGE LIMITS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.



PLAN

DECK REMOVAL

PROJECT NO. I-77 HOT LANES
MECKLENBURG/IREDELL COUNTY
STATION: 315+33

SHEET 1 OF 1

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

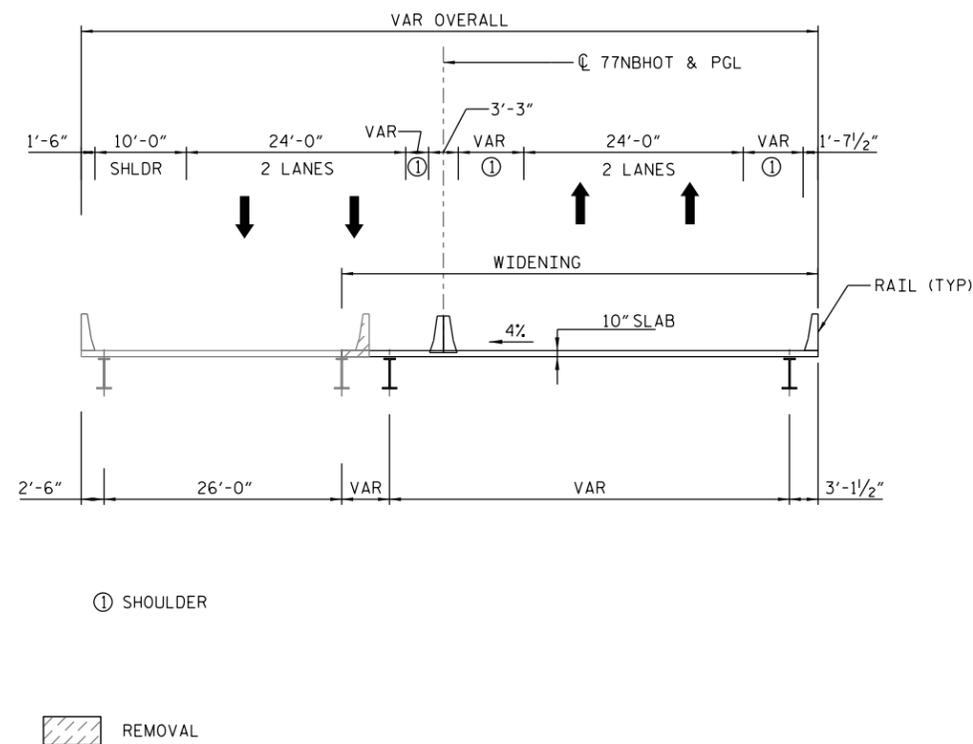
BRIDGE 113
591036
HOT LANES OVER WB I-85
RAMP TO SB I-77
PLAN & PROFILE

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			34
2			4			48

DRAWN BY : _____ DATE : _____
CHECKED BY : _____ DATE : _____

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The information included herein was developed as part of a conceptual proposal, does not necessarily reflect the ultimate design or construction of the I-77 Project, and is subject to change based upon the impending higher design effort and NCDOT's review thereof. The information herein is being provided for informational purposes only and should not be relied upon for any reason.



ALL BRIDGE LIMITS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.

PROJECT NO. I-77 HOT LANES
 MECKLENBURG/IREDELL COUNTY
 STATION: _____ 315+33

SHEET 1 OF 1

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

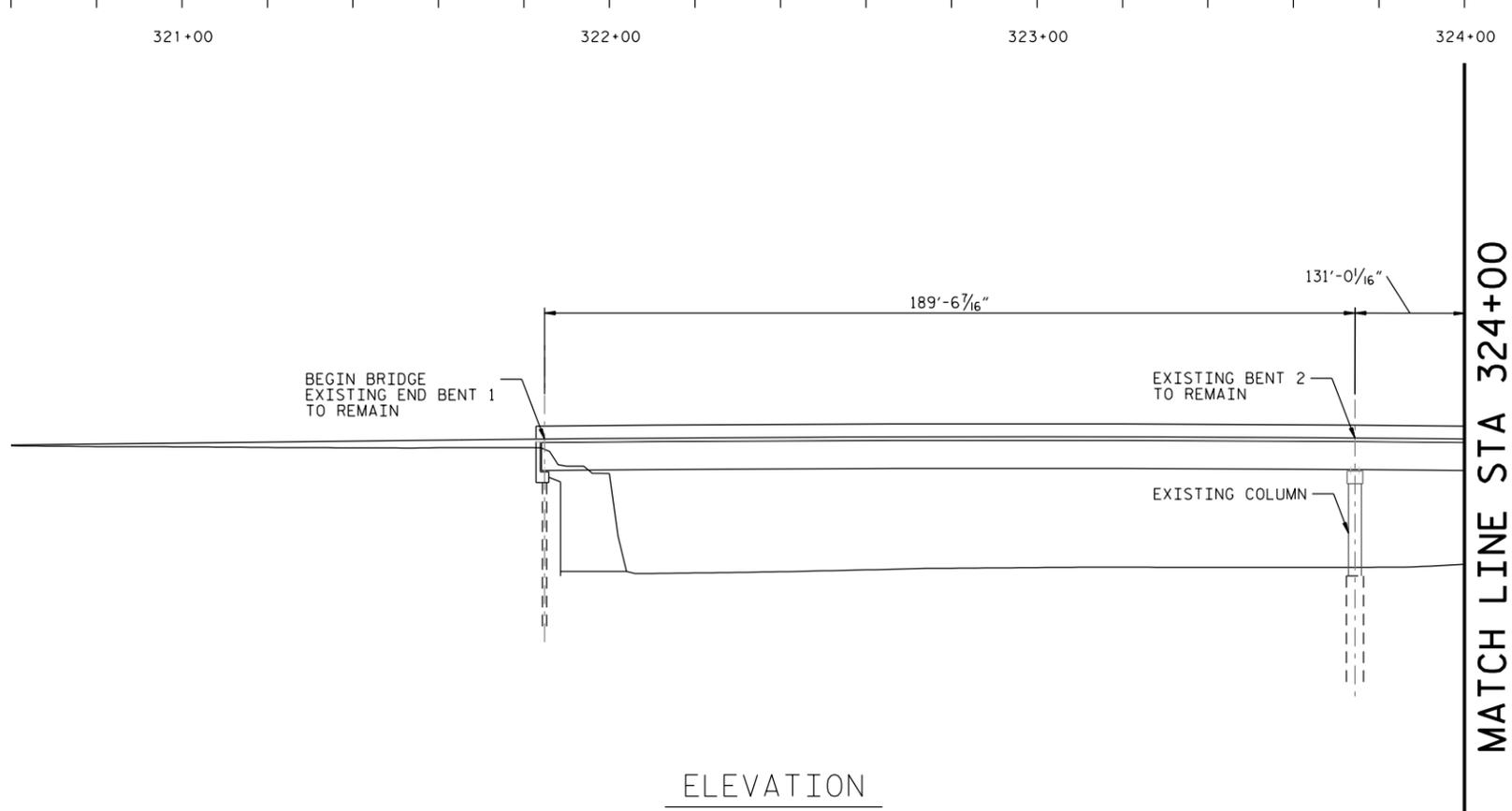
BRIDGE 113
 591036
 HOT LANES OVER WB I-85
 RAMP TO SB I-77
 TYPICAL SECTION

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	35
1			3			TOTAL SHEETS
2			4			48

