

Addendum NO 1

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

DATE: May 11, 2020

FOR: **Pike County BRO-B082(31)**

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:

Contract Documents and Specifications:

Bid Form

Bid Form has been revised to change the Type A Guardrail quantity amount to:

50 Linear Feet

Bid Form has been revised to change the Type A Crashworthy End Terminal quantity amount to:

2 Each

Plans:

Sheet C2

Under Roadway Quantities, the Type A Guardrail quantity has been revised to change the amount to:

50 Linear Feet

Under Roadway Quantities, the Type A Crashworthy End Terminal quantity has been revised to change the amount to:

2 Each

Sheet C4

The Crashworthy End Terminal on the northeast corner of the bridge has been changed to Type A guardrail with an end horn.

Sheet C5

The Crashworthy End Terminal on the northeast corner of the bridge has been changed to Type A guardrail with an end horn.

Sheet S6

The Crashworthy End Terminal on the northeast corner of the bridge has been changed to Type A guardrail with an end horn.

Sheet RW1

Added the Right-of-Way Plan as indicated in the Index of Sheets on Sheet C1.

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





CONTRACTOR NAME: _____

ADDRESS LINE 1: _____

ADDRESS LINE 2: _____

PHONE NUMBER: _____

EMAIL: _____

Pike County Commission

0540014

BRO-B082(31)

DATE: _____

ITEMIZED BID FORM

LINE	ITEM	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	AMOUNT
ROADWAY ITEMS						
1	618	MOBILIZATION	L.S.	1	_____	_____
2	201	CLEARING AND GRUBBING	AC.	0.13	_____	_____
3	203	UNCLASSIFIED EXCAVATION (ROADWAY)	C.Y.	98	_____	_____
4	203	EMBANKMENT IN PLACE W/ COMPACTION	C.Y.	58	_____	_____
5	310	TYPE 1 AGGREGATE FOR BASE (5 IN. THICK)	S.Y.	691	_____	_____
6	801/805	SEEDING	AC.	0.2	_____	_____
7	616	TYPE III MOVEABLE BARRICADES	EA.	4	_____	_____
8	616	CONSTRUCTION SIGNS	S.F.	63	_____	_____
9	611	TYPE 2 ROCK BLANKET	C.Y.	458	_____	_____
10	607	ASYMMETRICAL TRANSITION SECTION	EA	4	_____	_____
11	606	TYPE A CRASHWORTHY END TERMINAL	EA	2	_____	_____
12	606	TYPE A GUARDRAIL	L.F.	50	_____	_____
13	806	SILT BARRIER	L.F.	200	_____	_____
14	806	DITCH CHECK	EA.	2	_____	_____
					ROADWAY ITEMS SUBTOTAL	_____
BRIDGE ITEMS						
15	216	REMOVAL OF BRIDGES	L.S.	1	_____	_____
16	206	UNCLASSIFIED EXCAVATION (STRUCTURE)	CY	107	_____	_____
17	702	STRUCTURAL STEEL PILES (10 IN.)	L.F.	257.5	_____	_____
18	702	PILE POINT REINFORCEMENT	EA.	10	_____	_____
19	703	CLASS B-1 CONCRETE (SUBSTRUCTURE)	CY.	22	_____	_____
20	703	STANDARD SLAB BEAMS (55'-0")	EA.	8	_____	_____
21	706	REINFORCING STEEL (BRIDGES)	LBS.	3,960	_____	_____
22	713	SL-1 BRIDGE RAILING	L.F.	117	_____	_____
23	716	PLAIN NEOPRENE BEARING PAD	LF	54	_____	_____
					BRIDGE ITEMS SUBTOTAL	_____
					TOTAL CONTRACT	_____

DESIGN DATA

EMBANKMENT

TREES

FENCES

BROKEN CONCRETE

PERMANENT SIGNING & MARKING

TEMPORARY SIGNING

UTILITIES

CONTRACTOR SHALL CONTACT MISSOURI ONE CALL AT 1-800-344-7483 (DIG-RITE), 811 OR MO1CALL.COM AT LEAST THREE DAYS PRIOR TO BEGINNING CONSTRUCTION.

