

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		

CURVE C1

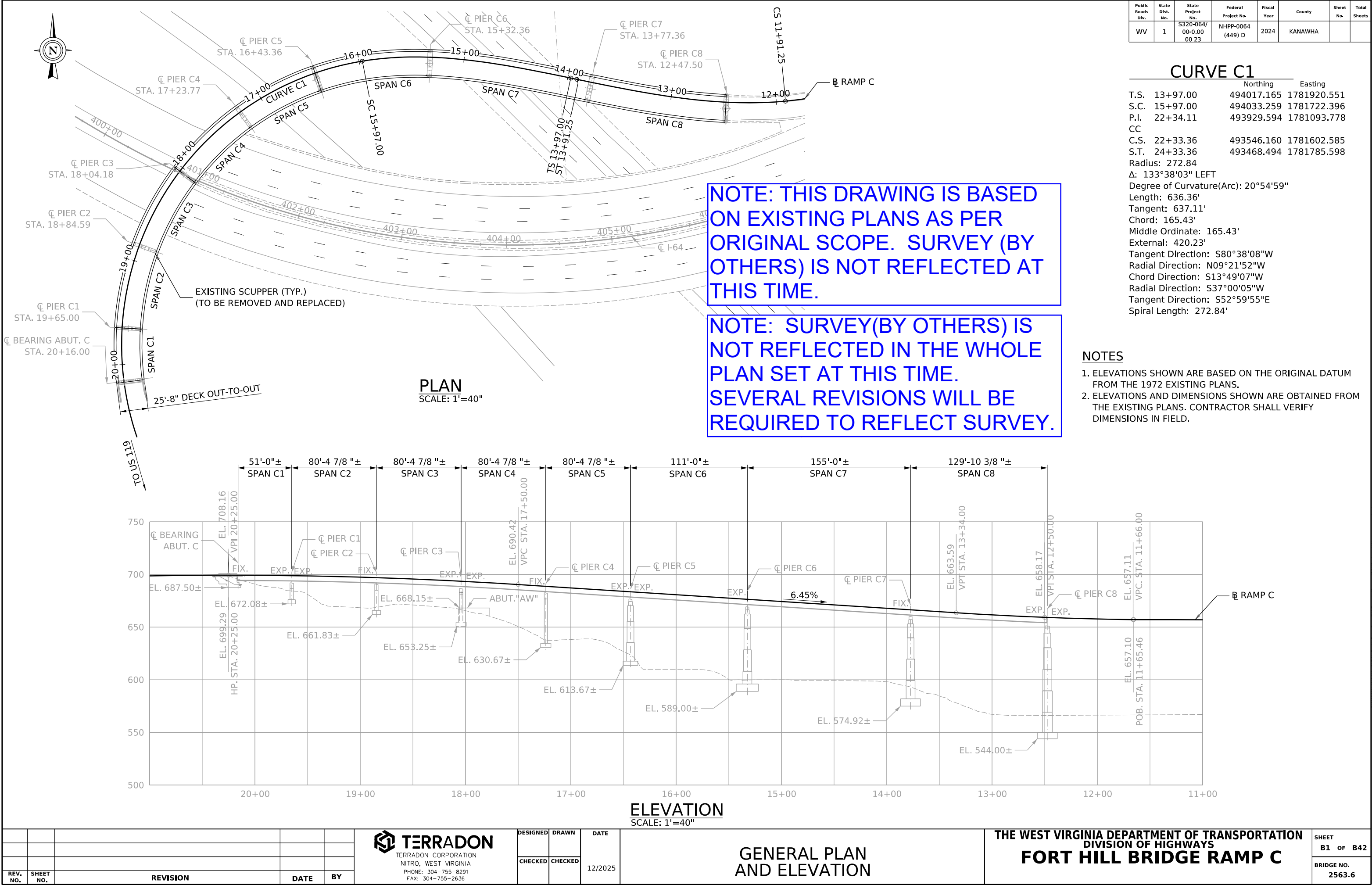
	Norththing	Easting
T.S.	13+97.00	494017.165
S.C.	15+97.00	494033.259
P.I.	22+34.11	493929.594
CC		1781093.778
C.S.	22+33.36	493546.160
S.T.	24+33.36	1781602.585
		493468.494
		1781785.598
Radius:	272.84	
Δ:	133°38'03" LEFT	
Degree of Curvature(Arc):	20°54'59"	
Length:	636.36'	
Tangent:	637.11'	
Chord:	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'	

NOTE: THIS DRAWING IS BASED ON EXISTING PLANS AS PER ORIGINAL SCOPE. SURVEY (BY OTHERS) IS NOT REFLECTED AT THIS TIME.

NOTE: SURVEY(BY OTHERS) IS NOT REFLECTED IN THE WHOLE PLAN SET AT THIS TIME. SEVERAL REVISIONS WILL BE REQUIRED TO REFLECT SURVEY.

NOTES

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



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B2	GENERAL NOTES (1 OF 2)
B3	GENERAL NOTES (2 OF 2)
B4	ESTIMATED QUANTITIES
B5	ABUTMENT C REPAIR
B6	ABUTMENT C WINGWALLS
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B8	PIER C2 REPAIR
B9	PIER C3 REPAIR
B10	PIER C4 REPAIR
B11	PIER C5 REPAIR
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B21	LIMITS OF REMOVAL
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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



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

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

11-DEC-2025 11:29
P:\2025\2563.6\2563.6-2025-VI0001-Fort Hill Bridge Ramp C\Drawings\2563.6-Production\2563.6-Plan.dwg, 453p
DWG: 2563.6-Plan.dwg, 453p

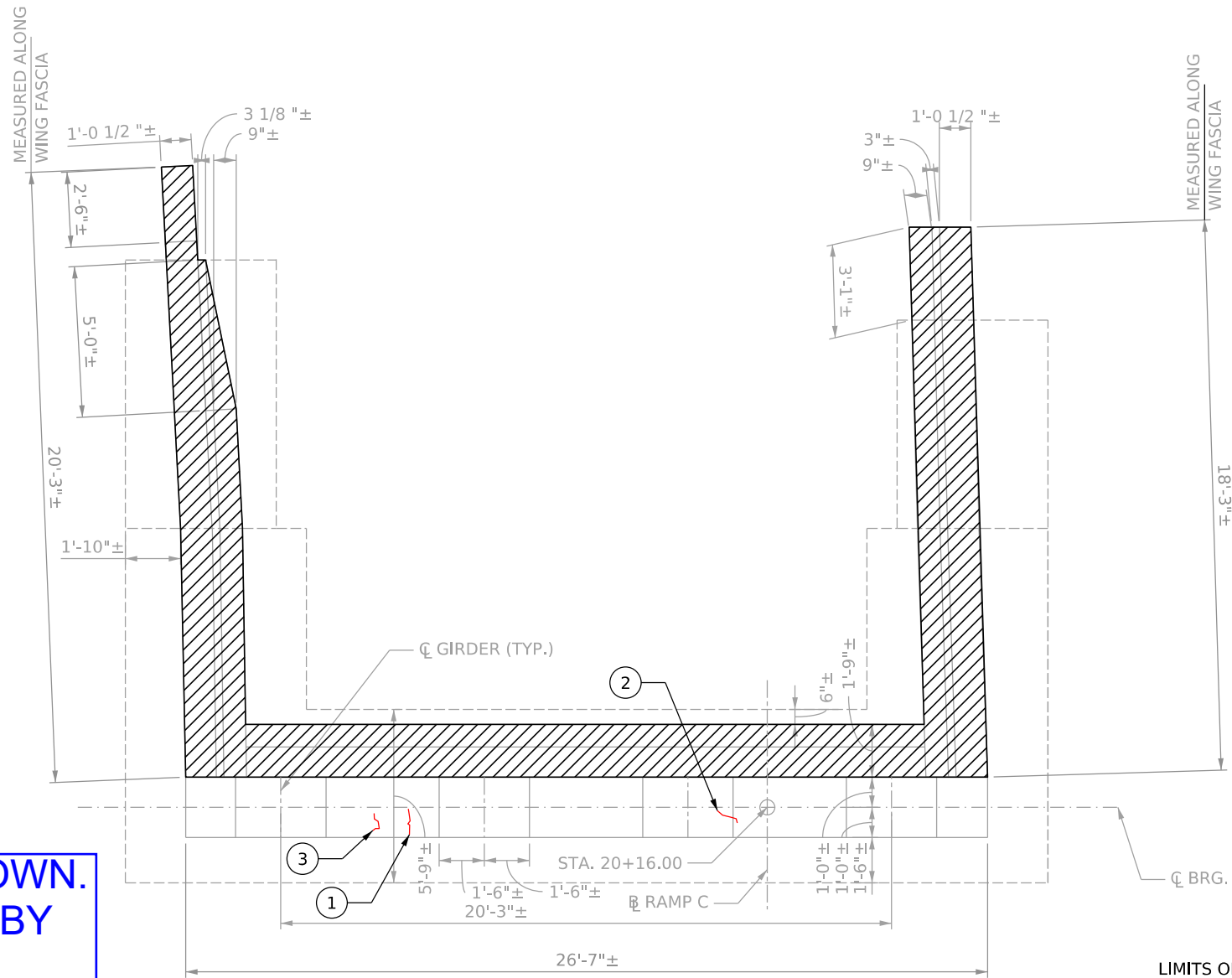
LEGEND

- LIMITS OF REMOVAL / ABUTMENT CONVERSION
- CRACK REPAIR
- 1

BRIDGE DEFECT DESIGNATION

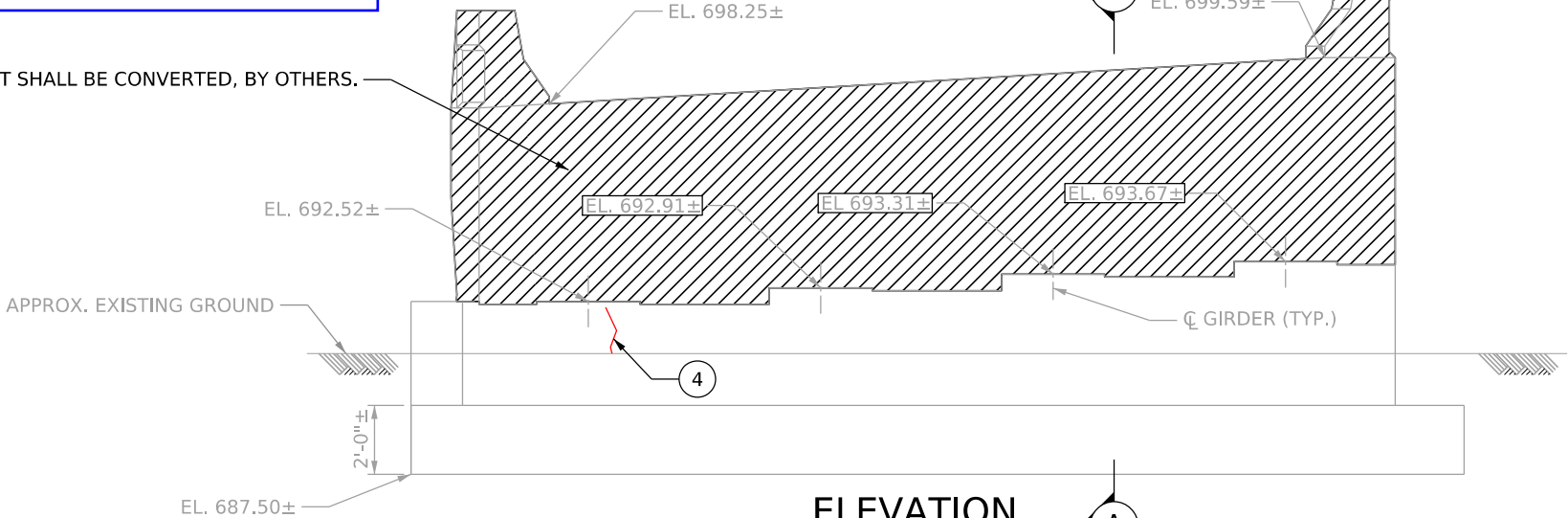


NOTE: EXISTING ABUTMENT IS SHOWN. ABUTMENT WILL BE CONVERTED (BY OTHERS). COORDINATION WITH EUGENE CARTER MEMORIAL BRIDGE PROJECT IS REQUIRED.



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

ABUTMENT SHALL BE CONVERTED, BY OTHERS.

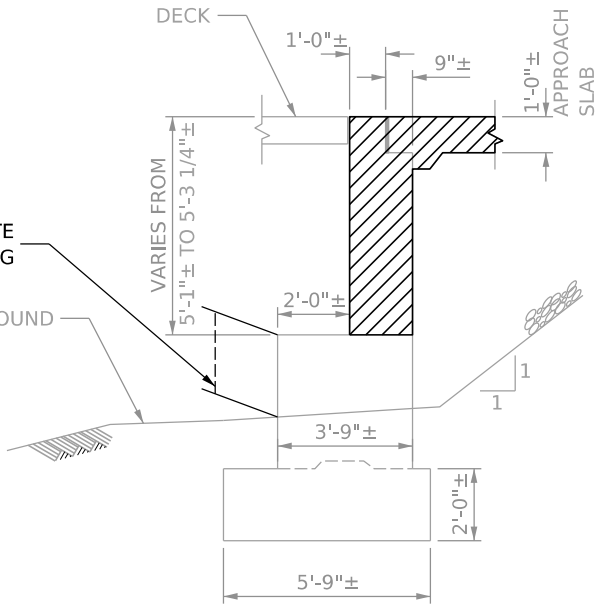


ELEVATION
SCALE: 3/8"=1'-0"

MEASURED ALONG WING FASCIA

LIMITS OF CONCRETE PROTECTIVE COATING

APPROX. EXISTING GROUND



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

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

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* ABUTMENT C DEFECTS			
ITEM # 601031-001, EPOXY INJECTION CRACK REPAIR			
ID	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.

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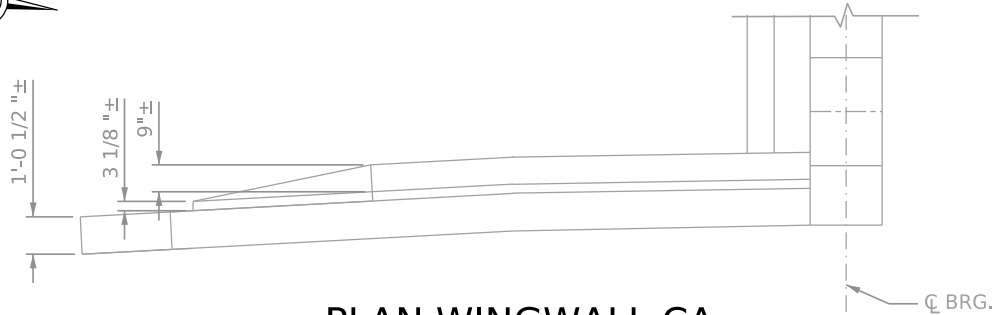
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ABUTMENT C REPAIR

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

SHEET B5 OF B42
BRIDGE NO. 2563.6

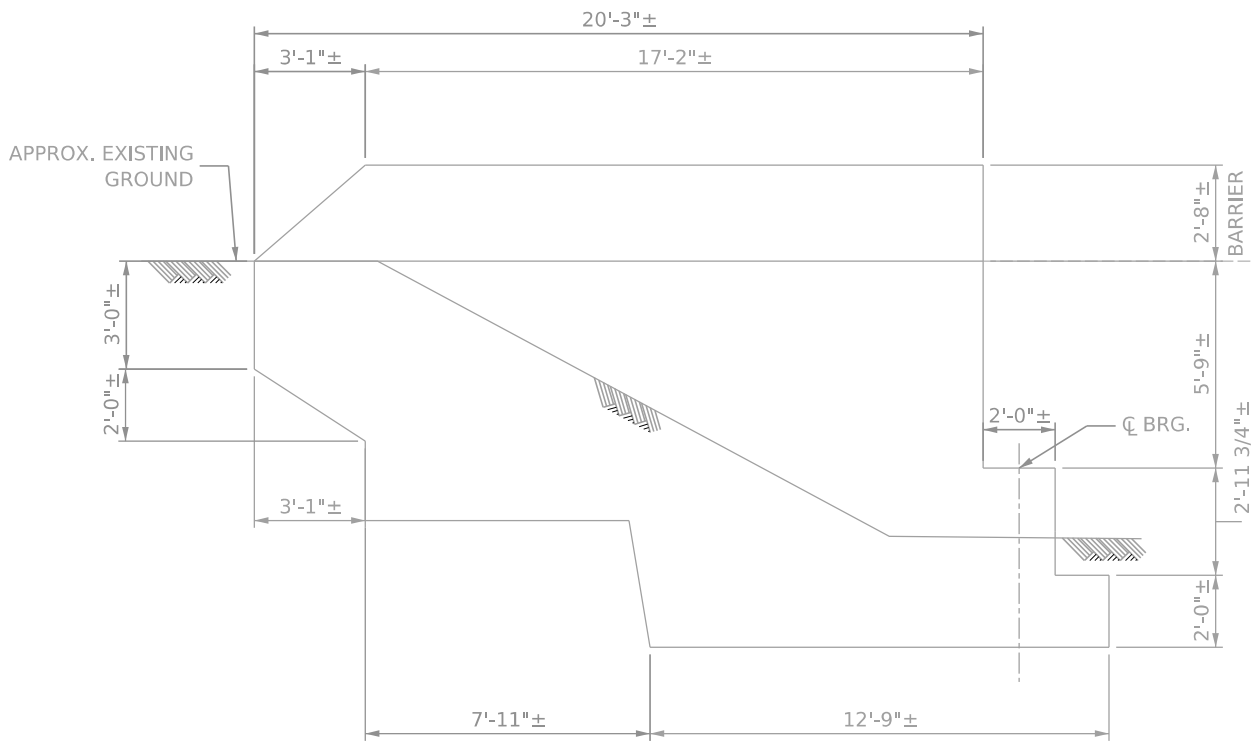
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
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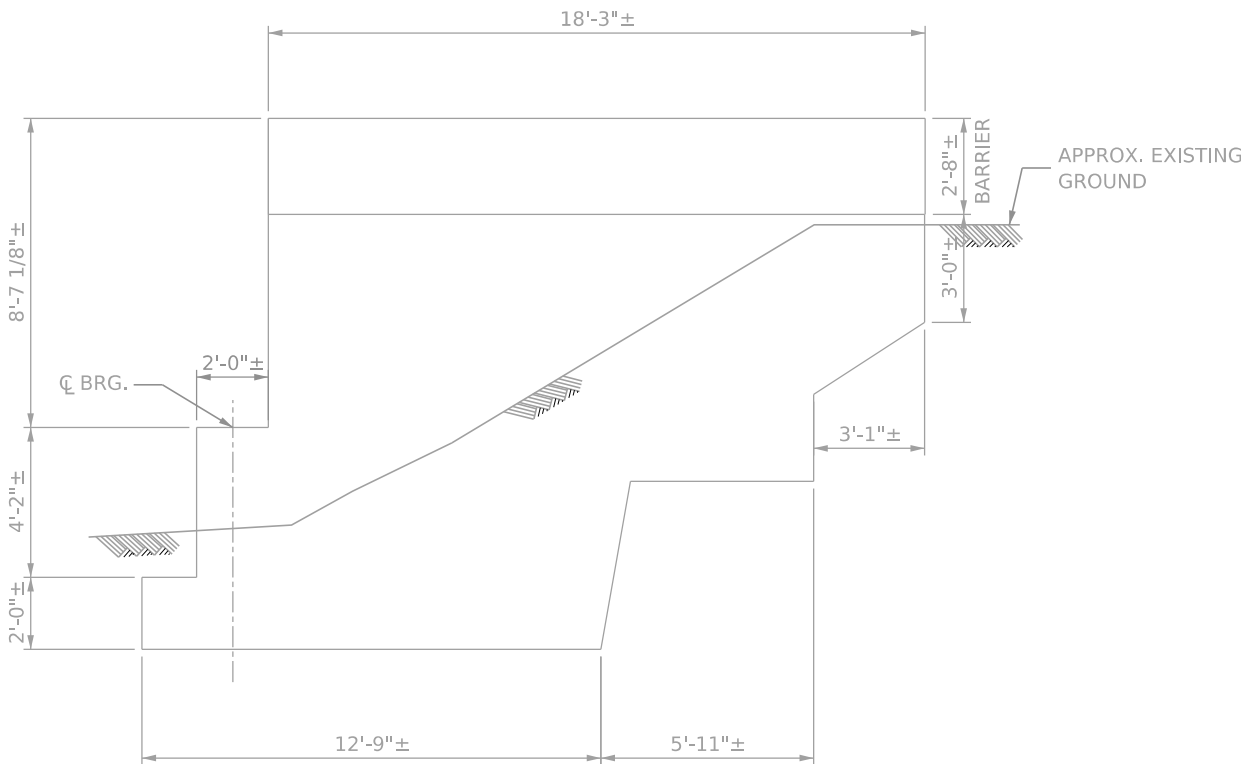
PLAN WINGWALL CA
SCALE: 3/8"=1'-0"



PLAN WINGWALL CB
SCALE: 3/8"=1'-0"



ELEVATION WINGWALL CA
SCALE: 3/8"=1'-0"



ELEVATION WINGWALL CB
SCALE: 3/8"=1'-0"

NOTE: EXISTING WINGWALLS ARE SHOWN. THESE WINGWALLS WILL BE REHABILITATED WHEN CONVERTING ABUTMENT (BY OTHERS). COORDINATION WITH EUGENE CARTER MEMORIAL BRIDGE PROJECT IS REQUIRED.

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

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ABUTMENT C WINGWALLS

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

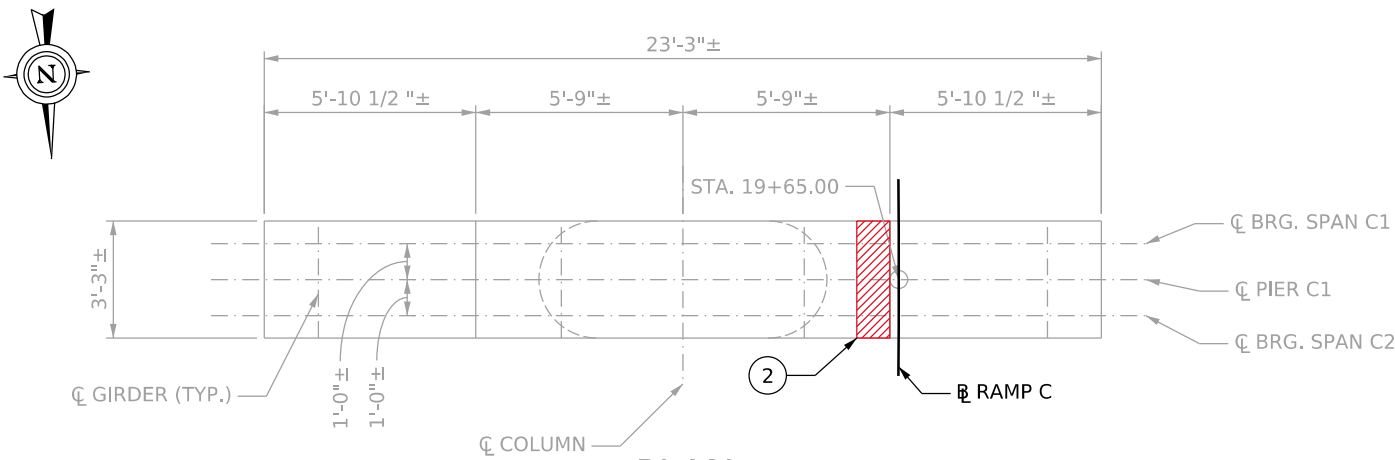
SHEET B6 OF B42
BRIDGE NO. 2563.6

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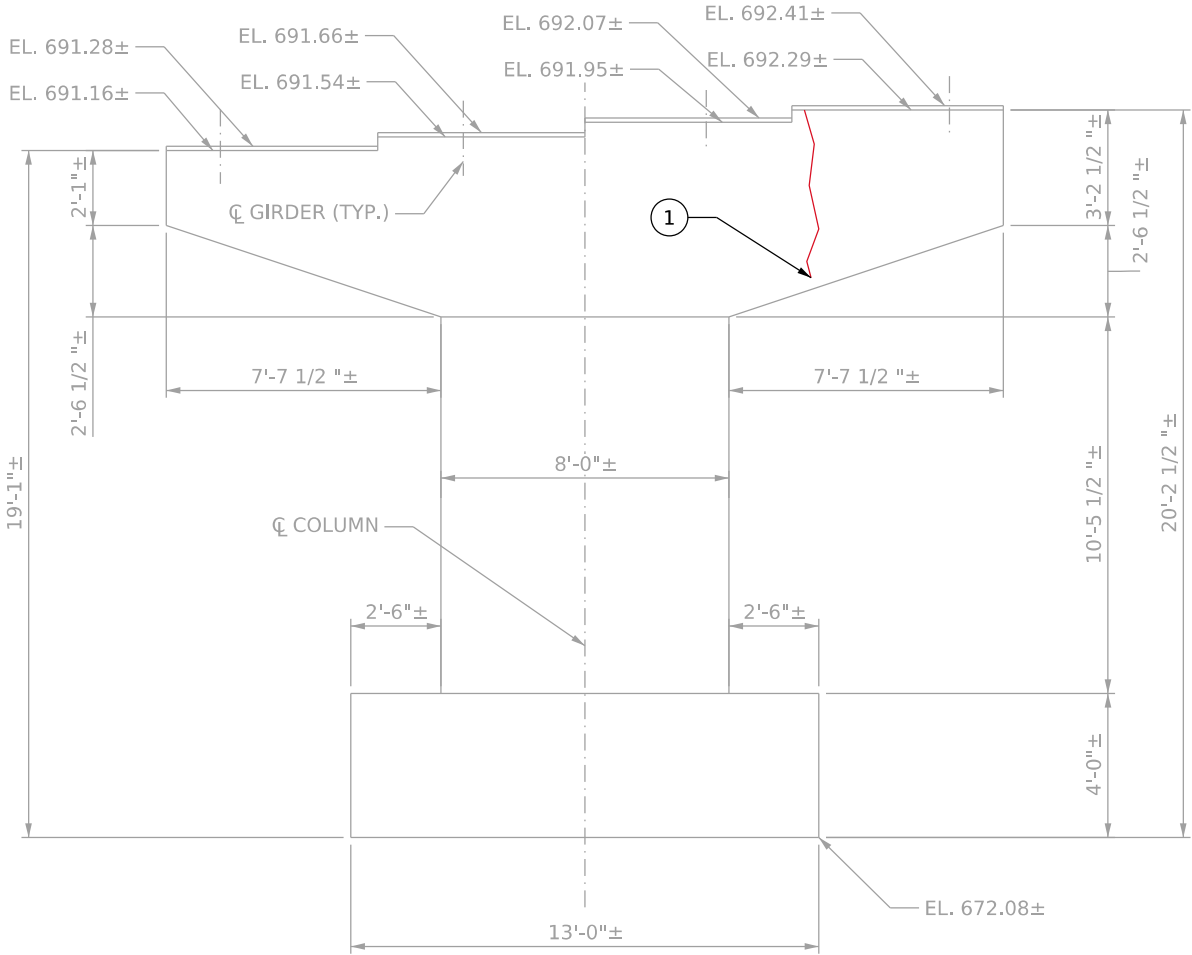
* PIER C1 DEFECTS			
ITEM #601031-001, EPOXY INJECTION CRACK REPAIR			
ID	NOTES	UNITS	QUANTITY
1	CRACK	LF	5
3	CRACK	LF	5
TOTAL		LF	10

