

Addendum NO 1

ISSUED BY: *Great River Engineering
2826 S. Ingram Mill
Springfield, Missouri 65804
(417) 886-7171
(417) 886-7591 --- FAX*

DATE: April 21, 2022

FOR: **Pike County Bridge Replacement on C.R. 103 & C.R. 318.**

The attached revisions hereby supersede any and all data with which they may conflict as indicated on the Drawings, Specifications and related documents issued in the original set. Each trade is responsible for changes in its work caused by changes in the work of other trades. This addendum is a part of and shall be attached to the original set of plans and specifications for the work.

Notification: There have been no changes or addendums prior to this addendum.

Changes to:

Construction Plan C.R. 103 Bridge:

Sheet C2 – Updated Quantities

Sheet C3 & C4 – Added Fence and pipe relocation

Sheet S4 – Added Elevation notes for clarity on leveled center slab beam.

Sheet S7 – Added Elevation notes for clarity on leveled center slab beam.

Construction Plan C.R. 318 Bridge:

Sheet C2 – Updated Quantities

Sheet C3 & C4 – Added Type A Guardrail to the N.E. Corner and Added Fence note.

Sheet S4 – Added Elevation notes for clarity on leveled center slab beam & revised roadway dimension.

Sheet S7 – Added Elevation notes for clarity on leveled center slab beam.

Contract Documents:

Itemized Bid Form – Updated Quantities

There are no other clarifications or changes included with this Addendum.

ROADWAY QUANTITIES		
ITEM	TOTAL	UNITS
CLEARING AND GRUBBING	0.1	ACRE
UNCLASSIFIED EXCAVATION (ROADWAY)	56	CU. YARD
EMBANKMENT IN PLACE WITH COMPACTION	96	CU. YARD
TYPE 1 AGGREGATE FOR BASE (5 IN. THICK)	903	SQ. YARD
TYPE A CRASHWORTHY END TERMINAL	4	EACH
ASYMMETRICAL TRANSITION SECTION, 6.5 FT. POSTS	4	EACH
FENCE	25	LIN. FOOT
TYPE 2 ROCK BLANKET	312	CU. YARD
CONSTRUCTION SIGNS	63	SQ. FEET
TYPE III MOVEABLE BARRICADE WITH LIGHT	4	EACH
MOBILIZATION	1	LUMP SUM
SEEDING	0.1	ACRE
SILT FENCE	392	LIN. FOOT
ROCK DITCH CHECK	2	EACH

CONTROL POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1357711.2709	608895.3522	482.94	CP1 60D
2	1357524.8738	609472.3494	479.45	CP2 60D
3	1357491.9559	609586.4953	477.35	CP3 60D

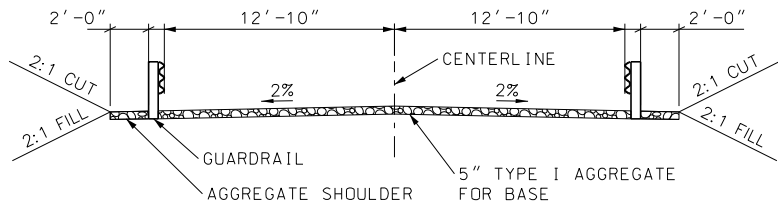
HORIZONTAL COORDINATES ARE BASED ON THE MISSOURI COORDINATE SYSTEM OF 1983, WEST ZONE (SCALED TO GROUND)

BENCHMARK DATA

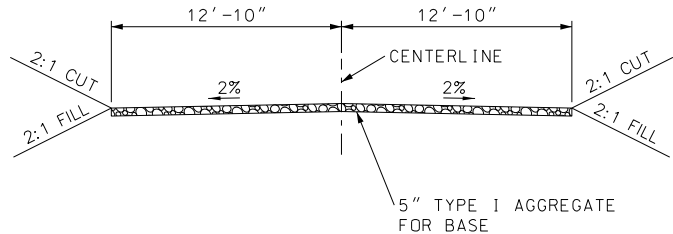
BM - 1" BOLT SET IN NORTH FACE OF PP EAST OF CREEK AND NORTH OF ROAD

ELEVATION = 478.97

(VERTICAL DATUM : NAVD88)

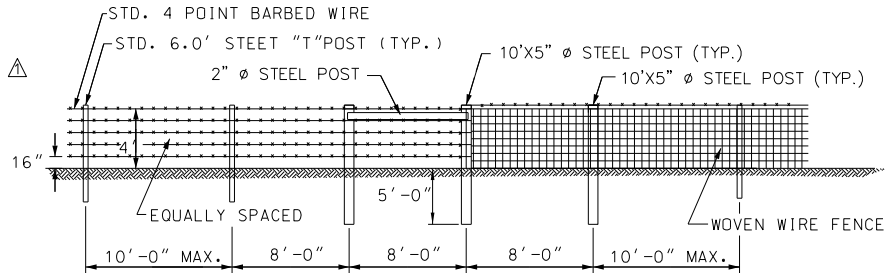


TYPICAL SECTION ROADWAY WITH CRASH RAILING



TYPICAL SECTION ROADWAY

Note: FIELD ENTRANCE AND DRIVEWAY TO BE 5" TYPE I AGGREGATE.



TYPICAL CORNER AND BRACING

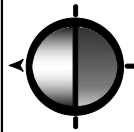
(FOR BARBED WIRE & WOVEN WIRE FENCING)

* CONTRACTOR SHALL MATCH EXISTING FENCE TYPE (I.E. 5 STAND BARBED WIRE OR WOVEN WIRE FENCE)

NOTES:

- FENCING SHOWN IN THIS DETAIL IS THE MINIMUM REQUIRED BY ENGINEER.
- TIES TO EXISTING FENCE REQUIRE THE SAME LAYOUT AS FENCE CORNERS (I.E. CORNER POST WITH BRACING.)
- CORNER AND BRACING POST SHALL BE BURIED A MINIMUM OF 5 FEET.
- ALL 10'X5" Ø STEEL PIPE MUST WELD ON DOME CAP. PLASTIC CAP WILL NOT BE ACCEPTED.
- 3 STRAND BARBED WIRE TO BE USED FOR TEMPORARY FENCE, 48" WOVEN WIRE AND 1 STRAND BARBED WIRE TO BE USED FOR PERMANENT FENCE.
- TEMPORARY GATES FOR TEMPORARY FENCE AND CORNER POSTS, TERMINAL POST AND GATE POSTS ARE INCIDENTAL TO THE FENCING BID ITEM.

