PROJECT	DESIGNATION
0200634	0200634
CONTRACT	BRIDGE FILE
B-33539	41-82-4999B

STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
041-82-4999B	BUILT-UP STEEL PLATE GIRDER BRIDGE	1@40'-0", 1@65'-0", 3@81'-0", 2@65'-0", 3@81'-0", 2@65'-0" 3@81'-0", 1@65'-0" AND 1@40'-0" NO SKEW	EAGLE CREEK	€ STRUCTURE STA. 188+04.75

KIN PROJECT INFORMATION			
DESIGNATION	PROJECT DESCRIPTION		
0100482	U.S. 41 over SB Cheatam Slough		
9620260	U.S. 41 over NB Cheatam Slough		
0200633	U.S. 41 over SB Ohio River Overflow		
0200636	U.S. 41 over NB Ohio River Overflow		
0200635	U.S. 41 over SB Eagle Creek		
0200634	U.S. 41 over NB Eagle Creek		
1298275	U.S. 41 over SB Ohio River		
1592481	Roadway Plans from Cheatam Slough to Eagle Creek		

NOTE: SEE ROAD PLANS FOR REMOVAL OF EXISTING GUARDRAIL, PROPOSED GUARDRAIL, PAVEMENT MARKINGS, EROSION CONTROL MEASURES AND MAINTENANCE OF TRAFFIC DETAILS.

STRUCTURE: 041-82-4999B

INDIANA DEPARTMENT OF TRANSPORTATION

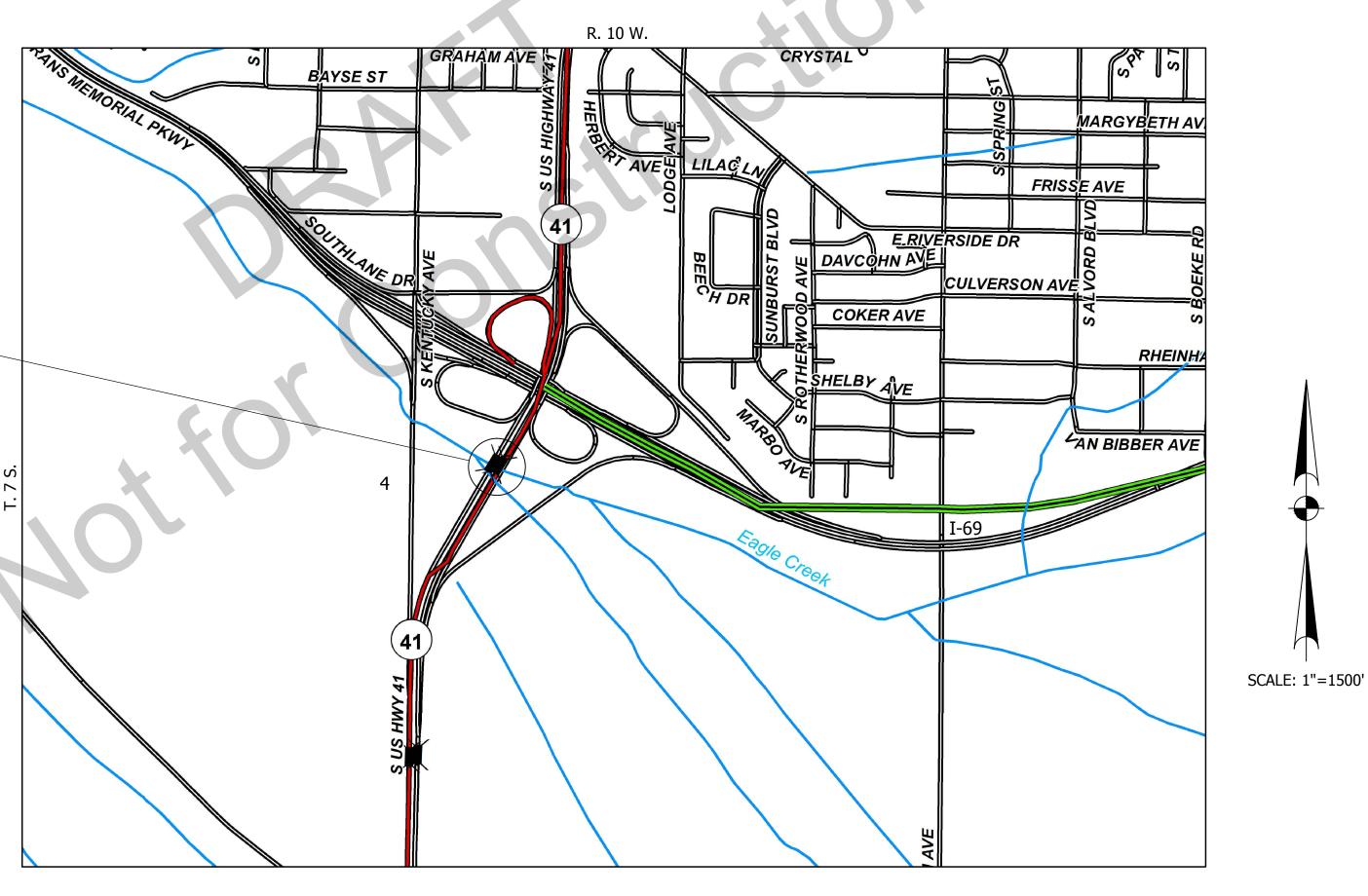


BRIDGE REHABILITATION PLANS FOR SPANS OVER 20 FEET

U.S. 41 NB OVER EAGLE CREEK

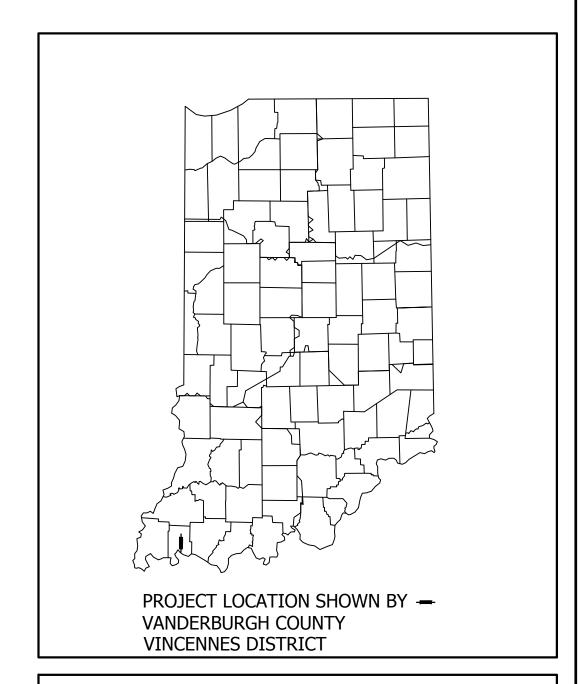
PROJECT NO. 0200634

DECK RECONSTRUCTION ON STRUCTURES: 041-82-4999B, U.S 41 NB OVER EAGLE CREEK LOCATED APPROXIMATELY 0.32 MILES SOUTH OF THE U.S.41 AND I-69 INTERCHANGE, IN SECTION 4, TOWNSHIP 7 SOUTH, RANGE 10 WEST, VANDERBURGH COUNTY, INDIANA.



VICINITY MAP
VANDERBURGH COUNTY

TRAFFIC DATA		
A.A.D.T. (2013)	20230 V.P.D.	
A.A.D.T. (2017)	20380 V.P.D.	
A.A.D.T. (2037)	25630 V.P.D.	
DIRECTIONAL DISTRIBUTION	100 %	
TRUCKS	11.6 % A.A.D.T.	
DESIGN DATA		
DESIGN SPEED	50 M.P.H.	
POSTED SPEED	50 M.P.H.	
PROJECT DESIGN CRITERIA	3R NON-FREEWAY	
FUNCTIONAL CLASSIFICATION	PRINCIPAL ARTERIAL	
RURAL/URBAN	URBAN	
TERRAIN	LEVEL	
ACCESS CONTROL	NONE	



LATITUDE: 37°56'17" N. & LONGITUDE: 87°32'44" W.

H.U.C. = 05140202010020

R.P. 0+98

INDIANA DEPARTMENT OF TRANSPORTATION STANDARD
SPECIFICATIONS DATED 2016 TO BE USED WITH THESE P

PLANS
PREPARED BY:

CERTIFIED BY:

APPROVED
FOR LETTING:

INDIANA DEPARTMENT OF TRANSPORTATION

Butler Fairman and Seufert Inc.

(317)713-4615
PHONE
10/31/16
DATE
INDIANA DEPARTMENT OF TRANSPORTATION

DATE

		SPECIFICATIONS DATED 201	6 TO BE USED WITH THESE PLA
			BRIDGE FILE
	THICH ALL MANNIN		41-82-4999B
•	MO NO		DESIGNATION
4			0200634
1	860 186 STATE OF	SURVEY BOOK	SHEET
	WDIANA CONTE		1 OF 33
	MIN'S ONAL ENGINE	CONTRACT	PROJECT
	WWW.	B-33539	0200634

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES.

UTILITIES COMMUNICATIONS: AT&T **ELECTRIC:** KENERGY CORPORATION 134 NW Sixth Street ATTN: Kyle Hart Evansville, Indiana 47708 P. (270) 831-4602 E. khart@kenergycorp.com ATTN: Marc Clark P. (812) 464-6050 E. mc3429@att.com VECTREN Jody Chapman AT&T 1 North Main Street 134 NW Sixth Street Evansville, Indiana 47711 Evansville, Indiana 47708 E. jwchapman@vectren.com ATTN: Andy Folz P. (812) 464-6055 E. af1896@att.com INDOT: SIGNALS & LIGHTING ATTN: Robert Horton WINDSTREAM COMMUNICATIONS E. rhorton@indot.in.gov 5020 Smythe Drive P. (812) 699-0643 Evansville, Indiana 47715 P. (812) 698-4743 (CELL) ATTN: Daniel Leskinen E. Daniel.leskinen@windstream.com ITS TECHNOLOGY P. (812) 759-2833 ATTN: Konstantin Veygman P. (812) 455-9558 (CELL) E. kveygman@indot.in.gov P. (317) 899-8606 TIME WARNER CABLE 1900 N. Fares Avenue WEIGHT STATION: JACK MANN SCALES, INC. Evansville, Indiana 47711 2073 Mercer Road ATTN: Daryl Hulsey Lexington, Kentucky 40511 ATTN: Larry Stagner E. daryl.hulsey@twcable.com P. (812) 253-2755 E. larry@jackmannscales.com P. (812) 305-8348 (CELL) P. (859) 233-0322 KYTC ATTN: David Cornett E. davidp.cornett@ky.gov P. (502) 564-4556

REVISIONS				
SHEET NO.	DATE	REVISED		

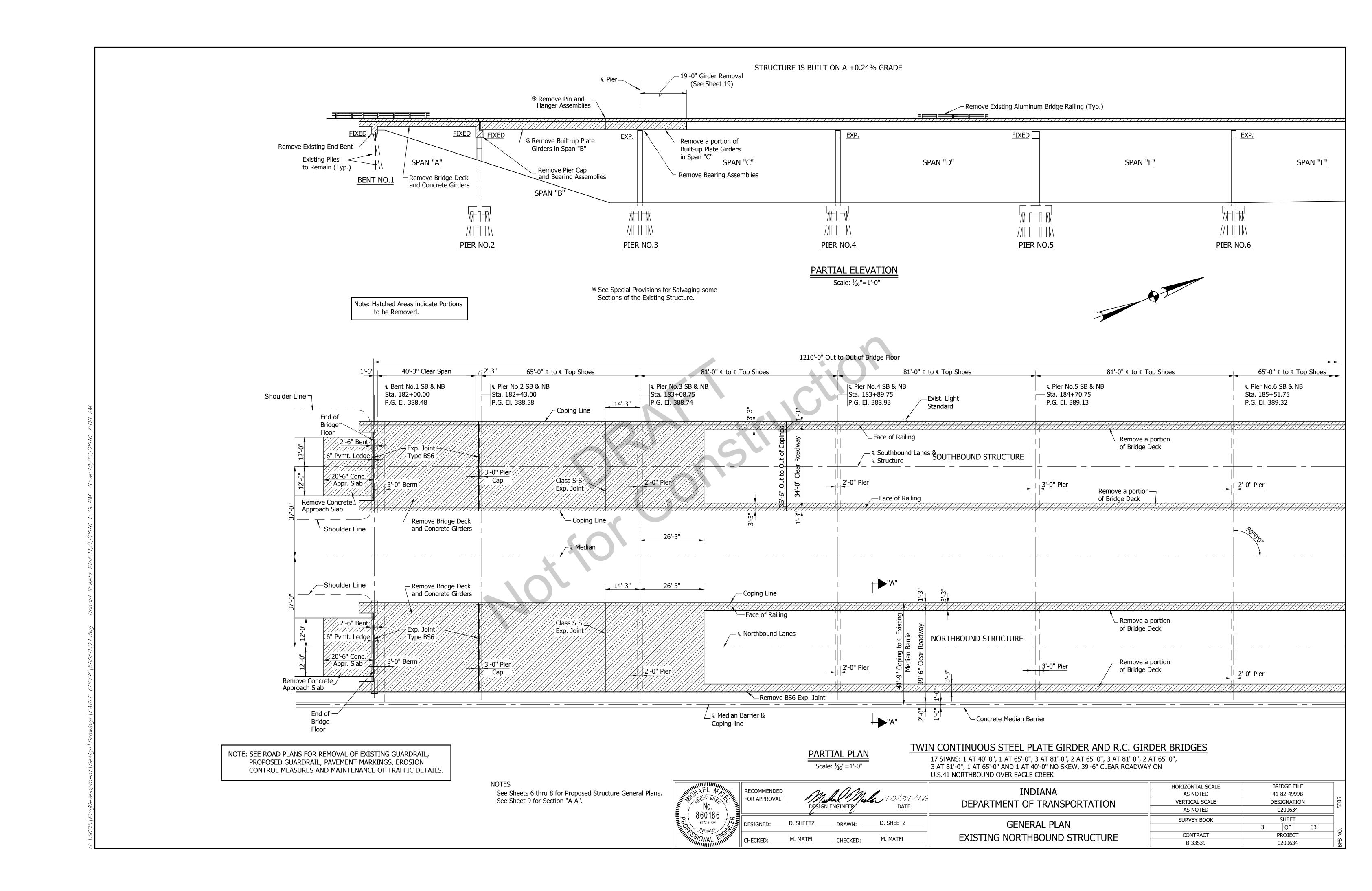
	INDEX
SHEET NO.	DESIGNATION
1	TITLE SHEET
2	INDEX SHEET
3-5	GENERAL PLAN EXISTING STRUCTURE
6-8	GENERAL PLAN PROPOSED STRUCTURE
9-10	TYPICAL SECTIONS
11-13	BENT NO.1 OR NO.18 DETAILS - NORTHBOUND STRUCTURE
14	PEDESTAL DETAILS - NORTHBOUND STRUCTURE
15-16	PIERS NO.2 OR NO.17 DETAILS - NORTHBOUND STRUCTURE
17-18	PIERS NO.7 OR NO.12 DETAILS - NORTHBOUND STRUCTURE
19-23	STRUCTURAL STEEL DETAILS - NORTHBOUND STRUCTURE
24-31	FLOOR DETAILS - NORTHBOUND STRUCTURE
32	APPROACH SLAB DETAILS - NORTHBOUND STRUCTURE
33	BRIDGE SUMMARY - NORTHBOUND STRUCTURE

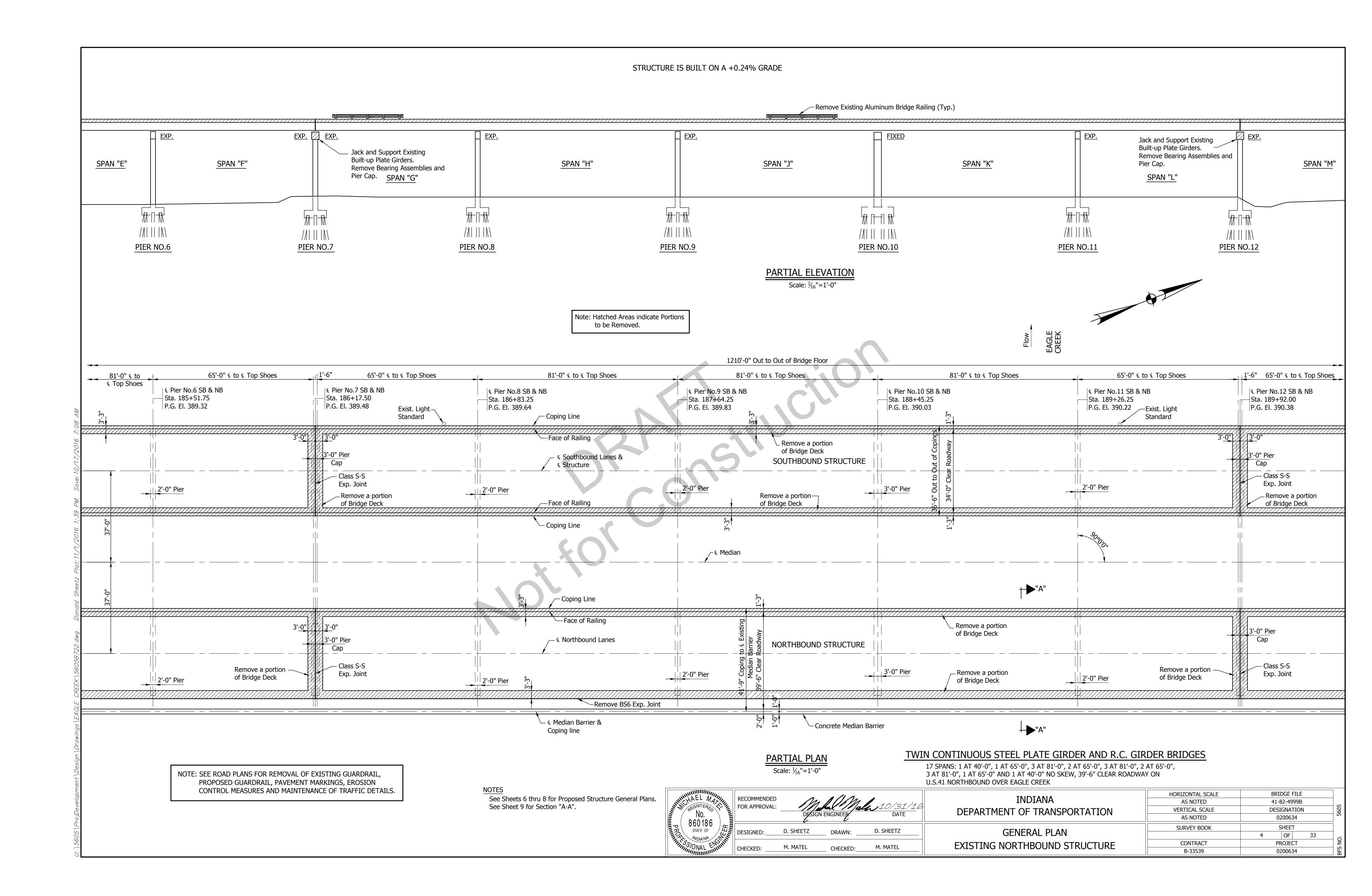
NOTE: SEE ROAD PLANS FOR REMOVAL OF EXISTING GUARDRAIL, PROPOSED GUARDRAIL, PAVEMENT MARKINGS, EROSION CONTROL MEASURES AND MAINTENANCE OF TRAFFIC DETAILS.

