

901 Vine Street
P.O. Box 72
Poplar Bluff, MO 63902
Phone 573.785.9621
Fax 573.785.2651



ADDENDUM NO. 2

DATE: March 4, 2020

PROJECT: Reynolds County Road 364 Bridges

PROJECT No.: S&C # P180262

LETTING DATE: March 9th, 2019 at 10:00 AM

LOCATION: Reynolds County Courthouse, Centerville, MO

OWNER: Reynolds County

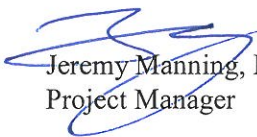
ENGINEER: S. H. Smith & Company, Inc. of Poplar Bluff, Missouri

SUBJECT: Project Plans - Barrier Details

1. Due to a discrepancy, and additional clarification needed for the placement of the barriers, please replace the existing plan sheets **6, 9, 10, 19, 21, 22, and 31** with the attached revised plan sheets.

Sincerely,

SMITH & CO.
ENGINEERS

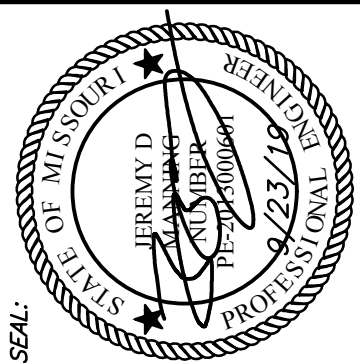

Jeremy Manning, P.E.
Project Manager



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
SE	MO	BRO-B090(010)	2018	6	36

SEC 22 & 34, T32N, R2E

BRIDGE NO. 0840012



JEREMY D. MANNING
MO# PE-2013000601
S.H. SMITH & COMPANY
CERT. # E-616-D

NO.	REVISIONS	DATE	BY	APP.
1	REVISED BARRIER CURB	12/28/20	JDM	
2	REVISED BARRIER LOCATION	12/28/20	JDM	

SURVEYED BY: BC/RM DATE: 12/19
DESIGNED BY: JDM DATE: 1/19
DRAWN BY: JDM/DAH DATE: 2/19
CHECKED BY: JDM DATE: 3/19
FIELD BOOK: 418
THIS BAR WILL MEASURE 1" WHEN PRINTED AT FULL SCALE.

SMITH & CO. ENGINEERS
AN EMPLOYEE OWNED COMPANY
901 VINE STREET, P.O. BOX 72
POPLAR BLUFF, MISSOURI 63802
PHONE: (673) 785-9821 FAX: (673) 785-2851
WWW.SHSMITHCO.COM
LICENSED PROFESSIONAL ENGINEER
ENVIRONMENTAL & GEOTECHNICAL SERVICES • MATERIAL TESTING

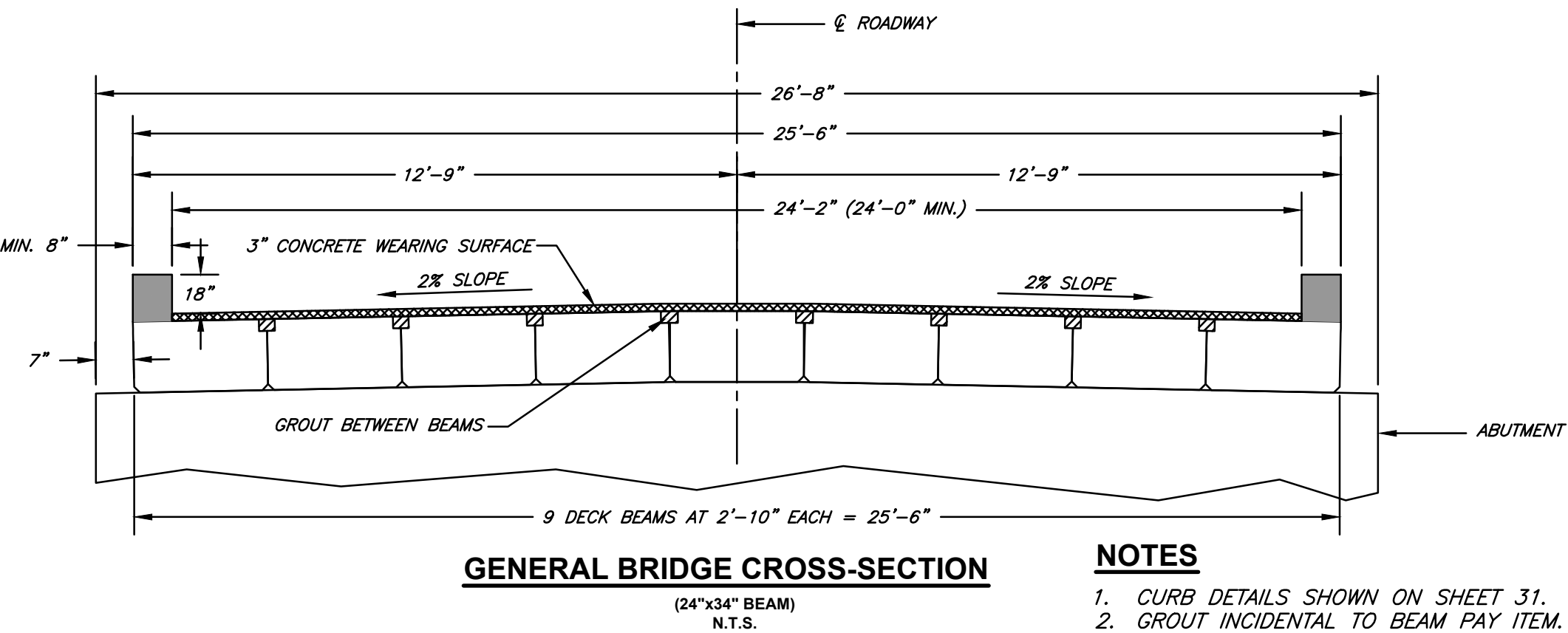
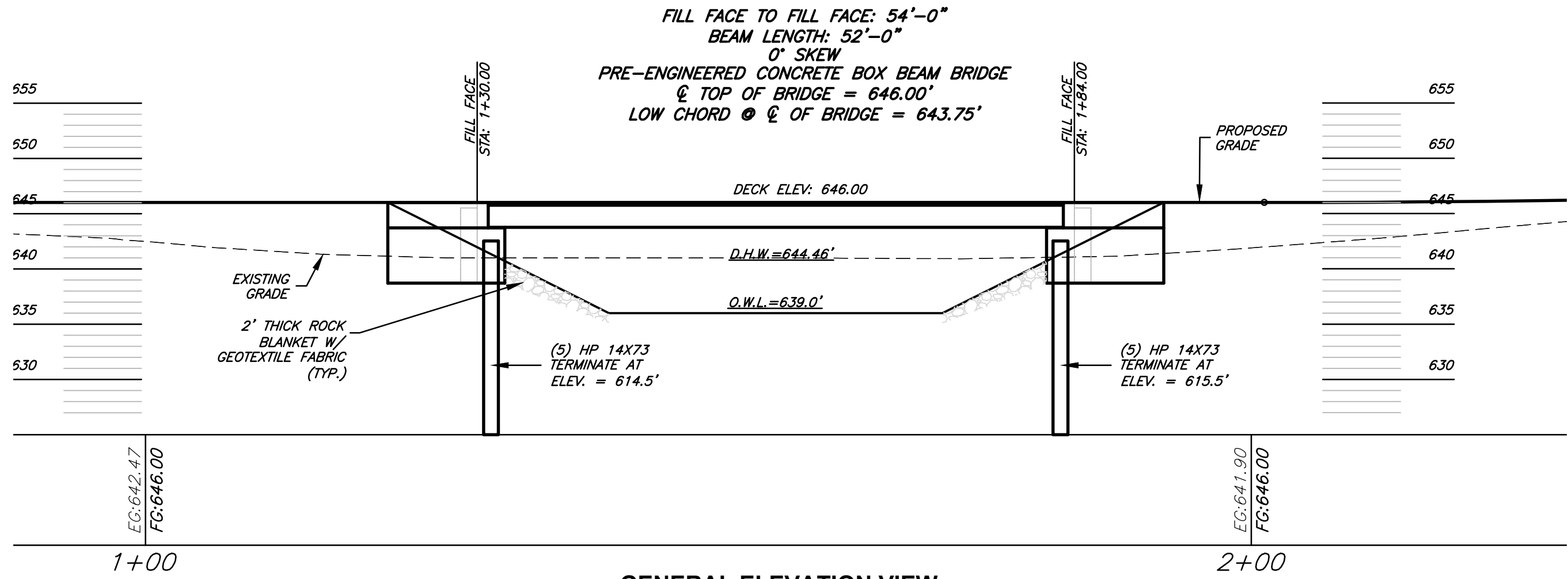
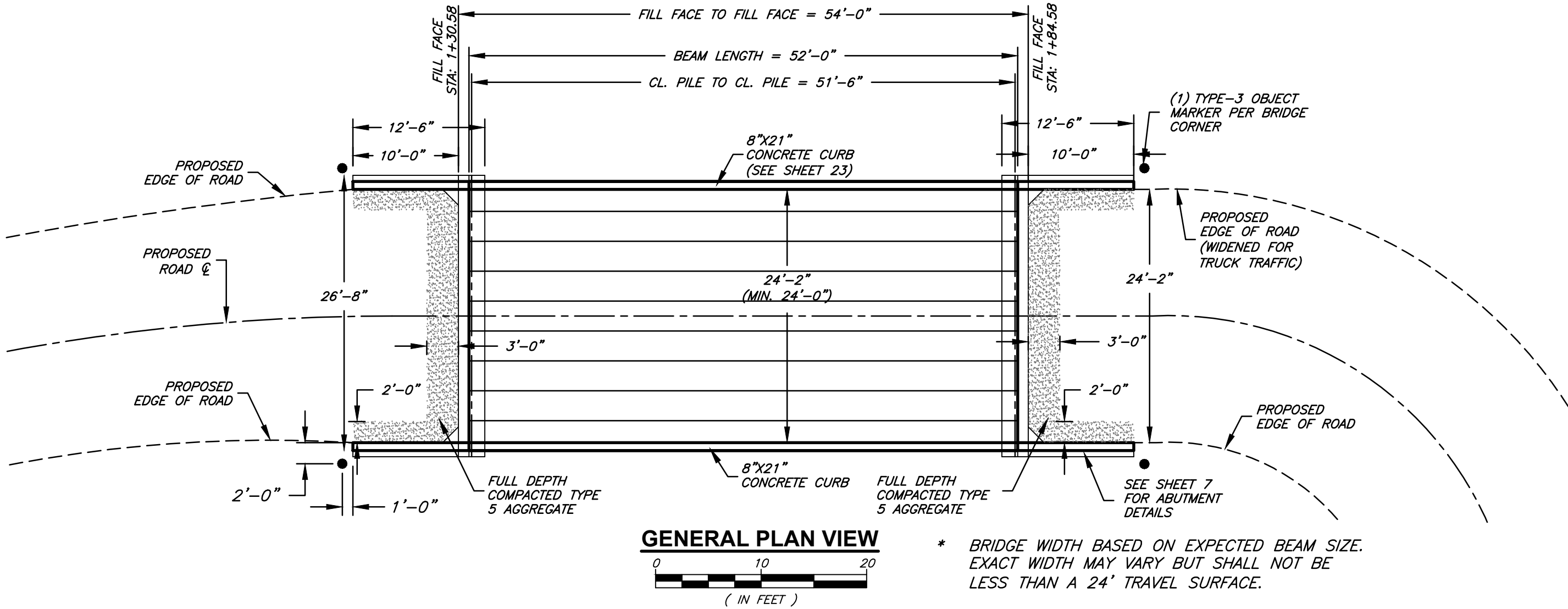
COUNTY RD. 364 BRIDGES OVER MILL CREEK
SHOOTS & ALCORN HOLLOW