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Great River Engineering - Missouri State Certificate of Authority Numbers:
Engineering: 2000156885, Land Surveying: 2001011476,
Landscape Architecture: 2007013673

Date	4-15-22					
Revision/Issue	ADDENDUM #1					
No.	1	2	3	4	5	6

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JEFFREY A. BANDERET, JR., ENGINEER
MO# PE-2017030568

COUNTY ROAD 103 BRIDGE #00700211
PIKE COUNTY, MISSOURI

TYPICAL SECTIONS & QUANTITIES

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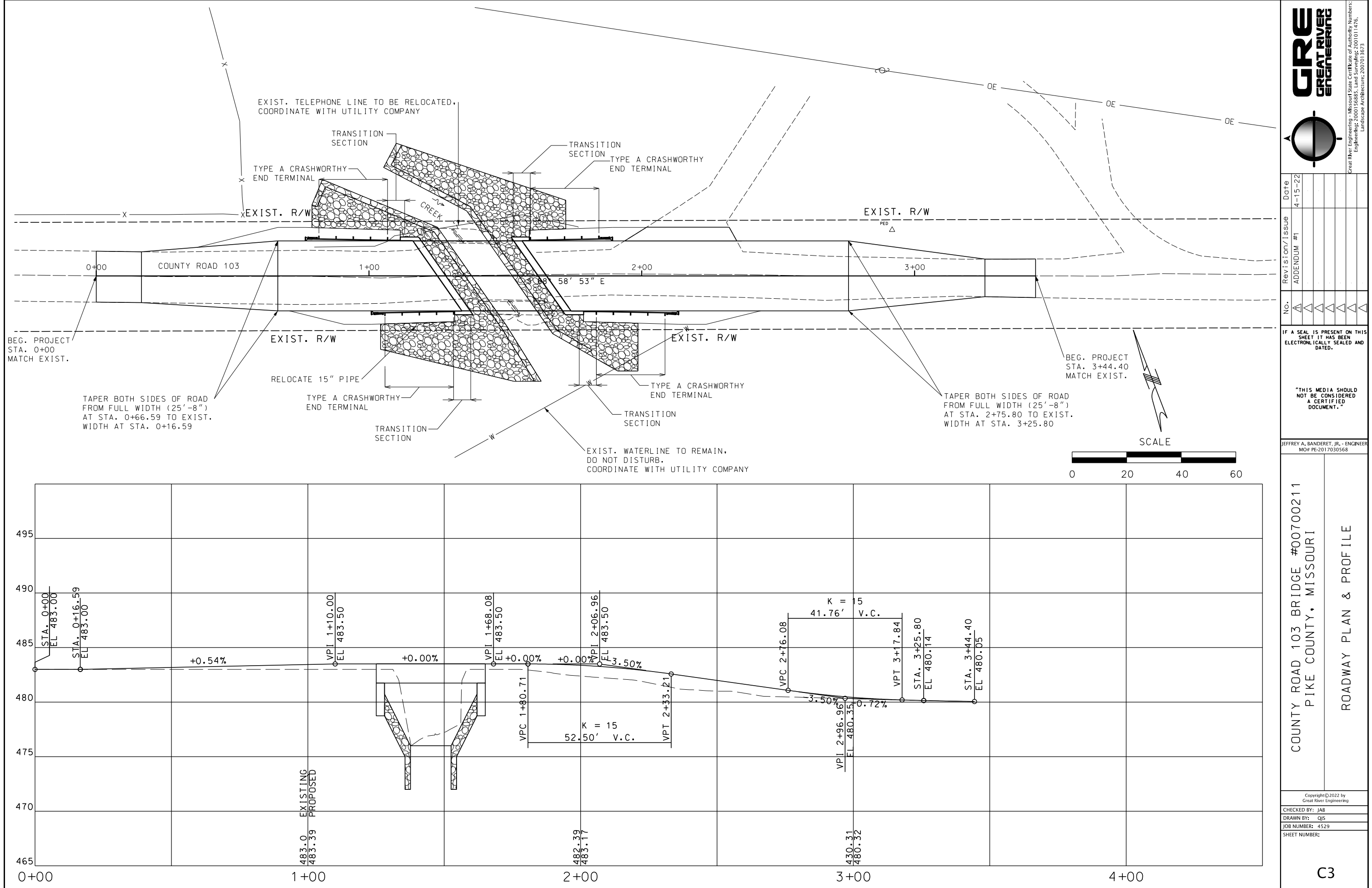
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SHEET NUMBER:

C2



Date	4-15-22
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No.	1

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MO# PE-2017030568

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PIKE COUNTY, MISSOURI

ROADWAY PLAN & PROFILE

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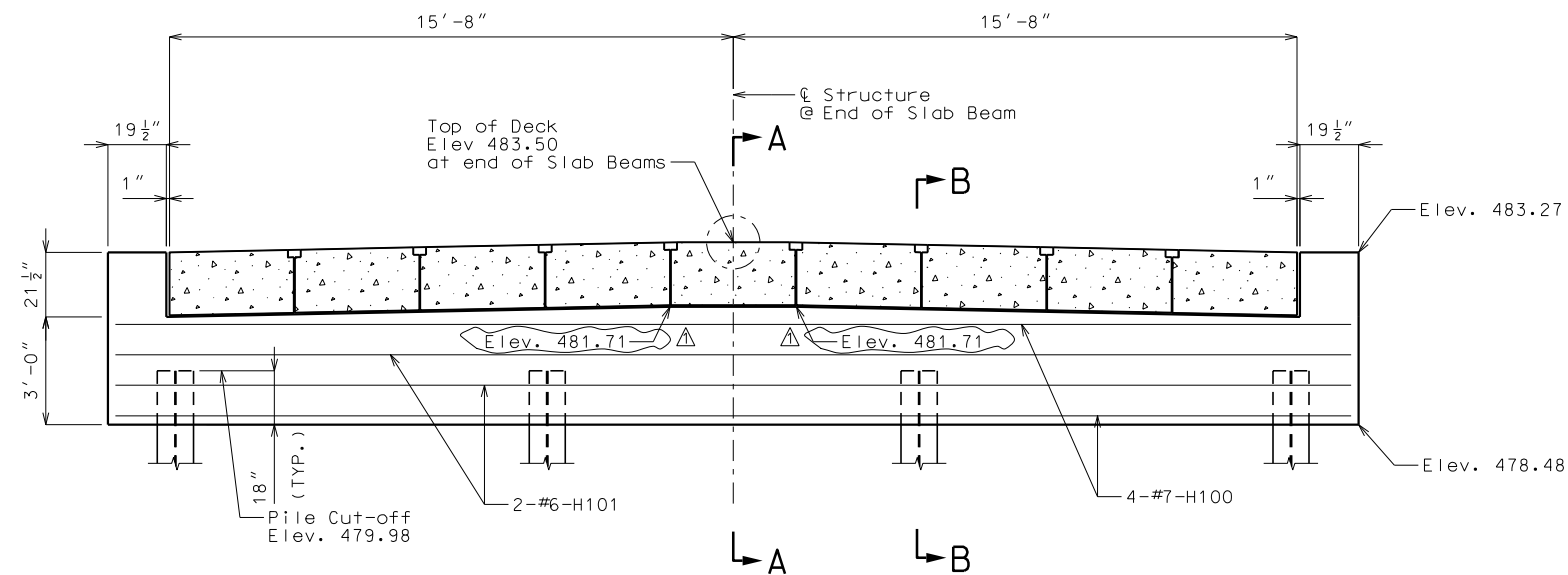
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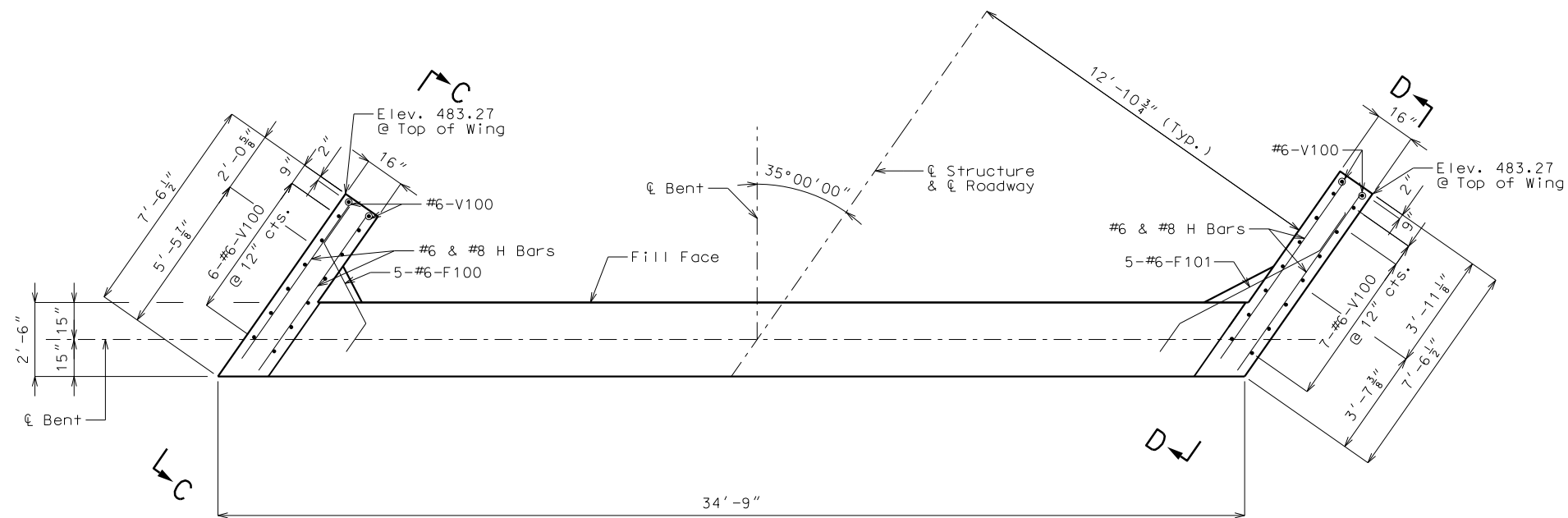
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C3



