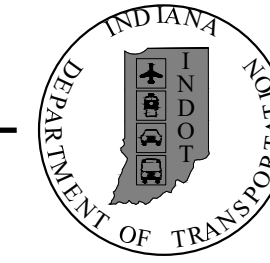


# INDIANA DEPARTMENT OF TRANSPORTATION



## ROAD PLANS S.R. 32 PASSING LANE PROJECT NO. 1800060 P.E. PROJECT NO. 1800060 R/W PROJECT NO. 1800060 CONST.

**NOTE TO REVIEWER:**  
TOPOGRAPHIC SURVEY WAS PERFORMED BY TWO SEPARATE SURVEYORS, TO REDUCE COSTS, THE GAP WAS CREATED. HOWEVER TEMPORARY BENCH MARKS WERE ESTABLISHED TO LOCATE BOTH STATION RANGES.

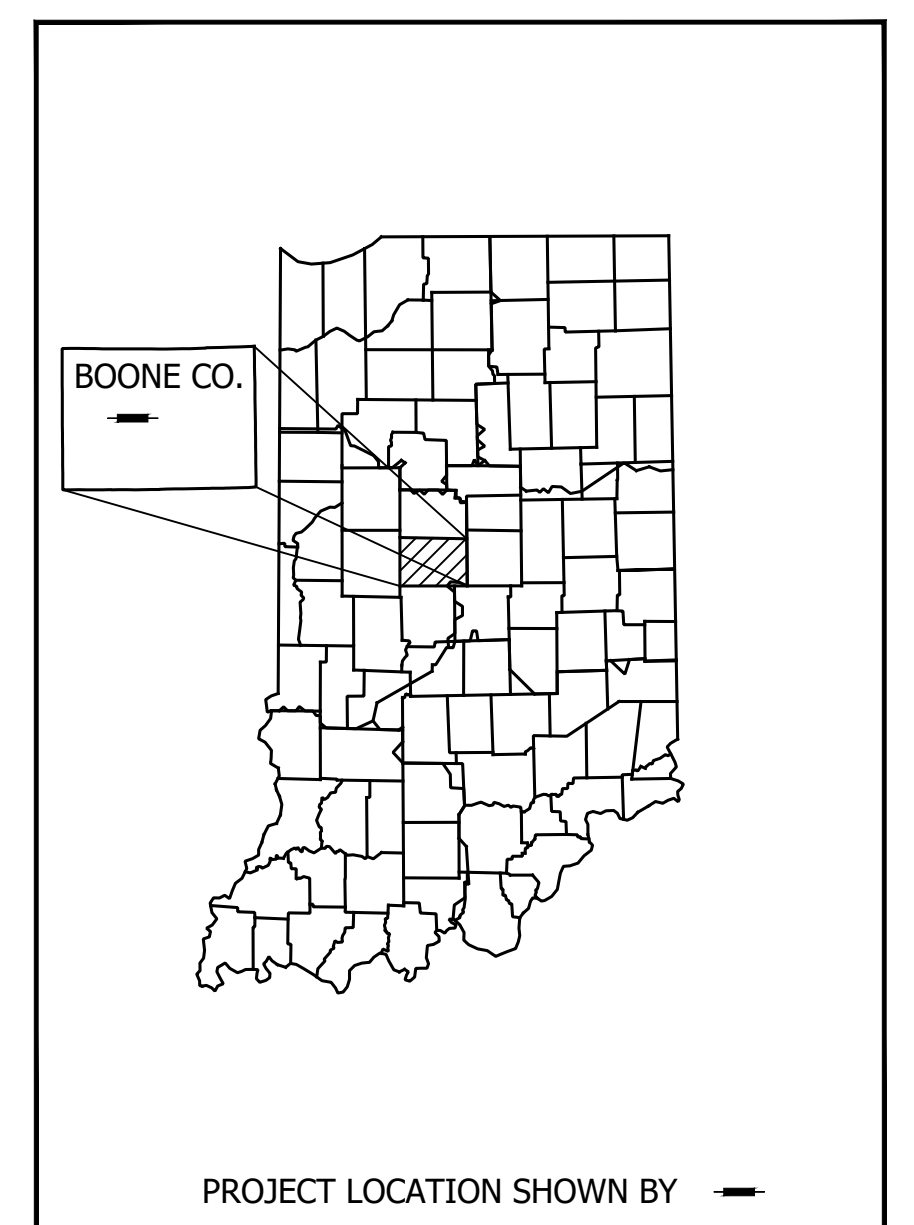
|          |             |
|----------|-------------|
| PROJECT  | DESIGNATION |
| 1800060  | 1800060     |
| CONTRACT | BRIDGE FILE |
| R-42253  | N/A         |

| CULVERT ASSETS |                  |                             |
|----------------|------------------|-----------------------------|
| DES. NO.       | CULVERT ASSET ID | WORK TYPE                   |
| 2201187        | CV 032-006-49.04 | Small Structure Replacement |
| 2201188        | CV 032-006-49.65 | Small Structure Replacement |
| 2201189        | CV 032-006-51.06 | Small Structure Replacement |
| 2201190        | CV 032-006-51.79 | Small Structure Replacement |
| 2201191        | CV 032-006-51.88 | Small Structure Replacement |
| 2201192        | CV 032-006-53.02 | Small Structure Replacement |
| 2201193        | CV 032-006-53.38 | Small Structure Replacement |
| 2201194        | CV 032-006-53.63 | Small Structure Replacement |

| KIN PROJECT INFORMATION |  |
|-------------------------|--|
| DESIGNATION             | PROJECT DESCRIPTION  |
| 2201187                 | CV 032-006-49.04 - 3' x 2' Box, Small Structure Replacement  |
| 2201188                 | CV 032-006-49.65 - 4' x 3' Box, Small Structure Replacement  |
| 2201189                 | CV 032-006-51.06 - 4' x 2' Box, Small Structure Replacement  |
| 2201190                 | CV 032-006-51.79 - 5' x 3' Box, Small Structure Replacement  |
| 2201191                 | CV 032-006-51.88 - 5' x 3' Box, Small Structure Replacement  |
| 2201192                 | CV 032-006-53.02 - 8' x 4' Box, Small Structure Replacement  |
| 2201193                 | CV 032-006-53.38 - 10' x 5' Box, Small Structure Replacement |
| 2201194                 | CV 032-006-53.63 - 7' x 4' Box, Small Structure Replacement  |

| TRAFFIC DATA S.R. 32 (PASSING LANES) |                                    |
|--------------------------------------|------------------------------------|
| A.A.D.T. (2024)                      | 7,725 V.P.D.                       |
| A.A.D.T. (2044)                      | 8,561 V.P.D.                       |
| D.H.V (2044)                         | 756 V.P.H.                         |
| DIRECTIONAL DISTRIBUTION             | 48.72 %                            |
| TRUCKS                               | 22.86 % A.A.D.T.<br>16.04 % D.H.V. |

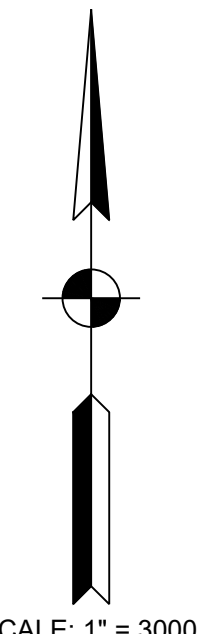
| TRAFFIC DATA S.R. 32 (OVERLAY) |                                    |
|--------------------------------|------------------------------------|
| A.A.D.T. (2024)                | 9,595 V.P.D.                       |
| A.A.D.T. (2044)                | 10,825 V.P.D.                      |
| D.H.V (2044)                   | 987 V.P.H.                         |
| DIRECTIONAL DISTRIBUTION       | 49.09 %                            |
| TRUCKS                         | 23.22 % A.A.D.T.<br>16.20 % D.H.V. |



**PROJECT LOCATION SHOWN BY**

BEGIN: LATITUDE: 40° 03' 17" N LONGITUDE: 86° 41' 20" W  
END: LATITUDE: 40° 03' 14" N LONGITUDE: 86° 31' 49" W

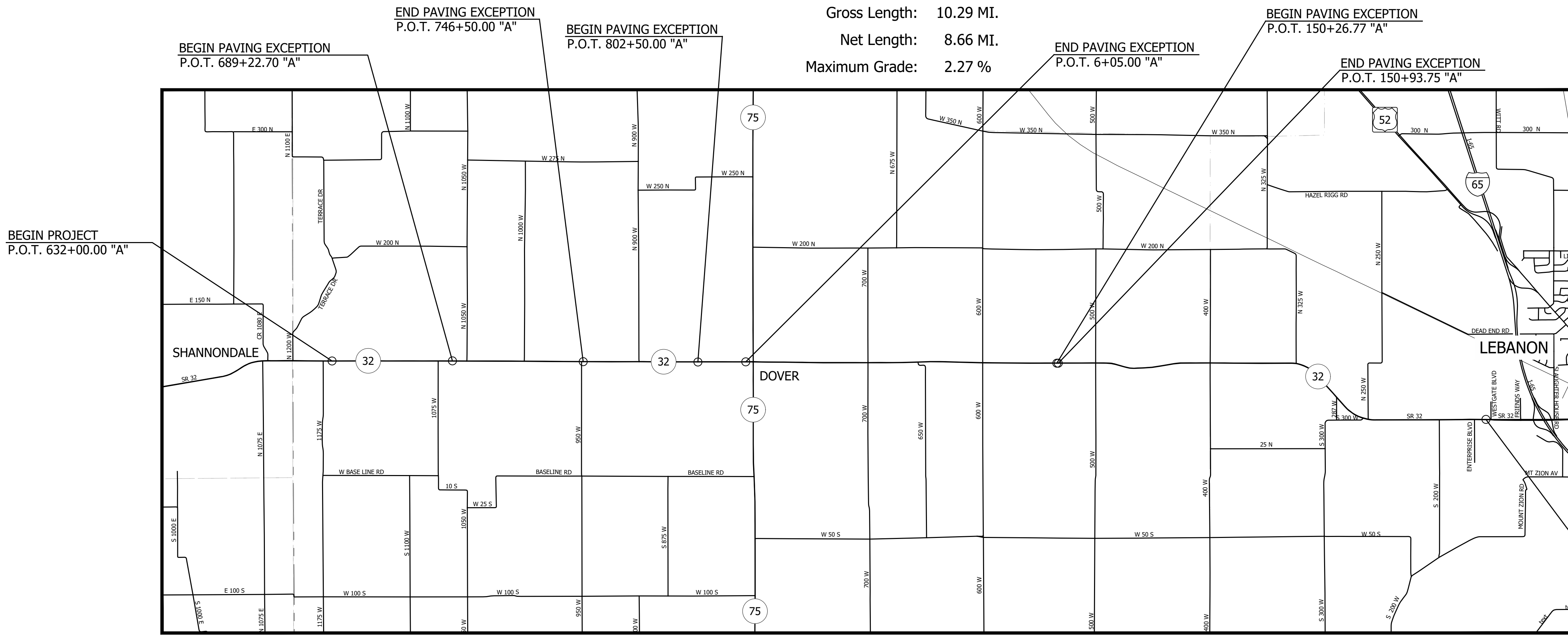
HUC: 051201100301  
HUC: 051201100403  
HUC: 051201100402  
HUC: 051201100401



SCALE: 1" = 3000'  
INDIANA DEPARTMENT OF TRANSPORTATION  
STANDARD SPECIFICATIONS DATED 2022  
TO BE USED WITH THESE PLANS.

Minor Structural Overlay with added Passing Lanes along S.R. 32, Located from (RP 48+74) 3.69 miles West of S.R. 75 to (RP 59+00) 0.5 miles West of I-65, in Sections 25, 26, 27, 28, 29, & 30, Township 19 North, Range 2 West, and Sections 28, 29 and 30, Township 19 N, Range 1 West, in Jefferson Township, Boone County, Indiana.

Gross Length: 10.29 MI.  
Net Length: 8.66 MI.  
Maximum Grade: 2.27 %



LOCATION MAP  
BOONE COUNTY, INDIANA

PRINT DATE: 4/7/23  
PLOT SCALE: 1:1  
EDIT DATE: 7/12/11 - 10:31 AM  
DRAWING FILE: P:\20-500-165-1 SR 32 PASSING LANES\5 ACAD\01 TITLE\RD-TITLE-SR32 PASS.DWG  
EDITED BY: MMURRAY

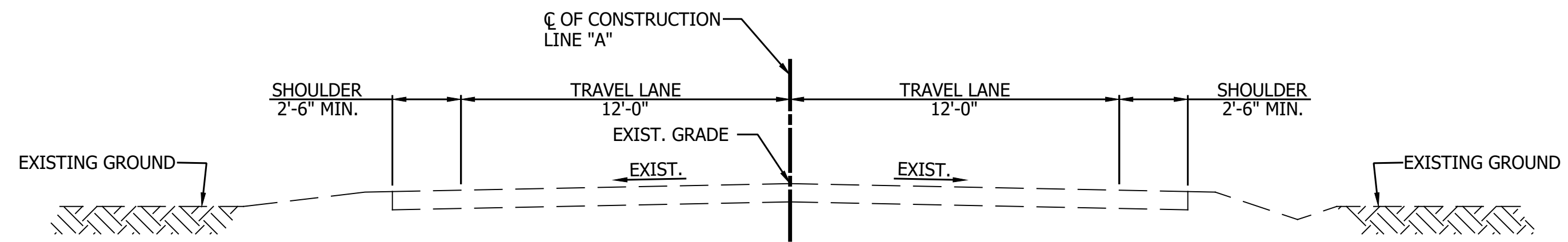
**RQAW**  
INTENTIONAL INNOVATION

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

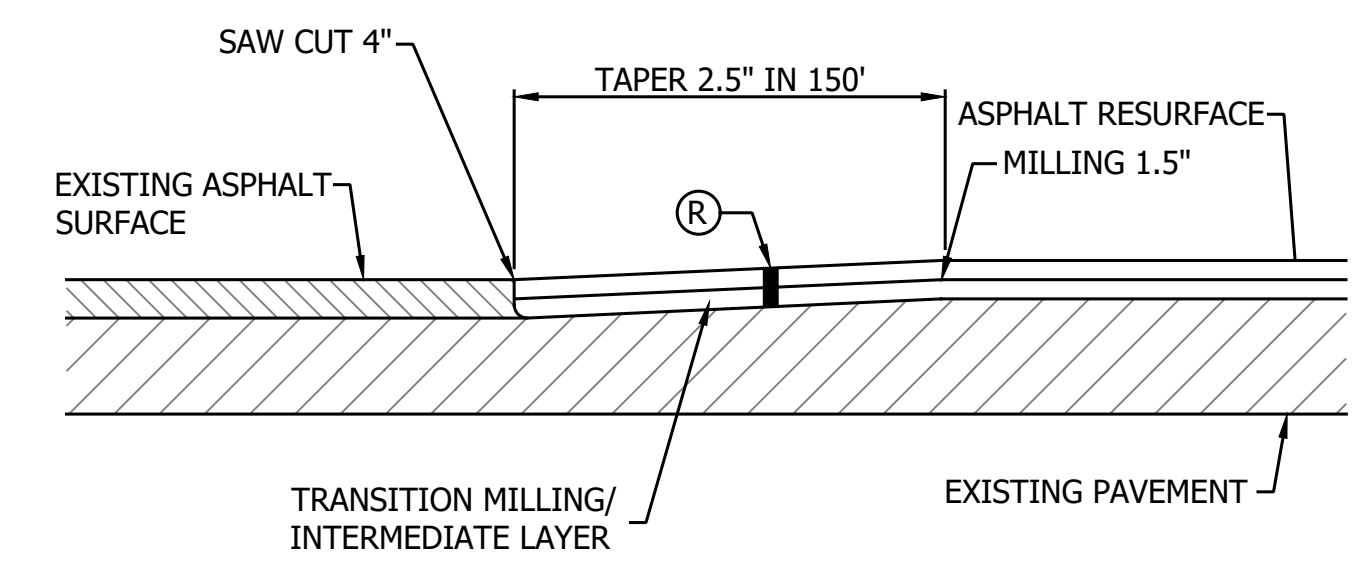
|                       |                                      |              |
|-----------------------|--------------------------------------|--------------|
| PLANS PREPARED BY:    | RQAW Corporation                     | 317-588-1798 |
|                       |                                   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

|             |          |
|-------------|----------|
| SURVEY BOOK | SHEET    |
| CONTRACT    | 1 of 173 |
| R-42253     | PROJECT  |
|             | 1800060  |

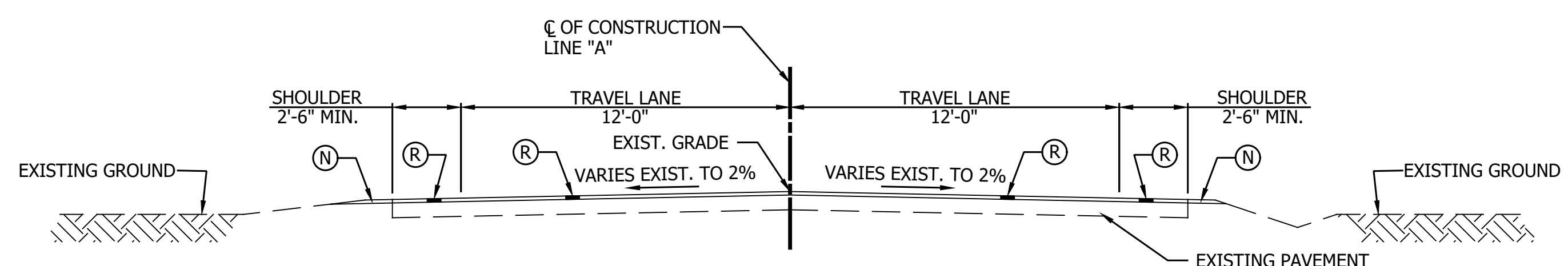




**EXISTING S.R. 32 TYPICAL SECTION**  
 STA. 632+00.00 TO STA. 686+22.00 "A"  
 STA. 748+00.00 TO STA. 801+00.00 "A"  
 STA. 7+55.00 TO STA. 358+28.74 "A"



**TYPICAL FEATHERING DETAIL**



**S.R. 32 TYPICAL SECTION - INCIDENTAL CONSTRUCTION**  
 STA. 630+50.00 TO STA. 632+00.00 "A"  
 STA. 686+22.00 TO STA. 689+22.70 "A"  
 STA. 746+50.00 TO STA. 748+00.00 "A"  
 STA. 801+00.00 TO STA. 802+50.00 "A"  
 STA. 6+05.00 TO STA. 7+55.00 "A"

PRINT DATE: 4/7/23  
 PLOT SCALE: 1:1  
 EDIT DATE: 7/12/11 - 3:30 PM  
 EDITED BY: MMURRAY  
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**LEGEND**