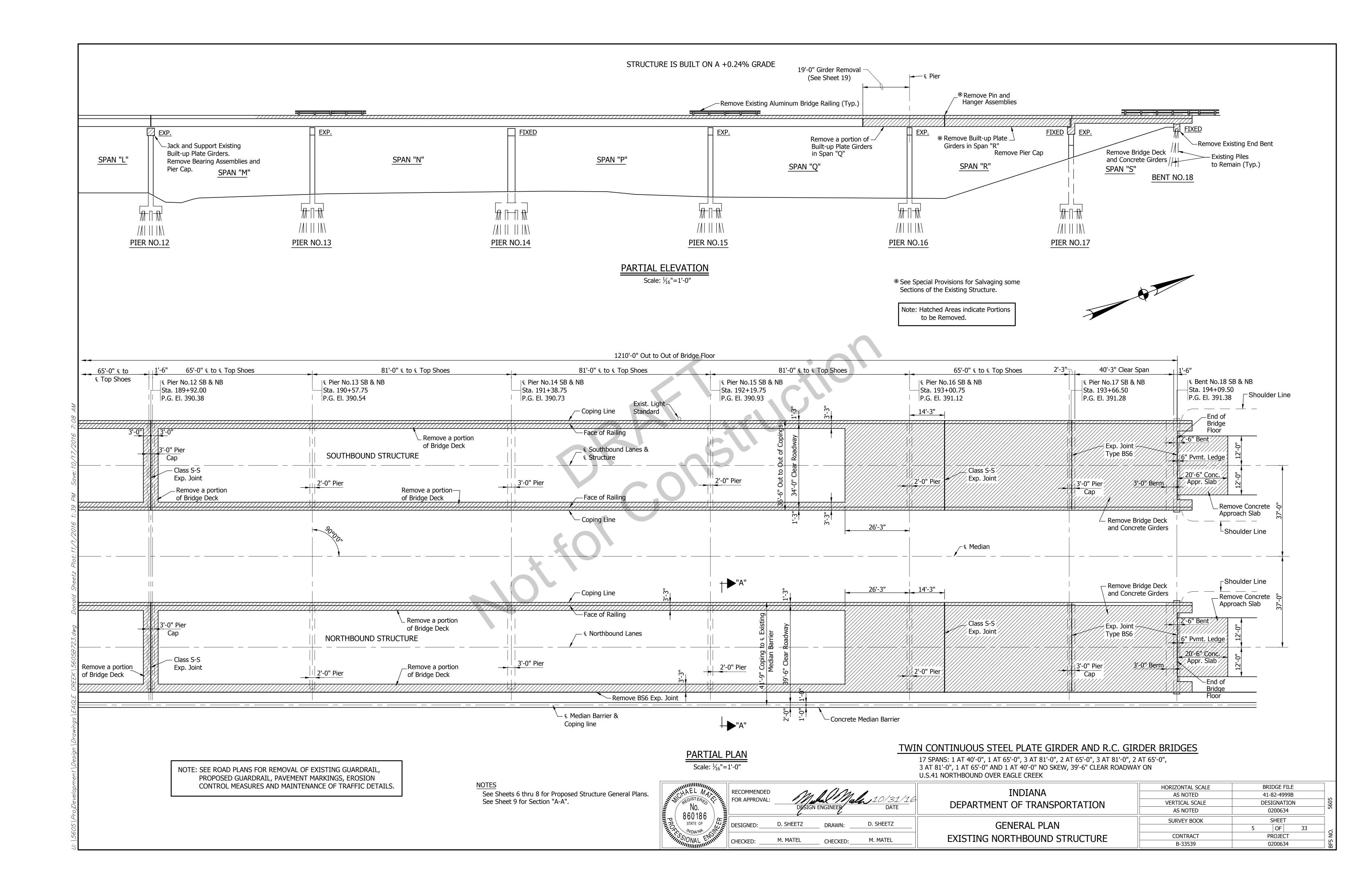
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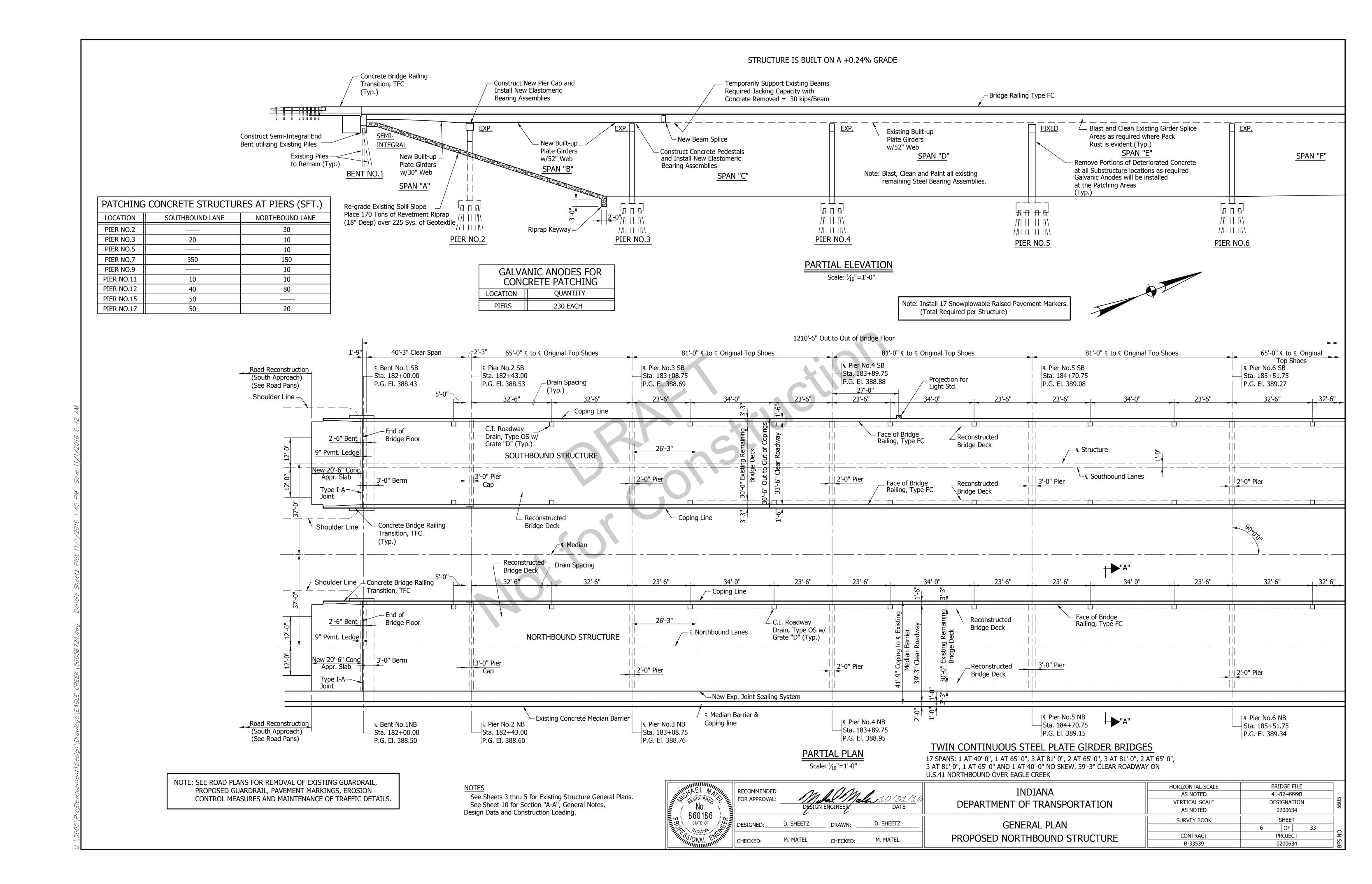
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CHECKED:	M. MATEL	CHECKED:	M. MATEL	

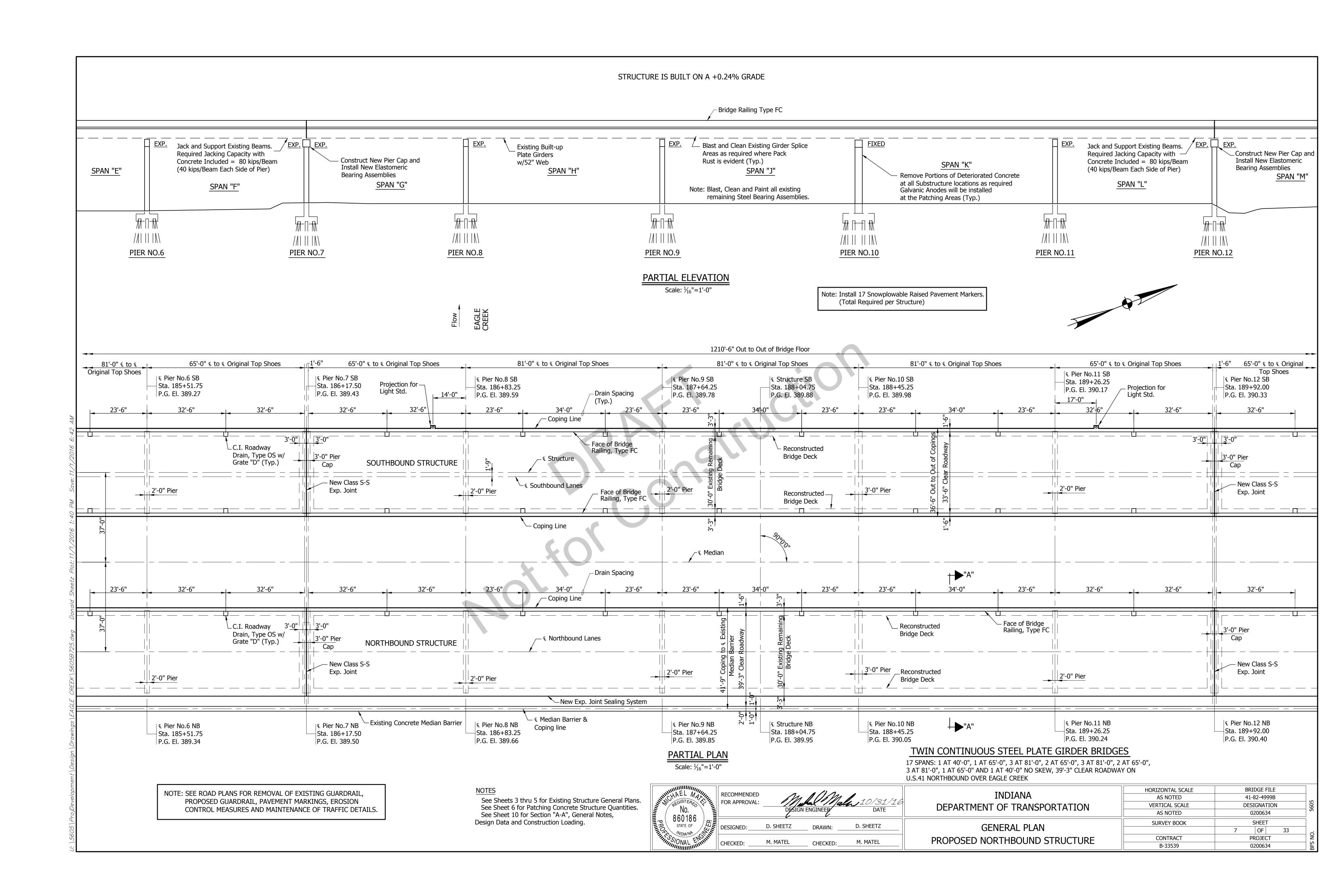
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INDEX SHEET	CONTRACT	PROJECT] ≥	
	B-33539	0200634			