MILL CREEK SHOOTS BRIDGE
LAYOUT & DECK DETAILS

PROJECT #: P180262

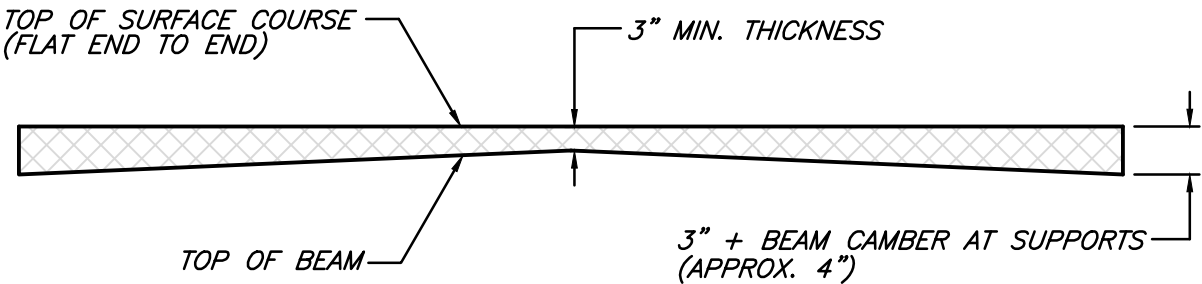
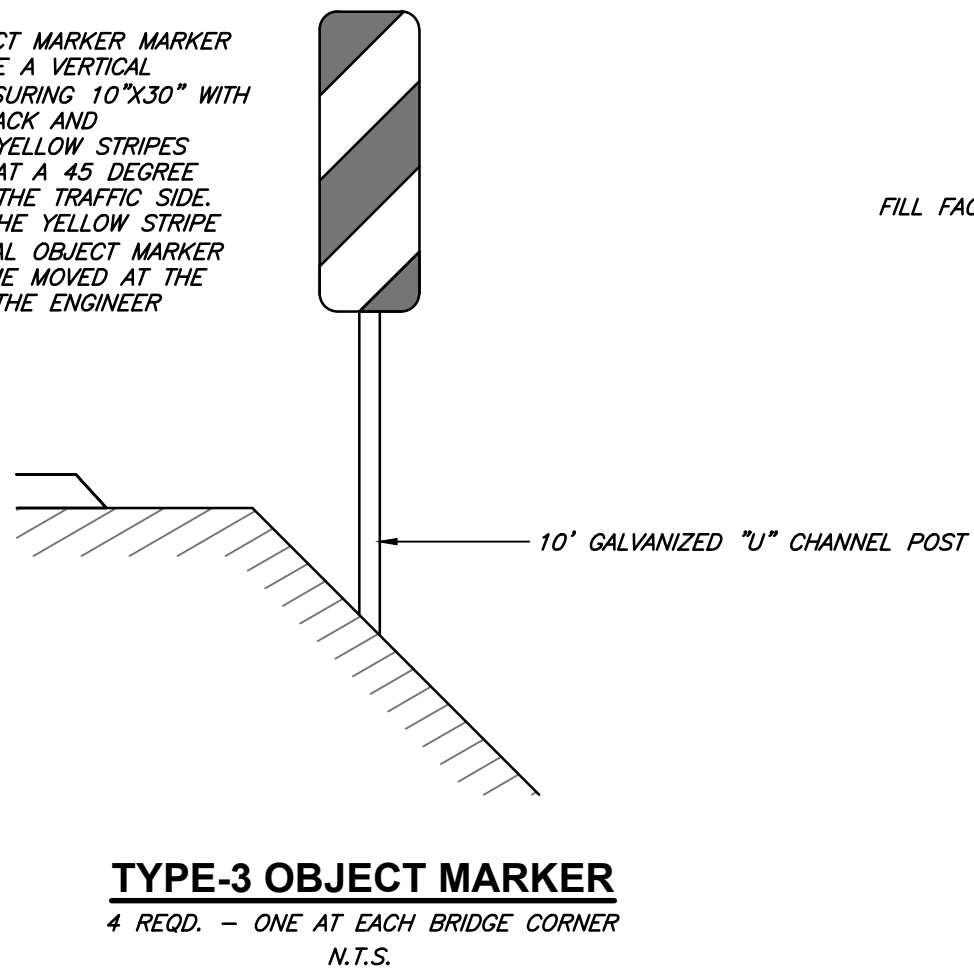
SHEET:

6



* DIMENSIONS SHOWN BASED ON POSSIBLE LARGER BEAM SIZES, DEPENDING ON MANUFACTURER. SUPERSTRUCTURE PAY ITEM WILL BE BASED ON MIN. 24' WIDTH. ADDITIONAL SQUARE FOOTAGE OR ALTERATIONS OF BENTS TO BE INCIDENTAL TO THE PRE-ENGINEERED SUPERSTRUCTURE PAY ITEM.

- NOTES**
- CURB DETAILS SHOWN ON SHEET 31.
 - GROUT INCIDENTAL TO BEAM PAY ITEM.
 - WIDTH SHOWN IS MINIMUM DIMENSION, MAY VARY SLIGHTLY ACCORDING TO SUPERSTRUCTURE MANUFACTURER.

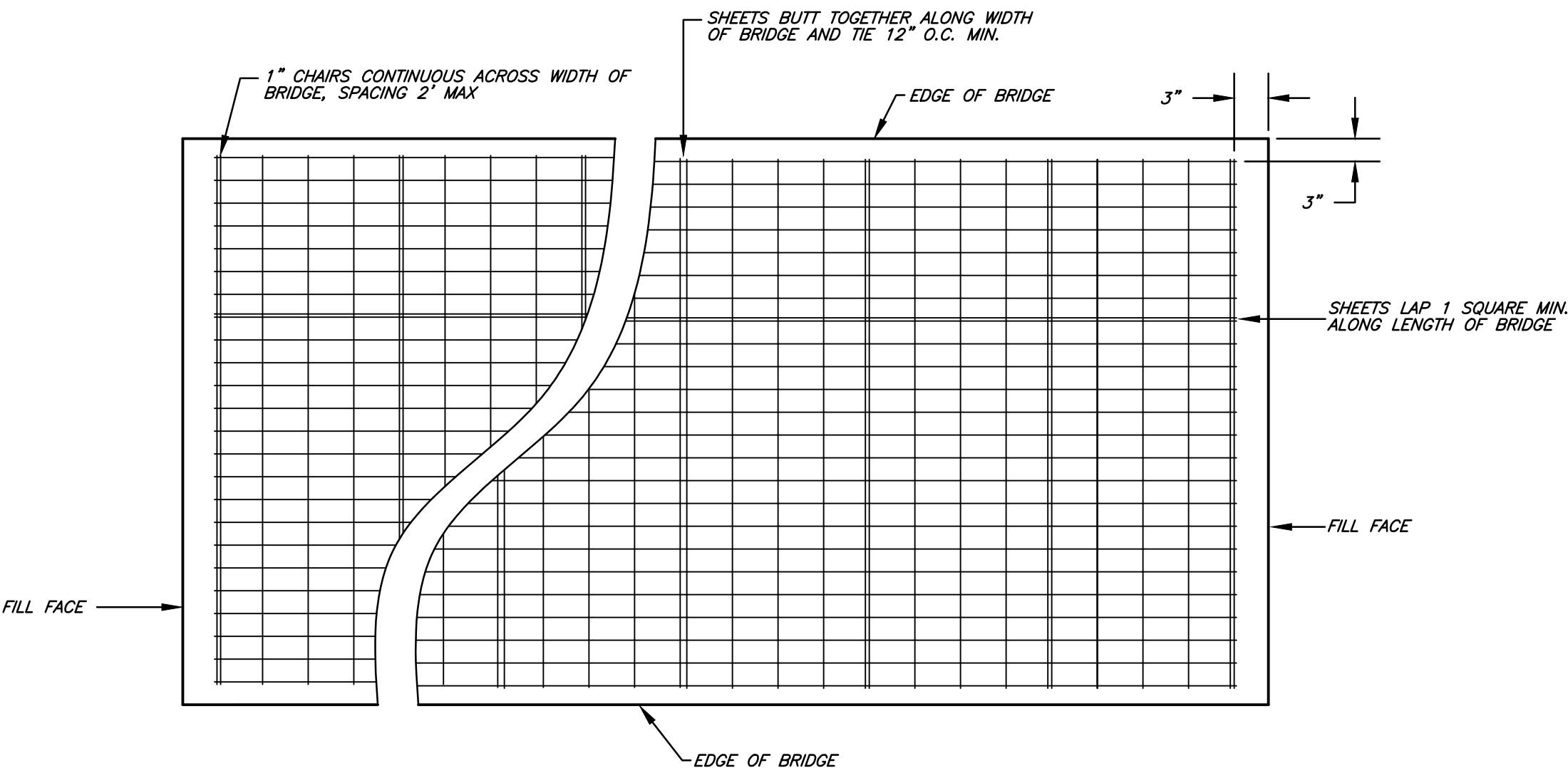


PROFILE OF CONCRETE WEARING SURFACE

* CAMBER IS THEORETICAL AND SHOULD BE VERIFIED BY SUPERSTRUCTURE MANUFACTURER PRIOR TO BIDDING.

