

PROJECT	DESIGNATION
1700121	1700121
CONTRACT	BRIDGE FILE
RS 40573	N/A

INDIANA DEPARTMENT OF TRANSPORTATION



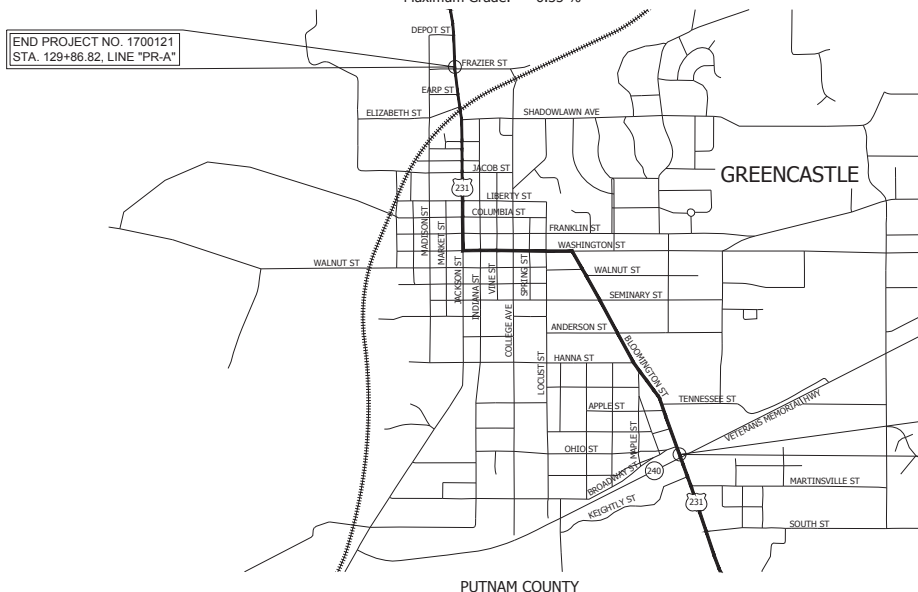
ROAD PLANS

U.S. 231 ROAD REHABILITATION

AT: RP 149+06 TO RP 150+67
PROJECT NO. 1700121 P.E.
1700121 R/W
1700121 CONST.

U.S. 231 ROAD REHABILITATION AND RECONSTRUCTION BEGINNING AT A POINT 0.03 MILES SOUTH OF THE INTERSECTION OF S.R. 240 (SOUTH STREET) EXTENDING NORTHWARD THROUGH THE CITY OF GREENCASTLE TO THE INTERSECTION OF FRAZIER STREET IN SECTIONS 16, 21, & 28, TOWNSHIP 14 NORTH, RANGE 4 WEST IN GREENCASTLE TOWNSHIP, PUTNAM COUNTY, INDIANA.

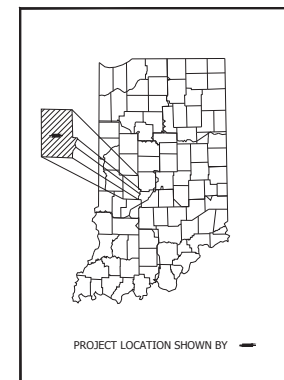
Gross Length: 1.57 MI.
Net Length: 1.57 MI.
Maximum Grade: 6.35 %



END PROJECT NO. 1700121
STA. 129+86.82, LINE "PR-A"

BEGIN PROJECT NO. 1700121
STA. 46+74.00, LINE "A"

TRAFFIC DATA		STA. 46+74 TO 88+44 LINE "A"
A.A.D.T. (2017)		10,580 V.P.D.
A.A.D.T. (2042)		13,300 V.P.D.
D.J.V. (2042)		9.66 %
DIRECTIONAL DISTRIBUTION		55.13 %
TRUCKS		8.96 % A.A.D.T. 7.78 % D.J.V.
TRAFFIC DATA		STA. 88+44 TO 123+15 LINE "A"
A.A.D.T. (2017)		14,130 V.P.D.
A.A.D.T. (2042)		19,900 V.P.D.
D.J.V. (2042)		12.38 %
DIRECTIONAL DISTRIBUTION		50.17 %
TRUCKS		6.87 % A.A.D.T. 3.33 % D.J.V.
TRAFFIC DATA		STA. 123+15 TO 129+86.82 LINE "PR-A"
A.A.D.T. (2017)		9,180 V.P.D.
A.A.D.T. (2042)		9,820 V.P.D.
D.J.V. (2042)		9.77 %
DIRECTIONAL DISTRIBUTION		49.51 %
TRUCKS		8.05 % A.A.D.T. 4.89 % D.J.V.
DESIGN DATA		STA. 46+74 TO 122+00.00 LINE "A"
DESIGN SPEED		30 M.P.H.
PROJECT DESIGN CRITERIA		4R (RECONSTRUCTION)
FUNCTIONAL CLASSIFICATION		OTHER PRINCIPAL ARTERIAL
RURAL/URBAN		URBAN (BUILT-UP)
TERRAIN		LEVEL
ACCESS CONTROL		NONE
DESIGN DATA		STA. 122+85.03 TO 129+86.82 LINE "PR-A"
DESIGN SPEED		40 M.P.H.
PROJECT DESIGN CRITERIA		4R (RECONSTRUCTION)
FUNCTIONAL CLASSIFICATION		OTHER PRINCIPAL ARTERIAL
RURAL/URBAN		URBAN (INTERMEDIATE)
TERRAIN		LEVEL
ACCESS CONTROL		NONE



BEGIN: LATITUDE: 39° 38' 04" N LONGITUDE: 86° 51' 10" W
END: LATITUDE: 39° 39' 08" N LONGITUDE: 86° 51' 57" W

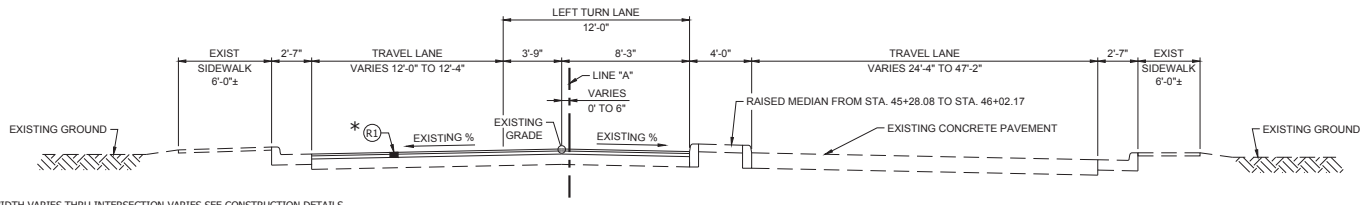
INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2020
TO BE USED WITH THESE PLANS.



8770 NORTH ST., STE. 110
FISHERS, IN 46038
P: 317.588.1798
F: 317.588.1799
WWW.RQAW.COM

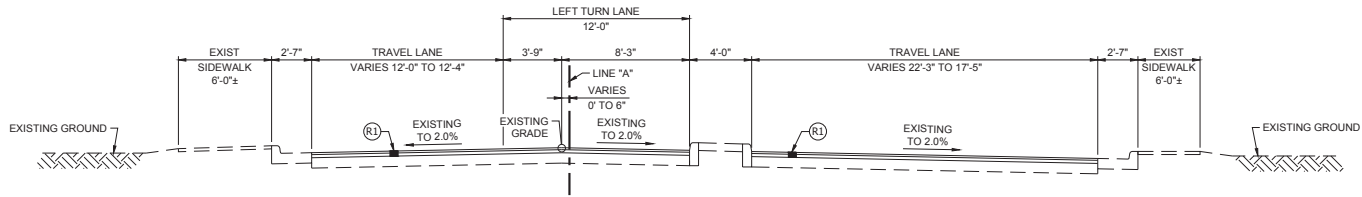
PLANS PREPARED BY: RQAW Corporation, Inc. 317-588-1798
PHONE NUMBER
CERTIFIED BY: DATE
APPROVED FOR LETTING: INDIANA DEPARTMENT OF TRANSPORTATION DATE

BRIDGE FILE	N/A
DESIGNATION	1700121
SURVEY BOOK	SHEET
1	of 185
CONTRACT	PROJECT
RS 40573	1700121

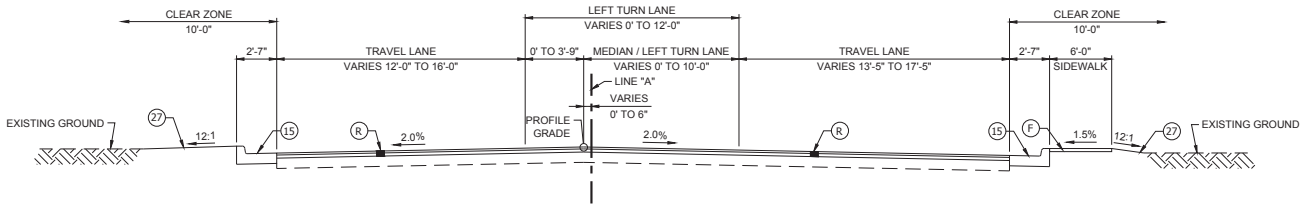


* - MILLING WIDTH VARIES THRU INTERSECTION VARIES SEE CONSTRUCTION DETAILS

INCIDENTAL TYPICAL SECTION
STA. 43+47.69 TO STA. 46+02.17 "A"



INCIDENTAL TYPICAL SECTION
STA. 46+02.17 TO STA. 46+74 "A"



TYPICAL SECTION
STA. 46+74 TO STA. 49+30 "A"

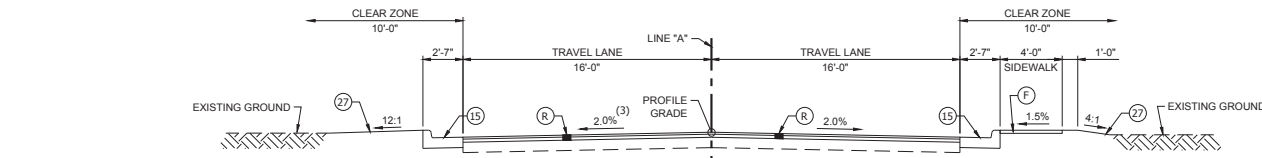
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 ROAD BENCHMARK INFORMATION: TYPICAL\18021\PROPOSED.DWG

LEGEND	
(15) Combined Concrete Curb & Gutter	(K) Full Depth Pavement
(26) Sodding, Nursery	(U) Compacted Agg. No. 53
(27) Seed Mixture, U	(R) Milling, Asphalt 2.0" 4" Resurface
(C) Concrete Sidewalk, 4"	(X) Brick Pavers
(RL) Milling, Asphalt 1.5" 1.5" Resurface	
(U) Underdrain	

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: L.L.C.	DRAWN: K.R.U.	
CHECKED: B.C.F.	CHECKED: L.L.C.	

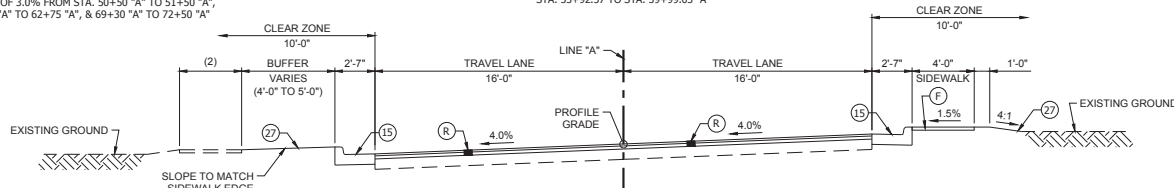
INDIANA DEPARTMENT OF TRANSPORTATION
PROPOSED TYPICAL CROSS SECTIONS
U.S. 231

HORIZONTAL SCALE	BRIDGE FILE
1/2" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	3 of 185
CONTRACT	PROJECT
RS 40573	1700121

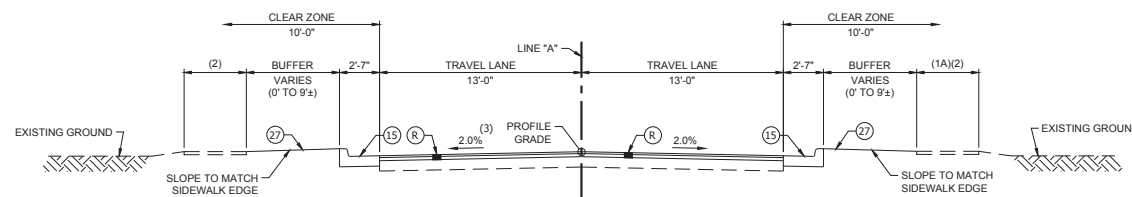


TYPICAL SECTION
 STA. 49+30 TO STA. 53+92.57 "A"
 STA. 53+92.57 TO STA. 59+99.65 "A"

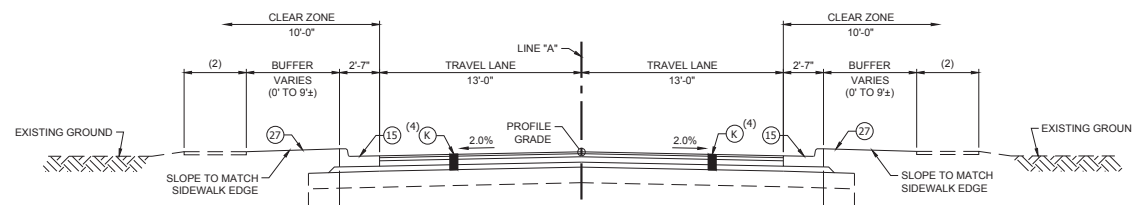
(1) BUFFER AND SIDEWALK 0'-0" FROM STA. 49+30 "A" TO STA. 54+40.33 "A"
 BUFFER 0'-0" FROM STA. 58+25 "A" TO STA. 62+25 "A"
 (1a) SIDEWALK 6'-0" IN WIDTH FROM STA. 59+99.65 "A" TO STA. 61+67.81 "A"
 (2) EXISTING SIDEWALK NOT TO BE DISTURBED, STA. 53+92.57 "A" TO STA. 54+40.33 "A",
 SEE CONSTRUCTION DETAIL
 (3) CROSS SLOPE OF 3.0% FROM STA. 50+50 "A" TO 51+50 "A",
 58+75 "A" TO 62+75 "A", & 69+30 "A" TO 72+50 "A"



TYPICAL SECTION - SUPERELEVATED
 STA. 54+40.33 TO STA. 55+74.82 "A"



TYPICAL SECTION
 STA. 59+99.65 TO STA. 65+96.68 "A"



TYPICAL SECTION
 STA. 65+96.68 TO STA. 66+46.68 "A"
 STA. 68+13.27 TO STA. 68+63.27 "A"

(4) PAVING EXCEPTION; STA. 66+46.68 "A" TO STA. 68+13.27 "A"

LEGEND

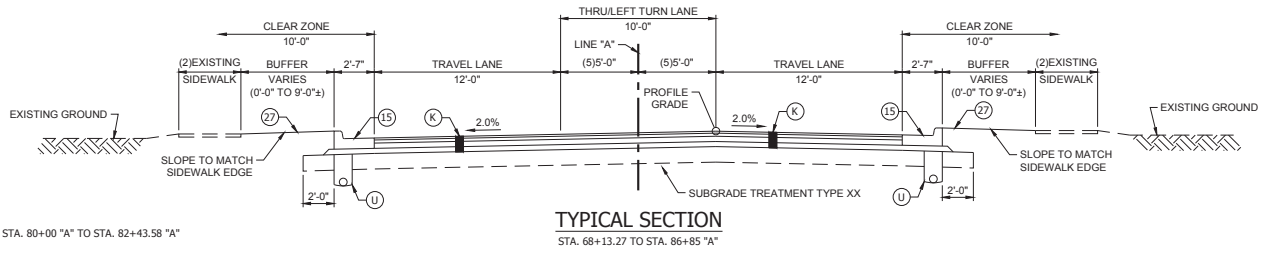
(15) Combined Concrete Curb & Gutter	(K) Full Depth Pavement	(R) Milling, Asphalt 1.5" 1.5" Resurface
(27) Sodding, Nursery	(U) Underdrain	(R) Milling, Asphalt 2.0" 4" Resurface
(7) Seed Mixture, U	(O) Compacted Agg. No. 53	(X) Brick Pavers
(F) Concrete Sidewalk, 4"		

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: L.L.C.	DRAWN: K.R.U.	
CHECKED: B.C.F.	CHECKED: L.L.C.	

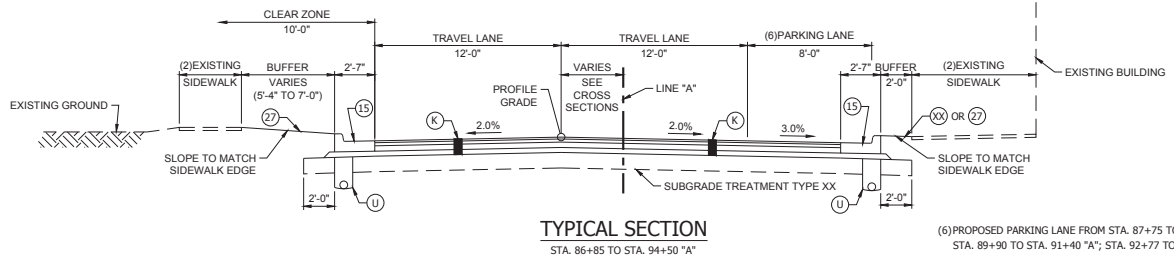
INDIANA DEPARTMENT OF TRANSPORTATION
PROPOSED TYPICAL CROSS SECTIONS
 U.S. 231

HORIZONTAL SCALE	BRIDGE FILE
1/2" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	4 of 185
CONTRACT	PROJECT
RS 40573	1700121

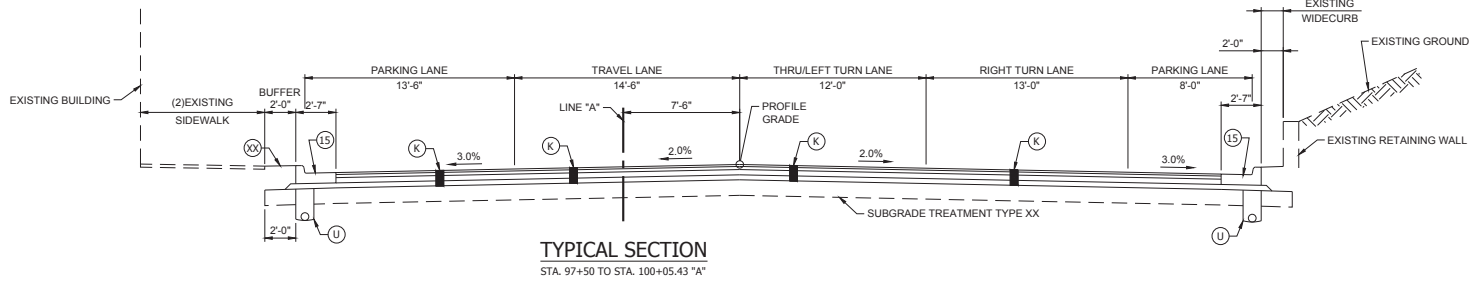
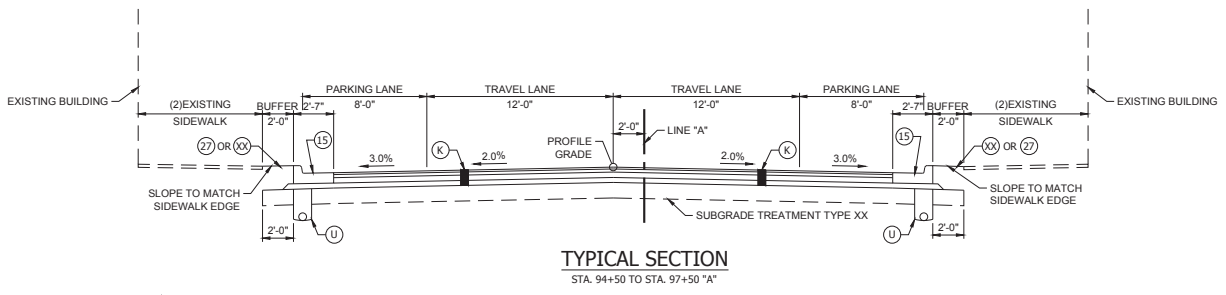
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(5)0'-0" FROM STA. 80+00 "A" TO STA. 82+43.58 "A"



(6) PROPOSED PARKING LANE FROM STA. 87+75 TO STA. 88+80 "A";
STA. 89+90 TO STA. 91+40 "A"; STA. 92+77 TO STA. 94+00



LEGEND

(15) Combined Concrete Curb & Gutter	(K) Full Depth Pavement	(R) Milling, Asphalt 1.5" 1.5" Resurface
(26) Sodding, Nursery	(U) Underdrain	(XX) Brick Pavers
(27) Seed Mixture, U	(15) Compacted Agg. No. 53	
(P) Concrete Sidewalk, 4"	(R) Milling, Asphalt 2.0" 4" Resurface	

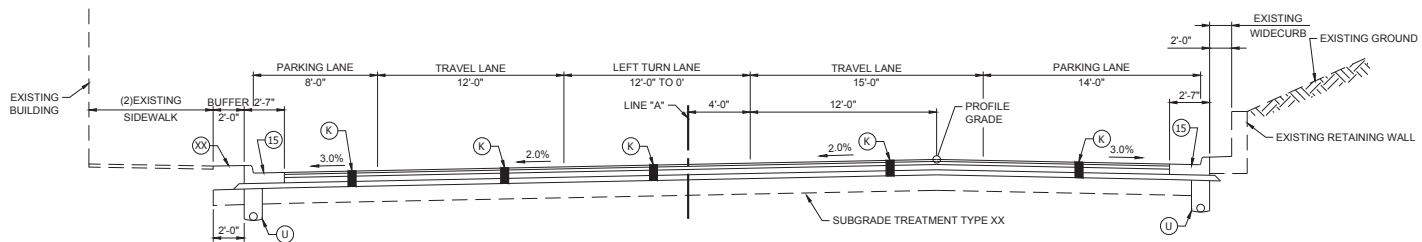
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: L.L.C.	DRAWN: K.R.U.	
CHECKED: B.C.F.	CHECKED: L.L.C.	

INDIANA DEPARTMENT OF TRANSPORTATION

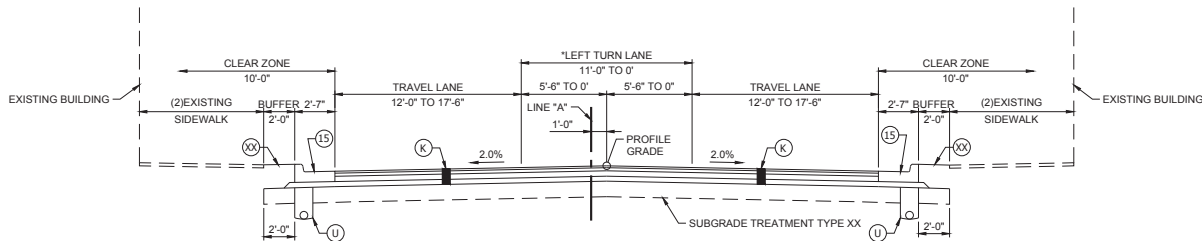
PROPOSED TYPICAL CROSS SECTIONS
U.S. 231

HORIZONTAL SCALE	BRIDGE FILE
1/2" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	5 of 185
CONTRACT	PROJECT
RS 40573	1700121

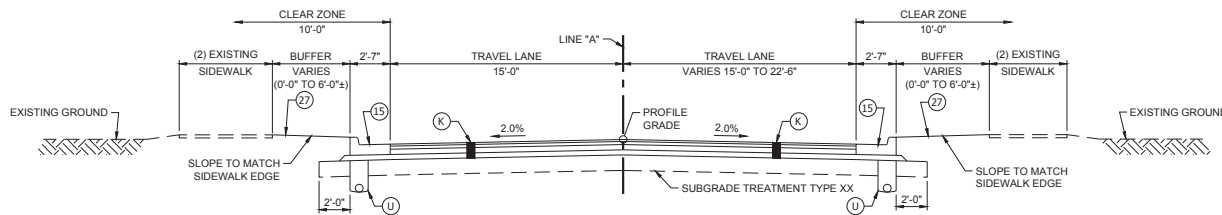
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TYPICAL SECTION
STA. 100+05.43 TO STA. 102+50 "A"

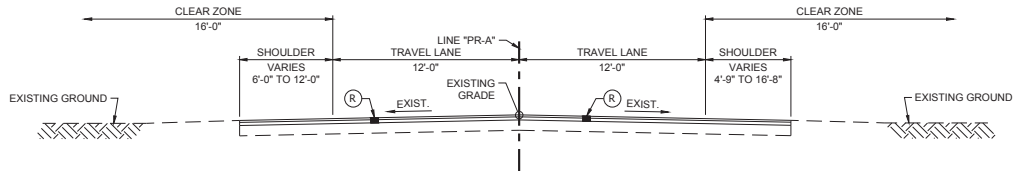


TYPICAL SECTION
STA. 102+50 TO STA. 105+30 "A"



TYPICAL SECTION
STA. 105+30 TO STA. 122+25 "A"

PAVING EXCEPTION - STA. 122+25 TO STA. 123+05.00 "A"
(RAILROAD CROSSING)



TYPICAL SECTION
STA. 123+05.00 "A" TO STA. 129+86.82 "PR-A"

LEGEND

- (15) Combined Concrete Curb & Gutter
- (26) Sodding, Nursery
- (27) Seed Mixture, U
- (C) Concrete Sidewalk, 4"
- (K) Full Depth Pavement
- (U) Compacted Agg. No. 53
- (R) Milling, Asphalt 2.0" 4" Resurface
- (R) Milling, Asphalt 1.5" 1.5" Resurface
- (U) Underdrain
- (XX) Brick Pavers

RECOMMENDED FOR APPROVAL _____ DATE _____
DESIGN ENGINEER

DESIGNED: L.L.C. DRAWN: K.R.U.
CHECKED: B.C.F. CHECKED: L.L.C.

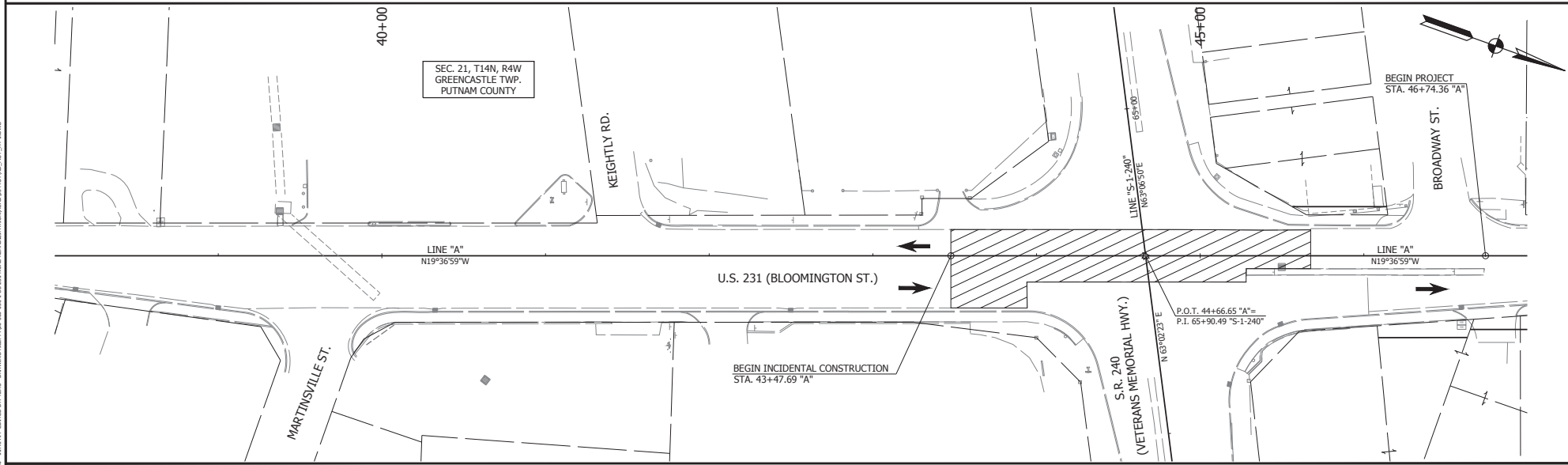
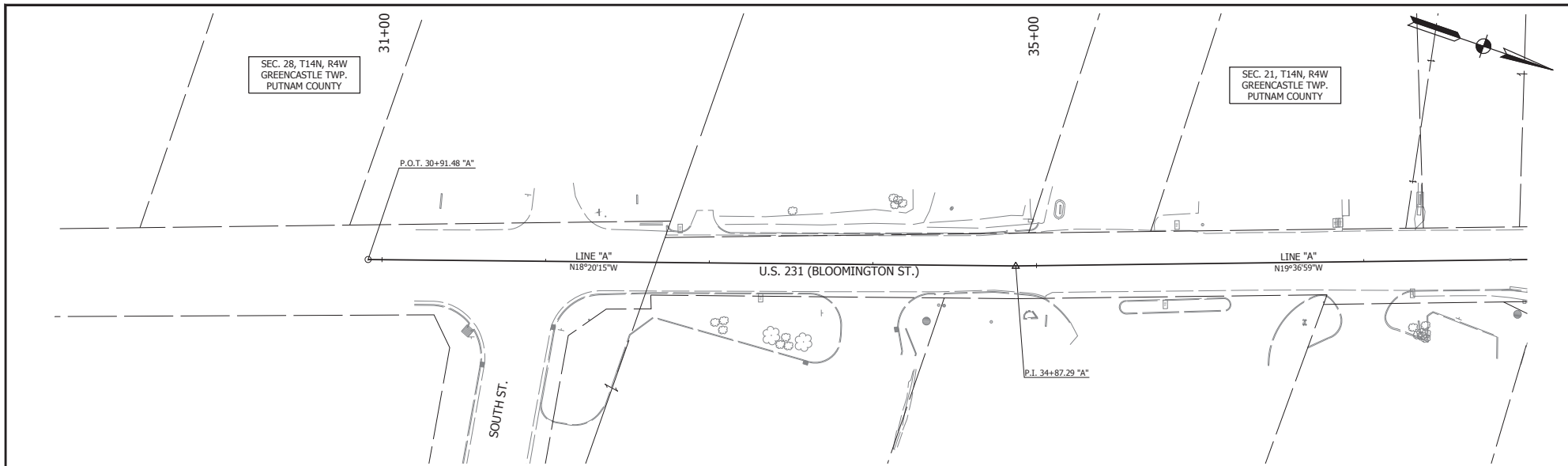
INDIANA DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL CROSS SECTIONS
U.S. 231

HORIZONTAL SCALE	BRIDGE FILE
1/2" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	6 of 185
CONTRACT	PROJECT
RS 40573	1700121

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LEGEND

AREA OF CONSTRUCTION
MILL AND RESURFACE

AREA OF CONSTRUCTION
FULL DEPTH PAVEMENT REPLACEMENT

WORK ZONE DESIGN SPEED = 20 MPH

RECOMMENDED FOR APPROVAL _____ DATE _____
 DESIGN ENGINEER _____

DESIGNED: K.R.U. DRAWN: K.R.U.