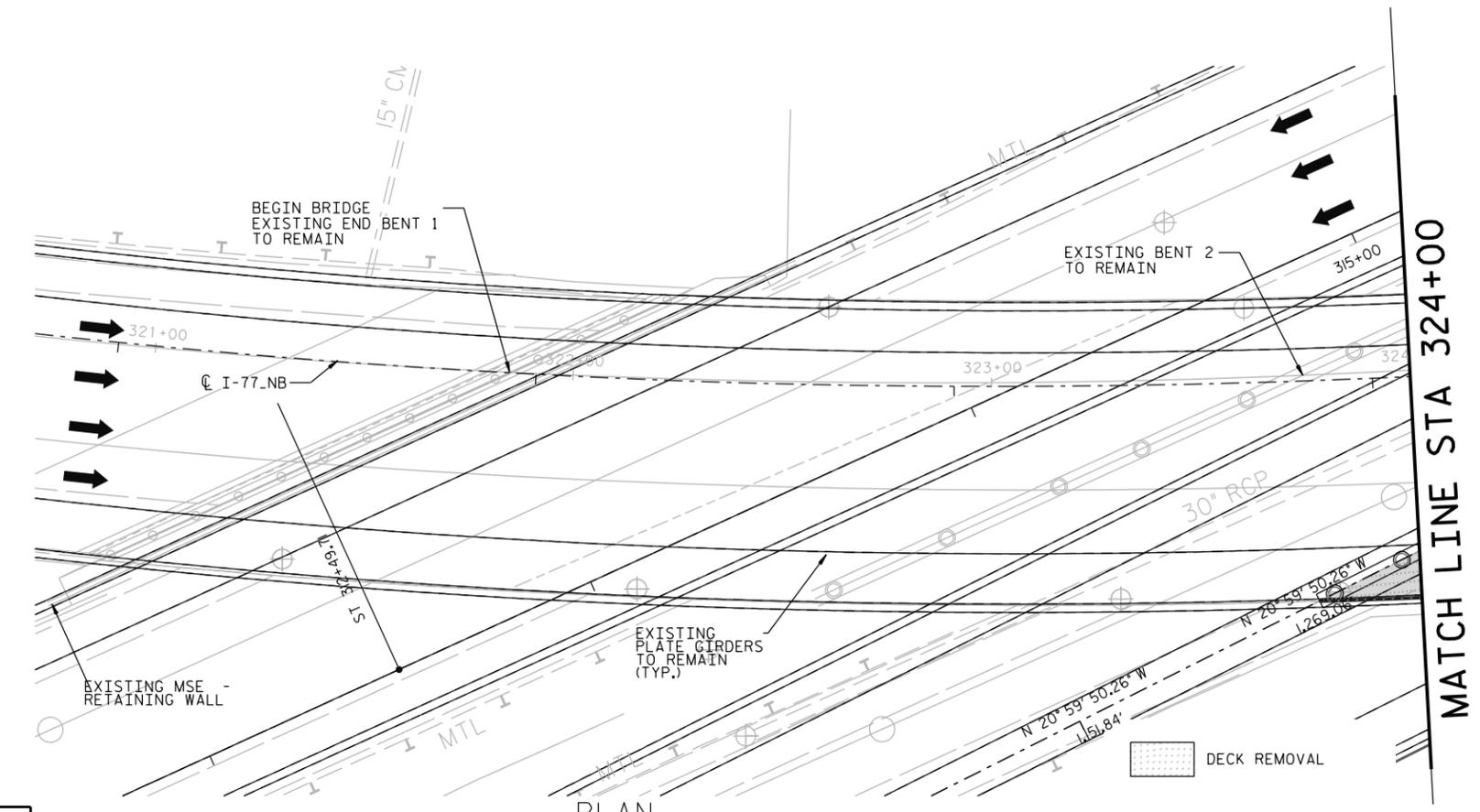
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 DRAWN BY : _____ DATE : _____
 CHECKED BY : _____ DATE : _____



The information included herein was developed as part of a conceptual proposal, does not necessarily reflect the ultimate design or construction of the I-77 Project, and is subject to change based upon the impending higher design effort and NCDOT's review thereof. The information herein is being provided for informational purposes only and should not be relied upon for any reason.



ELEVATION



PLAN

- NOTES:
1. ALL RETAINING WALL ARE MSE TYPE, UNLESS OTHERWISE NOTED ON PLANS.
 2. MINIMUM VERTICAL CLEARANCES ARE MET FOR EXISTING STRUCTURES UNLESS OTHERWISE NOTED ON THE PLANS.
 3. HOT LANES UNDER I77NB: MIN. VERTICAL CLEARANCE 17' PER BOOK 2.

BUILD APPROACH SLAB AND/OR APPROACH FILL, IF REQUIRED BASED ON BOOK 2 SECTION 14.2.5.

ALL BRIDGE LIMITS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.

PROJECT NO. I-77 HOT LANES
MECKLENBURG/IREDELL COUNTY
STATION: 325+09

SHEET 1 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE 114
590308
NB I-77 OVER SB I-77.
PLAN & PROFILE

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	36
1			3			TOTAL SHEETS
2			4			48