SECTION NEAR END BENT



PART PLAN

General Notes:

Work this sheet with Sheets No. S3 & S5.

For Section A-A, B-B & C-C and Elevation D-D & E-E, see Sheet No. S6.

DETAILS OF END BENT NO. 1

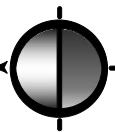
Detailed FEBRUARY 2022
Checked MARCH 2022

Note: This drawing is not to scale. Follow dimensions.

Sheet No. S4 of S12

Z:\Shared\Projects\4529 - Pike County CR 318 and CR 103 - SM Bridges\11) Drawings\CR 103 DGNs\S4_Detail of End Bent No.1.dgn

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No.	Revision/Issue	Date
1	ADDENDUM #1	4-15-22
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MO# PE-2018000237

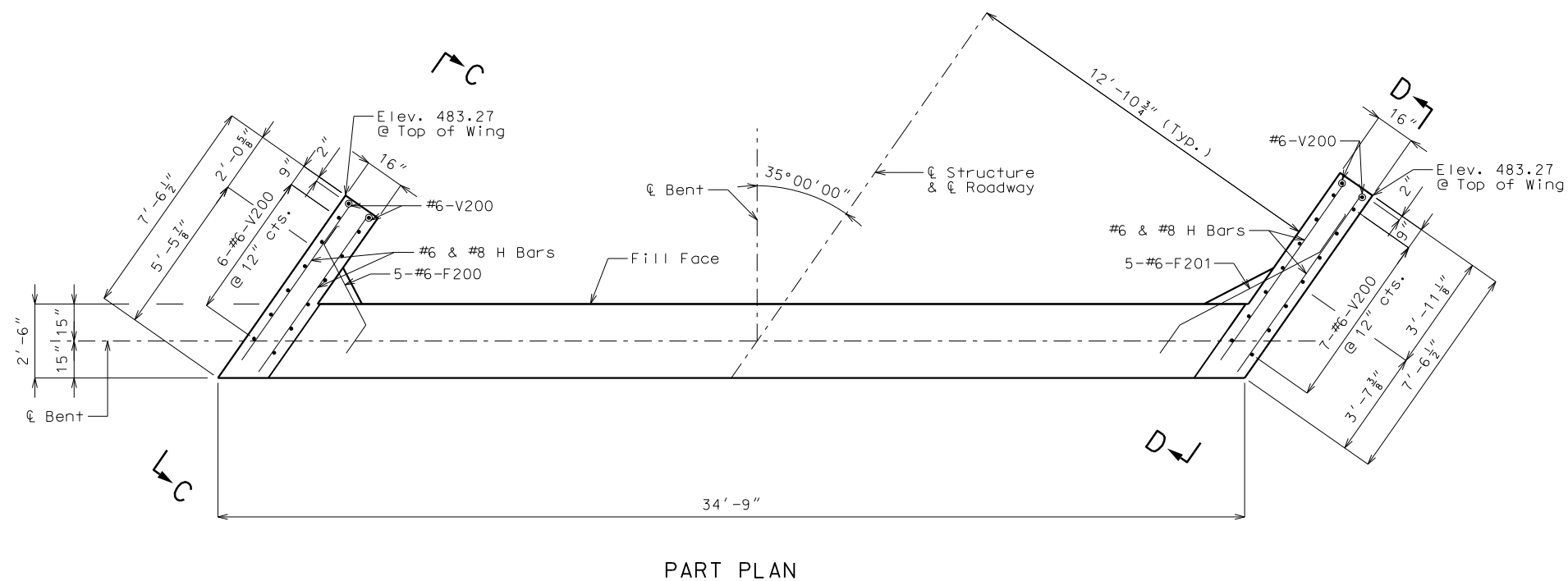
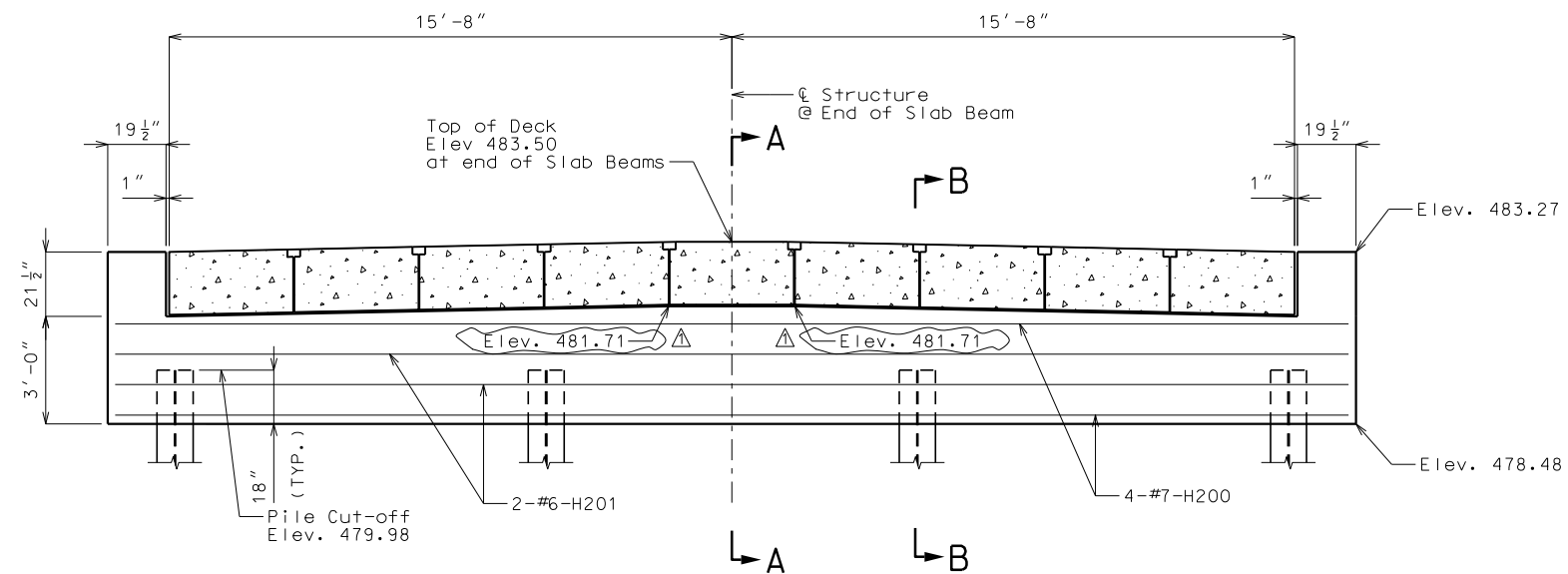
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PIKE COUNTY, MISSOURI