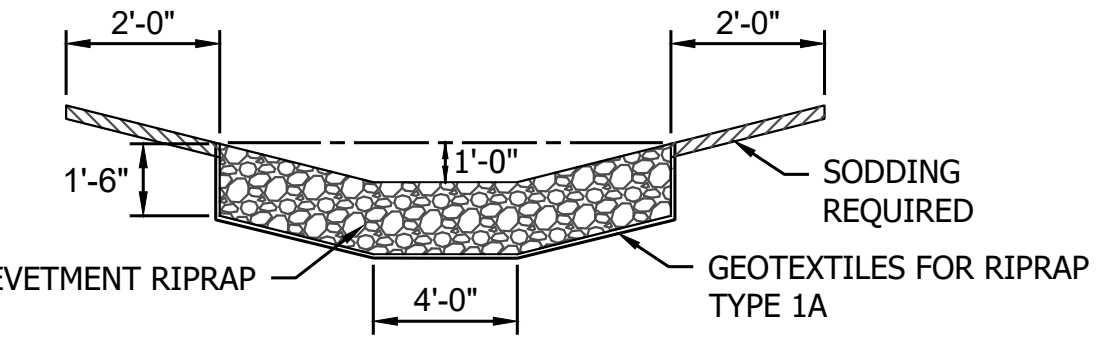
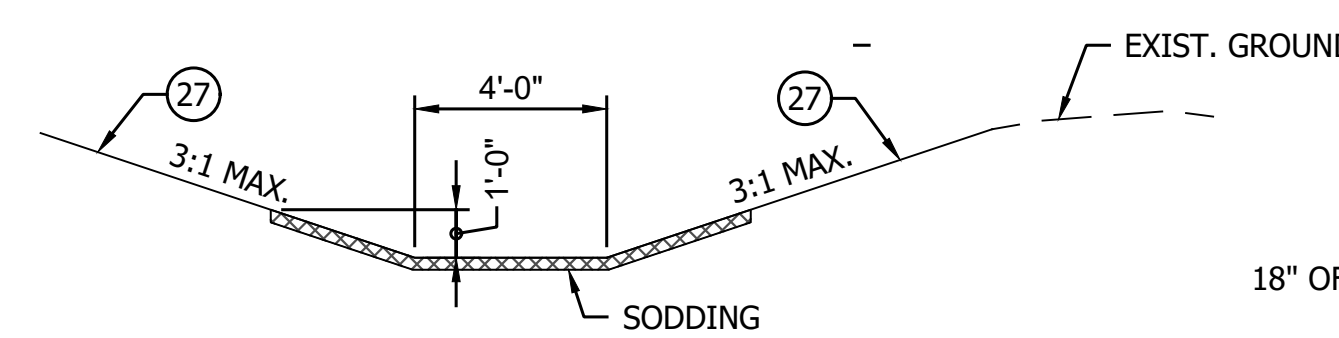
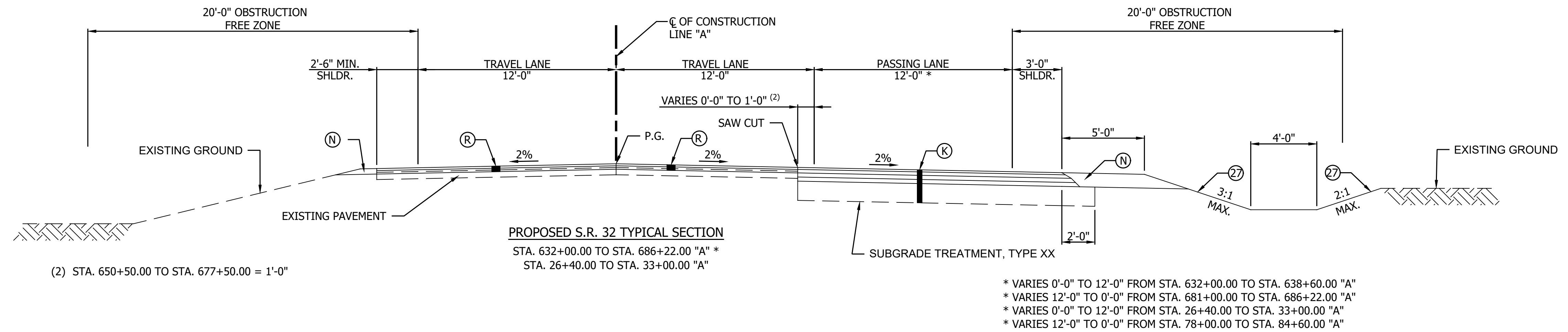
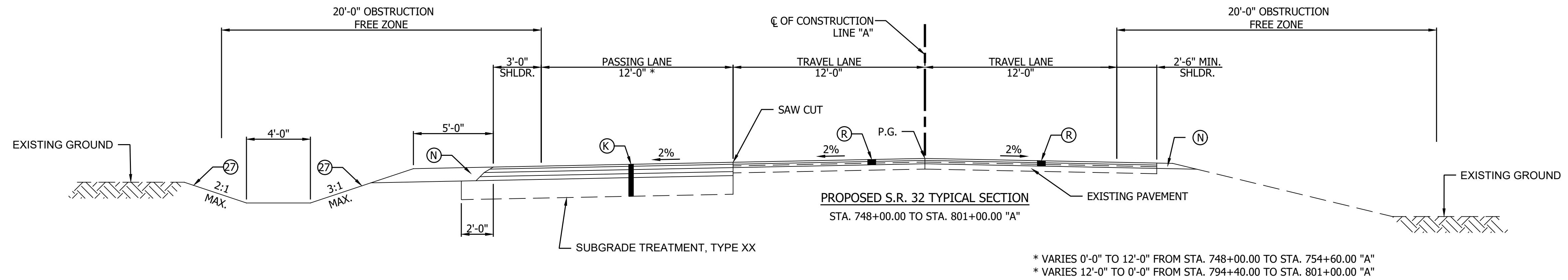
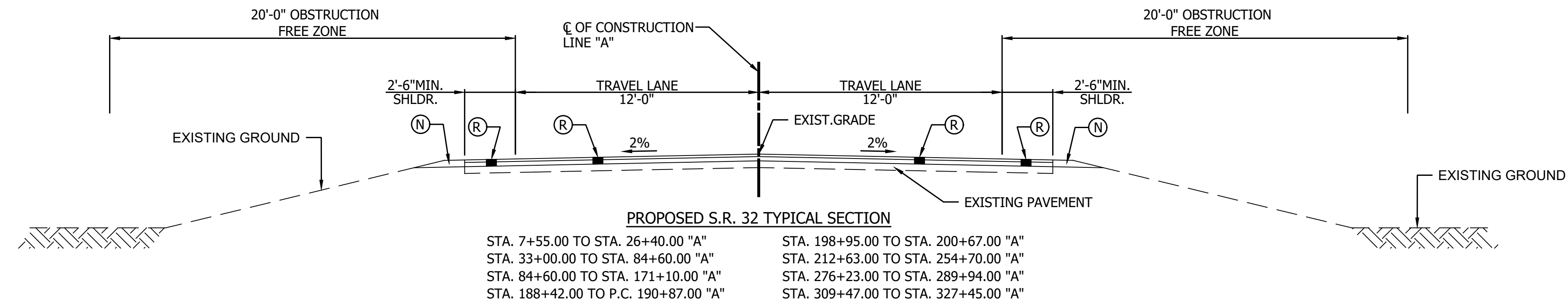
- (K) 165 lb/SYS QC/QA HMA Pavement, 3, 70, Surface 9.5 mm on 275 lb/SYS QC/QA HMA Pavement, 3, 70, Intermediate 19 mm on 880 lb/SYS QC/QA HMA Pavement, 3, 64, Base 19 mm (2 Lifts) on 6 in. Compacted Aggregate, No. 53 on Geotextile for Pavement, Type 1B on Subgrade Treatment, Type XX
- (R) Mill Profile 1.5"  
 165 lb/SYS QC/QA HMA 3, 70, Surface 9.5 mm on 275 lb/SYS QC/QA HMA 3, 70, Intermediate 19 mm
- (N) Compacted Aggregate, No. 53
- (Z) Seed Mixture, R
- (R1) Mill Profile 1.5"  
 165 lb/SYS QC/QA HMA 3, 70, Surface 9.5 mm

|                                |              |                                  |  |
|--------------------------------|--------------|----------------------------------|--|
| RECOMMENDED FOR APPROVAL _____ |              | DESIGN ENGINEER _____ DATE _____ |  |
| DESIGNED: KRJ                  | DRAWN: KRJ   |                                  |  |
| CHECKED: RDS                   | CHECKED: RDS |                                  |  |

**INDIANA DEPARTMENT OF TRANSPORTATION**

**TYPICAL CROSS SECTIONS SR 32**

|                  |             |
|------------------|-------------|
| HORIZONTAL SCALE | BRIDGE FILE |
| 1/4" = 1'-0"     |             |
| VERTICAL SCALE   | DESIGNATION |
|                  | 1800060     |
| SURVEY BOOK      | SHEET       |
|                  | 3 of 173    |
| CONTRACT         | PROJECT     |
| R-42253          | 1800060     |



**LEGEND**

- (K) 165 lb/SYS QC/QA HMA Pavement, 3, 70, Surface 9.5 mm on 275 lb/SYS QC/QA HMA Pavement, 3, 70, Intermediate 19 mm on 880 lb/SYS QC/QA HMA Pavement, 3, 64, Base 19 mm (2 Lifts) on 6 in. Compacted Aggregate, No. 53 on Geotextile for Pavement, Type 1B on Subgrade Treatment, Type XX
- (R) Mill Profile 1.5" 165 lb/SYS QC/QA HMA 3, 70, Surface 9.5 mm on 275 lb/SYS QC/QA HMA 3, 70, Intermediate 19 mm
- (N) Compacted Aggregate, No. 53
- (27) Seed Mixture, R
- (R1) Mill Profile 1.5" 165 lb/SYS QC/QA HMA 3, 70, Surface 9.5 mm

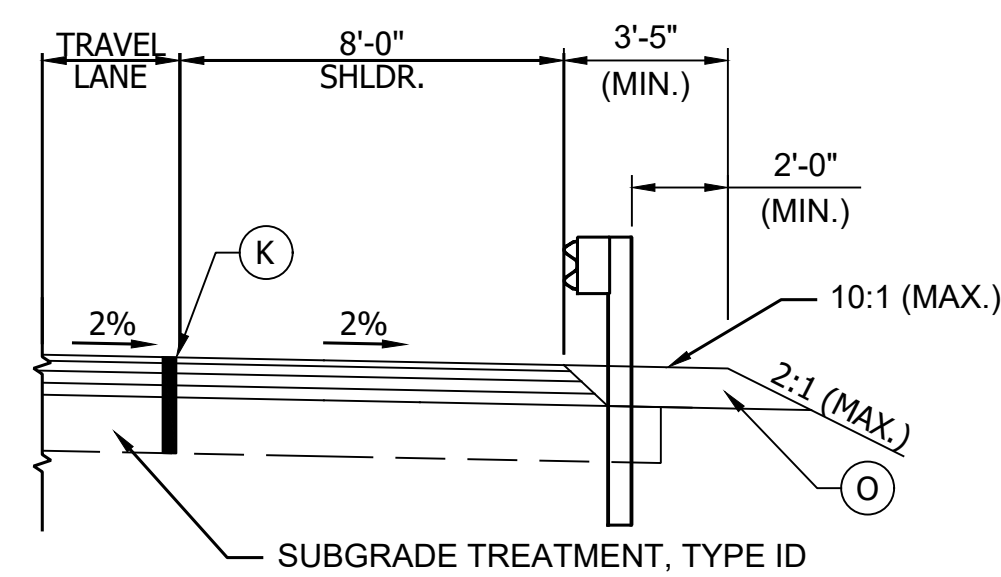
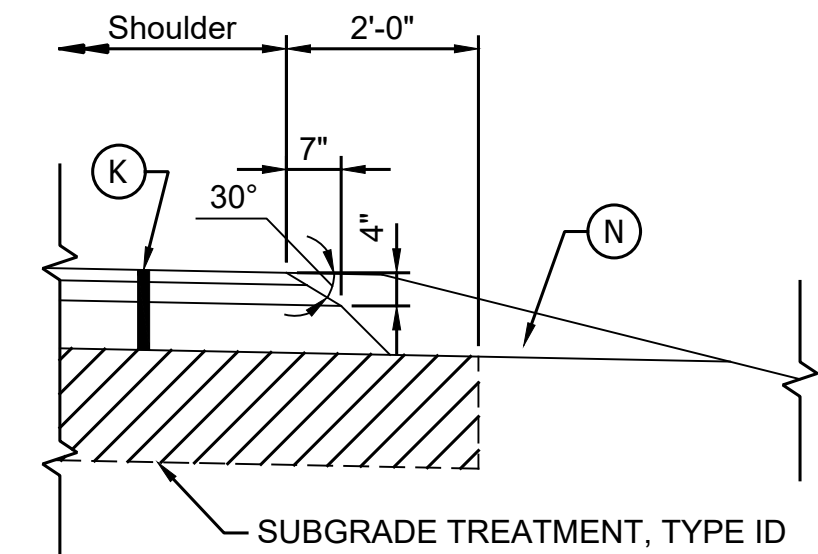
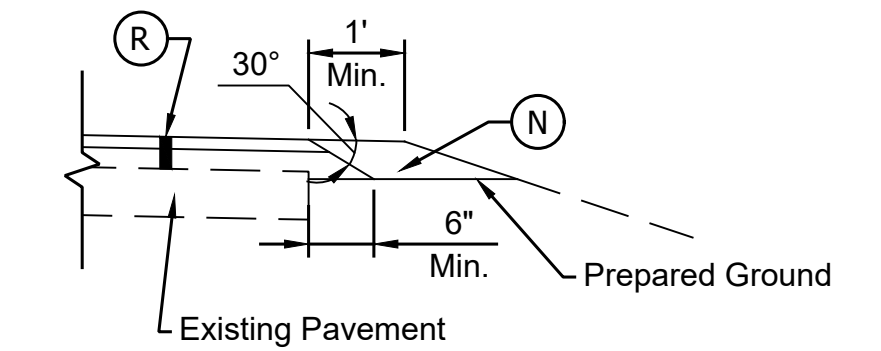
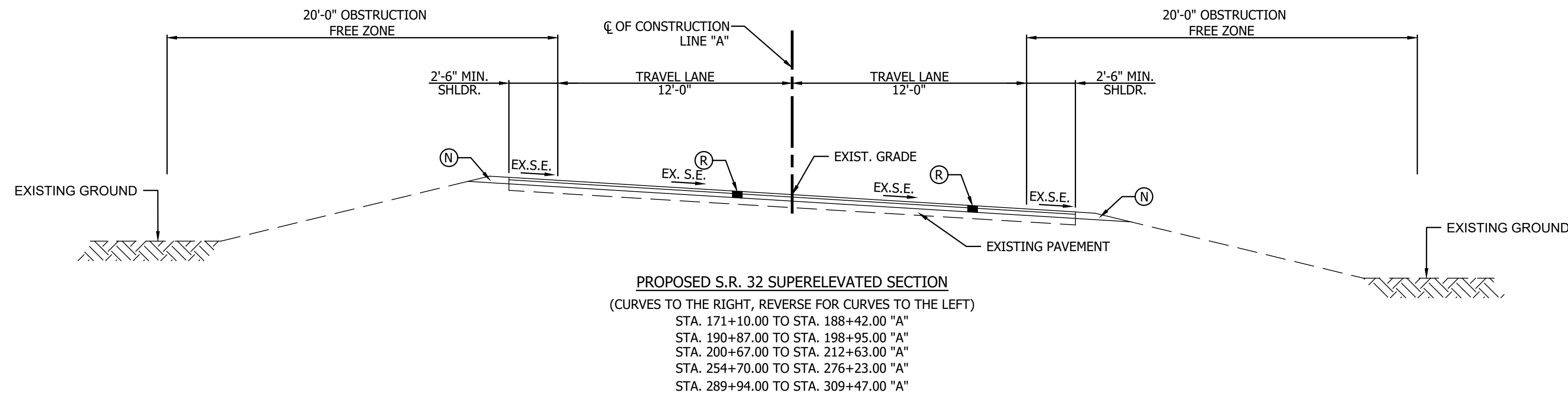
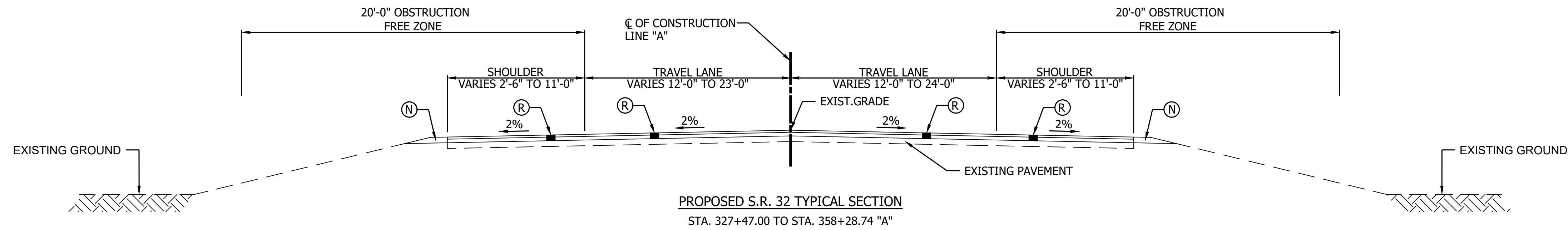
RECOMMENDED FOR APPROVAL \_\_\_\_\_ DESIGN ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

DESIGNED: KRJ \_\_\_\_\_ DRAWN: KRJ \_\_\_\_\_  
 CHECKED: RDS \_\_\_\_\_ CHECKED: RDS \_\_\_\_\_

INDIANA DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS SR 32

|                  |             |
|------------------|-------------|
| HORIZONTAL SCALE | BRIDGE FILE |
| 1/4" = 1'-0"     |             |
| VERTICAL SCALE   | DESIGNATION |
|                  | 1800060     |
| SURVEY BOOK      | SHEET       |
|                  | 4 of 173    |
| CONTRACT         | PROJECT     |
| R-42253          | 1800060     |



GUARDRAIL TYPICAL SECTION  
SCALE: 1/4" = 1'  
STA. 40+43.41 TO STA. 42+20.74 "A"  
STA. 59+96.73 TO STA. 61+73.86 "A"  
STA. 72+43.20 TO STA. 73+14.27 "A"

NOTE:  
CONTRACTOR SHALL RAISE EXISTING GRADE 2.5"  
THROUGHOUT THE PROJECT. PROPOSED PROFILE SHOWN ON  
SHEET NUMBERS 30 TO 68 IS FOR INFORMATION ONLY.

PRINT DATE: 4/7/23  
PLOT SCALE: 1:1  
EDIT DATE: 7/12/11 - 3:30 PM  
EDITED BY: MMURRAY  
DRAWING FILE: P:\20-500-165-1 SR 32 PASSING LANES\5 ACAD\03 TYPICAL\IND-TYPICAL-SR 32 PASS.DWG

LEGEND

- (K) 165 lb/SYS QC/QA HMA Pavement, 3, 70, Surface 9.5 mm on 275 lb/SYS QC/QA HMA Pavement, 3, 70, Intermediate 19 mm on 880 lb/SYS QC/QA HMA Pavement, 3, 64, Base 19 mm (2 Lifts) on 6 in. Compacted Aggregate, No. 53 on Geotextile for Pavement, Type 1B on Subgrade Treatment, Type XX
- (R) Mill Profile 1.5" 165 lb/SYS QC/QA HMA 3, 70, Surface 9.5 mm on 275 lb/SYS QC/QA HMA 3, 70, Intermediate 19 mm
- (N) Compacted Aggregate, No. 53
- (S) Seed Mixture, R
- (M) Mill Profile 1.5" 165 lb/SYS QC/QA HMA 3, 70, Surface 9.5 mm

