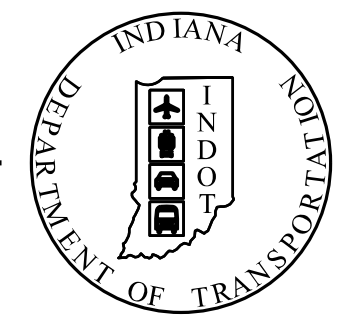


PROJECT	DESIGNATION
1800033	1800033
CONTRACT	
R-42600	

KIN DES TABLE	
DESIGNATION	PROJECT DESCRIPTION
1800033 (LEAD)	SR 135 ADDED TRAVEL LANES
1801028	HONEY CREEK CULVERT REPLACEMENT

Excerpt

INDIANA DEPARTMENT OF TRANSPORTATION

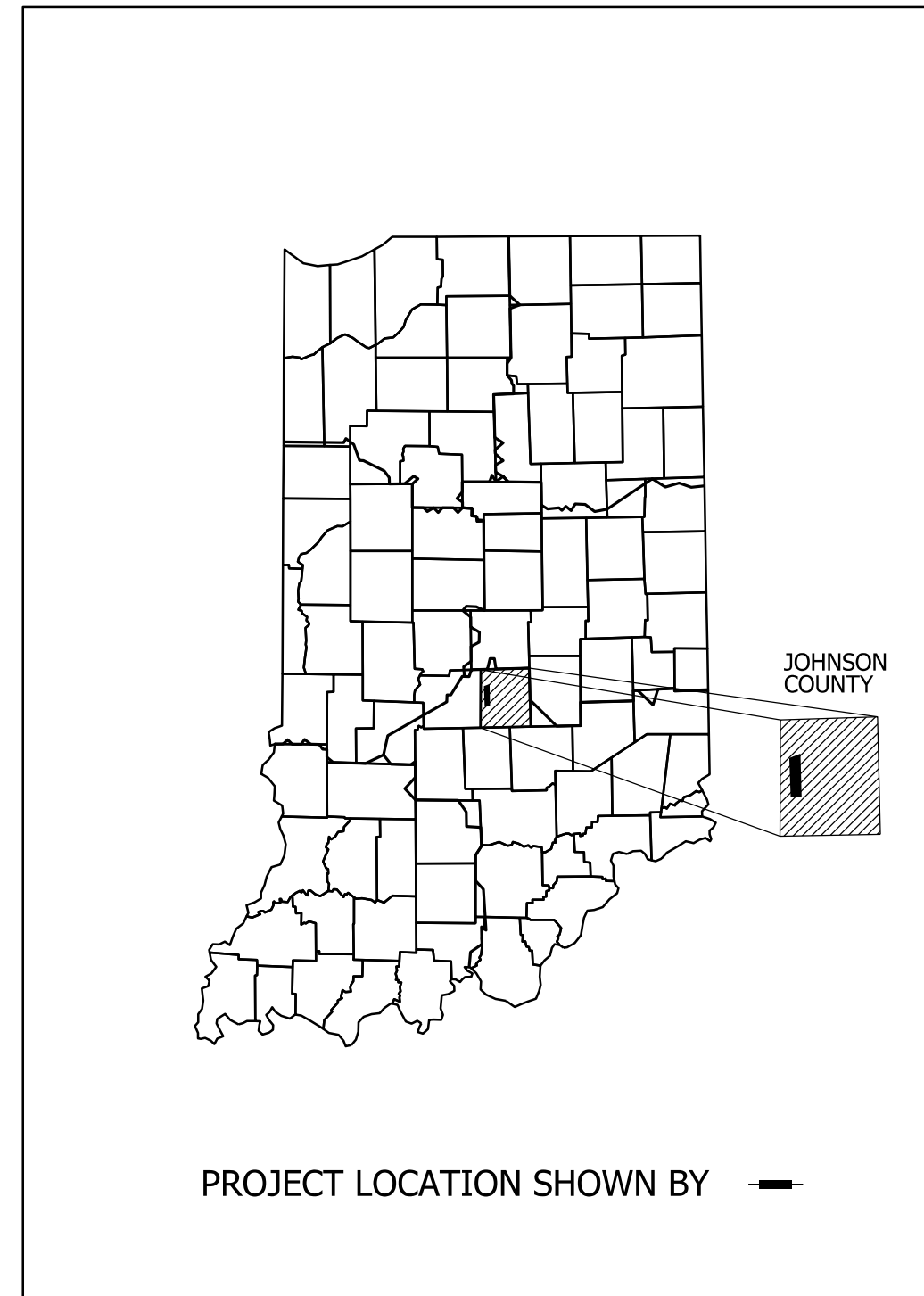


ROAD PLANS S.R. 135 ADDED TRAVEL LANES

ROUTE: S.R. 135 FROM: RP 127+0.78 TO: RP 129+0.86
PROJECT NO. 1800033 P.E.
1800033 R/W
1800033 CONST.

PROJECT DESCRIPTION:
ROAD CONSTRUCTION BEGINNING APPROXIMATELY 1620' SOUTH OF THE INTERSECTION OF S.R. 135 AND WHITELAND, AND PROCEEDING APPROXIMATELY 2.06 MI NORTH ON S.R. 135 TO APPROXIMATELY 1400' SOUTH OF THE INTERSECTION OF S.R. 135 AND STONES CROSSING ROAD IN SECTIONS 13, 14, 23, 24, 25, AND 26, TOWNSHIP 13 NORTH, RANGE 3 EAST, WHITE RIVER TOWNSHIP, JOHNSON COUNTY, INDIANA.

TRAFFIC DATA
See Sheet No. 2
DESIGN DATA
See Sheet No. 2



LATITUDE: N 39°33'47" LONGITUDE: W 86°09'32"

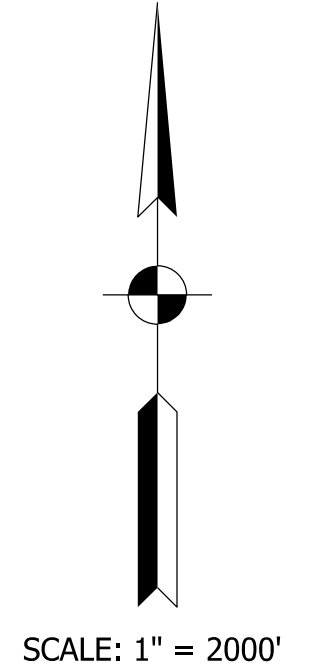
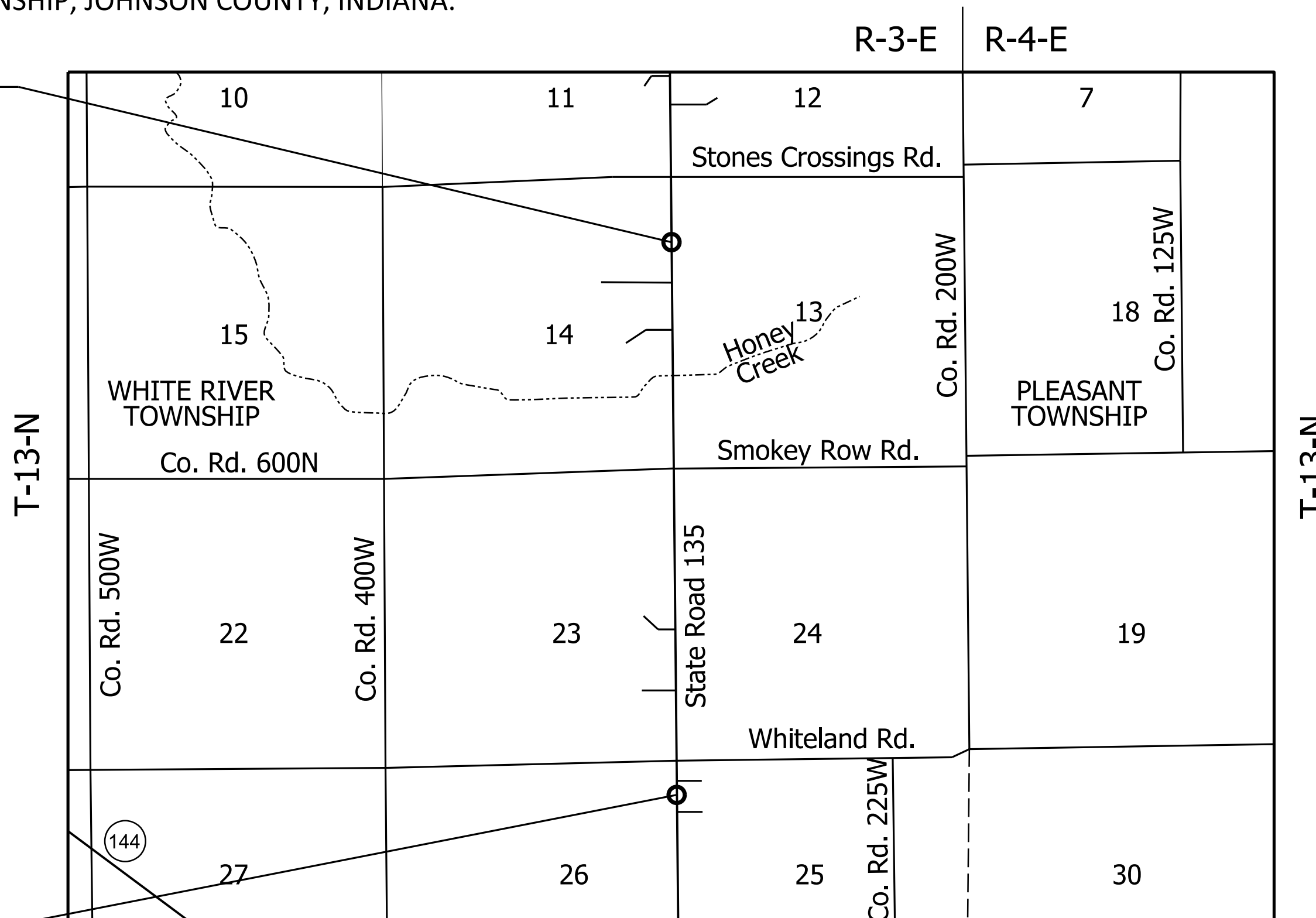
HYDROLOGIC UNIT CODE: 051202011401 & 051202040601

GROSS LENGTH:	2.06 MI.
NET LENGTH:	2.06 MI.
MAX. GRADE:	3.76 %
S.R. 135	

GROSS LENGTH:	0.18 MI.
NET LENGTH:	0.18 MI.
MAX. GRADE:	0.91 %
Whiteland Road	

GROSS LENGTH:	0.20 MI.
NET LENGTH:	0.20 MI.
MAX. GRADE:	1.10 %
Smokey Row Road / C.R. 600N	

END PROJECT
PROJECT NO. 1800033
STA. 809+00.00
LINE "A"



BEGIN PROJECT
PROJECT NO. 1800033
STA. 700+00.00
LINE "A"

LOCATION MAP
WHITE RIVER TOWNSHIP
JOHNSON COUNTY

STAGE 2 PLANS
JUNE 7, 2023

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2022
TO BE USED WITH THESE PLANS

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HNTB
HNTB CORPORATION
THE HNTB COMPANIES
INFRASTRUCTURE SOLUTIONS
111 MONUMENT CIRCLE
SUITE 1200
INDIANAPOLIS, IN 46204

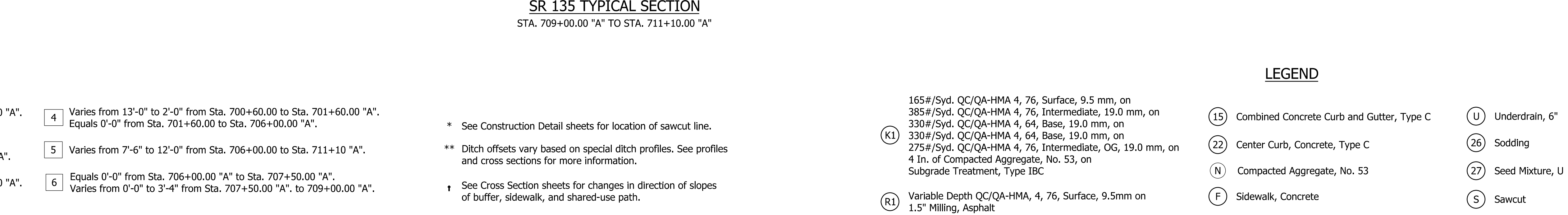
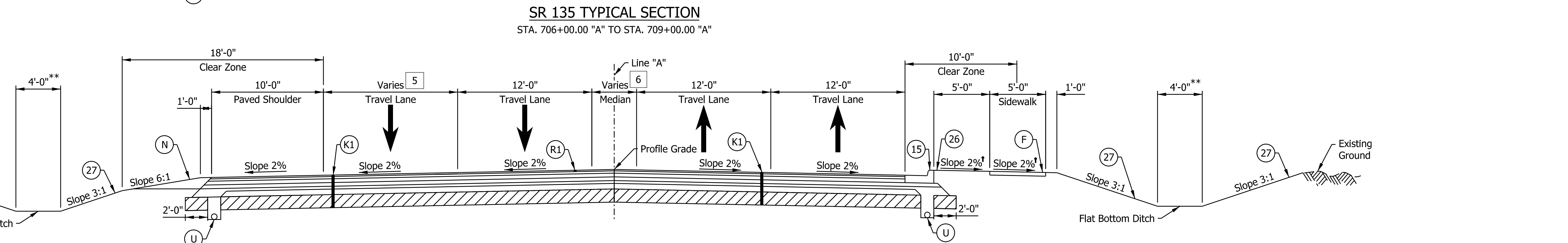
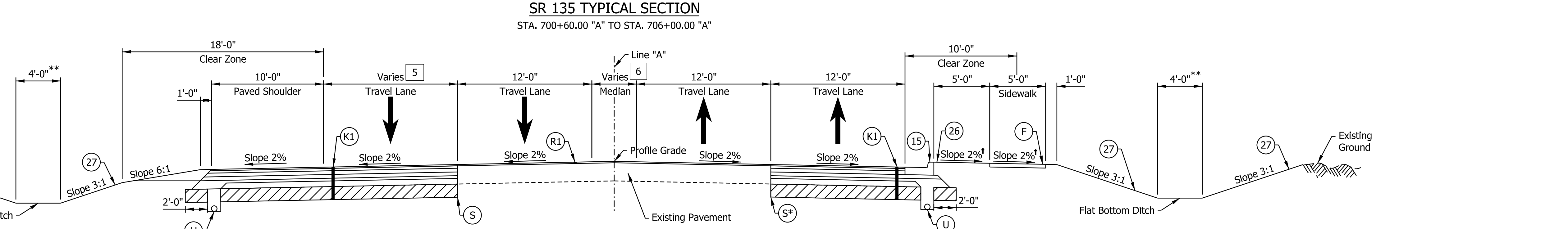
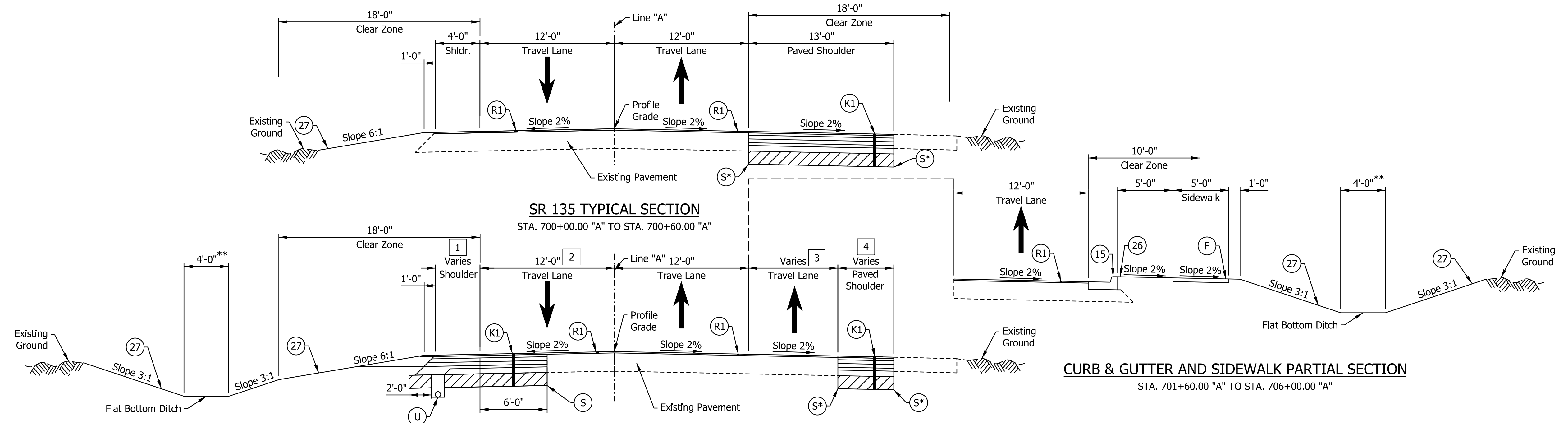
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NOT FOR CONSTRUCTION

PLANS PREPARED BY:	HNTB INDIANA, INC	PHONE NUMBER	
CERTIFIED BY:		DATE	
APPROVED FOR LETTING:		DATE	
INDIANA DEPARTMENT OF TRANSPORTATION			

BRIDGE FILE	
N/A	
DESIGNATION	
1800033	
SURVEY BOOK	SHEETS
ELECTRONIC	1 of 264
CONTRACT	PROJECT
R-42600	1800033

NOTE TO REVIEWER
 Pavement design will be completed for a future submittal. It is likely this project will have an alternate bid pavement design. These details will be provided when they are known.

NOTE TO REVIEWER
 Ditch widths will vary at detention locations. These widths are preliminary and will be detailed at future submittal following hydraulic approval.



- 1 Varies from 4'-0" to 10'-0" from Sta. 700+60.00 "A" to Sta. 701+50.00 "A". Equals 10'-0" from Sta. 701+50.00 "A" to Sta. 706+00.00 "A".
- 2 Equals 12'-0" from Sta. 700+60.00 "A" to Sta. 702+63.70 "A". Varies from 12'-0" to 19'-6" from Sta. 702+63.70 "A", to 706+00.00 "A".
- 3 Varies from 0'-0" to 12'-0" from Sta. 700+60.00 "A" to Sta. 701+60.00 "A".
- 4 Varies from 13'-0" to 2'-0" from Sta. 700+60.00 to Sta. 701+60.00 "A". Equals 0'-0" from Sta. 701+60.00 to Sta. 706+00.00 "A".
- 5 Varies from 7'-6" to 12'-0" from Sta. 706+00.00 to Sta. 711+10 "A".
- 6 Equals 0'-0" from Sta. 706+00.00 "A" to Sta. 707+50.00 "A". Varies from 0'-0" to 3'-4" from Sta. 707+50.00 "A", to 709+00.00 "A".

* See Construction Detail sheets for location of sawcut line.
 ** Ditch offsets vary based on special ditch profiles. See profiles and cross sections for more information.
 † See Cross Section sheets for changes in direction of slopes of buffer, sidewalk, and shared-use path.

- 165#/Syd. QC/QA-HMA 4, 76, Surface, 9.5 mm, on 385#/Syd. QC/QA-HMA 4, 76, Intermediate, 19.0 mm, on 330#/Syd. QC/QA-HMA 4, 64, Base, 19.0 mm, on 330#/Syd. QC/QA-HMA 4, 64, Base, 19.0 mm, on 275#/Syd. QC/QA-HMA 4, 76, Intermediate, OG, 19.0 mm, on 4 in. of Compacted Aggregate, No. 53, on Subgrade Treatment, Type IBC
- (15) Combined Concrete Curb and Gutter, Type C
 - (22) Center Curb, Concrete, Type C
 - (N) Compacted Aggregate, No. 53
 - (F) Sidewalk, Concrete
 - (U) Underdrain, 6"
 - (26) Sodding
 - (27) Seed Mixture, U
 - (S) Sawcut

LEGEND

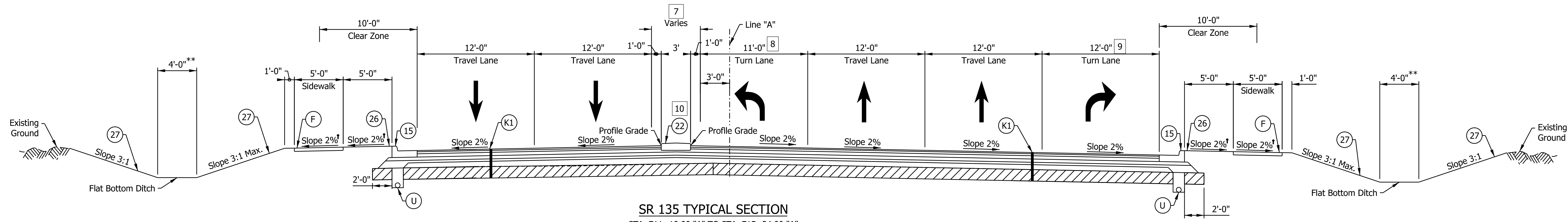
DRAFT
 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: AJP	DRAWN: JSB	
CHECKED: CFS	CHECKED: CFS	

INDIANA
 DEPARTMENT OF TRANSPORTATION
 ROADWAY TYPICAL CROSS SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
3/16"=1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1800033
SURVEY BOOK	SHEETS
ELECTRONIC	3 of 264
CONTRACT	PROJECT
R-42600	1800033

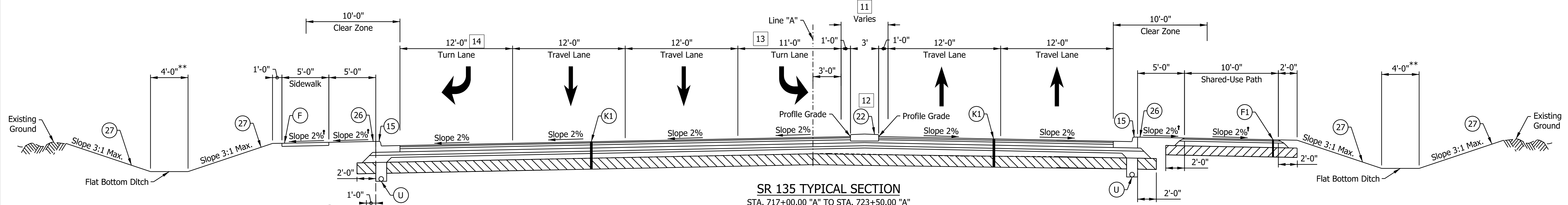
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SR 135 TYPICAL SECTION

STA. 711+10.00 "A" TO STA. 715+34.00 "A"
 STA. 765+66.76 "A" TO STA. 769+00.00 "A"

Refer to Intersection Details and Construction Details
 STA. 715+34.00 "A" TO STA. 717+00.00 "A"
 STA. 769+00.00 "A" TO STA. 770+84.47 "A"



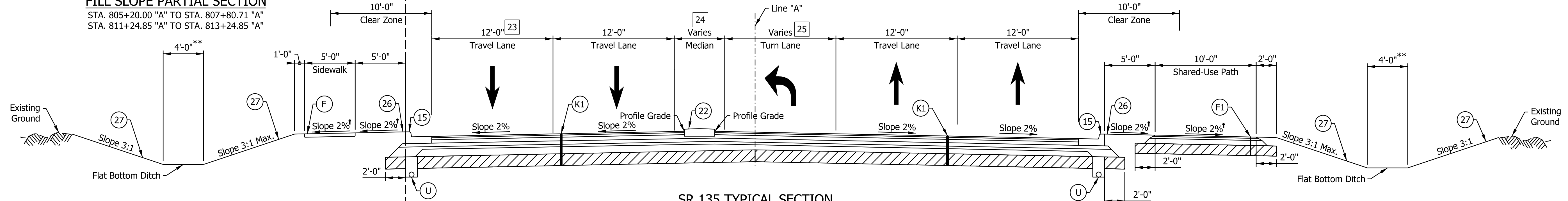
SR 135 TYPICAL SECTION

STA. 717+00.00 "A" TO STA. 723+50.00 "A"
 STA. 740+53.29 "A" TO STA. 743+16.00 "A"
 STA. 770+84.47 "A" TO STA. 775+14.77 "A"
 STA. 805+20.00 "A" TO STA. 807+80.71 "A"

Refer to Intersection Details and Construction Details
 STA. 715+34.00 "A" TO STA. 717+00.00 "A"
 STA. 739+63.29 "A" TO STA. 740+53.29 "A"
 STA. 769+00.00 "A" TO STA. 770+84.47 "A"

FILL SLOPE PARTIAL SECTION

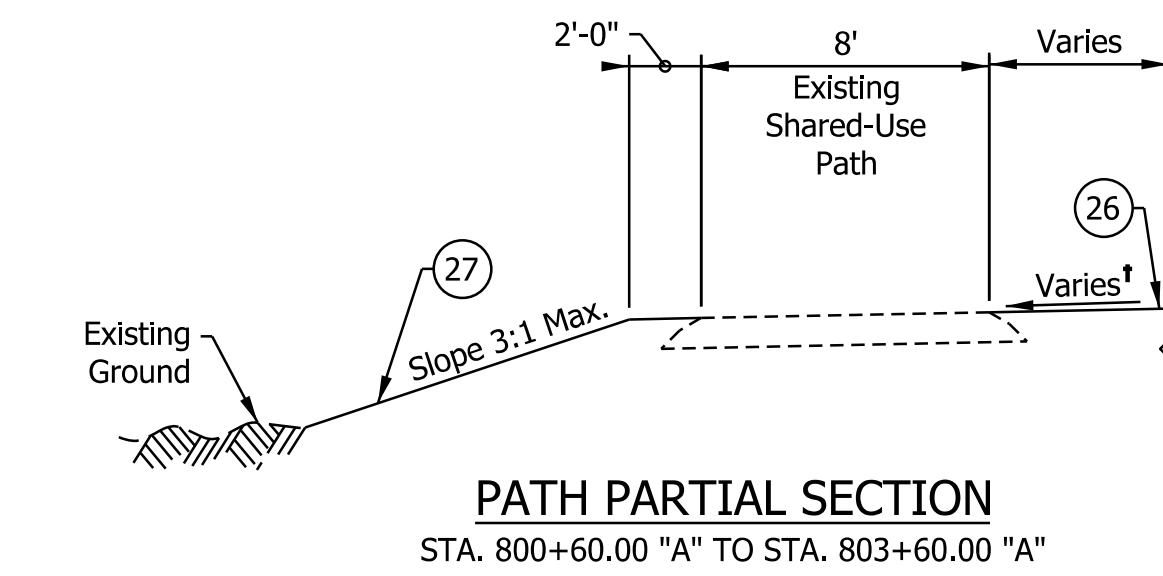
STA. 805+20.00 "A" TO STA. 807+80.71 "A"
 STA. 811+24.85 "A" TO STA. 813+24.85 "A"



SR 135 TYPICAL SECTION

STA. 723+50.00 "A" TO STA. 724+62.64 "A"
 STA. 726+50.00 "A" TO STA. 729+10.86 "A"
 STA. 737+63.29 "A" TO STA. 739+63.29 "A"
 STA. 750+18.00 "A" TO STA. 752+18.00 "A"
 STA. 792+16.71 "A" TO STA. 795+20.00 "A"
 STA. 800+60.00 "A" TO STA. 803+60.00 "A"
 STA. 811+24.85 "A" TO STA. 813+24.85 "A"

Refer to Intersection Details and Construction Details
 STA. 724+62.64 "A" TO STA. 725+33.80 "A"
 STA. 739+63.29 "A" TO STA. 740+53.29 "A"
 STA. 752+18.00 "A" TO STA. 752+82.00 "A"
 STA. 803+60.00 "A" TO STA. 804+80.71 "A"



PATH PARTIAL SECTION

STA. 800+60.00 "A" TO STA. 803+60.00 "A"

** Ditch offsets vary based on special ditch profiles. See profiles and cross sections for more information.

Note: See dimension callouts on next sheet.