DETAILS OF END BENT NO. 1

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S4

4/11/2022



General Notes:

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For Section A-A, B-B & C-C and Elevation D-D & E-E, see Sheet No. S8.

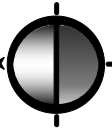
DETAILS OF END BENT NO. 2

Detailed FEBRUARY 2022
Checked MARCH 2022

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Sheet No. S7 of S12

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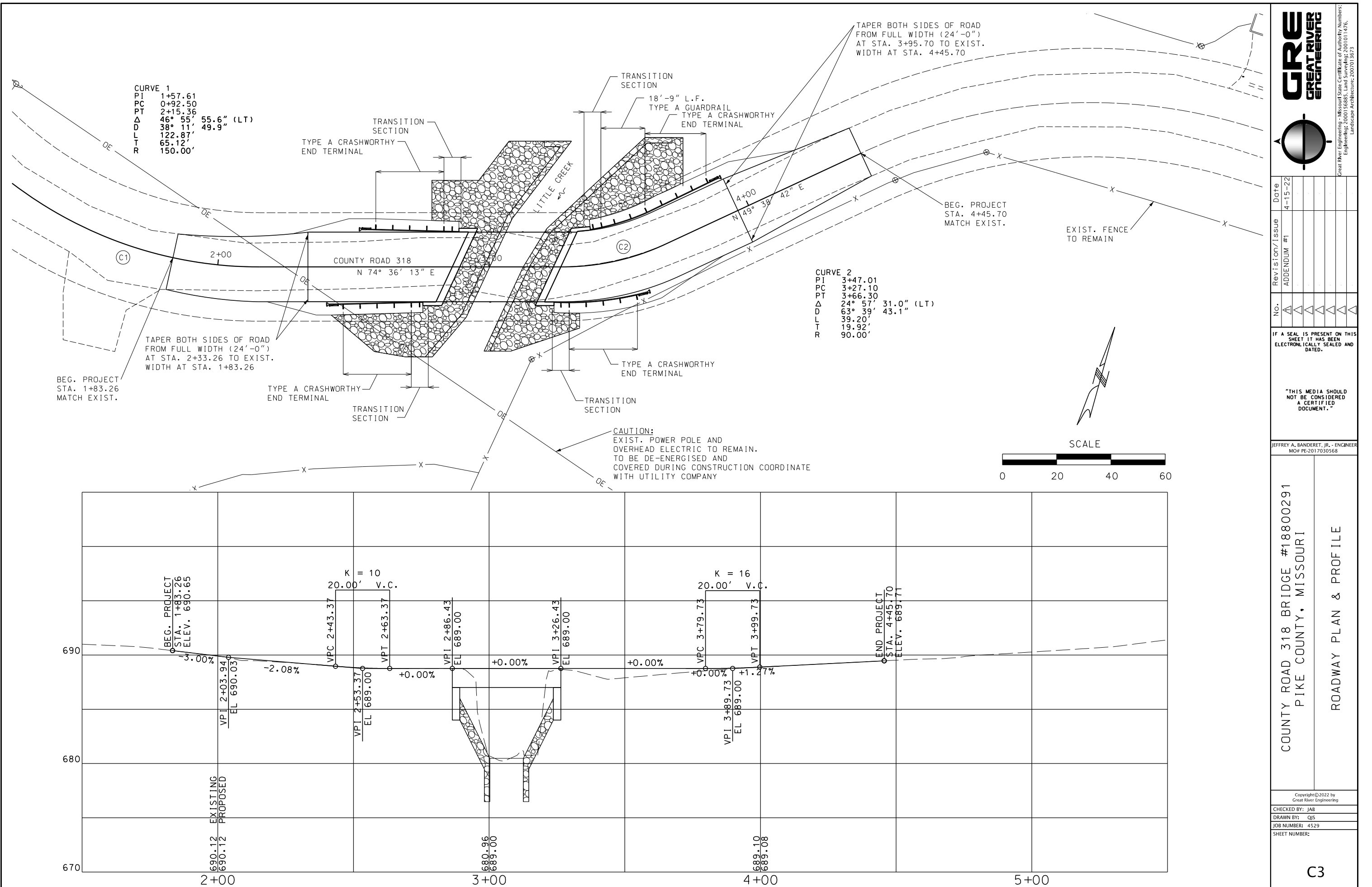
No.	Revision/Issue	Date
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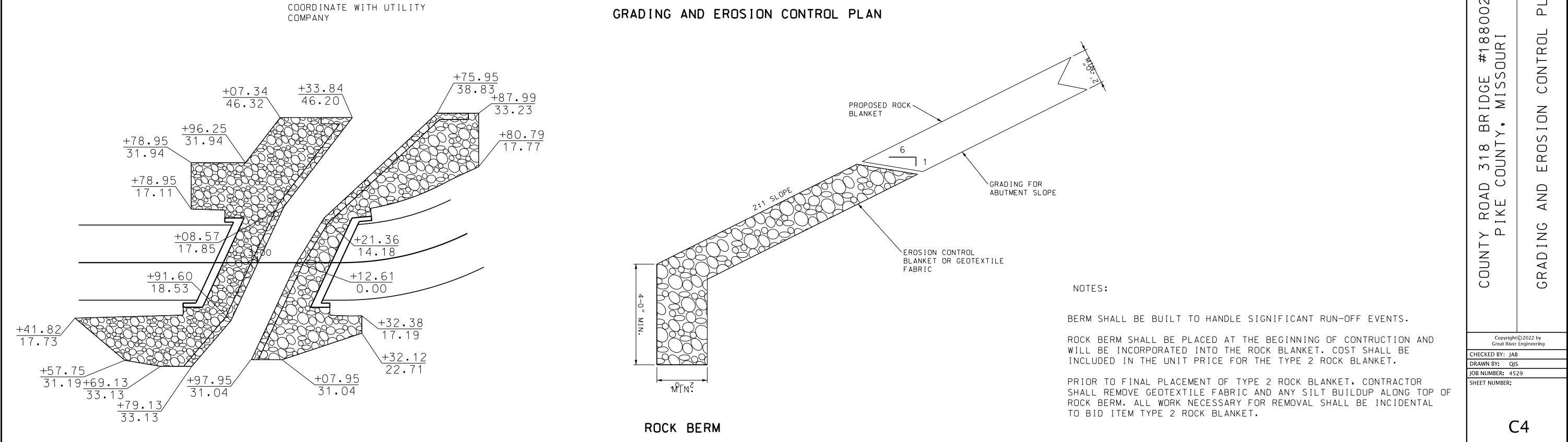
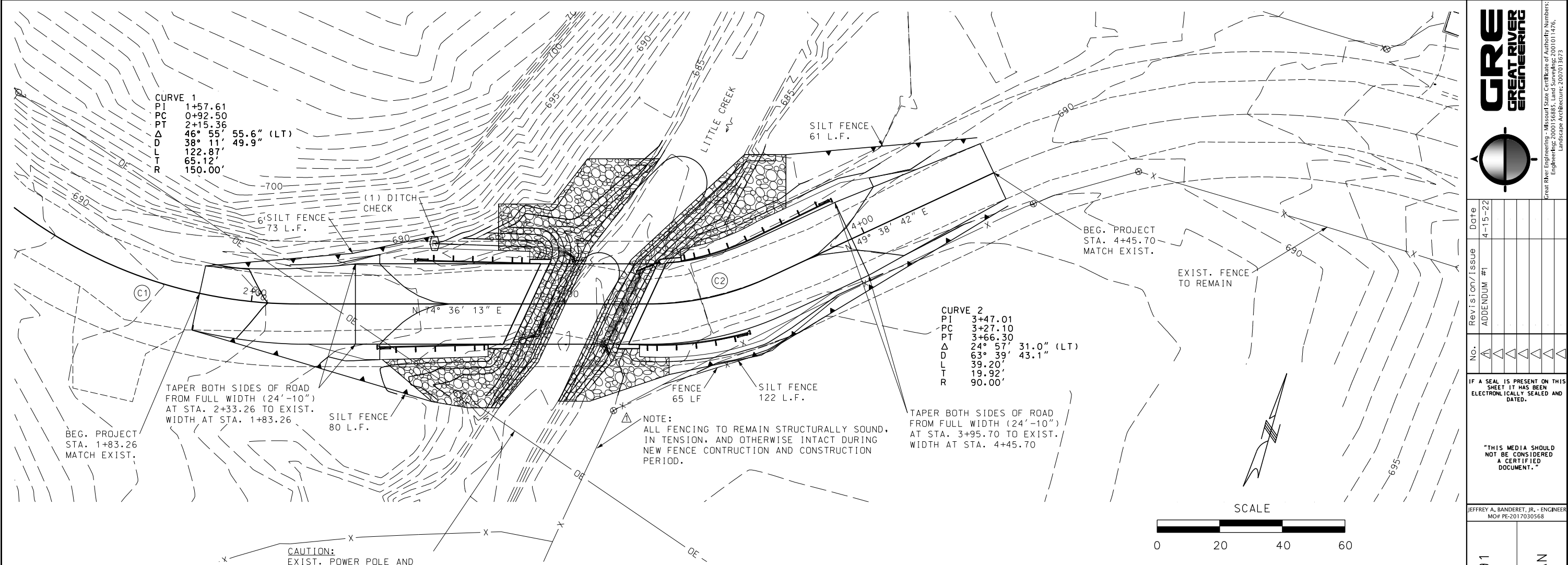
ELISSA M. MASSAR
D# PE-2018000237