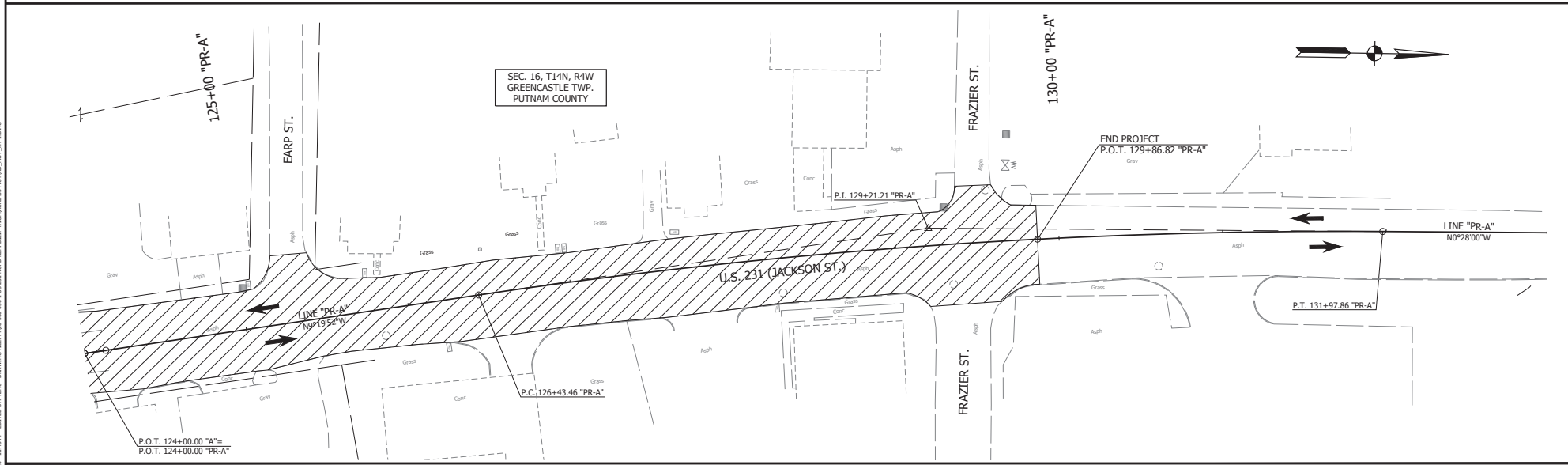
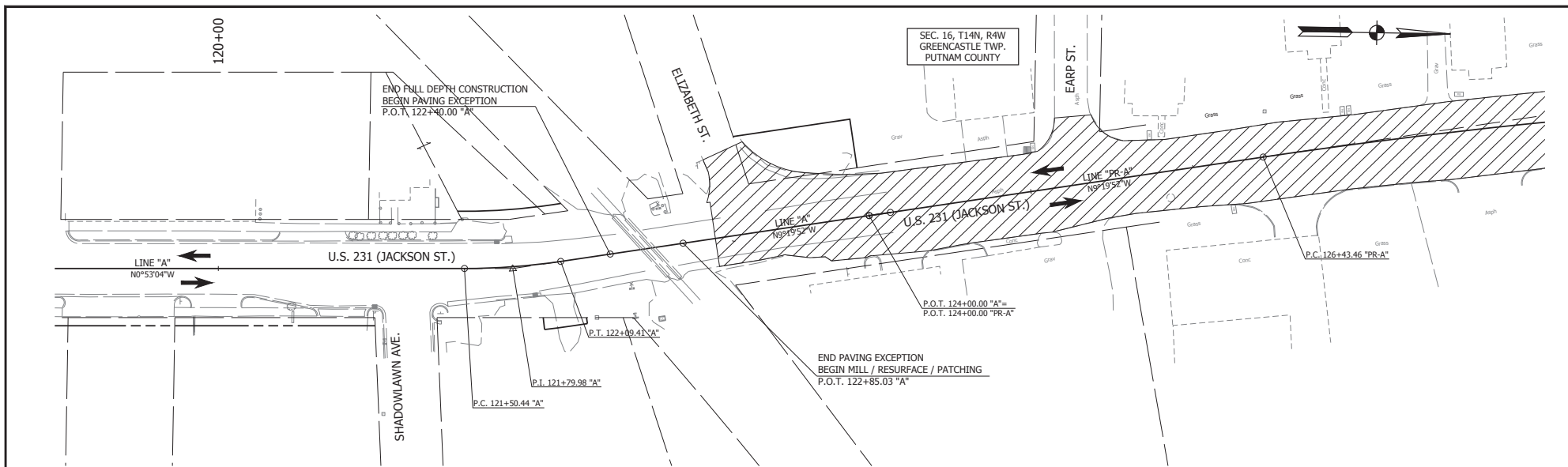
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INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE I

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	7 of 185
CONTRACT	PROJECT
RS 40573	1700121

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LEGEND

AREA OF CONSTRUCTION
MILL AND RESURFACE

AREA OF CONSTRUCTION
FULL DEPTH PAVEMENT REPLACEMENT

WORK ZONE DESIGN SPEED = 20 MPH

RECOMMENDED FOR APPROVAL _____ DATE _____

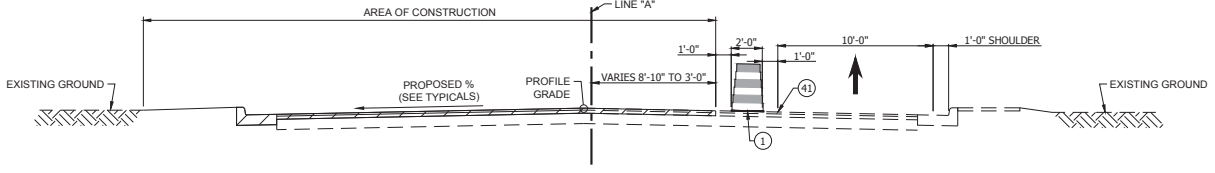
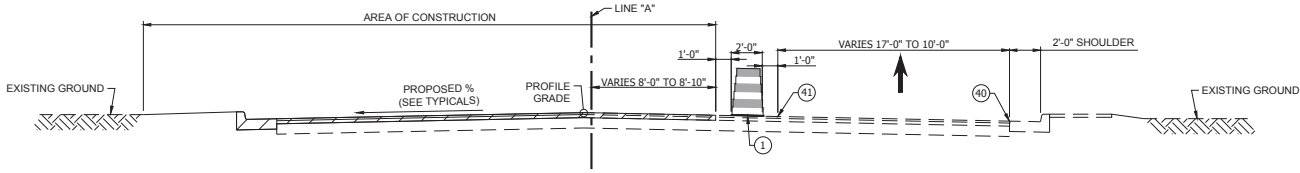
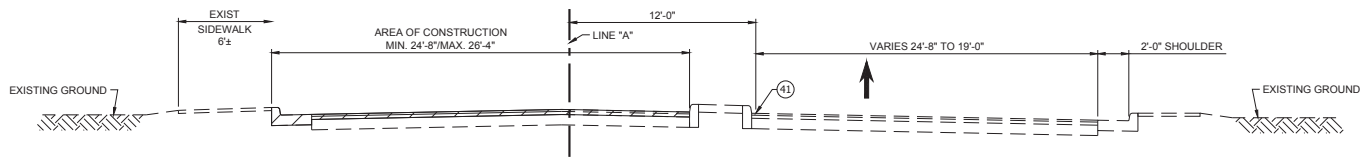
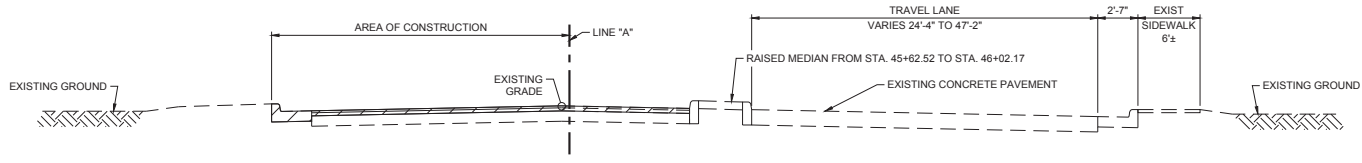
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CHECKED: L.L.C. CHECKED: L.L.C.

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE I

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	9 of 185
CONTRACT	PROJECT
RS 40573	1700121



- LEGEND**
- ▨ AREA OF CONSTRUCTION
 - ① CONSTRUCTION DRUM
 - ② TEMPORARY CONCRETE BARRIER
 - ④⑩ TEMP. PAVEMENT MARKINGS, SOLID WHITE, 4"
 - ④⑪ TEMP. PAVEMENT MARKINGS, SOLID YELLOW, 4"

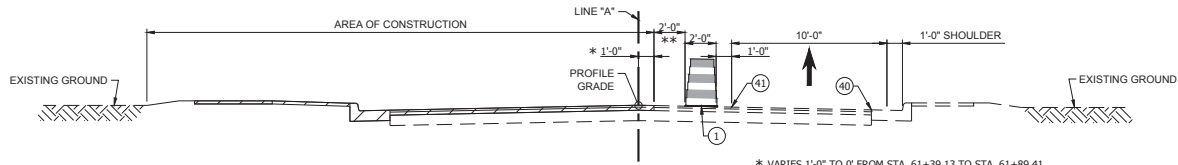
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: L.L.C.	DRAWN: K.R.U.	
CHECKED: B.C.F.	CHECKED: L.L.C.	

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - PHASE 1-A
U.S. 231

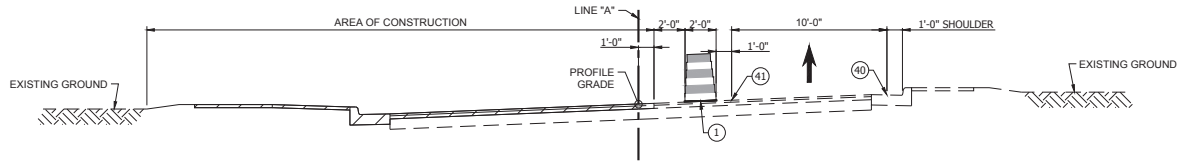
HORIZONTAL SCALE	BRIDGE FILE
1/2" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	10 of 185
CONTRACT	PROJECT
RS 40573	1700121

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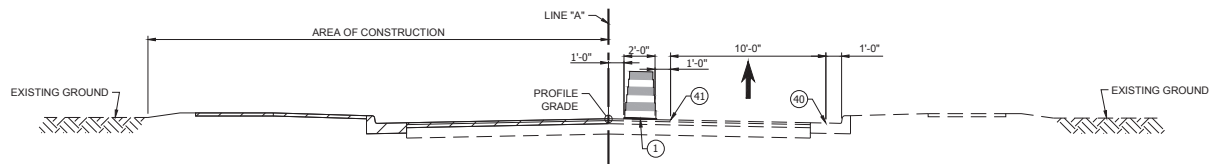


TYPICAL SECTION
 STA. 49+30 TO STA. 54+40.33 "A"
 STA. 55+74.82 "A" TO STA. 62+90.41 "A"

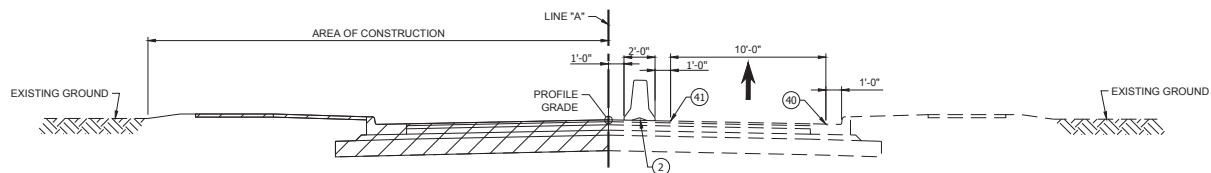
* VARIES 1'-0" TO 0' FROM STA. 61+39.13 TO STA. 61+89.41
 ** VARIES 2'-0" TO 1'-0" FROM STA. 61+39.13 TO STA. 62+90.41



TYPICAL SECTION - SUPERELEVATED
 STA. 54+40.33 TO STA. 55+74.82 "A"



TYPICAL SECTION
 STA. 62+90.41 TO STA. 65+26.69 "A"
 STA. 69+32.80 TO STA. 80+00 "A"



(3) PAVING EXCEPTION; STA. 66+46.68 "A" TO STA. 68+12.80 "A"

TYPICAL SECTION
 STA. 65+26.69 TO STA. 66+46.68 "A"
 STA. 68+12.80 TO STA. 69+32.80 "A"

- LEGEND**
- AREA OF CONSTRUCTION
 - CONSTRUCTION DRUM
 - TEMPORARY CONCRETE BARRIER
 - TEMP. PAVEMENT MARKINGS, SOLID WHITE, 4"
 - TEMP. PAVEMENT MARKINGS, SOLID YELLOW, 4"

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: L.L.C.	DRAWN: K.R.U.	
CHECKED: B.C.F.	CHECKED: L.L.C.	

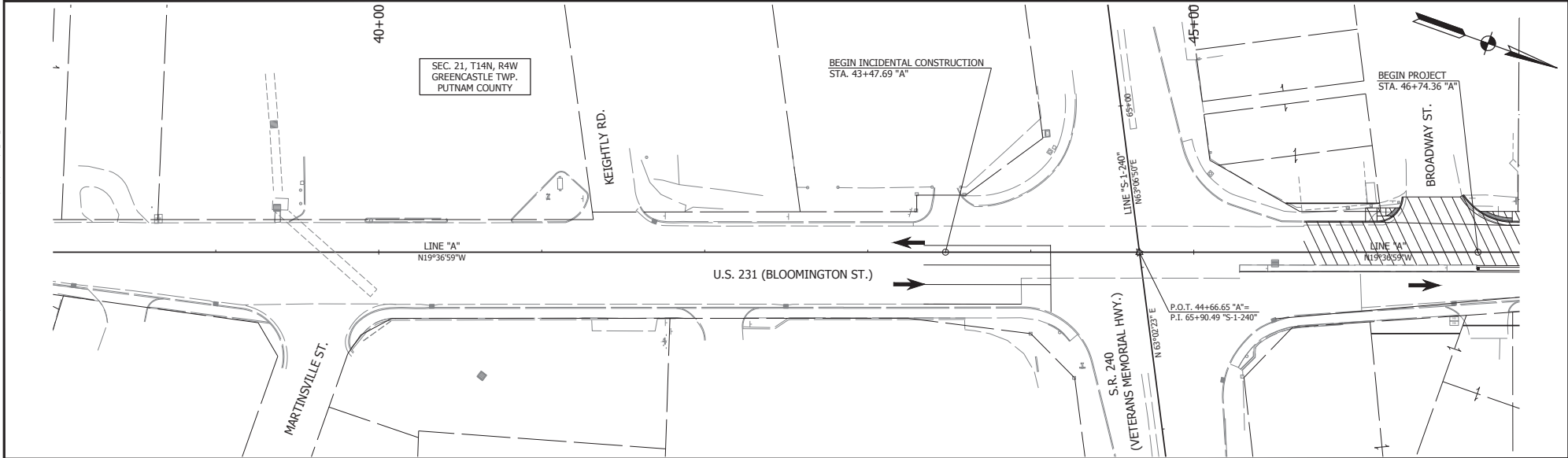
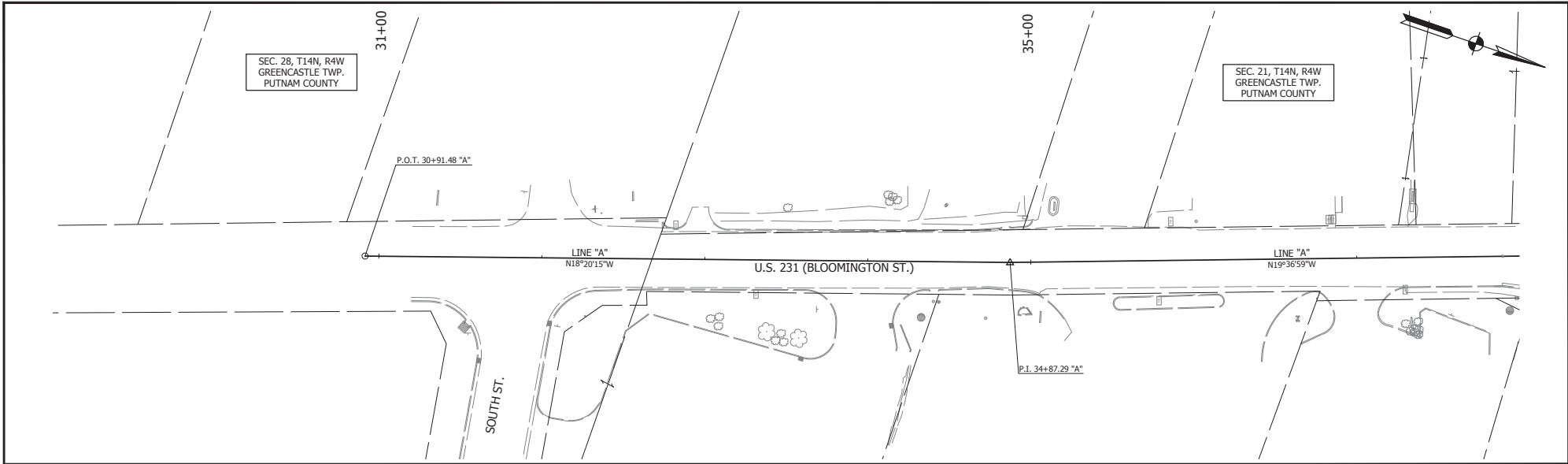
INDIANA
 DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - PHASE 1-A
 U.S. 231

HORIZONTAL SCALE	BRIDGE FILE
1/2" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	11 of 185
CONTRACT	PROJECT
RS 40573	1700121

PRINT DATE: 03/12/20
 PLOT SCALE: 1:1
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LEGEND

- AREA OF CONSTRUCTION MILL AND RESURFACE
- AREA OF CONSTRUCTION FULL DEPTH PAVEMENT REPLACEMENT

WORK ZONE DESIGN SPEED = 20 MPH

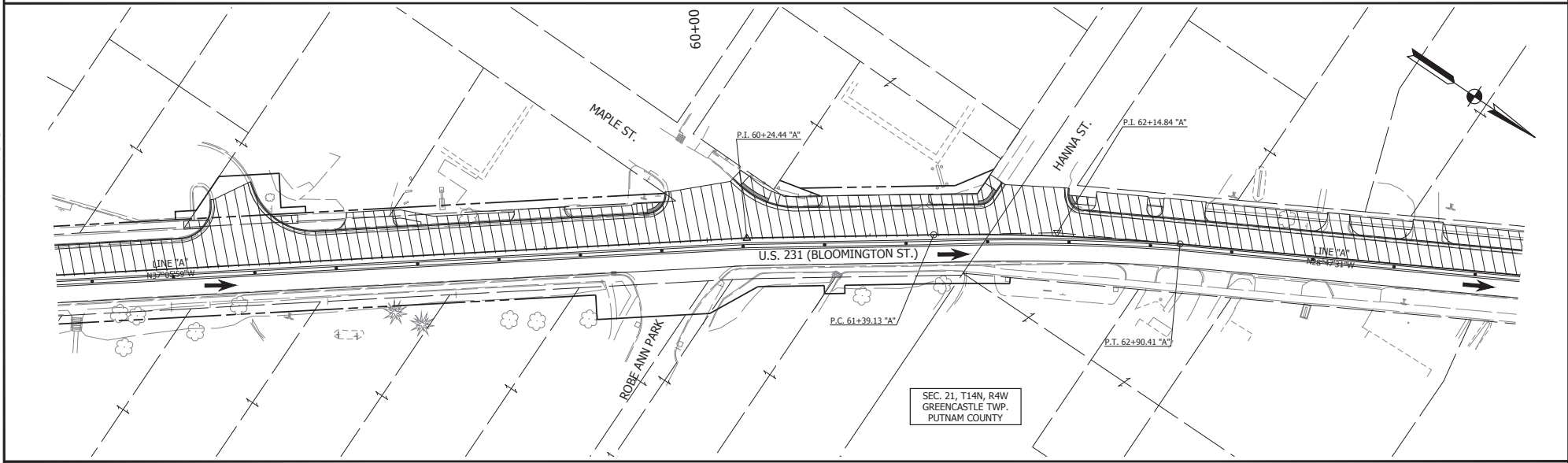
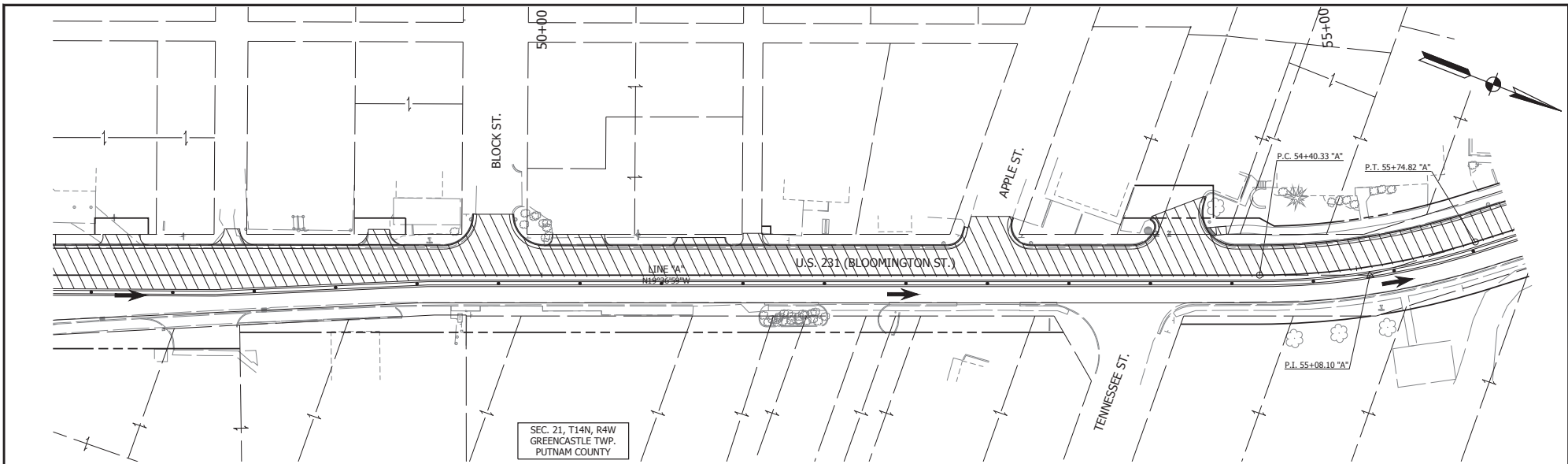
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____
DESIGNED: <u>K.R.U.</u>	DRAWN: <u>K.R.U.</u>
CHECKED: <u>L.L.C.</u>	CHECKED: <u>L.L.C.</u>


INDIANA DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PHASE I-A

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEET
CONTRACT	PROJECT
RS 40573	1700121

PRINT DATE: 8/21/20
 PLOT SCALE: 1:1
 DATE: 10/03/20
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 DRAWING FILE: P:\16-000-006-1\02-231 ROAD REHABILITATION\DRAWINGS\NOTED_MOT_PH-142.DWG

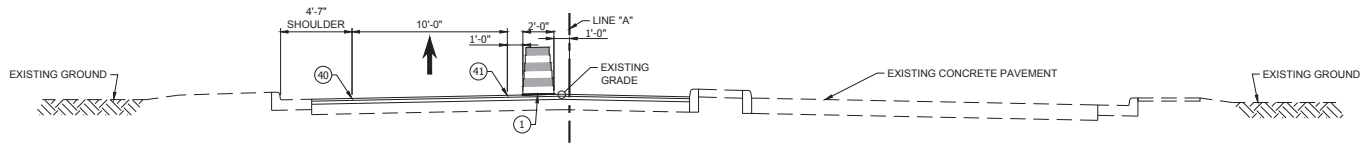


LEGEND
 AREA OF CONSTRUCTION
 MILL AND RESURFACE
 AREA OF CONSTRUCTION
 FULL DEPTH PAVEMENT REPLACEMENT
 WORK ZONE DESIGN SPEED = 20 MPH

RECOMMENDED FOR APPROVAL _____ DATE _____
 DESIGN ENGINEER
 DESIGNED: K.R.U. DRAWN: K.R.U.
 CHECKED: L.L.C. CHECKED: L.L.C.

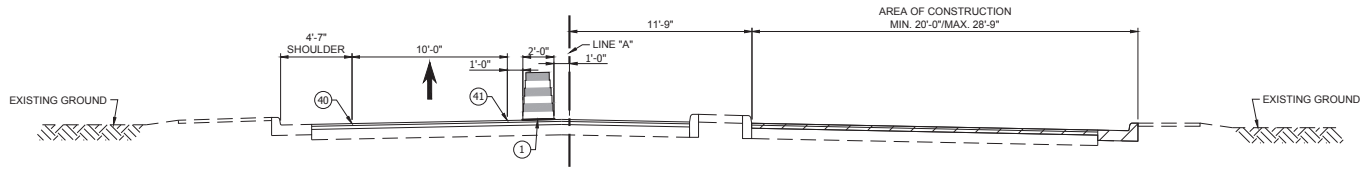
INDIANA DEPARTMENT OF TRANSPORTATION
 MAINTENANCE OF TRAFFIC
 PHASE I-A

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	13 of 185
CONTRACT	PROJECT
RS 40573	1700121



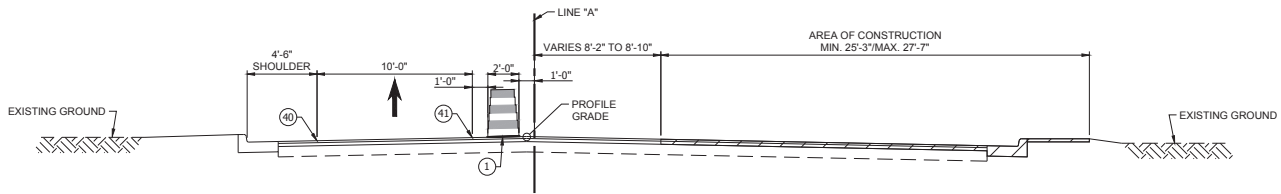
INCIDENTAL TYPICAL SECTION

STA. 43+47.69 TO STA. 46+02.17 "A"



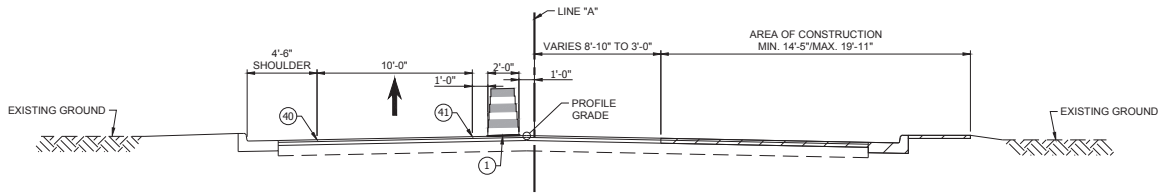
INCIDENTAL TYPICAL SECTION

STA. 46+02.17 TO STA. 46+74 "A"



TYPICAL SECTION

STA. 46+74 TO STA. 48+00 "A"



TYPICAL SECTION

STA. 48+00 TO STA. 49+30 "A"

- LEGEND**
- AREA OF CONSTRUCTION
 - ① CONSTRUCTION DRUM
 - ② TEMPORARY CONCRETE BARRIER
 - ④⑩ TEMP. PAVEMENT MARKINGS, SOLID WHITE, 4"
 - ④⑪ TEMP. PAVEMENT MARKINGS, SOLID YELLOW, 4"

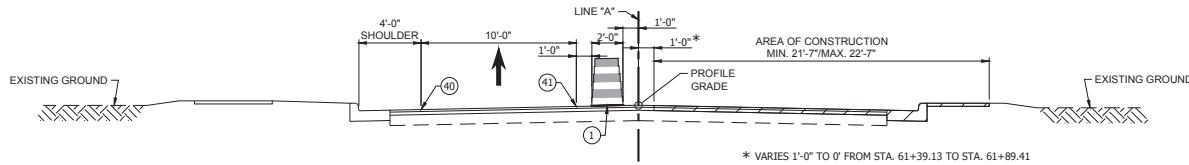
RECOMMENDED FOR APPROVAL _____ DATE _____
 DESIGN ENGINEER _____
 DESIGNED: L.L.C. DRAWN: K.R.U.
 CHECKED: B.C.F. CHECKED: L.L.C.