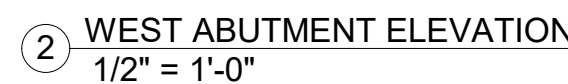
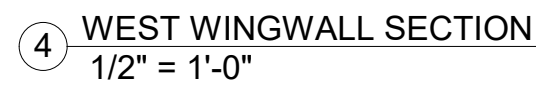
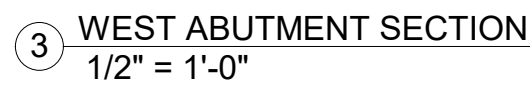
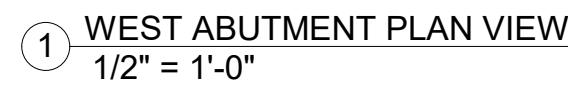
NOTES

- AFTER BEAMS HAVE BEEN ERECTED, HOLES SHALL BE DRILLED INTO SUBSTRUCTURE AND ANCHOR DOWELS PLACED. DOWEL HOLES SHALL BE FILLED WITH NON-SHRINK GROUT TO TOP OF BEAM WITH APPROVED NON-METALLIC EXPANSIVE (NON-SHRINK) GROUT PER MoDOT'S QUALIFIED LISTING - FS1066 - TABLE1 (NO PEA GRAVEL ALLOWED).
- LONGITUDINAL KEYS SHALL BE GROUTED WITH APPROVED NON-METALLIC EXPANSIVE (NON-SHRINK) GROUT PER MoDOT'S QUALIFIED LISTING - FS1066 - TABLE1 (NO PEA GRAVEL ALLOWED). GROUT WILL BE SAMPLED AND TESTED IN ACCORDANCE TO ASTM C1019.
- LONGITUDINAL TIE SYSTEM TO BE APPROVED WITH SHOP DRAWING SUBMITTAL PRIOR TO CONSTRUCTION.



REINFORCED CONCRETE SLAB OVERLAY REINFORCEMENT

NOTE: REINFORCEMENT SHALL CONSIST OF W#6X6-W#4XW#4, SUPPLIED IN SHEETS, SUPPORTED BY CHAIRS WITH A MAX. HEIGHT OF 1 INCH. SHEET EDGES WILL LAP ALONG THE LENGTH OF THE BRIDGE, BUT NOT PERPENDICULAR TO THE BRIDGE CENTER LINE.



5 WEST ABUTMENT

BRIDGE NO. 0840012

SURVEYED BY:	BC/RM	DATE:	12/18
DESIGNED BY:	Designer	DATE:	1/19
DRAWN BY:	Author	DATE:	5/19
CHECKED BY:	Checker	DATE:	5/19
FIELD BOOK:	418		



1/2" = 1'-0"

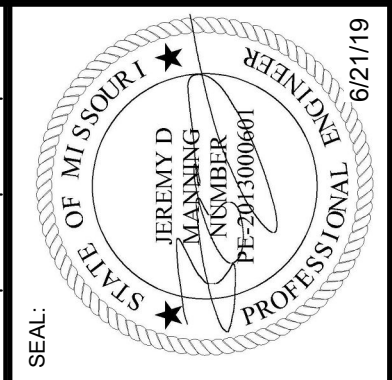
THIS BAR WILL MEASURE 1"
WHEN PRINTED AT FULL SCALE.

COUNTY RD. 364 BRIDGES OVER
MILL CREEK SHOOTS & ALCORN HOLLOW

PROJECT#: P180262

SHEET: 9

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
SOUTHEAST	MO	BRO-B090(010)	2017	8	36
SEC 22 & 34, T32N, R2E					
BRIDGE NO. 0840012					



JEREMY D. MANNING
MO# PE-2013000601
S.H. SMITH & COMPANY
CERT # E-616-D

NO.	REVISIONS	DATE	BY	APP
1	REVISED CURB SIZE	12/25/20	DKH	JDM

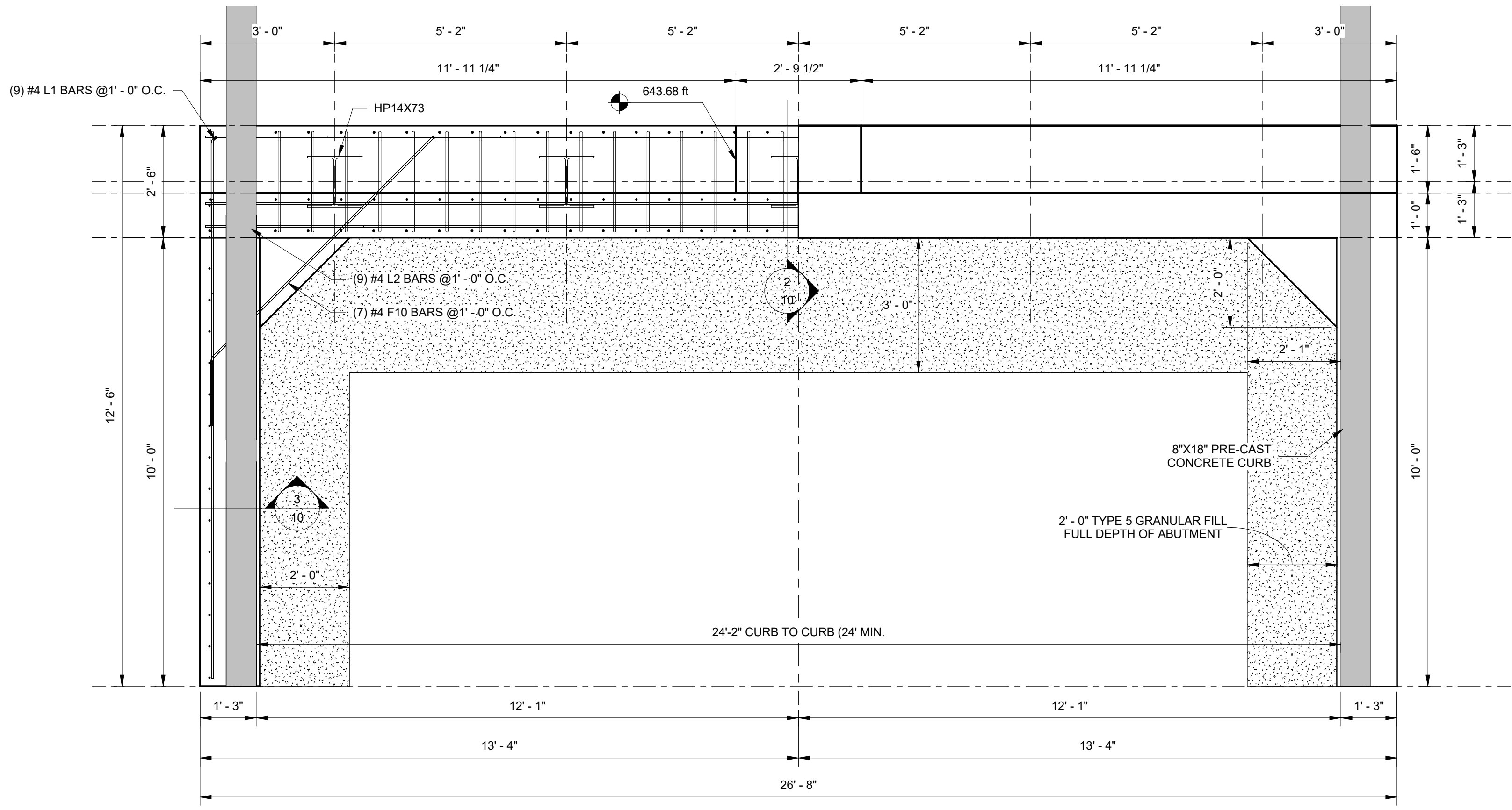
SURVEYED BY:	BCRM	DATE:	12/18
DESIGNED BY:	JDM	DATE:	1/19
DRAWN BY:	DKH	DATE:	5/19
CHECKED BY:	JDM	DATE:	5/19
FIELD BOOK:	418		

1/2" = 1'-0"
THIS BAR WILL MEASURE 1"
WHEN PRINTED AT FULL SCALE

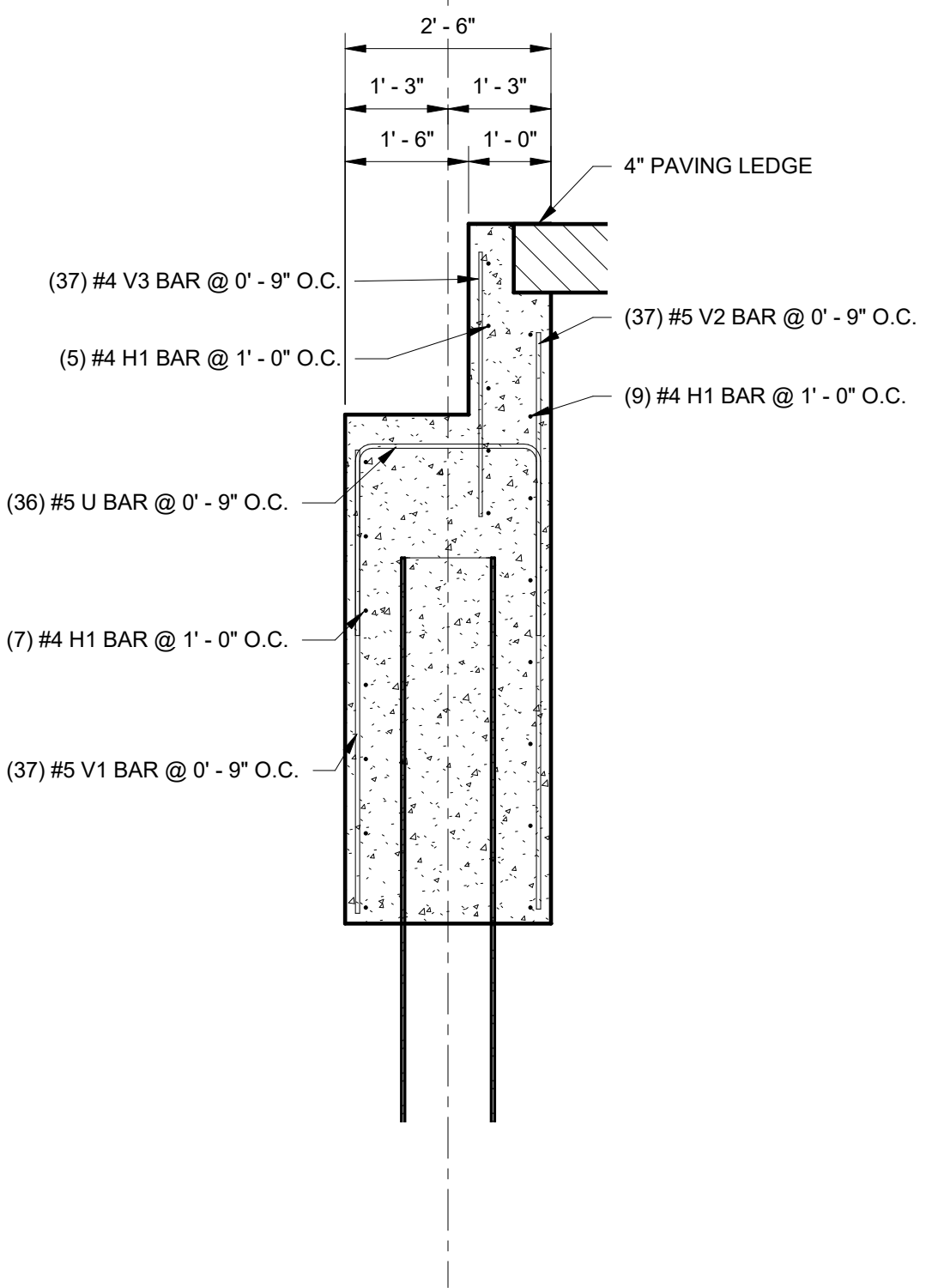
SMITH & CO. ENGINEERS & CO.
ESTABLISHED 1982
A EMPLOYEE OWNED COMPANY
901 VINE STREET, P.O. BOX 72
POPULAR BLUFF, MISSOURI 63302
PHONE: (673) 765-9621
WWW.SMITHANDCO.COM
CIVIL ENGINEERING • SURVEYING • MATERIAL TESTING
ENVIRONMENTAL & GEOTECHNICAL SERVICES

