



121. View of upland area south of Silver Creek from western PSL, looking southeast. (Taken 5/11/2021)



122. View of upland area south of Silver Creek from western PSL, looking southwest. (Taken 5/11/2021)



123. View of upland area south of Silver Creek from western PSL, looking northwest. (Taken 5/11/2021)



124. View of upland area, looking northwest. (Taken 5/11/2021)

**SITE PHOTOGRAPHS—5/14/2020 and 5/11/2021**

Floyd County Bridge No. 51

Bridge Replacement

New Albany Township, Floyd County and Jeffersonville Township, Clark County, Indiana

Des. No. 1700788

B-28





125. View of upland area, looking northeast. (Taken 5/11/2021)



126. View of upland area, looking southwest. (Taken 5/11/2021)

**SITE PHOTOGRAPHS—5/14/2020 and 5/11/2021**

Floyd County Bridge No. 51

Bridge Replacement

New Albany Township, Floyd County and Jeffersonville Township, Clark County, Indiana

Des. No. 1700788

B-29





127. View of upland area, looking southwest. (Taken 5/11/2021)



128. View of upland area, looking northeast. (Taken 5/11/2021)

**SITE PHOTOGRAPHS—5/14/2020 and 5/11/2021**

Floyd County Bridge No. 51

Bridge Replacement

New Albany Township, Floyd County and Jeffersonville Township, Clark County, Indiana

Des. No. 1700788

B-30





129. View of upland area, looking south. (Taken 5/11/2021)



130. View of upland area, looking northeast. (Taken 5/11/2021)



131. View of upland area, looking southeast. (Taken 5/11/2021)

**SITE PHOTOGRAPHS—5/14/2020 and 5/11/2021**

Floyd County Bridge No. 51

Bridge Replacement

New Albany Township, Floyd County and Jeffersonville Township, Clark County, Indiana

Des. No. 1700788

B-31





132. View of upland area, looking southwest. (Taken 5/11/2021)



133. View of upland area, looking southwest. (Taken 5/11/2021)



134. View of upland area, looking southwest. (Taken 5/11/2021)



135. View of Walnut Grove Rd. ROW from PSL, looking south-east. (Taken 5/11/2021)

**SITE PHOTOGRAPHS—5/14/2020 and 5/11/2021**

Floyd County Bridge No. 51

Bridge Replacement

New Albany Township, Floyd County and Jeffersonville Township, Clark County, Indiana

Des. No. 1700788

B-32





136. View of upland area, looking southeast. (Taken 5/11/2021)



137. View of upland area, looking southeast. (Taken 5/11/2021)



138. View of upland area, looking south. (Taken 5/11/2021)



139. View of upland area, looking southwest. (Taken 5/11/2021)

**SITE PHOTOGRAPHS—5/14/2020 and 5/11/2021**

Floyd County Bridge No. 51

Bridge Replacement

New Albany Township, Floyd County and Jeffersonville Township, Clark County, Indiana

Des. No. 1700788

B-33





140. View of upland area, looking northwest. (Taken 5/11/2021)



141. View of upland area, looking northeast. (Taken 5/11/2021)



142. View of upland area, looking southwest. (Taken 5/11/2021)



143. View of upland area, looking southwest. (Taken 5/11/2021)

**SITE PHOTOGRAPHS—5/14/2020 and 5/11/2021**

Floyd County Bridge No. 51

Bridge Replacement

New Albany Township, Floyd County and Jeffersonville Township, Clark County, Indiana

Des. No. 1700788

B-34





144. View of upland area, looking northeast. (Taken 5/11/2021)



145. View of upland area, looking southeast. (Taken 5/11/2021)



146. View of Blackiston Mill Rd ROW, looking west. (Taken 5/11/2021)



147. View of SP-4, Upland Sampling Point 4, soil profile. (Taken 5/11/2021)

**SITE PHOTOGRAPHS—5/14/2020 and 5/11/2021**

Floyd County Bridge No. 51

Bridge Replacement

New Albany Township, Floyd County and Jeffersonville Township, Clark County, Indiana

Des. No. 1700788

B-35







148. View of SP-4, Upland Sampling Point 4, looking southwest.  
(Taken 5/11/2021)



149. View of SP-4, Upland Sampling Point 4, looking northeast.  
(Taken 5/11/2021)

**SITE PHOTOGRAPHS—5/14/2020 and 5/11/2021**

Floyd County Bridge No. 51

Bridge Replacement

New Albany Township, Floyd County and Jeffersonville Township, Clark County, Indiana

Des. No. 1700788

B-36



**APPENDIX B: Graphics**  
**Part 2: Pages B-37 to B-65**

PLOT DATE: 11/24/2021 @ 8:01AM

PROJECT	DESIGNATION
1700788	1700788
CONTRACT	
B-40311	

STRUCTURE INFORMATION				
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
22-00051	PRESTRESSED CONCRETE I-BEAM	3 SPANS: 66'-9", 80'-0" & 66'-9" SKEW: 25° RL	SILVER CREEK	23+62.25 Line "A"

# INDIANA DEPARTMENT OF TRANSPORTATION



## BRIDGE PLANS

FOR SPANS OVER 20 FEET  
ROUTE: BLACKISTON MILL ROAD

PROJECT NO. 1700788 P.E.  
PROJECT NO. 1700788 R/W  
PROJECT NO. 1700788 CONST.

Bridge No. 51 Replacement on Blackiston Mill Road over Silver Creek  
Located 0.2 Miles East of Charlestown Road in Survey Nos. 63 & 45  
of the Clark Military Grant in New Albany Township, Floyd County,  
and Jeffersonville Township, Clark County, Indiana

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
**FLOYD COUNTY BOARD OF COMMISSIONERS**

Shawn Carruthers, President \_\_\_\_\_

John Schellenberger, Member \_\_\_\_\_

Tim Kamer, Member \_\_\_\_\_

**EMPLOYEE IN RESPONSIBLE CHARGE**

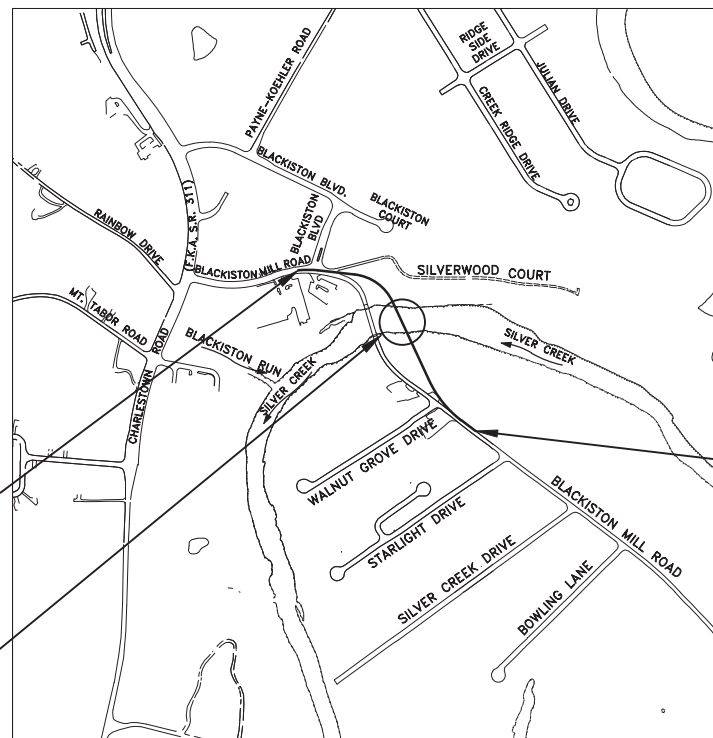
Don Lopp \_\_\_\_\_  
Director of Operations and County Planner

**FLOYD COUNTY ATTORNEY**

Richard Fox \_\_\_\_\_

**FLOYD COUNTY ENGINEER**

Horacio Urieta, P.E. \_\_\_\_\_



BEGIN PROJECT NO. 1700788  
STA. 15+81.40 "A"

END PROJECT NO. 1700788  
STA. 31+50.00 "A"

Structure 22-00051  
Over Silver Creek  
Sta. 23+62.25 Line "A"

### TRAFFIC DATA

A.A.D.T. (2016)	14,132 V.P.D.
A.A.D.T. (2042)	16,335 V.P.D.
D.H.V. (2042)	1,272 V.P.H.
DIRECTIONAL DISTRIBUTION	50 %
TRUCKS	7 % A.A.D.T. 8.5 % D.H.V.

### DESIGN DATA

DESIGN SPEED	30 M.P.H.
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	MINOR ARTERIAL
RURAL/URBAN	URBAN/SUBURBAN
TERRAIN	ROLLING
ACCESS CONTROL	NONE



PROJECT LOCATION SHOWN BY \_\_\_\_\_

LATITUDE: 38°20'03" LONGITUDE: 85°47'39"

BRIDGE LENGTH: 0.041 MI.  
ROADWAY LENGTH: 0.256 MI.  
TOTAL LENGTH: 0.297 MI.  
MAX. GRADE: 4.45 %

HUC: 051401010806

[INDIANA DEPARTMENT OF TRANSPORTATION  
STANDARD SPECIFICATIONS DATED 2021  
TO BE USED WITH THESE PLANS]



**Jacobi, Toombs & Lanz, Inc.**  
Consulting Engineers & Land Surveyors

1829 East Spring Street - New Albany, Indiana 47150

812-945-9585 - WWW.JTLENG.COM

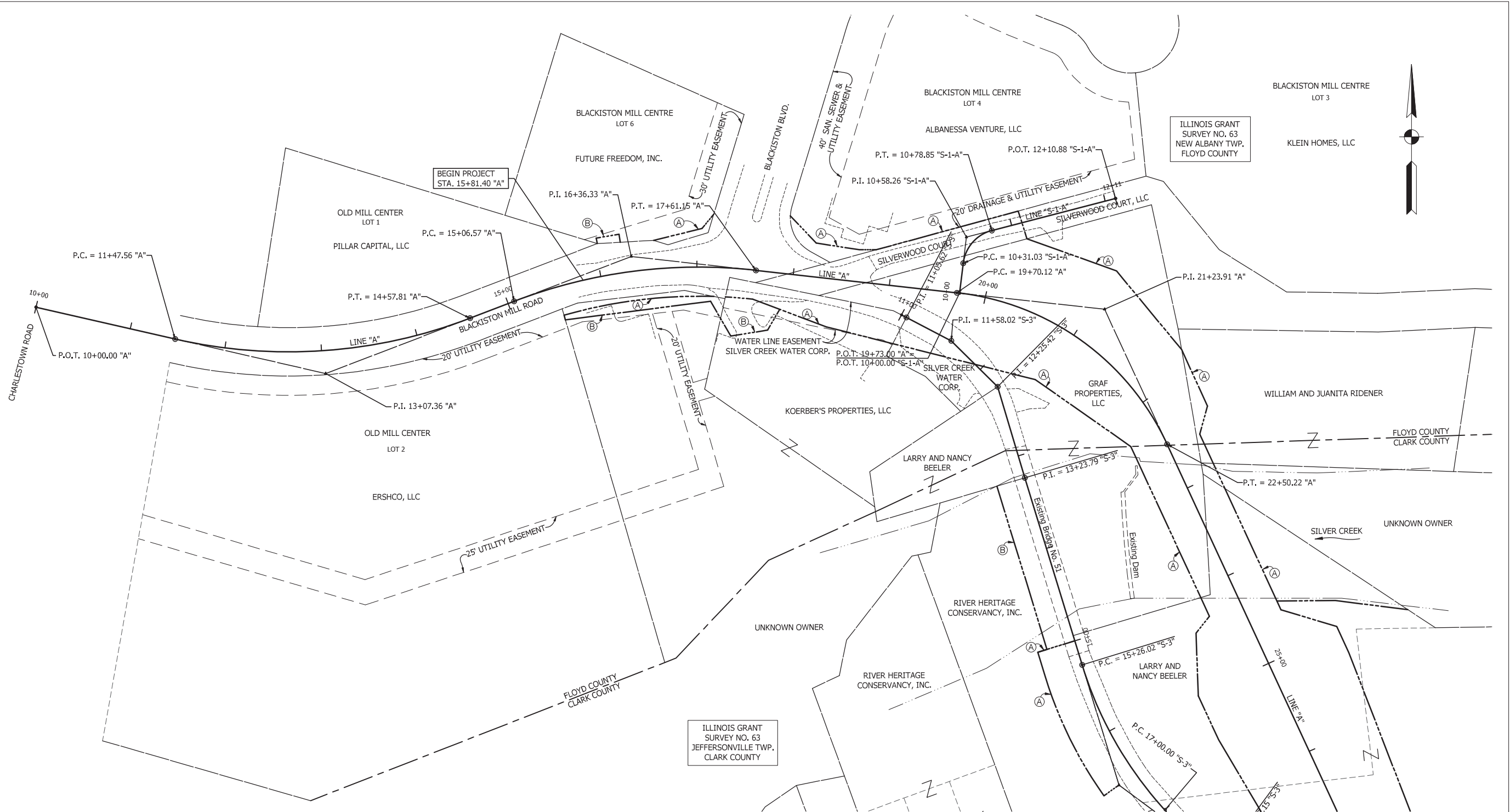
APPROVED FOR LETTING \_\_\_\_\_  
INDIANA DEPARTMENT OF TRANSPORTATION DATE \_\_\_\_\_