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

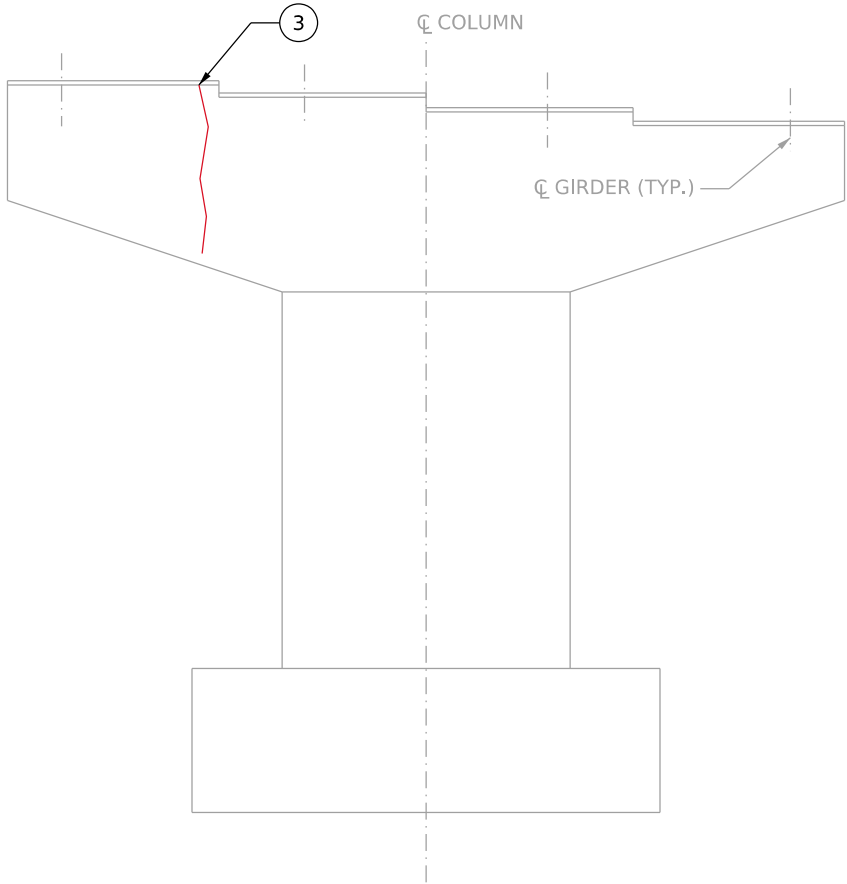
* THE QUANTITIES SHOWN IN THE TABLES ARE OBTAINED FROM THE INSPECTION REPORT DATED OCTOBER 2022.



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



WEST FACE ELEVATION
SCALE: 3/8"=1'-0"



EAST FACE ELEVATION
SCALE: 3/8"=1'-0"

NOTES

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

LEGEND

- SPALL REPAIR
- CRACK REPAIR
- BRIDGE DEFECT DESIGNATION

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PIER C1 REPAIR

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

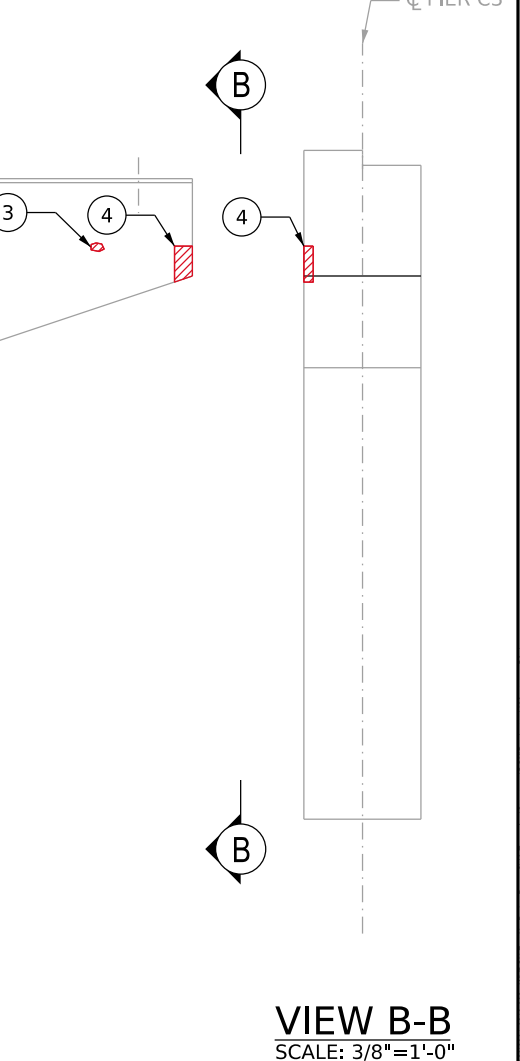
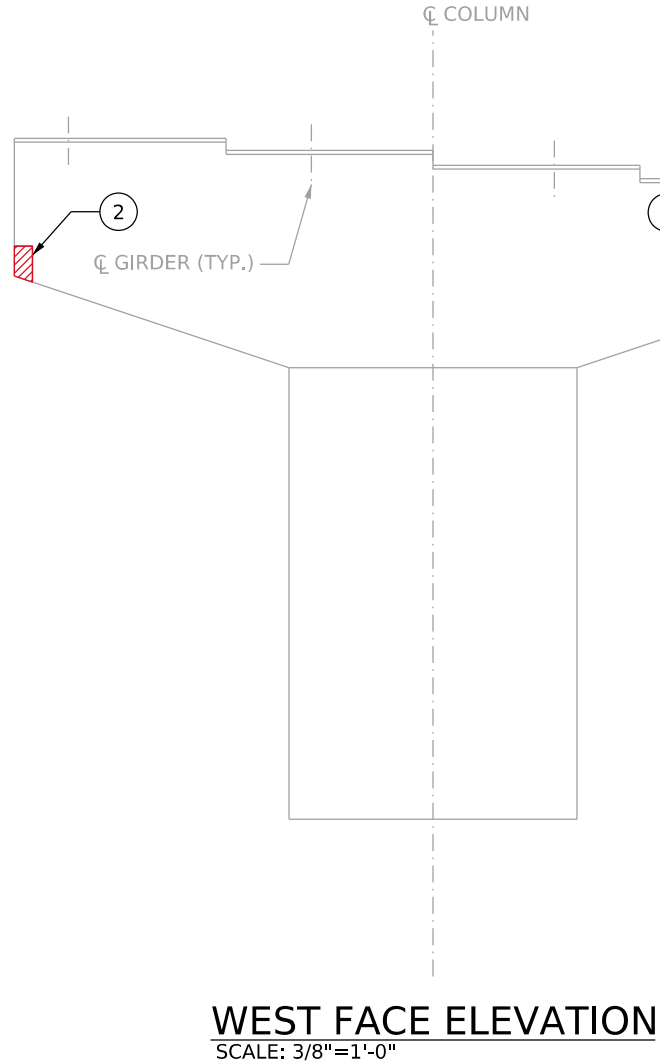
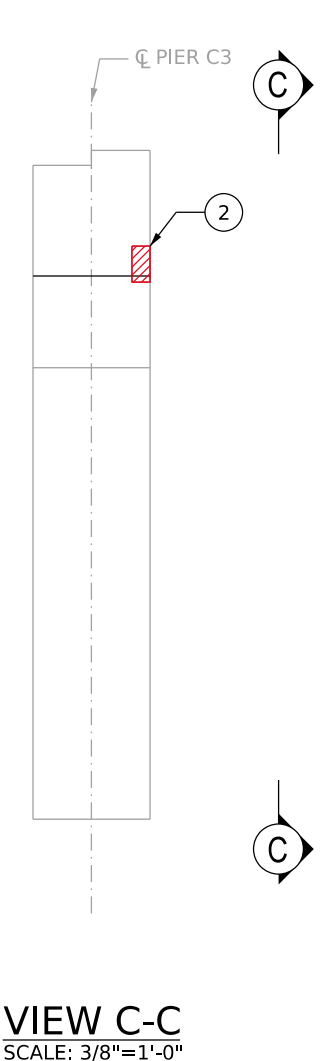
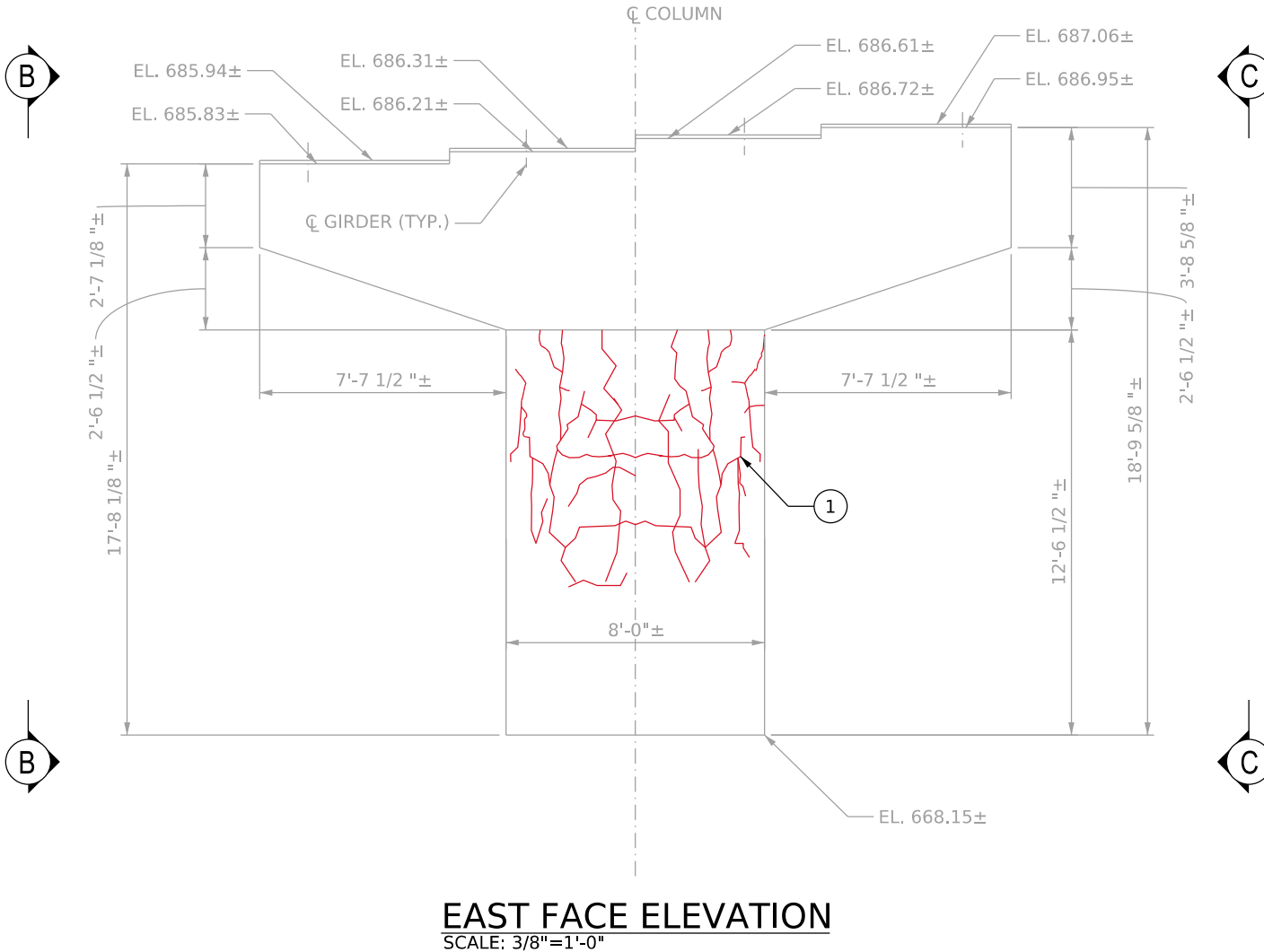
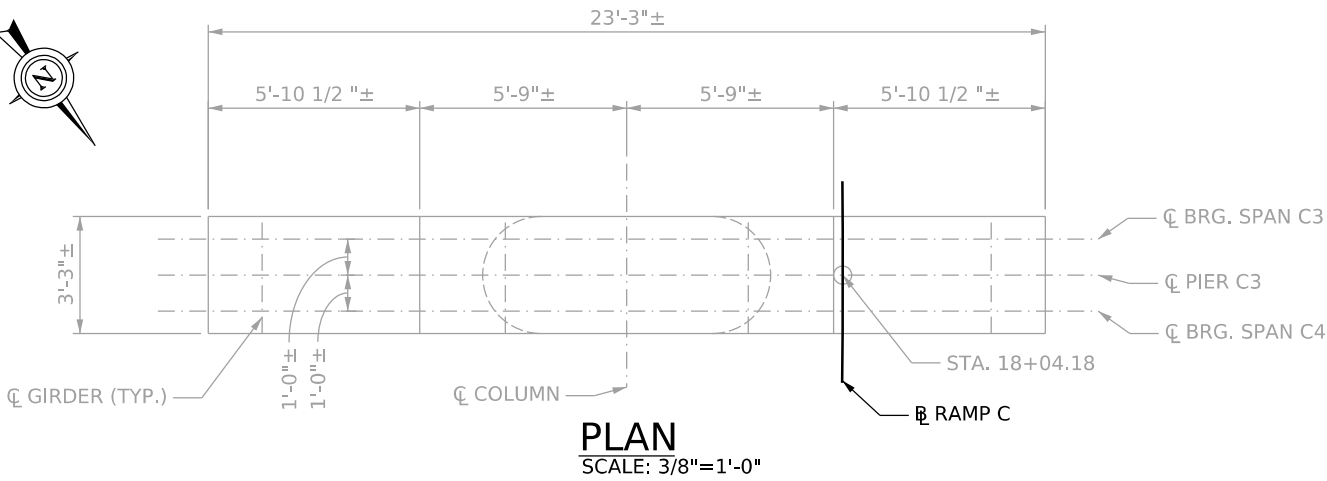
SHEET
B7 OF B42
BRIDGE NO.
2563.6

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* PIER C3 DEFECTS			
ITEM # 601030-000, PATCHING CONCRETE STRUCTURES			
ID	NOTES	UNITS	QUANTITY
2	SPALL	SF	1
3	SPALL	SF	2
4	SPALL	SF	1
TOTAL		SF	4

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

* PIER C3 DEFECTS			
ITEM #601031-001, EPOXY INJECTION CRACK REPAIR			
ID	NOTES	UNITS	QUANTITY
1	CRACK	LF	60
TOTAL		LF	60



- NOTES**
- FOR PATCHING REPAIR, SEE CONCRETE REPAIR SHEETS B15 & B16.
 - FOR CRACK REPAIR, SEE EPOXY INJECTION REPAIR NOTE SHEET B2.

LEGEND

- SPALL REPAIR
- CRACK REPAIR
- BRIDGE DEFECT DESIGNATION

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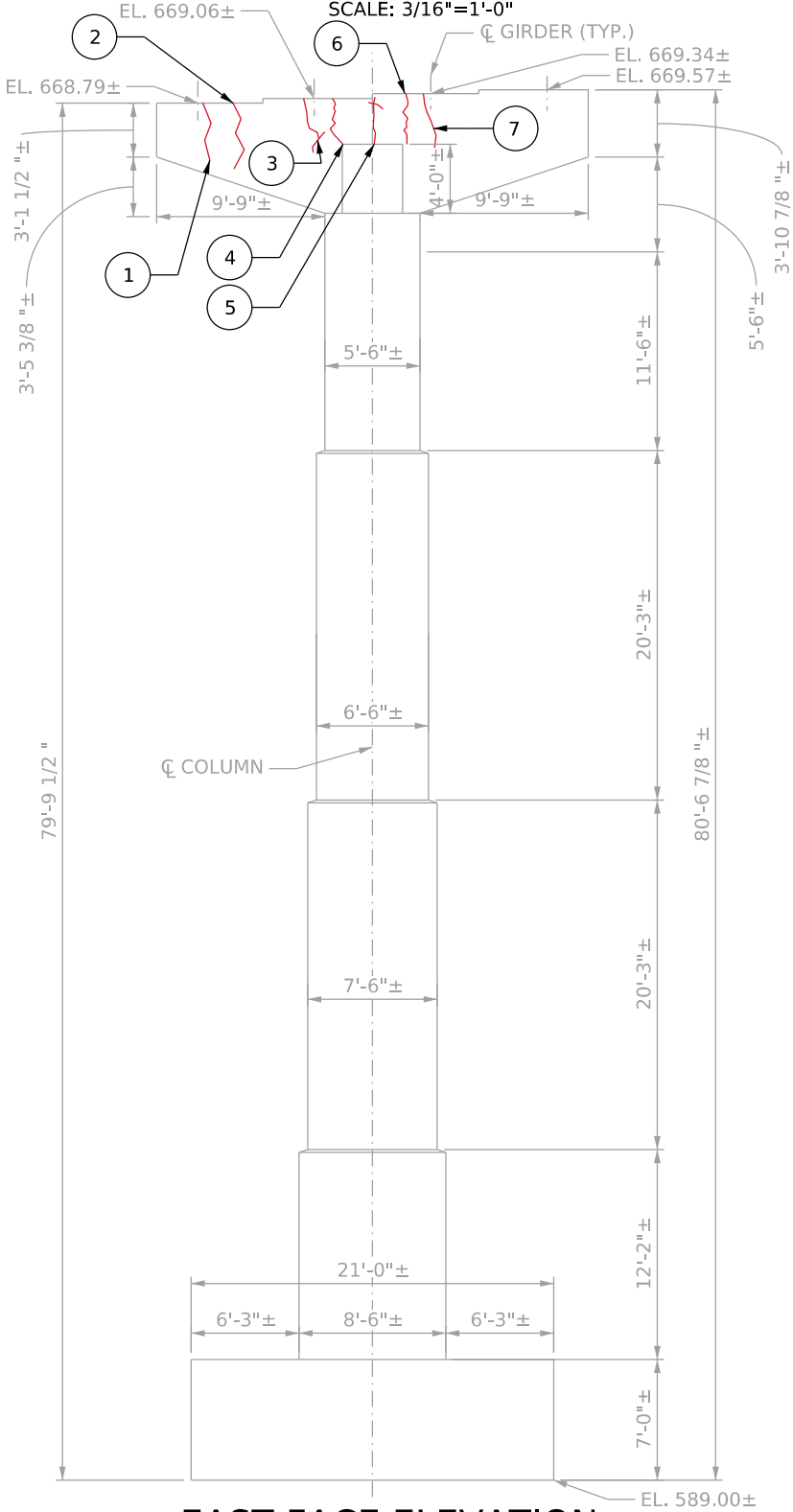
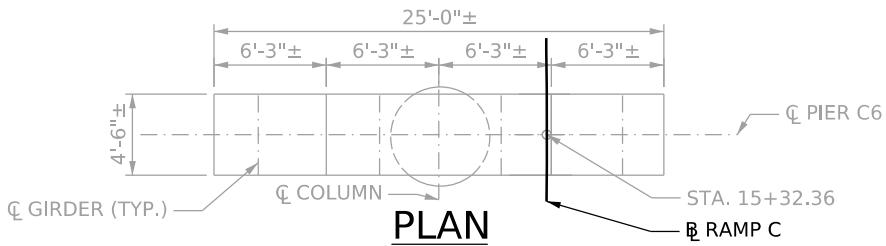
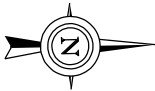
* PIER C6 DEFECTS			
ITEM #601031-001, EPOXY INJECTION CRACK REPAIR			
ID	NOTES	UNITS	QUANTITY
1	CRACKS	LF	2.5
2	CRACKS	LF	4.5
3	CRACKS	LF	4.5
4	CRACKS	LF	3.5
5	CRACKS	LF	3.5
6	CRACKS	LF	3.5
7	CRACKS	LF	3.5
TOTAL		LF	25.5

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

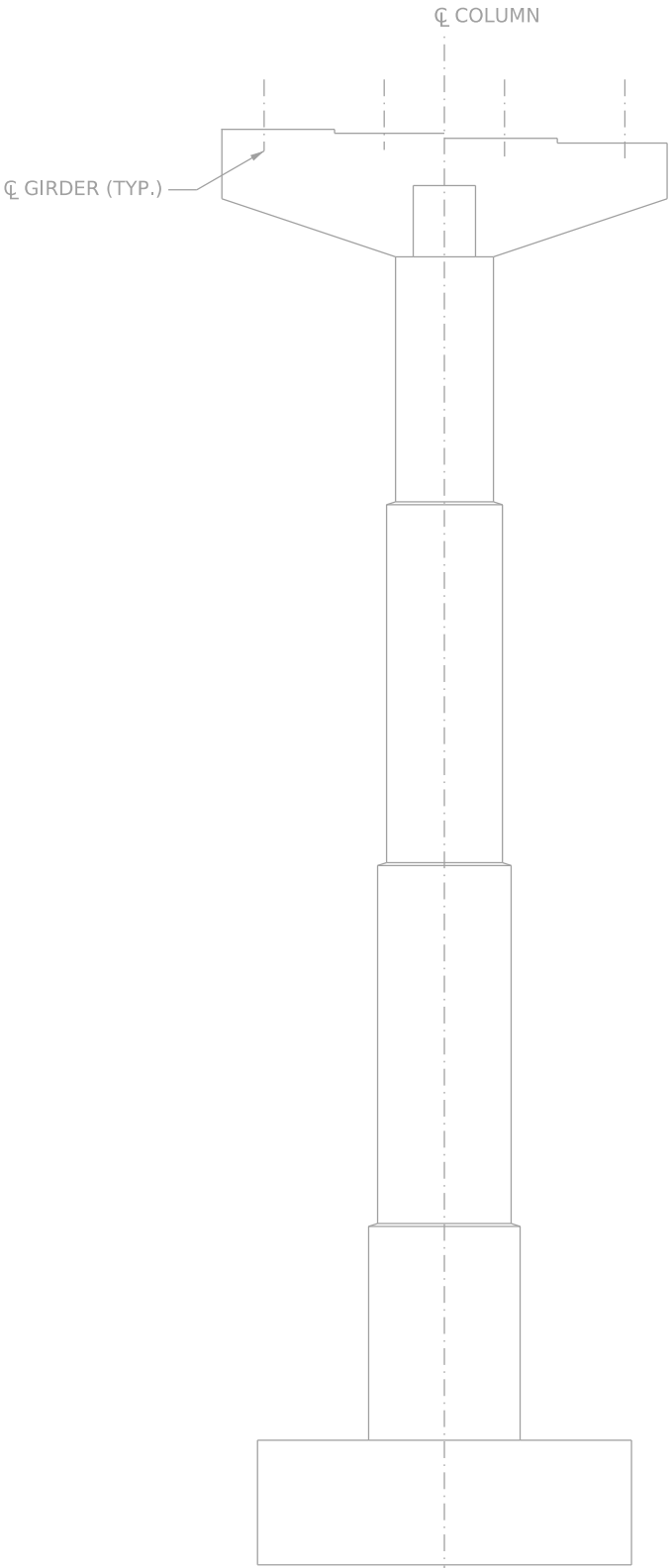
LEGEND

- CRACK REPAIR
- 3

BRIDGE DEFECT DESIGNATION



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



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

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.

