

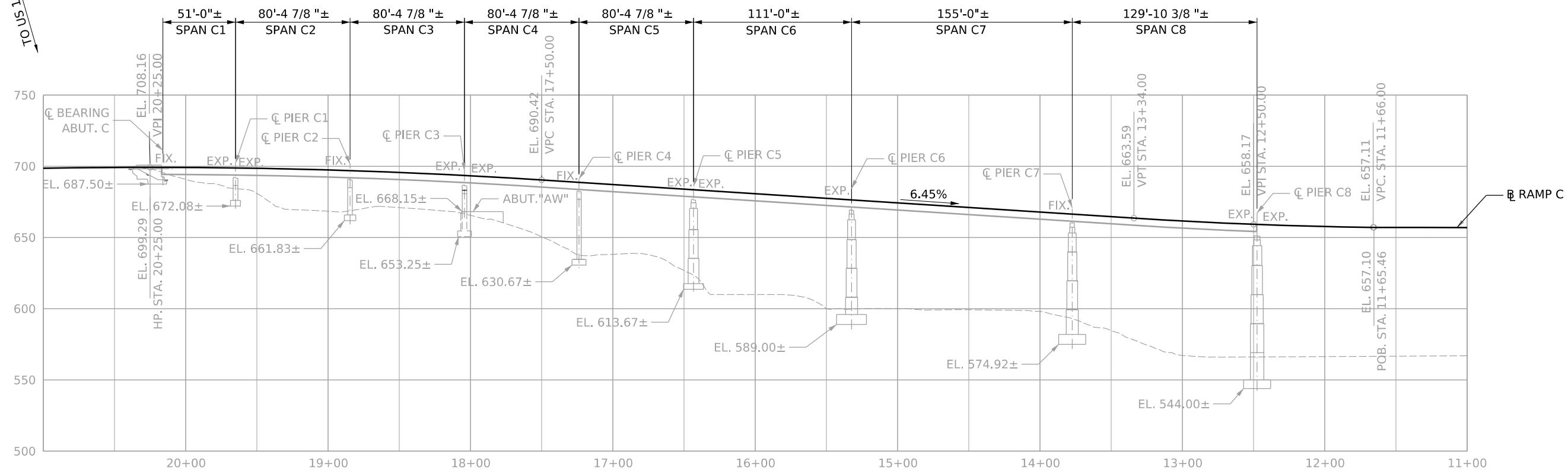
Public Roads Dlv.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	1	S320-064/ 00-0.00 00 23	NHPP-0064 (449) D	2024	KANAWHA		

CURVE C1

		Northing	Eastng
T.S.	13+97.00	494017.165	1781920.551
S.C.	15+97.00	494033.259	1781722.396
P.I.	22+34.11	493929.594	1781093.778
CC			
C.S.	22+33.36	493546.160	1781602.585
S.T.	24+33.36	493468.494	1781785.598
Radius:	272.84		
Δ:	133°38'03" LEFT		
Degree of Curvature(Arc):	20°54'59"		
Length:	636.36'		
Tangent:	637.11'		
Chord:	165.43'		
Middle Ordinate:	165.43'		
External:	420.23'		
Tangent Direction:	S80°38'08" W		
Radial Direction:	N09°21'52" W		
Chord Direction:	S13°49'07" W		
Radial Direction:	S37°00'05" W		
Tangent Direction:	S52°59'55" E		
Spiral Length:	272.84'		

NOTES

1. ELEVATIONS SHOWN ARE BASED ON THE ORIGINAL DATUM FROM THE 1972 EXISTING PLANS.
 2. ELEVATIONS AND DIMENSIONS SHOWN ARE OBTAINED FROM THE EXISTING PLANS. CONTRACTOR SHALL VERIFY DIMENSIONS IN FIELD.



Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
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BRIDGE SHEET INDEX	
SHEET #	TITLE
B1	GENERAL PLAN AND ELEVATION
B2	GENERAL NOTES (1 OF 2)
B3	GENERAL NOTES (2 OF 2)
B4	ESTIMATED QUANTITIES
B5	ABUTMENT C REPAIR
B6	ABUTMENT C WINGWALLS
B7	PIER C1 REPAIR
B8	PIER C2 REPAIR
B9	PIER C3 REPAIR
B10	PIER C4 REPAIR
B11	PIER C5 REPAIR
B12	PIER C6 REPAIR
B13	PIER C7 REPAIR
B14	PIER C8 REPAIR
B15	PATCHING CONCRETE STRUCTURES (1 OF 2)
B16	PATCHING CONCRETE STRUCTURES (2 OF 2)
B17	FRAMING PLAN SPAN C1
B18	FRAMING PLAN SPANS C2-C3 & C4-C5
B19	FRAMING PLAN SPANS C6-C7
B20	FRAMING PLAN SPAN C8
B21	LIMITS OF REMOVAL
B22	TYPICAL SECTION SPAN C1
B23	DECK PLAN SPAN C1
B24	TYPICAL SECTION SPANS C2-C3
B25	DECK PLAN SPANS C2-C3
B26	TYPICAL SECTION SPANS C4-C5
B27	DECK PLAN SPANS C4-C5
B28	TYPICAL SECTION SPANS C6-C7-C8
B29	DECK PLAN SPANS C6-C7-C8
B30	SLAB END ZONE DETAILS
B31	DECK DETAILS
B32	TOP OF SLAB ELEVATIONS SPANS C1, C2-C3 & C4-C5
B33	TOP OF SLAB ELEVATIONS SPANS C6-C7-C8
B34	EXPANSION JOINT DETAILS PIERS C1, C3, & C8
B35	MODULAR EXPANSION JOINT DETAILS PIER C5
B36	BARRIER REINFORCEMENT DETAILS SPAN C1
B37	BARRIER REINFORCEMENT DETAILS SPANS C2-C3
B38	BARRIER REINFORCEMENT DETAILS SPANS C4-C5
B39	BARRIER REINFORCEMENT DETAILS SPANS C6-C7-C8
B40	DRAINAGE DETAILS (1 OF 2)
B41	DRAINAGE DETAILS (2 OF 2)
B42	PIER C3 DRAINAGE DETAILS

ABBREVIATIONS:

AASHTO	= AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
ABUT	= ABUTMENT
APPROX	= APPROXIMATE
BEJS	= BRIDGE EXPANSION JOINT SYSTEM
BF	= BACK FACE
BOTT	= BOTTOM
BRG	= BEARING
CLR	= CLEAR
CY	= CUBIC YARD
DIA	= DIAMETER
EA	= EACH
EF	= EACH FACE
ELEV	= ELEVATION
EQ	= EQUAL
EXP	= EXPANSION
FF	= FRONT FACE
LB	= POUND
LRFD	= LOAD AND RESISTANCE FACTOR DESIGN
LS	= LUMP SUM
MAT	= MATERIAL
MAX	= MAXIMUM
MIN	= MINIMUM
PG	= PROFILE GRADE
PSI	= POUND PER SQUARE INCH
REQ'D	= REQUIRED
SF	= SQUARE FOOT
SHLD	= SHOULDER
SPA	= SPACES
SQ	= SQUARE
STA	= STATION
T&B	= TOP & BOTTOM
TYP	= TYPICAL
VC	= VERTICAL CURVE
LF	= LINEAR FOOT

SAFETY INSPECTION OF IN-SERVICE BRIDGES DURING CONSTRUCTION:

THE FOLLOWING ARE THE UPCOMING FEDERAL MANDATE INSPECTION DATES FOR THE EXISTING EASTBOUND AND WESTBOUND BRIDGES. THE CONTRACTOR IS REQUIRED TO PERFORM EACH SCHEDULED INSPECTION UNTIL CONSTRUCTION IS COMPLETED. THE INSPECTION REPORTS FOR THE INSPECTIONS LISTED SHALL BE COMPILED IN ASSETWISE UNDER BARS NUMBER 20A393, BRIDGE 20A393 REQUIRED INSPECTIONS ARE LISTED BELOW:

AUGUST 2027 ROUTINE

SPECIAL PROVISIONS:

- SP601 - STRUCTURAL CONCRETE, DATED 02/01/2023
- SP601 - STRUCTURAL CONCRETE, EPOXY INJECTION CRACK REPAIR, DATED 03/19/2019
- SP601 - STRUCTURAL CONCRETE, EPOXY BONDING COMPOUND, DATED 03/19/2019
- SP627 - STRIP SEAL EXPANSION JOINT ASSEMBLY, DATED 03/22/2016
- SP627 - MODULAR EXPANSION JOINT SYSTEM, DATED 10/07/2020

REV. NO.	SHEET NO.	REVISION	DATE	BY



DESIGNED DRAWN DATE
CHECKED CHECKED
12/2025

GENERAL NOTES (2 OF 2)

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
FORT HILL BRIDGE RAMP C

SHEET B3 OF B42
BRIDGE NO. 2563.6

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	1	S320-064/ 00-0.00 00 23	NHPP-0064 (449) D	2024	KANAWHA		

ITEM NO.	ALT	DESCRIPTION	UNIT	ESTIMATED QUANTITIES												TOTAL
				ABUTMENT C	WW CA	WW CB	PIER C1	PIER C2	PIER C3	PIER C4	PIER C5	PIER C6	PIER C7	PIER C8	SUPERSTRUCTURE	
203001-000		DISMANTLING STRUCTURE	LS	-	-	-	-	-	-	-	-	-	-	-	1	1
601003-001		CLASS K CONCRETE	CY	-	-	-	-	-	-	-	-	-	-	-	180	180
601019-001		CONCRETE PROTECTIVE COATING	SF	280	120	100	-	-	-	-	-	-	-	-	17,850	18,350
601025-007		MODIFIED CONCRETE, CLASS H	CY	-	-	-	-	-	-	-	-	-	-	-	525	525
601030-000		PATCHING CONCRETE STRUCTURES	SF	0	-	-	6	-	6	-	6	-	5	-	-	23
601031-001		EPOXY INJECTION CRACK REPAIR	LF	10	-	-	20	-	120	10	30	51	-	-	-	241
602002-003		GALVANIZED REINFORCING STEEL	LB	-	-	-	-	-	-	-	-	-	-	-	167,000	167,000
615011-001		REMOVE AND REPLACE RIVET OR BOLT	EA	-	-	-	-	-	-	-	-	-	-	-	30	30
615075-001		MISCELLANEOUS BRIDGE WORK, REPLACE DOWNSPOUTING	LS	-	-	-	-	-	-	-	-	-	-	-	1	1
615075-002		MISCELLANEOUS BRIDGE WORK, SHEAR STUDS	EA	-	-	-	-	-	-	-	-	-	-	-	11,177	11,177
615075-002		MISCELLANEOUS BRIDGE WORK, REPLACE SCUPPERS	EA	-	-	-	-	-	-	-	-	-	-	-	7	7
627020-001		INSTALL MODULAR EXPANSION JOINT SYSTEM	LF	-	-	-	-	-	-	-	-	-	-	-	26	26
627023-001		EXPANSION DAM, STRIP SEAL EXPANSION JOINT SYSTEM	LF	-	-	-	-	-	-	-	-	-	-	-	78	78
639001-001		CONSTRUCTION LAYOUT STAKE	LS	-	-	-	-	-	-	-	-	-	-	-	1	1
685001-001		BRIDGE CLEANING, CONCRETE PROTECTIVE COATING	LS	-	-	-	-	-	-	-	-	-	-	-	1	1
688003-001		CONTAINMENT AND DISPOSAL OF SPENT MATERIAL, CONCRETE PROTECTIVE COATING	LS	-	-	-	-	-	-	-	-	-	-	-	1	1

NOTE: CLASS H CONCRETE FOR DECK ONLY. ADDITIONAL QUANTITY FOR DIAPHRAGM SHALL BE ADDED WHEN CONVERTING ABUTMENT (BY OTHERS). COORDINATION WITH EUGENE CARTER MEMORIAL BRIDGE PROJECT IS REQUIRED.

* THE QUANTITIES SHOWN IN THIS TABLE ARE 1.5 TIMES THE QUANTITIES OBTAINED FROM THE INSPECTION REPORT DATED OCTOBER 2022. THE INCREASE ACCOUNTS FOR UNDETECTED DETERIORATION, CONTINUED DETERIORATION FROM OCTOBER 2022 TO PRESENT, AND POTENTIAL FUTURE DETERIORATION.

* * THE QUANTITIES SHOWN IN THIS TABLE ARE 2 TIMES THE QUANTITIES OBTAINED FROM THE INSPECTION REPORT DATED OCTOBER 2022. THE INCREASE ACCOUNTS FOR UNDETECTED CRACKS, CONTINUED CRACKING FROM OCTOBER 2022 TO PRESENT, AND POTENTIAL FUTURE CRACKS.

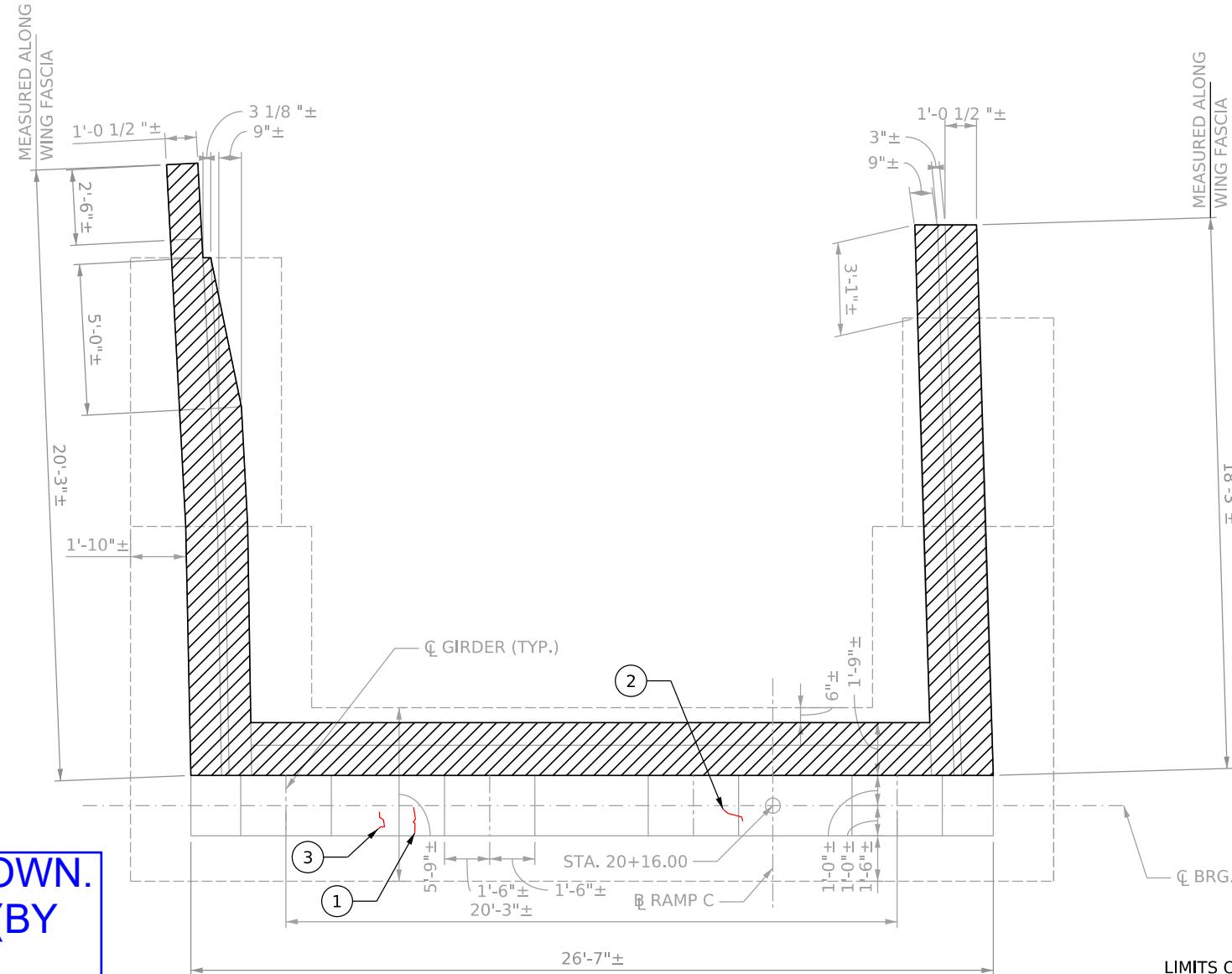
REV. NO.	SHEET NO.	REVISION	DATE	BY	TERRADON TERRADON CORPORATION NITRO, WEST VIRGINIA PHONE: 304-755-8291 FAX: 304-755-2636	DESIGNED	DRAWN	DATE	12/2025	ESTIMATED QUANTITIES	THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS FORT HILL BRIDGE RAMP C	SHEET B4 OF B42
						CHECKED	CHECKED					BRIDGE NO. 2563.6

LEGEND

	LIMITS OF REMOVAL / ABUTMENT CONVERSION
	CRACK REPAIR
	BRIDGE DEFECT DESIGNATION



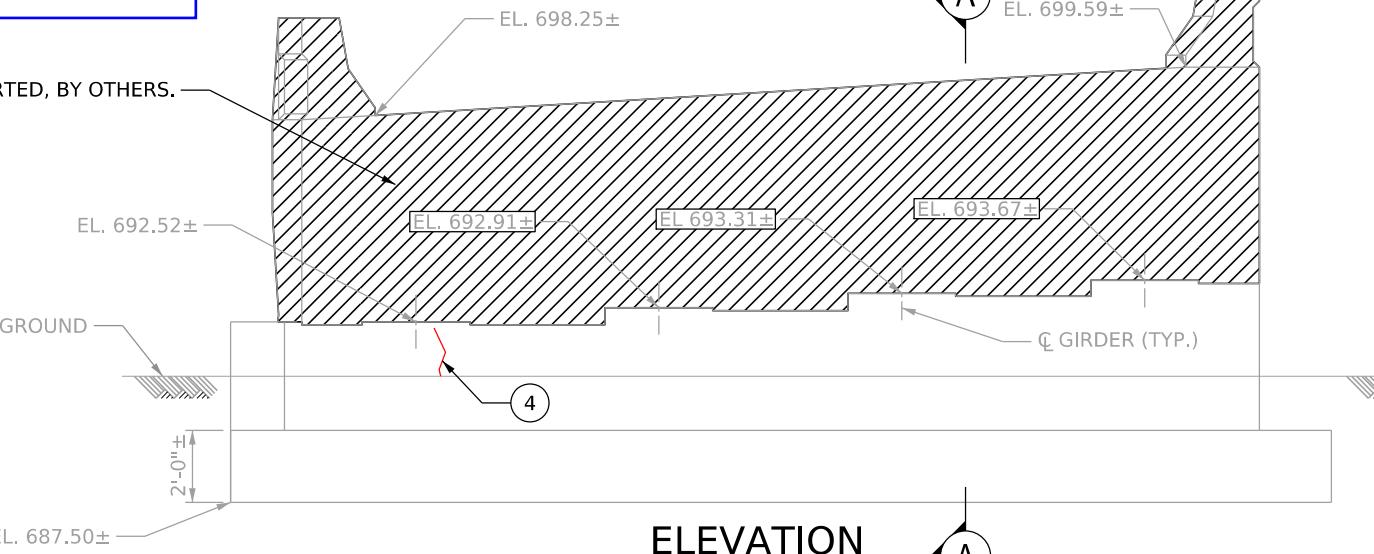
NOTE: EXISTING ABUTMENT IS SHOWN.
ABUTMENT WILL BE CONVERTED (BY
OTHERS). COORDINATION WITH
EUGENE CARTER MEMORIAL BRIDGE
PROJECT IS REQUIRED.



PLAN
SCALE: 3/8"=1-0"

ABUTMENT SHALL BE CONVERTED, BY OTHERS.

APPROX. EXISTING GROUND



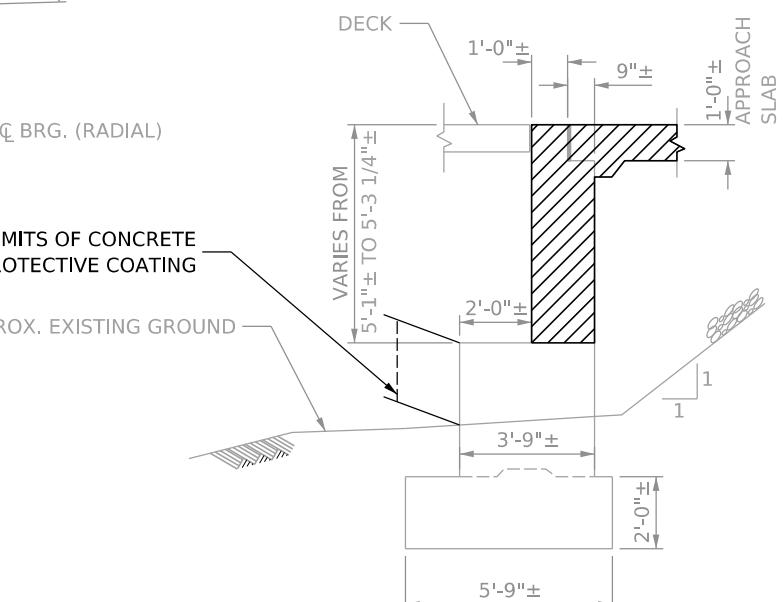
ELEVATION
SCALE: 3/8"=1-0"

ABUTMENT C REPAIR

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	1	S320-064/00-0.00 00 23	NHPP-0064 (449) D	2024	KANAWHA		

* ABUTMENT C DEFECTS			
ITEM #	NOTES	UNITS	QUANTITY
1	CRACKS	LF	1
2	CRACKS	LF	1
3	CRACKS	LF	1
4	CRACKS	LF	2
	TOTAL	LF	5

* THE QUANTITIES SHOWN IN THE TABLES ARE OBTAINED
FROM THE INSPECTION REPORT DATED OCTOBER 2022.



SECTION A-A
SCALE: 3/8"=1-0"

NOTE

1. FOR CRACK REPAIR, SEE EPOXY INJECTION REPAIR NOTE SHEET B2.

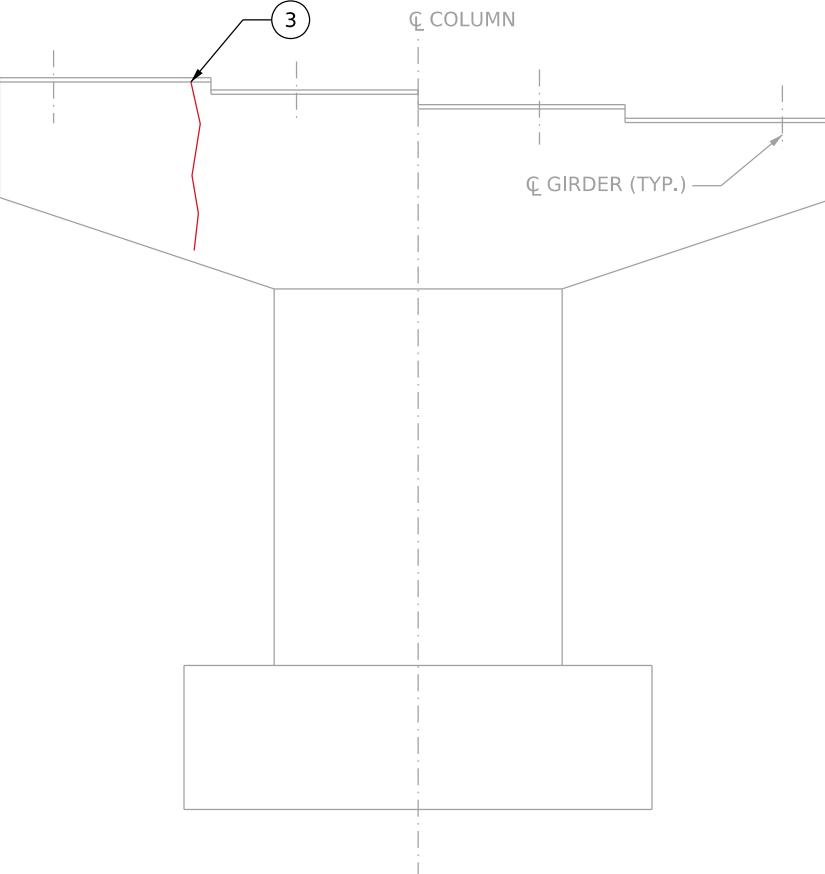
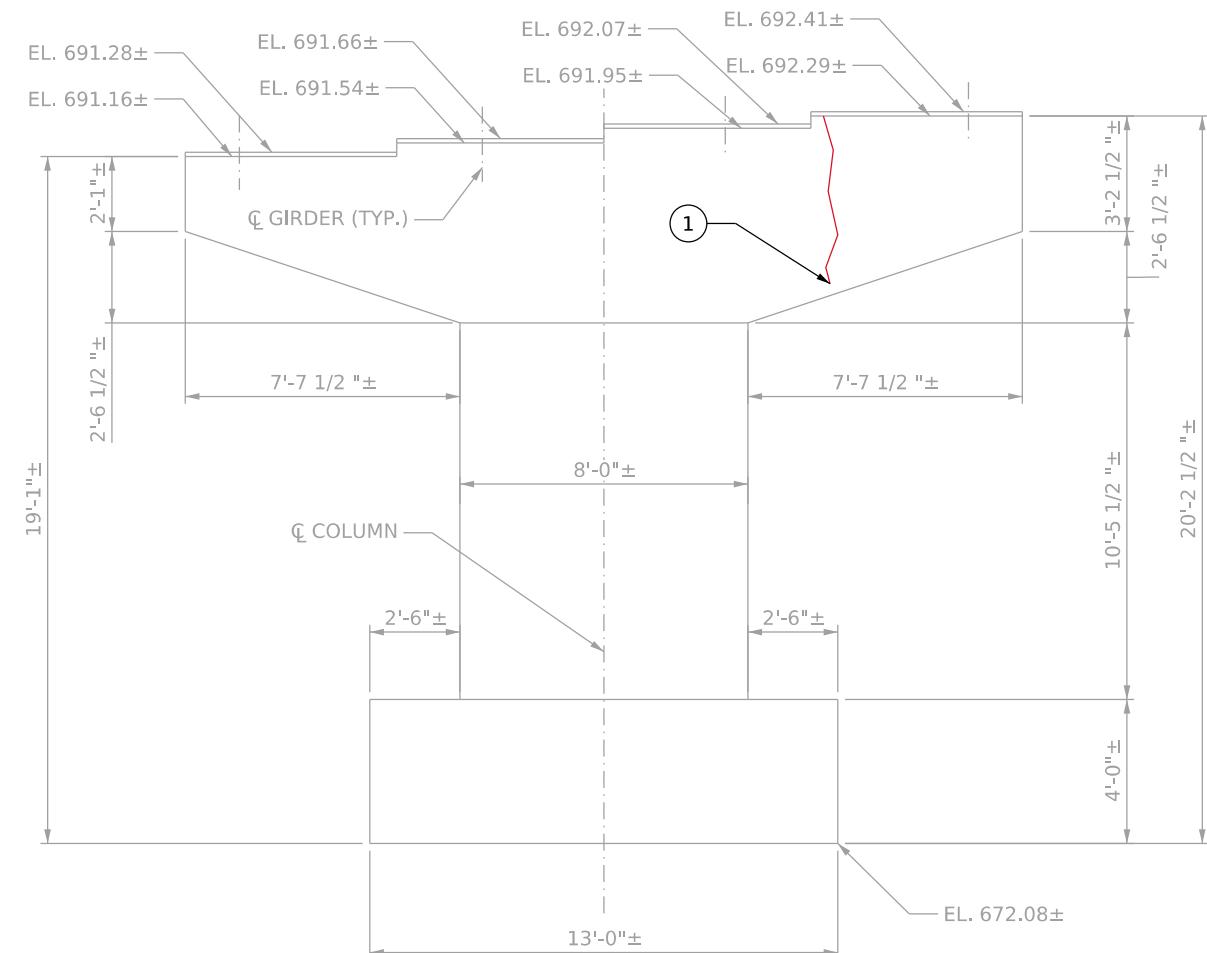
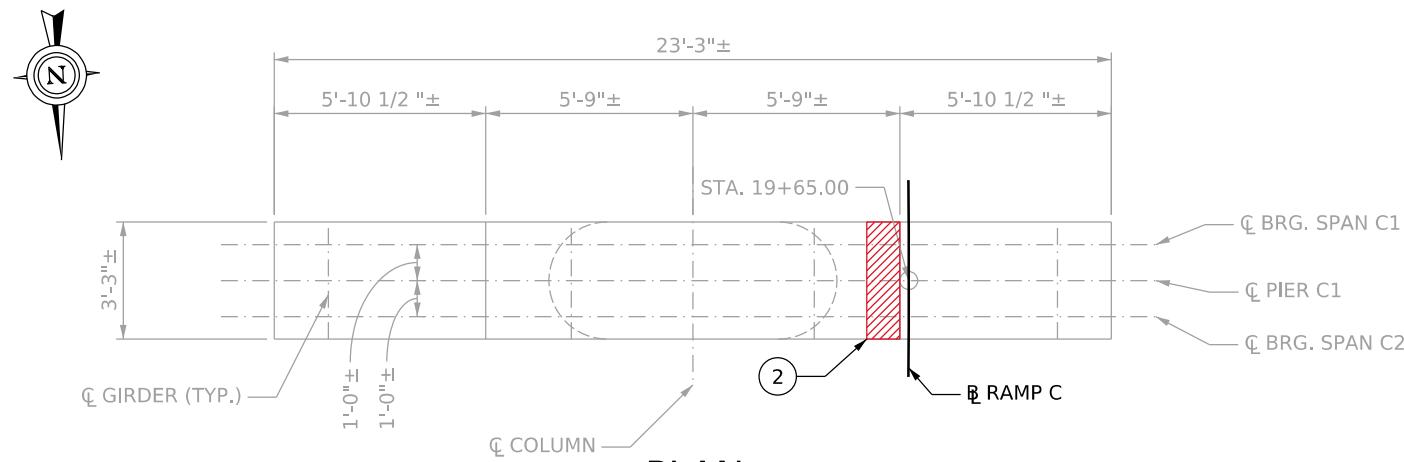
REV. NO.	SHEET NO.	REVISION	DATE	BY