PLANS PREPARED BY: JACOBI, TOOMBS AND LANZ, INC. CONSULTING ENGINEERS 812-945-9585 PHONE NUMBER  
CERTIFIED BY: \_\_\_\_\_ PRESIDENT DATE \_\_\_\_\_  
CERTIFIED BY: \_\_\_\_\_ TRANSPORTATION MANAGER DATE \_\_\_\_\_

BRIDGE FILE	22-00051
DESIGNATION	1700788
SHEETS	1 of -
CONTRACT	B-40311
PROJECT	1700788

PLOT DATE: 11/24/2021 @ 8:07AM

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**LEGEND**

(A)	PERMANENT RIGHT-OF-WAY	—————
(B)	TEMPORARY RIGHT-OF-WAY	—————



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 812-945-9585 - WWW.JTLENG.COM

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ TLS	DRAWN: _____ SWC	
CHECKED: _____ ELP	CHECKED: _____ TLS	

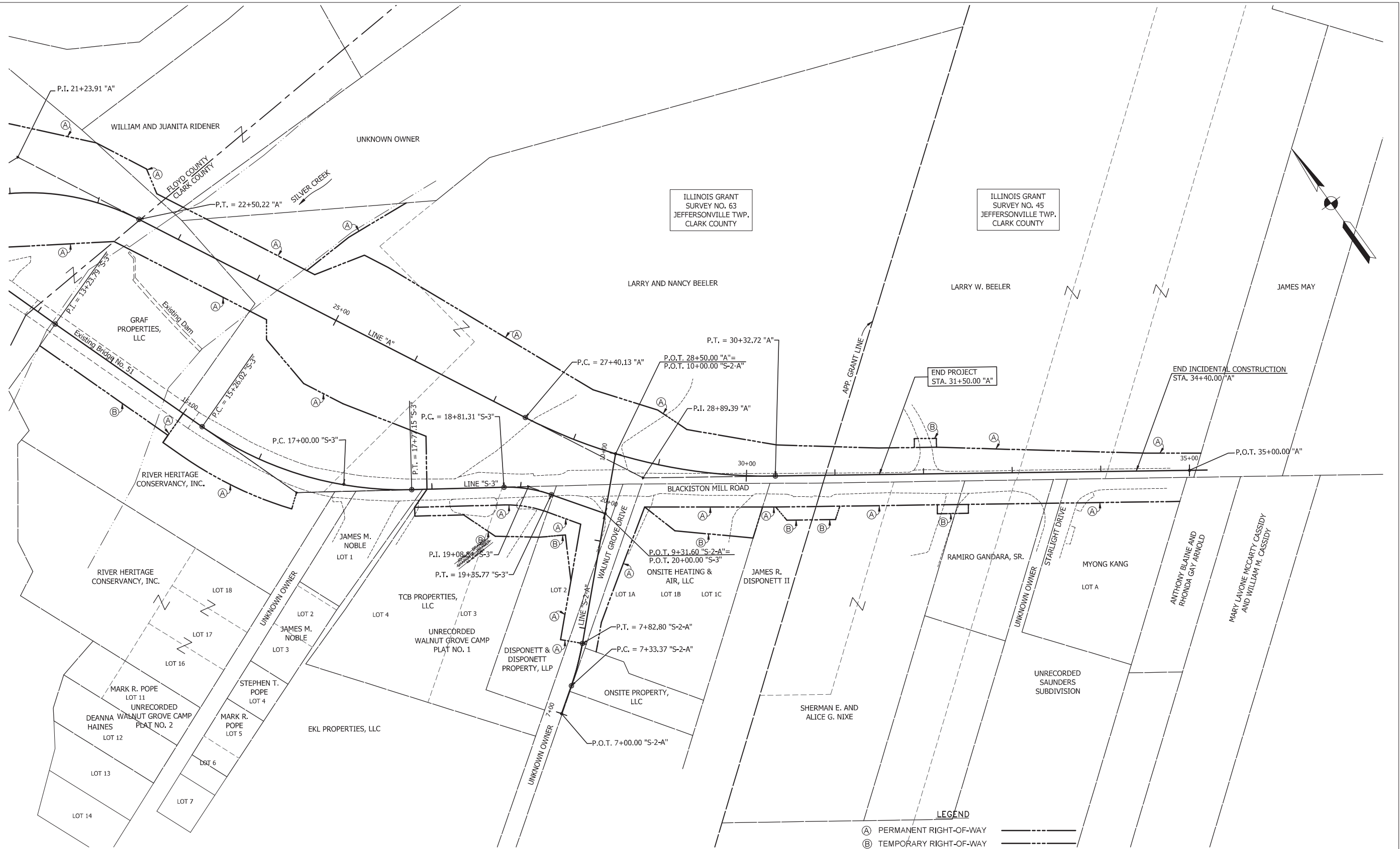
INDIANA  
DEPARTMENT OF TRANSPORTATION

PLAT NO. 1

SCALE 1"=50'	BRIDGE FILE 22-00051
	DESIGNATION 1700788
	SHEETS 7 of 23
CONTRACT B-40311	PROJECT 1700788

PLOT DATE: 11/24/2021 @ 8:07AM

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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
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CHECKED: ELP	CHECKED: TLS	

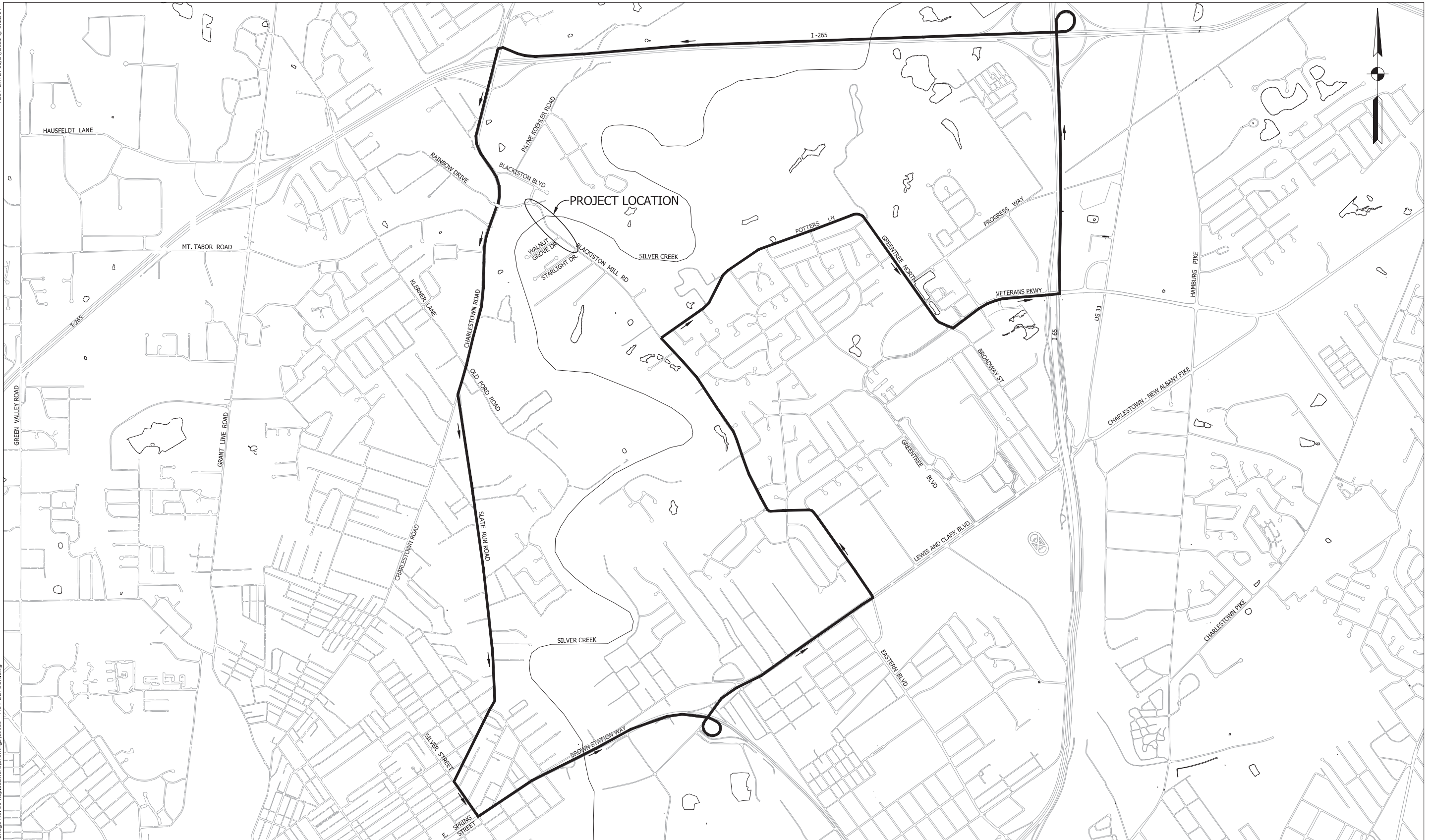
INDIANA  
 DEPARTMENT OF TRANSPORTATION

PLAT NO. 1

SCALE	BRIDGE FILE
1"=50'	22-00051
	DESIGNATION
	1700788
	SHEETS
	8 of 23
CONTRACT	PROJECT
B-40311	1700788

PLOT DATE: 11/24/2021 @ 8:11AM

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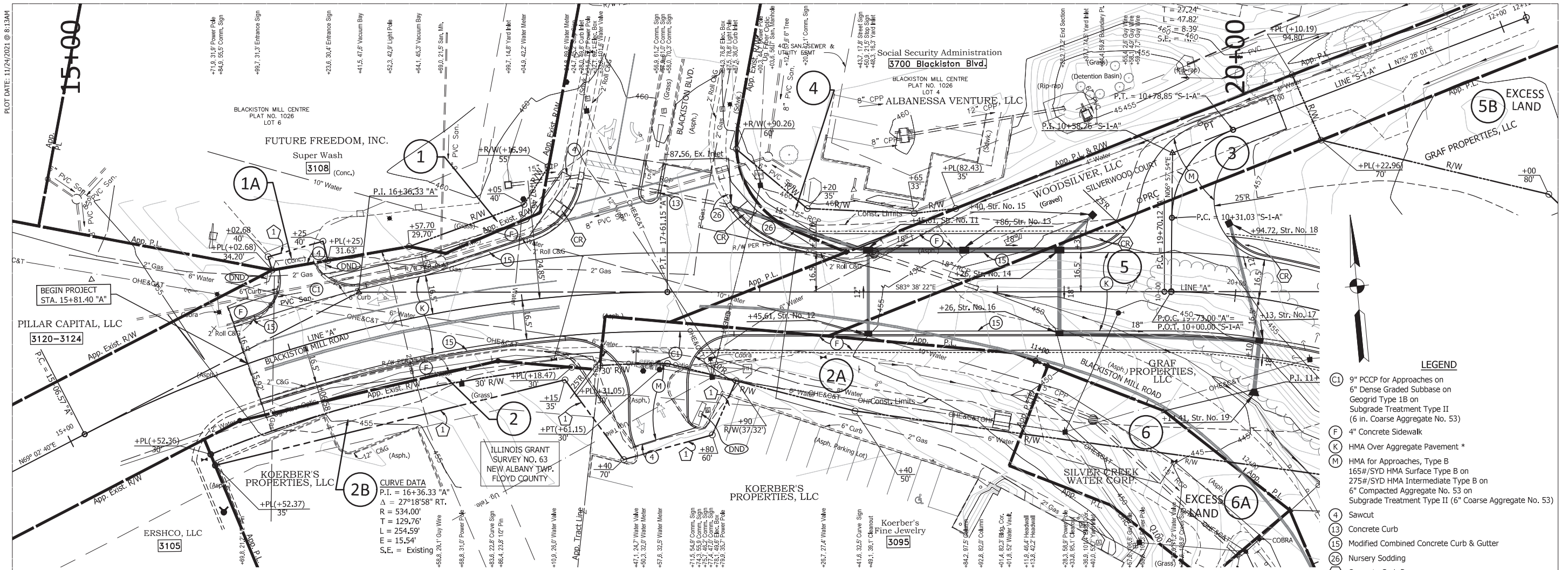
**Jacobi, Toombs & Lanz, Inc.**  
 Consulting Engineers & Land Surveyors  
 1829 East Spring Street - New Albany, Indiana 47150  
 812-945-9585 - WWW.JTLENG.COM

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JW	DRAWN: JW	
CHECKED: TLS	CHECKED: TLS	