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**TERRADON**

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PIER C6 REPAIR

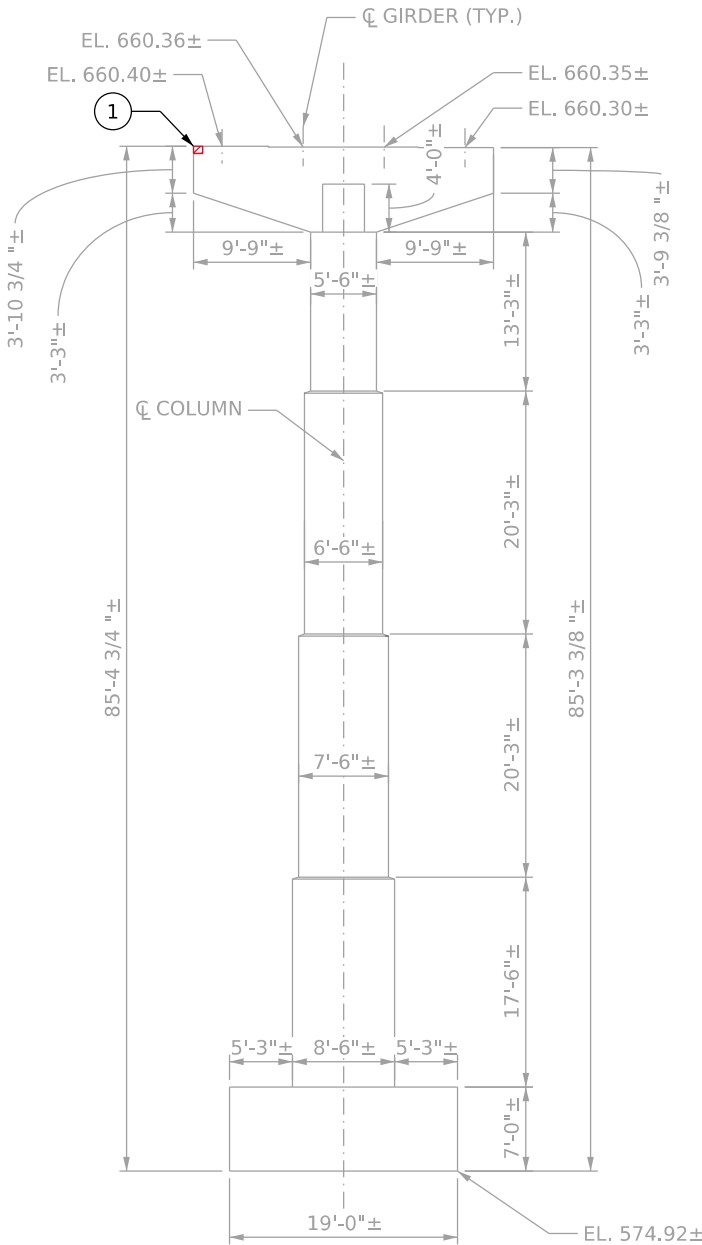
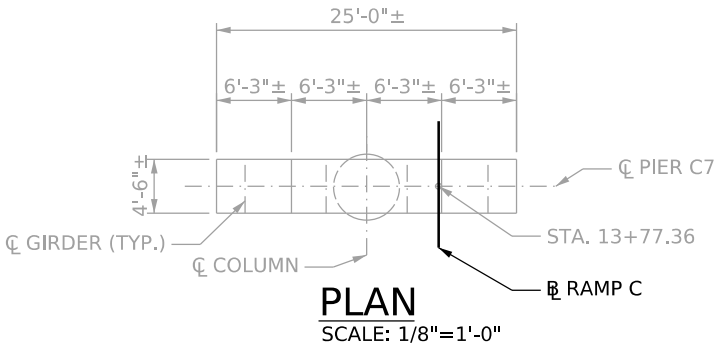
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
FORT HILL BRIDGE RAMP C

SHEET B12 OF B42
BRIDGE NO. 2563.6

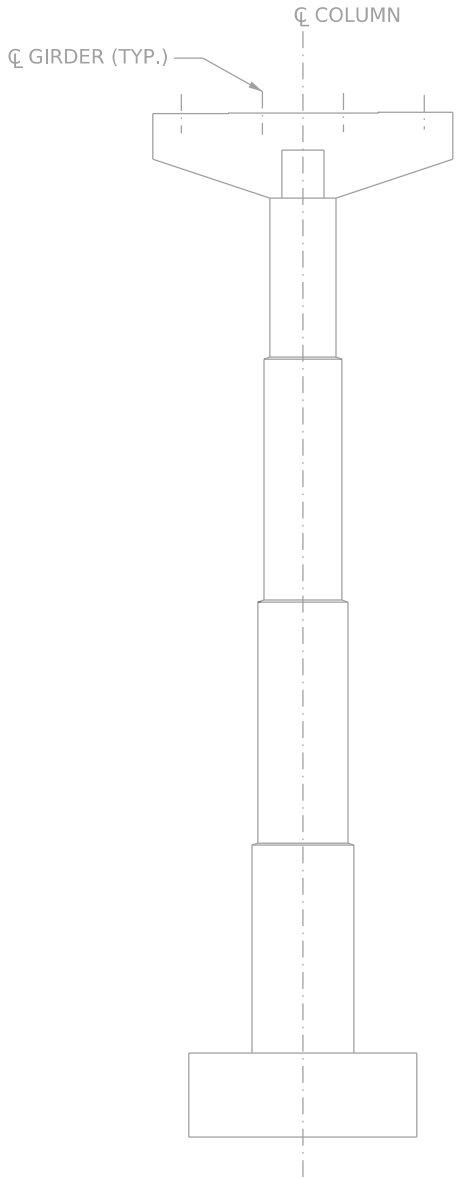
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* PIER C7 DEFECTS			
ITEM # 601030-000, PATCHING CONCRETE STRUCTURES			
ID	NOTES	UNITS	QUANTITY
1	SPALL	SF	3
TOTAL		SF	3

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



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



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

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.

LEGEND



SPALL REPAIR



CRACK REPAIR



BRIDGE DEFECT
DESIGNATION

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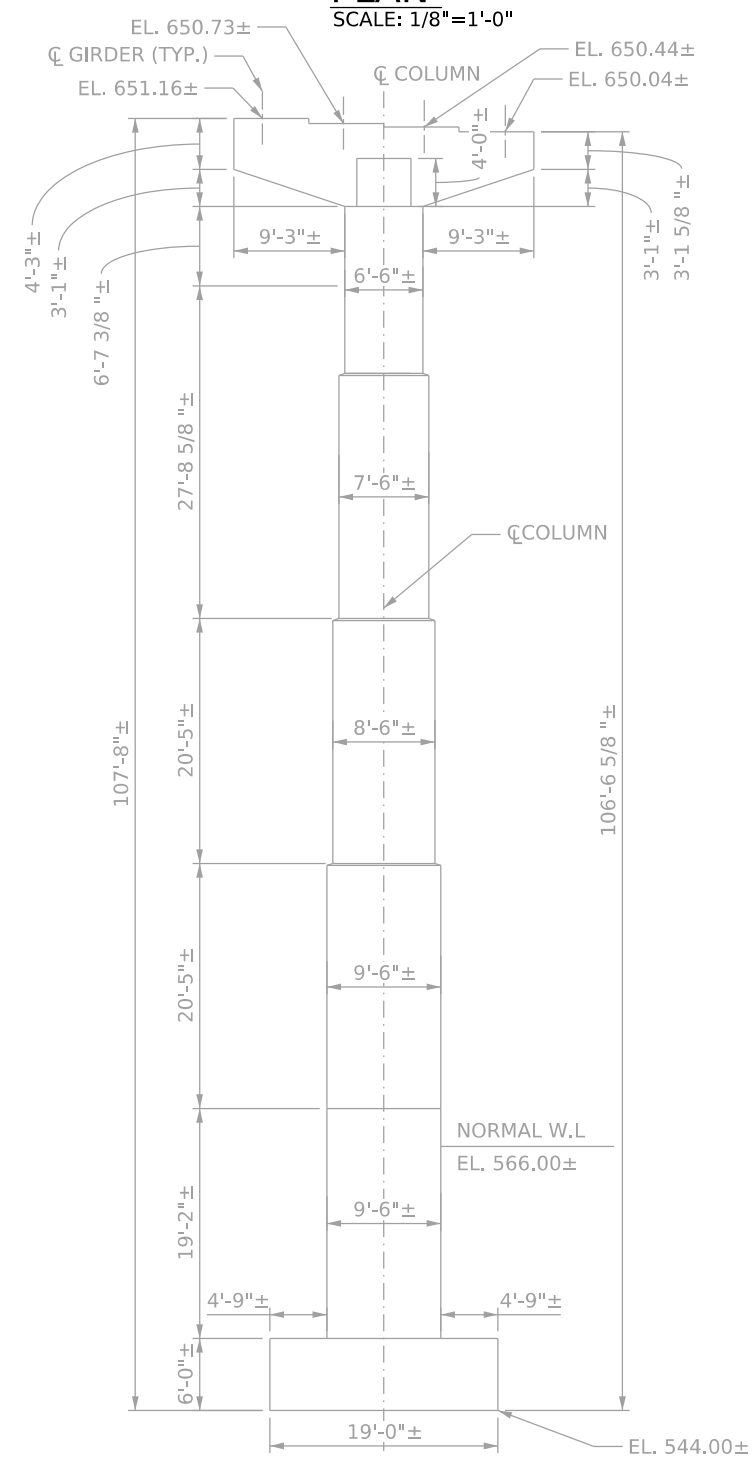
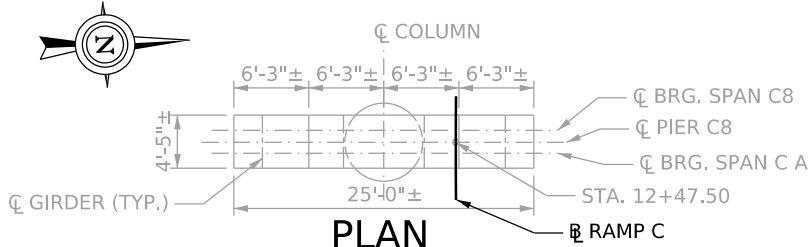
DESIGNED	DRAWN	DATE
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PIER C7 REPAIR

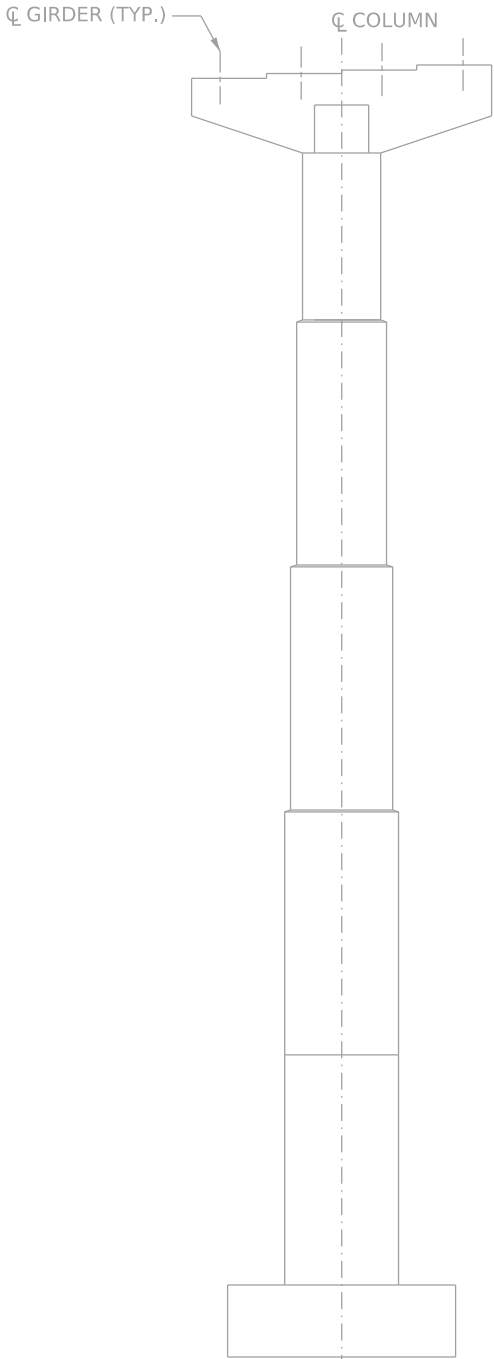
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
FORT HILL BRIDGE RAMP C

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



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NITRO, WEST VIRGINIA
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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

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PATCHING CONCRETE STRUCTURES REPAIR

1. PATCHING CONCRETE STRUCTURES IS USED FOR THE REPAIR OF AREAS OF CONCRETE SPALLS AND DELAMINATIONS.
2. PATCHING CONCRETE STRUCTURES SHALL BE APPLIED TO THE FOLLOWING DETERIORATION SITUATIONS:

A. IF THE DETERIORATION DEPTH IS GREATER THAN 3/4".

B. IF DETERIORATION DEPTH IS LESS THAN 3/4" AND THE AREA OF DETERIORATION IS GREATER THAN 1 SF.
3. DO NOT REPAIR CONCRETE DETERIORATION IF DETERIORATION DEPTH IS LESS THAN 3/4" AND THE AREA OF DETERIORATION IS EQUAL TO OR LESS THAN 1 SF.

REPAIR MATERIALS FOR PATCHING CONCRETE STRUCTURES

1. MODIFIED CONCRETE CLASS B OR RAPID SET CEMENTITIOUS MATERIAL SHALL BE USED FOR PATCHING CONCRETE STRUCTURES REPAIR AT THE SUBSTRUCTURE UNITS (ABUTMENT & PIERS). MODIFIED CONCRETE CLASS B SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS EXCEPT THAT THE MAXIMUM COARSE AGGREGATE SIZE SHALL BE ¾". RAPID SET CEMENTITIOUS MATERIAL SHALL BE IN ACCORDANCE WITH SPECIAL PROVISION 601, STRUCTURAL CONCRETE.

PATCHING CONCRETE STRUCTURES NOTES

1. SQUARE OFF DETERIORATED CONCRETE TO SOUND CONCRETE WITH A SAWCUT OF 3/4" MINIMUM TO 1" MAXIMUM BUT NOT TO THE DEPTH OF THE REINFORCING STEEL. BACK BEVEL EDGE BEYOND SAWCUT.
2. USE HAND TOOLS TO REMOVE ALL LOOSE AND DELAMINATED CONCRETE TO PROVIDE A SOUND BOND BETWEEN EXISTING CONCRETE AND NEW CONCRETE. PNEUMATIC HAMMERS WITH IMPACT RATINGS OF 30 FT/LB OR LESS MAY BE USED IF REQUIRED.
3. IF SOUND CONCRETE IS REACHED BEFORE THE TOP/FACE OF ANY REINFORCEMENT, SOUND CONCRETE SHALL BE REMOVED TO THE TOP/FACE OF THE REINFORCEMENT.
4. IF DETERIORATED CONCRETE EXTENDS BEYOND THE PRIMARY REINFORCING, REMOVE THE CONCRETE TO AT LEAST 1" BEHIND THE REINFORCING, AND ALSO UNTIL ALL UNSOUND CONCRETE HAS BEEN REMOVED.
5. USE DOWELS ONLY WHEN LEAST DIMENSION OF DETERIORATED CONCRETE IS GREATER THAN 2'-0" AND NEW OR EXISTING REINFORCING CANNOT ADEQUATELY BE DEVELOPED BY LAPPING WITH EXISTING REINFORCING.
6. USE A PACHOMETER TO LOCATE EXISTING REINFORCING WHEN DRILLING DOWEL HOLES TO AVOID DRILLING THRU EXISTING BARS.
7. USE AN APPROVED EPOXY ANCHORING SYSTEM IN DOWEL HOLES. USE THE GREATER OF 6" MINIMUM EMBEDMENT OR IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. PROVIDE HOLE DIAMETER IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
8. ALTERNATE WIRE MESH MAY BE SUBSTITUTED FOR 3x3-W10xW10, PROVIDED WIRE SPACING DOES NOT EXCEED 4" AND AN EQUIVALENT STEEL AREA IS PROVIDED. NEW REINFORCING BARS MAY BE OMITTED IF WIRE MESH STEEL AREA EXCEEDS EXISTING REINFORCING.
9. CLEAN EXISTING REINFORCING,IF EXPOSED, BY ABRASIVE BLASTING MEETING THE REQUIREMENTS OF SSPC-SP10. CLEAN EXISTING CONCRETE MEETING THE REQUIREMENTS OF SSPC-SP13, PRIOR TO PLACING THE EPOXY BONDING COMPOUND.
10. LAP EQUIVALENT NEW REINFORCING TO THE EXISTING REINFORCING, AS PER CURRENT AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.
11. REINFORCING BARS SHALL BE BLACK BARS.
12. SET FORMS TO PROVIDE MINIMUM CONCRETE COVER AS REQUIRED. MAINTAIN ALL CHAMFERS. AIR-BLAST ALL REPAIR AREAS WITH OIL-FREE COMPRESSED AIR TO PROTECT AGAINST ANY CONTAMINANT DETRIMENTAL TO THE BOND OF THE NEW CONCRETE. APPLY EPOXY BONDING COMPOUND TO THE REPAIR AREA IN ACCORDANCE WITH SPECIAL PROVISION 601, STRUCTURAL CONCRETE, EPOXY BONDING COMPOUND, AND THE MANUFACTURER'S RECOMMENDATIONS. PLACE MODIFIED CLASS B CONCRETE, OR RAPID SET CEMENTITIOUS MATERIAL WHILE THE EPOXY BONDING COMPOUND IS STILL TACKY. DO NOT PLACE CONCRETE IF THE COMPOUND IS NO LONGER TACKY OR IF THE COMPOUND HAS HARDENED. RECOAT ANY COMPOUND THAT IS NO LONGER TACKY IN ACCORDANCE WITH SPECIAL PROVISION 601, STRUCTURAL CONCRETE, EPOXY BONDING COMPOUND AND THE MANUFACTURER'S RECOMMENDATIONS.
13. REPAIR ANY SOUND CONCRETE DAMAGED DURING THE OPERATIONS TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST.
14. PROVIDE SATISFACTORY PROTECTIVE SHIELDING BELOW ALL REPAIR AREAS.
15. THE ENGINEER HAS TO APPROVE THE EXTENT OF THE REPAIR AREAS.
16. CONCRETE REMOVAL, EPOXY BONDING COMPOUND, 1/2" DIA. "L" BAR, EPOXY ANCHORING SYSTEM, NEW REINFORCEMENT, WIRE FABRIC, CONCRETE MATERIALS AND PROTECTIVE SHIELDING ARE INCIDENTAL TO ITEM #601030-000, PATCHING CONCRETE STRUCTURES.
17. FOR DETAILS, SEE SHEET B16 "PATCHING CONCRETE STRUCTURES (2 OF 2).

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TERRADON CORPORATION
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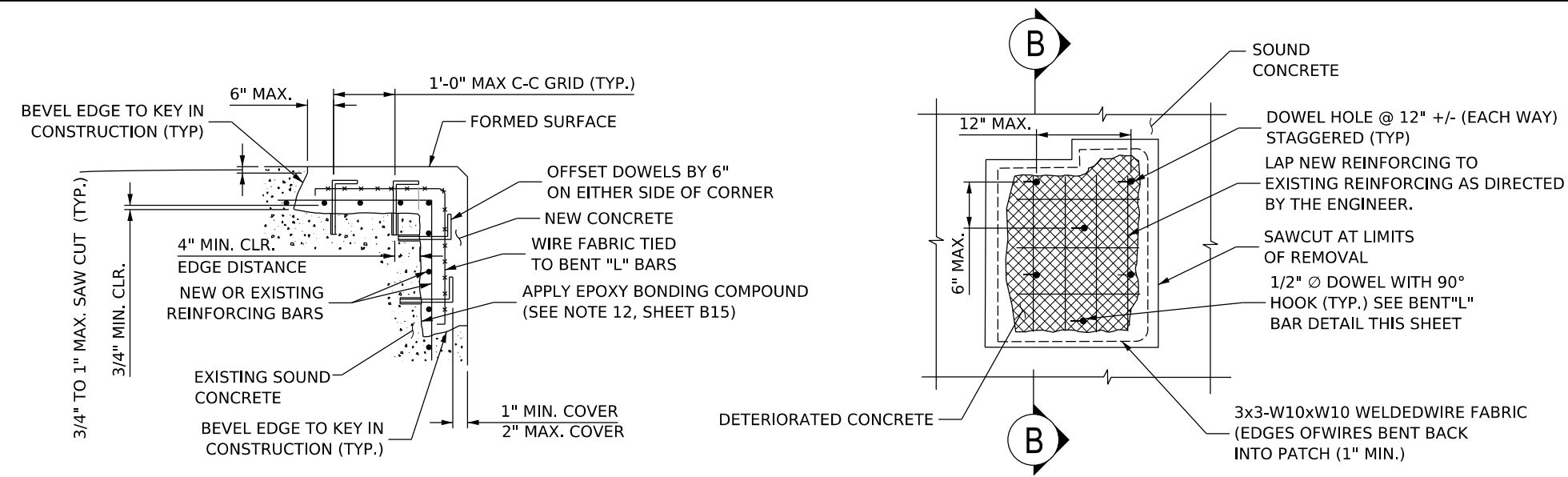
PATCHING CONCRETE STRUCTURES
(1 OF 2)

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

SHEET B15 OF B42
BRIDGE NO. 2563.6

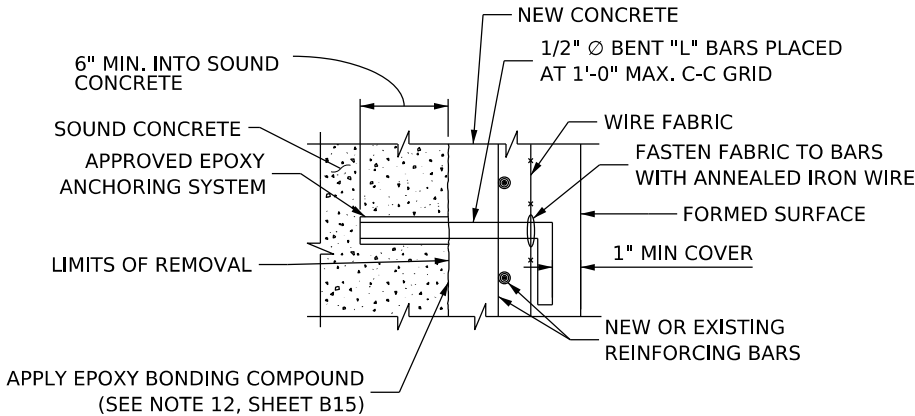
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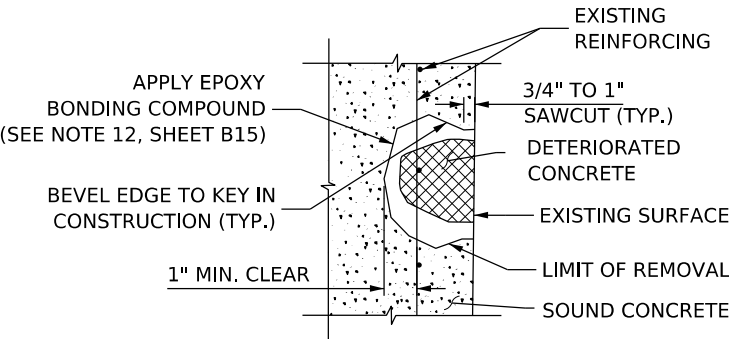


CORNER REPAIR DETAIL
NOT TO SCALE

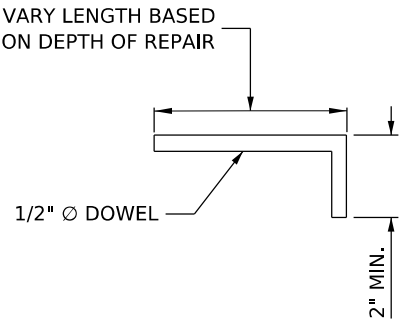
ELEVATION VIEW
NOT TO SCALE



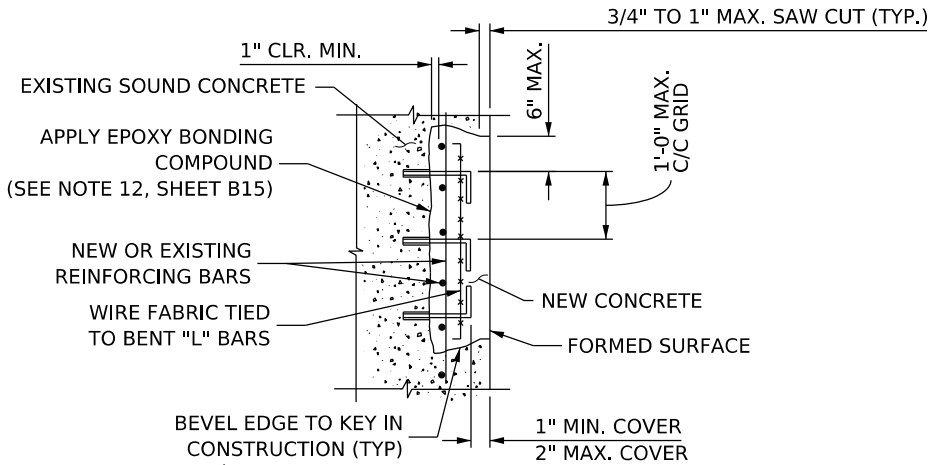
TYPICAL "L" DOWEL BAR DETAIL
NOT TO SCALE