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	1	S320-064/ 00-0-00 00 23	NHPP-0064 (449) D	2024	KANAWHA		

* PIER C1 DEFECTS			
ITEM #601031-001, EPOXY INJECTION CRACK REPAIR			
ID	NOTES	UNITS	QUANTITY
1	CRACK	LF	5
3	CRACK	LF	5
	TOTAL	LF	10

* PIER C1 DEFECTS			
ITEM # 601030-000, PATCHING CONCRETE STRUCTURES			
ID	NOTES	UNITS	QUANTITY
2	SPALL	SF	4
	TOTAL	SF	4

* THE QUANTITIES SHOWN IN THE TABLES ARE OBTAINED FROM THE INSPECTION REPORT DATED OCTOBER 2022.



LEGEND



SPALL REPAIR



CRACK REPAIR



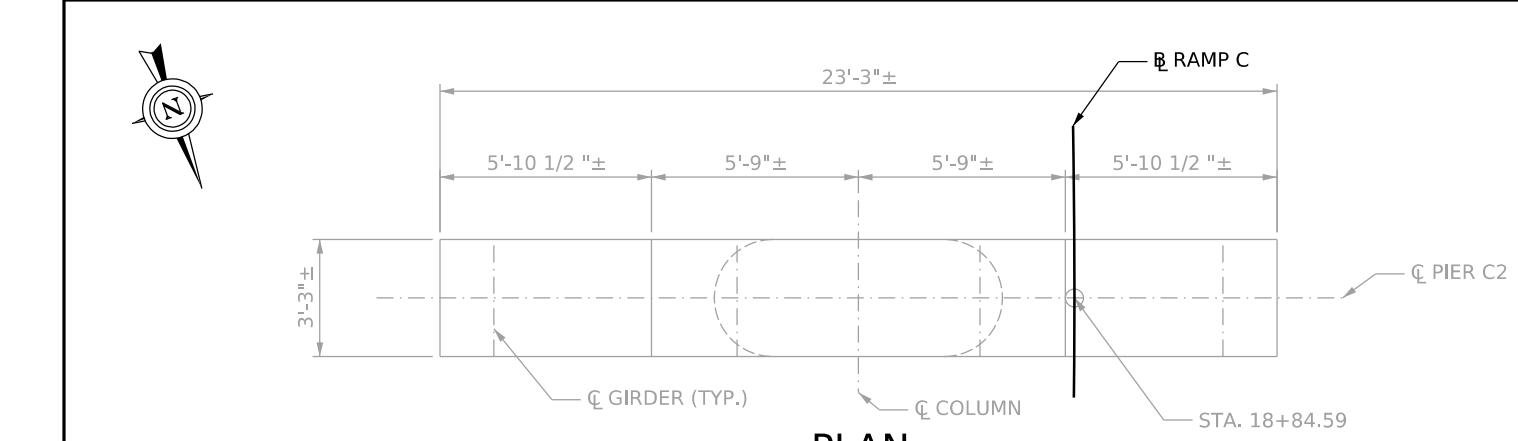
1
BRIDGE DEFECT
DESIGNATION

NOTES

1. FOR PATCHING REPAIR, SEE CONCRETE REPAIR SHEETS B15 & B16.
2. FOR CRACK REPAIR, SEE EPOXY INJECTION REPAIR NOTE SHEET B2.

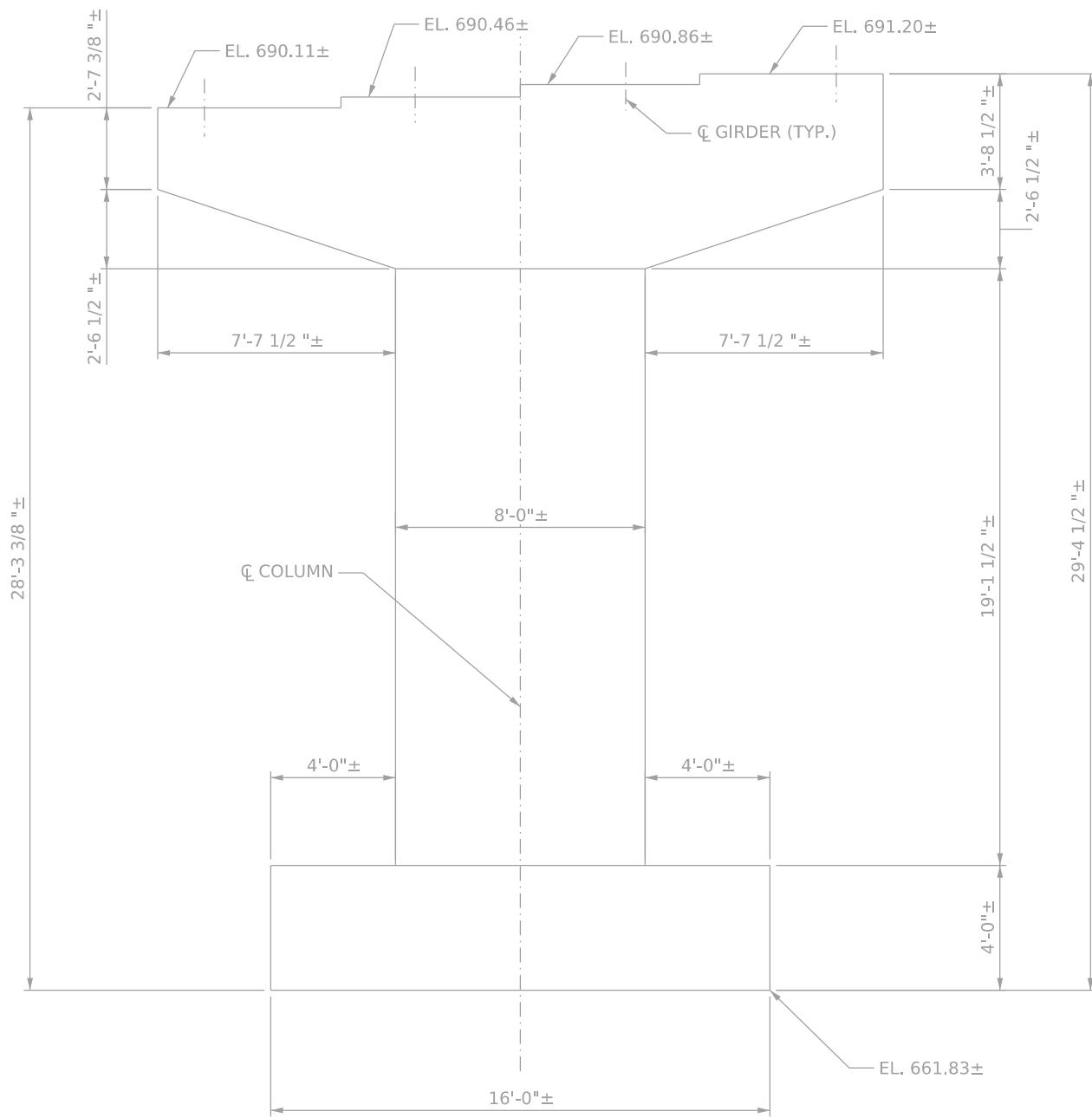
REV. NO.	SHEET NO.	REVISION	DATE	BY

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	1	S320-064/ 00-0.00 00 23	NHPP-0064 (449) D	2024	KANAWHA		



PLAN

SCALE: 3/8"=1'-0"



EAST FACE ELEVATION

SCALE: 3/8"=1'-0"

WEST FACE ELEVATION

SCALE: 3/8"=1'-0"

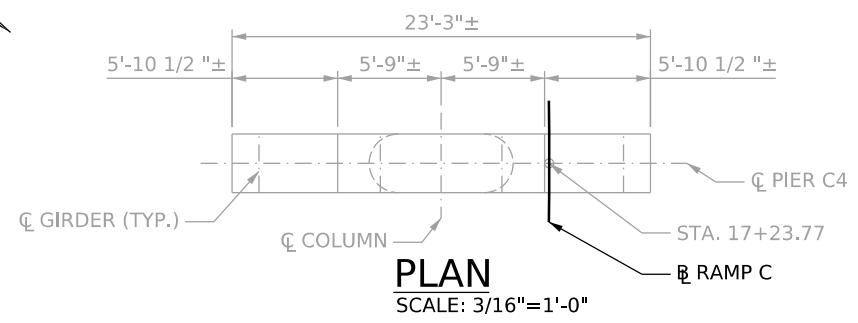
NOTE

1. INSPECTION REPORT DATED OCTOBER 2022 DID NOT SHOW ANY DEFECTS ON THE PIER.

					 TERRADON <small>TERRADON CORPORATION NITRO, WEST VIRGINIA PHONE: 304-755-8291 FAX: 304-755-2636</small>	<small>DESIGNED</small> <small>CHECKED</small>	<small>DRAWN</small> <small>CHECKED</small>	<small>DATE</small> <small>12/2025</small>	PIER C2 REPAIR	THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS FORT HILL BRIDGE RAMP C	SHEET B8 OF B42
REV. NO.	SHEET NO.	REVISION	DATE	BY							BRIDGE NO. 2563.6

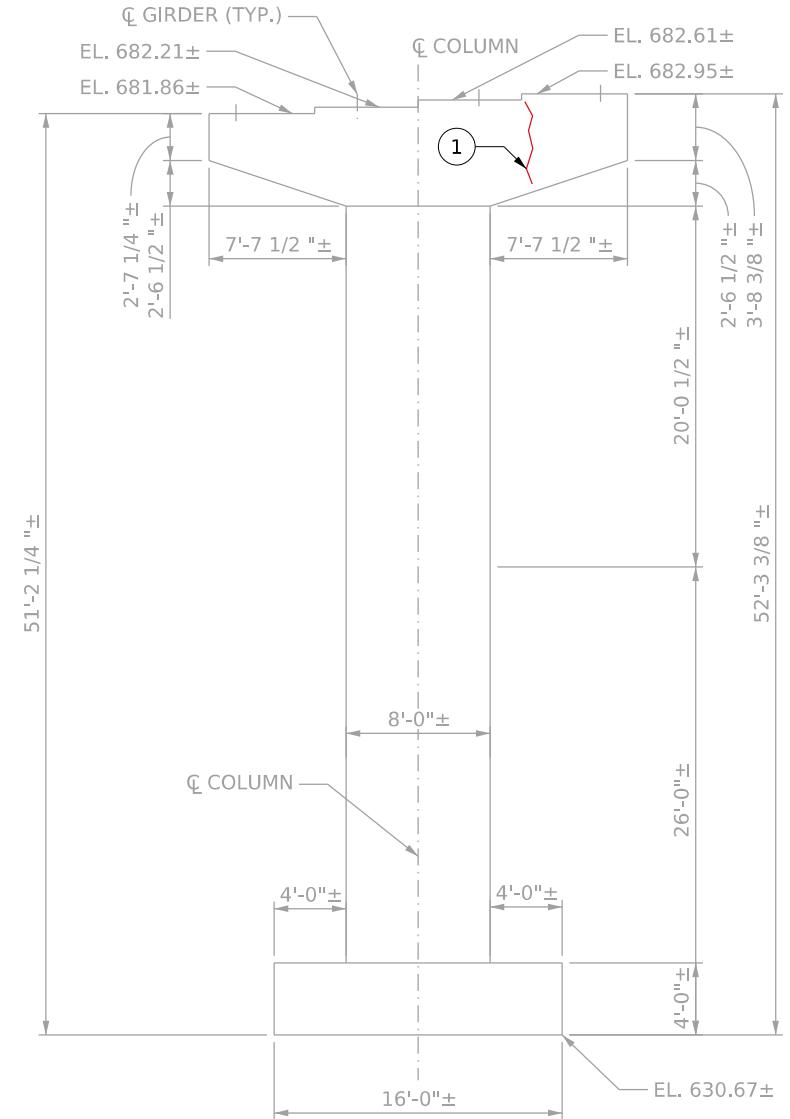
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	1	S320-064/ 00-00-00 00 23	NHPP-0064 (449) D	2024	KANAWHA		
* PIER C4 DEFECTS							
ITEM #601031-001, EPOXY INJECTION CRACK REPAIR							
ID	NOTES	UNITS	QUANTITY				
1	CRACK	LF	5				
	TOTAL	LF	5				

* THE QUANTITIES SHOWN IN THE TABLE ARE OBTAINED FROM THE INSPECTION REPORT DATED OCTOBER 2022.



PLAN B RAMP C

SCALE: 3/16"=1'-0"



EAST FACE ELEVATION

SCALE: 3/16"=1'-0"

WEST FACE ELEVATION

SCALE: 3/16"=1'-0"

LEGEND

CRACK REPAIR

1 BRIDGE DEFECT DESIGNATION

NOTE

1. FOR CRACK REPAIR, SEE EPOXY INJECTION REPAIR NOTE SHEET B2.

REV.	SHEET	REVISION	DATE
NO.	NO.		



TERRADON CORPORATION
NITRO, WEST VIRGINIA
PHONE: 304-755-8291
FAX: 304-755-2636

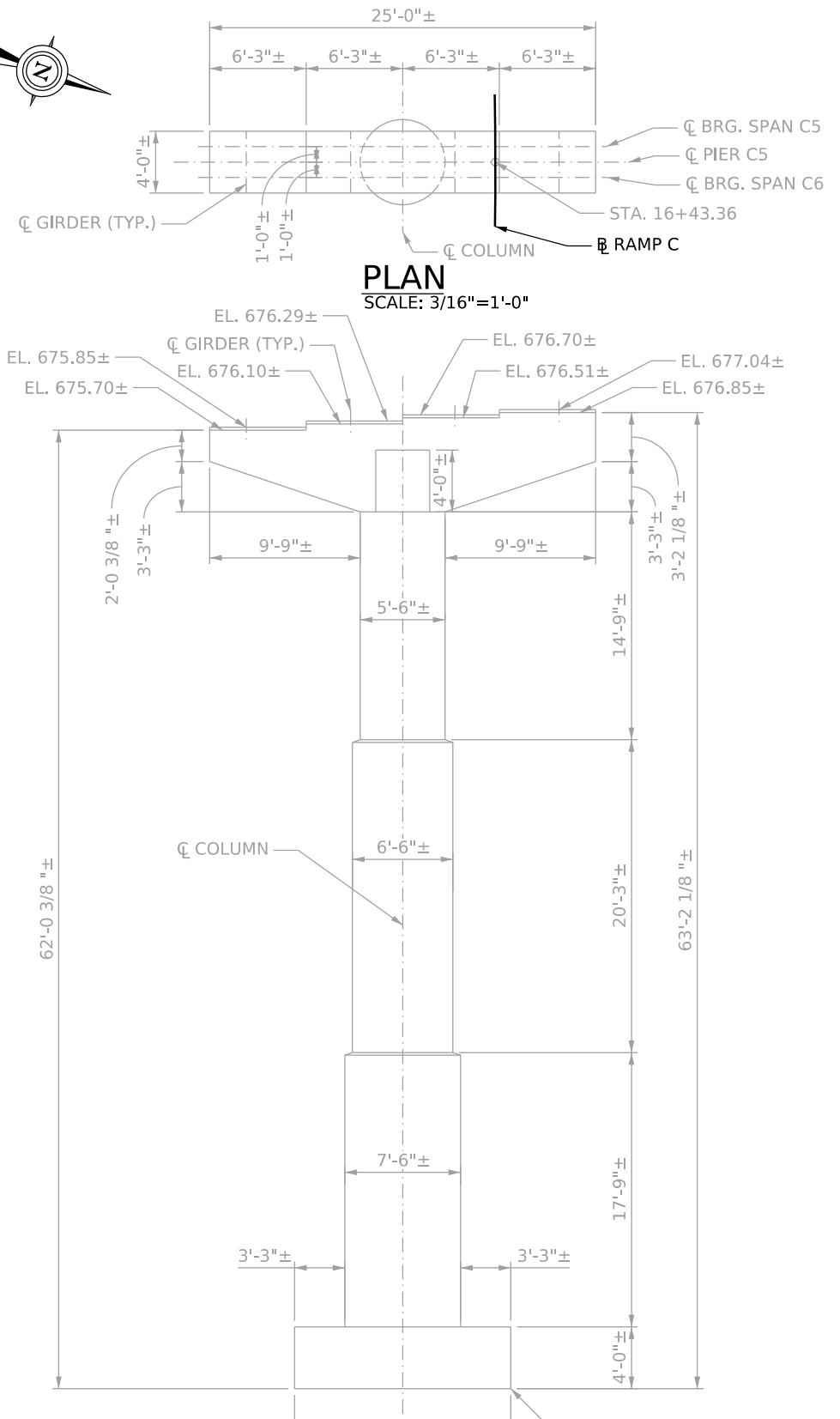
DESIGNED	DRAWN	DATE	
CHECKED	CHECKED		12/2025

PIER C4 REPAIR

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
FORT HILL BRIDGE RAMP C

**SHEET
B10 OF B42**
**BRIDGE NO.
2563.6**

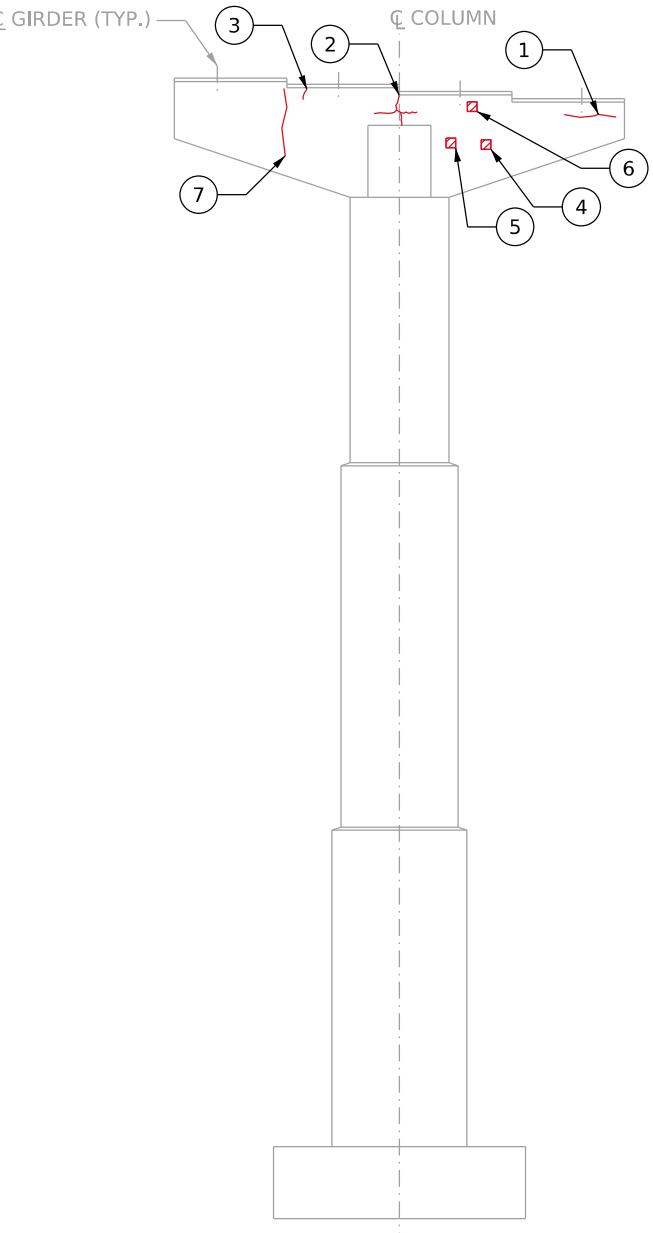
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	1	S320-064/00-0.0000 23	NHPP-0064 (449) D	2024	KANAWHA		



NOTES

1. FOR PATCHING REPAIR, SEE CONCRETE REPAIR SHEETS B15 & B16.
2. FOR CRACK REPAIR, SEE EPOXY INJECTION REPAIR NOTE SHEET B2.

REV. NO.	SHEET NO.	REVISION	DATE	BY	TERRADON TERRADON CORPORATION NITRO, WEST VIRGINIA PHONE: 304-755-8291 FAX: 304-755-2636	DESIGNED	DRAWN	DATE 12/2025	PIER C5 REPAIR		THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS FORT HILL BRIDGE RAMP C	SHEET B11 OF 842
						CHECKED	CHECKED					BRIDGE NO. 2563.6



WEST FACE ELEVATION
SCALE: 3/16"=1'-0"

* PIER C5 DEFECTS			
ITEM #601031-001, EPOXY INJECTION CRACK REPAIR			
ID	NOTES	UNITS	QUANTITY
1	CRACK	LF	3
2	CRACK	LF	3
3	CRACK	LF	5
7	CRACK	LF	4
TOTAL		LF	15

* PIER C5 DEFECTS			
ITEM # 601030-000, PATCHING CONCRETE STRUCTURES			
ID	NOTES	UNITS	QUANTITY
4	SPALL	SF	2
5	SPALL	SF	1
6	SPALL	SF	1
TOTAL		SF	4

* THE QUANTITIES SHOWN IN THE TABLES ARE OBTAINED FROM THE INSPECTION REPORT DATED OCTOBER 2022.

LEGEND



SPALL REPAIR



CRACK REPAIR



BRIDGE DEFECT DESIGNATION



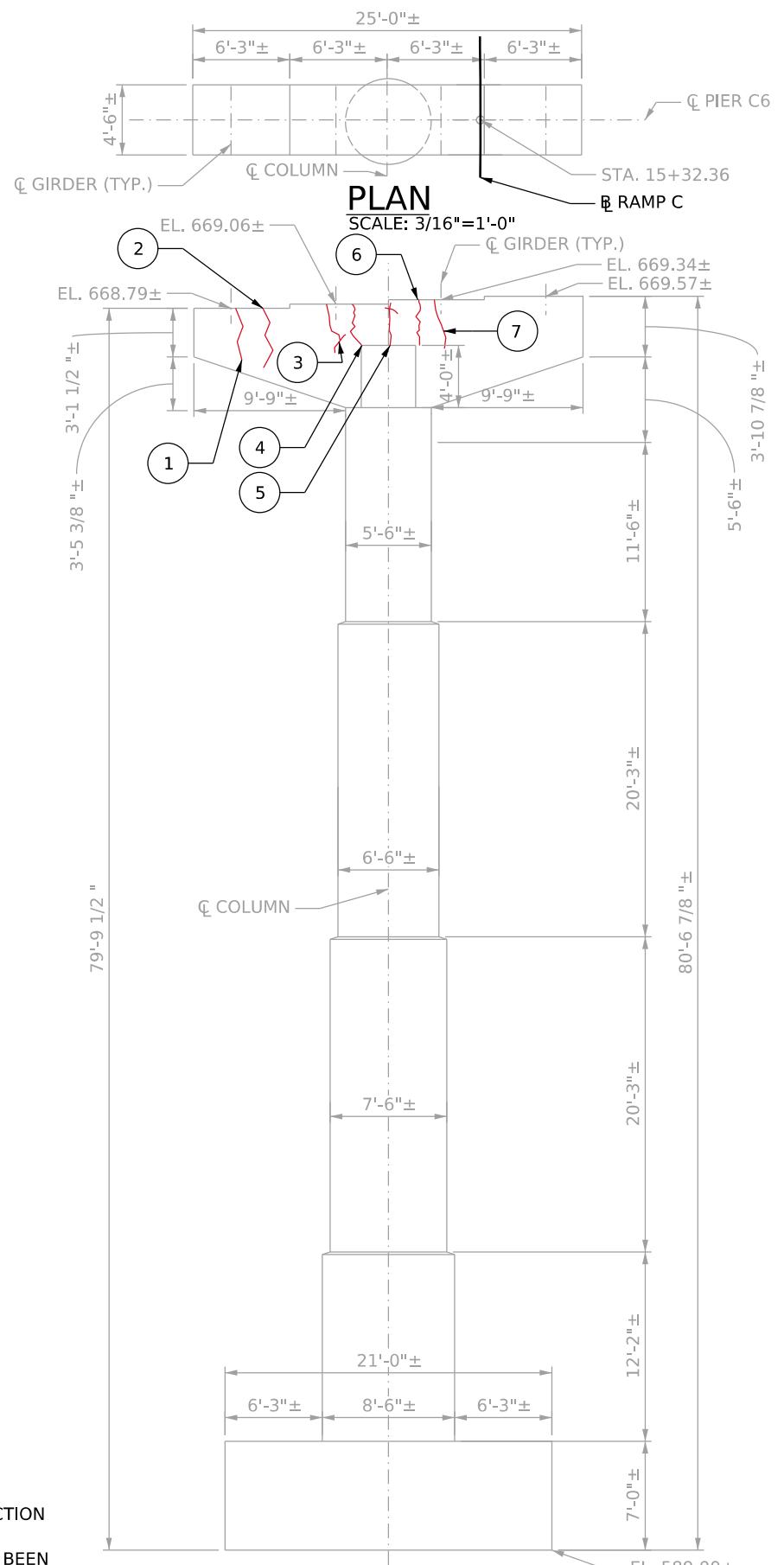
Public Roads Dlv.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	1	S320-064/ 00-00 00 23	NHPP-0064 (449) D	2024	KANAWHA		

PIER C6 DEFECTS			
ITEM #601031-001, EPOXY INJECTION CRACK REPAIR			
ID	NOTES	UNITS	QUANTITY
1	CRACKS	LF	2.5
2	CRACKS	LF	4.5
3	CRACKS	LF	4.5
4	CRACKS	LF	3.5
5	CRACKS	LF	3.5
6	CRACKS	LF	3.5
7	CRACKS	LF	3.5
	TOTAL	LF	25.5

* THE QUANTITIES SHOWN IN THE TABLE ARE OBTAINED FROM THE INSPECTION REPORT DATED OCTOBER 2022.