INDIANA  
 DEPARTMENT OF TRANSPORTATION  
 MAINTENANCE OF TRAFFIC  
 DETAILS

SCALE: 1"=1,000'	BRIDGE FILE 22-00051
	DESIGNATION 1700788
	SHEETS 7 of -
CONTRACT B-40311	PROJECT 1700788

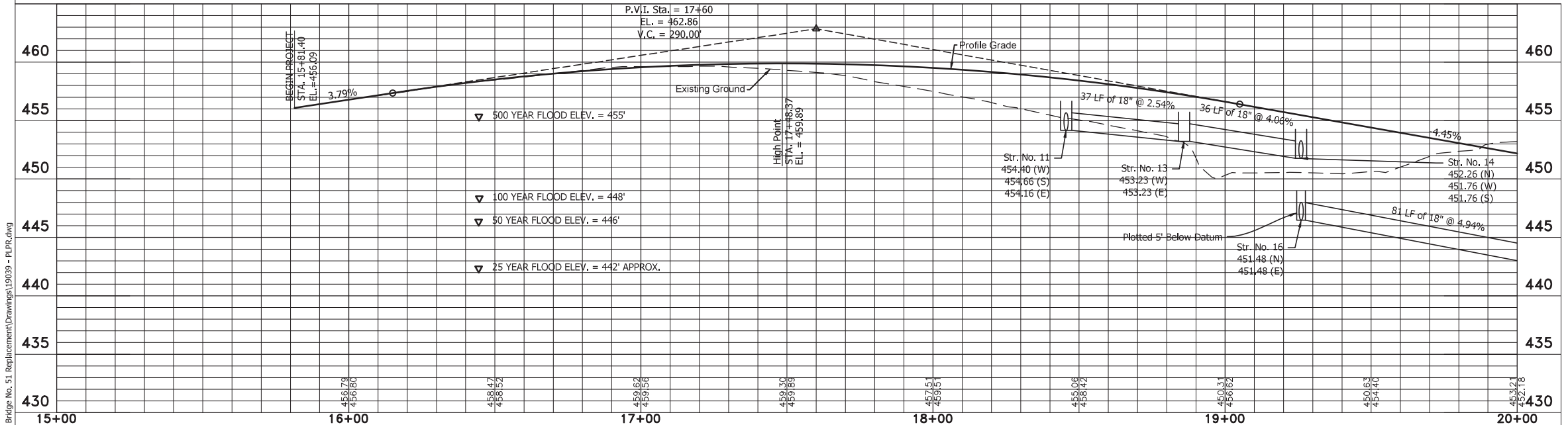
PLOT DATE: 11/24/2021 @ 8:13AM



**CURVE DATA**  
 P.I. = 16+36.33 "A"  
 $\Delta = 27^\circ 18' 58''$  RT.  
 R = 534.00'  
 T = 129.76'  
 L = 254.59'  
 E = 15.54'  
 S.E. = Existing

- LEGEND**
- (C1) 9" PCCP for Approaches on 6" Dense Graded Subbase on Geogrid Type 1B on Subgrade Treatment Type II (6 in. Coarse Aggregate No. 53)
  - (F) 4" Concrete Sidewalk
  - (K) HMA Over Aggregate Pavement \*
  - (M) HMA for Approaches, Type B 165#/SYD HMA Surface Type B on 275#/SYD HMA Intermediate Type B on 6" Compacted Aggregate No. 53 on Subgrade Treatment Type II (6" Coarse Aggregate No. 53)
  - (4) Sawcut
  - (13) Concrete Curb
  - (15) Modified Combined Concrete Curb & Gutter
  - (26) Nursery Sodding
  - (CR) Concrete Curb Ramp
  - (1) Temporary Right-of-Way for Drive Const. and Lawn Grading
  - [ ] Address (Number Inside Rectangle Indicates Street No.)
  - (DND) Do Not Disturb
  - \* See Typical Cross Sections

**NOTES:**  
 1. All Existing and Proposed R/W Described from LINE "A".



15+00 16+00 17+00 18+00 19+00 20+00

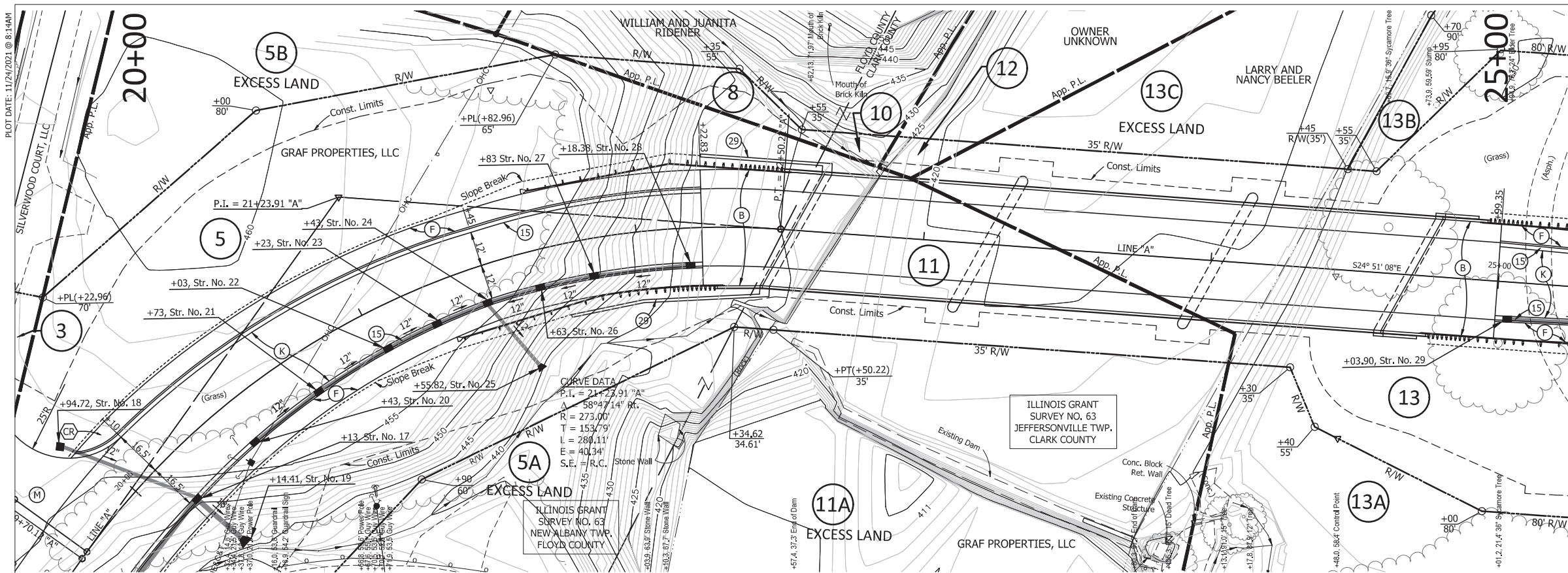
**Jacobi, Toombs & Lanz, Inc.**  
 Consulting Engineers & Land Surveyors  
 1829 East Spring Street - New Albany, Indiana 47150  
 812-945-9585 - WWW.JTLENG.COM

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: TLS	DRAWN: JW	
CHECKED: ELP	CHECKED: TLS	

INDIANA DEPARTMENT OF TRANSPORTATION  
**PLAN & PROFILE LINE "A"**

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	22-00051
VERTICAL SCALE	DESIGNATION
1"=5'	1700788
	SHEETS
	11 of 23
CONTRACT	PROJECT
B-40311	1700788

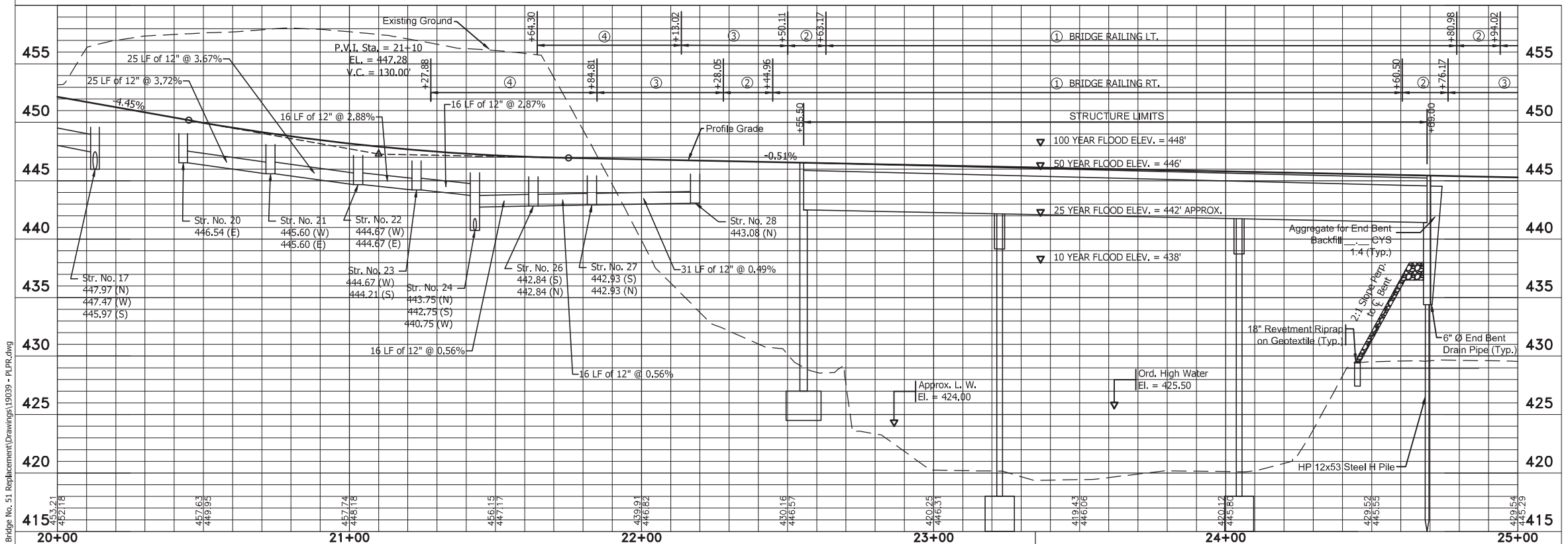
PLOT DATE: 11/24/2021 @ 8:14AM



- LEGEND**
- (B) 12" Reinforced Concrete Bridge Approach
  - (F) 4" Concrete Sidewalk
  - (K) HMA Over Aggregate Pavement \*
  - (M) HMA for Approaches, Type B
  - (15) 165#/SYD HMA Surface Type B on 275#/SYD HMA Intermediate Type B on 6" Compacted Aggregate No. 53 on Subgrade Treatment Type II (6" Coarse Aggregate No. 53)
  - (15) Modified Combined Concrete Curb & Gutter
  - (29) Retaining Wall
  - (CR) Concrete Curb Ramp
  - [ ] Address (Number Inside Rectangle Indicates Street No.)
  - (DND) Do Not Disturb
  - \* See Typical Cross Sections

NOTES:  
1. All Existing and Proposed R/W Described from LINE "A".

- Notes:
- (1) Concrete Bridge Railing Type PS-1
  - (2) Concrete Bridge Railing Transition Type TPS-1
  - (3) MGS Guardrail Transition
  - (4) Guardrail End Treatment Type OS



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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: TLS	DRAWN: JW	
CHECKED: ELP	CHECKED: TLS	

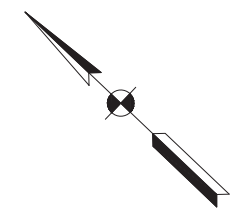
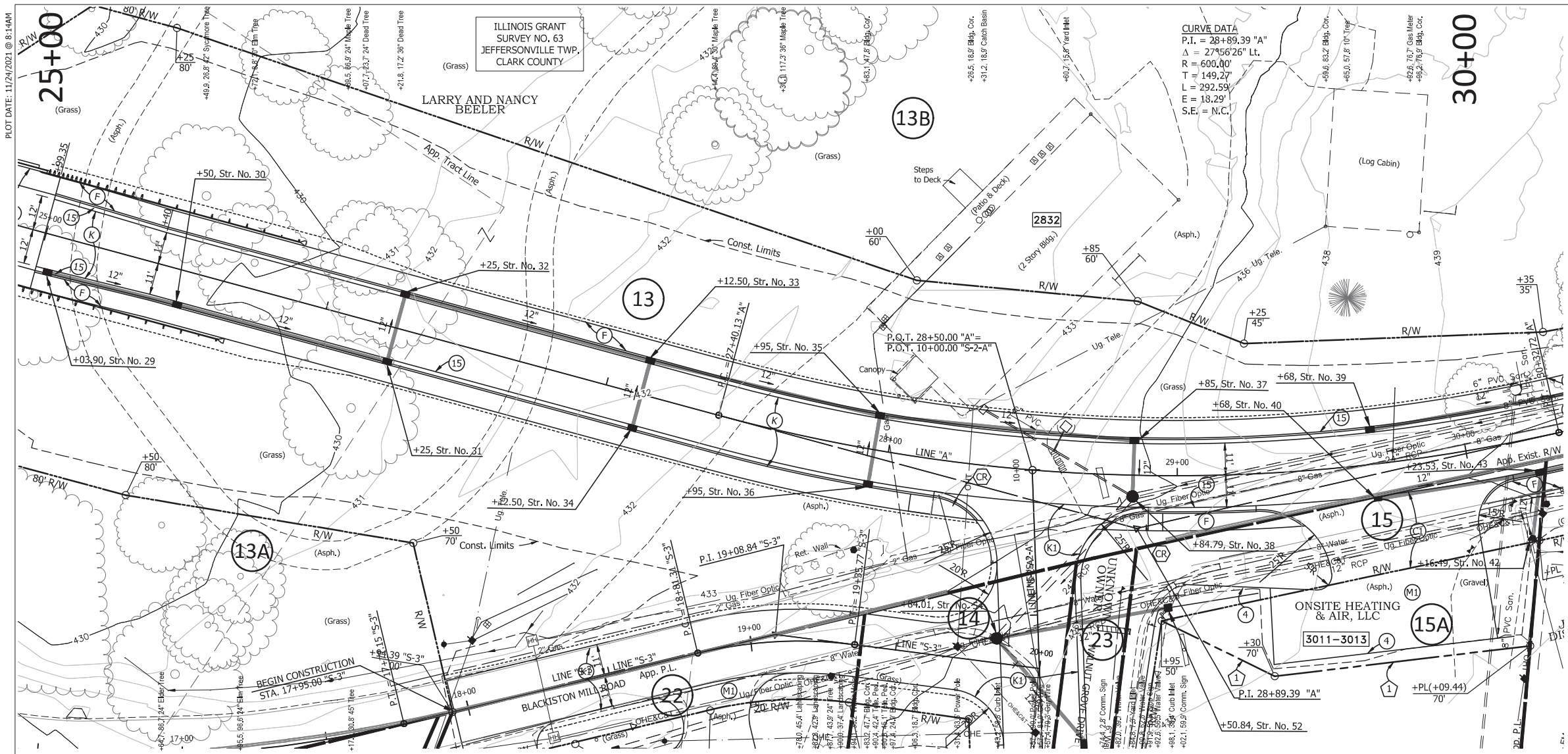
INDIANA  
DEPARTMENT OF TRANSPORTATION

