PROJECT	DESIGNATION
9620260	9620260
CONTRACT	BRIDGE FILE
B-33539	041-82-4997C

DESIGNATION

0100482

9620260 0200633

0200636

0200635

0200634

1298275 1592481

	N	ORTHBOUND STRUCTURE	:	
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
041-82-4997C	BUILT-UP STEEL PLATE GIRDER BRIDGE	1@85'-3" 3@86'-0" 1@43'-0" NO SKEW	CHEATAM SLOUGH	€ STRUCTURE STA. 134+98.65

KIN PROJECT INFORMATION

Roadway Plans from Cheatam Slough to Eagle Creek

U.S. 41 over SB Cheatam Slough

U.S. 41 over NB Cheatam Slough

U.S. 41 over SB Eagle Creek

U.S. 41 over NB Eagle Creek
U.S. 41 over SB Ohio River

U.S. 41 over SB Ohio River Overflow

U.S. 41 over NB Ohio River Overflow

PROJECT DESCRIPTION

INDIANA DEPARTMENT OF TRANSPORTATION



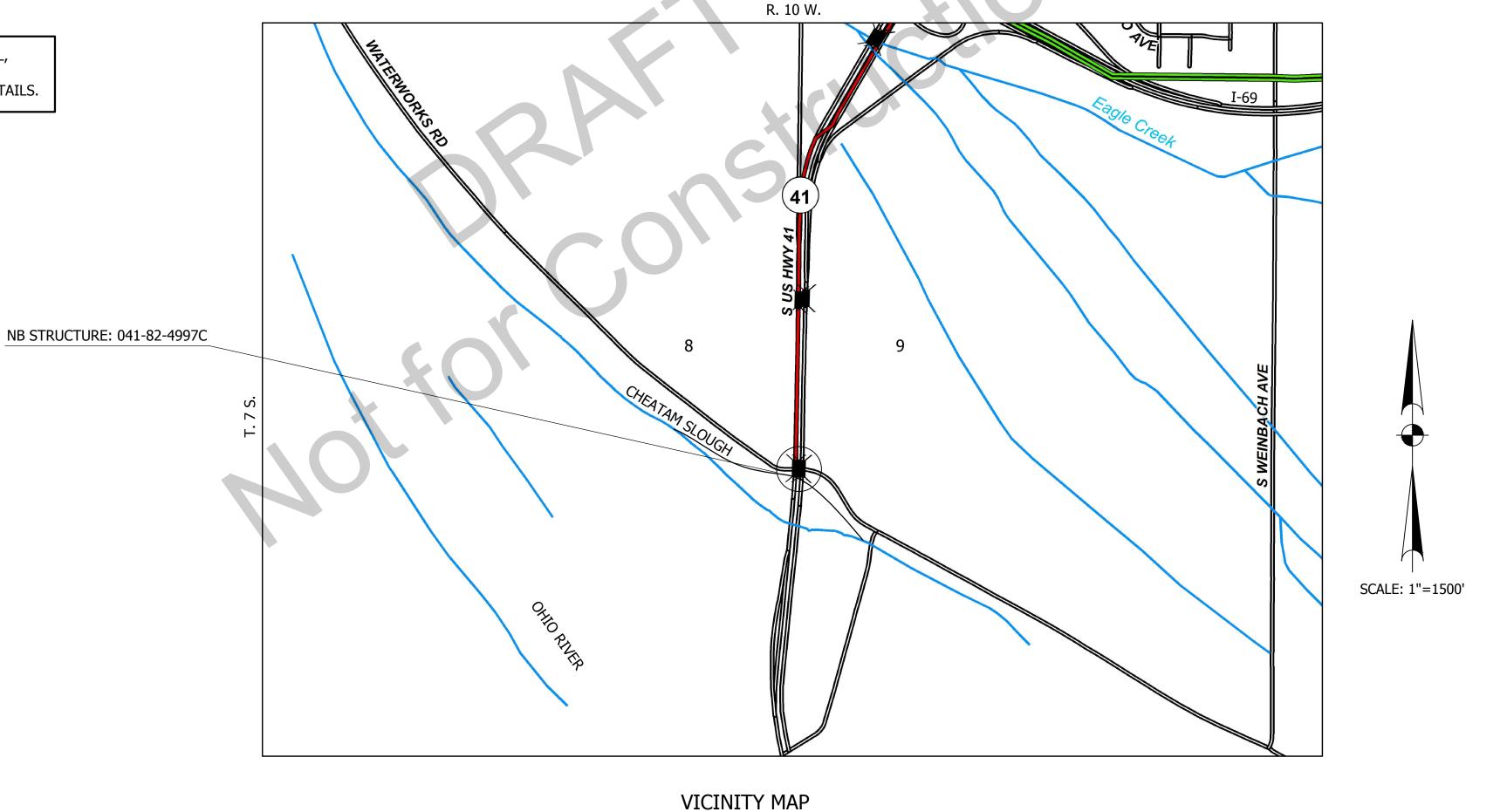
BRIDGE REHABILITATION PLANS FOR SPANS OVER 20 FEET

U.S. 41 NB OVER CHEATAM SLOUGH

PROJECT NO. 9620260

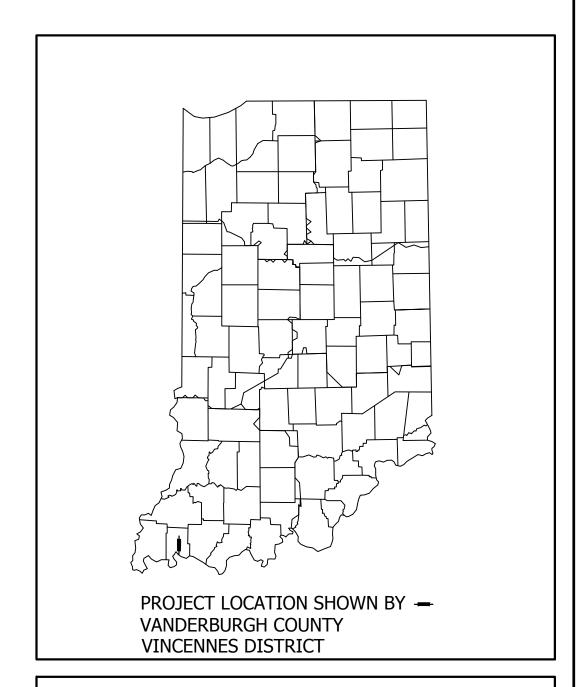
DECK RECONSTRUCTION ON STRUCTURE: 041-82-4997C (NB), U.S 41 OVER CHEATAM SLOUGH LOCATED APPROXIMATELY 1.06 MILES SOUTH OF THE U.S.41 AND I-69 INTERCHANGE, IN SECTIONS 8 AND 9, TOWNSHIP 7 SOUTH, RANGE 10 WEST, VANDERBURGH COUNTY, INDIANA.

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



VANDERBURGH COUNTY

TRAFFIC DATA A.A.D.T. (2013) 20153 V.P.D. A.A.D.T. (2017) 20380 V.P.D. A.A.D.T. (2037) 25630 V.P.D. DIRECTIONAL DISTRIBUTION 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 ARTERIA RURAL/URBAN ACCESS CONTROL NONE



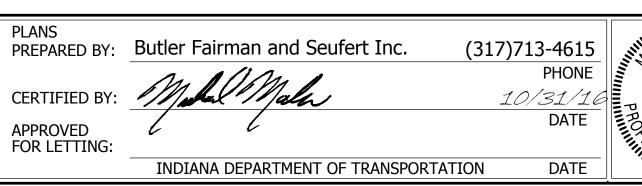
LATITUDE: 37°55'23" N. & LONGITUDE: 87°32'55" W.

H.U.C. = 05140202010020

R.P. 0+39

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

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



			BRID	GE FILE	
L5	HILL HALL MAXING		041-	82-4997C	
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4	E 060106 E		96	520260	
<i>LO</i>	860186 STATE OF	SURVEY BOOK	S	HEET	
_	NOIANA SEE		1	OF	30
	MINSONAL ENGINE	CONTRACT	PR	OJECT	
E	WALL WALL	B-33539	96	520260	

UTILITIES COMMUNICATIONS: AT&T **ELECTRIC:** KENERGY CORPORATION 134 NW Sixth Street ATTN: Kyle Hart P. (270) 831-4602 Evansville, Indiana 47708 ATTN: Marc Clark E. khart@kenergycorp.com 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 SIGNALS & LIGHTING E. af1896@att.com INDOT: 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 E. kveygman@indot.in.gov P. (812) 455-9558 (CELL) 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 E. daryl.hulsey@twcable.com ATTN: Larry Stagner 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	GENERAL PLAN EXISTING STRUCTURE				
4	GENERAL PLAN PROPOSED STRUCTURE				
5-6	TYPICAL SECTIONS				
7-11	BENT NO.1 DETAILS-NORTHBOUND STRUCTURE				
12-14	BENT NO.6 DETAILS-NORTHBOUND STRUCTURE				
15	PEDESTAL DETAILS-NORTHBOUND STRUCTURE				
16-17	PIER NO.5 DETAILS-NORTHBOUND STRUCTURE				
18-22	STRUCTURAL STEEL DETAILS-NORTHBOUND STRUCTURE FLOOR DETAILS-NORTHBOUND STRUCTURE				
23-28 29	APPROACH SLAB DETAILS-NORTHBOUND STRUCTURE				
30	BRIDGE SUMMARY-NORTHBOUND STRUCTURE				
30	DRIDGE SOMMAKT NORTHDOOND 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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HECKED: M. MATEL

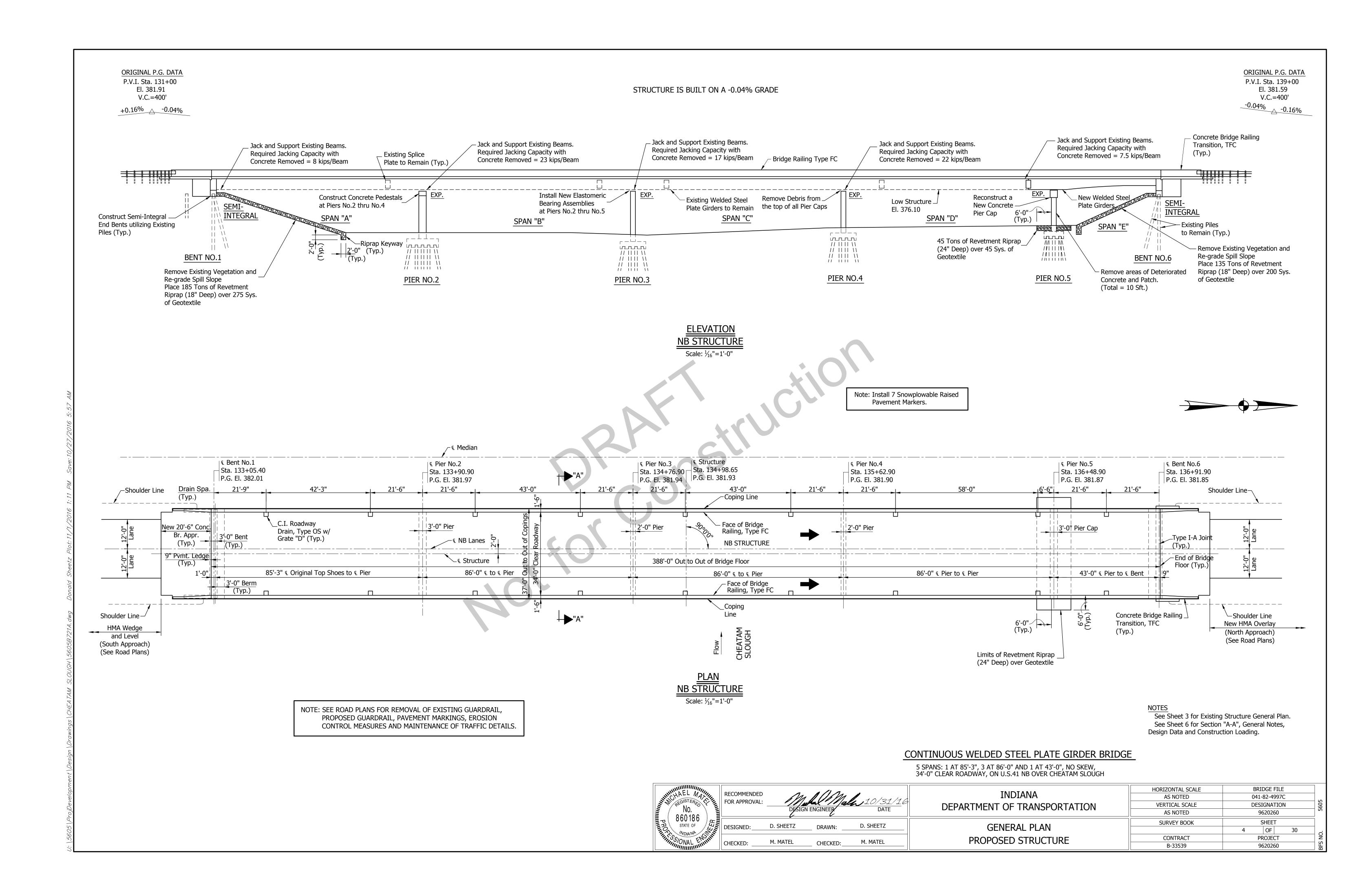
BRIDGE FILE HORIZONTAL SCALE INDIANA NONE 041-82-4997C DEPARTMENT OF TRANSPORTATION VERTICAL SCALE DESIGNATION 9620260 NONE SURVEY BOOK SHEET OF INDEX SHEET CONTRACT PROJECT

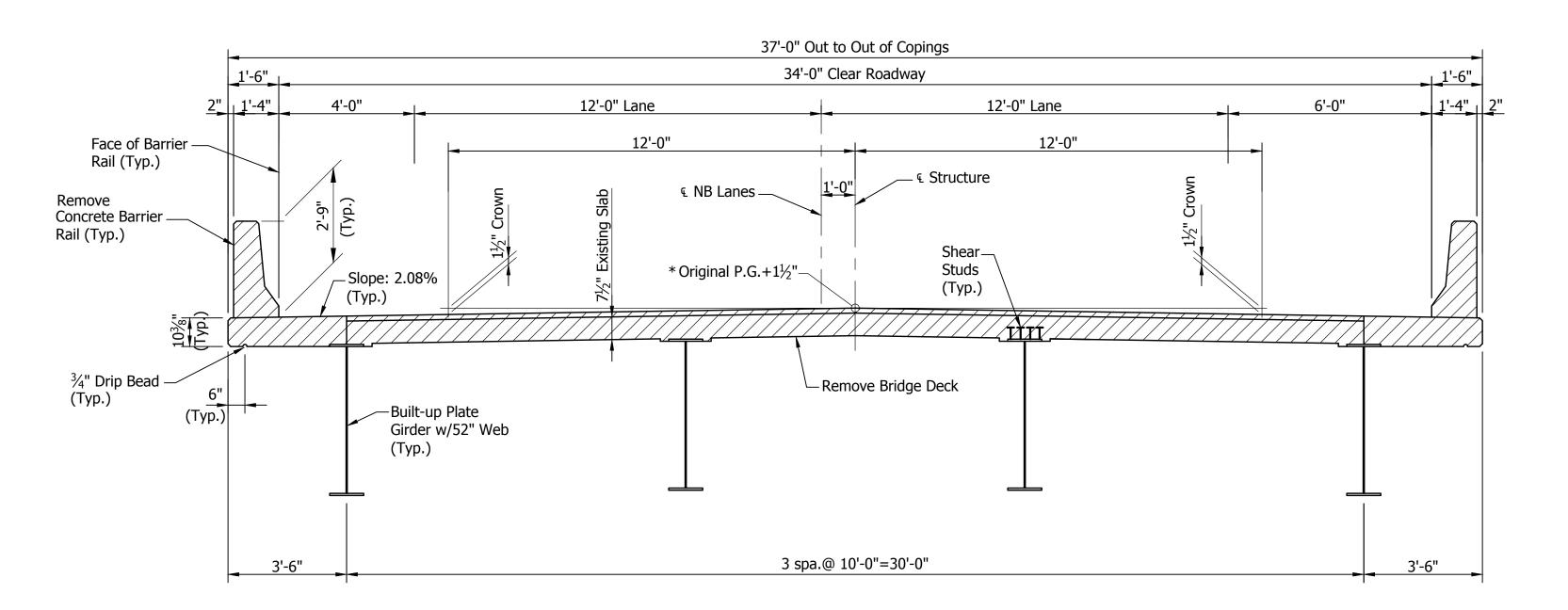
B-33539

9620260

CONTINUOUS WELDED STEEL PLATE GIRDER AND R.C. GIRDER BRIDGE 5 SPANS: 1 AT 85'-3", 2 AT 86'-0", 1 AT 85'-3" AND 1 AT 40'-3", NO SKEW, 34'-0" CLEAR ROADWAY, ON U.S.41 NB OVER CHEATAM SLOUGH

NO.	LOD ADDDOMAL		AMAL ENGINEER	10/31/16 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE AS NOTED VERTICAL SCALE AS NOTED	0	BRIDGE FILE 41-82-49970 ESIGNATION 9620260	2	5605
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SONAL ENGINEER	CHECKED:	M. MATEL	CHECKED:	M. MATEL	EXISTING STRUCTURE	CONTRACT		PROJECT		S NO
·/////////////////////////////////////	CHECKED!		CILCREDI			B-33539		9620260		BF