LEGEND

CRACK REPAIR BRIDGE DEFECT DESIGNATION



EAST FACE ELEVATION

NOTES

1. FOR CRACK REPAIR, SEE EPOXY INJECTION REPAIR NOTE SHEET B2.
 2. SEVERAL CRACKS HAVE PREVIOUSLY BEEN EPOXY INJECTED AND ARE NOT SHOWN ON THE PLANS FOR CLARITY.



	 TERRADON TERRADON CORPORATION NITRO, WEST VIRGINIA	DESIGNED <input checked="" type="checkbox"/>	DRAWN <input checked="" type="checkbox"/>	DATE 12/2025	PIER C6 REPAIR	THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS FORT HILL BRIDGE RAMP C
--	---	---	--	-----------------	----------------	--

IER C6 REPAIR

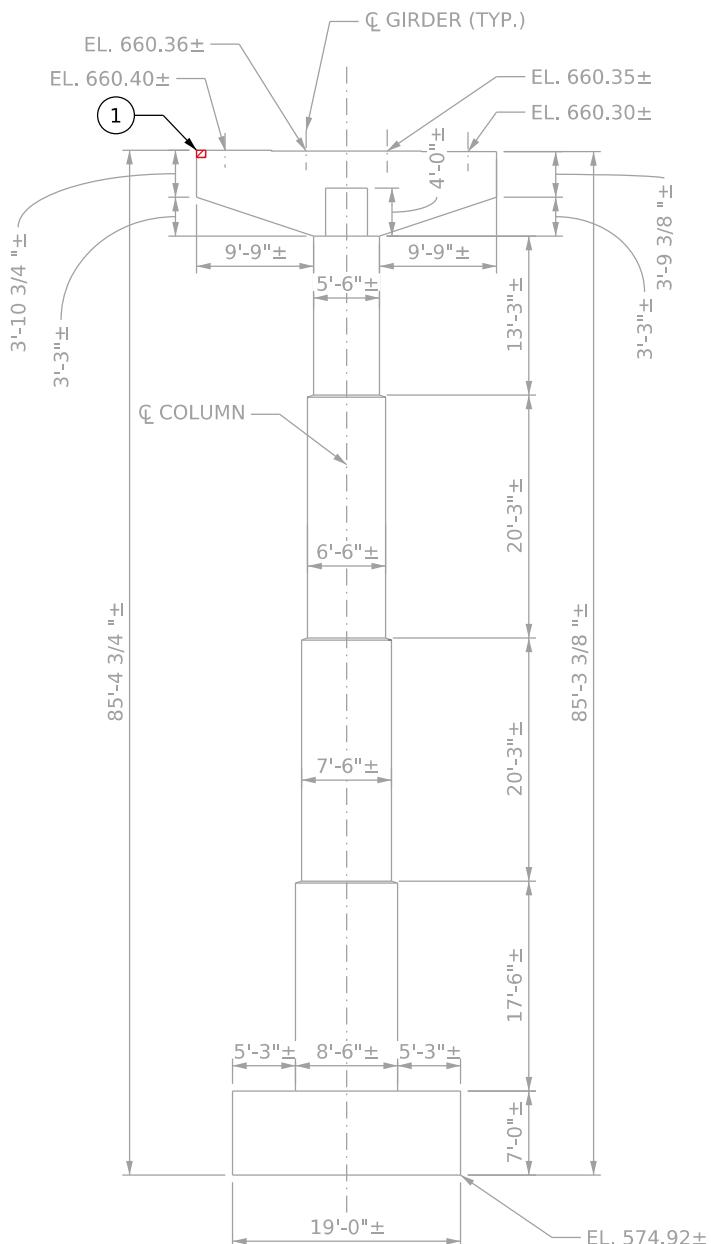
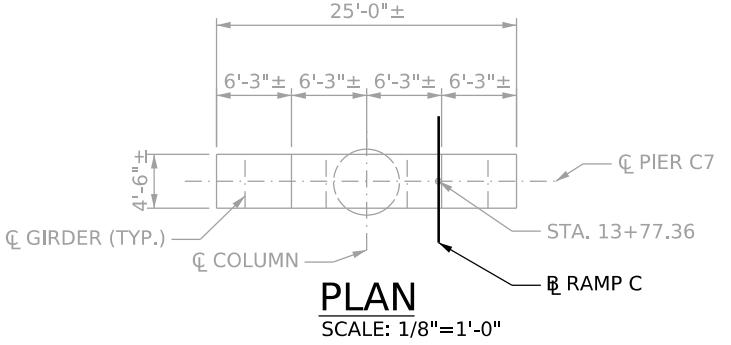
WEST FACE ELEVATION

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
FORT HILL BRIDGE RAMP C

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	1	S320-064/00-0.00 00 23	NHPP-0064 (449) D	2024	KANAWHA		

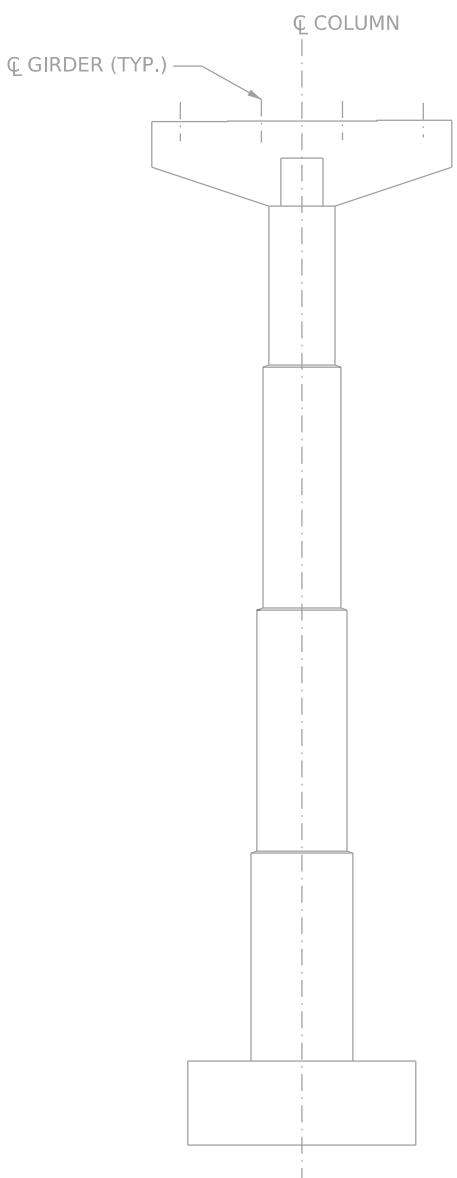
* PIER C7 DEFECTS			
ITEM # 601030-000, PATCHING CONCRETE STRUCTURES			
ID	NOTES	UNITS	QUANTITY
1	SPALL	SF	3
	TOTAL	SF	3

* THE QUANTITIES SHOWN IN THE TABLES ARE
OBTAINED FROM THE INSPECTION REPORT
DATED OCTOBER 2022.



NOTES

1. FOR PATCHING REPAIR, SEE CONCRETE REPAIR SHEETS B15 & B16.
2. SEVERAL CRACKS HAVE PREVIOUSLY BEEN EPOXY INJECTED AND ARE NOT SHOWN ON THE PLANS FOR CLARITY.



EAST FACE ELEVATION
SCALE: 1/8"=1'-0"

LEGEND

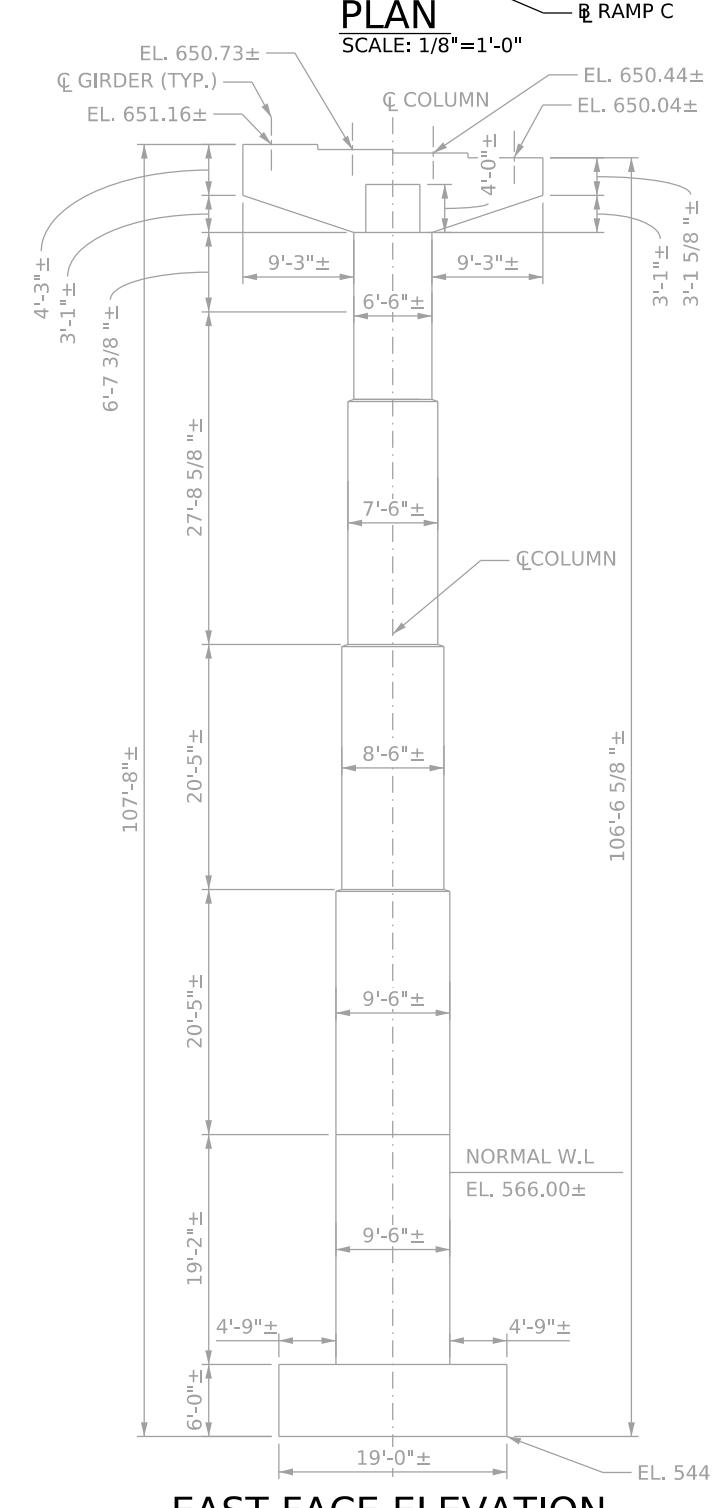
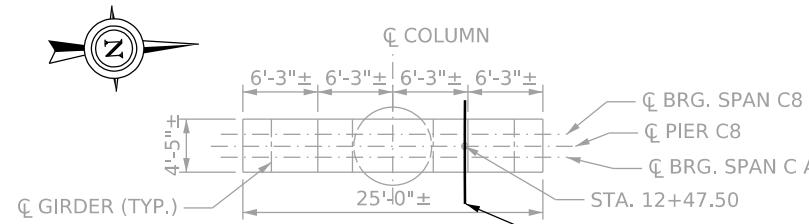
SPALL REPAIR

CRACK REPAIR

BRIDGE DEFECT DESIGNATION

REV. NO.	SHEET NO.	REVISION	DATE	BY

Public Roads Dlv.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	1	S320-064/ 00-0.00 00 23	NHPP-0064 (449) D	2024	KANAWHA		



EAST FACE ELEVATION

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

NOTE

- 1. INSPECTION REPORT DATED OCTOBER 2022 DID NOT SHOW ANY DEFECTS ON THE PIER.**

WEST FACE ELEVATION

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

REV. NO.	SHEET NO.	REVISION	DATA

DESIGNED	DRAWN	DATE	
CHECKED	CHECKED		12/2025

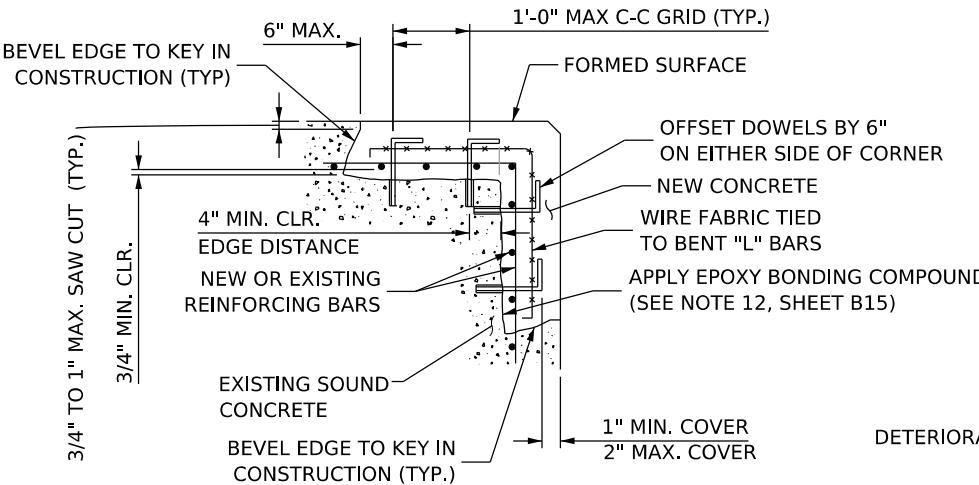
PIER C8 REPAIR

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
FORT HILL BRIDGE RAMP C

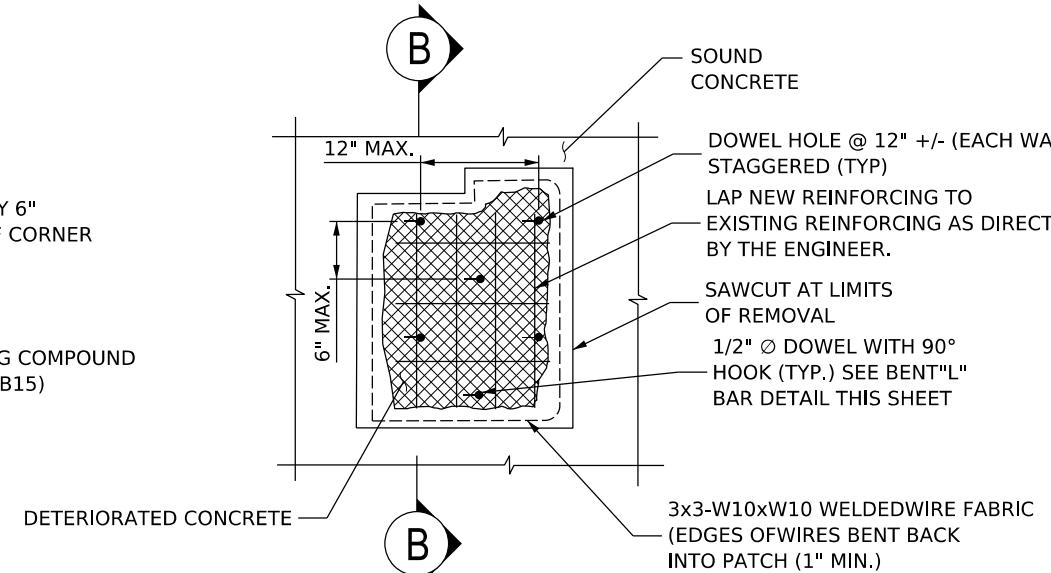
SHEET
B14 OF B42

BRIDGE NO.
2563.6

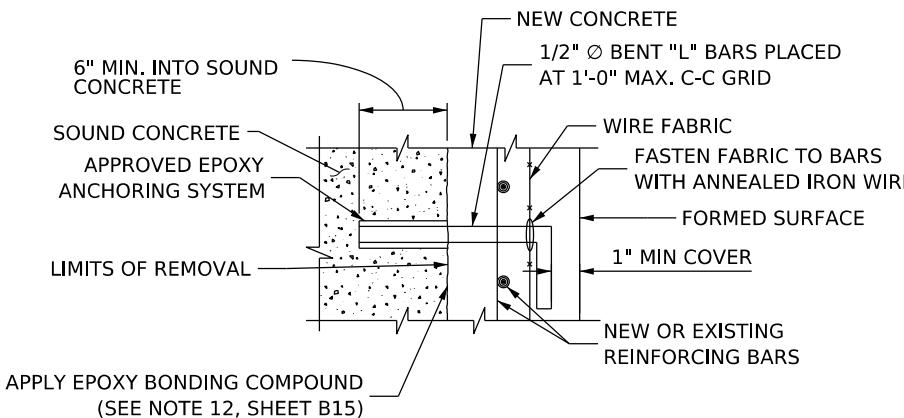
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
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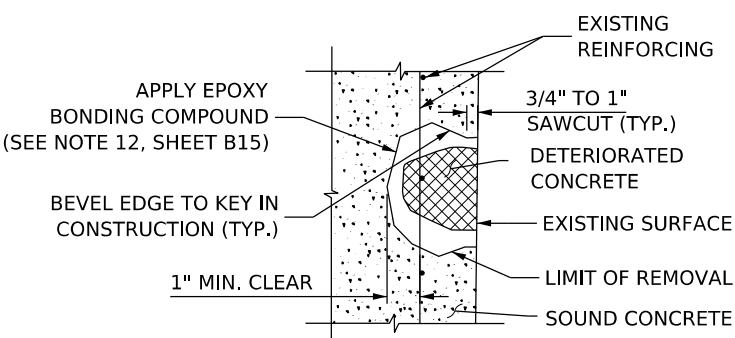
CORNER REPAIR DETAIL
NOT TO SCALE



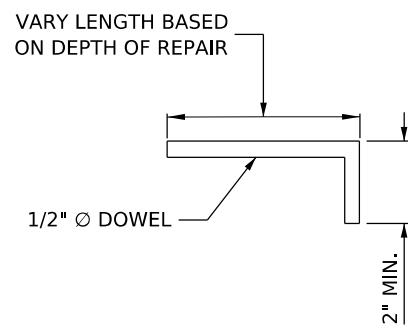
ELEVATION VIEW
NOT TO SCALE



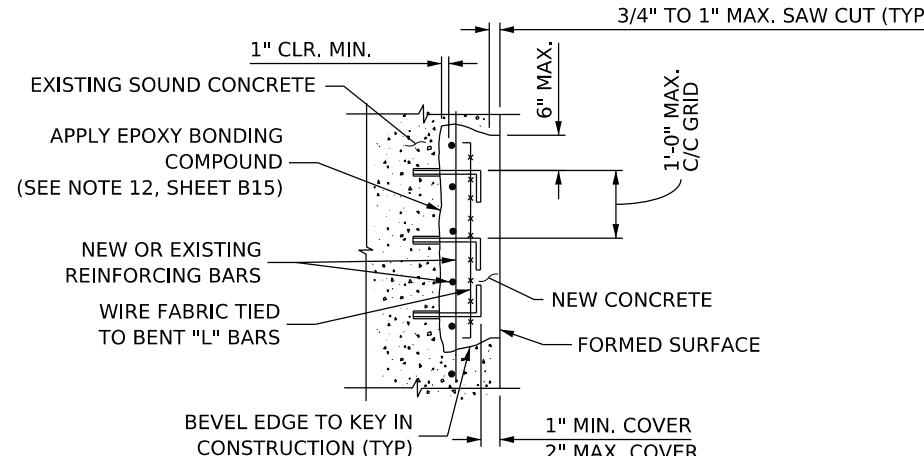
TYPICAL 'L' DOWEL BAR DETAIL
NOT TO SCALE



LIMITS OF REMOVAL
NOT TO SCALE



BENT 'L' DOWEL BAR
NOT TO SCALE



NEW & EXISTING REINFORCING
NOT TO SCALE

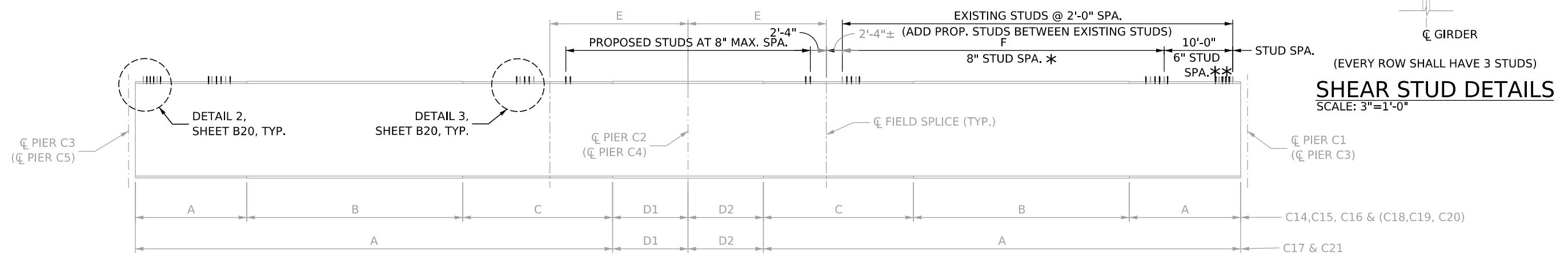
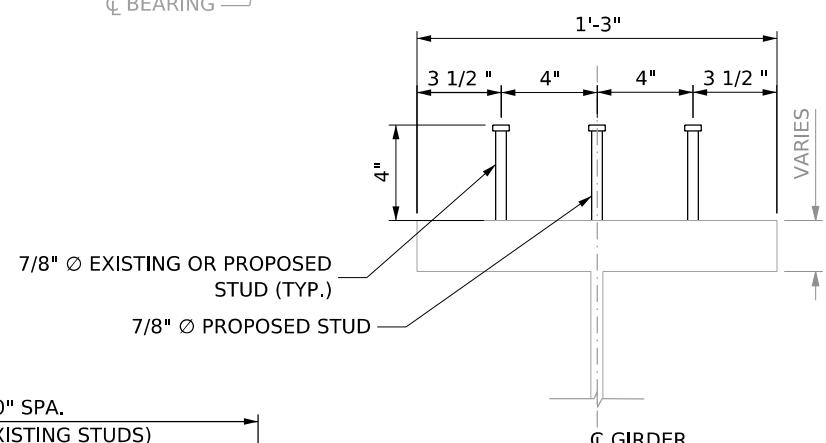
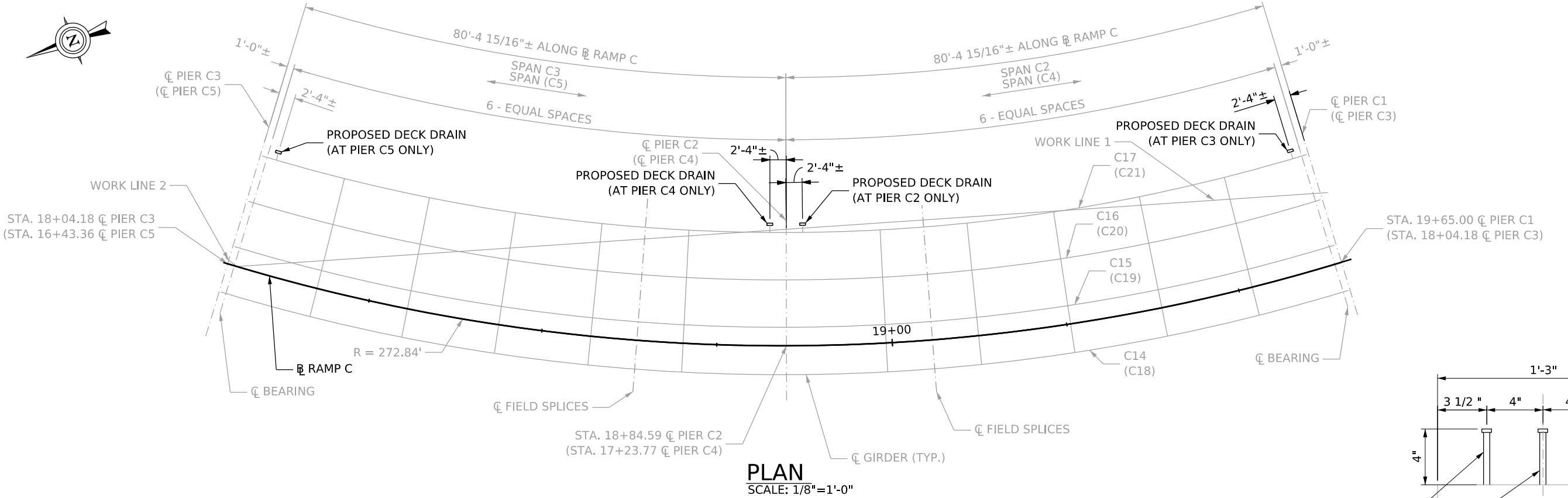
**PATCHING CONCRETE
STRUCTURES REPAIR**
NOT TO SCALE

NOTE

1. FOR NOTES AND ADDITIONAL INFORMATION FOR PATCHING CONCRETE STRUCTURES, SEE SHEET B15 "PATCHING CONCRETE STRUCTURES (1 OF 2)".