LEGEND

- (15) Combined Concrete Curb and Gutter, Type C
- (22) Center Curb, Concrete, Type C
- (K1) 165#/Syd. QC/QA-HMA 4, 76, Surface, 9.5 mm, on 385#/Syd. QC/QA-HMA 4, 76, Intermediate, 19.0 mm, on 330#/Syd. QC/QA-HMA 4, 64, Base, 19.0 mm, on 275#/Syd. QC/QA-HMA 4, 76, Intermediate, OG, 19.0 mm, on 4 in. of Compacted Aggregate, No. 53, on Subgrade Treatment, Type IBC
- (R1) Variable Depth QC/QA-HMA, 4, 76, Surface, 9.5mm on 1.5" Milling, Asphalt
- (F) Sidewalk, Concrete
- (U) Underdrain, 6"
- (26) Sodding
- (F1) HMA for Sidewalk, consisting of: 165#/Syd. HMA Surface, Type B, on 220#/Syd. HMA Intermediate, Type B, on 6 in. Compacted Aggregate, No. 53, on Subgrade Treatment Type III
- (27) Seed Mixture, U

See Cross Section sheets for changes in direction of slopes of buffer, sidewalk, and shared-use path.

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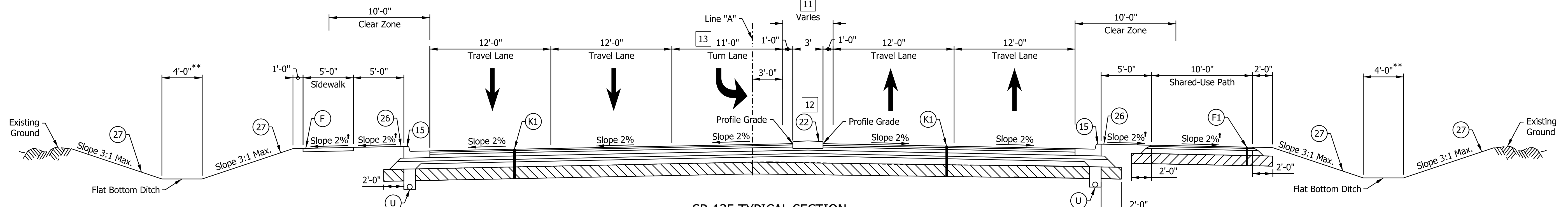
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: AJP	DRAWN: JSB	
CHECKED: CFS	CHECKED: CFS	

INDIANA
 DEPARTMENT OF TRANSPORTATION

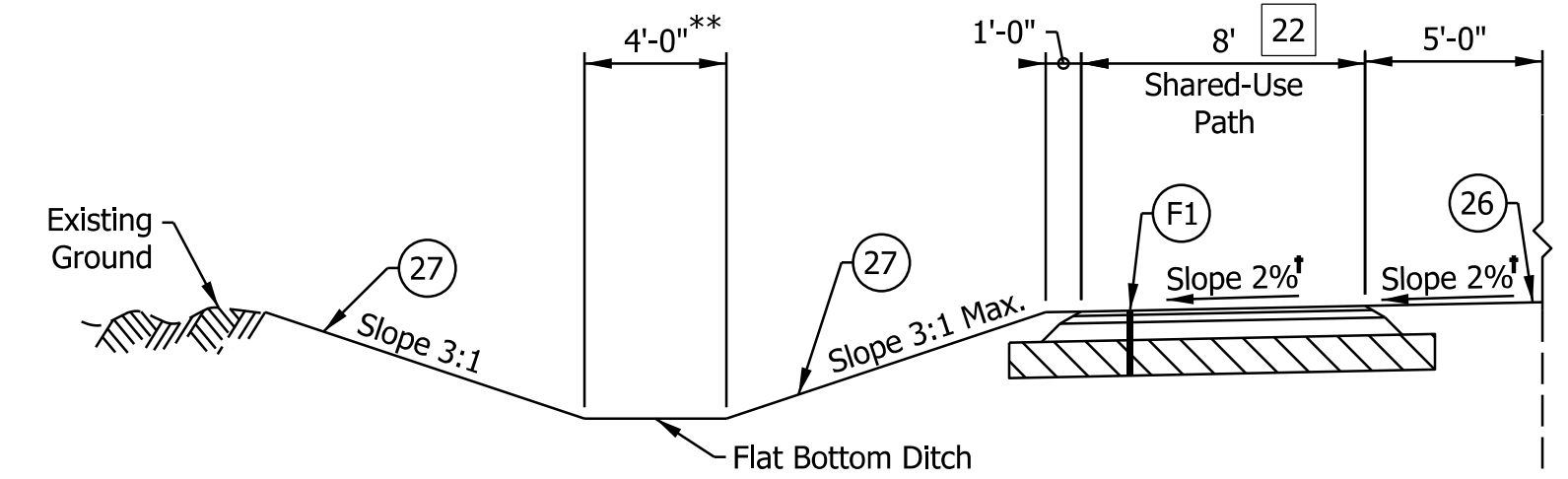
ROADWAY TYPICAL CROSS SECTIONS

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3/16"=1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1800033
SURVEY BOOK	SHEETS
ELECTRONIC	4 of 264
CONTRACT	PROJECT
R-42600	1800033

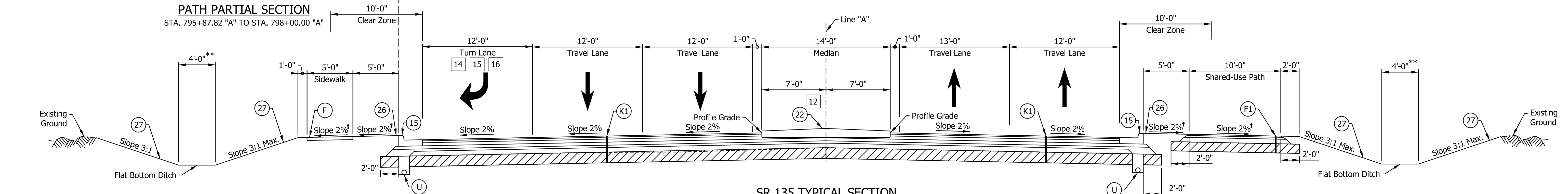
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SR 135 TYPICAL SECTION
 STA. 725+33.80 "A" TO STA. 726+50.00 "A"
 STA. 752+82.00 "A" TO STA. 755+00.00 "A"
 STA. 789+52.07 "A" TO STA. 792+16.71 "A"



PATH PARTIAL SECTION
 STA. 795+87.82 "A" TO STA. 798+00.00 "A"



SR 135 TYPICAL SECTION
 STA. 729+10.86 "A" TO STA. 732+44.93 "A"
 STA. 795+20.00 "A" TO STA. 798+00.00 "A"

- 7 Varies from 10'-8" to 5'-0" from Sta. 711+10.00 "A" to Sta. 711+64.00 "A".
Equals 5'-0" from Sta. 711+64.00 "A" to Sta. 715+34.00 "A".
- 8 Varies from 4'-0" to 11'-0" from Sta. 711+10.00 "A" to Sta. 711+64.00 "A".
Equals 11'-0" from Sta. 711+64.00 "A" to Sta. 715+34.00 "A".
- 9 Equals 0'-0" from Sta. 711+10.00 "A" to Sta. 713+20.00 "A"
Varies from 0'-0" to 11'-0" from Sta. 713+20.00 "A" to Sta. 713+70.00 "A"
Varies from 11'-0" to 16'-8" from Sta. 713+70.00 "A" to Sta. 715+34.00 "A"
- 10 Paved median from Sta. 711+10.00 "A" to 711+64.00 "A"
Center curb begins at Sta. 711+64.00 "A" and ends at 715+34.00 "A"
- 11 Equals 5'-0" from Sta. 717+00.00 "A" to Sta. 723+50.00 "A".
Equals 5'-0" from Sta. 770+65.57 "A" to Sta. 774+14.77 "A".
Varies from 5'-0" to 16'-0" from Sta. 774+14.77 "A" to Sta. 775+14.77 "A".
- 12 Paved median from Sta. 770+65.57 "A" to Sta. 770+84.77 "A"
Center curb begins at Sta. 770+84.77 "A" and ends at 774+14.77 "A".
Paved median from Sta. 774+14.77 "A" to Sta. 775+14.77 "A"
- 13 Equals 11'-0" from Sta. 725+33.80 "A" to 726+00 "A"
Varies from 11'-0" to 0'-0" from Sta. 726+00 "A" to Sta. 726+50.00 "A"
Equals 11'-0" from Sta. 770+65.57 "A" to Sta. 774+14.77 "A".
Varies from 11'-0" to 0'-0" from Sta. 774+14.77 "A" to Sta. 775+14.77 "A".
- 14 Varies from 17'-4" to 12'-0" from Sta. 717+00.00 "A" to Sta. 718+61.27 "A"
Equals 12'-0" from Sta. 718+61.27 "A" to Sta. 722+08.36 "A"
Varies from 12'-0" to 0'-0" from Sta. 722+08.36 "A" to Sta. 723+08.36 "A"
Equals 0'-0" from Sta. 723+08.36 "A" to Sta. 723+50.00 "A"
- 15 Varies from 0'-0" to 12'-0" from Sta. 726+95.88 "A" to Sta. 728+72.24 "A"
Equals 12'-0" from Sta. 728+72.24 "A" to Sta. 731+44.93 "A"
Varies from 12'-0" to 0'-0" from Sta. 731+44.93 "A" to Sta. 732+44.93 "A"
- 16 Varies from 0'-0" to 12'-0" from Sta. 737+48.29 "A" to Sta. 739+23.29 "A"
Equals 12'-0" from Sta. 739+23.29 "A" to Sta. 742+16.00 "A"
Varies from 12'-0" to 0'-0" from Sta. 742+16.00 "A" to Sta. 743+16.00 "A"
- 17 Varies from 0'-0" to 12'-0" from Sta. 758+63.50 "A" to Sta. 759+63.50 "A"
Equals 12'-0" from Sta. 759+63.50 "A" to Sta. 767+64.36 "A"
Varies from 12'-0" to 16'-5" from Sta. 767+64.36 "A" to Sta. 768+96.95 "A"
- 18 Varies from 16'-0" to 5'-0" from Sta. 765+75.00 "A" to Sta. 766+75.00 "A"
Equals 5'-0" from Sta. 766+75.00 "A" to Sta. 768+96.95 "A"
- 19 Varies from 0'-0" to 11'-0" from Sta. 765+75.00 "A" to Sta. 766+75.00 "A"
Equals 11'-0" from Sta. 766+75.00 "A" to Sta. 768+96.95 "A"
- 23 Equals 12'-0" from Sta. 723+50.00 "A" to Sta. 724+36.55 "A"
Varies from 12'-0" to 21'-8" from Sta. 724+36.55 "A" to Sta. 724+62.64 "A"
- 25 Varies from 0'-0" to 11'-0" from Sta. 723+50.00 "A" to Sta. 724+00.00 "A"
Equals 11'-0" from Sta. 724+00.00 "A" to 724+62.64 "A"

† See Cross Section sheets for changes in direction of slopes of buffer, sidewalk, and shared-use path.

LEGEND

- (15) Combined Concrete Curb and Gutter, Type C
- (22) Center Curb, Concrete, Type C
- (F) Sidewalk, Concrete
- (U) Underdrain, 6"
- (26) Sodding
- (27) Seed Mixture, U
- (R1) Variable Depth QC/QA-HMA, 4, 76, Surface, 9.5mm on 1.5" Milling, Asphalt
- (F1) HMA for Sidewalk, consisting of: 165#/Syd. HMA Surface, Type B, on 220#/Syd. HMA Intermediate, Type B, on 6 In. Compacted Aggregate, No. 53, on Subgrade Treatment Type III

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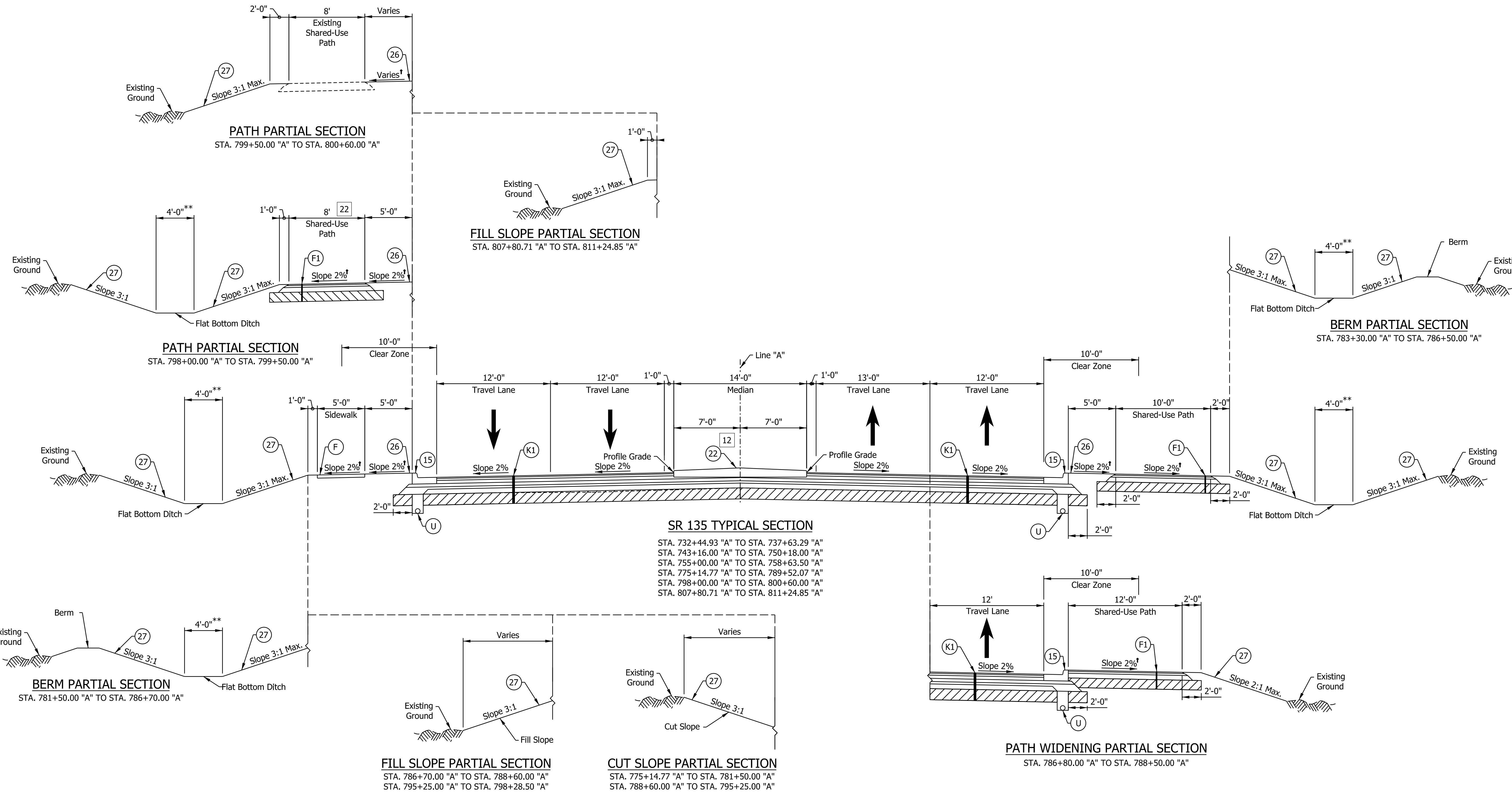
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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ AJP _____	DRAWN: _____ JSB _____	
CHECKED: _____ CFS _____	CHECKED: _____ CFS _____	

INDIANA DEPARTMENT OF TRANSPORTATION

ROADWAY TYPICAL CROSS SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
3/16"=1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1800033
SURVEY BOOK	SHEETS
ELECTRONIC	5 of 264
CONTRACT	PROJECT
R-42600	1800033



- 20 Varies from 5'-0" to 2'-0" from Sta. 786+49.50 "A" to Sta. 786+80.00 "A"
 Equals 0'-0" from Sta. 786+80.00 "A" to Sta. 788+50.00 "A"
 Varies from 2'-0" to 5'-0" from Sta. 788+50.00 "A" to Sta. 788+90.37 "A"
- 21 Varies from 0'-0" to 12'-0" from Sta. 792+89.00 "A" to Sta. 794+64.00 "A"
 Equals 12'-0" from Sta. 794+64.00 "A" to Sta. 797+00.00 "A"
 Varies from 12'-0" to 0'-0" from Sta. 797+00.00 "A" to Sta. 798+00.00 "A"
- 22 Proposed Shared-Use Path matches into existing path at Sta. 799+50.00

** Ditch offsets vary based on special ditch profiles. See profiles and cross sections for more information.
 See Cross Section sheets for changes in slopes, sidewalk, shared-use path, and ditches.

- (K1) 165#/Syd. QC/QA-HMA 4, 76, Surface, 9.5 mm, on 385#/Syd. QC/QA-HMA 4, 76, Intermediate, 19.0 mm, on 330#/Syd. QC/QA-HMA 4, 64, Base, 19.0 mm, on 275#/Syd. QC/QA-HMA 4, 76, Intermediate, OG, 19.0 mm, on 4 in. of Compacted Aggregate, No. 53, on Subgrade Treatment, Type IBC
- (R1) Variable Depth QC/QA-HMA, 4, 76, Surface, 9.5mm on 1.5" Milling, Asphalt

- LEGEND**
- (15) Combined Concrete Curb and Gutter, Type C
 - (22) Center Curb, Concrete, Type C
 - (F) Sidewalk, Concrete
 - (U) Underdrain, 6"
 - (26) Sodding
 - (27) Seed Mixture, U
- HMA for Sidewalk, consisting of:
 165#/Syd. HMA Surface, Type B, on 220#/Syd. HMA Intermediate, Type B, on 6 in. Compacted Aggregate, No. 53, on Subgrade Treatment Type III

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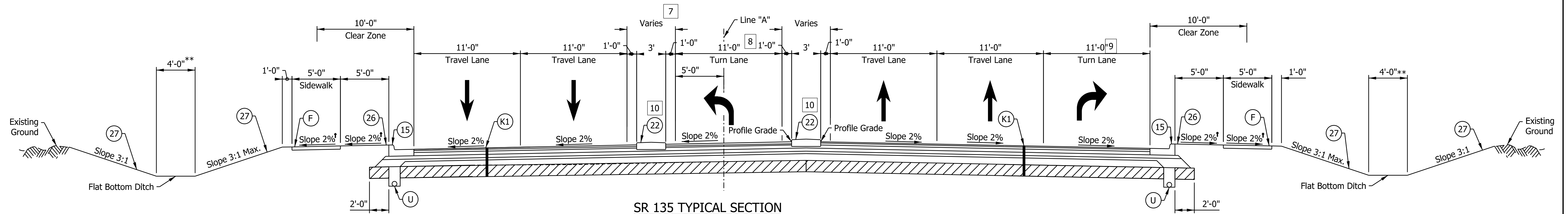
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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ AJP _____	DRAWN: _____ JSB _____	
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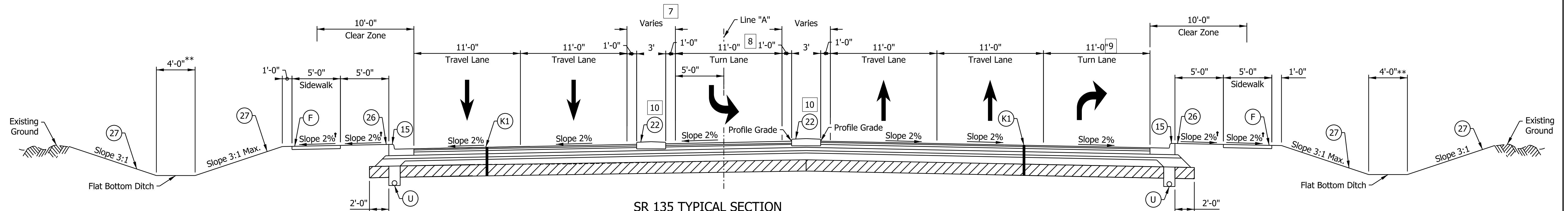
INDIANA
DEPARTMENT OF TRANSPORTATION

ROADWAY TYPICAL CROSS SECTIONS

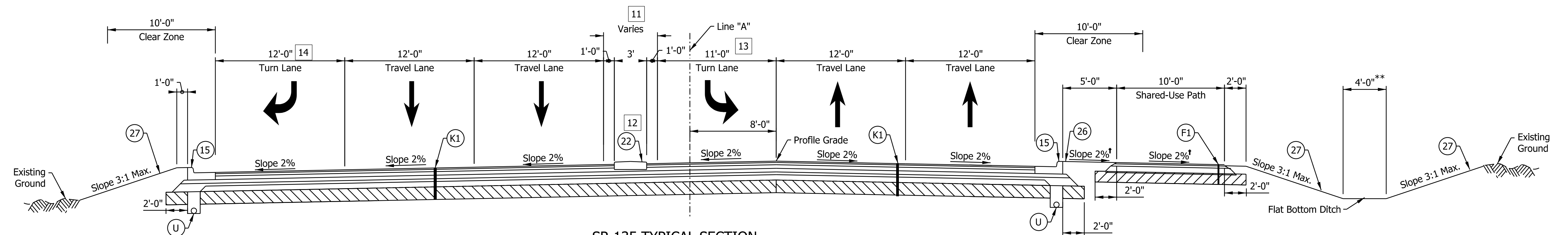
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3/16"=1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1800033
SURVEY BOOK	SHEETS
ELECTRONIC	6 of 264
CONTRACT	PROJECT
R-42600	1800033



SR 135 TYPICAL SECTION
STA. 758+63.50 "A" TO STA. 763+66.76 "A"



SR 135 TYPICAL SECTION
STA. 763+66.76 "A" TO STA. 765+66.76 "A"



SR 135 TYPICAL SECTION
STA. 804+80.71 "A" TO STA. 805+20.00 "A"

Refer to Intersection Details and Construction Details
STA. 803+60.00 "A" TO STA. 804+80.71 "A"

- 23 Equals 12'-0" from Sta. 801+55.00 "A" to Sta. 801+76.39 "A".
Varies from 12'-0" to 24'-0" from Sta. 801+76.39 "A" to Sta. 803+52.42 "A".
Equals 24'-0" from Sta. 803+52.42 "A" to Sta. 804+15.00 "A".
- 24 Varies from 16'-0" to 0'-0" from Sta. 801+55.00 "A" to Sta. 802+55.00 "A".
Equals 0'-0" from Sta. 802+55.00 "A" to Sta. 804+15.00 "A".
- 25 Varies from 0'-0" to 16'-0" from Sta. 801+55.00 "A" to Sta. 802+55.00 "A".
Equals 16'-0" from Sta. 802+55.00 "A" to Sta. 804+15.00 "A".