DRAWN BY : _____ DATE : _____
CHECKED BY : _____ DATE : _____

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MATCH LINE STA 324+00

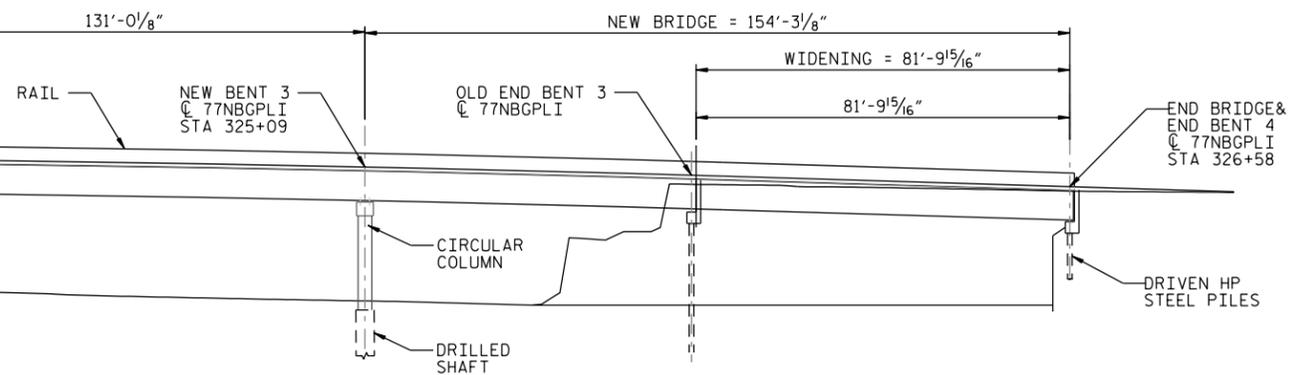
325+00

326+00

327+00

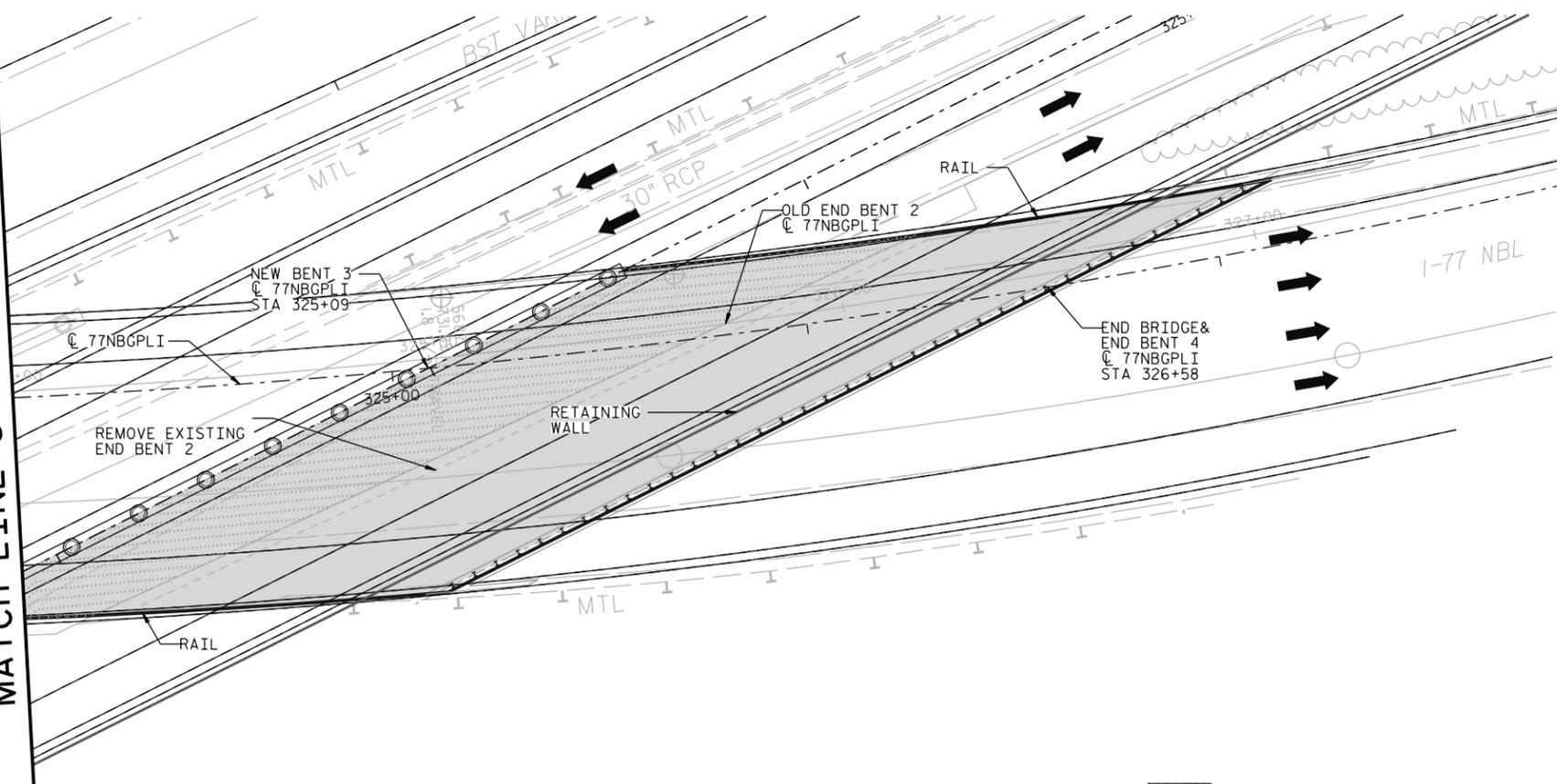
820

780



ELEVATION

MATCH LINE STA 324+00



PLAN

ALL BRIDGE LIMITS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.

PROJECT NO. I-77 HOT LANES
MECKLENBURG/IREDELL COUNTY
STATION: 325+09

SHEET 2 OF 2

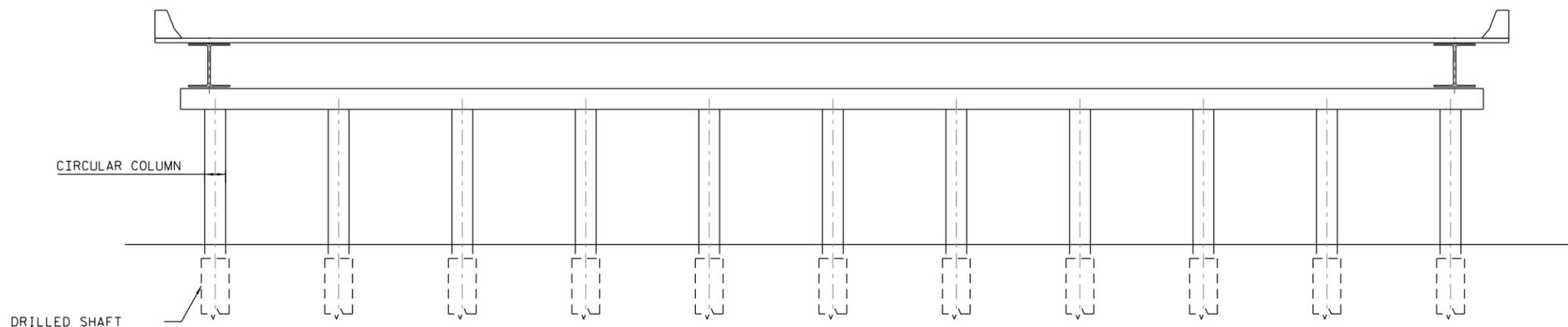
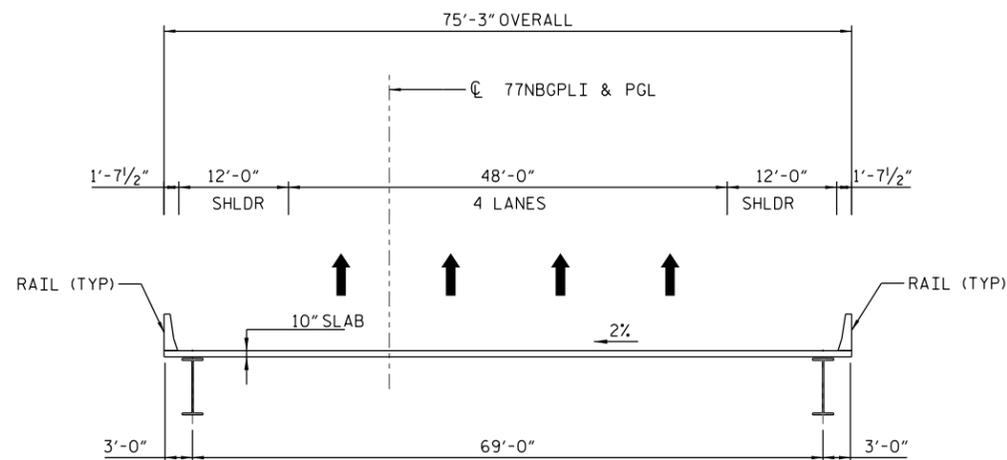
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
BRIDGE 114
590308
NB I-77 OVER SB I-77.
PLAN & PROFILE

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			37
2			4			48

The information included herein was developed as part of a conceptual proposal, does not necessarily reflect the ultimate design or construction of the I-77 Project, and is subject to change based upon the impending higher design effort and NCDOT's review thereof. The information herein is being provided for informational purposes only and should not be relied upon for any reason.

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ALL BRIDGE LIMITS ARE PRELIMINARY
 AND SUBJECT TO CHANGE DURING DETAIL
 DESIGN.