EXISTING SECTION "A-A"

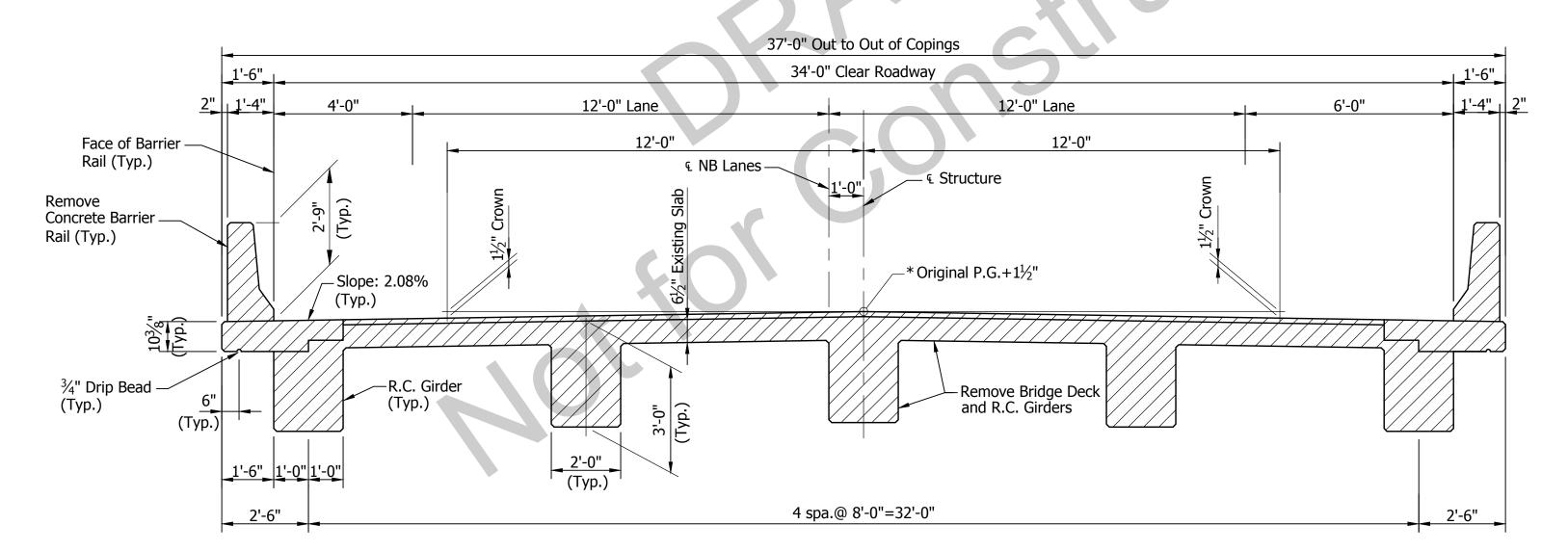
SPANS "A" THRU "D"

NORTHBOUND STRUCTURE

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

Note: Hatched Areas indicate Portions to be Removed.

*Original Plans dated July 17th, 1963



EXISTING SECTION "A-A"

SPAN "E"

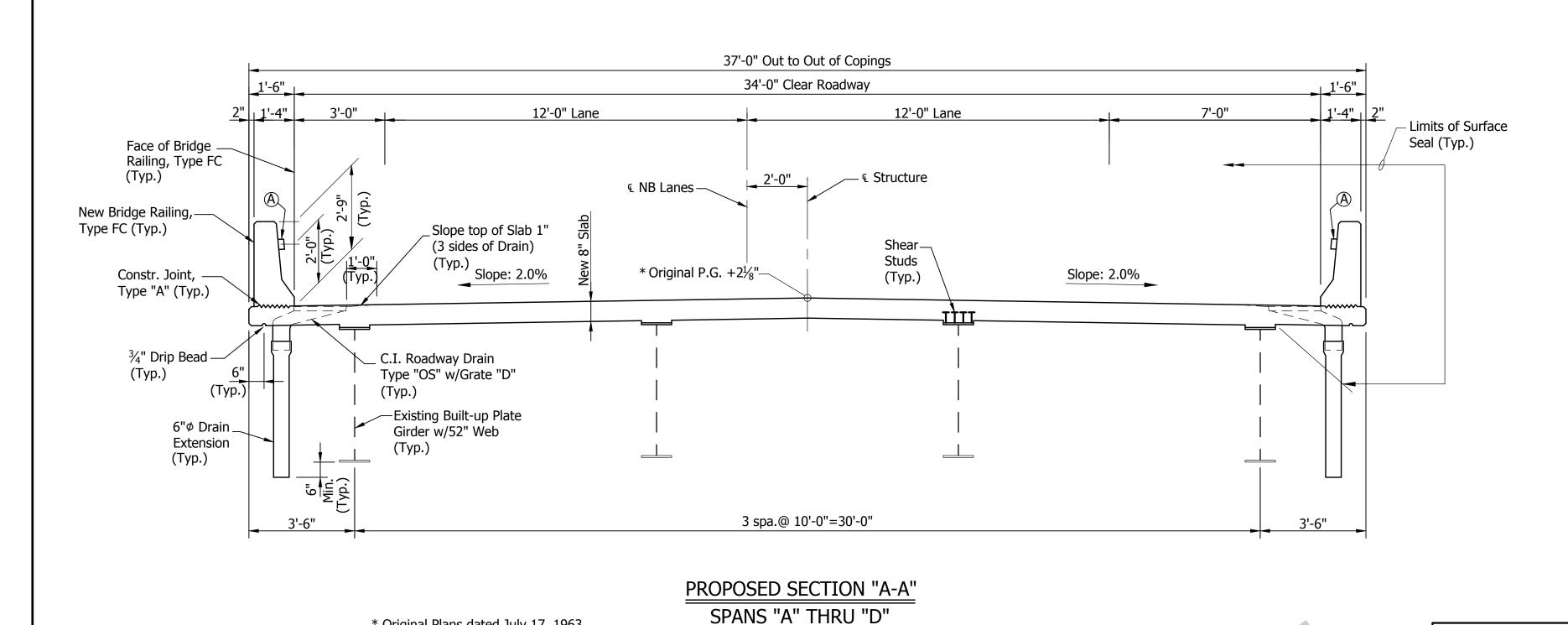
NORTHBOUND STRUCTURE

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

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RECOMMENDED FOR APPROVAL:	Muk		, 10/31/16
	DESIGN E	NGINEER	DATE
DESIGNED:	D. SHEETZ	DRAWN:	D. SHEETZ
CHECKED:	M. MATEL	CHECKED:	M. MATEL

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DEPARTMENT OF TRANSPORTATION	VERTICAL SCALE	DESIGNATION
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	B-33539	9620260

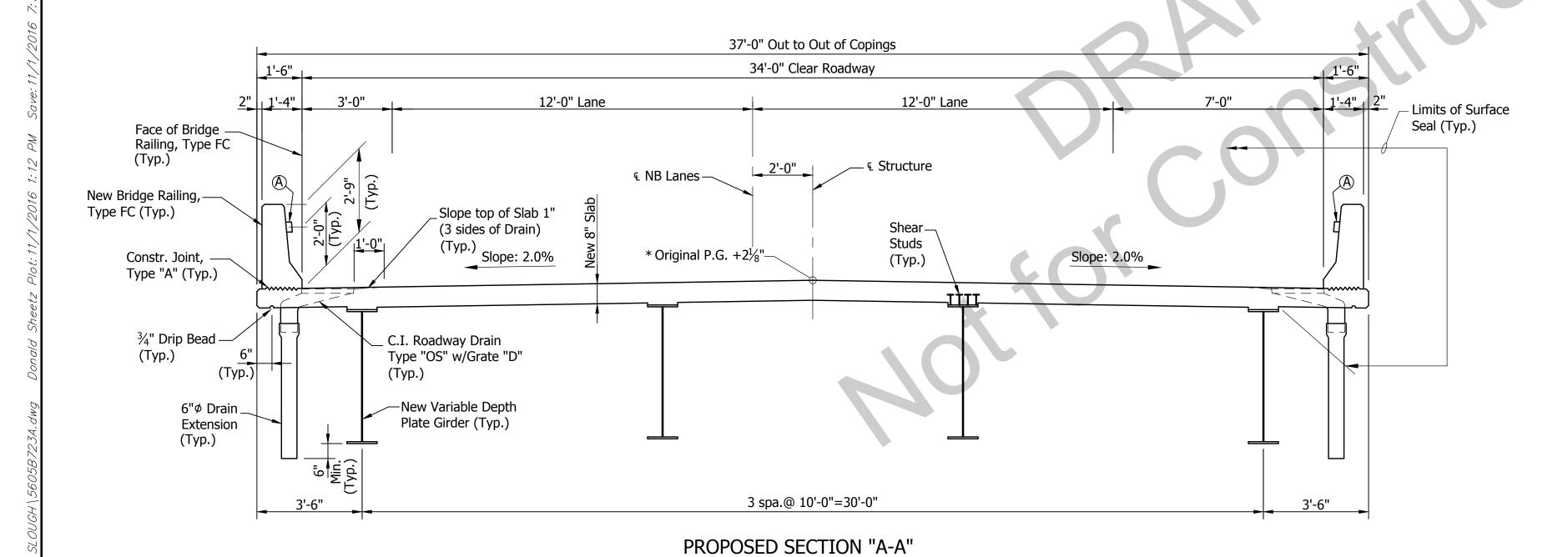


NORTHBOUND STRUCTURE

(A) Barrier Delineators (a) 40'-0" Max. Spacing

* Original Plans dated July 17, 1963

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



SPAN "E"

NORTHBOUND STRUCTURE

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

GENERAL NOTES

Plans for the existing structure are on file with the Indiana Department of Transportation as Structure No. 41-A-4997 and Bridge Files: 41-93-4997A, 41-93-4997B 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 unless otherwise shown.

Reinforcing bars covering shall be $2\frac{1}{2}$ " in top of approach slabs.

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 top portions of the end bents and wingwalls as noted, floor slab and barrier railings.

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

Chamfer exposed corners of concrete 1" unless noted.

Surface seal shall be required on various areas of the structure as shown. Estimated quantity = 23060 Sft. (Does not include Concrete Barrier Railing Transitions).

Excavation required for placement of Aggregate for End Bent Backfill at the bridge end bents beyond the limits of Foundation Excavation Unclassified shall not be paid for directly but shall be included in the cost of the Aggregate for End Bent Backfill.

DESIGN DATA

MATERIAL DESIGN STRENGTHS:

Class "C" Concrete F'c = 4,000 p.s.i.Class "A" Concrete F'c = 3,500 p.s.i.Reinforcing Bars (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 deck forms. Slab design with a 1/2" wearing surface and a structural depth of 7-1/2".

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 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 centered with the finishing machine.

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

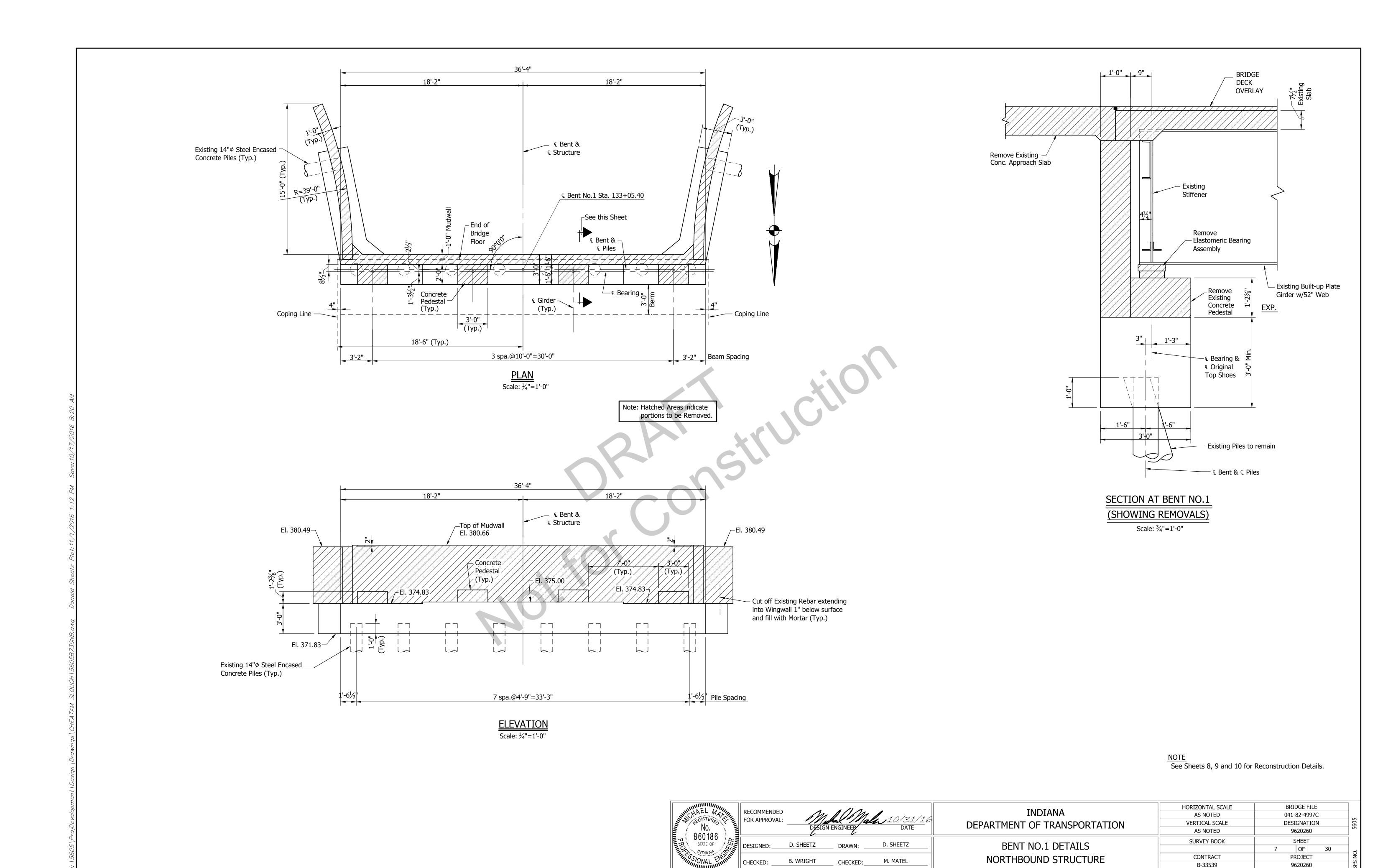
WIND LOAD: Designed for 70 mph horizontal wind loading in accordance with LRFD 3.8.1.