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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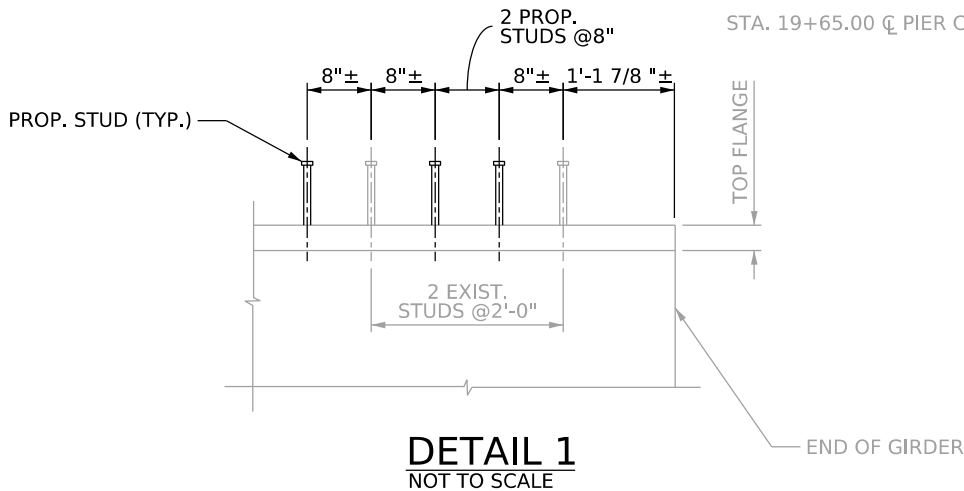
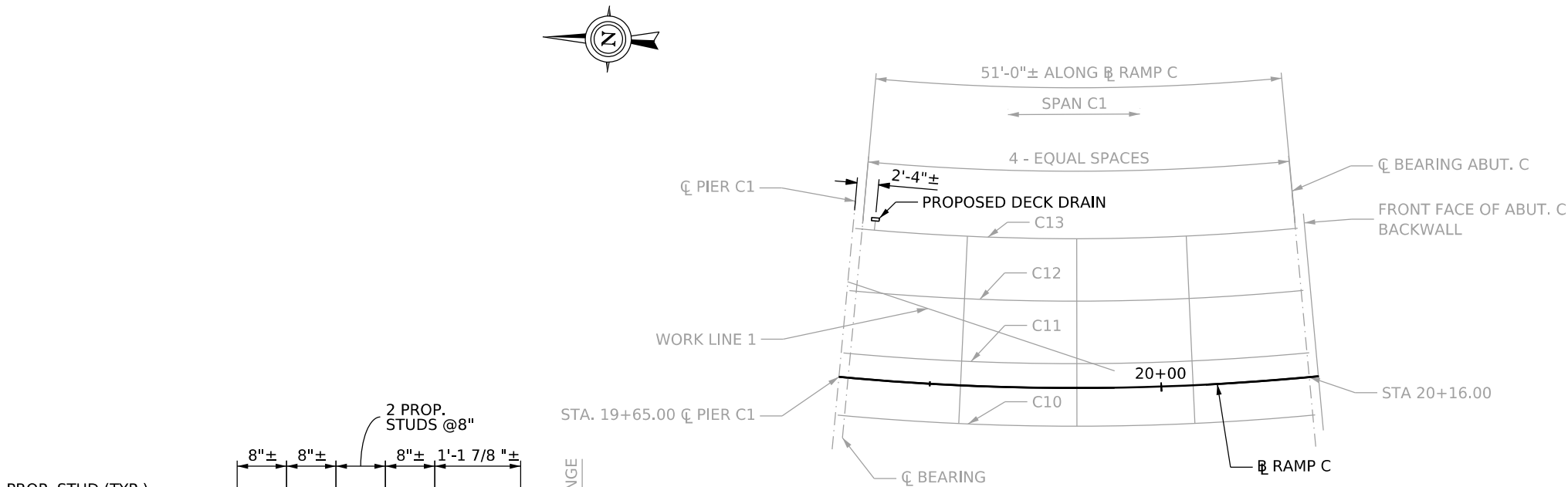
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PATCHING CONCRETE STRUCTURES
(2 OF 2)

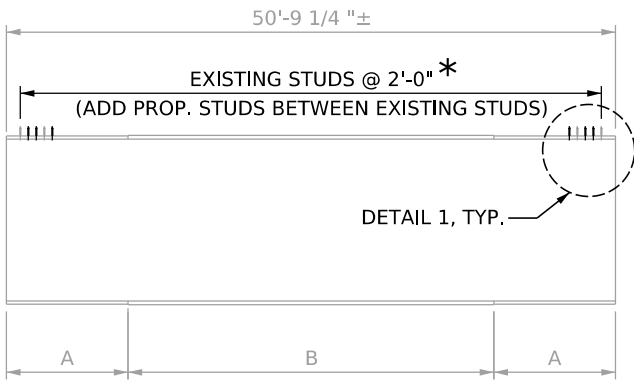
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
FORT HILL BRIDGE RAMP C

SHEET B16 OF B42
BRIDGE NO. 2563.6

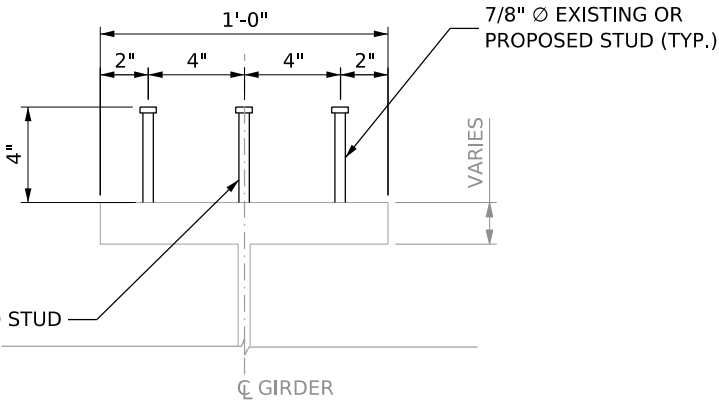
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SPAN C1 PROPOSED SHEAR STUDS		
GIRDER	LENGTH	QUANTITY
C10	50'-9 1/4"	178
C11	49'-6 1/8"	174
C12	48'-3"	168
C13	46'-0"	161



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



(EVERY ROW SHALL HAVE 3 STUDS)
SHEAR STUD DETAILS
SCALE: 3"=1'-0"

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

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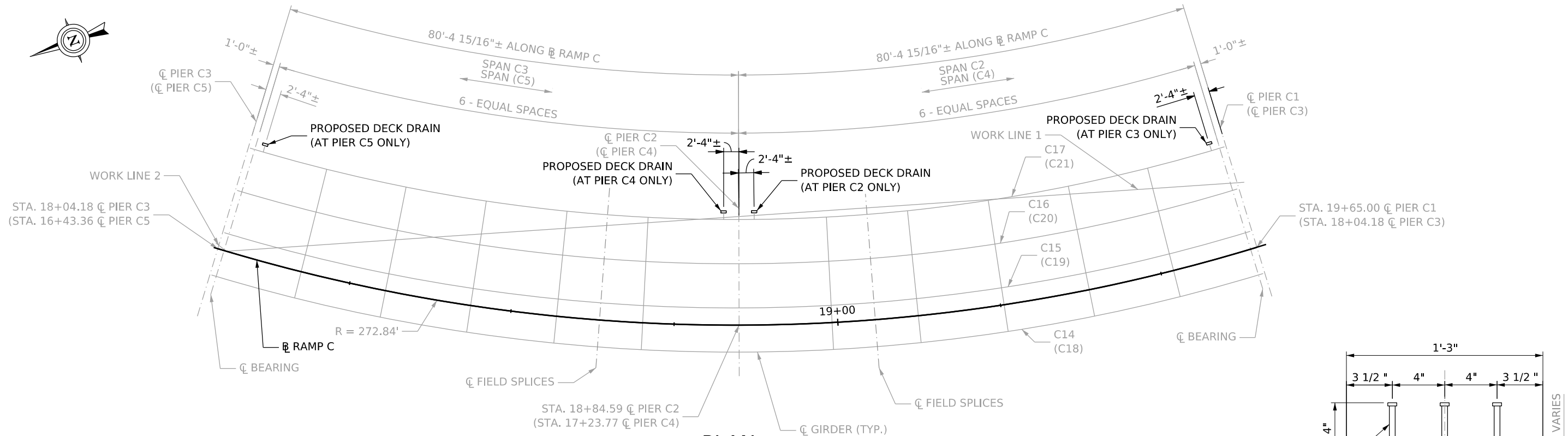
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FRAMING PLAN
SPAN C1

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

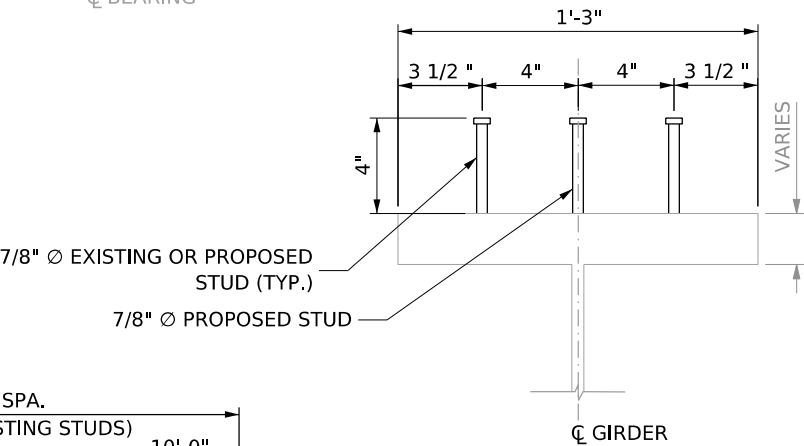
SHEET B17 OF B42
BRIDGE NO. 2563.6

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WV	1	S320-064/00-0.00 00.23	NHPP-0064 (449) D	2024	KANAWHA		

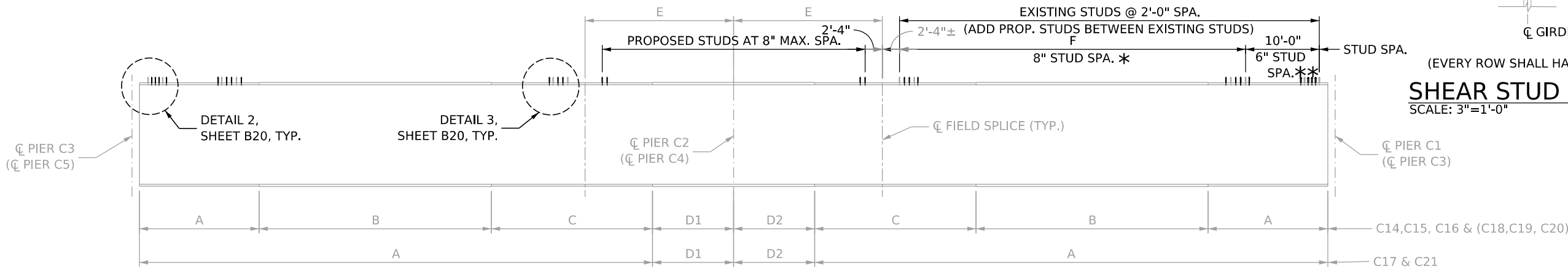


PLAN
SCALE: 1/8"=1'-0"

NOTE: FRAMING PLAN SPANS C2 & C3 AS SHOWN, FRAMING PLAN C4 & C5 SAME EXPECT AS NOTED WITH ()
NOTE: CL OF SUBSTRUCTURES ARE RADIAL.



SHEAR STUD DETAILS
SCALE: 3"=1'-0"



(SHEAR STUD ARE SYMMETRICAL ABOUT CL PIER)

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.

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

NOTE

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

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FRAMING PLAN
SPANS C2-C3 & C4-C5

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DIVISION OF HIGHWAYS
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SHEET B18 OF B42
BRIDGE NO. 2563.6

NOTES

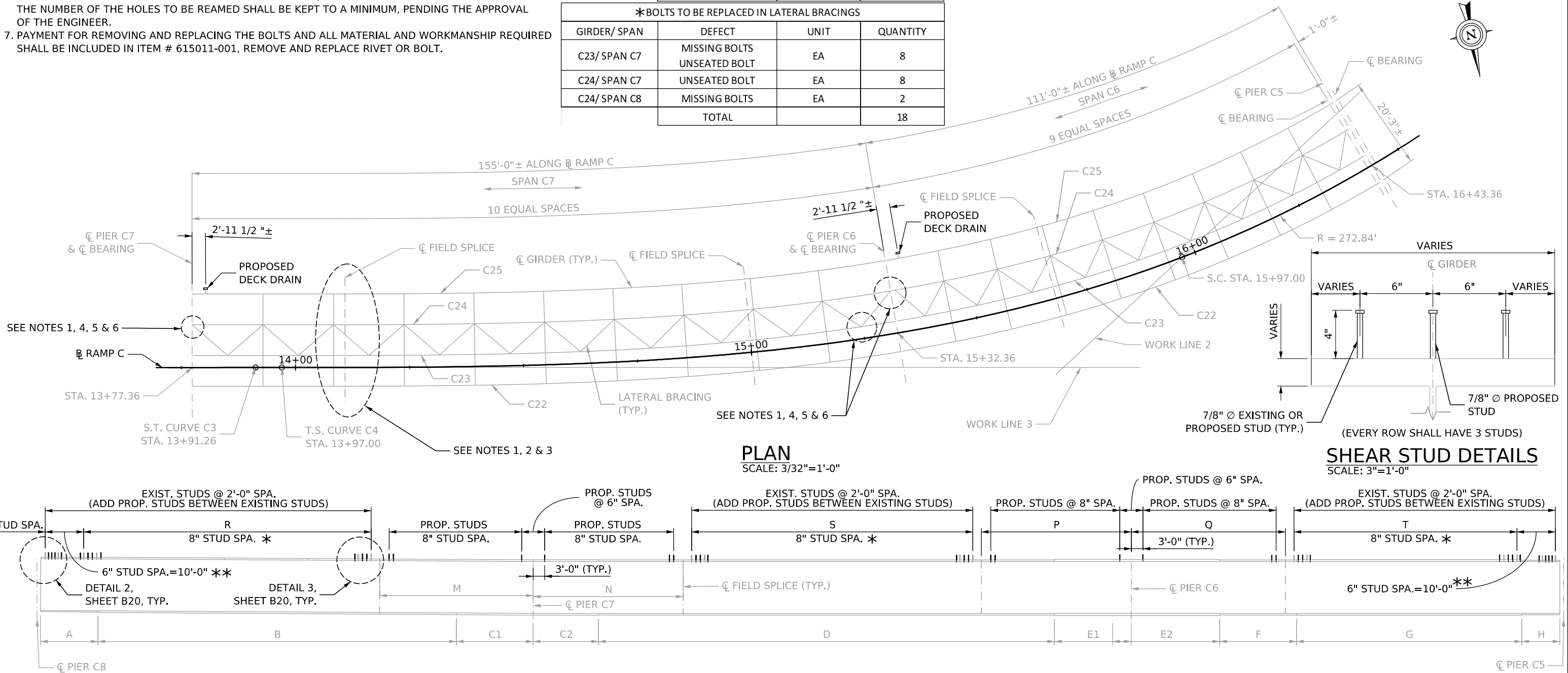
1. ALL NEW BOLTS SHALL BE A325 AND MATCH EXISTING BOLT DIA.
2. REPLACE ALL MISSING AND LOOSE BOLTS AT ALL GIRDER FIELD SPLICES IN SPAN C7 AT LOCATIONS INDICATED IN THIS SHEET.
3. CONTRACTOR SHALL REMOVE THE WELDMENT FROM THE MISSING BOLT HOLES IN THE FIELD SPLICES BY DRILLING THROUGH THE WELDS, AND PLACE 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

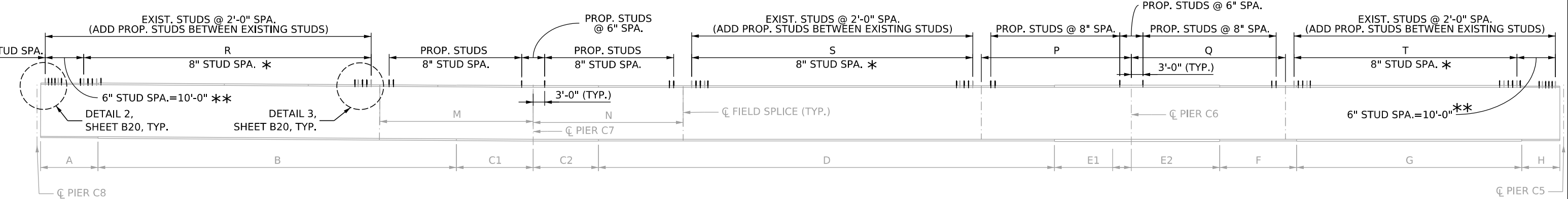
* THE QUANTITIES SHOWN IN THE TABLES ARE OBTAINED FROM THE INSPECTION REPORT DATED OCTOBER 2022.

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

SHEAR STUD DETAILS
SCALE: 3"=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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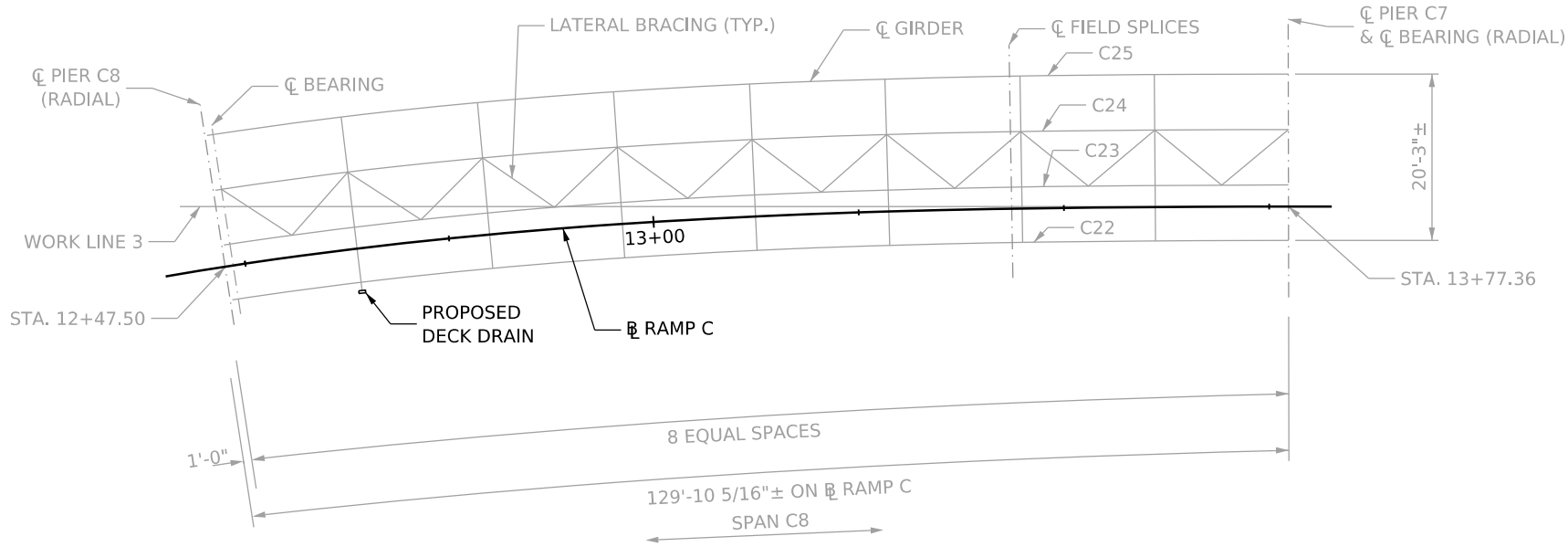
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FRAMING PLAN
SPANS C6-C7

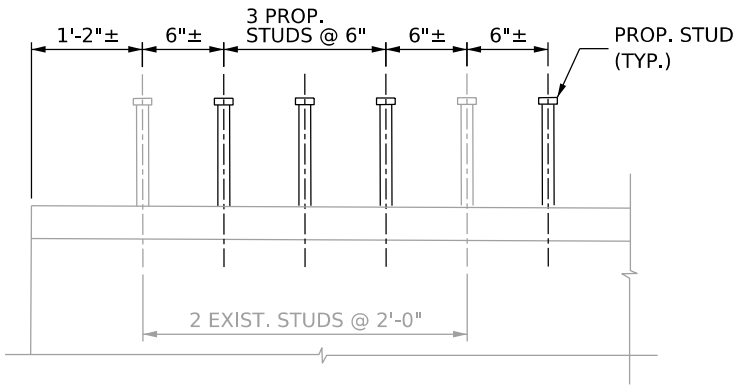
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DIVISION OF HIGHWAYS
FORT HILL BRIDGE RAMP C

SHEET B19 OF B42
BRIDGE NO. 2563.6

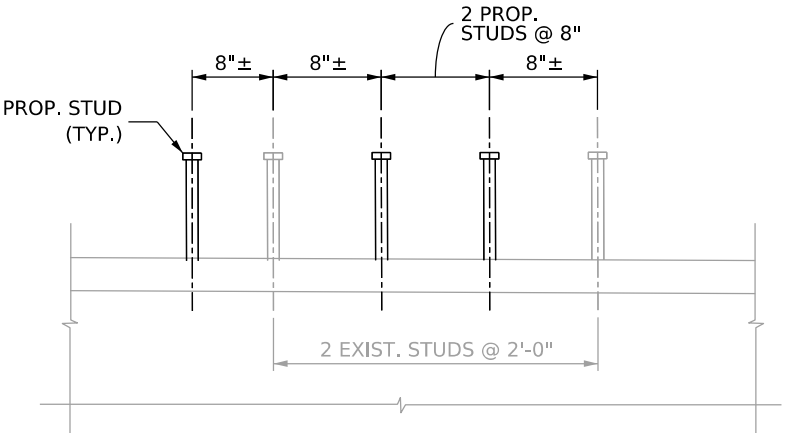
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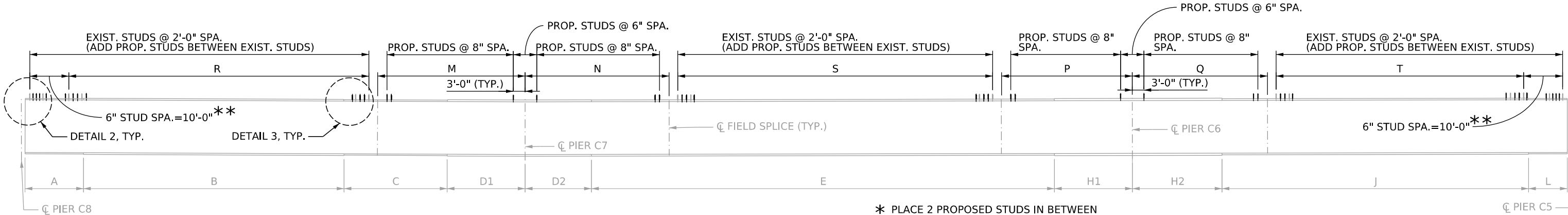
PLAN
SCALE: 3/16"=1'-0"



DETAIL 2
NOT TO SCALE



DETAIL 3
NOT TO SCALE



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.

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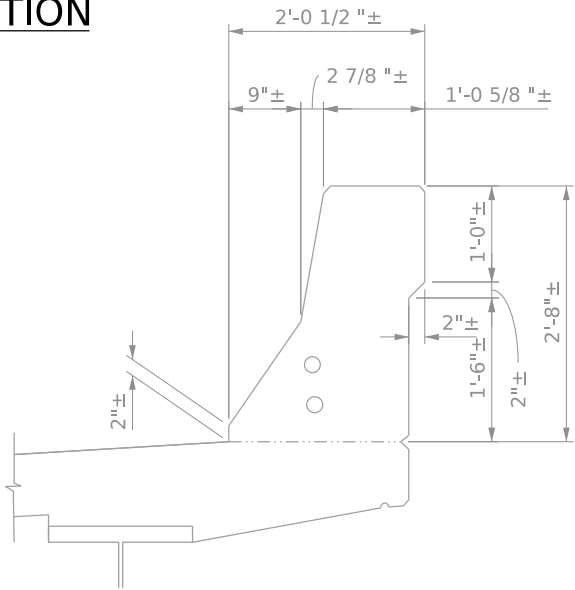
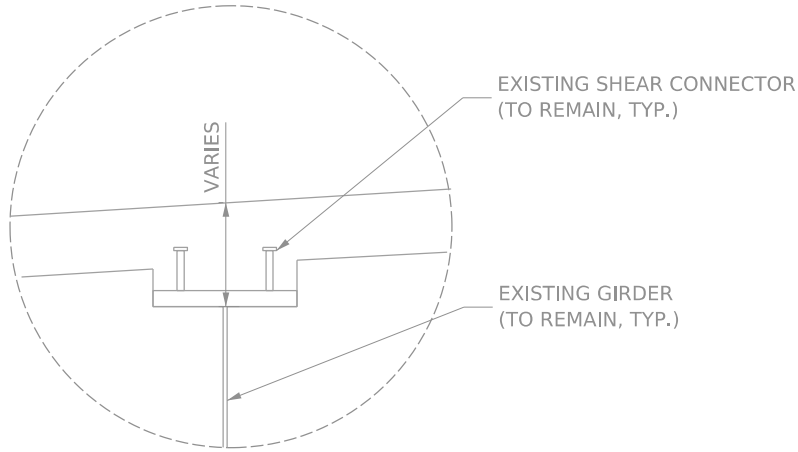
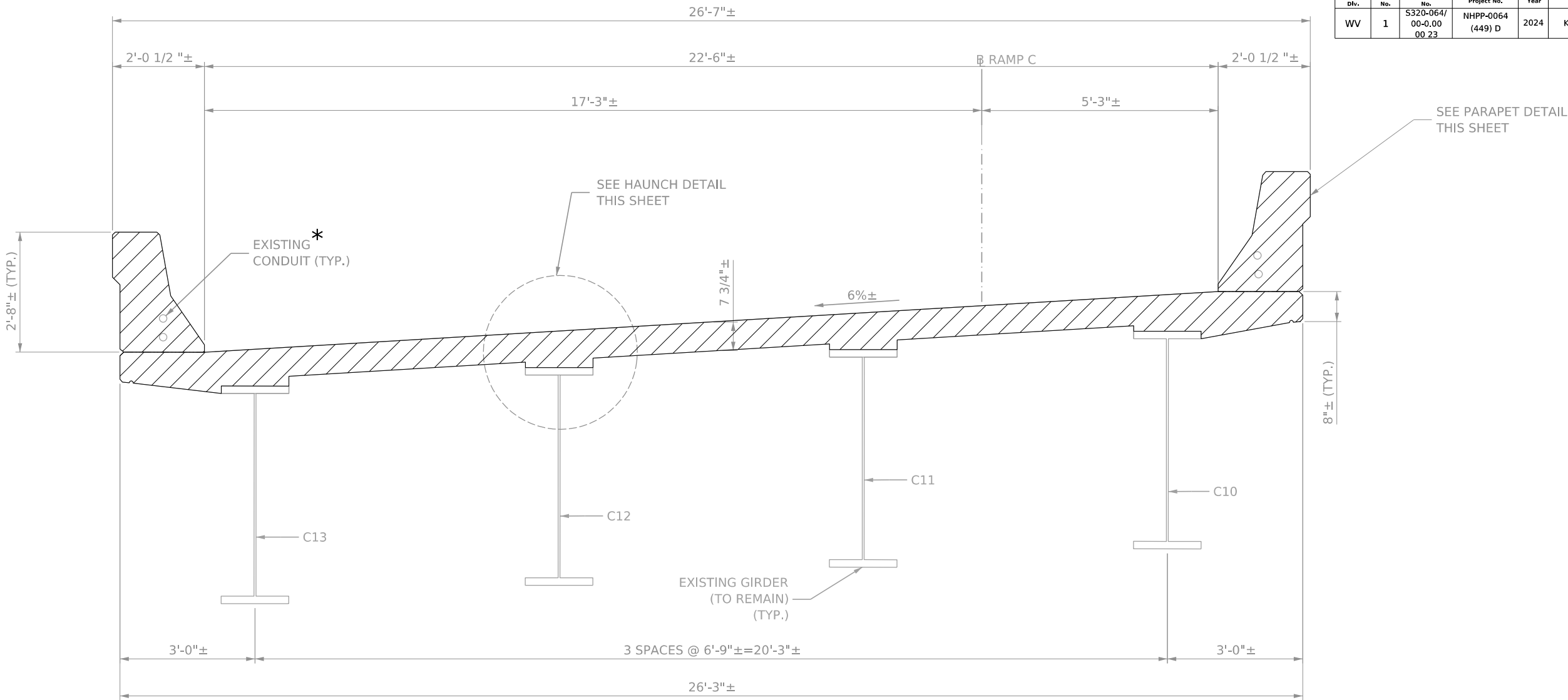
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FRAMING PLAN
SPAN C8

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

SHEET B20 OF B42
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LEGEND

LIMITS OF REMOVAL

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

* EXISTING CONDUITS SHALL BE REMOVED AND REPLACED.