**PLAN & PROFILE  
LINE "A"**

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	22-00051
VERTICAL SCALE	DESIGNATION
1"=5'	1700788
	SHEETS
	12 of 23
CONTRACT	PROJECT
B-40311	1700788



PLOT DATE: 11/24/2021 @ 8:14AM

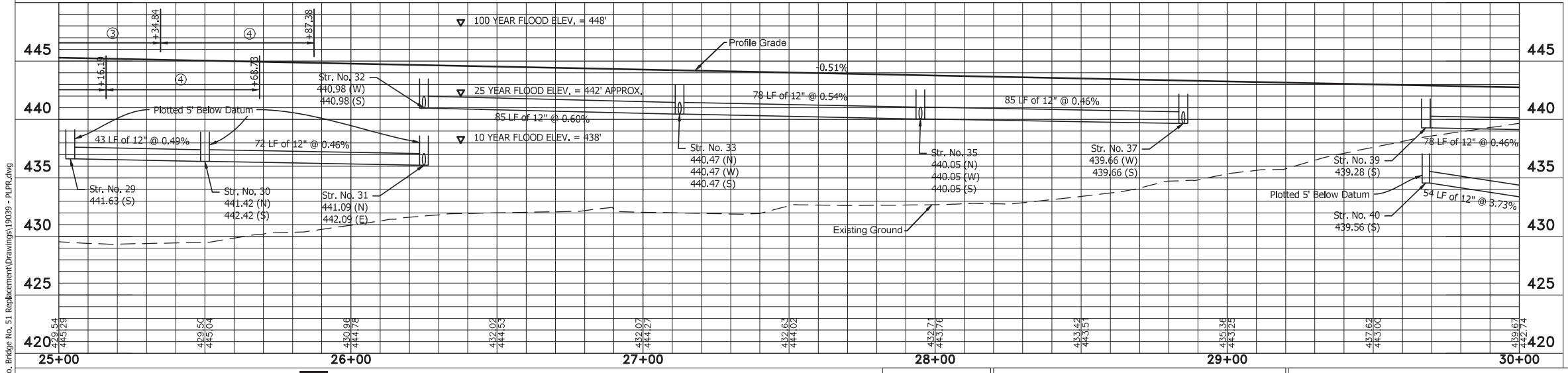


**LEGEND**

- (C1) 9" PCCP for Approaches, on 6" Dense Graded Subbase, on Geogrid Type 1B on Subgrade Treatment Type II (6 in. Coarse Aggregate No. 53)
- (F) 4" Concrete Sidewalk
- (K) HMA Over Aggregate Pavement \*
- (K1) HMA Over Aggregate Pavement \*
- (M1) HMA for Approaches, Type B 165#/syd HMA Surface Type B on 275#/syd HMA Intermediate Type B on 660#/syd HMA Base Type B on Subgrade Treatment Type II (6" Coarse Aggregate No. 53) on Geogrid Type 1B
- (4) Sawcut
- (15) Modified Combined Concrete Curb & Gutter
- (26) Nursery Sodding
- (CR) Concrete Curb Ramp
- (1) Temporary R/W for Drive Const. & Lawn Grading
- [Address Symbol] Address (Number Inside Rectangle Indicates Street No.)
- (DND) Do Not Disturb
- \* See Typical Cross Sections

NOTES:  
1. All Existing and Proposed R/W Described from LINE "A" Except as Shown.

- Notes:
- ① Concrete Bridge Railing Type PS-1
  - ② Concrete Bridge Railing Transition Type TPS-1
  - ③ MGS Guardrail Transition
  - ④ Guardrail End Treatment Type OS



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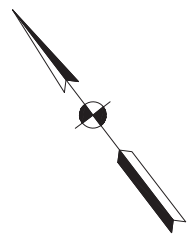
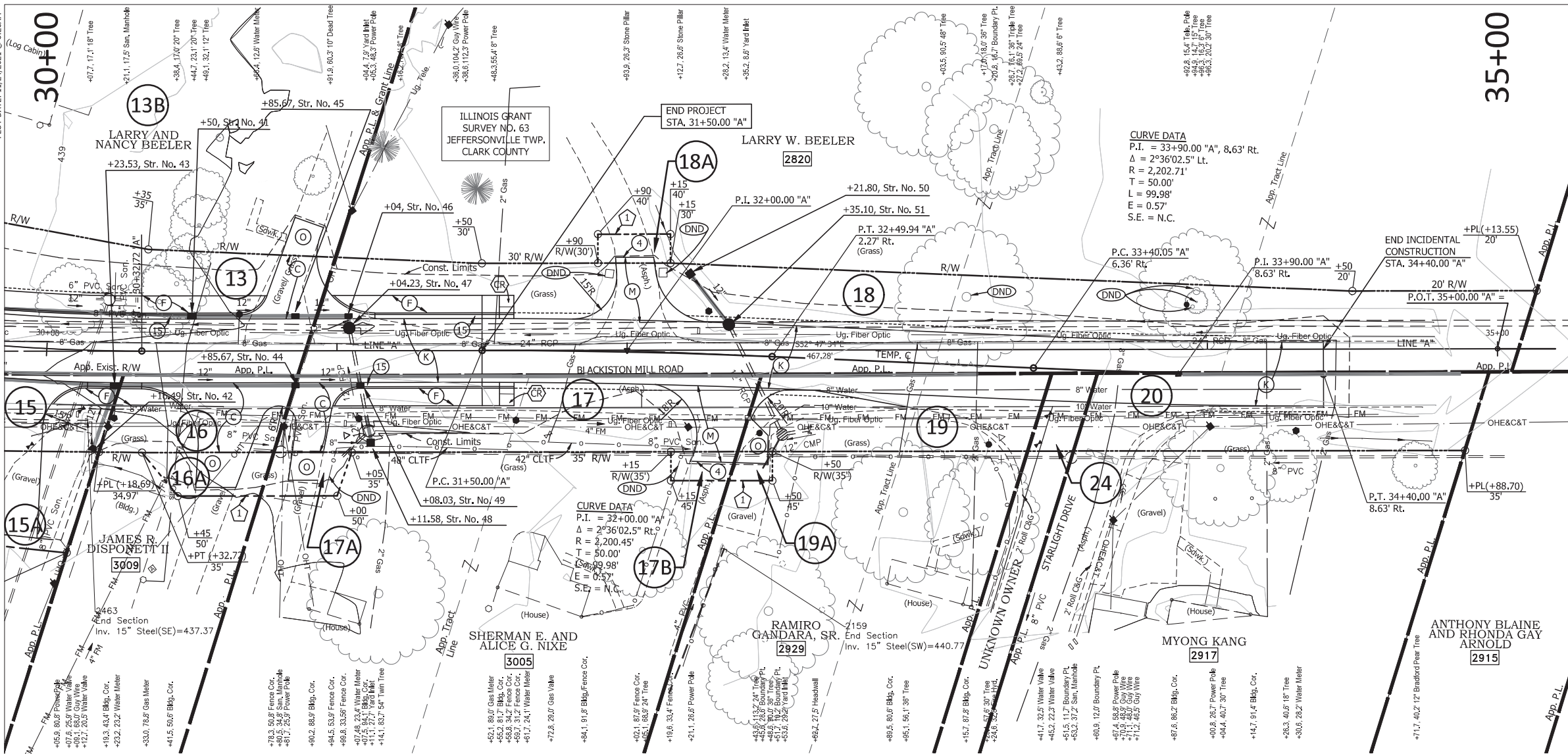
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: TLS	DRAWN: JW	
CHECKED: ELP	CHECKED: TLS	

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**

**PLAN & PROFILE**  
**LINE "A"**

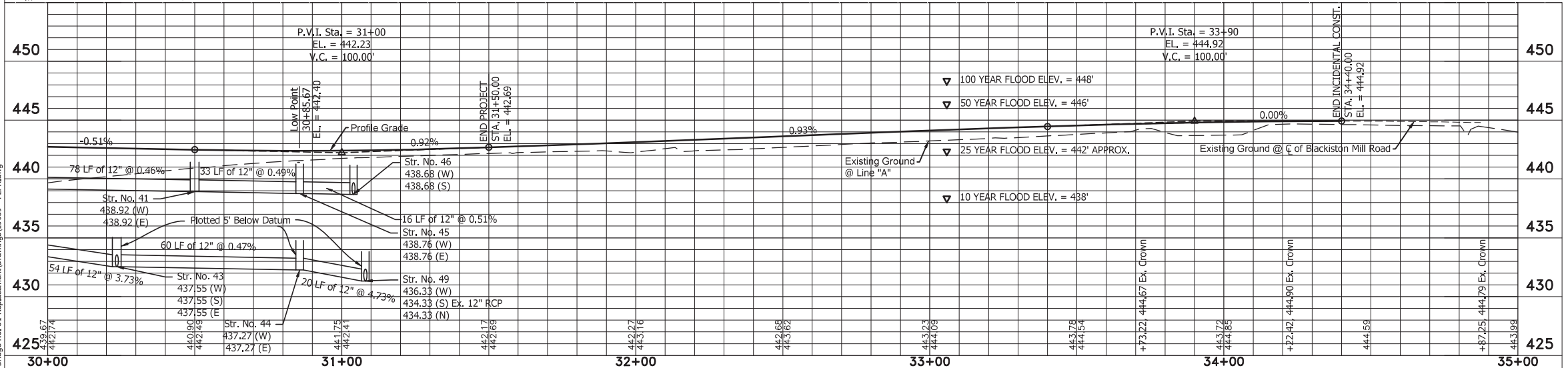
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1"=20'	22-00051
VERTICAL SCALE	DESIGNATION
1"=5'	1700788
	SHEETS
	13 of 23
CONTRACT	PROJECT
B-40311	1700788

PLOT DATE: 11/24/2021 @ 8:26AM  
(Log Cabin)



- LEGEND**
- (C) 6" PCCP for Approaches on 6" Dense Graded Subbase on Subgrade Treatment Type II (6 in. Coarse Aggregate No. 53)
  - (F) 4" Concrete Sidewalk
  - (K) HMA Over Aggregate Pavement \*
  - (M) HMA for Approaches, Type B 165#/syd HMA Surface Type B on 275#/syd HMA Intermediate Type B on 6" Compacted Aggregate No. 53 on Subgrade Treatment Type II (6" Coarse Aggregate No. 53)
  - (O) 6" Compacted Aggregate, No. 53 Base
  - (4) Sawcut
  - (13) Concrete Curb
  - (15) Modified Combined Concrete Curb & Gutter
  - (26) Nursery Sodding
  - (CR) Concrete Curb Ramp
  - (L) Temporary R/W for Drive Const. and Lawn Grading
  - [Address Box] Address (Number Inside Rectangle Indicates Street No.)
  - (DND) Do Not Disturb
  - \* See Typical Cross Sections

**NOTES:**  
1. All Existing and Proposed R/W Described from LINE "A".



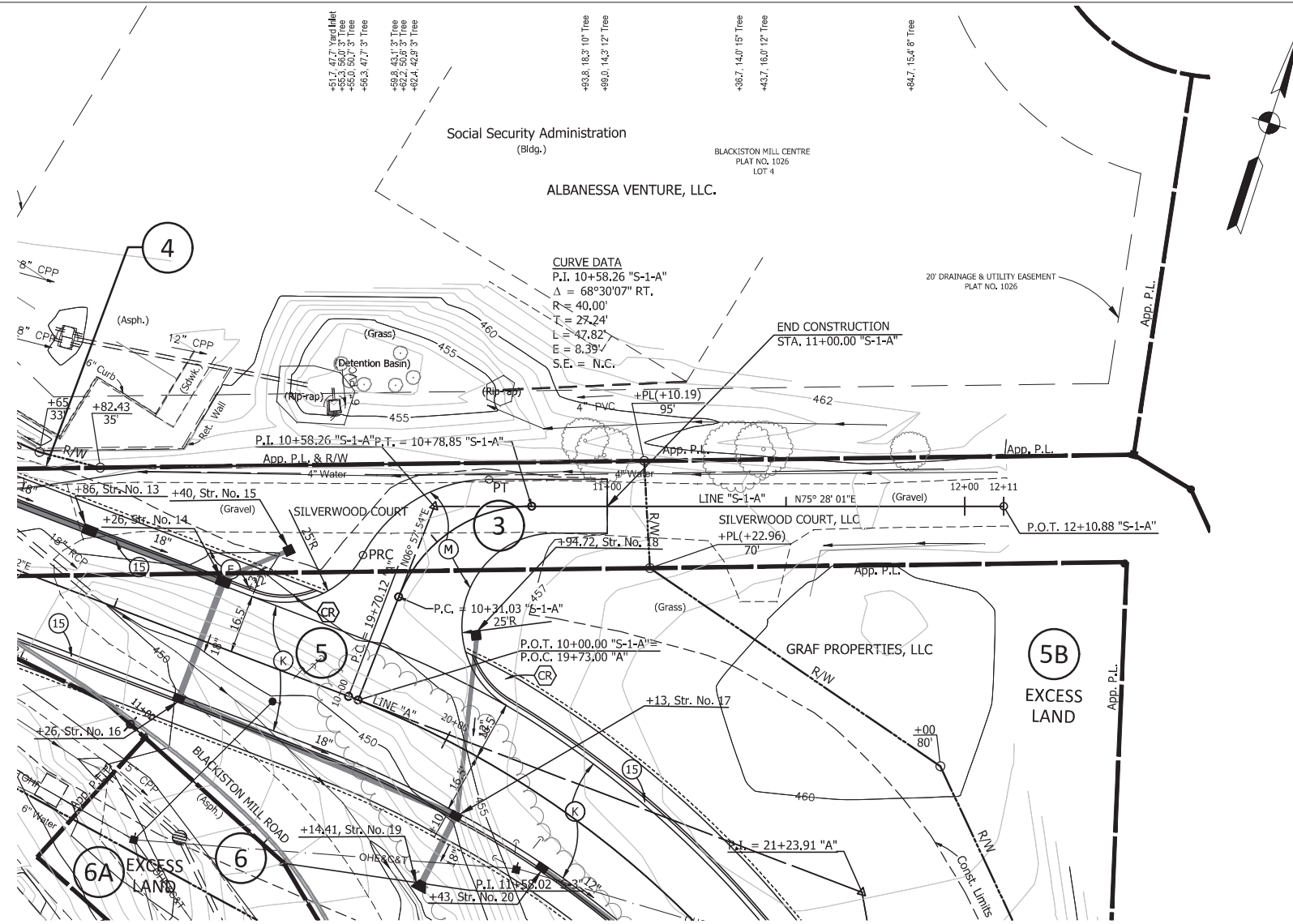
**Jacobi, Toombs & Lanz, Inc.**  
Consulting Engineers & Land Surveyors  
1829 East Spring Street - New Albany, Indiana 47150  
812-945-9585 - WWW.JTLENG.COM