PROJECT NO. I-77 HOT LANES
 MECKLENBURG/IREDELL COUNTY
 STATION: 325+09

SHEET 1 OF 1

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

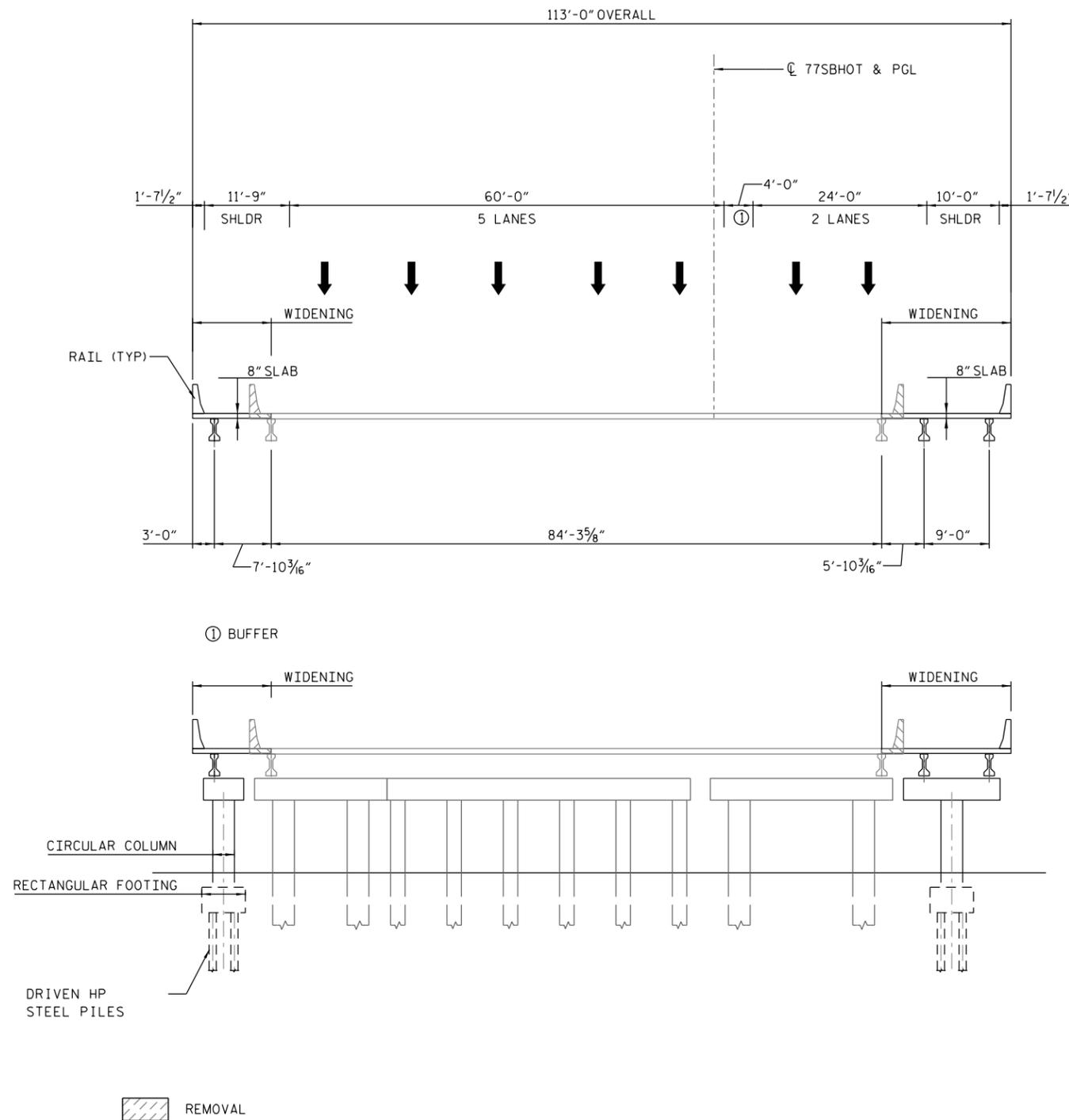
BRIDGE 114
 590308
 NB I-77 OVER SB I-77.
 TYPICAL SECTION

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	38
1			3			TOTAL SHEETS
2			4			48

DRAWN BY : _____ DATE : _____
 CHECKED BY : _____ DATE : _____

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ALL BRIDGE LIMITS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.

PROJECT NO. I-77 HOT LANES
MECKLENBURG/IREDELL COUNTY
STATION: _____ 680+02

SHEET 1 OF 1

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

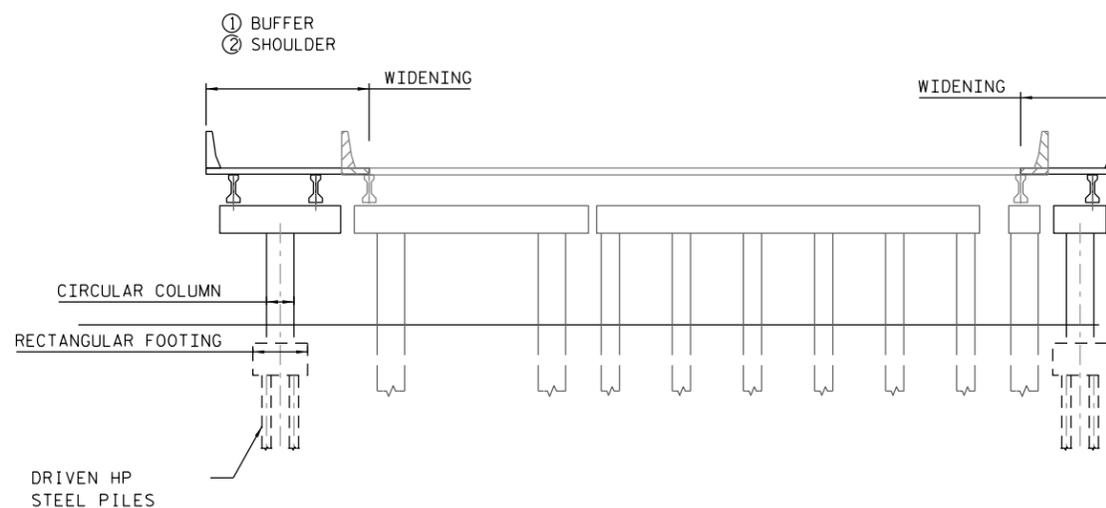
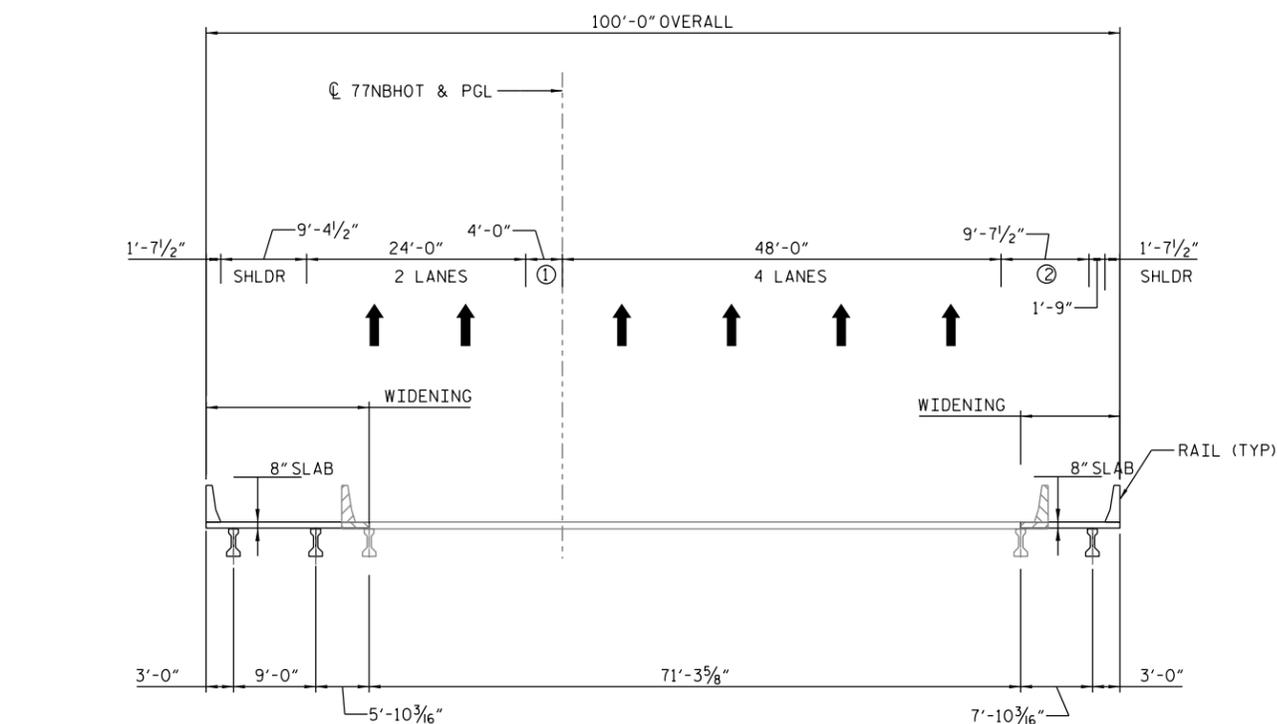
BRIDGE 115
590352
I-77 OVER COLONIAL PIPELINE (177 SB).
TYPICAL SECTION

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	40
1			3			TOTAL SHEETS
2			4			48

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CHECKED BY : _____ DATE : _____

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REMOVAL

ALL BRIDGE LIMITS ARE PRELIMINARY
AND SUBJECT TO CHANGE DURING DETAIL
DESIGN.