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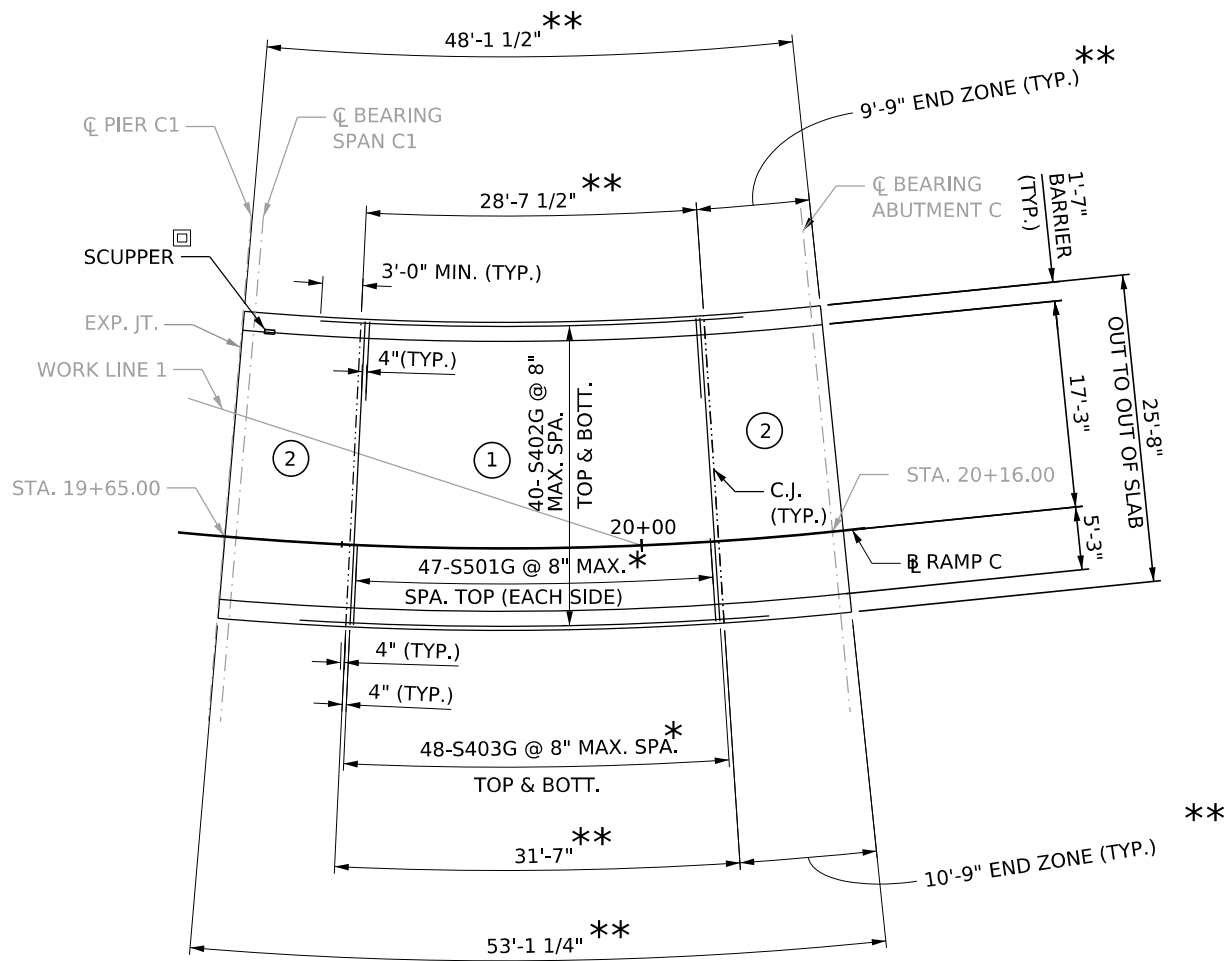
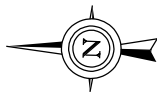
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LIMITS OF REMOVAL

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

SHEET B21 OF B42
BRIDGE NO. 2563.6

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- * 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"

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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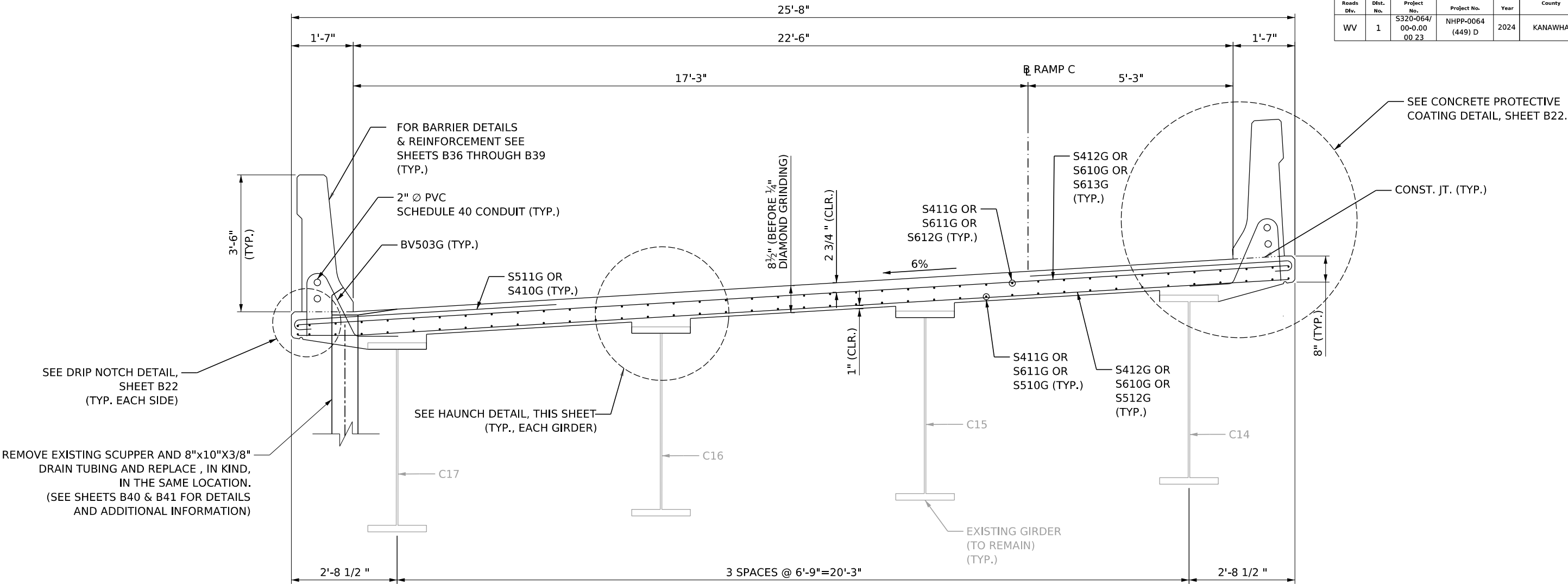
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DECK PLAN
SPAN C1

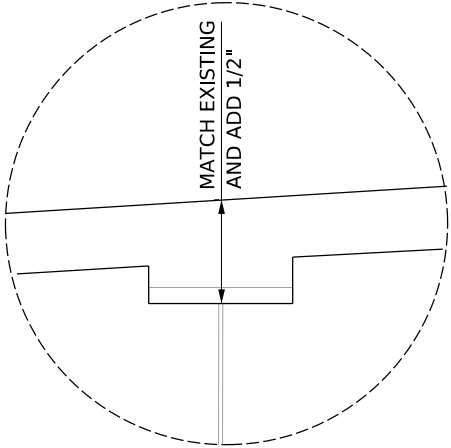
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SHEET B23 OF B42
BRIDGE NO. 2563.6

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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.

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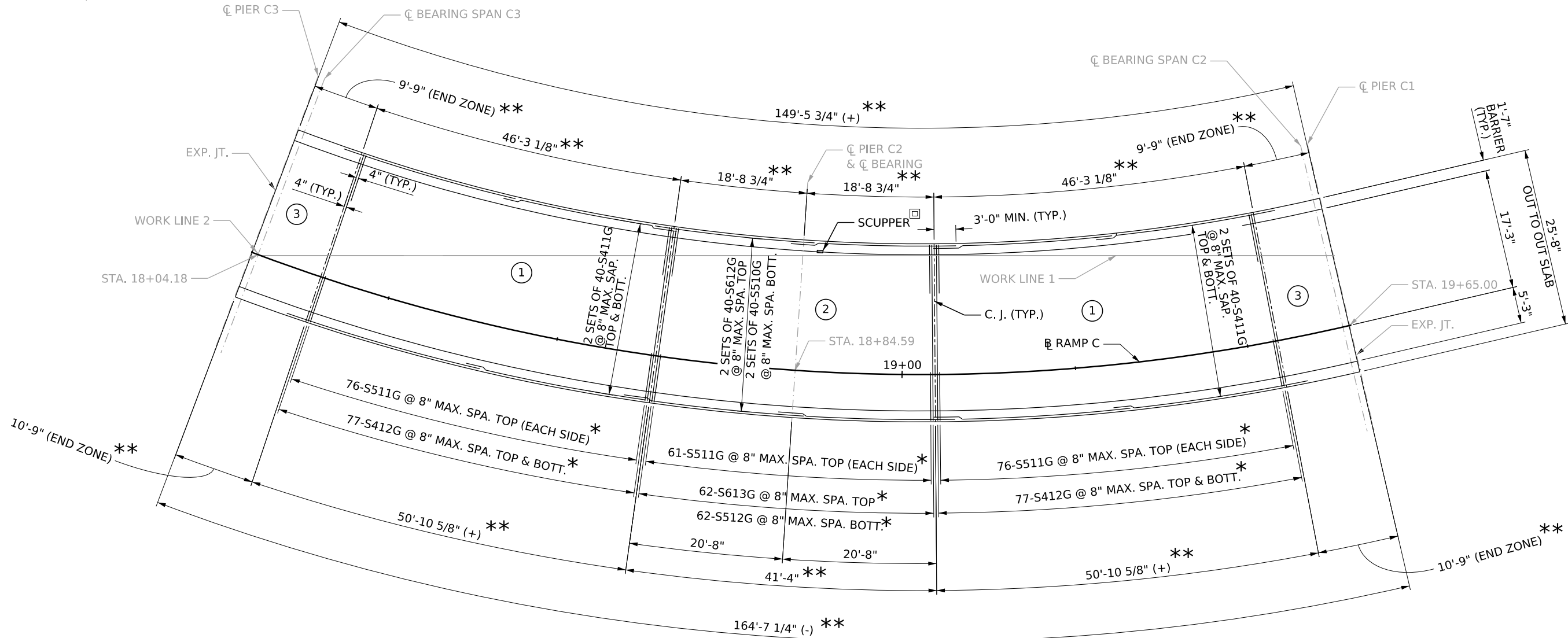
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TYPICAL SECTION
SPANS C2-C3

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
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SHEET B24 OF B42
BRIDGE NO. 2563.6

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

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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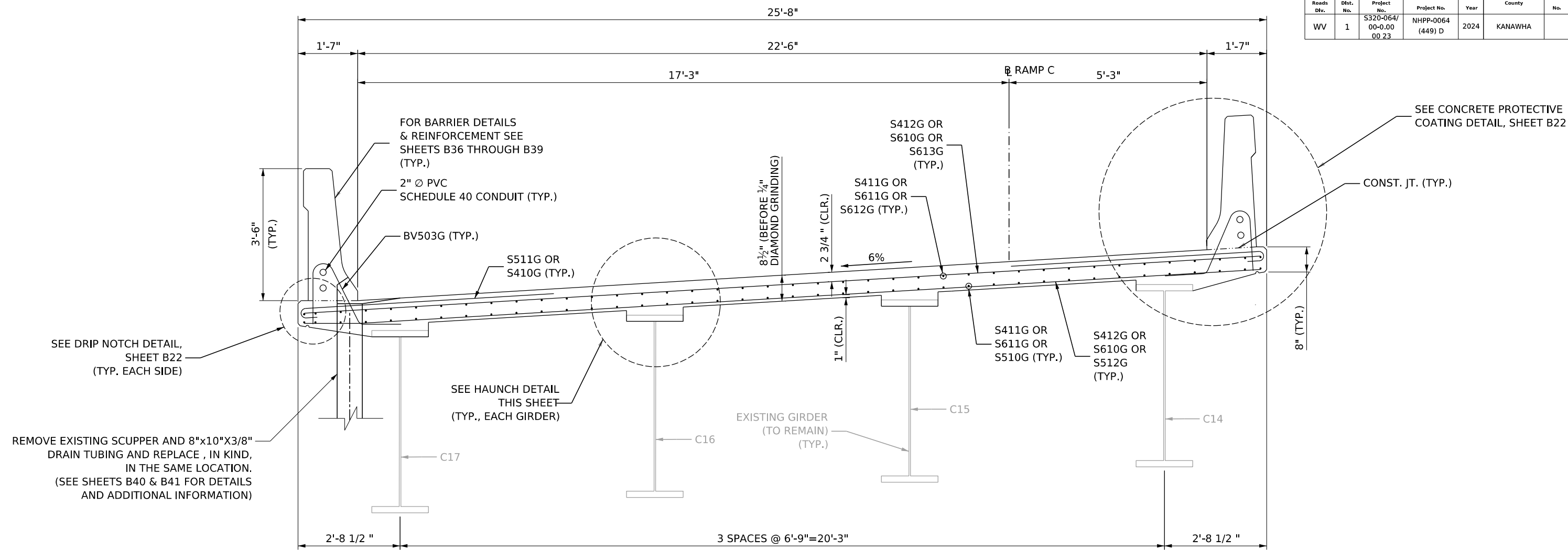
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DECK PLAN
SPANS C2-C3

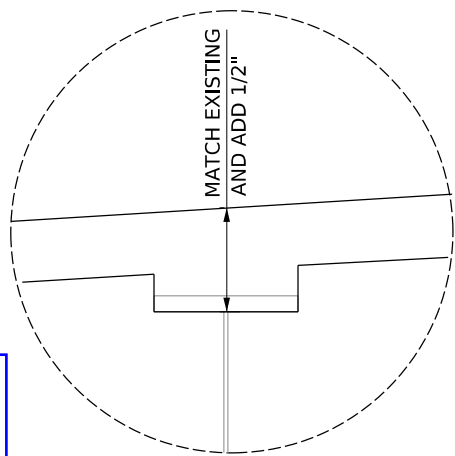
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FORT HILL BRIDGE RAMP C

SHEET B25 OF B42
BRIDGE NO. 2563.6

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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.

REV. NO.	SHEET NO.	REVISION	DATE	BY

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

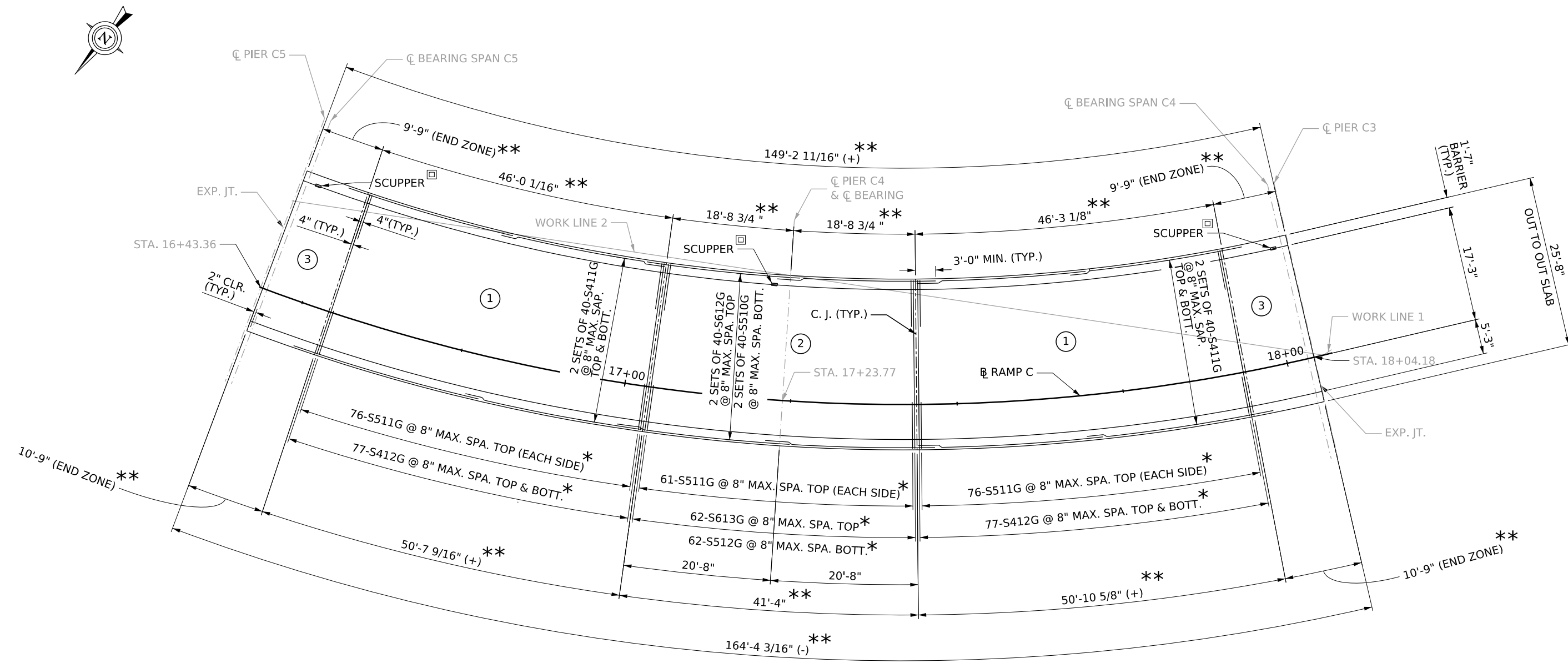
DESIGNED	DRAWN	DATE
CHECKED	CHECKED	12/2025

**TYPICAL SECTION
SPANS C4-C5**

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

SHEET B26 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		



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.

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		

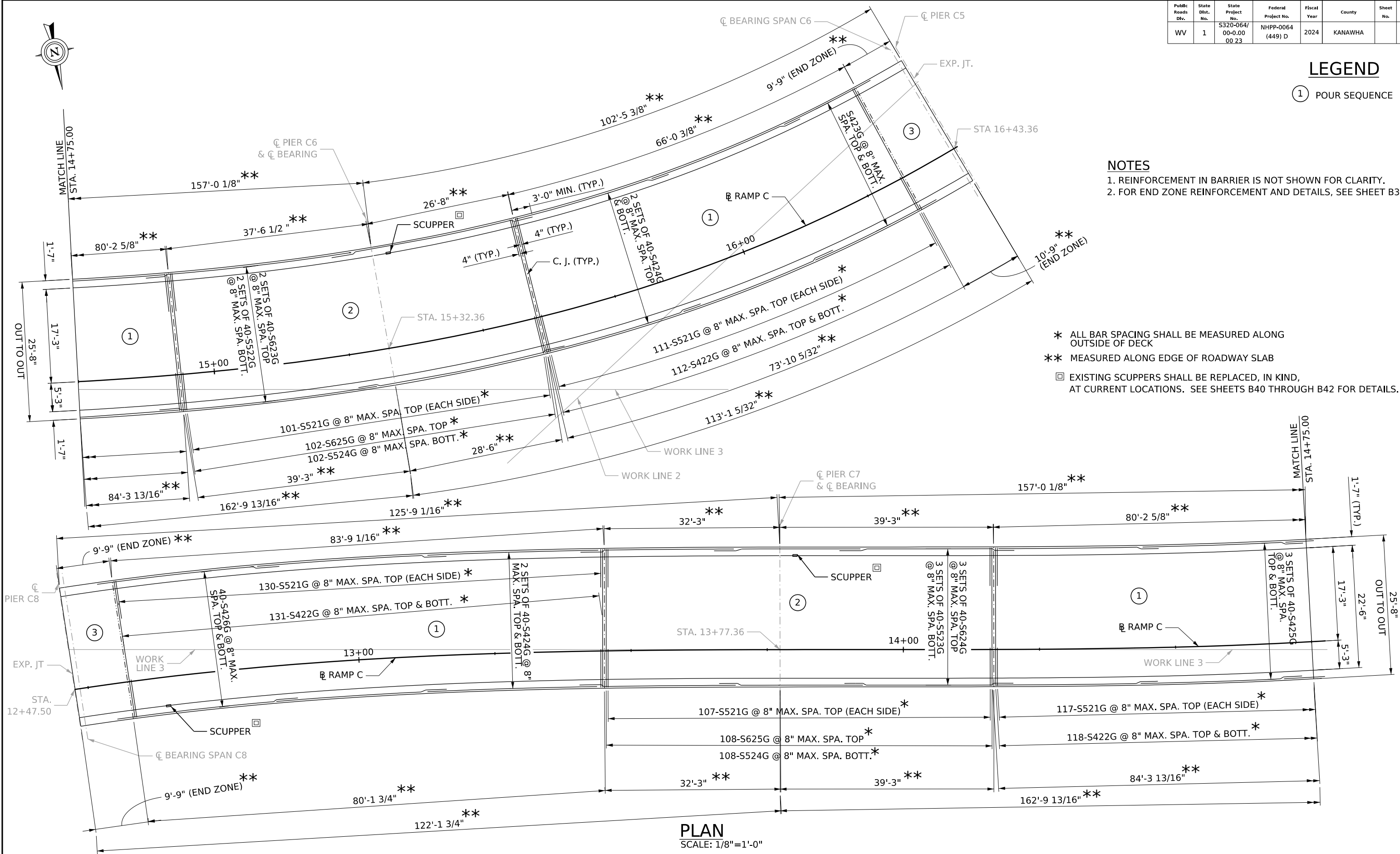
LEGEND

① POUR SEQUENCE

NOTES

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

- * ALL BAR SPACING SHALL BE MEASURED ALONG OUTSIDE 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
SCALE: 1/8"=1'-0"