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: TLS	DRAWN: JW	
CHECKED: ELP	CHECKED: TLS	

INDIANA DEPARTMENT OF TRANSPORTATION  
**PLAN & PROFILE LINE "A"**

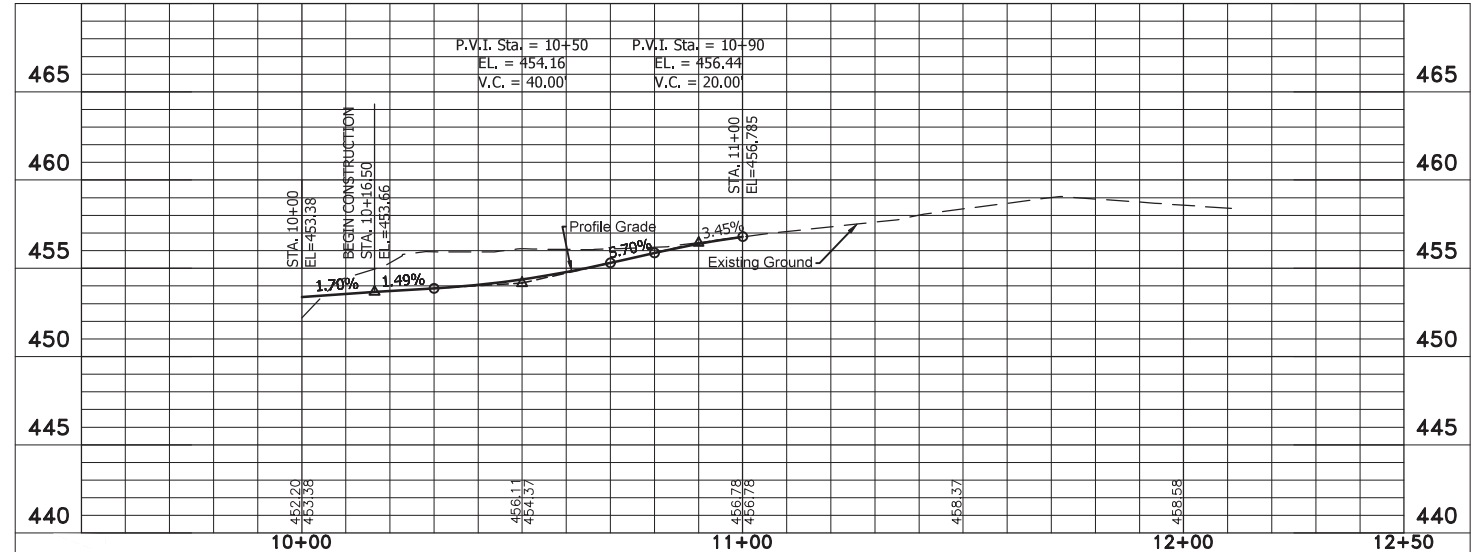
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1"=20'	22-00051
VERTICAL SCALE	DESIGNATION
1"=5'	1700788
	SHEETS
	14 of 23
CONTRACT	PROJECT
B-40311	1700788

PLOT DATE: 11/24/2021 @ 8:27AM



- LEGEND**
- (F) 4" Concrete Sidewalk
  - (K) HMA Over Aggregate Pavement \*
  - (M) HMA for Approaches  
 165#/SYD HMA Surface Type M on  
 275#/SYD HMA Intermediate Type M on  
 6" Compacted Aggregate No. 53 on  
 Subgrade Treatment Type II (6" Coarse Aggregate No. 53)
  - (15) Modified Combined Concrete Curb & Gutter
  - (CR) Concrete Curb Ramp
  - [ ] Address (Number Inside Rectangle Indicates Street No.)
  - (DND) Do Not Disturb
  - \* See Typical Cross Sections

**NOTES:**  
 1. All Existing and Proposed R/W Described from LINE "A".



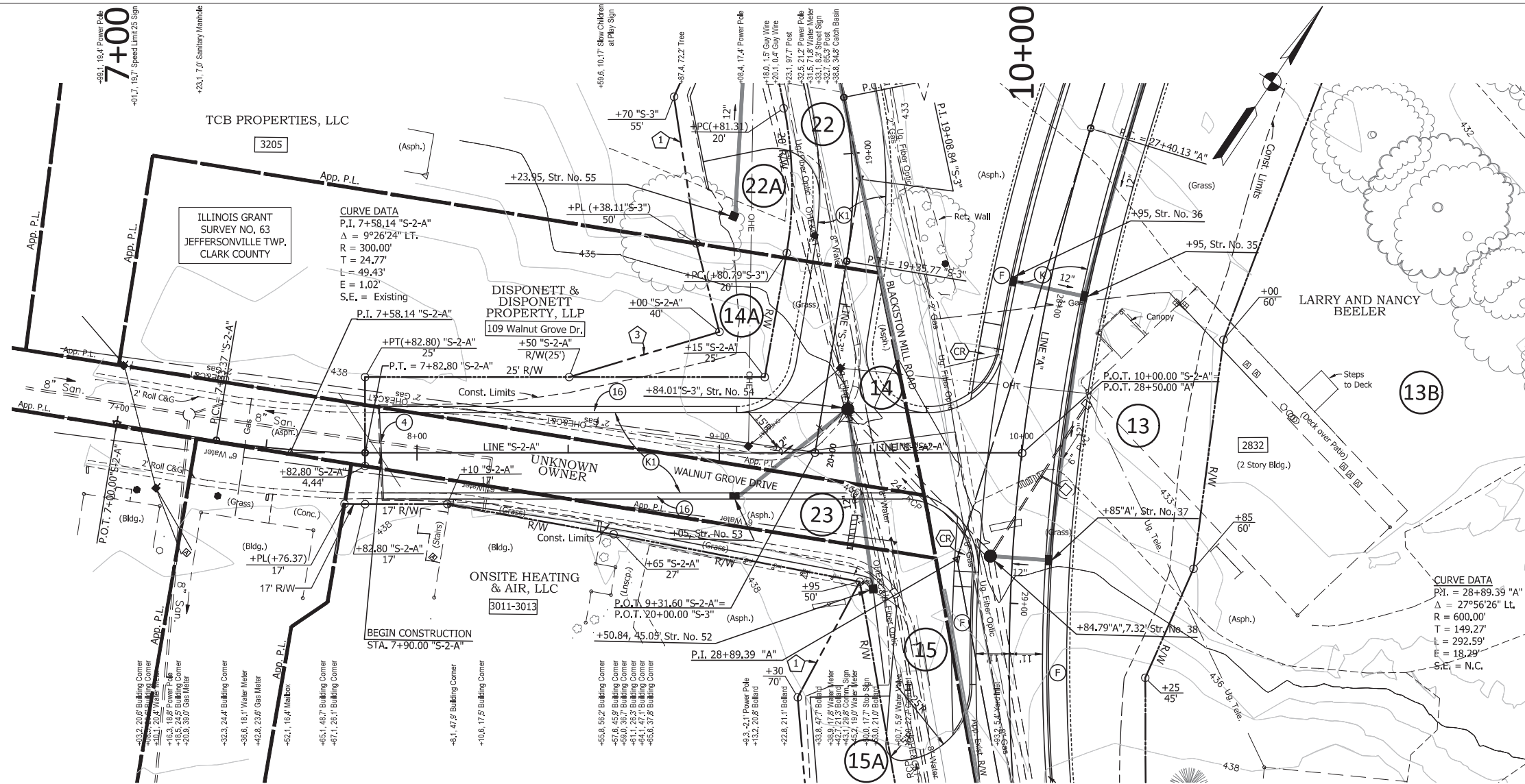
**Jacobi, Toombs & Lanz, Inc.**  
 Consulting Engineers & Land Surveyors  
 1829 East Spring Street - New Albany, Indiana 47150  
 812-945-9585 - WWW.JTLENG.COM

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: TLS	DRAWN: JW	
CHECKED: ELP	CHECKED: TLS	

INDIANA  
 DEPARTMENT OF TRANSPORTATION

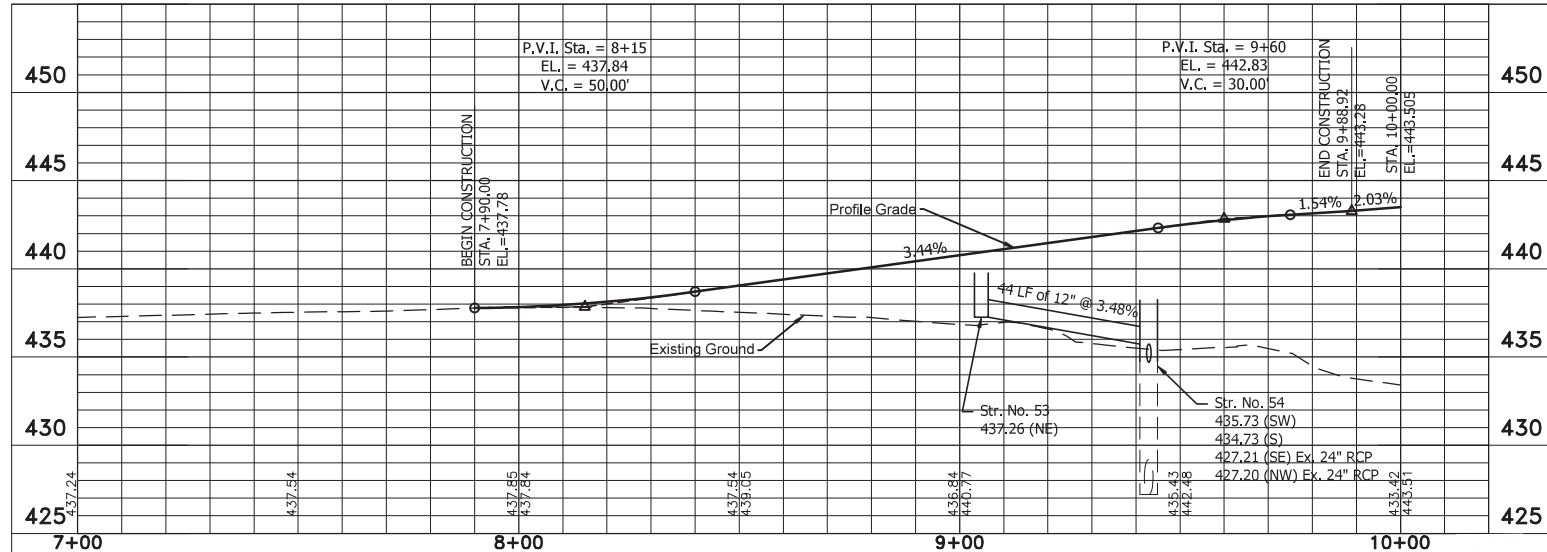
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**LINE "S-1-A"**

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	22-00051
VERTICAL SCALE	DESIGNATION
1"=5'	1700788
	SHEETS
	15 of 23
CONTRACT	PROJECT
B-40311	1700788



- LEGEND**
- (F) 4" Concrete Sidewalk
  - (K) HMA Over Aggregate Pavement \*
  - (K1) HMA Over Aggregate Pavement \*
  - (4) Sawcut
  - (15) Modified Combined Concrete Curb & Gutter
  - (16) Roll Curb & Gutter
  - (CR) Concrete Curb Ramp
  - (1) Temporary R/W for Drive Const. & Lawn Grading
  - (3) Temporary R/W for Lawn Grading
  - [ ] Address (Number Inside Rectangle Indicates Street No.)
  - (DND) Do Not Disturb
  - \* See Typical Cross Sections