** Ditch offsets vary based on special ditch profiles. See profiles and cross sections for more information.
See Cross Section sheets for changes in direction of slopes of buffer, sidewalk, and shared-use path.

- (K1) 165#/Syd. QC/QA-HMA 4, 76, Surface, 9.5 mm, on 385#/Syd. QC/QA-HMA 4, 76, Intermediate, 19.0 mm, on 330#/Syd. QC/QA-HMA 4, 64, Base, 19.0 mm, on 275#/Syd. QC/QA-HMA 4, 76, Intermediate, OG, 19.0 mm, on 4 in. of Compacted Aggregate, No. 53, on Subgrade Treatment, Type IBC
- (R1) Variable Depth QC/QA-HMA, 4, 76, Surface, 9.5mm on 1.5" Milling, Asphalt

LEGEND

- (15) Combined Concrete Curb and Gutter, Type C
 - (22) Center Curb, Concrete, Type C
 - (F) Sidewalk, Concrete
 - (U) Underdrain, 6"
 - (26) Sodding
 - (27) Seed Mixture, U
- HMA for Sidewalk, consisting of:
165#/Syd. HMA Surface, Type B, on 220#/Syd. HMA Intermediate, Type B, on 6 in. Compacted Aggregate, No. 53, on Subgrade Treatment Type III

jsburton
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 file: \$FILES

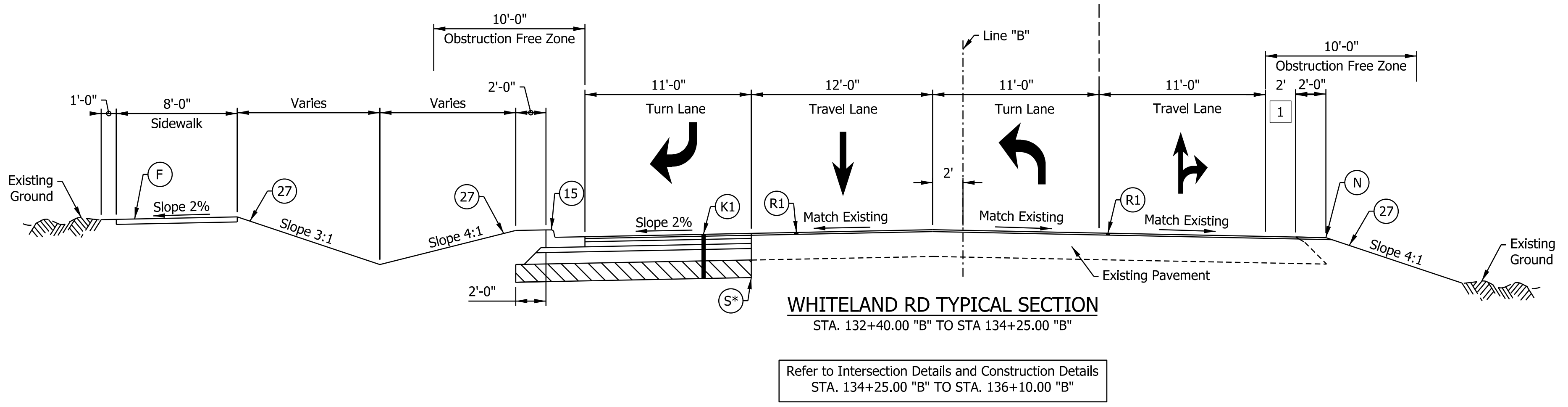
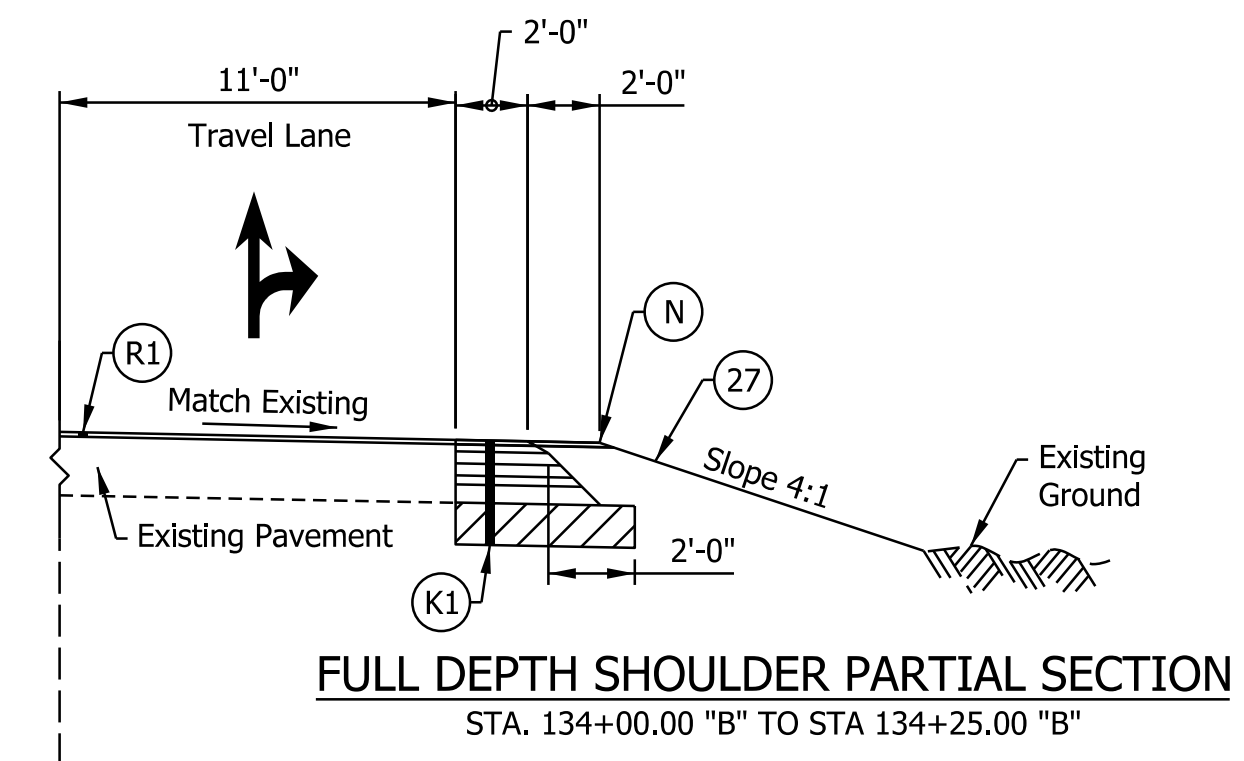
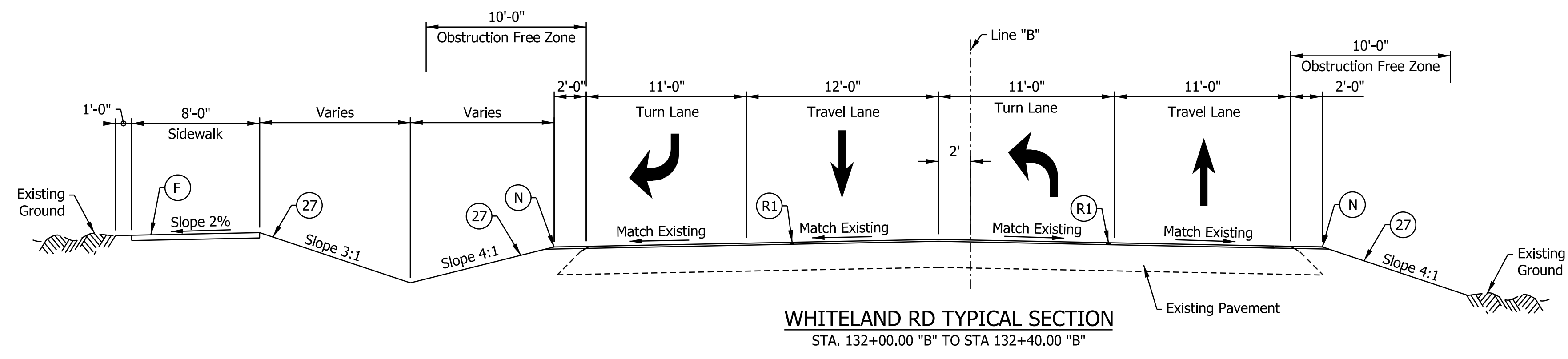
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 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: AJP	DRAWN: JSB	
CHECKED: CFS	CHECKED: CFS	

INDIANA
DEPARTMENT OF TRANSPORTATION

ROADWAY TYPICAL CROSS SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
3/16"=1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1800033
SURVEY BOOK	SHEETS TS-05
ELECTRONIC	7 of 264
CONTRACT	PROJECT
R-42600	1800033



Refer to Intersection Details and Construction Details
STA. 134+25.00 "B" TO STA. 136+10.00 "B"

1 Varies from 0'-0" to 2'-0" from Sta. 132+40.00 "B" to Sta. 134+00.00 "B".

* See Construction Detail sheets for location of sawcut line.

LEGEND

- (K1) 165#/Syd. QC/QA-HMA 4, 76, Surface, 9.5 mm, on 385#/Syd. QC/QA-HMA 4, 76, Intermediate, 19.0 mm, on 330#/Syd. QC/QA-HMA 4, 64, Base, 19.0 mm, on 275#/Syd. QC/QA-HMA 4, 76, Intermediate, OG, 19.0 mm, on 4 in. of Compacted Aggregate, No. 53, on Subgrade Treatment, Type IBC
- (K2) 165#/Syd. QC/QA-HMA, 4, 76, Surface, 9.5mm on 1.5" Milling, Asphalt
- (15) Combined Concrete Curb and Gutter, Type C
- (22) Center Curb, Concrete, Type C
- (N) Compacted Aggregate, No. 53
- (F) Sidewalk, Concrete
- (27) Seed Mixture, U
- (S) Sawcut

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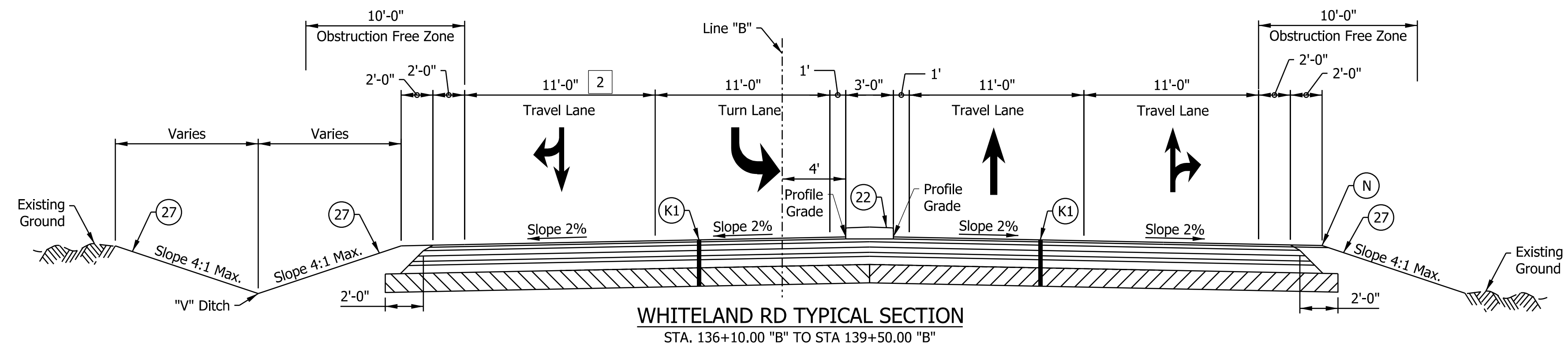
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 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ AJP _____	DRAWN: _____ JSB _____	
CHECKED: _____ CFS _____	CHECKED: _____ CFS _____	

INDIANA
DEPARTMENT OF TRANSPORTATION

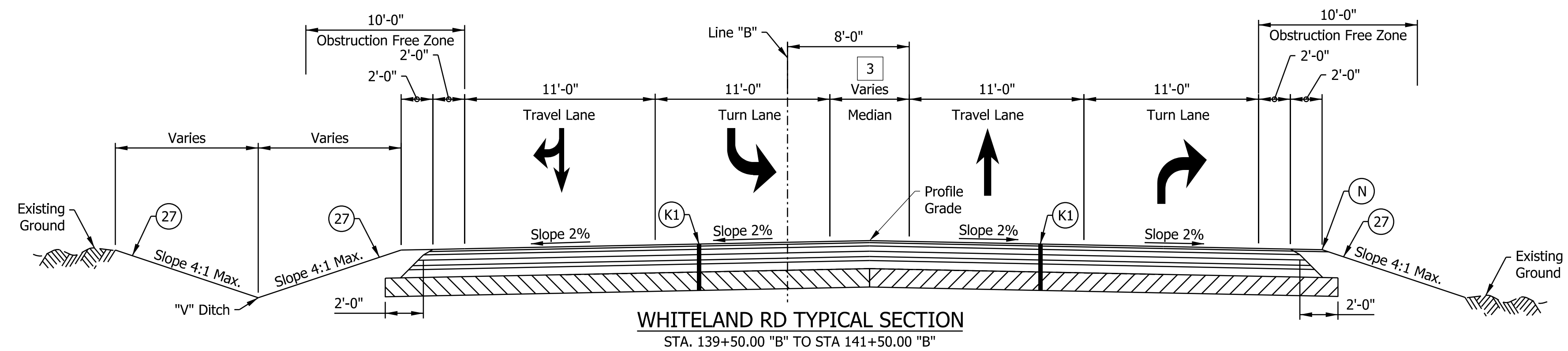
ROADWAY TYPICAL CROSS SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
3/16"=1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1800033
SURVEY BOOK	SHEETS
ELECTRONIC	9 of 264
CONTRACT	PROJECT
R-42600	1800033



WHITELAND RD TYPICAL SECTION
STA. 136+10.00 "B" TO STA 139+50.00 "B"

Refer to Intersection Details and Construction Details
STA. 134+25.00 "B" TO STA. 136+10.00 "B"



WHITELAND RD TYPICAL SECTION
STA. 139+50.00 "B" TO STA 141+50.00 "B"

LEGEND

- 2 Varies from 21'-5" to 11'-0" from Sta. 136+10.00 "B" to Sta. 137+79.97 "B". Equals 11'-0" from Sta. 137+79.97 "B" to Sta. 139+50.00 "B".
- 3 Varies from 5'-0" to 0'-0" from Sta. 139+50.00 "B" to Sta. 141+50.00 "B".

- (K1) 165#/Syd. QC/QA-HMA 4, 76, Surface, 9.5 mm, on 385#/Syd. QC/QA-HMA 4, 76, Intermediate, 19.0 mm, on 330#/Syd. QC/QA-HMA 4, 64, Base, 19.0 mm, on 275#/Syd. QC/QA-HMA 4, 76, Intermediate, OG, 19.0 mm, on 4 in. of Compacted Aggregate, No. 53, on Subgrade Treatment, Type IBC
- (K2) 165#/Syd. QC/QA-HMA, 4, 76, Surface, 9.5mm on 1.5" Milling, Asphalt
- (15) Combined Concrete Curb and Gutter, Type C
- (22) Center Curb, Concrete, Type C
- (N) Compacted Aggregate, No. 53
- (F) Sidewalk, Concrete
- (27) Seed Mixture, U

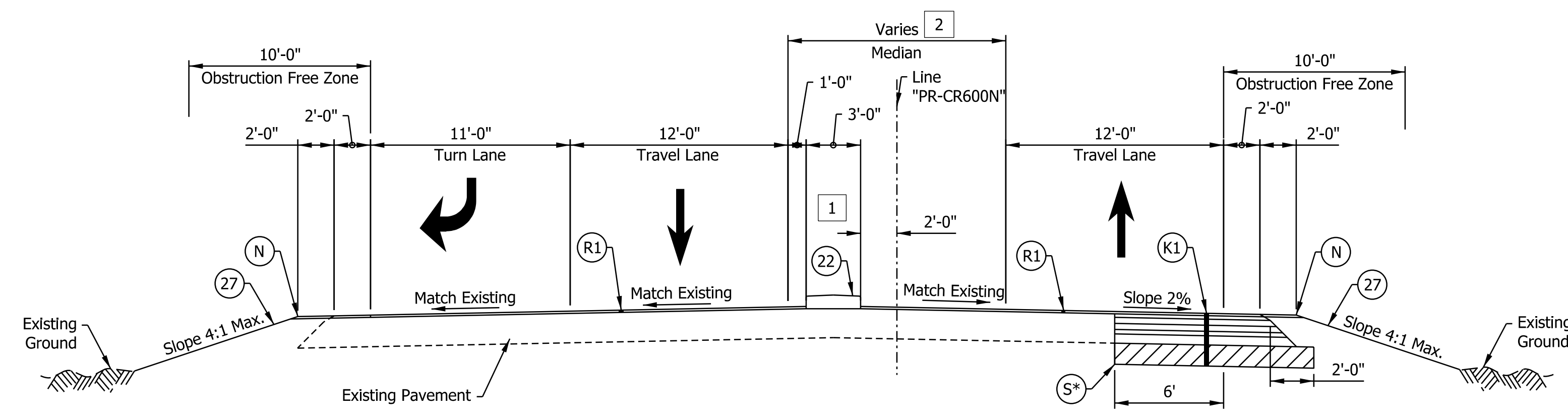
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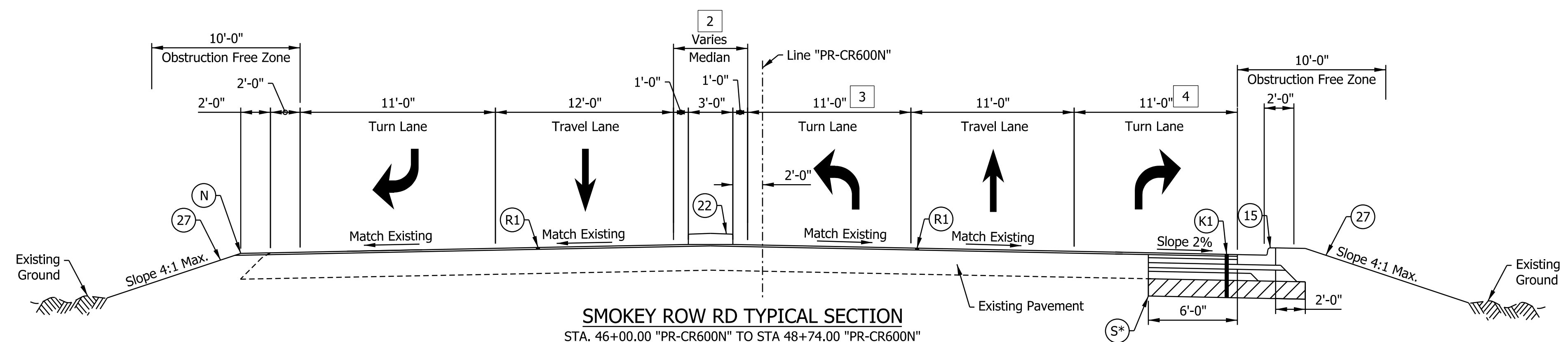
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ AJP _____	DRAWN: _____ JSB _____	
CHECKED: _____ CFS _____	CHECKED: _____ CFS _____	

INDIANA DEPARTMENT OF TRANSPORTATION	
ROADWAY TYPICAL CROSS SECTIONS	

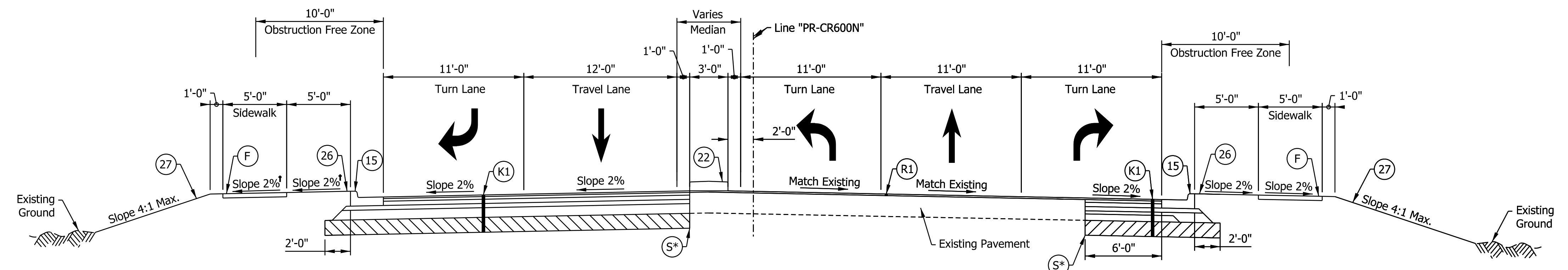
HORIZONTAL SCALE	BRIDGE FILE
3/16"=1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1800033
SURVEY BOOK	SHEETS TS-08
ELECTRONIC	10 of 264
CONTRACT	PROJECT
R-42600	1800033



SMOKEY ROW RD TYPICAL SECTION
STA. 45+00.00 "PR-CR600N" TO STA 46+00.00 "PR-CR600N"



SMOKEY ROW RD TYPICAL SECTION
STA. 46+00.00 "PR-CR600N" TO STA 48+74.00 "PR-CR600N"



SMOKEY ROW RD TYPICAL SECTION
STA. 48+74.00 "PR-CR600N" TO STA 49+08.87 "PR-CR600N"

Refer to Intersection Details and Construction Details
STA. 49+08.87 "PR-CR600N" TO STA. 50+95.00 "PR-CR600N"

- 1 Paved median from Sta. 45+00.00 "PR-CR600N" to Sta. 45+70.00 "PR-CR600N". Center Curb begins at Sta. 45+70.00 "PR-CR600N" and ends at Sta. 49+00.00 "PR-CR600N"
- 2 Varies from 0'-0" to 16'-0" from Sta. 42+40.00 "PR-CR600N" to Sta. 46+60.00 "PR-CR600N". Varies from 16'-0" to 5'-0" from Sta. 46+60.00 "PR-CR600N" to Sta. 47+60.00 "PR-CR600N". Equals 5'-0" from Sta. 47+60.00 "PR-CR600N" to Sta. 48+74.00 "PR-CR600N".
- 3 Varies from 0'-0" to 11'-0" from Sta. 46+60.00 "PR-CR600N" to Sta. 47+60.00 "PR-CR600N". Equals 11'-0" from Sta. 47+60.00 "PR-CR600N" to Sta. 48+74.00 "PR-CR600N".
- 4 Varies from 0'-0" to 11'-0" from Sta. 46+50.00 "PR-CR600N" to Sta. 47+50.00 "PR-CR600N". Equals 11'-0" from Sta. 47+50.00 "PR-CR600N" to Sta. 48+74.00 "PR-CR600N".

* See Construction Detail sheets for location of sawcut line.