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PIKE COUNTY, MISSOURI

67

4/11/2022





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Date	Revision/Issue	No.
4-15-22	ADDENDUM #1	1
		2
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		4
		5

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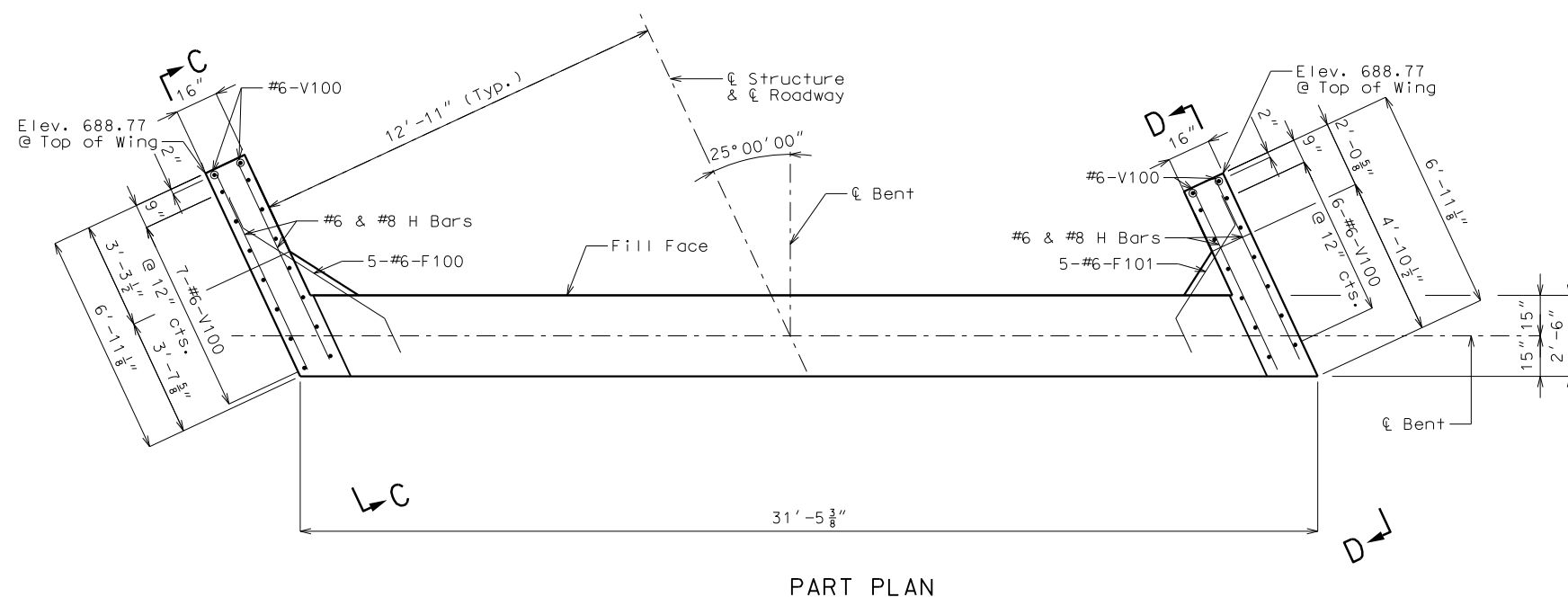
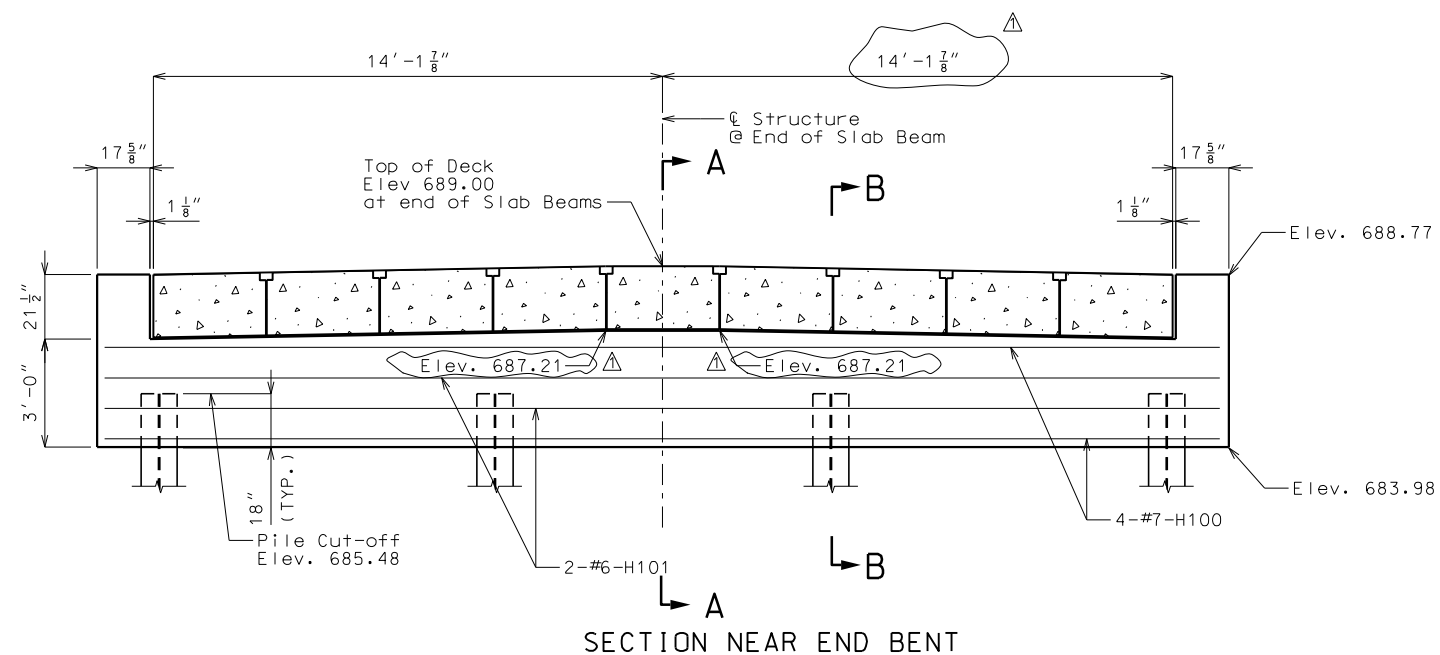
COUNTY ROAD 318 BRIDGE #18800291
PIKE COUNTY, MISSOURI