PROJECT NO. I-77 HOT LANES
MECKLENBURG/IREDELL COUNTY
STATION: _____ 681+18

SHEET 1 OF 1

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE 116
590351
I-77 OVER COLONIAL PIPELINE (177 NB),
TYPICAL SECTION

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	42
1			3			TOTAL SHEETS
2			4			48

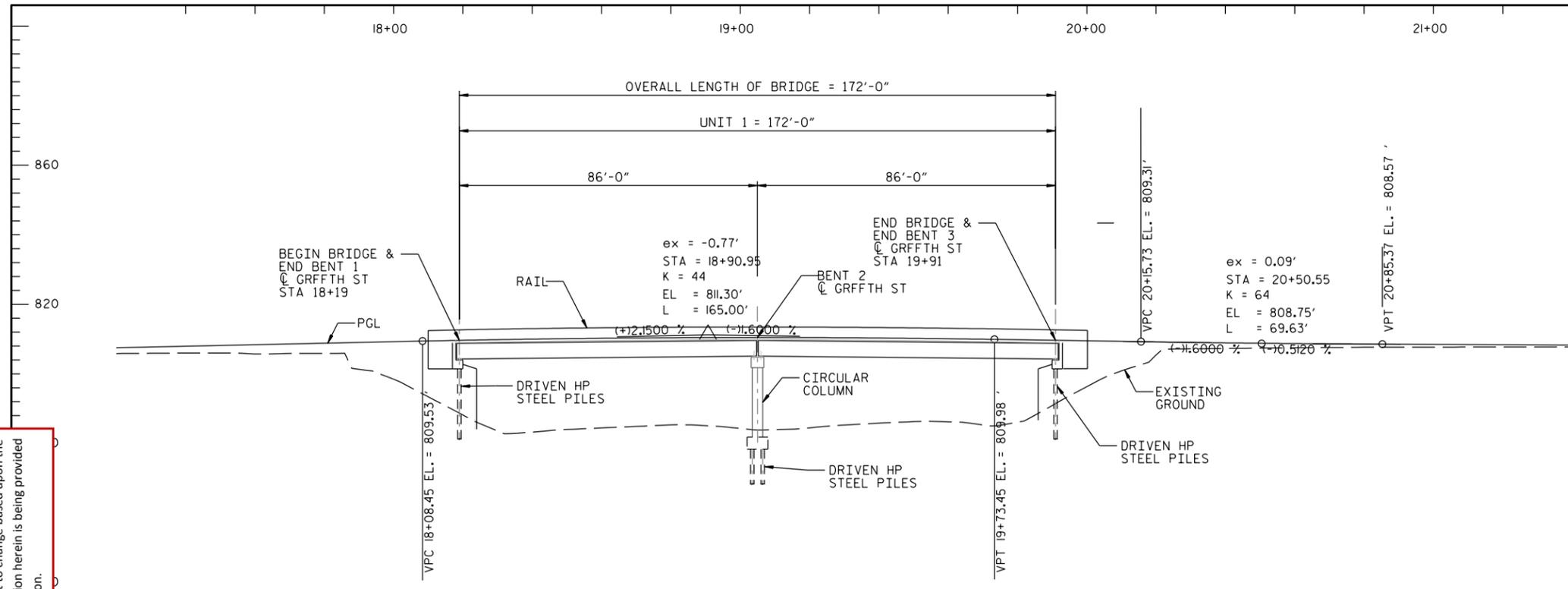
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DRAWN BY : _____ DATE : _____
CHECKED BY : _____ DATE : _____



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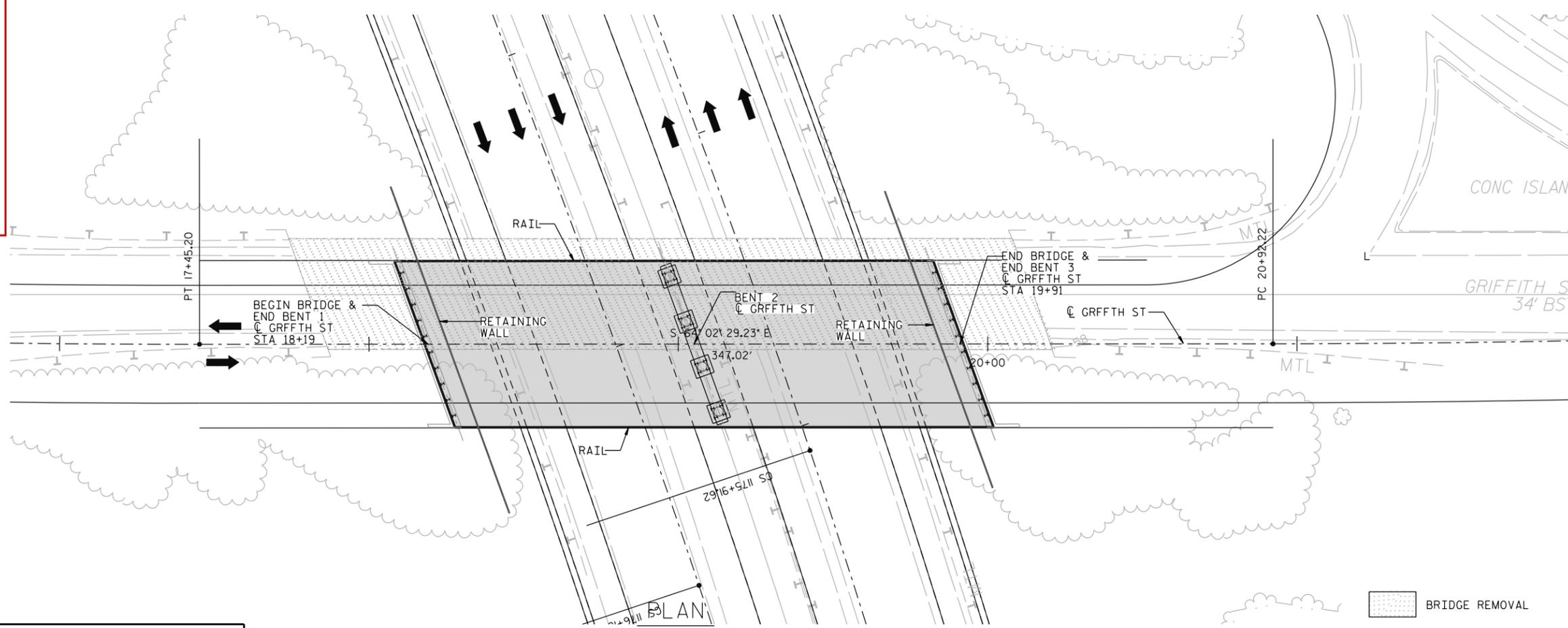
ELEVATION

NOTES:

1. ALL RETAINING WALL ARE MSE TYPE, UNLESS OTHERWISE NOTED ON PLANS.
2. MINIMUM VERTICAL CLEARANCES ARE MET FOR EXISTING STRUCTURES UNLESS OTHERWISE NOTED ON THE PLANS.
3. GRIFFITH STREET OVER I77: MIN. VERTICAL CLEARANCE 17' PER BOOK 2.

BUILD APPROACH SLAB AND/OR APPROACH FILL, IF REQUIRED BASED ON BOOK 2 SECTION 14.2.5.

ALL BRIDGE LIMITS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.