**NOTES:**  
 1. All Existing and Proposed R/W Described from LINE "A", Except as Shown.



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 Consulting Engineers & Land Surveyors  
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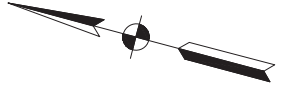
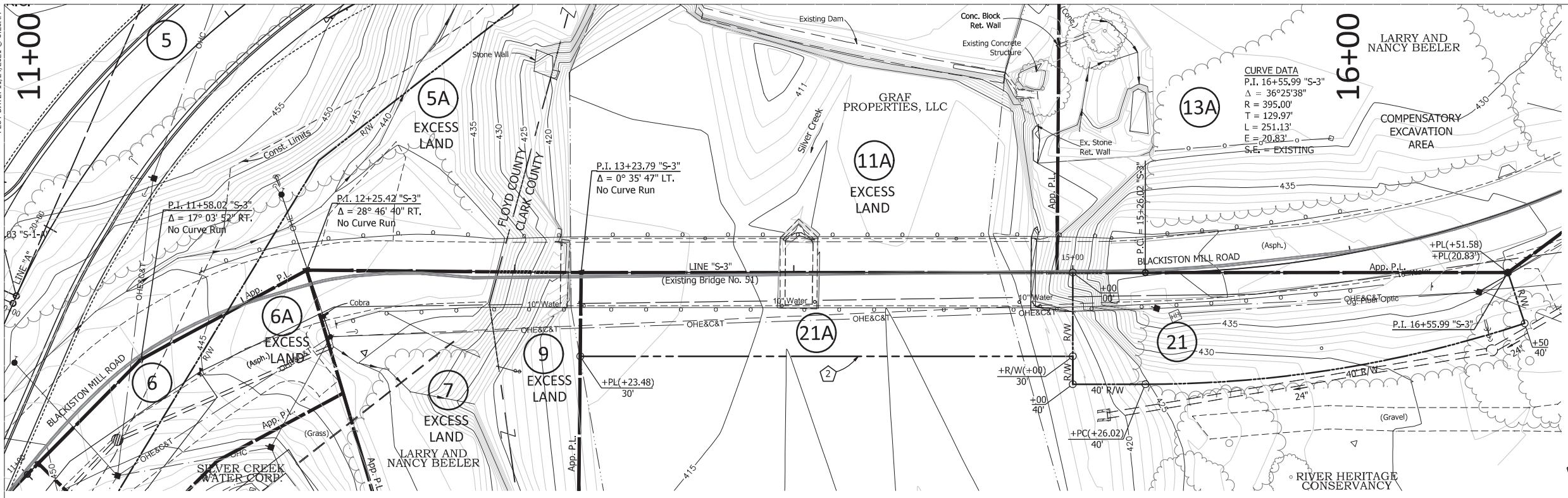
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: TLS	DRAWN: JW	
CHECKED: ELP	CHECKED: TLS	

INDIANA DEPARTMENT OF TRANSPORTATION

**PLAN & PROFILE LINE "S-2-A"**

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	22-00051
VERTICAL SCALE	DESIGNATION
1"=5'	1700788
	SHEETS
	16 of 23
CONTRACT	PROJECT
B-40311	1700788

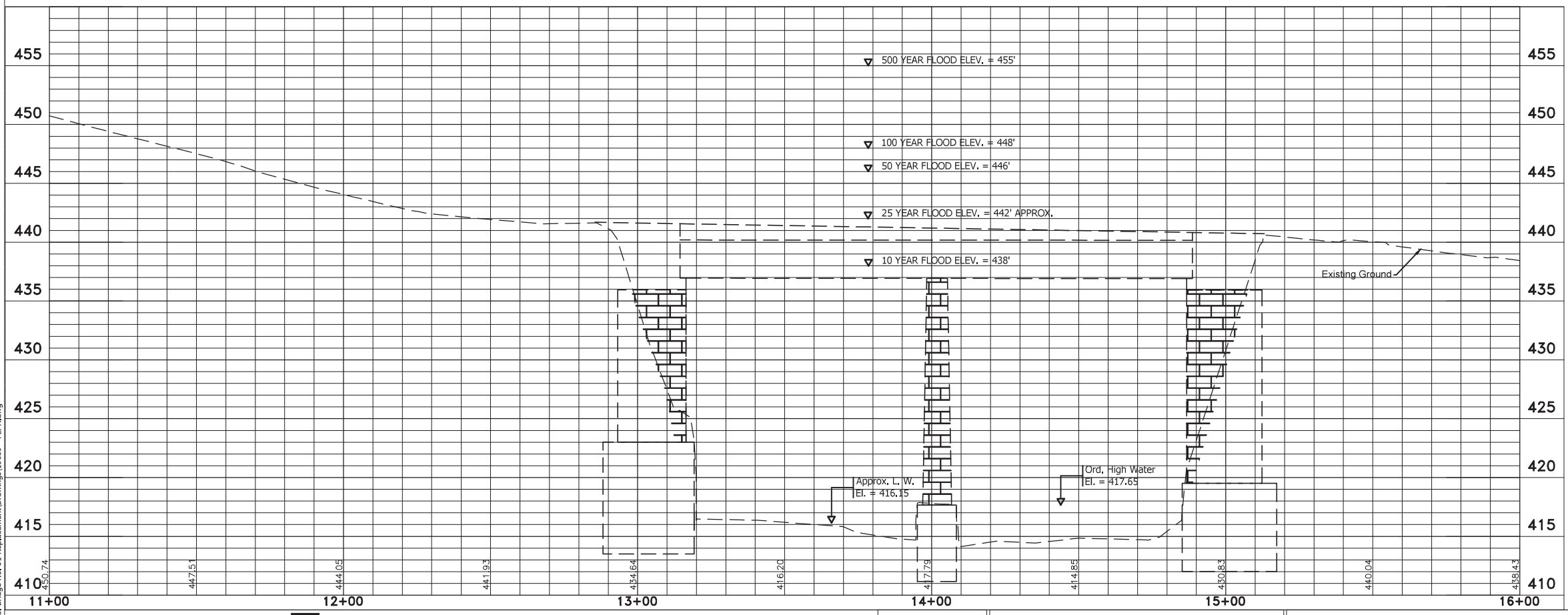
PLOT DATE: 11/24/2021 @ 8:28AM



**LEGEND**

- ② Temporary R/W for Pavement and Bridge Removal

NOTES:  
1. All Existing and Proposed R/W Described from LINE "S-3"  
Except as shown.



**Jacobi, Toombs & Lanz, Inc.**  
*Consulting Engineers & Land Surveyors*  
 1829 East Spring Street - New Albany, Indiana 47150  
 812-945-9585 - WWW.JTLENG.COM

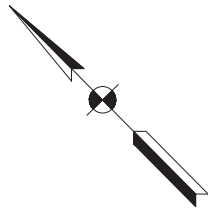
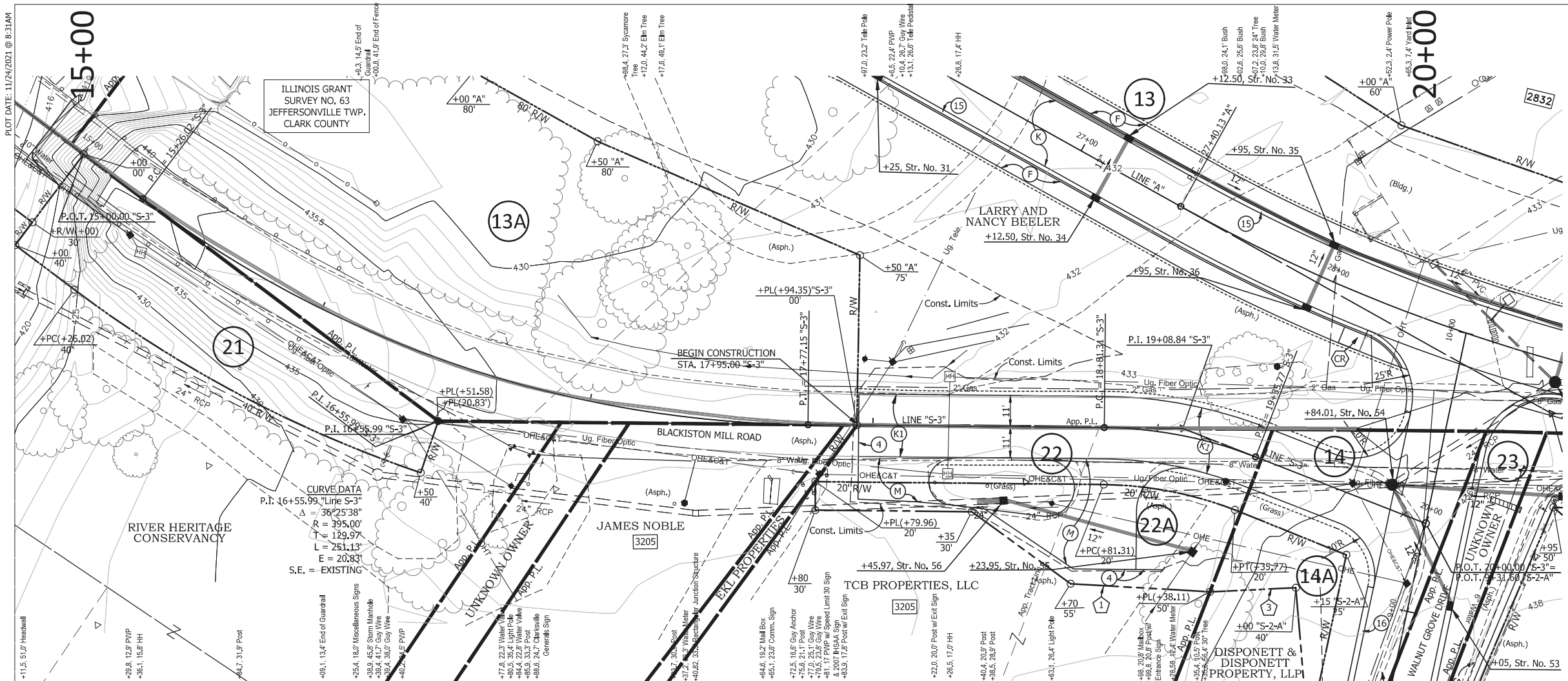
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: TLS	DRAWN: JW	
CHECKED: ELP	CHECKED: TLS	

INDIANA  
DEPARTMENT OF TRANSPORTATION

**PLAN & PROFILE  
LINE "S-3"**

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	22-00051
VERTICAL SCALE	DESIGNATION
1"=5'	1700788
	SHEETS
	17 of 23
CONTRACT	PROJECT
B-40311	1700788

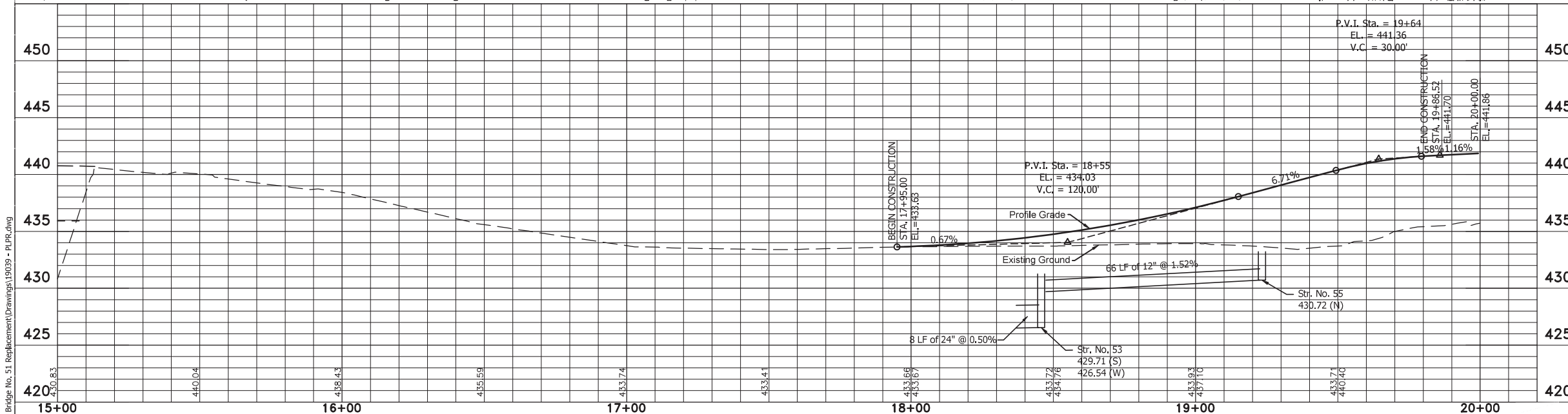
PLOT DATE: 11/24/2021 @ 8:31AM



**LEGEND**

- (C) 6" PCCP for Approaches on 6" Dense Graded Subbase on Subgrade Treatment Type II (6 in. Coarse Aggregate No. 53)
- (F) 4" Concrete Sidewalk
- (K) HMA Over Aggregate Pavement \*
- (M) HMA for Approaches, Type B
- (1) 165#/syd HMA Surface Type B on 275#/syd HMA Intermediate Type B on 6" Compacted Aggregate No. 53 on Subgrade Treatment Type II (6" Coarse Aggregate No. 53)
- (4) Sawcut
- (15) Concrete Curb
- (15) Modified Combined Concrete Curb & Gutter
- (16) Modified Combined Concrete Rolled Curb
- (26) Nursery Sodding
- (CR) Concrete Curb Ramp
- (1) Temporary Right-of-Way for Drive Const. & Lawn Grading
- (2) Temporary Right-of-Way for Pavement and Bridge Removal
- (3) Temporary Right-of-Way for Lawn Grading
- (3) Address (Number Inside Rectangle Indicates Street No.)
- (DND) Do Not Disturb
- \* See Typical Cross Sections

**NOTES:**  
 1. All Existing and Proposed R/W Described from LINE "S-3" Except as Shown.



S:\projects\19039 - Floyd Co. Bridge No. 51 (Replacement)\Drawings\19039 - PUPR.dwg

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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: TLS	DRAWN: JW	
CHECKED: ELP	CHECKED: TLS	

INDIANA DEPARTMENT OF TRANSPORTATION  
**PLAN & PROFILE**  
**LINE "S-3"**

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	22-00051
VERTICAL SCALE	DESIGNATION
1"=5'	1700788
	SHEETS
	18 of 23
CONTRACT	PROJECT
B-40311	1700788

PLOT DATE: 3/23/2022 @ 11:24AM

PROJECT	DESIGNATION
1700788	1700788
CONTRACT	
B-40311	

STRUCTURE INFORMATION				
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION
22-00051	PRESTRESSED CONCRETE I-BEAM	3 SPANS: 66'-9", 80'-0" & 66'-9" SKEW: 25° Rt.	SILVER CREEK	23+62.25 Line "A"

# INDIANA DEPARTMENT OF TRANSPORTATION



## BRIDGE PLANS

FOR SPANS OVER 20 FEET  
ROUTE: BLACKISTON MILL ROAD

PROJECT NO. 1700788 P.E.  
PROJECT NO. 1700788 R/W  
PROJECT NO. 1700788 CONST.