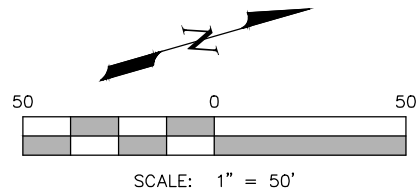
DITCHES

TYPICAL SECTION

$$\text{MINIMUM NOMINAL AXIAL COMPRESSIVE RESISTANCE} = \text{MAXIMUM FACTORED LOADS}/0.4$$

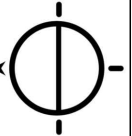
ITEM	SUBSTR.	SUPERSTR.	TOTAL	UNIT
UNCLASSIFIED EXCAVATION (STRUCTURE)	107			CU. YARD
REMOVAL OF BRIDGES			1	LUMP SUM
STRUCTURAL STEEL PILES (10 IN.)	257.5		257.5	LIN. FOOT
PILE POINT REINFORCEMENT	10		10	EACH
STANDARD SLAB BEAMS (55'-0")			8	EACH
SL-1 BRIDGE RAILING		117	117	LIN. FOOT
PLAIN NEOPRENE BEARING PAD		54	54	LIN. FOOT
CLASS B-1 CONCRETE (SUBSTRUCTURE)	22		22	CU. YARD
REINFORCING STEEL (BRIDGES)	3,960		3,960	POUNDS





CURVE 1:
R = 53.18'
L = 67.66'
 $\Delta = 107^{\circ}74'35''$

GRE
GREAT RIVER
ENGINEERING



No.	Revision/Issue	Date
A	ADDENDUM #1	5/8/20
Δ		
Δ		
Δ		
Δ		
Δ		

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



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

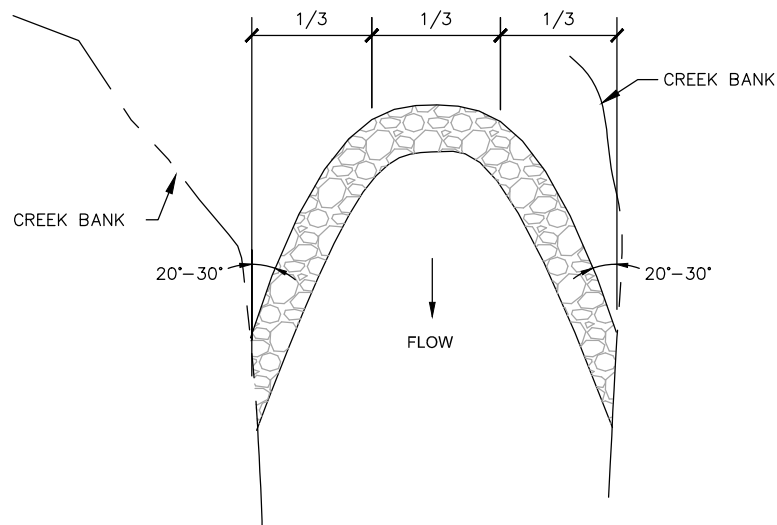
R. 135 BRIDGE #0510014 (BRO-B082(31))
PIKE COUNTY, MISSOURI

ROADWAY PLAN & PROFILE (55' BRIDGE)

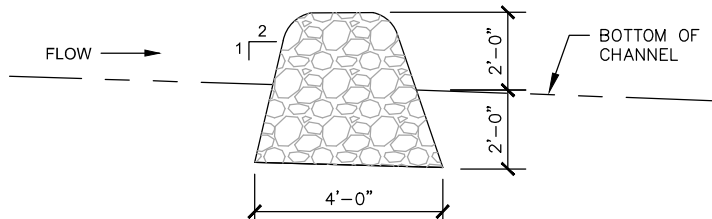
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CHECKED BY: JAB
DRAWN BY: KFB
OBJ NUMBER: 3936
FILE NAME: 3936_CIVIL
SCALE: NO SCALE
ISSUE DATE: 01.08.2020
HEET NUMBER:

C4

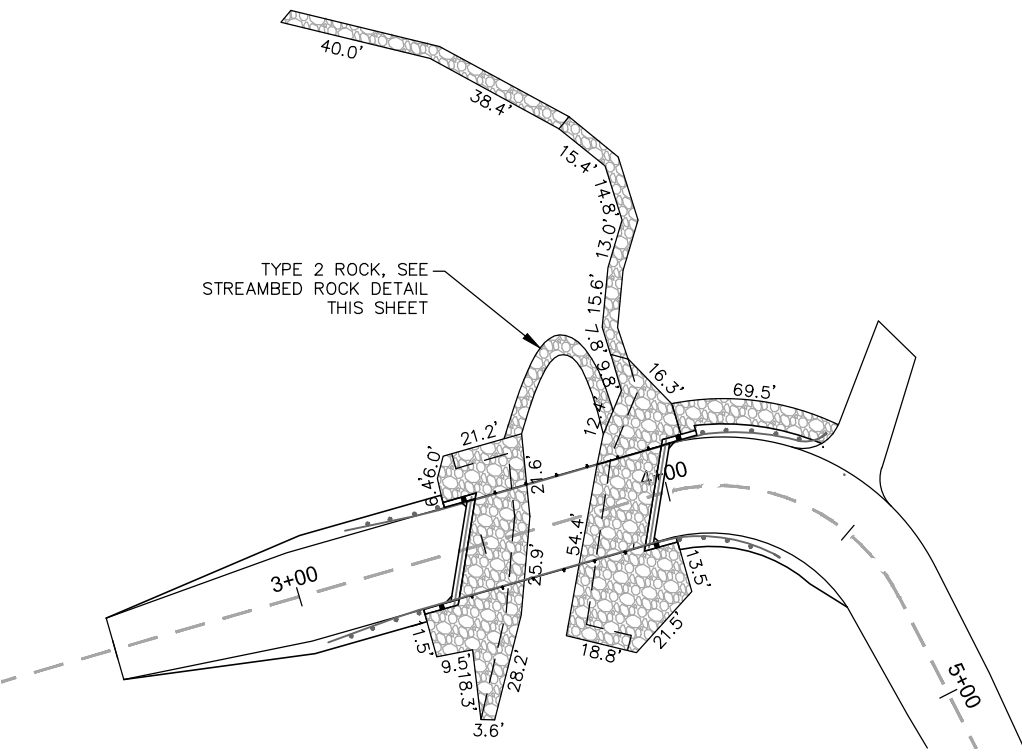


STREAM BED ROCK PLAN VIEW

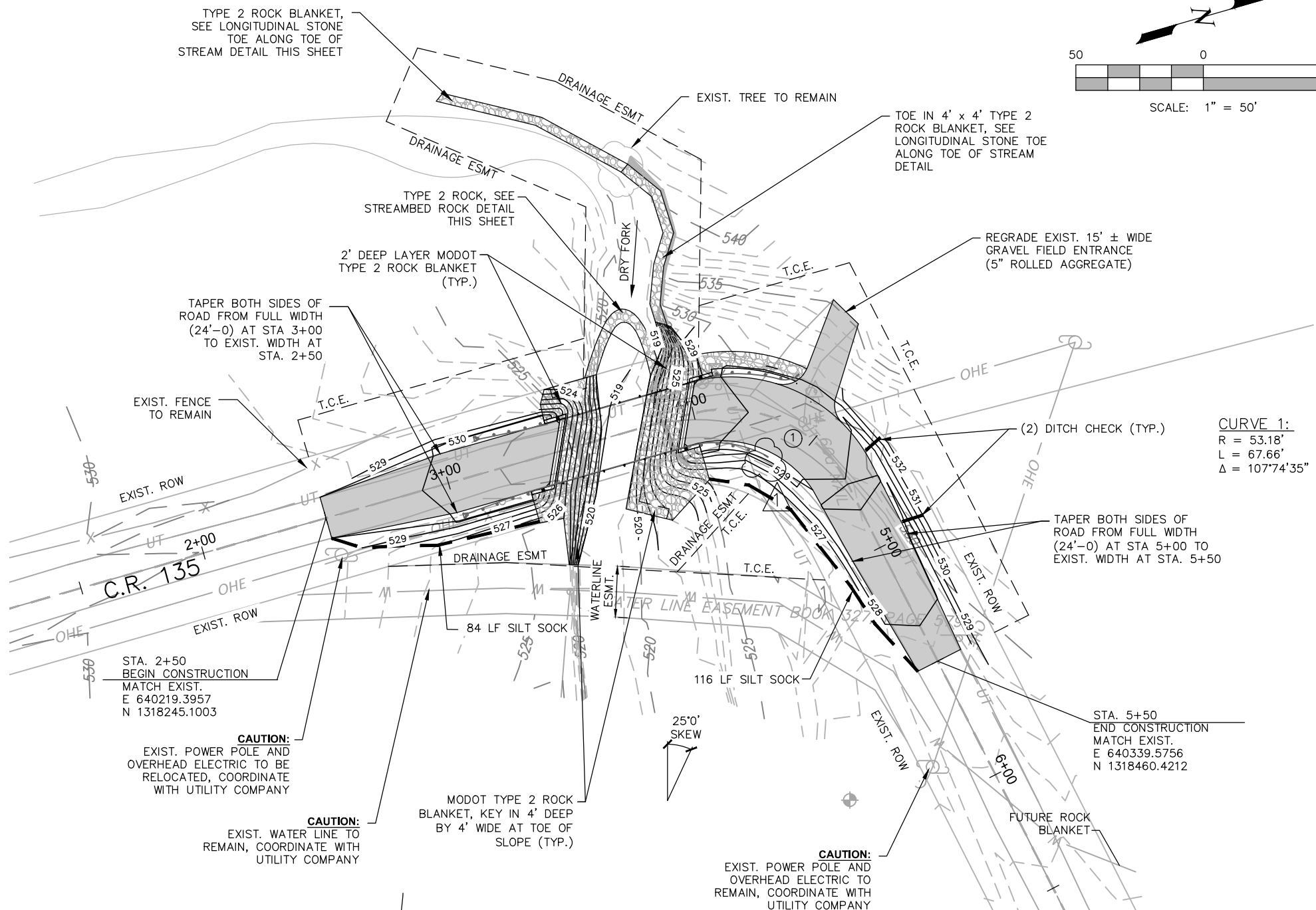


STREAM BED ROCK DETAIL

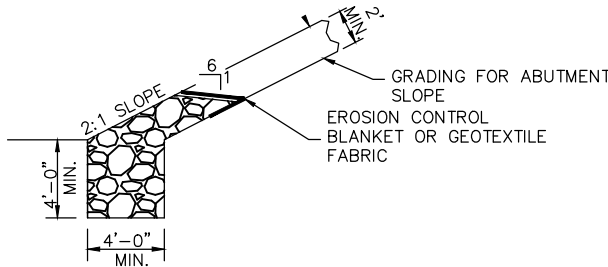
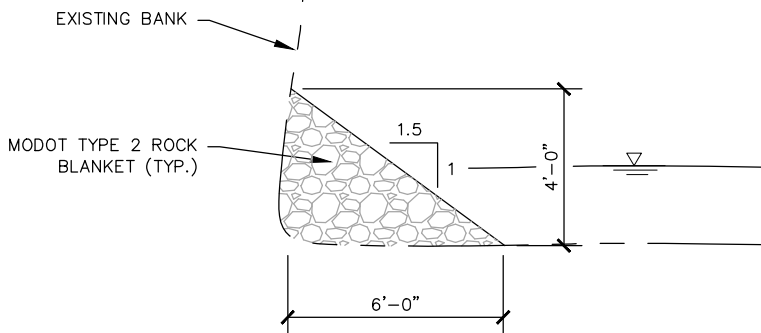
NOTE:
TYPE 2 ROCK, 4' WIDE x 4' TALL 2' ABOVE STREAM BED (2' EMBEDDED). ROCK TO EXTEND FROM TOE TO TOE OF STREAM BED PER ROCK BLANKET LAYOUT PLAN



MODOT TYPE 2 ROCK BLANKET LAYOUT PLAN



TYPICAL LONGITUDINAL STONE TOE
ALONG TOE OF STREAM
PER ROCK BLANKET LAYOUT PLAN



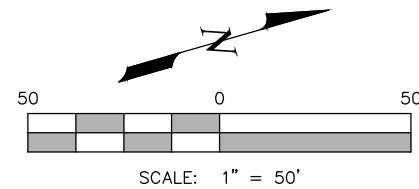
ROCK BERM

NOTES:

BERM SHALL BE BUILT TO HANDLE SIGNIFICANT RUN-OFF EVENTS.

ROCK BERM SHALL BE PLACED AT THE BEGINNING OF CONSTRUCTION AND WILL BE INCORPORATED INTO THE ROCK BLANKET. COST SHALL BE INCLUDED IN THE UNIT PRICE FOR TYPE 2 ROCK BLANKET.

PRIOR TO FINAL PLACEMENT OF TYPE 2 ROCK BLANKET, CONTRACTOR SHALL REMOVE GEOTEXTILE FABRIC AND ANY SILT BUILDUP ALONG TOP OF ROCK BERM. ALL WORK NECESSARY FOR REMOVAL SHALL BE INCIDENTAL TO BID ITEM TYPE 2 ROCK BLANKET.