PLAN

PROJECT NO. I-77 HOT LANES
MECKLENBURG/IREDELL COUNTY
STATION: _____ 18+19

SHEET 1 OF 1

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

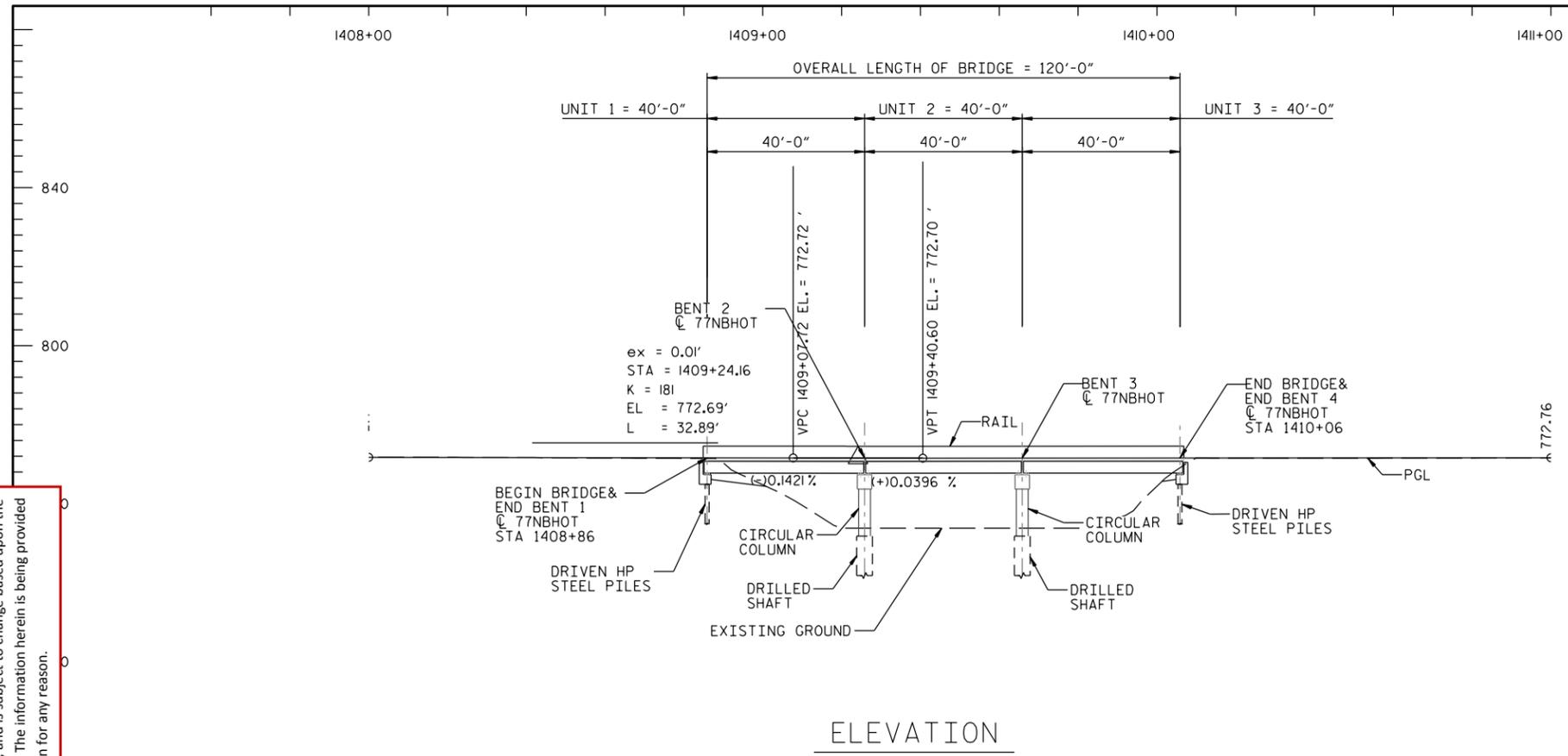
BRIDGE 117
590364
GRIFFITH ST OVER I-77.
PLAN & PROFILE

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			43
2			4			48

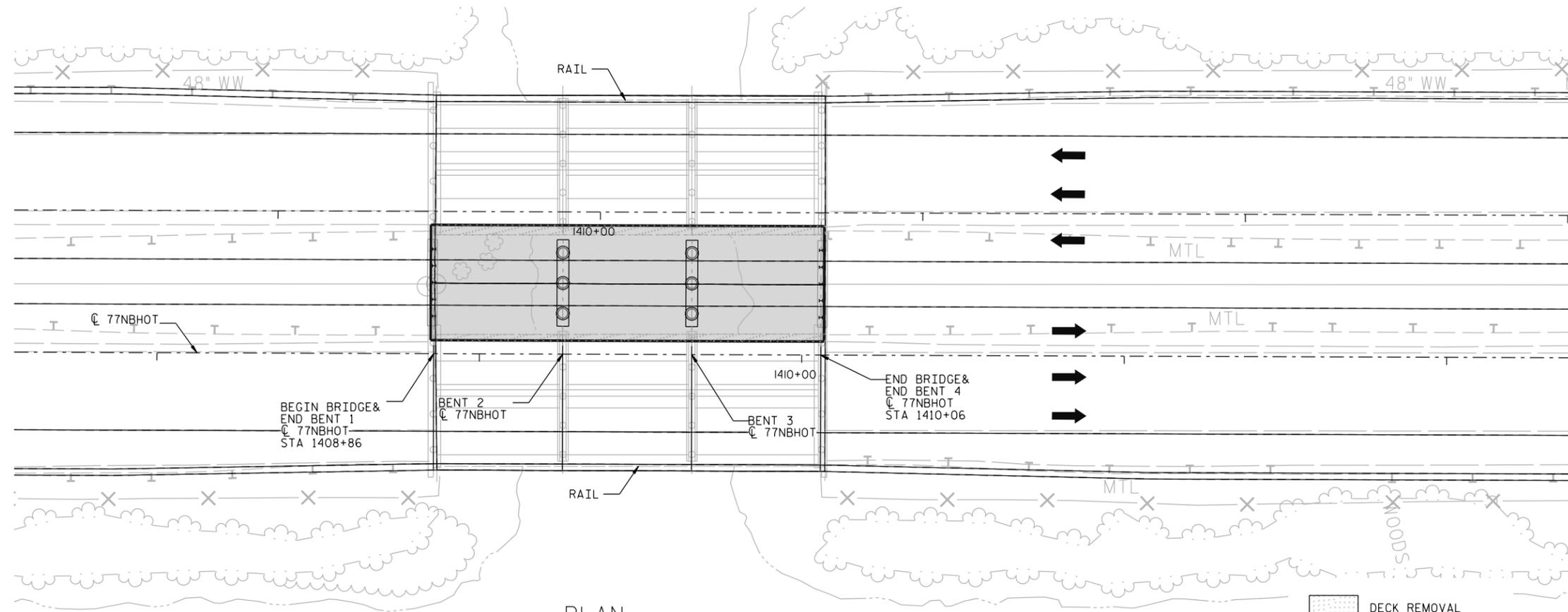
DRAWN BY : _____ DATE : _____
CHECKED BY : _____ DATE : _____



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ELEVATION



PLAN

BUILD APPROACH SLAB AND/OR APPROACH FILL, IF REQUIRED BASED ON BOOK 2 SECTION 14.2.5.

ALL BRIDGE LIMITS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.