- (K1) 165#/Syd. QC/QA-HMA 4, 76, Surface, 9.5 mm, on 385#/Syd. QC/QA-HMA 4, 76, Intermediate, 19.0 mm, on 330#/Syd. QC/QA-HMA 4, 64, Base, 19.0 mm, on 275#/Syd. QC/QA-HMA 4, 76, Intermediate, OG, 19.0 mm, on 4 in. of Compacted Aggregate, No. 53, on Subgrade Treatment, Type IBC
- (K2) 165#/Syd. QC/QA-HMA, 4, 76, Surface, 9.5mm on 1.5" Milling, Asphalt
- (15) Combined Concrete Curb and Gutter, Type C
- (22) Center Curb, Concrete, Type C
- (N) Compacted Aggregate, No. 53
- (27) Seed Mixture, U
- (S) Sawcut

LEGEND

jsburton
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 file: \$FILES

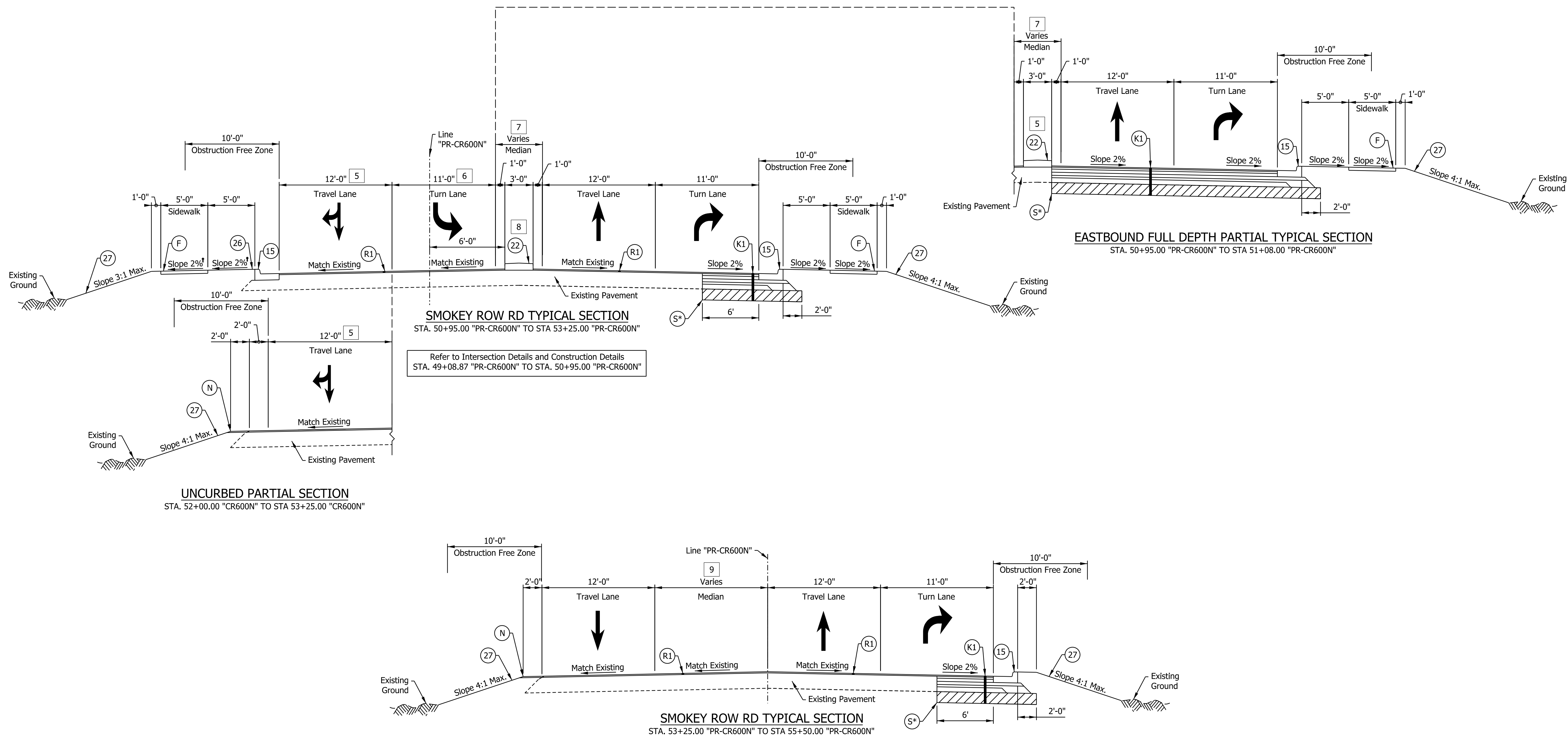
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 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: AJP	DRAWN: JSB	
CHECKED: CFS	CHECKED: CFS	

INDIANA
DEPARTMENT OF TRANSPORTATION

ROADWAY TYPICAL CROSS SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
3/16"=1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1800033
SURVEY BOOK	SHEETS
ELECTRONIC	11 of 264
CONTRACT	PROJECT
R-42600	1800033



- 5 Varies from 14'-3" to 12'-0" from Sta. 50+95.00 "PR-CR600N" to Sta. 51+50.00 "PR-CR600N". Equals 12'-0" from Sta. 51+50.00 "PR-CR600N" to Sta. 55+50.00 "PR-CR600N".
- 6 Equals 11'-0" from Sta. 50+95.00 "PR-CR600N" to Sta. 52+25.00 "PR-CR600N". Varies from 11'-0" to 0'-0" from Sta. 52+25.00 "PR-CR600N" to Sta. 53+25.00 "PR-CR600N".
- 7 Equals 5'-0" from Sta. 50+95.00 "PR-CR600N" to Sta. 52+25.00 "PR-CR600N". Varies from 5'-0" to 12'-0" from Sta. 52+25.00 "PR-CR600N" to Sta. 53+25.00 "PR-CR600N".
- 8 Center Curb begins at Sta. 50+95.00 "PR-CR600N" and ends at Sta. 53+00.00 "PR-CR600N". Paved median from Sta. 53+00.00 "PR-CR600N" to Sta. 53+25.00 "PR-CR600N".
- 9 Varies from 12'-0" to 0'-0" from Sta. 53+25.00 "PR-CR600N" to Sta. 55+91.00 "PR-CR600N".

* See Construction Detail sheets for location of sawcut line.

- 165#/Syd. QC/QA-HMA 4, 76, Surface, 9.5 mm, on 385#/Syd. QC/QA-HMA 4, 76, Intermediate, 19.0 mm, on 330#/Syd. QC/QA-HMA 4, 64, Base, 19.0 mm, on 275#/Syd. QC/QA-HMA 4, 76, Intermediate, OG, 19.0 mm, on 4 in. of Compacted Aggregate, No. 53, on Subgrade Treatment, Type IBC
- 165#/Syd. QC/QA-HMA 4, 76, Surface, 9.5mm on 1.5" Milling, Asphalt

- LEGEND**
- 15 Combined Concrete Curb and Gutter, Type C
 - 22 Center Curb, Concrete, Type C
 - N Compacted Aggregate, No. 53
 - 27 Seed Mixture, U
 - F Sidewalk, Concrete
 - S Sawcut

jsburton
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 file: \$FILES

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 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: AJP	DRAWN: JSB	
CHECKED: CFS	CHECKED: CFS	

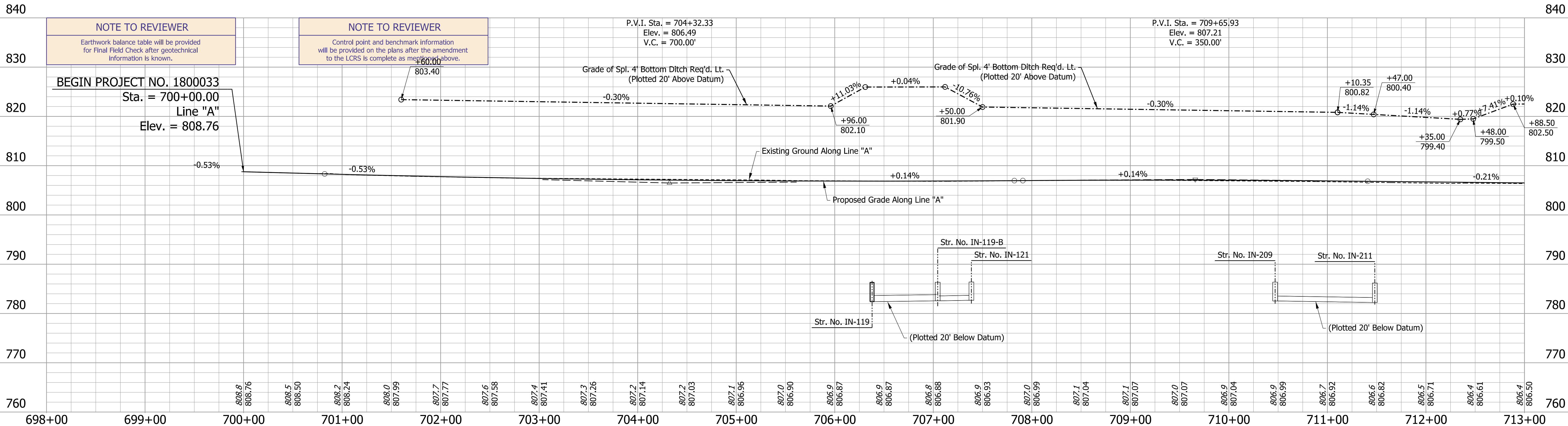
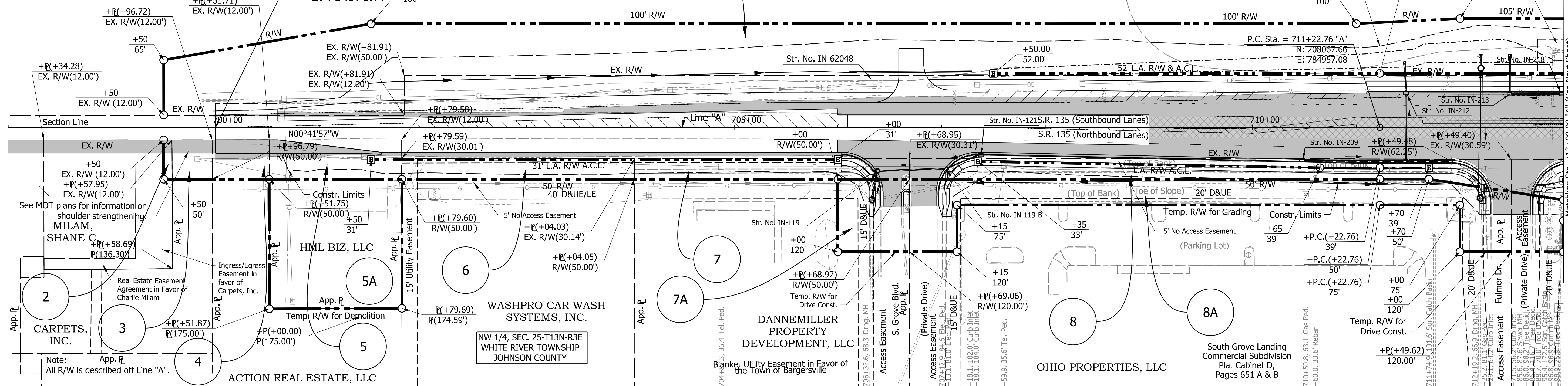
INDIANA
DEPARTMENT OF TRANSPORTATION

ROADWAY TYPICAL CROSS SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
3/16"=1'-0"	N/A
VERTICAL SCALE	DESIGNATION
N/A	1800033
SURVEY BOOK	SHEETS
ELECTRONIC	12 of 264
CONTRACT	PROJECT
R-42600	1800033

NOTE TO REVIEWER
Retention basins, small structures, and connections to existing networks are preliminary at this stage. Further discussion will be had with INDOT Hydraulics as part of the Hydraulics Report Submittal.

BEGIN PROJECT
PROJECT NO. 1800033
P.O.T. Sta. 700+00.00
Line "A"
N: 206944.99
E: 784970.77



NOTE TO REVIEWER
Earthwork balance table will be provided for Final Field Check after geotechnical information is known.

NOTE TO REVIEWER
Control point and benchmark information will be provided on the plans after the amendment to the LCRS is complete as mentioned above.

BEGIN PROJECT NO. 1800033
Sta. = 700+00.00
Line "A"
Elev. = 808.76

HMA Pavement to be removed. Included in excavation quantity.
Pavement Removal - PCCP or composite pavement

NOTE TO REVIEWER
Proposed ditch erosion protection will be included in future submittal after further retention basin and post-construction stormwater management discussion with INDOT Hydraulics

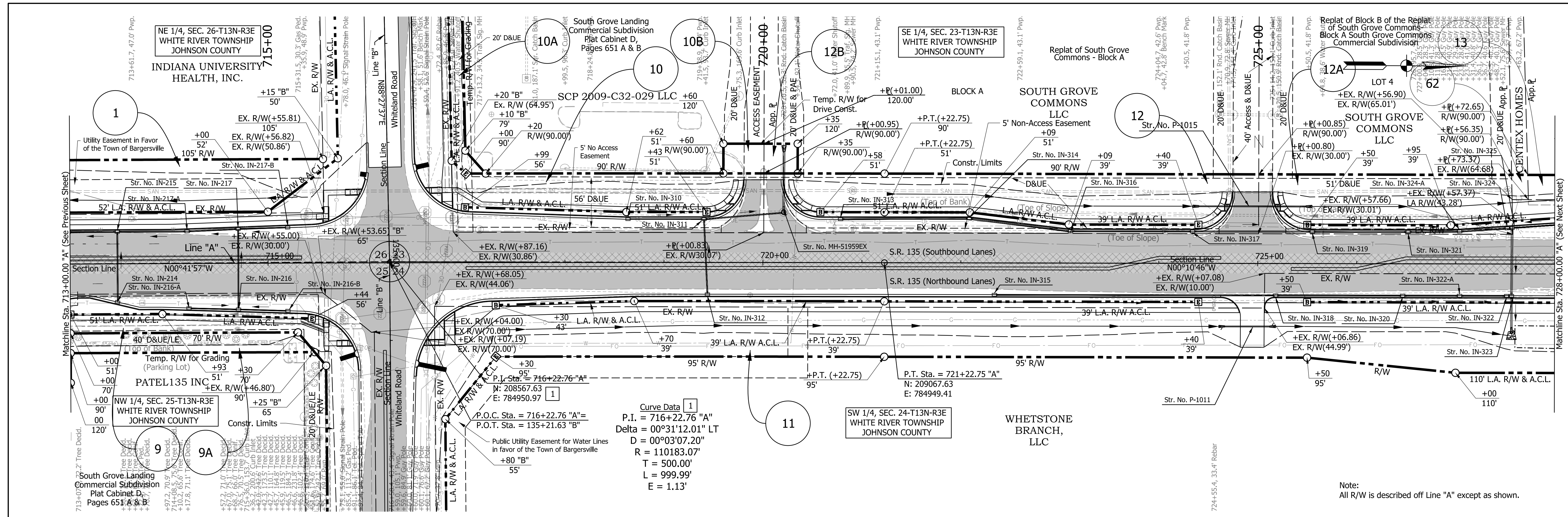
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NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____
DESIGN ENGINEER _____ DATE _____
DRAWN: JSB
DESIGNED: AJP
CHECKED: TNE
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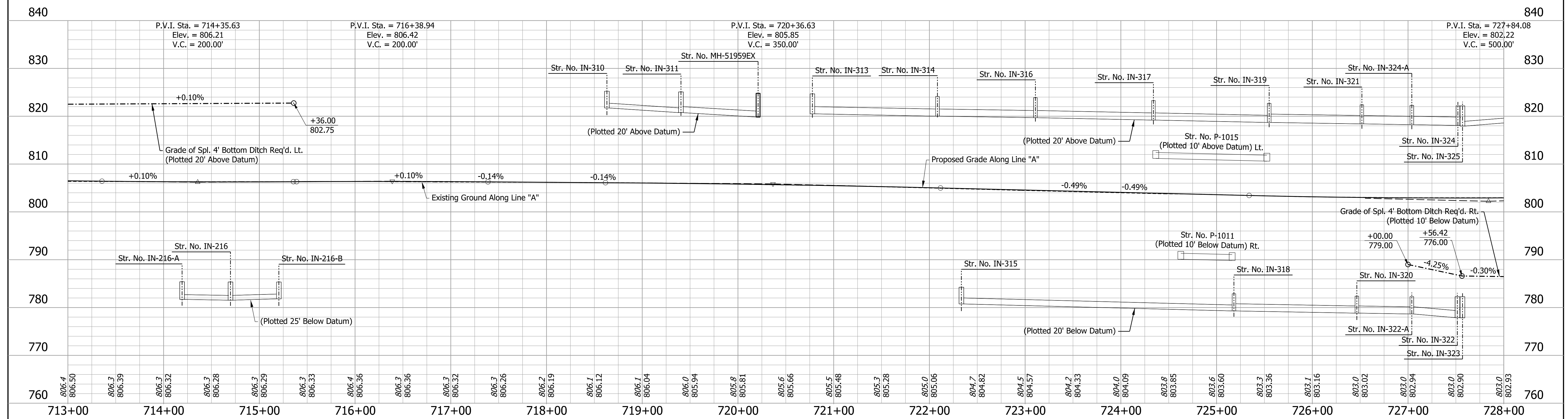
INDIANA DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE SHEET
LINE "A"
STA. 698+00 TO STA. 713+00

HORIZONTAL SCALE 1"=50'	BRIDGE FILE N/A
VERTICAL SCALE 1"=10'	DESIGNATION 1800033
SURVEY BOOK ELECTRONIC	SHEETS 82 of 264
CONTRACT R-42600	PROJECT 1800033

temart
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model: A - PP-01
file: \$FILES\$



Note:
All R/W is described off Line "A" except as shown.



NOTE TO REVIEWER

Proposed ditch erosion protection will be included in future submittal after further retention basin and post-construction stormwater management discussion with INDOT Hydraulics

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE _____

DESIGNED: AJP DRAWN: JSB

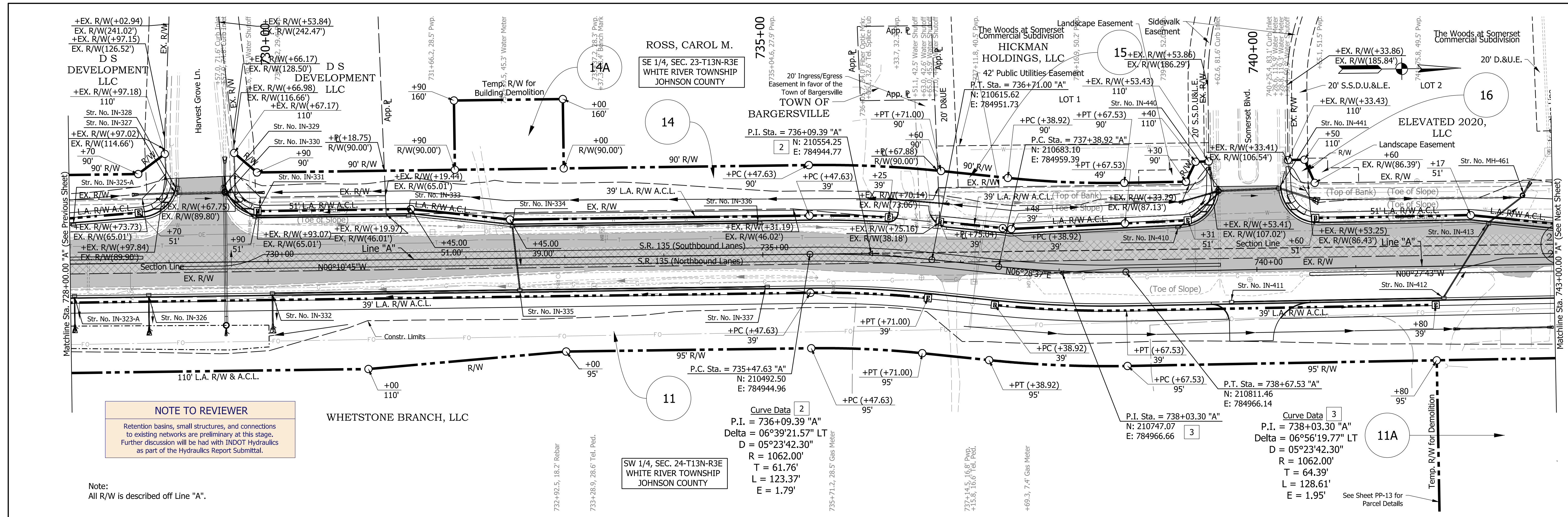
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INDIANA DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE SHEET
LINE "A"
STA. 713+00 TO STA. 728+00

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
1"=10'	1800033
SURVEY BOOK	SHEETS
ELECTRONIC	83 of 264
CONTRACT	PROJECT
R-42600	1800033

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model: A - PP-02
file: \$FILES\$



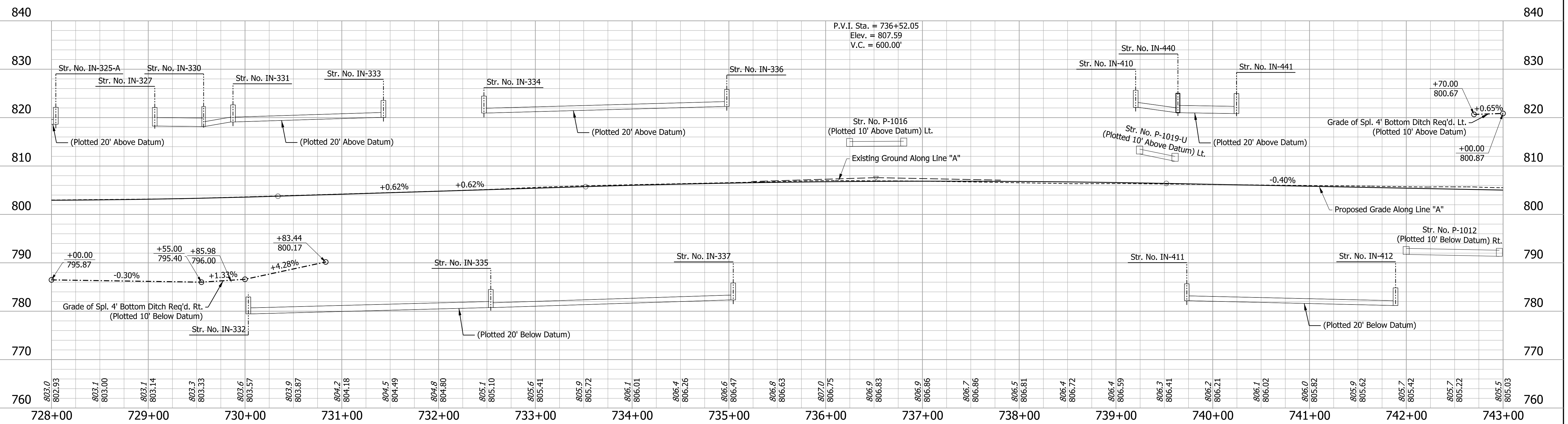
NOTE TO REVIEWER
Retention basins, small structures, and connections to existing networks are preliminary at this stage. Further discussion will be had with INDOT Hydraulics as part of the Hydraulics Report Submittal.

Note:
All R/W is described off Line "A".

SW 1/4, SEC. 24-T13N-R3E
WHITE RIVER TOWNSHIP
JOHNSON COUNTY

Curve Data 2
P.I. = 736+09.39 "A"
Delta = 06°39'21.57" LT
D = 05°23'42.30"
R = 1062.00'
T = 61.76'
L = 123.37'
E = 1.79'

Curve Data 3
P.I. = 738+03.30 "A"
Delta = 06°56'19.77" LT
D = 05°23'42.30"
R = 1062.00'
T = 64.39'
L = 128.61'
E = 1.95'



HMA Pavement to be removed. Included in excavation quantity.