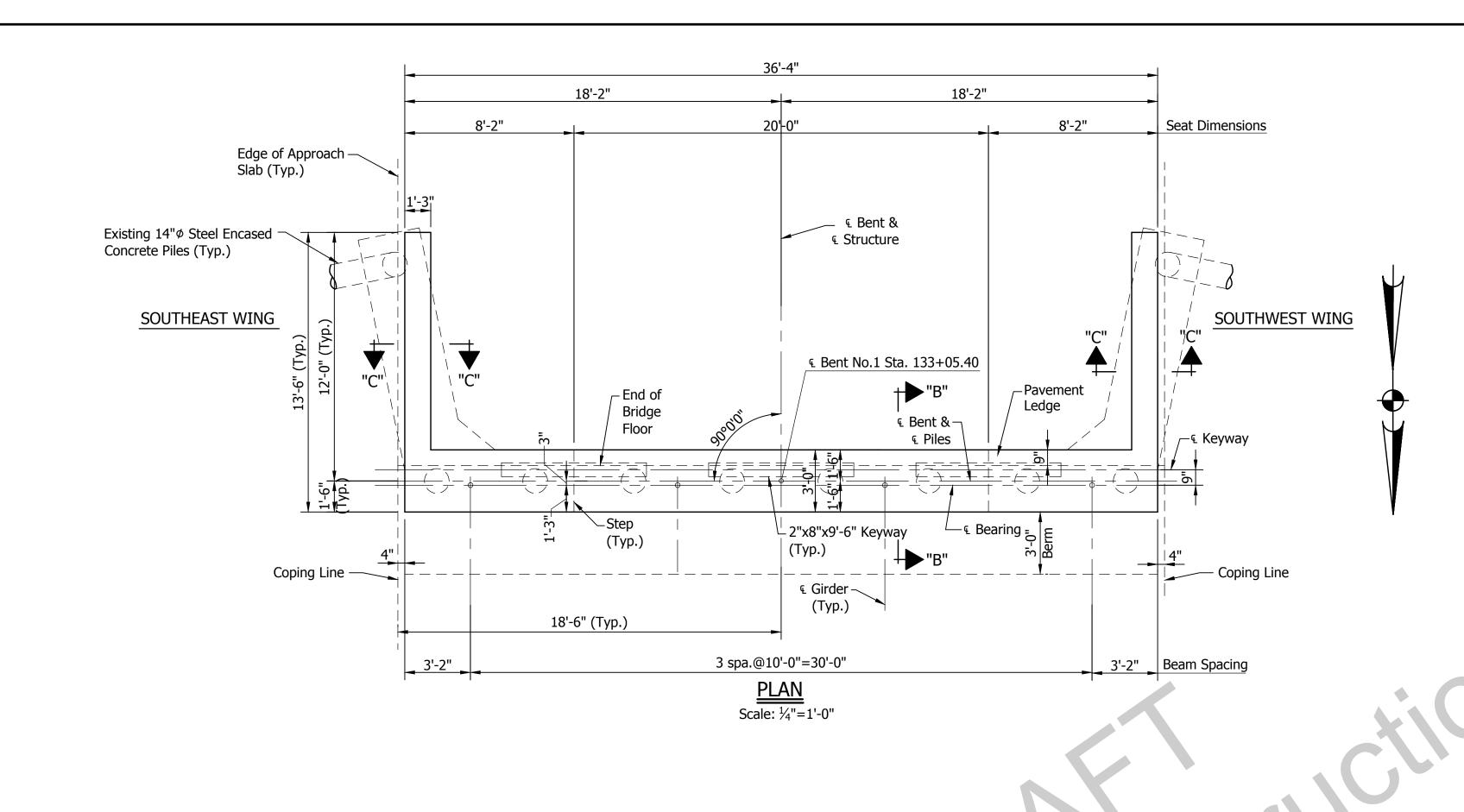
SEISMIC DATA AASHTO LRFD Bridge Design Specifications, 6th Edition, 2012. Seismic Zone 2 $S_{D1} = 0.257$ Site Class D

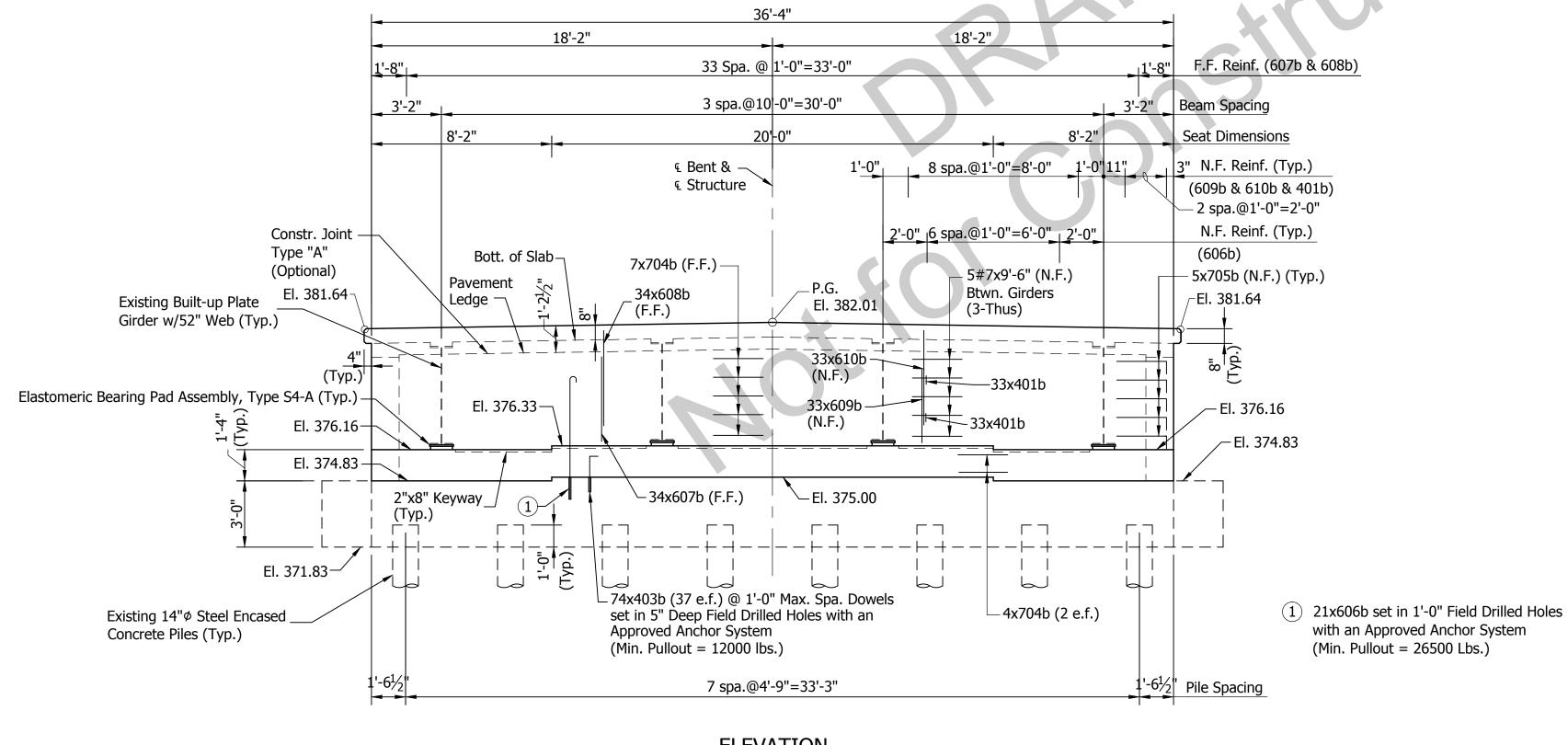


RECOMMENDED FOR APPROVAL:	DESIGN E		10/31/1 DATE
DESIGNED:	D. SHEETZ	DRAWN:	D. SHEETZ
CHECKED:	M. MATEL	CHECKED:	M. MATEL

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TYPICAL SECTIONS	CONTRACT	PROJECT
	B-33539	9620260







ELEVATION
Scale: ½"=1'-0"

RECOMMENDED FOR APPROVAL:

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WDIANA

CHECKED:

B. WRIGHT

CHECKED:

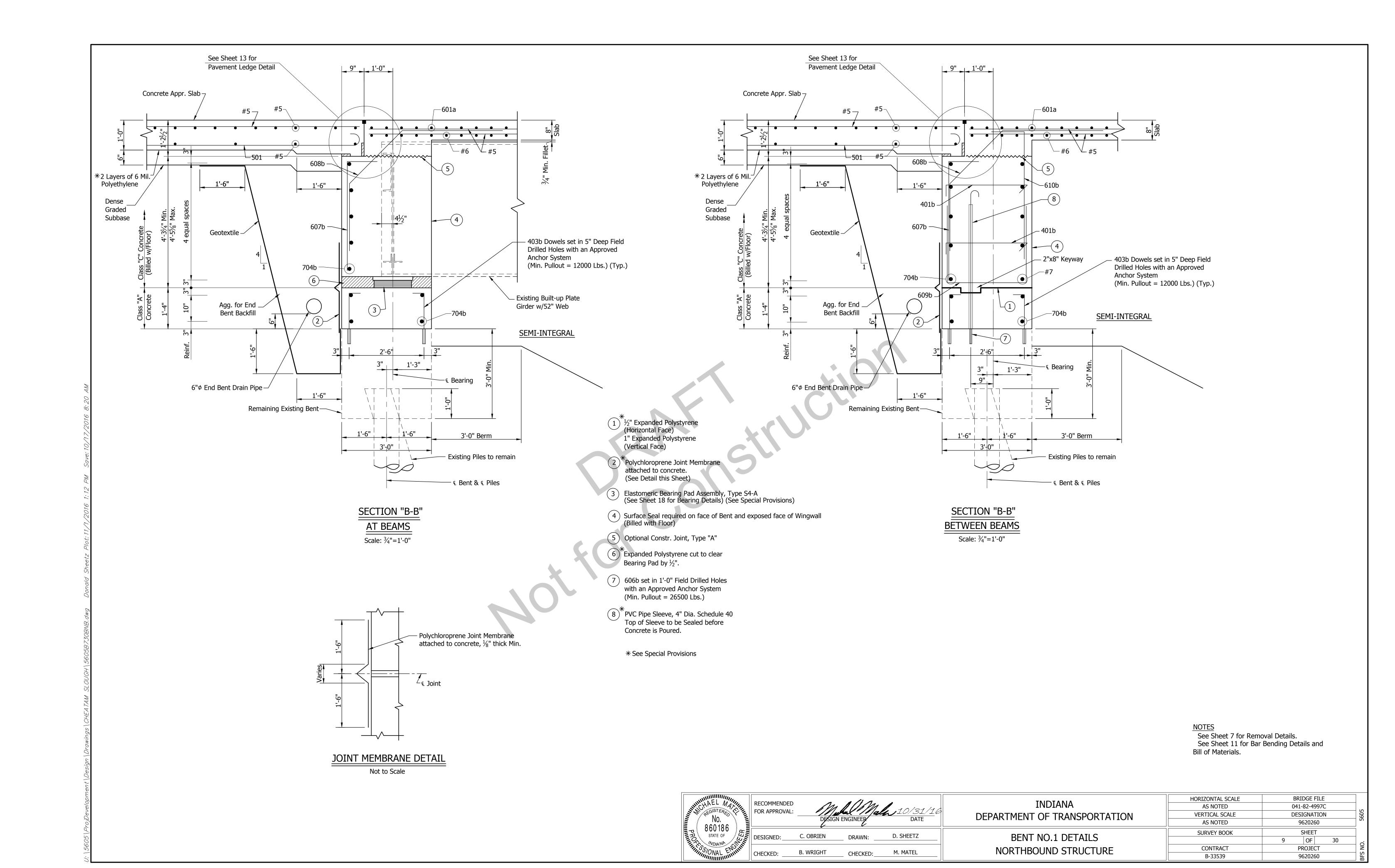
M. MATEL

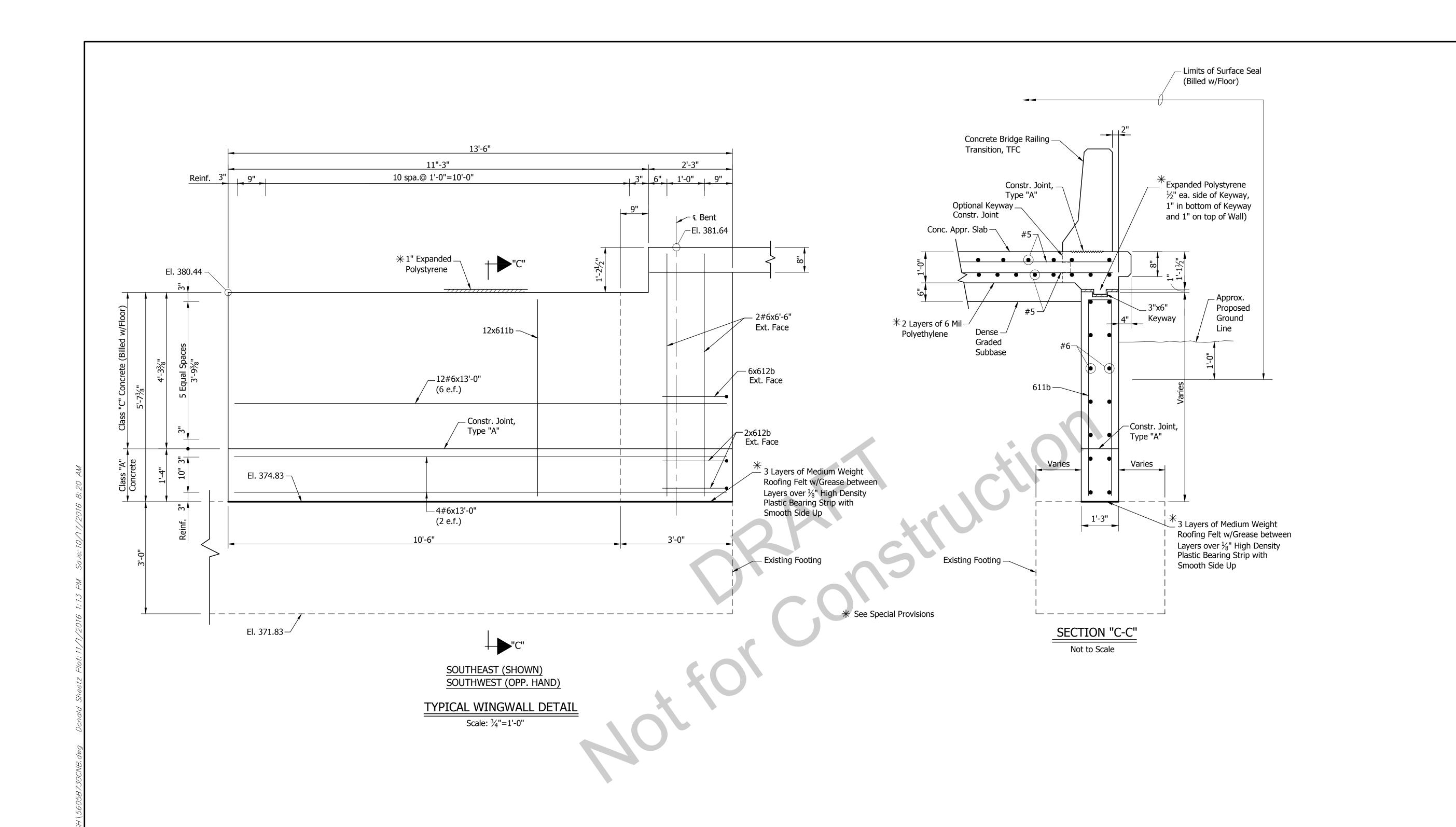
BRIDGE FILE HORIZONTAL SCALE INDIANA AS NOTED 041-82-4997C DEPARTMENT OF TRANSPORTATION VERTICAL SCALE DESIGNATION 9620260 AS NOTED SURVEY BOOK SHEET BENT NO.1 DETAILS OF 30 NORTHBOUND STRUCTURE CONTRACT PROJECT B-33539 9620260

See Sheet 7 for Removal Details.

Bill of Materials.

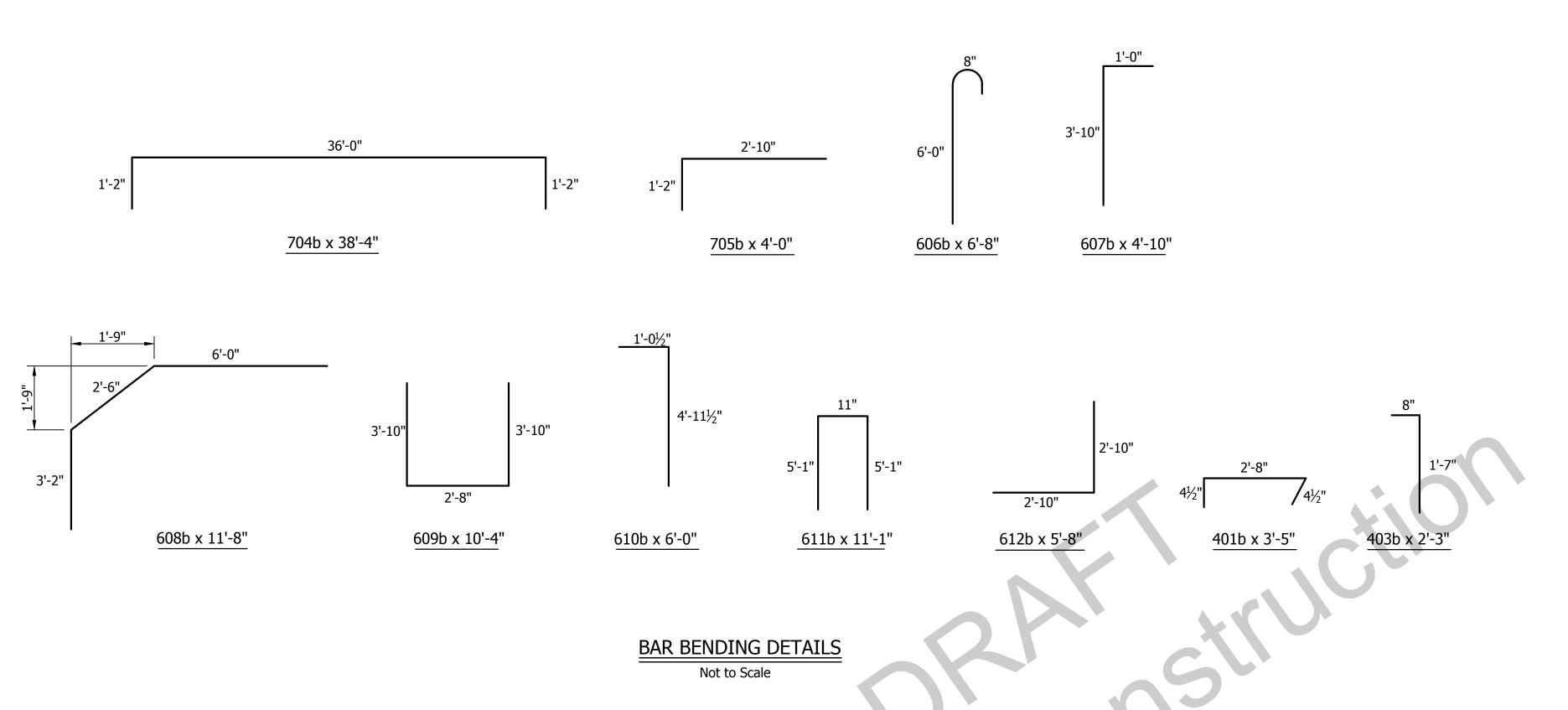
See Sheet 9 for Section "B-B".
See Sheet 10 for Wingwall Details and Section "C-C".
See Sheet 11 for Bar Bending Details and





NOTES
See Sheet 7 for Removal Details.
See Sheet 11 for Bar Bending Details and Bill of Materials.