PROJECT NO. I-77 HOT LANES
MECKLENBURG/IREDELL COUNTY
STATION: 1408+86

SHEET 1 OF 1

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE 118
480052-3
I-77 OVER LAKE NORMAN (177 NB).
PLAN & PROFILE

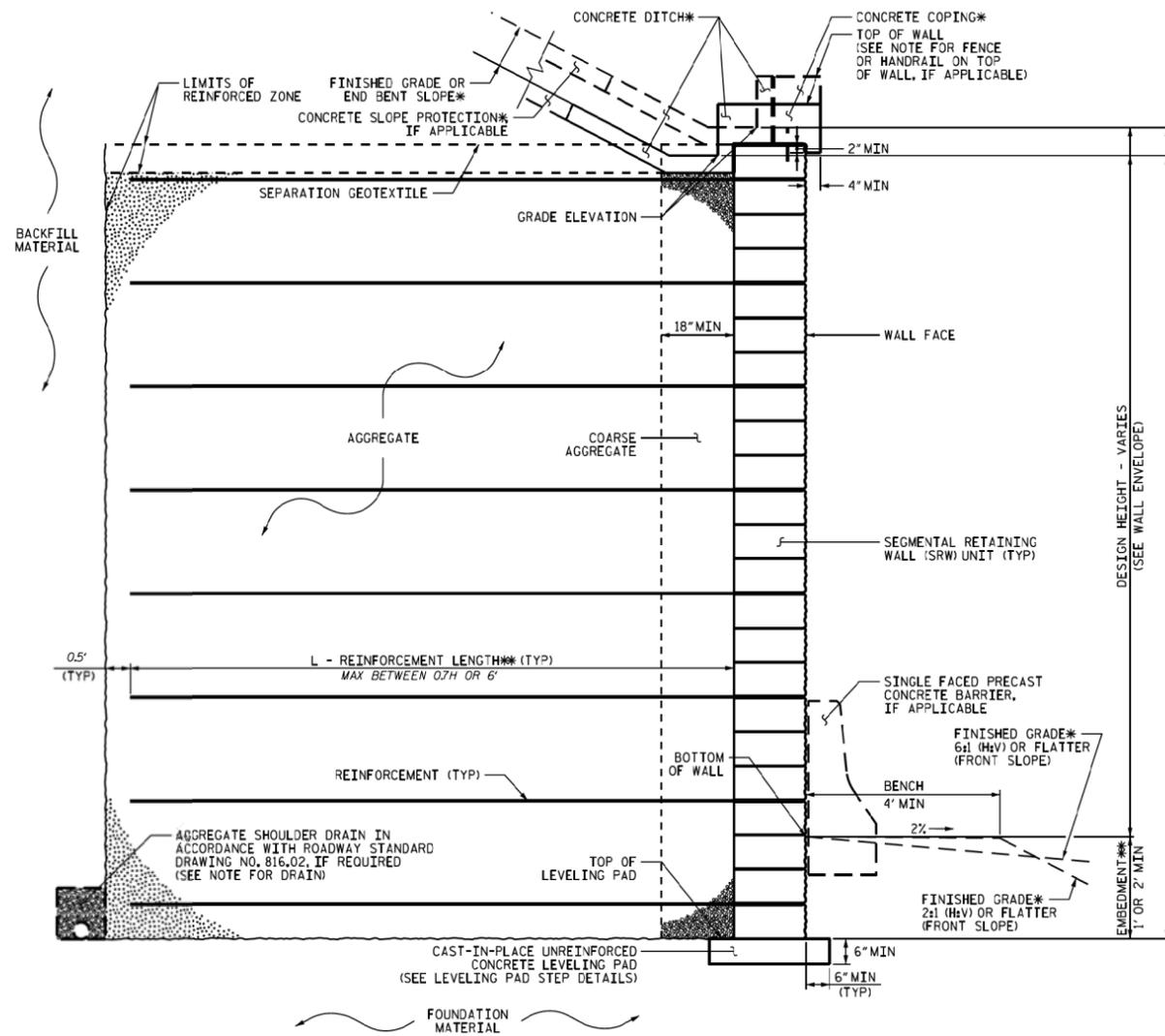
REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	45
1			3			TOTAL SHEETS
2			4			48

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CHECKED BY : _____ DATE : _____

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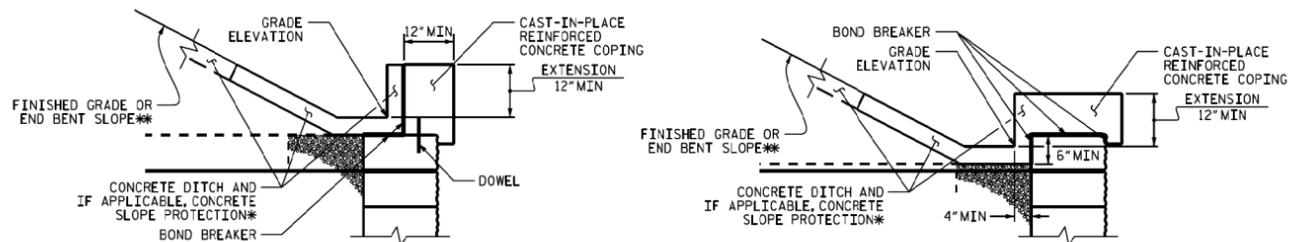
PRELIMINARY PLANS
SUBJECT TO CHANGE DURING DETAIL DESIGN
DO NOT USE FOR CONSTRUCTION

RETAINING WALL DETAILS



MSE WALL WITH SRW UNITS - TYPICAL SECTION

*SEE COPING DETAILS AND PLANS FOR FINISHED GRADE OR END BENT SLOPE DETAILS.
*SEE MSE RETAINING WALLS PROVISION FOR EMBEDMENT AND REINFORCEMENT LENGTH REQUIREMENTS.



COPING DETAILS

AT THE CONTRACTOR'S OPTION, CONNECT COPING TO SRW UNITS WITH DOWELS OR EXTEND COPING DOWN BACK OF SRW UNITS.
*SEE CONCRETE DITCH BEHIND WALL DETAILS.
*SEE PLANS FOR FINISHED GRADE OR END BENT SLOPE DETAILS.

NOTE:
- ALL RETAINING WALLS AND LIMITS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.

MSE RETAINING WALLS

RET. WALL NAME	BEGIN STA.	END STA.
EB 113	112+29.69	114+58.49
EB116	115+98.36	118+97.07
EB121	120+91.53	123+80.59
EB125	125+40.65	128+27.65
EB129	129+19.33	134+87.95
EB136	136+09.59	136+70.79
EB139	138+53.48	141+65.74
EB152	151+77.47	161+15.80
EB155	155+21.08	162+23.05
EB179	178+79.64	189+17.09
WB117	116+87.67	118+95.65
WB121	120+79.34	123+55.55
WB125	125+06.74	128+07.04
WB135	134+45.14	136+60.45
WB139	138+59.13	139+62.65
WB155	155+21.16	162+25.03
WB153	153+27.58	155+21.13
WB157	157+00.00	164+32.44
WB179	178+79.56	189+41.26
WB179	178+79.56	189+41.26
ABUTMENT141	141+30.29	141+30.29
ABUTMENT152	152+28.46	152+28.46
ABUTMENT162	162+25.06	162+25.06
ABUTMENT178	178+79.60	178+79.60
SB212	211+99.34	218+71.41
SB223	222+99.31	232+71.28
SB241	240+71.40	253+03.73
SB258	258+19.79	260+20.37
SB435	434+60.02	437+14.00
SB585	585+00.06	587+33.54
SB644	643+88.23	645+63.23
SB693	692+50.04	693+73.42
SB1026	1025+79.19	1026+93.32
SB1098	1097+45.00	1099+61.88
SB1177	1176+97.41	1178+10.89
SB1341	1342+92.44	1348+90.72
SB1473	1472+74.55	1480+11.27
NB204	203+99.36	213+75.35
NB230	222+99.31	252+21.99
NB258	258+01.93	259+50.47
NB274	273+68.44	282+64.41
NB290	290+05.99	302+94.98
NB315	314+74.54	315+97.18
NB317	316+86.15	319+85.28
NB321	320+90.00	332+85.00
NB435	435+00.00	437+50.00
NB585	584+45.71	586+76.98
NB643	643+29.91	646+83.98
NB692	691+79.64	692+92.65
NB1026	1025+19.27	1026+32.00
NB1097	1096+58.51	1098+76.49
NB1130	1129+11.10	1132+11.12
NB1176	1175+31.29	1176+31.48
NB1483	1481+76.49	1487+76.49
MD360	360+71.86	387+00.00
MD403	403+00.00	423+10.00
MD435	435+00.00	525+00.00
MD637	636+59.03	651+83.70
MD667	667+17.82	680+67.82
MD682	682+17.82	688+09.99
MD1102	1101+67.34	1112+04.08
ABUTMENT282	282+69.56	282+69.55
ABUTMENT290	290+01.35	290+01.35
ABUTMENT315	315+44.99	315+44.99
ABUTMENT316	316+28.48	316+28.48