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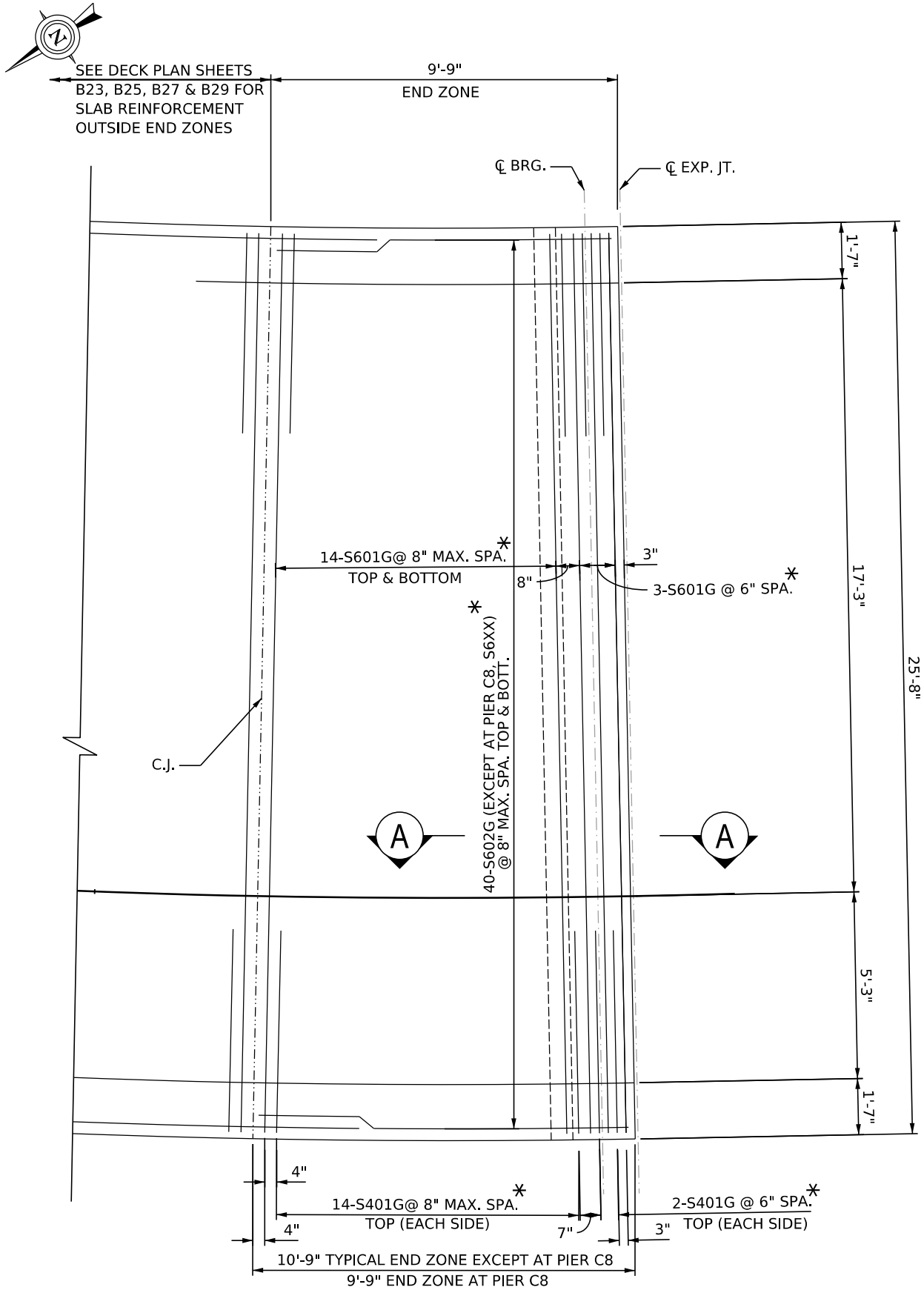
DESIGNED	DRAWN	DATE
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DECK PLAN
SPANS C6-C7-C8

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

SHEET
B29 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	5320-064/00-0.00 00 23	NHPP-0064 (449) D	2024	KANAWHA		



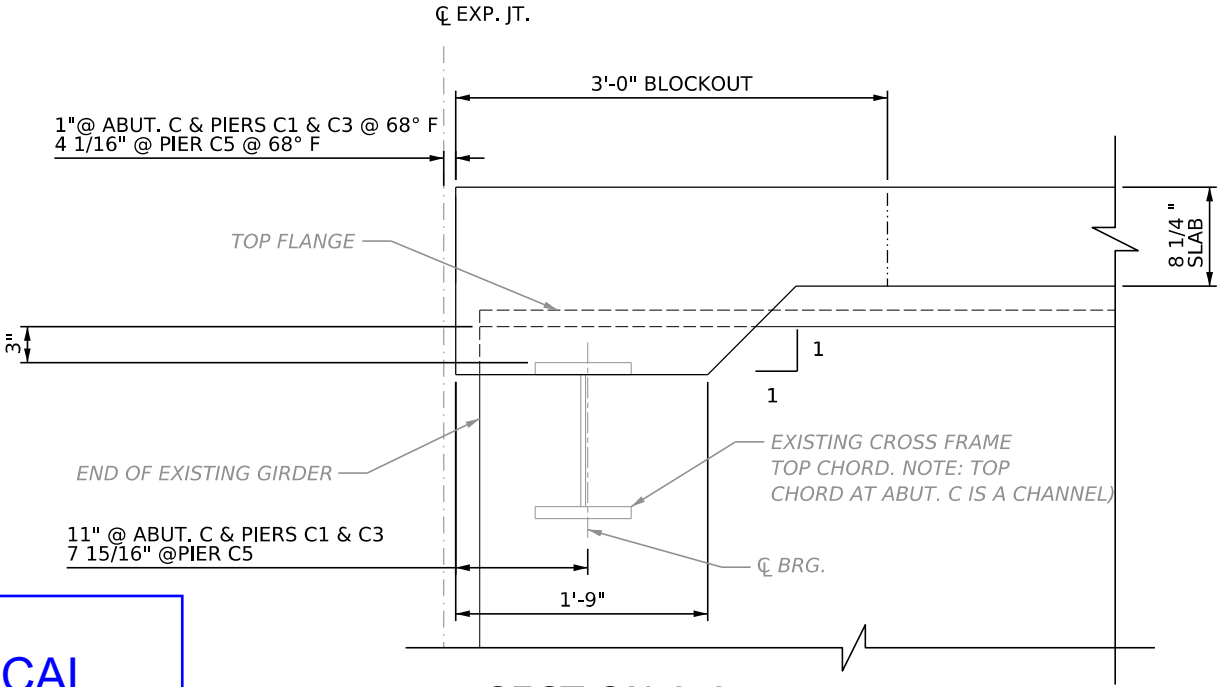
(FOR SLAB END BEAM DETAILS AND ADDITIONAL REINFORCEMENT AT SLAB END BEAM, SEE SECTION A-A, THIS SHEET)

SLAB END ZONE PLAN

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

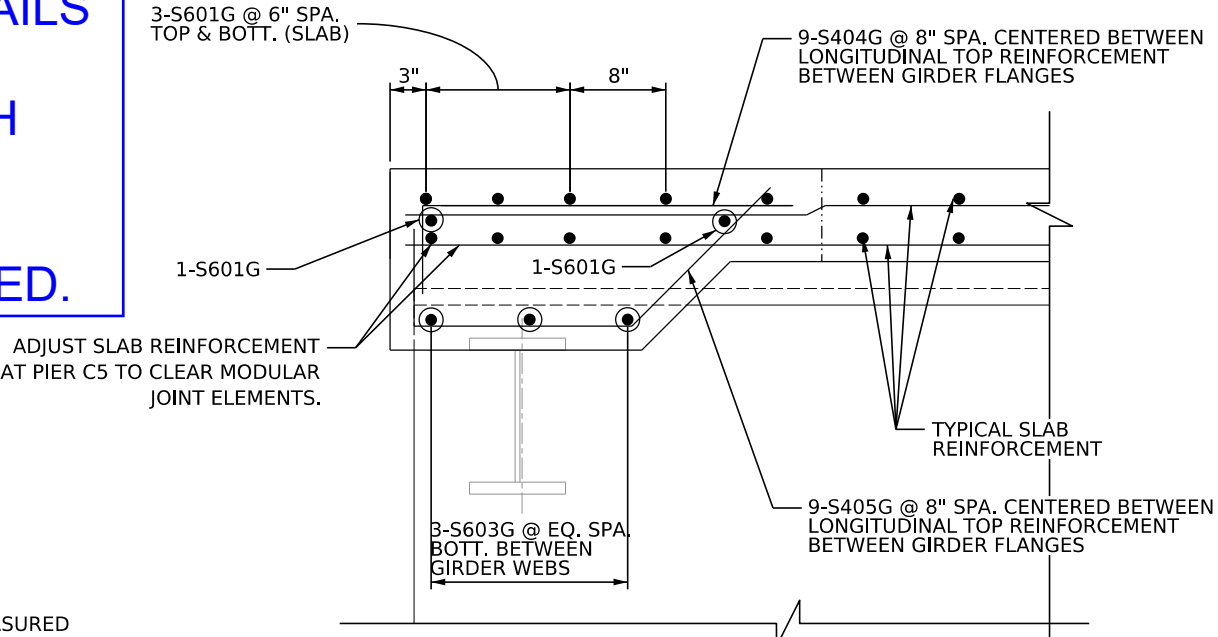
NOTE: END ZONE DETAILS ARE TYPICAL EXCEPT AT ABUTMENT. ABUTMENT WILL BE CONVERTED (BY OTHERS). NEW DETAILS WILL BE REQUIRED. COORDINATION WITH EUGENE CARTER MEMORIAL BRIDGE PROJECT IS REQUIRED.

* 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"

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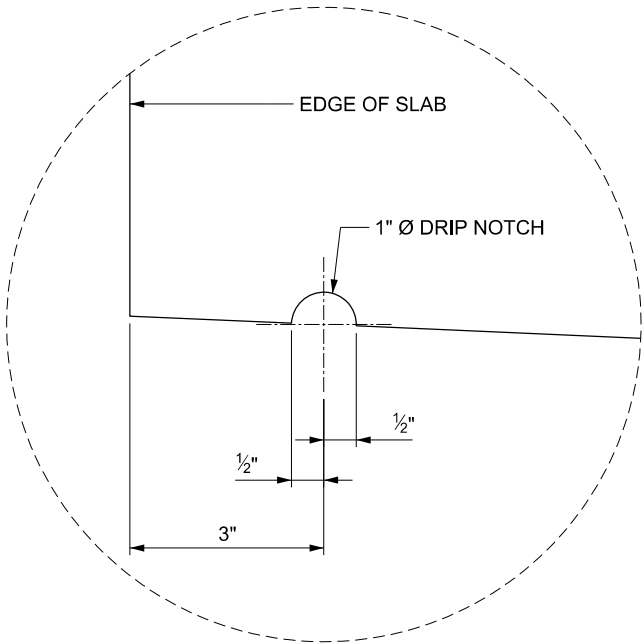
DESIGNED	DRAWN	DATE
CHECKED	CHECKED	12/2025

SLAB END ZONE DETAILS

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

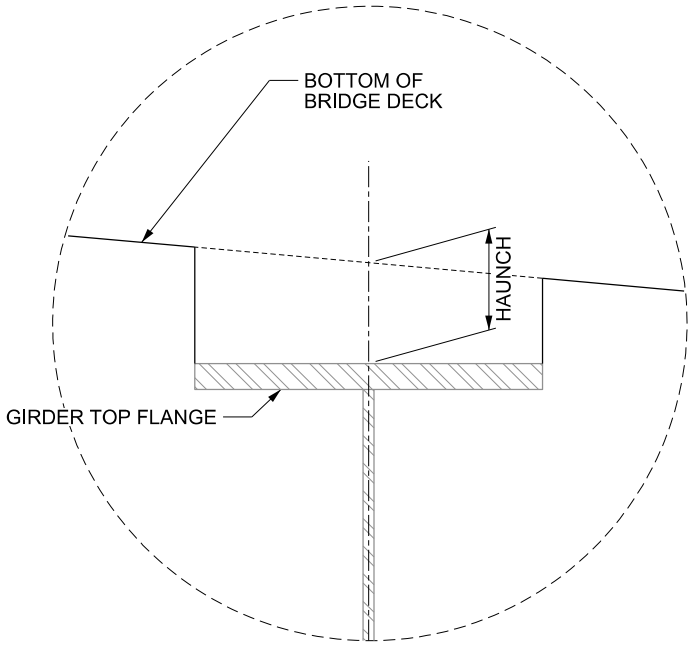
SHEET B30 OF B42
BRIDGE NO. 2563.6

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		



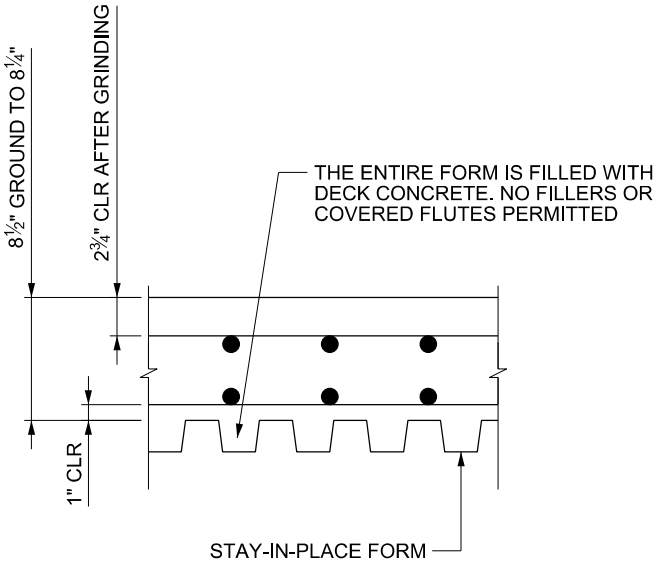
NOTE: TYPICAL EACH EDGE OF SLAB
FULL LENTH OF DECK.

DRIP NOTCH DETAIL
NOT TO SCALE

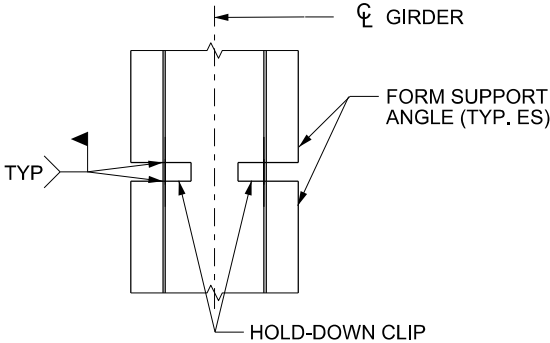


NOTE: TYPICAL EACH GIRDER.

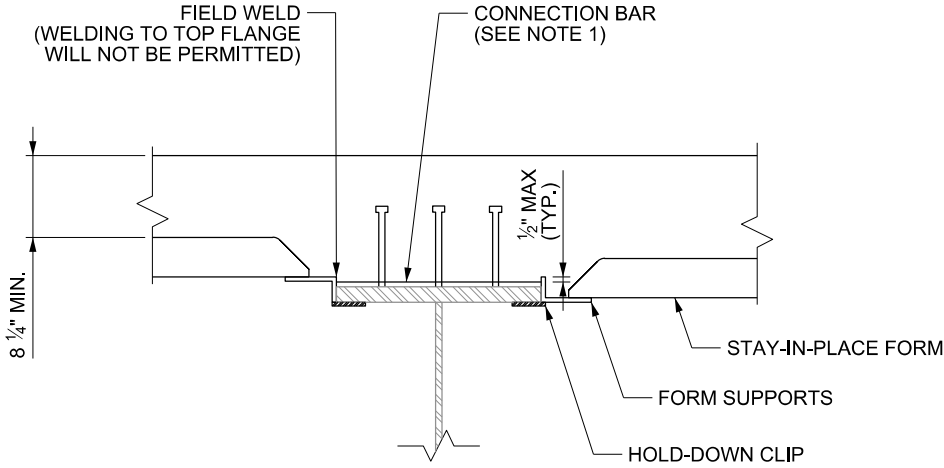
HAUNCH DETAIL
NOT TO SCALE



DECK SECTION
NOT TO SCALE



PLAN STEEL BEAM
NOT TO SCALE



ELEVATION STEEL BEAM
NOT TO SCALE

NOTE
1. THE FORM SUPPORTS SHALL NOT PROTRUDE INTO THE DECK MORE THAN 1/2" ABOVE THE TOP OF THE CONNECTION BAR OR PRECAST INSERT NOR SHALL IT INTERFERE WITH THE NOMINAL SLAB THICKNESS.

REV. NO.	SHEET NO.	REVISION	DATE	BY

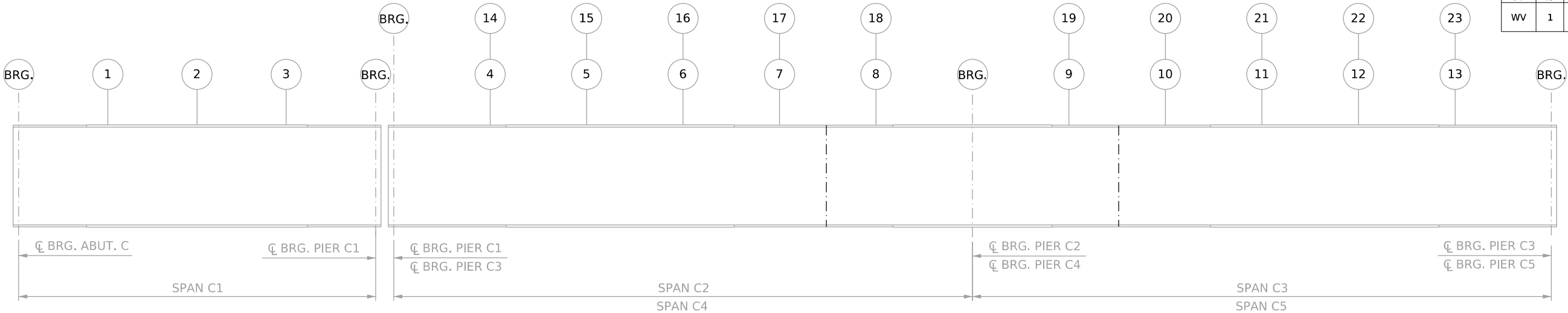
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DECK DETAILS

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

SHEET B31 OF B42
BRIDGE NO. 2563.6



POINTS OF TOP OF SLAB ELEVATIONS
NOT TO SCALE

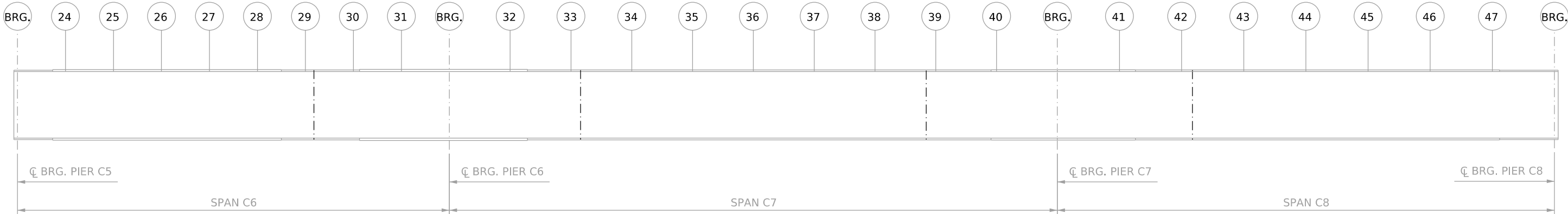
TOP OF SLAB ELEVATIONS (SPAN C1)								
POINT	GIRDER C10		GIRDER C11		GIRDER C12		GIRDER C13	
	ELEVATION	DEF.	ELEVATION	DEF.	ELEVATION	DEF.	ELEVATION	DEF.
CL BRG. ABUT. C	700.192		699.788		699.383		698.978	
1	700.148		699.744		699.339		698.934	
2	700.066		699.662		699.257		698.852	
3	699.948		699.544		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.

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



POINTS OF TOP OF SLAB ELEVATIONS
NOT TO SCALE

TOP OF SLAB ELEVATIONS (SPANS C6-C7-C8))								
POINT	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	

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.

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

1. 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

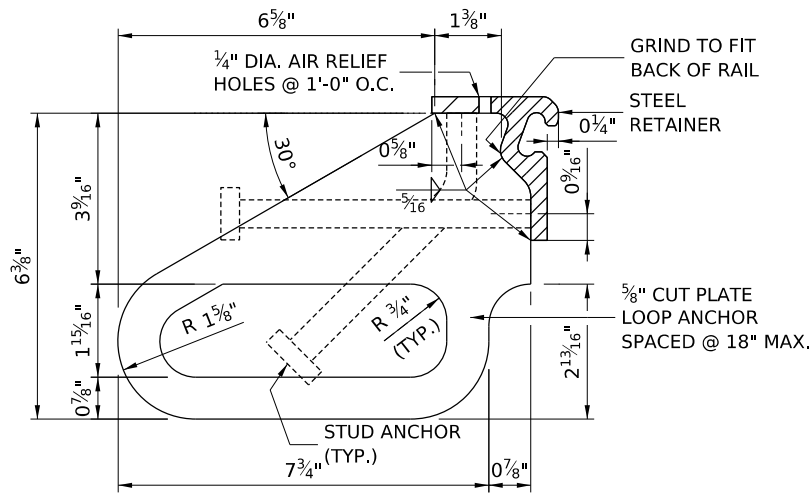
DESIGNED	DRAWN	DATE
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TOP OF SLAB ELEVATIONS
SPANS C6-C7-C8

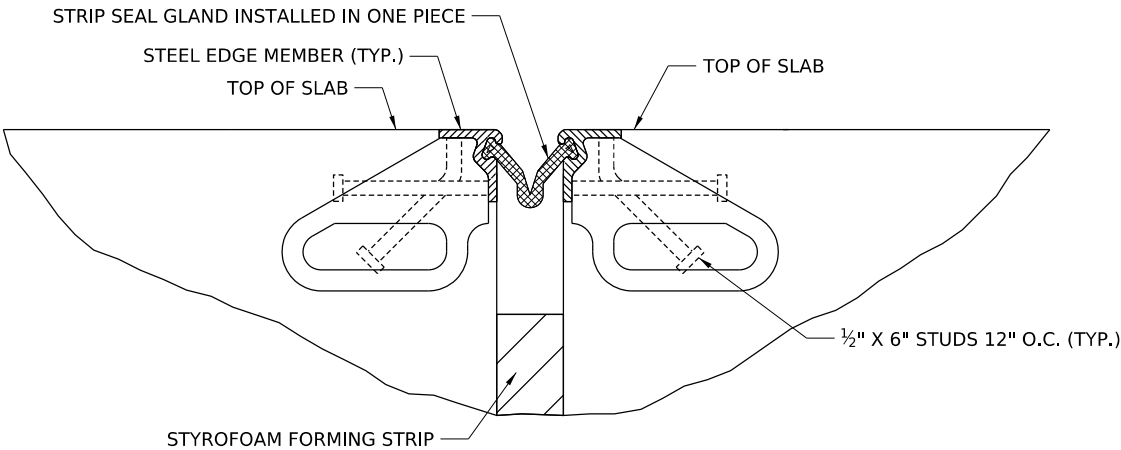
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
FORT HILL BRIDGE RAMP C

SHEET B33 OF B42
BRIDGE NO. 2563.6

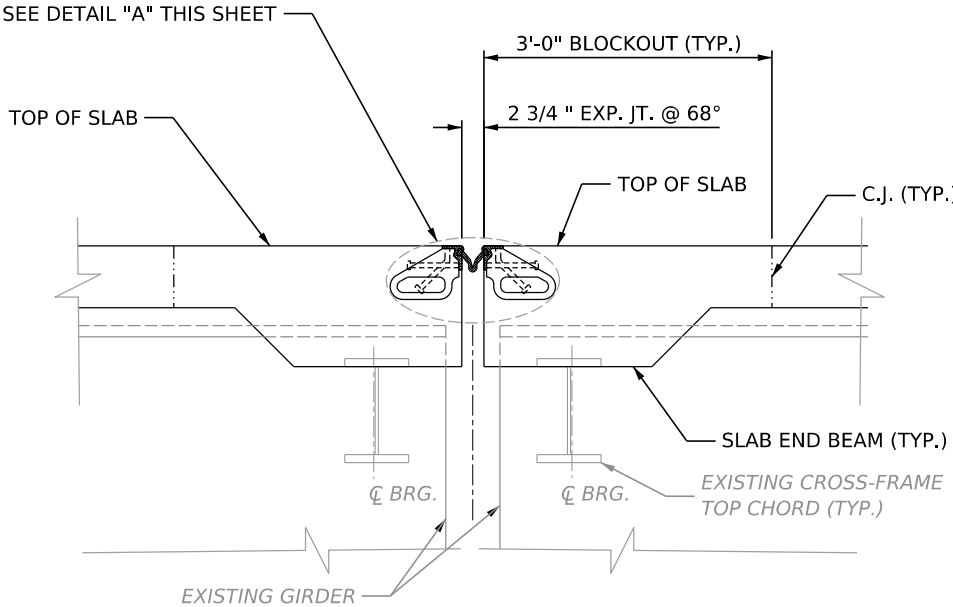
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	1	S320-064/00-0.00 00 23	NHPP-0064 (449) D	2024	KANAWHA	058	



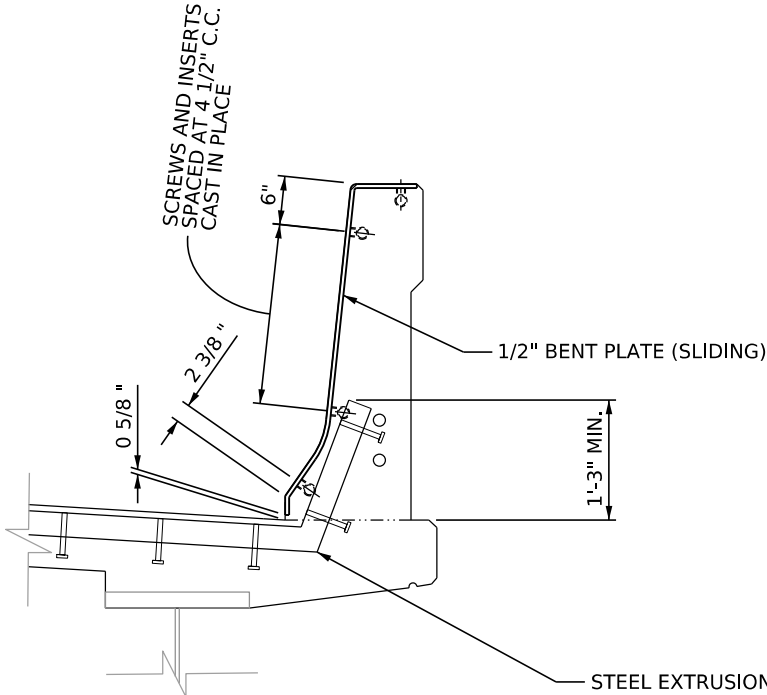
DETAIL A
SCALE: 6"=1'-0"