RECOMMENDED FOR APPROVAL \_\_\_\_\_  
DESIGN ENGINEER DATE

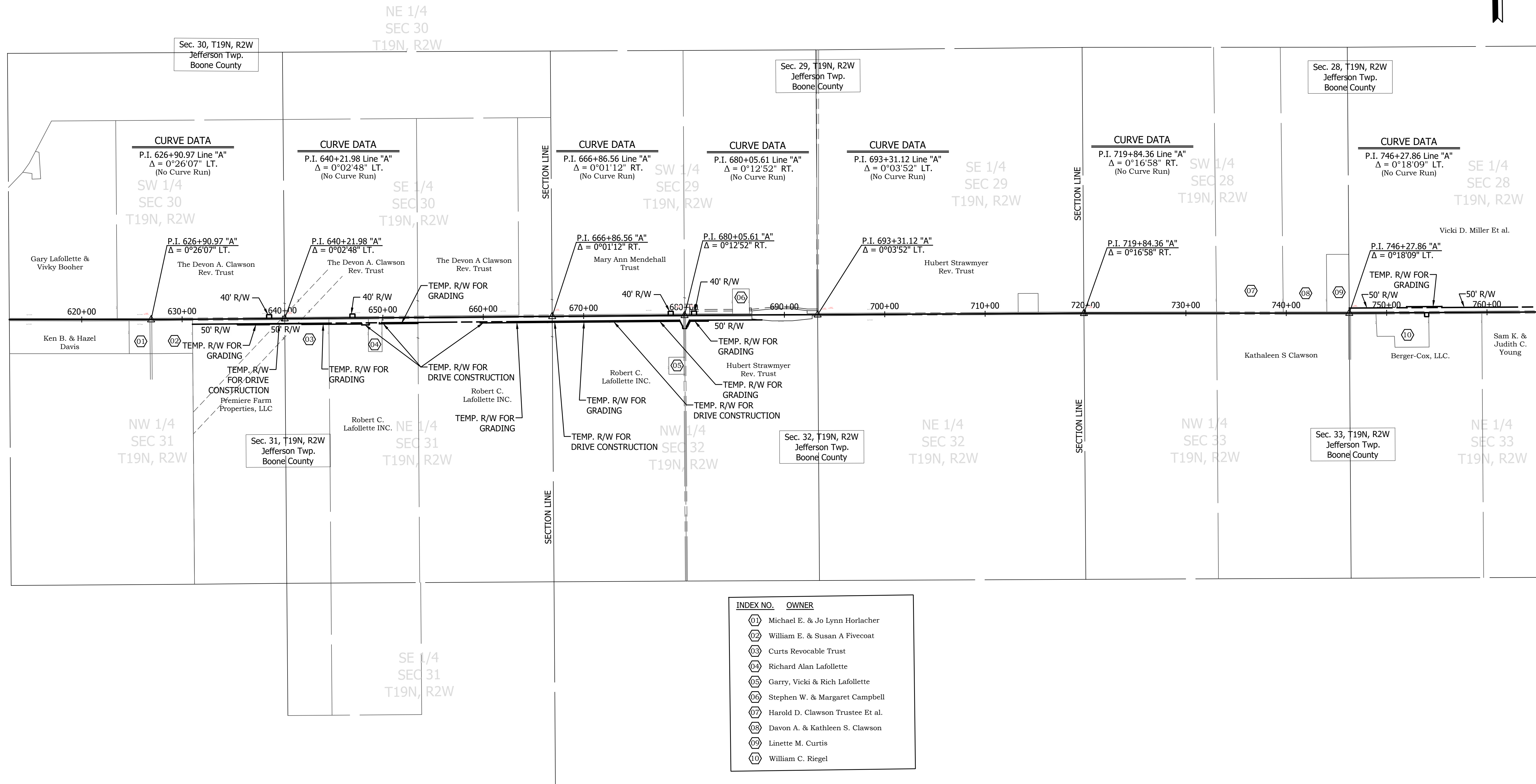
DESIGNED: KRU DRAWN: KRU

CHECKED: RDS CHECKED: RDS

INDIANA  
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS  
SR 32

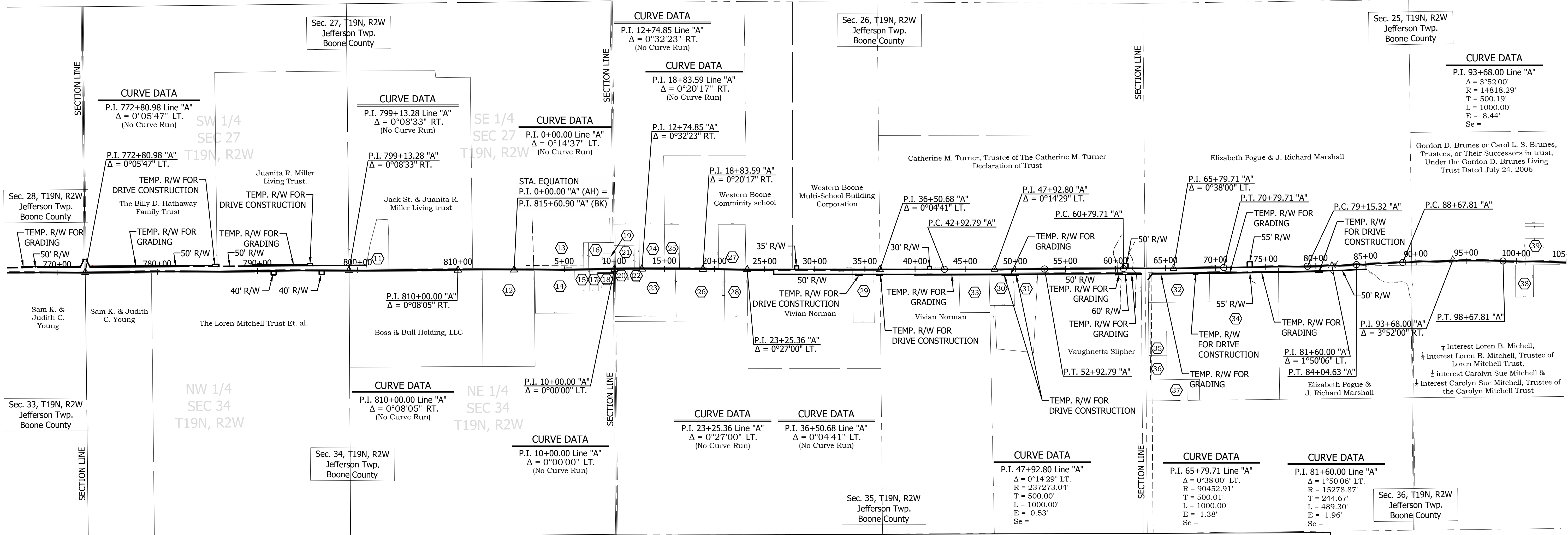
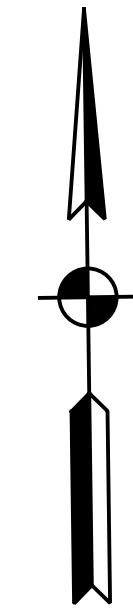
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| HORIZONTAL SCALE | BRIDGE FILE |
| 1/4" = 1'-0"     |             |
| VERTICAL SCALE   | DESIGNATION |
|                  | 1800060     |
| SURVEY BOOK      | SHEET       |
|                  | 5 of 173    |
| CONTRACT         | PROJECT     |
| R-42253          | 1800060     |



| INDEX NO. | OWNER                            |
|-----------|----------------------------------|
| 01        | Michael E. & Jo Lynn Horlacher   |
| 02        | William E. & Susan A Fivecoat    |
| 03        | Curts Revocable Trust            |
| 04        | Richard Alan Lafollette          |
| 05        | Garry, Vicki & Rich Lafollette   |
| 06        | Stephen W. & Margaret Campbell   |
| 07        | Harold D. Clawson Trustee Et al. |
| 08        | Davon A. & Kathleen S. Clawson   |
| 09        | Linette M. Curtis                |
| 10        | William C. Riegel                |

PRINT DATE: 4/7/23  
 PLOT SCALE: 1:1  
 DRAWING FILE: P:\20-500-165-1 SR 32 PASSING LANES\5 ACAD\04 PLAT LIGHT PLAT1 SR 32\_OLD.DWG  
 EDIT DATE: 3/13/23 - 9:39 AM  
 EDITED BY: MMURRAY

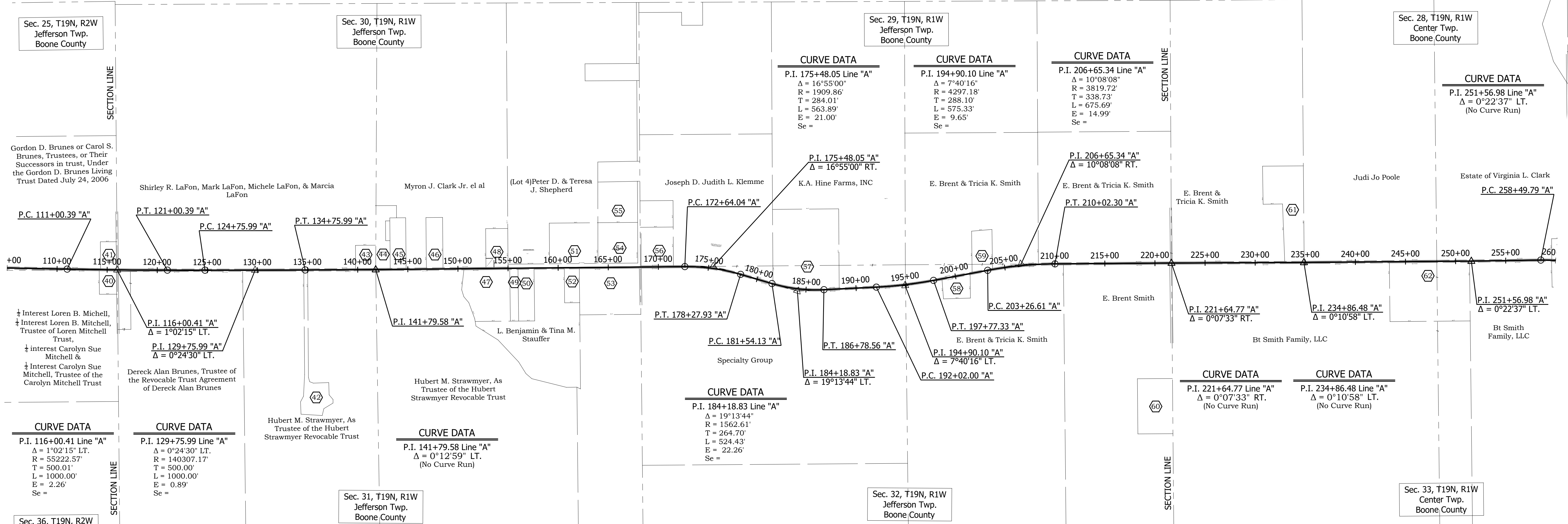
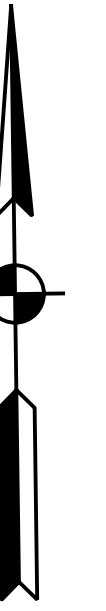
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| RECOMMENDED FOR APPROVAL | DESIGN ENGINEER | DATE | INDIANA DEPARTMENT OF TRANSPORTATION | HORIZONTAL SCALE | BRIDGE FILE |
|                          |                 |      |                                      | 1" = 50'         |             |
| DESIGNED: KRU            | DRAWN: KRU      |      | PLAT 1                               | VERTICAL SCALE   | DESIGNATION |
|                          |                 |      |                                      | N/A              | 1800060     |
| CHECKED: RDS             | CHECKED: RDS    |      |                                      | SURVEY BOOK      | SHEET       |
|                          |                 |      |                                      |                  | 6 of 173    |
|                          |                 |      |                                      | CONTRACT         | PROJECT     |
|                          |                 |      |                                      | R-42253          | 1800060     |



| INDEX NO. | OWNER   |
|-----------|---|
| 11        | Christopher D. Kearby   |
| 12        | Forrest & Jennifer Bopp   |
| 13        | Dennis E. & Deborah J. Sanders  |
| 14        | Dylan T. & Chelsea I. Market  |
| 15        | Kristi A. Uhler & Julie Musgrave  |
| 16        | James R. & Anna E. Nichols  |
| 17        | Amanda K. Shockley  |
| 18        | JL Food Mart, INC   |
| 19        | Charles R. & Huetta M. Acton  |
| 20        | Jim & Renee M. Good   |
| 21        | State Bank of Lizton  |
| 22        | Mathew David Covault  |
| 23        | Dover Christian Church  |
| 24        | Central Indiana Health Association, INC   |
| 25        | Michael J. & Cheri A. Stieber   |
| 26        | Dover Christian Church  |
| 27        | Dover Cemetery  |
| 28        | Charles E. & Shirley Jean Behrens   |
| 29        | Ryan J. & Jamie J. Venis  |
| 30        | Mitchell & Vivian A. Norman   |
| 31        | Joseph N. & Vaughnie M. Slipher   |
| 32        | Richard Timmons Living Trust Undivided 1/2 Interest & Sue Timmons Living Trust Undivided 1/2 interest |
| 33        | Lindsey M. Norman   |
| 34        | Chad R. & Michelle A. Timmons   |
| 35        | Richard Timmons Living Trust Undivided 1/2 Interest & Sue Timmons Living Trust Undivided 1/2 interest |
| 39        | William James & Jane Crews Taylor   |
| 36        | Richard Timmons Living Trust Undivided 1/2 Interest & Sue Timmons Living Trust Undivided 1/2 interest |
| 37        | Chad Ray & Michelle Ann Timmons   |
| 38        | Anthony & Dawn LaForest   |
| 39        | William James & Jane Crews Taylor   |

PRINT DATE: 4/7/23  
 PLOT SCALE: 1:1  
 DRAWING FILE: P:\20-500-05-1 SR 32 PASSING LANES\5 ACAD\04 PLAT LIGHT PLAT1 SR 32.DWG  
 EDIT DATE: 3/13/23 - 9:39 AM  
 EDITED BY: MMURRAY

|                      |  |  |  |
|----------------------|--|--|--|
|                      | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER DATE | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b><br><br><b>PLAT 1</b> | HORIZONTAL SCALE<br>1" = 500'<br>VERTICAL SCALE<br>N/A<br>SURVEY BOOK<br>R-42253<br>BRIDGE FILE<br>DESIGNATION<br>1800060<br>SHEET<br>7 of 173<br>PROJECT<br>1800060 |
| DESIGNED: <u>KRU</u> | DRAWN: <u>KRU</u>                                      |  |  |
| CHECKED: <u>RDS</u>  | CHECKED: <u>RDS</u>                                    |  |  |



**CURVE DATA**

P.I. 116+00.41 Line "A"  
 $\Delta = 1^{\circ}02'15''$  LT.  
 R = 55222.57'  
 T = 500.01'  
 L = 1000.00'  
 E = 2.26'  
 Se =

**CURVE DATA**

P.I. 129+75.99 Line "A"  
 $\Delta = 0^{\circ}24'30''$  LT.  
 R = 140307.17'  
 T = 500.00'  
 L = 1000.00'  
 E = 0.89'  
 Se =

**CURVE DATA**

P.I. 141+79.58 Line "A"  
 $\Delta = 0^{\circ}12'59''$  LT.  
 (No Curve Run)

**CURVE DATA**

P.I. 184+18.83 Line "A"  
 $\Delta = 19^{\circ}13'44''$   
 R = 1562.61'  
 T = 264.70'  
 L = 524.43'  
 E = 22.26'  
 Se =

**CURVE DATA**

P.I. 175+48.05 Line "A"  
 $\Delta = 16^{\circ}55'00''$  RT.  
 R = 1909.86'  
 T = 284.01'  
 L = 563.89'  
 E = 21.00'  
 Se =

**CURVE DATA**

P.I. 194+90.10 Line "A"  
 $\Delta = 7^{\circ}40'16''$   
 R = 4297.18'  
 T = 288.10'  
 L = 575.33'  
 E = 9.65'  
 Se =

**CURVE DATA**

P.I. 206+65.34 Line "A"  
 $\Delta = 10^{\circ}08'08''$  RT.  
 R = 3819.72'  
 T = 338.73'  
 L = 675.69'  
 E = 14.99'  
 Se =

**CURVE DATA**

P.I. 221+64.77 Line "A"  
 $\Delta = 0^{\circ}07'33''$  RT.  
 (No Curve Run)

**CURVE DATA**

P.I. 234+86.48 Line "A"  
 $\Delta = 0^{\circ}10'58''$  LT.  
 (No Curve Run)

**CURVE DATA**

P.I. 251+56.98 Line "A"  
 $\Delta = 0^{\circ}22'37''$  LT.  
 (No Curve Run)

| INDEX NO. | OWNER   |
|-----------|---|
| 40        | Boone Country REMC  |
| 41        | Raymond & Sandra L. Little  |
| 42        | John A. & Brenda J. Bush  |
| 43        | Savannah D. Breezer   |
| 44        | Myron J. Clark, Jr. & Louis M. Clark, Husband and Wife and Brian P. Donahue and Cynthia A. Donahue, Husband and Wife. |
| 45        | Myron J., Jr. & Louis M. Clark  |
| 46        | John L. & Judith K. Clark   |
| 47        | Pleasant View Cemetery  |
| 48        | John L. Clark Jr.   |
| 49        | Pleasant View Cemetery Association INC.   |
| 50        | Pleasant View Cemetery Association  |
| 51        | Peter D. & Teresa J. Shepherd   |
| 52        | Zacharia Daniel Essex & Brittany N. Clayton-Essex   |
| 53        | Diana L. Keith  |
| 54        | Peter D. & Teresa J. Shepherd   |
| 55        | Peter D. & Teresa J. Shepherd   |
| 56        | J. Michael & Joyce A. Yaryan  |
| 57        | Marda J. Malatterre   |
| 58        | Billy R. Mateika  |
| 59        | Larry W. & Carol L. Ball  |
| 60        | E. Brent & Tricia K. Smith  |
| 61        | Steven & Cynthia J. Staggs  |
| 62        | E. Brent & Tricia K. Smith  |

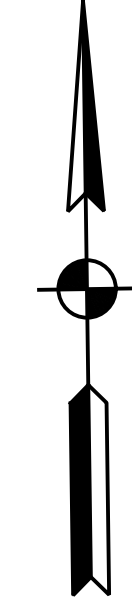
PRINT DATE: 4/7/23  
 PLOT SCALE: 1:1  
 EDIT DATE: 3/13/23 - 9:39 AM  
 DRAWING FILE: P:\20-500-165-1 SR 32 PASSING LANES\5 ACAD\04 PLAT LIGHT PLAT1 SR 32.OLD.DWG  
 DRAWN BY: MMURRAY

|                          |                     |      |
|--------------------------|---------------------|------|
| RECOMMENDED FOR APPROVAL | DESIGN ENGINEER     | DATE |
| DESIGNED: <u>KRU</u>     | DRAWN: <u>KRU</u>   |      |
| CHECKED: <u>RDS</u>      | CHECKED: <u>RDS</u> |      |

**INDIANA DEPARTMENT OF TRANSPORTATION**  
**PLAT 1**

|                  |             |
|------------------|-------------|
| HORIZONTAL SCALE | BRIDGE FILE |
| 1" = 500'        |             |
| VERTICAL SCALE   | DESIGNATION |
| N/A              | 1800060     |
| SURVEY BOOK      | SHEET       |
|                  | 8 of 173    |
| CONTRACT         | PROJECT     |
| R-42253          | 1800060     |





**CURVE DATA**  
 P.I. 265+91.22 Line "A"  
 $\Delta = 48^\circ 44' 00''$   
 $R = 1637.02'$   
 $T = 741.44'$   
 $L = 1392.38'$   
 $E = 160.08'$   
 $Se =$

Sec. 28, T19N, R1W  
 Center Twp.  
 Boone County

P.I. 265+91.22 "A"  
 $\Delta = 48^\circ 44' 00''$  RT.

Sec. 34, T19N, R1W  
 Center Twp.  
 Boone County

**CURVE DATA**  
 P.I. 337+31.01 Line "A"  
 $\Delta = 0^\circ 11' 22''$  LT.  
 (No Curve Run)

P.I. 337+31.01 "A"  
 $\Delta = 0^\circ 11' 22''$  LT.