NO.	ECOMMENDED DR APPROVAL:	DESIGN ENGINEER	10/31/16 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE AS NOTED VERTICAL SCALE AS NOTED	BRIDGE FILE 041-82-4997C DESIGNATION 9620260	5605
STATE OF DE	ESIGNED: C. O	BRIEN DRAWN:	D. SHEETZ	BENT NO.1 DETAILS	SURVEY BOOK	SHEET 10 OF 30	
STATE OF DE CH	CHECKED: B. WRIGHT CHECKED: M. MATEL	NORTHBOUND STRUCTURE	CONTRACT B-33539	PROJECT 9620260	BFS NO		



BILL OF MATERIALS

BENT NO.1

NORTHBOUND STRUCTURE

REINFORCING BARS

Mark or Size	No. of Bars	Length (Ft.)	Weight (Lbs.)
704b	11	38'-4"	
705b	10	4'-0"	
#7	15	9'-6"	
Total #7 (Fr	poxy Coated)		1235
10tal #7 (L)	Joxy Coaled)		1233
606b	21	6'-8"	_
607b	34	4'-10"	
608b	34	11'-8"	
609b	33	10'-4"	
610b	33	6'-0"	
611b	24	11'-1"	
612b	16	5'-8"	
#6	32	13'-0"	
#6	4	6'-6"	
Total #6 (Fr	poxy Coated)		3062
Total # 0 (E)	Joxy Coulcuy		3002
401b	66	3'-5"	_
403b	74	2'-3"	
Total #4 (Ep	ooxy Coated)		262

CONCRETE

Total Steel (Epoxy Coated)

Class "A" in Substructure	6.7 Cy

4559

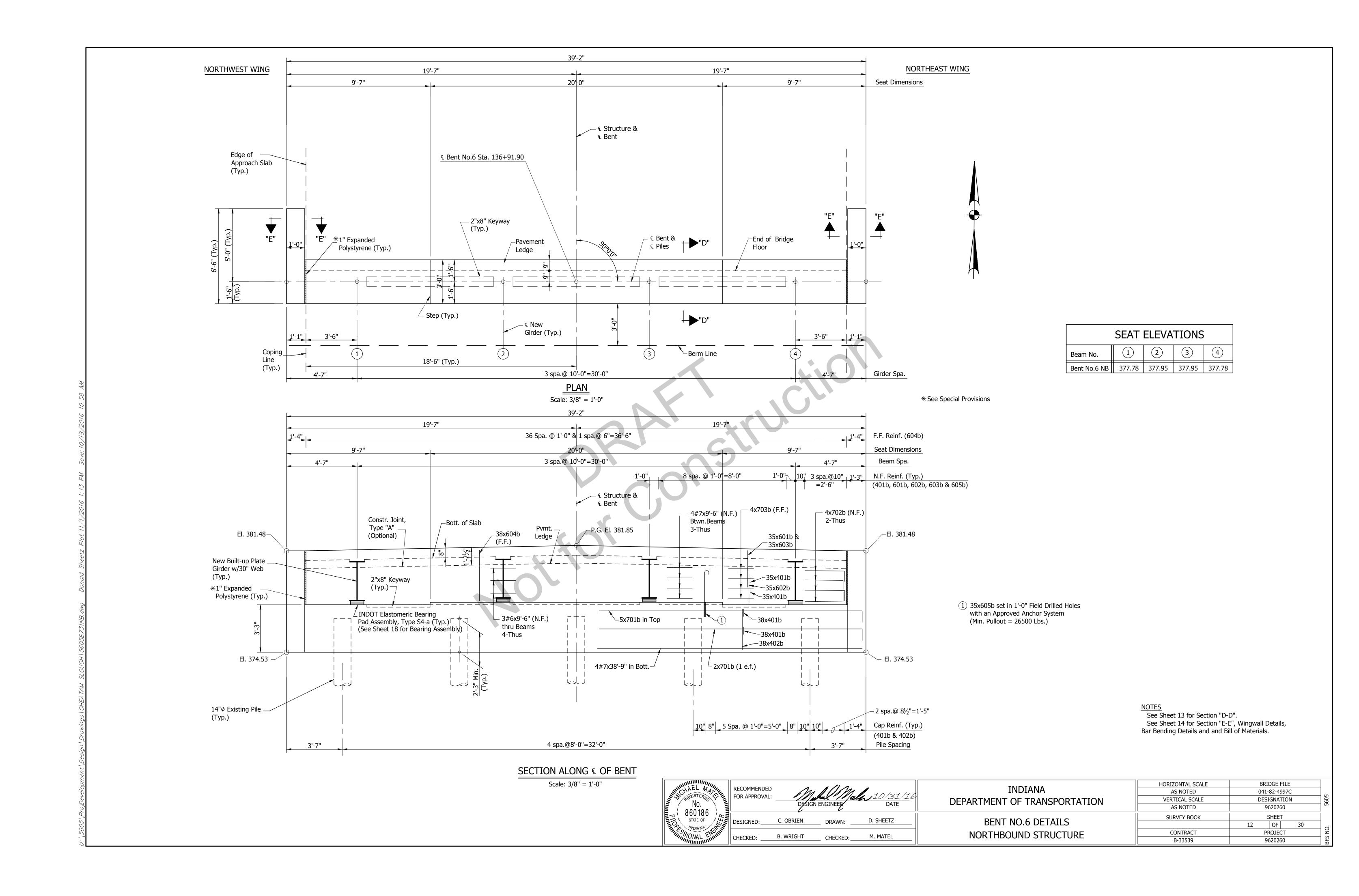
MISCELLANEOUS

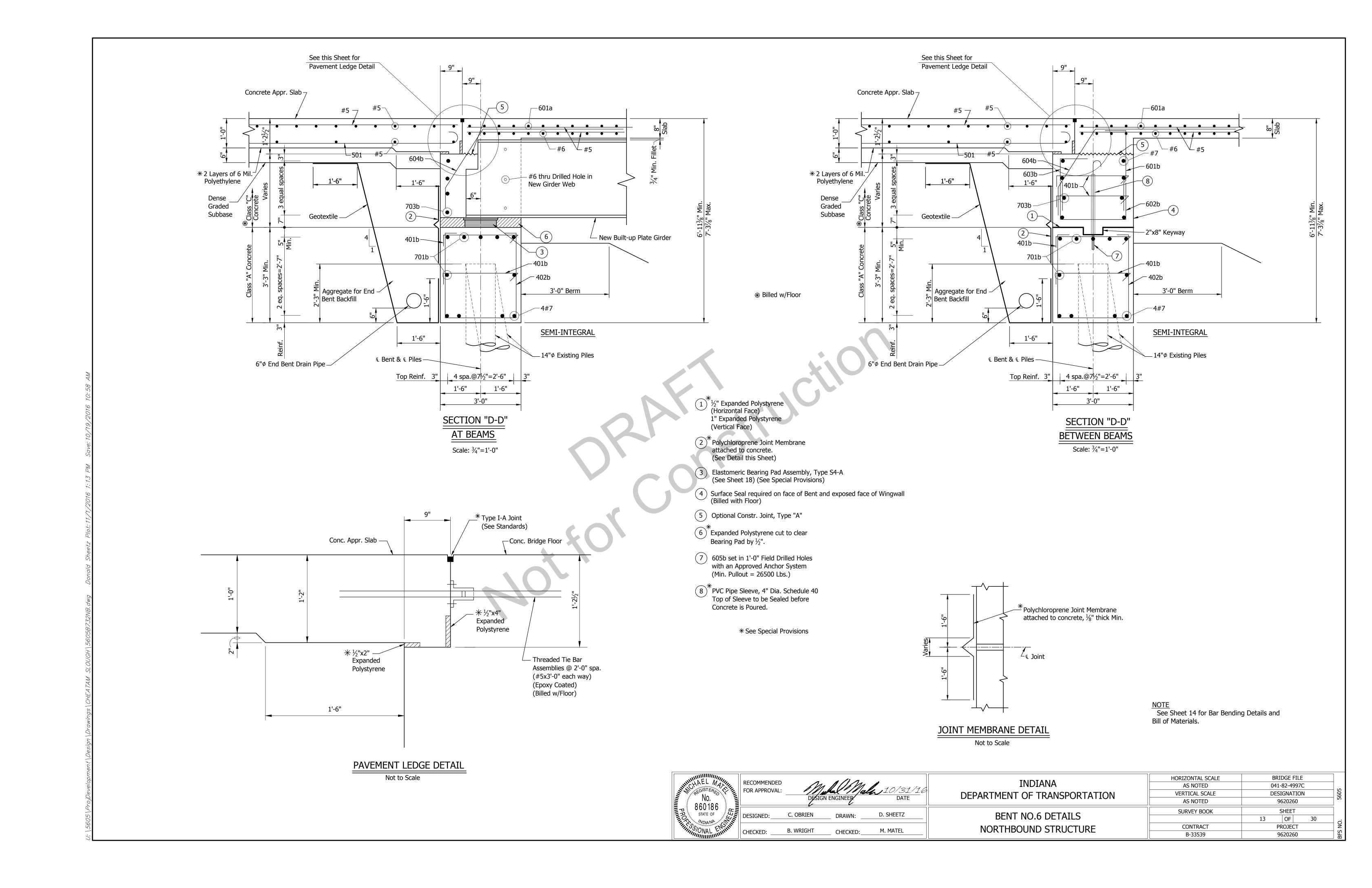
\bigotimes	6"∮ End Bent Drain Pipe	50 Lft.
)	Aggregate for End Bent Backfill	22 Cys.
	Elastomeric Bearing Assembly	4 Each
	Geotextile	45 Sys.
	Field Drilled Holes in Concrete	95 Each

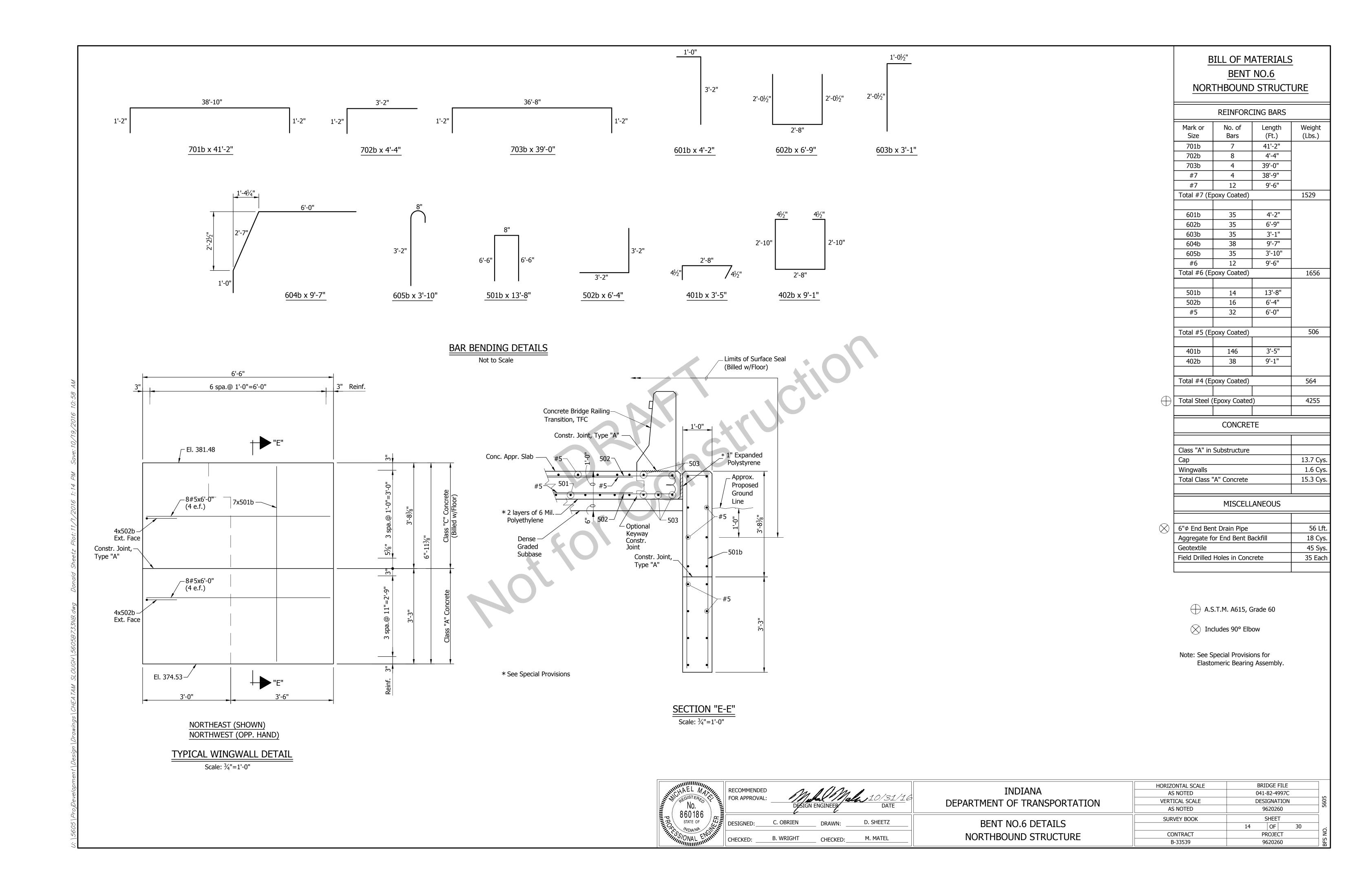
A.S.T.M. A615, Grade 60

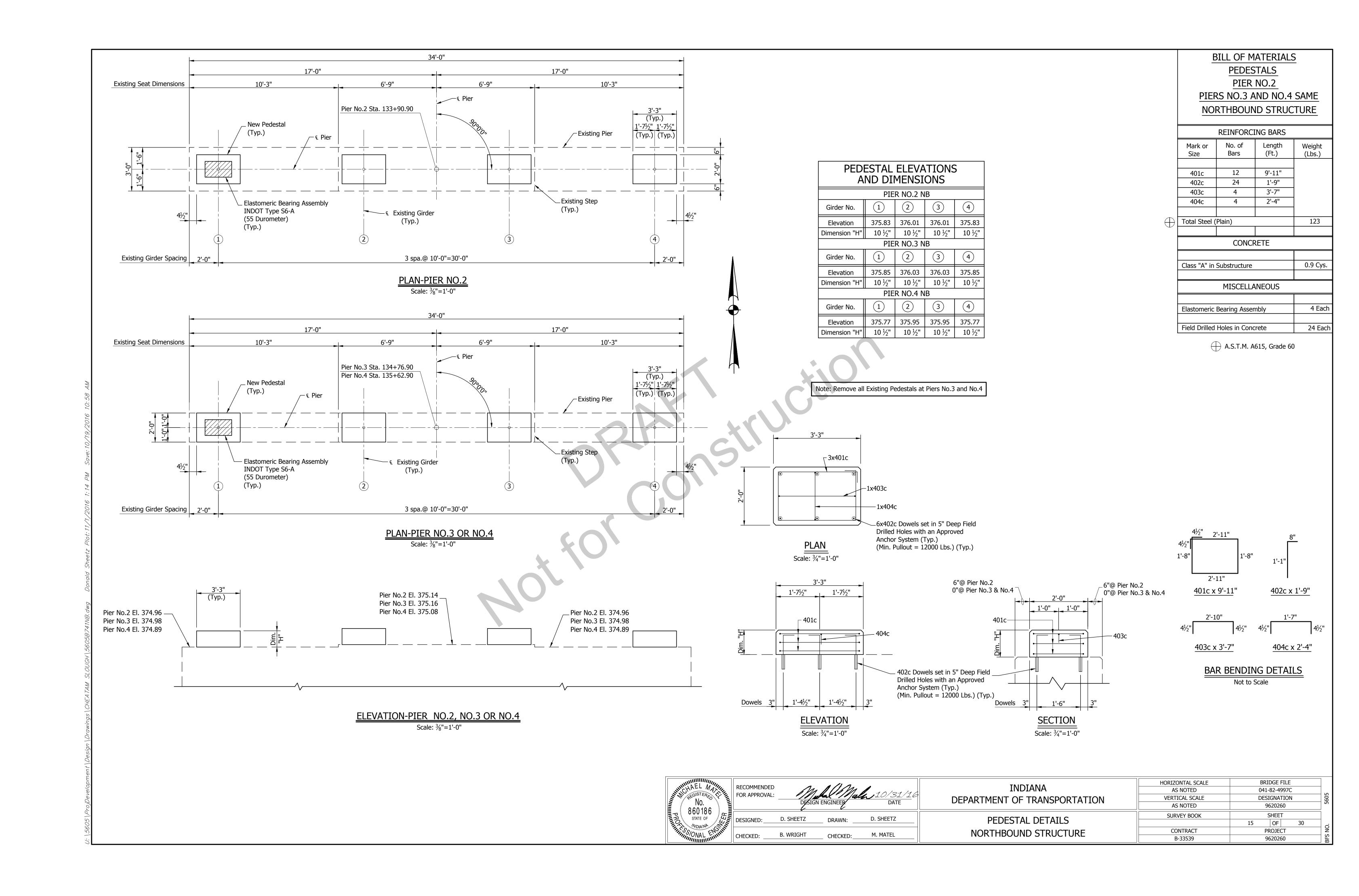
NO. 860186	RECOMMENDED FOR APPROVAL:	DESIGN E		10/31/16 DATE
STATE OF WOLAND	DESIGNED:	C. OBRIEN	DRAWN:	D. SHEETZ
1770 ONAL ENGINE	CHECKED:	B. WRIGHT	CHECKED:	M. MATEL