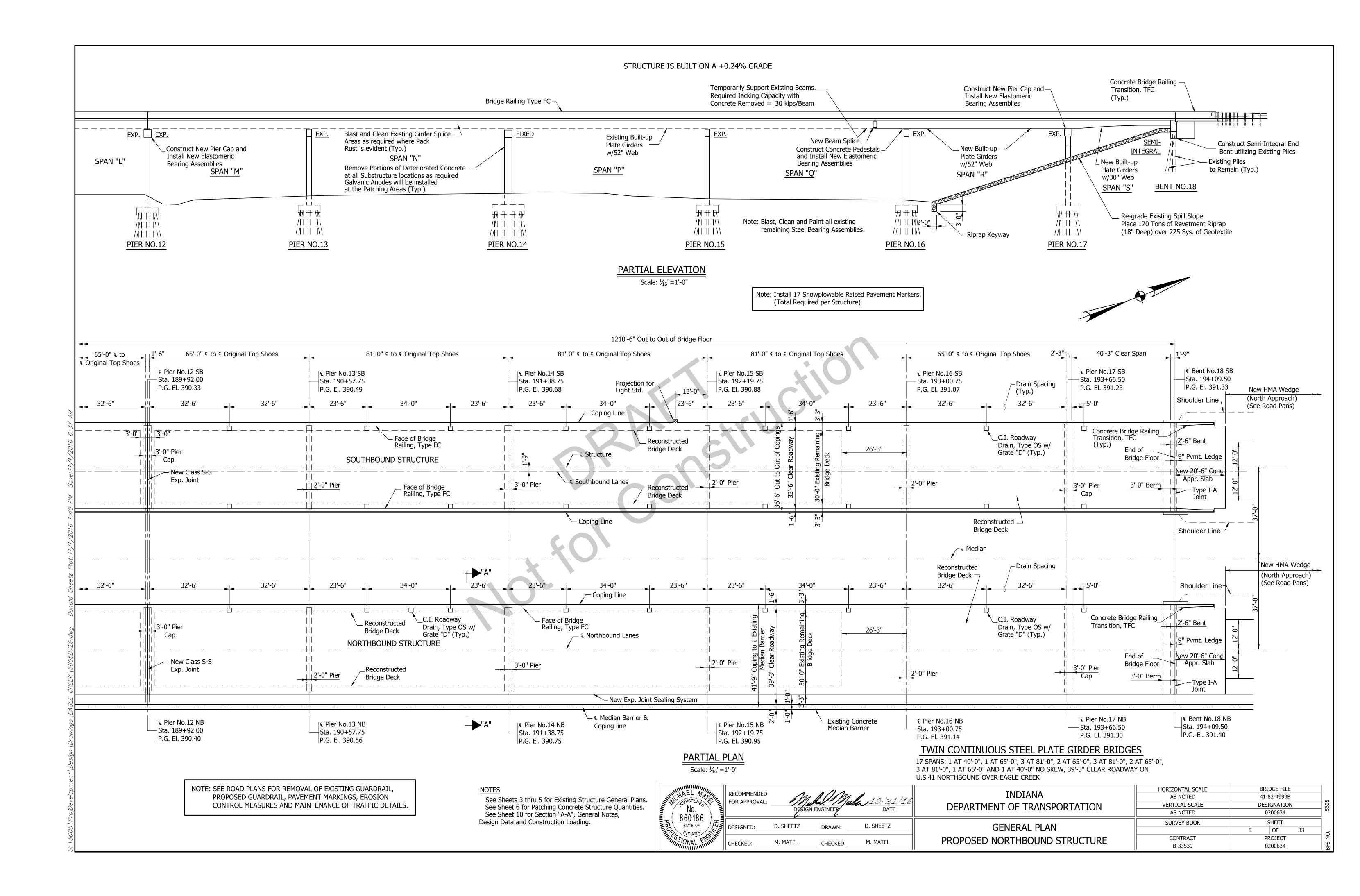


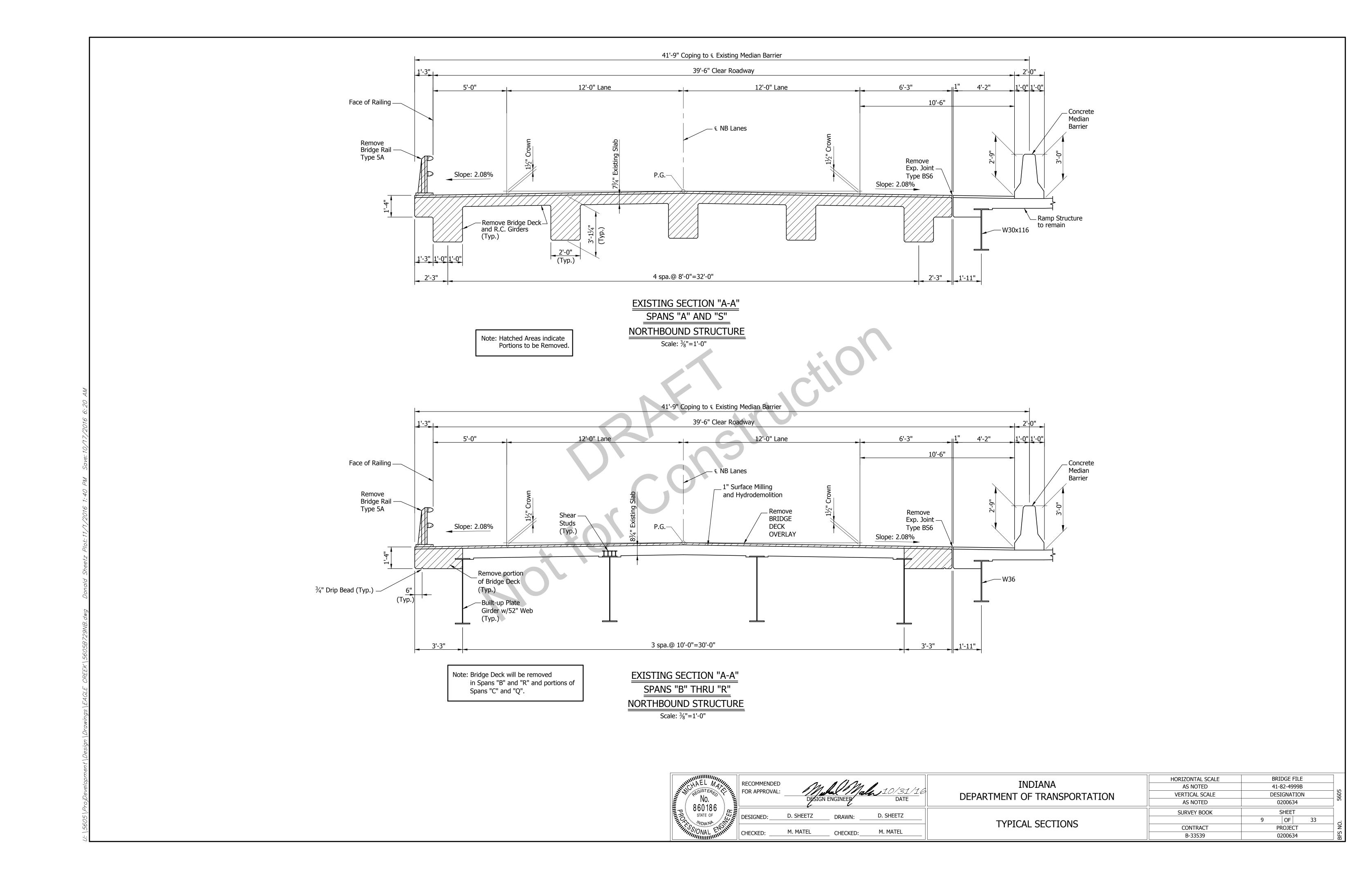


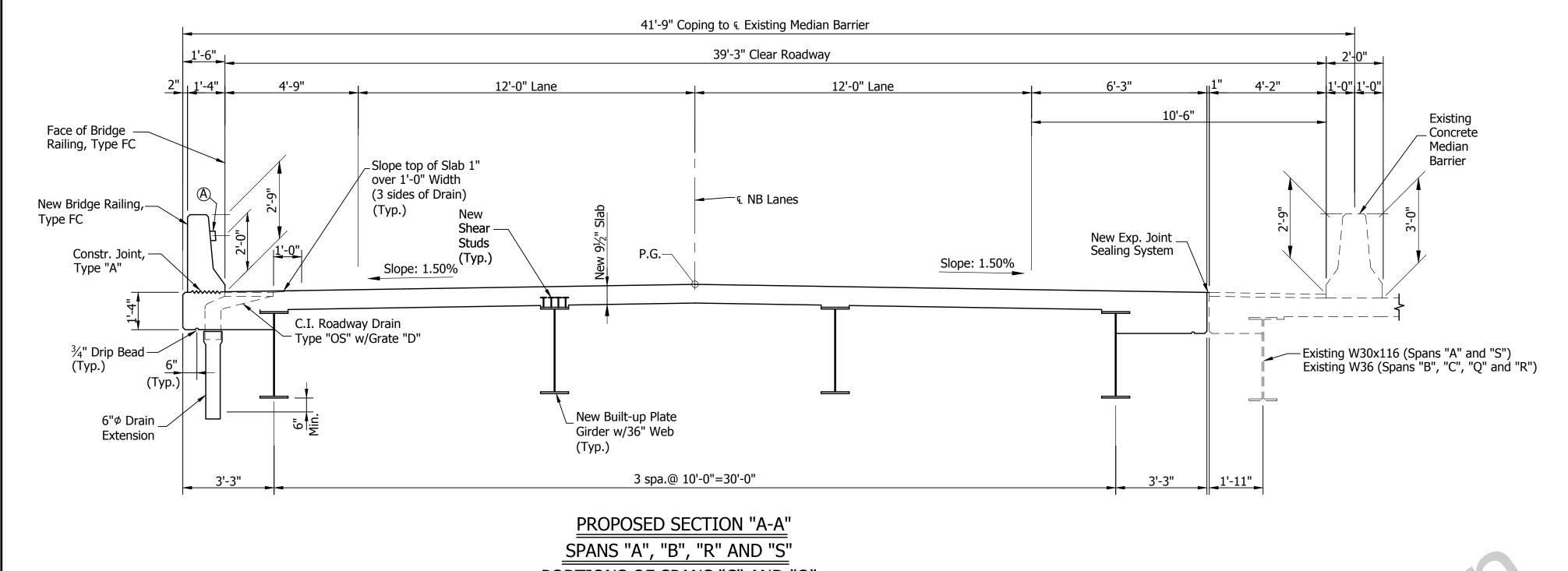








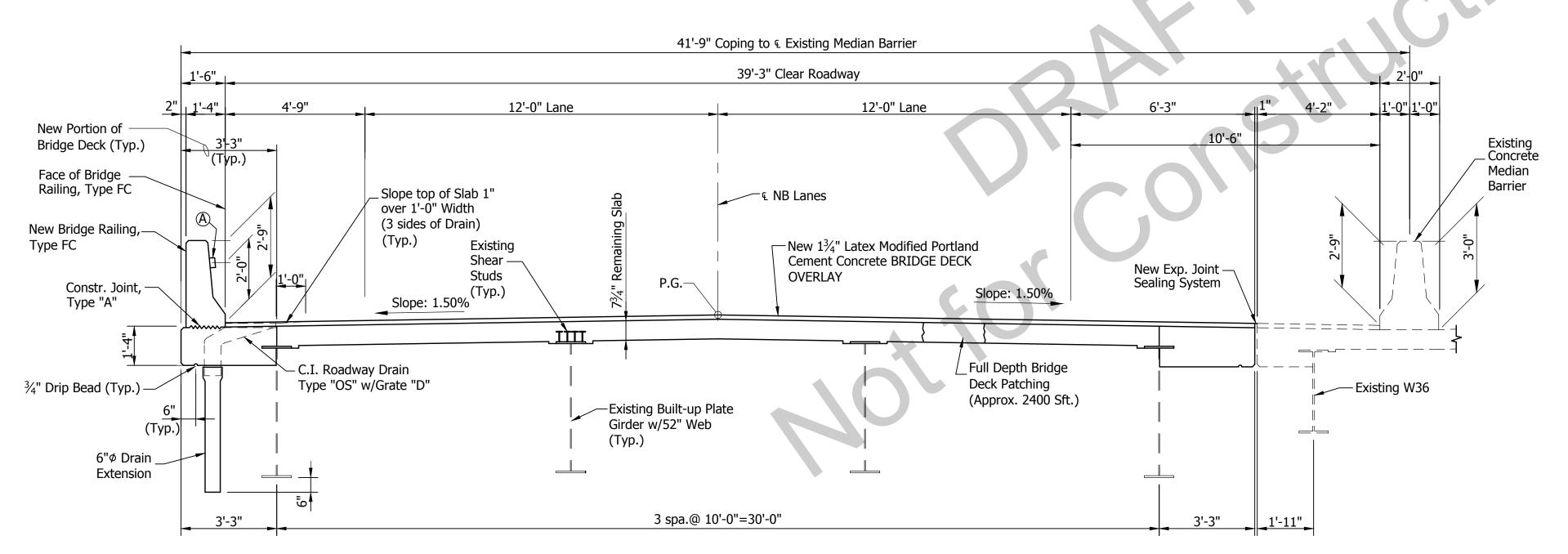




PORTIONS OF SPANS "C" AND "Q" NORTHBOUND STRUCTURE

Scale: $\frac{3}{8}$ "=1'-0"

A Barrier Delineators @ 40'-0" Max. Spacing



PROPOSED SECTION "A-A" PORTIONS OF SPANS "C" AND "Q" SPANS "D" THRU "P" NORTHBOUND STRUCTURE Scale: $\frac{3}{8}$ "=1'-0"

SEISMIC DATA

AASHTO LRFD Bridge Design Specifications, 6th Edition, 2012. Seismic Zone 2 $S_{D1} = 0.257$ Site Class D

GENERAL NOTES

Plans for the existing structure are on file with the Indiana Department of Transportation as Bridge File: 41-82-4999 and 41-82-4999A and are available upon request.

Where new work is to be fitted to old work, the Contractor shall check all dimensions and conditions in the field and report any errors or discrepancies to the Engineer and assume responsibility for their correctness and the fit of the new part to the old.

Epoxy coated reinforcing bars shall be required in various portions of the structure as shown.

Reinforcing bars covering shall be 2-1/2" in top of approach slabs and 2" in all other areas unless noted.

Reinforcing bars covering shall be 2-1/2" in top and 1" in bottom of floor slabs and 2" in all other areas unless noted.

Reinforcing bars shall be A.S.T.M. A615, Grade 60.

Concrete shall be Class C in end bents, wingwalls, floor slab and barrier railings.

Concrete shall be Class A in all other portions of the project not noted above.

Chamfer exposed corners of concrete 1" unless noted.

Seal all joints and cracks in the approach pavement with a hot poured joint sealer before placing the HMA wedges.

Surface seal shall be required on various areas of the structure as shown. (Estimated Quantity = 19860 Sft.) (Does not include Concrete Barrier Rail Transitions)

NOTE: SEE ROAD PLANS FOR REMOVAL OF EXISTING GUARDRAIL, PROPOSED GUARDRAIL, PAVEMENT MARKINGS, EROSION CONTROL MEASURES AND MAINTENANCE OF TRAFFIC DETAILS.

DESIGN DATA

MATERIAL DESIGN STRENGTHS:

F'c = 3,500 p.s.i.Class "A" Concrete F'c = 4,000 p.s.i.Class "C" Concrete Reinforcing Steel (Grade 60) Fy = 60,000 p.s.i.

LIVE LOAD:

HS20-44 loading with distribution in accordance with 2002 A.A.S.H.T.O. Specifications. Load Factor=2.17.

DEAD LOAD:

Actual plus 35 pounds per square foot (composite) for future wearing surface and 15 pounds per square foot (non composite) for permanent metal deck forms. Slab designed with a 1/2" wearing surface.

FLOOR SLAB:

New portions of slab has been designed with the AASHTO Strip Method using a structural depth of 9" and a $\frac{1}{2}$ " wearing surface.

CONSTRUCTION LOADING

The exterior girder has been checked for strength, deflection and overturning using the construction loads shown below. Cantilever overhang brackets were assumed for support of the deck overhang past the edge of the exterior girder. The finishing machine was assumed to be supported 6 inches outside the vertical coping form. The top overhang brackets were assumed to be located 6 inches past the edge of the vertical coping form. The bottom overhang brackets were assumed to be braced against the intersection of the girder bottom flange and web.

DECK FALSEWORK LOADS: Designed for 15 psf for permanent metal stay-in-place deck forms, removable deck forms, and 2 ft exterior walkway...

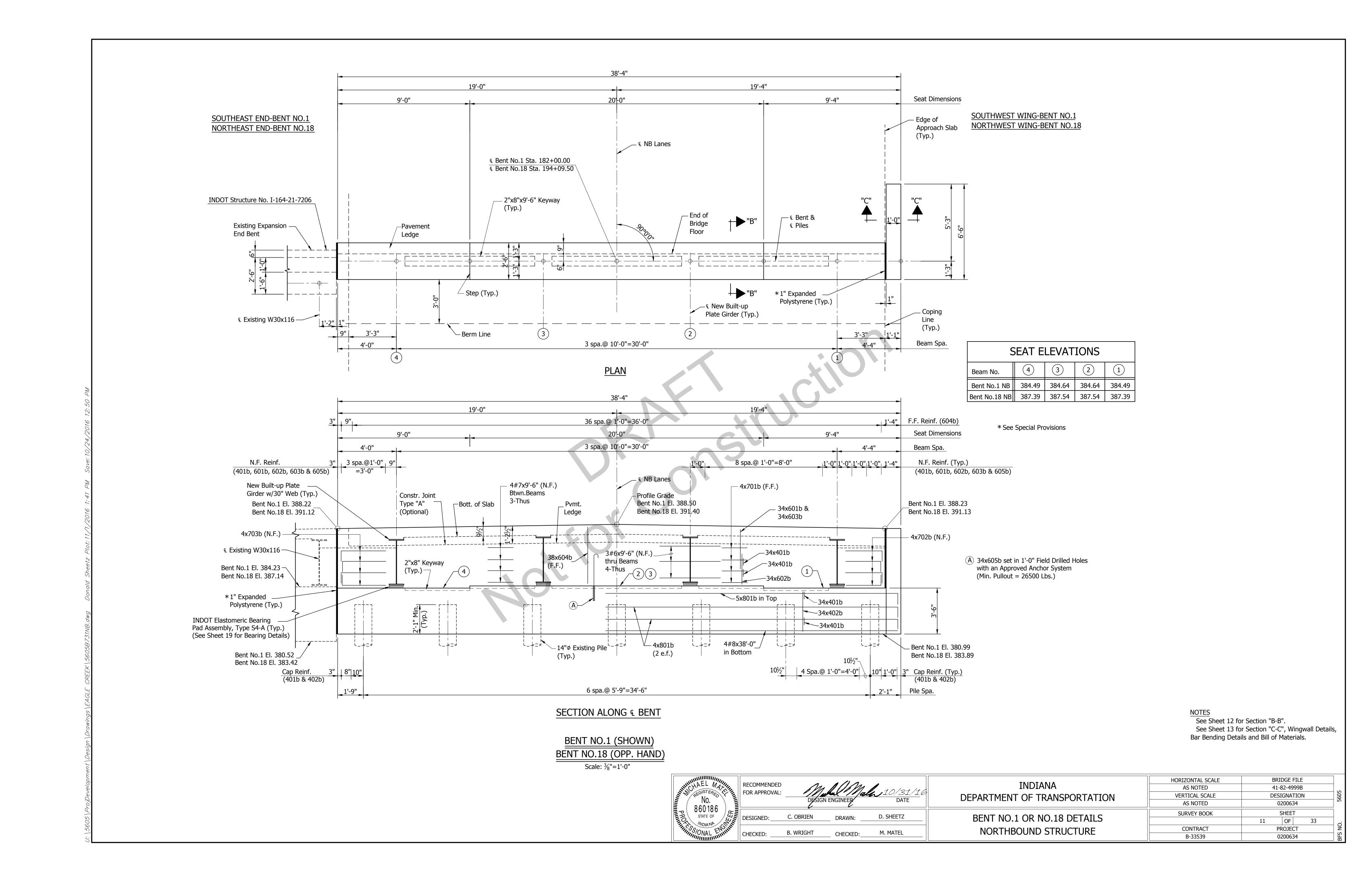
CONSTRUCTION LIVE LOAD: Designed for 20 psf extending 2 ft past the edge of coping and 75 plf vertical force applied at a distance of 6 inches outside the face of coping over a 30 ft length of the deck with the finishing machine.

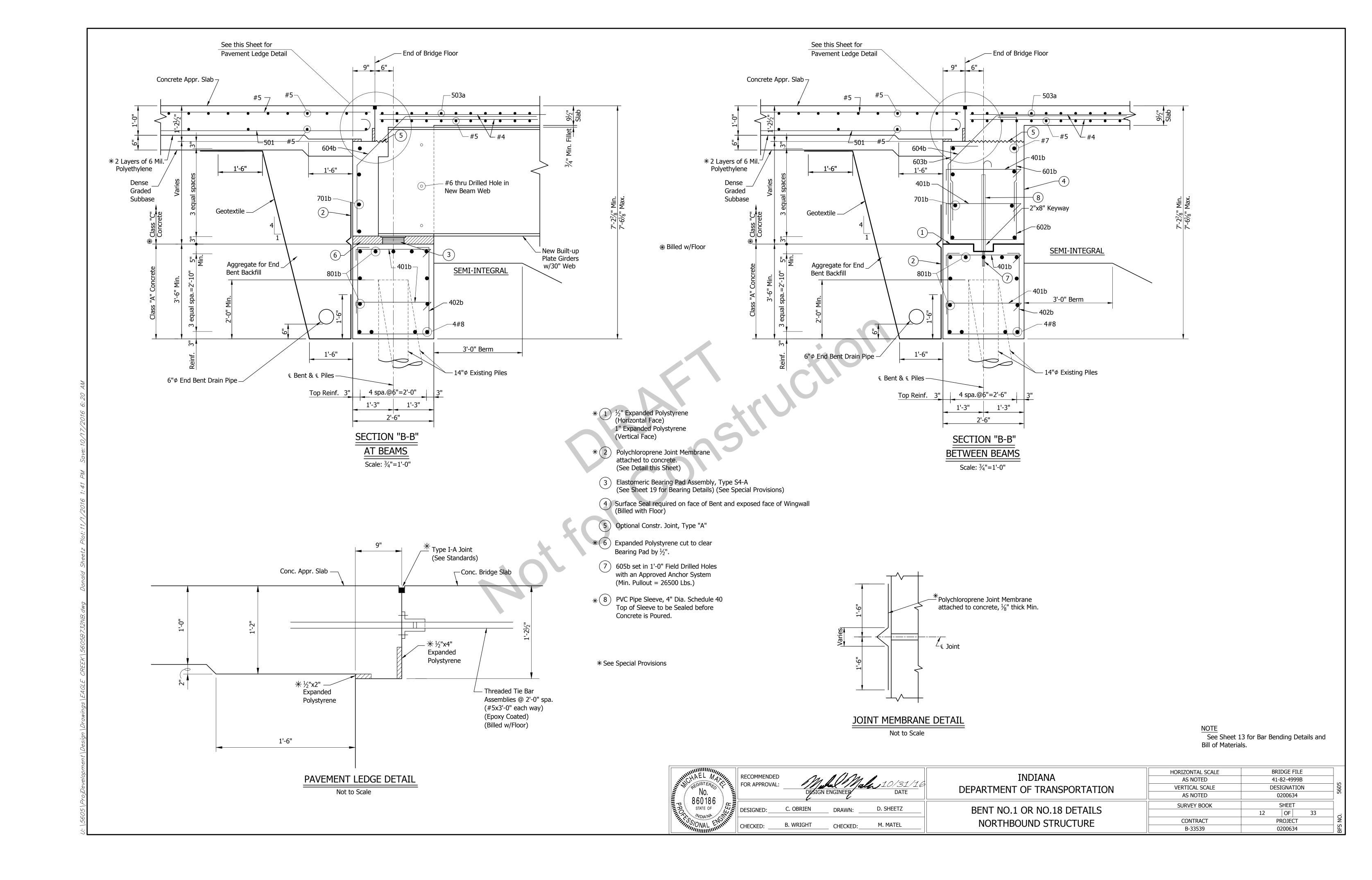
FINISHING MACHINE LOAD: 4500 lbs. distributed over 10 feet along the coping.