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GIRDER ELEVATION
NOT TO SCALE

- * PLACE 2 PROPOSED STUDS IN BETWEEN EVERY 2 EXISTING STUDS @ 6" SPA.
- ** PLACE 3 PROPOSED STUDS IN BETWEEN EVERY 2 EXISTING STUDS @ 8" SPA.

NOTE

1. FOR ADDITIONAL DETAILS SEE THE EXISTING BRIDGE PLANS DATED 1972.

SPANS C2-C3 & C4-C5 PROPOSED SHEAR STUDS		
GIRDER	LENGTH	QUANTITY
C14 & C18	161'-3"	640
C15 & C19	157'- 3 1/4"	626
C16 & C20	153'-3 1/2"	612
C17 & C21	149'- 3 13/16"	596

NOTES

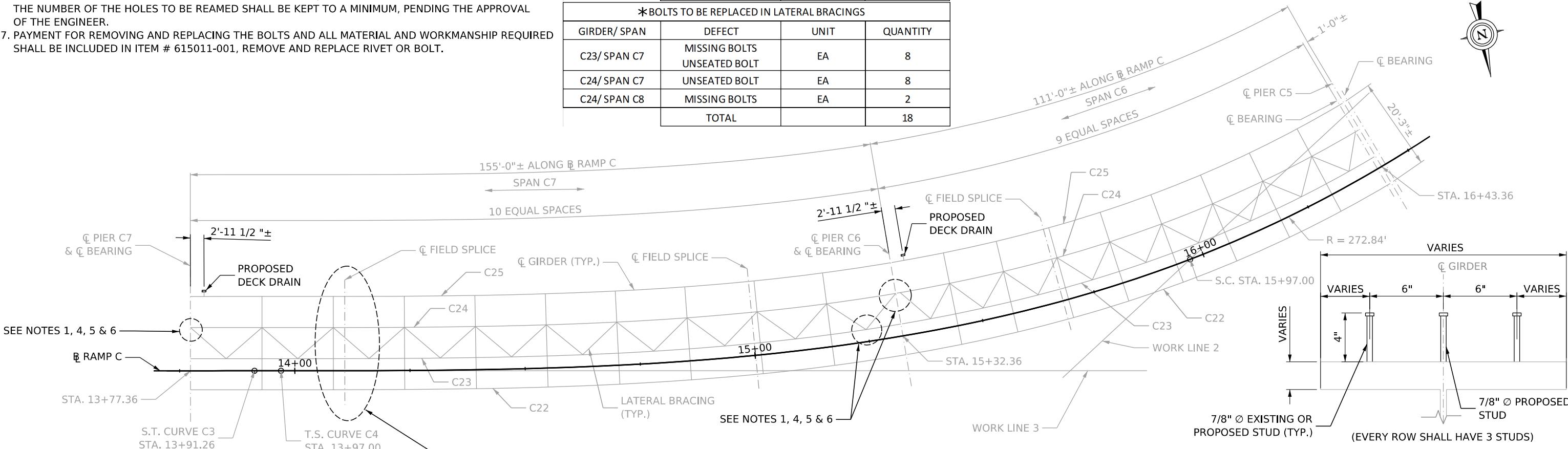
1. ALL NEW BOLTS SHALL BE A325 AND MATCH EXISTING BOLT DIA.
2. REPLACE ALL MISSING AND LOOSE BOLTS AT ALL GIRDER FIELD SPlices IN SPAN C7 AT LOCATIONS INDICATED IN THIS SHEET.
3. CONTRACTOR SHALL REMOVE THE WELDMENT FROM THE MISSING BOLT HOLES IN THE FIELD SPlices BY DRILLING THROUGH THE WELDS, AND PLACE A NEW BOLT.
4. REPLACE MISSING AND LOOSE BOLTS AT LATERAL BRACINGS AT LOCATIONS INDICATED IN THIS SHEET.
5. UNSEATED BOLTS SHALL BE REPAIRED BY LOOSENING ALL BOLTS AT THE CONNECTION, HOLES SHALL BE REALIGNED USING A DRIFT PIN, THE LATERAL BRACE AND THE GUSSET PLATE SHALL BE CLAMPED TOGETHER, ALL EXISTING BOLTS SHALL BE REMOVED, AND NEW BOLTS SHALL BE INSTALLED.
6. IN CASE THE HOLES CAN NOT BE ALIGNED IN THIS MANNER, THEN SOME HOLES SHALL BE REAMED. THE NUMBER OF THE HOLES TO BE REAMED SHALL BE KEPT TO A MINIMUM, PENDING THE APPROVAL OF THE ENGINEER.
7. PAYMENT FOR REMOVING AND REPLACING THE BOLTS AND ALL MATERIAL AND WORKMANSHIP REQUIRED SHALL BE INCLUDED IN ITEM # 615011-001, REMOVE AND REPLACE RIVET OR BOLT.

* BOLTS TO BE REPLACED IN FIELD SPlice IN SPAN C7			
GIRDER	DEFECT	UNIT	QUANTITY
C22	MISSING BOLTS	EA	2
C22	BOLT HOLES FILLED WITH WELDMENT	EA	2
C23	MISSING BOLTS	EA	1
C24	MISSING BOLTS	EA	4
C25	MISSING BOLTS	EA	3
	TOTAL		12

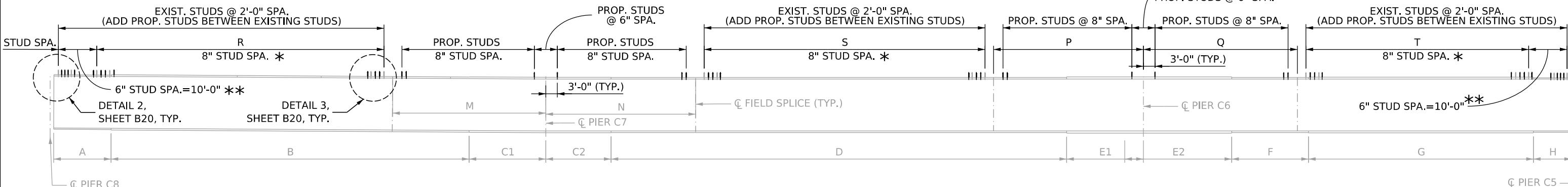
* BOLTS TO BE REPLACED IN LATERAL BRACINGS			
GIRDER/ SPAN	DEFECT	UNIT	QUANTITY
C23/ SPAN C7	MISSING BOLTS UNSEATED BOLT	EA	8
C24/ SPAN C7	UNSEATED BOLT	EA	8
C24/ SPAN C8	MISSING BOLTS	EA	2
	TOTAL		18

* THE QUANTITIES SHOWN IN THE TABLES ARE OBTAINED FROM THE INSPECTION REPORT DATED OCTOBER 2022.

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PLAN

SCALE: 3/32"=1'-0"


GIRDER ELEVATION C22 & C23

NOT TO SCALE

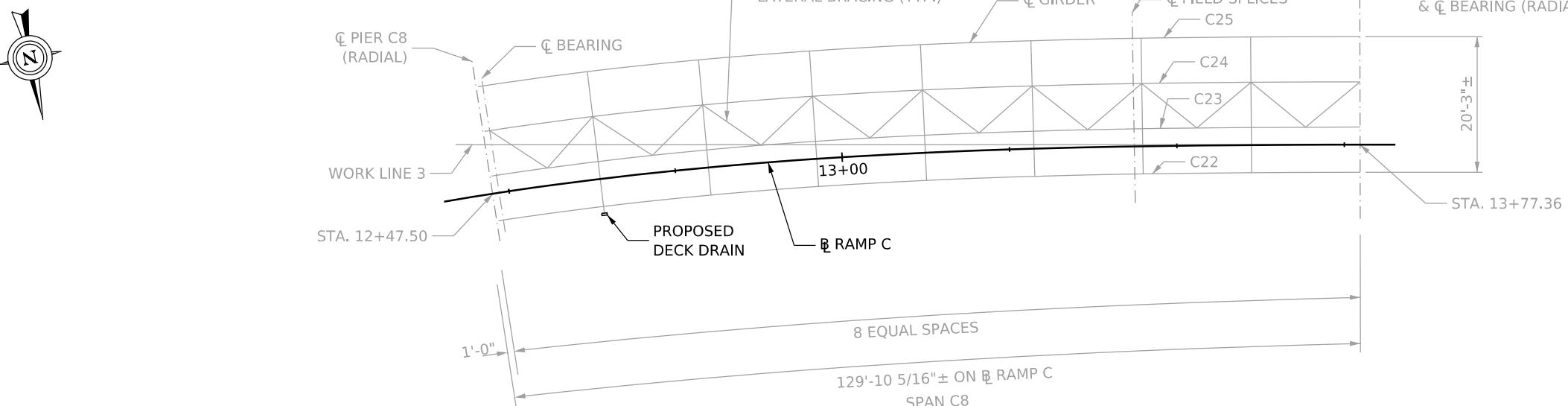
SPANS C6-C7-C8 PROPOSED SHEAR STUDS		
GIRDER	LENGTH	QUANTITY
C22	395'-5 5/16"	1401
C23	392'-10 1/4"	1391

* PLACE 2 PROPOSED STUDS IN BETWEEN EVERY 2 EXISTING STUDS @ 8" SPA.

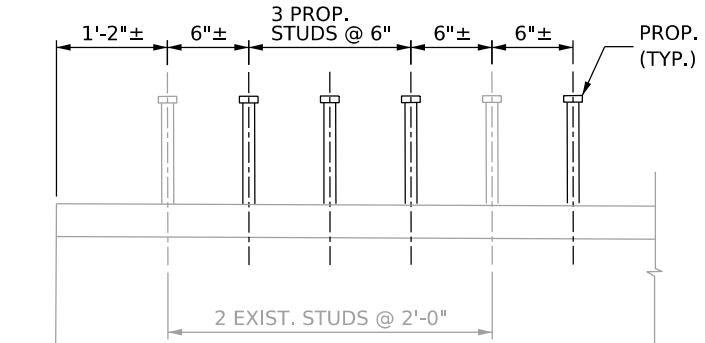
* * PLACE 3 PROPOSED STUDS IN BETWEEN EVERY 2 EXISTING STUDS @ 6" SPA.

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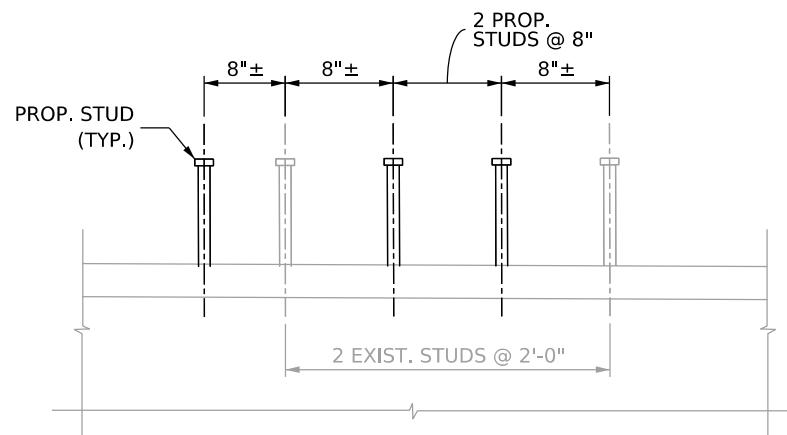


PLAN

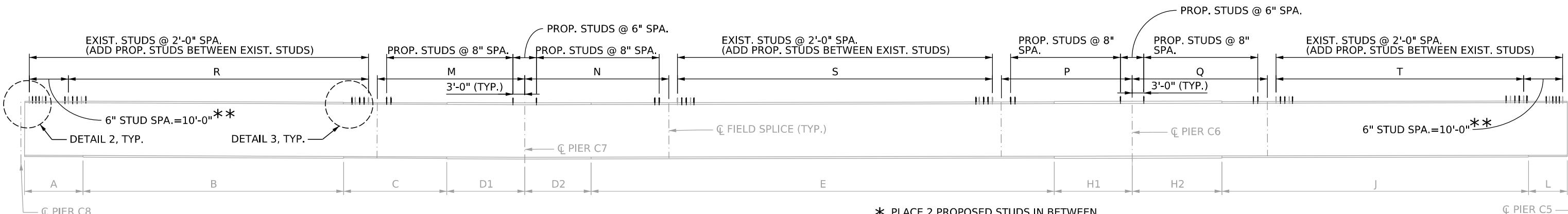


DETAIL 2

NOT TO SCALE



DETAIL 3



GIRDER ELEVATION C24 & C25

NOT TO SCALE

* PLACE 2 PROPOSED STUDS IN BETWEEN
EVERY 2 EXISTING STUDS @ 8" SPA.

* * PLACE 3 PROPOSED STUDS IN BETWEEN
EVERY 2 EXISTING STUDS @ 6" SPA.

SPANS C6-C7-C8 PROPOSED SHEAR STUDS		
GIRDER	LENGTH	QUANTITY
C24	390'-3 3/16"	1383
C25	387'-8 3/16"	1373

NOTE

- 1. FOR ADDITIONAL DETAILS SEE
THE EXISTING BRIDGE PLANS
DATED 1972.**

REV.	SHEET	REVISION
NO.	NO.	



DESIGNED	DRAWN	DATE	
CHECKED	CHECKED		12/2025

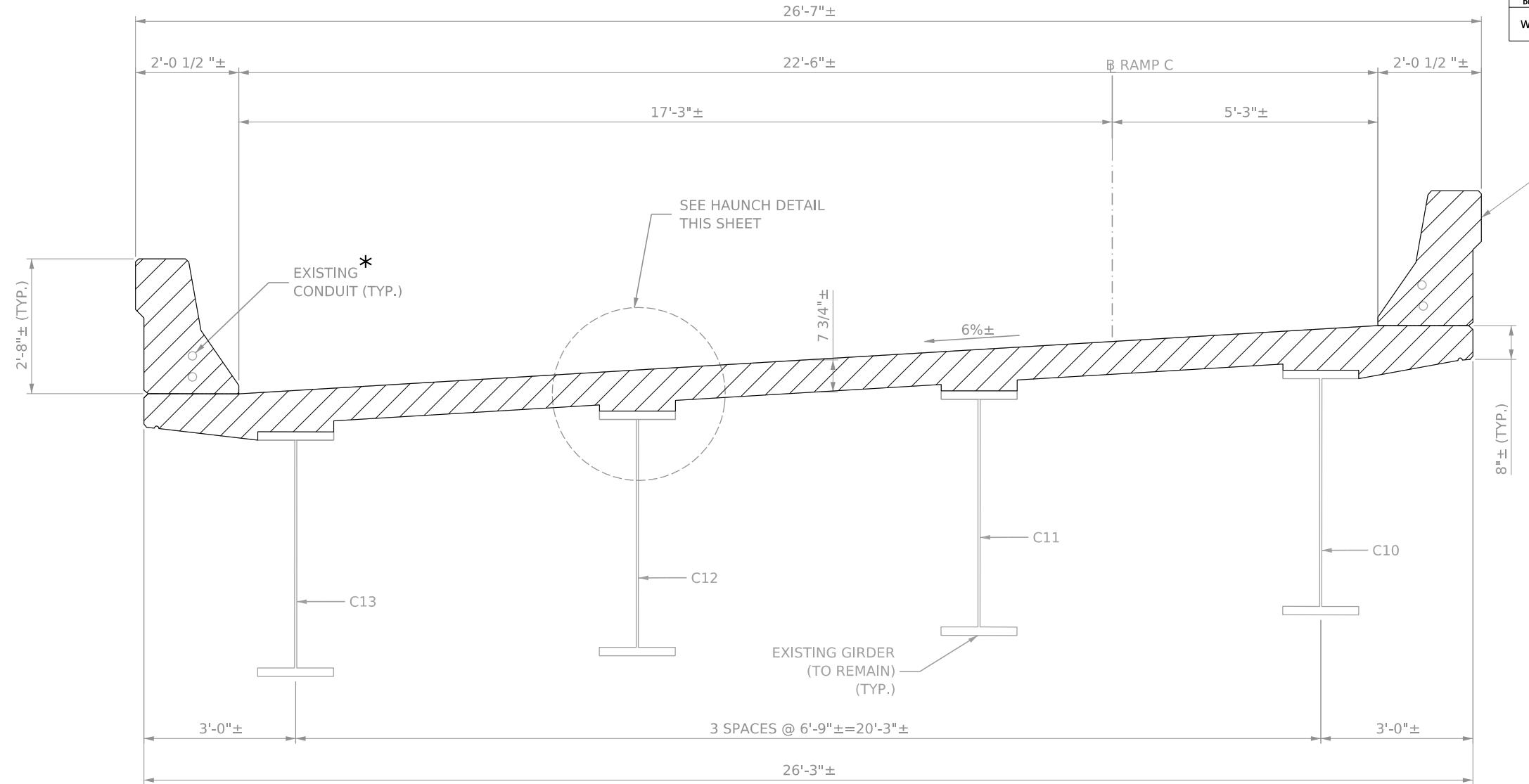
FRAMING PLAN SPAN C8

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
FORT HILL BRIDGE RAMP C

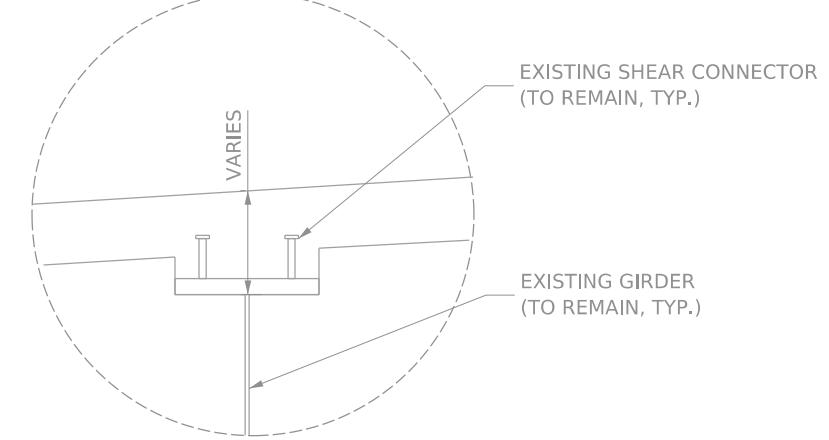
SHEET
B20 OF B42

BRIDGE NO.
2563.6

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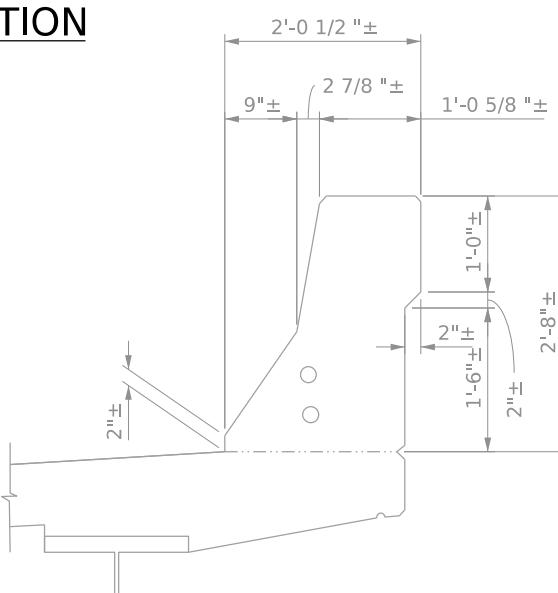


EXISTING TYPICAL SECTION
SCALE: 3/4"=1'-0"



* EXISTING CONDUITS SHALL BE REMOVED AND REPLACED.

EXISTING HAUNCH DETAIL
SCALE: 1"=1'-0"



EXISTING PARAPET DETAIL
SCALE: 1"=1'-0"

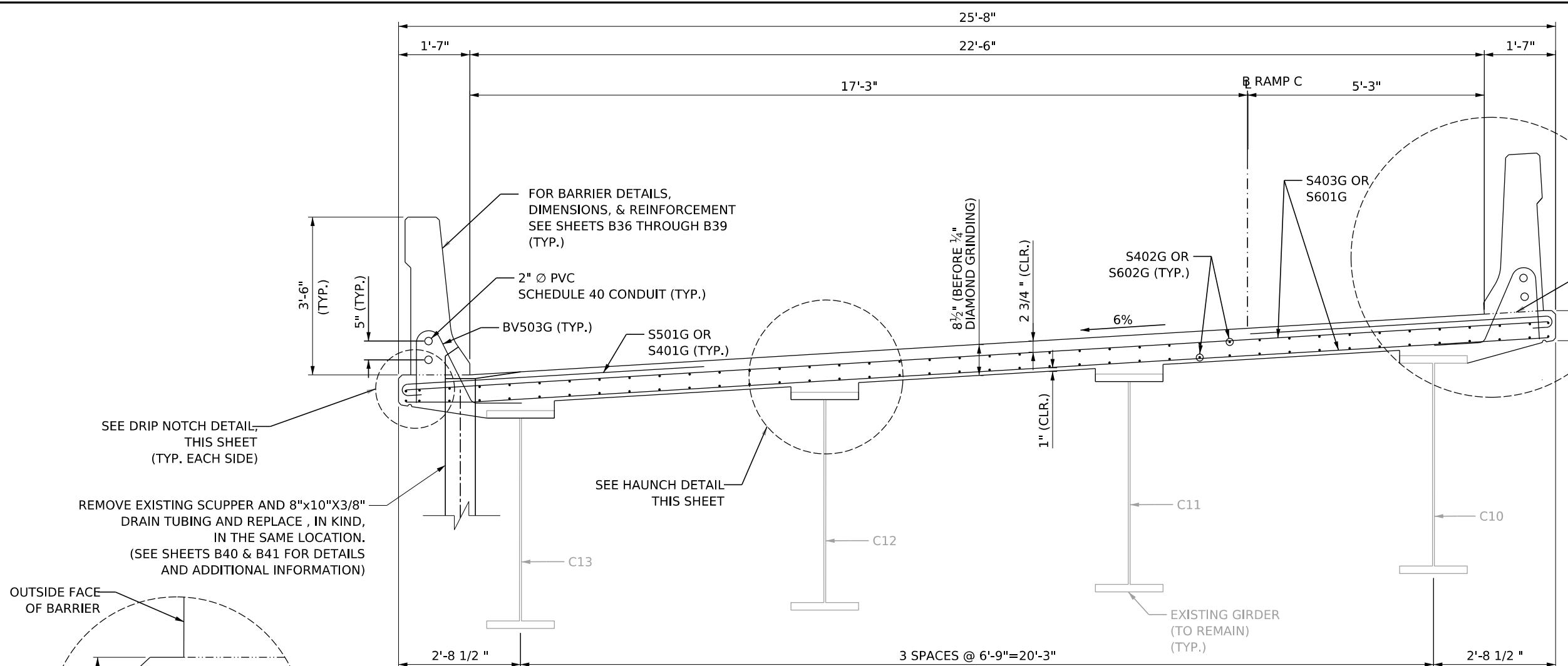
LEGEND



NOTE
1. FOR LIMITS OF REMOVAL OF DRAINAGE ASSEMBLY, SEE SHEETS B40, B41, & B42.

REV. NO.	SHEET NO.	REVISION	DATE	BY	TERRADON TERRADON CORPORATION NITRO, WEST VIRGINIA PHONE: 304-755-8291 FAX: 304-755-2636	DESIGNED	DRAWN	DATE 12/2025	LIMITS OF REMOVAL		THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS FORT HILL BRIDGE RAMP C	SHEET B21 OF B42
						CHECKED	CHECKED					BRIDGE NO. 2563.6

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
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TYPICAL DRIP NOTCH DETAIL

SCALE: 3"=1'-0"

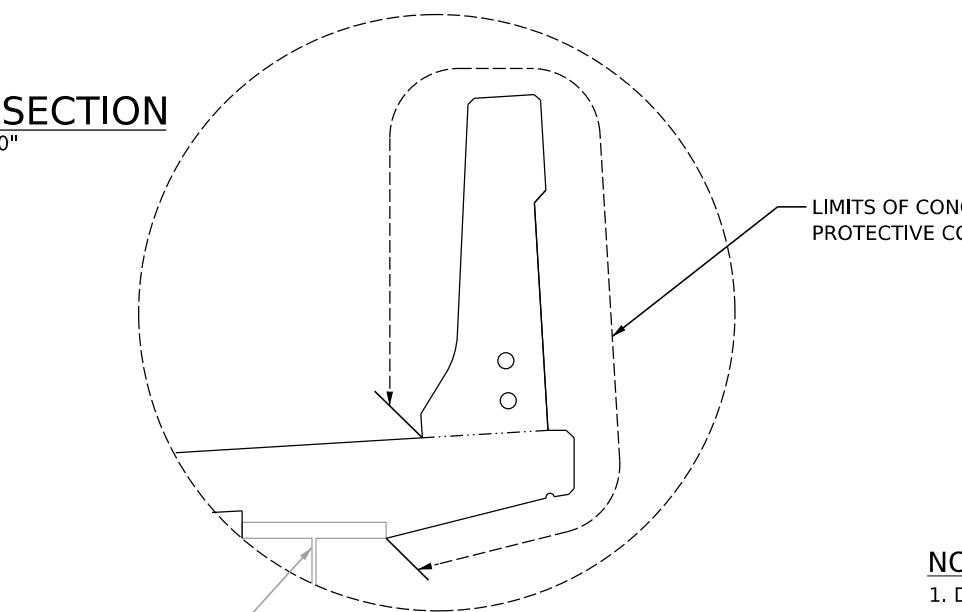
CROSS-SLOPE/SUPERELEVATION USED ARE FROM EXISTING PLANS. SURVEY/NEW SUPERELEVATIONS, IF ANY, ARE NOT REFLECTED.

HAUNCH DETAIL

SCALE: 1"=1'-0"

TYPICAL SECTION

SCALE: 3/4"=1'-0"



TYPICAL CONCRETE PROTECTIVE COATING DETAIL

SCALE: 1"=1'-0"

NOTES

1. DRIP NOTCH IS TYPICAL AT ALL DECK OVERHANGS IN EACH SPAN AND RUNS THE FULL LENGTH OF THE DECK.
2. FOR PARAPET DETAILS AND REINFORCEMENT, SEE SHEETS B36 THROUGH B39.
3. PARAPET ON HIGH SIDE IS PERPENDICULAR TO THE DECK.
4. PARAPET ON LOW SIDE IS PLUMB.