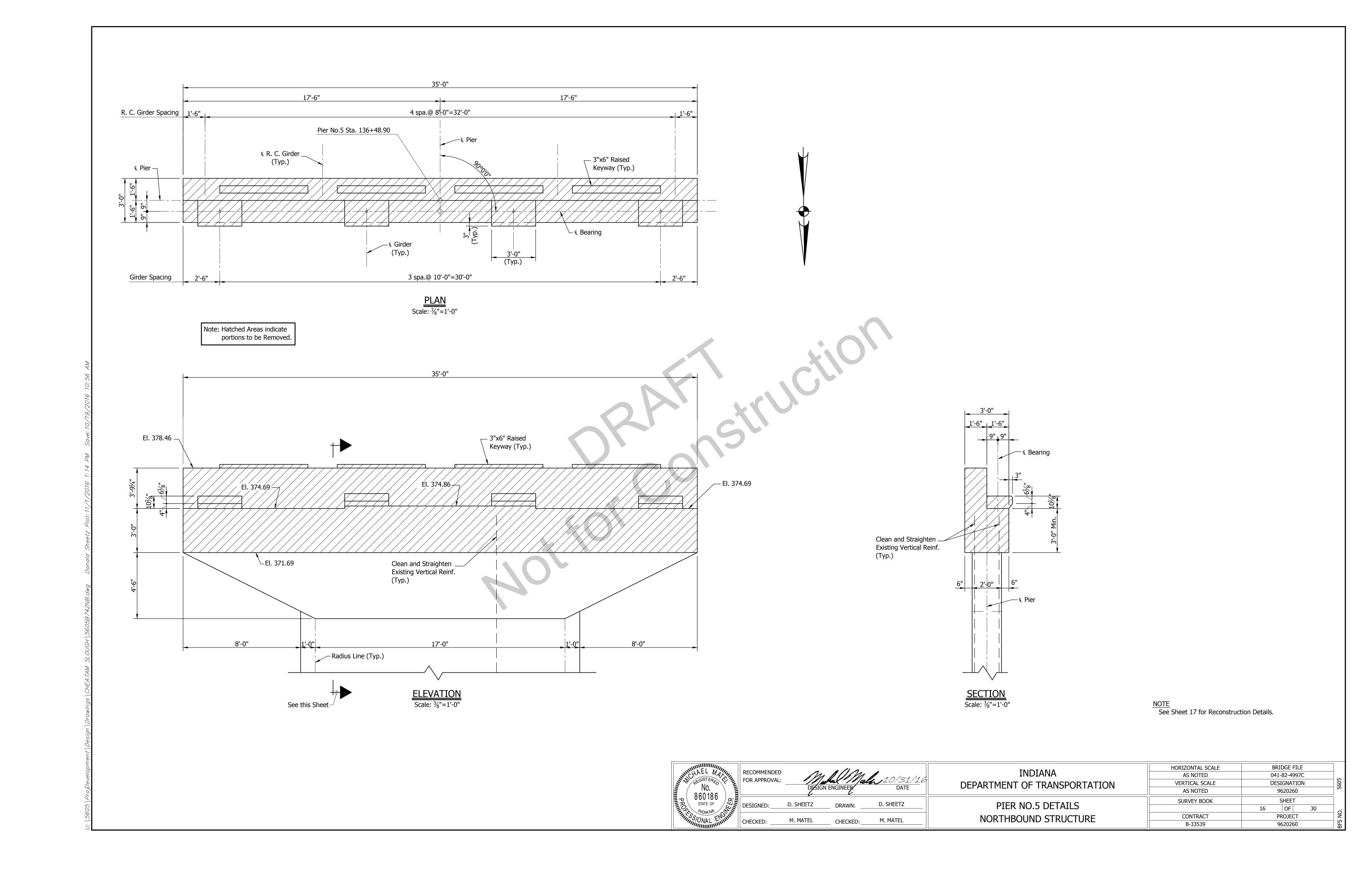
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NORTHBOUND STRUCTURE	CONTRACT	PROJECT		
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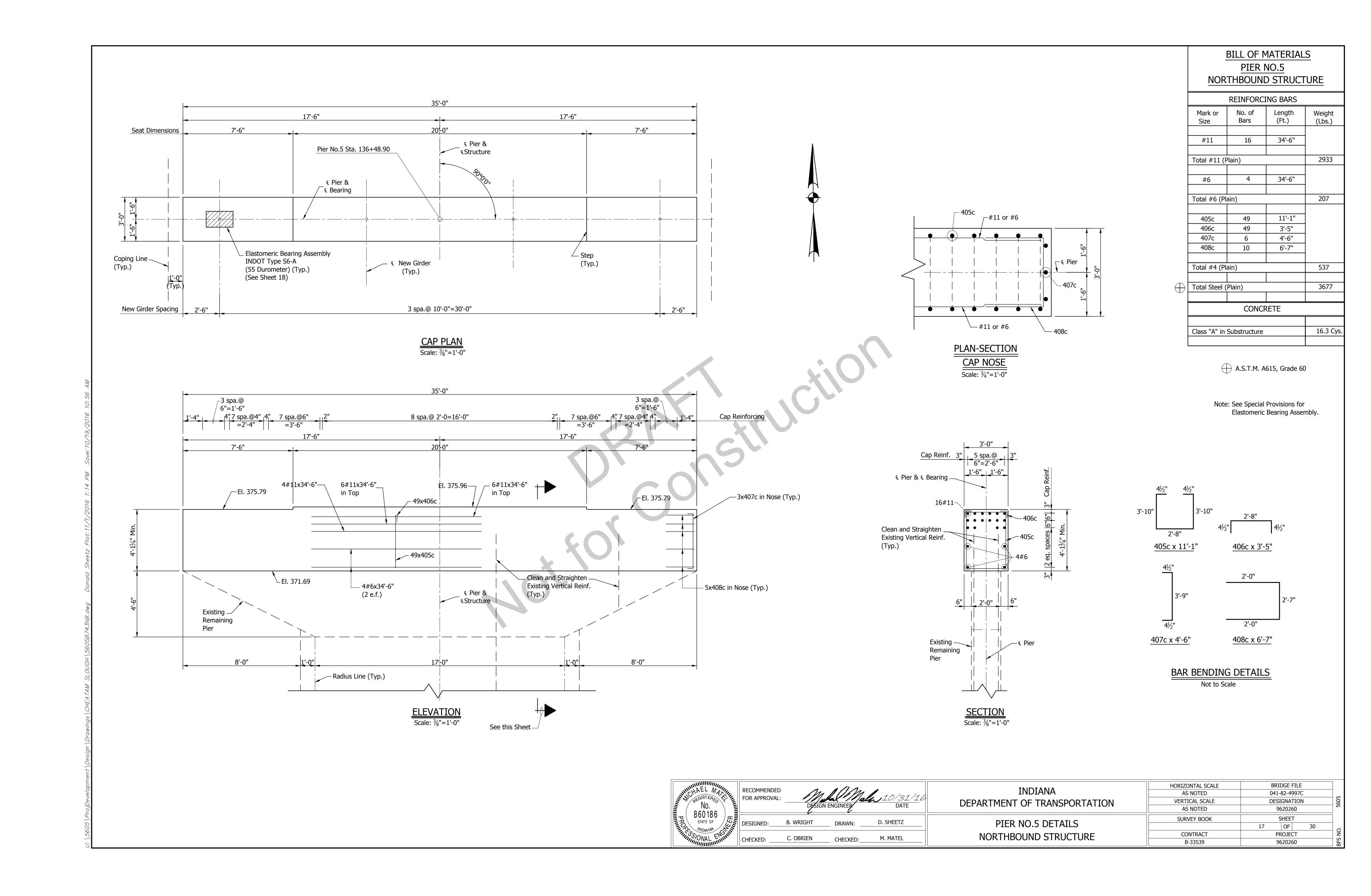