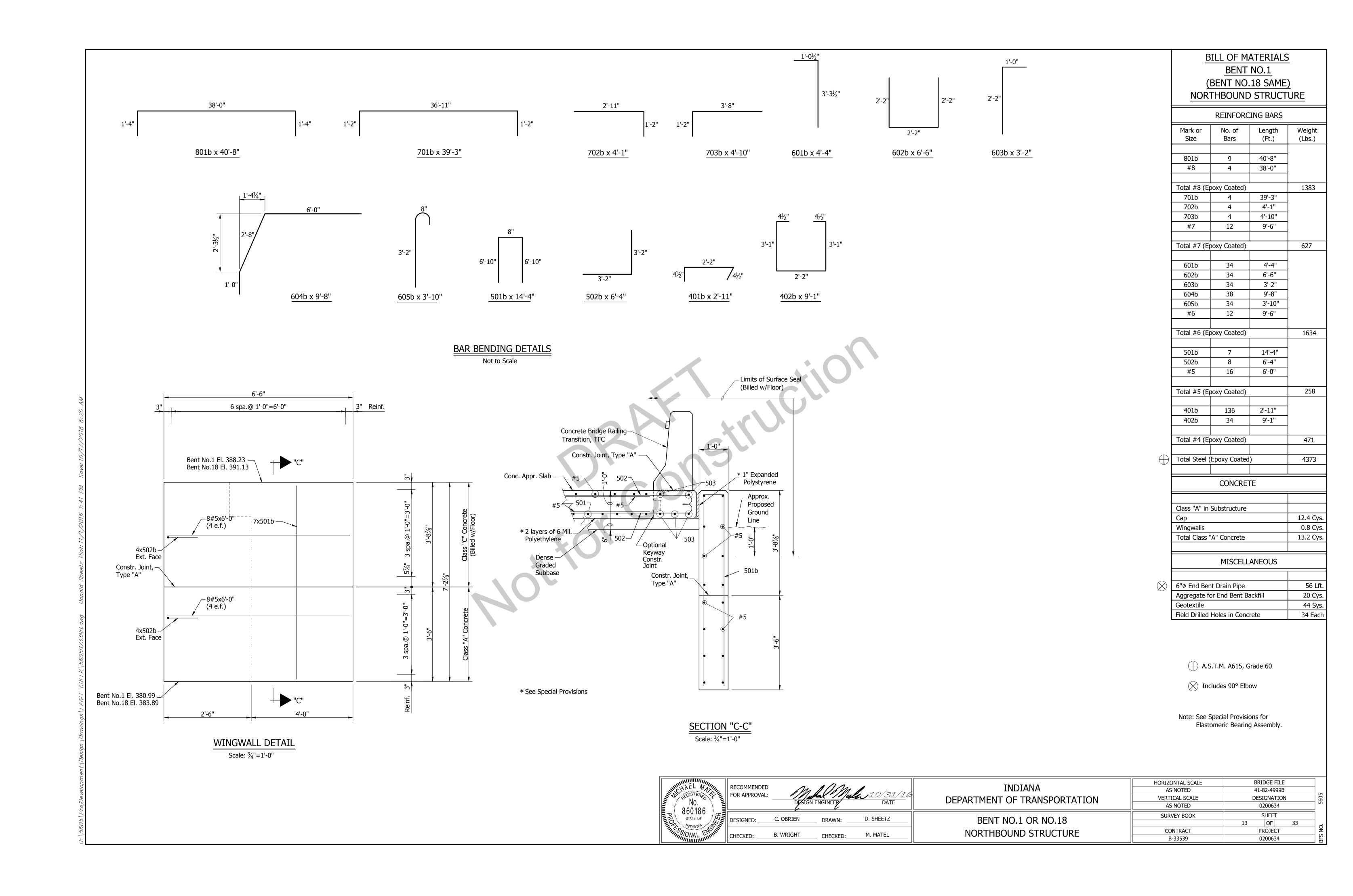
WIND LOAD: Designed for 70 mph horizontal wind loading in accordance with LRFD 3.8.1.

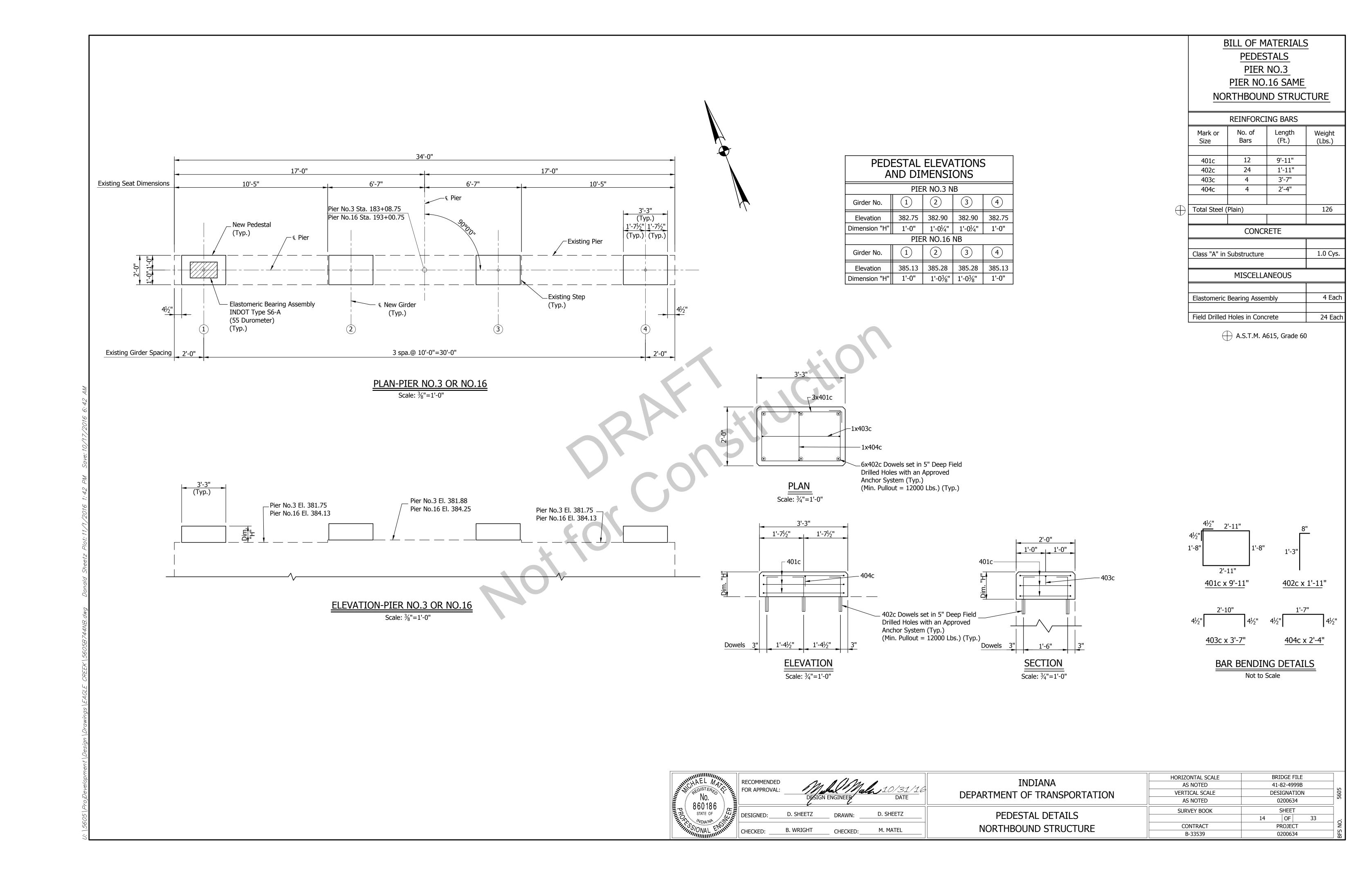
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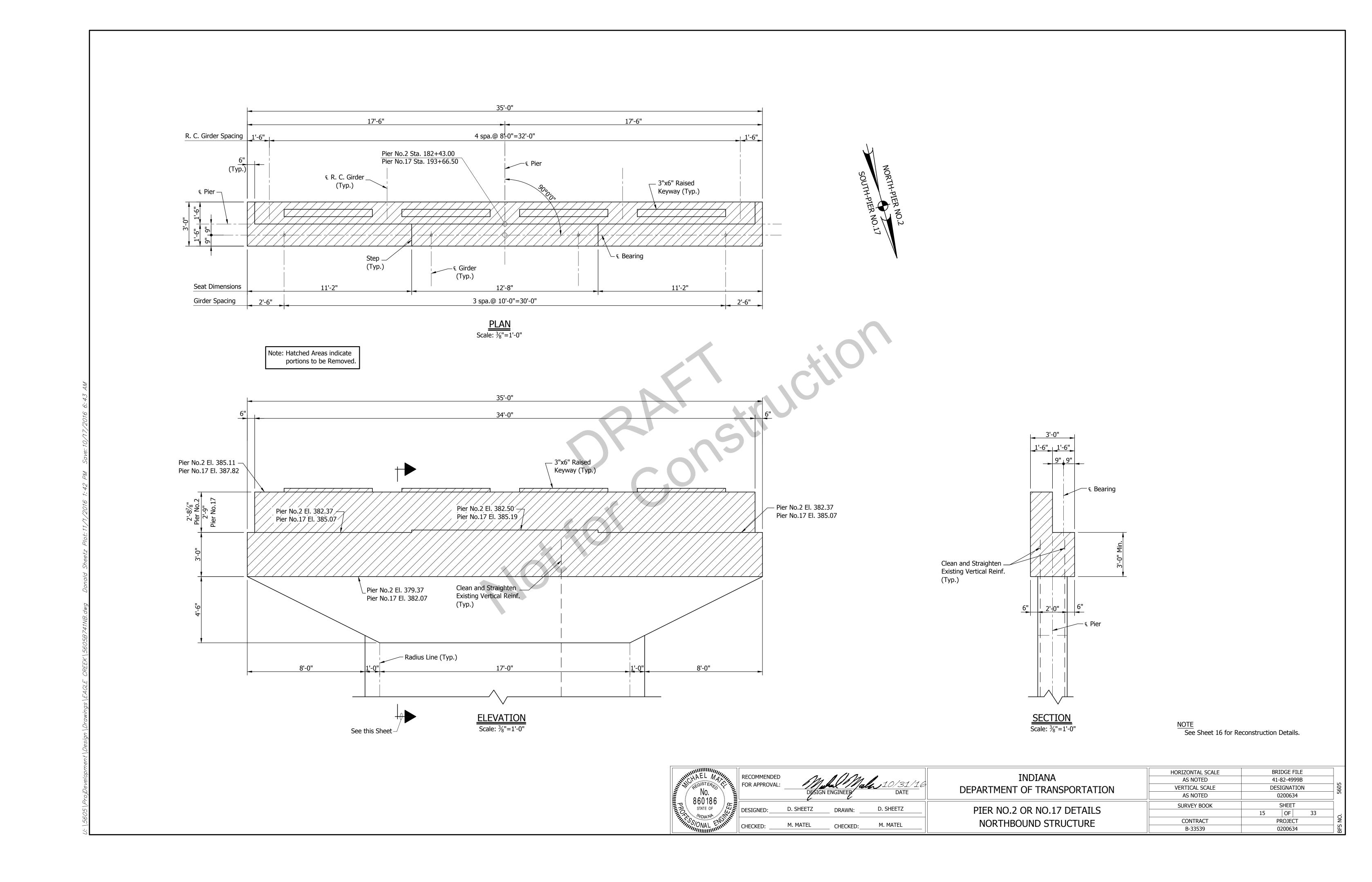
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DEPARTMENT OF TRANSPORTATION	VERTICAL SCALE	DESIGNATION		
	AS NOTED	0200634		
	SURVEY BOOK	SHEET		
TYPICAL SECTIONS		10	OF	33
TYPICAL SECTIONS	CONTRACT	PROJECT		
	B-33539	0200634		

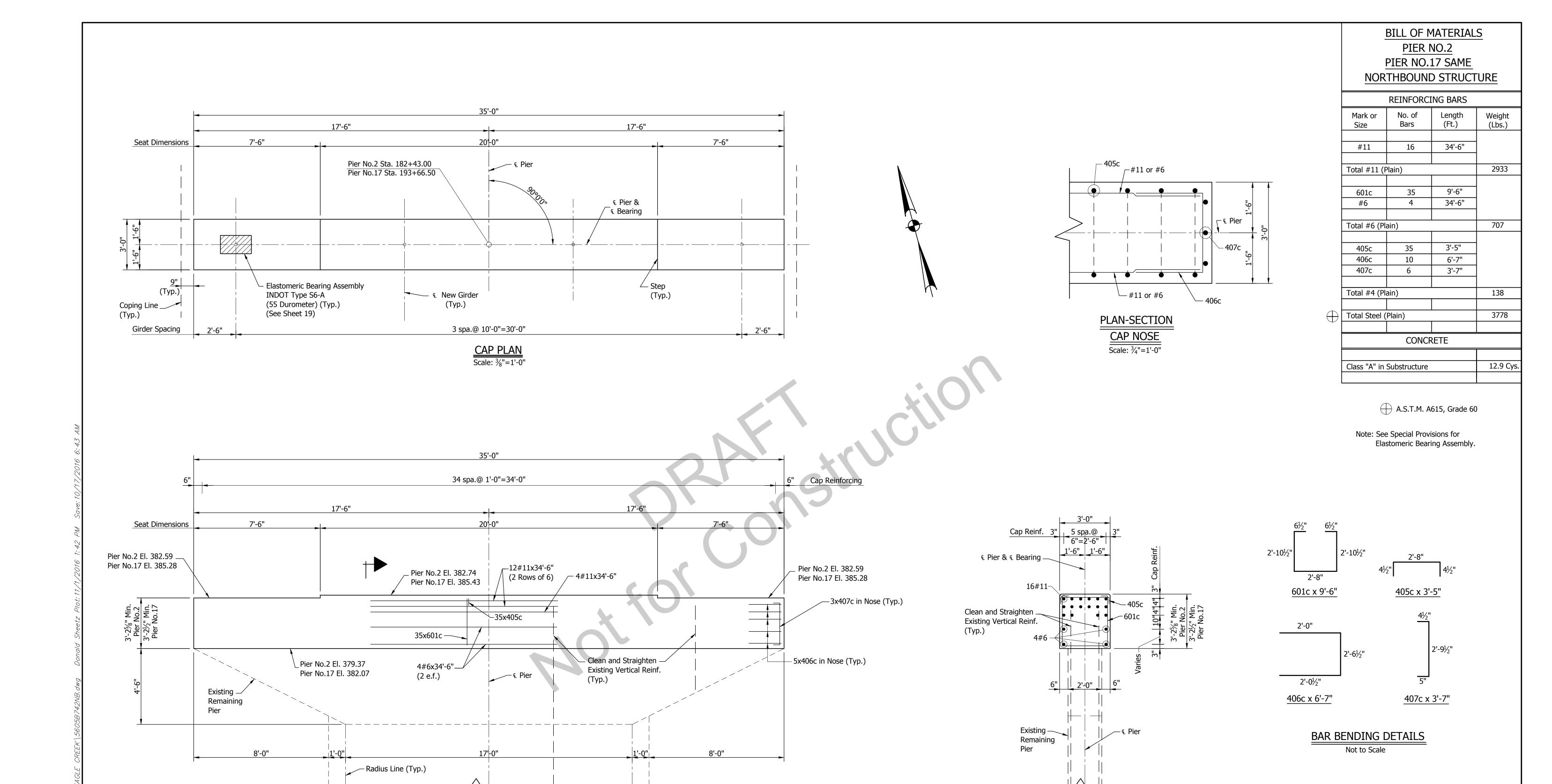






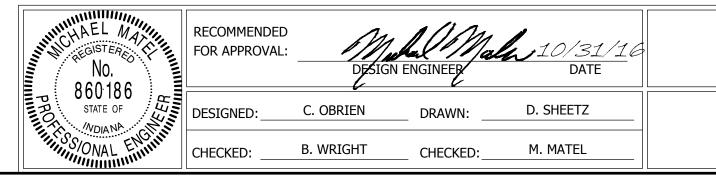






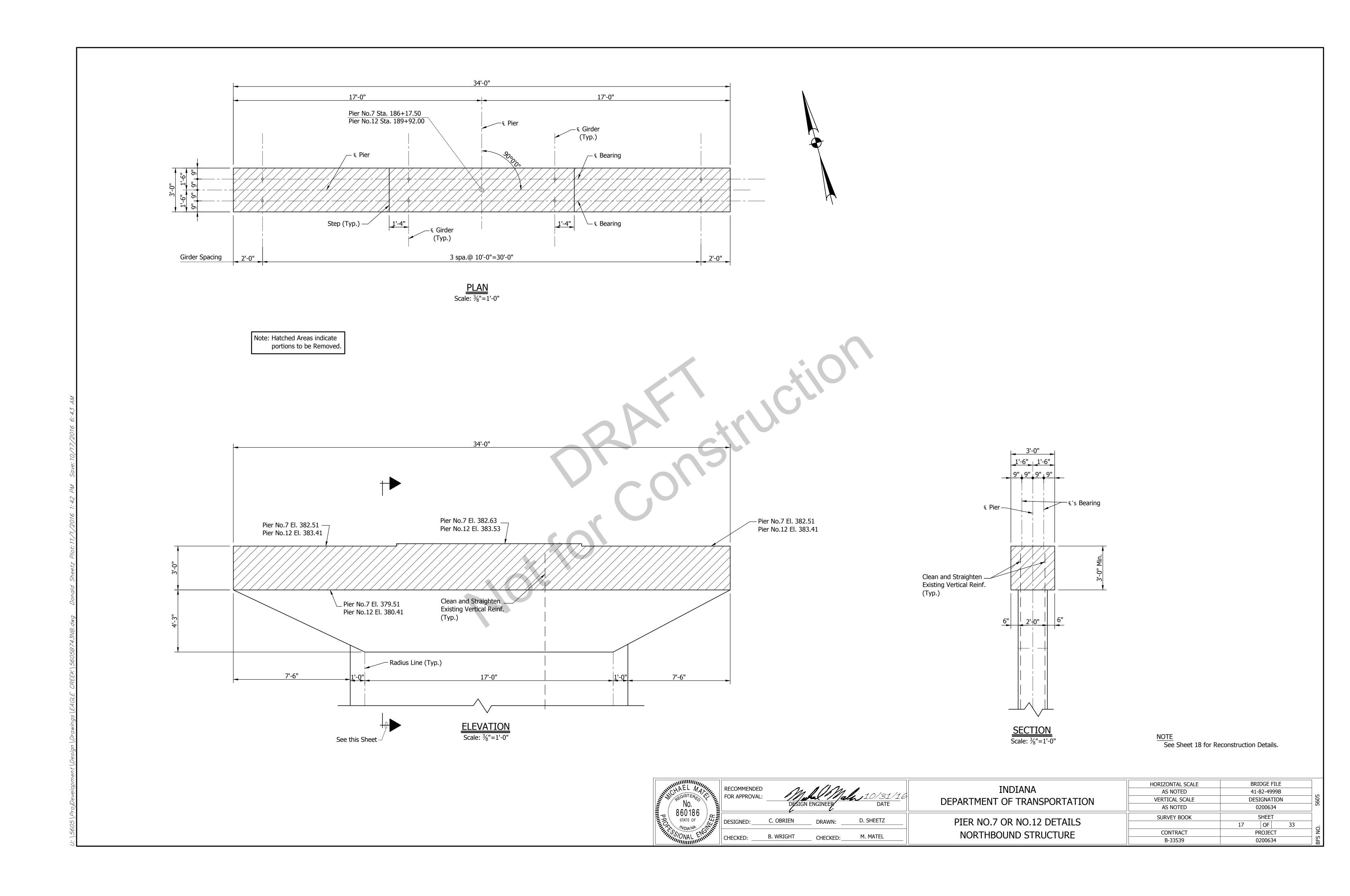
ELEVATION
Scale: 3/8"=1'-0"