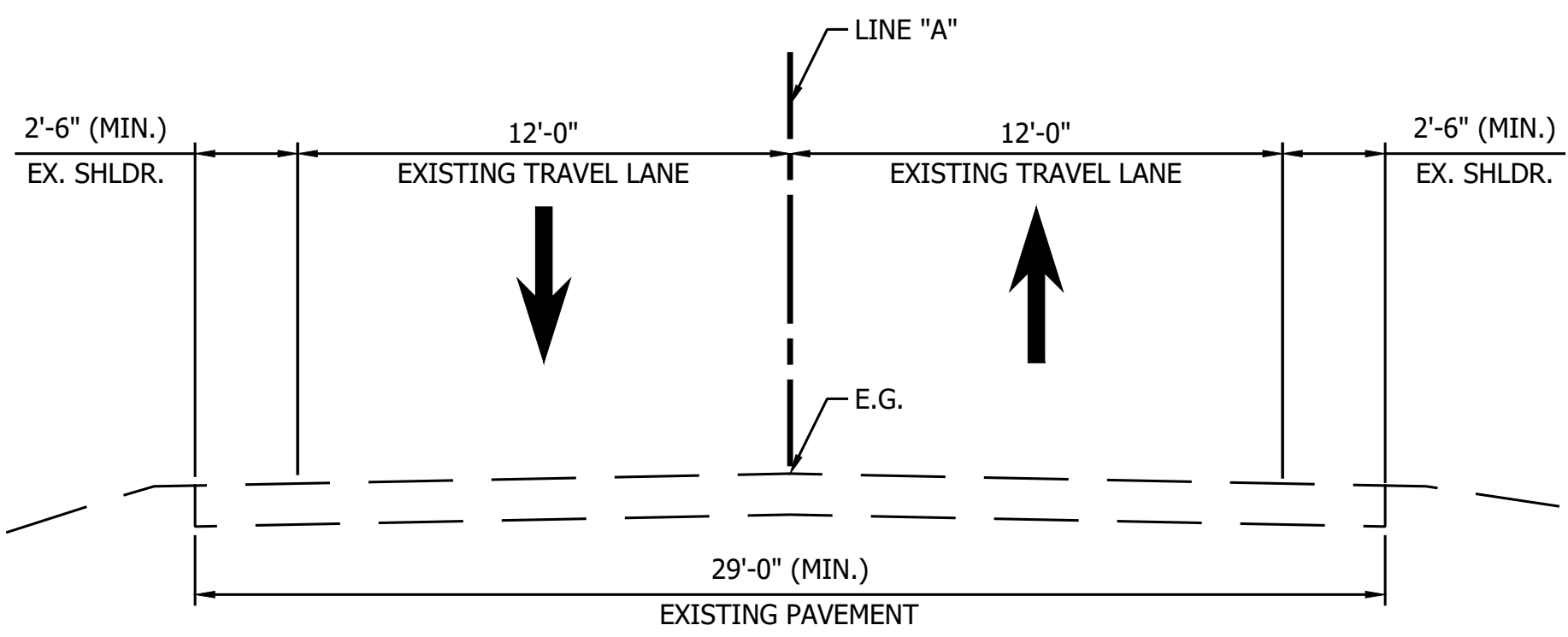
**CURVE DATA**  
 P.I. 300+20.94 Line "A"  
 $\Delta = 48^\circ 25' 00''$   
 $R = 1909.86'$   
 $T = 858.66'$   
 $L = 1613.89'$   
 $E = 184.15'$   
 $Se =$

Sec. 34, T19N, R1W  
 Center Twp.  
 Boone County

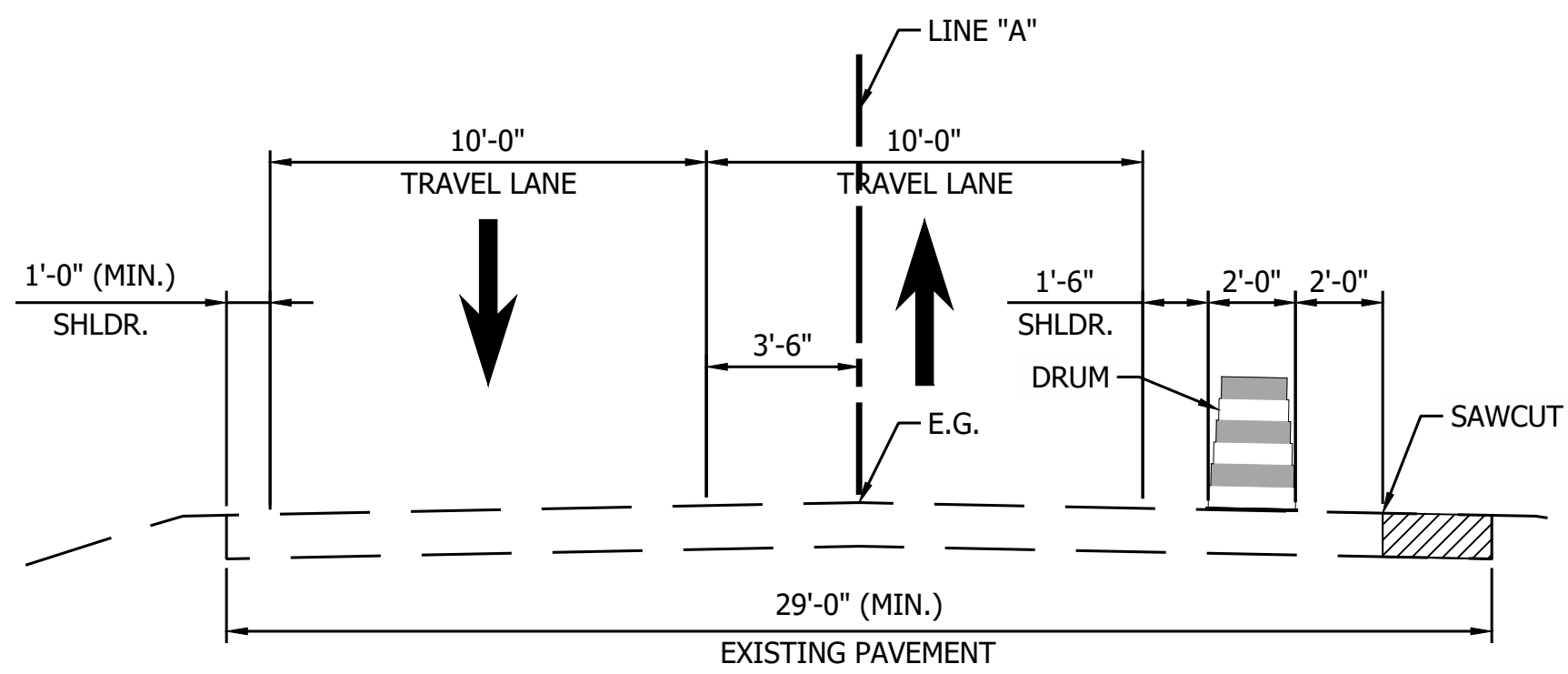
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|-----------|---|
| 63        | Duretta Frederick   |
| 64        | Jeffrey L. Avery  |
| 65        | Timothy S. & Jana K. Secrist                              |
| 66        | E. Brent & Tricia K. Smith                                |
| 67        | Brent A. & Louise A. Knecht                               |
| 68        | Bt Smith Family, LLC                                      |
| 69        | Anne Cleary, Caroline Miller, & Susannah Myers Beachboard |
| 70        | Anne Cleary, Caroline Miller, & Susannah Myers Beachboard |
| 71        | Yvonne C. & John E. Agnew                                 |
| 72        | Tracy S. Blankenship                                      |
| 73        | Ray C. Land & Vicky Barrickman                            |
| 74        | Richard L. & Judy Diann Lowe                              |
| 75        | Melissa Savage  |
| 76        | Thatcher Constructions INC.                               |
| 77        | Jeffrey A. & Susan McAfee                                 |
| 78        | Jeffrey A. & Susan McAfee                                 |
| 79        | Trudie A. O'Brien   |
| 80        | John J. & Rebecca J. Bowman                               |
| 81        | Michael Kent McGuire                                      |
| 82        | North Enterprise, LLC                                     |
| 83        | TTS Real Estate LP  |
| 84        | Susan R. Jones & Jennifer E. Jones                        |
| 85        | Ash Development, LLC                                      |
| 86        | Lex Lebanon, L.P.   |
| 87        | Lex Lebanon L.P.  |
| 88        | Arc Cafeusa001, LLC                                       |
| 89        | Lex Lebanon L.P.  |
| 90        | Lex Lebanon L.P.  |

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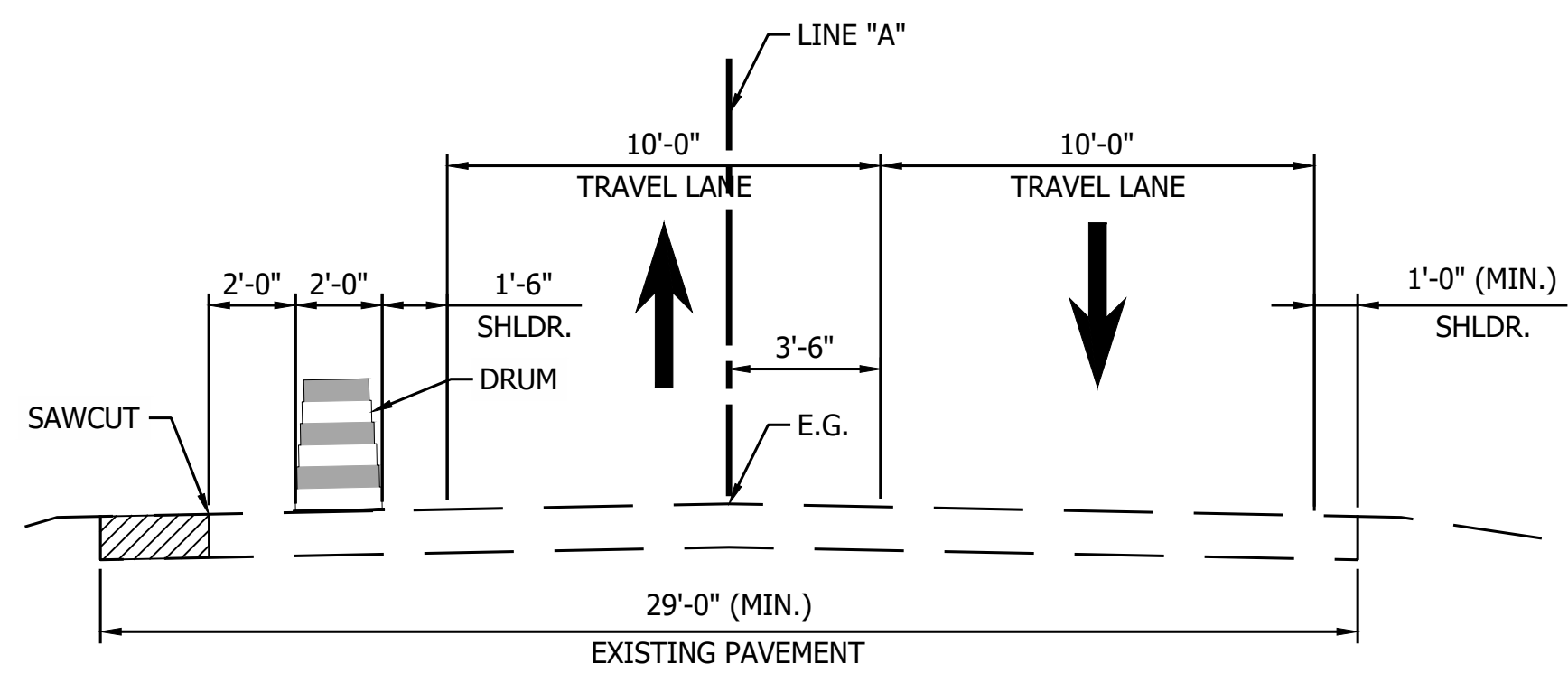
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| RECOMMENDED FOR APPROVAL | DESIGN ENGINEER | DATE       | INDIANA DEPARTMENT OF TRANSPORTATION | HORIZONTAL SCALE | BRIDGE FILE |
|                          | DESIGNED: KRU   | DRAWN: KRU |                                      | VERTICAL SCALE   | DESIGNATION |
| CHECKED: RDS             | CHECKED: RDS    |            | PLAT 1                               | N/A              | 1800060     |
|                          |                 |            |                                      | SURVEY BOOK      | SHEET       |
|                          |                 |            |                                      | R-42253          | 9 of 173    |
|                          |                 |            |                                      |                  | PROJECT     |
|                          |                 |            |                                      |                  | 1800060     |



EXISTING TYPICAL SECTION



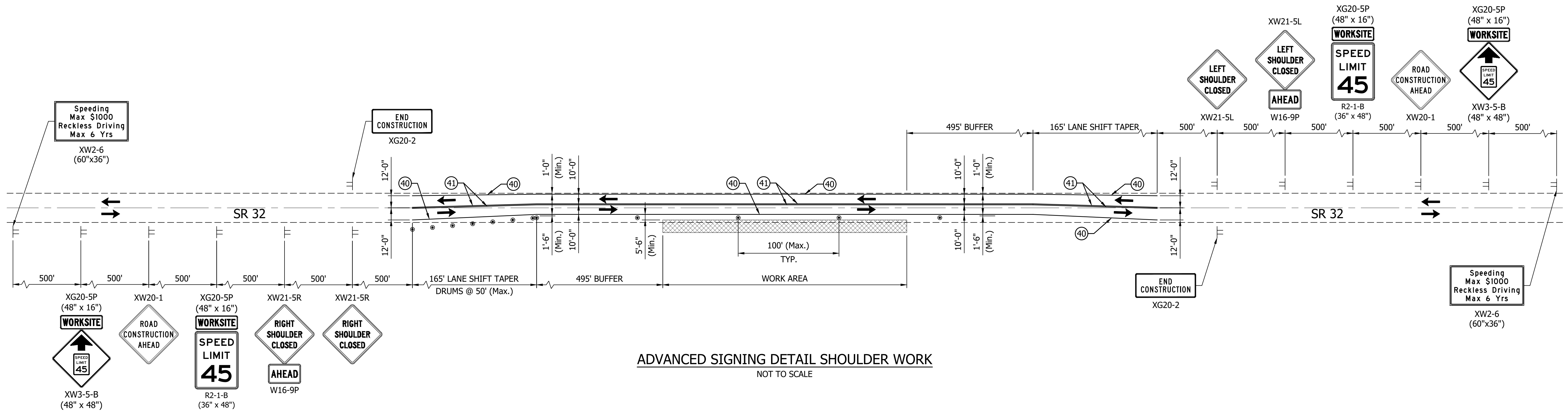
TYPICAL SECTION  
STA. 748+00.00 TO STA. 801+00.00 "A"



TYPICAL SECTION  
STA. 632+00.00 TO STA. 686+22.00 "A"  
STA. 26+40.11 TO STA. 84+59.89 "A"

WORK ZONE DESIGN SPEED = 45 MPH

|   |   |                    |   |                    |                                |                        |
|---|---|--------------------|---|--------------------|--------------------------------|------------------------|
| <b>LEGEND</b><br>Area of Construction<br>Shoulder Strengthening | RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____ |                    | INDIANA DEPARTMENT OF TRANSPORTATION<br>MAINTENANCE OF TRAFFIC - PHASE I<br>S.R. 32 |                    | HORIZONTAL SCALE<br>1/4"=1'-0" | BRIDGE FILE            |
|   | DESIGNED: <u>YZ</u>   | DRAWN: <u>MRM</u>  |   |                    | VERTICAL SCALE<br>1/4"=1'-0"   | DESIGNATION<br>1800060 |
|   | CHECKED: <u>RDS</u>   | CHECKED: <u>YZ</u> | SURVEY BOOK   | SHEET<br>10 of 173 |                                |                        |
|   |   |                    | CONTRACT<br>R-42253   | PROJECT<br>1800060 |                                |                        |



ADVANCED SIGNING DETAIL SHOULDER WORK  
NOT TO SCALE

MAINTENANCE OF TRAFFIC SUMMARY TABLE

|   | Phase I   | Phase II  | Phase III | Quantity  |
|---|-----------|-----------|-----------|-----------|
| CONSTRUCTION SIGN, TYPE A                             | 12 EACH   | 30 EACH   | 22 EACH   | 64 EACH   |
| CONSTRUCTION SIGN, TYPE B                             | 8 EACH    | 30 EACH   | 12 EACH   | 50 EACH   |
| TEMPORARY TRAFFIC BARRIER                             | -         | 15738 LFT | 500 LFT   | 16238 LFT |
| ENERGY ABSORBING TERMINAL, CZ, TL-2                   | -         | 44 EACH   | -         | 44 EACH   |
| ENERGY ABSORBING TERMINAL, CZ, TL-3                   | -         | -         | 2 EACH    | 2 EACH    |
| TEMPORARY PAVEMENT MARKING, REMOVABLE, 4 IN. (WHITE)  | 27404 LFT | 36280 LFT | 36280 LFT | 99964 LFT |
| TEMPORARY PAVEMENT MARKING, REMOVABLE, 4 IN. (YELLOW) | 27404 LFT | 36280 LFT | 36280 LFT | 99964 LFT |
| TEMPORARY PAVEMENT MARKING, REMOVABLE, 24 IN. (WHITE) | -         | -         | 192 LFT   | 192 LFT   |
| LINE, REMOVE  | -         | 18360 LFT | -         | 18360 LFT |
| BARRICADE, TYPE III-A                                 | -         | -         | 48 LFT    | 48 LFT    |
| DRIVEWAY ASSISTANCE DEVICE                            | -         | -         | 4 EACH    | 4 EACH    |
| TEMPORARY PORTABLE SIGNAL                             | -         | -         | 2 EACH    | 2 EACH    |
| LIQUID ASPHALT SEALANT                                | X         | -         | -         | LFT       |
| JOINT ADHESIVE, SURFACE                               | X         | -         | -         | LFT       |
| ASHPHALT FOR TACK COAT                                | X         | -         | -         | TON       |
| QC/QA-HMA, 3, 70, SURFACE, 9.5 MM                     | X         | -         | -         | TON       |
| MILLING, ASPHALT, 2 IN.                               | X         | -         | -         | SYS       |

WORK ZONE DESIGN SPEED = 45 MPH

**LEGEND**

- ← Traffic Flow Direction
- Channelizing Device - Drum
- TT Construction Sign
- ▨ Construction Area
- ④① Temp. Pavement Markings, Removable, 4" (Solid, White)
- ④① Temp. Pavement Markings, Removable, 4" (Solid, Yellow)

RECOMMENDED FOR APPROVAL \_\_\_\_\_ DESIGN ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

DESIGNED: YZ DRAWN: MRM

CHECKED: RDS CHECKED: YZ

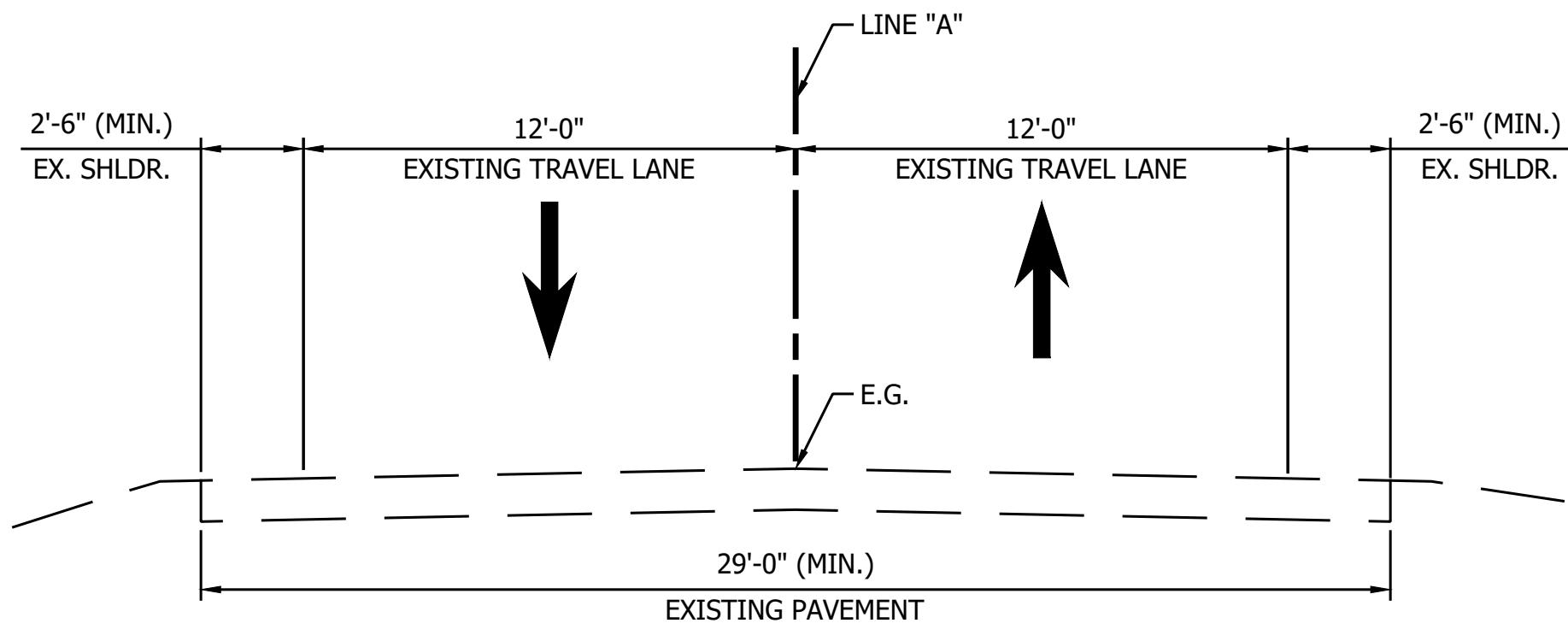
INDIANA DEPARTMENT OF TRANSPORTATION

PHASE I  
PHASE I TYPICAL ADVANCED SIGNING

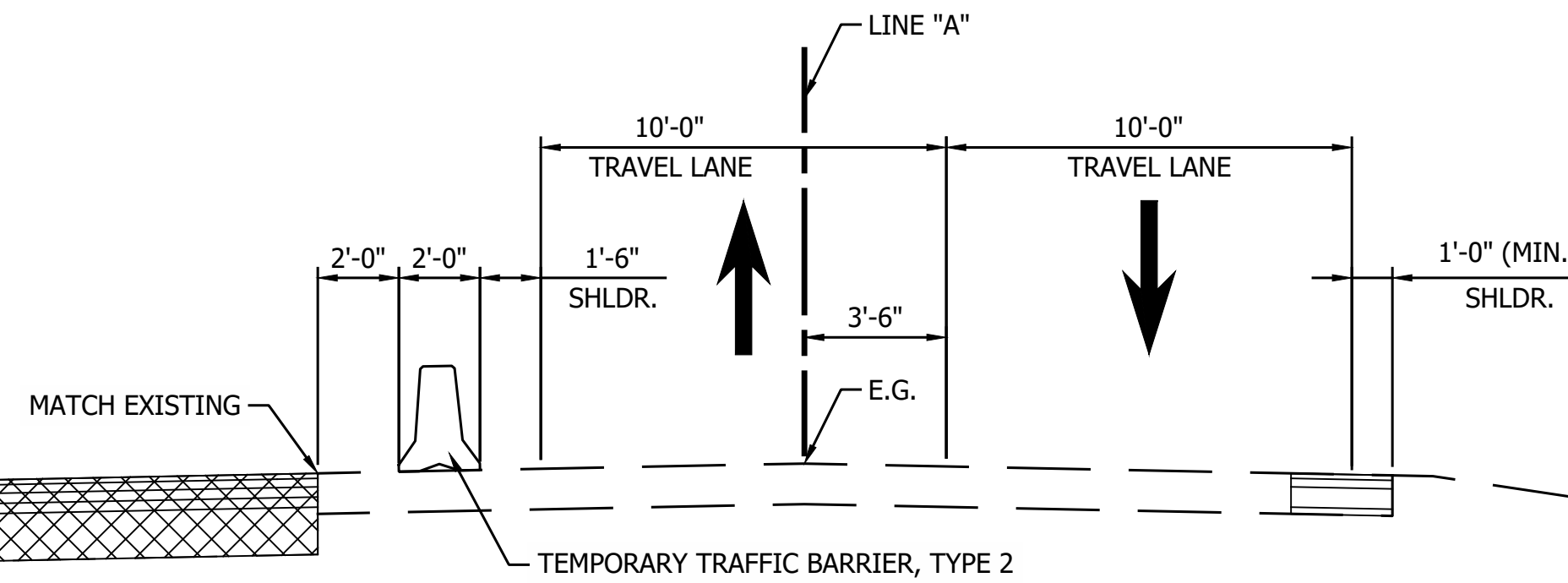
|                  |             |
|------------------|-------------|
| HORIZONTAL SCALE | BRIDGE FILE |
| AS NOTED         |             |
| VERTICAL SCALE   | DESIGNATION |
| N/A              | 1800060     |
| SURVEY BOOK      | SHEET       |
|                  | 11 of 173   |
| CONTRACT         | PROJECT     |
| R-42253          | 1800060     |