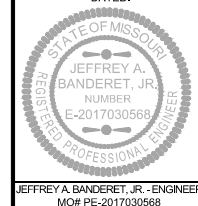
CURVE 1:
R = 53.18'
L = 67.66'
Δ = 107°74'35"



Great River Engineering - Missouri State Certificate of Authority Numbers:
Engineering: 200016886, Land Surveying: 2001011476,
Landscape Architecture: 2007015873

Date	5/8/20
Revision/Issue	ADDENDUM #1
No.	1

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MO# PE-2017030568

C.R. 135 BRIDGE #0510014 (BRO-B082(31))

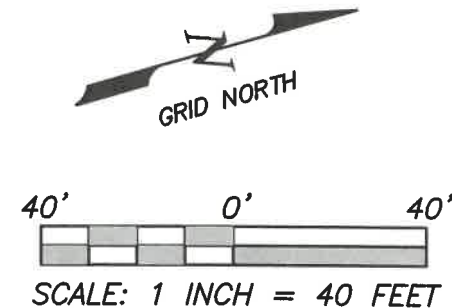
PIKE COUNTY, MISSOURI

GRADING PLAN & ROCK BLANKET LAYOUT

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CHECKED BY: JAB
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JOB NUMBER: 3936
FILE NAME: 3936_CIVIL
SCALE: NO SCALE
ISSUE DATE: 01.08.2020
SHEET NUMBER:

C5



5/8" IRON PIN
SW CORNER SECTION 20
TOWNSHIP 54N, RANGE 2W
MO DOC# 600-90397

CURVE DATA
C1 $\Delta=79^{\circ}01'06''$
 $R=53.18'$
 $L=73.34'$
 $CB=N39^{\circ}34'06''E$
 $C=67.66'$