TYPICAL SECTION SPAN C1

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
FORT HILL BRIDGE RAMP C

SHEET B22 OF B42
BRIDGE NO. 2563.6

REV. NO.	SHEET NO.	REVISION	DATE	BY

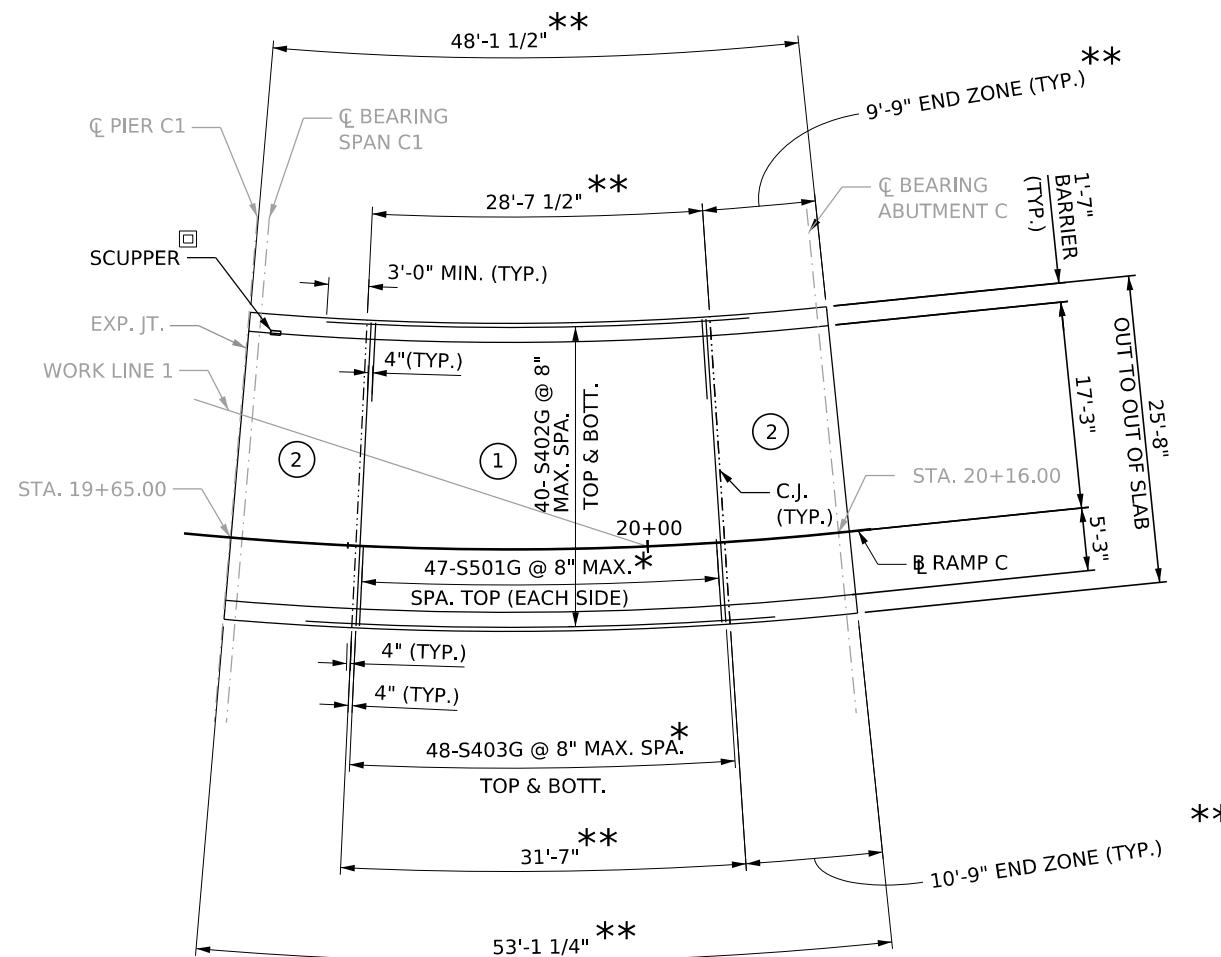
TERRADON
TERRADON CORPORATION
NITRO, WEST VIRGINIA
PHONE: 304-755-8291
FAX: 304-755-2636

DESIGNED DRAWN
CHECKED CHECKED

DATE

12/2025

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
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LEGEND

(1) POUR SEQUENCE

* ALL BAR SPACING MEASURED ALONG OUTSIDE EDGE OF DECK.

** MEASURED ALONG EDGE OF ROADWAY SLAB.

EXISTING SCUPPERS SHALL BE REPLACED, IN KIND,
AT CURRENT LOCATIONS. SEE SHEETS B40 THROUGH B42 FOR DETAILS.

PLAN VIEW

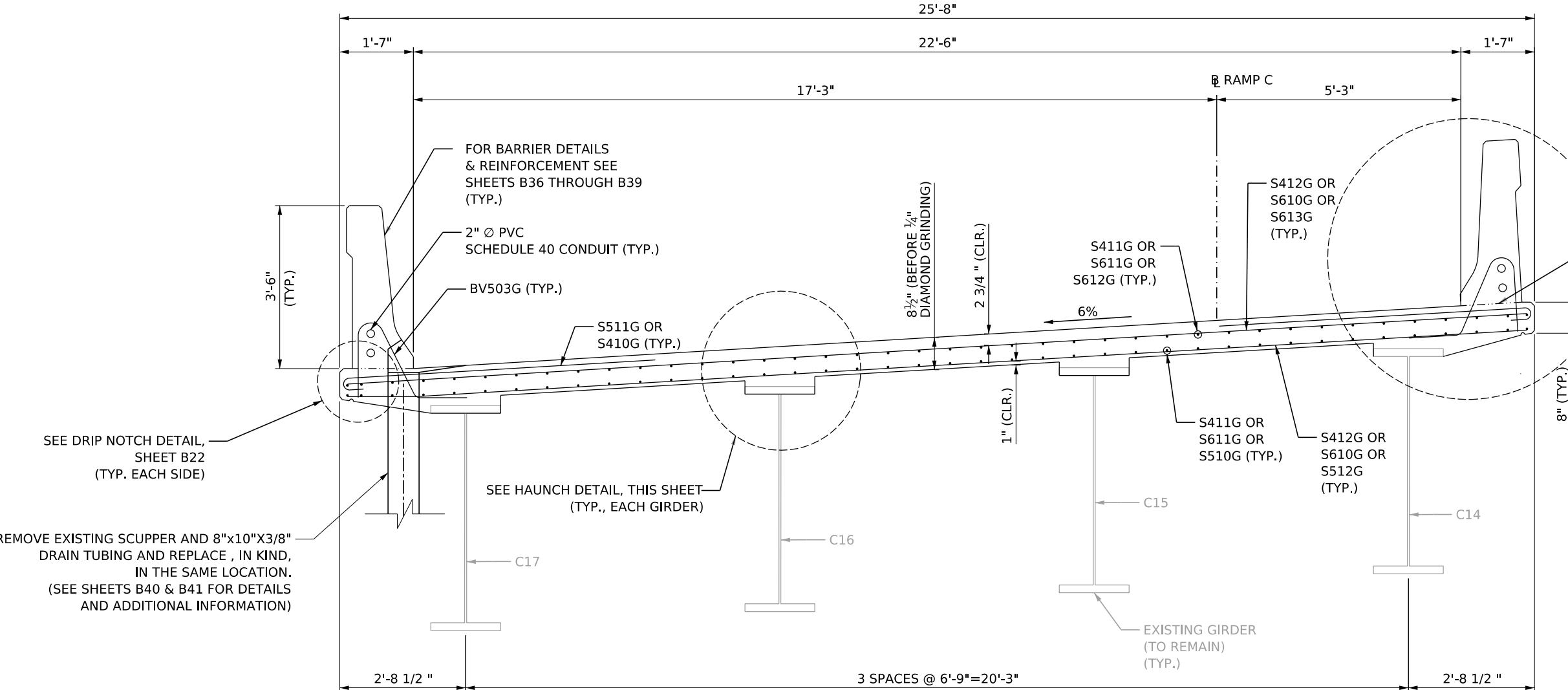
SCALE: 1/8"=1'-0"

NOTES

1. REINFORCEMENT IN BARRIER IS NOT SHOWN FOR CLARITY.
2. FOR END ZONE REINFORCEMENT AND DETAILS, SEE SHEET B30.

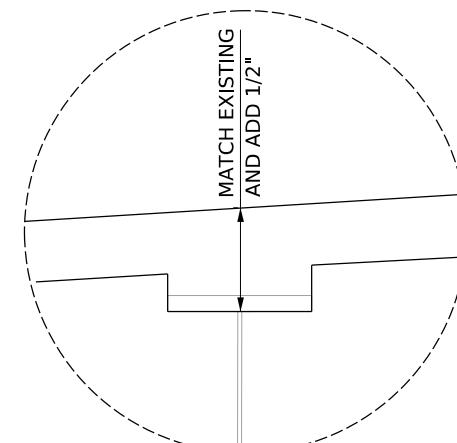
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TYPICAL SECTION

SCALE: 3/4"=1'-0"



HAUNCH DETAIL

SCALE: 1"=1'-0"

CROSS-SLOPE/SUPERELEVATION USED ARE FROM EXISTING PLANS. SURVEY/NEW SUPERELEVATIONS, IF ANY, ARE NOT REFLECTED.

NOTES

1. DRIP NOTCH IS TYPICAL AT ALL DECK OVERHANGS IN EACH SPAN AND RUNS THE FULL LENGTH OF THE DECK.
2. FOR PARAPET DETAILS AND REINFORCEMENT, SEE SHEETS B36 THROUGH B39.
3. PARAPET ON HIGH SIDE IS PERPENDICULAR TO THE DECK.
4. PARAPET ON LOW SIDE IS PLUMB.

TYPICAL SECTION SPANS C2-C3

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
FORT HILL BRIDGE RAMP C

SHEET B24 OF B42
BRIDGE NO. 2563.6

REV. NO.	SHEET NO.	REVISION	DATE	BY

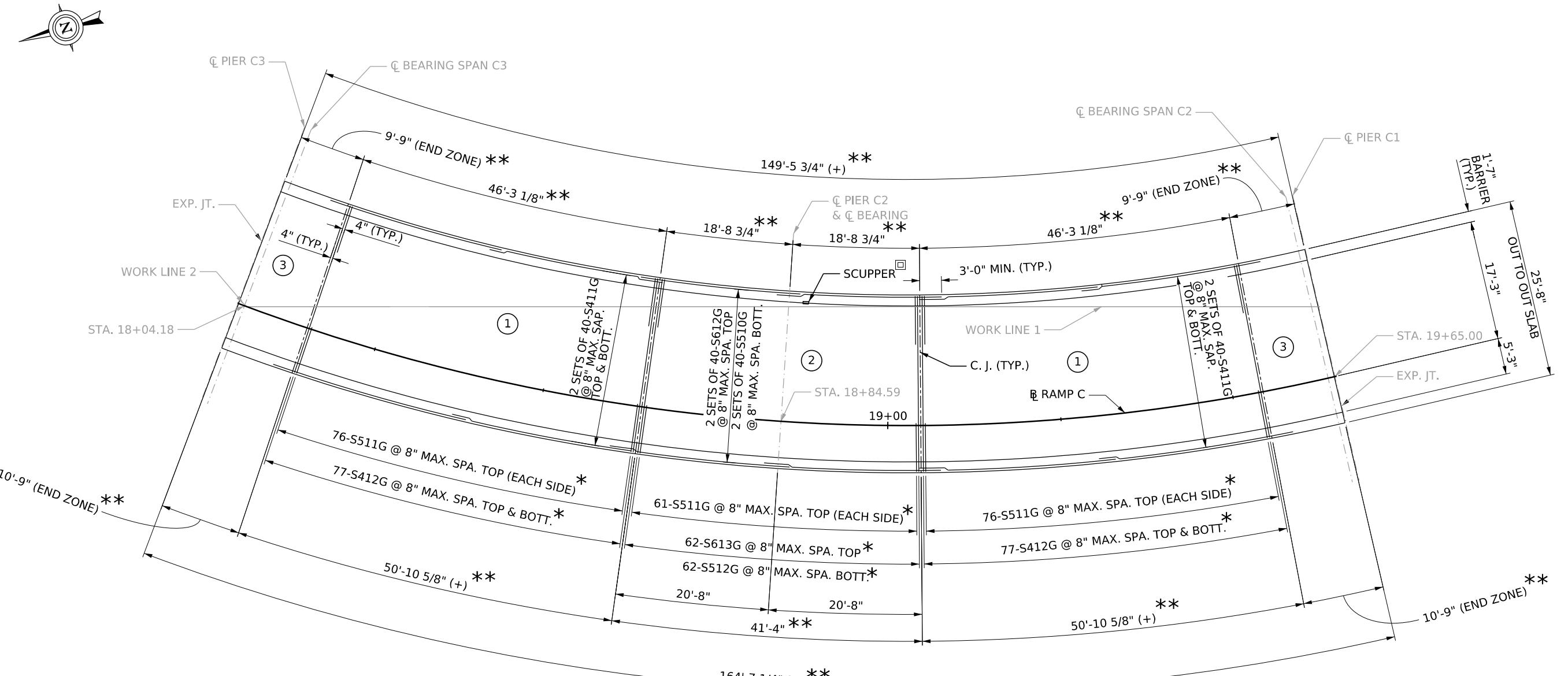
TERRADON
TERRADON CORPORATION
NITRO, WEST VIRGINIA
PHONE: 304-755-8291
FAX: 304-755-2636

DESIGNED DRAWN
CHECKED CHECKED

DATE

12/2025

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LEGEND

① POUR SEQUENCE

* ALL BAR SPACING MEASURED ALONG OUTSIDE EDGE OF DECK.

** MEASURED ALONG EDGE OF ROADWAY SLAB

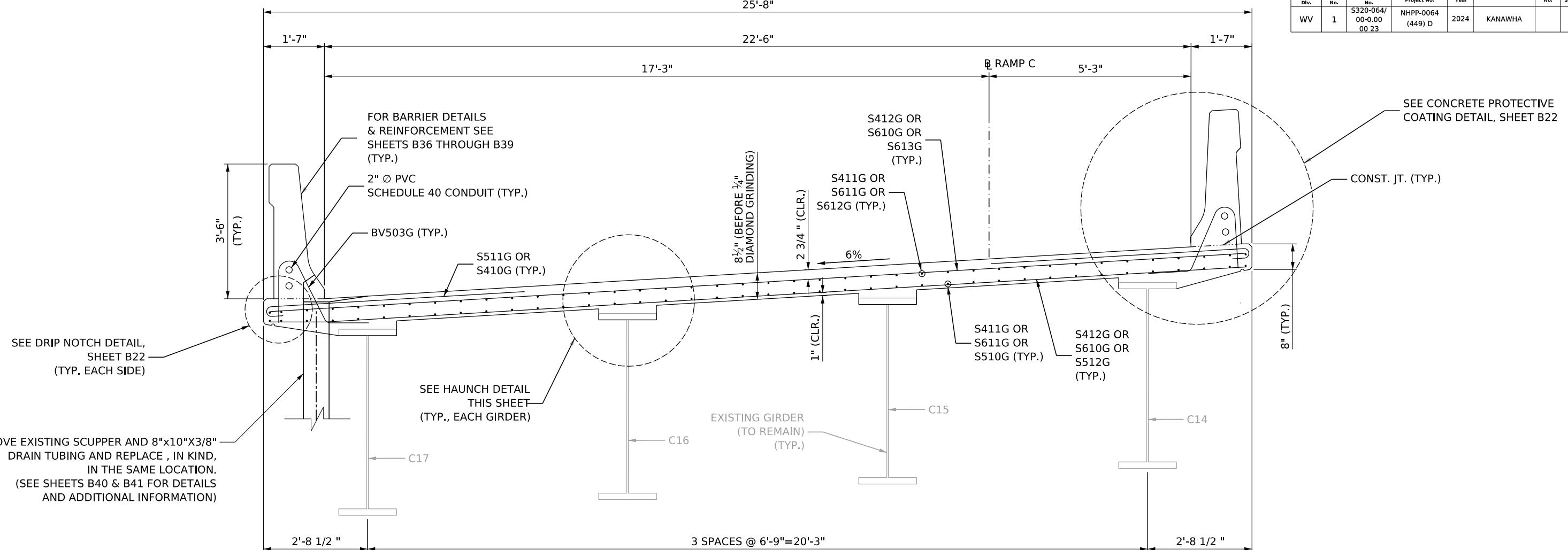
□ EXISTING SCUPPERS SHALL BE REPLACED, IN KIND,
AT CURRENT LOCATIONS. SEE SHEETS B40 THROUGH B42 FOR DETAILS.

NOTES

1. REINFORCEMENT IN BARRIER IS NOT SHOWN FOR CLARITY.
2. FOR END ZONE REINFORCEMENT AND DETAILS, SEE SHEET B30.

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TYPICAL SECTION

SCALE: 3/4"=1'-0"

MATCH EXISTING
AND ADD 1/2"

HAUNCH DETAIL

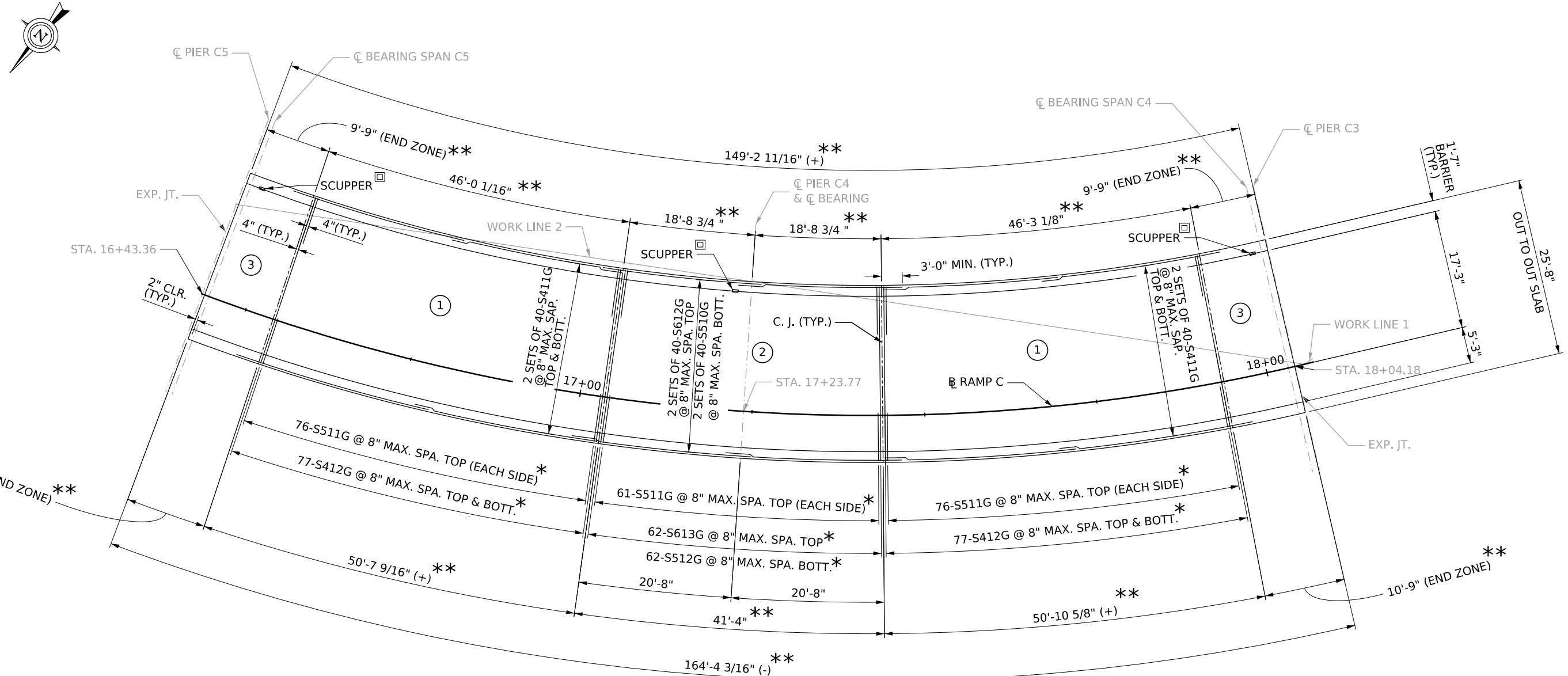
SCALE: 1"=1'-0"

CROSS-SLOPE/SUPERELEVATION
USED ARE FROM EXISTING
PLANS. SURVEY/NEW
SUPERELEVATIONS, IF ANY, ARE
NOT REFLECTED.

NOTES

1. DRIP NOTCH IS TYPICAL AT ALL DECK OVERHANGS IN EACH SPAN AND RUNS THE FULL LENGTH OF THE DECK.
2. FOR PARAPET DETAILS AND REINFORCEMENT, SEE SHEETS B36 THROUGH B39.
3. PARAPET ON HIGH SIDE IS PERPENDICULAR TO THE DECK.
4. PARAPET ON LOW SIDE IS PLUMB.

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

* ALL BAR SPACING MEASURED ALONG OUTSIDE EDGE OF DECK.

** MEASURED ALONG EDGE OF ROADWAY SLAB

EXISTING SCUPPERS SHALL BE REPLACED, IN KIND,
AT CURRENT LOCATIONS. SEE SHEETS B40 THROUGH B42 FOR DETAILS.

LEGEND

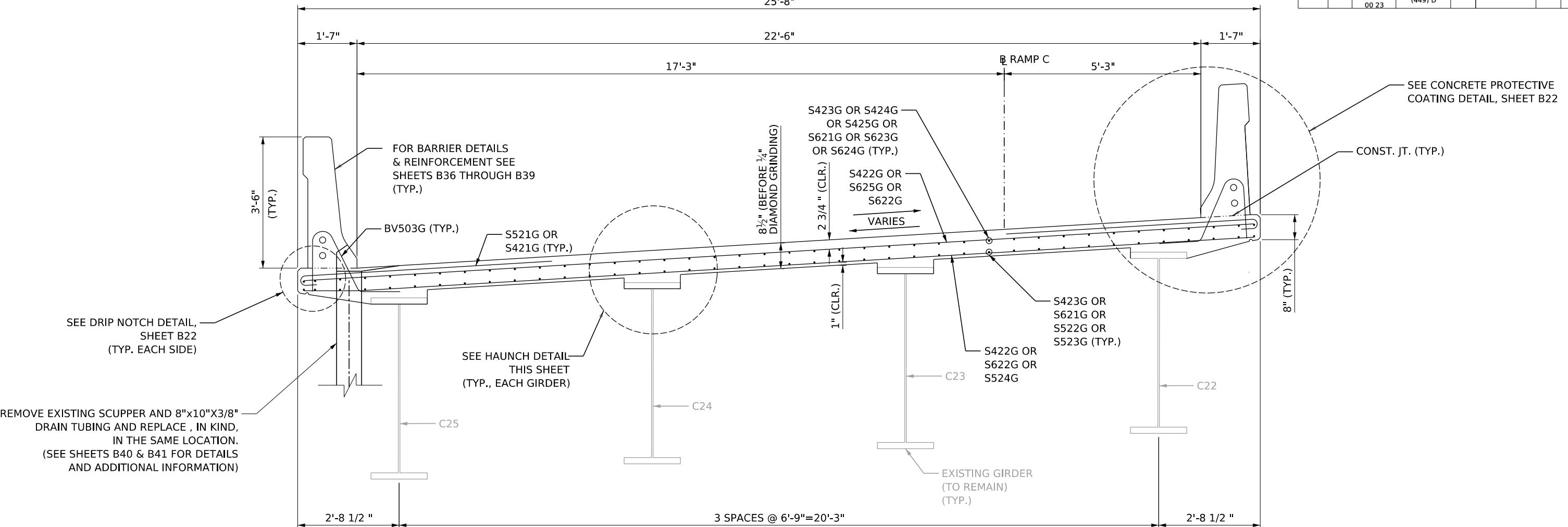
① POUR SEQUENCE

NOTES

1. REINFORCEMENT IN BARRIER IS NOT SHOWN FOR CLARITY.
2. FOR END ZONE REINFORCEMENT AND DETAILS, SEE SHEET B30.

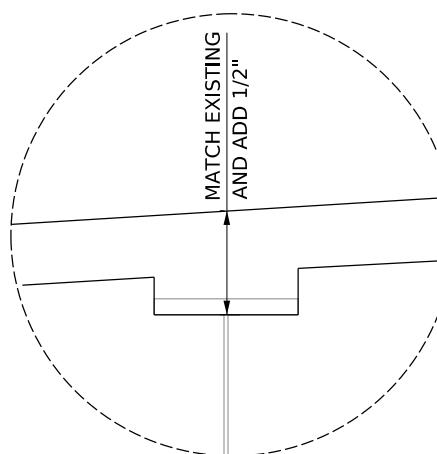
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TYPICAL SECTION

SCALE: 3/4"=1'-0"



SCALE: 1"=1'-0"

CROSS-SLOPE/SUPERELEVATION USED ARE FROM EXISTING PLANS. SURVEY/NEW SUPERELEVATIONS, IF ANY, ARE NOT REFLECTED.

NOTES

1. DRIP NOTCH IS TYPICAL AT ALL DECK OVERHANGS IN EACH SPAN AND RUNS THE FULL LENGTH OF THE DECK.
2. FOR PARAPET DETAILS AND REINFORCEMENT, SEE SHEETS B36 THROUGH B39.
3. PARAPET ON HIGH SIDE IS PERPENDICULAR TO THE DECK.
4. PARAPET ON LOW SIDE IS PLUMB.