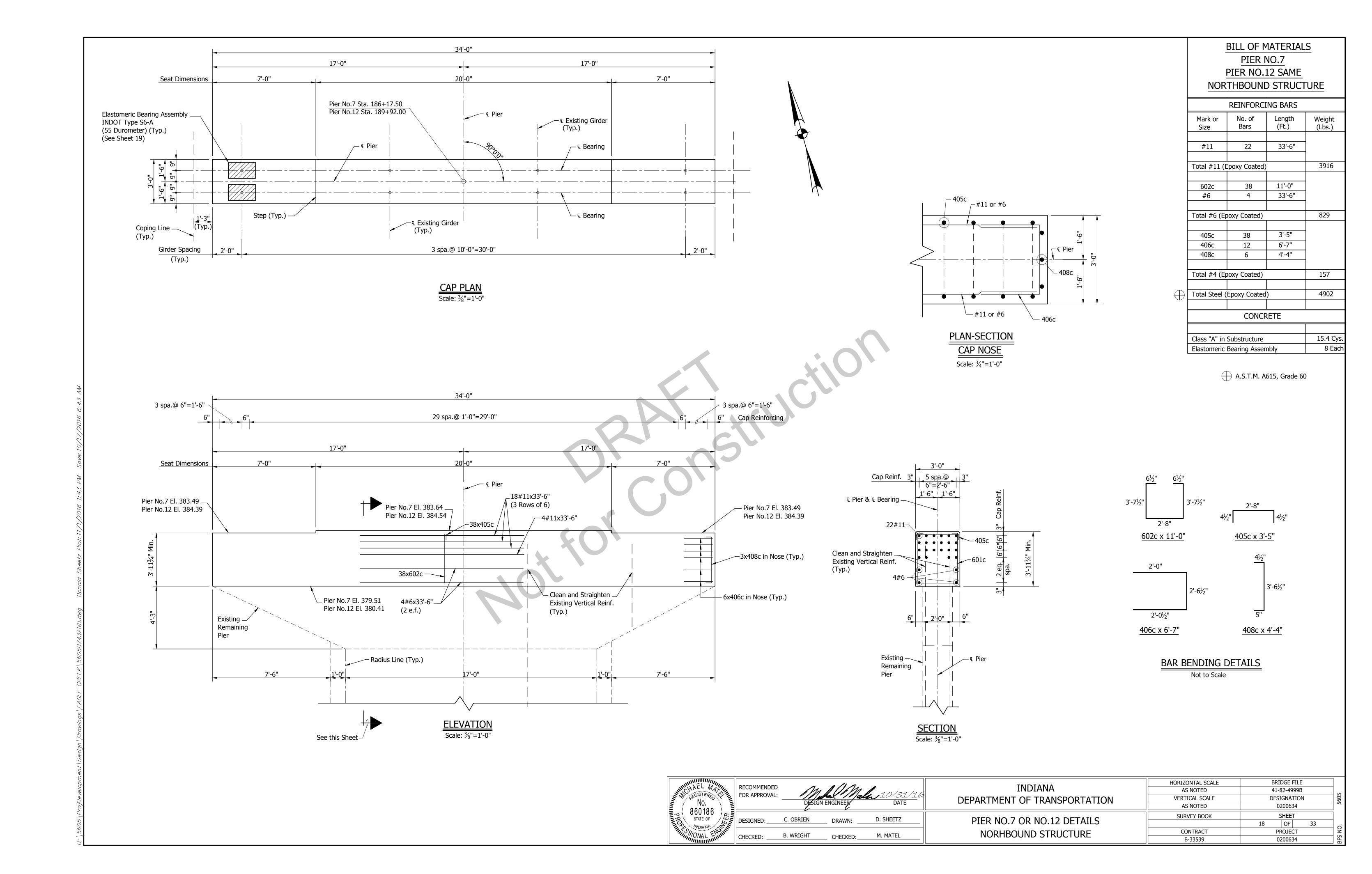
See this Sheet -

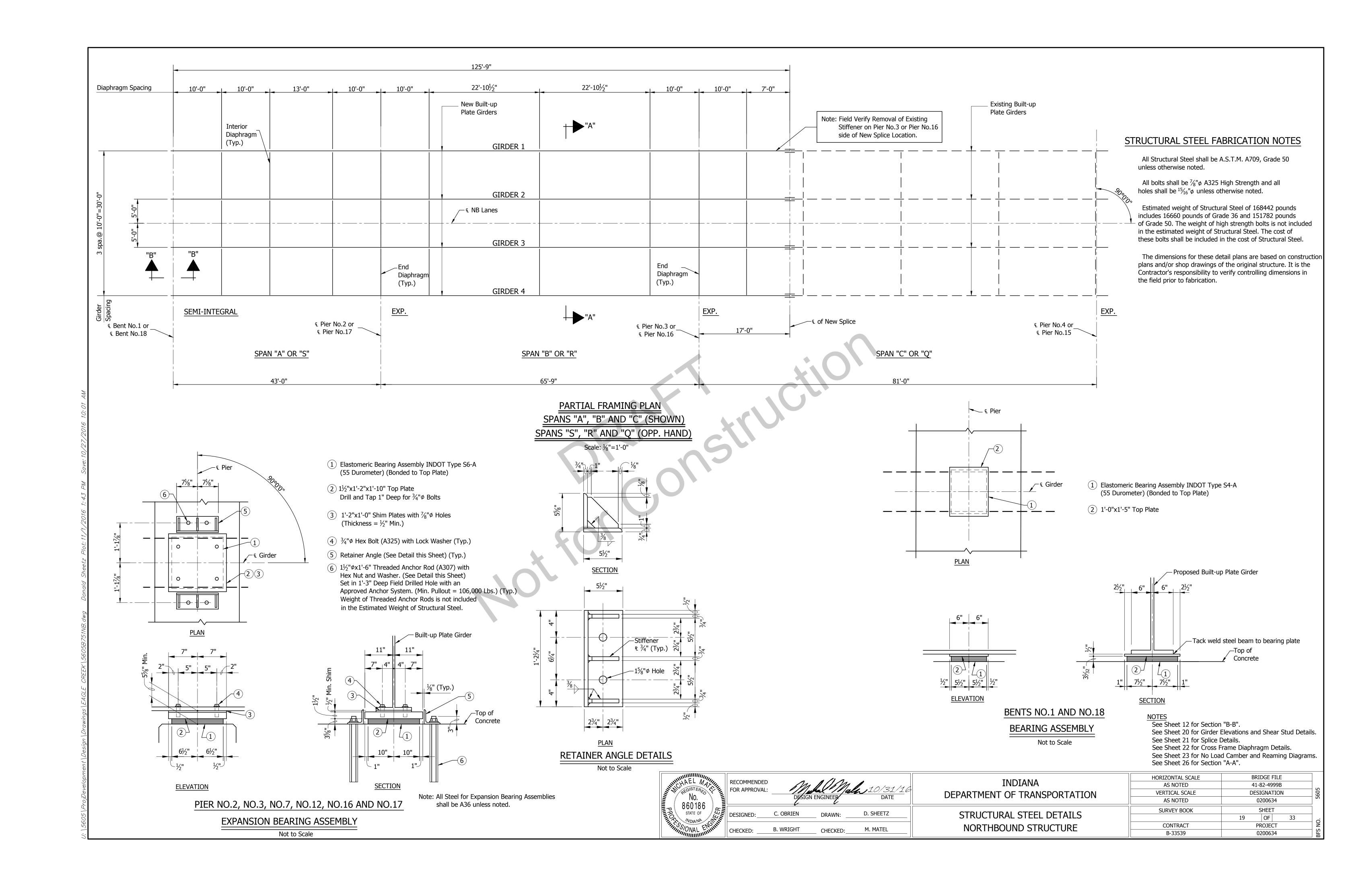


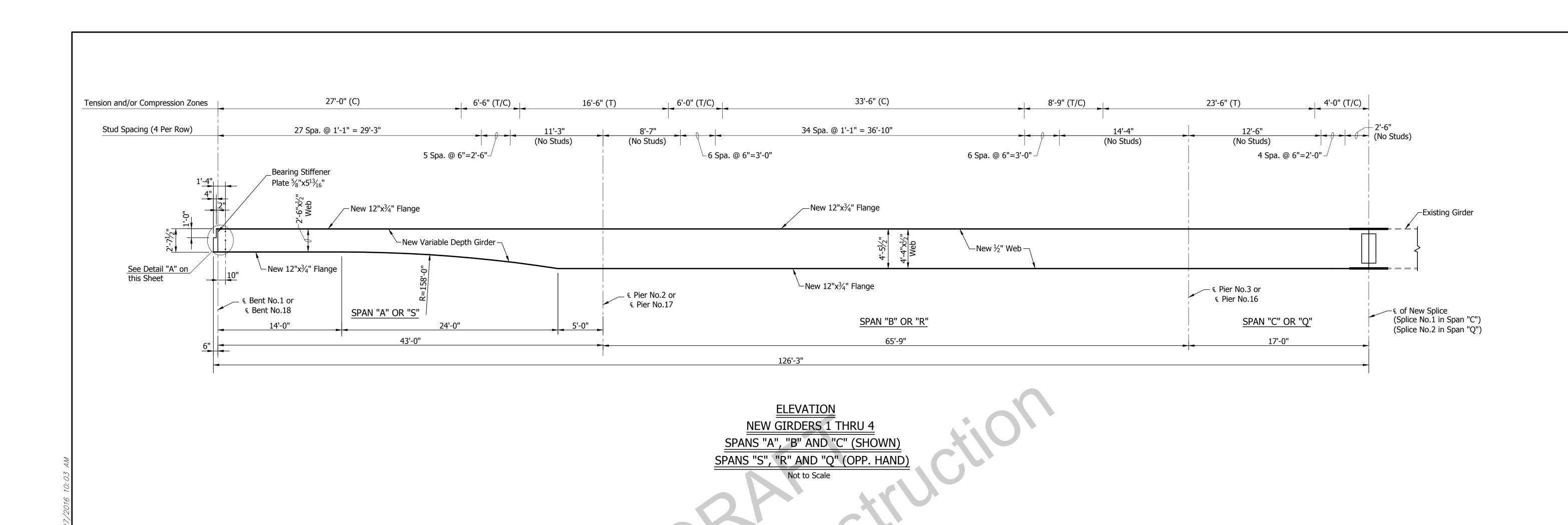
Scale: 3/8"=1'-0"

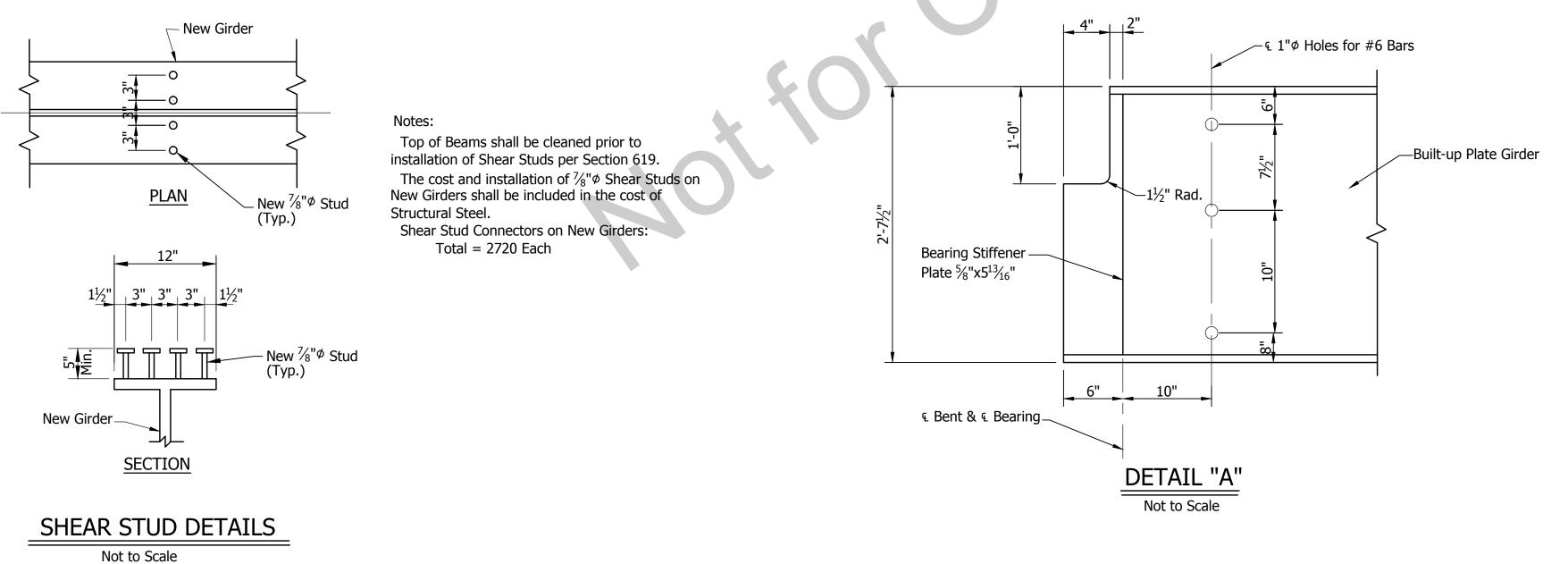
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DEPARTMENT OF TRANSPORTATION	VERTICAL SCALE	DESIGNATION] 0	
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PIER NO.2 OR NO.17 DETAILS		16	OF 3	33] ,	
NORTHBOUND STRUCTURE	CONTRACT		PROJECT] }	
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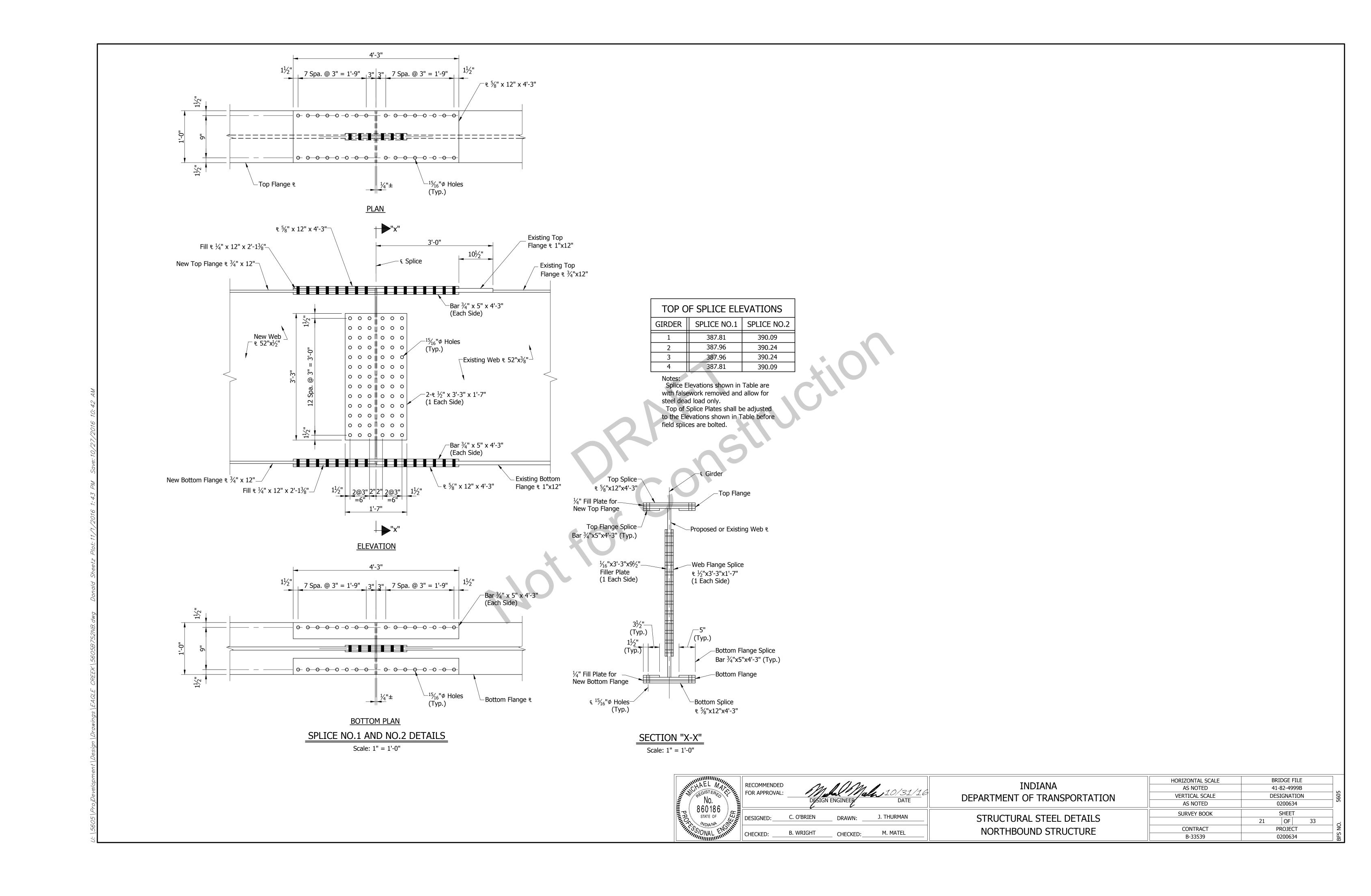