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
**FLOYD COUNTY BOARD OF COMMISSIONERS**

Shawn Carruthers, President \_\_\_\_\_

John Schellenberger, Member \_\_\_\_\_

Tim Kamer, Member \_\_\_\_\_

**EMPLOYEE IN RESPONSIBLE CHARGE**

Don Lopp \_\_\_\_\_  
Director of Operations and County Planner

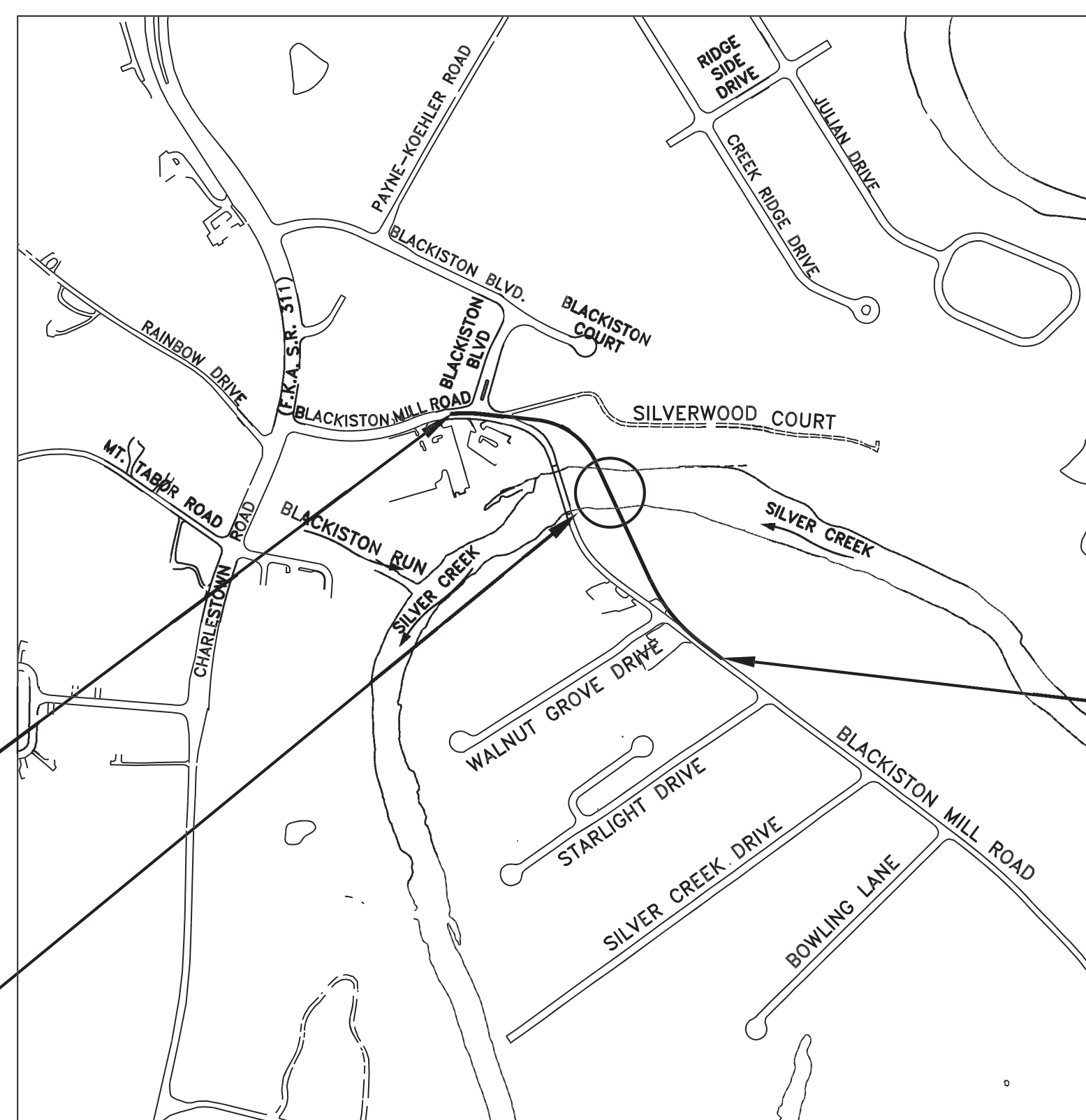
**FLOYD COUNTY ATTORNEY**

Richard Fox \_\_\_\_\_

**FLOYD COUNTY ENGINEER**

Horacio Urieta, P.E. \_\_\_\_\_

Bridge No. 51 Replacement on Blackiston Mill Road over Silver Creek  
Located 0.2 Miles East of Charlestown Road in Survey Nos. 63 & 45  
of the Clark Military Grant in New Albany Township, Floyd County,  
and Jeffersonville Township, Clark County, Indiana



BEGIN PROJECT NO. 1700788  
STA. 15+81.40 "A"

END PROJECT NO. 1700788  
STA. 31+50.00 "A"

Structure 22-00051  
Over Silver Creek  
Sta. 23+62.25 Line "A"

**TRAFFIC DATA**

A.A.D.T. (2016)	14,132 V.P.D.
A.A.D.T. (2042)	16,335 V.P.D.
D.H.V. (2042)	1,272 V.P.H.
DIRECTIONAL DISTRIBUTION	50 %
TRUCKS	7 % A.A.D.T. 8.5 % D.H.V.

**DESIGN DATA**

DESIGN SPEED	30 M.P.H.
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	MINOR ARTERIAL
RURAL/URBAN	URBAN/SUBURBAN
TERRAIN	ROLLING
ACCESS CONTROL	NONE



LATITUDE: 38°20'03" LONGITUDE: 85°47'39"

BRIDGE LENGTH:	0.041 MI.
ROADWAY LENGTH:	0.256 MI.
TOTAL LENGTH:	0.297 MI.
MAX. GRADE:	4.45 %

HUC: 051401010806

[INDIANA DEPARTMENT OF TRANSPORTATION  
STANDARD SPECIFICATIONS DATED 2021  
TO BE USED WITH THESE PLANS]



**Jacobi, Toombs & Lanz, Inc.**  
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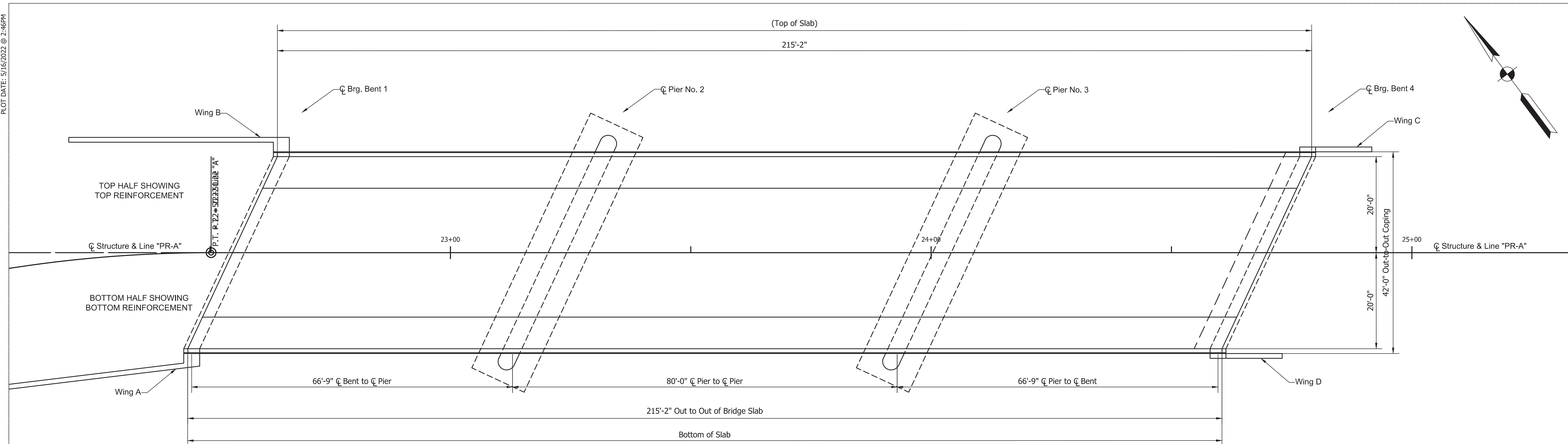
APPROVED FOR LETTING \_\_\_\_\_  
INDIANA DEPARTMENT OF TRANSPORTATION DATE

PLANS PREPARED BY: JACOBI, TOOMBS AND LANZ, INC. CONSULTING ENGINEERS 812-945-9585 PHONE NUMBER  
CERTIFIED BY: \_\_\_\_\_ PRESIDENT DATE  
CERTIFIED BY: \_\_\_\_\_ TRANSPORTATION MANAGER DATE

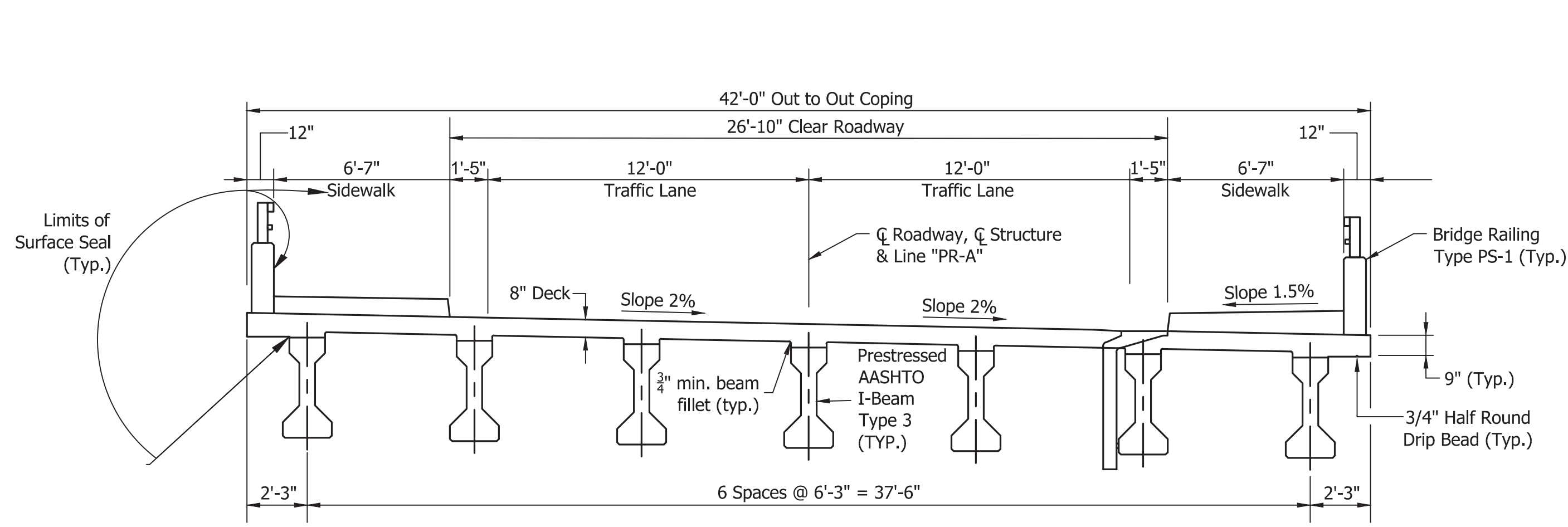
BRIDGE FILE	22-00051
DESIGNATION	1700788
SHEETS	1 of 1
CONTRACT	B-40311
PROJECT	1700788