INDIANA DEPARTMENT OF TRANSPORTATION
 MAINTENANCE OF TRAFFIC - PHASE 1-B
 U.S. 231

HORIZONTAL SCALE	BRIDGE FILE
1/2" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	15 of 185
CONTRACT	PROJECT
RS 40573	1700121

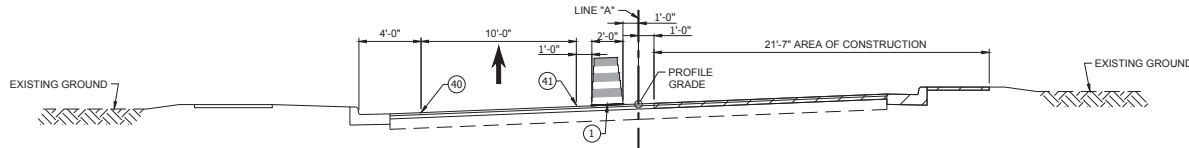
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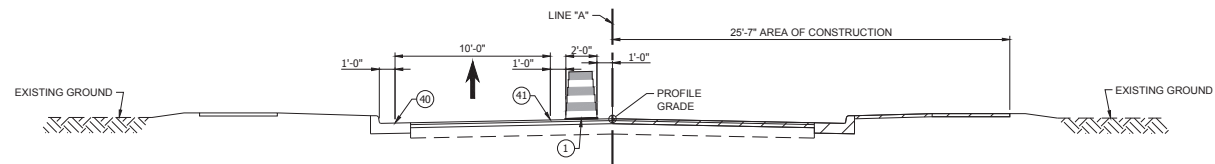


TYPICAL SECTION
 STA. 49+30 TO STA. 54+40.33 "A"
 STA. 55+74.82 "A" TO STA. 62+90.41 "A"

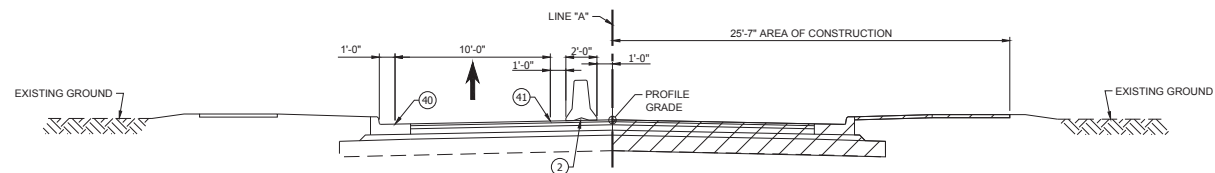
* VARIES 1'-0" TO 0' FROM STA. 61+39.13 TO STA. 61+89.41



TYPICAL SECTION - SUPERELEVATED
 STA. 54+40.33 TO STA. 55+74.82 "A"



TYPICAL SECTION
 STA. 62+90.41 TO STA. 65+26.69 "A"
 STA. 69+32.80 TO STA. 80+00 "A"



TYPICAL SECTION
 STA. 65+26.69 TO STA. 66+46.69 "A"
 STA. 68+12.80 TO STA. 69+32.80 "A"

(3) PAVING EXCEPTION; STA. 66+46.69 "A" TO STA. 68+12.80 "A"

- LEGEND**
- AREA OF CONSTRUCTION
 - CONSTRUCTION DRUM
 - TEMPORARY CONCRETE BARRIER
 - TEMP. PAVEMENT MARKINGS, SOLID WHITE, 4"
 - TEMP. PAVEMENT MARKINGS, SOLID YELLOW, 4"

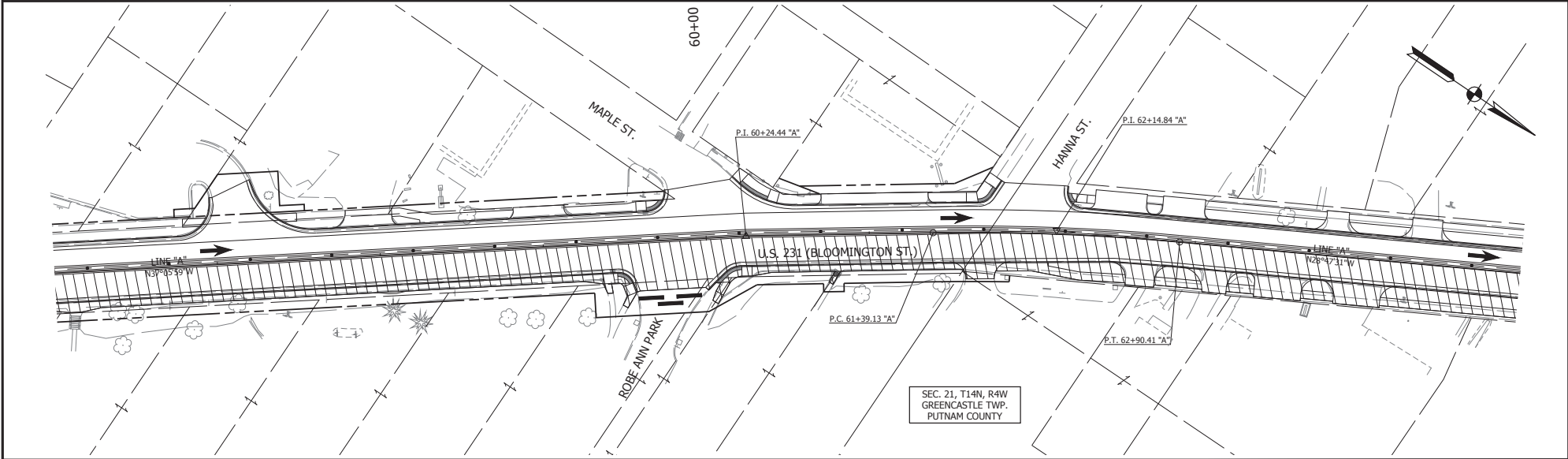
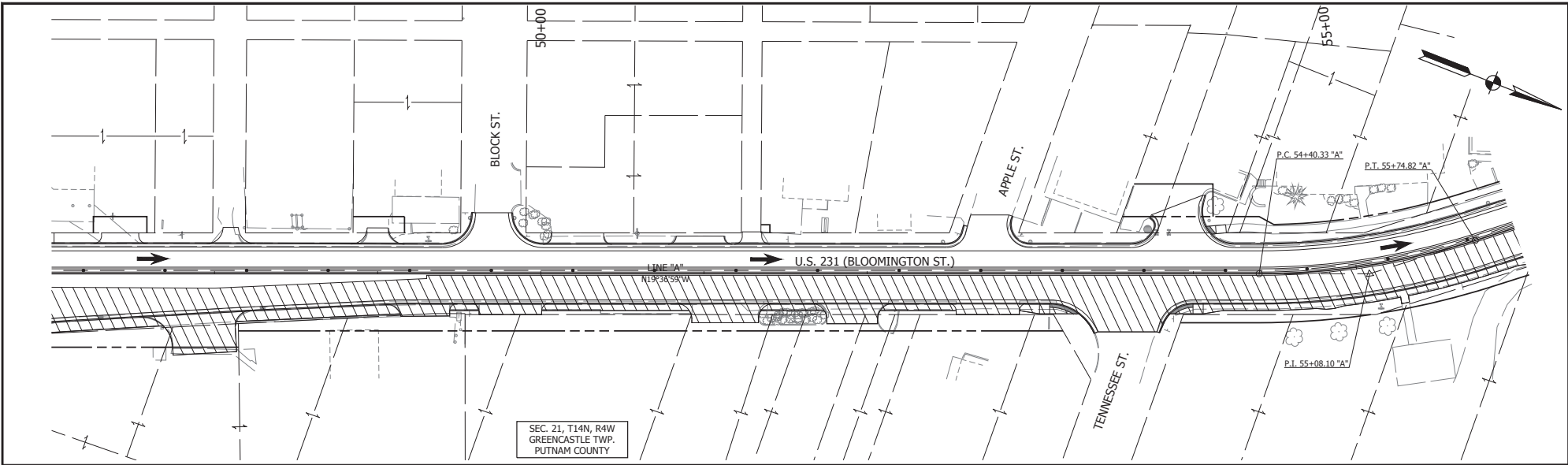
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: L.L.C.	DRAWN: K.R.U.	
CHECKED: B.C.F.	CHECKED: L.L.C.	

INDIANA DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - PHASE 1-B
U.S. 231

HORIZONTAL SCALE	BRIDGE FILE
1/2" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	16 of 185
CONTRACT	PROJECT
RS 40573	1700121

PRINT DATE: 8/21/20
 PLOT SCALE: 1:1
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LEGEND	
	AREA OF CONSTRUCTION MILL AND RESURFACE
	AREA OF CONSTRUCTION FULL DEPTH PAVEMENT REPLACEMENT
	CONSTRUCTION DRUM
	TEMPORARY CONCRETE BARRIER
	BARRICADE TYPE III-B
WORK ZONE DESIGN SPEED = 20 MPH	

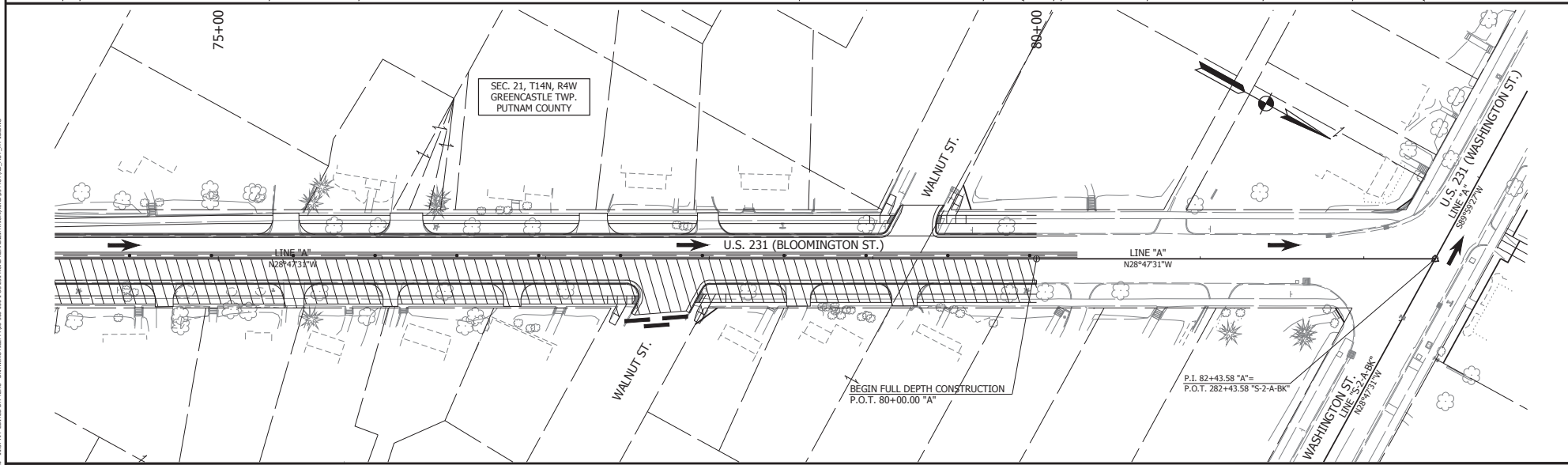
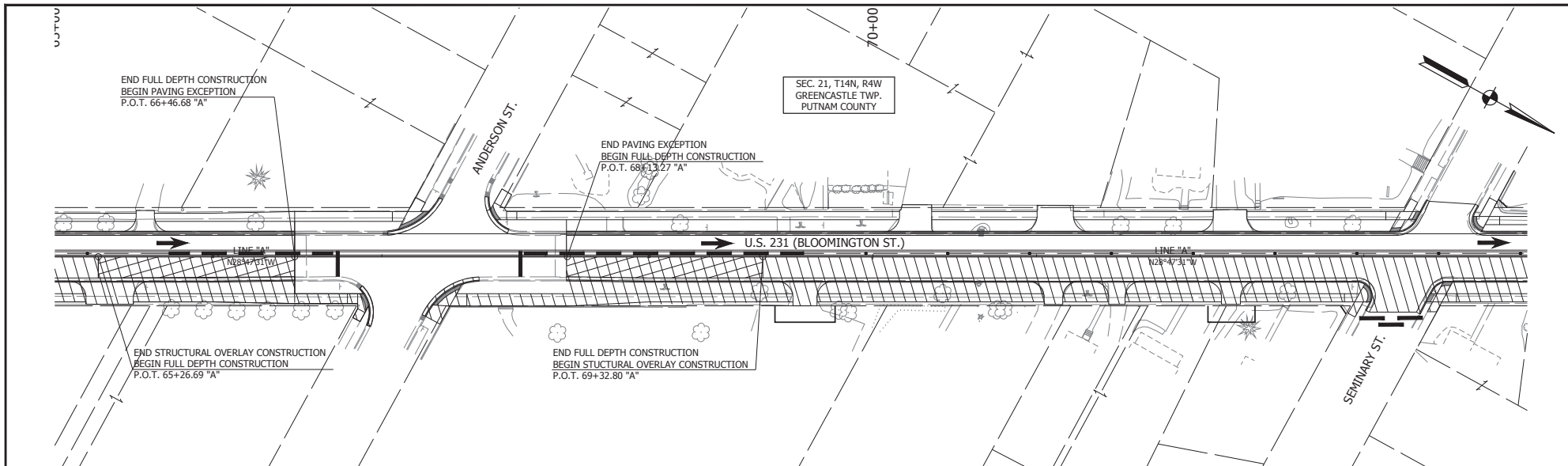
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: <u>K.R.U.</u>	DRAWN: <u>K.R.U.</u>	
CHECKED: <u>L.L.C.</u>	CHECKED: <u>L.L.C.</u>	

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE I-B

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	18 of 185
CONTRACT	PROJECT
RS 40573	1700121

PRINT DATE: 8/31/2020
 PLOT SCALE: 1:1
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 DRAWING FILE: P:\30-0564\105-231-ROAD-REPAIR\105-231-ROAD-REPAIR\105-231-ROAD-REPAIR\105-231-ROAD-REPAIR.dwg
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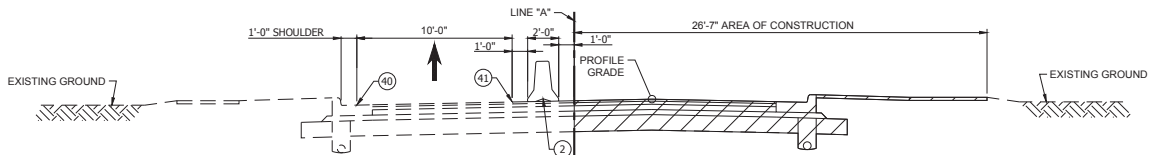


LEGEND	
	AREA OF CONSTRUCTION MILL AND RESURFACE
	CONSTRUCTION DRUM
	AREA OF CONSTRUCTION FULL DEPTH PAVEMENT REPLACEMENT
	TEMPORARY CONCRETE BARRIER
	BARRICADE TYPE III-B
WORK ZONE DESIGN SPEED = 20 MPH	

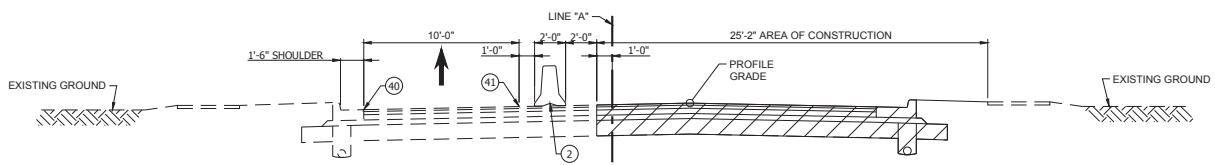
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: <u>K.R.U.</u>	DRAWN: <u>K.R.U.</u>	
CHECKED: <u>L.L.C.</u>	CHECKED: <u>L.L.C.</u>	

INDIANA
DEPARTMENT OF TRANSPORTATION
 MAINTENANCE OF TRAFFIC
 PHASE I-B

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEET
CONTRACT	PROJECT
RS 40573	1700121
	19 of 185



TYPICAL SECTION
STA. 80+00 TO STA. 82+43.58 "A"



TYPICAL SECTION
STA. 82+43.58 TO STA. 86+30.00 "A"

- LEGEND**
- AREA OF CONSTRUCTION
 - CONSTRUCTION DRUM
 - TEMPORARY CONCRETE BARRIER
 - TEMP. PAVEMENT MARKINGS, SOLID WHITE, 4"
 - TEMP. PAVEMENT MARKINGS, SOLID YELLOW, 4"

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: <u>L.L.C.</u>	DRAWN: <u>K.R.U.</u>	
CHECKED: <u>B.C.F.</u>	CHECKED: <u>L.L.C.</u>	

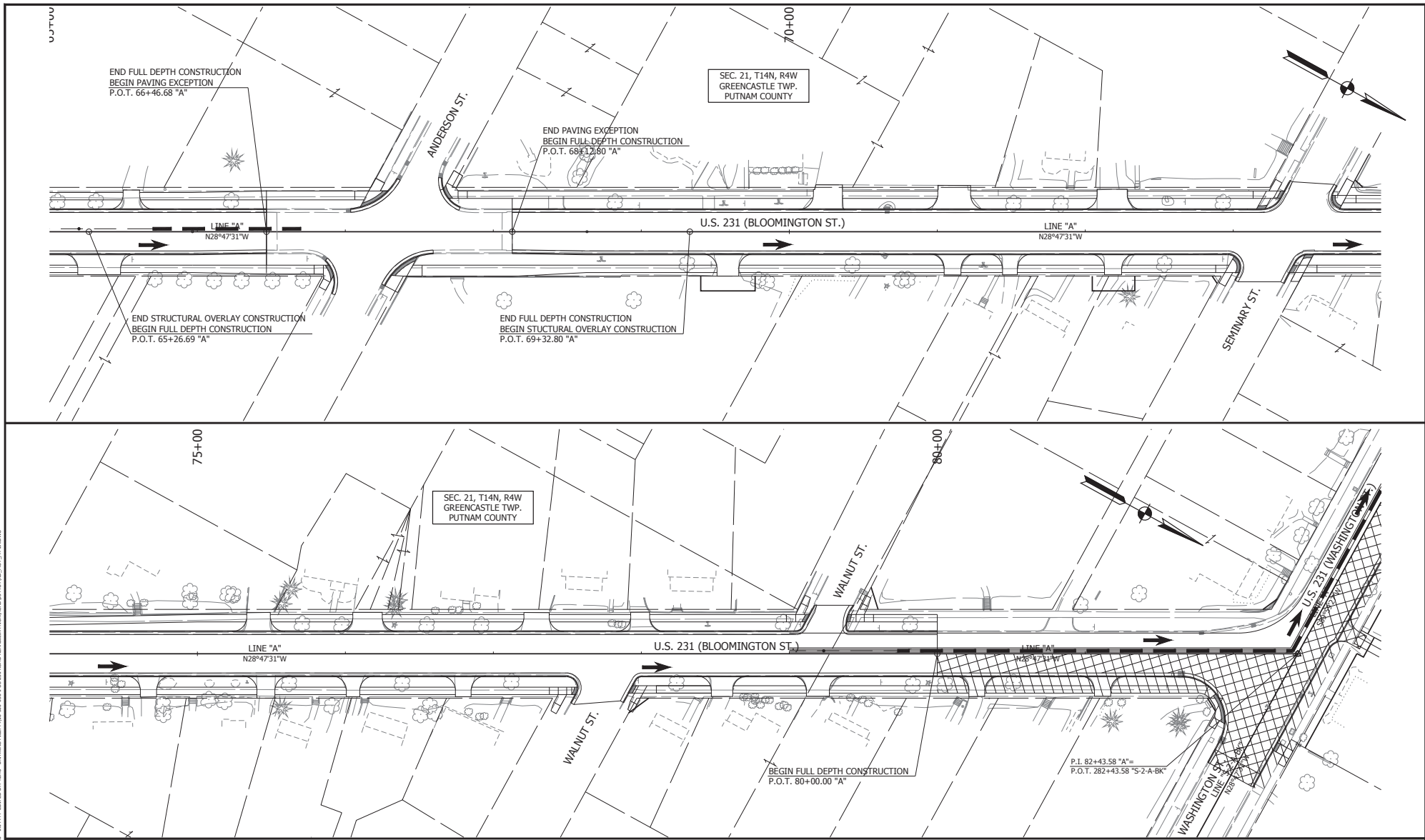
**INDIANA
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC - PHASE II-A
U.S. 231**

HORIZONTAL SCALE	BRIDGE FILE
1/2" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	20 of 185
CONTRACT	PROJECT
RS 40573	1700121

PRINT DATE: 8/31/20
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 2020



LEGEND

AREA OF CONSTRUCTION
MILL AND RESURFACE
 AREA OF CONSTRUCTION
FULL DEPTH PAVEMENT REPLACEMENT
 WORK ZONE DESIGN SPEED = 20 MPH

RECOMMENDED FOR APPROVAL _____ DATE _____

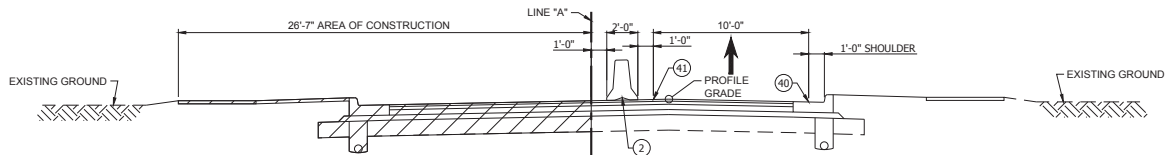
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CHECKED: L.L.C. CHECKED: L.L.C.

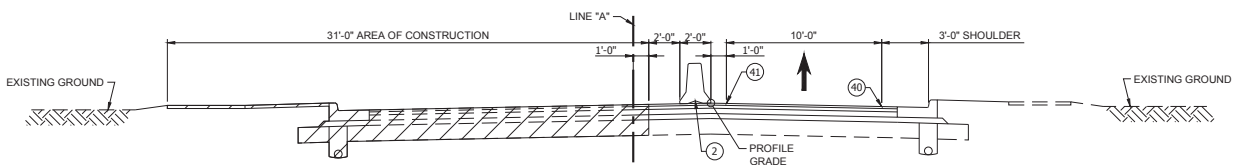
INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE II-A

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEET
CONTRACT	PROJECT
RS 40573	1700121
	21 of 185



TYPICAL SECTION
STA. 80+00 TO STA. 82+43.58 "A"



TYPICAL SECTION
STA. 82+43.58 TO STA. 86+30.00 "A"

- LEGEND**
- AREA OF CONSTRUCTION
 - CONSTRUCTION DRUM
 - TEMPORARY CONCRETE BARRIER
 - TEMP. PAVEMENT MARKINGS, SOLID WHITE, 4"
 - TEMP. PAVEMENT MARKINGS, SOLID YELLOW, 4"

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: <u>L.L.C.</u>	DRAWN: <u>K.R.U.</u>	
CHECKED: <u>B.C.F.</u>	CHECKED: <u>L.L.C.</u>	

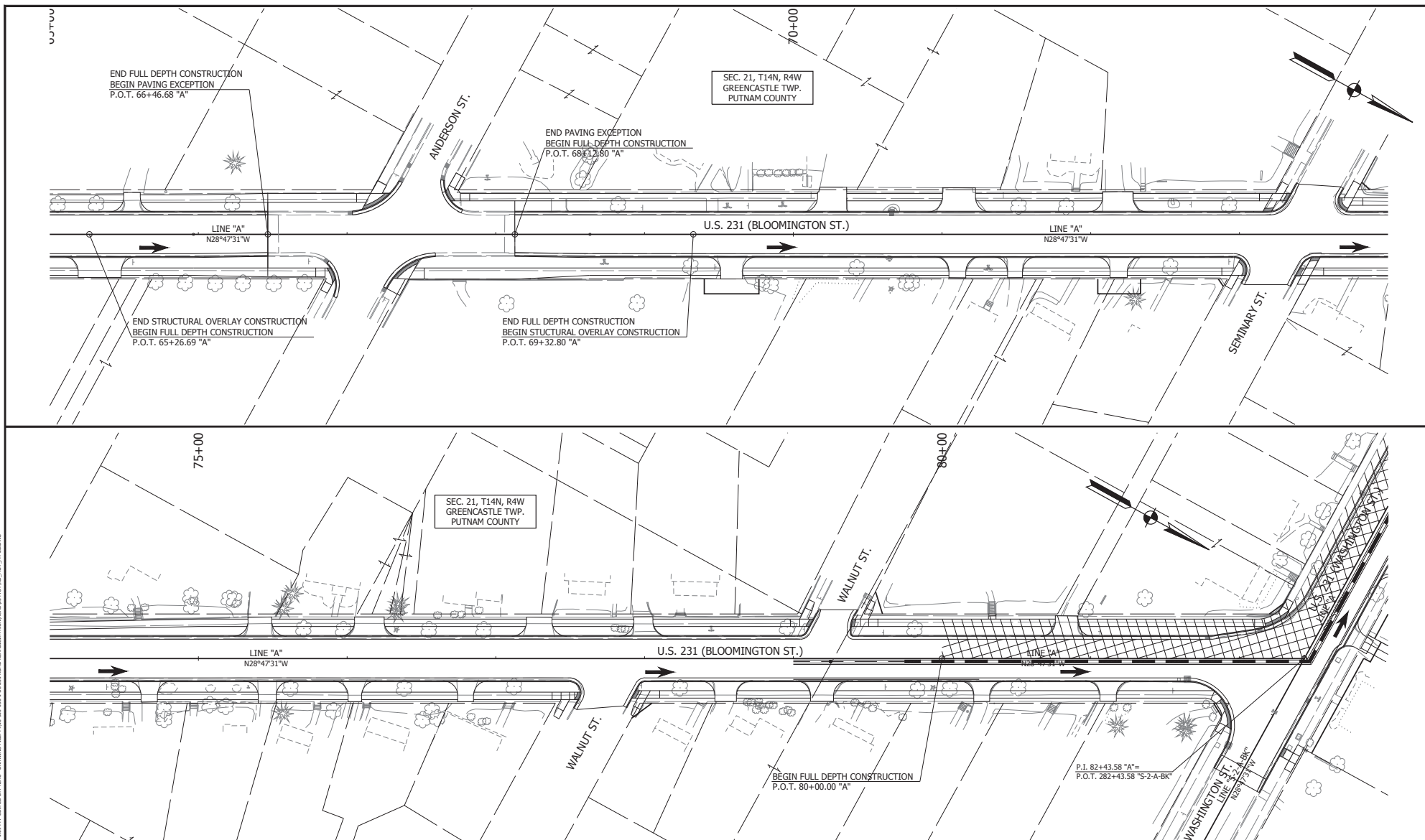
**INDIANA
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC - PHASE II-B
U.S. 231**

HORIZONTAL SCALE	BRIDGE FILE
1/2" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	23 of 185
CONTRACT	PROJECT
RS 40573	1700121

PRINT DATE: 8/3/20
 PLOT SCALE: 1:1
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PRINT DATE: 8/31/20
 PLOT SCALE: 1:1
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 PROJECT: 185



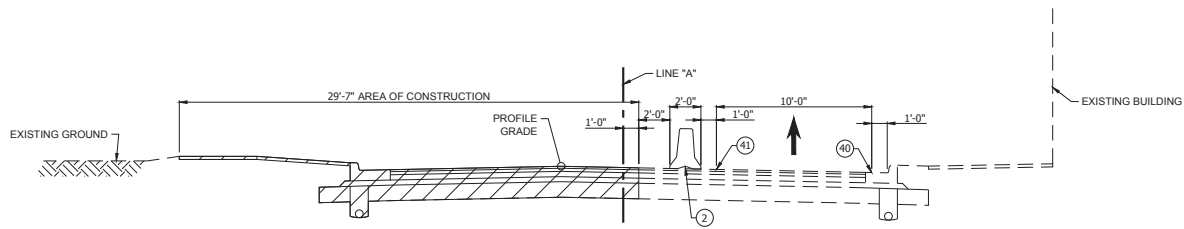
LEGEND

AREA OF CONSTRUCTION
MILL AND RESURFACE
 AREA OF CONSTRUCTION
FULL DEPTH PAVEMENT REPLACEMENT
 WORK ZONE DESIGN SPEED = 20 MPH

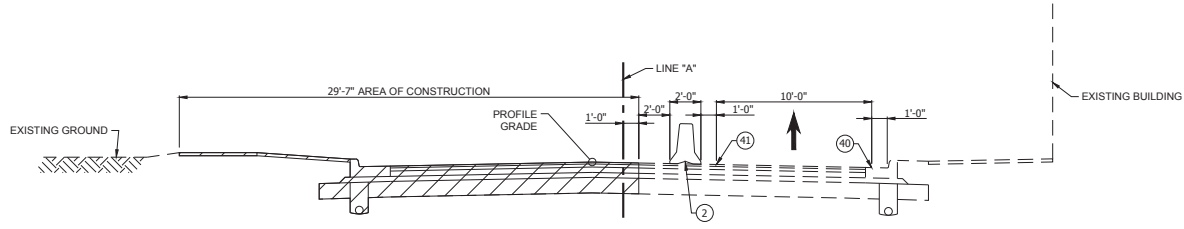
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: <u>K.R.U.</u>	DRAWN: <u>K.R.U.</u>	
CHECKED: <u>L.L.C.</u>	CHECKED: <u>L.L.C.</u>	

INDIANA DEPARTMENT OF TRANSPORTATION
MAINTENANCE OF TRAFFIC
PHASE II-B

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	24 of 185
CONTRACT	PROJECT
RS 40573	1700121



TYPICAL SECTION
STA. 86+30 TO STA. 95+10 "A"



TYPICAL SECTION
STA. 86+30 TO STA. 95+10 "A"

- LEGEND**
- AREA OF CONSTRUCTION
 - CONSTRUCTION DRUM
 - TEMPORARY CONCRETE BARRIER
 - TEMP. PAVEMENT MARKINGS, SOLID WHITE, 4"
 - TEMP. PAVEMENT MARKINGS, SOLID YELLOW, 4"

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: L.L.C.	DRAWN: K.R.U.	
CHECKED: B.C.F.	CHECKED: L.L.C.	