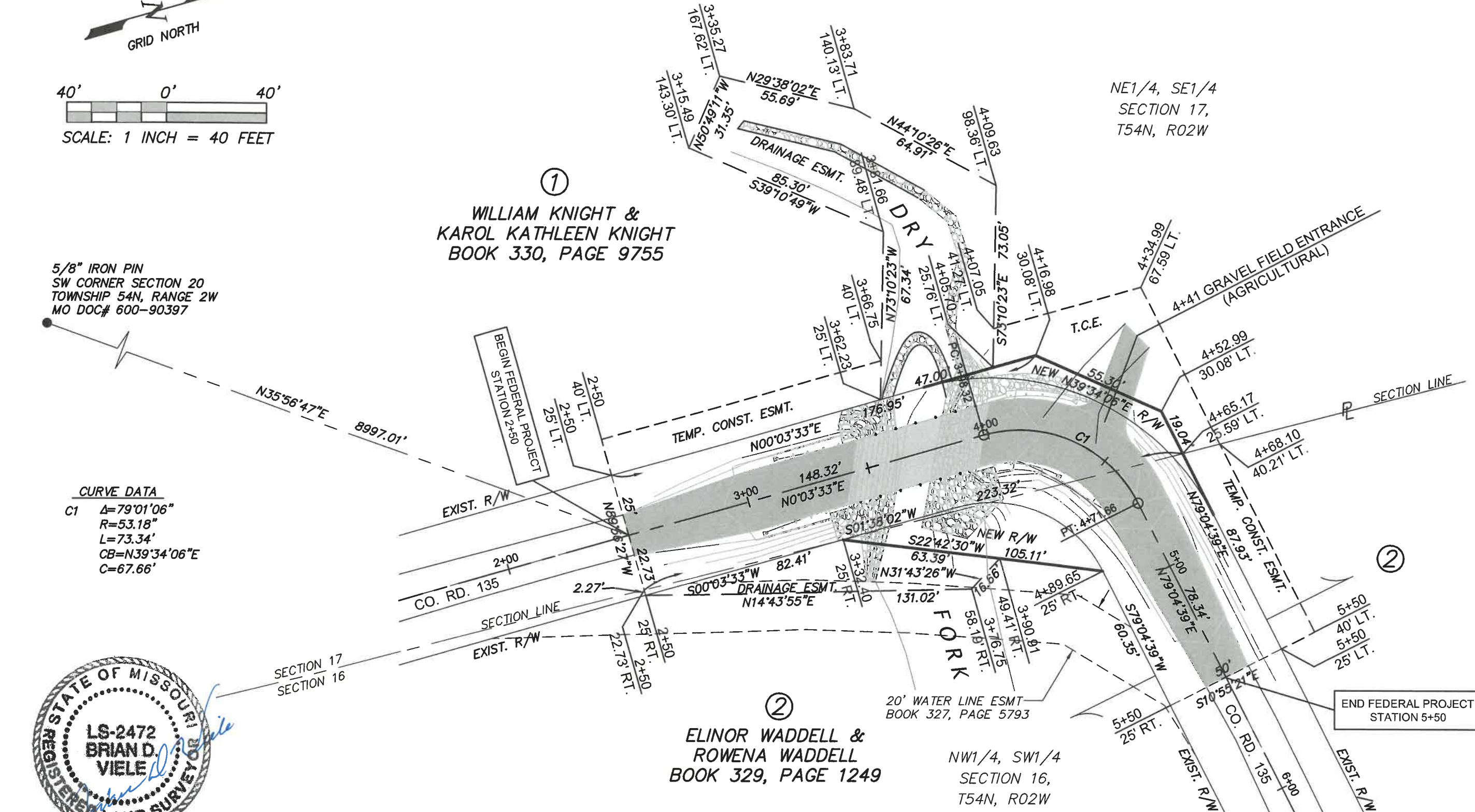
08/15/2019

①
**WILLIAM KNIGHT &
KAROL KATHLEEN KNIGHT**
BOOK 330, PAGE 9755

②
**ELINOR WADDELL &
ROWENA WADDELL**
BOOK 329, PAGE 1249

NW1/4, SW1/4
SECTION 16,
T54N, R02W

NE1/4, SE1/4
SECTION 17,
T54N, R02W



TRACT NO.	OWNER	MAILING ADDRESS	SOURCE OF TITLE	EXISTING TRACT AREA	NEW RIGHT OF WAY (R/W) AREA	TEMPORARY CONSTRUCTION EASEMENT (T.C.E.) AREA	DRAINAGE EASEMENT AREA	REMAINING TRACT AREA
1	WILLIAM KNIGHT & KAROL KATHLEEN KNIGHT	320 MARYS DRIVE LOUISIANA, MO 63353	BOOK 330, PAGE 9755	115.00 ACRES	683 SQ. FT. = 0.016 ACRE ±	4,150 SQ. FT. = 0.095 ACRE ±	6,977 SQ. FT. = 0.160 ACRE ±	114.984 ACRES
2	ELINOR WADDELL & ROWENA WADDELL	17808 PIKE 135 LOUISIANA, MO 63353	BOOK 329, PAGE 1249	74.80 ACRES	37 SQ. FT. = 0.001 ACRE ± (LEFT) 1,423 SQ. FT. = 0.033 ACRE ± (RIGHT)	1,294 SQ. FT. = 0.029 ACRE ±	1,797 SQ. FT. = 0.041 ACRE ±	74.766 ACRES

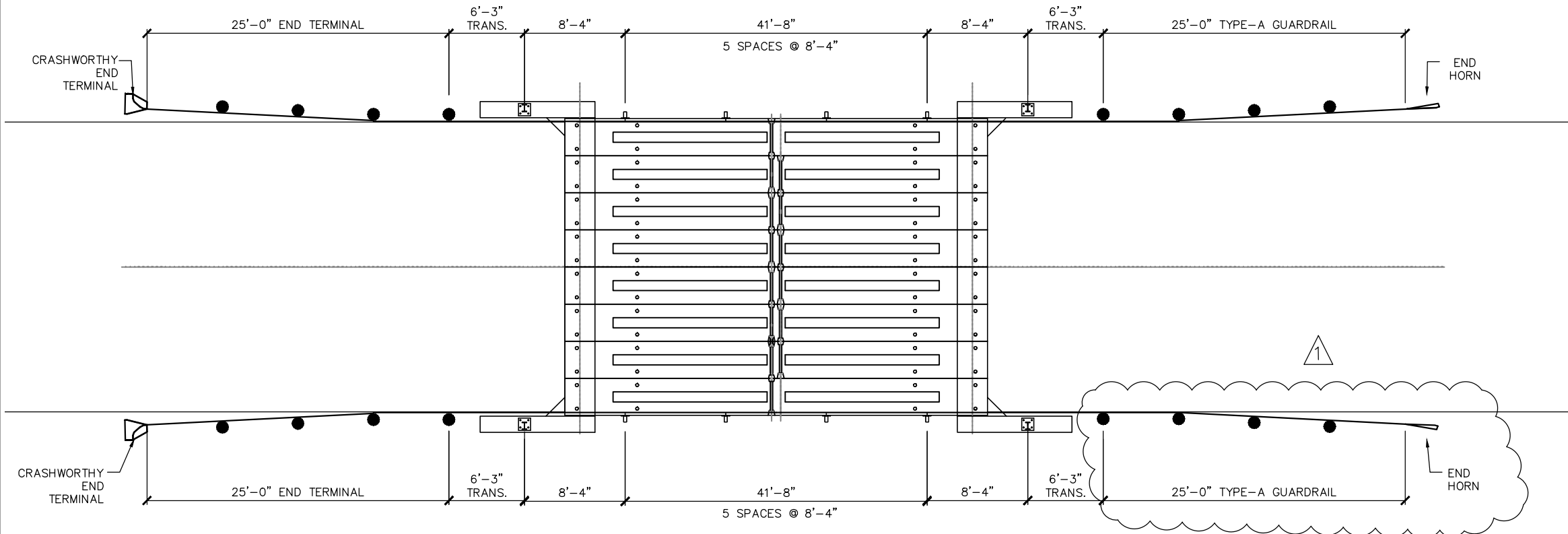


Date	
Revision/Issue	
No.	