**PHASE II NOTES:**

1. CONSTRUCT THE FULL DEPTH PAVEMENT AS SHOWN ON TYPICALS PLUS ADDITIONAL BASE LAYER TO MATCH THE EXISTING GRADE.
2. CONSTRUCT HMA WEDGE AT EDGE OF DROP OFF AS NEEDED.
3. INSTALL SECTIONS OF SMALL STRUCTURE OR CROSSING CULVERT UNDER FULL DEPTH PAVEMENT

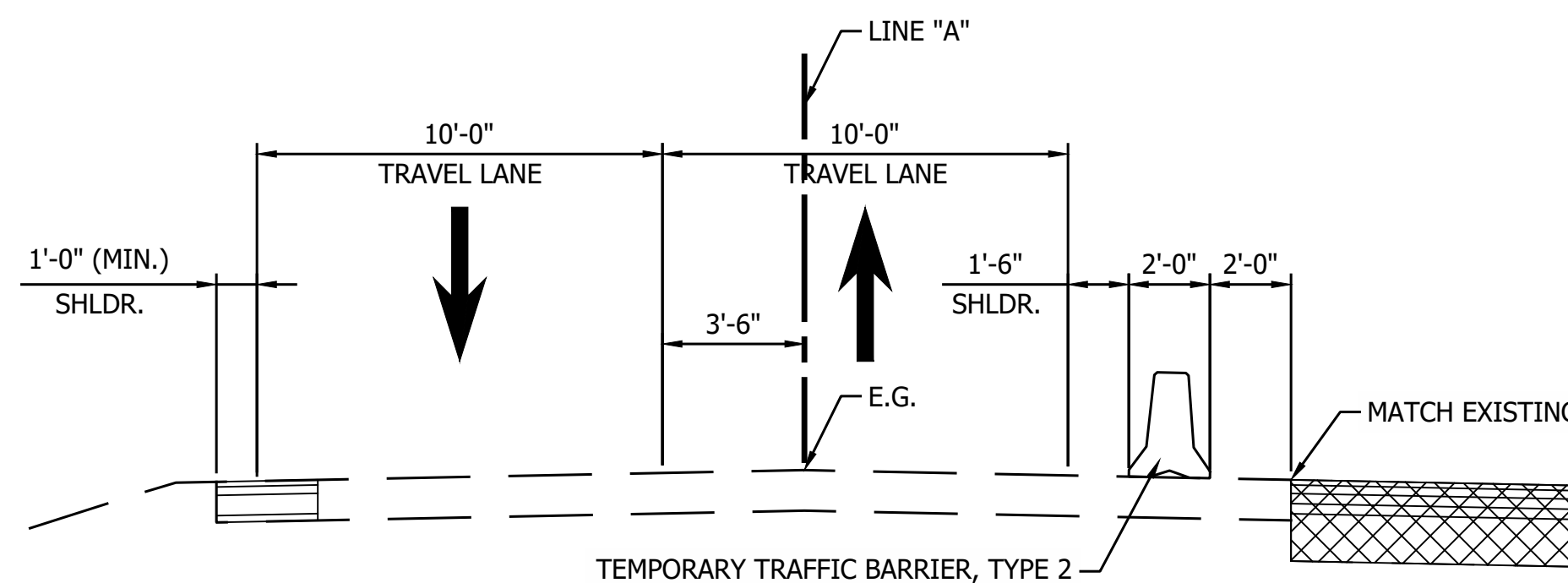


**EXISTING TYPICAL SECTION**



**TYPICAL SECTION**

STA. 748+00.00 TO STA. 801+00.00 "A"



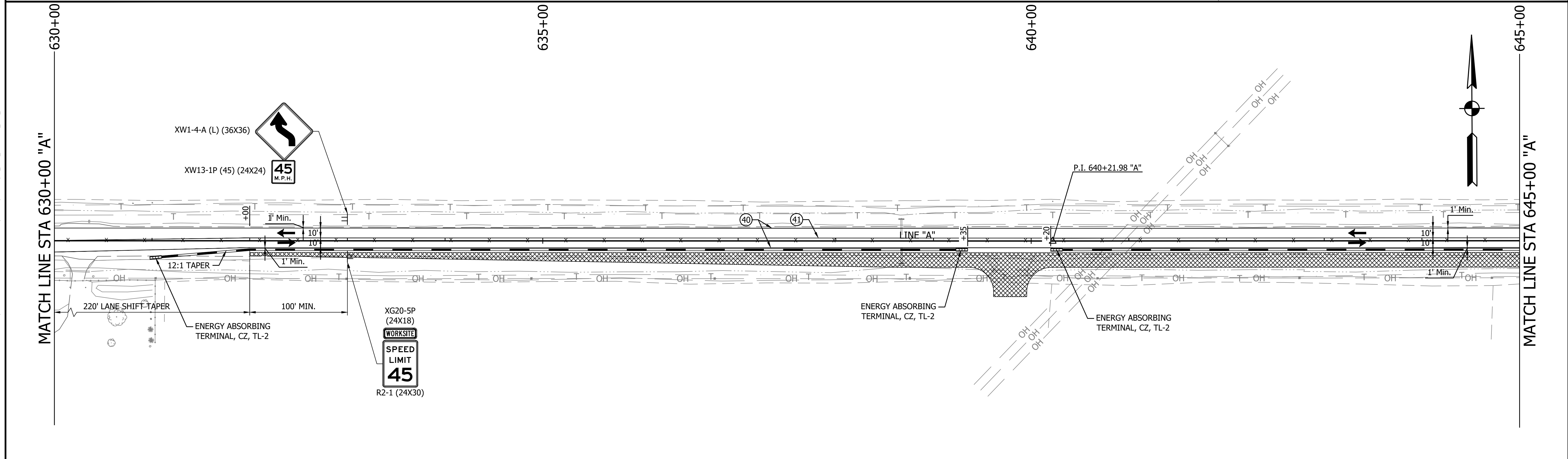
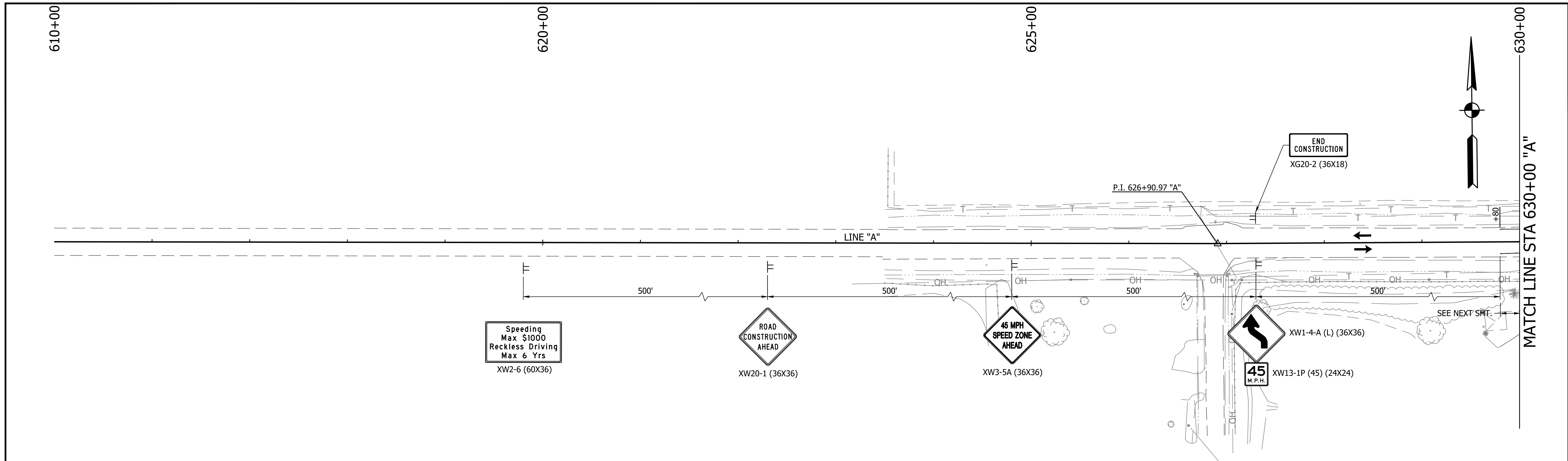
**TYPICAL SECTION**

STA. 632+00.00 TO STA. 686+22.00 "A"  
STA. 26+40.11 TO STA. 84+59.89 "A"

WORK ZONE DESIGN SPEED = 45 MPH

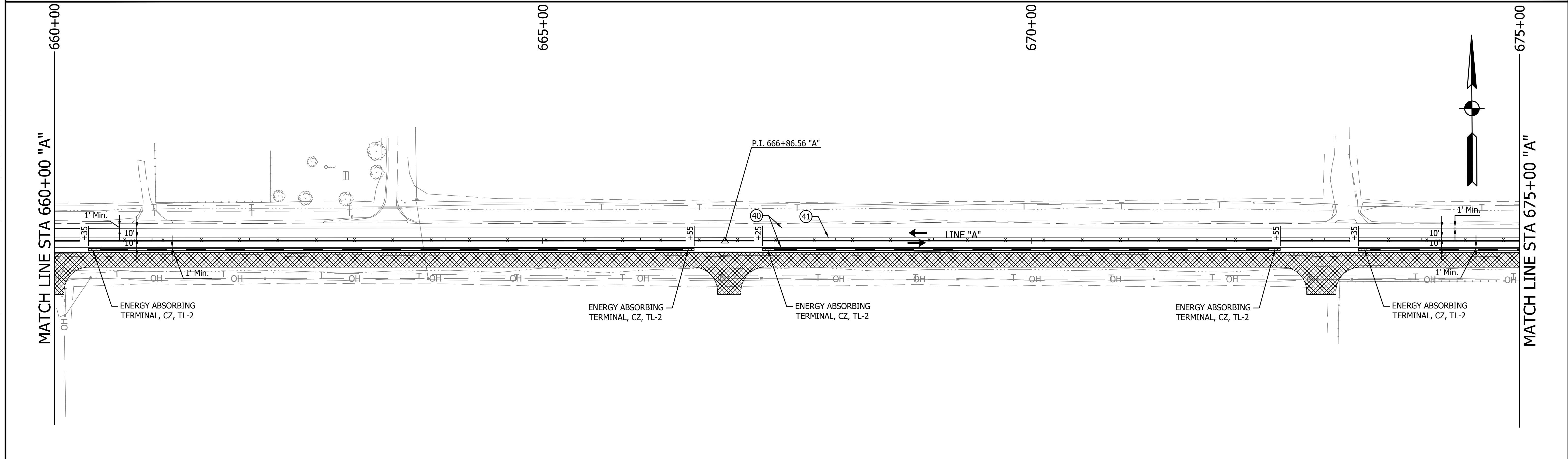
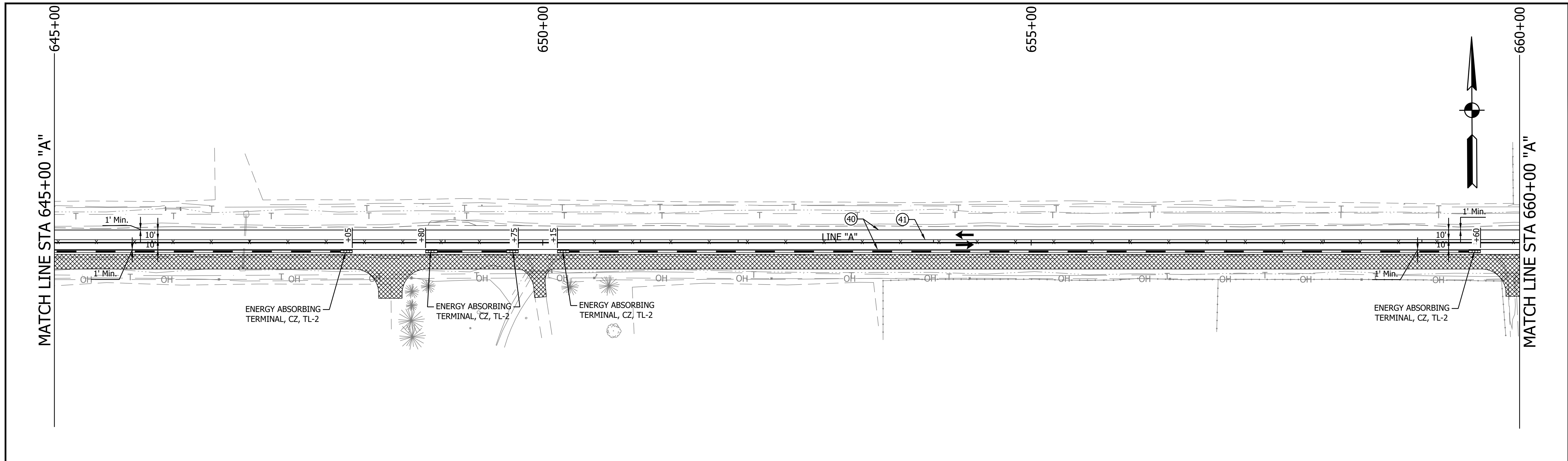
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|--|---------------------------------|--|----------------------------------|--|--------------------------------|---------------------|--------------------|---|------------------------------|------------------------|-------------|
| <p><b>LEGEND</b></p> <p> Area of Construction</p> <p> Shoulder Strengthening</p> |                                 | RECOMMENDED FOR APPROVAL _____   | DESIGN ENGINEER _____ DATE _____ | <p><b>INDIANA</b><br/><b>DEPARTMENT OF TRANSPORTATION</b></p> <p><b>MAINTENANCE OF TRAFFIC - PHASE II</b><br/><b>S.R. 32</b></p> | HORIZONTAL SCALE<br>1/4"=1'-0" | BRIDGE FILE         |                    |   |                              |                        |             |
|  |                                 | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">DESIGNED: <u>YZ</u></td> <td style="width: 50%;">DRAWN: <u>MRM</u></td> </tr> <tr> <td>CHECKED: <u>RDS</u></td> <td>CHECKED: <u>YZ</u></td> </tr> </table> | DESIGNED: <u>YZ</u>              |  | DRAWN: <u>MRM</u>              | CHECKED: <u>RDS</u> | CHECKED: <u>YZ</u> | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">VERTICAL SCALE<br/>1/4"=1'-0"</td> <td style="width: 50%;">DESIGNATION<br/>1800060</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEET</td> </tr> <tr> <td>CONTRACT<br/>R-42253</td> <td>PROJECT<br/>12 of 173<br/>1800060</td> </tr> </table> | VERTICAL SCALE<br>1/4"=1'-0" | DESIGNATION<br>1800060 | SURVEY BOOK |
| DESIGNED: <u>YZ</u>  | DRAWN: <u>MRM</u>               |  |                                  |  |                                |                     |                    |   |                              |                        |             |
| CHECKED: <u>RDS</u>  | CHECKED: <u>YZ</u>              |  |                                  |  |                                |                     |                    |   |                              |                        |             |
| VERTICAL SCALE<br>1/4"=1'-0"   | DESIGNATION<br>1800060          |  |                                  |  |                                |                     |                    |   |                              |                        |             |
| SURVEY BOOK  | SHEET                           |  |                                  |  |                                |                     |                    |   |                              |                        |             |
| CONTRACT<br>R-42253  | PROJECT<br>12 of 173<br>1800060 |  |                                  |  |                                |                     |                    |   |                              |                        |             |

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 EDITOR: MMURRAY  
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|                                 |  |   |                              |                        |
|---------------------------------|--|---|------------------------------|------------------------|
| <b>LEGEND</b><br>               |  | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b><br><br><b>MAINTENANCE OF TRAFFIC PHASE II</b> | HORIZONTAL SCALE<br>1" = 50' | BRIDGE FILE            |
|                                 |  |   | VERTICAL SCALE<br>N/A        | DESIGNATION<br>1800060 |
| WORK ZONE DESIGN SPEED = 45 MPH |  | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER _____ DATE _____                        | SURVEY BOOK _____            | SHEET 13 of 173        |
|                                 |  | DESIGNED: YZ<br>DRAWN: MRM  | CONTRACT R-42253             | PROJECT 1800060        |
|                                 |  | CHECKED: RDS<br>CHECKED: YZ   |                              |                        |