GRADING AND EROSION CONTROL PLAN

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General Notes:

Work this sheet with Sheets No. S3 & S5.

For Section A-A, B-B & C-C and Elevation D-D & E-E, see Sheet No. S5.

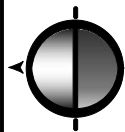
DETAILS OF END BENT NO. 1

Detailed FEBRUARY 2022
Checked MARCH 2022

Note: This drawing is not to scale. Follow dimensions.

Sheet No. S4 of S12

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Landscape Architecture: 2007013673

No.	Revision/Issue	Date
1	ADDENDUM #1	4-15-22
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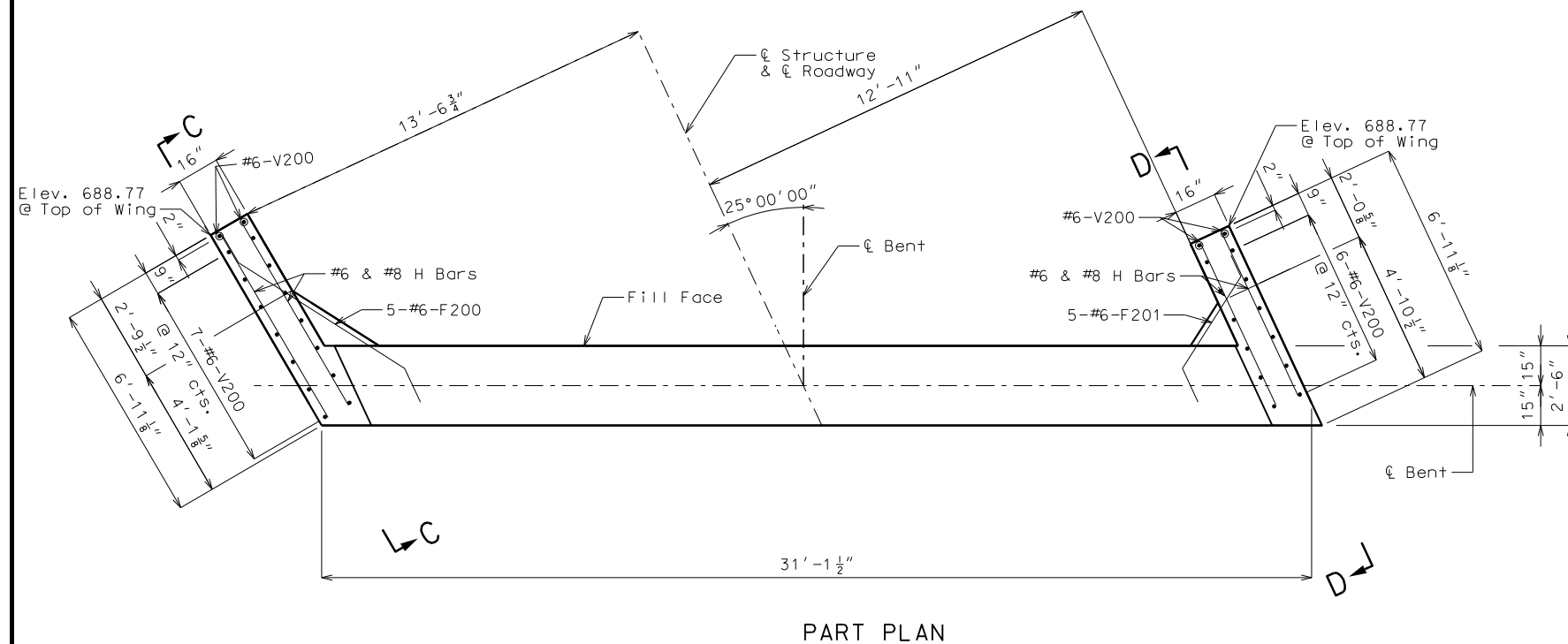
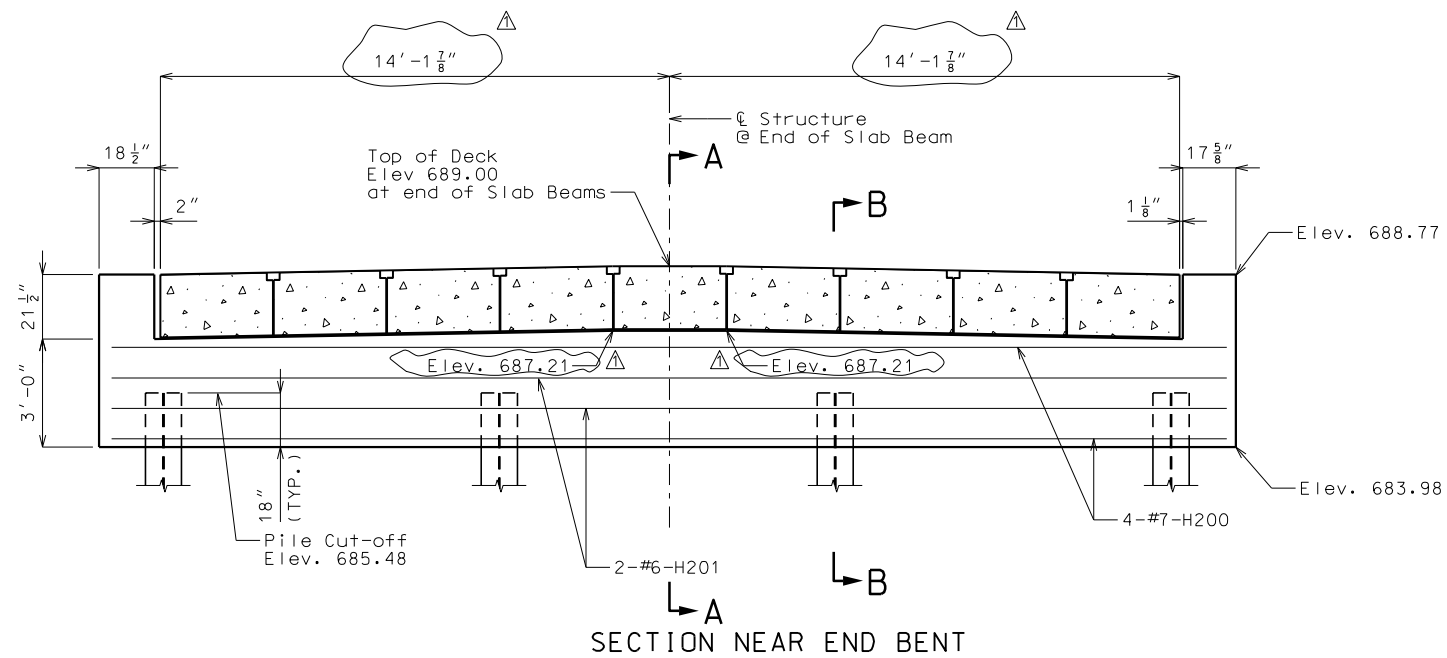
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DETAILS OF END BENT NO. 1