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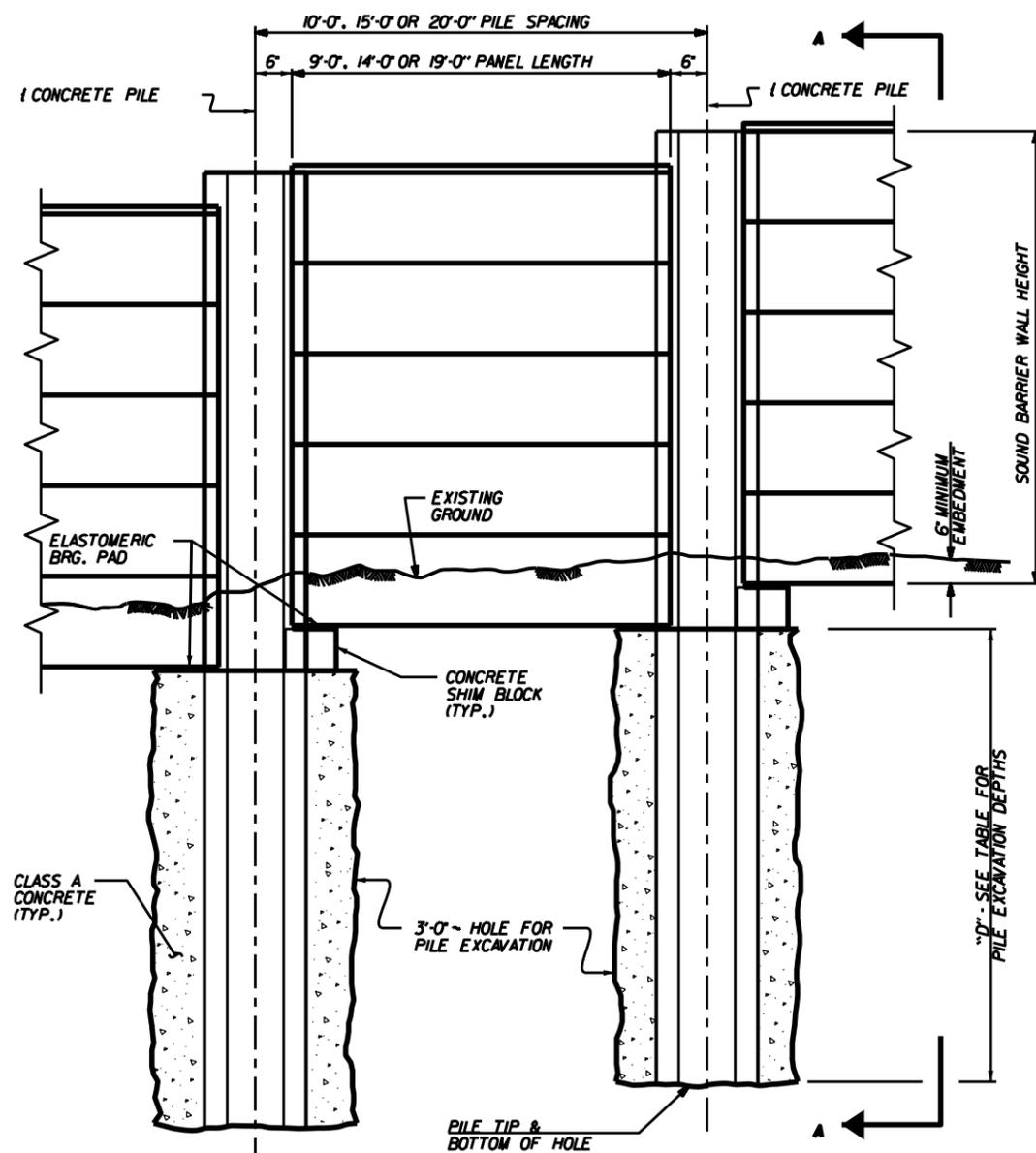
REVISIONS

The information included herein was developed as part of a conceptual proposal, does not necessarily reflect the ultimate design or construction of the I-77 Project, and is subject to change based upon the impending higher design effort and NCDOT's review thereof. The information herein is being provided for informational purposes only and should not be relied upon for any reason.

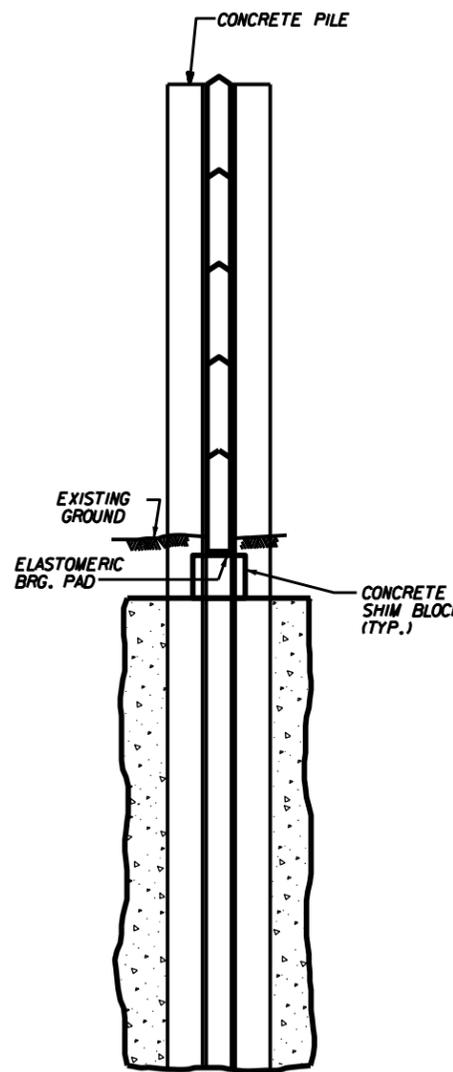
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SOUND BARRIER WALLS DETAILS

PRELIMINARY PLANS
SUBJECT TO CHANGE DURING DETAIL DESIGN
DO NOT USE FOR CONSTRUCTION



ELEVATION



SECTION A-A

	Noise Barrier Wall Name	Approx. Begin Station	Approx. End Station
I-277	-277NW2C-	117+50	125+25
	-277NW2B-	125+00	135+00
I-77	-77NW2A- (REV)	145+00	162+50
	-77NW2B-	170+00	189+00
	-77NW1A-	201+00	215+00
	-77NW2C- (REV)	210+50	238+00
	-77NW1B-	220+00	251+00
	-77NW3-	242+50	255+00
	-77NW4-	268+00	295+00
	-77NW5-	261+50	290+00
	-NW6-	356+50	394+00
	-NW7-	352+50	369+00
	-NW8-	413+00	435+00
	-NW9-	490+00	532+50
	-NW12-	829+00	864+00
	-NW14-	954+00	696+00
	-NW15-	1009+50	1025+50
	-NW16-	1125+00	1149+00
	-NW17-	1110+25	1133+25
	-NW24-	1299+00	1316+25
	-NW25-	1381+25	1403+50
	-NW27-	1414+00	1454+00

NOTE:
- ALL SOUND BARRIER WALLS AND LIMITS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.

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DATE\$
FILEL\$
TIME\$

REVISIONS