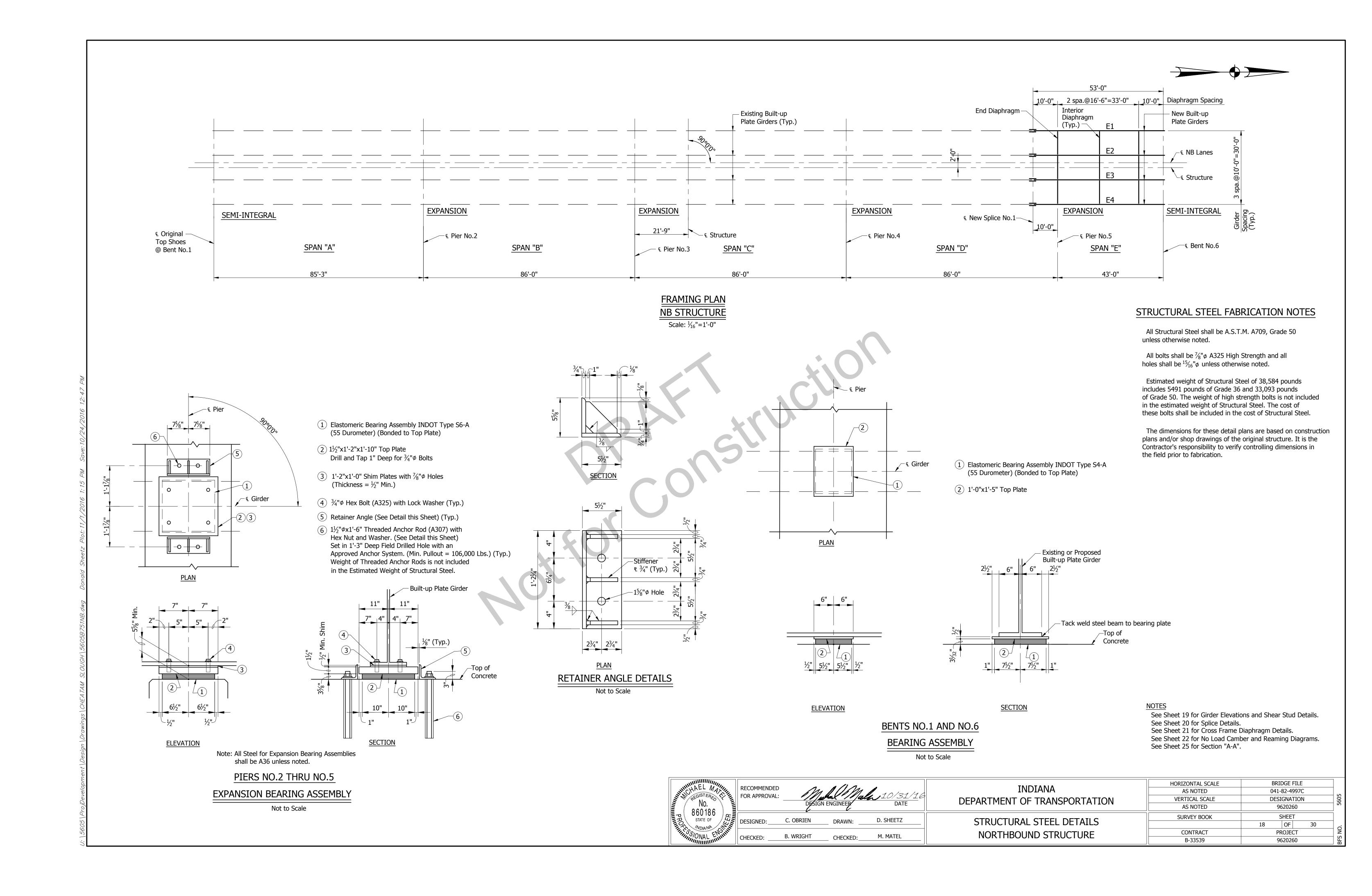


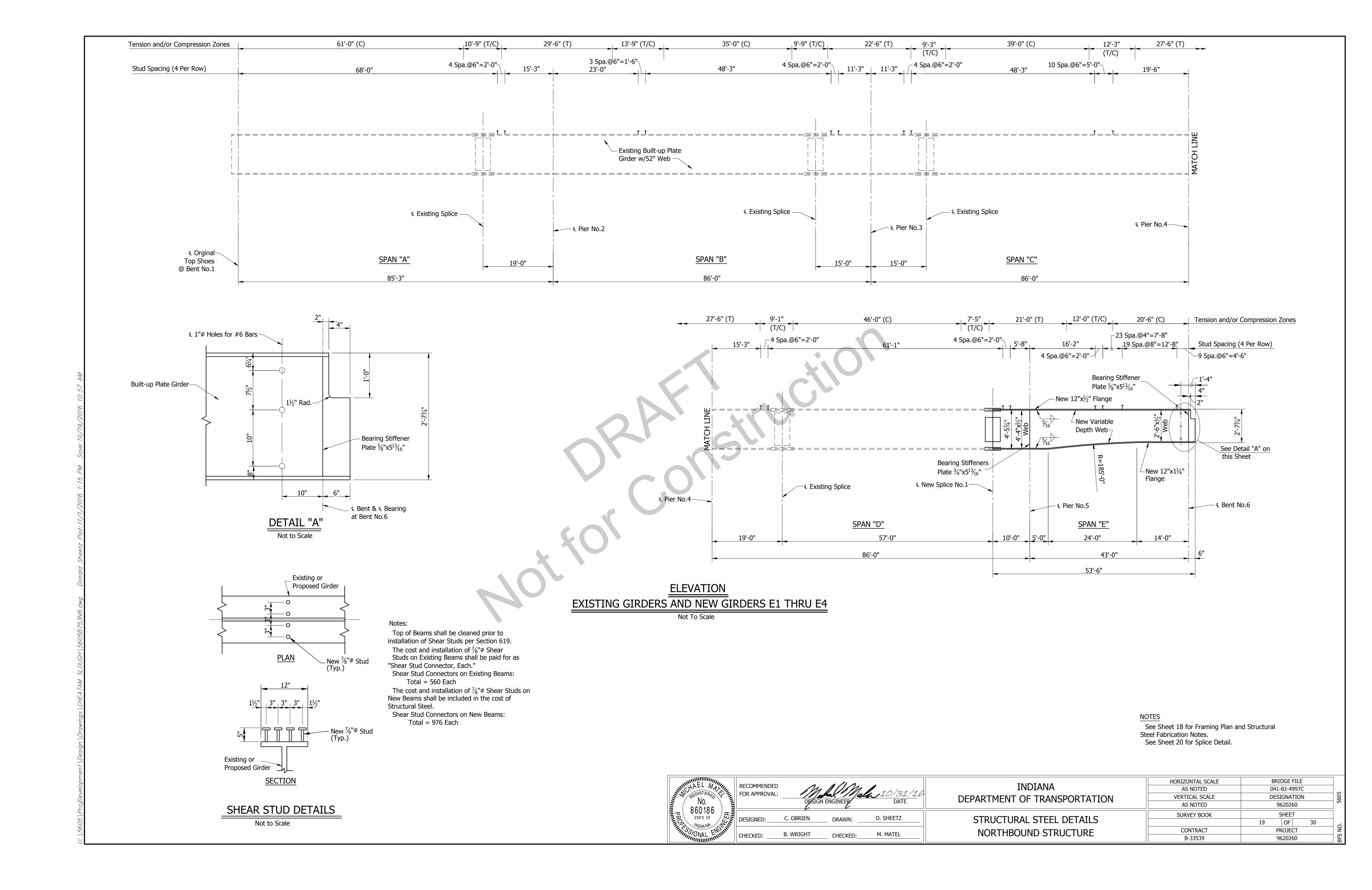


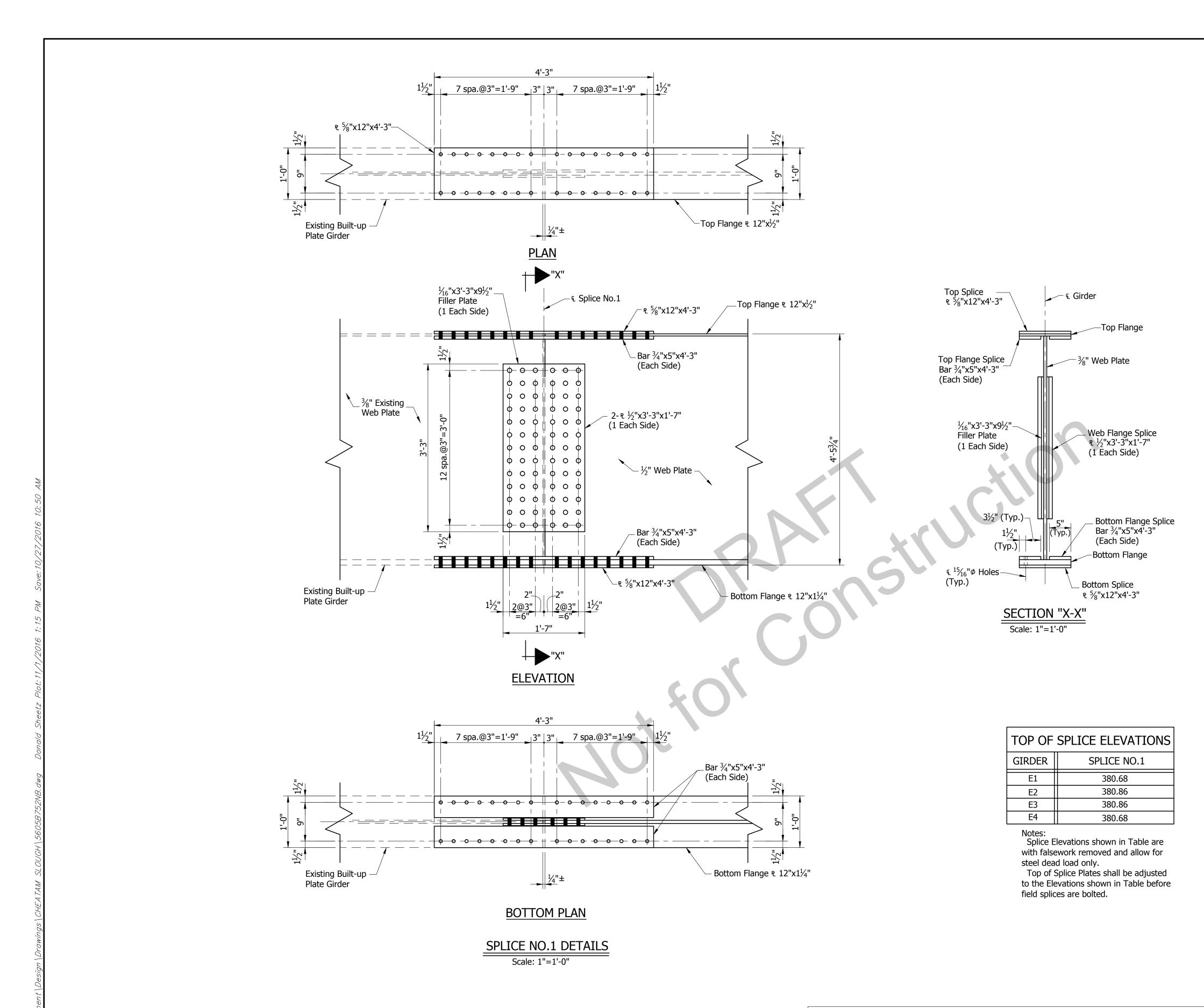












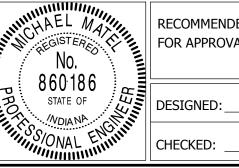
NOTE
See Sheet 18 for Framing Plan and Structural Steel Fabrication Notes.

BRIDGE FILE

041-82-4997C
DESIGNATION
9620260
SHEET
OF

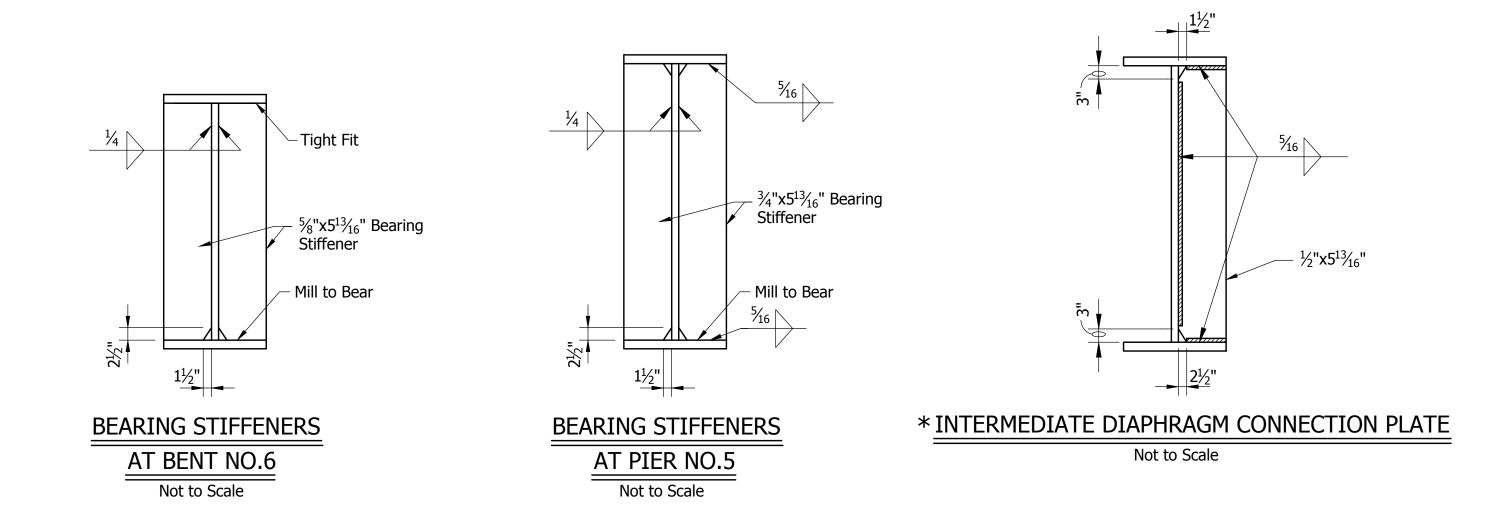
PROJECT 9620260

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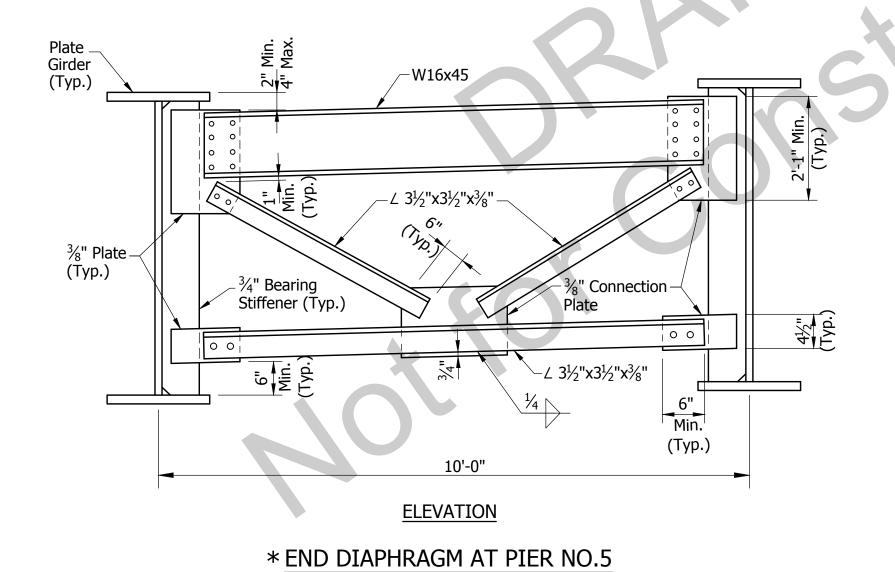


SIGNED: C. OBRIEN DRAWN: D. SHI	0/31/16 DATE
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HECKED: B. WRIGHT CHECKED: M. MA	ATEL

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STRUCTURAL STEEL DETAILS	
NORTHBOUND STRUCTURE	CONTRACT
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* Note: All Structural Steel for the End and Intermediate Diaphragms shall be Grade 36 Steel.



Not to Scale

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1/2" Connection Plate (Typ.)

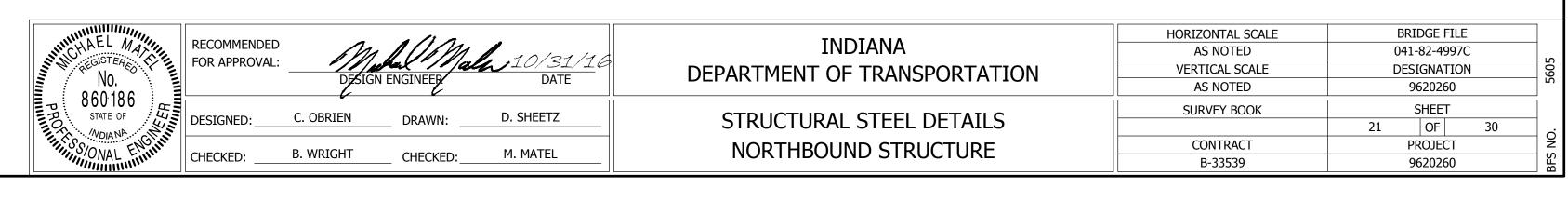
10'-0"

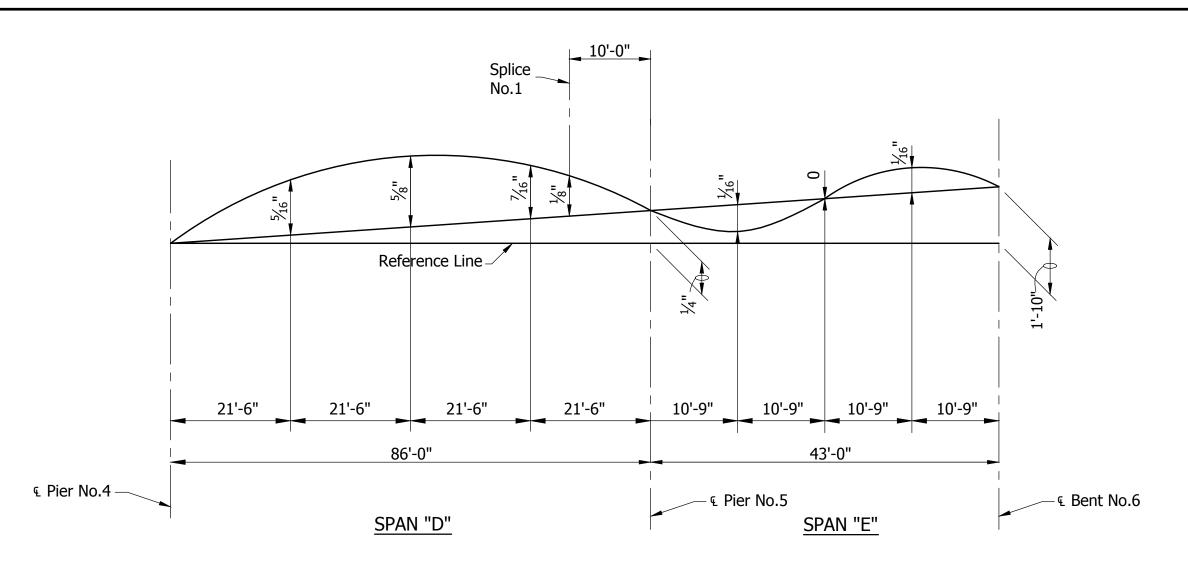
ELEVATION

* INTERMEDIATE DIAPHRAGM

Not to Scale

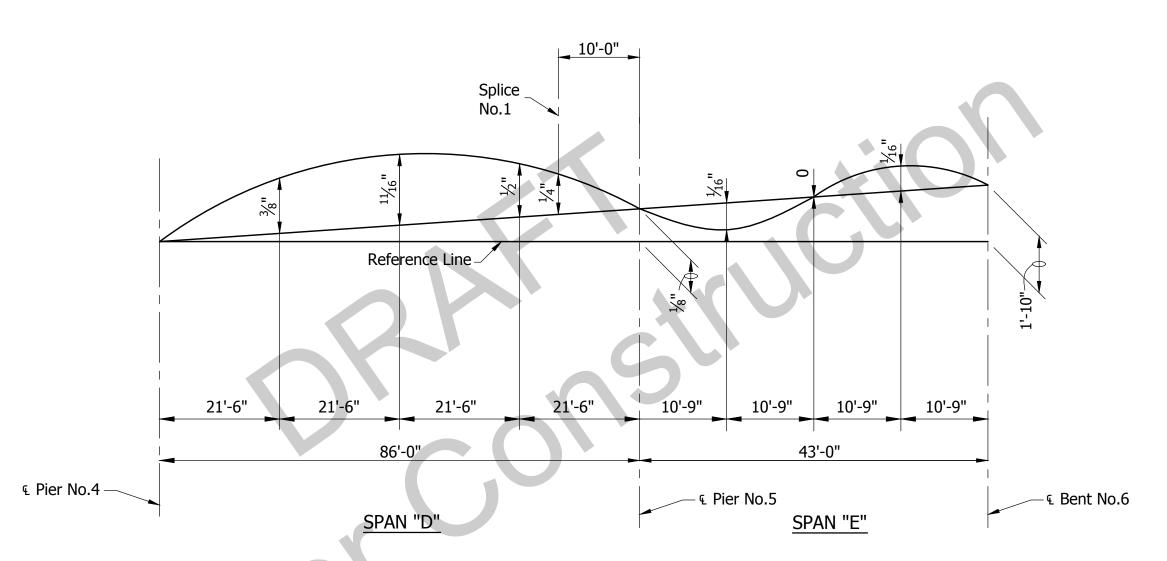
NOTE
See Sheet 18 for Framing Plan and Structural Steel Fabrication Notes.





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)							
		SPAN	N "D"		SPAN "E"		
	⅓ PT.	½ PT.	³⁄₄ PT.	€ Splice No.1	⅓ PT.	½ PT.	³⁄₄ PT.
DEAD LOAD STEEL	1/16"	1/16"	1/16"	½16"	0	0	0
DEAD LOAD CONCRETE	1/4"	9/16"	3/8"	½16"	- ¹ ⁄ ₁₆ "	0	½16"
SUBTOTAL	⁵ / ₁₆ "	5/"	7/16"	1/8"	- ¹ / ₁₆ "	0	½16"
VERTICAL CURVE	0	0	0	0	0	0	0
TOTAL	⁵ / ₁₆ "	5/8"	7/16"	1/8"	- ¹ / ₁₆ "	0	½16"

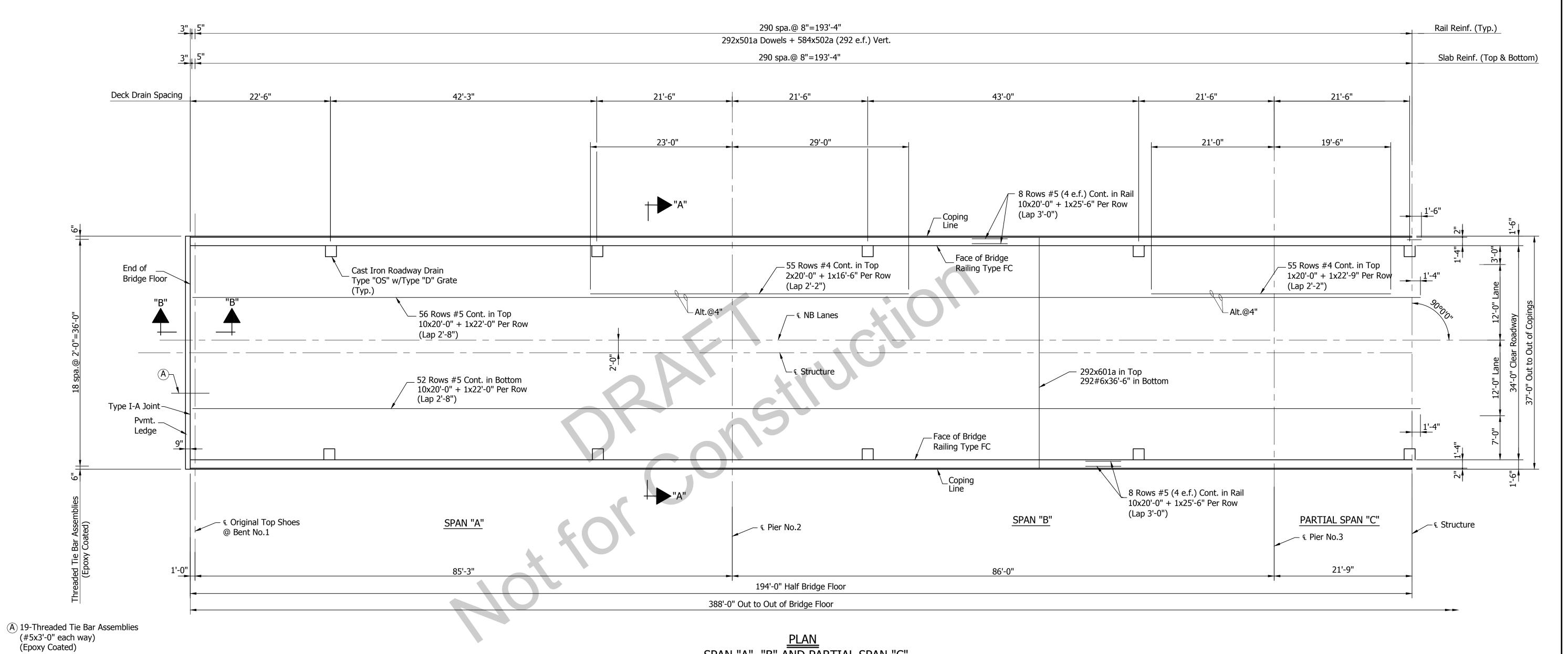
TABLE OF CAMBERS (INTERIOR GIRDERS)							
		SPAN	l "D"			SPAN "E"	
	⅓ PT.	½ PT.	³⁄₄ PT.	€ Splice No.1	⅓ PT.	½ PT.	¾ PT.
DEAD LOAD STEEL	1/16"	1/16"	1/16"	1/8"	0	0	0
DEAD LOAD CONCRETE	5/16"	5/8"	⁷ / ₁₆ "	1/8"	- ¹ / ₁₆ "	0	½6"
SUBTOTAL	3/8"	¹¹ / ₁₆ "	1/2"	1/4"	- ¹ / ₁₆ "	0	½"
VERTICAL CURVE	0	0	0	0	0	0	0
TOTAL	3/8"	¹¹ / ₁₆ "	1/2"	1/4"	- ¹ / ₁₆ "	0	½6"