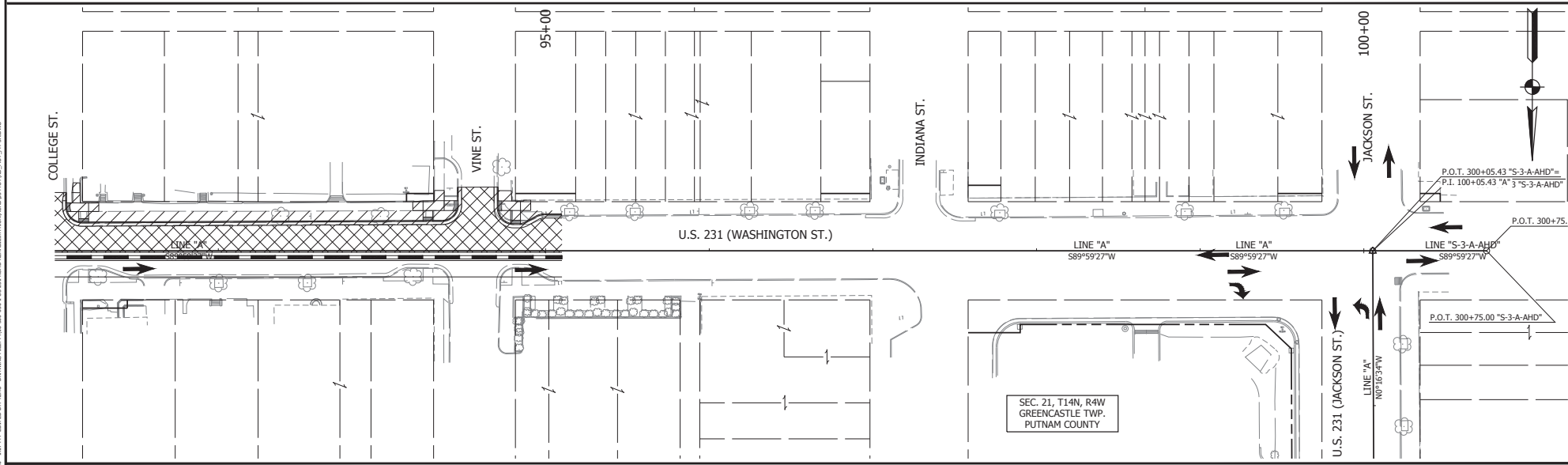
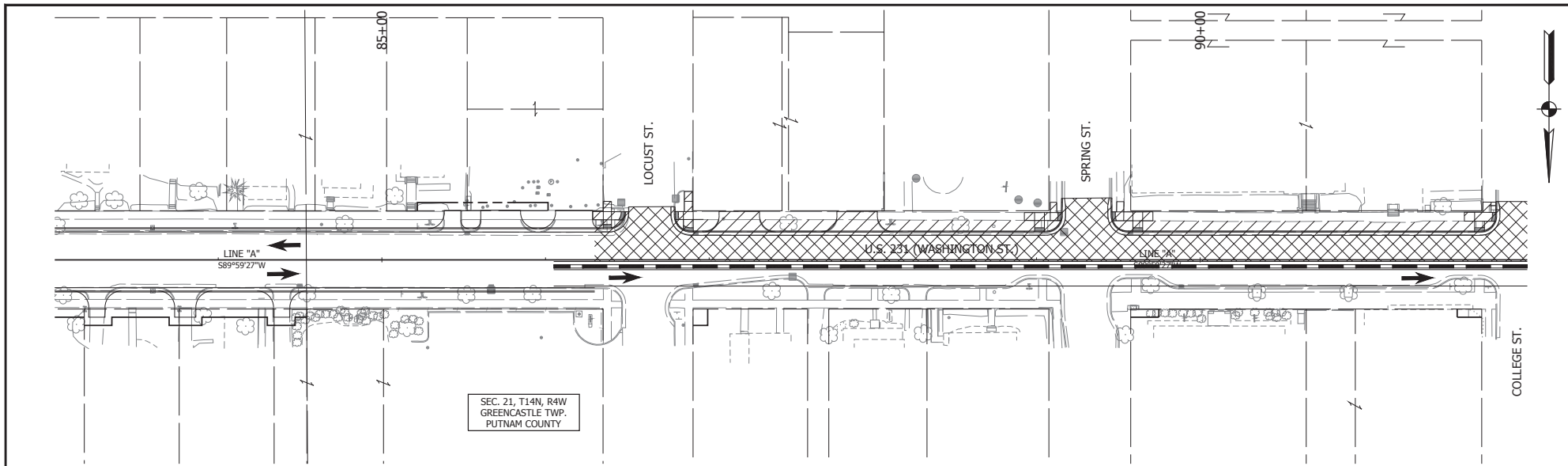
**INDIANA
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC - PHASE III-A
U.S. 231**

HORIZONTAL SCALE	BRIDGE FILE
1/2" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	26 of 185
CONTRACT	PROJECT
RS 40573	1700121

PRINT DATE: 8/3/20
 PLOT SCALE: 1:1
 EDIT DATE: 6/20/20 - 1:33 PM
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PRINT DATE: 8/23/20
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LEGEND

AREA OF CONSTRUCTION
MILL AND RESURFACE

AREA OF CONSTRUCTION
FULL DEPTH PAVEMENT REPLACEMENT

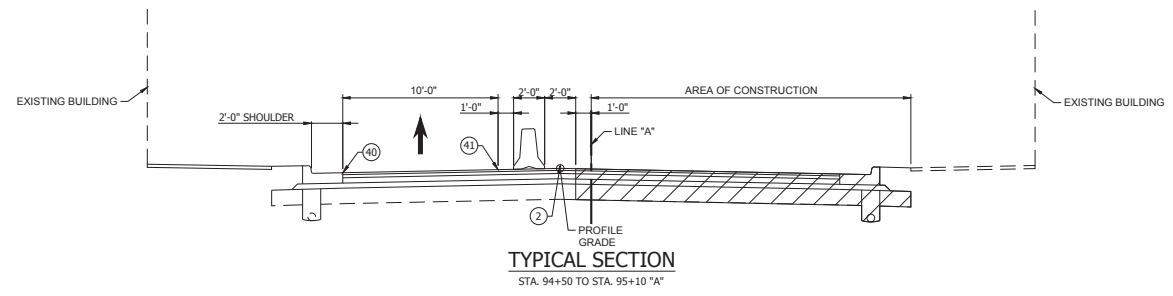
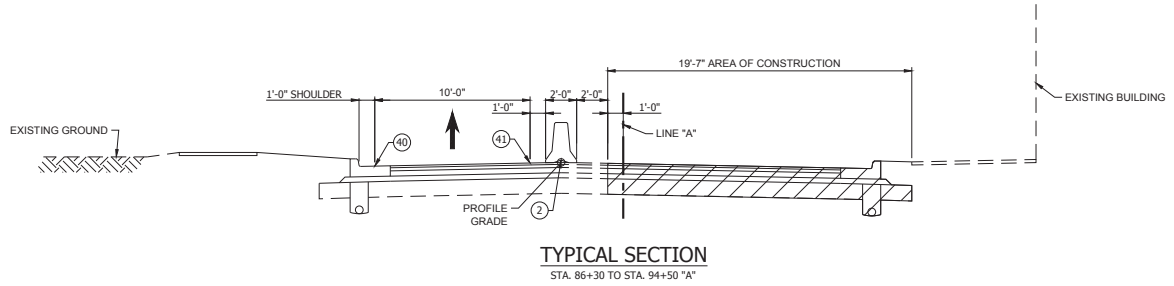
WORK ZONE DESIGN SPEED = 20 MPH

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: <u>K.R.U.</u>	DRAWN: <u>K.R.U.</u>	
CHECKED: <u>L.L.C.</u>	CHECKED: <u>L.L.C.</u>	

INDIANA
 DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
 PHASE III-A

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEET
CONTRACT	PROJECT
RS 40573	1700121



- LEGEND**
- AREA OF CONSTRUCTION
 - CONSTRUCTION DRUM
 - TEMPORARY CONCRETE BARRIER
 - TEMP. PAVEMENT MARKINGS, SOLID WHITE, 4"
 - TEMP. PAVEMENT MARKINGS, SOLID YELLOW, 4"

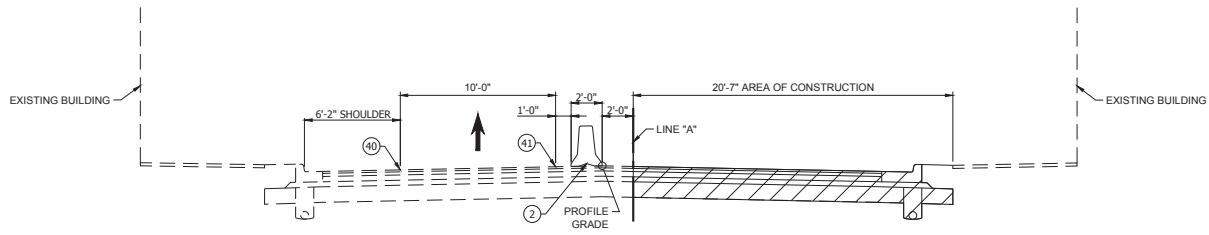
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: <u>L.L.C.</u>	DRAWN: <u>K.R.U.</u>	
CHECKED: <u>B.C.F.</u>	CHECKED: <u>L.L.C.</u>	

INDIANA
DEPARTMENT OF TRANSPORTATION

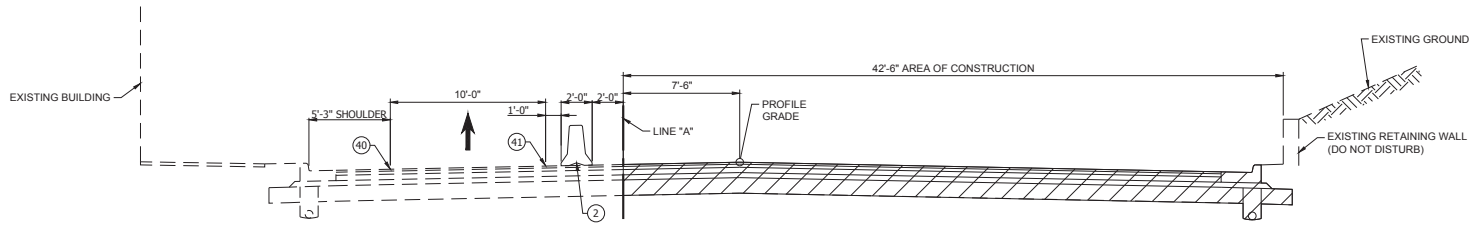
MAINTENANCE OF TRAFFIC - PHASE III-B
U.S. 231

HORIZONTAL SCALE	BRIDGE FILE
1/2" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	28 of 185
CONTRACT	PROJECT
RS 40573	1700121

PRINT DATE: 8/3/20
 PLOT SCALE: 1:1
 EDIT DATE: 8/2/20 - 1:28 PM
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 DRAWING FILE: P:\18-000-005 - US 231 ROAD REHABILITATION\DRAWING\PHASE III-TYPICAL\03211-1011.BWG



TYPICAL SECTION
STA. 95+10 TO STA. 97+50 "A"



TYPICAL SECTION
STA. 97+50 TO STA. 99+60 "A"

- LEGEND**
- AREA OF CONSTRUCTION
 - CONSTRUCTION DRUM
 - TEMPORARY CONCRETE BARRIER
 - TEMP. PAVEMENT MARKINGS, SOLID WHITE, 4"
 - TEMP. PAVEMENT MARKINGS, SOLID YELLOW, 4"

RECOMMENDED FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: L.L.C. DRAWN: K.R.U.

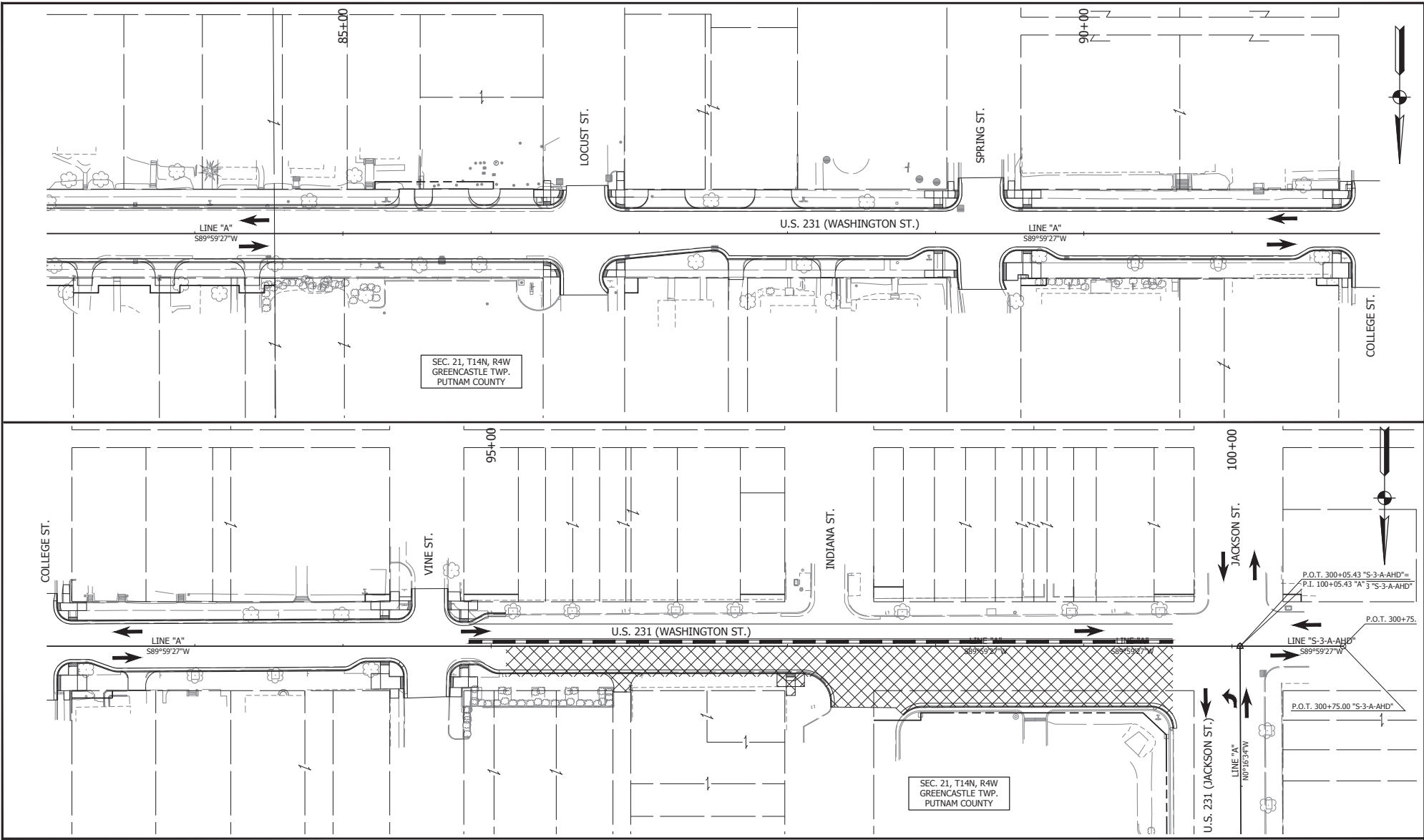
CHECKED: B.C.F. CHECKED: L.L.C.

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - PHASE IV-A
U.S. 231

HORIZONTAL SCALE	BRIDGE FILE
1/2" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	30 of 185
CONTRACT	PROJECT
RS 40573	1700121

PRINT DATE: 8/27/2020
 PLOT SCALE: 1:1
 EDDY DATE: 8/20/20
 1:33 PM
 EDDY BY: YON
 DRAWING FILE: F:\18-000-095-1 US 331 ROAD REHABILITATION\DRAWINGS\PHASE IV-A\DWG



SEC. 21, T14N, R4W
GREENCASTLE TWP.
PUTNAM COUNTY

SEC. 21, T14N, R4W
GREENCASTLE TWP.
PUTNAM COUNTY

LEGEND

 AREA OF CONSTRUCTION
MILL AND RESURFACE

 AREA OF CONSTRUCTION
FULL DEPTH PAVEMENT REPLACEMENT

WORK ZONE DESIGN SPEED = 20 MPH

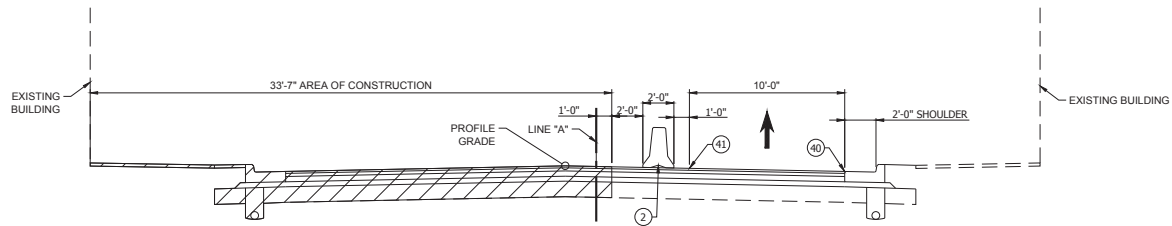
RECOMMENDED FOR APPROVAL _____ DATE _____
DESIGN ENGINEER _____

DESIGNED: K.R.U. DRAWN: K.R.U.
CHECKED: L.L.C. CHECKED: L.L.C.

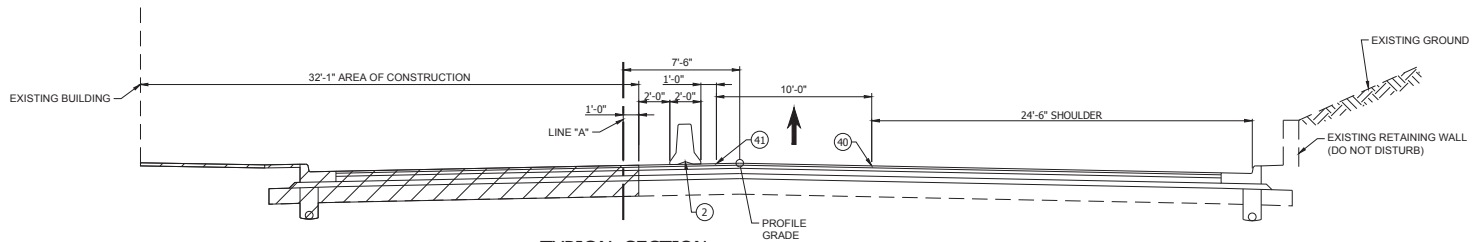
INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE IV-A

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	31 of 185
CONTRACT	PROJECT
RS 40573	1700121



TYPICAL SECTION
STA. 95+10 TO STA. 97+50 "A"



TYPICAL SECTION
STA. 97+50 TO STA. 100+36.61 "A"

- LEGEND**
- AREA OF CONSTRUCTION
 - CONSTRUCTION DRUM
 - TEMPORARY CONCRETE BARRIER
 - TEMP. PAVEMENT MARKINGS, SOLID WHITE, 4"
 - TEMP. PAVEMENT MARKINGS, SOLID YELLOW, 4"

RECOMMENDED FOR APPROVAL _____ DATE _____
DESIGN ENGINEER

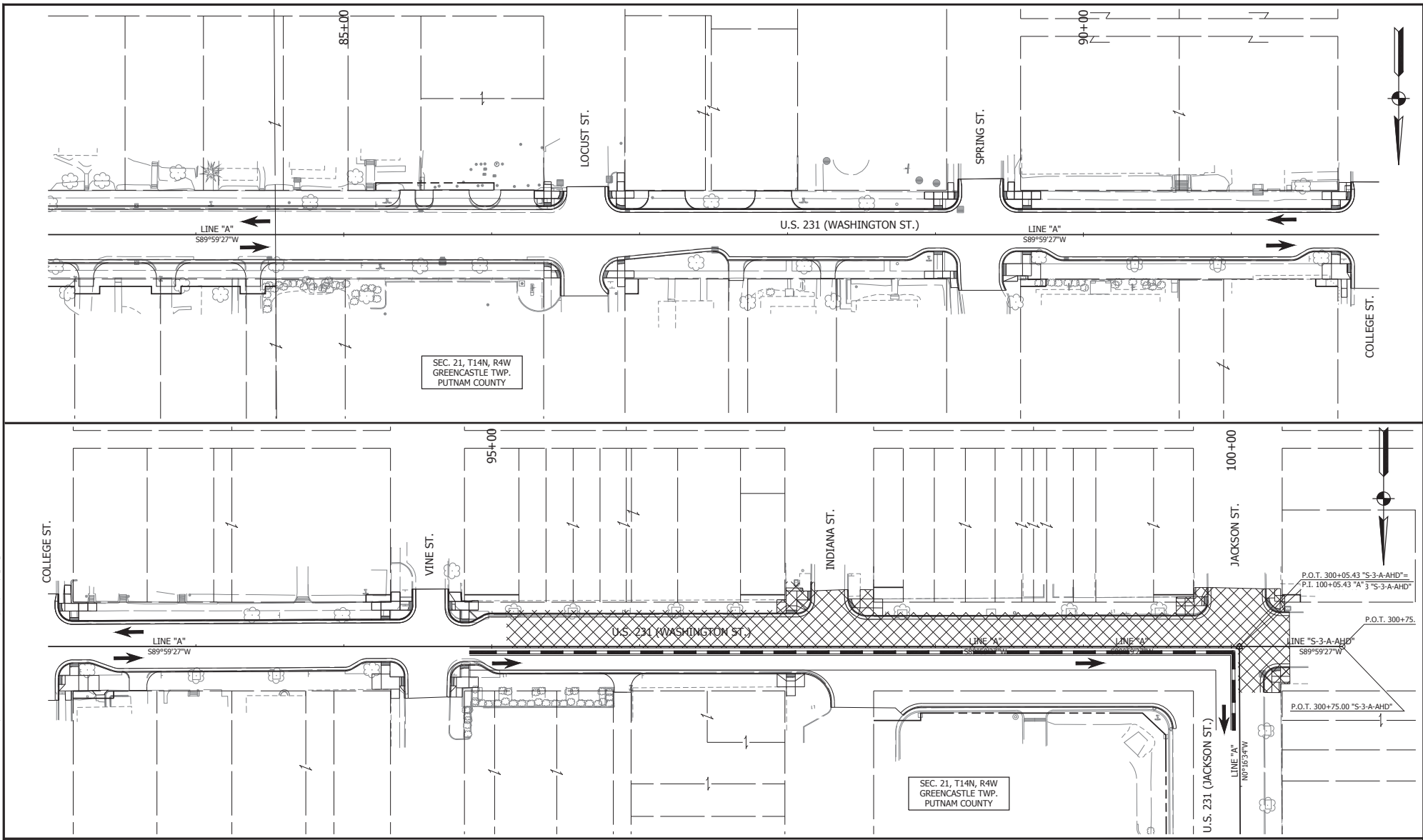
DESIGNED: L.L.C. DRAWN: K.R.U.



CHECKED: B.C.F. CHECKED: L.L.C.

INDIANA
DEPARTMENT OF TRANSPORTATION
MAINTENANCE OF TRAFFIC - PHASE IV-B
U.S. 231

HORIZONTAL SCALE	BRIDGE FILE
1/2" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	32 of 185
CONTRACT	PROJECT
RS 40573	1700121

PRINT DATE: 8/21/20
 PLOT SCALE: 1:1
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 DRAWING FILE: I:\18-000-056-1 US 331 ROAD REHABILITATION\DRAWINGS\PHYSICAL\PH-418046



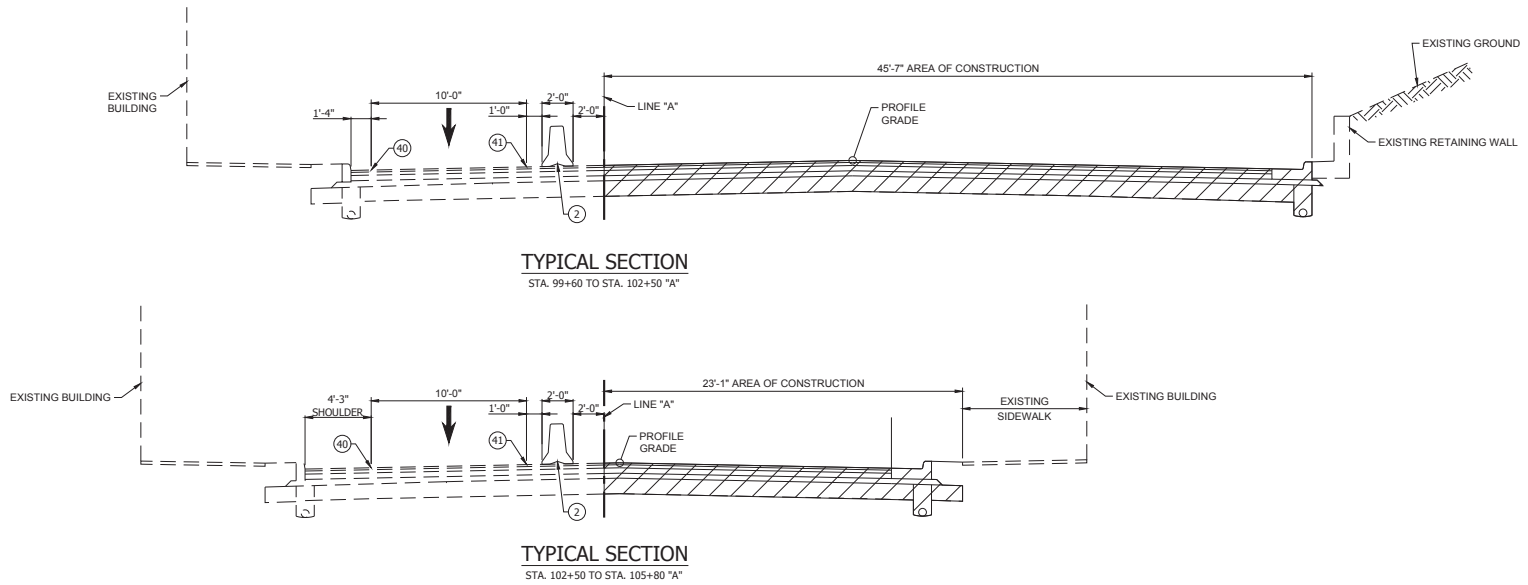
LEGEND
 AREA OF CONSTRUCTION
 MILL AND RESURFACE
 AREA OF CONSTRUCTION
 FULL DEPTH PAVEMENT REPLACEMENT
 WORK ZONE DESIGN SPEED = 20 MPH

RECOMMENDED FOR APPROVAL _____ DATE _____
 DESIGN ENGINEER
 DESIGNED: K.R.U. DRAWN: K.R.U.
 CHECKED: L.L.C. CHECKED: L.L.C.

INDIANA
 DEPARTMENT OF TRANSPORTATION
 MAINTENANCE OF TRAFFIC
 PHASE IV-B

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	33 of 185
CONTRACT	PROJECT
RS 40573	1700121

PRINT DATE: 03/12/20
 PLOT SCALE: 1:1
 DATE: 11/20/19 3:27 PM
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 DRAWING FILE: I:\18-000695-1-03-21-ROAD-REHABILITATION\WORKING\NOTES\TYPICAL\5-0231-10T.MXD
 US 231 ROAD REHABILITATION\WORKING\NOTES\TYPICAL\5-0231-10T.MXD



- LEGEND**
- AREA OF CONSTRUCTION
 - CONSTRUCTION DRUM
 - TEMPORARY CONCRETE BARRIER
 - TEMP. PAVEMENT MARKINGS, SOLID WHITE, 4"
 - TEMP. PAVEMENT MARKINGS, SOLID YELLOW, 4"

RECOMMENDED FOR APPROVAL _____
 DESIGN ENGINEER DATE _____

DESIGNED: L.L.C. DRAWN: K.R.U.