COUNTY RD. 364 BRIDGES OVER
MILL CREEK SHOOTS & ALCORN HOLLOW
**MILL CREEK SHOOTS
EAST ABUTMENT DETAILS**

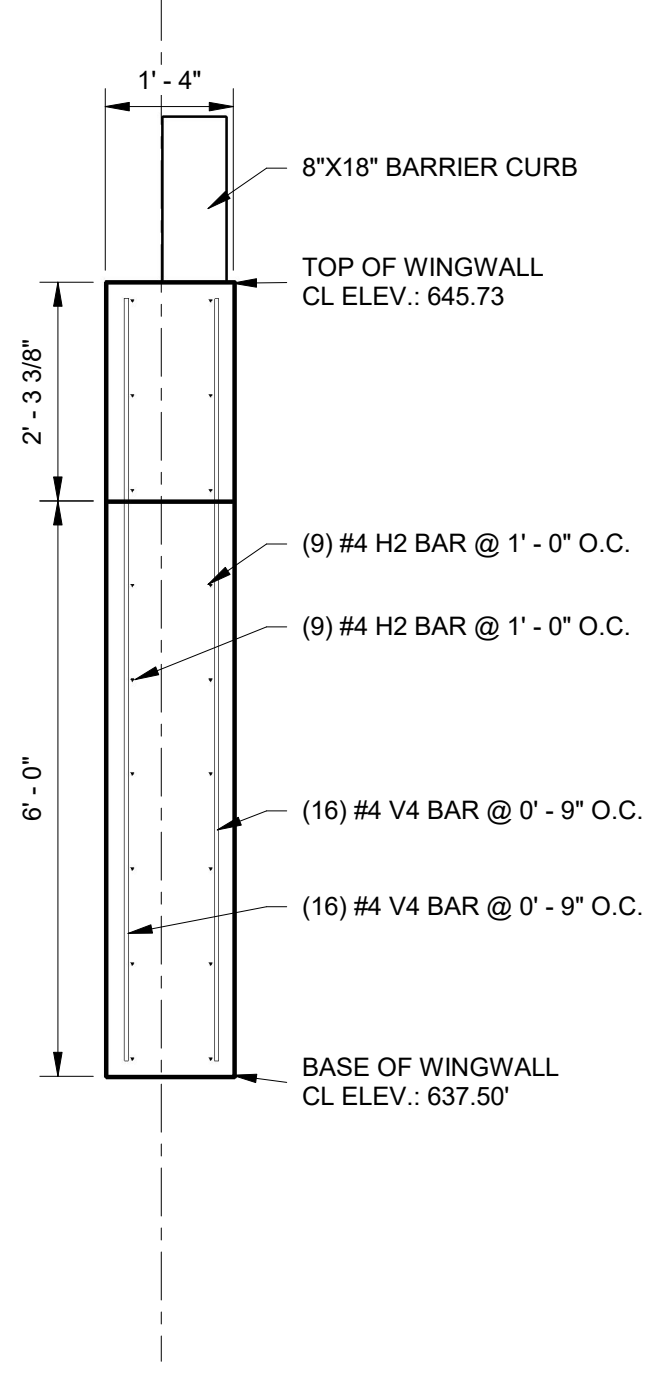
PROJECT#: P180262
SHEET: 10



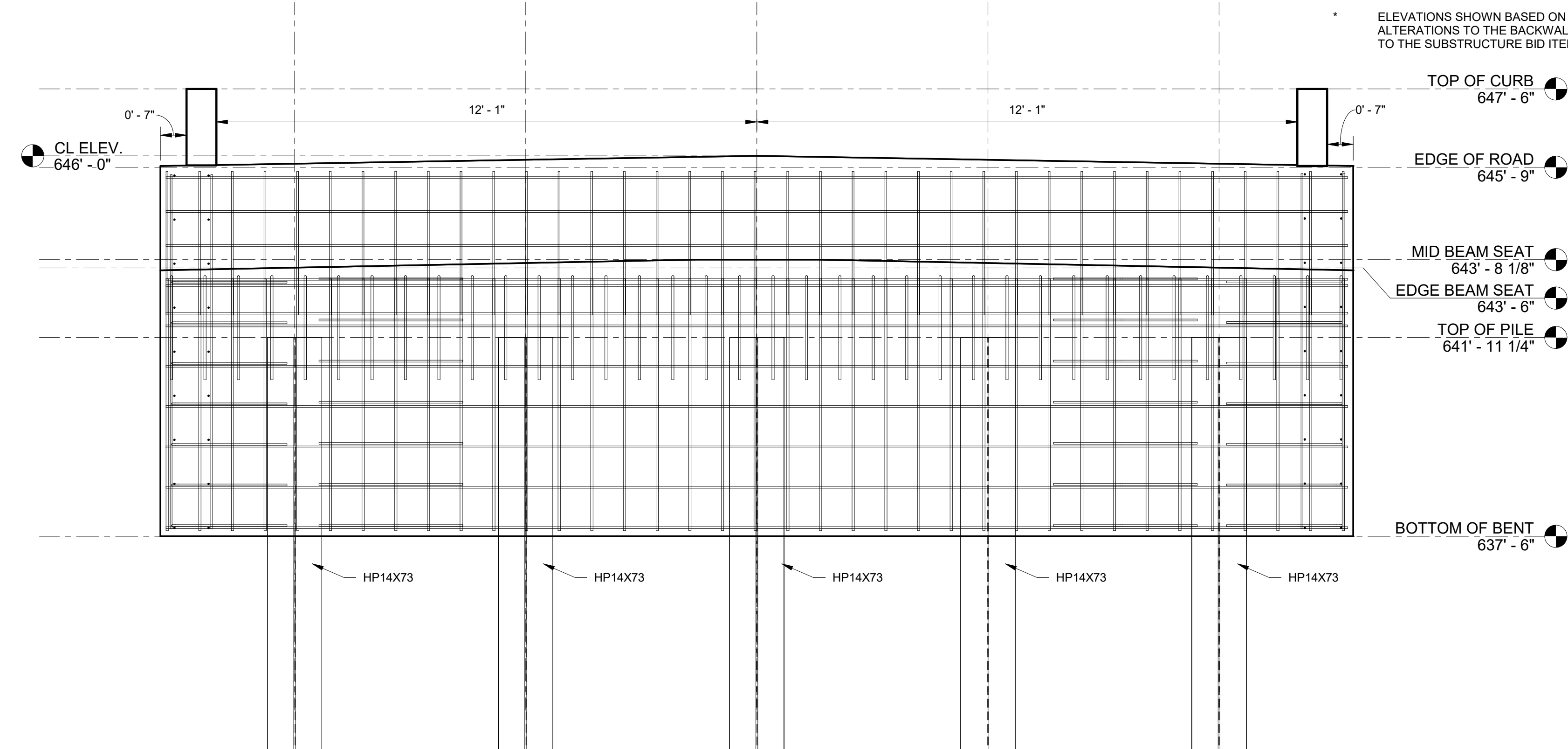
1 EAST ABUTMENT PLAN VIEW
1/2" = 1'-0"



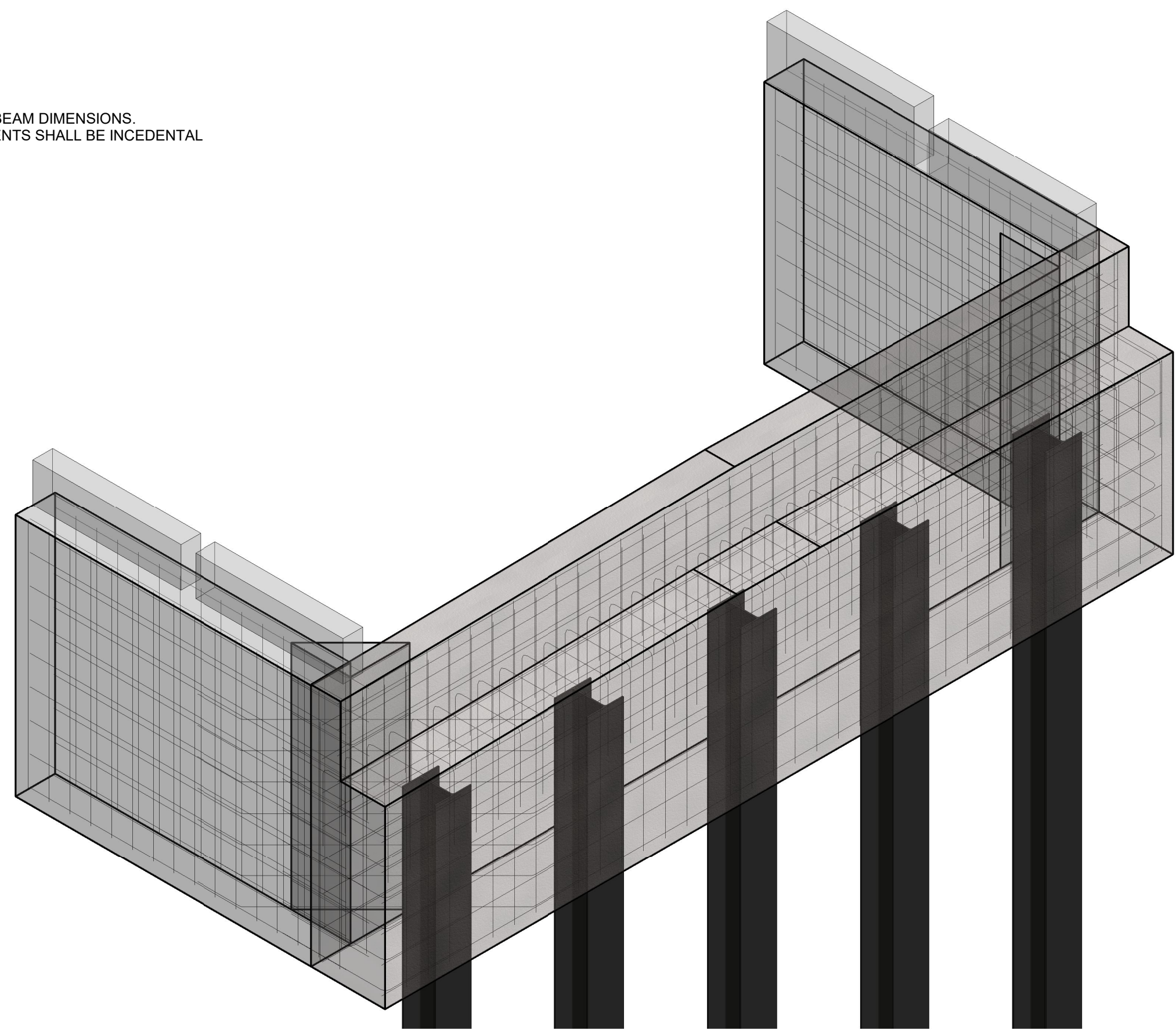
2 EAST ABUTMENT SECTION
1/2" = 1'-0"