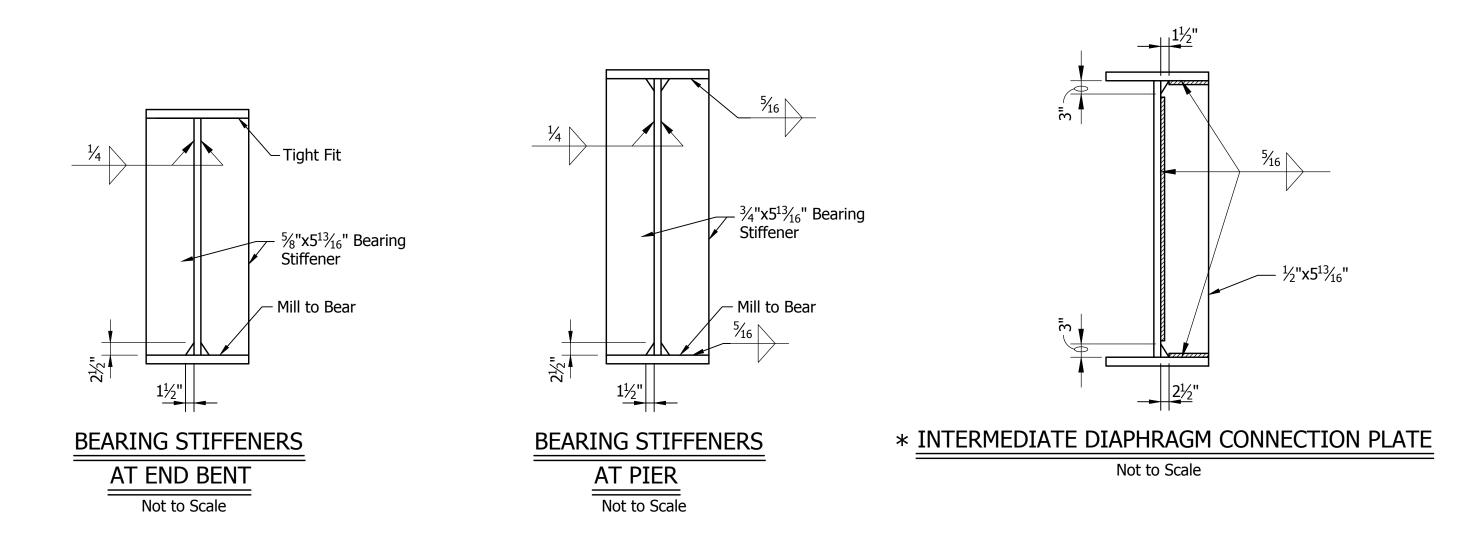
BRIDGE FILE HORIZONTAL SCALE INDIANA RECOMMENDED AS NOTED 41-82-4999B FOR APPROVAL: DEPARTMENT OF TRANSPORTATION VERTICAL SCALE DESIGNATION 0200634 AS NOTED SURVEY BOOK SHEET STRUCTURAL STEEL DETAILS C. OBRIEN D. SHEETZ DESIGNED:_ OF NORTHBOUND STRUCTURE CONTRACT PROJECT B. WRIGHT M. MATEL B-33539 0200634

See Sheet 19 for Framing Plan and Structural

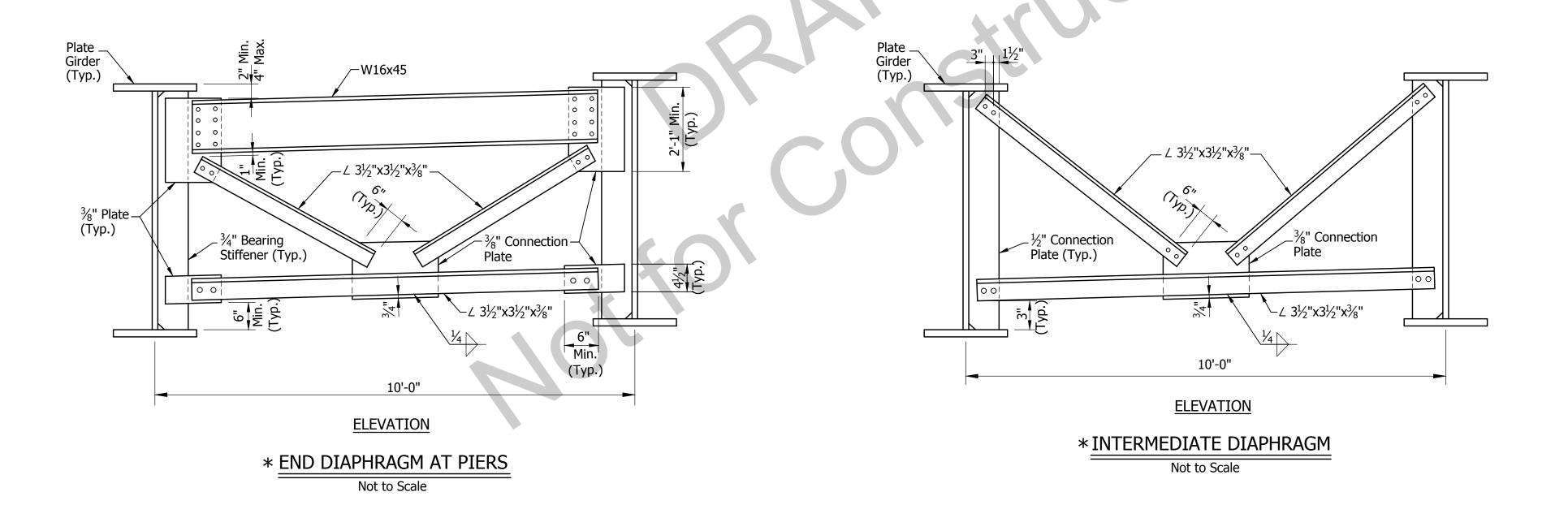
Steel Fabrication Notes.

See Sheet 21 for Splice Detail.

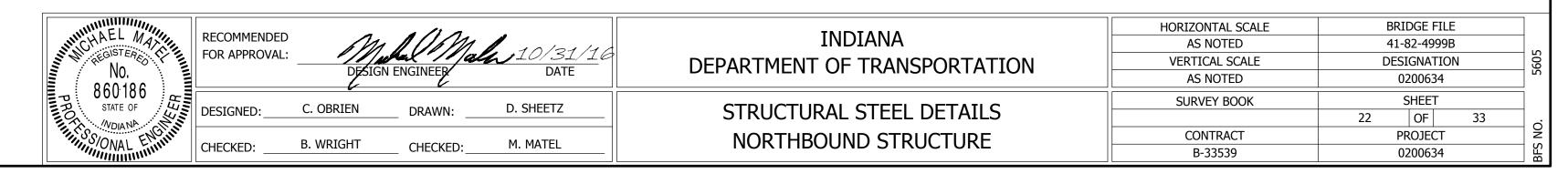




* Note: All Structural Steel for the End and Intermediate Diaphragms shall be Grade 36 Steel.

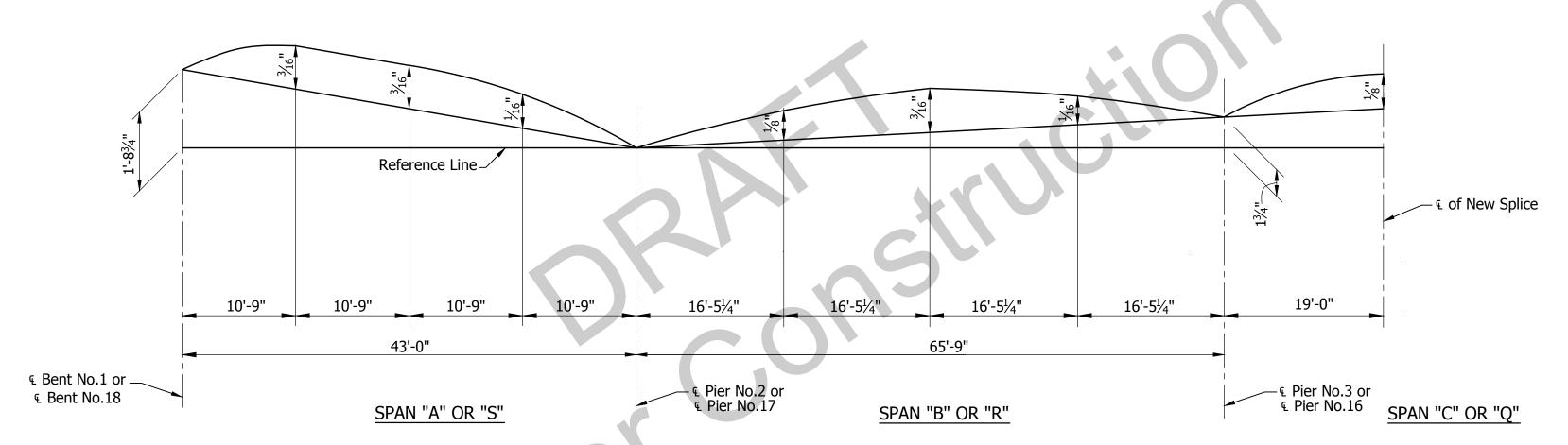


NOTE
See Sheet 19 for Framing Plan and Structural Steel Fabrication Notes.



NO LOAD CAMBER AND REAMING DIAGRAM (EXTERIOR GIRDERS)

Not to Scale



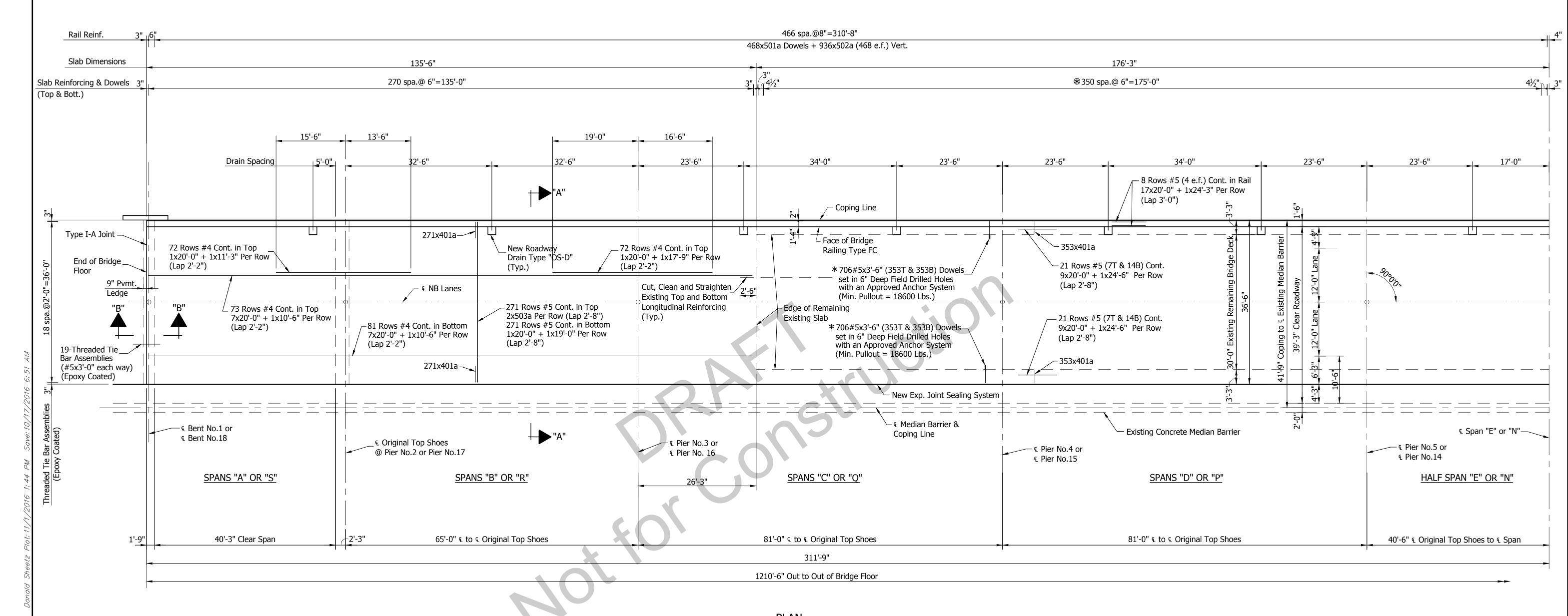
NO LOAD CAMBER AND REAMING DIAGRAM (INTERIOR GIRDERS) Not to Scale

	TABLE OF CAMBERS (EXTERIOR GIRDERS)										
	S	PAN "A" C	R "S"	SPA	AN "B" OR	"R"		SPAN "C	" OR "Q"		
	⅓ PT. ½ PT. ¾ PT				½ PT. ½ PT. ¾ PT.						
DEAD LOAD STEEL	0	0	0	0	0	0	0				
DEAD LOAD CONCRETE	1/" /8"	3/16"	1/16"	1/8"	1/8"	½16"	³ / ₁₆ "				
SUBTOTAL	1/8"	3/16"	½16"	1/8"	½" 8	½"	³ / ₁₆ "				
VERTICAL CURVE	0	0	0	0	0	0	0				
TOTAL	1/8"	3/16"	½6"	1/8"	1/8"	1/16"	3/16"				

	TABLE OF CAMBERS (INTERIOR GIRDERS)											
	S	PAN "A" C	R "S"	SPA	AN "B" OR	"R"		SPAN "C	" OR "Q"			
	⅓ PT.	½ PT.	¾ PT.	⅓ PT.	½ PT.	¾ PT.	€ Splice					
DEAD LOAD STEEL	0	0	0	0	0	0	0					
DEAD LOAD CONCRETE	3/16"	3/16"	1/16"	1/8"	3/16"	1/16"	1/8"					
SUBTOTAL	3/16"	3/16"	½16"	1/8"	3/16"	¹ / ₁₆ "	1/8"					
VERTICAL CURVE	0	0	0	0	0	0	0					
TOTAL	3/16"	³ / ₁₆ "	½16"	1/8"	3/16"	½16"	1/8"					

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NO. 860186 STATE OF VOIANA VOIANA STATE OF	DESIGNED:	C. OBRIEN	DRAWN:	D. SHEETZ	STRUCTURAL STEEL DETAILS	SURVEY BOOK	23	SHEET	33
MINIS/ONAL ENGINEER	CHECKED:	B. WRIGHT	CHECKED:	M. MATEL	NORTHBOUND STRUCTURE	CONTRACT	+	PROJECT	
·/////////////////////////////////////						B-33539		0200634	

New Transverse Reinforcing to be placed between and alternating with existing Reinforcing.



* Note: As an alternate, clean and straighten exposed existing transverse reinforcing in lieu of field drilled holes and dowels.

SPANS "A","B","C","D" AND HALF SPAN "E" (SHOWN)
HALF SPAN "N", SPANS "P","Q","R" AND "S" (OPP. HAND)

NORTHBOUND STRUCTURE

Scale: $\frac{3}{32}$ "=1'-0"

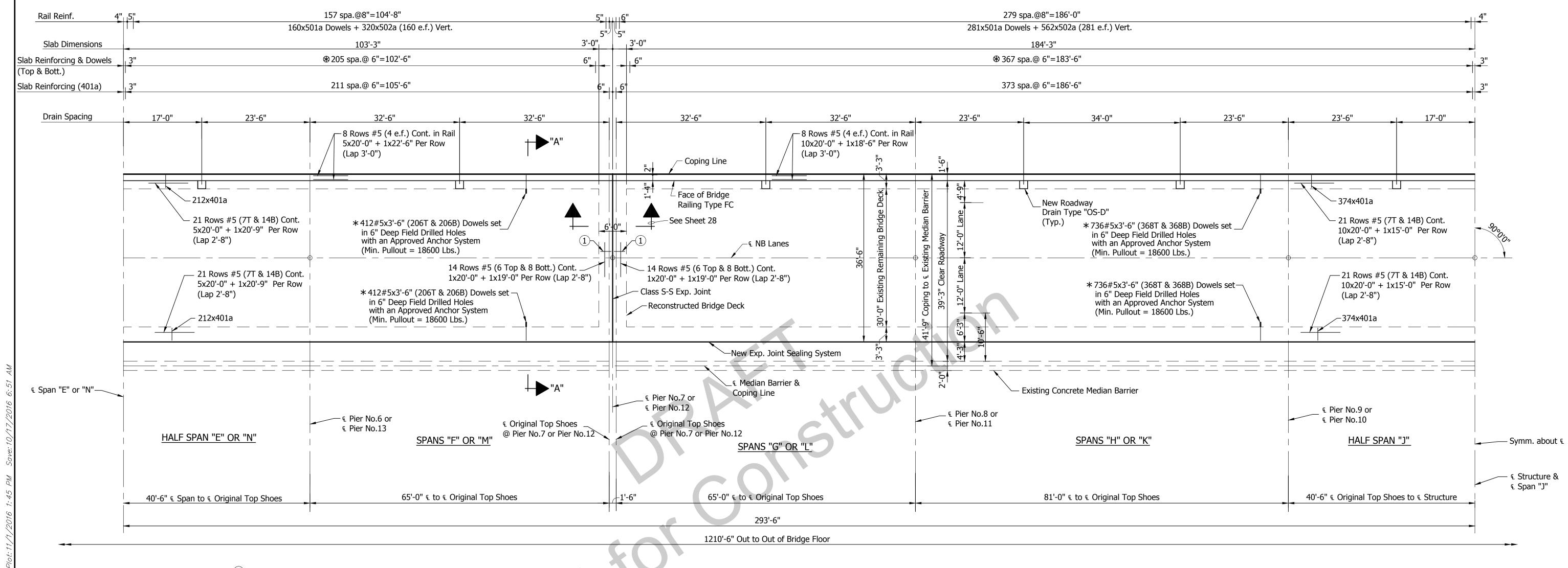
NOTES

See Sheet 12 for Section "B-B"
See Sheet 25 for Balance of Plan.
See Sheets 26 and 27 for Sections "A-A"
and Additional Notes.
See Sheet 28 for Concrete Dead Load Deflection Diagrams.
See Sheet 29 for Screed Plans and Screed Notes.

See Sheet 30 for Screed Elevations.
See Sheet 31 for Bar Bending Details and Bill of Materials.

BRIDGE FILE HORIZONTAL SCALE INDIANA AS NOTED 41-82-4999B VERTICAL SCALE DESIGNATION DEPARTMENT OF TRANSPORTATION AS NOTED 0200634 SURVEY BOOK SHEET FLOOR DETAILS OF 33 NORTHBOUND STRUCTURE CONTRACT **PROJECT** B-33539 0200634

New Transverse Reinforcing to be placed between and alternating with existing Reinforcing.