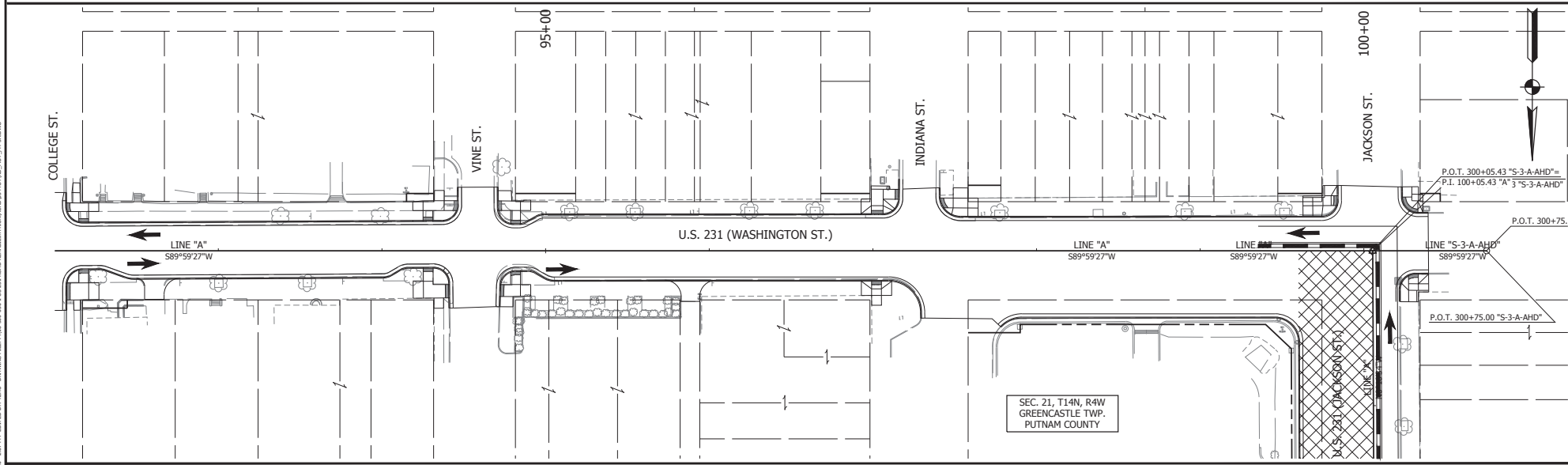
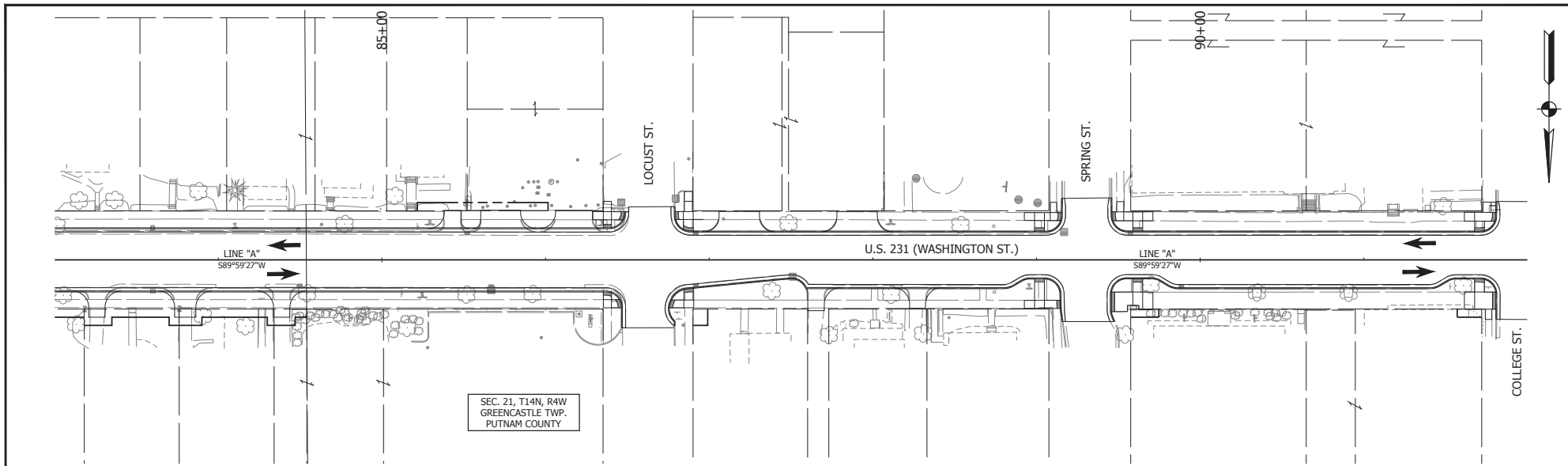
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INDIANA
 DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - PHASE V-A
 U.S. 231

HORIZONTAL SCALE	BRIDGE FILE
1/2" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	34 of 185
CONTRACT	PROJECT
RS 40573	1700121

PRINT DATE: 8/23/2020
 PLOT SCALE: 1:1
 DATE: 8/20/20
 TIME: 2:00 PM
 DESIGNED BY: YONH
 DRAWING FILE: F:\18-000-056-1 US 331 ROAD REHABILITATION\DRAWINGS\PHASE V-A.DWG
 PLOT SCALE: 1:1



LEGEND

- AREA OF CONSTRUCTION MILL AND RESURFACE
- AREA OF CONSTRUCTION FULL DEPTH PAVEMENT REPLACEMENT

WORK ZONE DESIGN SPEED = 20 MPH

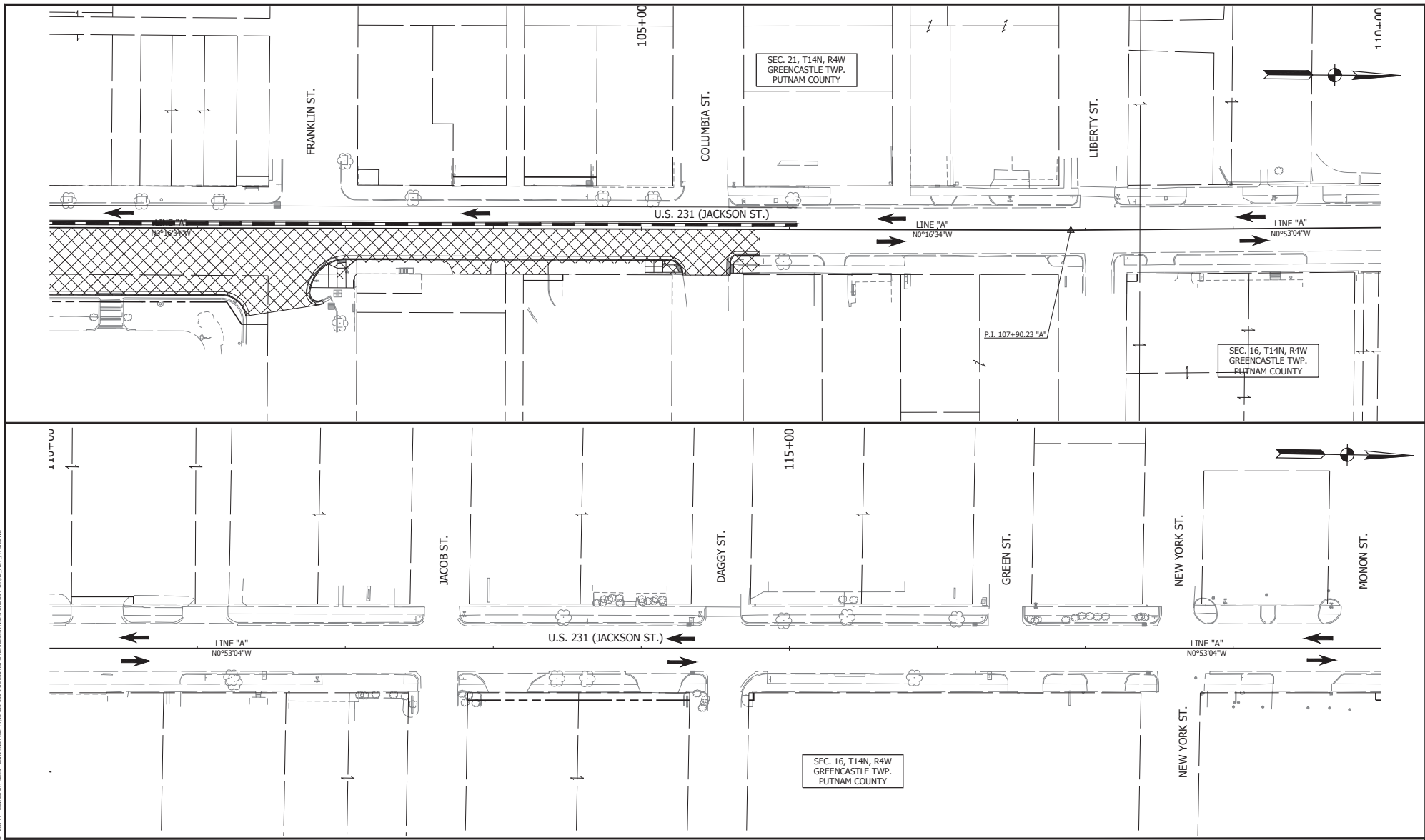
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: <u>K.R.U.</u>	DRAWN: <u>K.R.U.</u>	
CHECKED: <u>L.L.C.</u>	CHECKED: <u>L.L.C.</u>	

INDIANA DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PHASE V-A

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	35 of 185
CONTRACT	PROJECT
RS 40573	1700121

PRINT DATE: 8/21/20
 PLOT SCALE: 1:1
 DATE: 8/20/20 2:20 PM
 DESIGNED BY: YON
 DRAWING FILE: P:\18-000-096-1 US 231 ROAD REHABILITATION\DRAWINGS\PHOTO\PH-5A.DWG
 PLOT SCALE: 1:1



LEGEND

AREA OF CONSTRUCTION MILL AND RESURFACE
 AREA OF CONSTRUCTION FULL DEPTH PAVEMENT REPLACEMENT
 WORK ZONE DESIGN SPEED = 20 MPH

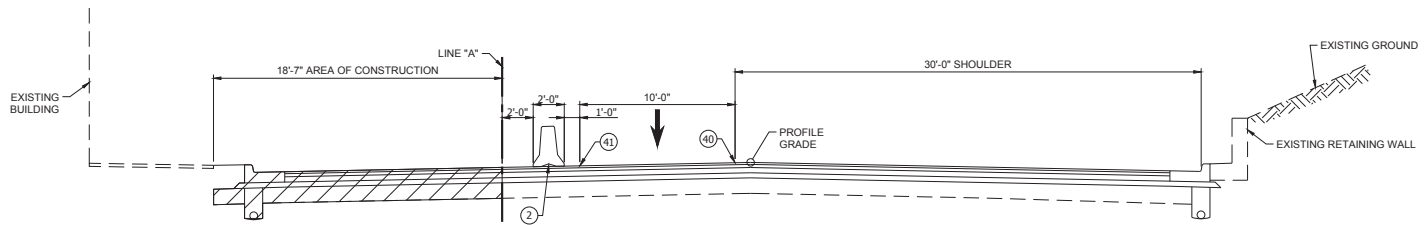
RECOMMENDED FOR APPROVAL _____ DATE _____
 DESIGN ENGINEER

DESIGNED: K.R.U. DRAWN: K.R.U.
 CHECKED: L.L.C. CHECKED: L.L.C.

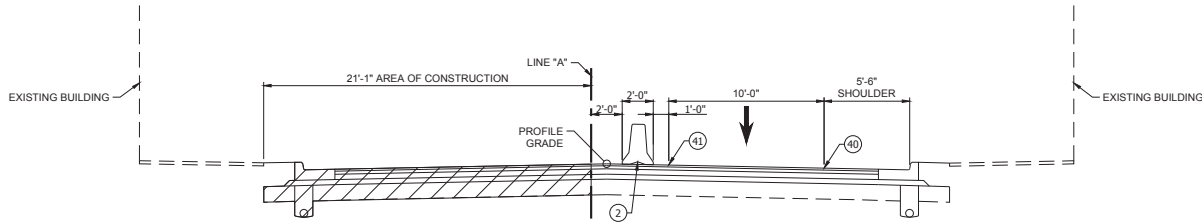
INDIANA DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE PHASE V-A

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	36 of 185
CONTRACT	PROJECT
RS 40573	1700121



TYPICAL SECTION
STA. 100+36.61 TO STA. 102+50 "A"



TYPICAL SECTION
STA. 102+50 TO STA. 105+80 "A"

- LEGEND**
- AREA OF CONSTRUCTION
 - CONSTRUCTION DRUM
 - TEMPORARY CONCRETE BARRIER
 - TEMP. PAVEMENT MARKINGS, SOLID WHITE, 4"
 - TEMP. PAVEMENT MARKINGS, SOLID YELLOW, 4"

RECOMMENDED FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: L.L.C. DRAWN: K.R.U.

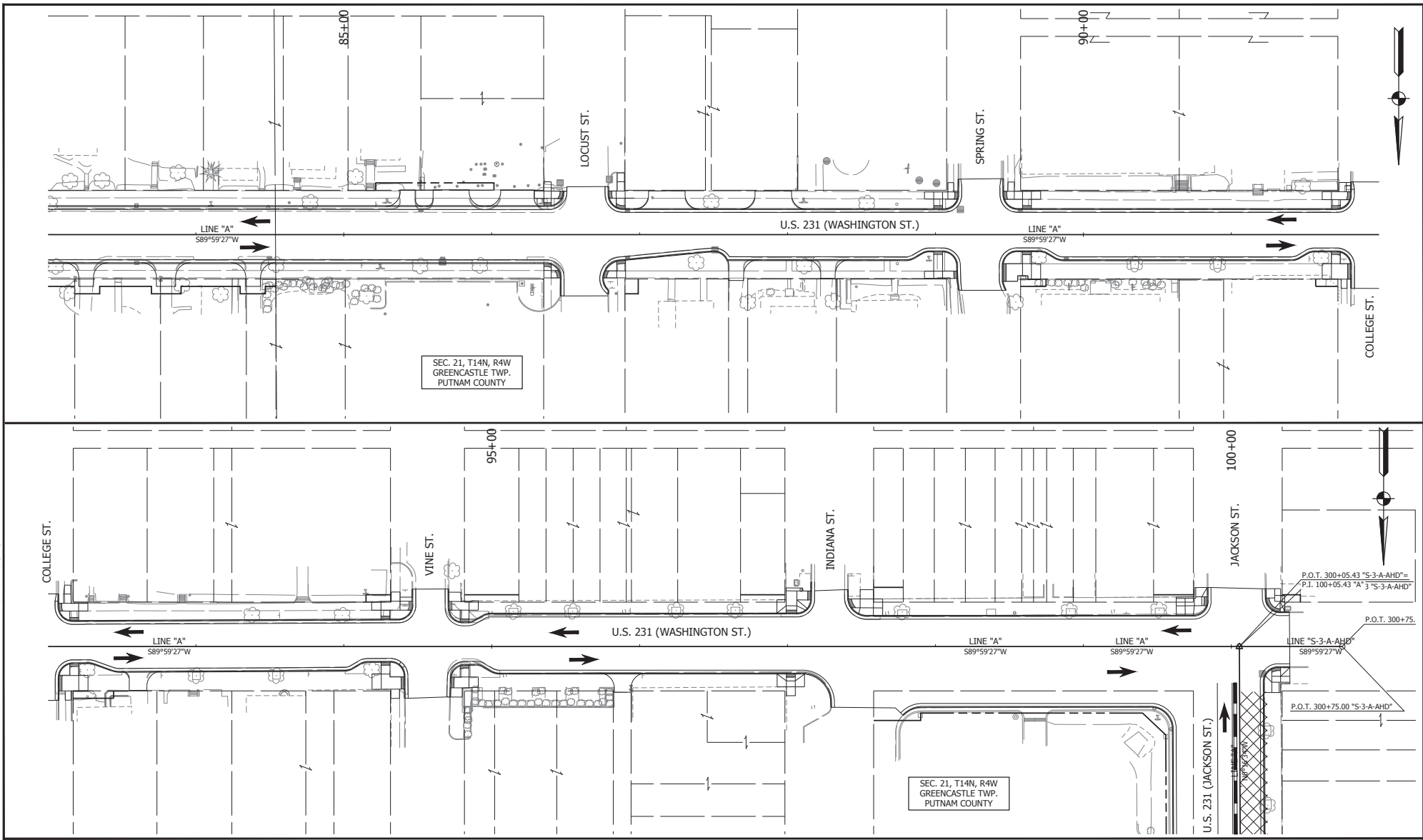
CHECKED: B.C.F. CHECKED: L.L.C.

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - PHASE V-B
U.S. 231

HORIZONTAL SCALE	BRIDGE FILE
1/2" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	37 of 185
CONTRACT	PROJECT
RS 40573	1700121

PRINT DATE: 8/23/2020
 PLOT SCALE: 1:1
 DATE: 08/20/2020 10:00:33 PM
 EDITED BY: K.R.U.
 DRAWING FILE: P:\18-000\056-1.0-231 ROAD REHABILITATION\DRAWINGS\NOTED\PH-18020.DWG



SEC. 21, T14N, R4W
 GREENCASTLE TWP.
 PUTNAM COUNTY

SEC. 21, T14N, R4W
 GREENCASTLE TWP.
 PUTNAM COUNTY

LEGEND

AREA OF CONSTRUCTION
MILL AND RESURFACE

AREA OF CONSTRUCTION
FULL DEPTH PAVEMENT REPLACEMENT

WORK ZONE DESIGN SPEED = 20 MPH

RECOMMENDED FOR APPROVAL _____ DATE _____
 DESIGN ENGINEER

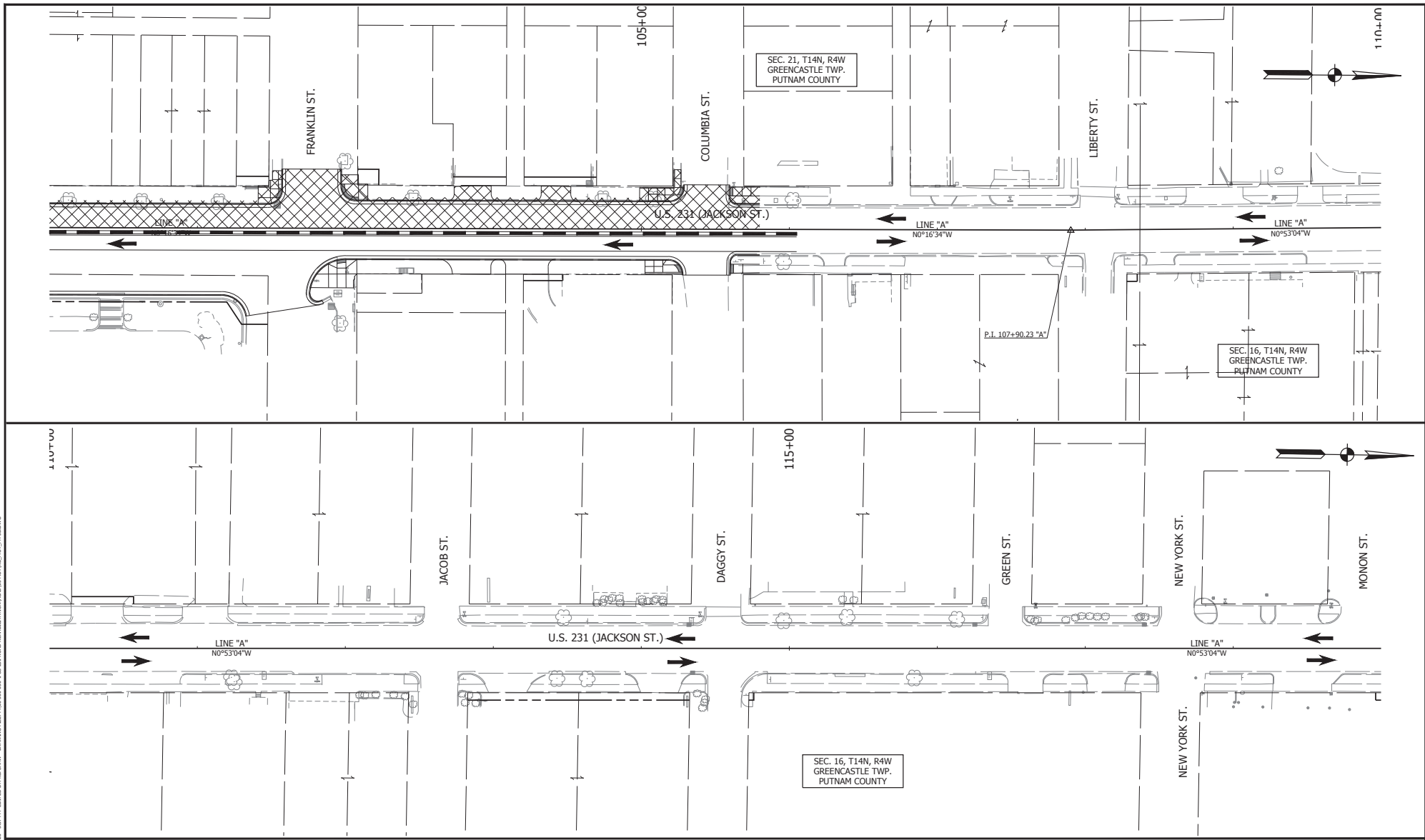
DESIGNED: K.R.U. DRAWN: K.R.U.
 CHECKED: L.L.C. CHECKED: L.L.C.

INDIANA
 DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
 PHASE V-B

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	38 of 185
CONTRACT	PROJECT
RS 40573	1700121

PRINT DATE: 8/23/2020
 PLOT SCALE: 1:1
 DATE: 10/03/2019 11:37 PM
 EDITED BY: K.R.U.
 DRAWING FILE: P:\18000\18006\110-231 ROAD REHABILITATION\DRAWINGS\PHASE V-B.DWG
 DESIGNED BY: K.R.U.



LEGEND

AREA OF CONSTRUCTION
MILL AND RESURFACE

AREA OF CONSTRUCTION
FULL DEPTH PAVEMENT REPLACEMENT

WORK ZONE DESIGN SPEED = 20 MPH

RECOMMENDED FOR APPROVAL _____ DATE _____
 DESIGN ENGINEER

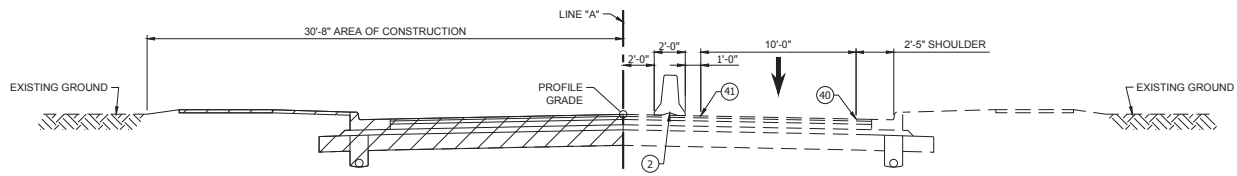
DESIGNED: K.R.U. DRAWN: K.R.U.

CHECKED: L.L.C. CHECKED: L.L.C.

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
PHASE V-B

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	39 of 185
CONTRACT	PROJECT
RS 40573	1700121



TYPICAL SECTION
STA. 105+80 TO STA. 113+00 "A"

- LEGEND**
- AREA OF CONSTRUCTION
 - ① CONSTRUCTION DRUM
 - ② TEMPORARY CONCRETE BARRIER
 - ④① TEMP. PAVEMENT MARKINGS, SOLID WHITE, 4"
 - ④② TEMP. PAVEMENT MARKINGS, SOLID YELLOW, 4"

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: <u>L.L.C.</u>	DRAWN: <u>K.R.U.</u>	
CHECKED: <u>B.C.F.</u>	CHECKED: <u>L.L.C.</u>	

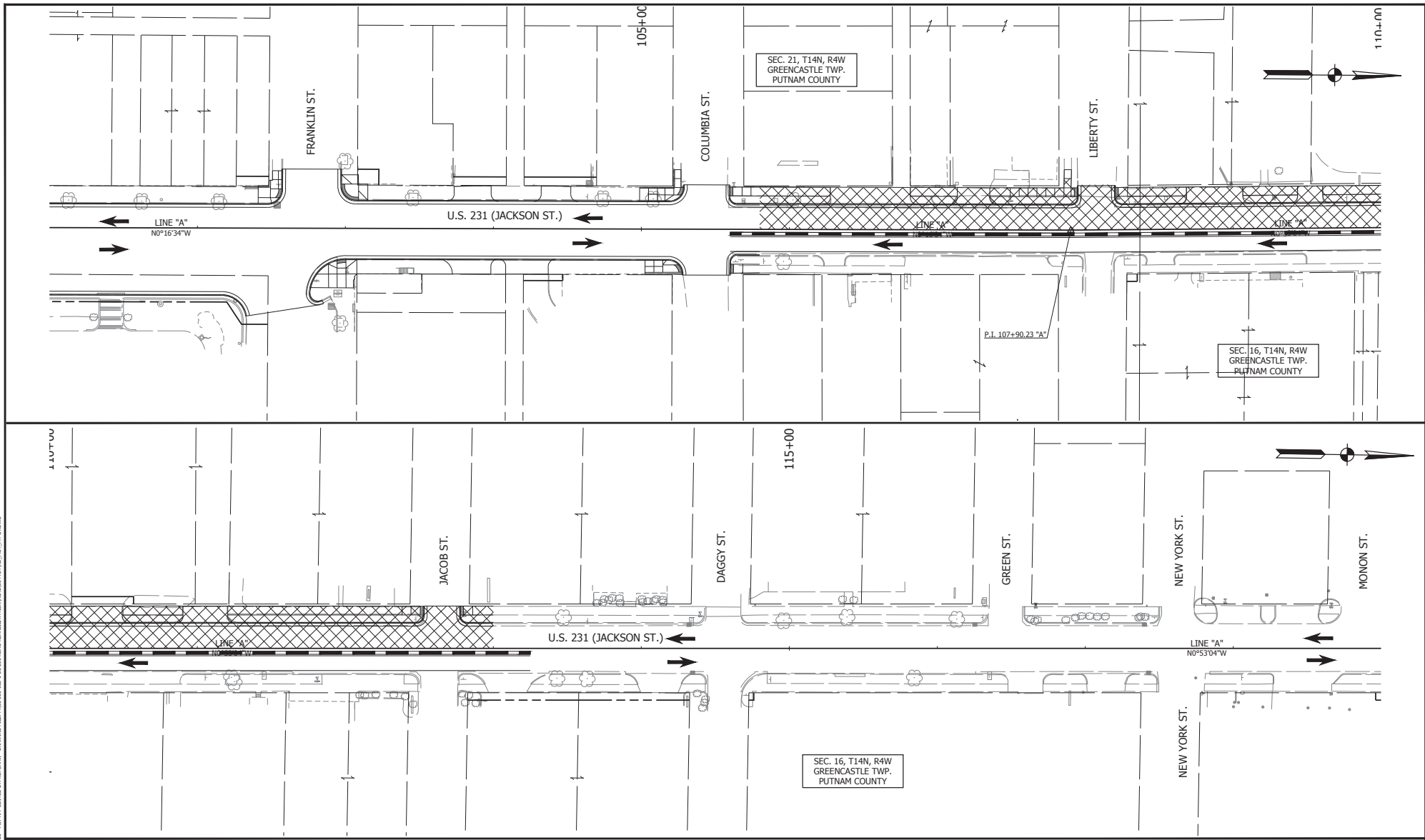
**INDIANA
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC - PHASE VI-A
U.S. 231**

HORIZONTAL SCALE 1/2" = 1'-0"	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION 1700121
SURVEY BOOK	SHEET 40 of 185
CONTRACT RS 40573	PROJECT 1700121

PRINT DATE: 03/12/20
 PLOT SCALE: 1:1
 DATE: 11/20/20
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 DRAWING FILE: I:\15-000-266-1 US 231 ROAD REHABILITATION\DRAWINGS\PHASE VI-A\TYPICALS\0231 TYPICALS.DWG

PRINT DATE: 8/23/2020
 PLOT SCALE: 1:1
 DATE: 10/20/2019 10:27 AM
 EDITED BY: K.R.U.
 DRAWING FILE: P:\18000\0961\103\231\ROAD REHABILITATION\KADIAS\NOTED_P1801A.DWG



LEGEND

AREA OF CONSTRUCTION
MILL AND RESURFACING

AREA OF CONSTRUCTION
FULL DEPTH PAVEMENT REPLACEMENT

WORK ZONE DESIGN SPEED = 20 MPH

RECOMMENDED FOR APPROVAL _____ DATE _____
 DESIGN ENGINEER

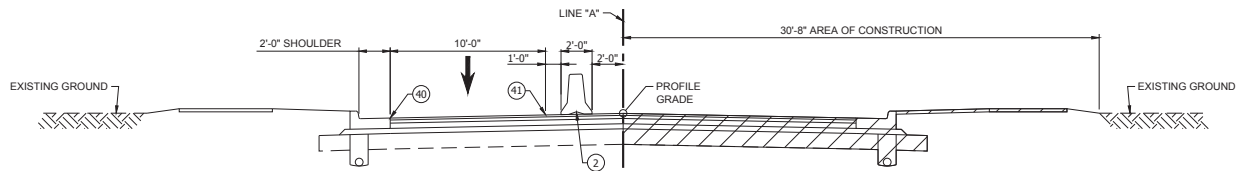
DESIGNED: K.R.U. DRAWN: K.R.U.

CHECKED: L.L.C. CHECKED: L.L.C.

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE VI-A

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	41 of 185
CONTRACT	PROJECT
RS 40573	1700121



TYPICAL SECTION
STA. 105+80 TO STA. 113+00 "A"

PRINT DATE: 03/12/20
 PLOT SCALE: 1:1
 EDIT DATE: 12/02/19 2:43 AM
 EDITOR: RUSPRAW
 DRAWING FILE: I:\15-000-266-1 US 231 ROAD REHABILITATION\DRAWINGS\TYPICALS\0231-TYPICALS-0231-HOT-185.BWG

- LEGEND**
- AREA OF CONSTRUCTION
 - ① CONSTRUCTION DRUM
 - ② TEMPORARY CONCRETE BARRIER
 - Ⓢ TEMP. PAVEMENT MARKINGS, SOLID WHITE, 4"
 - Ⓣ TEMP. PAVEMENT MARKINGS, SOLID YELLOW, 4"

RECOMMENDED FOR APPROVAL _____
DESIGN ENGINEER DATE _____

DESIGNED: L.L.C. DRAWN: K.R.U.