NO. 860186 STATE OF MOIANA MOIANA	
860186 STATE OF WOLAND	I
STATE OF WOMANA	(

RECOMMENDED FOR APPROVAL:	DESI	Male Male GN ENGINEER	10/31/2 DATE
DESIGNED:	C. OBRIEN	DRAWN:	D. SHEETZ
CHECKED:	B. WRIGHT	CHECKED:	M. MATEL

TAIDTANIA	HORIZONTAL SCALE	BF	RIDGE FILE	
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STRUCTURAL STEEL DETAILS		22	OF	30
NORTHBOUND STRUCTURE	CONTRACT		PROJECT	
NORTHBOOKB STRUCTURE	B-33539		9620260	



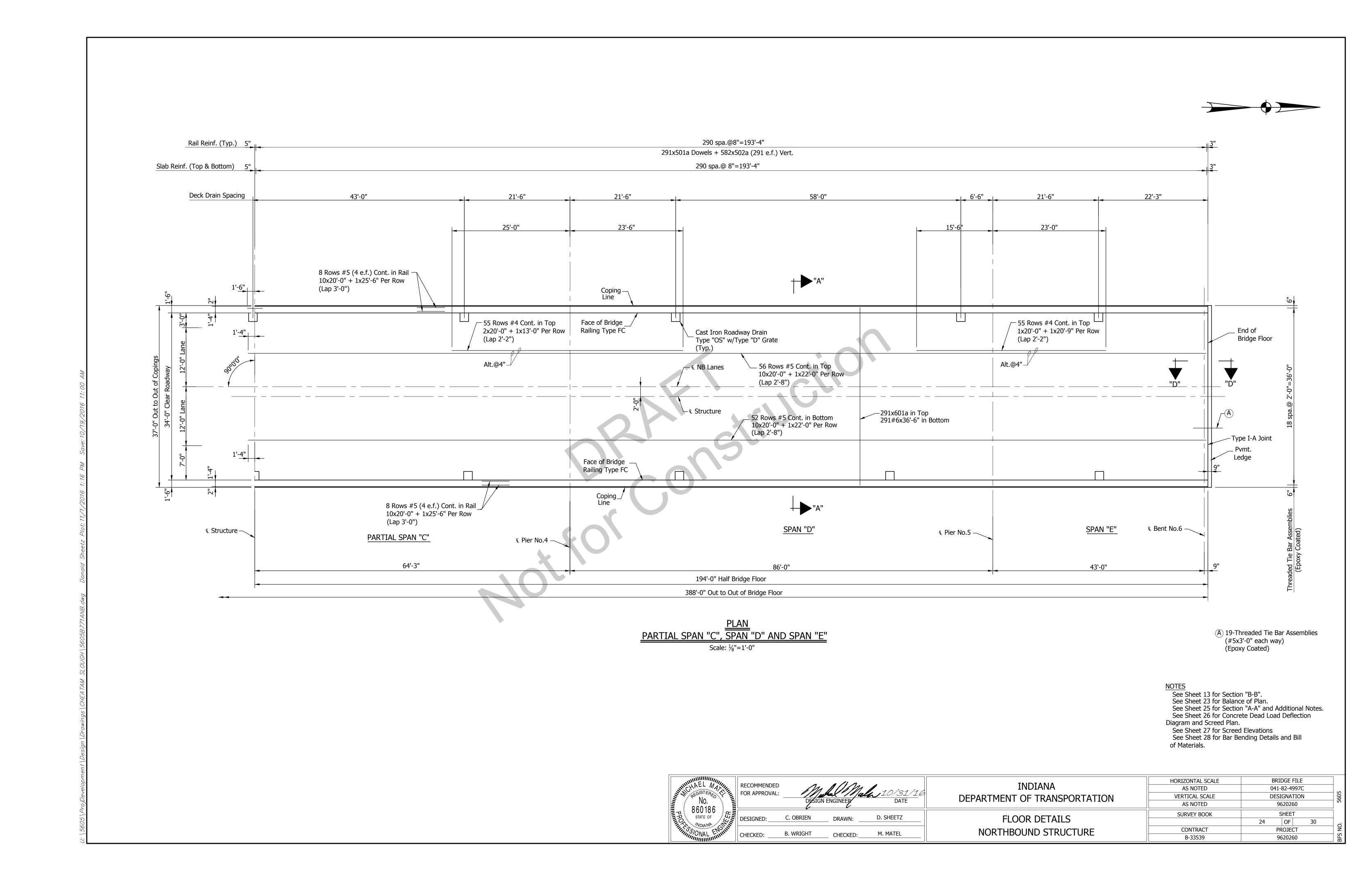


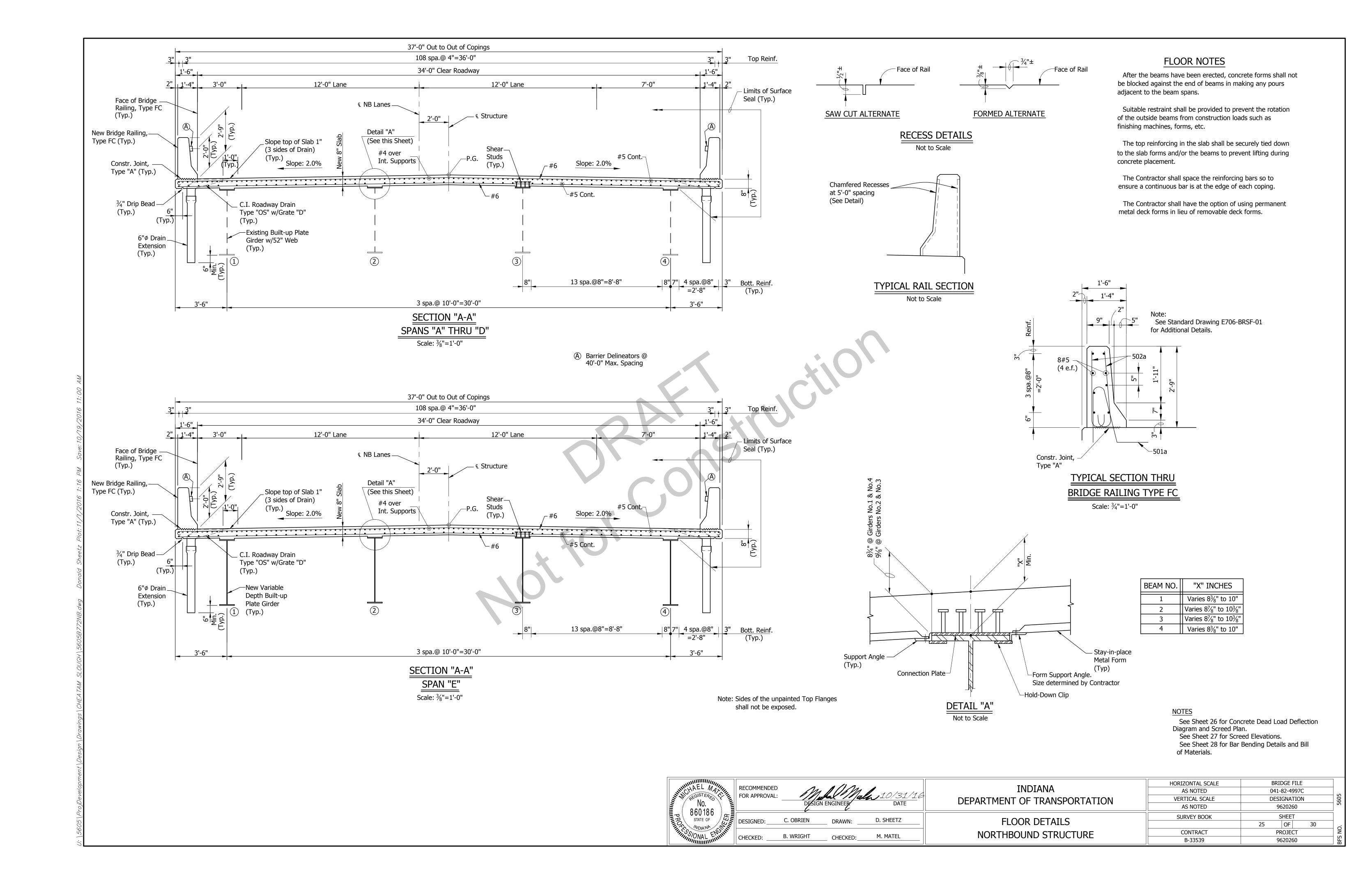
PLAN
SPAN "A", "B" AND PARTIAL SPAN "C"
Scale: ½"=1'-0"

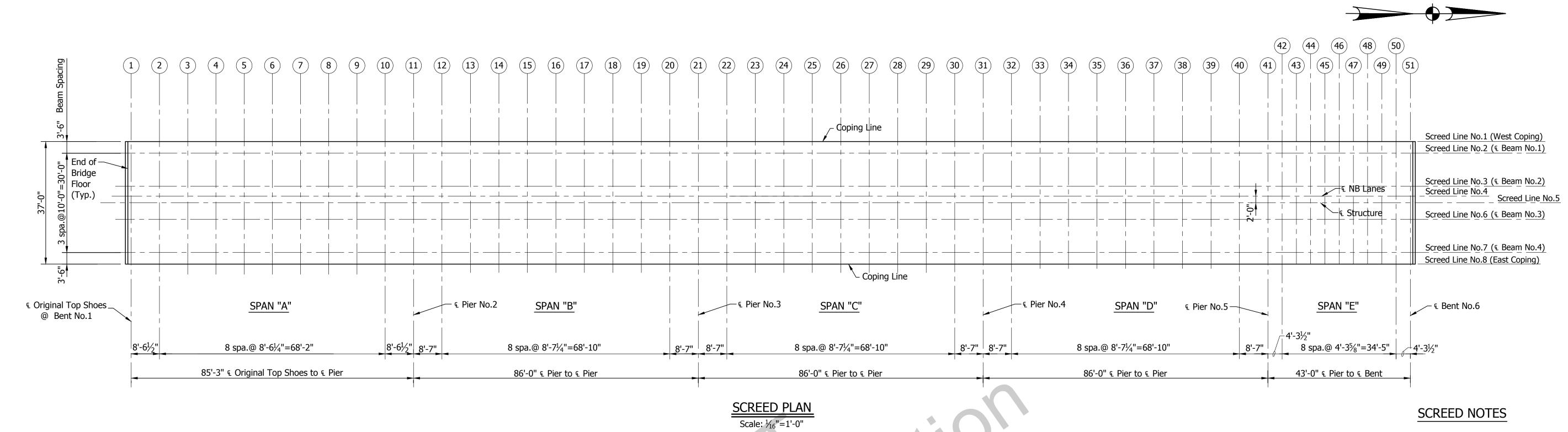
NOTES

See Sheet 9 for Section "B-B".
See Sheet 24 for Balance of Plan.
See Sheet 25 for Section "A-A" and Additional Notes.
See Sheet 26 for Concrete Dead Load Deflection
Diagram and Screed Plan.
See Sheet 27 for Screed Elevations
See Sheet 28 for Bar Bending Details and Bill of Materials.

RECOMMENDED FOR APPROVAL: NO. DESIGN ENGINEE	Mal 10/31/16 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE AS NOTED VERTICAL SCALE AS NOTED	BRIDGE FILE 041-82-4997C DESIGNATION 9620260	
O O O I O O DESIGNED: C. OBRIEN DRAW	N: D. SHEETZ	FLOOR DETAILS	SURVEY BOOK	SHEET 23 OF 30	
DESIGNED: C. OBRIEN DRAW CHECKED: B. WRIGHT CHECK	(ED: M. MATEL	NORTHBOUND STRUCTURE	CONTRACT B-33539	PROJECT 9620260	





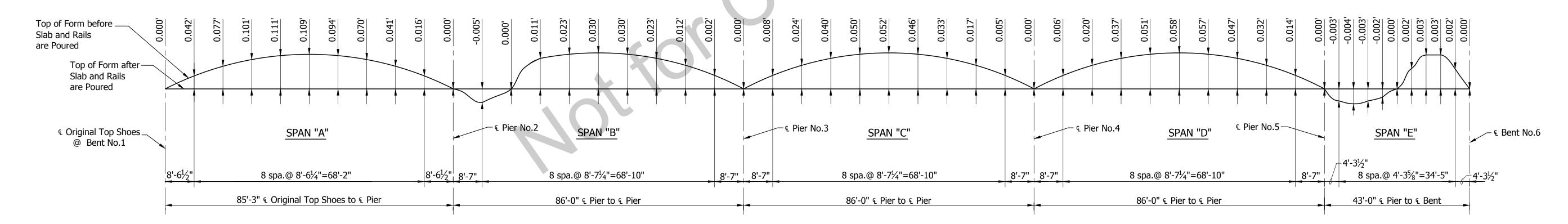


Screed elevations will be given for setting screeds and coping forms so that the slab and copings will be at the required elevations after all the concrete has been poured.

Take elevations at the screed and coping points on top of adjacent beams, subtract these elevations from the given elevations and use resulting dimensions as the height for setting the screed or coping forms above that point. This dimension remains unchanged regardless of how much or what order the concrete is poured.

No concrete shall be poured until the above operation is completed.

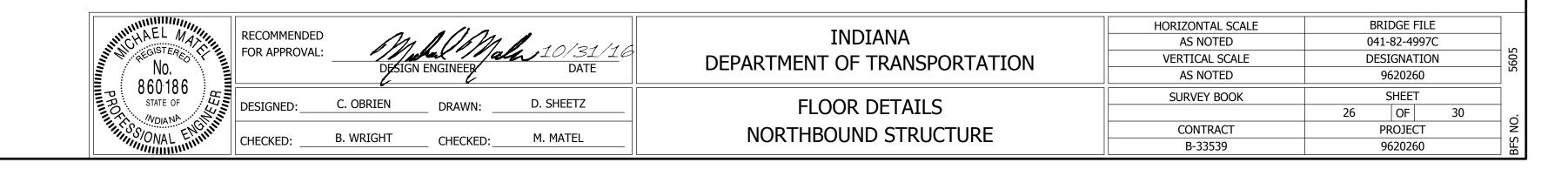
Do not set screeds or coping forms by leveling.



CONCRETE DEAD LOAD DEFLECTION DIAGRAM

Scale: ½6"=1'-0"

NOTE
See Sheet 27 for Screed Elevations.