C.R. 135 BRIDGE #0510014 (BRO-B0B2(31))
PIKE COUNTY, MISSOURI
RIGHT-OF-WAY PLAN

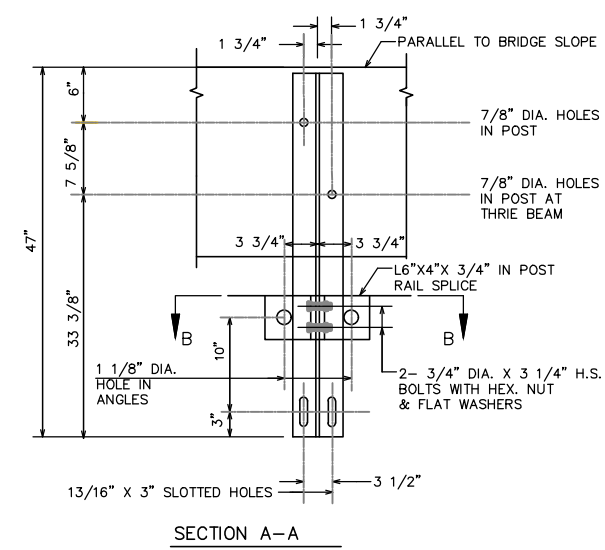
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CHECKED BY: BDV
DRAWN BY: JMW
JOB NUMBER: 3936
FILE NAME: 3936 ROW
SCALE: NO SCALE
ISSUE DATE: 2019.07.25
SHEET NUMBER:

RW1

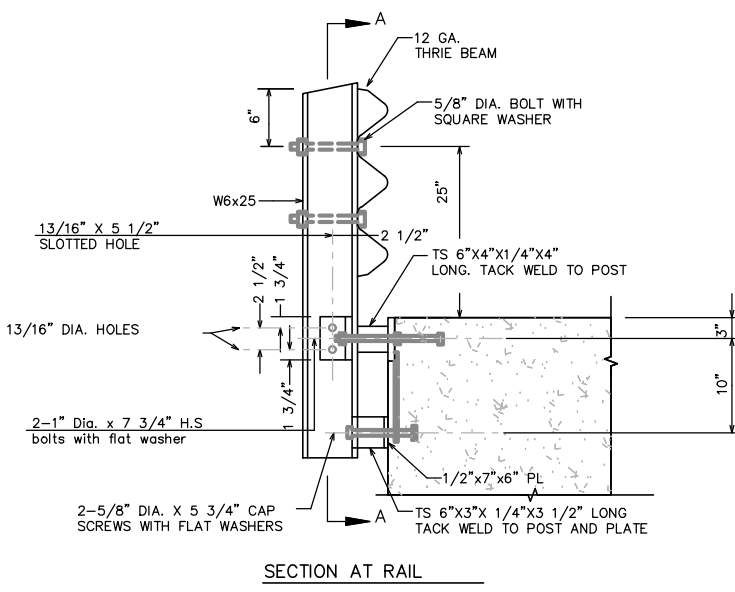


GUARDRAIL LOCATION PLAN

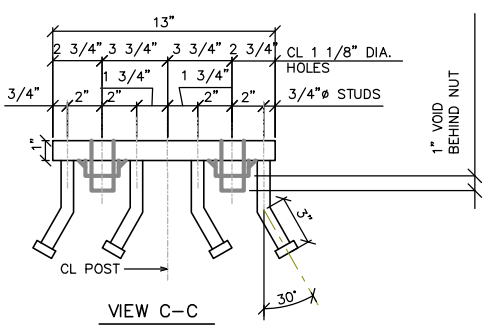
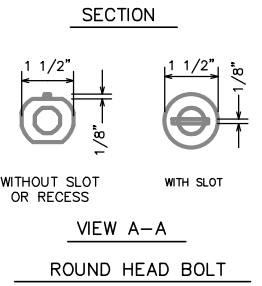
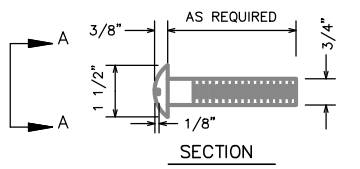
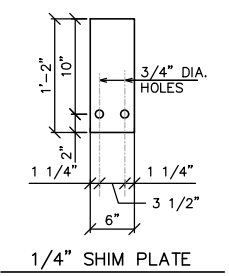
- NOTES:
1. ALL RAILING PARTS SHALL BE GALVANIZED ACCORDING TO SECTION 1040 OF MISSOURI STANDARD SPECIFICATIONS.
 2. RAILING POSTS SHALL BE SET PERPENDICULAR TO THE ROADWAY PROFILE GRADE AND VERTICALLY IN CROSS SECTIONS.
 3. WASHERS SHALL BE USED AT ALL POST BOLTS (BETWEEN BOLT HEAD AND BEAM). THEY SHALL BE RECTANGULAR IN SHAPE (3"x1 3/4" x 3/16 MIN.) AND FLAT, OR WHEN NECESSARY OF SUCH DESIGN AS TO GET THE CONTOUR OF THE BEAM. WASHERS SHALL HAVE A 11/16" x 1" SLOTTED HOLE.
 4. ALL LAP SPliced SHALL BE MADE IN THE DIRECTION OF TRAFFIC.
 5. THE BEARING PLATE AND BASE PLATE SHALL BE FABRICATED FROM A36 STEEL AND GALVANIZED



SECTION A-A

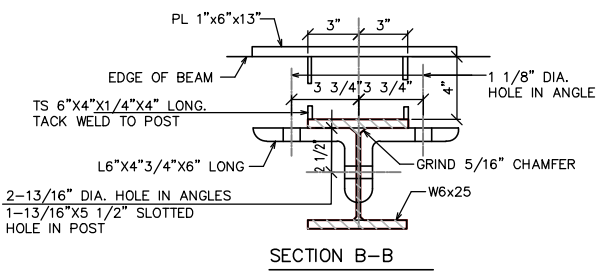


SECTION AT RAIL

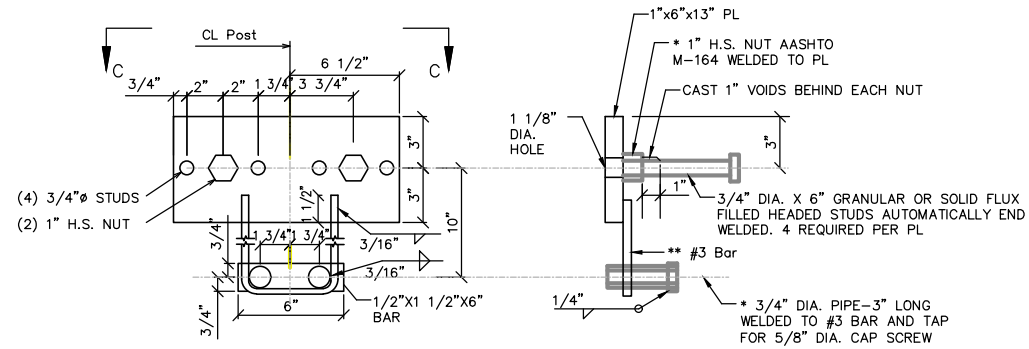


** WHENEVER THE INSERT ASSEMBLIES INTERFERE WITH STRAND LOCATION, THE #3 BARS SHALL BE CUT AND ADJUSTED IN ORDER TO ALLOW RAISING OR LOWERING OF THE LOWER INSERTS. MAXIMUM ADJUSTMENT NOT TO EXCEED 1/2"

* THREADED AREAS SHALL BE PLUGGED OR BLOCKED OFF DURING CASTING OF BEAM



SECTION B-B



ANCHOR DEVICE

NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

208 S. INGRAM HILL ROAD, SPRINGFIELD, MO 65804
PHONE: (417) 886-1771 FAX: (417) 886-7591
www.greengineering.com

STATE OF MISSOURI
JEFFREY A. BANDERET, JR.
NUMBER E-2017030568
REGISTERED PROFESSIONAL ENGINEER

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

PIKE COUNTY STANDARD BRIDGE PLANS

PIKE COUNTY, MISSOURI

BRIDGE RAILING AND DETAILS

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CHECKED BY: JAB

DRAWN BY: KFB

JOB NUMBER: 3936

FILE NAME:

SCALE: NO SCALE

ISSUE DATE: 01.08.2020

SHEET NUMBER:

S6