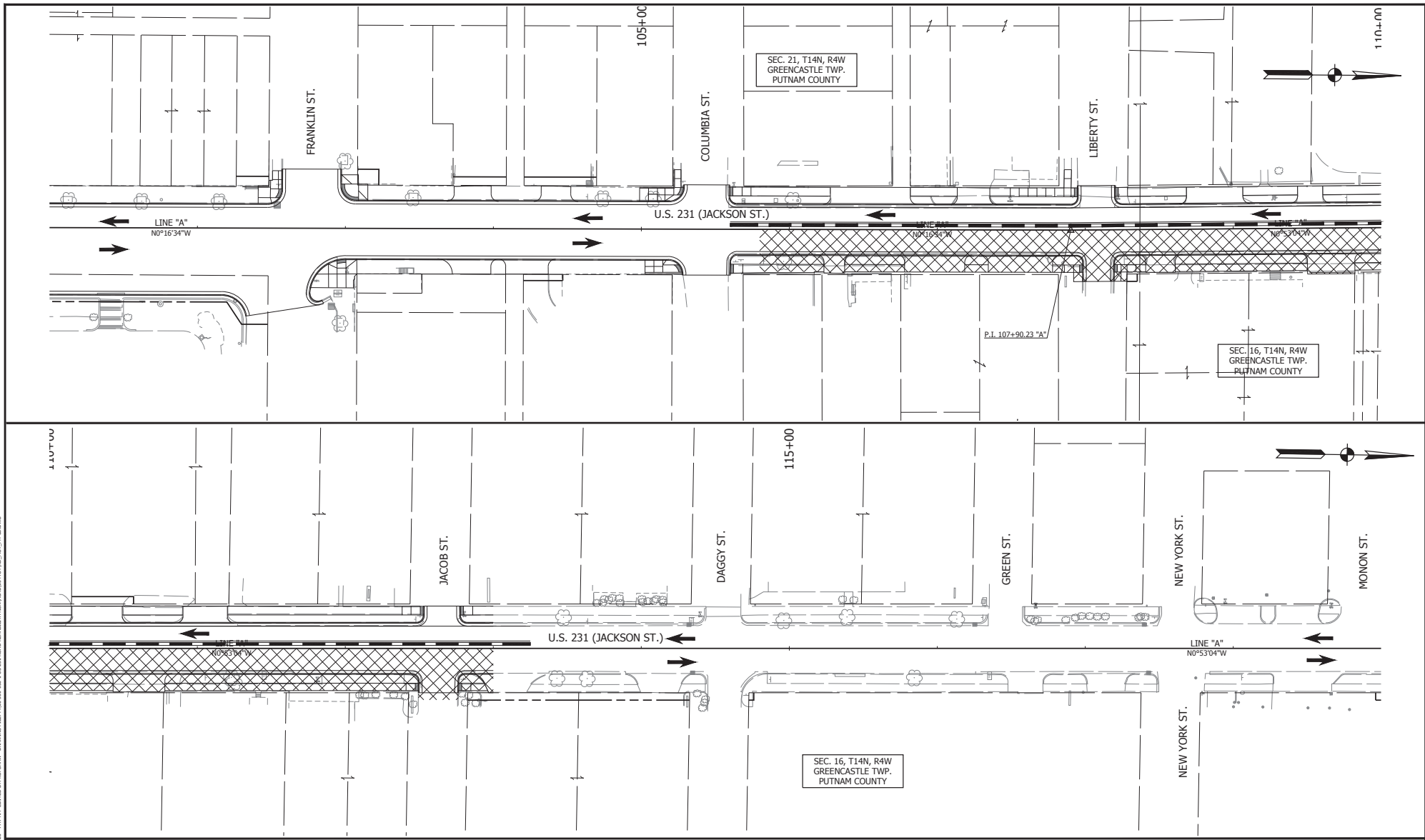
CHECKED: B.C.F. CHECKED: L.L.C.

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - PHASE VI-B
U.S. 231

HORIZONTAL SCALE	BRIDGE FILE
1/2" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	42 of 185
CONTRACT	PROJECT
RS 40573	1700121

PRINT DATE: 8/23/2020
 PLOT SCALE: 1:1
 DATE: 10/20/2019 7:47 AM
 EDITED BY: K.R.U.
 DRAWING FILE: P:\18000\096\1101231\ROAD\REHABILITATION\KACIUS\NOTED_PLOT.dwg
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LEGEND

AREA OF CONSTRUCTION
MILL AND RESURFACING

AREA OF CONSTRUCTION
FULL DEPTH PAVEMENT REPLACEMENT

WORK ZONE DESIGN SPEED = 20 MPH

RECOMMENDED FOR APPROVAL _____ DATE _____
 DESIGN ENGINEER

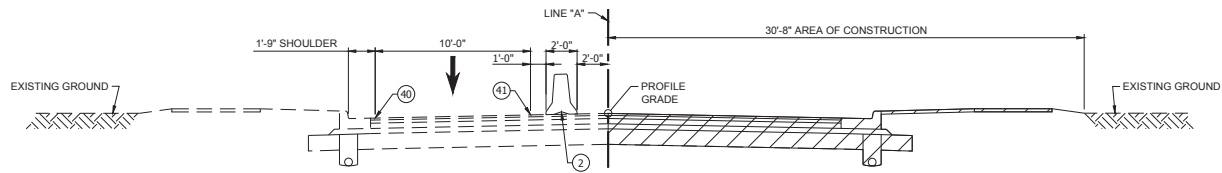
DESIGNED: K.R.U. DRAWN: K.R.U.

CHECKED: L.L.C. CHECKED: L.L.C.

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
PHASE VI-B

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	43 of 185
CONTRACT	PROJECT
RS 40573	1700121



TYPICAL SECTION
STA. 113+00 TO STA. 120+95.92 "A"

PRINT DATE: 03/12/00
 PLOT SCALE: 1:1
 DATE: 11/20/00 7:58 AM
 EDITOR: RUPRAW
 DRAWING FILE: I:\1500-265-1 US 231 ROAD REHABILITATION\DRAWINGS\TYPICALS\0231 TYPICALS\0231 TYPICALS.DWG

- LEGEND**
- AREA OF CONSTRUCTION
 - ① CONSTRUCTION DRUM
 - ② TEMPORARY CONCRETE BARRIER
 - ④① TEMP. PAVEMENT MARKINGS, SOLID WHITE, 4"
 - ④② TEMP. PAVEMENT MARKINGS, SOLID YELLOW, 4"

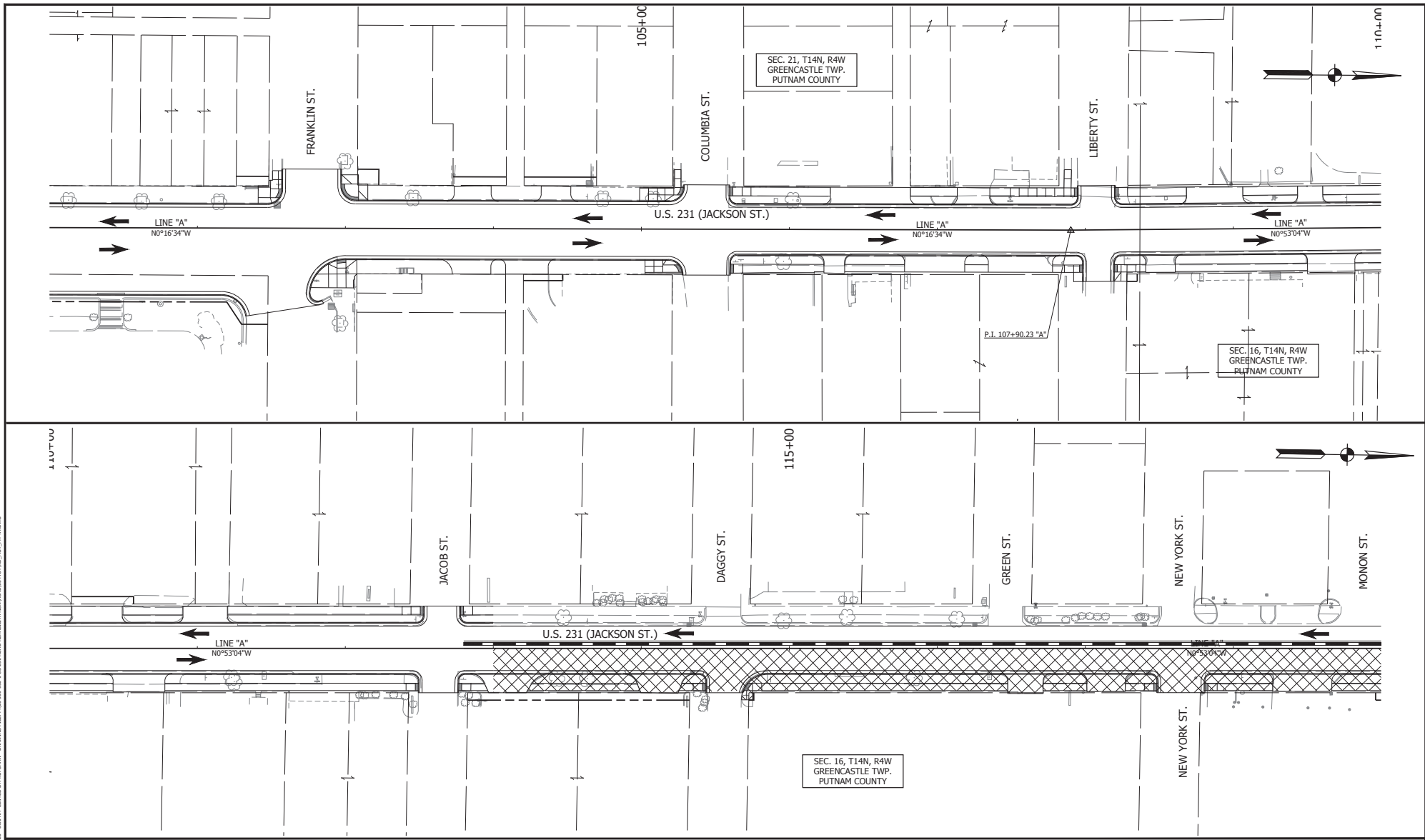
RECOMMENDED FOR APPROVAL _____ <small>DESIGN ENGINEER</small>	_____ <small>DATE</small>
DESIGNED: <u>L.L.C.</u>	DRAWN: <u>K.R.U.</u>
CHECKED: <u>B.C.F.</u>	CHECKED: <u>L.L.C.</u>

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - PHASE VII-A
U.S. 231

<small>HORIZONTAL SCALE</small>	<small>BRIDGE FILE</small>
1/2" = 1'-0"	N/A
<small>VERTICAL SCALE</small>	<small>DESIGNATION</small>
N/A	1700121
<small>SURVEY BOOK</small>	<small>SHEET</small>
	44 of 185
<small>CONTRACT</small>	<small>PROJECT</small>
RS 40573	1700121

PRINT DATE: 8/21/20
 PLOT SCALE: 1:1
 DATE: 10/20/20 8:03 AM
 EDITED BY: K.R.U.
 DRAWING FILE: P:\15000\094\1101231\ROAD\REHABILITATION\KACIUS\NOTED\1101231.DWG



LEGEND

AREA OF CONSTRUCTION
MILL AND RESURFACE
 AREA OF CONSTRUCTION
FULL DEPTH PAVEMENT REPLACEMENT
 WORK ZONE DESIGN SPEED = 20 MPH

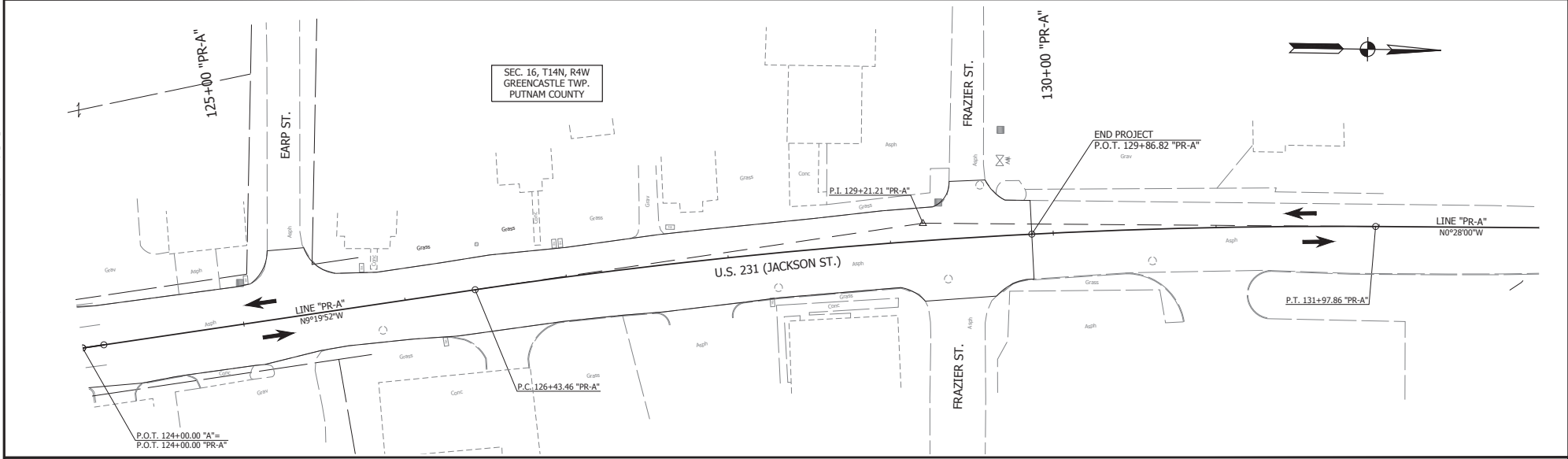
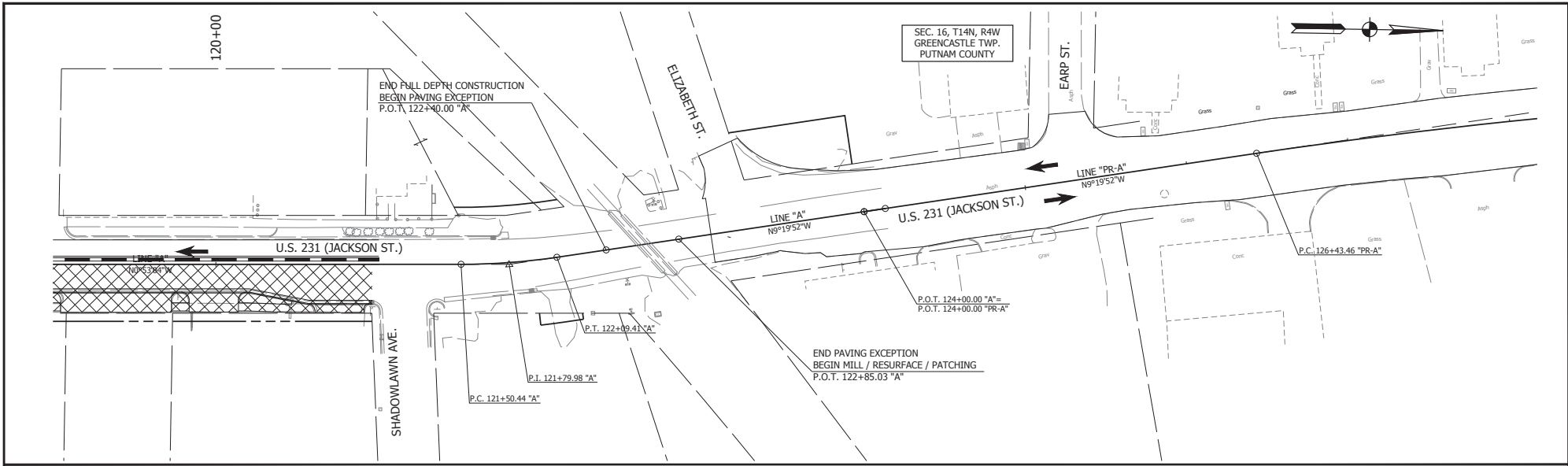
RECOMMENDED FOR APPROVAL _____ DATE _____
 DESIGN ENGINEER _____
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 CHECKED: L.L.C. CHECKED: L.L.C.

INDIANA
 DEPARTMENT OF TRANSPORTATION

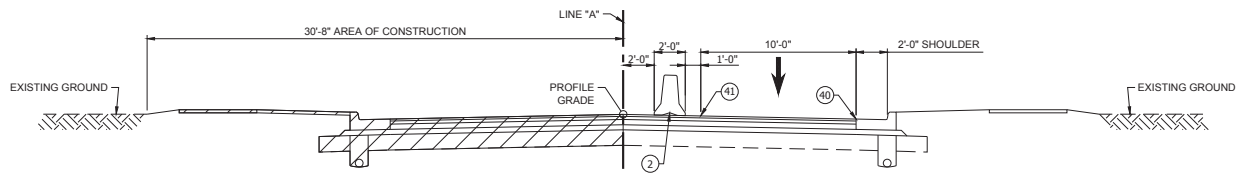
PLAN AND PROFILE
 PHASE VII-A

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	45 of 185
CONTRACT	PROJECT
RS 40573	1700121

PRINT DATE: 8/21/20
 PLOT SCALE: 1:1
 DATE: 10/20/20
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 EDITED BY: KUSHAW
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<p style="text-align: center;">LEGEND</p> <p> AREA OF CONSTRUCTION MILL AND RESURFACE</p> <p> AREA OF CONSTRUCTION FULL DEPTH PAVEMENT REPLACEMENT</p> <p style="text-align: center;">WORK ZONE DESIGN SPEED = 20 MPH</p>		<p>RECOMMENDED FOR APPROVAL _____ DATE _____</p> <p>DESIGN ENGINEER _____</p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>MAINTENANCE OF TRAFFIC PHASE VII-A</p>	<p>HORIZONTAL SCALE</p>	<p>BRIDGE FILE</p>
		<p>DESIGNED: <u>K.R.U.</u> DRAWN: <u>K.R.U.</u></p> <p>CHECKED: <u>L.L.C.</u> CHECKED: <u>L.L.C.</u></p>		<p>VERTICAL SCALE</p> <p>N/A</p>	<p>DESIGNATION</p> <p>1700121</p>
				<p>SURVEY BOOK</p>	<p>SHEET</p>
				<p>CONTRACT</p> <p>RS 40573</p>	<p>PROJECT</p> <p>1700121</p>
				<p>46</p>	<p>of 185</p>



TYPICAL SECTION
STA. 113+00 TO STA. 120+95.92 "A"

PRINT DATE: 03/12/20
 PLOT SCALE: 1:1
 DATE: 12/02/19 10:03 AM
 EDITOR: RUPRAW
 DRAWING FILE: I:\15000-265-1 US 231 ROAD REHABILITATION\DRAWINGS\TYPICALS\0231 TYPICALS\0231 HOT MILL.PWG

- LEGEND**
- AREA OF CONSTRUCTION
 - ① CONSTRUCTION DRUM
 - ② TEMPORARY CONCRETE BARRIER
 - Ⓢ TEMP. PAVEMENT MARKINGS, SOLID WHITE, 4"
 - Ⓣ TEMP. PAVEMENT MARKINGS, SOLID YELLOW, 4"

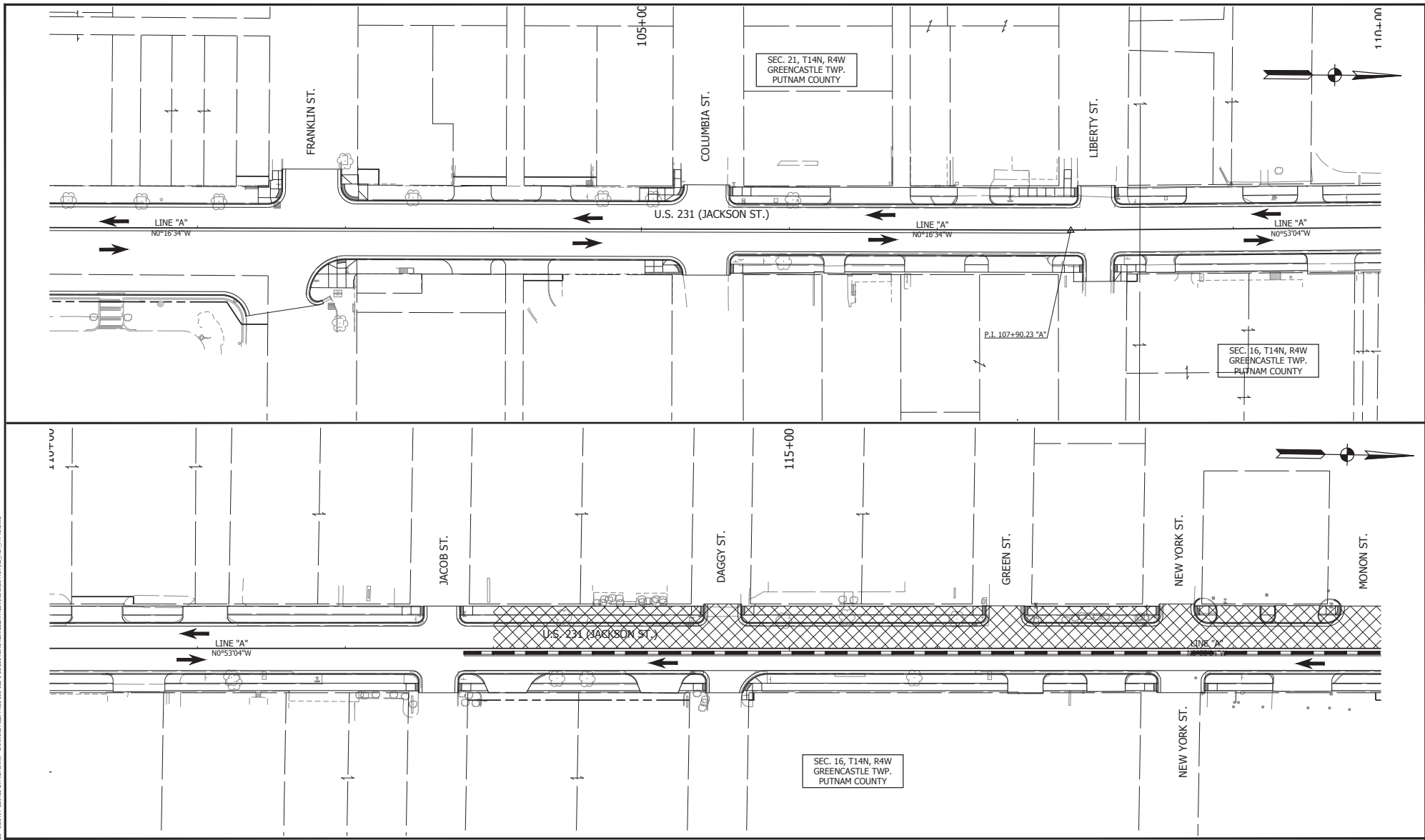
RECOMMENDED FOR APPROVAL _____ <small>DESIGN ENGINEER</small> <small>DATE</small>	
DESIGNED: <u>L.L.C.</u> DRAWN: <u>K.R.U.</u>	
CHECKED: <u>B.C.F.</u> CHECKED: <u>L.L.C.</u>	

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - PHASE VII-B
U.S. 231

<small>HORIZONTAL SCALE</small>	<small>BRIDGE FILE</small>
1/2" = 1'-0"	N/A
<small>VERTICAL SCALE</small>	<small>DESIGNATION</small>
N/A	1700121
<small>SURVEY BOOK</small>	<small>SHEET</small>
	47 of 185
<small>CONTRACT</small>	<small>PROJECT</small>
RS 40573	1700121

PRINT DATE: 8/23/2020
 PLOT SCALE: 1:1
 DATE: 10/20/2018 10:33 AM
 EDITED BY: K.R.U.
 DRAWING FILE: P:\18000\096\1101231\ROAD\REHABILITATION\KACADUS\NOTED\1801231.DWG



LEGEND

AREA OF CONSTRUCTION
MILL AND RESURFACING

AREA OF CONSTRUCTION
FULL DEPTH PAVEMENT REPLACEMENT

WORK ZONE DESIGN SPEED = 20 MPH

RECOMMENDED FOR APPROVAL _____ DATE _____
 DESIGN ENGINEER

DESIGNED: K.R.U. DRAWN: K.R.U.

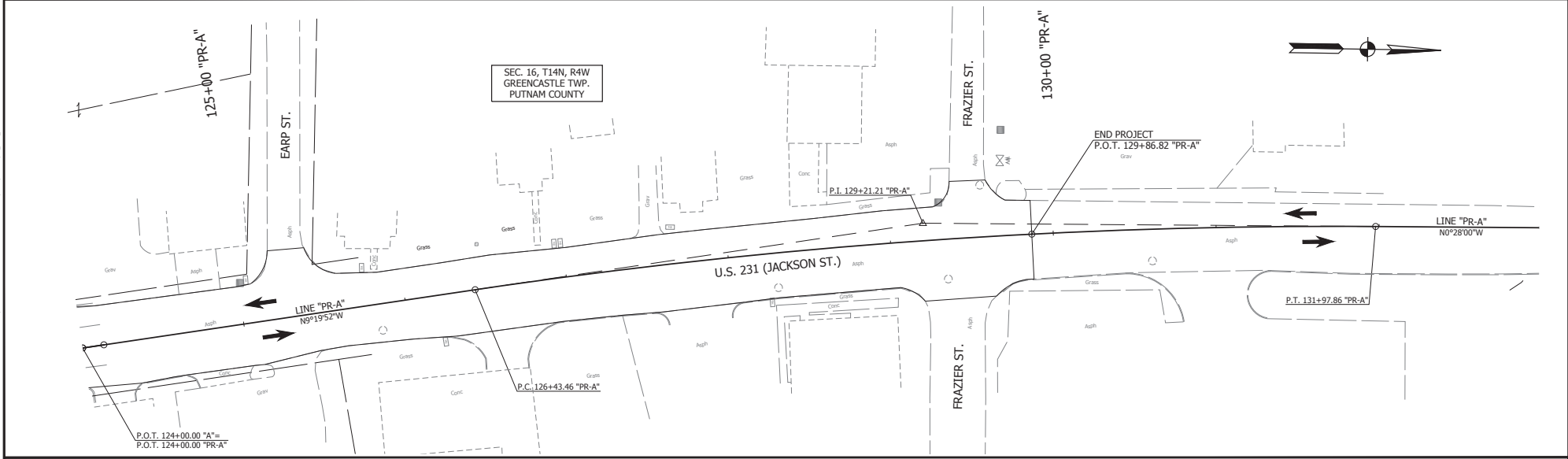
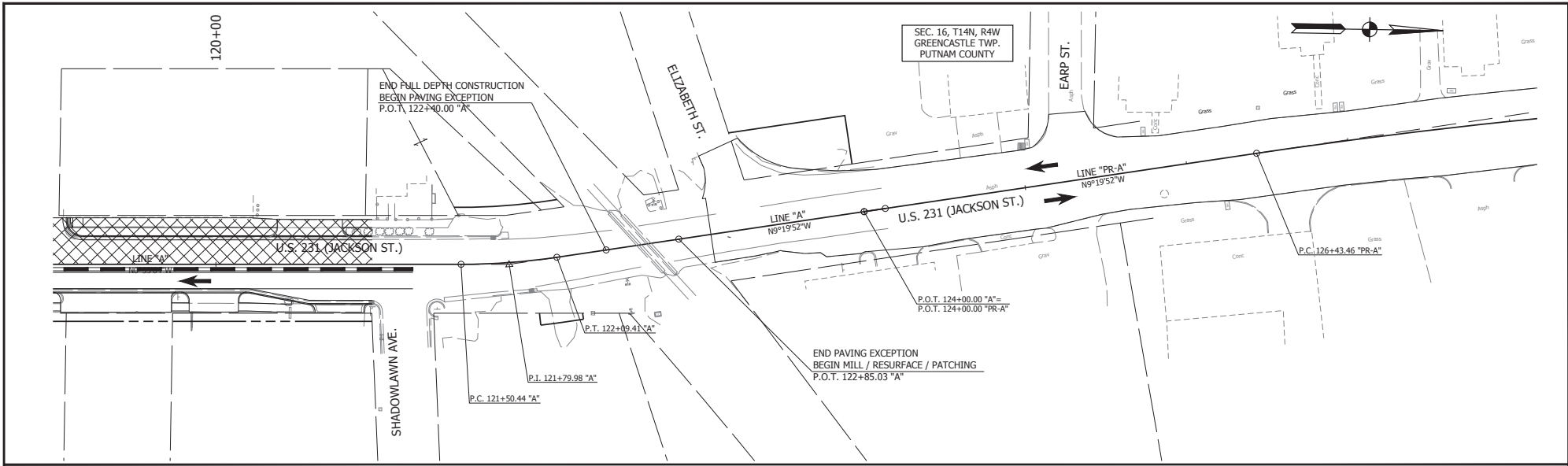
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INDIANA
 DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
 PHASE VII-B

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	48 of 185
CONTRACT	PROJECT
RS 40573	1700121

PRINT DATE: 8/21/20
 PLOT SCALE: 1:1
 DATE: 10/20/20
 DESIGNED BY: K.R.U.
 DRAWING FILE: P:\15000\096\150231\ROAD\REHABILITATION\KADAMUS\MOTD\PHASE VII-B.DWG
 EDITOR: J.S.