Pavement Removal - PCCP or composite pavement

NOTE TO REVIEWER
Proposed ditch erosion protection will be included in future submittal after further retention basin and post-construction stormwater management discussion with INDOT Hydraulics

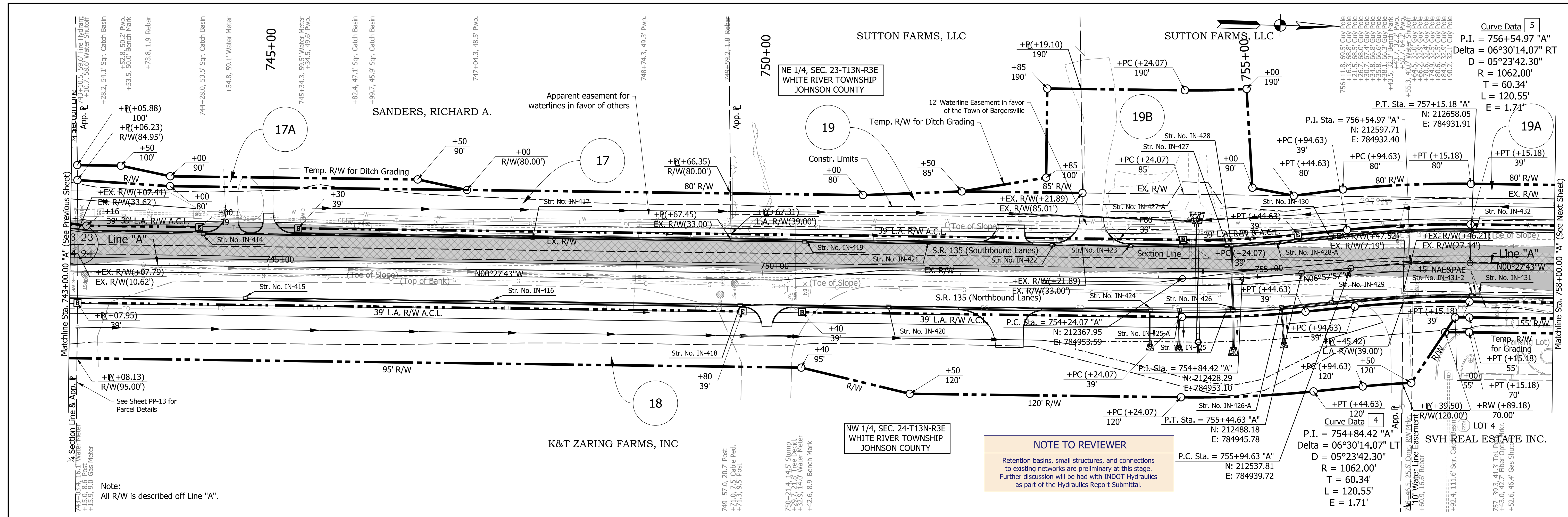
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NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____
DESIGNED: AJP DRAWN: JSB
CHECKED: TNE CHECKED: TNE

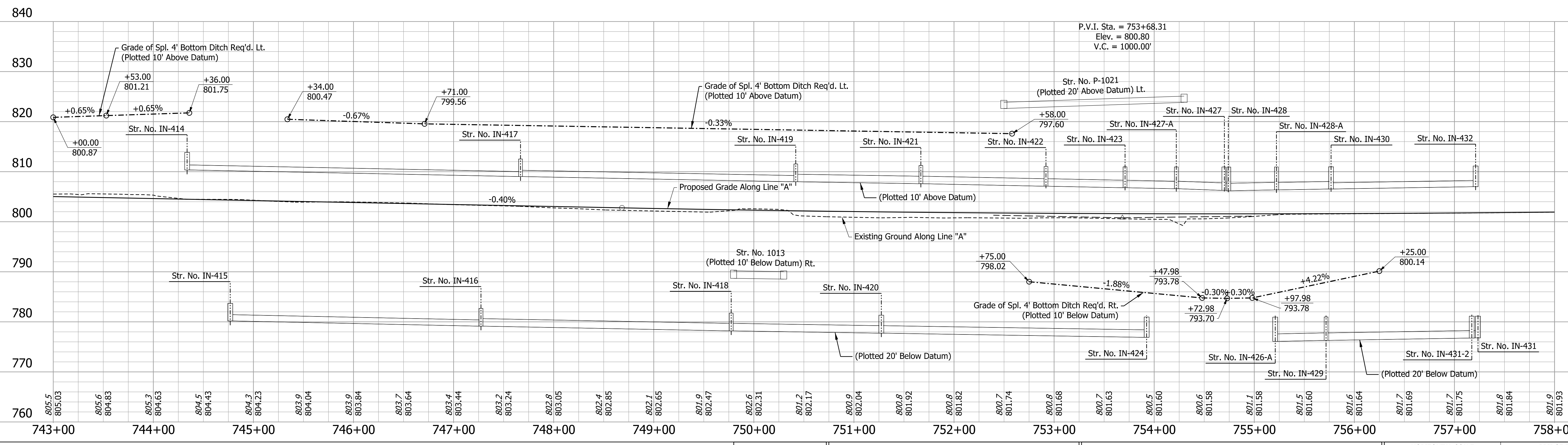
INDIANA DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE SHEET
LINE "A"
STA. 728+00 TO STA. 743+00

HORIZONTAL SCALE 1"=50'	BRIDGE FILE N/A
VERTICAL SCALE 1"=10'	DESIGNATION 1800033
SURVEY BOOK ELECTRONIC	SHEETS 84 of 264
CONTRACT R-42600	PROJECT 1800033

temart
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model: A - PP-03
file: \$FILES



NOTE TO REVIEWER
Retention basins, small structures, and connections to existing networks are preliminary at this stage. Further discussion will be had with INDOT Hydraulics as part of the Hydraulics Report Submittal.



HMA Pavement to be removed. Included in excavation quantity.
 Pavement Removal - PCCP or composite pavement

NOTE TO REVIEWER
Proposed ditch erosion protection will be included in future submittal after further retention basin and post-construction stormwater management discussion with INDOT Hydraulics

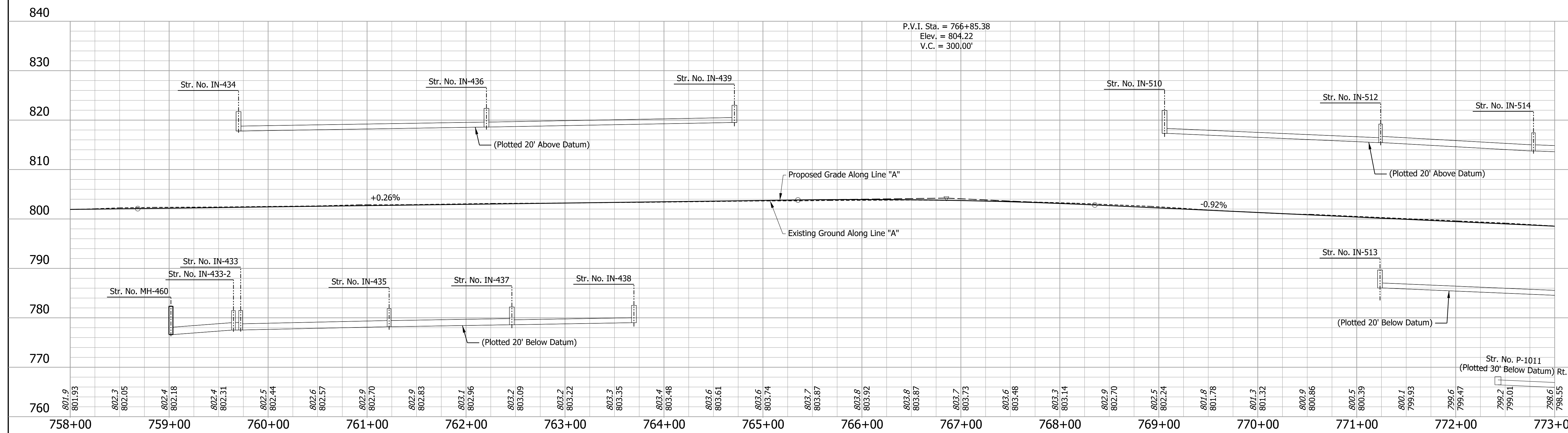
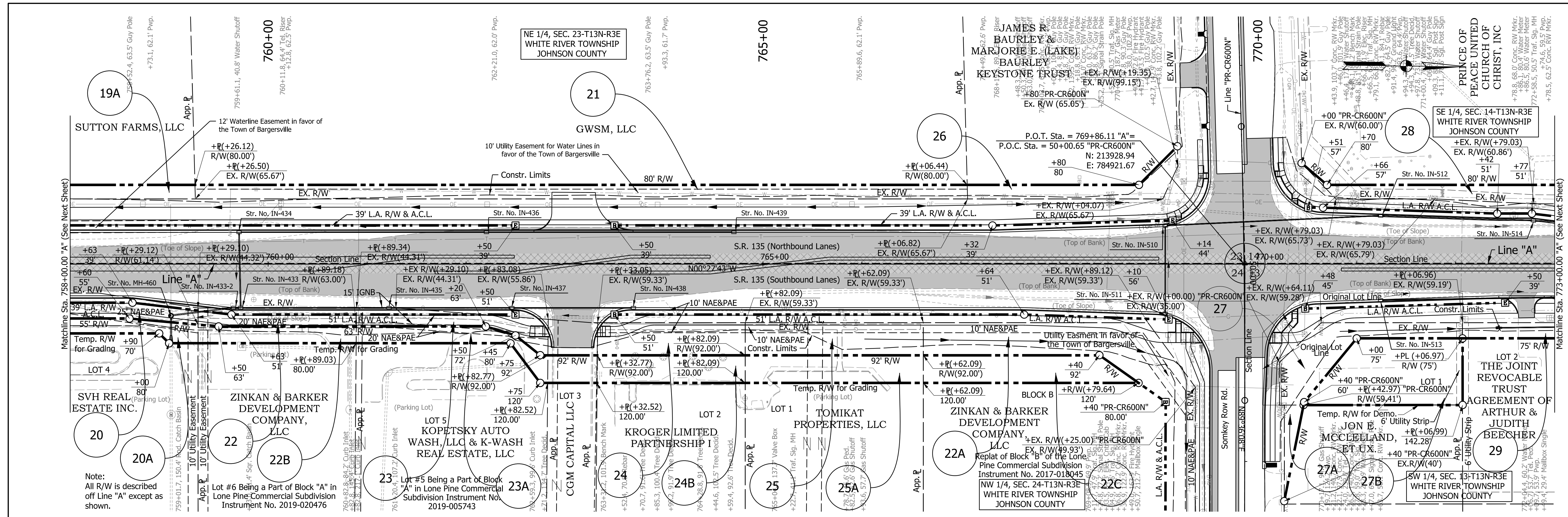
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NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: AJP	DRAWN: JSB	
CHECKED: TNE	CHECKED: TNE	

INDIANA DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE SHEET
LINE "A"
STA. 743+00 TO STA. 758+00

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
1"=10'	1800033
SURVEY BOOK	SHEETS
ELECTRONIC	85 of 264
CONTRACT	PROJECT
R-42600	1800033

temart
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model: A - PP-04
file: \$FILES



HMA Pavement to be removed. Included in excavation quantity.
 Pavement Removal - PCCP or composite pavement

NOTE TO REVIEWER

Proposed ditch erosion protection will be included in future submittal after further retention basin and post-construction stormwater management discussion with INDOT Hydraulics

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NOT FOR CONSTRUCTION

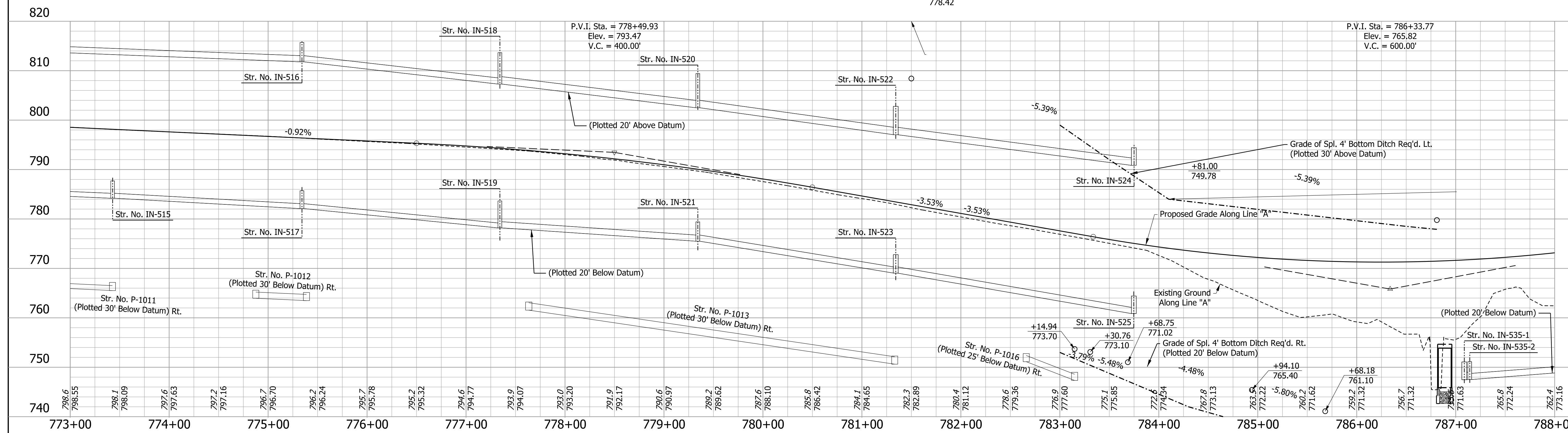
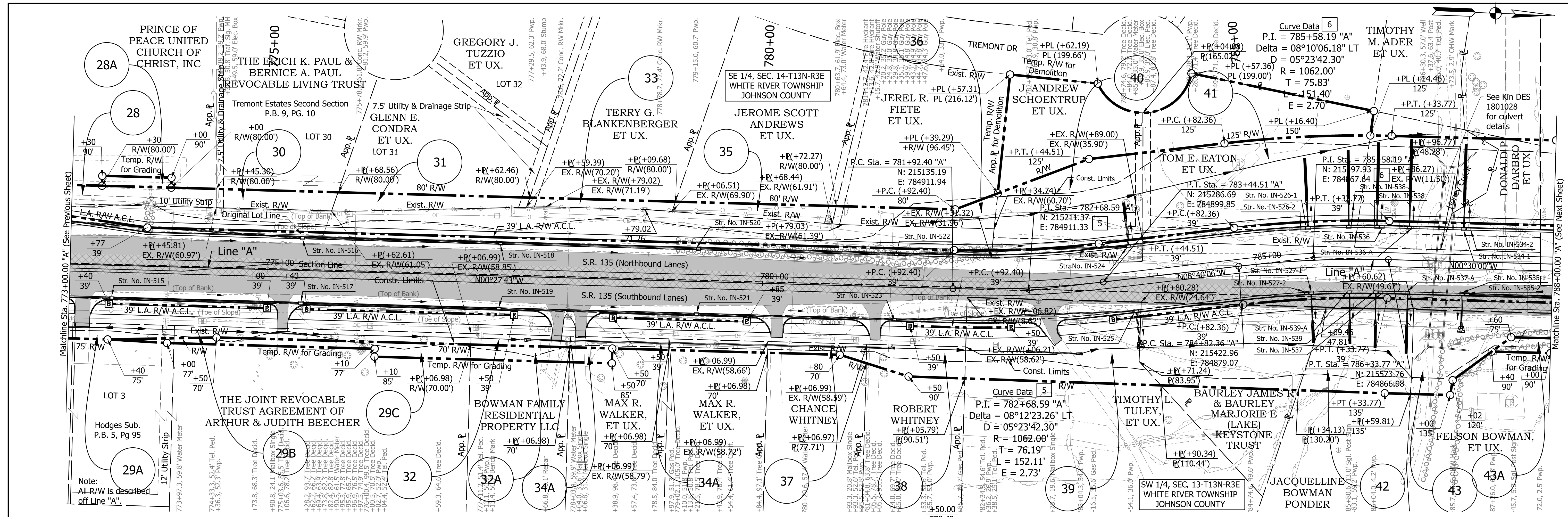
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	
DESIGNED: AJP	DRAWN: JSB		
CHECKED: TNE	CHECKED: TNE		

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE SHEET
LINE "A"
STA. 758+00 TO STA. 773+00

HORIZONTAL SCALE	BRIDGE FILE	N/A
1"=50'	DESIGNATION	
VERTICAL SCALE	1800033	
1"=10'		
SURVEY BOOK	SHEETS	PP-05
ELECTRONIC	86	of 264
CONTRACT	PROJECT	
R-42600	1800033	

jshurton
 4/30/2024; 11:33:27 AM
 model: A - PP-05 (Sheet)
 file: \$FILES\$



NOTE TO REVIEWER
 Proposed ditch erosion protection will be included in future submittal after further retention basin and post-construction stormwater management discussion with INDOT Hydraulics

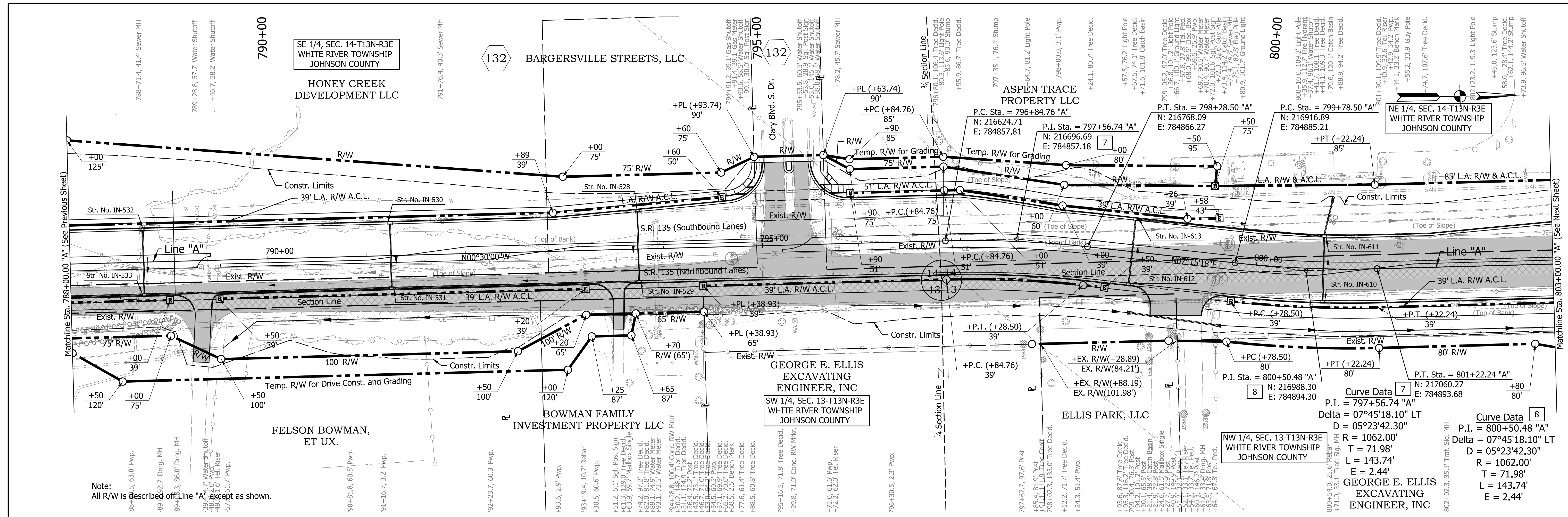
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: AJP	DRAWN: JSB	
CHECKED: TNE	CHECKED: TNE	

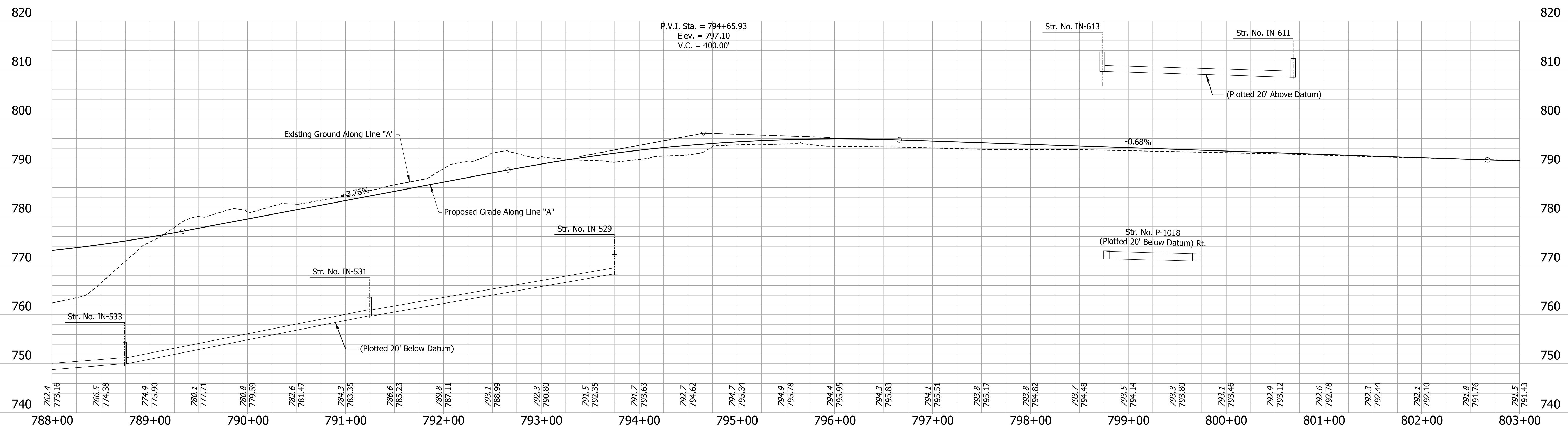
INDIANA DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE SHEET
LINE "A"
STA. 773+00 TO STA. 788+00

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
1"=10'	1800033
SURVEY BOOK	SHEETS
ELECTRONIC	87 of 264
CONTRACT	PROJECT
R-42600	1800033

4/30/2024; 11:33:30 AM
 model: A - PP-06 (Sheet)
 files: \$FILES\$



Note:
All R/W is described off Line "A", except as shown.



HMA Pavement to be removed. Included in excavation quantity.
 Pavement Removal - PCCP or composite pavement

NOTE TO REVIEWER
Proposed ditch erosion protection will be included in future submittal after further retention basin and post-construction stormwater management discussion with INDOT Hydraulics

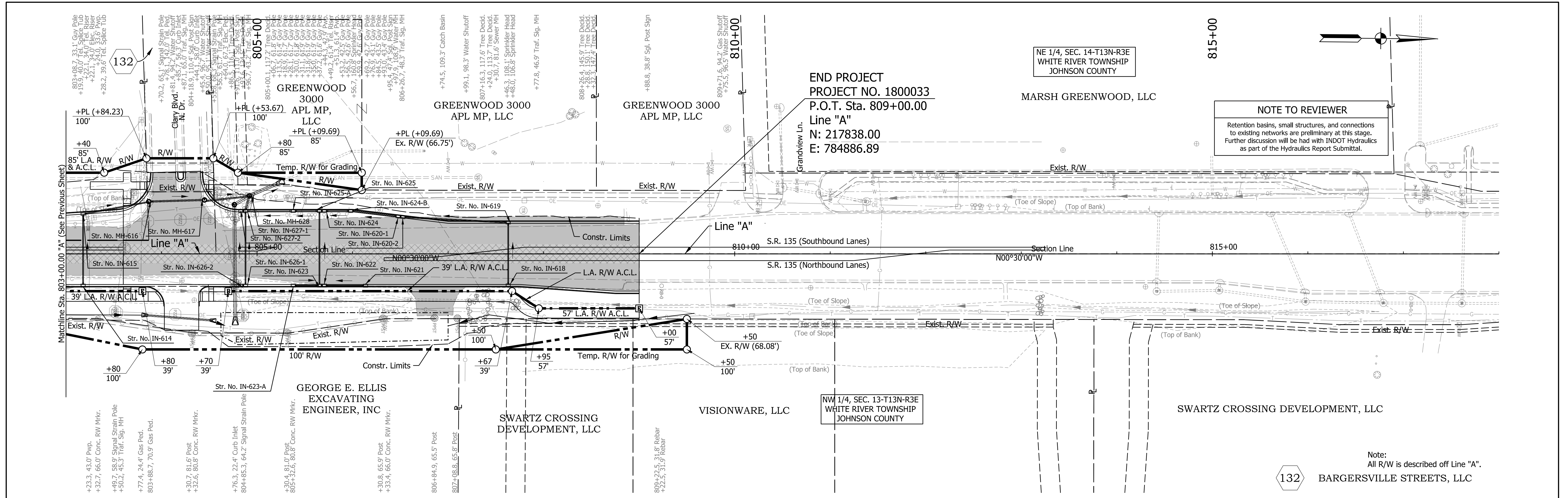
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NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____
DESIGN ENGINEER _____ DATE _____
DESIGNED: AJP DRAWN: JSB
CHECKED: TNE CHECKED: TNE

INDIANA DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE SHEET
LINE "A"
STA. 788+00 TO STA. 803+00

HORIZONTAL SCALE 1"=50'	BRIDGE FILE N/A
VERTICAL SCALE 1"=10'	DESIGNATION 1800033
SURVEY BOOK ELECTRONIC	SHEETS 88 of 264
CONTRACT R-42600	PROJECT 1800033

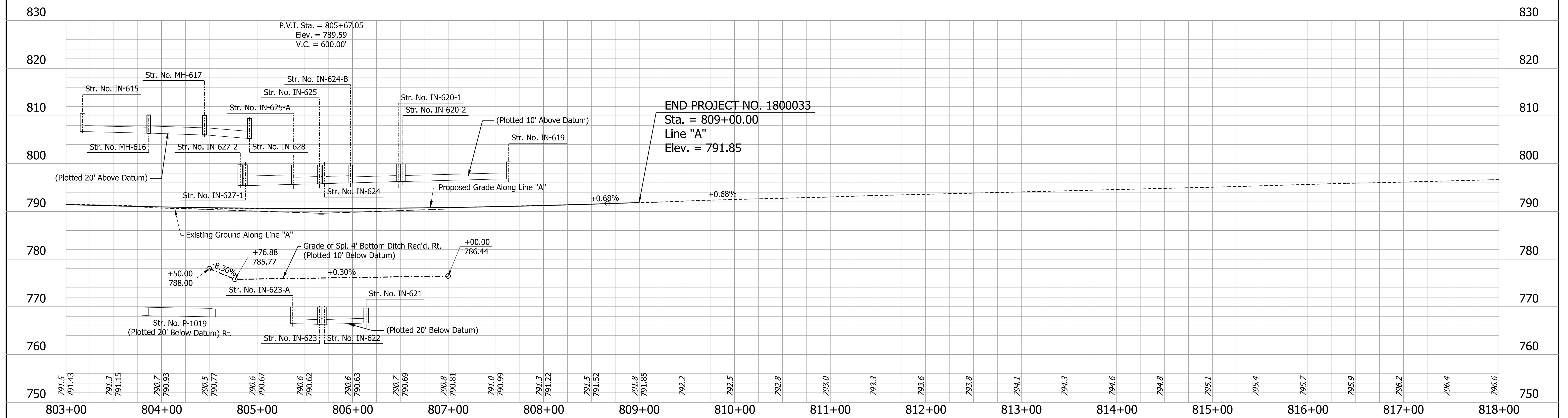
jshurton
 4/30/2024; 11:33:33 AM
 model: A - PP-07 [Sheet]
 file: \$FILES



NOTE TO REVIEWER
Retention basins, small structures, and connections to existing networks are preliminary at this stage. Further discussion will be had with INDOT Hydraulics as part of the Hydraulics Report Submittal.