1) 45x504a spa. w/ Exist. Bottom #5 (15 req'd. @ each Girder Spa.)

* Note: As an alternate, clean and straighten exposed existing transverse reinforcing in lieu of field drilled holes and dowels.

HALF SPAN "E", SPANS "F", "G", "H" AND HALF SPAN "J" (SHOWN)
HALF SPAN "J", SPANS "K", "L", "M" AND HALF SPAN "N" (OPP. HAND)

NORTHBOUND STRUCTURE

Scale: $\frac{3}{32}$ "=1'-0"

NOTES
See Sheet 24 for Balance of Plan.
See Sheets 26 and 27 for Sections "A-A"
and Additional Notes.
See Sheet 28 for Concrete Dead Load Deflection Diagrams.
See Sheet 29 for Screed Plans and Screed Notes.
See Sheet 30 for Screed Elevations.
See Sheet 31 for Bar Bending Details and
Bill of Materials.

HORIZONTAL SCALE
AS NOTED

VERTICAL SCALE

AS NOTED

SURVEY BOOK

CONTRACT

B-33539

BRIDGE FILE

41-82-4999B

DESIGNATION

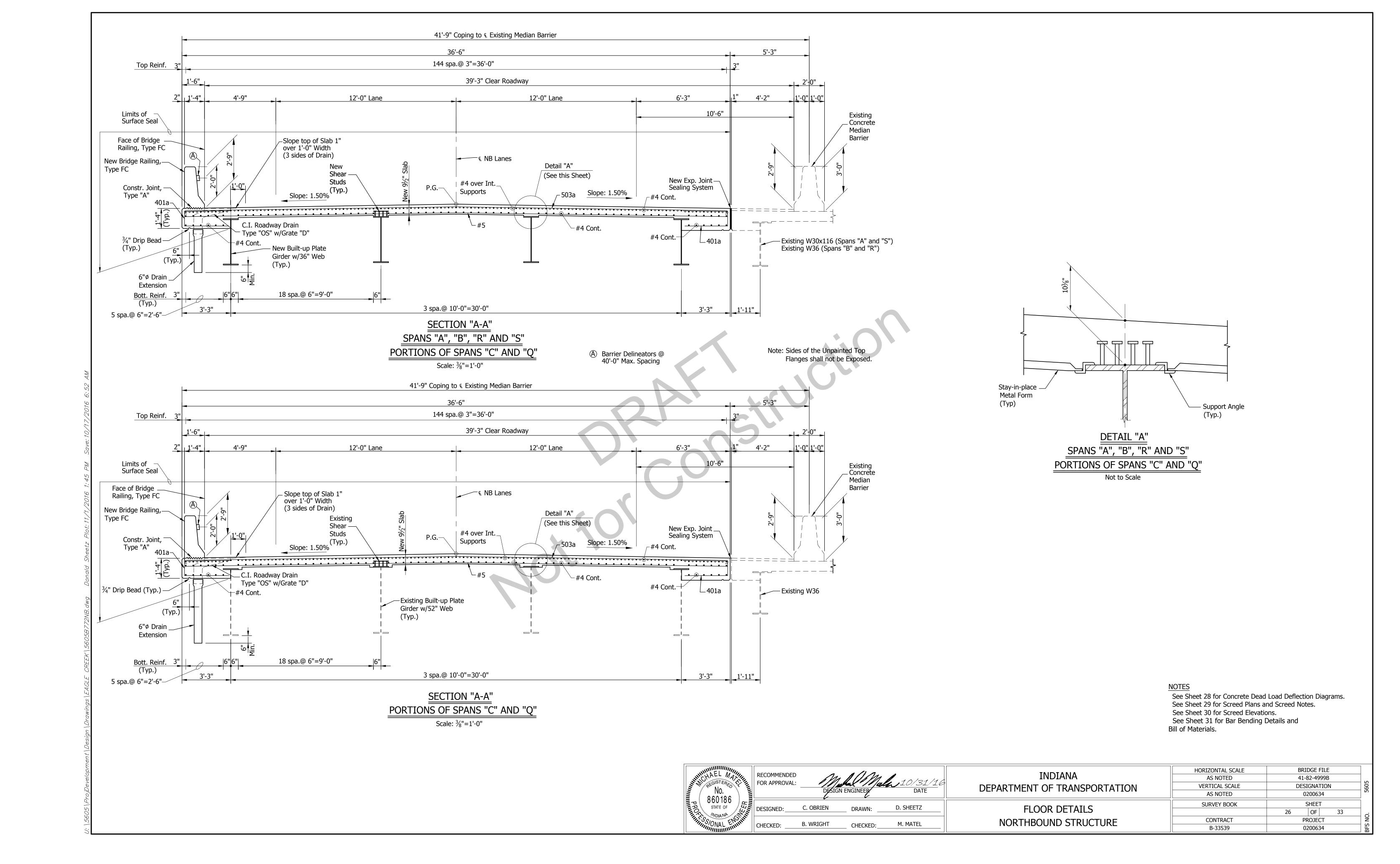
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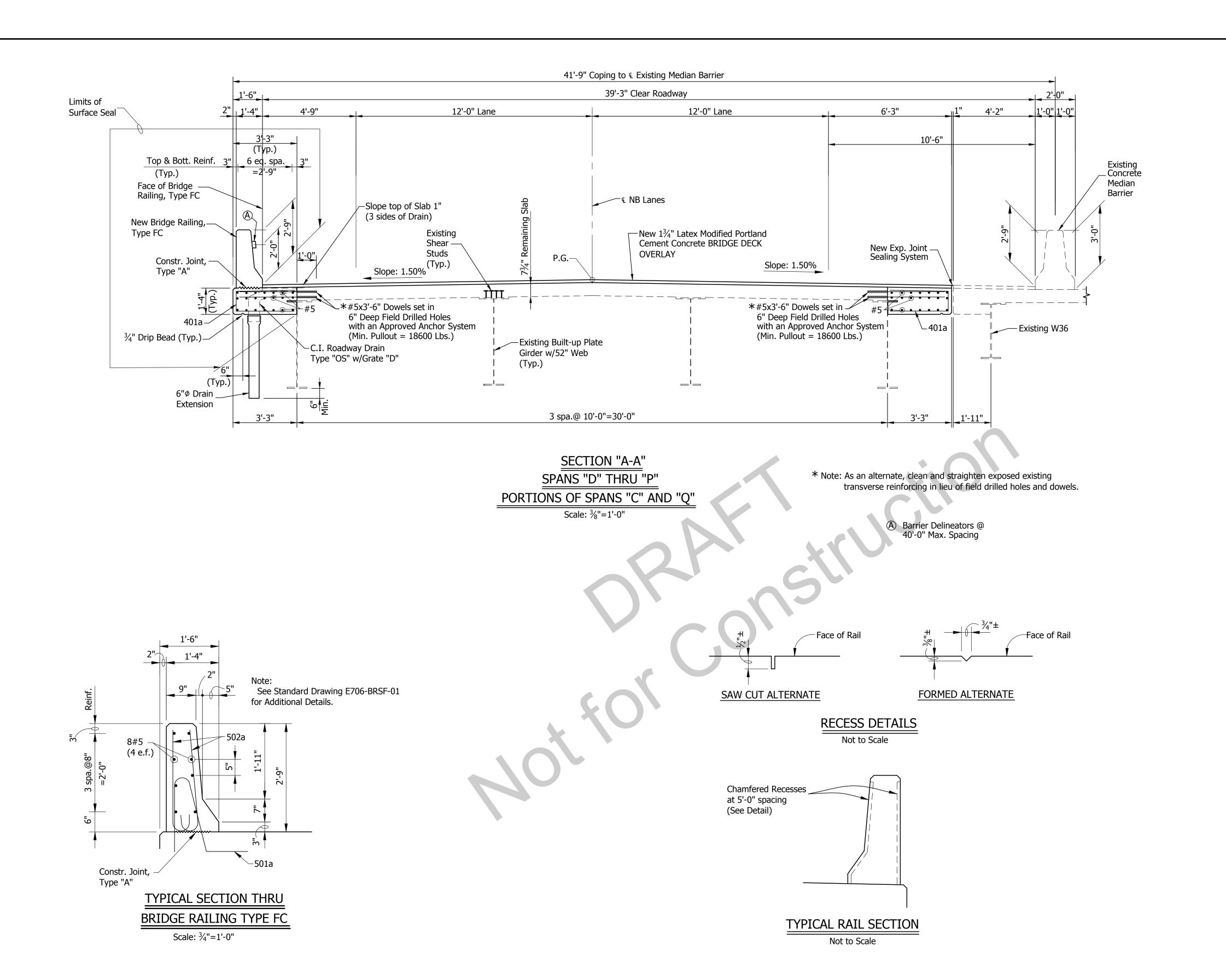
SHEET

PROJECT

0200634

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11/1/05/ONAL ENGINE	CHECKED:	B. WRIGHT	CHECKED:	M. MATEL	NORTHBOUND STRUCTURE





FLOOR NOTES

of the outside beams from construction loads such as

The Contractor shall have the option of using

adjacent to the beam spans.

finishing machines, forms, etc.

concrete placement.

After the beams have been erected, concrete forms shall not

be blocked against the end of beams in making any pours

Suitable restraint shall be provided to prevent the rotation

The top reinforcing in the slab shall be securely tied down

permanent metal deck forms in lieu of removable deck forms.

The Contractor shall space the reinforcing bars so to

ensure a continuous bar is at the edge of each coping.

to the slab forms and/or the beams to prevent lifting during

NOTE

See Sheet 31 for Bar Bending Details and Bill of Materials.

BRIDGE FILE

41-82-4999B

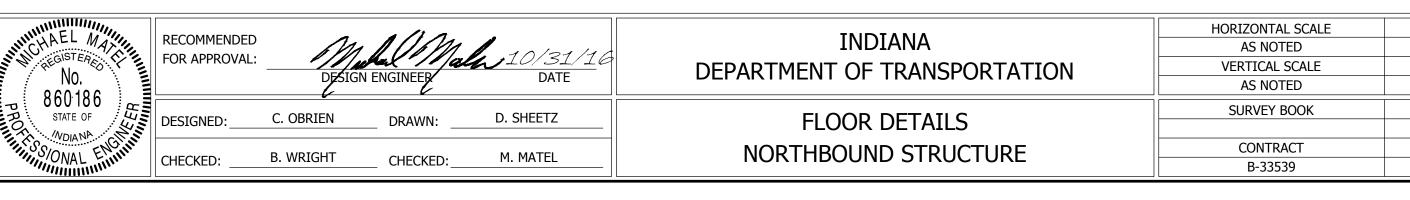
DESIGNATION 0200634

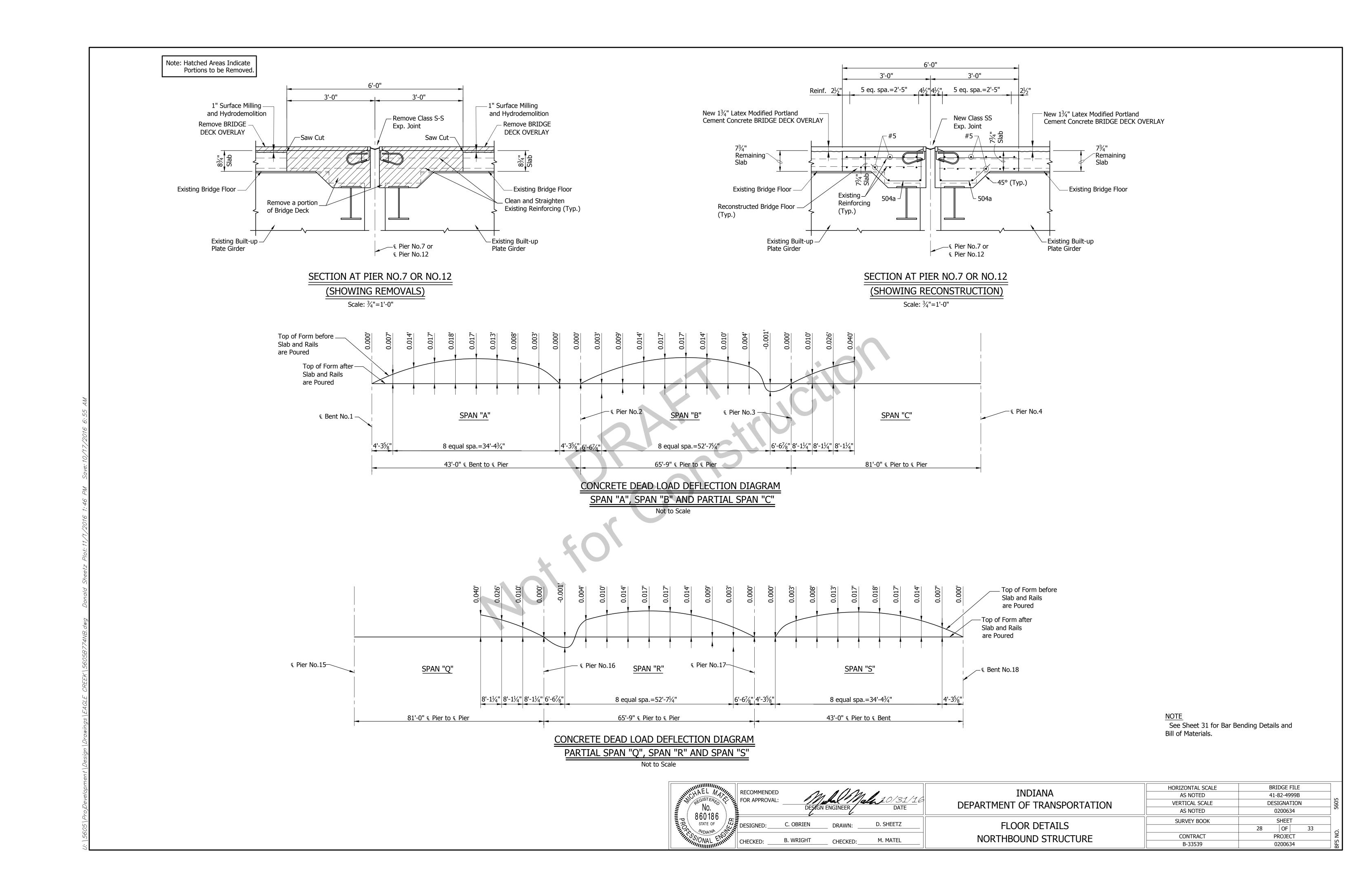
SHEET

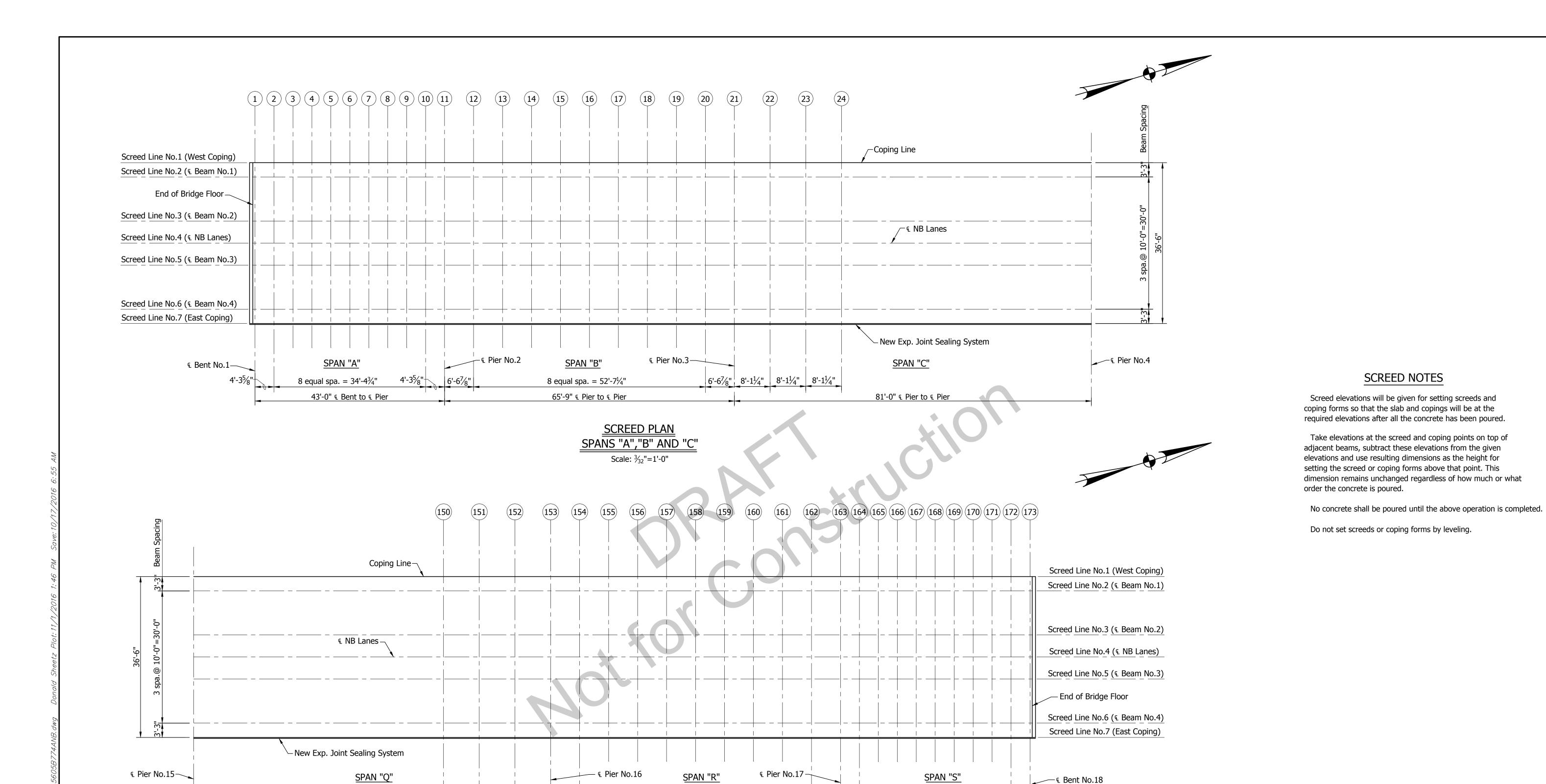
OF

PROJECT

0200634







SCREED PLAN SPANS "Q","R" AND "S" Scale: $\frac{3}{32}$ "=1'-0"

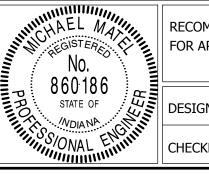
8 equal spa. = $52'-7\frac{1}{4}"$

65'-9" € Pier to € Pier

8'-11/4" 8'-11/4" 8'-11/4" 6'-67/8"

81'-0" & Pier to & Pier

NOTE
See Sheet 30 for Screed Elevations.