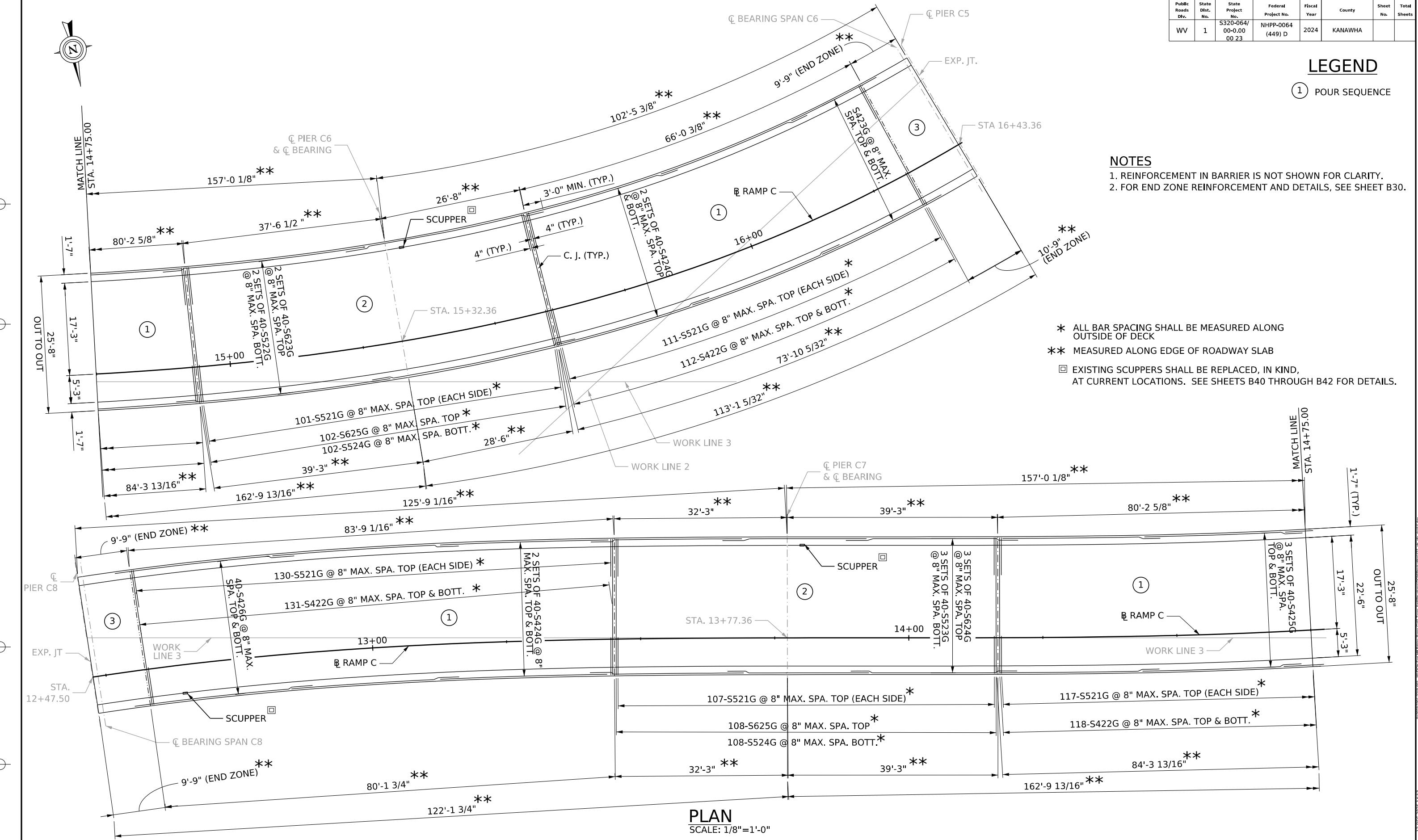
REV. NO.	REVISION	DATE	BY



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LEGEND

1 POUR SEQUENCE



PLAN

DECK PLAN SPANS C6-C7-C8

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
FORT HILL BRIDGE RAMP C

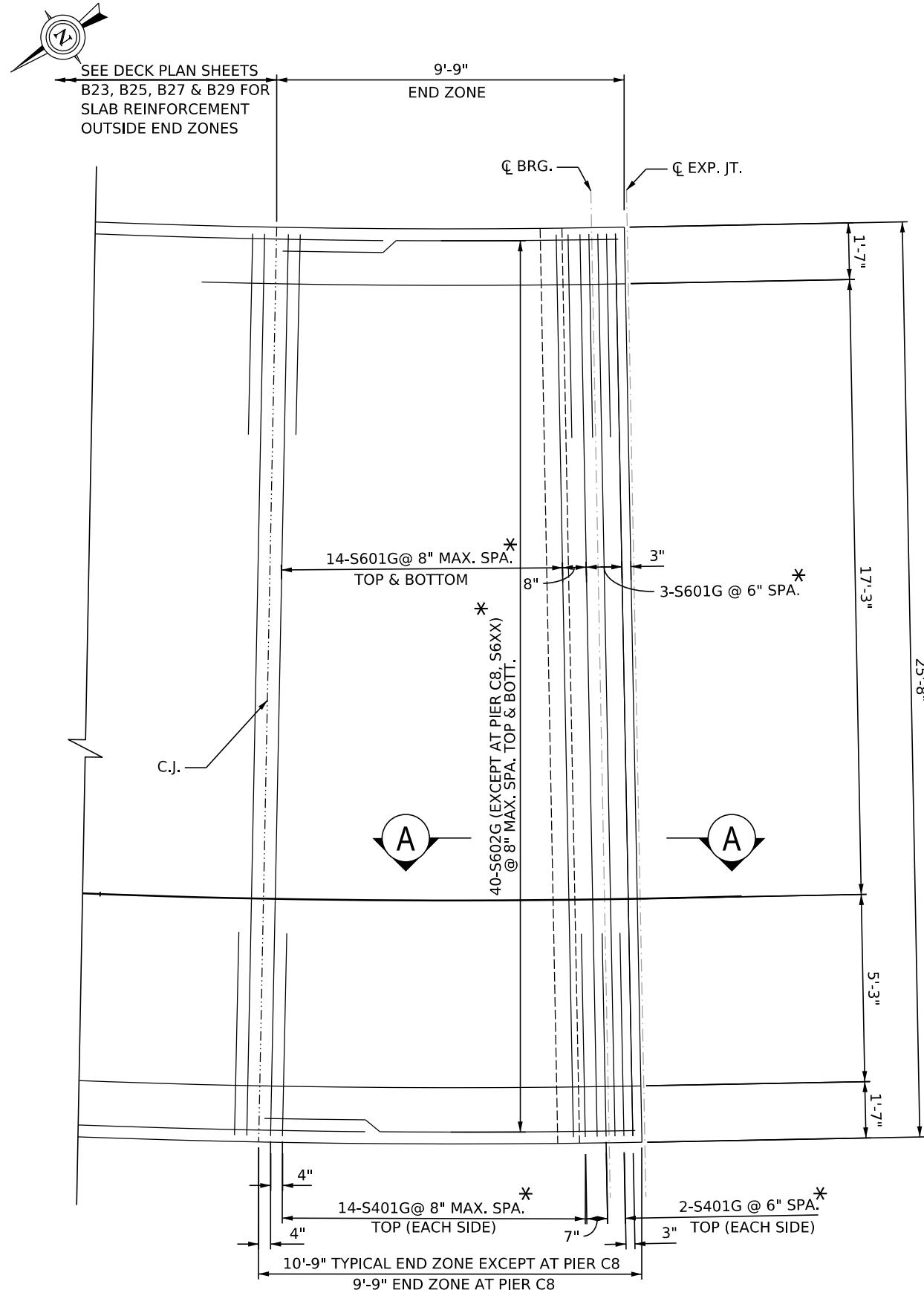
**SHEET
B29 OF B4
BRIDGE NO.
2563.6**



REV. NO.	SHEET NO.	REVISION	DATE

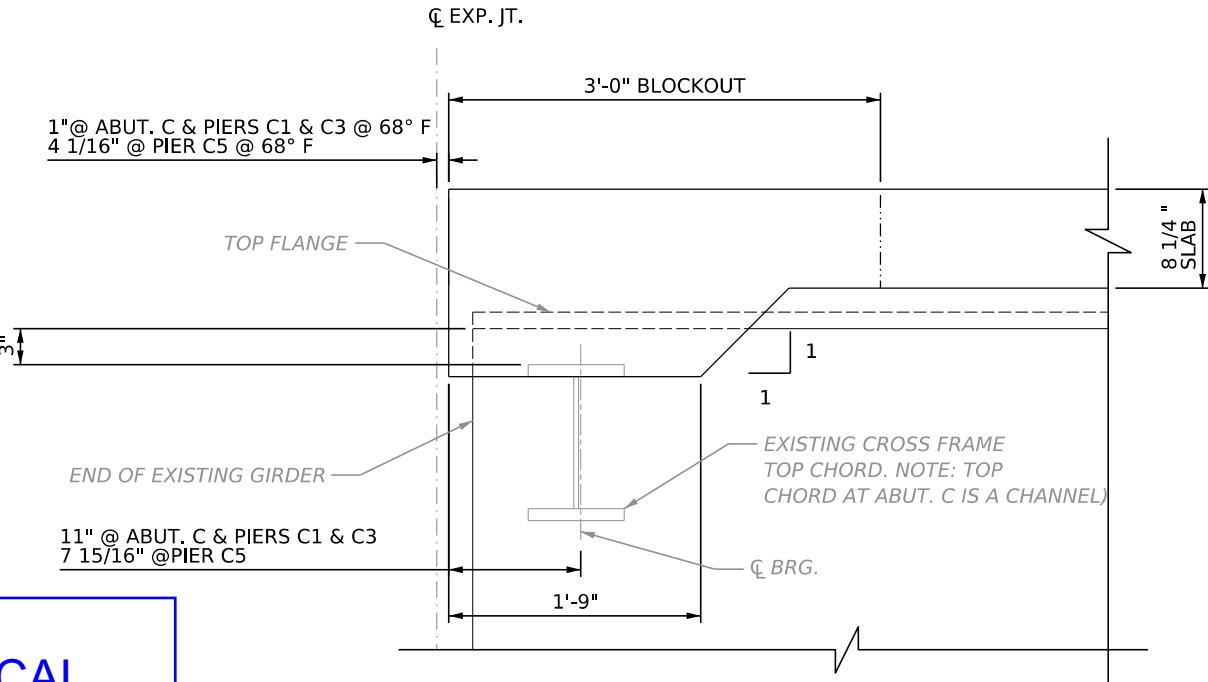
DESIGNED	DRAWN	DATE	
CHECKED	CHECKED		12/2025

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WV	1	S320-064/00-0.0000 23	NHPP-0064 (449) D	2024	KANAWHA		



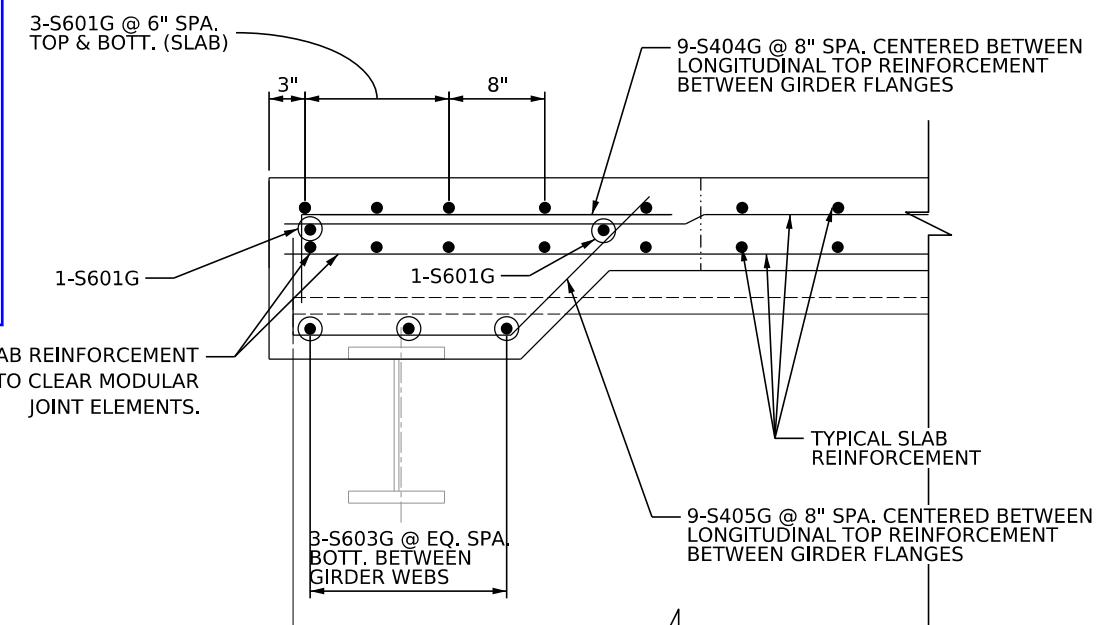
NOTE: END ZONE DETAILS ARE TYPICAL EXCEPT AT ABUTMENT. ABUTMENT WILL BE CONVERTED (BY OTHERS). NEW DETAILS WILL BE REQUIRED. COORDINATION WITH EUGENE CARTER MEMORIAL BRIDGE PROJECT IS REQUIRED.

* ALL BAR SPACING SHALL BE MEASURED ALONG OUTSIDE OF DECK.



SECTION A-A
TYPICAL SLAB END BEAM

SCALE: 1 1/2"=1'-0"
(DETAIL SHOWN IS AT PIER C1, OTHER LOCATIONS SIMILAR)



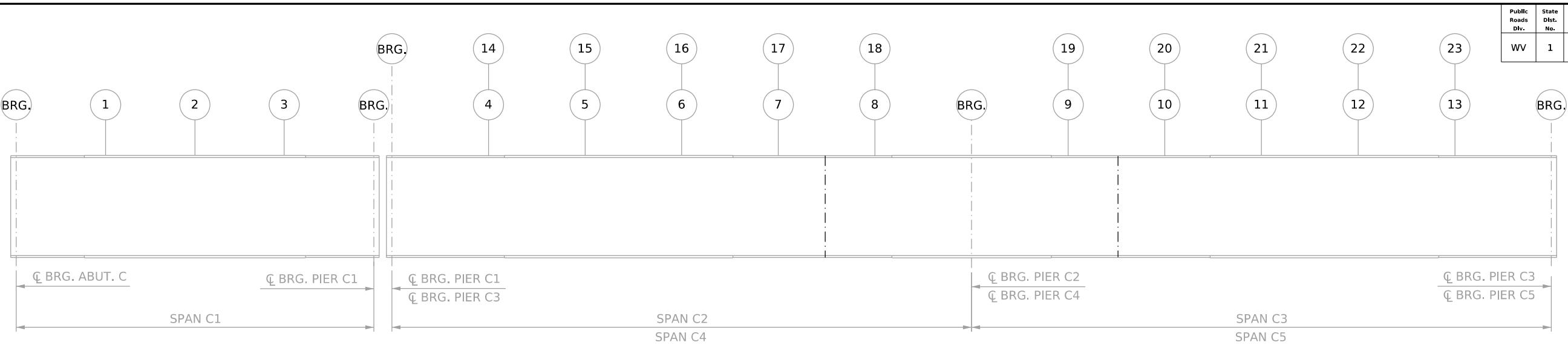
SECTION A-A
TYPICAL SLAB END BEAM REINFORCEMENT

SCALE: 1 1/2"=1'-0"

(FOR SLAB END BEAM DETAILS AND ADDITIONAL REINFORCEMENT AT SLAB END BEAM, SEE SECTION A-A, THIS SHEET)

SLAB END ZONE PLAN

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



POINTS OF TOP OF SLAB ELEVATIONS

NOT TO SCALE

TOP OF SLAB ELEVATIONS (SPAN C1)								
POINT	GIRDER C10		GIRDER C11		GIRDER C12		GIRDER C13	
	ELEVATION	DEF.	ELEVATION	DEF.	ELEVATION	DEF.	ELEVATION	DEF.
CL BRG. ABUT. C	700.192		699.788		699.383		698.978	
1	700.148		699.744		699.339		698.934	
2	700.066		699.662		699.257		698.852	
3	699.948		699.544		699.139		698.734	
CL BRG. PIER C1	699.794		699.390		698.985		698.580	
TOP OF SLAB ELEVATIONS (SPANS C2-C3)								
POINT	GIRDER C14		GIRDER C15		GIRDER C16		GIRDER C17	
	ELEVATION	DEF.	ELEVATION	DEF.	ELEVATION	DEF.	ELEVATION	DEF.
CL BRG. PIER C1	699.099		699.099		699.099		699.099	
4	698.889		698.889		698.889		698.889	
5	698.639		698.639		698.639		698.639	
6	698.346		698.346		698.346		698.346	
7	698.013		698.013		698.013		698.013	
8	687.636		687.636		687.636		687.636	
CL BRG. PIER C2	697.224		697.224		697.224		697.224	
9	696.767		696.767		696.767		696.767	
10	696.270		696.270		696.270		696.270	
11	695.731		695.731		695.731		695.731	
12	695.151		695.151		695.151		695.151	
13	694.531		694.531		694.531		694.531	
CL BRG. PIER C3	693.869		693.869		693.869		693.869	
TOP OF SLAB ELEVATIONS (SPANS C4-C5)								
POINT	GIRDER C18		GIRDER C19		GIRDER C20		GIRDER C21	
	ELEVATION	DEF.	ELEVATION	DEF.	ELEVATION	DEF.	ELEVATION	DEF.
CL BRG. PIER C3	693.765		693.765		693.765		693.765	
14	693.056		693.056		693.056		693.056	
15	692.306		692.306		692.306		692.306	
16	691.515		691.515		691.515		691.515	
17	690.683		690.683		690.683		690.683	
18	689.829		689.829		689.829		689.829	
CL BRG. PIER C4	688.975		688.975		688.975		688.975	
19	688.121		688.121		688.121		688.121	
20	687.268		687.268		687.268		687.268	
21	686.414		686.414		686.414		686.414	
22	685.560		685.560		685.560		685.560	
23	684.707		684.707		684.707		684.707	
CL BRG. PIER C5	683.853		683.853		683.853		683.853	

1. DEFLECTIONS SHOWN ARE DUE TO CONCRETE.
2. ELEVATIONS AND DEFLECTIONS ARE SHOWN IN FEET.
3. ELEVATIONS AND DEFLECTIONS ARE SHOWN AT DIAPHRAGM POINTS OF GIRDER CROSSING.
4. ELEVATIONS SHOWN ARE FROM THE EXISTING PLANS. 1/2" SHALL BE ADDED TO THE VALUES SHOWN IN THE TABLE.

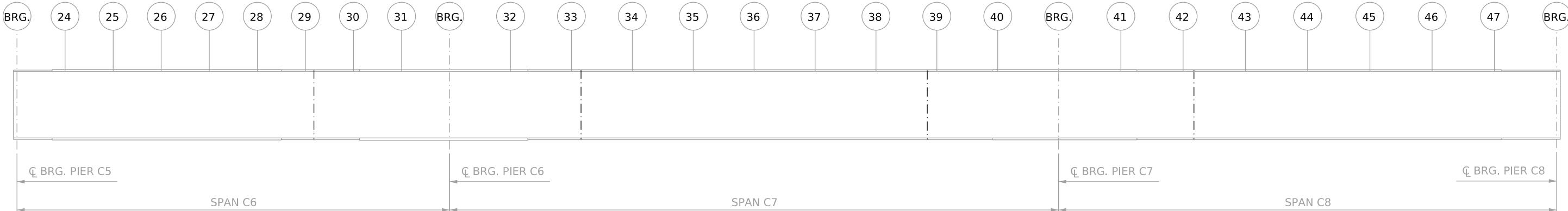
ALL ELEVATIONS SHOWN ARE FROM EXISTING PLANS PER ORIGINAL SCOPE OF WORK. SURVEY/NEW SUPER ELEVATIONS, IF ANY, ARE NOT REFLECTED.

ELEVATIONS SHOWN DOES NOT
REFLECT ADDITIONAL DECK
THICKNESS AT THIS TIME.

NOTE

- 1. FOR ADDITIONAL DETAILS SEE THE EXISTING BRIDGE PLANS DATED 1972.**

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POINTS OF TOP OF SLAB ELEVATIONS

NOT TO SCALE

POINT	TOP OF SLAB ELEVATIONS (SPANS C6-C7-C8)							
	GIRDER C22		GIRDER C23		GIRDER C24		GIRDER C25	
	ELEVATION	DEF.	ELEVATION	DEF.	ELEVATION	DEF.	ELEVATION	DEF.
CL BRG. PIER C5	684.390		683.986		683.986		683.176	
24	683.602		683.198		683.198		682.388	
25	682.813		682.409		682.409		681.599	
26	682.025		681.621		681.621		680.811	
27	681.233		680.835		680.835		680.040	
28	680.429		680.056		680.056		679.309	
29	679.626		679.278		679.278		678.581	
30	678.823		678.499		678.499		677.853	
31	678.019		677.720		677.720		677.122	
CL BRG. PIER C6	677.215		676.941		676.941		676.393	
32	676.196		675.954		675.954		675.469	
33	675.178		674.967		674.967		674.544	
34	674.159		673.979		673.979		673.620	
35	673.140		672.991		672.991		672.694	
36	672.120		672.004		672.004		671.770	
37	671.102		671.017		671.017		670.845	
38	670.083		670.029		670.029		669.921	
39	669.064		669.041		669.041		668.995	
40	668.050		668.050		668.050		668.050	
CL BRG. PIER C7	667.030		667.065		667.065		667.135	
41	665.965		666.042		666.042		666.194	
42	664.901		665.019		665.019		665.254	
43	663.841		664.000		664.000		664.317	
44	662.841		663.041		663.041		663.441	
45	661.922		662.162		662.162		662.643	
46	661.083		661.364		661.364		661.927	
47	660.324		660.646		660.646		661.292	
CL BRG. PIER C8	659.645		660.008		660.008		660.736	

- DEFLECTIONS SHOWN ARE DUE TO CONCRETE.
- ELEVATIONS AND DEFLECTIONS ARE SHOWN IN FEET.
- ELEVATIONS AND DEFLECTIONS ARE SHOWN AT DIAPHRAGM POINTS OF GIRDER CROSSING.
- ELEVATIONS SHOWN ARE FROM THE EXISTING PLANS. 1/2" SHALL BE ADDED TO THE VALUES SHOWN IN THE TABLE.

ELEVATIONS SHOWN ARE FROM EXISTING PLANS PER ORIGINAL SCOPE OF WORK. SURVEY/NEW SUPERELEVATIONS, IF ANY, ARE NOT REFLECTED.

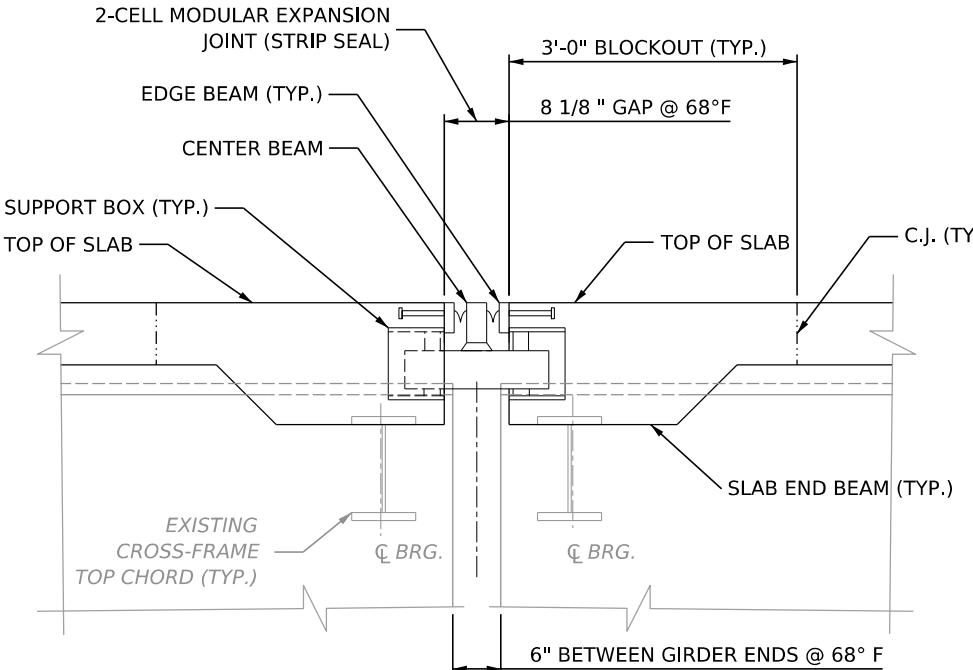
ELEVATIONS SHOWN DOES NOT REFLECT ADDITIONAL DECK THICKNESS AT THIS TIME.

NOTE

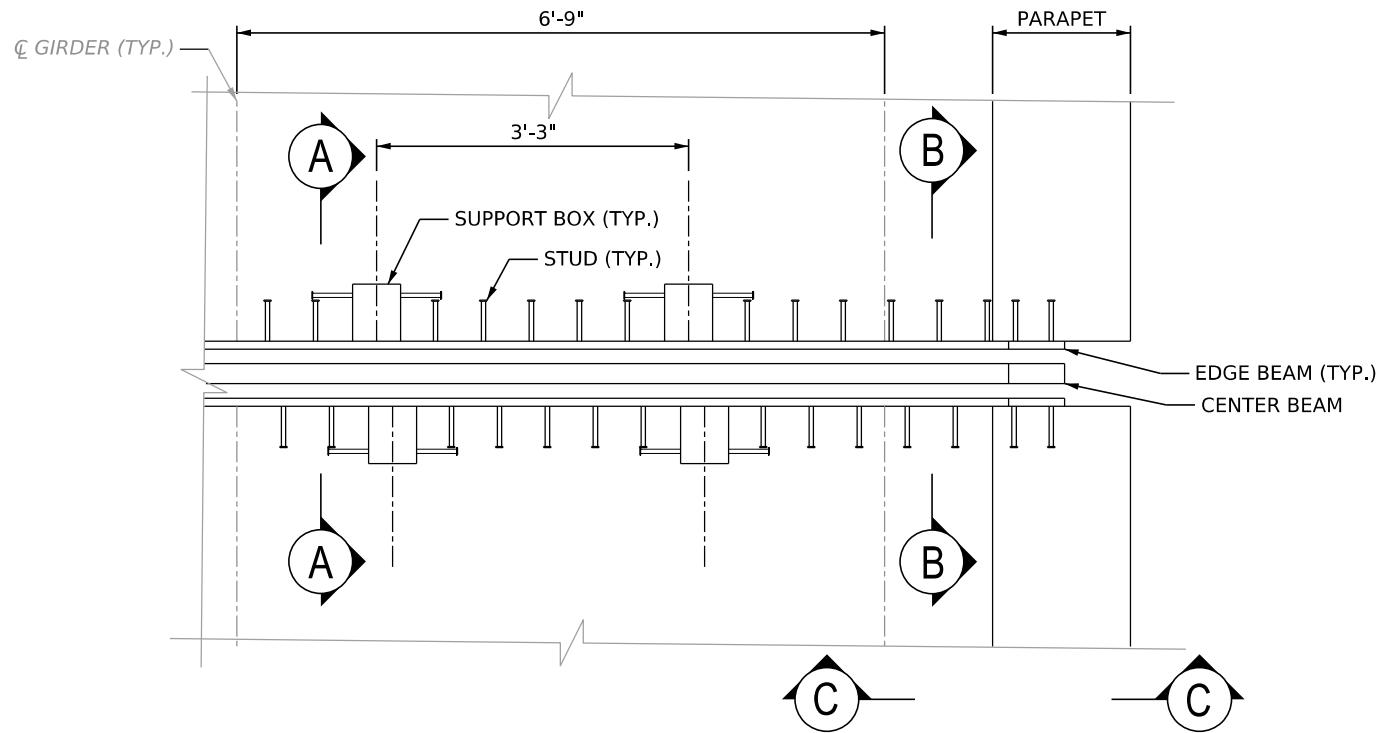
- FOR ADDITIONAL DETAILS SEE THE EXISTING BRIDGE PLANS DATED 1972.