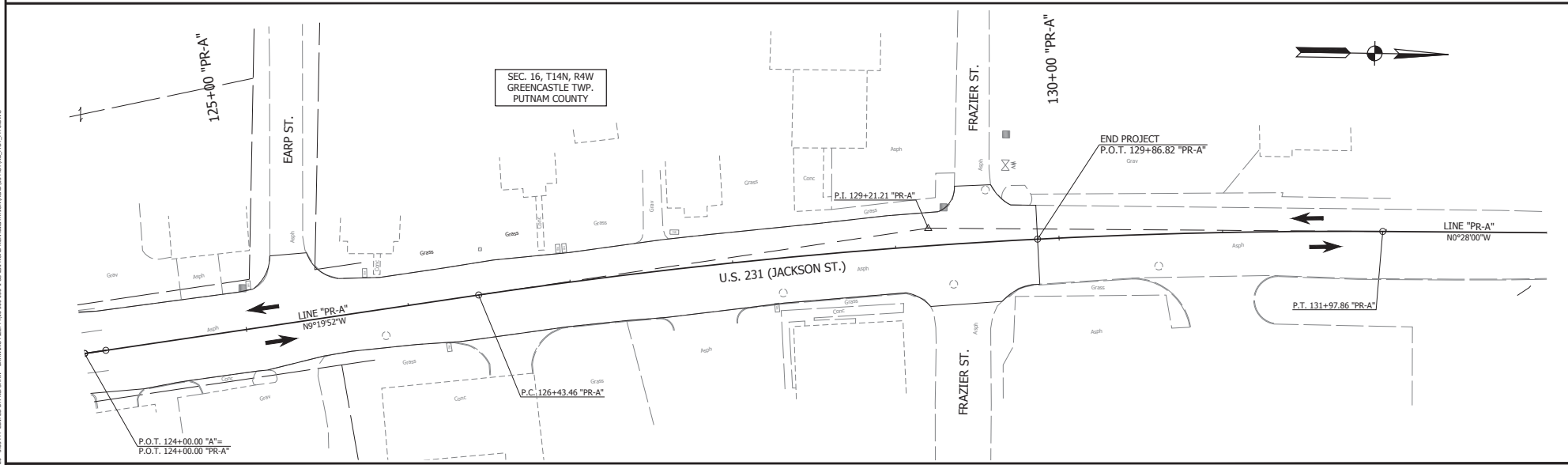
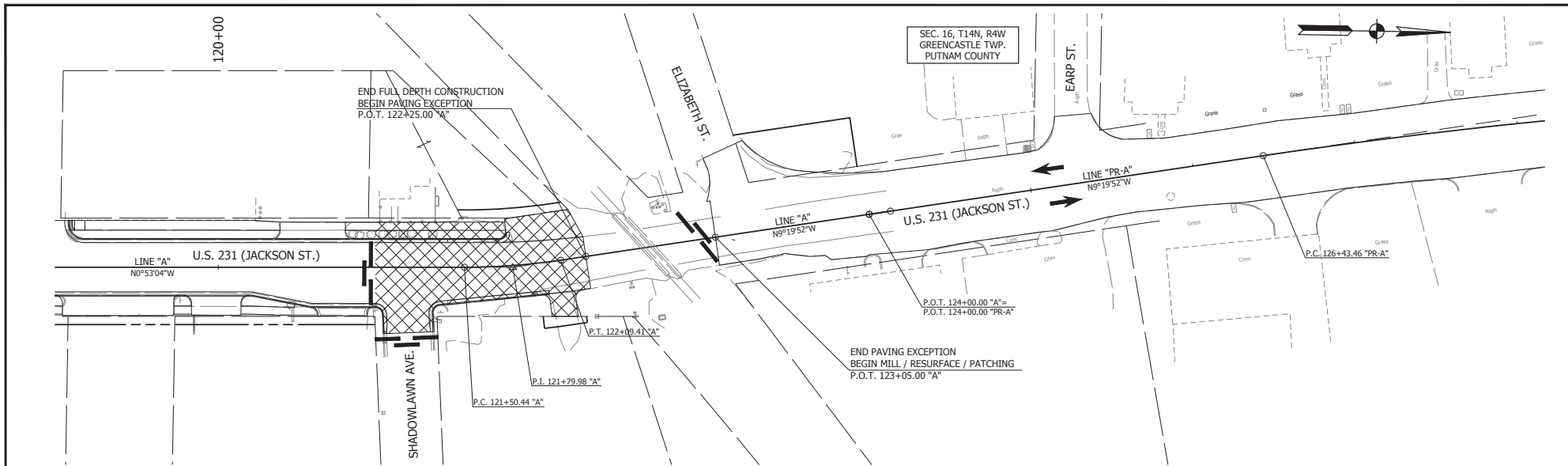
LEGEND	
	AREA OF CONSTRUCTION MILL AND RESURFACE
	AREA OF CONSTRUCTION FULL DEPTH PAVEMENT REPLACEMENT
WORK ZONE DESIGN SPEED = 20 MPH	

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: K.R.U.	DRAWN: K.R.U.	
CHECKED: L.L.C.	CHECKED: L.L.C.	

INDIANA DEPARTMENT OF TRANSPORTATION	
MAINTENANCE OF TRAFFIC PHASE VII-B	

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	49 of 185
CONTRACT	PROJECT
RS 40573	1700121

PRINT DATE: 8/21/20
 PLOT SCALE: 1:1
 DATE: 10/20/20 1:53 PM
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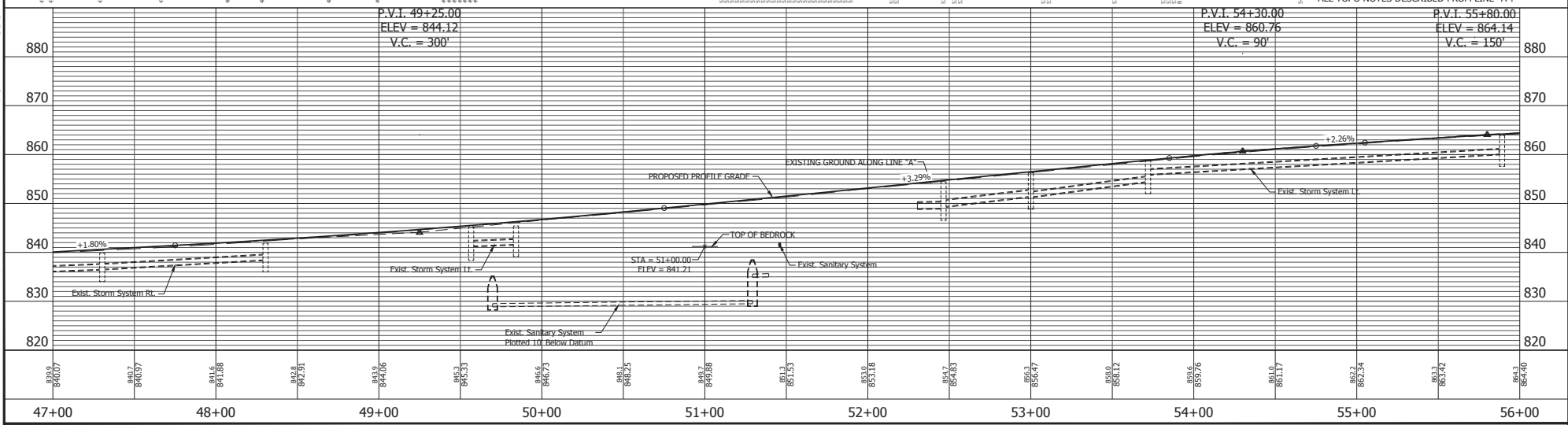
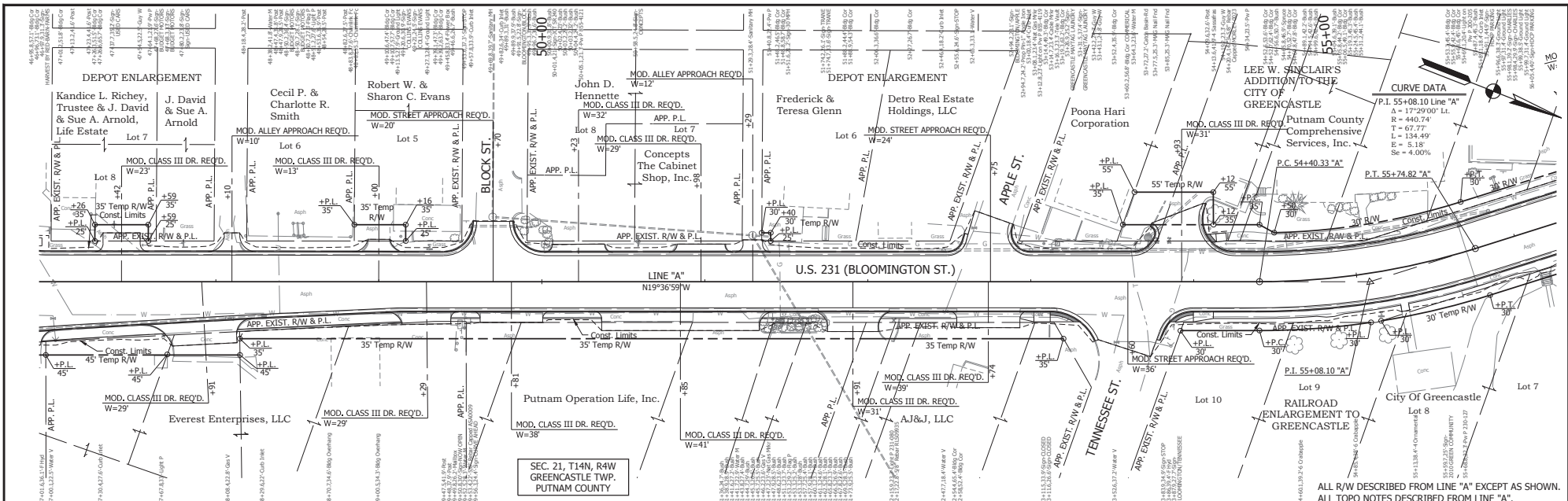
LEGEND	
	AREA OF CONSTRUCTION MILL AND RESURFACE
	AREA OF CONSTRUCTION FULL DEPTH PAVEMENT REPLACEMENT
WORK ZONE DESIGN SPEED = 20 MPH	

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: K.R.U.	DRAWN: K.R.U.	
CHECKED: L.L.C.	CHECKED: L.L.C.	

INDIANA
 DEPARTMENT OF TRANSPORTATION

 MAINTENANCE OF TRAFFIC
 PHASE VIII

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	50 of 185
CONTRACT	PROJECT
RS 40573	1700121



47+00	48+00	49+00	50+00	51+00	52+00	53+00	54+00	55+00	56+00		
835.9 840.7	846.7 849.7	851.6 841.8	842.8 872.31	851.9 844.8	855.3 845.33	865.2 847.2	851.3 851.53	865.0 853.18	854.7 854.83	865.3 855.47	864.3 864.40

47+00	48+00	49+00	50+00	51+00	52+00	53+00	54+00	55+00	56+00		
835.9 840.7	846.7 849.7	851.6 841.8	842.8 872.31	851.9 844.8	855.3 845.33	865.2 847.2	851.3 851.53	865.0 853.18	854.7 854.83	865.3 855.47	864.3 864.40

47+00	48+00	49+00	50+00	51+00	52+00	53+00	54+00	55+00	56+00		
835.9 840.7	846.7 849.7	851.6 841.8	842.8 872.31	851.9 844.8	855.3 845.33	865.2 847.2	851.3 851.53	865.0 853.18	854.7 854.83	865.3 855.47	864.3 864.40

47+00	48+00	49+00	50+00	51+00	52+00	53+00	54+00	55+00	56+00		
835.9 840.7	846.7 849.7	851.6 841.8	842.8 872.31	851.9 844.8	855.3 845.33	865.2 847.2	851.3 851.53	865.0 853.18	854.7 854.83	865.3 855.47	864.3 864.40

47+00	48+00	49+00	50+00	51+00	52+00	53+00	54+00	55+00	56+00		
835.9 840.7	846.7 849.7	851.6 841.8	842.8 872.31	851.9 844.8	855.3 845.33	865.2 847.2	851.3 851.53	865.0 853.18	854.7 854.83	865.3 855.47	864.3 864.40



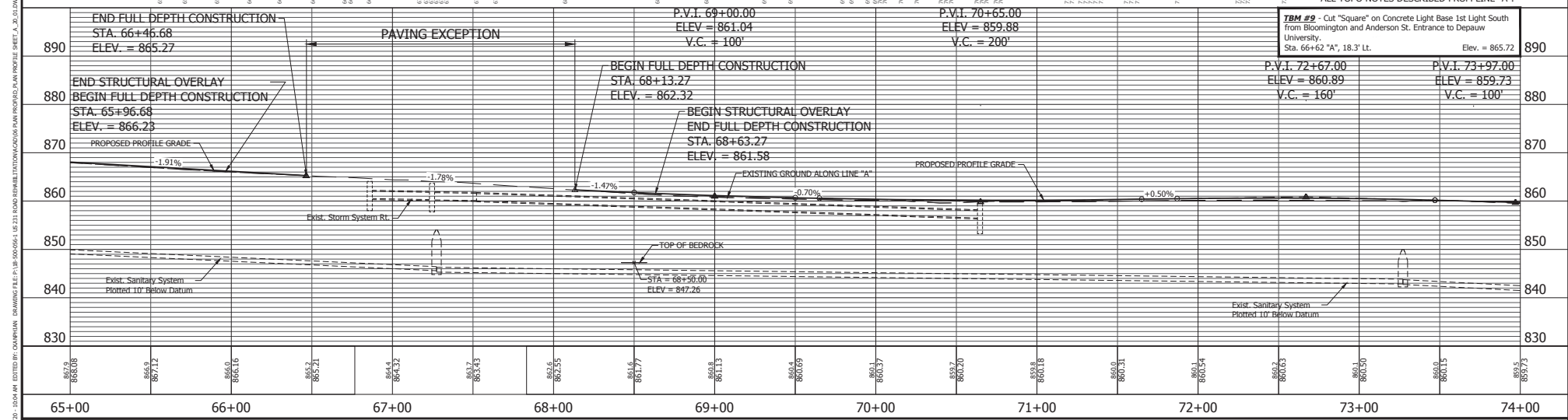
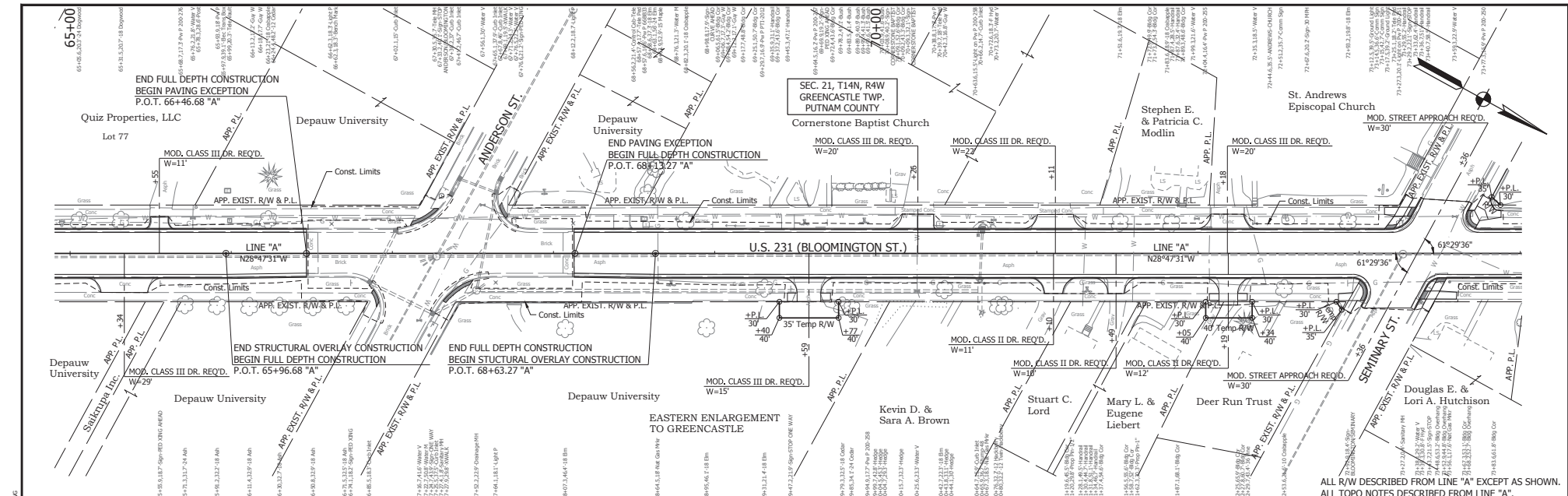
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: Y.Z.	DRAWN: M.R.M.	
CHECKED: L.L.C.	CHECKED: L.L.C.	

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
STA. 47+00.00 TO 56+00.00 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	53 of 185
CONTRACT	PROJECT
RS 40573	1700121

PRINT DATE: 8/21/20
 PLOT SCALE: 1:1
 DATE: 8/20/20
 DRAWING FILE: P:\8-2000005-02\31-ROAD\REHABILITATION\ROADWAY\PROFILES\PLAN PROFILE SHEET_A_30.0.DWG
 EDITOR: COMPIAN

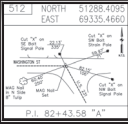
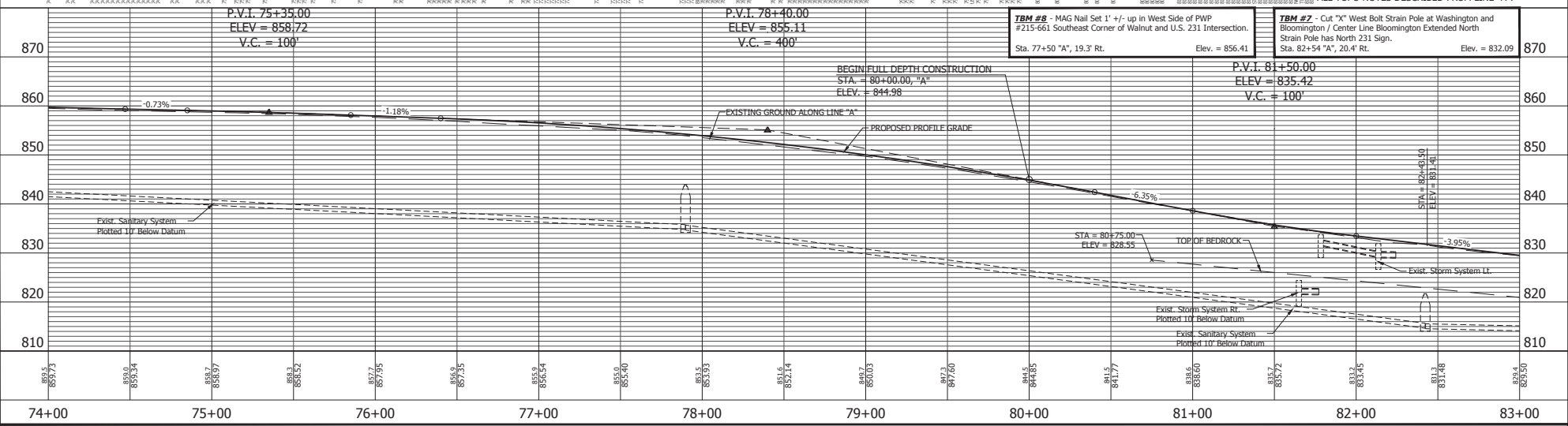
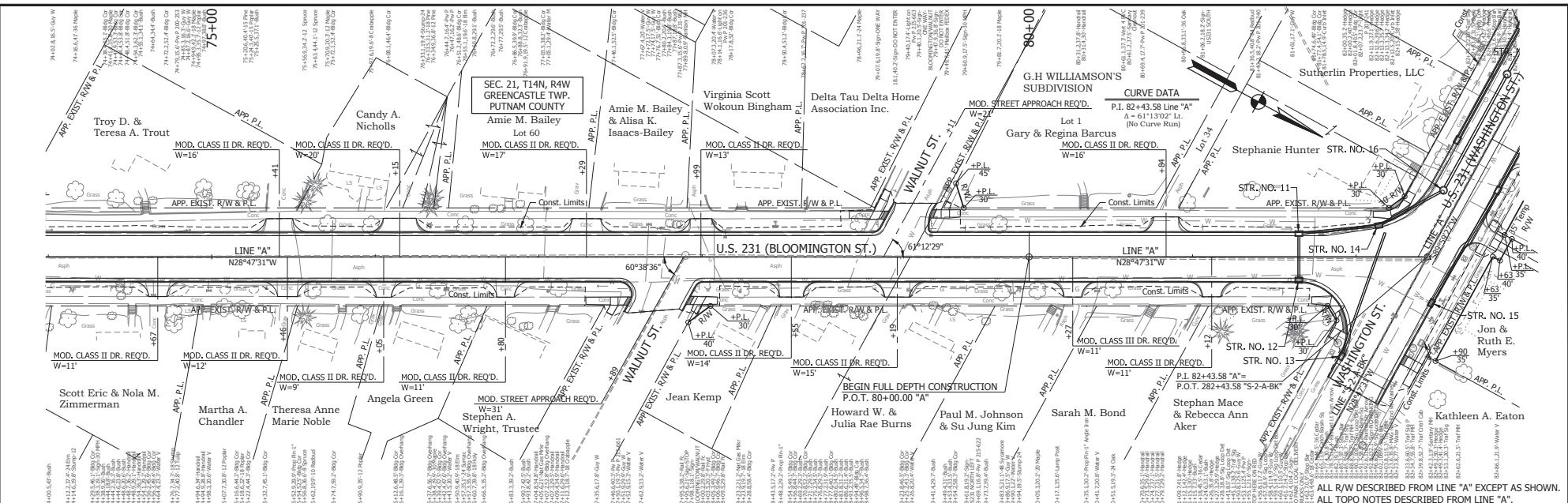


857.9 858.08	866.0 867.12	866.0 866.16	865.2 865.21	864.3 864.31	863.7 863.43	863.5 862.55	861.6 861.77	860.8 861.13	860.4 860.69	860.1 860.37	859.7 860.20	860.8 860.18	860.0 860.31	860.1 860.54	860.3 860.63	860.0 860.50	860.0 860.13	859.5 859.73
65+00	66+00	67+00	68+00	69+00	70+00	71+00	72+00	73+00	74+00									

PRINT DATE: 8/21/20
 PLOT SCALE: 1" = 10'
 DRAWING FILE: P:\8-2009\95-18-11-ROAD\REHABILITATION\ROADWAY\PROFILES\PLAN PROFILE SHEET_A_30.DWG
 DESIGNED BY: COMPTON
 CHECKED BY: L.L.C.
 DATE: 8/21/20

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION PLAN AND PROFILE STA. 65+00.00 TO 74+00.00 LINE "A"	HORIZONTAL SCALE	BRIDGE FILE
DESIGNED: Y.Z.	DRAWN: M.R.M.			1" = 30'	N/A
CHECKED: L.L.C.	CHECKED: L.L.C.			VERTICAL SCALE	DESIGNATION
				N/A	1700121
			SURVEY BOOK	SHEET	
			CONTRACT	55	185
			RS 40573	PROJECT	1700121

PRINT DATE: 8/21/20
 PLOT SCALE: 1:1
 11.2 NORTH 91288.4095
 EAST 69335.4660
 1" = 30'
 N/A
 SURVEY BOOK
 CONTRACT RS 40573
 BRIDGE FILE
 N/A
 DESIGNATION 1700121
 SHEET 56 of 185
 PROJECT 1700121

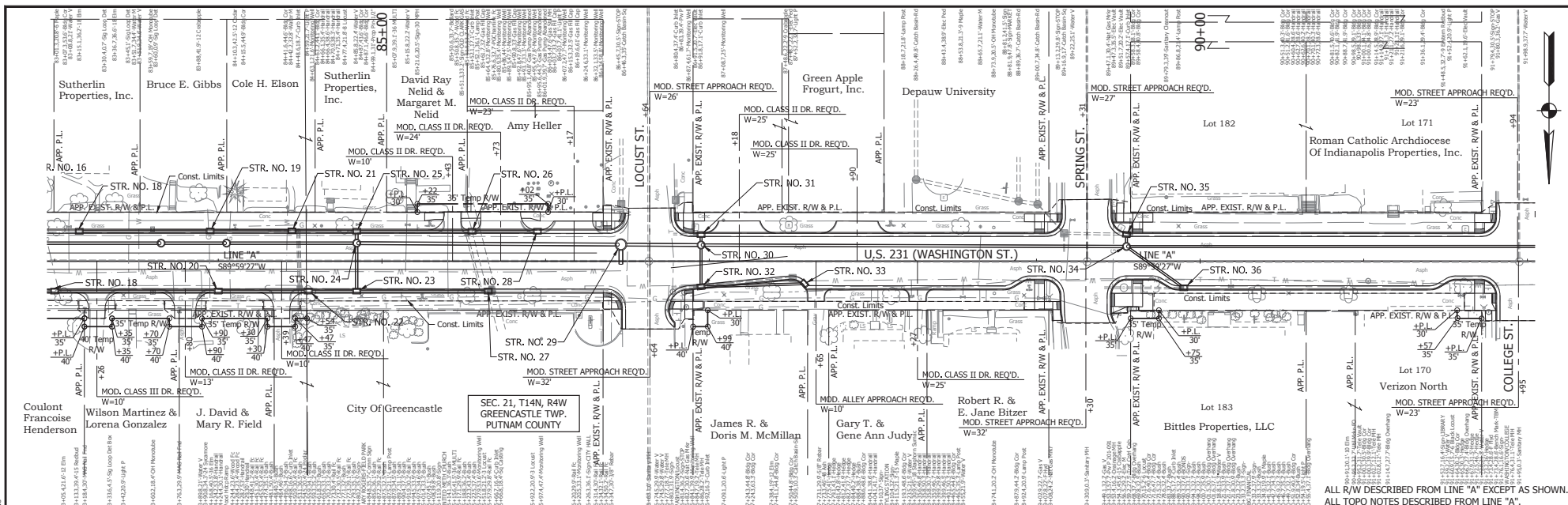


DESIGNED: Y.Z.	DRAWN: M.R.M.
CHECKED: L.L.C.	CHECKED: L.L.C.

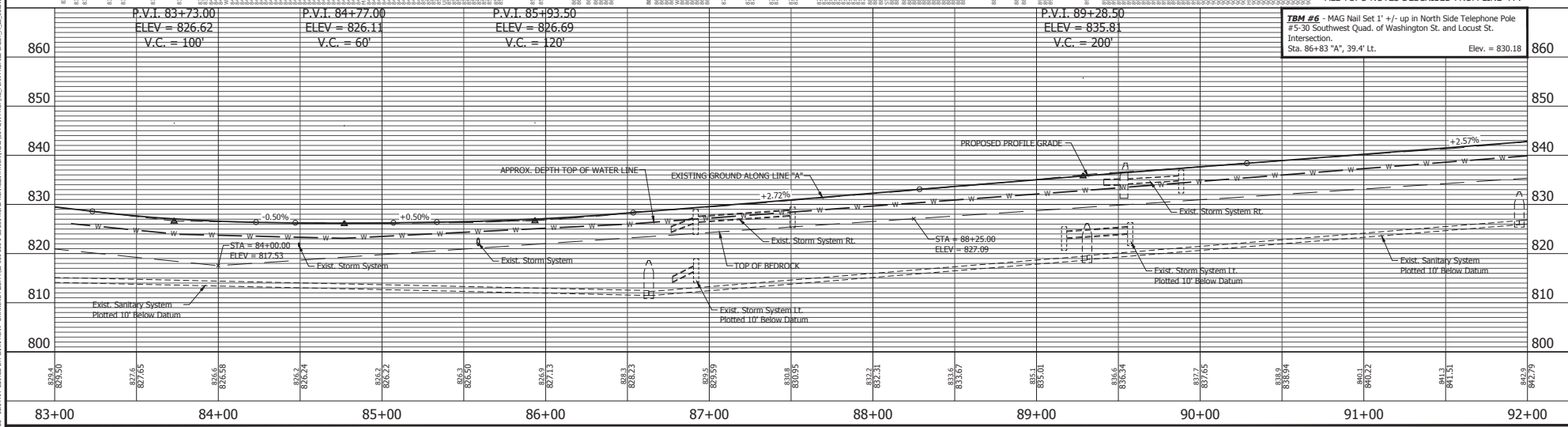
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____
 INDIANA DEPARTMENT OF TRANSPORTATION
 PLAN AND PROFILE
 STA. 74+00.00 TO 83+00.00 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	56 of 185
CONTRACT	PROJECT
RS 40573	1700121

PRINT DATE: 8/21/20
 PLOT SCALE: 1:1
 E00T DATE: 08/20/20
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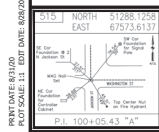
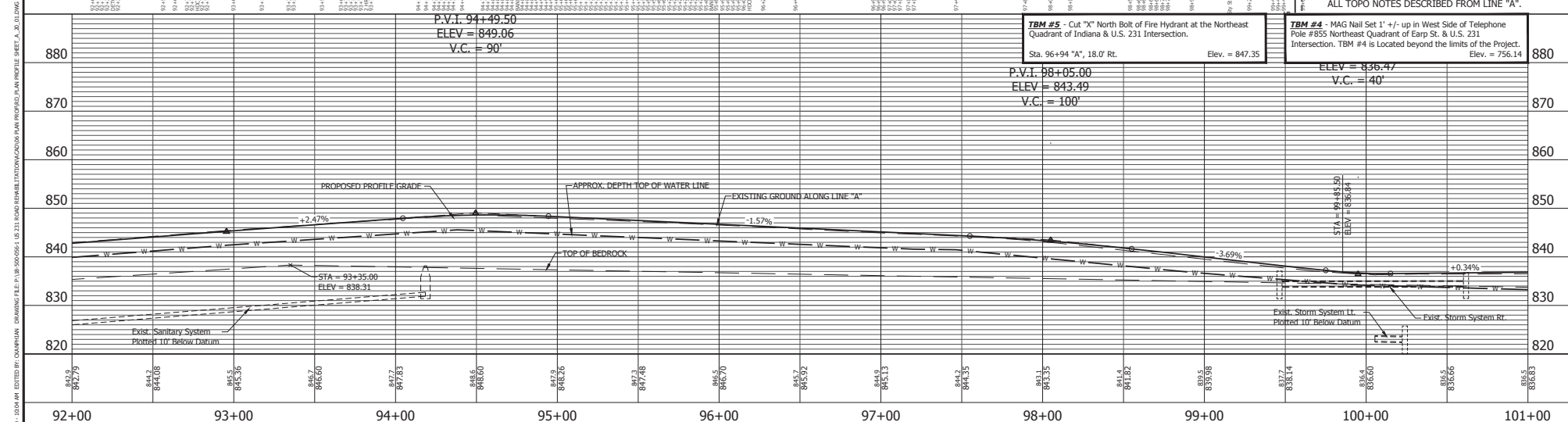
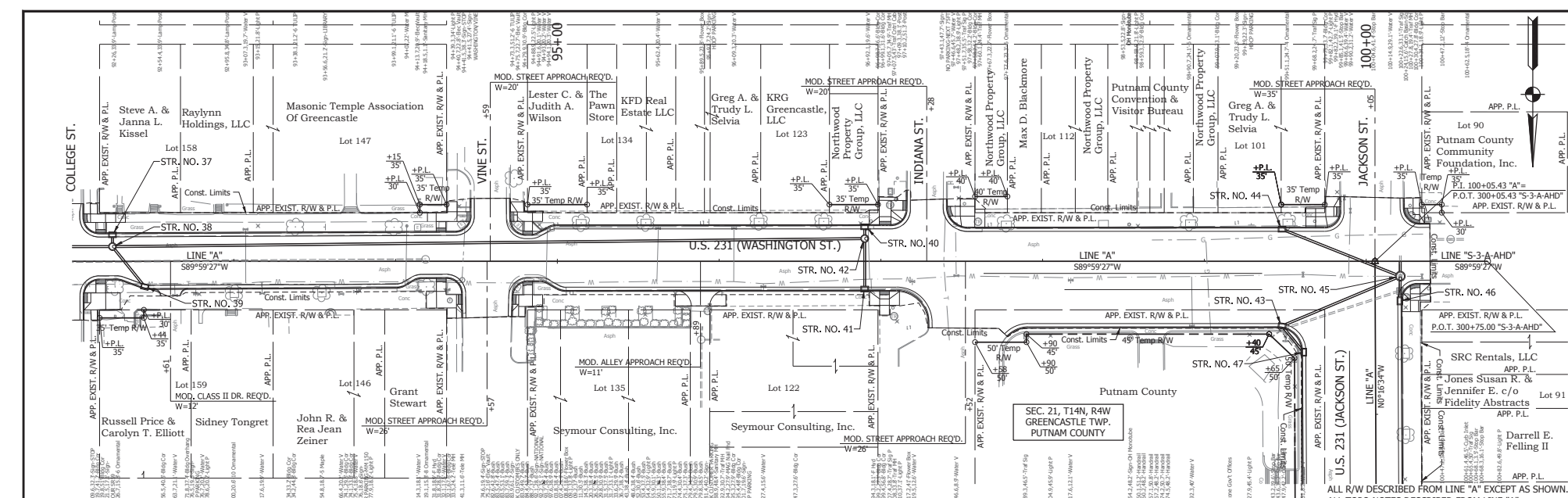


ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.
 ALL TOPO NOTES DESCRIBED FROM LINE "A".