3 EAST WINGWALL SECTION
1/2" = 1'-0"



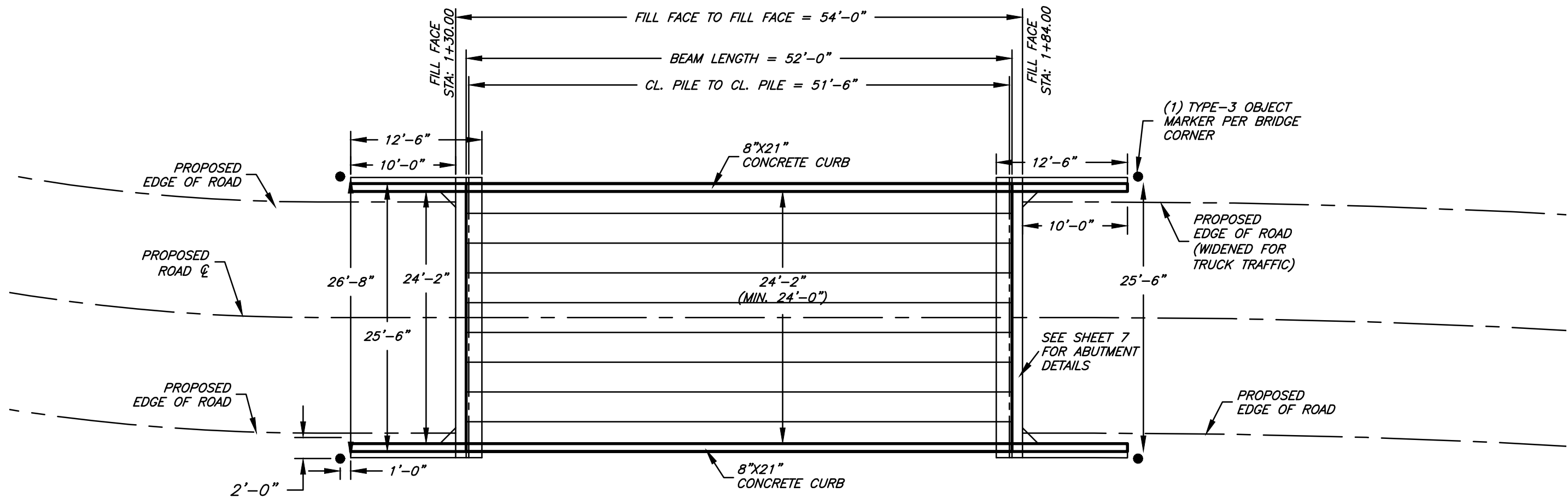
4 EAST ABUTMENT ELEVATION
1/2" = 1'-0"



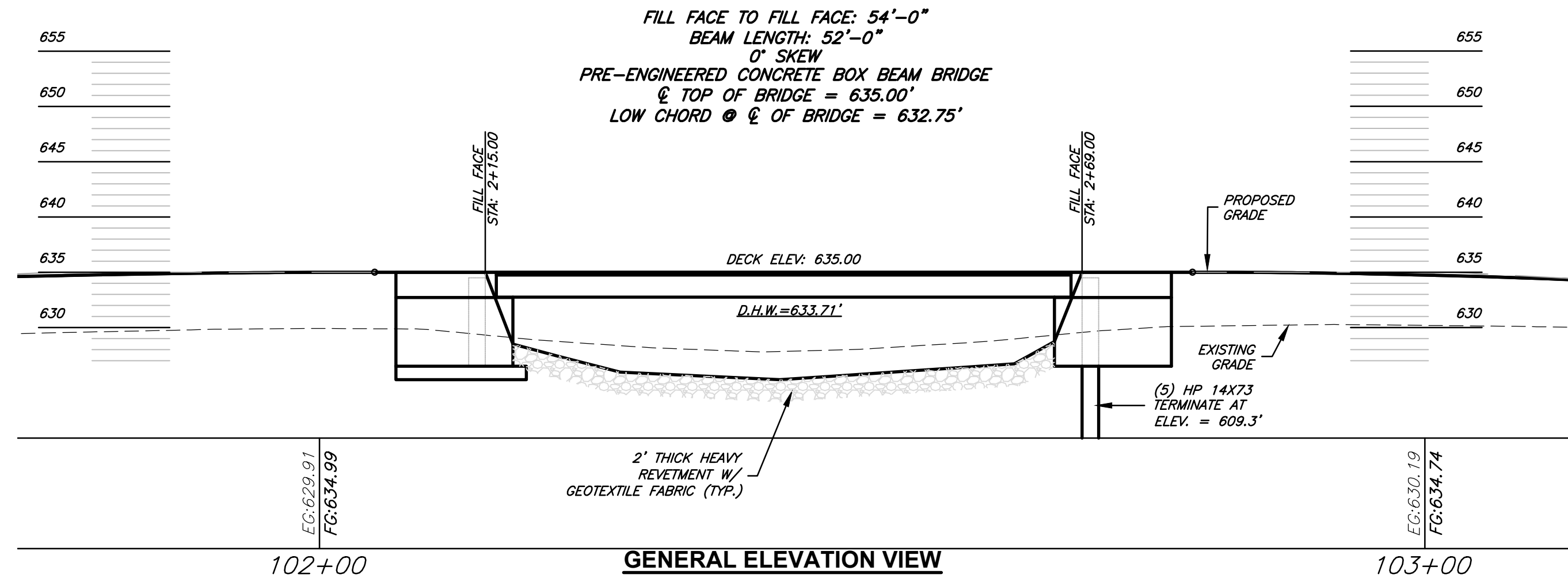
5 EAST ABUTMENT

ELEVATIONS SHOWN BASED ON EXPECTED BEAM DIMENSIONS.
ALTERATIONS TO THE BACKWALL AND/OR BENTS SHALL BE INCIDENTAL
TO THE SUBSTRUCTURE BID ITEM.

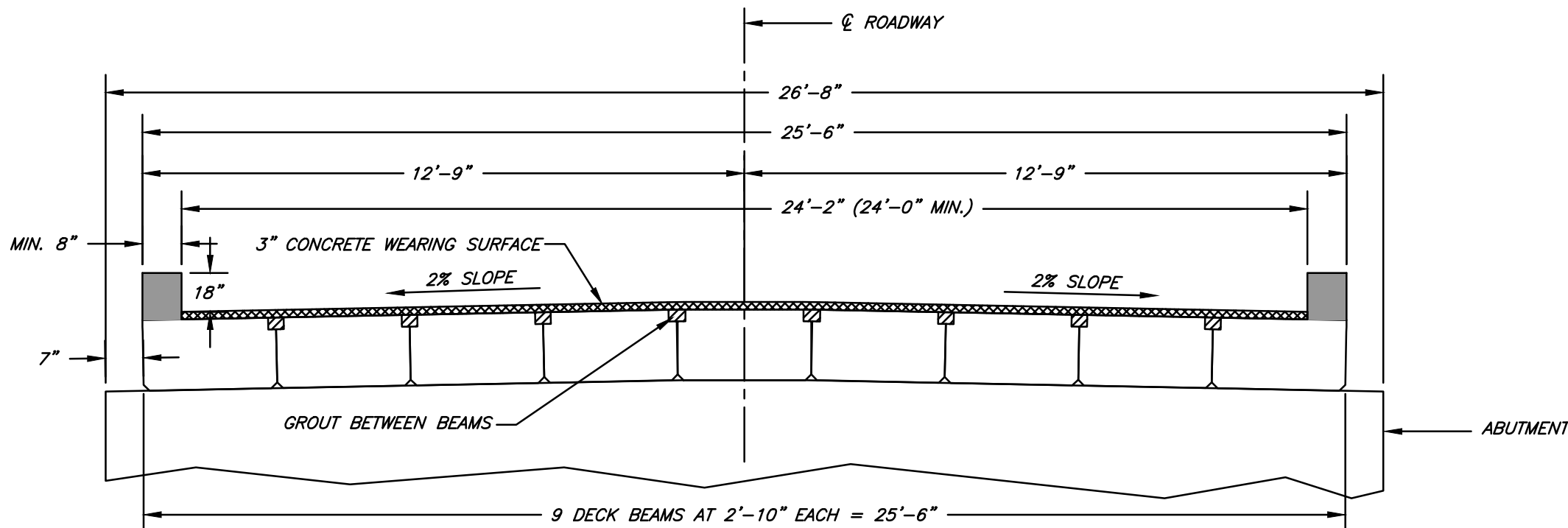
2/26/2020 2:48 PM A:\P180262 Reynolds County Road 364 Bridges over Mill Street and Alcorn Hollow [Eng Drawings] Alcorn Hollow [P180262] - ALCORN HOLLOW.dwg



GENERAL PLAN VIEW



GENERAL ELEVATION VIEW



GENERAL BRIDGE CROSS-SECTION

NOTES

1. CURB DETAILS SHOWN ON SHEET 31.
2. GROUT INCIDENTAL TO BEAM PAY ITEM.
3. WIDTH SHOWN IS MINIMUM DIMENSION, MAY VARY SLIGHTLY ACCORDING TO SUPERSTRUCTURE MANUFACTURER.

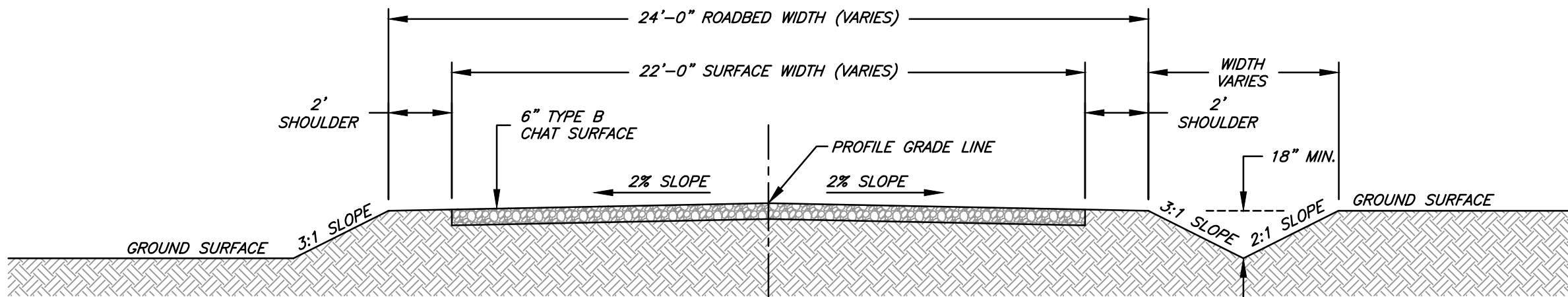
* DIMENSIONS SHOWN BASED ON POSSIBLE LARGER BEAM SIZES, DEPENDING ON MANUFACTURER. SUPERSTRUCTURE PAY ITEM WILL BE BASED ON MIN. 24" WIDTH. ADDITIONAL SQUARE FOOTAGE OR ALTERATIONS OF BENTS TO BE INCIDENTAL TO THE PRE-ENGINEERED SUPERSTRUCTURE PAY ITEM.