END PROJECT
PROJECT NO. 1800033
P.O.T. Sta. 809+00.00
Line "A"
N: 217838.00
E: 784886.89

Note:
All R/W is described off Line "A".



END PROJECT NO. 1800033
Sta. = 809+00.00
Line "A"
Elev. = 791.85

HMA Pavement to be removed. Included in excavation quantity.
Pavement Removal - PCCP or composite pavement

NOTE TO REVIEWER
Proposed ditch erosion protection will be included in future submittal after further retention basin and post-construction stormwater management discussion with INDOT Hydraulics

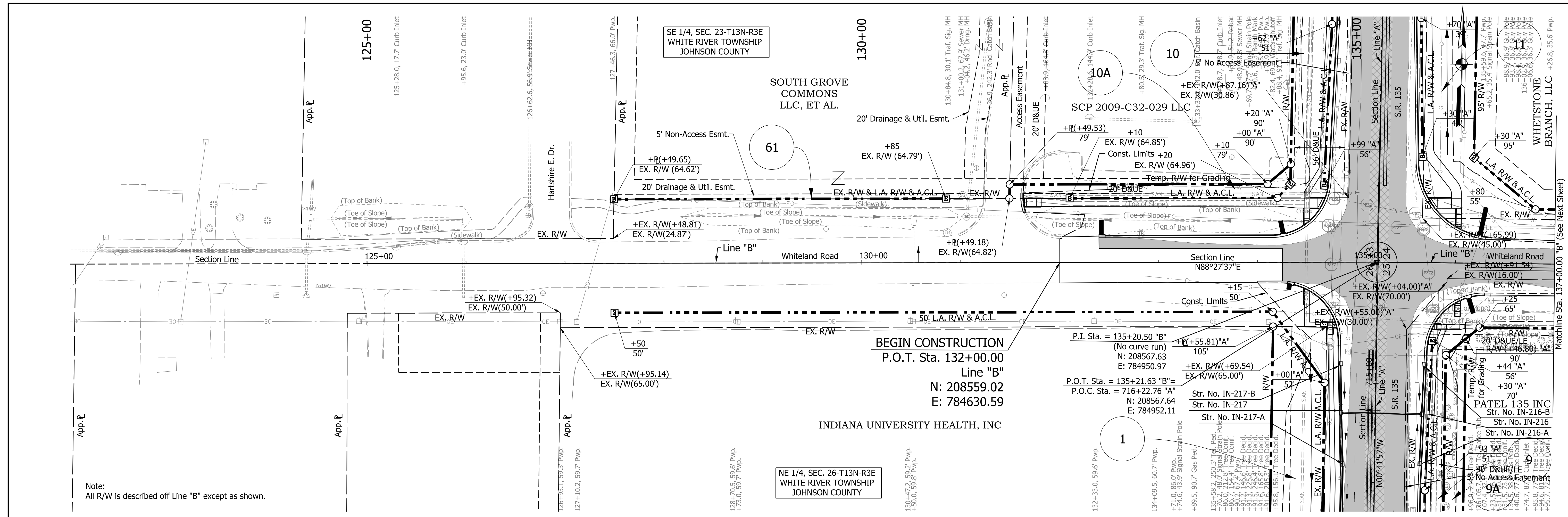
DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____
DESIGN ENGINEER _____ DATE _____
DESIGNED: AJP DRAWN: JSB
CHECKED: TNE CHECKED: TNE

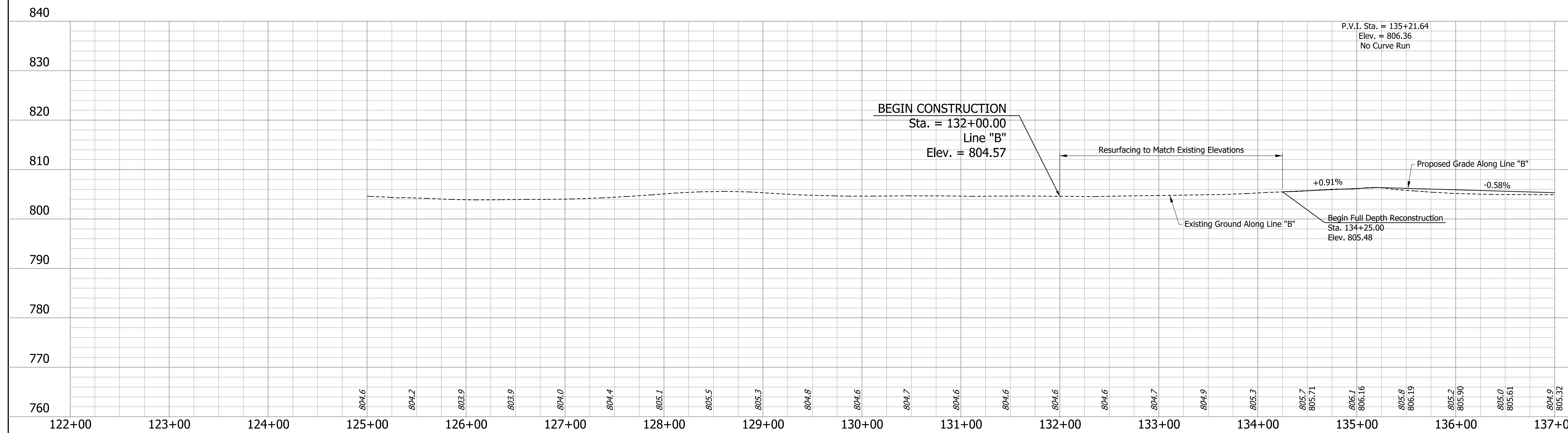
INDIANA DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE SHEET
LINE "A"
STA. 803+00 TO STA. 818+00

HORIZONTAL SCALE 1"=50'	BRIDGE FILE N/A
VERTICAL SCALE 1"=10'	DESIGNATION 1800033
SURVEY BOOK ELECTRONIC CONTRACT R-42600	SHEETS 89 of 264 PROJECT 1800033

jsburton
4/30/2024; 11:33:36 AM
model: A - PP-08 [Sheet]
file: \$FILES



Note:
All R/W is described off Line "B" except as shown.



- HMA Pavement to be removed. Included in excavation quantity.
- Pavement Removal - PCCP or composite pavement

DRAFT
NOT FOR CONSTRUCTION

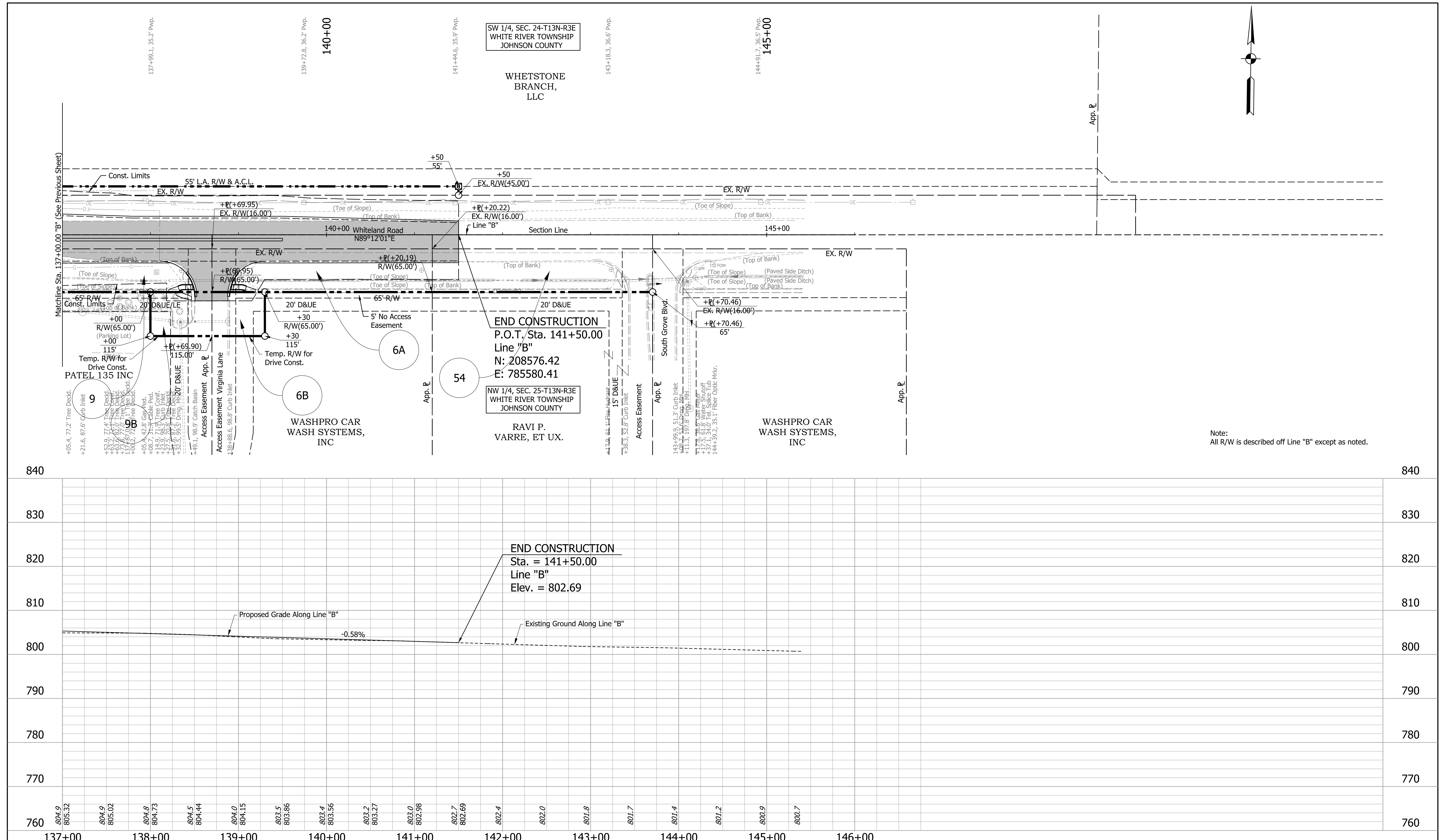
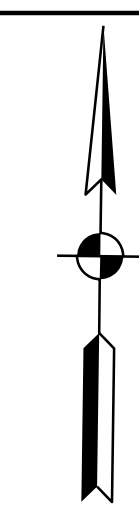
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: AJP	DRAWN: JSB	
CHECKED: TNE	CHECKED: TNE	

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE SHEET
LINE "B"
STA. 125+00 TO STA. 137+00

HORIZONTAL SCALE 1"=50'	BRIDGE FILE N/A
VERTICAL SCALE 1"=10'	DESIGNATION 1800033
SURVEY BOOK ELECTRONIC	SHEETS 90 of 264
CONTRACT R-42600	PROJECT 1800033

jsburton
4/30/2024; 11:34:00 AM
model: B - PP-09
file: \$FILES\$

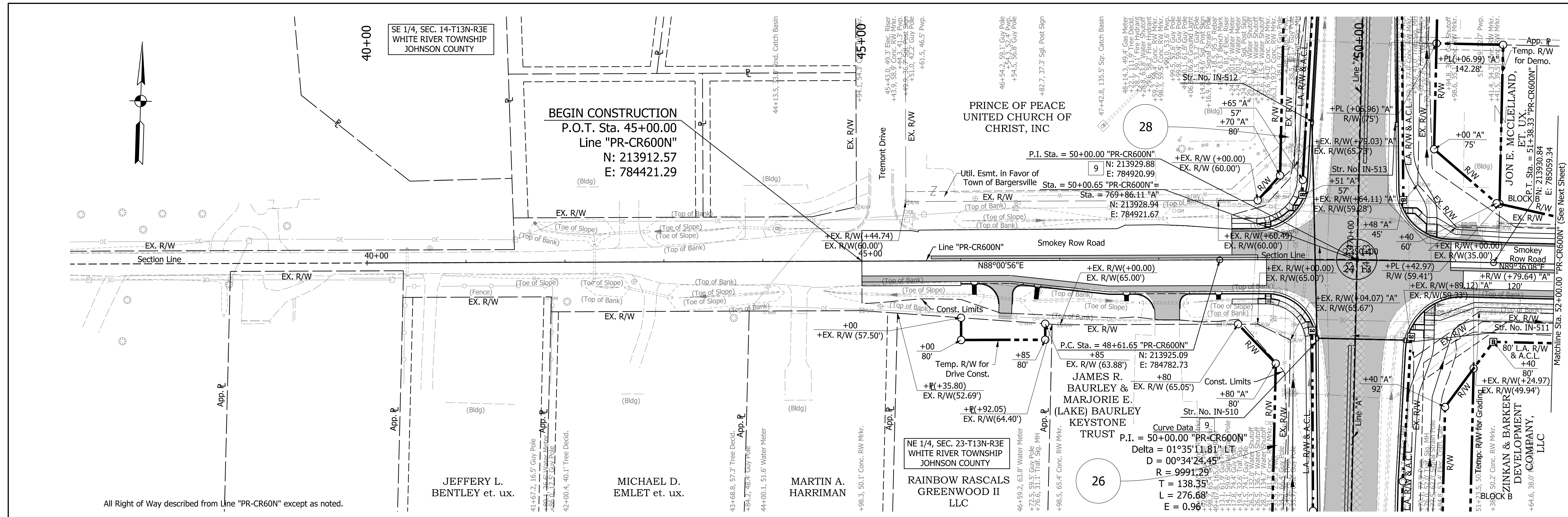


Note:
All R/W is described off Line "B" except as noted.

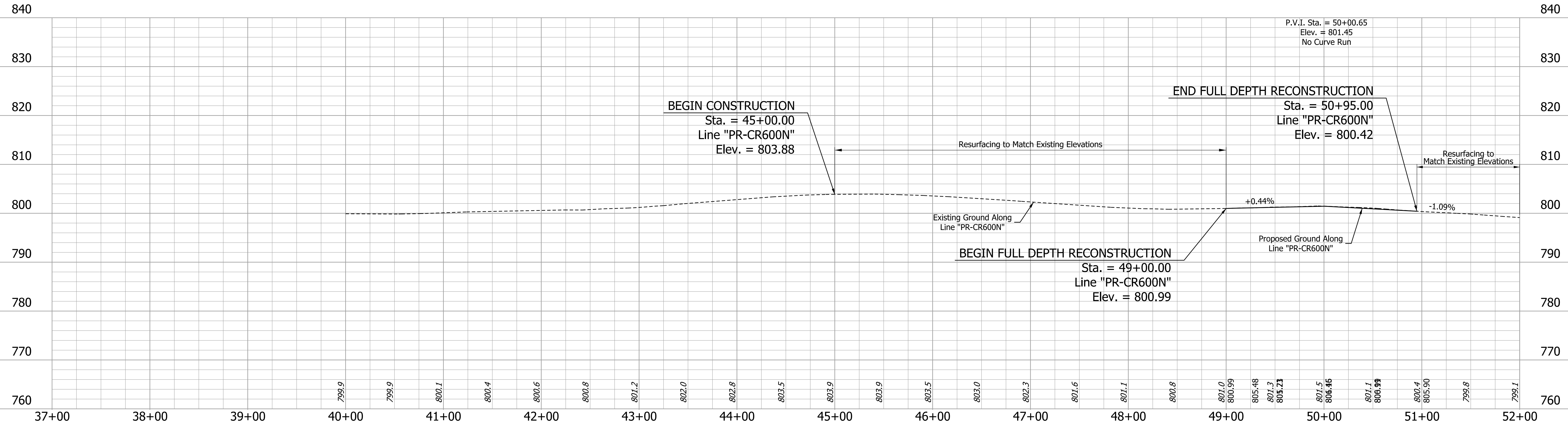
<p>804.9 805.32</p> <p>804.9 805.02</p> <p>804.8 804.73</p> <p>804.5 804.44</p> <p>804.0 804.15</p> <p>803.5 803.86</p> <p>803.4 803.56</p> <p>803.2 803.27</p> <p>803.0 802.98</p> <p>802.7 802.69</p> <p>802.4</p> <p>802.0</p> <p>801.8</p> <p>801.7</p> <p>801.4</p> <p>801.2</p> <p>800.9</p> <p>800.7</p>	<p>137+00</p> <p>138+00</p> <p>139+00</p> <p>140+00</p> <p>141+00</p> <p>142+00</p> <p>143+00</p> <p>144+00</p> <p>145+00</p> <p>146+00</p>	<p>840</p> <p>830</p> <p>820</p> <p>810</p> <p>800</p> <p>790</p> <p>780</p> <p>770</p> <p>760</p>	<p>840</p> <p>830</p> <p>820</p> <p>810</p> <p>800</p> <p>790</p> <p>780</p> <p>770</p> <p>760</p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>PLAN AND PROFILE SHEET LINE "B" STA. 137+00 TO STA. 146+00</p>	<p>HORIZONTAL SCALE 1"=50'</p>	<p>BRIDGE FILE N/A</p>
					<p>VERTICAL SCALE 1"=10'</p>	<p>DESIGNATION 1800033</p>
<p>DESIGNED: AJP DRAWN: JSB</p> <p>CHECKED: TNE CHECKED: TNE</p>		<p>RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____</p>		<p>SURVEY BOOK SHEETS PP-10 ELECTRONIC 91 of 264 CONTRACT PROJECT R-42600 1800033</p>		

DRAFT
NOT FOR CONSTRUCTION

jsburton
4/30/2024; 11:34:01 AM
model: B - PP-10
file: \$FILES



All Right of Way described from Line "PR-CR60N" except as noted.



	HMA Pavement to be removed. Included in excavation quantity.
	Pavement Removal - PCCP or composite pavement

DRAFT
NOT FOR CONSTRUCTION

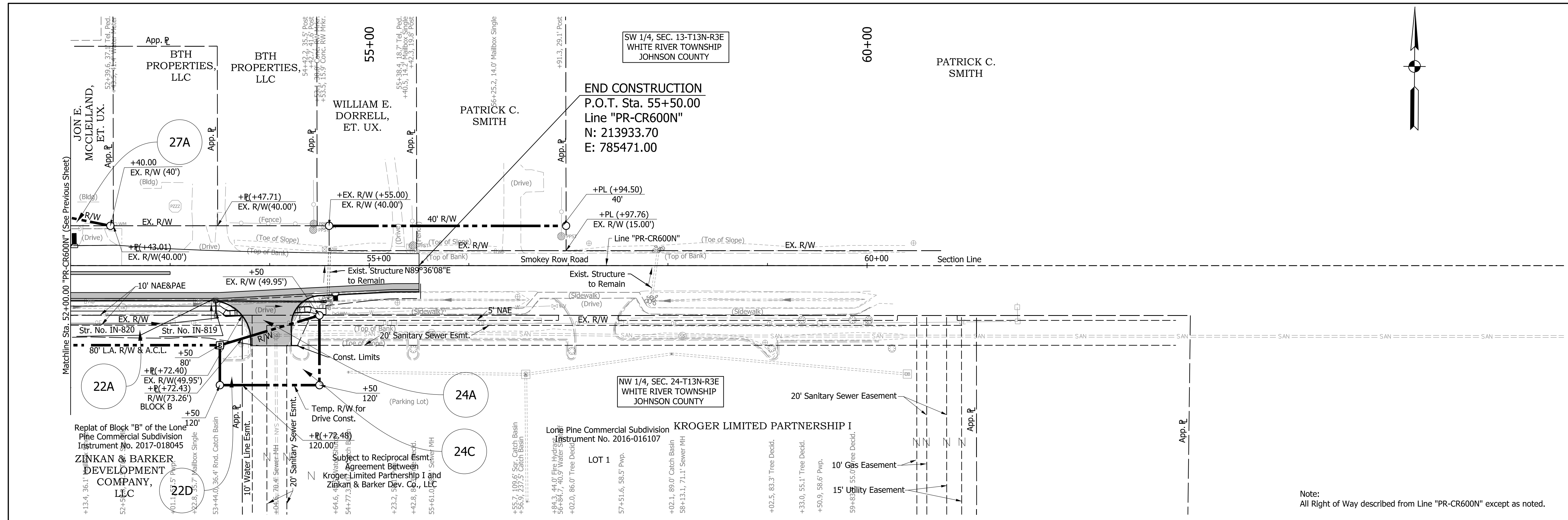
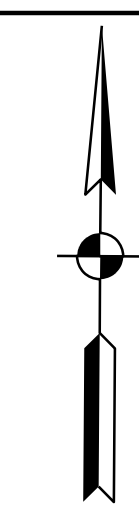
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: AJP	DRAWN: JSB	
CHECKED: TNE	CHECKED: TNE	

INDIANA DEPARTMENT OF TRANSPORTATION

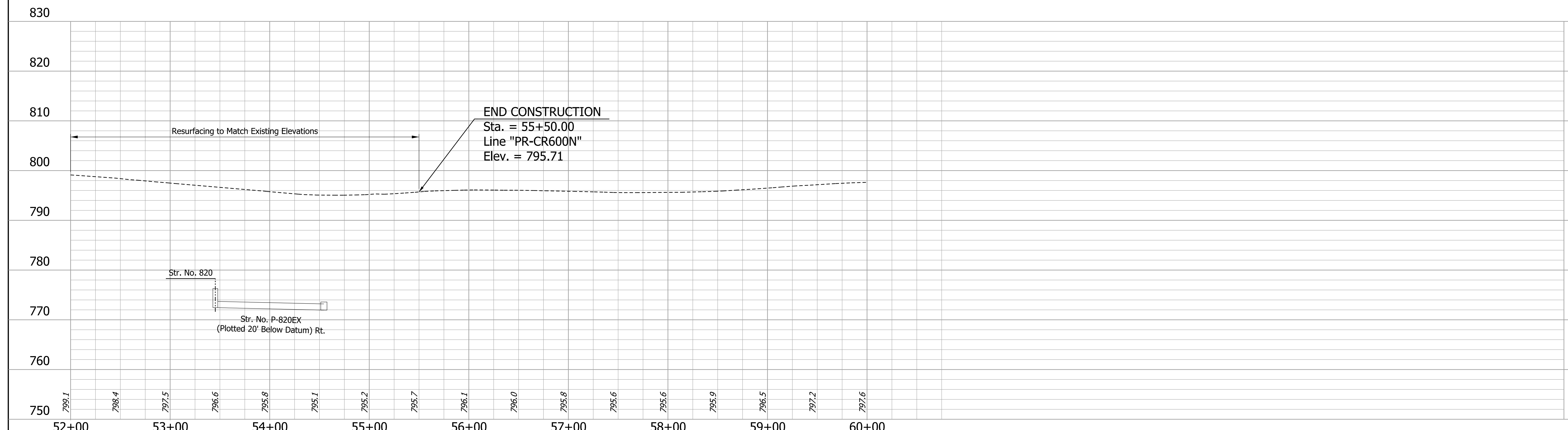
PLAN AND PROFILE SHEET
LINE "PR-CR600N"
STA. 40+00 TO STA. 52+00

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
1"=10'	1800033
SURVEY BOOK	SHEETS
ELECTRONIC	92 of 264
CONTRACT	PROJECT
R-42600	1800033

jshurton
 4/30/2024; 11:34:04 AM
 model: PR-CR600N - PP-11
 file: \$FILES



Note:
All Right of Way described from Line "PR-CR600N" except as noted.