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4/11/2022



General Notes:

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For Section A-A, B-B & C-C and Elevation D-D & E-E, see Sheet No. S8.

DETAILS OF END BENT NO. 2

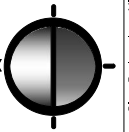
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Sheet No. S7 of S12

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PIKE COUNTY, MISSOURI

DETAILS OF END BENT NO. 2

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JOB NUMBER: 4529
SHEET NUMBER:

S7

4/11/2022



CONTRACTOR NAME: _____

ADDRESS LINE 1: _____

ADDRESS LINE 2: _____

PHONE NUMBER: _____

EMAIL: _____

Pike County
CR 318 & CR 103
Option 1 Bidding

DATE: _____

ITEMIZED BID FORM

LINE	ITEM	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	AMOUNT
County Road 318 Bridge #18800291						
ROADWAY ITEMS						
1	201	CLEARING AND GRUBBING	ACRE	0.1	_____	_____
2	203	UNCLASSIFIED EXCAVATION (ROADWAY)	C.Y.	64	_____	_____
3	203	EMBANKMENT IN PLACE W/COMPACTION	C.Y.	98	_____	_____
4	304	TYPE 1 AGGREGATE FOR BASE (5 IN. THICK)	S.Y	712	_____	_____
5	606	GUARDRAIL TYPE A	L.F.	18.75	_____	_____
6	606	TYPE A CRASHWORTHY END TERMINAL (MASH)	EACH	4	_____	_____
7	606	ASYMETRICAL TRANSITION SECTION, 6.5 FT. POSTS	EACH	4	_____	_____
8	607	WOVEN WIRE FENCE	L.F.	65	_____	_____
9	611	TYPE 2 ROCK BLANKET	C.Y.	306	_____	_____
ROADWAY ITEMS SUBTOTAL						_____
SIGNAGE & EROSION CONTROL ITEMS						
10	616	CONSTRUCTION SIGNS	S.F.	63	_____	_____
11	616	TYPE III MOVEABLE BARRICADE WITH LIGHT	EACH	4	_____	_____
12	618	MOBILIZATION	L.S.	1	_____	_____
13	805	SEEDING	ACRE	0.1	_____	_____
14	806	SILT FENCE	L.F.	336	_____	_____
15	806	ROCK DITCH CHECK	EACH	1	_____	_____
SIGNAGE & EROSION CONTROL ITEMS SUBTOTAL						_____
BRIDGE ITEMS						
16	206	CLASS 1 EXCAVATION	C.Y.	50	_____	_____
17	216	REMOVAL OF BRIDGES	L.S.	1	_____	_____
18	702	GALVANIZED STRUCTURAL STEEL PILES (12 IN)	L.F.	96	_____	_____
19	702	PILE POINT REINFORCEMENT	EACH	8	_____	_____
20	702	PRE-BORE FOR PILING	L.F.	80	_____	_____
21	703	CLASS B CONCRETE (SUBSTRUCTURE)	EACH	23.6	_____	_____
22	706	REINFORCING STEEL (BRIDGES)	LBS	3480	_____	_____
23	713	BRIDGE GUARD RAIL (THRIE BEAM)	L.F.	92	_____	_____
24	716	PLAIN NEOPRENE BEARING PAD	L.F.	58	_____	_____
BRIDGE ITEMS SUBTOTAL						_____
COUNTY ROAD 318 SUBTOTAL						_____



Pike County
CR 318 & CR 103
Option 1 Bidding

CONTRACTOR NAME: _____

ADDRESS LINE 1: _____

ADDRESS LINE 2: _____

PHONE NUMBER: _____

EMAIL: _____

DATE: _____

ITEMIZED BID FORM

LINE	ITEM	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	AMOUNT
County Road 103 #0070021						
ROADWAY ITEMS						
1	201	CLEARING AND GRUBBING	ACRE	0.1	_____	_____
2	203	UNCLASSIFIED EXCAVATION (ROADWAY)	C.Y.	56	_____	_____
3	203	EMBANKMENT IN PLACE W/COMPACTION	C.Y.	96	_____	_____
4	304	TYPE 1 AGGREGATE FOR BASE (5 IN. THICK)	S.Y	903	_____	_____
5	606	TYPE A CRASHWORTHY END TERMINAL (MASH)	EACH	4	_____	_____
6	606	ASYMETRICAL TRANSITION SECTION, 6.5 FT. POSTS	EACH	4	_____	_____
7	607	WOVEN WIRE FENCE	L.F.	25	_____	_____
8	611	TYPE 2 ROCK BLANKET	C.Y.	312	_____	_____
ROADWAY ITEMS SUBTOTAL						_____
SIGNAGE & EROSION CONTROL ITEMS						
9	616	CONSTRUCTION SIGNS	S.F.	63	_____	_____
10	616	TYPE III MOVEABLE BARRICADE WITH LIGHT	EACH	4	_____	_____
11	618	MOBILIZATION	L.S.	1	_____	_____
12	805	SEEDING	ACRE	0.1	_____	_____
13	806	SILT FENCE	L.F.	392	_____	_____
14	806	ROCK DITCH CHECK	EACH	2	_____	_____
SIGNAGE & EROSION CONTROL ITEMS SUBTOTAL						_____
BRIDGE ITEMS						
15	206	CLASS 1 EXCAVATION	C.Y.	60	_____	_____
16	216	REMOVAL OF BRIDGES	L.S.	1	_____	_____
17	702	GALVANIZED STRUCTURAL STEEL PILES (12 IN)	L.F.	480	_____	_____
18	702	PILE POINT REINFORCEMENT	EACH	8	_____	_____
19	703	CLASS B CONCRETE (SUBSTRUCTURE)	EACH	25.8	_____	_____
20	706	REINFORCING STEEL (BRIDGES)	LBS	3760	_____	_____
21	713	BRIDGE GUARD RAIL (THRIE BEAM)	L.F.	92	_____	_____
22	716	PLAIN NEOPRENE BEARING PAD	L.F.	64	_____	_____
BRIDGE ITEMS SUBTOTAL						_____
COUNTY ROAD 103 SUBTOTAL						_____
TOTAL COMBINED CONTRACT						_____