TYPE - 3 OBJECT MARKER BOARD SHALL BE A VERTICAL RECTANGLE MEASURING 10"x30" WITH ALTERNATING BLACK AND REFLECTORIZED YELLOW STRIPES SLOPING DOWN AT A 45 DEGREE ANGLE TOWARD THE TRAFFIC SIDE. THE WIDTH OF THE YELLOW STRIPE WILL BE 6". FINAL OBJECT MARKER LOCATION MAY BE MOVED AT THE DISCRETION OF THE ENGINEER

10' GALVANIZED "U" CHANNEL POST

TYPE-3 OBJECT MARKER

4 REQD. - ONE AT EACH BRIDGE CORNER
N.T.S.

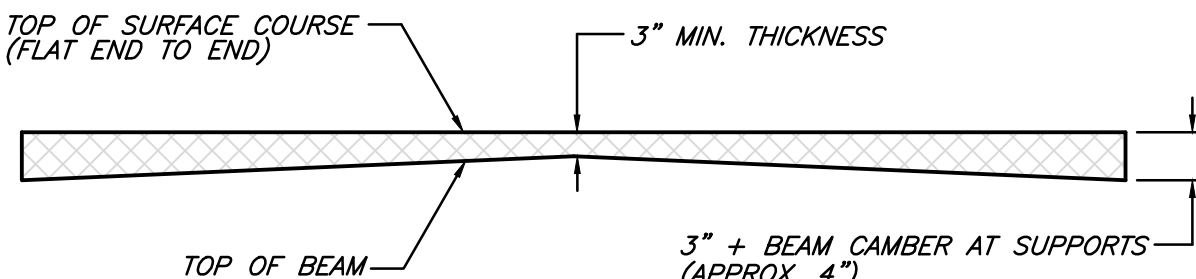


TYPICAL GRAVEL ROADWAY SECTION

N.T.S.

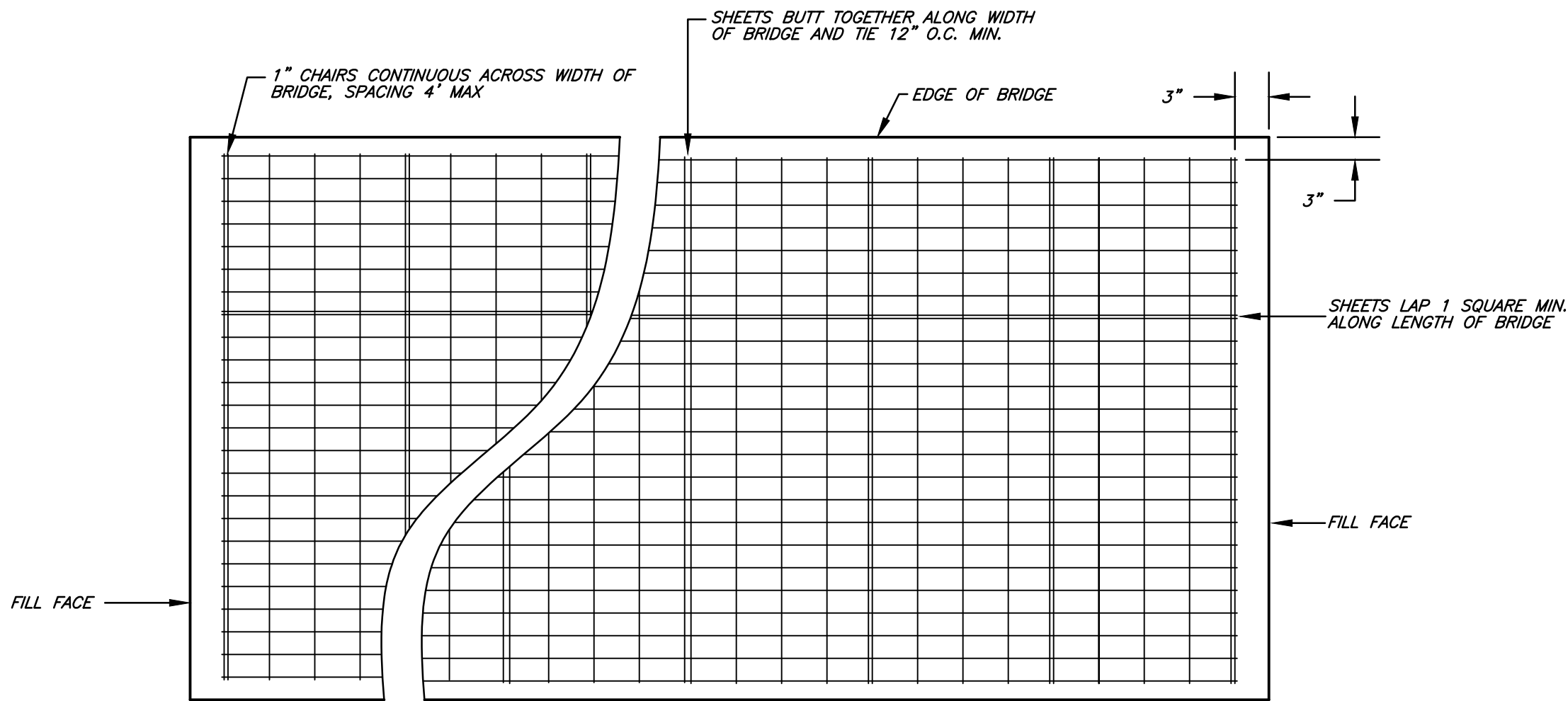
NOTES

1. AFTER BEAMS HAVE BEEN ERECTED, HOLES SHALL BE DRILLED INTO SUBSTRUCTURE AND ANCHOR DOWELS PLACED. DOWEL HOLES SHALL BE FILLED WITH NON-SHRINK GROUT TO TOP OF BEAM WITH APPROVED NON-METALLIC EXPANSIVE (NON-SHRINK) GROUT PER MoDOT'S QUALIFIED LISTING - FS1066 - TABLE1 (NO PEA GRAVEL ALLOWED).
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3. LONGITUDINAL TIE SYSTEM TO BE APPROVED WITH SHOP DRAWING SUBMITTAL PRIOR TO CONSTRUCTION.



PROFILE OF CONCRETE WEARING SURFACE

* CAMBER IS THEORETICAL AND SHOULD BE VERIFIED BY SUPERSTRUCTURE MANUFACTURER PRIOR TO BIDDING.



REINFORCED CONCRETE SLAB OVERLAY REINFORCEMENT

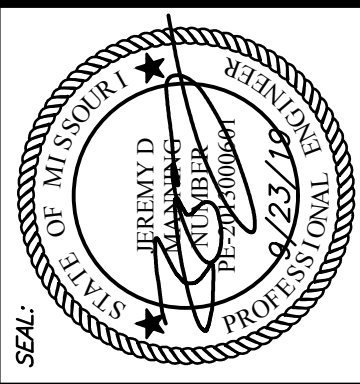
N.T.S.

NOTE: REINFORCEMENT SHALL CONSIST OF WWF6X6-W4XW4, SUPPLIED IN SHEETS, SUPPORTED BY CHAIRS WITH A MAX. HEIGHT OF 1 INCH. SHEET EDGES WILL LAP ALONG THE LENGTH OF THE BRIDGE, BUT NOT PERPENDICULAR TO THE BRIDGE CENTER LINE.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
SE	MO	BRO-B090(010)	2018	19	36

SEC 22 & 34, T32N, R2E

BRIDGE NO. 0840030



JEREMY D. MANNING
MO# PE-2013000601
S.H. SMITH & COMPANY
CERT. # E-616-D

NO.	REVISIONS	DATE	BY	APP.
1	REVISED BARRIER CURB	12/28/20	JDM	
2	REVISED BARRIER LOCATION	12/28/20	JDM	

SURVEYED BY: BC/RM	DATE: 12/19
DESIGNED BY: JDM	DATE: 1/19
DRAWN BY: JDM/JAH	DATE: 2/19
CHECKED BY: JDM	DATE: 3/19
FIELD BOOK: 418	