6'-67/8"

COMMENDED R APPROVAL:	DESIGN	Mall Mar	10/31/16 DATE
IGNED:	C. OBRIEN	DRAWN:	D. SHEETZ
CKED:	B. WRIGHT	_ CHECKED:	M. MATEL

8 equal spa. = $34'-4\frac{3}{4}$ "

43'-0" & Pier to & Bent

€ Bent No.18

4'-35/8"

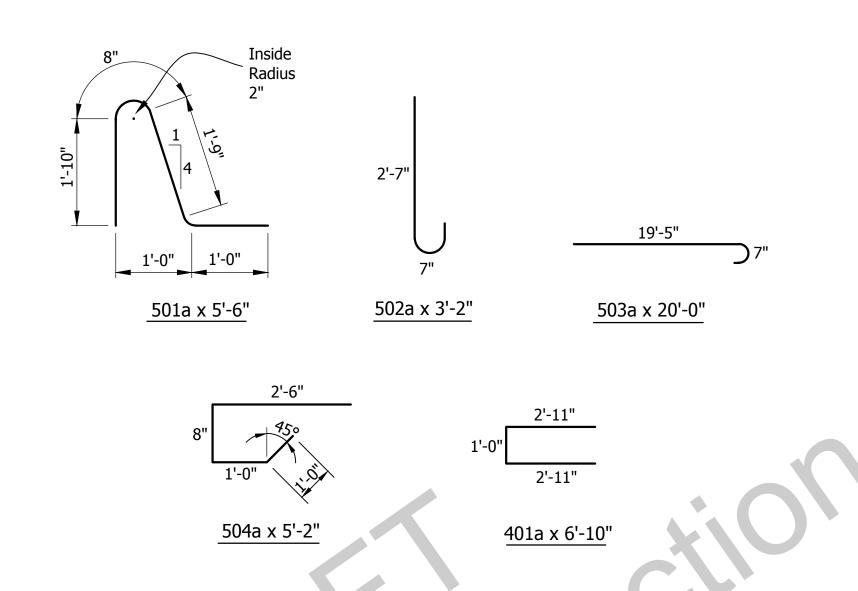
TAIDTANIA	HORIZONTAL SCALE	BI	RIDGE FIL	E		
INDIANA	AS NOTED	4:	1-82-4999	В		
DEPARTMENT OF TRANSPORTATION	VERTICAL SCALE	DESIGNATION				
DELYNCTIENT OF TRUNGS ORTALION	AS NOTED	0200634				
ELOOD DETAILC	SURVEY BOOK		SHEET			
FLOOR DETAILS		29	OF	33		
NORTHBOUND STRUCTURE	CONTRACT					
HORTIBOOND STRUCTURE	B-33539					

	Point:	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173
	Top of Coping Form	390.850	390.855	390.860	390.870	390.885	390.905	390.925	390.945	390.965	390.980	390.995	391.005	391.015	391.025	391.035	391.050	391.065	391.080	391.095	391.105	391.115	391.125	391.125	391.130
1	Top of Exterior Beam																								
	Top of Beam to Top of Coping																								
	Top of Screed	390.900	390.905	390.910	390.920	390.935	390.955	390.975	390.995	391.015	391.030	391.040	391.055	391.065	391.075	391.085	391.100	391.115	391.130	391.145	391.155	391.165	391.170	391.175	391.180
2	Top of Beam																								
	Top of Beam to Top of Screed	l																							
	Top of Screed	391.050	391.055	391.060	391.070	391.085	391.105	391.125	391.145	391.165	391.180	391.190	391.205	391.215	391.225	391.235	391.250	391.265	391.280	391.295	391.305	391.315	391.320	391.325	391.330
3	Top of Beam																								
	Top of Beam to Top of Screed																								
	Top of Screed	391.125	391.130	391.135	391.145	391.160	391.180	391.200	391.220	391.240	391.255	391.265	391.280	391.290	391.300	391.310	391.325	391.340	391.355	391.370	391.380	391.390	391.395	391.400	391.405
3 4	Top of Beam																								
CRE 4	Top of Beam to Top of Screed																								
σ	Top of Screed	391.050	391.055	391.060	391.070	391.085	391.105	391.125	391.145	391.165	391.180	391.190	391.205	391.215	391.225	391.235	391.250	391.265	391.280	391.295	391.305	391.315	391.320	391.325	391.330
5	Top of Beam																								
	Top of Beam to Top of Screed																								
	Top of Screed	390.900	390.905	390.910	390.920	390.935	390.955	390.975	390.995	391.015	391.030	391.040	391.055	391.065	391.075	391.085	391.100	391.115	391.130	391.145	391.155	391.165	391.170	391.175	391.180
6	Top of Beam																								
	Top of Beam to Top of Screed																								
	Top of Coping Form	390.850	390.855	390.860	390.870	390.885	390.905	390.925	390.945	390.965	390.980	390.995	391.005	391.015	391.025	391.035	391.050	391.065	391.080	391.095	391.105	391.115	391.125	391.125	391.130
7	Top of Exterior Beam																								
	Top of Beam to Top of Coping																								

PROFIGNI	NO. 860186 STATE OF VOIANA	HINNER HINNING
11/1	WILLIAM TO NAL WIN	'III'

RECOMMENDED FOR APPROVAL:	DESIG	Males	10/31/10 DATE
DESIGNED:	C. OBRIEN	DRAWN:	D. SHEETZ
CHECKED:	B. WRIGHT	CHECKED:	M. MATEL

TAIDTANIA	HORIZONTAL SCALE	BRIDGE FILE					
INDIANA	AS NOTED	41	-82-49991	В			
DEPARTMENT OF TRANSPORTATION	VERTICAL SCALE	DES	SIGNATIO	N			
	AS NOTED	0200634					
ELOOD DETAILC	SURVEY BOOK		SHEET				
FLOOR DETAILS		30					
NORTHBOUND STRUCTURE	CONTRACT	PROJECT					
NORTHBOOND STRUCTURE	B-33539	0200634					



BAR BENDING DETAILS

Not to Scale

* Note: As an alternate, clean and straighten exposed existing transverse reinforcing in lieu of field drilled holes and dowels.

BILL OF MATERIALS SUPERSTRUCTURE SPANS "A" THRU "S" NORTHBOUND STRUCTURE

		REINFORC	ING BARS	
	Mark or Size	No. of Bars	Length (Ft.)	Weight (Lbs.)
	F04		EL CII	
	501a	909	5'-6"	_
	502a	1818	3'-2"	_
	503a	1084	20'-0"	
	504a	180	5'-2"	_
	#5	84	24'-6"	_
	#5	16	24'-3"	
	#5	16	22'-6"	
	#5	84	20'-9"]
	#5	3126	20'-0"	1
	#5	598	19'-0"	
	#5	16	18'-6"	1
	#5	84	15'-0"	†
*	#5	7416	3'-6"	1
	Total #5 (Ep	ooxy Coated)		145300
		, ,		
	401a	4840	6'-10"	
	#4	2444	20'-0"	_
	#4	144	17'-9"	_
	#4	144	11'-3"	1
	#4	308	10'-6"]
	Total #4 (Ep	poxy Coated)		59695
	T		<u> </u>	204005
\rightarrow	Total Steel (Epoxy Coated	1)	204995
		CONC	RETE	<u>'</u>
	Class "C" in	Superstructur	·•	671.3 Cys
	Class C III	<u>Supersu uctur</u>	<u>C</u>	07 1.5 Cy3
	Class "C" in	Railing		115.7 Cys
		MISCELL	ANEOUS	<u> </u>
	Barrier Delin	antors		22 Fack
			1.	32 Each
		e Bar Assemb	olies	
	(#5x3'-0" ea			
	(Epoxy Coat			38 Each
	Surface Sea			18400 Sft.
		adway Drains	5	
	Type "OS-D'	1		26 Each
	6"∮ Drain P	ipe Casting E	xtension	26 Each
*	Field Drilled	Holes in Con	crete	7416 Each
	Class S-S Ex	kpansion Join	t	74 Lft
	Bridge Deck	Overlay		3654 Sys
	Surface Mill	ing		6184 Sys
	-			'

Hydrodemolition

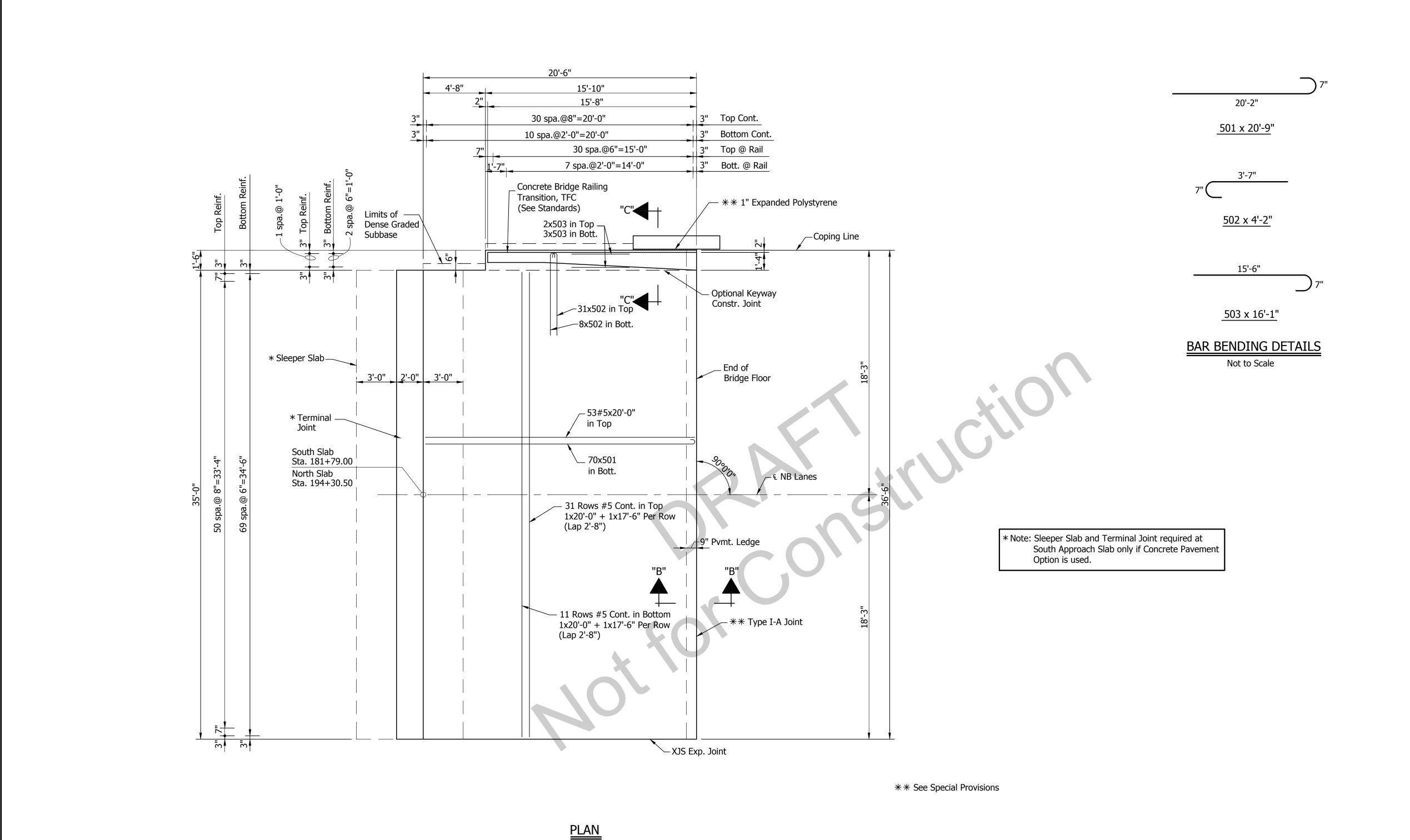
Additional Bridge Deck Overlay

3092 Sys.

17.8 Cys.

FOR STERES	COMMENDED APPROVAL: DESIGN E	Male NGINEER	10/31/16 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE AS NOTED VERTICAL SCALE AS NOTED	BRIDGE FILE 41-82-4999B DESIGNATION 0200634
STATE OF DESIGNATION OF THE PROPERTY OF THE PR	IGNED: C. OBRIEN	DRAWN:	D. SHEETZ	FLOOR DETAILS	SURVEY BOOK	SHEET 31 OF 33
NO. 860186 STATE OF DESIGNATION CHECK	CKED: B. WRIGHT	CHECKED:	M. MATEL	NORTHBOUND STRUCTURE	CONTRACT B-33539	PROJECT 0200634

605 (ProjDevelopment (Design (Drawings (ŁAGLE) CKEEK (5605B7/5NB. dwg) – Donald Sheetz Plot: 11/1/2016 1:46 PM Saw



BILL OF MATERIALS SOUTH APPR. SLAB NORTH APPR. SLAB (SAME UNLESS NOTED)

NO	RTHBOUN	D STRUCT	<u>URE</u>
	REINFORCI	NG BARS	
Mark or Size	No. of Bars	Length (Ft.)	Weig (Lbs.
501	70	20'-9"	
F02	20	41.211	

501	/0	20'-9"	
502	39	4'-2"	
503	5	16'-1"	
#5	95	20'-0"	
#5	42	17'-6"	
Total Steel (E	Epoxy Coated)		4517

CONCRETE	
Reinforced Concrete	
Bridge Approach (12")	83 Sys.

	MISCELLANEOUS	
	Dense Graded Subbase	14 Cys.
	Concrete Bridge Railing	
	Transition, TFC	1 Each
	Surface Seal	730 Sft
*	Terminal Joint	35 Lft

Does not include Bridge Railing Transition

* South Approach Only (See Note)

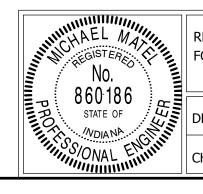
<u>PLAN</u> SOUTH APPROACH SLAB (SHOWN) NORTH APPROACH SLAB (OPP. HAND) Scale: ½"=1'-0"

See Sheet 12 for Section "B-B". See Sheet 13 for Section "C-C".

B-33539

BRIDGE FILE 041-82-4999B DESIGNATION 0200634 SHEET OF PROJECT

0200634



RECOMMENDED FOR APPROVAL:	Mack		10/31/1
	DESIGN E	NGINEER	DATE
ESIGNED:	D. SHEETZ	DRAWN:	D. SHEETZ
HECKED:	M. MATEL	CHECKED:	M. MATEL
	·		·

TNIDTANIA	HORIZONTAL SCALE	
INDIANA	AS NOTED	
DEPARTMENT OF TRANSPORTATION	VERTICAL SCALE	
	AS NOTED	
ADDDOACH CLAD DETAILC	SURVEY BOOK	
APPROACH SLAB DETAILS		
NORTHBOUND STRUCTURE	CONTRACT	
NORTH BOOK STRUCTURE	B-33530	

STRUCTURE QUANTITIES

		CONC	RETE		DENSE	REINF.	CONC.	REINF.	REINF.	EST.	ADDITIONAL		FIELD	CAST IRON		PDIDCE		EST.	CONCRETE BRIDGE	FIELD DRILL	2"ø GALV		 AGGREGATE	THREADED	6"¢ END			FLASTOMERIC	
ITEM	IN	CLASS C IN SUBSTR.	CLASS B IN FOOTING	CLASS A IN SUBSTR.	GRADED SUBBASE	CONC. BRIDGE APPR. 12"	RAILING, FC	BARS (PLAIN)	BARS (EPOXY COATED)	WEIGHT STR. STEEL	BRIDGE DECK OVERLAY	HYDRO- DEMOLITION		DRAIN TYPE "OS-D"	DRAIN PIPE EXTENSION	BRIDGE DECK OVERLAY	SURFACE MILLING	AREA SURFACE SEAL	RAILING TRANSITION TFC	HOLES IN CONCRETE	STEEL PIPE CONDUIT	GEOTEXTILE	l	THREADED TIE BAR ASSEMBLIES (EPOXY COATED)	BENT DRAIN PIPE	BARRIER DELINEATORS	*TERMINAL JOINT	ELASTOMERIO BEARING ASSEMBLY	EXPANSI JOINT
	CYS.	CYS.	CYS.	CYS.	CYS.	SYS.	CYS.	LBS.	LBS.	LBS.	CYS.	SYS.	EACH	EACH	EACH	SYS.	SYS.	SFT.	EACH	EACH	LFT.	SYS.	CYS.	EACH	LFT.	EACH	LFT.	EACH	LFT.
SUPERSTRUCTURE																													
Spans "A" thru "S"	671.3						115.7		204995		17.8	3092	1	26	26	3654	6184	18400		⊕ 7416				38		32			74
	07 210										-																		+
SUBSTRUCTURE																													
Bent No.1				13.2					4373											34		44	20		56				
Pier No.2				12.9				3778																					
Pier No.3				1.0				126												24								4	
Pier No.7				15.4					4902																			8	
Pier No.12				15.4					4902																			8	
Pier No.16				1.0				126												24								4	
Pier No.17				12.9				3778																					
Bent No.18				13.2					4373											34		44	20		56				
APPROACH SLABS																													+
South					14	83			4517									730	1								35		
North					14	83			4517									730	1										
BARRIER RAIL TRANSITIONS																													+
South									1102																				
North									1102																				
																	A												
TOTALS	671.3			85.0	28	166	1157	⊕ 7000	⊕ 234783		17.8	3092		26	26	3654	6184	19860		7532		88	40	38	112	32	35	24	74

 \oplus A.S.T.M. A615, Grade 60

* Note: Sleeper Slab and Terminal Joint required at South Approach Slab only if Concrete Pavement Option is used.

Note: As an alternate, clean and straighten exposed existing transverse reinforcing in lieu of field drilled holes and dowels.

NO.

860186

STATE OF

WOJANA

WOJANA

STATE OF

RECOMMENDED FOR APPROVAL:

DESIGN ENGINEER DATE

DESIGNED:

D. SHEETZ

DRAWN:

D. SHEETZ

CHECKED:

M. MATEL

CHECKED:

M. MATEL

BRIDGE FILE HORIZONTAL SCALE INDIANA NONE 041-82-4999B DEPARTMENT OF TRANSPORTATION VERTICAL SCALE DESIGNATION 0200634 NONE SURVEY BOOK SHEET **BRIDGE SUMMARY** 33 OF PROJECT NORTHBOUND STRUCTURE CONTRACT B-33539 0200634

ent\Design\Drawings\EAGLE CREEK\5605B901NB.dwg Donald Sheetz Plot:11/1/2016 1:47 PM Sav