Addenda

Signature

- 1 _____
- 2 _____
- 3 _____



CONTRACTOR NAME: _____

ADDRESS LINE 1: _____

ADDRESS LINE 2: _____

PHONE NUMBER: _____

EMAIL: _____

Pike County
County Road 318 Bridge #18800291
Option 2 Bidding

DATE: _____

ITEMIZED BID FORM

LINE	ITEM	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	AMOUNT
ROADWAY ITEMS						
1	201	CLEARING AND GRUBBING	ACRE	0.1	_____	_____
2	203	UNCLASSIFIED EXCAVATION (ROADWAY)	C.Y.	64	_____	_____
3	203	EMBANKMENT IN PLACE W/COMPACTION	C.Y.	98	_____	_____
4	304	TYPE 1 AGGREGATE FOR BASE (5 IN. THICK)	S.Y	712	_____	_____
6	606	TYPE A CRASHWORTHY END TERMINAL (MASH)	EACH	4	_____	_____
7	606	ASYMETRICAL TRANSITION SECTION, 6.5 FT. POSTS	EACH	4	_____	_____
8	607	WOVEN WIRE FENCE	L.F.	65	_____	_____
9	611	TYPE 2 ROCK BLANKET	C.Y.	306	_____	_____
ROADWAY ITEMS SUBTOTAL						_____
SIGNAGE & EROSION CONTROL ITEMS						
10	616	CONSTRUCTION SIGNS	S.F.	63	_____	_____
11	616	TYPE III MOVEABLE BARRICADE WITH LIGHT	EACH	4	_____	_____
12	618	MOBILIZATION	L.S.	1	_____	_____
13	805	SEEDING	ACRE	0.1	_____	_____
14	806	SILT FENCE	L.F.	336	_____	_____
15	806	ROCK DITCH CHECK	EACH	1	_____	_____
SIGNAGE & EROSION CONTROL ITEMS SUBTOTAL						_____
BRIDGE ITEMS						
16	206	CLASS 1 EXCAVATION	C.Y.	50	_____	_____
17	216	REMOVAL OF BRIDGES	L.S.	1	_____	_____
18	702	GALVANIZED STRUCTURAL STEEL PILES (12 IN)	L.F.	96	_____	_____
19	702	PILE POINT REINFORCEMENT	EACH	8	_____	_____
20	702	PRE-BORE FOR PILING	L.F.	80	_____	_____
21	703	CLASS B CONCRETE (SUBSTRUCTURE)	EACH	23.6	_____	_____
22	706	REINFORCING STEEL (BRIDGES)	LBS	3480	_____	_____
23	713	BRIDGE GUARD RAIL (THRIE BEAM)	L.F.	92	_____	_____
24	716	PLAIN NEOPRENE BEARING PAD	L.F.	58	_____	_____
BRIDGE ITEMS SUBTOTAL						_____
TOTAL CONTRACT						_____

Addenda

Signature

- 1 _____
- 2 _____
- 3 _____



CONTRACTOR NAME: _____

ADDRESS LINE 1: _____

ADDRESS LINE 2: _____

PHONE NUMBER: _____

EMAIL: _____

Pike County
County Road 103 #0070021
Option 2 Bidding

DATE: _____

ITEMIZED BID FORM

LINE	ITEM	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	AMOUNT
ROADWAY ITEMS						
1	201	CLEARING AND GRUBBING	ACRE	0.1	_____	_____
2	203	UNCLASSIFIED EXCAVATION (ROADWAY)	C.Y.	56	_____	_____
3	203	EMBANKMENT IN PLACE W/COMPACTION	C.Y.	96	_____	_____
4	304	TYPE 1 AGGREGATE FOR BASE (5 IN. THICK)	S.Y	903	_____	_____
5	606	TYPE A CRASHWORTHY END TERMINAL (MASH)	EACH	4	_____	_____
6	606	ASYMETRICAL TRANSITION SECTION, 6.5 FT. POSTS	EACH	4	_____	_____
7	607	WOVEN WIRE FENCE	L.F.	25	_____	_____
8	611	TYPE 2 ROCK BLANKET	C.Y.	312	_____	_____
ROADWAY ITEMS SUBTOTAL						_____
SIGNAGE & EROSION CONTROL ITEMS						
9	616	CONSTRUCTION SIGNS	S.F.	63	_____	_____
10	616	TYPE III MOVEABLE BARRICADE WITH LIGHT	EACH	4	_____	_____
11	618	MOBILIZATION	L.S.	1	_____	_____
12	805	SEEDING	ACRE	0.1	_____	_____
13	806	SILT FENCE	L.F.	392	_____	_____
14	806	ROCK DITCH CHECK	EACH	2	_____	_____
SIGNAGE & EROSION CONTROL ITEMS SUBTOTAL						_____
BRIDGE ITEMS						
15	206	CLASS 1 EXCAVATION	C.Y.	60	_____	_____
16	216	REMOVAL OF BRIDGES	L.S.	1	_____	_____
17	702	GALVANIZED STRUCTURAL STEEL PILES (12 IN)	L.F.	480	_____	_____
18	702	PILE POINT REINFORCEMENT	EACH	8	_____	_____
19	703	CLASS B CONCRETE (SUBSTRUCTURE)	EACH	25.8	_____	_____
20	706	REINFORCING STEEL (BRIDGES)	LBS	3760	_____	_____
21	713	BRIDGE GUARD RAIL (THRIE BEAM)	L.F.	92	_____	_____
22	716	PLAIN NEOPRENE BEARING PAD	L.F.	64	_____	_____
BRIDGE ITEMS SUBTOTAL						_____
TOTAL CONTRACT						_____

Addenda

Signature

- 1 _____
- 2 _____
- 3 _____

RECEIPT OF ADDENDUM

I received addendum No. # 01 for April 21, 2022
Pike County Bridge Replacement on C.R. 103 & C.R. 318
Project Job # 4529

This addendum involves 16 pages including this sheet.

Vendor's Name

Vendor's Address

Signature / Date

**Return completed acknowledgment to
Great River Engineering ASAP**

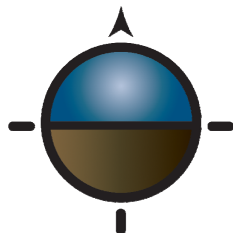
Email Back to:

Secretary@greatriv.com

or

Fax # 417-886-7591

Attention: Karissa Ostroski



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