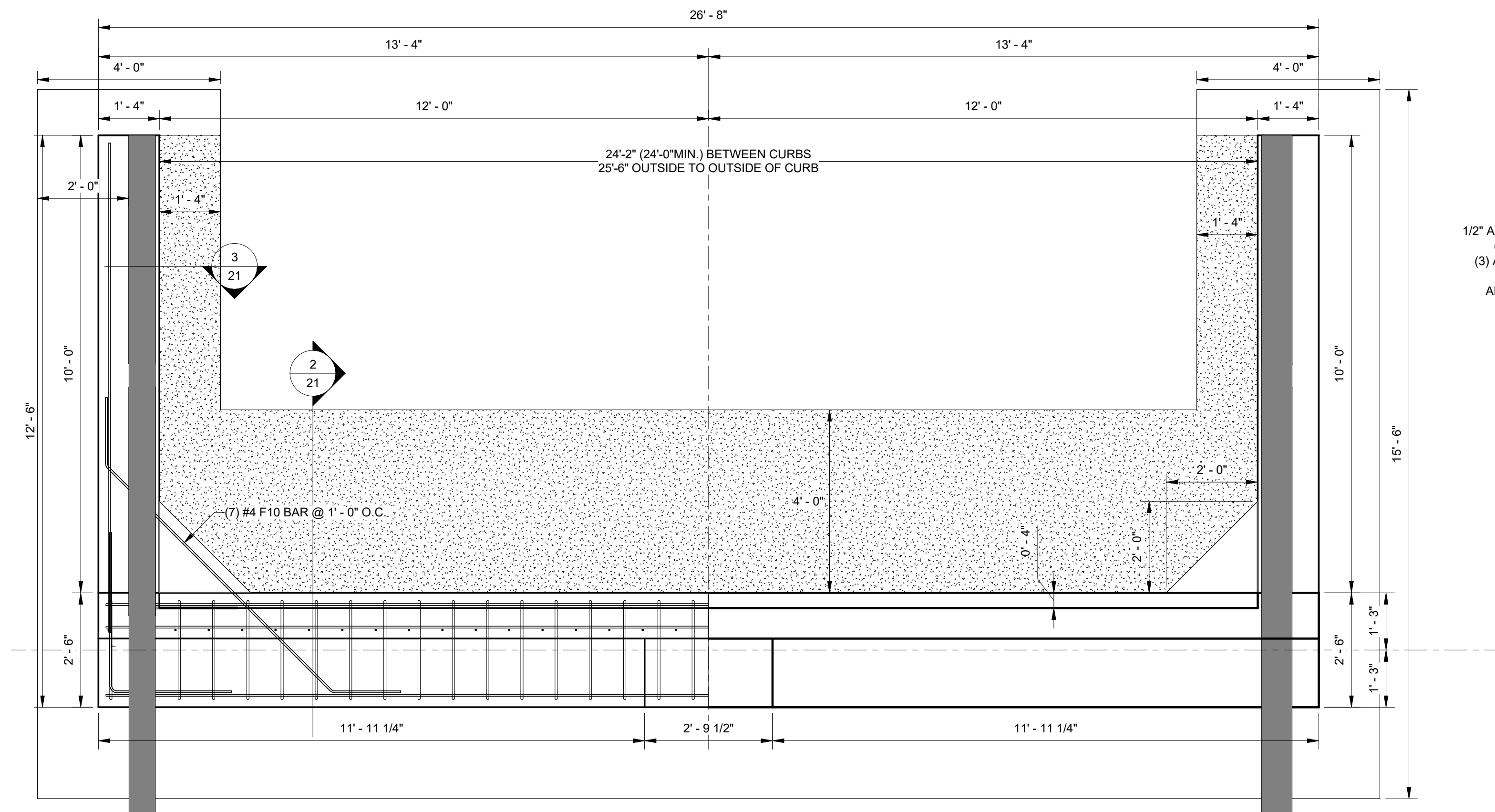
SMITH & CO. ENGINEERS
AN EMPLOYEE OWNED COMPANY
901 VINE STREET, P.O. BOX 72
POPULAR BLUFF, MISSOURI 63802
PHONE: (673) 785-9821 FAX: (673) 785-2851
WWW.SHSMITHCO.COM
ENVIRONMENTAL & GEOTECHNICAL SERVICES • MATERIAL TESTING

COUNTY RD. 364 BRIDGES OVER MILL CREEK
SHOOTS & ALCORN HOLLOW

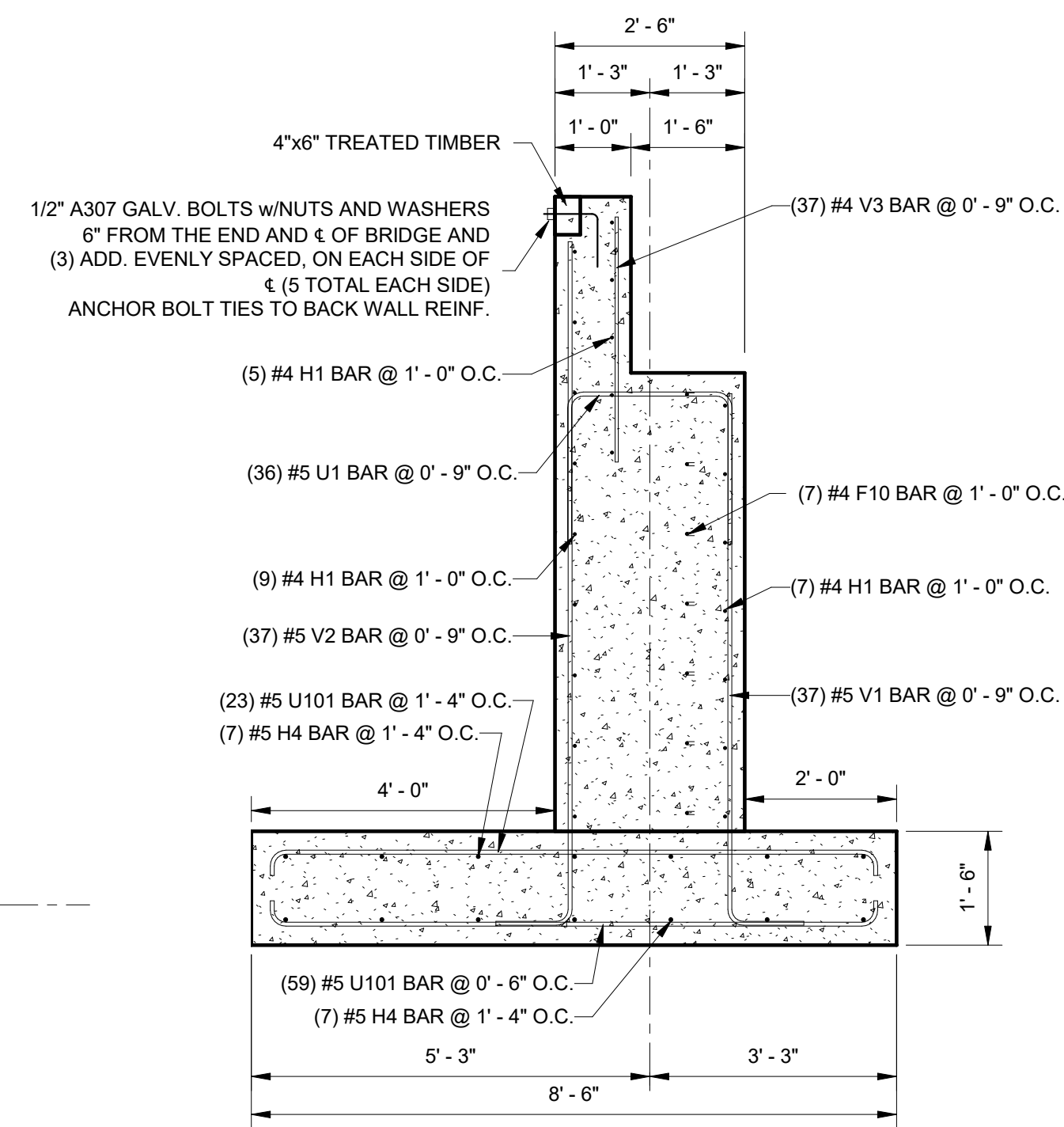
ALCORN HOLLOW BRIDGE LAYOUT
& TYPICAL ROAD SECTIONS