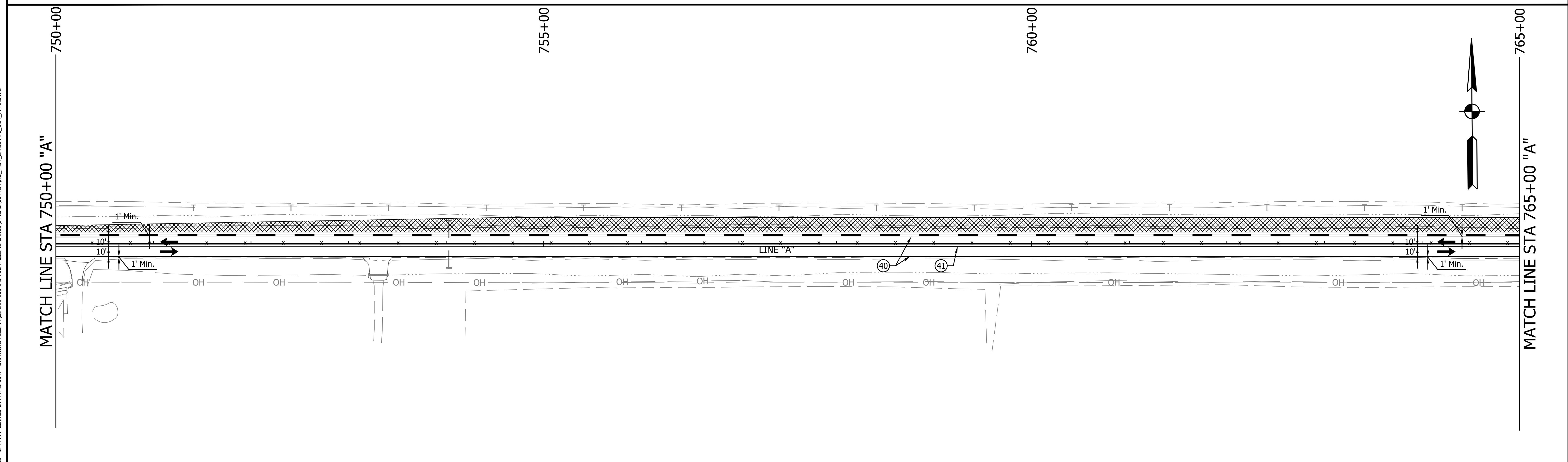
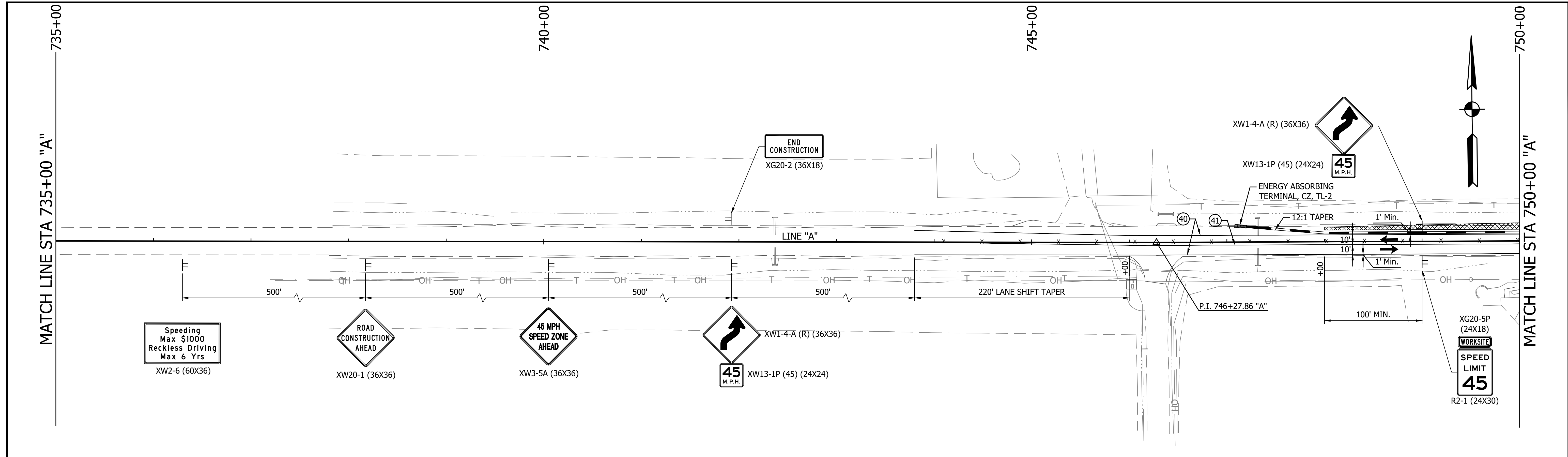
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| LEGEND                          |                        | RECOMMENDED FOR APPROVAL |  | INDIANA DEPARTMENT OF TRANSPORTATION |  | HORIZONTAL SCALE                   |  | BRIDGE FILE |  |
|---------------------------------|------------------------|--------------------------|--|--------------------------------------|--|------------------------------------|--|-------------|--|
|                                 | AREA OF CONSTRUCTION   |                          | TEMP. PAVEMENT MARKINGS, SOLID WHITE, 4" | DESIGN ENGINEER _____ DATE _____     |  | 1" = 50'                           |  | DESIGNATION |  |
|                                 | TEMP. CONCRETE BARRIER |                          | TEMP. PAVEMENT MARKINGS, SOLID YELLOW 4" |                                      |  | 1800060                            |  |             |  |
|                                 | TYPE III BARRICADE     |                          |  | DESIGNED: <u>YZ</u>                  |  | DRAWN: <u>MRM</u>                  |  | SURVEY BOOK |  |
|                                 | TRAFFIC FLOW           |                          |  | CHECKED: <u>RDS</u>                  |  | CHECKED: <u>YZ</u>                 |  | SHEET       |  |
|                                 | STRIPING REMOVAL       |                          |  |                                      |  |                                    |  | 14 of 173   |  |
| WORK ZONE DESIGN SPEED = 45 MPH |                        |                          |  |                                      |  | MAINTENANCE OF TRAFFIC<br>PHASE II |  | CONTRACT    |  |
|                                 |                        |                          |  |                                      |  |                                    |  | PROJECT     |  |
|                                 |                        |                          |  |                                      |  | R-42253                            |  | 1800060     |  |



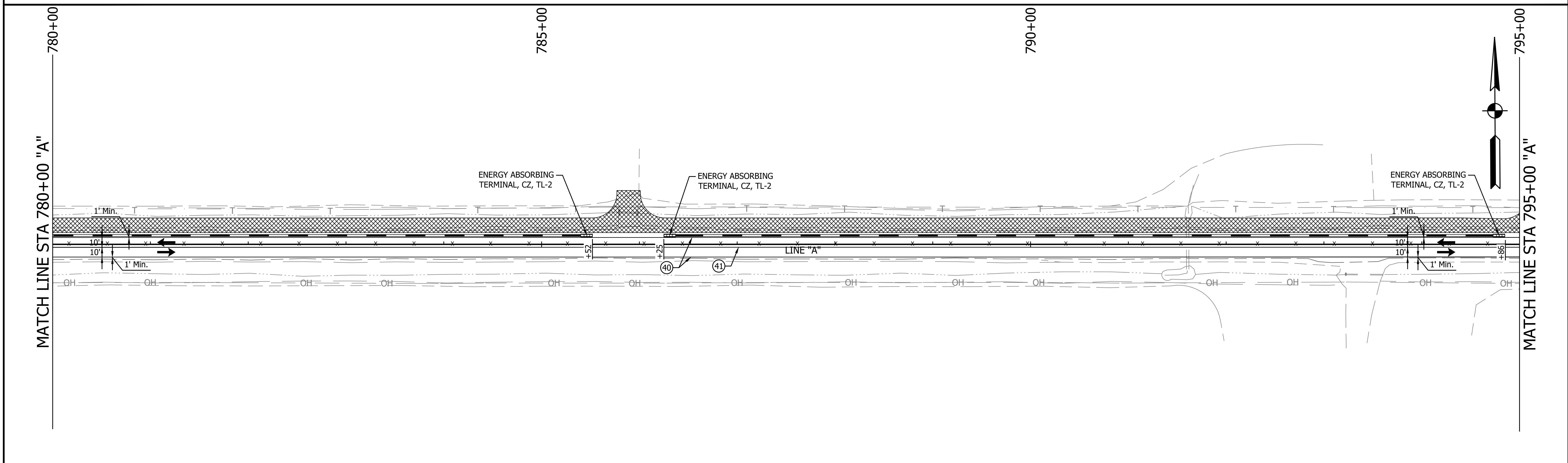
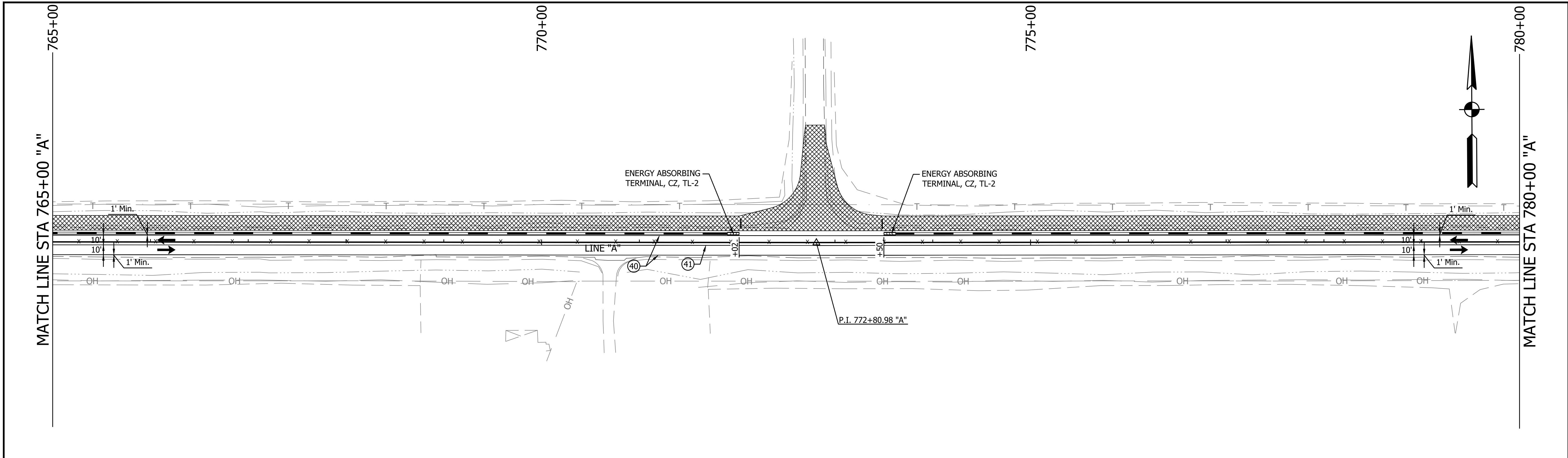
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|                   |  |  |  |   |   |                                       |
|-------------------|--|--|--|---|---|---------------------------------------|
| <b>LEGEND</b><br> |  | <b>WORK ZONE DESIGN SPEED = 45 MPH</b> | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER _____ DATE _____ | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b><br><br><b>MAINTENANCE OF TRAFFIC PHASE II</b> | HORIZONTAL SCALE<br>1" = 50'<br>VERTICAL SCALE<br>N/A | BRIDGE FILE<br>DESIGNATION<br>1800060 |
|                   |  |  | DESIGNED: <u>YZ</u><br>CHECKED: <u>RDS</u>                         |   | DRAWN: <u>MRM</u><br>CHECKED: <u>YZ</u>               | SURVEY BOOK<br>16 of 173              |

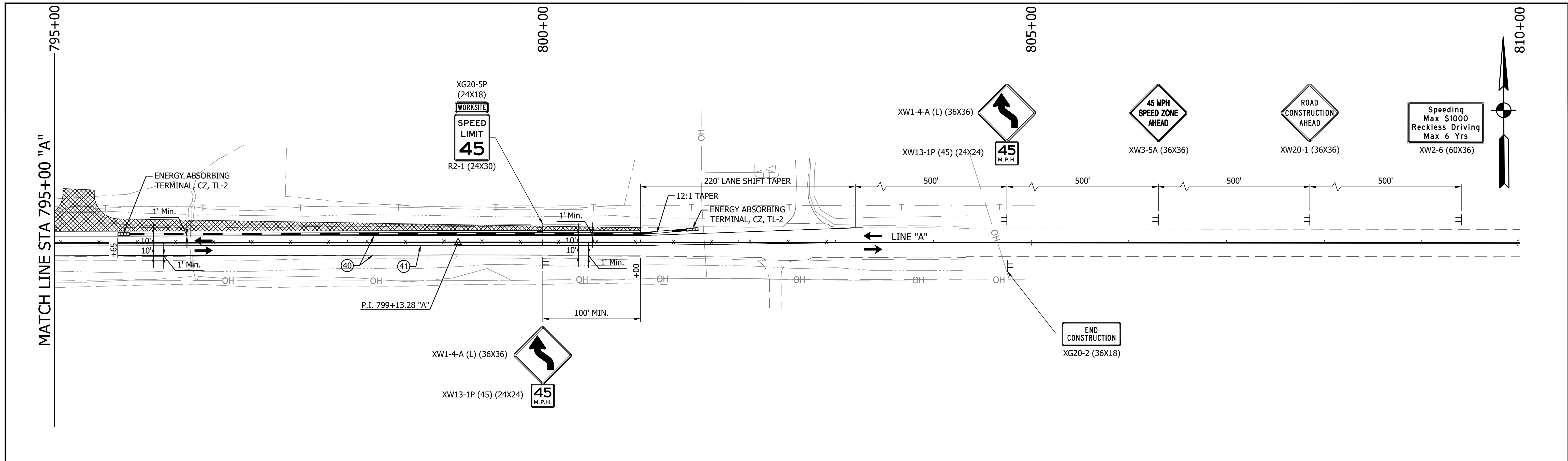


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|  |   |   |  |   |                  |             |          |  |                |             |     |         |             |       |  |           |          |         |         |         |
|--|---|---|--|---|------------------|-------------|----------|--|----------------|-------------|-----|---------|-------------|-------|--|-----------|----------|---------|---------|---------|
| <p><b>LEGEND</b></p> <ul style="list-style-type: none"> <li> AREA OF CONSTRUCTION</li> <li> TEMP. CONCRETE BARRIER</li> <li> TYPE III BARRICADE</li> <li> TRAFFIC FLOW</li> <li> STRIPING REMOVAL</li> <li> TEMP. PAVEMENT MARKINGS, SOLID WHITE, 4"</li> <li> TEMP. PAVEMENT MARKINGS, SOLID YELLOW 4"</li> </ul> | <p><b>WORK ZONE DESIGN SPEED = 45 MPH</b></p> | <p>RECOMMENDED FOR APPROVAL _____</p> <p style="text-align: center; font-size: small;">DESIGN ENGINEER      DATE</p> <hr/> <p>DESIGNED: <u>YZ</u>      DRAWN: <u>MRM</u></p> <hr/> <p>CHECKED: <u>RDS</u>      CHECKED: <u>YZ</u></p> | <p><b>INDIANA DEPARTMENT OF TRANSPORTATION</b></p> <hr/> <p><b>MAINTENANCE OF TRAFFIC PHASE II</b></p> | <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1" = 50'</td> <td></td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>N/A</td> <td>1800060</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEET</td> </tr> <tr> <td></td> <td>17 of 173</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>R-42253</td> <td>1800060</td> </tr> </table> | HORIZONTAL SCALE | BRIDGE FILE | 1" = 50' |  | VERTICAL SCALE | DESIGNATION | N/A | 1800060 | SURVEY BOOK | SHEET |  | 17 of 173 | CONTRACT | PROJECT | R-42253 | 1800060 |
| HORIZONTAL SCALE   | BRIDGE FILE                                   |   |  |   |                  |             |          |  |                |             |     |         |             |       |  |           |          |         |         |         |
| 1" = 50'   |   |   |  |   |                  |             |          |  |                |             |     |         |             |       |  |           |          |         |         |         |
| VERTICAL SCALE   | DESIGNATION                                   |   |  |   |                  |             |          |  |                |             |     |         |             |       |  |           |          |         |         |         |
| N/A  | 1800060                                       |   |  |   |                  |             |          |  |                |             |     |         |             |       |  |           |          |         |         |         |
| SURVEY BOOK  | SHEET   |   |  |   |                  |             |          |  |                |             |     |         |             |       |  |           |          |         |         |         |
|  | 17 of 173                                     |   |  |   |                  |             |          |  |                |             |     |         |             |       |  |           |          |         |         |         |
| CONTRACT   | PROJECT                                       |   |  |   |                  |             |          |  |                |             |     |         |             |       |  |           |          |         |         |         |
| R-42253  | 1800060                                       |   |  |   |                  |             |          |  |                |             |     |         |             |       |  |           |          |         |         |         |

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 EDIT DATE: 3/23/23 - 1:44 PM  
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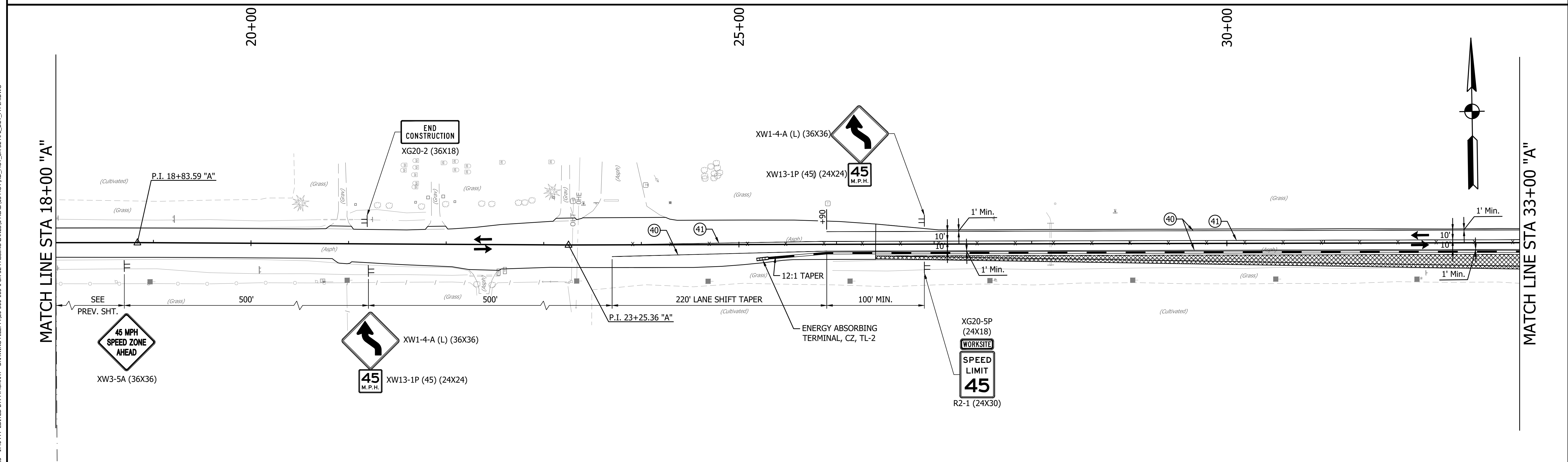
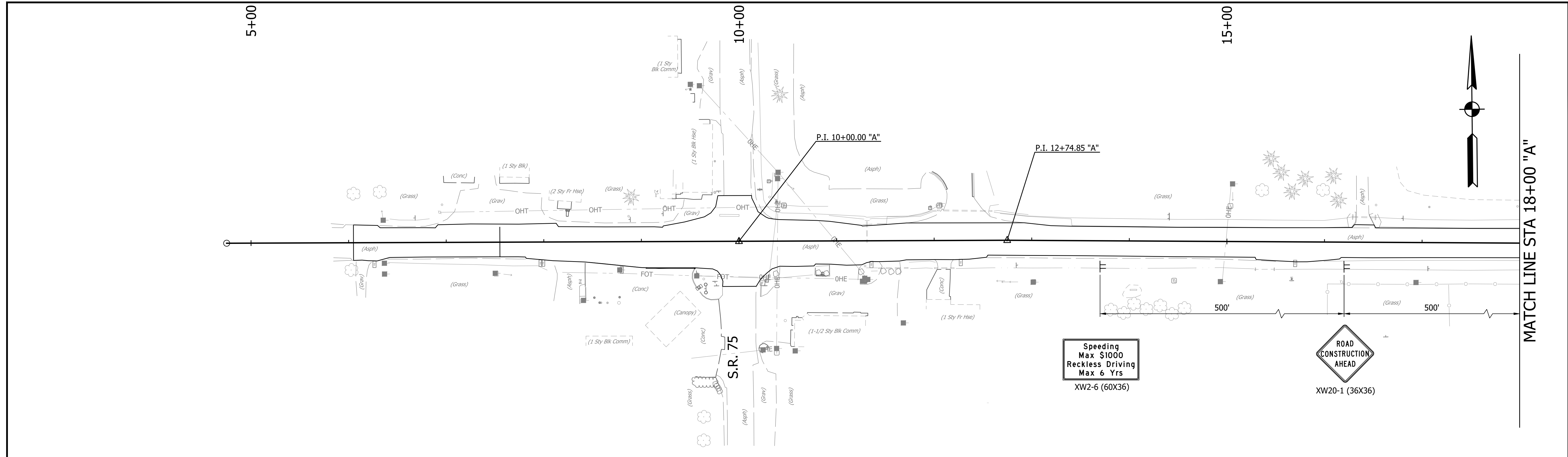
| LEGEND  |  |
|---|--|
| <ul style="list-style-type: none"> <li> AREA OF CONSTRUCTION</li> <li> TEMP. CONCRETE BARRIER</li> <li> TYPE III BARRICADE</li> <li> TRAFFIC FLOW</li> <li> STRIPING REMOVAL</li> </ul> | <ul style="list-style-type: none"> <li> TEMP. PAVEMENT MARKINGS, SOLID WHITE, 4"</li> <li> TEMP. PAVEMENT MARKINGS, SOLID YELLOW 4"</li> </ul> |
| WORK ZONE DESIGN SPEED = 45 MPH   |  |

|                          |                    |
|--------------------------|--------------------|
| RECOMMENDED FOR APPROVAL |                    |
| DESIGN ENGINEER          | DATE               |
| DESIGNED: <u>YZ</u>      | DRAWN: <u>MRM</u>  |
| CHECKED: <u>RDS</u>      | CHECKED: <u>YZ</u> |