- HMA Pavement to be removed. Included in excavation quantity.
- Pavement Removal - PCCP or composite pavement

DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ AJP _____	DRAWN: _____ JSB _____	
CHECKED: _____ TNE _____	CHECKED: _____ TNE _____	

INDIANA DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE SHEET
LINE "PR-CR600N"
STA. 52+00 TO STA. 60+00

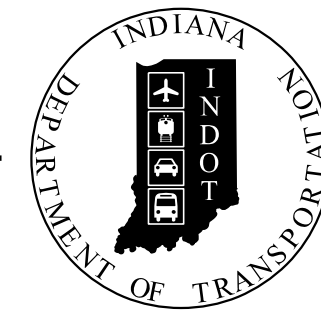
HORIZONTAL SCALE 1"=50'	BRIDGE FILE N/A
VERTICAL SCALE 1"=10'	DESIGNATION 1800033
SURVEY BOOK ELECTRONIC	SHEETS 93 of 264
CONTRACT R-42600	PROJECT 1800033

jsburton
4/30/2024; 11:34:06 AM
model: PR-CR600N - PP-12
file: \$FILES

PROJECT	DESIGNATION
1801028	1801028
CONTRACT	
R-42600	

Excerpt

INDIANA DEPARTMENT OF TRANSPORTATION



ROAD PLANS

ROUTE: SR 135 FROM: RP 129+45 TO: RP 129+45
PROJECT NO. 1801028 P.E.
1801028 R/W
1801028 CONST.

CULVERT ASSETS		
DES. NO.	CULVERT ASSET ID	WORK TYPE
1801028	CV 135-041-129.45	Reinforced, Slab Top, 3 Sided

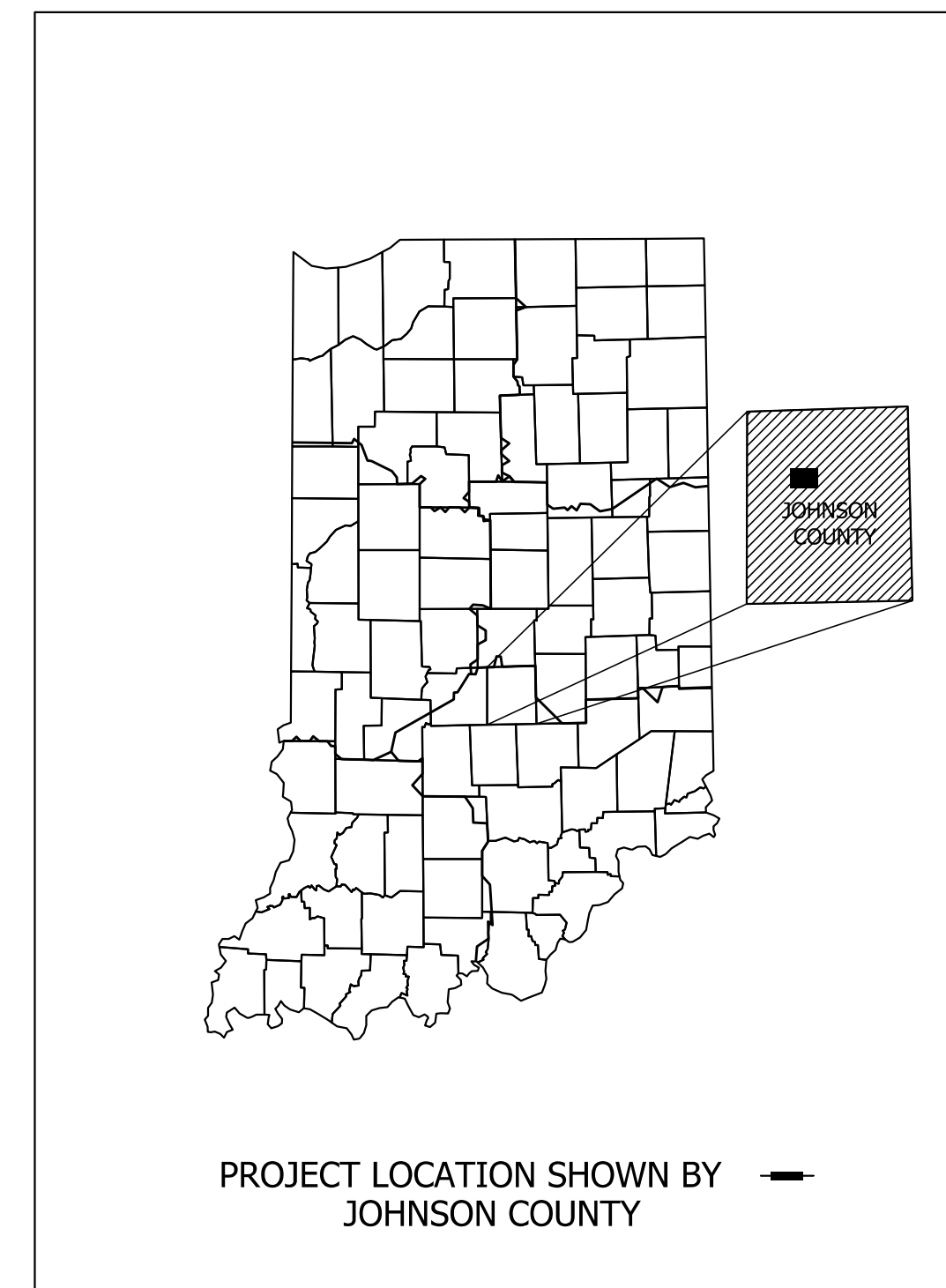
KIN PROJECT INFORMATION	
DESIGNATION	PROJECT DESCRIPTION
1800033 (LEAD)	SR 135 ROAD CONSTRUCTION FROM 1.76 MILES NORTH OF SR 144 TO 4 MILES NORTH OF SR 144

Small Structure Replacement on State Road 135
over Honey Creek, 3.43 miles North of SR 144.
Section 13-14, T-13N, R-3E, White River Township, Johnson County, Indiana

NOTE TO REVIEWER:
This small structure will be constructed in the same contract as the SR 135 Added Travel Lanes Project (Des. No. 1800033)

TRAFFIC DATA		
A.A.D.T. (2028)		23,900 V.P.D.
A.A.D.T. (2048)		39,400 V.P.D.
D.H.V (2048)		3,550 V.P.D.
TRUCKS (2048)		2.00% A.A.D.T.
		1.00% D.H.V.

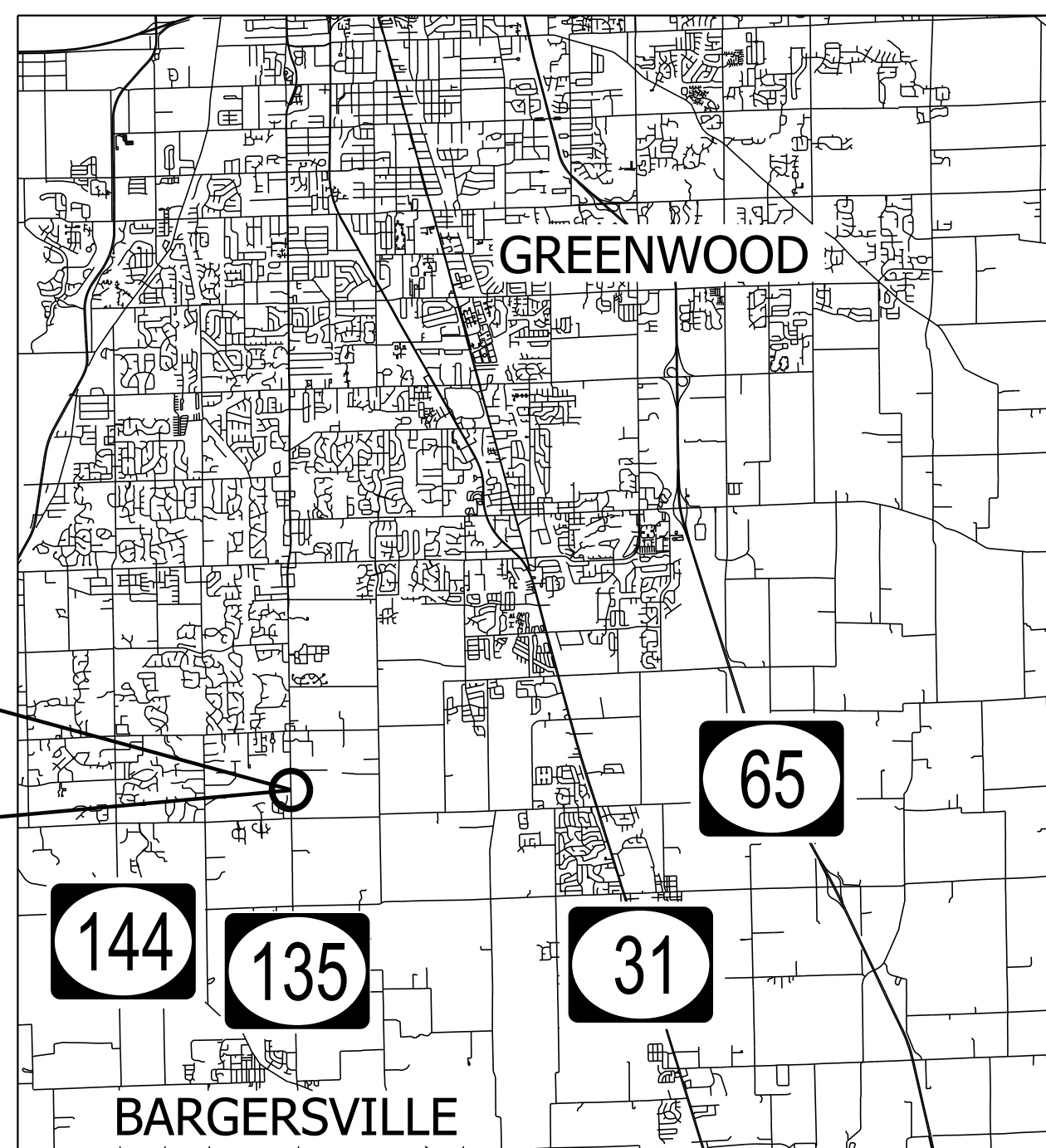
DESIGN DATA	
DESIGN SPEED	45 M.P.H.
PROJECT DESIGN CRITERIA	RECONSTRUCTION (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	PRINCIPAL ARTERIAL
RURAL/URBAN	URBAN (SUBURBAN)
TERRAIN	LEVEL
ACCESS CONTROL	PARTIAL



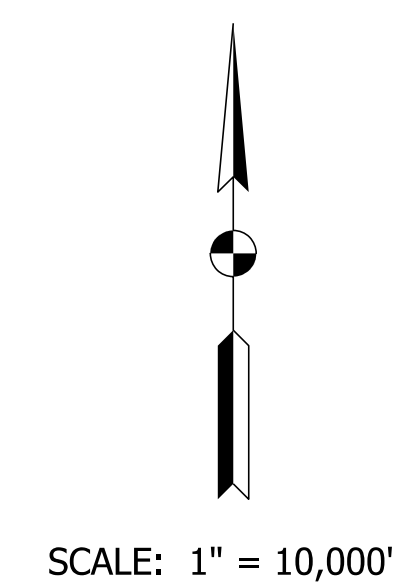
LATITUDE: 39° 34' 4" N LONGITUDE: 86° 9' 31" W

GROSS LENGTH: 0.020 MI.
NET LENGTH: 0.020 MI.
MAX. GRADE: 3.76 %

HYDROLOGIC UNIT CODE (S): 051202011401



END PROJECT 1801028
STA. 787+50.00 "A"
BEGIN PROJECT 1801028
STA. 786+40.00 "A"



BURGESS & NIPLE
Engineers ■ Architects ■ Planners

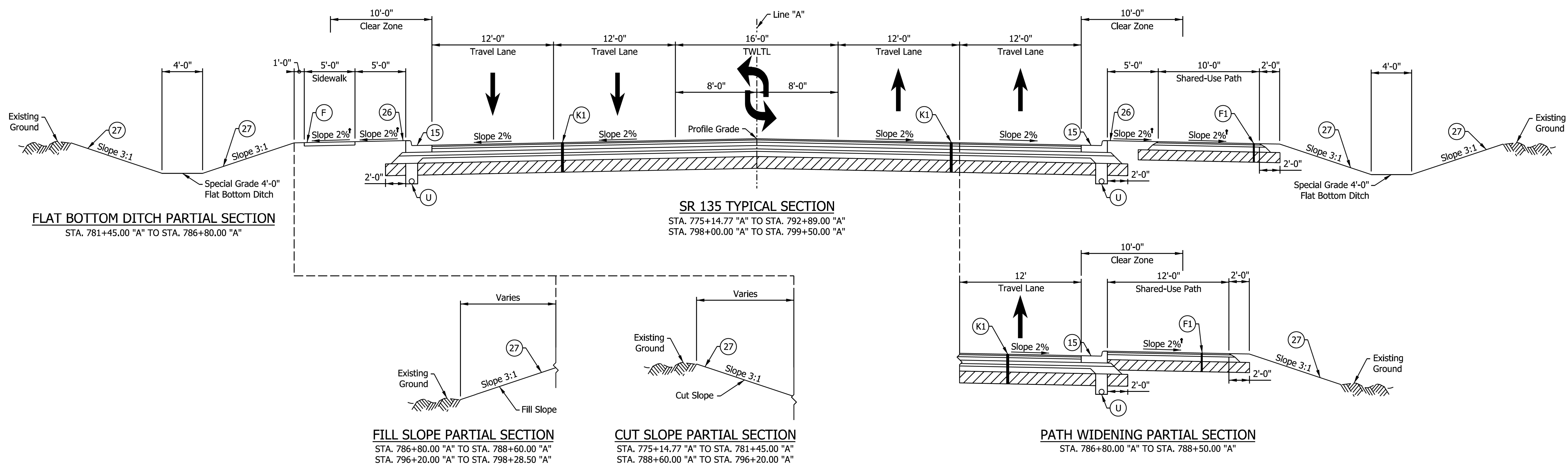
251 N. ILLINOIS ST.
CAPITOL CENTER SUITE 920
INDIANAPOLIS, IN 46204
PHONE (317) 237-2760
FAX (317) 237-2755

CE DOCUMENT PLANS
October 10, 2023

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2024
TO BE USED WITH THESE PLANS

PLANS PREPARED BY: <u>BURGESS & NIPLE, INC.</u> (317) 237-2760 PHONE NUMBER	BRIDGE FILE N/A DESIGNATION 1801028
PREPARED BY: _____ DATE _____	SHEETS 1 of 9
RECOMMENDED FOR LETTING: _____ DATE _____	CONTRACT PROJECT R-42600 1801028

Plot: 10/10/2023 1:57 PM



See Cross Section sheets for changes in slopes, sidewalk, shared-use path, and ditches.

- LEGEND**
- (F) Sidewalk, Concrete
 - (F1) HMA for Sidewalk
 - (K1) Full Depth HMA Pavement
 - (U) Underdrain, 6"
 - (15) Combined Concrete Curb and Gutter, Type C
 - (26) Sodding
 - (27) Seed Mixture, R

FOR INFORMATION ONLY

Plot: 10/10/2023 1:57 PM

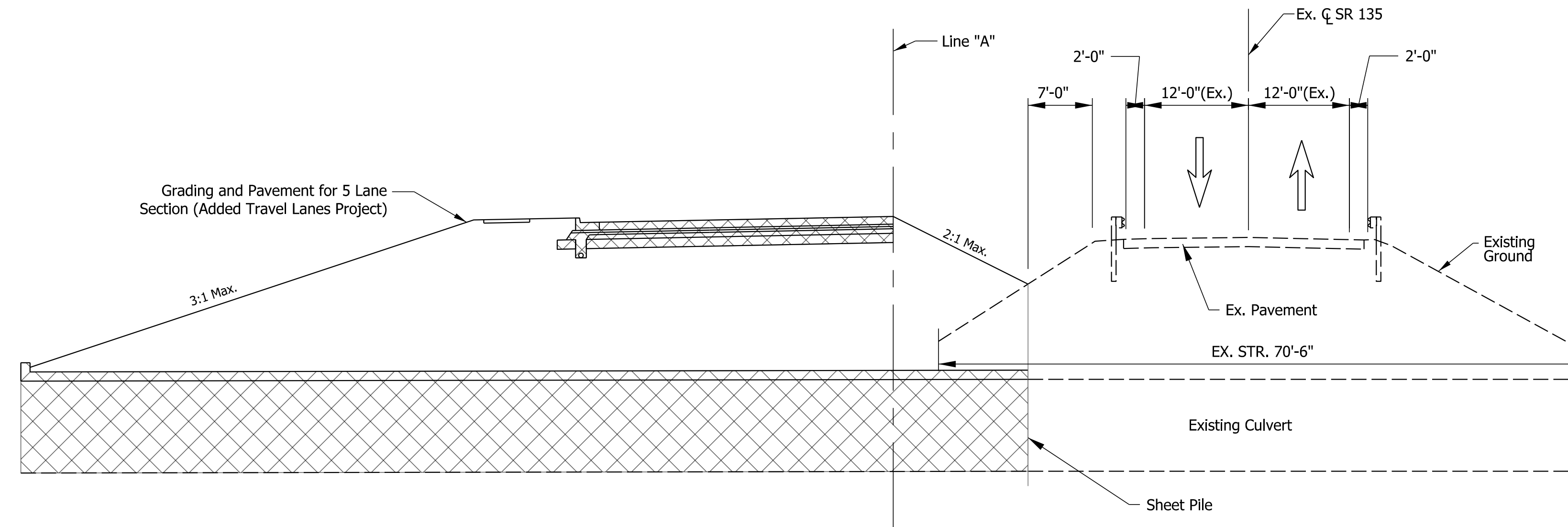
File: Model: Default

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER		DATE		INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
	DESIGNED: RWM	DRAWN: RWM	CHECKED: JMM	CHECKED: JMM		3/16" = 1'-0"	N/A
					TYPICAL SECTIONS S.R. 135 (LINE "A")	VERTICAL SCALE	DESIGNATION
						N/A	1801028
						SURVEY BOOK	SHEETS
						CONTRACT R-42600	PROJECT 1801028
							3 of 9

PHASE 2-

MAINTAIN TRAFFIC ON SR 135 USING EXISTING PAVEMENT.
CONSTRUCT WESTERN PORTION OF CULVERT.

CONSTRUCT PAVEMENT AND GRADING FOR SB LANES OF ATL
PROJECT AFTER PHASE 2 CULVERT CONSTRUCTION IS COMPLETE.

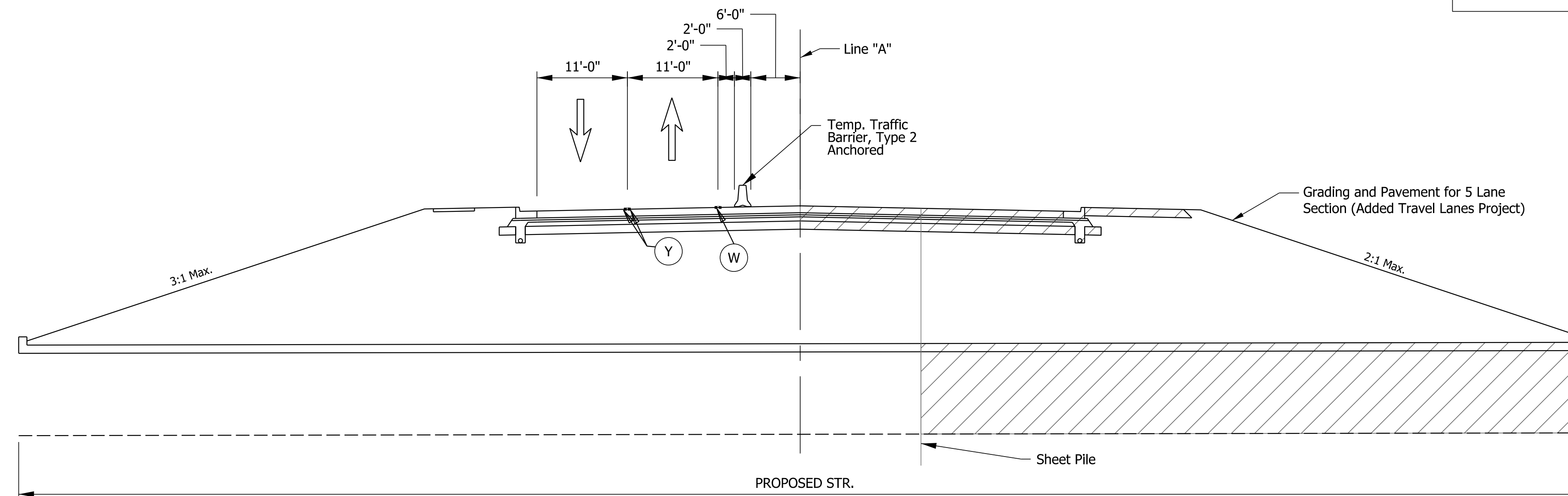


MOT PHASE 2 TYPICAL SECTION AT CULVERT

PHASE 3-

SHIFT TRAFFIC TO SB LANES OF ATL PROJECT. CONSTRUCT
EASTERN PORTION OF CULVERT.

CONSTRUCT PAVEMENT AND GRADING FOR NB LANES OF ATL
PROJECT AFTER PHASE 3 CULVERT CONSTRUCTION IS COMPLETE.



MOT PHASE 3 TYPICAL SECTION AT CULVERT

Note to Reviewer:
MOT Phasing for Culvert Construction to match
MOT Phasing for SR 135 Added Travel Lanes Project.