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



EXPANSION JOINT @ PIERS C1 & C3
SCALE: 1"=1'-0"



**PARTIAL TRANSVERSE SECTION
THROUGH EXPANSION JOINT**
SCALE: 1"=1'-0"

REV. NO.	SHEET NO.	REVISION	DATE	BY

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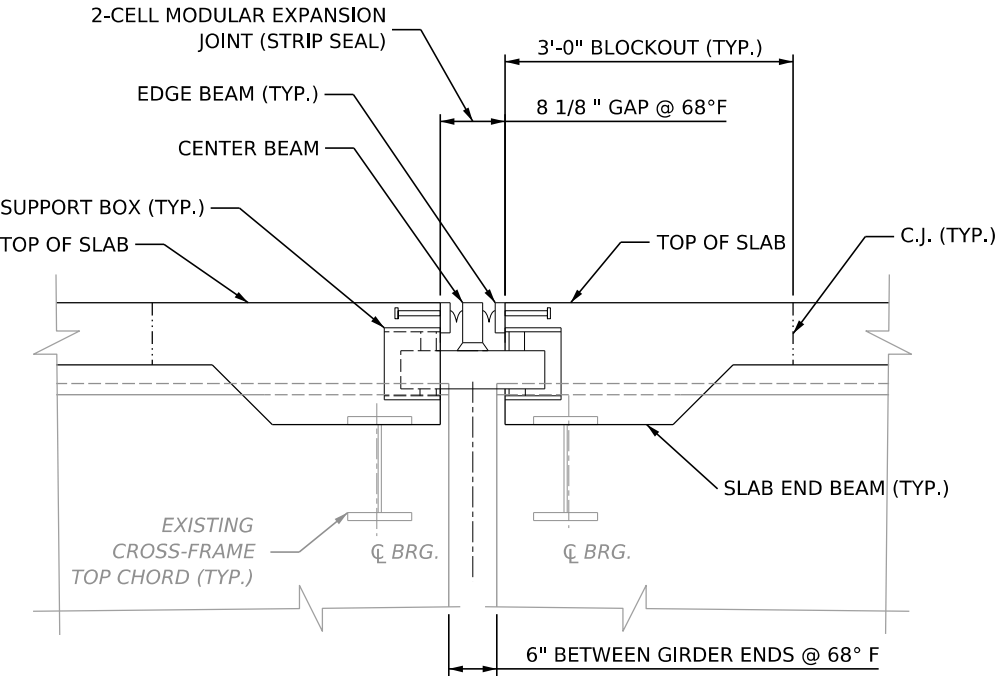
DESIGNED	DRAWN	DATE
CHECKED	CHECKED	12/2025

**EXPANSION JOINT DETAILS
PIERS C1, C3, & C8**

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

SHEET B34 OF B42
BRIDGE NO. 2563.6

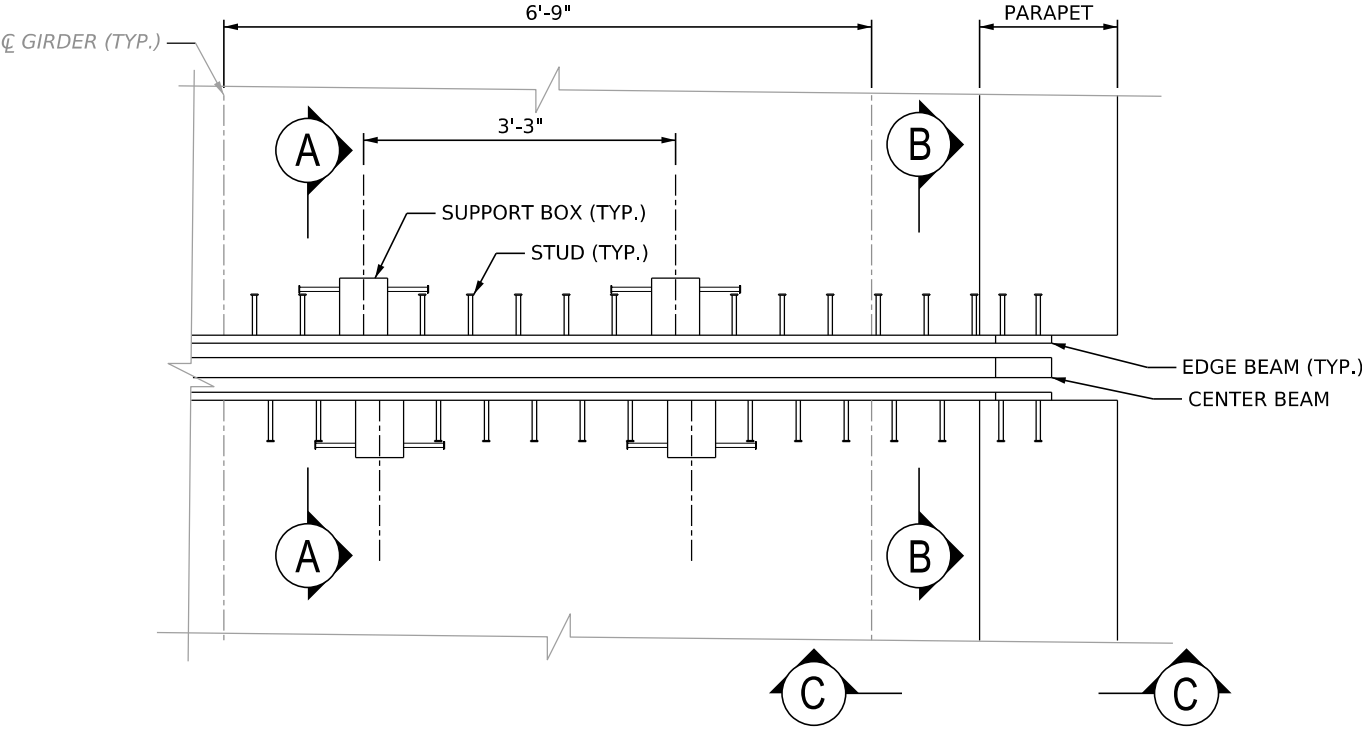
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	1	S320-064/ 00-0.00 00 23	NHPP-0064 (449) D	2024	KANAWHA		



SECTION A-A

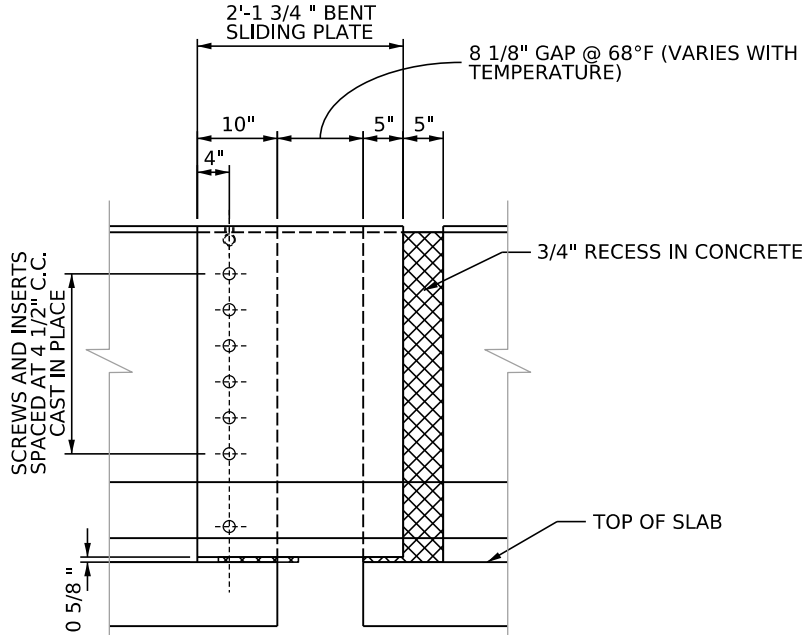
MODULAR EXPANSION JOINT @ PIER C5

NOT TO SCALE (SEE NOTES, THIS SHEET)



CONCEPTUAL PARTIAL PLAN

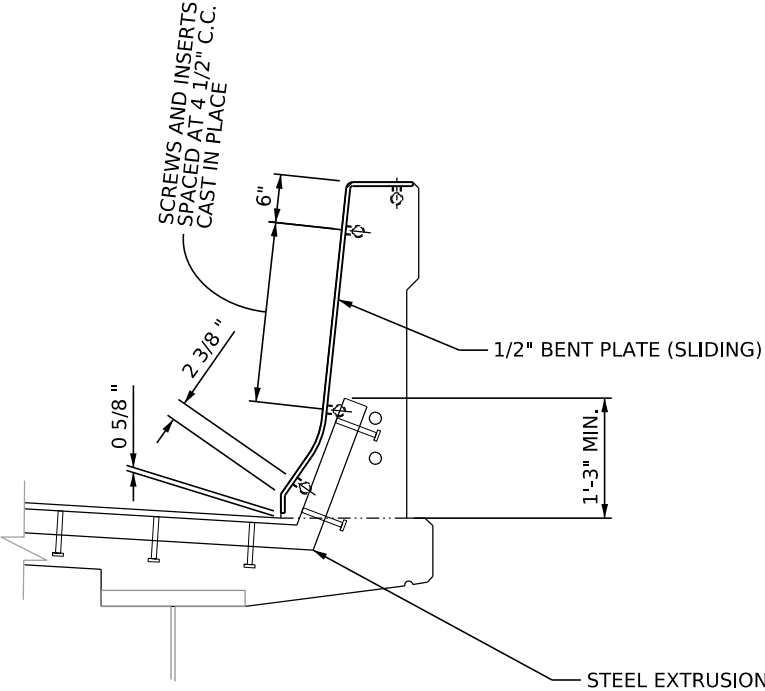
NOT TO SCALE (SEE NOTES, THIS SHEET)



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

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TERRADON CORPORATION
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FAX: 304-755-2636

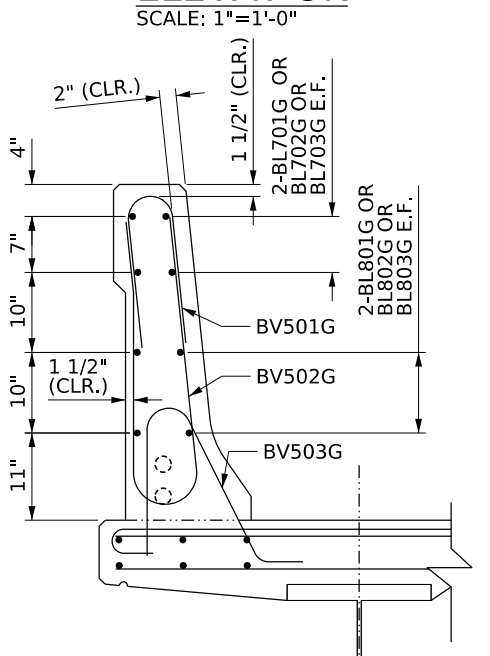
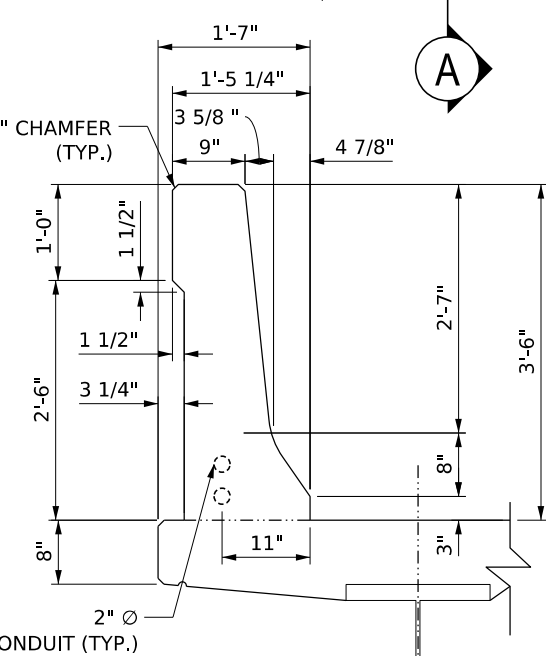
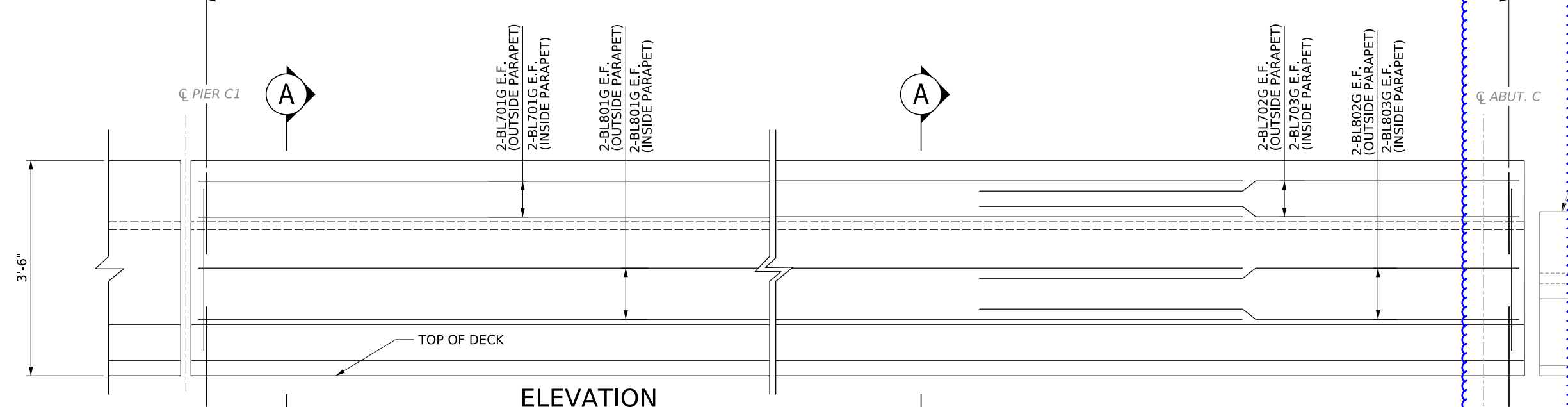
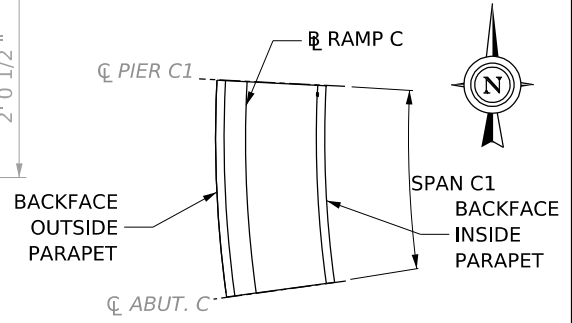
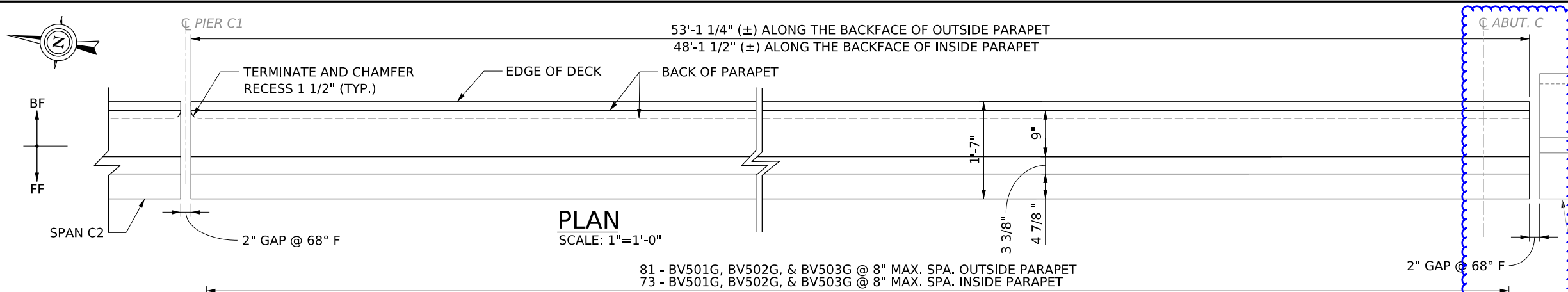
DESIGNED	DRAWN	DATE
CHECKED	CHECKED	12/2025

MODULAR EXPANSION JOINT DETAILS
PIER C5

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

SHEET B35 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		



NOTE: END OF BARRIER AT ABUTMENT IS SHOWN ENDING AT AN EXPANSION JOINT PER ORIGINAL SCOPE . DETAIL WILL CHANGE WHEN ABUTMENT IS CONVERTED (BY OTHERS)

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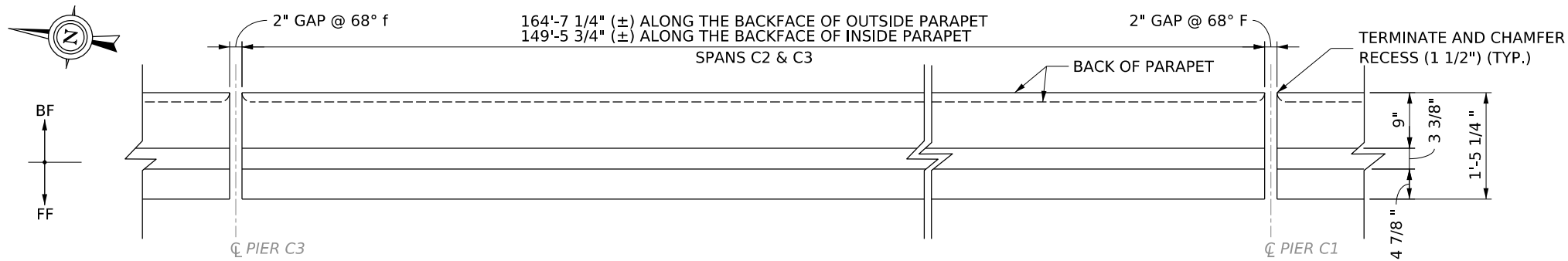
DESIGNED	DRAWN	DATE
CHECKED	CHECKED	12/2025

BARRIER REINFORCEMENT DETAILS
SPAN C1

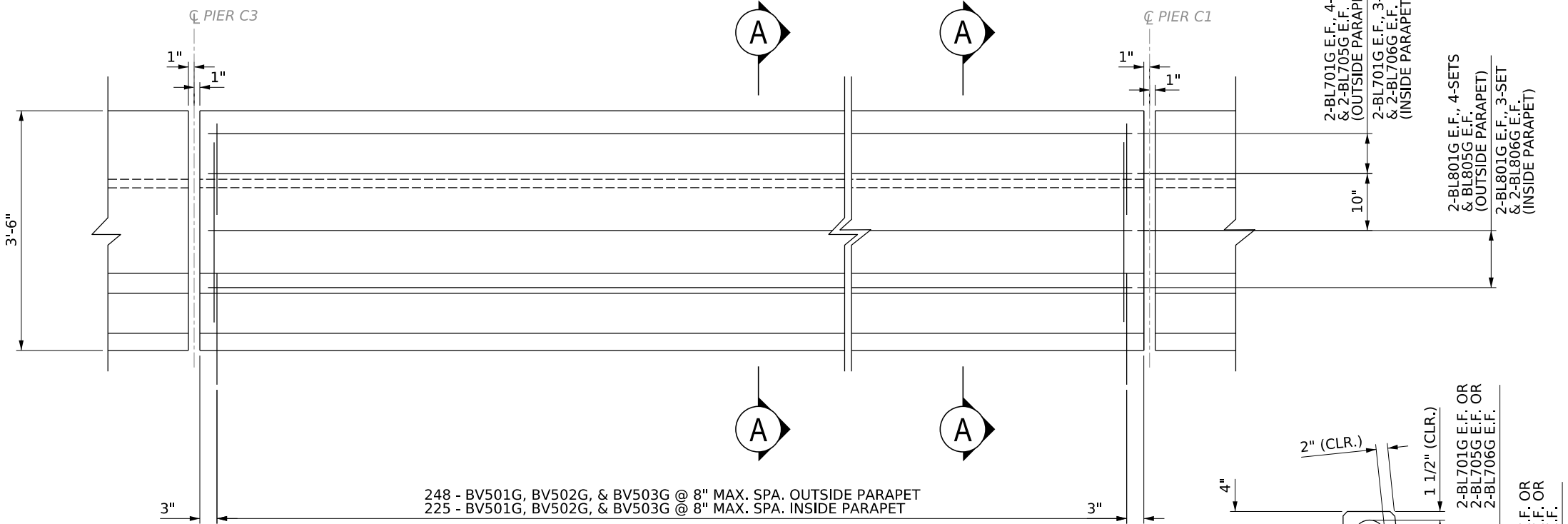
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
FORT HILL BRIDGE RAMP C

SHEET B36 OF B42
BRIDGE NO. 2563.6

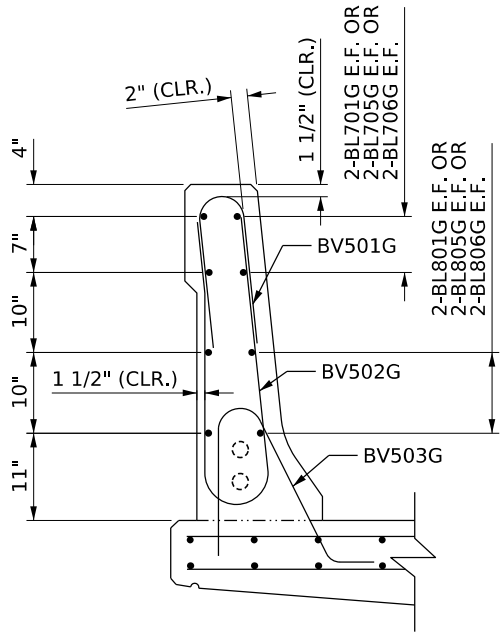
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	1	S320-064/00-0.00 00 23	NHPP-0064 (449) D	2024	KANAWHA		



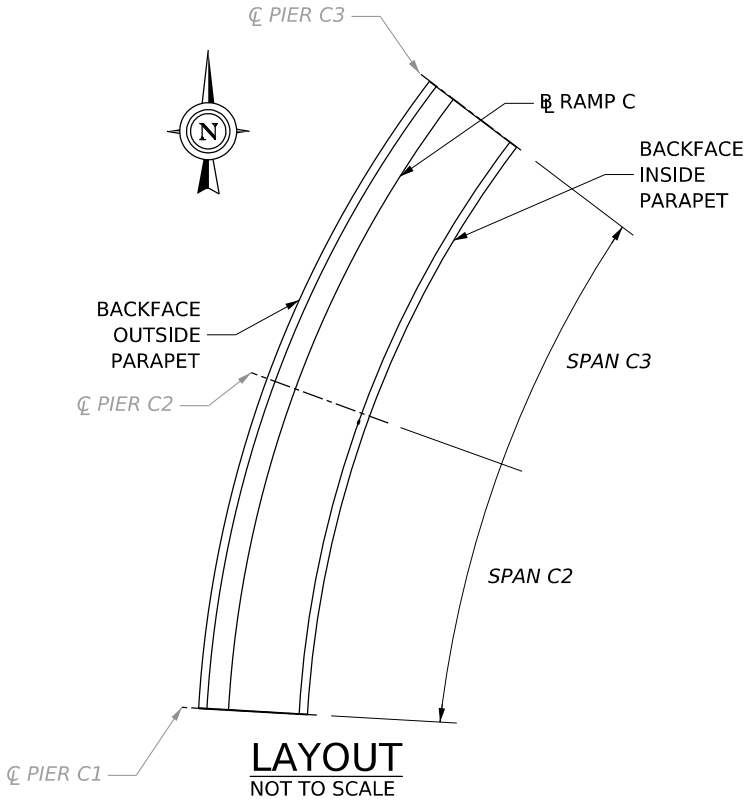
PLAN
SCALE: 1"=1'-0"



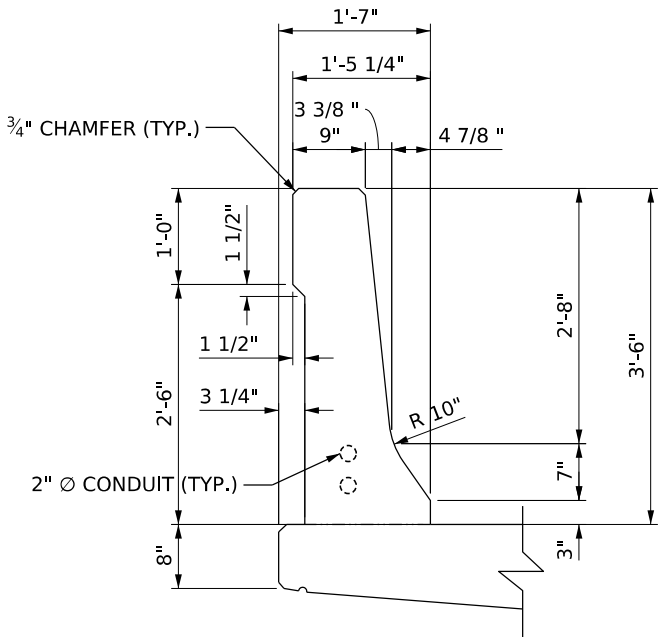
ELEVATION
SCALE: 1"=1'-0"