REV. NO.	SHEET NO.	REVISION	DATE	BY	TERRADON TERRADON CORPORATION NITRO, WEST VIRGINIA PHONE: 304-755-8291 FAX: 304-755-2636	DESIGNED	DRAWN	DATE 12/2025	TOP OF SLAB ELEVATIONS SPANS C6-C7-C8	THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS FORT HILL BRIDGE RAMP C	SHEET B33 OF B42
						CHECKED	CHECKED				BRIDGE NO. 2563.6

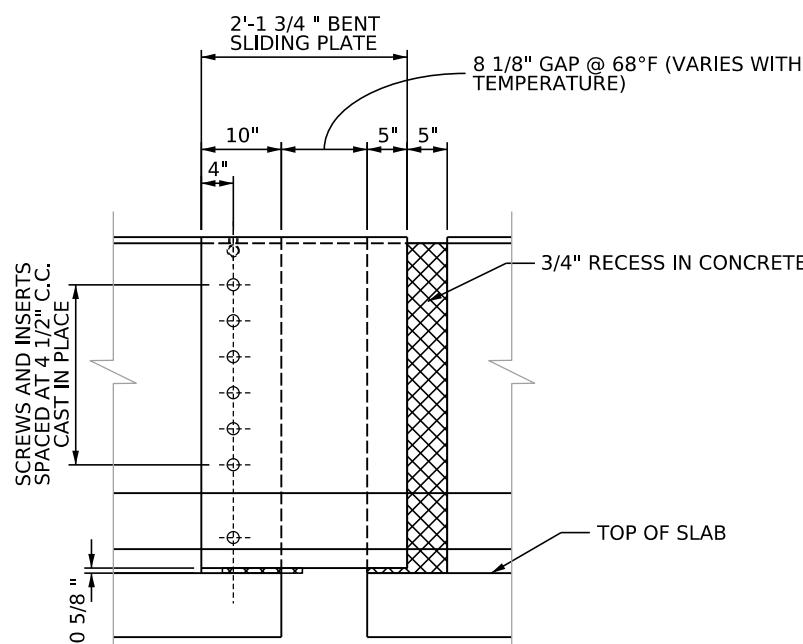
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SECTION A-A
MODULAR EXPANSION JOINT @ PIER C5
 NOT TO SCALE (SEE NOTES, THIS SHEET)

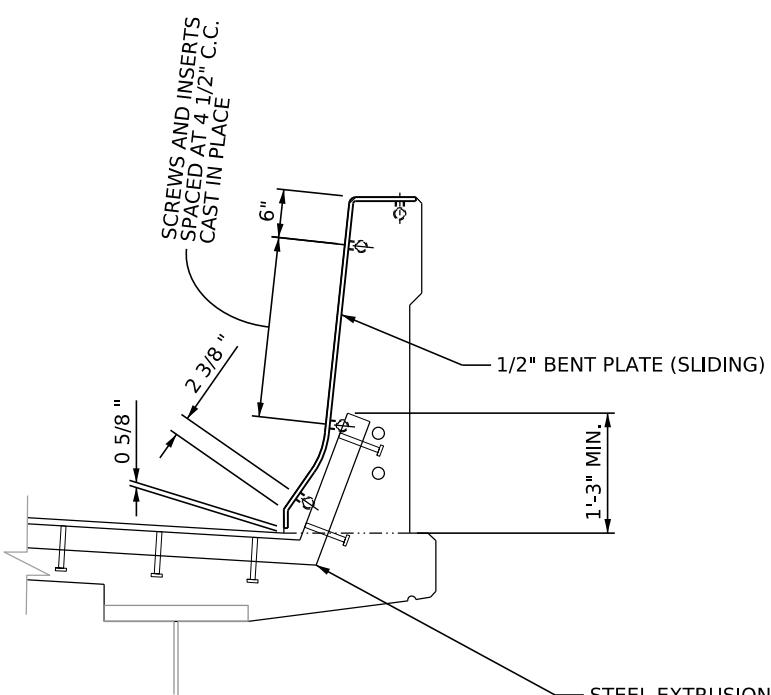


CONCEPTUAL PARTIAL PLAN
 NOT TO SCALE (SEE NOTES, THIS SHEET)



NOTE: FORM CONCRETE RECESS AREA IN PARAPET AND GRIND TO PROVIDE SMOOTH SURFACE. APPLY ONE COAT OF ASPHALT CEMENT PAINT WA-1 OR PERFORMANCE GRADED ASPHALT CEMENT PG 64-22 TO ALLOW BENT SLIDING PLATE TO MOVE FREELY WITHOUT FRICTION.

VIEW B-B
 SCALE: 1"=1'-0"



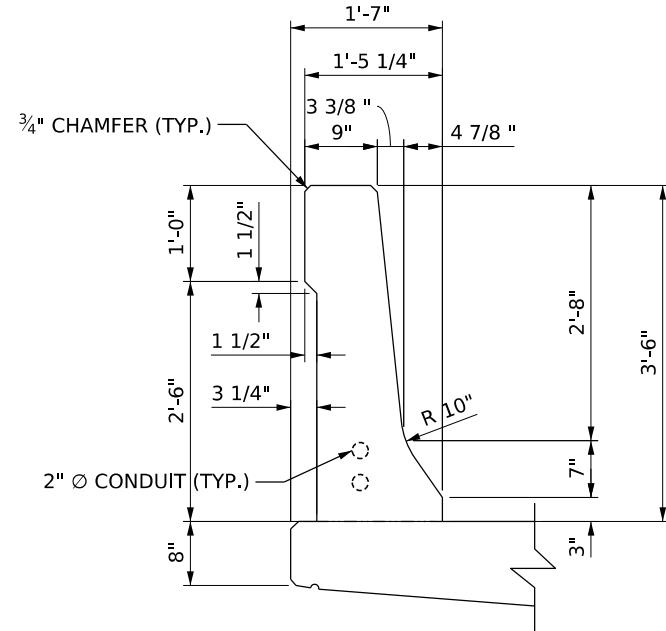
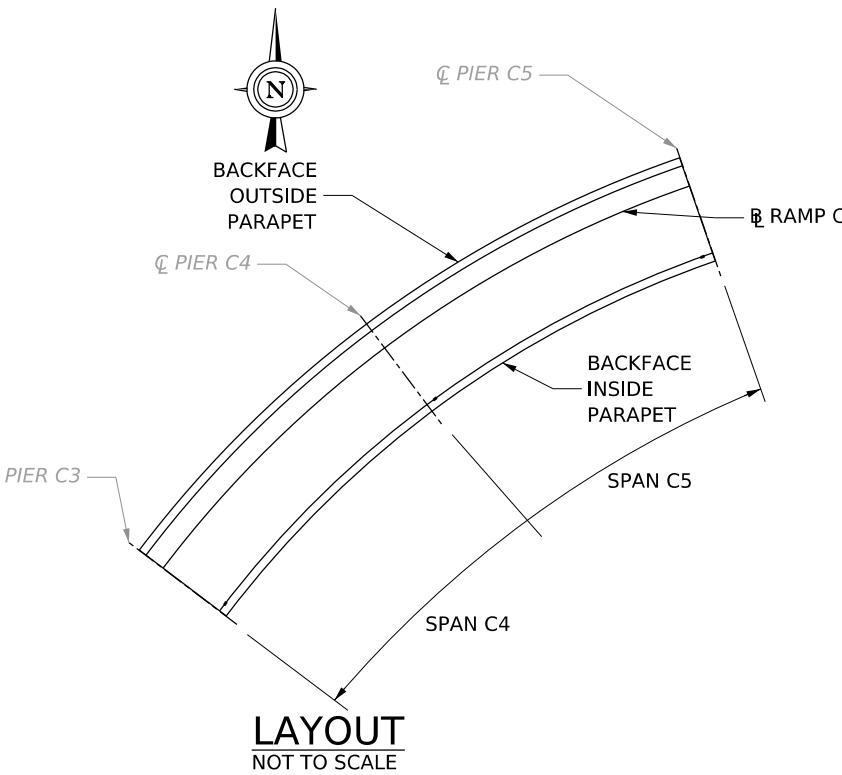
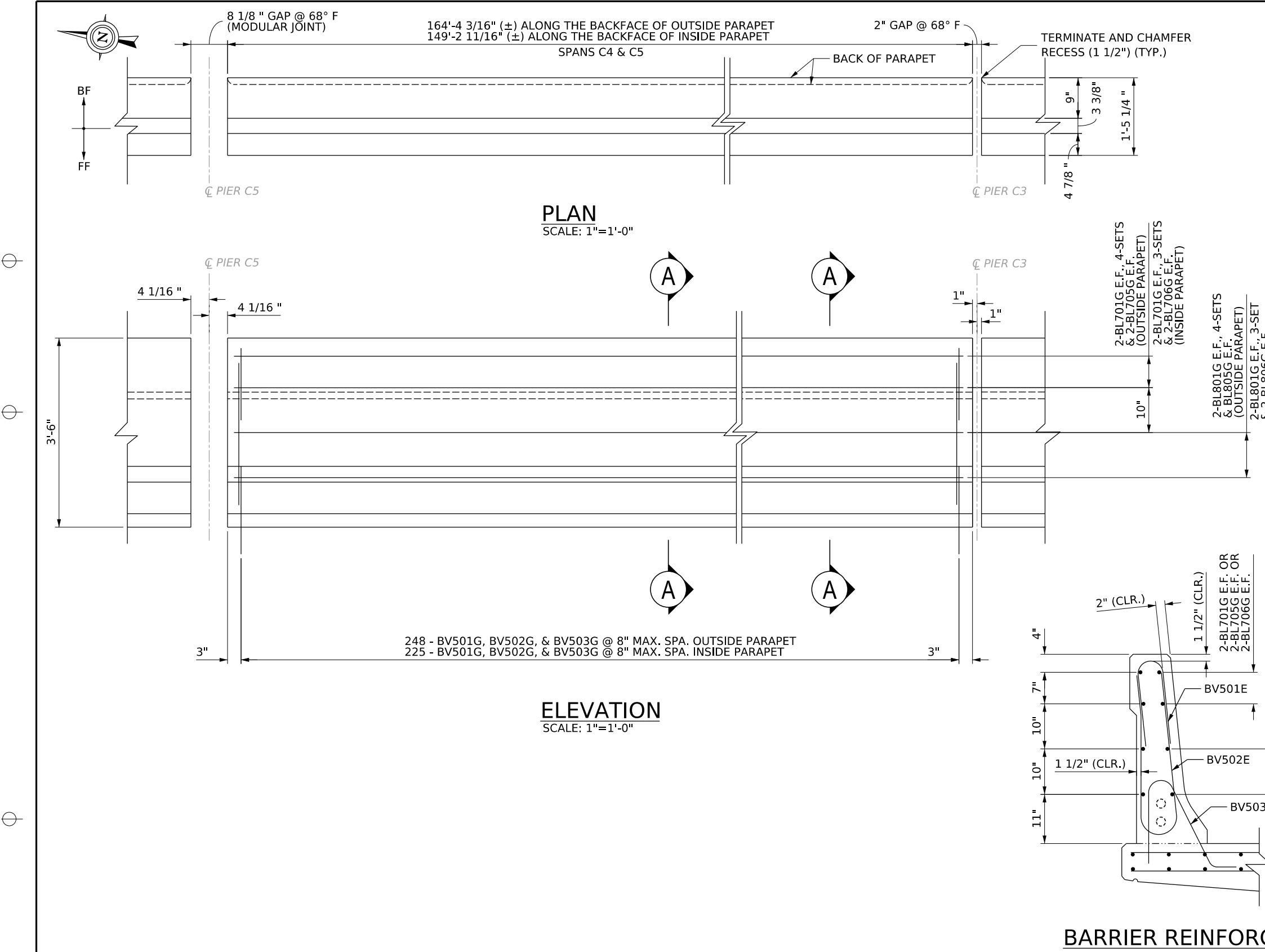
SECTION C-C
 SCALE: 1"=1'-0"

NOTES

1. CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND FINAL DETAILS OF THE MODULAR EXPANSION JOINT AT PIER C5, IN ACCORDANCE TO SPECIAL PROVISION 627, MODULAR EXPANSION JOINT SYSTEM.
2. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND SUPPORTING CALCULATIONS TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION IN ACCORDANCE TO SPECIAL PROVISION 627, MODULAR EXPANSION JOINT SYSTEM. THE SHOP DRAWINGS AND CALCULATIONS SHALL BE PREPARED, SEALED AND SIGNED BY A PROFESSIONAL ENGINEER, REGISTERED IN THE STATE OF WEST VIRGINIA, AND EMPLOYED BY THE CONTRACTOR/FABRICATOR.

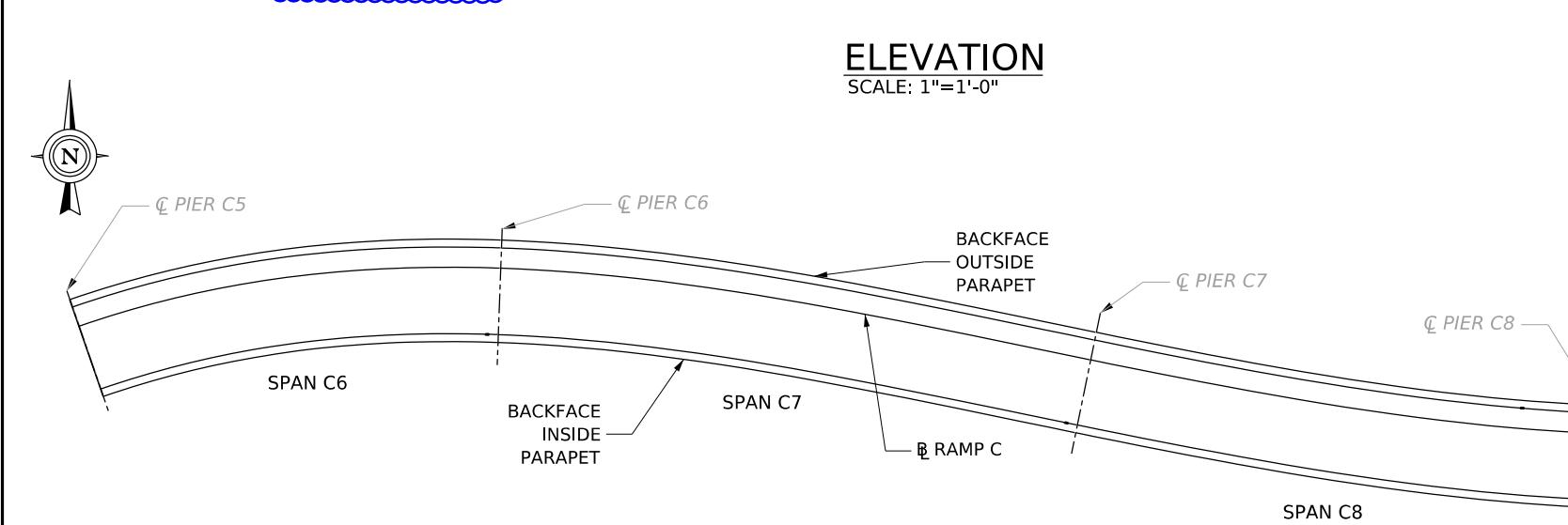
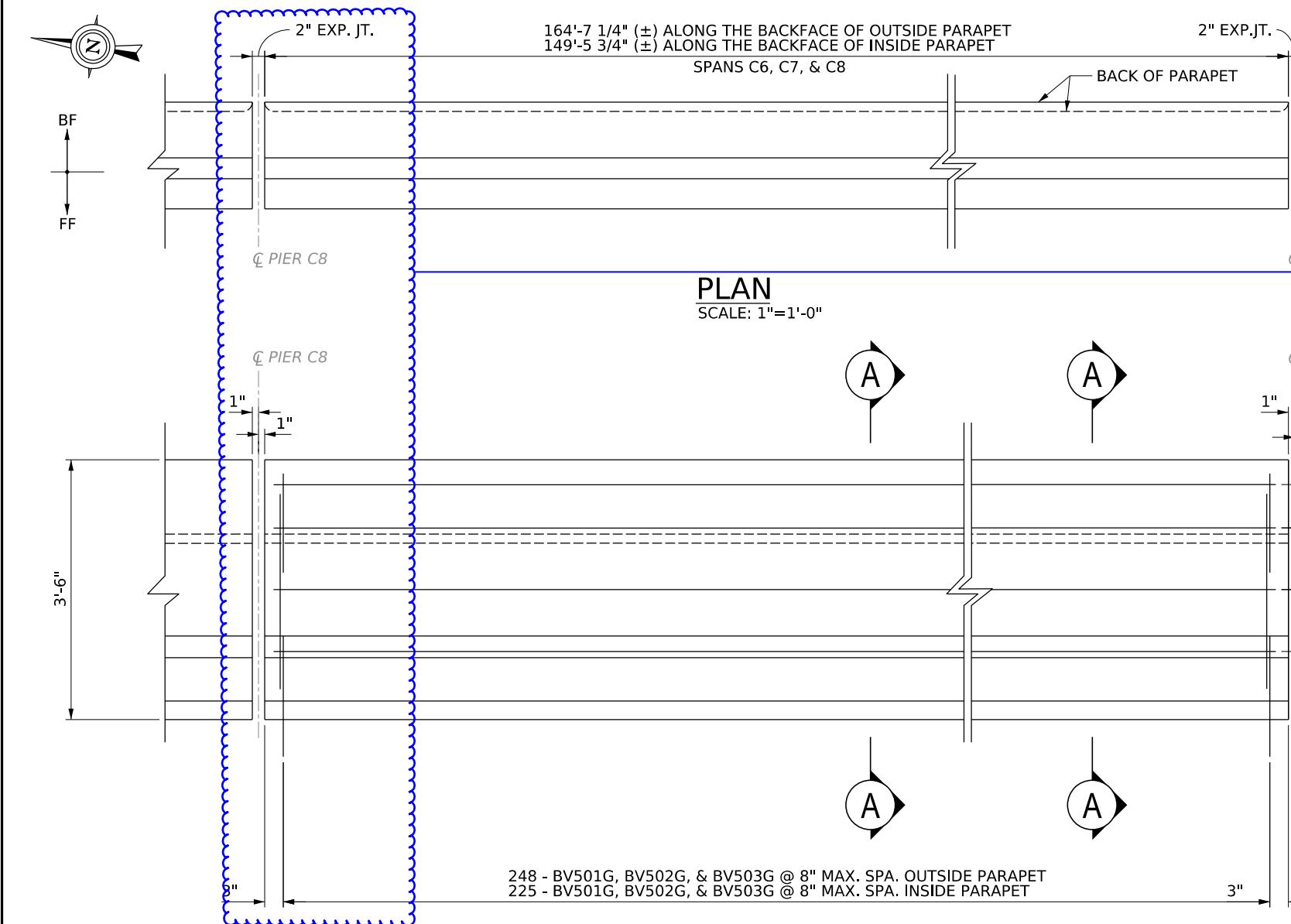
REV. NO.	SHEET NO.	REVISION	DATE	BY

Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
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**NOTE:
COORDINATION
WITH EUGENE
CARTER MEMORIAL
BRIDGE PROJECT IS
REQUIRED**



LAYOUT
NOT TO SCALE

REV. NO.	SHEET NO.	REVISION	DATE	BY

TERRADON
TERRADON CORPORATION
NITRO, WEST VIRGINIA
PHONE: 304-755-8291
FAX: 304-755-2636

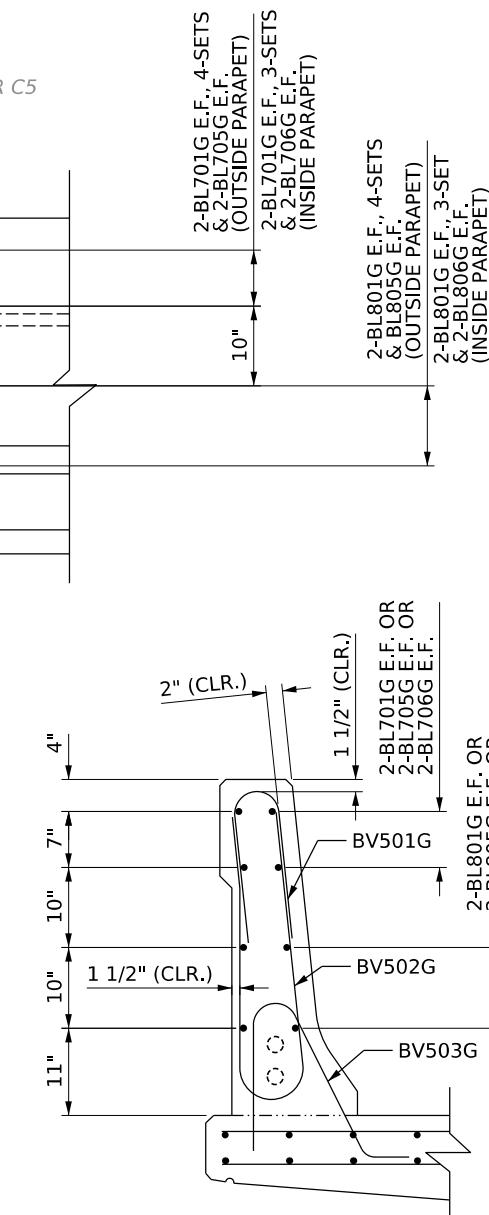
DESIGNED DRAWN
CHECKED CHECKED

DATE
12/2025

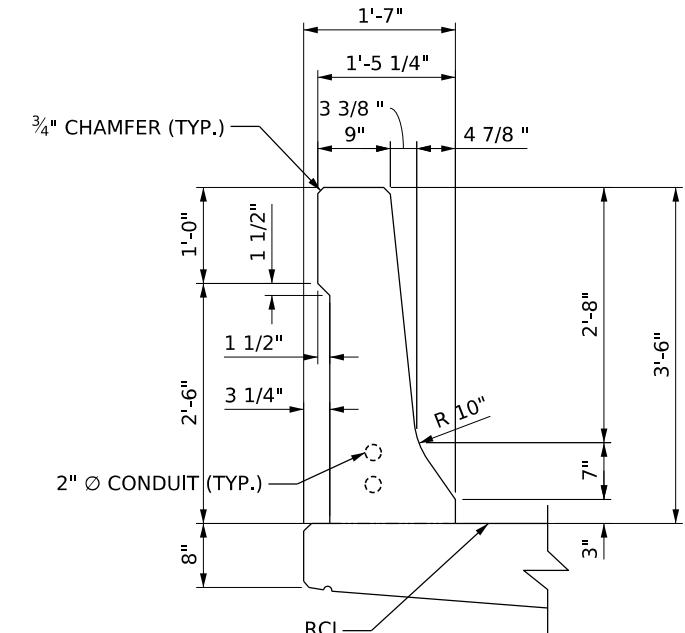
**BARRIER REINFORCEMENT DETAILS
SPANS C6-C7-C8**

**THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
FORT HILL BRIDGE RAMP C**

**SHEET
B39 OF B42
BRIDGE NO.
2563.6**



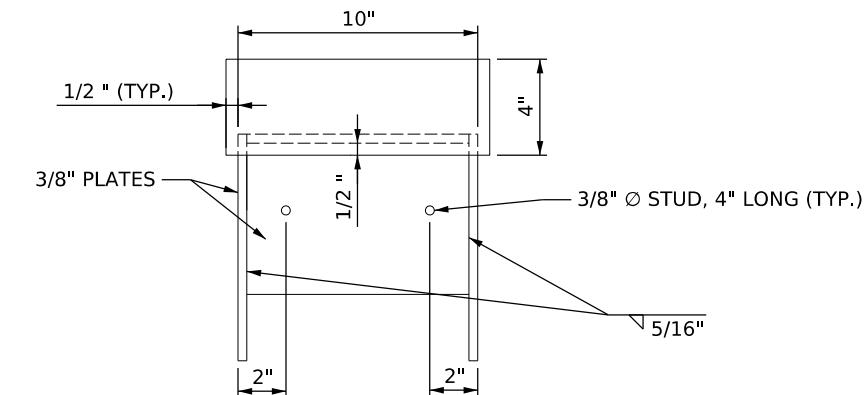
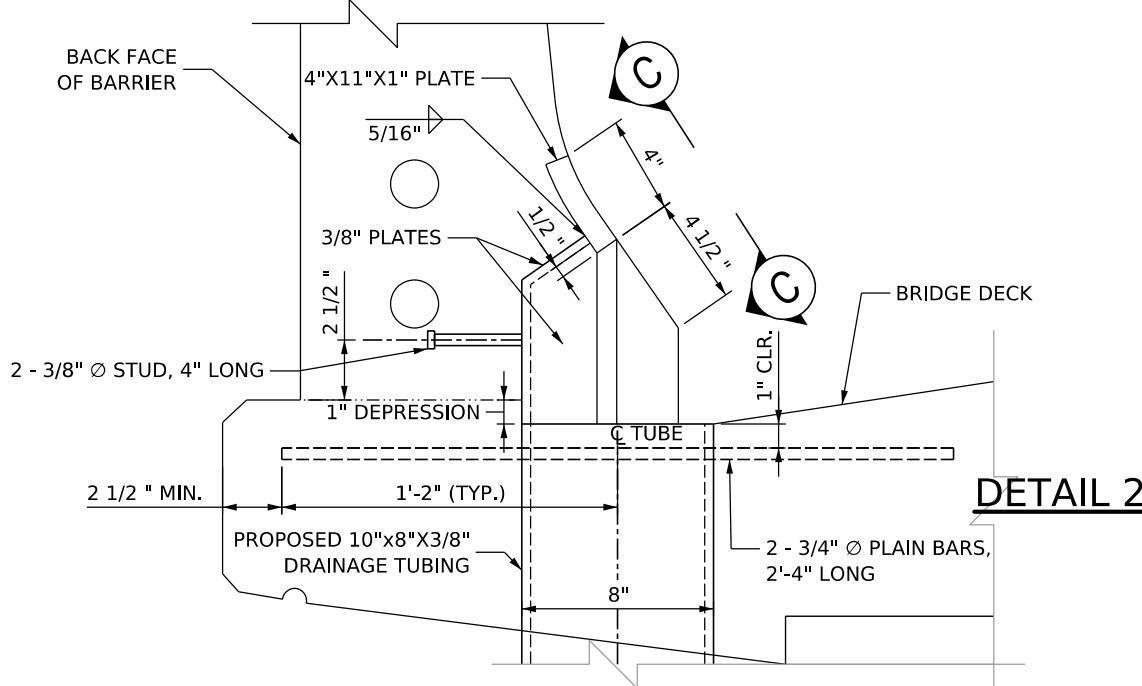
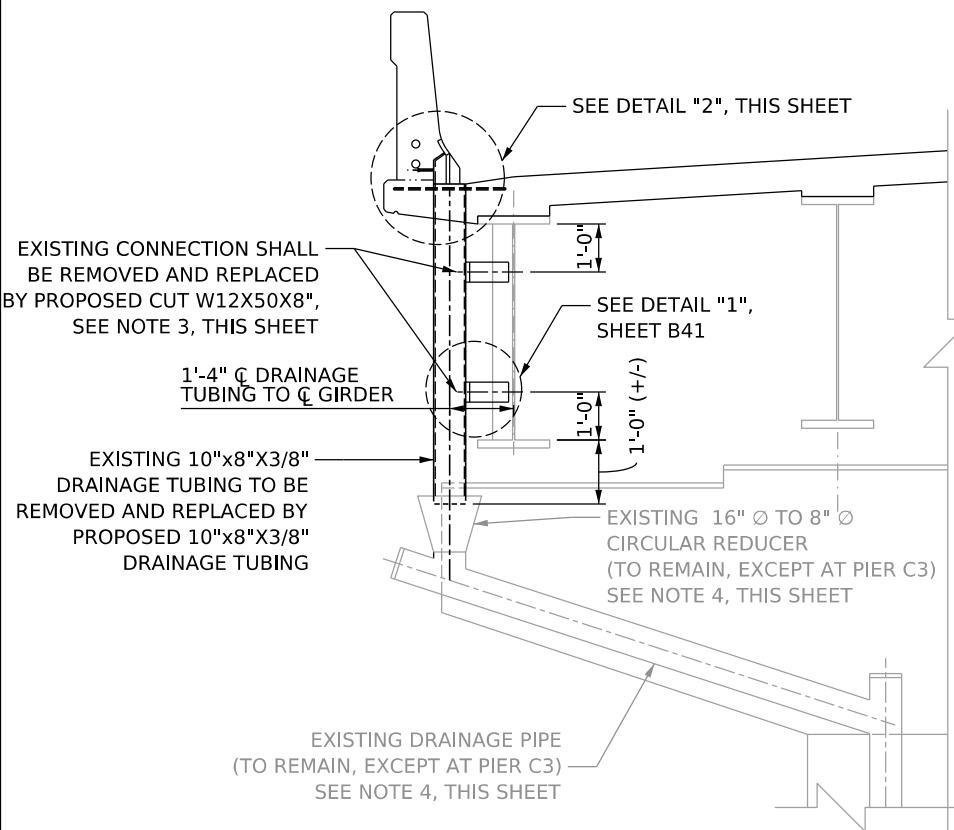
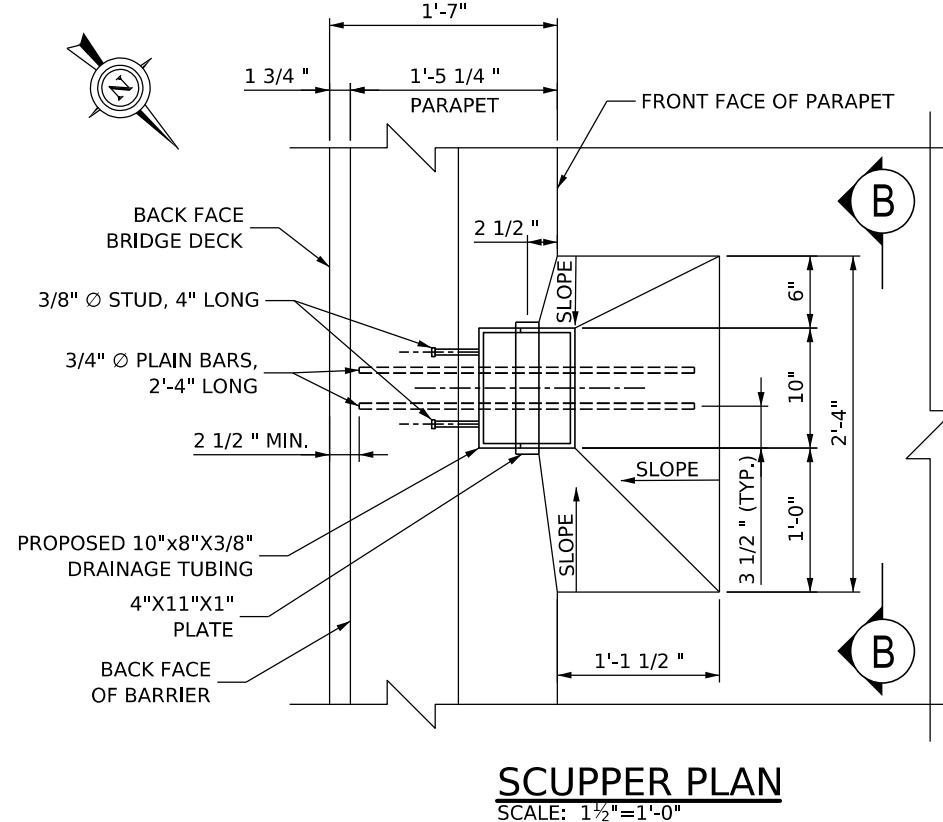
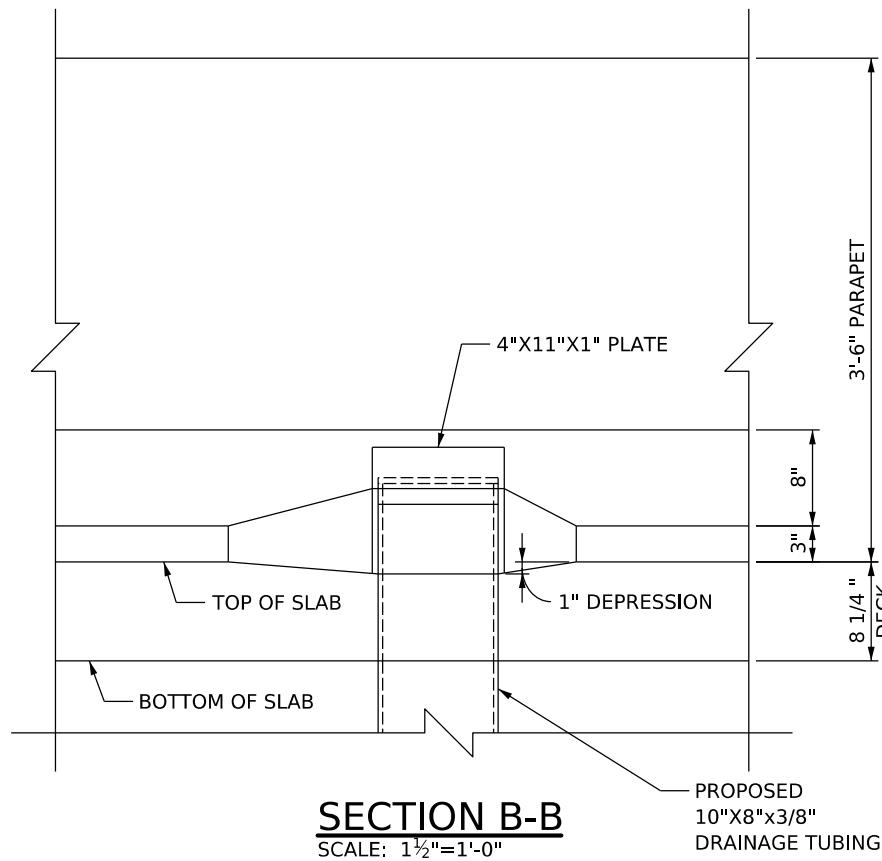
BARRIER REINFORCING



BARRIER DETAIL

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

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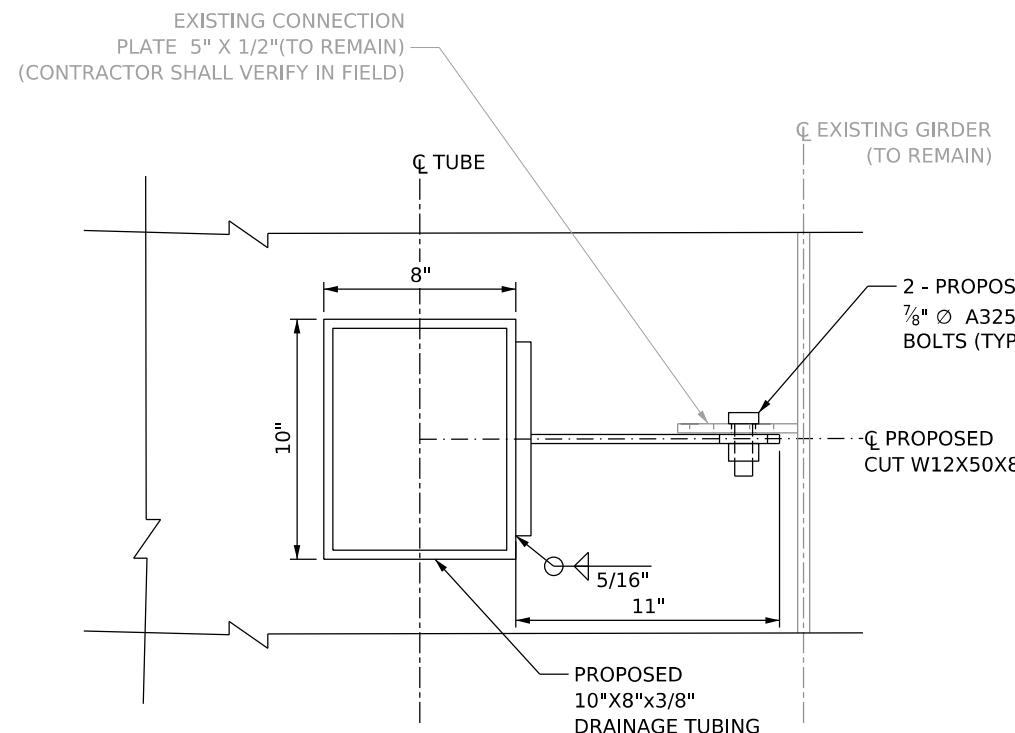


NOTES

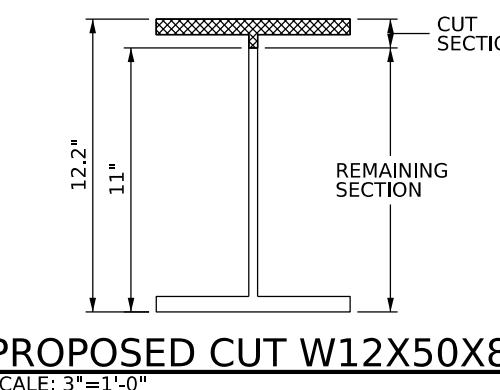
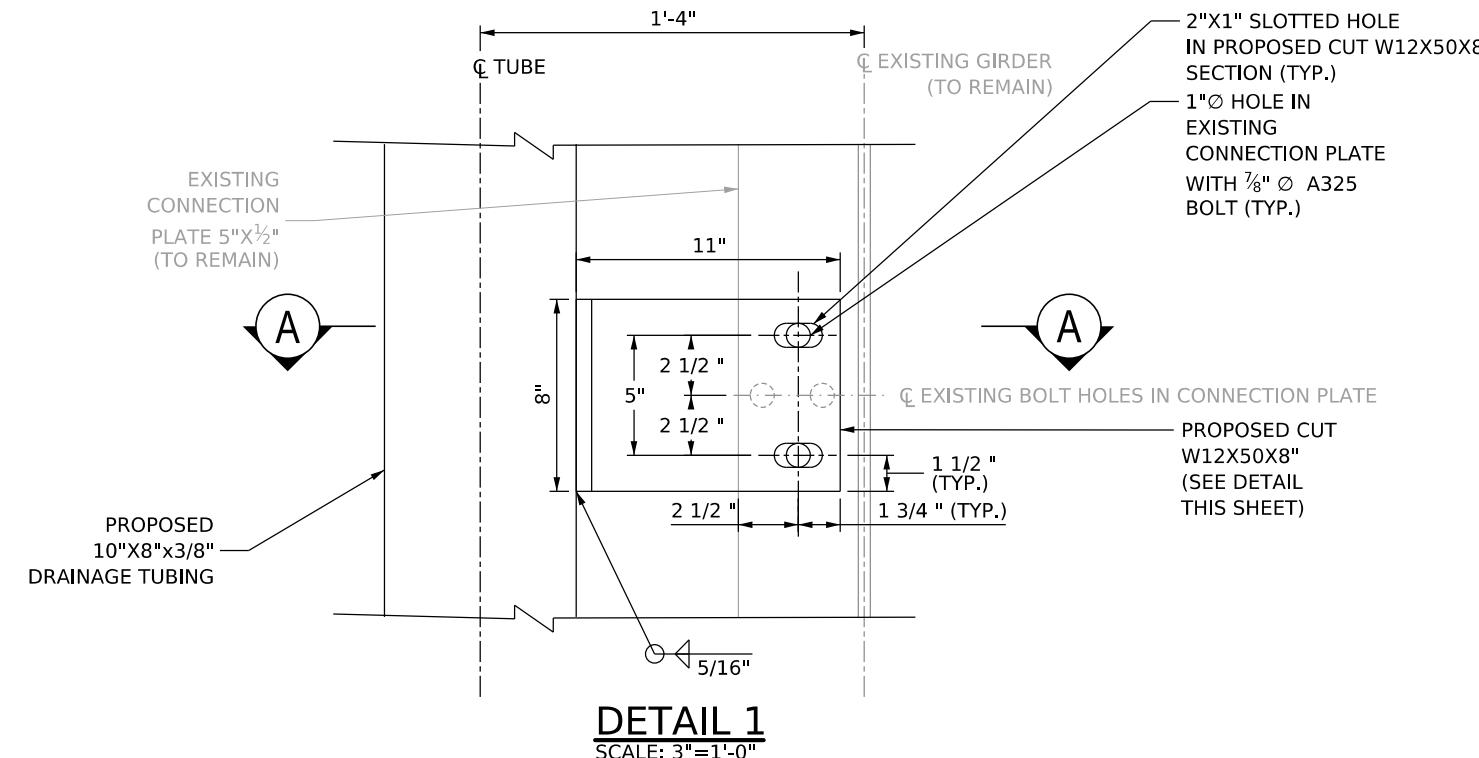
1. ALL DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION.
2. ALL EXISTING SCUPPERS IN DECK AND PARAPET, AND THE DRAINAGE TUBING CONNECTED TO IT, SHALL BE REMOVED AND REPLACED IN PLACE, IN KIND.
3. ALL EXISTING BRACKETS CONNECTED TO THE GIRDER CONNECTION PLATES SHALL BE REMOVED AND REPLACED PER THE DETAILS ON SHEET B41. NEW BRACKETS SHALL BE INSTALLED BY CENTERING THE NEW BRACKETS VERTICALLY ALONG THE C OF THE EXISTING BOLT HOLES.
4. EXISTING DRAINAGE PIPE, CIRCULAR REDUCER, AND CONNECTION BRACKETS SHALL REMAIN AT ALL LOCATIONS EXCEPT AT PIER C3. SEE SHEET B42 FOR PIER C3 DRAINAGE DETAILS.

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SECTION A-A
SCALE: 3"=1'-0"

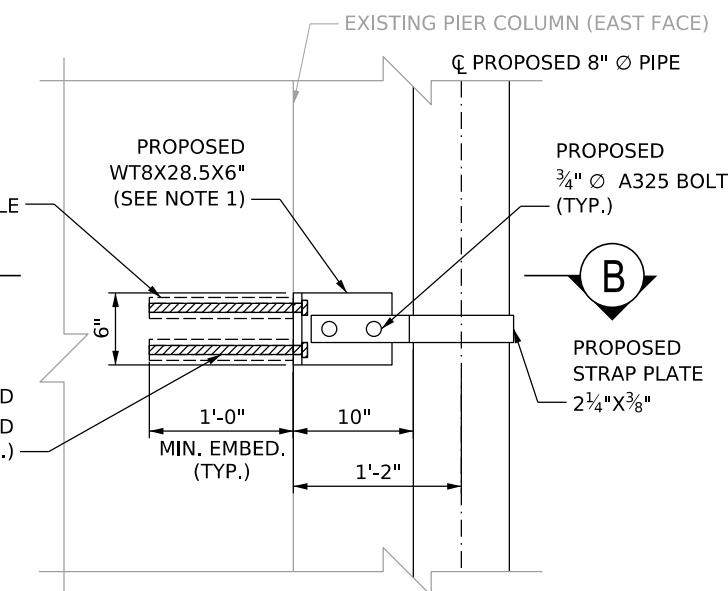
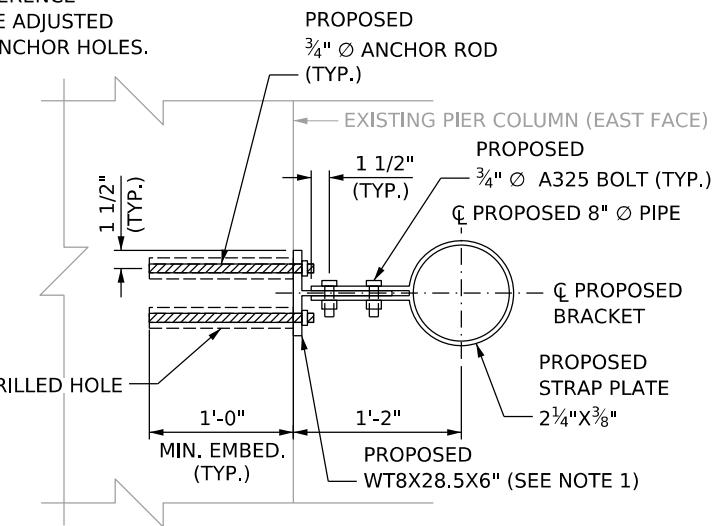
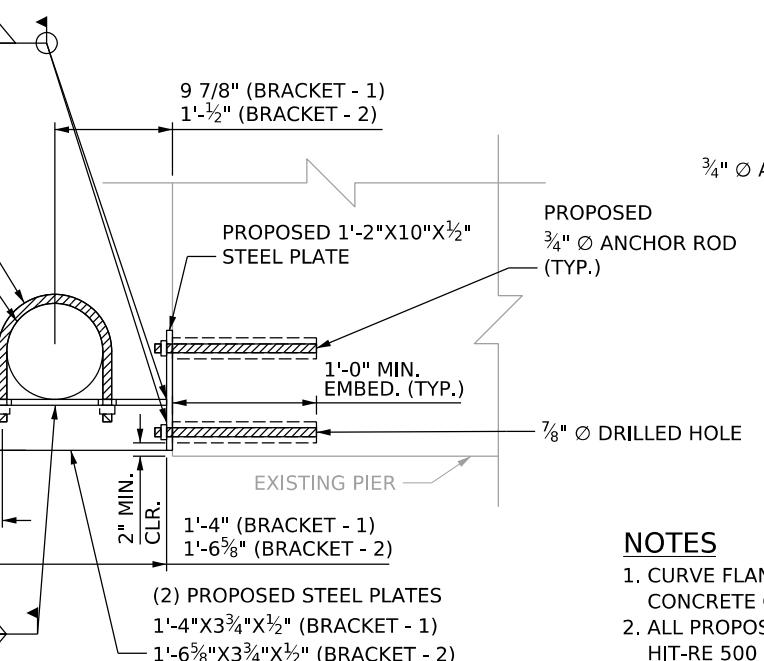
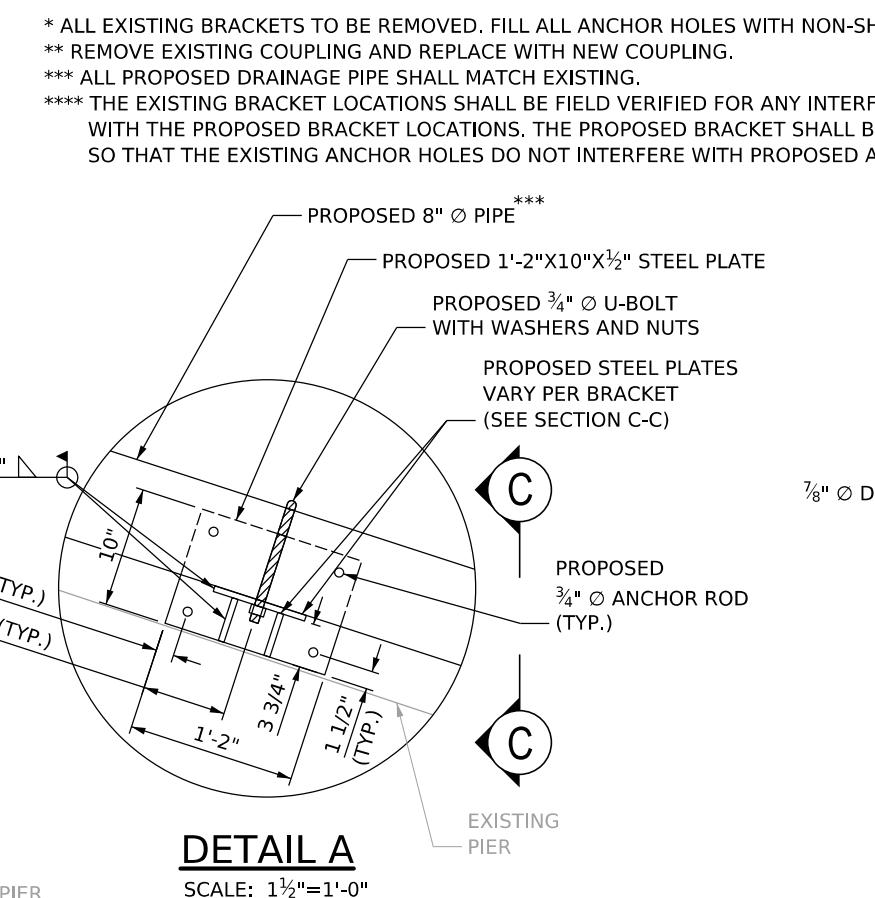
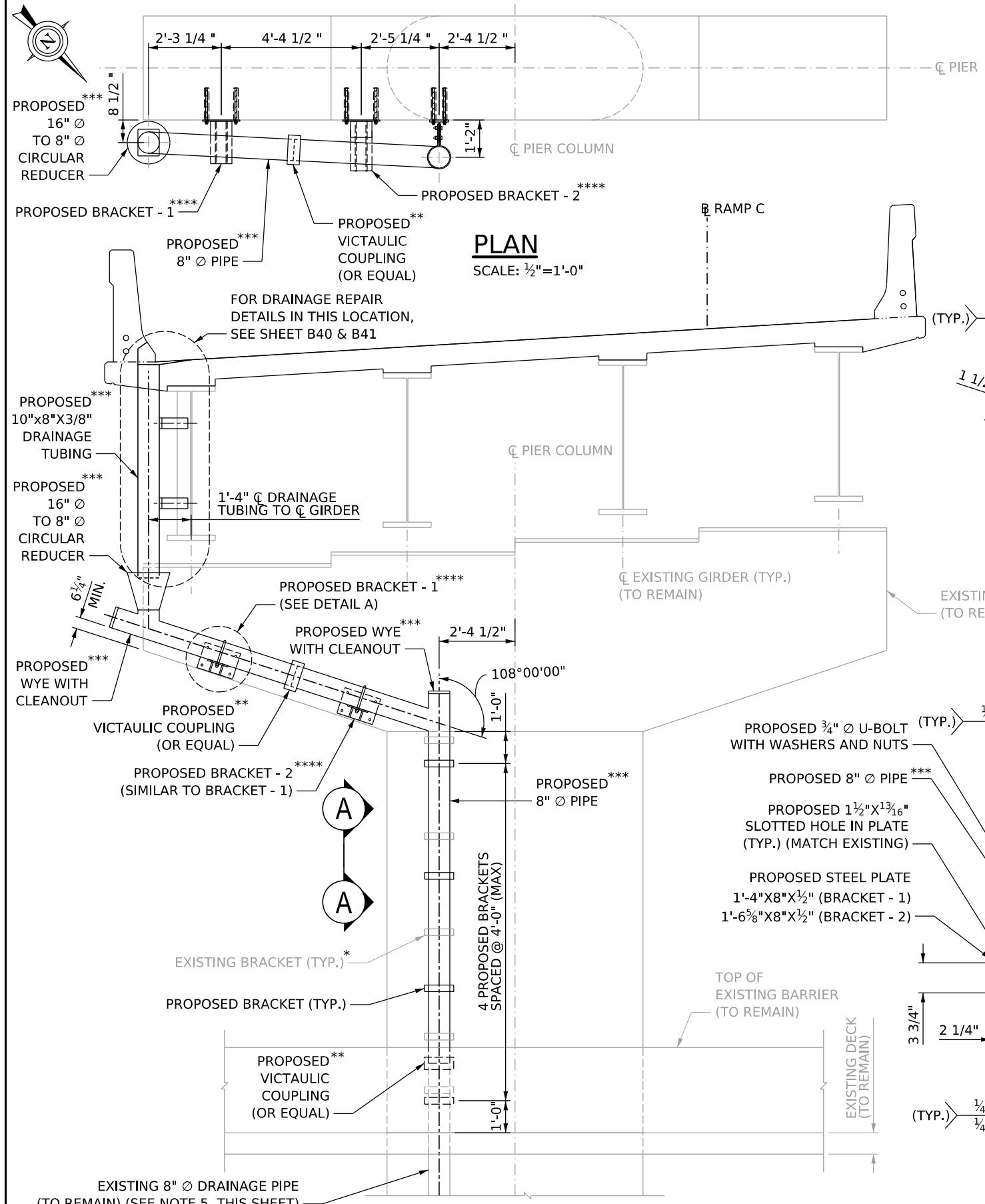


NOTE

1. ALL DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION.

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- NOTES**
1. CURVE FLANGE OF PROPOSED BRACKET TO MATCH THE SURFACE OF THE EXISTING CONCRETE COLUMN.
 2. ALL PROPOSED DRILLED HOLES IN THE CONCRETE SHALL BE FILLED WITH HILTI EPOXY HIT-RE 500 OR AN EQUAL EQUIVALENT.
 3. MATERIAL FOR THE PROPOSED CONCRETE ANCHOR RODS SHALL BE ASTM F1554, GRADE 36.
 4. ALL DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION.
 5. EXISTING DRAINAGE PIPE, DESIGNATED TO REMAIN, MAY HAVE SLIGHTLY SHIFTED FROM ITS ORIGINAL AS-BUILT POSITION. CONTRACTOR SHALL ADJUST AND LATERALLY SUPPORT THE EXISTING DRAINAGE PIPE AS NECESSARY TO ENSURE THE PROPOSED DRAINAGE PIPE AND COUPLING FITS UP PROPERLY.