CONSTRUCTION ZONE DESIGN SPEED: 45 MPH
EXISTING POSTED SPEED LIMIT: 45 MPH
POSTED WORKSITE SPEED LIMIT: 35 MPH

Pht: 10/10/2023 1:58 PM

LEGEND

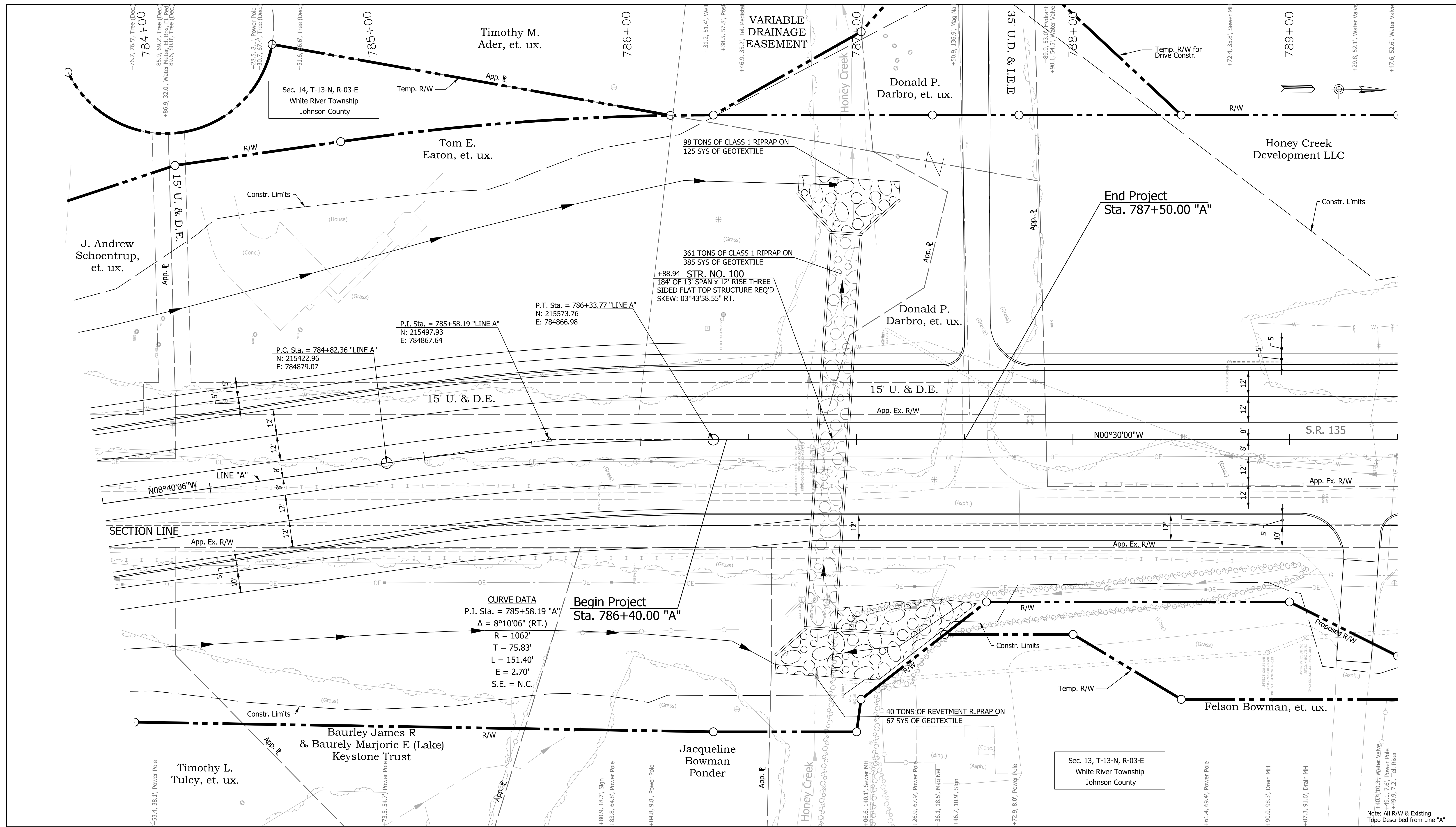
- PHASE 2 CONSTRUCTION
- PHASE 3 CONSTRUCTION
- TEMPORARY PAVEMENT MARKING, REMOVABLE, SOLID, YELLOW, 4 IN.
- TEMPORARY PAVEMENT MARKING, REMOVABLE, SOLID, WHITE, 4 IN.

File: Default

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE	
DESIGNED:	RWM	DRAWN:	RWM		
CHECKED:	JMM	CHECKED:	JMM		

INDIANA	
DEPARTMENT OF TRANSPORTATION	
MOT TYPICAL SECTIONS	
S.R. 135	

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1801028
SURVEY BOOK	SHEETS
	4 of 9
CONTRACT	PROJECT
R-42600	1801028



CURVE DATA
 P.I. Sta. = 785+58.19 "A"
 $\Delta = 8^{\circ}10'06"$ (RT.)
 R = 1062'
 T = 75.83'
 L = 151.40'
 E = 2.70'
 S.E. = N.C.

Begin Project
 Sta. 786+40.00 "A"

End Project
 Sta. 787+50.00 "A"

NOTE:
 SEE DES. 1800033 (ADDED TRAVEL LANES PROJECT) PLANS
 FOR PAVEMENT TREATMENT THROUGH PROJECT LIMITS.

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE	
DESIGNED:	RWM	DRAWN:	RWM		
CHECKED:	JMM	CHECKED:	JMM		

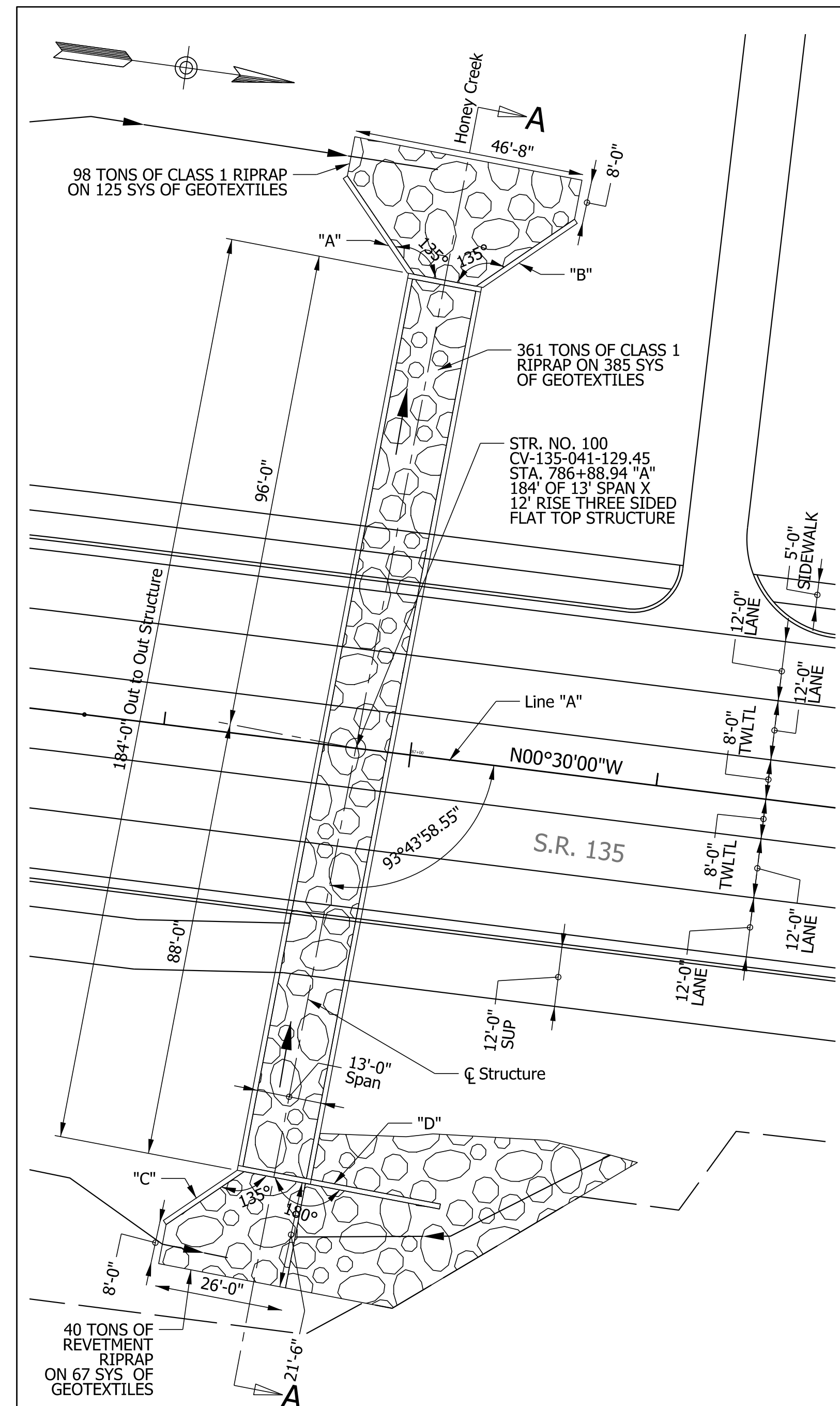
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN
S.R. 135
STA. 783+50 TO STA. 789+50 "A"

HORIZONTAL SCALE		BRIDGE FILE	
1" = 20'		N/A	
VERTICAL SCALE		DESIGNATION	
N/A		1801028	
SURVEY BOOK		SHEETS	
		5 of 9	
CONTRACT		PROJECT	
R-42600		1801028	

PLOT: 10/10/2023 1:58 PM

File: Default

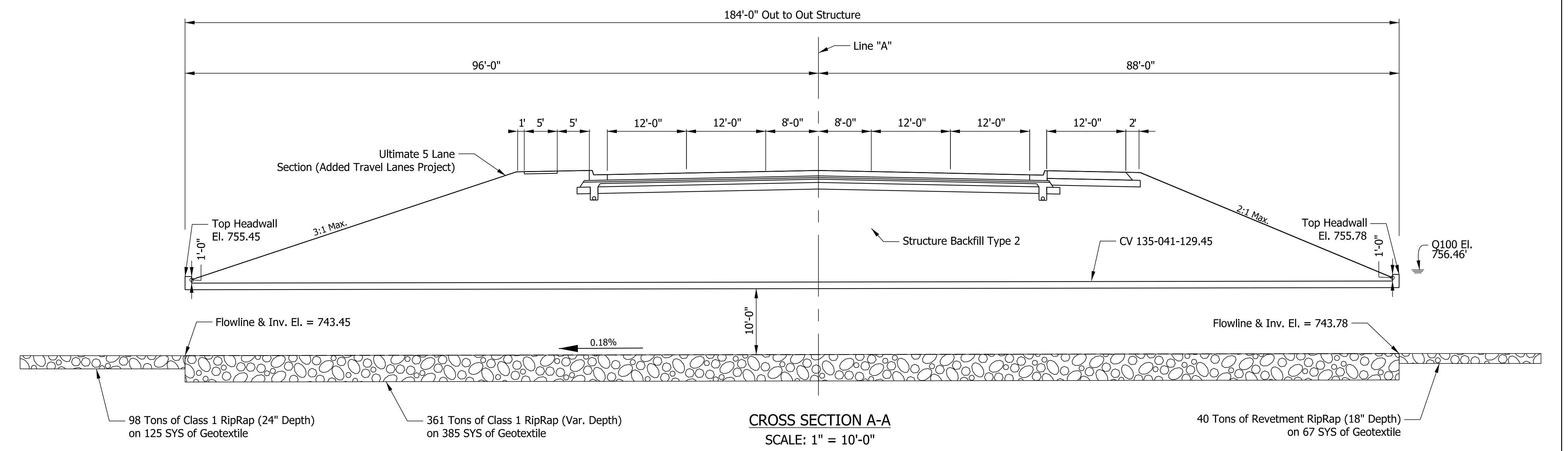


PLAN
SCALE: 1" = 20'-0"

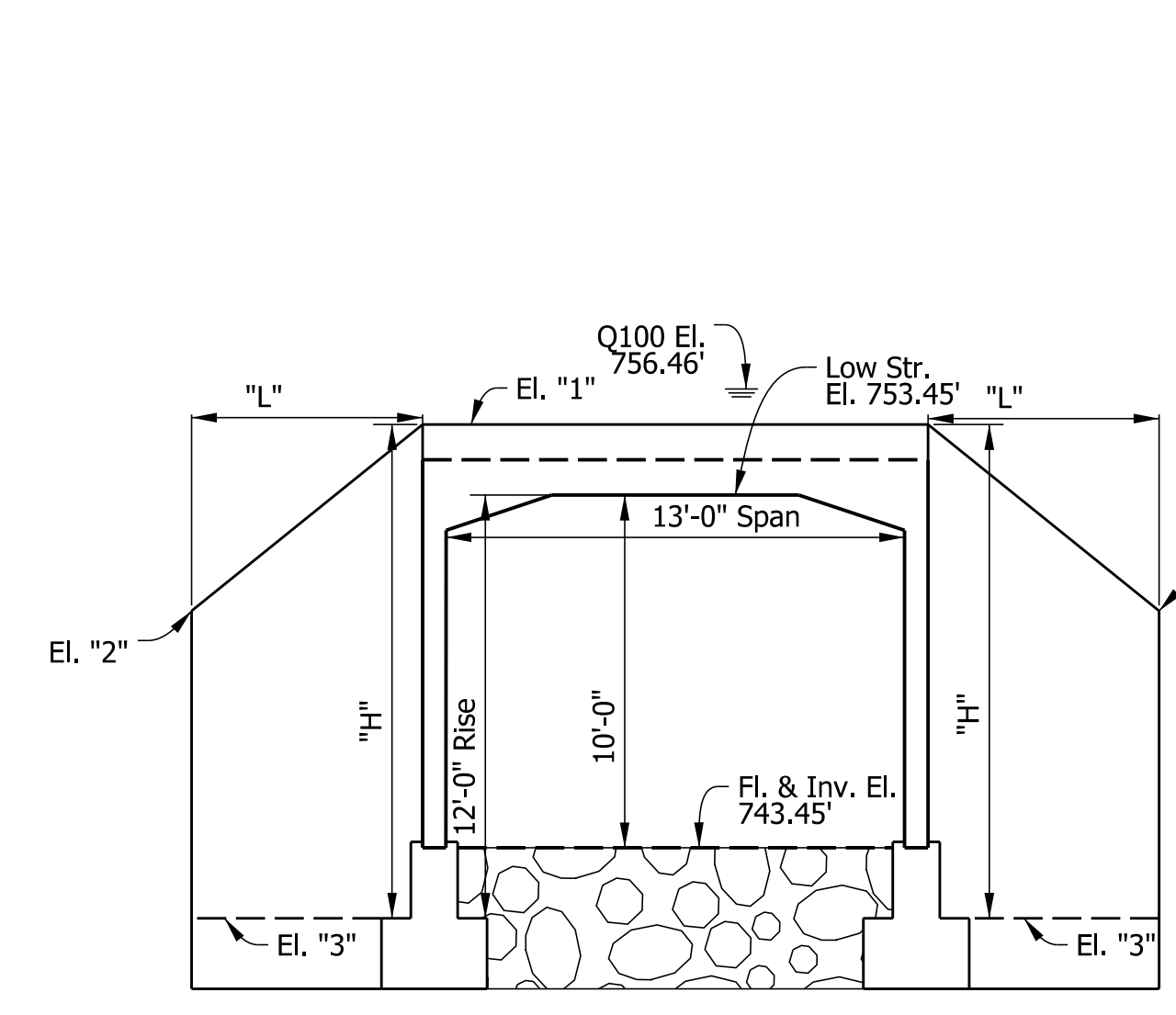
HYDRAULIC DATA TABLE

ITEM	UNIT	PROPOSED STRUCTURE
DRAINAGE AREA	Sq Mi	3.95
Q100 DISCHARGE	cfs	1,300
Q100 ELEVATION	ft	756.46
Q100 BACKWATER	ft	2.93
Q50 VELOCITY	ft/sec	9.12
WATERWAY OPENING BELOW Q100	Sft	126.89
MIN. LOW STR. ELEV.	ft	753.45
ROADWAY OVERFLOW-Q100	Sft	0

NOTE TO REVIEWER:
1. Geotechnical Information to be provided when available.



CROSS SECTION A-A
SCALE: 1" = 10'-0"

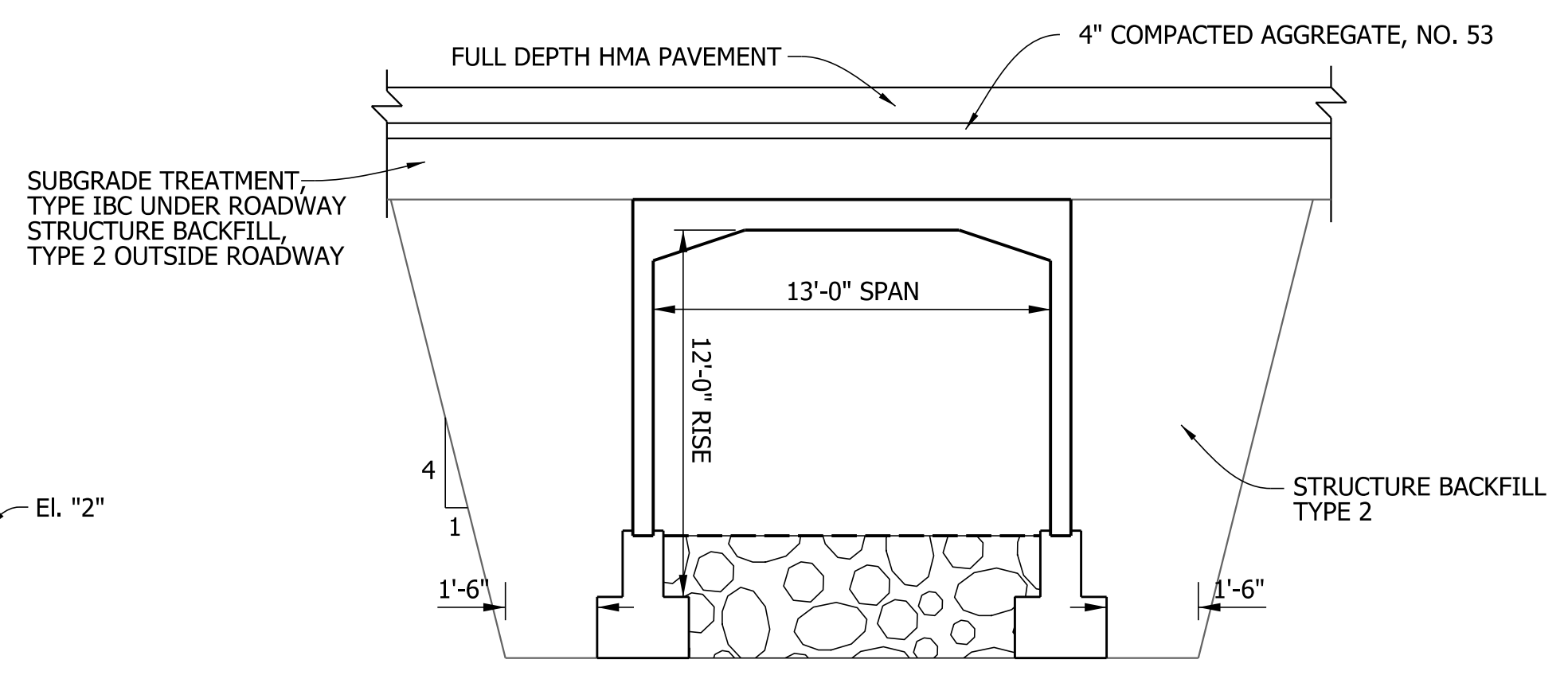


ELEVATION
SCALE: 1" = 5'-0"

Note to Reviewer:
The 13' span x 12' rise three-sided structure includes a precast 13' span x 10' rise precast three-sided structure with 2' pedestals. Per INDOT Standard Specification 723.18, the pedestals are included in the cost of the structure.

WINGWALL INFORMATION

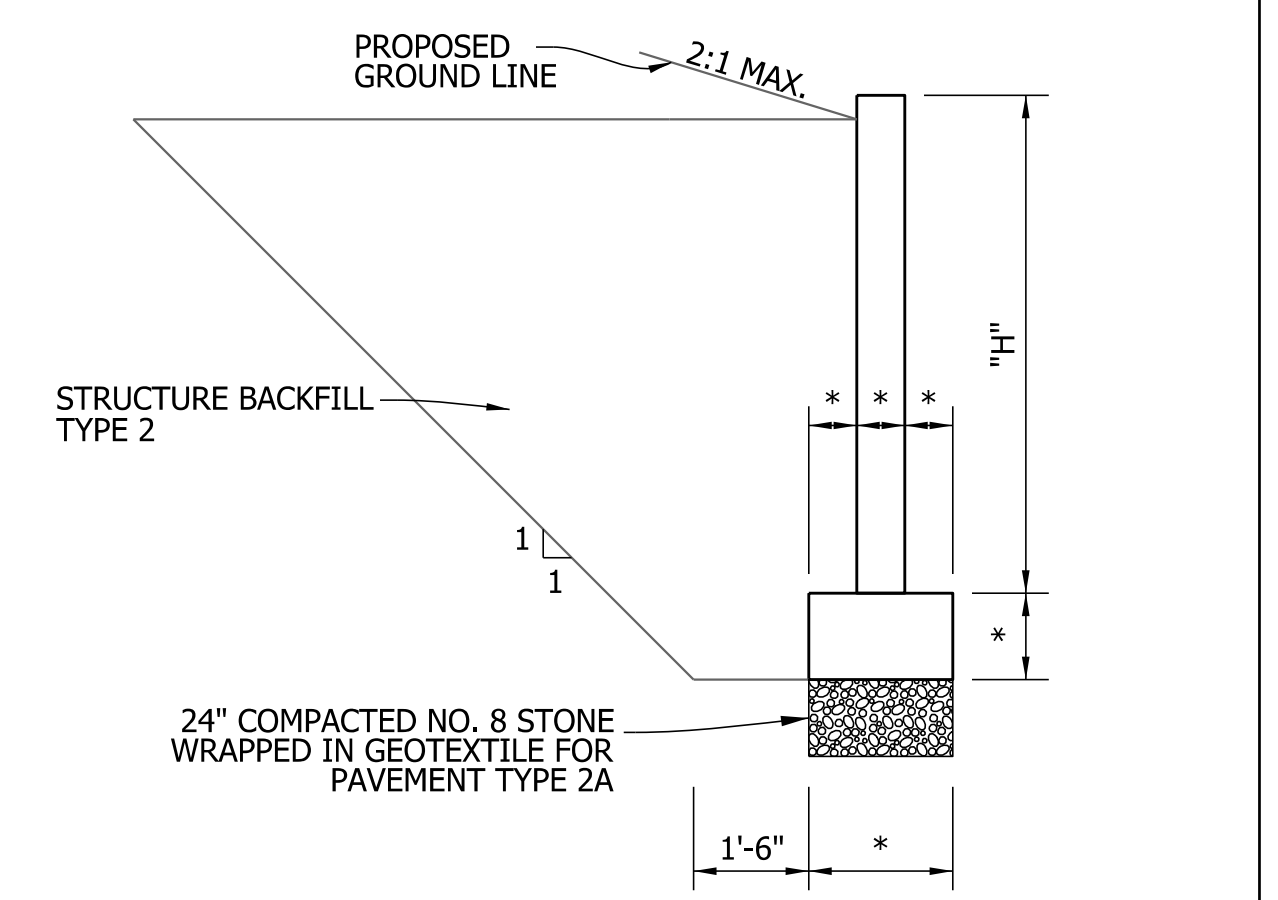
ELEVATION	WING "A"	WING "B"	WING "C"	WING "D"
1	755.45	755.45	755.78	755.78
2	750.90	750.90	749.33	755.78
3	741.45	741.45	741.78	741.78
DIMENSION				
L	24'-0"	24'-0"	19'-0"	27'-6"
H	14'-0"	14'-0"	14'-0"	14'-0"
AREA	281.4 SFT.	281.4 SFT.	204.7 SFT.	385.0 SFT.



TYPICAL STRUCTURE SECTION
SCALE: 1" = 5'-0"

GEOTECHNICAL DATA

PARAMETER	VALUE
MINIMUM BOTTOM OF FOOTING ELEVATION	± xxx
NOMINAL BEARING RESISTANCE, Q _n	X ksf
BEARING RESISTANCE FACTOR, φ	X
FACTORED BEARING RESISTANCE, Q _r	X ksf
FRICTION ANGLE OF FOUNDATION SOIL, φ	X°
FRICTION ANGLE BETWEEN FOOTING AND FOUNDATION SOILS, δ	X°
FRICTION FACTOR, TAN δ	X
NOMINAL COHESION OF FOUNDATION ROCK, C _i	X ksf
NOMINAL COHESION BETWEEN FOOTINGS AND FOUNDATION ROCK, C _a	X ksf
FRICTION ANGLE OF BACKFILL MATERIAL	X°
FRICTION ANGLE BETWEEN WALL AND BACKFILL, δ _f	X°
TOTAL UNIT WEIGHT OF FOUNDATION SOIL	X pcf
UNIT WEIGHT OF BACKFILL MATERIAL	X pcf



TYPICAL WING ELEVATION
N.T.S.

NOTES

* - INDICATES DIMENSIONS TO BE DETERMINED BY THE PRECAST MANUFACTURER.
ONE ALTERNATE MAY BE SUBSTITUTED FOR THE PROPOSED STRUCTURE: A 14' SPAN x 12' RISE THREE SIDED ARCH TOP CONCRETE STRUCTURE.

PRECAST CULVERT THREE-SIDED FLAT TOP
13'-0" SPAN x 12'-0" RISE
STA. 786+88.94 LINE "A"
SKEW: 03°43'58.55" RT.

Plot: 10/10/2023 1:58 PM

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

INDIANA
DEPARTMENT OF TRANSPORTATION

PRECAST CULVERT DETAILS
STRUCTURE CV-135-041-129.45

HORIZONTAL SCALE	BRIDGE FILE
AS NOTED	N/A
VERTICAL SCALE	DESIGNATION
AS NOTED	1801028
SURVEY BOOK	SHEETS
	7 of 9
CONTRACT	PROJECT
R-42600	1801028