PROJECT #: P180262

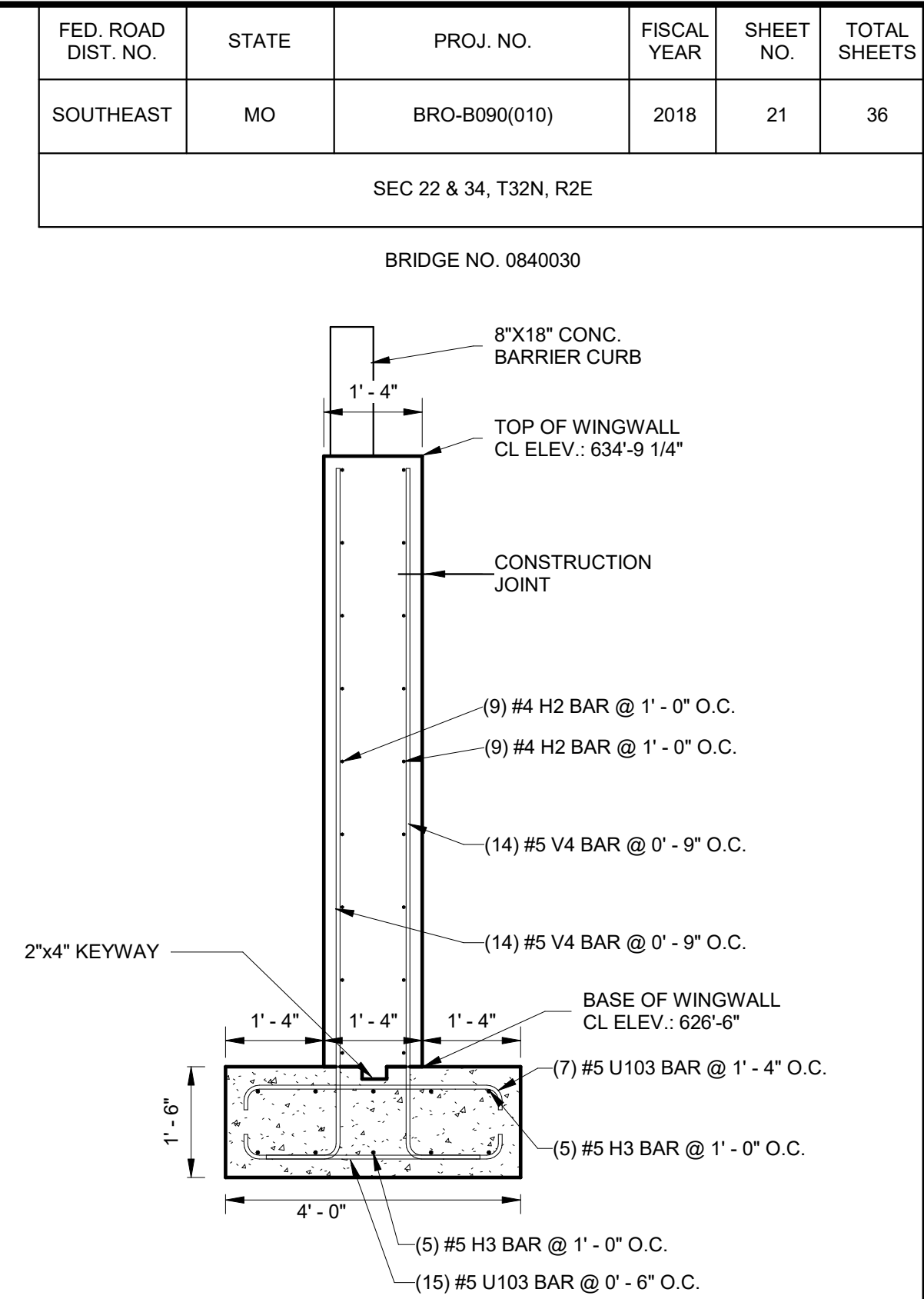
SHEET: 19



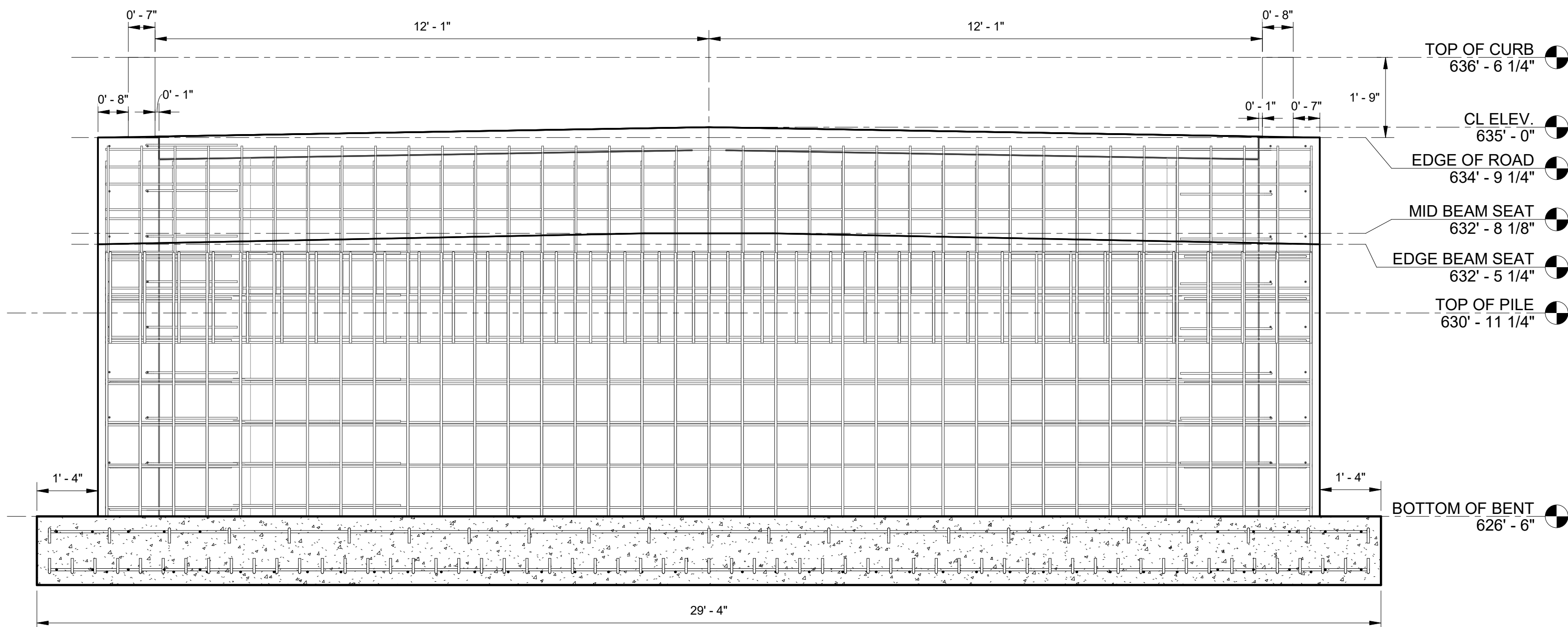
① NORTH ABUTMENT PLAN VIEW
1/2" = 1'-0"



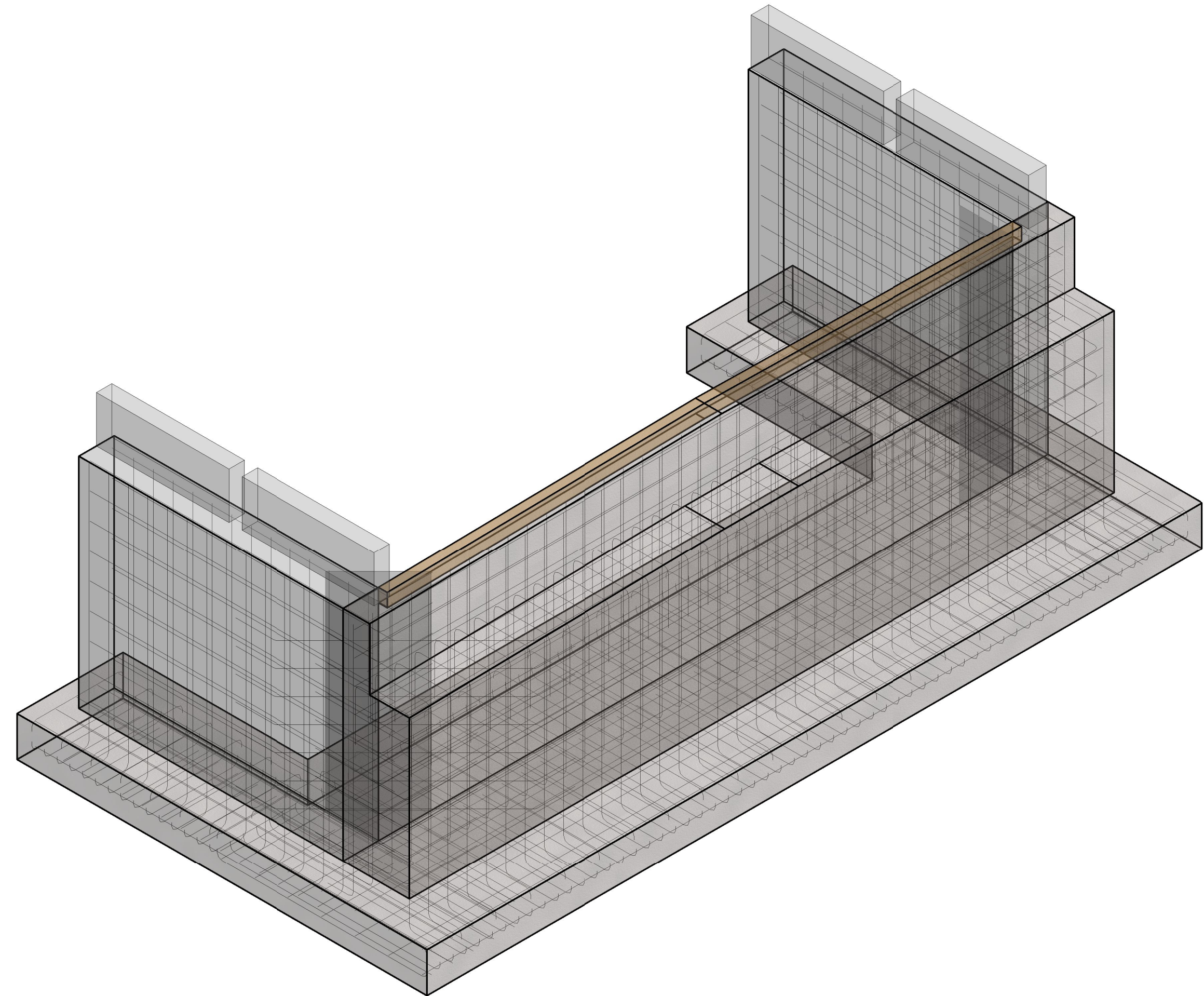
② NORTH ABUTMENT SECTION A
1/2" = 1'-0"



③ NORTH WINGWALL SECTION
1/2" = 1'-0"



④ NORTH ABUTMENT ELEVATION
1/2" = 1'-0"



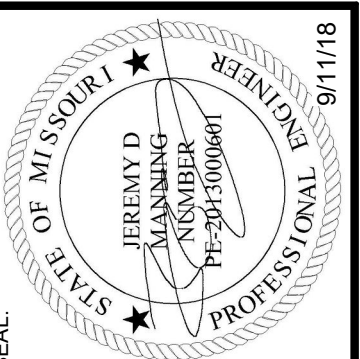
⑤ NORTH ABUTMENT

ELEVATIONS SHOWN BASED ON EXPECTED BEAM DIMENSIONS.
ALTERATIONS TO THE BACKWALL AND/OR BENTS SHALL BE INCEDENTAL
TO THE SUBSTRUCTURE BID ITEM.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
SOUTHEAST	MO	BRO-B090(010)	2018	21	36

SEC 22 & 34, T32N, R2E

BRIDGE NO. 0840030



JEREMY D. MANNING
MO# PE-2013000601

S.H. SMITH & COMPANY
CERT.# E-616-D

NO.	REVISIONS	DATE	BY	APP.
1	REVISED CURB SIZE			
2	REVISED CURB LOCATION			

SURVEYED BY:	DESIGNED BY:	DRAWN BY:	CHECKED BY:	FIELD BOOK:	BORM	DATE:

ESTABLISHED 1968

SMITH & CO.
ENGINEERS & ARCHITECTS

901 VINE STREET, P.O. BOX 172
POPLAR BLUFF, MISSOURI 63002
PHONE: (673) 785-9821 FAX: (673) 785-2851
WWW.SMITHCO.COM

CIVIL ENGINEERING - SURVEYING
ENVIRONMENTAL & GEOTECHNICAL SERVICES - MATERIAL TESTING

COUNTY RD. 364 BRIDGES OVER
MILL CHUTE & ALCORN HOLLOW

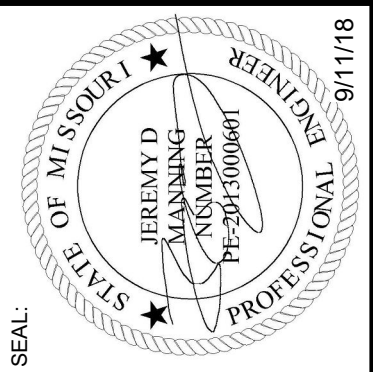
ALCORN HOLLOW
NORTH ABUTMENT DETAILS

PROJECT#: P180262

SHEET: 21

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
SOUTHEAST	MO	BRO-B090(010)	2018	22	36
SEC 22 & 34, T32N, R2E					

BRIDGE NO. 0840030



JEREMY D. MANNING
MO# PE-2013000601
S.H. SMITH & COMPANY
CERT.# E-616-D

NO.	REVISIONS	DATE	BY	APP.
1	REVISED CURB SIZE			
2	REVISED CURB LOCATION			

SURVEYED BY:	BORM	DATE:	12/18
DESIGNED BY:	JDM	DATE:	1/19
DRAWN BY:	DKH	DATE:	5/19
CHECKED BY:	JDM	DATE:	5/19
FIELD BOOK:	418		

ESTABLISHED 1968

AN EMPLOYEE OWNED COMPANY

SMITH & CO.

ENGINEERS & ARCHITECTS

901 VINE STREET, P.O. BOX 72

POPULAR BLUFF, MISSOURI 63302

PHONE: (573) 785-9821

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CIVIL ENGINEERING

SURVEYING

ENVIRONMENTAL & GEOTECHNICAL SERVICES

MATERIAL TESTING

COUNTY RD. 364 BRIDGES OVER
MILL CHUTE & ALCORN HOLLOW
ALCORN HOLLOW
SOUTH ABUTMENT DETAILS

PROJECT#: P180262
SHEET: 22

1 SOUTH ABUTMENT PLAN VIEW
1/2" = 1'-0"

2 SOUTH ABUTMENT SECTION
1/2" = 1'-0"

3 SOUTH WINGWALL SECTION
1/2" = 1'-0"

4 SOUTH ABUTMENT ELEVATION
1/2" = 1'-0"

ELEVATIONS SHOWN BASED ON EXPECTED BEAM DIMENSIONS.
ALTERATIONS TO THE BACKWALL AND/OR BENTS SHALL BE INCEDENTAL
TO THE SUBSTRUCTURE BID ITEM.

5 SOUTH ABUTMENT