PLOT DATE: 5/16/2022 @ 2:46PM

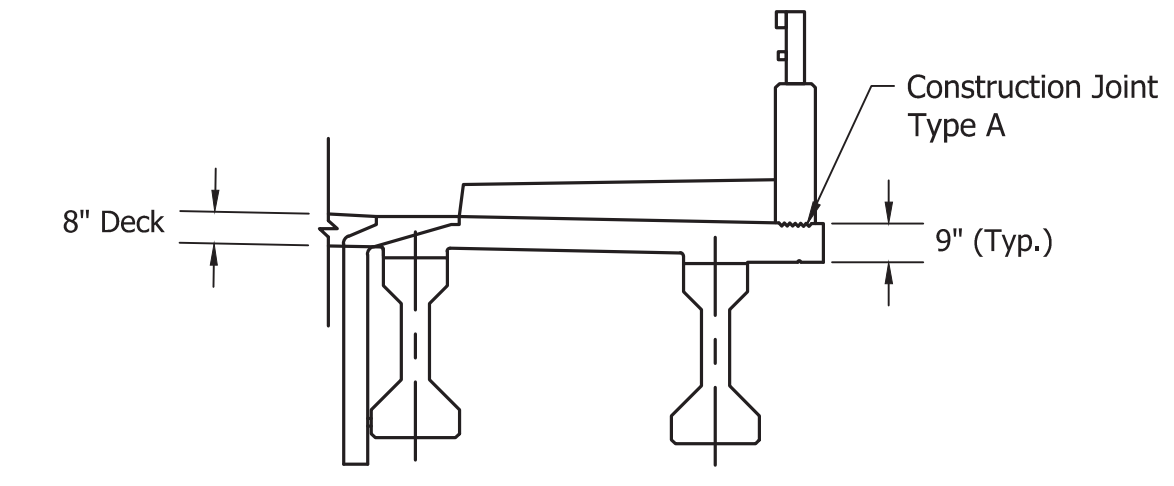
S:\projects\19039 - Floyd Co. Bridge No. 51 Replacement\Drawings\19039 - SUPERSTRUCTURE DETAILS 1.dwg



FLOOR PLAN  
SCALE: 1"=10'



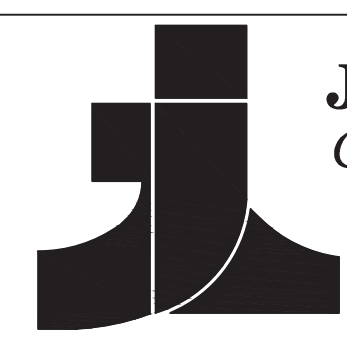
TYPICAL SECTION  
SCALE: 1/4"=1'-0"



DETAIL A  
SCALE: 1/4"=1'

NOTES

1. All reinforcing bars shall be epoxy-coated.
2. For Section A-A, see Drawing C12.
3. For reinforcing bar bending diagrams, see Drawing C12.
4. The top reinforcing in the deck shall be securely tied down to the deck forms and/or beams to prevent lifting during concrete placement.
5. Suitable restraint shall be provided to prevent the rotation of the exterior beams from construction load such as finishing machine, forms, etc.



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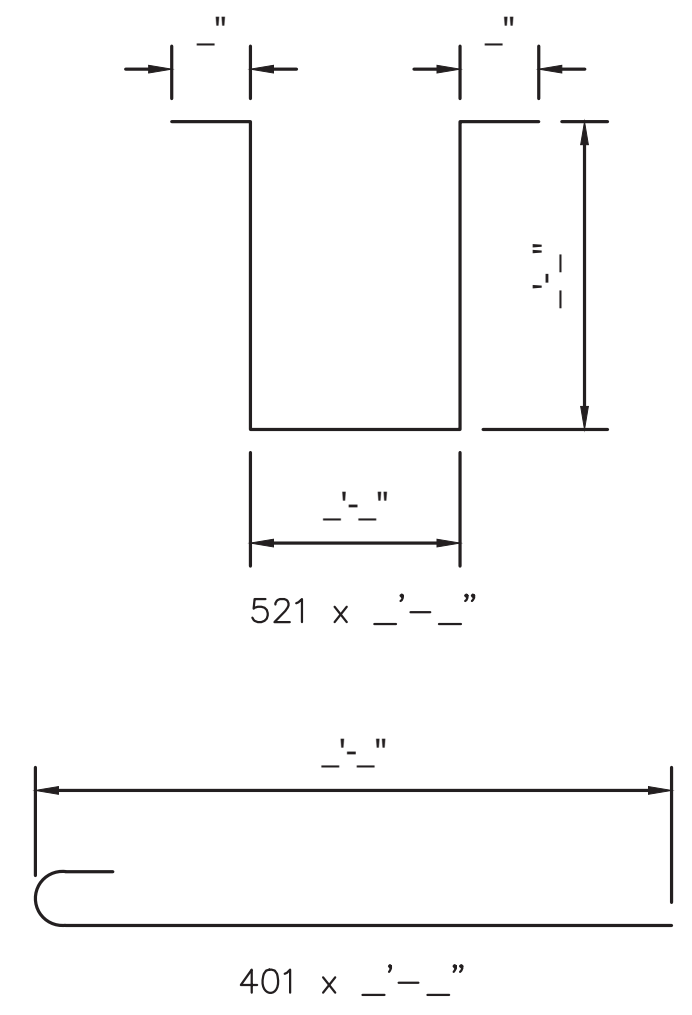
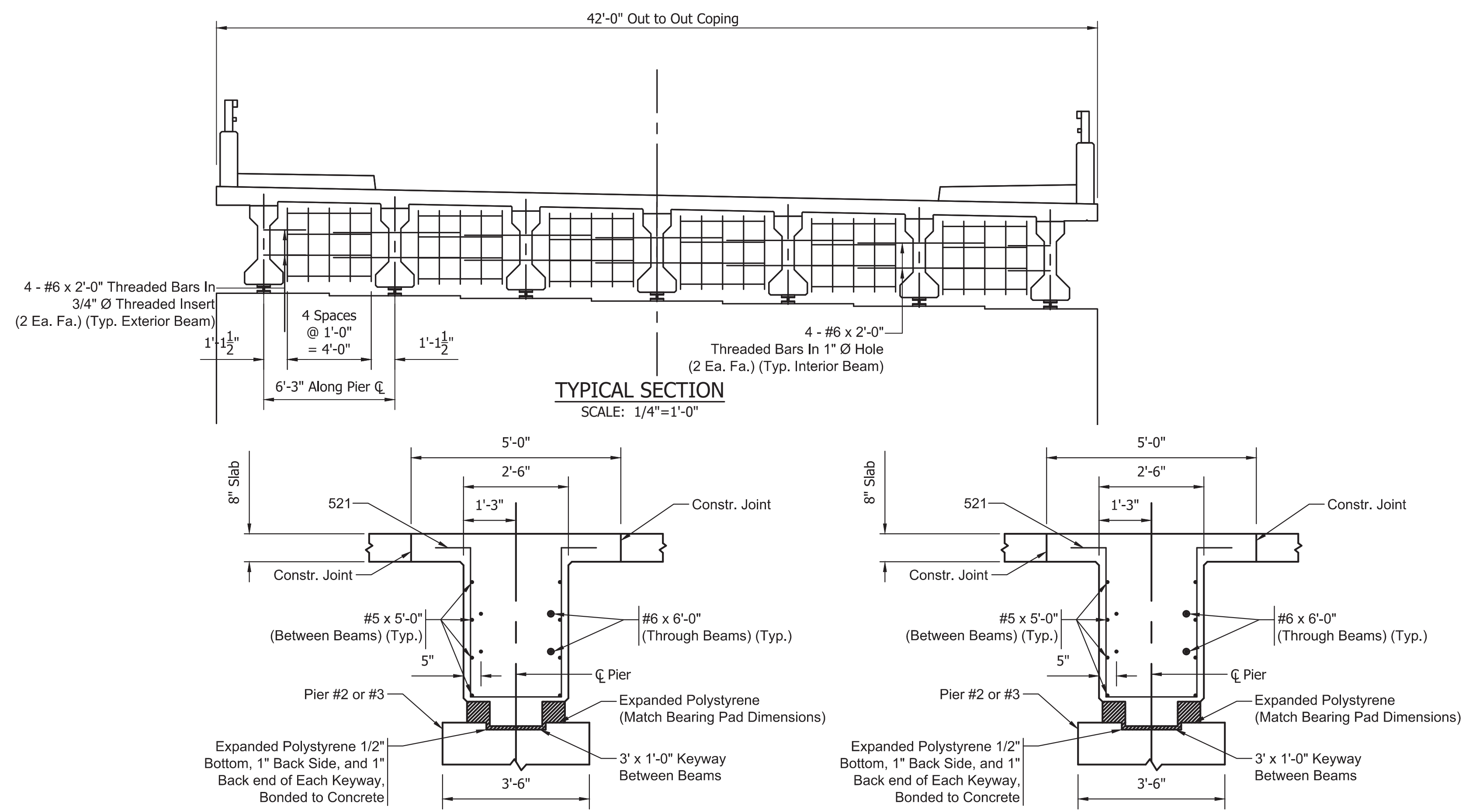
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: _____	DRAWN: _____	
CHECKED: _____	CHECKED: _____	

INDIANA  
DEPARTMENT OF TRANSPORTATION  
  
SUPERSTRUCTURE DETAILS

BRIDGE FILE	22-00051
DESIGNATION	1700788
SHEETS	of
CONTRACT	PROJECT
B-40311	1700788



PLOT DATE: 5/16/2022 @ 2:56PM



**BAR BENDING DETAILS**  
Not to Scale

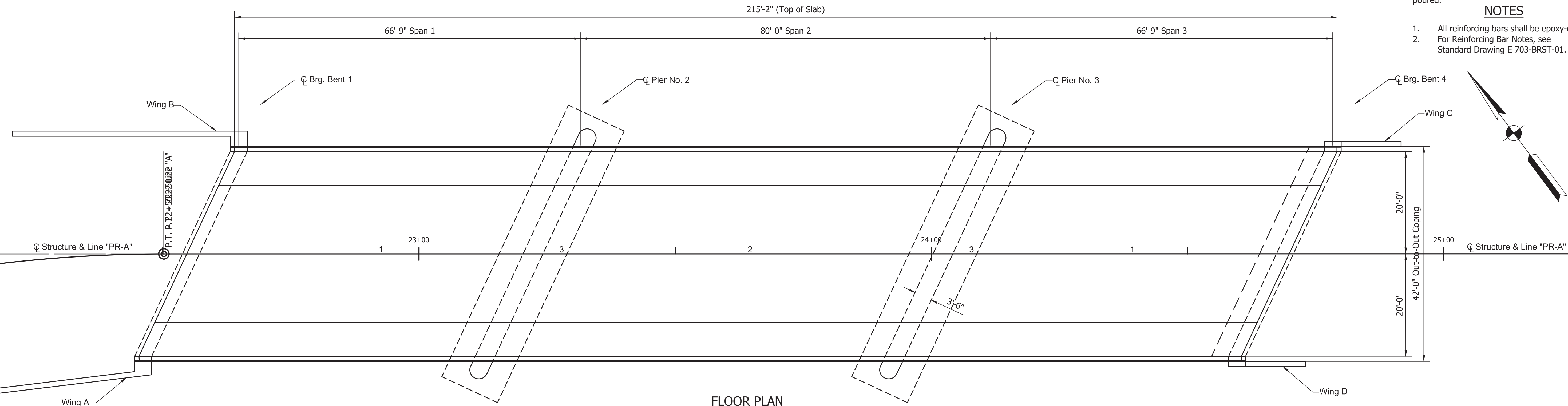
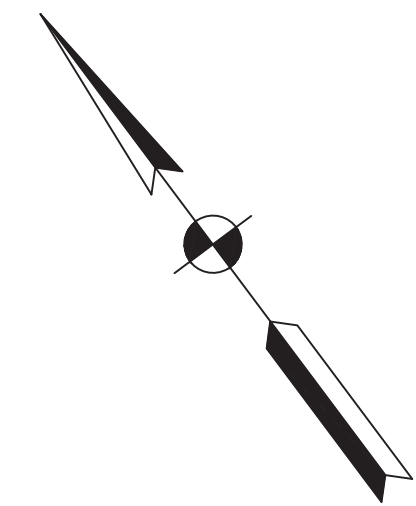
BILL OF MATERIALS SUPERSTRUCTURE			
EPOXY COATED, REINFORCING BAR			
Size & Mark	No. of Bars	Length	Weight (Lbs.)
#8	---	'--"	---
TOTAL #8			
#6	---	'--"	---
#6	---	'--"	---
#6	---	'--"	---
TOTAL #6			
521	---	'--"	---
#5	---	'--"	---
#5	---	'--"	---
#5	---	'--"	---
#5	---	'--"	---
TOTAL #5			
#401	---	'--"	---
TOTAL #4			
Total Epoxy-Coated Reinforcing Bars			
CONCRETE			
Total Concrete Class C			
MISCELLANEOUS			
#5 x 6'-0" Epoxy-Coated Threaded Tie-Bar Assembly			
Surface Seal			

**POUR NOTES**

Pour numbers indicate sequence of pours, pours over interior supports shall be made last to reduce the effect of the slab dead load in the negative moment area. Pour #3 will include the diaphragm at the support and shall be held to a 5'-0" length. Interior diaphragms will be poured before slab is poured.

**NOTES**

- All reinforcing bars shall be epoxy-coated.
- For Reinforcing Bar Notes, see Standard Drawing E 703-BRST-01.



**FLOOR PLAN**  
SCALE: 1"=10'

S:\projects\19039 - Floyd Co. Bridge No. 51 Replacement\Drawings\19039 - SUPERSTRUCTURE DETAILS 2.dwg

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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: _____	DRAWN: _____	
CHECKED: _____	CHECKED: _____	

INDIANA  
DEPARTMENT OF TRANSPORTATION

**SUPERSTRUCTURE DETAILS**

BRIDGE FILE	22-00051
DESIGNATION	1700788
SHEETS	of
CONTRACT	PROJECT
B-40311	1700788