BARRIER REINFORCING



LAYOUT
NOT TO SCALE



BARRIER DETAIL

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

REV. NO.	SHEET NO.	REVISION	DATE	BY

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

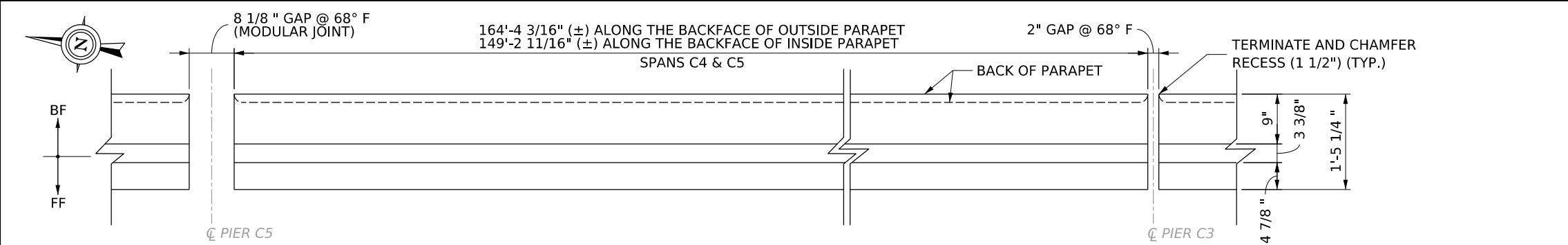
DESIGNED	DRAWN	DATE
CHECKED	CHECKED	12/2025

BARRIER REINFORCEMENT DETAILS
SPANS C2-C3

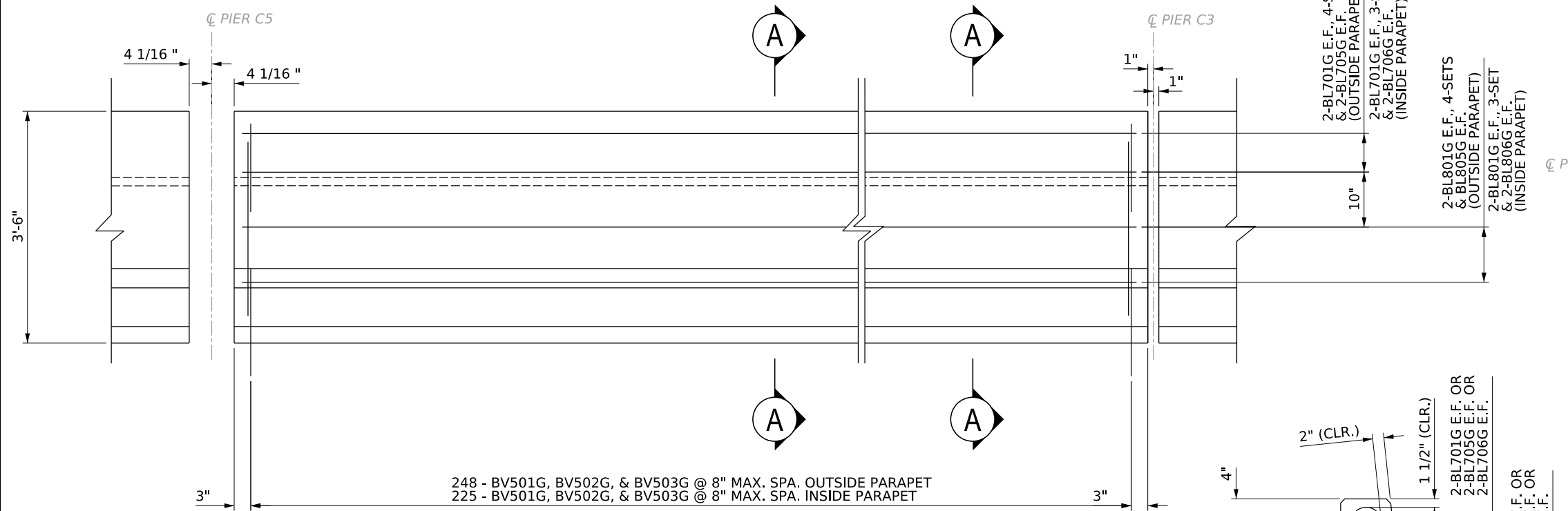
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
FORT HILL BRIDGE RAMP C

SHEET B37 OF B42
BRIDGE NO. 2563.6

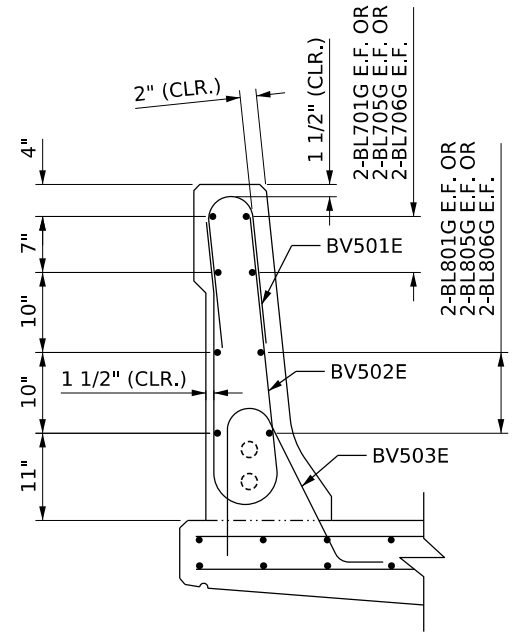
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	1	S320-064/00-0.00 00 23	NHPP-0064 (449) D	2024	KANAWHA		



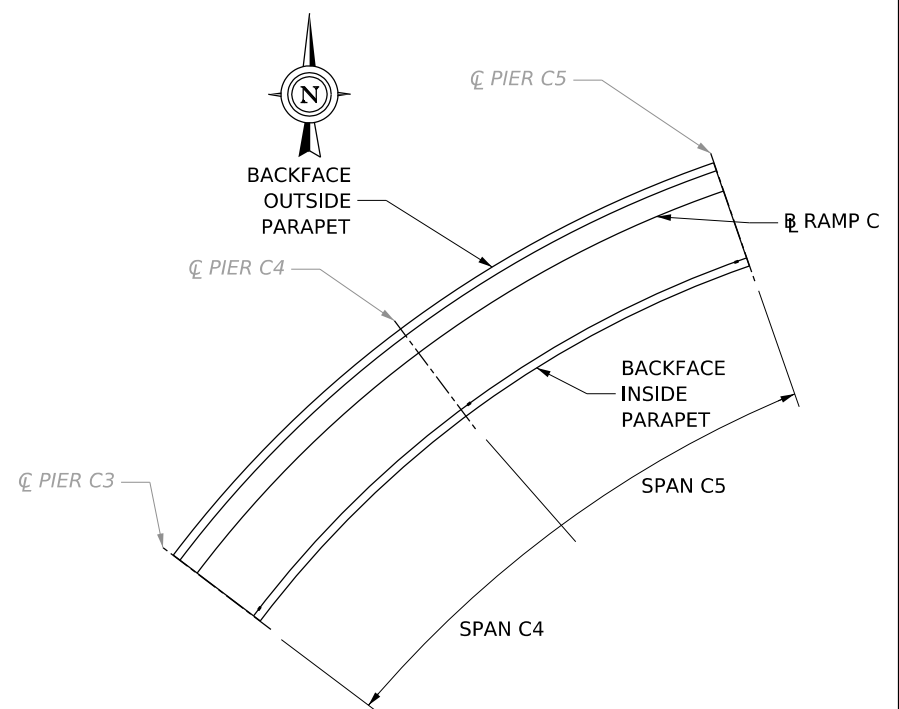
PLAN
SCALE: 1"=1'-0"



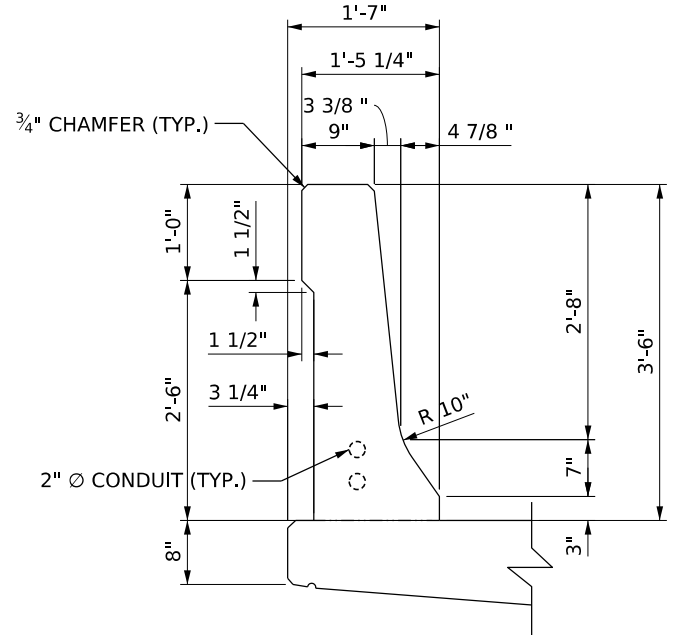
ELEVATION
SCALE: 1"=1'-0"



BARRIER REINFORCING



LAYOUT
NOT TO SCALE



BARRIER DETAIL

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

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

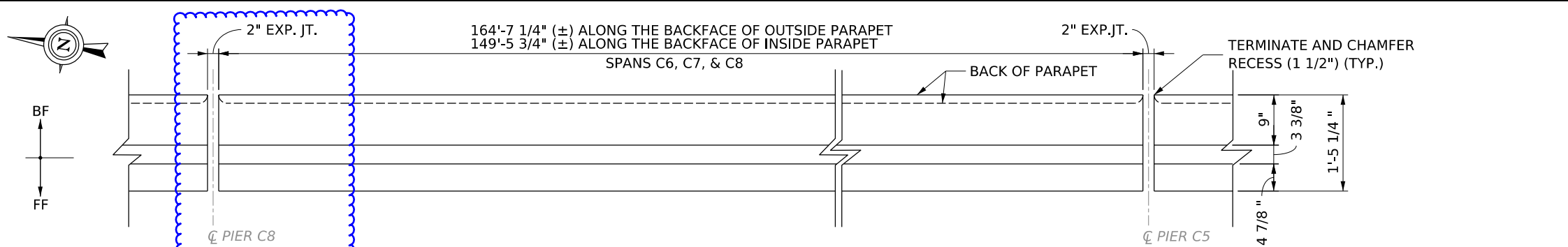
DESIGNED	DRAWN	DATE
CHECKED	CHECKED	12/2025

BARRIER REINFORCEMENT DETAILS
SPANS C4-C5

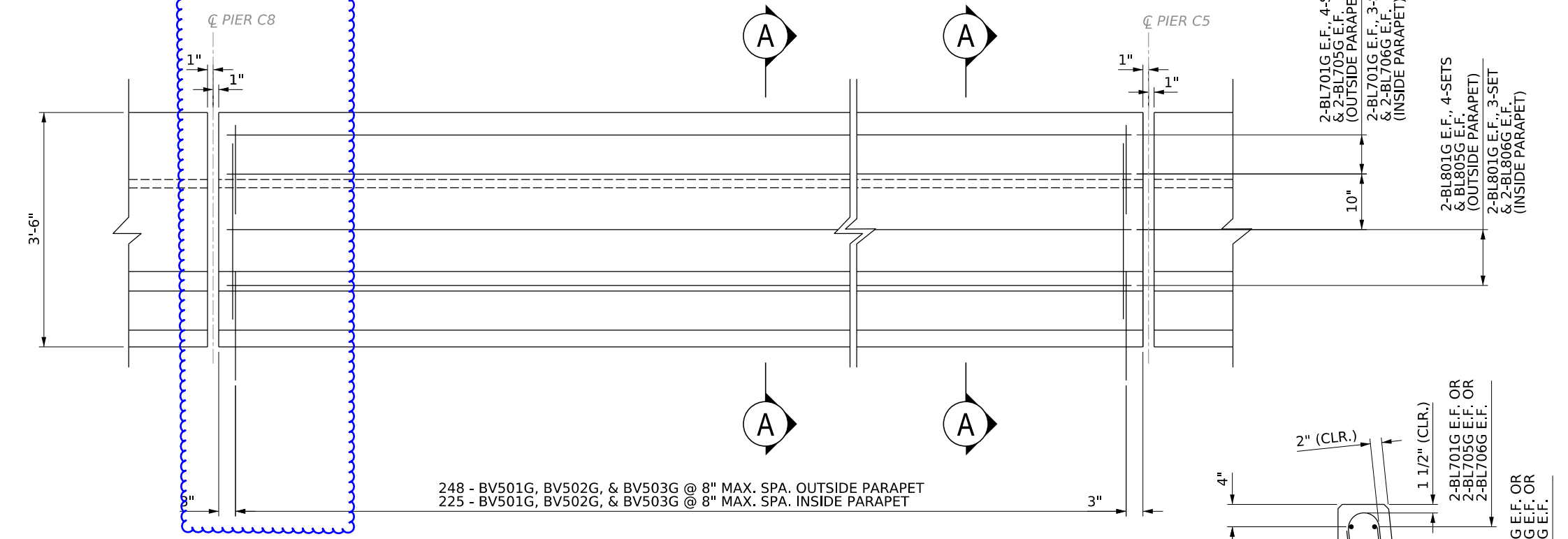
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
FORT HILL BRIDGE RAMP C

SHEET B38 OF B42
BRIDGE NO. 2563.6

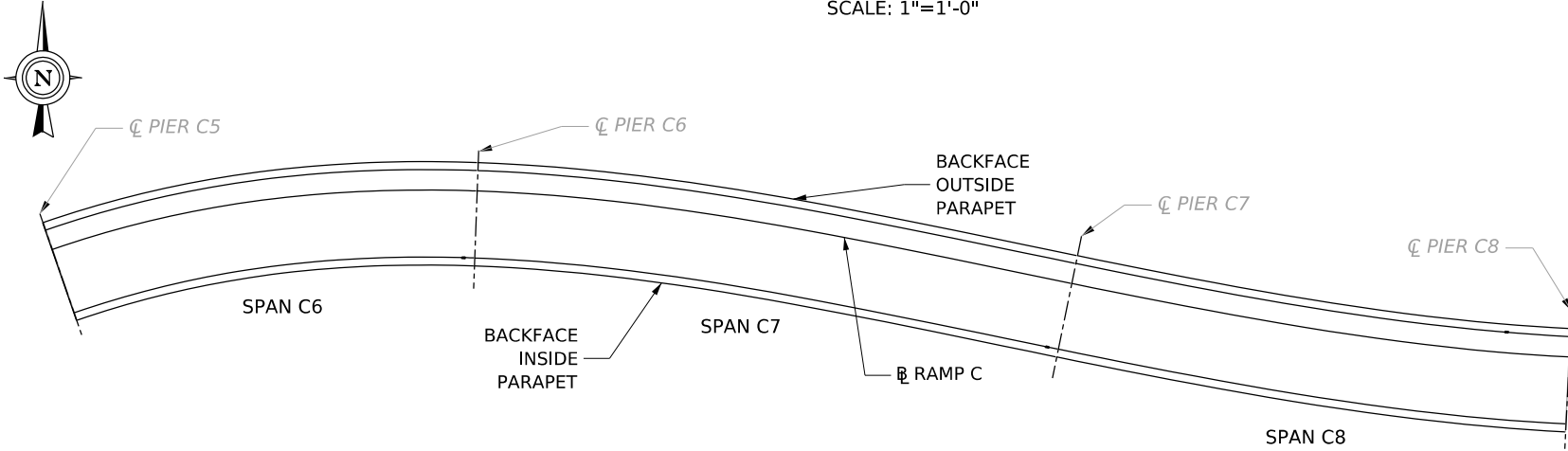
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	1	S320-064/00-0.00 00 23	NHPP-0064 (449) D	2024	KANAWHA		



PLAN
SCALE: 1"=1'-0"

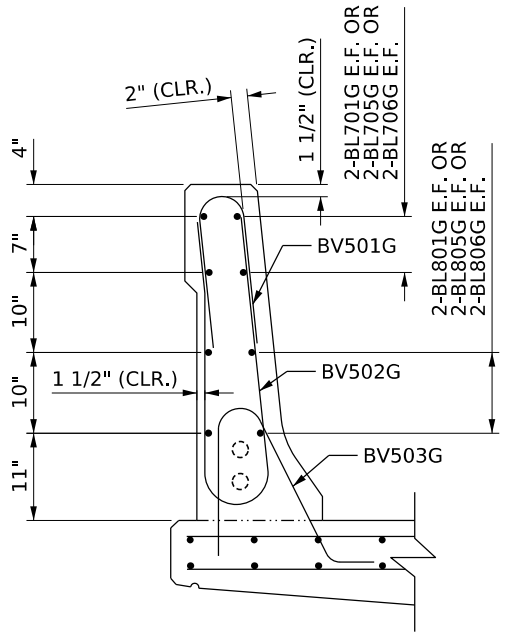


ELEVATION
SCALE: 1"=1'-0"

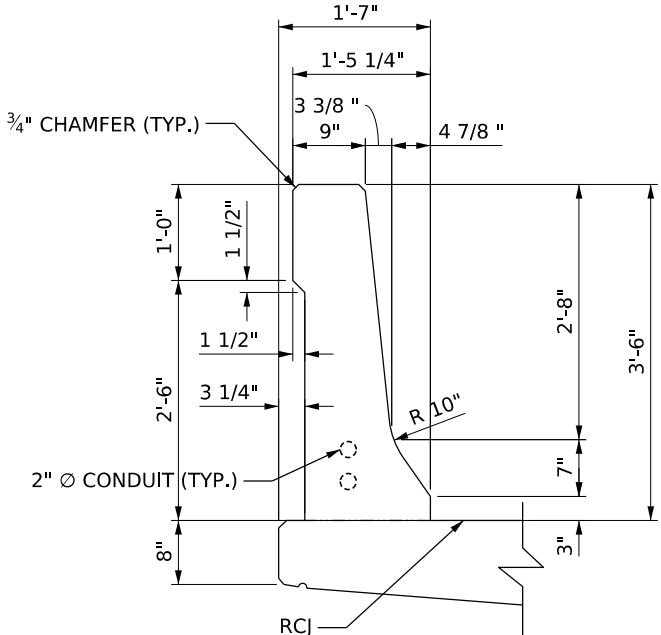


LAYOUT
NOT TO SCALE

NOTE:
COORDINATION
WITH EUGENE
CARTER MEMORIAL
BRIDGE PROJECT IS
REQUIRED



BARRIER REINFORCING



BARRIER DETAIL

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

REV. NO.	SHEET NO.	REVISION	DATE	BY

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

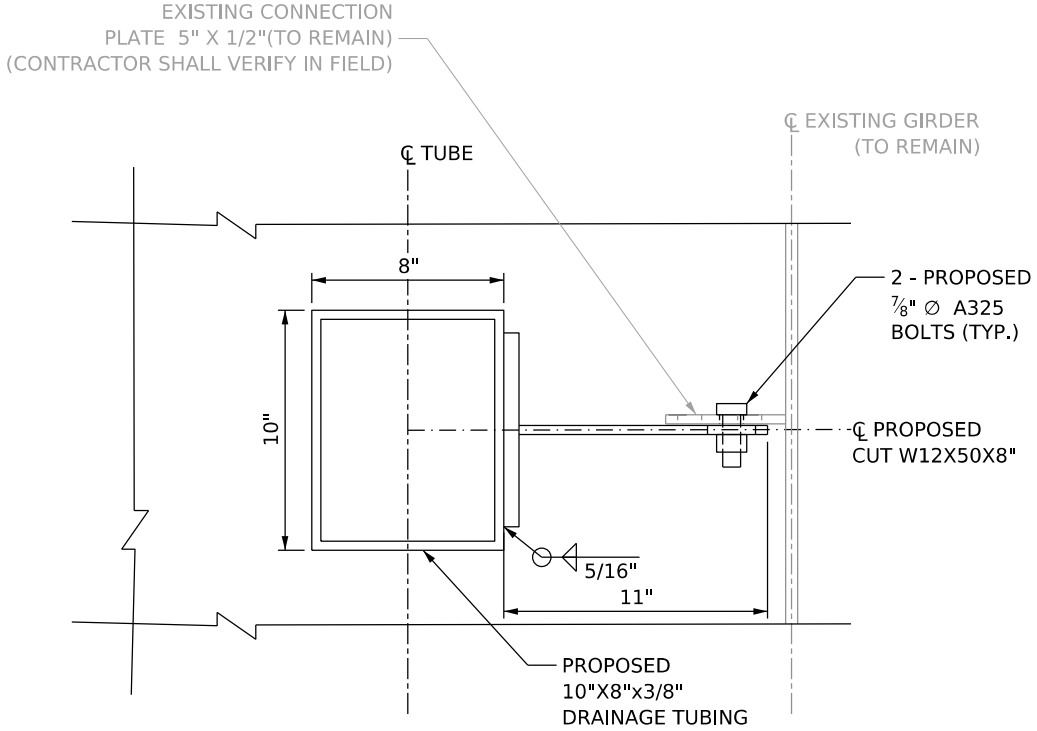
DESIGNED	DRAWN	DATE
CHECKED	CHECKED	12/2025

BARRIER REINFORCEMENT DETAILS
SPANS C6-C7-C8

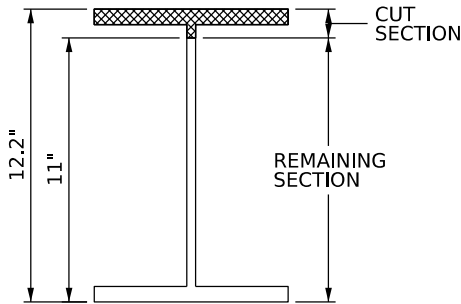
THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
FORT HILL BRIDGE RAMP C

SHEET B39 OF B42
BRIDGE NO. 2563.6

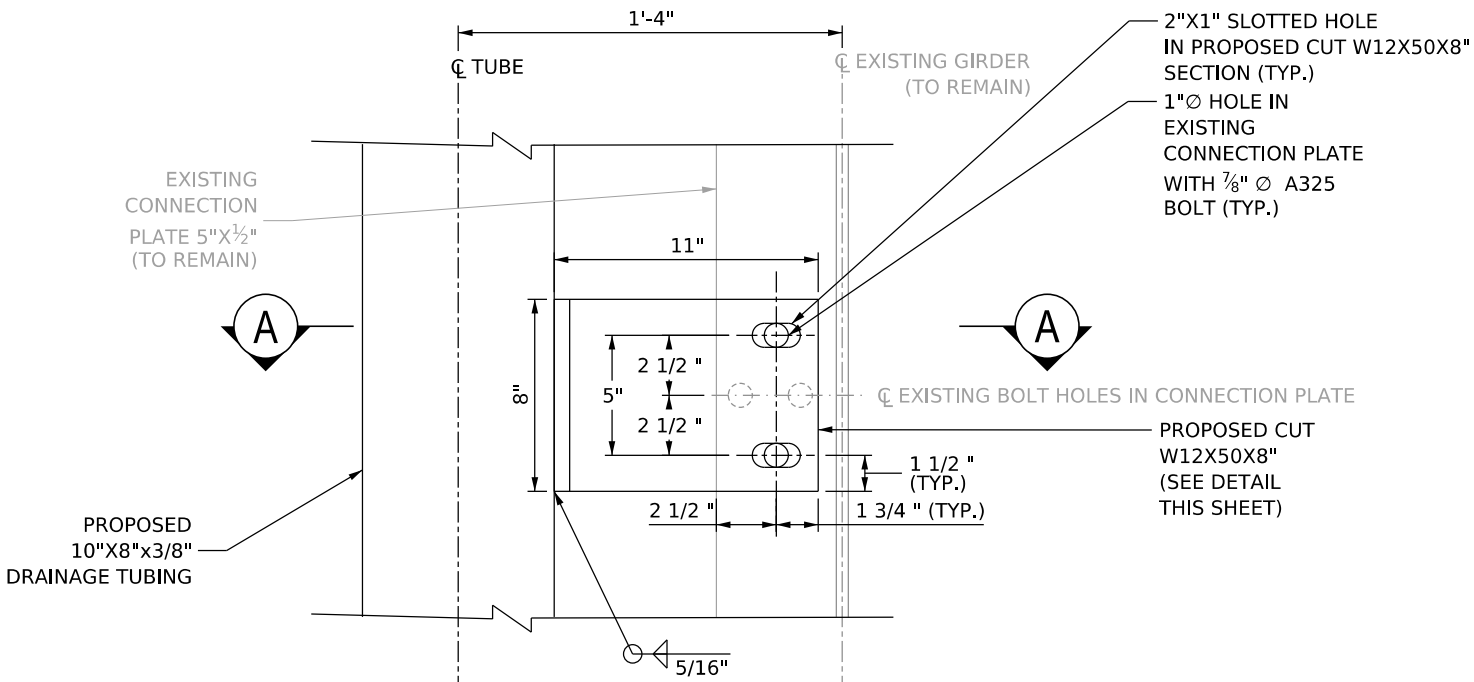
Public Roads Div.	State Dist. No.	State Project No.	Federal Project No.	Fiscal Year	County	Sheet No.	Total Sheets
WV	1	S320-064/00-0.00 00 23	NHPP-0064 (449) D	2024	KANAWHA		



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



PROPOSED CUT W12X50X8"
SCALE: 3"=1'-0"



DETAIL 1
SCALE: 3"=1'-0"

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

REV. NO.	SHEET NO.	REVISION	DATE	BY

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

DESIGNED	DRAWN	DATE
CHECKED	CHECKED	12/2025

DRAINAGE DETAILS (2 OF 2)

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

SHEET	B41 OF B42
BRIDGE NO.	2563.6