INDIANA  
 DEPARTMENT OF TRANSPORTATION  
  
 MAINTENANCE OF TRAFFIC  
 PHASE II

|                  |             |
|------------------|-------------|
| HORIZONTAL SCALE | BRIDGE FILE |
| 1" = 50'         |             |
| VERTICAL SCALE   | DESIGNATION |
| N/A              | 1800060     |
| SURVEY BOOK      | SHEET       |
|                  | 18 of 173   |
| CONTRACT         | PROJECT     |
| R-42253          | 1800060     |

PRINT DATE: 4/7/23  
 PLOT SCALE: 1:1  
 DRAWING FILE: P:\20-500-1 SR 32 PASSING LANES\5 ACAD\05 MOT\RD\_NOT\_SR\_32\_APL\_DET\_PL1A.DWG  
 DRAWN BY: MMURRAY  
 EDITED BY: MMURRAY  
 DATE: 3/29/23 - 1:40 PM



| LEGEND |  |
|--------|--|
|        | AREA OF CONSTRUCTION                     |
|        | TEMP. CONCRETE BARRIER                   |
|        | TYPE III BARRICADE                       |
|        | TRAFFIC FLOW                             |
|        | STRIPING REMOVAL                         |
|        | TEMP. PAVEMENT MARKINGS, SOLID WHITE, 4" |
|        | TEMP. PAVEMENT MARKINGS, SOLID YELLOW 4" |

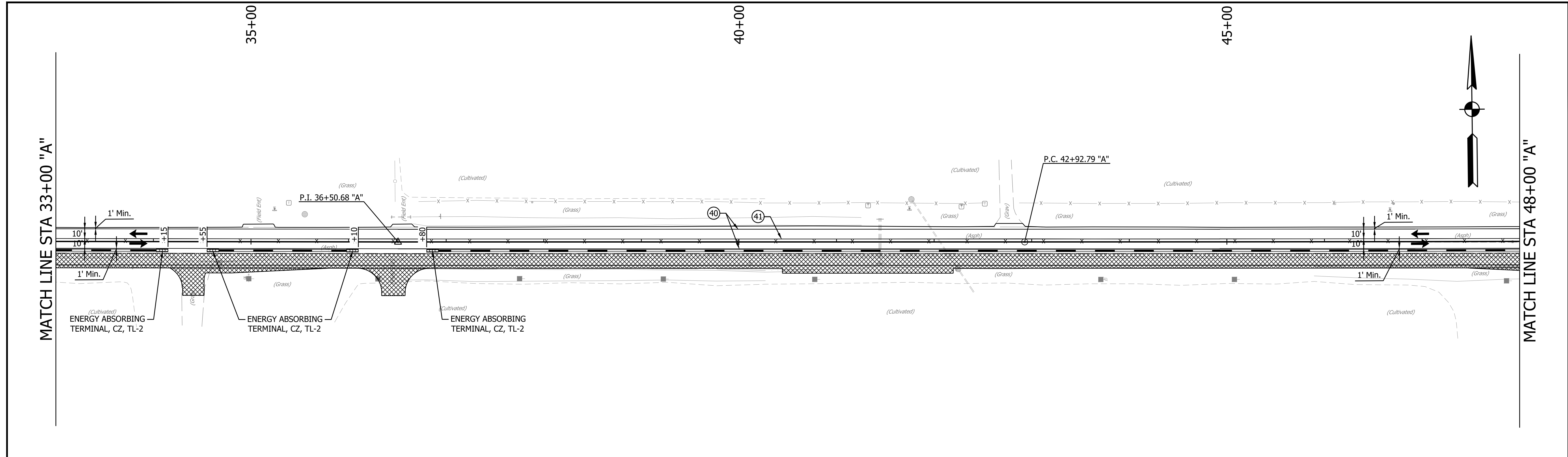
WORK ZONE DESIGN SPEED = 45 MPH

|                          |             |                 |      |
|--------------------------|-------------|-----------------|------|
| RECOMMENDED FOR APPROVAL |             | DESIGN ENGINEER | DATE |
| DESIGNED: YZ             | DRAWN: MRM  |                 |      |
| CHECKED: RDS             | CHECKED: YZ |                 |      |

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
**MAINTENANCE OF TRAFFIC**  
**PHASE II**

|                  |             |
|------------------|-------------|
| HORIZONTAL SCALE | BRIDGE FILE |
| 1" = 50'         |             |
| VERTICAL SCALE   | DESIGNATION |
| N/A              | 1800060     |
| SURVEY BOOK      | SHEET       |
|                  | 19 of 173   |
| CONTRACT         | PROJECT     |
| R-42253          | 1800060     |

PRINT DATE: 4/7/23  
 PLOT SCALE: 1:1  
 DESIGN DATE: 3/29/23 - 1:40 PM  
 EDITED BY: MMURRAY  
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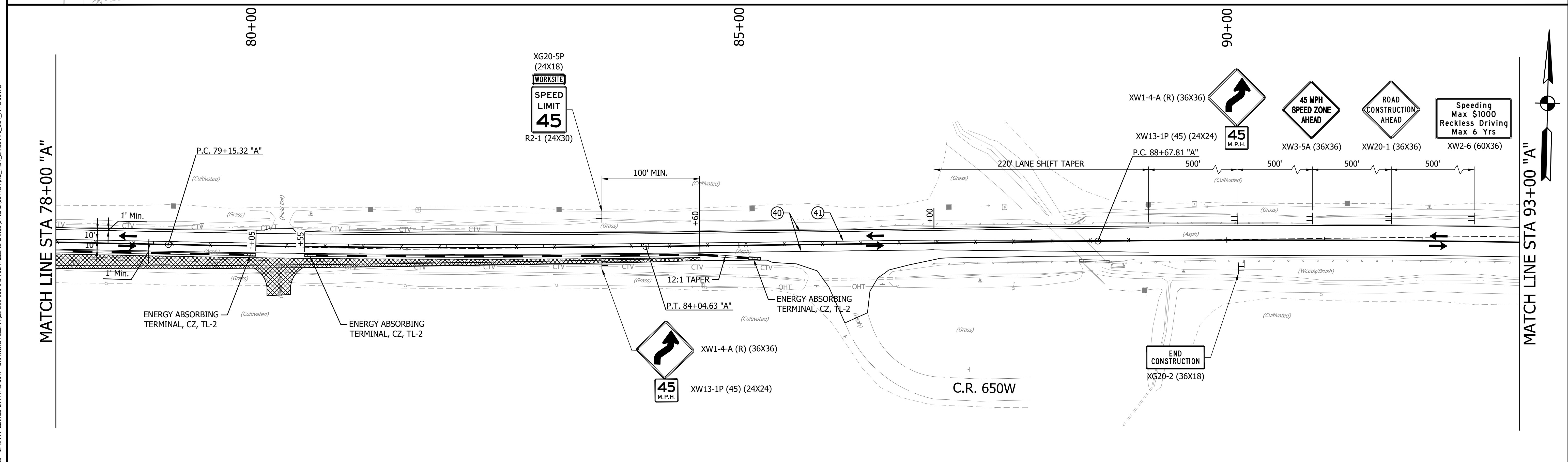
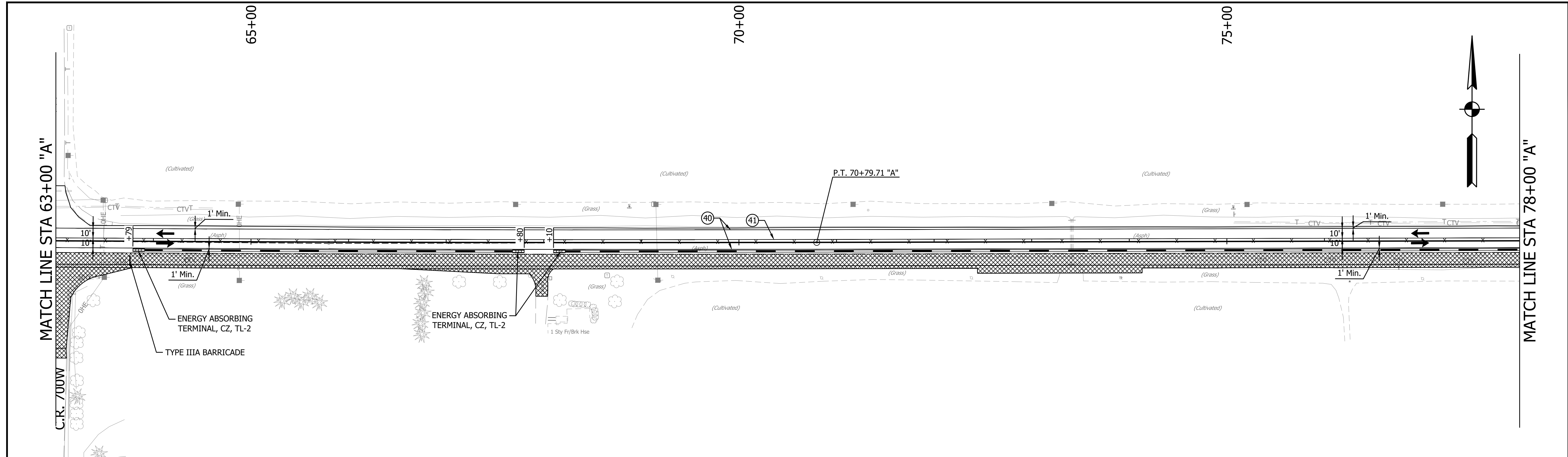


|                          |             |                 |      |
|--------------------------|-------------|-----------------|------|
| RECOMMENDED FOR APPROVAL |             | DESIGN ENGINEER | DATE |
| DESIGNED: YZ             | DRAWN: MRM  |                 |      |
| CHECKED: RDS             | CHECKED: YZ |                 |      |

INDIANA  
 DEPARTMENT OF TRANSPORTATION  
  
 MAINTENANCE OF TRAFFIC  
 PHASE II

|                  |             |
|------------------|-------------|
| HORIZONTAL SCALE | BRIDGE FILE |
| 1" = 50'         |             |
| VERTICAL SCALE   | DESIGNATION |
| N/A              | 1800060     |
| SURVEY BOOK      | SHEET       |
|                  | 20 of 173   |
| CONTRACT         | PROJECT     |
| R-42253          | 1800060     |

PRINT DATE: 4/7/23  
 PLOT SCALE: 1:1  
 EDIT DATE: 3/29/23 - 1:40 PM  
 EDITOR: MMURRAY  
 DRAWING FILE: P:\20-500-65-1 SR 32 PASSING LANES\5 ACAD\05 MOT\RD\_NOT\_SR\_32\_APL\_DET\_PL1A.DWG



**LEGEND**

|  |                        |  |  |
|--|------------------------|--|--|
|  | AREA OF CONSTRUCTION   |  | TEMP. PAVEMENT MARKINGS, SOLID WHITE, 4" |
|  | TEMP. CONCRETE BARRIER |  | TEMP. PAVEMENT MARKINGS, SOLID YELLOW 4" |
|  | TYPE III BARRICADE     |  |  |
|  | TRAFFIC FLOW           |  |  |
|  | STRIPING REMOVAL       |  |  |

**WORK ZONE DESIGN SPEED = 45 MPH**

|                          |                 |      |
|--------------------------|-----------------|------|
| RECOMMENDED FOR APPROVAL | DESIGN ENGINEER | DATE |
| DESIGNED: YZ             | DRAWN: MRM      |      |
| CHECKED: RDS             | CHECKED: YZ     |      |

**INDIANA DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PHASE II**

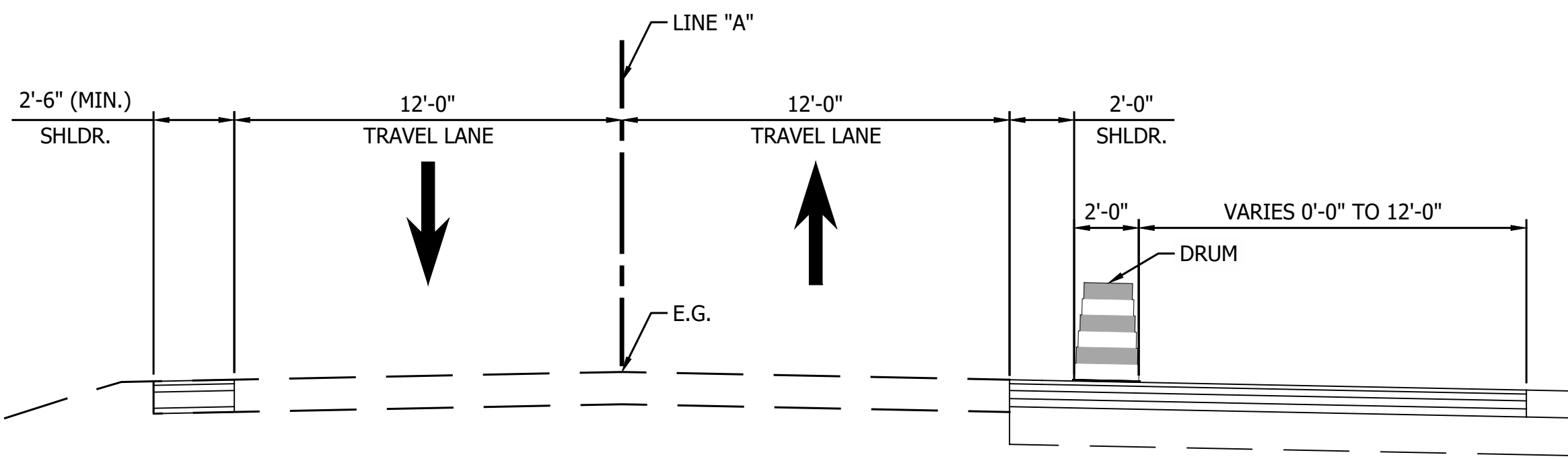
|                  |             |
|------------------|-------------|
| HORIZONTAL SCALE | BRIDGE FILE |
| 1" = 50'         |             |
| VERTICAL SCALE   | DESIGNATION |
| N/A              | 1800060     |
| SURVEY BOOK      | SHEET       |
|                  | 21 of 173   |
| CONTRACT         | PROJECT     |
| R-42253          | 1800060     |

**PHASE III NOTES:**

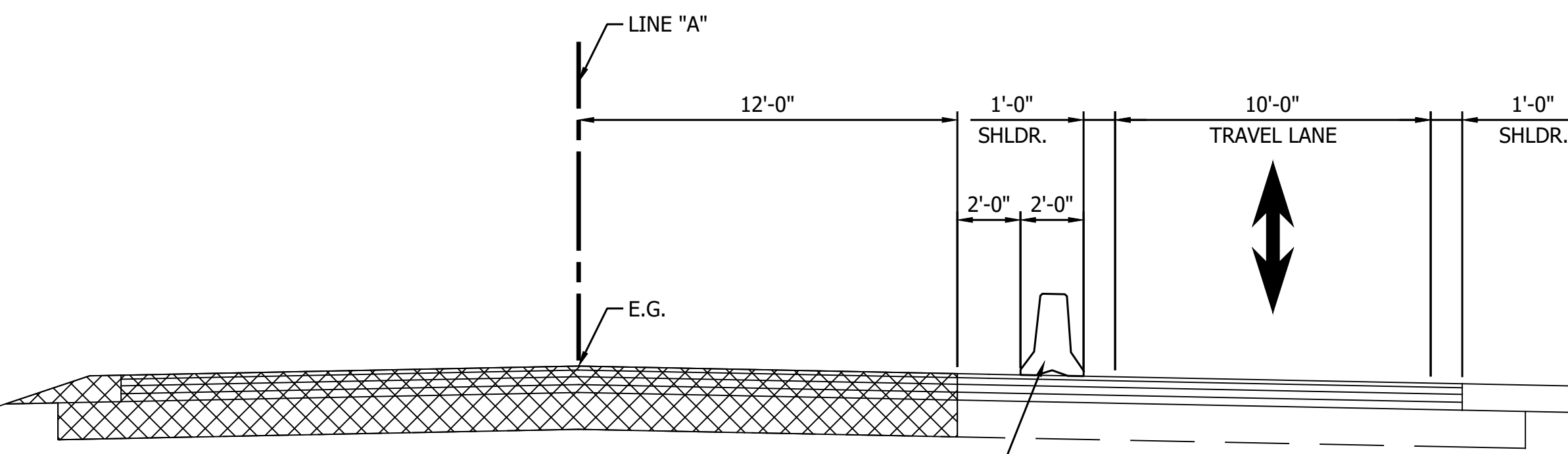
1. PROPOSED PASSING LANE PAVEMENT CONSTRUCTED IN PHASE II SHALL BE CLOSED TO THROUGH TRAFFIC AT ALL TIME AND SHALL ONLY BE UTILIZED FOR MAINTENANCE OF TRAFFIC FOR STRUCTURE INSTALLATION AND PATCHING.
2. INSTALL THE SECTIONS OF STR. NO. 101, 104, AND 120 AND PATCHING UNDER EXISTING PAVEMENT UTILIZING LANE CLOSURE WITH FLAGGERS.
3. INSTALL THE SECTIONS OF STR. NO. 102, 103, 110, 111, 112, 121, 122, AND 123 UNDER EXISTING PAVEMENT UTILIZING LANE CLOSURE WITH TEMPORARY SIGNALS.
4. ONLY ONE SMALL STRUCTURE OR CROSSING CULVERT UNDER EXISTING PAVEMENT SHALL BE CONSTRUCTED AT A TIME.
5. CONSTRUCT THE FULL DEPTH PAVEMENT FOR STRUCTURES AND PATCHING TO MATCH THE EXISTING GRADE.

**PHASE IV NOTES:**

1. PROFILE MILL SR 32 UPON COMPLETION OF INSTALLING ALL THE SMALL STRUCTURES, CROSSING CULVERTS, AND PATCHING.
2. APPLY ALL SURFACE AND INTERMEDIATE PAVEMENT LAYERS TO ACHIEVE THE FINAL GRADE.
3. THIS WORKS SHALL BE COMPLETED UNDER A MOVING OPERATION AND UTILIZED FLAGGERS.
4. APPLY FINAL PAVEMENT MARKINGS AND INSTALL ALL RAISED PAVEMENT MARKERS UNDER FLAGGING OPERATION.