TBM #6 - MAG Nail Set 1' +/- up in North Side Telephone Pole #5-30 Southwest Quad. of Washington St. and Locust St. Intersection.
 Sta. 86+83 "A", 39.4' Lt. Elevation = 830.18

RECOMMENDED FOR APPROVAL _____ DATE _____ DESIGN ENGINEER		INDIANA DEPARTMENT OF TRANSPORTATION PLAN AND PROFILE STA. 83+00.00 TO 92+00.00 LINE "A"	HORIZONTAL SCALE 1" = 30'	BRIDGE FILE N/A
DESIGNED: <u>Y.Z.</u> DRAWN: <u>M.R.M.</u>			VERTICAL SCALE N/A	DESIGNATION 1700121
CHECKED: <u>L.L.C.</u> CHECKED: <u>L.L.C.</u>			SURVEY BOOK 57	SHEET of 185
			CONTRACT RS 40573	PROJECT 1700121



DESIGNED: Y.Z.	DRAWN: M.R.M.
CHECKED: L.L.C.	CHECKED: L.L.C.

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____

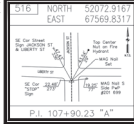
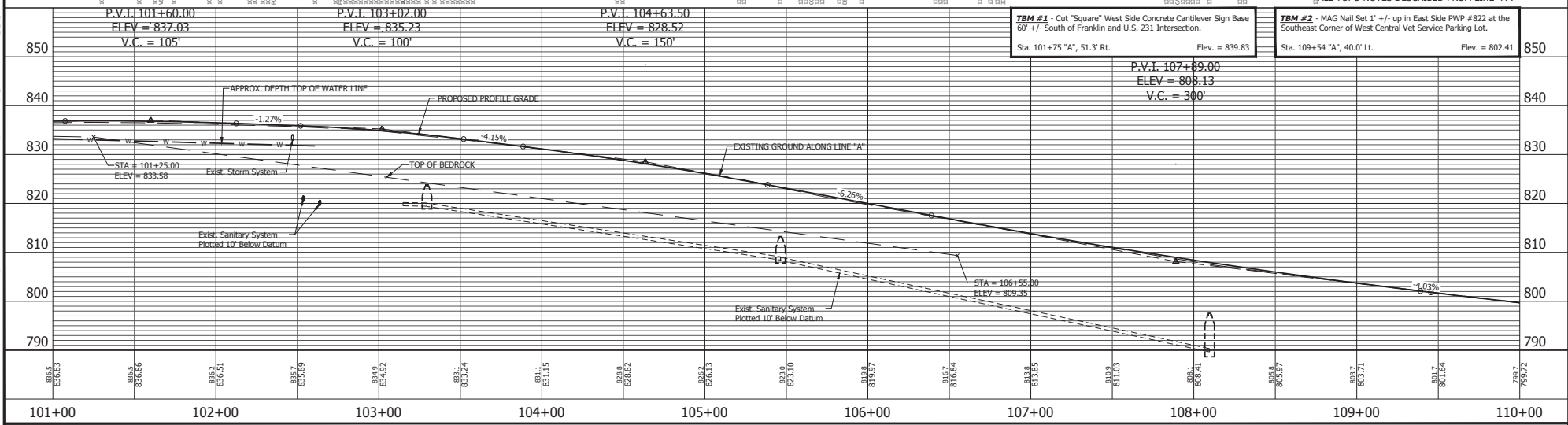
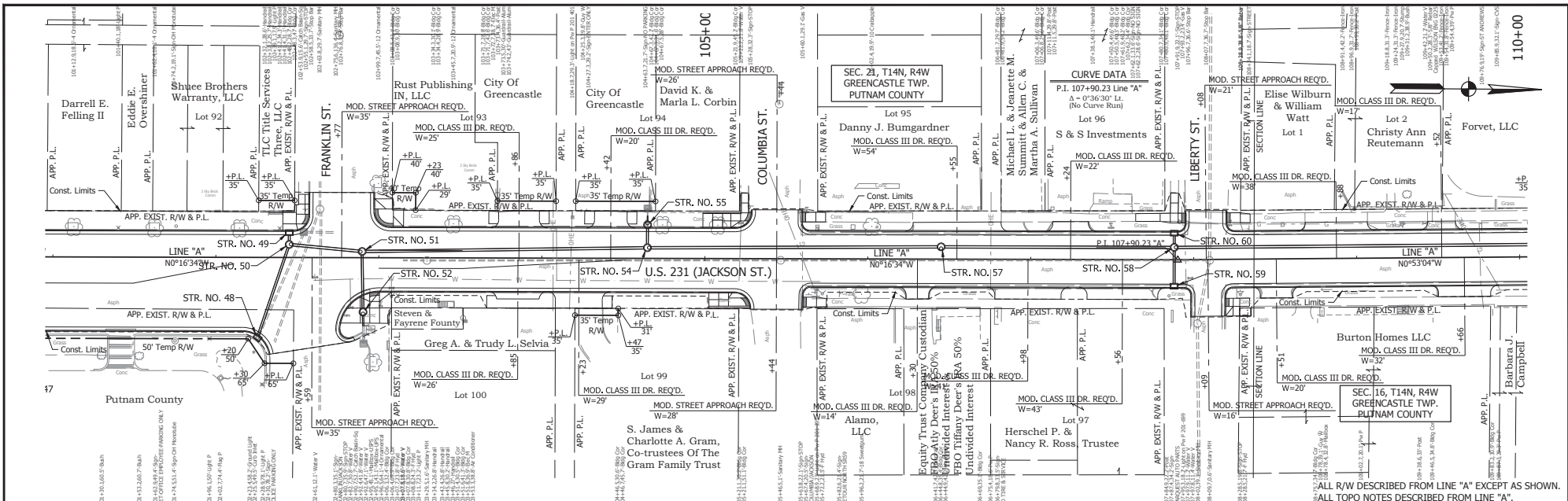
INDIANA DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE
STA. 92+00.00 TO 101+00.00 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	58 of 185
CONTRACT	PROJECT
RS 40573	1700121

PRINT DATE: 8/21/20
PLOT SCALE: 1:1
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PRINT DATE: 8/21/20
 PLOT SCALE: 1" = 30'

REVISIONS: 1. DATE: 08/20/20 BY: COMPIAN DRAWING FILE: I:\18-000095-18-231-ROAD-REHABILITATION\DRAWING\DWG\PROJ\PLAN\INDIANE SHEET_A_30.DWG

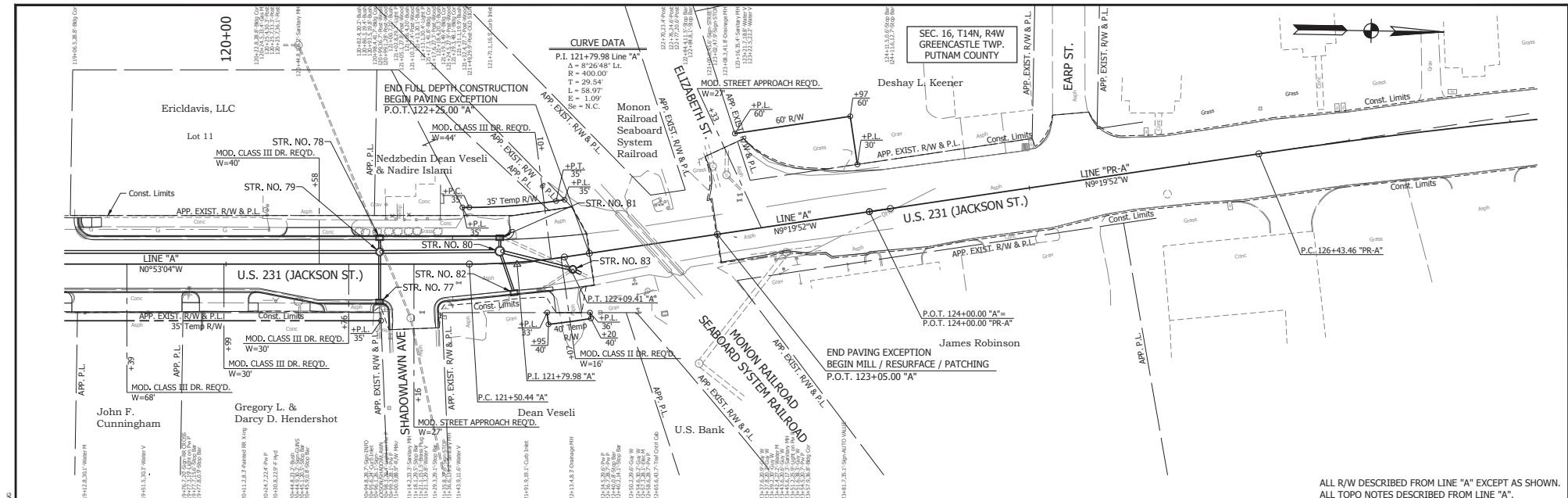


NORTH 52072.9167 EAST 67569.8317	DESIGN ENGINEER: _____ DATE: _____ DESIGNED: Y.Z. DRAWN: M.R.M. CHECKED: L.L.C. CHECKED: L.L.C.
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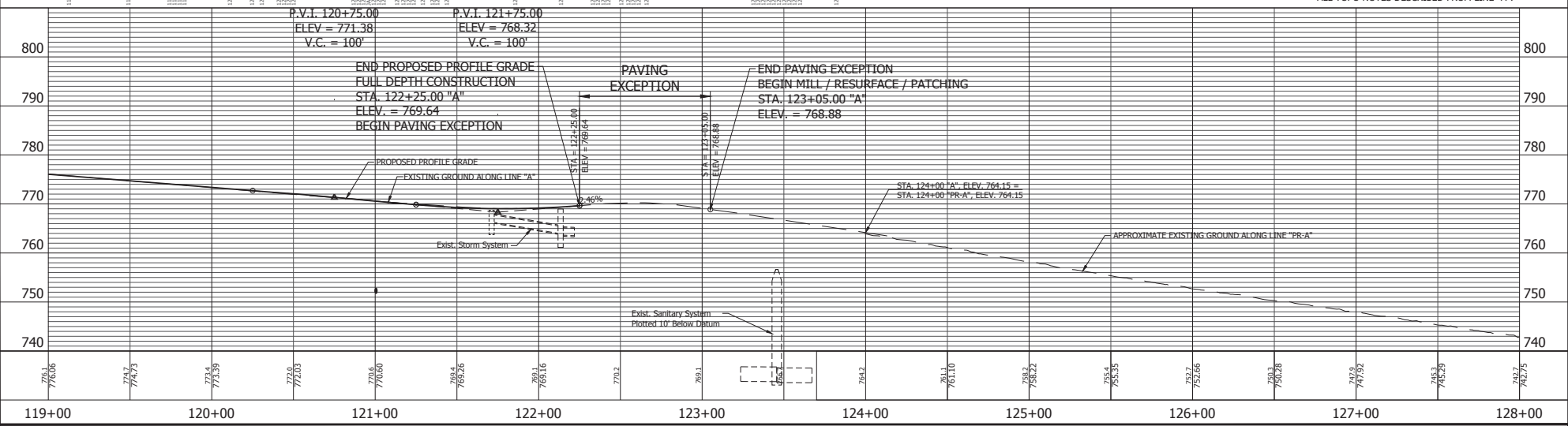
INDIANA
 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
 STA. 101+00.00 TO 110+00.00 LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	59 of 185
CONTRACT	PROJECT
RS 40573	1700121



ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.
 ALL TOPO NOTES DESCRIBED FROM LINE "A".

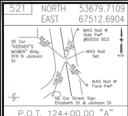
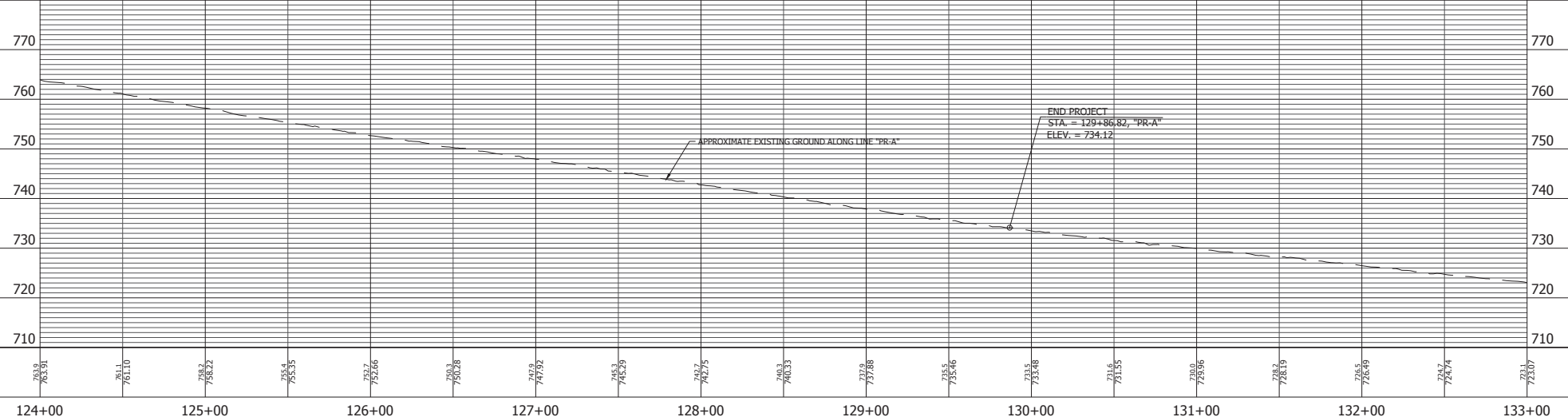
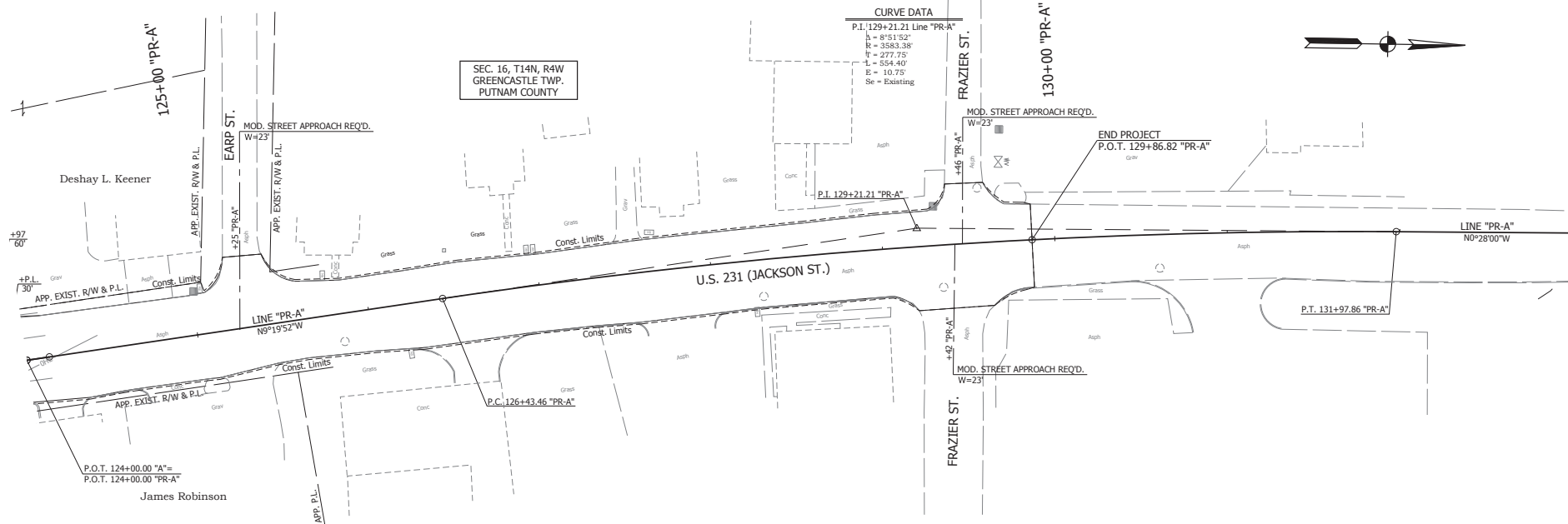


<table border="1"> <tr> <td>518</td> <td>NORTH</td> <td>53432.9588</td> </tr> <tr> <td></td> <td>EAST</td> <td>67548.8382</td> </tr> </table>	518	NORTH	53432.9588		EAST	67548.8382	<table border="1"> <tr> <td>519</td> <td>NORTH</td> <td>53462.4937</td> </tr> <tr> <td></td> <td>EAST</td> <td>67548.3823</td> </tr> </table>	519	NORTH	53462.4937		EAST	67548.3823	<table border="1"> <tr> <td>520</td> <td>NORTH</td> <td>53491.8412</td> </tr> <tr> <td></td> <td>EAST</td> <td>67543.5929</td> </tr> </table>	520	NORTH	53491.8412		EAST	67543.5929	<table border="1"> <tr> <td>521</td> <td>NORTH</td> <td>53679.7109</td> </tr> <tr> <td></td> <td>EAST</td> <td>67512.6904</td> </tr> </table>	521	NORTH	53679.7109		EAST	67512.6904	<table border="1"> <tr> <td>RECOMMENDED FOR APPROVAL</td> <td>DESIGN ENGINEER</td> <td>DATE</td> </tr> <tr> <td>DESIGNED: Y.Z.</td> <td>DRAWN: M.R.M.</td> <td></td> </tr> <tr> <td>CHECKED: L.L.C.</td> <td>CHECKED: L.L.C.</td> <td></td> </tr> </table>	RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	DESIGNED: Y.Z.	DRAWN: M.R.M.		CHECKED: L.L.C.	CHECKED: L.L.C.		<table border="1"> <tr> <td colspan="2">INDIANA DEPARTMENT OF TRANSPORTATION</td> </tr> <tr> <td colspan="2">PLAN AND PROFILE</td> </tr> <tr> <td colspan="2">STA. 119+00.00 "A" TO 124+13.16 LINE "PR-A"</td> </tr> </table>	INDIANA DEPARTMENT OF TRANSPORTATION		PLAN AND PROFILE		STA. 119+00.00 "A" TO 124+13.16 LINE "PR-A"		<table border="1"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1" = 30'</td> <td>N/A</td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>N/A</td> <td>1700121</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEET</td> </tr> <tr> <td></td> <td>61 of 185</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>RS 40573</td> <td>1700121</td> </tr> </table>	HORIZONTAL SCALE	BRIDGE FILE	1" = 30'	N/A	VERTICAL SCALE	DESIGNATION	N/A	1700121	SURVEY BOOK	SHEET		61 of 185	CONTRACT	PROJECT	RS 40573	1700121
518	NORTH	53432.9588																																																											
	EAST	67548.8382																																																											
519	NORTH	53462.4937																																																											
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	EAST	67543.5929																																																											
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	EAST	67512.6904																																																											
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE																																																											
DESIGNED: Y.Z.	DRAWN: M.R.M.																																																												
CHECKED: L.L.C.	CHECKED: L.L.C.																																																												
INDIANA DEPARTMENT OF TRANSPORTATION																																																													
PLAN AND PROFILE																																																													
STA. 119+00.00 "A" TO 124+13.16 LINE "PR-A"																																																													
HORIZONTAL SCALE	BRIDGE FILE																																																												
1" = 30'	N/A																																																												
VERTICAL SCALE	DESIGNATION																																																												
N/A	1700121																																																												
SURVEY BOOK	SHEET																																																												
	61 of 185																																																												
CONTRACT	PROJECT																																																												
RS 40573	1700121																																																												

PRINT DATE: 8/10/20
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SEC. 16, T14N, R4W
GREENCASTLE TWP.
PUTNAM COUNTY

CURVE DATA
P.I. 129+21.21 Line "PR-A"
L = 8'51.52'
R = 3583.38'
T = 277.75'
L = 558.40'
E = 10.75'
S_e = Existing



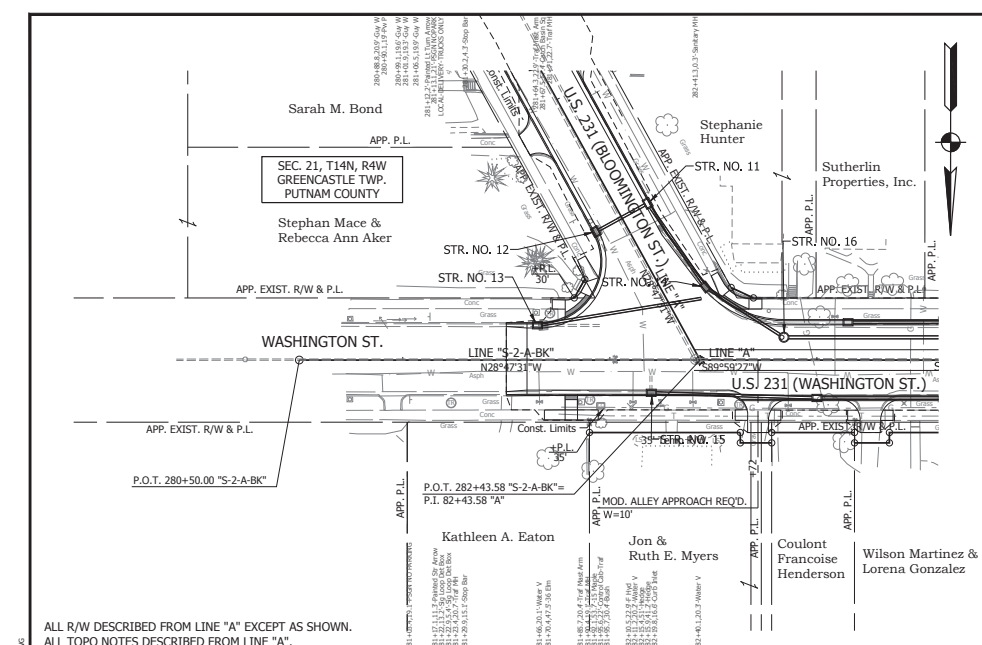
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: Y.Z.	DRAWN: M.R.M.	
CHECKED: L.L.C.	CHECKED: L.L.C.	

INDIANA
DEPARTMENT OF TRANSPORTATION

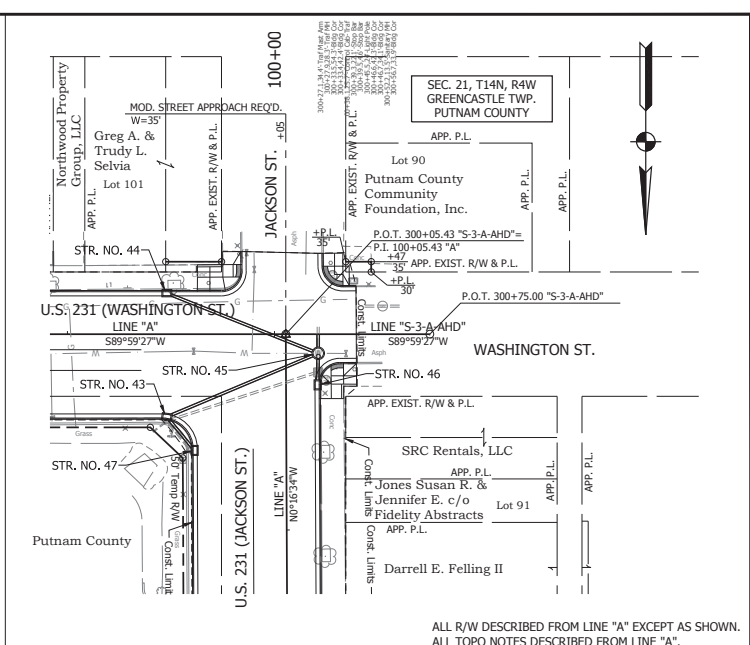
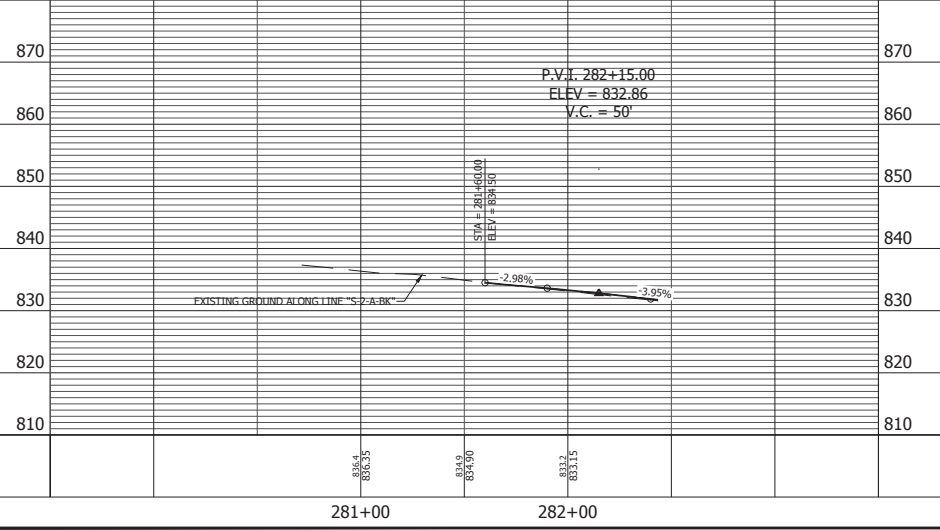
PLAN AND PROFILE
STA. 124+00.00 TO 133+00.00 LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	62 of 185
CONTRACT	PROJECT
RS 40573	1700121

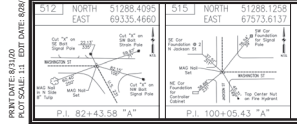
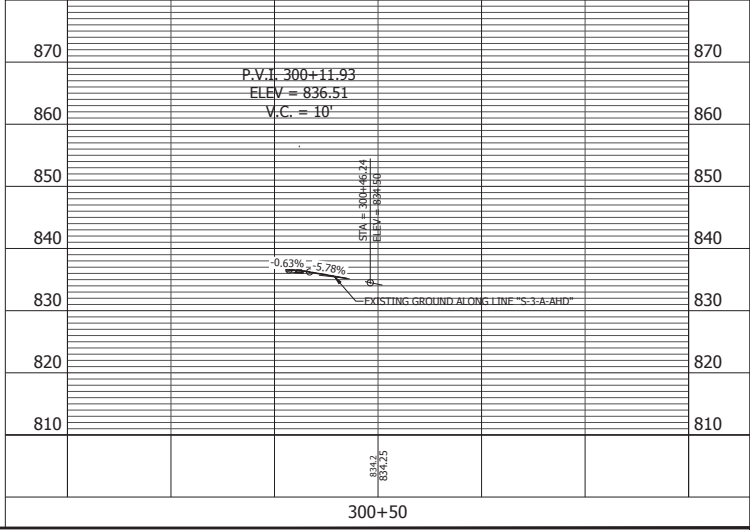
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ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.
ALL TOPO NOTES DESCRIBED FROM LINE "A".



ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.
ALL TOPO NOTES DESCRIBED FROM LINE "A".



RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: Y.Z.	DRAWN: M.R.M.	
CHECKED: L.L.C.	CHECKED: L.L.C.	

INDIANA DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE
LINE "S-2-A-BK" & LINE "S-3-A-AHD"

HORIZONTAL SCALE	BRIDGE FILE
1" =	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700121
SURVEY BOOK	SHEET
	63 of 185
CONTRACT	PROJECT
RS 40573	1700121

PRINT DATE: 8/21/20
 PLOT SCALE: 1:1
 EDD DATE: 8/20/20
 10:04 AM
 EDITED BY: COMPIAN
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