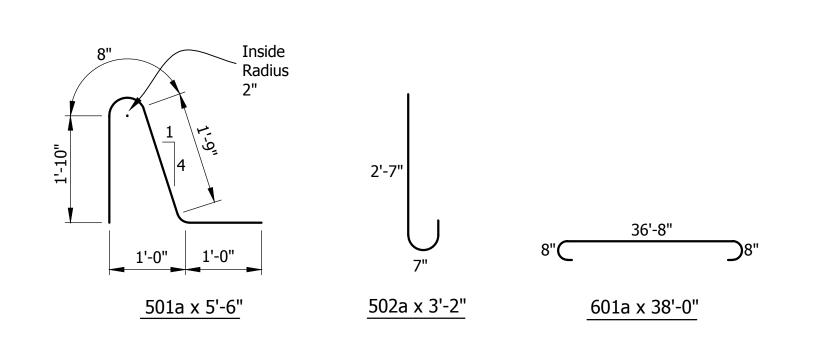


	Point:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
	Top of Coping Form	381.635	381.675	381.705	381.725	381.730	381.725	381.710	381.680	381.650	381.620	381.600	381.595	381.595	381.600	381.610	381.615	381.610	381.600	381.585	381.570	381.565	381.570	381.585	381.595	381.605	381.600	381.590	381.575
1	Top of Exterior Beam																												
	Top of Beam to Top of Coping																												
	Top of Screed	381.705	381.745	381.775	381.795	381.800	381.795	381.780	381.750	381.720	381.690	381.670	381.665	381.665	381.670	381.680	381.685	381.680	381.670	381.655	381.640	381.635	381.640	381.655	381.665	381.675	381.670	381.660	381.645
2	Top of Beam																												
	Top of Beam to Top of Screed																												
	Top of Screed	381.905	381.945	381.975	381.995	382.000	381.995	381.980	381.950	381.920	381.890	381.870	381.865	381.865	381.870	381.880	381.885	381.880	381.870	381.855	381.840	381.835	381.840	381.855	381.865	381.875	381.870	381.860	381.845
3	Top of Beam																												
	Top of Beam to Top of Screed																												
	Top of Screed	381.965	382.005	382.035	382.055	382.060	382.055	382.040	382.010	381.980	381.950	381.930	381.925	381.925	381.930	381.940	381.945	381.940	381.930	381.915	381.900	381.895	381.900	381.915	381.925	381.935	381.930	381.920	381.905
4	Top of Beam																												
	Top of Beam to Top of Screed																												
	Top of Screed	382.005	382.045	382.075	382.095	382.100	382.095	382.080	382.050	382.020	381.990	381.970	381.965	381.965	381.970	381.980	381.985	381.980	381.970	381.955	381.940	381.935	381.940	381.955	381.965	381.975	381.970	381.960	381.945
5	Top of Beam																												
	Top of Beam to Top of Screed																												
	Top of Screed	382.105	382.145	382.175	382.195	382.200	382.195	382.180	382.150	382.120	382.090	382.070	382.065	382.065	382.070	382.080	382.085	382.080	382.070	382.055	382.040	382.035	382.040	382.055	382.065	382.075	382.070	382.060	382.045
6	Top of Beam																												
	Top of Beam to Top of Screed																												
	Top of Screed	382.305	382.345	382.375	382.395	382.400	382.395	382.380	382.350	382.320	382.290	382.270	382.265	382.265	382.270	382.280	382.285	382.280	382.270	382.255	382.240	382.235	382.240	382.255	382.265	382.275	382.270	382.260	382.245
7	Top of Beam																												
	Top of Beam to Top of Screed																												
	Top of Coping Form	382.375	382.415	382.445	382.465	382.470	382.465	382.450	382.420	382.390	382.360	382.340	382.335	382.335	382.340	382.350	382.355	382.350	382.340	382.325	382.310	382.305	382.310	382.325	382.335	382.345	382.340	382.330	382.315
8	Top of Exterior Beam																												
	Top of Beam to Top of Coping																												

		Point:	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51
		Top of Coping Form	381.555	381.540			381.545				381.570	381.555	381.535	381.515	381.500	381.495		381.490	381.490		381.490		381.485	381.485	
	1	Top of Exterior Beam																331.133	0011100		0011100	3311133	3311133	0011100	10011100
		Top of Beam to Top of Coping																							
		Top of Screed	381.625	381.610	381.600	381.605	381.615	381.630	381.640	381.640	381.640	381.625	381.605	381.585	381.570	381.565	381.560	381.560	381.560	381.560	381.560	381 560	381.555	381 555	381.550
	2	Top of Beam																3311333			3311333	3311333	3311333	0011000	
		Top of Beam to Top of Screed																							
		Top of Screed	381.825	381.810	381.800	381.805	381.815	381.830	381.840	381.840	381.840	381.825	381.805	381.785	381.770	381.765	381.760	381.760	381.760	381.760	381.760	381.760	381.755	381.755	381.750
	3	Top of Beam																							
		Top of Beam to Top of Screed																							
111		Top of Screed	381.885	381.870	381.860	381.865	381.875	381.890	381.900	381.900	381.900	381.885	381.865	381.845	381.830	381.825	381.820	381.820	381.820	381.820	381.820	381.820	381.815	381.815	381.810
LINE	4	Top of Beam																							
DL		Top of Beam to Top of Screed																							
Ш		Top of Screed	381.925	381.910	381.900	381.905	381.915	381.930	381.940	381.940	381.940	381.925	381.905	381.885	381.870	381.865	381.860	381.860	381.860	381.860	381.860	381.860	381.855	381.855	381.850
SR	5	Top of Beam																							
S		Top of Beam to Top of Screed																							
		Top of Screed	382.025	382.010	382.000	382.005	382.015	382.030	382.040	382.040	382.040	382.025	382.005	381.985	381.970	381.965	381.960	381.960	381.960	381.960	381.960	381.960	381.955	381.955	381.950
	6	Top of Beam																							
		Top of Beam to Top of Screed																							
		Top of Screed	382.225	382.210	382.200	382.205	382.215	382.230	382.240	382.240	382.240	382.225	382.205	382.185	382.170	382.165	382.160	382.160	382.160	382.160	382.160	382.160	382.155	382.155	382.150
	7	Top of Beam																							
		Top of Beam to Top of Screed																							
		Top of Coping Form	382.295	382.280	382.270	382.275	382.285	382.300	382.310	382.310	382.310	382.295	382.275	382.255	382.235	382.230	382.225	382.225	382.225	382.225	382.225	382.225	382.220	382.220	382.215
	8	Top of Exterior Beam																							
		Top of Beam to Top of Coping																							

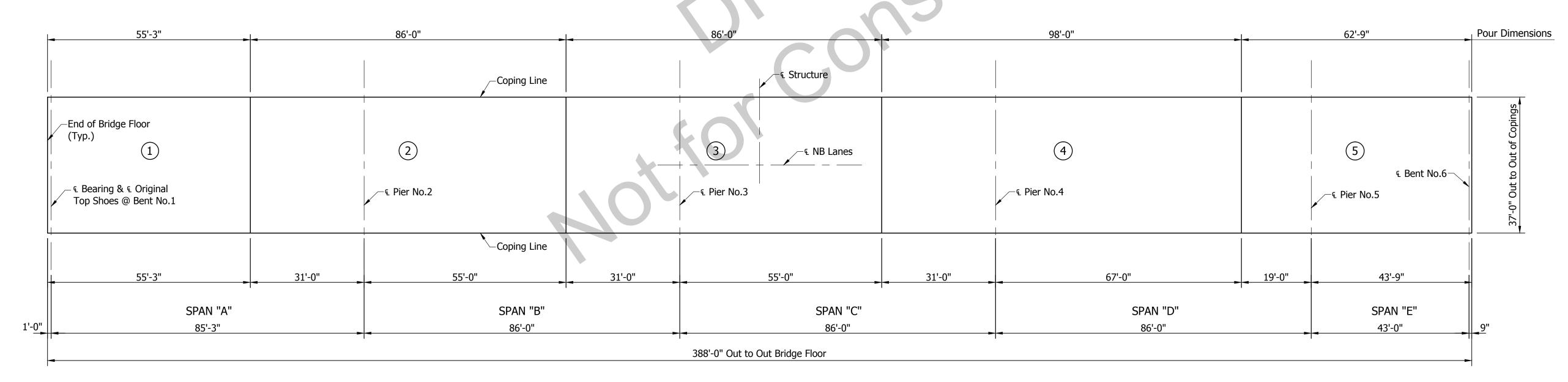
NIIII)	NO. 860186	RECOMMENDED FOR APPROVAL:	DESIGN E	MGINEEP ALL	10/31/16 DATE	
PROK	STATE OF STATE OF	DESIGNED:	C. OBRIEN	DRAWN:	D. SHEETZ	
This	ONAL EMILIA	CHECKED:	B. WRIGHT	CHECKED:	M. MATEL	

10/31/10 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE AS NOTED VERTICAL SCALE AS NOTED	BRIDGE FILE 041-82-4997C DESIGNATION 9620260	5605
D. SHEETZ	FLOOR DETAILS	SURVEY BOOK	SHEET 27 OF 30	_ _ _ <u>c</u>
M. MATEL	NORTHBOUND STRUCTURE	CONTRACT B-33539	PROJECT 9620260	BFS N



BAR BENDING DETAILS

Not to Scale



Note: Pour Numbers Indicate Sequence of Pours.

SEQUENCE OF POURS DIAGRAM

Scale: 1/16" = 1'-0"

MINIMUM MANA	DECCMMENDED	_	. /1		TAUDTANIA	HORIZONTAL SCALE
HILLY ALL MAXIM	RECOMMENDED	M	11/1/11	10/01/11	INDIANA	AS NOTED
AEGISTERES !	FOR APPROVAL:	DECICAL OF		10/31/10	DEPARTMENT OF TRANSPORTATION	VERTICAL SCALE
NO. \		DISIGN I	ENGINEER	DATE	DELYTRITIENT OF TRUITS OR TAILED	AS NOTED
STATE OF WOMAN STATE OF WOMAN STATE OF WOMAN STATE OF WOMAN STATE OF STATE	DECICNED	C. OBRIEN	DD ALAMA	D. SHEETZ	ELOOD DETAILC	SURVEY BOOK
ON WOUNDS WELL	DESIGNED:	C. ODKILIN	DRAWN:	D. SHLLIZ	FLOOR DETAILS	
IIIOS/ONAL ENGILIA	CLIECKED	B. WRIGHT	CHECKED	M. MATEL	NORTHBOUND STRUCTURE	CONTRACT
MALLININ	CHECKED:	D. WILLOITI	CHECKED:	I'II I'IATEE	HORTIDOGRA STRUCTURE	B-33539

BILL OF MATERIALS SUPERSTRUCTURE SPANS "A" THRU "E"

	NORTHBOUND STRUCTURE										
	REINFORCING BARS										
	Mark or Size	No. of Bars	Length (Ft.)	Weight (Lbs.)							
	601a	583	38'-0"								
	#6	583	36'-6"	1							
	Total #6 (Ep	oxy Coated)		65237							
			5'-6"								
	501a										
	502a										
	#5]									
	#5	216	22'-0"]							
	#5	2480	20'-0"								
٠	Total #5 (Ep	ooxy Coated)		71931							
	#4	55	22'-9"	1							
	#4	55	20'-9"	1							
	#4	330	20'-0"	1							
	#4	55	16'-6"	1							
	#4	55	13'-0"]							
	Total #4 (Ep	ooxy Coated)		7091							
\rightarrow	Total Steel (Epoxy Coated)	144259							
		CONC	RETE								
	Class "C" in	Superstructur	e								
	Pour No.1	<u> </u>		75.7 Cys.							
	Pour No.2	2		80.9 Cys.							
	Pour No.3	3		80.9 Cys.							
	Pour No.4	1		92.2 Cys.							
	Pour No.5		73.1 Cys.								
	Total Class "	402.8 Cys.									
	Class "C" in	74.2 Cys.									
		MISCELL	ANEOUS								
	Barrier Delin	eators		22 Each							

⊕ A.S.T.M. A615, Grade 60

BRIDGE FILE

041-82-4997C

DESIGNATION

9620260

SHEET OF

PROJECT

9620260

30

38 Each

18 Each

18 Each

21630 Sft.

Threaded Tie Bar Assemblies

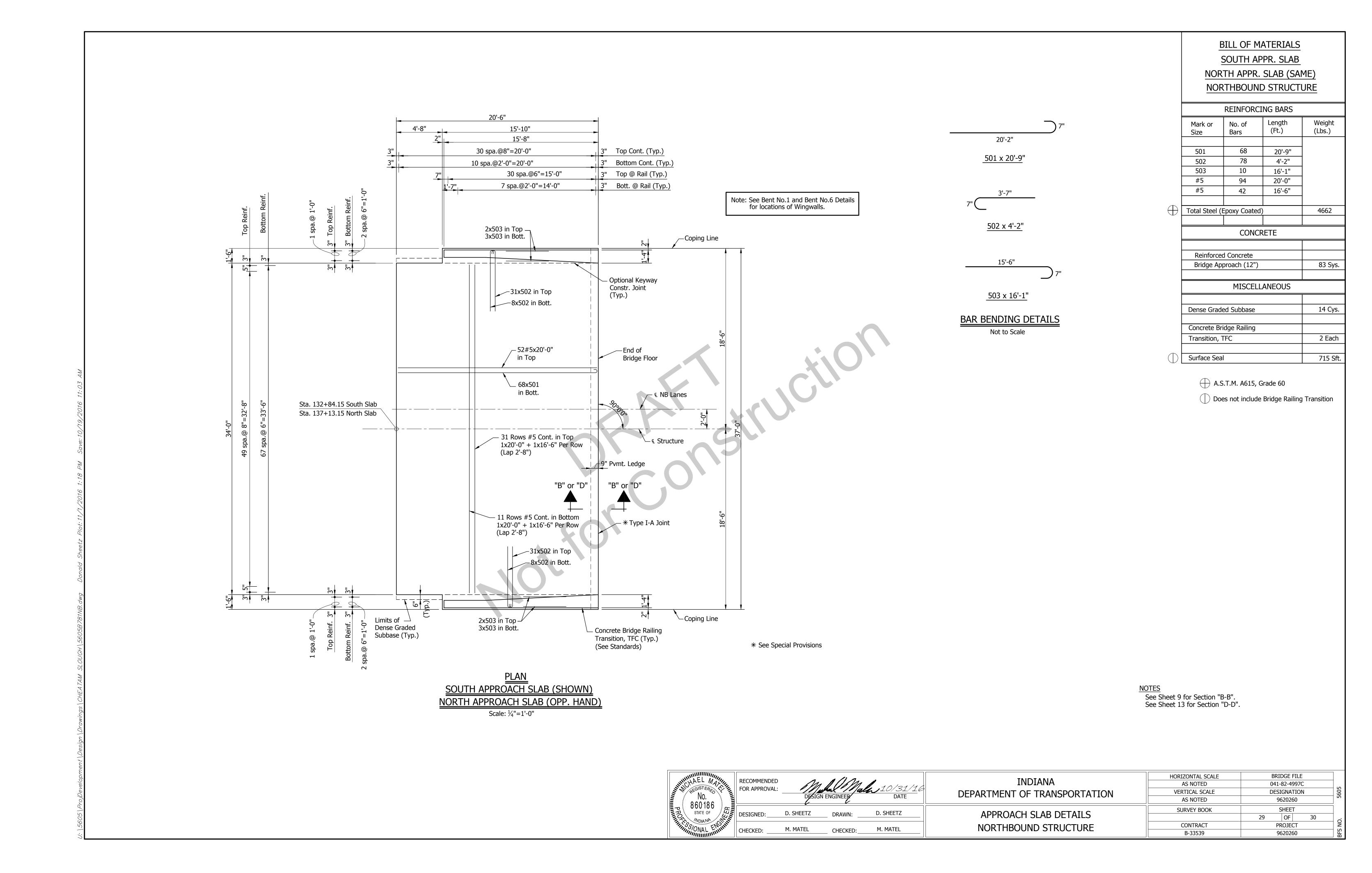
Cast Iron Roadway Drains

(#5x3'-0" each way)

(Epoxy Coated)

Surface Seal

Type "OS-D"



STRUCTURE	OUANTITIES
STRUCTURE	QUINTITES

		CON	CRETE		DENSE	REINF. CONC.	CONC.	REINF.	REINF.	EST.	PILE,	ELASTOMERIO	FIELD	CAST IRON	6"ø DRAIN	EST.	CONCRETE		. AGGREGATE FOR			THREADED	
ITEM	CLASS C IN SUPERSTR.	CLASS C IN SUBSTR.	CLASS B IN FOOTING	CLASS A IN SUBSTR.	GRADED SUBBASE	BRIDGE APPR. 12"	RAILING, FC	BARS (PLAIN)	BARS (EPOXY COATED)	WEIGHT STR. STEEL	STEEL PIPE, 0.312 IN. 14 IN.	BEARING ASSEMBLY	DRILLED HOLES IN CONCRETE	DRAIN TYPE "OS-D"	PIPE CASTING EXTENSION	AREA SURFACE SEAL	BRIDGE RAILING TRANSITION TFC	6"Ø END BENT DRAIN PIPE	END BENT BACKFILL	GEOTEXTILE	STEEL DIAPHRAGMS	TIE BAR ASSEMBLIES (EPOXY COATED)	BARRIER DELINEATOR
	CYS.	CYS.	CYS.	CYS.	CYS.	SYS.	CYS.	LBS.	LBS.	LBS.	LFT.	EACH	EACH	EACH	EACH	SFT.	EACH	LFT.	CYS.	SYS.	LBS.	EACH	EACH
SUPERSTRUCTURE					1	1																	
Spans "A" thru "E"	402.8						74.2		144259	38584				18	18	21630						38	22
SUBSTRUCTURE																							
Bent No.1				6.7					4559			4	95					50	22	45			
Pier No.2				0.9				123				4	24										
Pier No.3				0.9				123				4	24										
Pier No.4				0.9				123				4	24										
Pier No.5				16.3				3677															
Bent No.6				15.3					4255				35					56	18	45			
APPROACH SLABS																							
South					14	83			4662							715	2						
North					14	83			4662							715	2						
BARRIER RAIL TRANSITIONS					1																		
South									1102														
North									1102														
																*							
TOTALS	402.8			41.0	28	166	74.2	⊕ 4046	⊕ 164601	38584		16	202	18	18	23060	4	106	40	90		38	22

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

THIN REGISTERED TO
NO.
860186 STATE OF #
NO. 860186 STATE OF WOIANA WOIANA STATE OF

RECOMMENDED FOR APPROVAL:	DESIGN E	A MANAGENGINEER	10/31/16 DATE
DESIGNED:	D. SHEETZ	DRAWN: _	D. SHEETZ
CHECKED:	M. MATEL	CHECKED:	M. MATEL

INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE		
	NONE	041-82-4997C		
	VERTICAL SCALE	DESIGNATION		
	NONE	9620260		
BRIDGE SUMMARY NORTHBOUND STRUCTURE	SURVEY BOOK	SHEET		
		30	OF	30
	CONTRACT	PROJECT		
	B-33539	9620260		