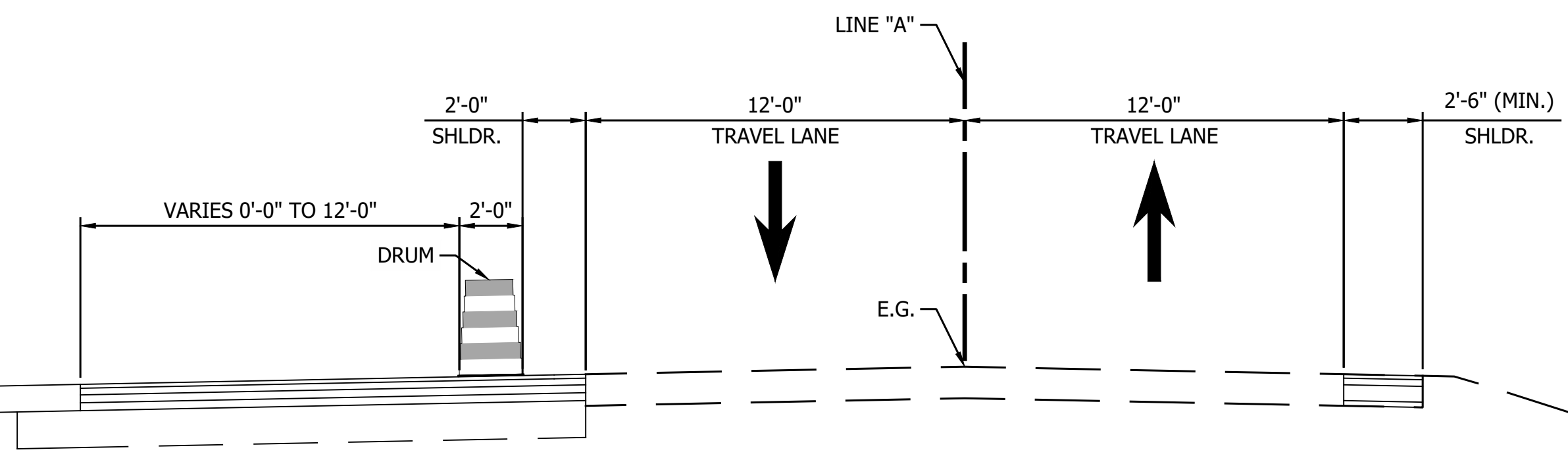
**TYPICAL SECTION**  
 STA. 632+00.00 TO STA. 686+22.00 "A"  
 STA. 26+40.11 TO STA. 84+59.89 "A"



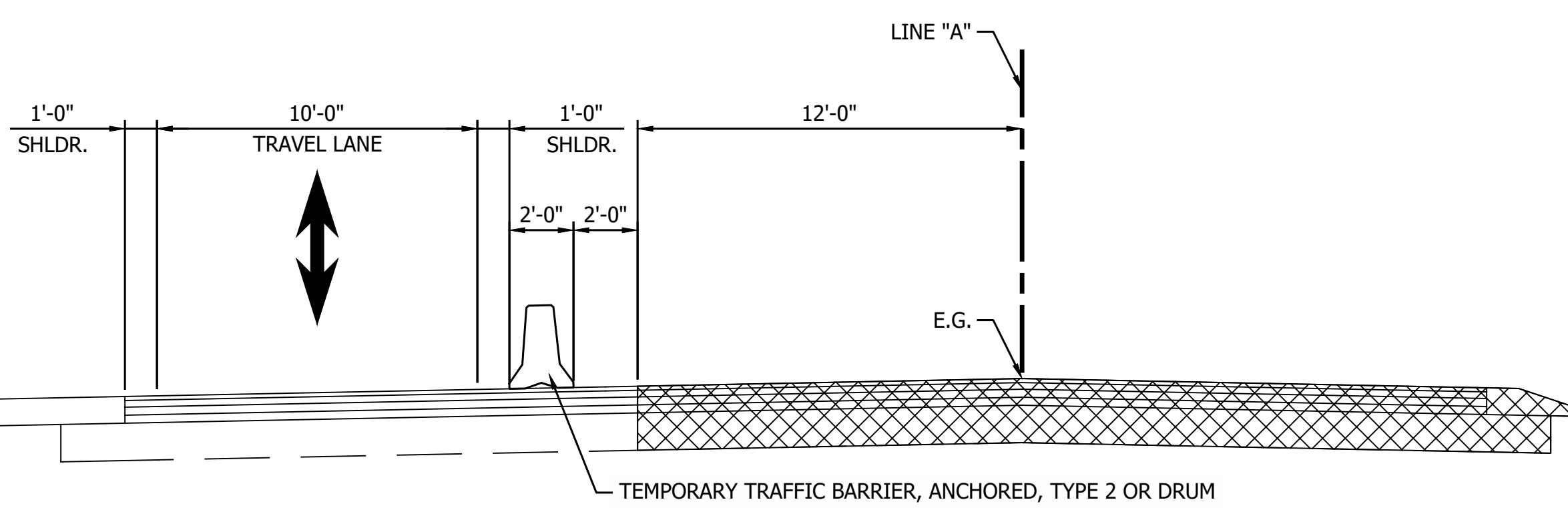
**TYPICAL SECTION - LANE CLOSURE WITH FLAGGERS OR TEMPORARY SIGNALS**  
 STA. 632+00.00 TO STA. 686+22.00 "A"  
 STA. 26+40.11 TO STA. 84+59.89 "A"

WORK ZONE DESIGN SPEED = 45 MPH

|   |  |  |   |   |
|---|--|--|---|---|
| <b>LEGEND</b><br>Area of Construction<br>Shoulder Strengthening |  | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER DATE | INDIANA<br>DEPARTMENT OF TRANSPORTATION | HORIZONTAL SCALE _____<br>BRIDGE FILE   |
|   |  | DESIGNED: <u>YZ</u><br>CHECKED: <u>RDS</u>             |   | DRAWN: <u>MRM</u><br>CHECKED: <u>YZ</u> |
|   |  |  |   | SURVEY BOOK _____<br>SHEET 22 of 173    |
|   |  |  |   | CONTRACT R-42253<br>PROJECT 1800060     |



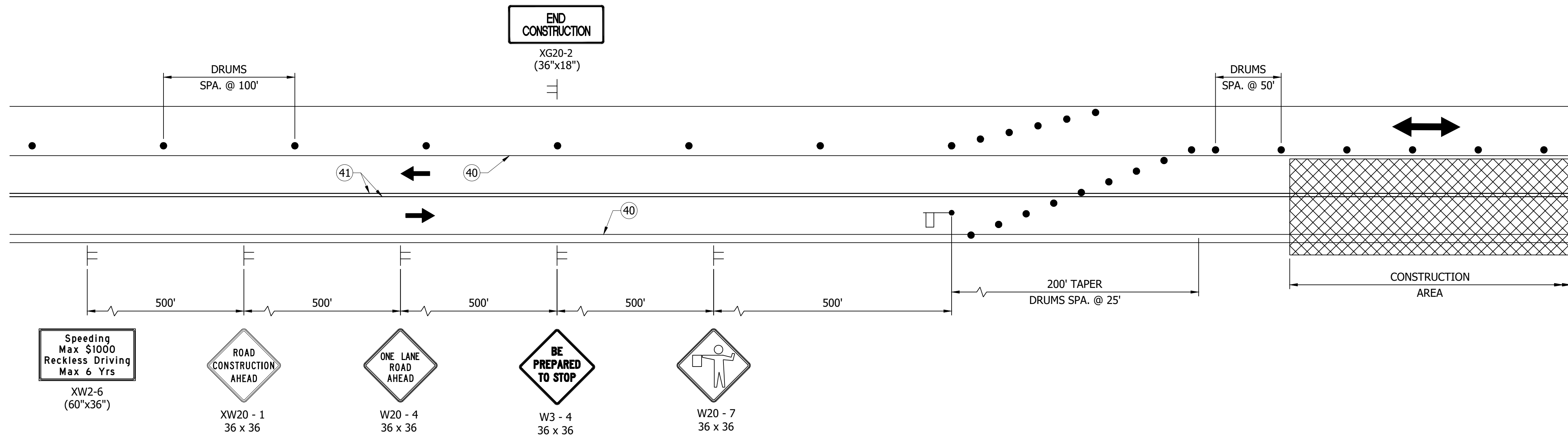
TYPICAL SECTION INCIDENTAL CONSTRUCTION AREA  
STA. 748+00.00 TO STA. 801+00.00 "A"



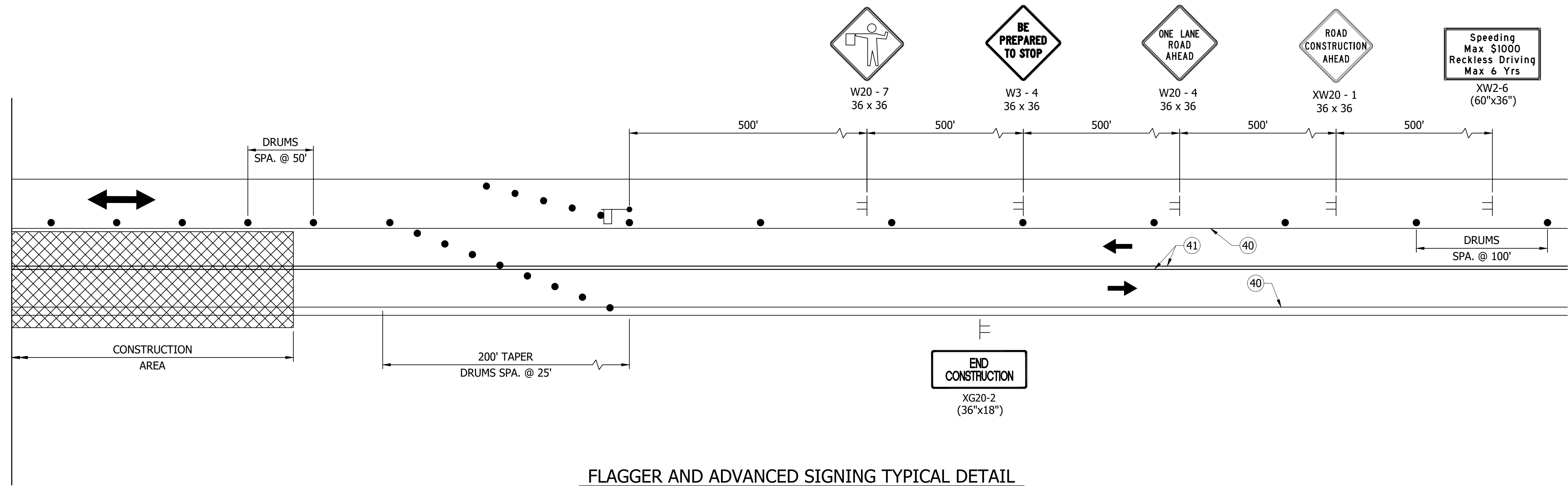
TYPICAL SECTION CONSTRUCTION AREA - LANE CLOSURE WITH FLAGGERS OR TEMPORARY SIGNALS  
STA. 748+00.00 TO STA. 801+00.00 "A"

WORK ZONE DESIGN SPEED = 45 MPH

|   |  |  |  |   |
|---|--|--|--|---|
| <b>LEGEND</b><br>Area of Construction<br>Shoulder Strengthening |  | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER DATE | INDIANA<br>DEPARTMENT OF TRANSPORTATION<br><br>MAINTENANCE OF TRAFFIC - PHASE III<br>S.R. 32 | HORIZONTAL SCALE _____<br>BRIDGE FILE _____ |
|   |  | DESIGNED: <u>YZ</u><br>CHECKED: <u>RDS</u>             |  | DRAWN: <u>MRM</u><br>CHECKED: <u>YZ</u>     |
|   |  |  |  | SURVEY BOOK _____<br>SHEET<br>23 of 173     |
|   |  |  |  | CONTRACT<br>R-42253<br>PROJECT<br>1800060   |



**FLAGGER AND ADVANCED SIGNING TYPICAL DETAIL**  
NOT TO SCALE

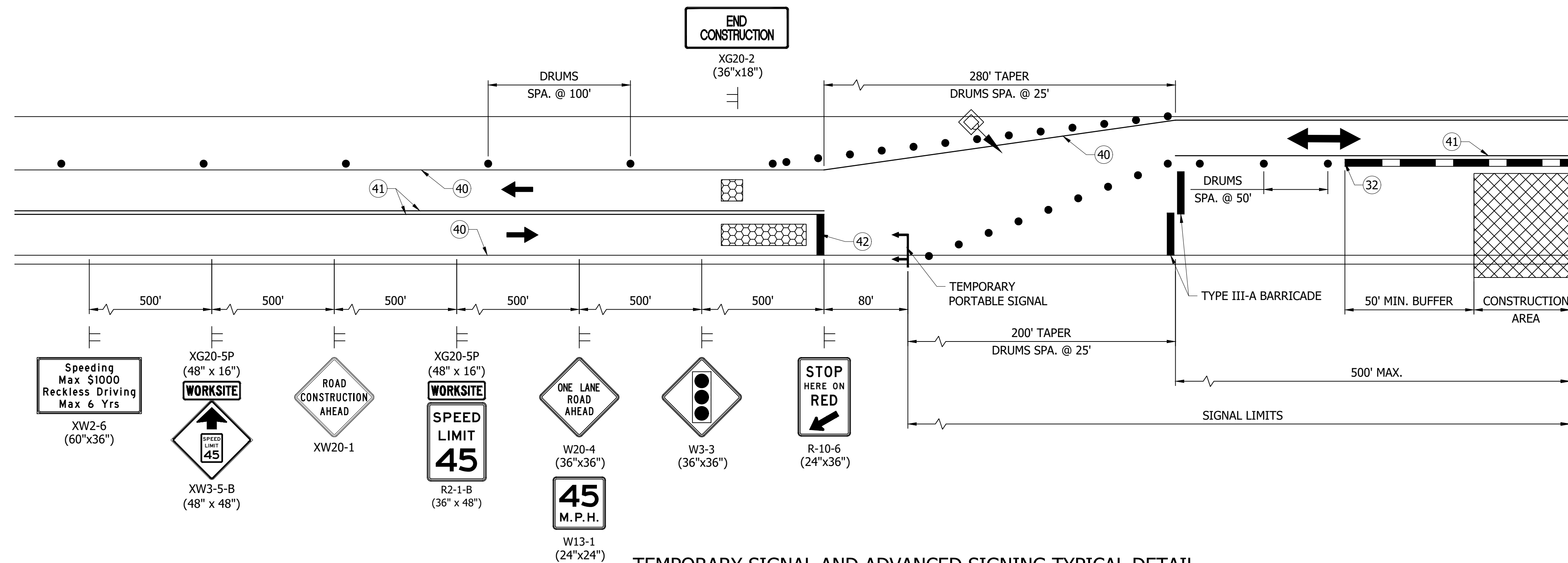


**FLAGGER AND ADVANCED SIGNING TYPICAL DETAIL**  
NOT TO SCALE

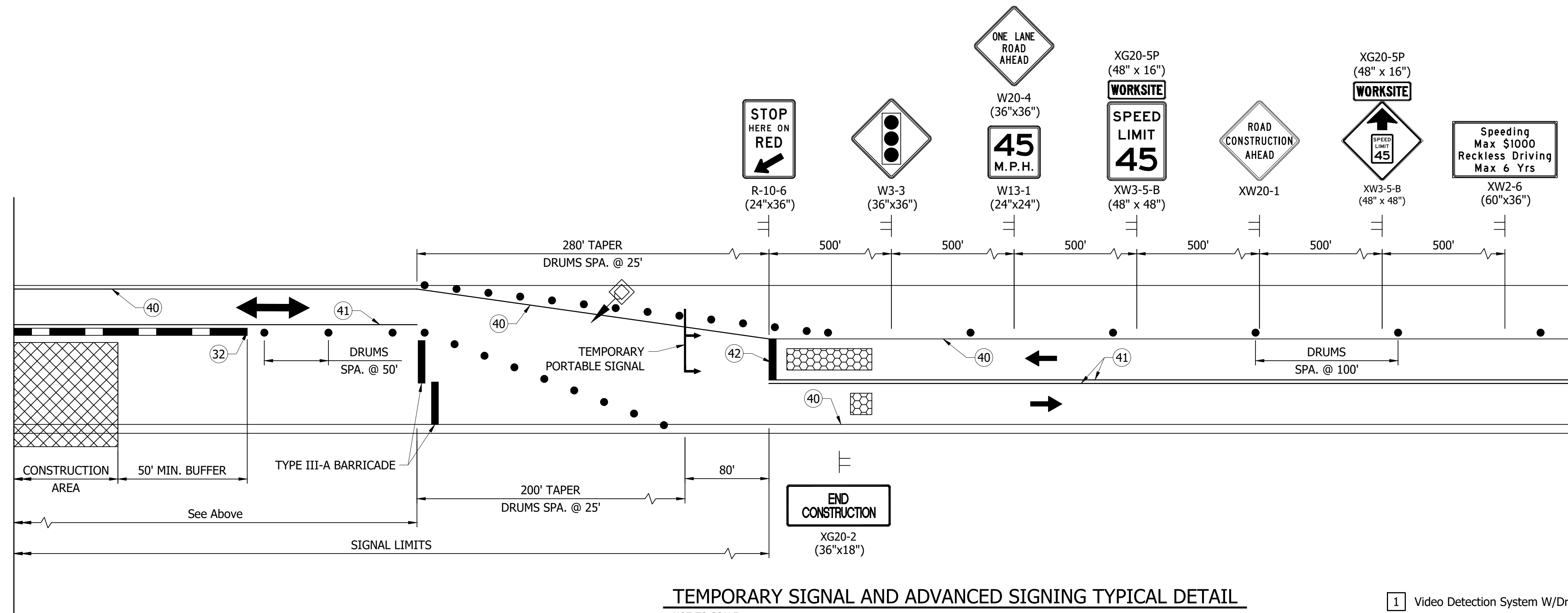
WORK ZONE DESIGN SPEED = 45 MPH

|   |  |                                      |  |  |   |
|---|--|--------------------------------------|--|--|---|
| <b>LEGEND</b><br>Area of Construction<br>Shoulder Strengthening<br>Detection Zone<br>Temporary Concrete Barrier, Anchored, Type 2 | (32) CZ Impact Attenuator TL-3<br>(40) Temp. Pavement Markings, Removable, 4" (Solid, White)<br>(41) Temp. Pavement Markings, Removable, 4" (Solid, Yellow)<br>(42) Temp. Pavement Markings, Removable, 24" (Solid, White) | Construction Sign<br>Drum<br>Flagger | RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____<br>DESIGNED: <u>YZ</u> DRAWN: <u>MRM</u><br>CHECKED: <u>RDS</u> CHECKED: <u>YZ</u> | INDIANA DEPARTMENT OF TRANSPORTATION<br><b>MAINTENANCE OF TRAFFIC - PHASE III</b><br><b>FLAGGER OPERATIONS</b> | HORIZONTAL SCALE<br>NOT TO SCALE<br>VERTICAL SCALE<br>N/A<br>SURVEY BOOK _____ SHEET _____<br>CONTRACT R-42253 PROJECT 1800060<br>24 of 173 |
|---|--|--------------------------------------|--|--|---|

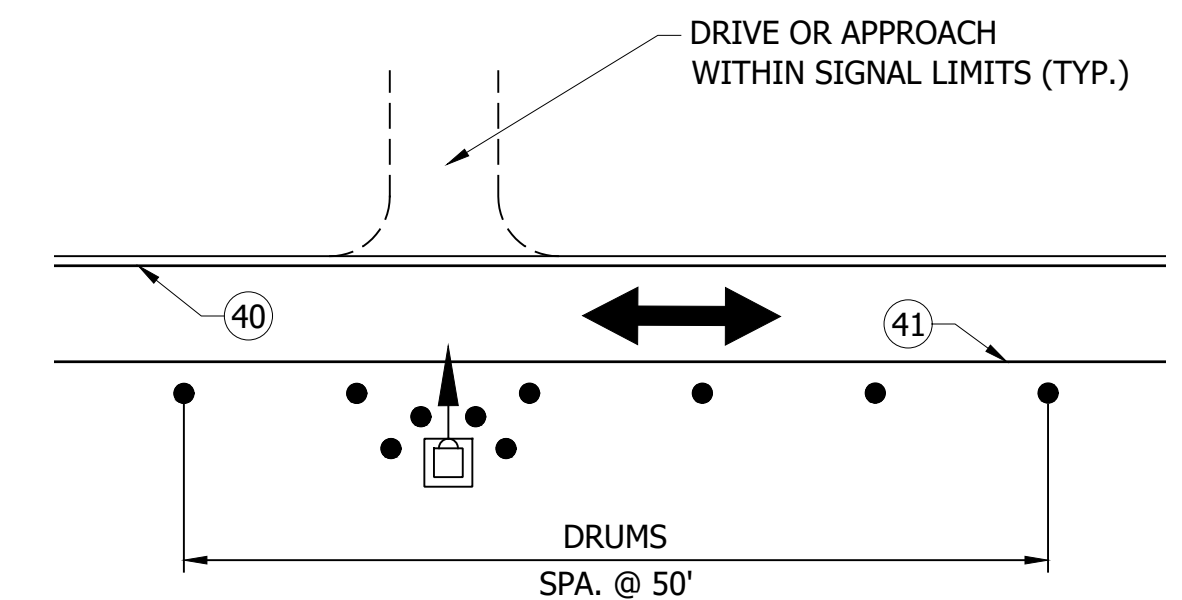




**TEMPORARY SIGNAL AND ADVANCED SIGNING TYPICAL DETAIL**  
NOT TO SCALE



**TEMPORARY SIGNAL AND ADVANCED SIGNING TYPICAL DETAIL**  
NOT TO SCALE



**DRIVE OR APPROACH WITHIN SIGNAL LIMITS DETAIL**  
NOT TO SCALE

1 Video Detection System W/Driveway Assistance Device and Two Signs:  
R10-11 "NO TURN ON RED" (18" x 24") & "YIELD IN DIRECTION OF  
FLASHING RED ARROW AFTER STOP" (30" x 30")

WORK ZONE DESIGN SPEED = 45 MPH

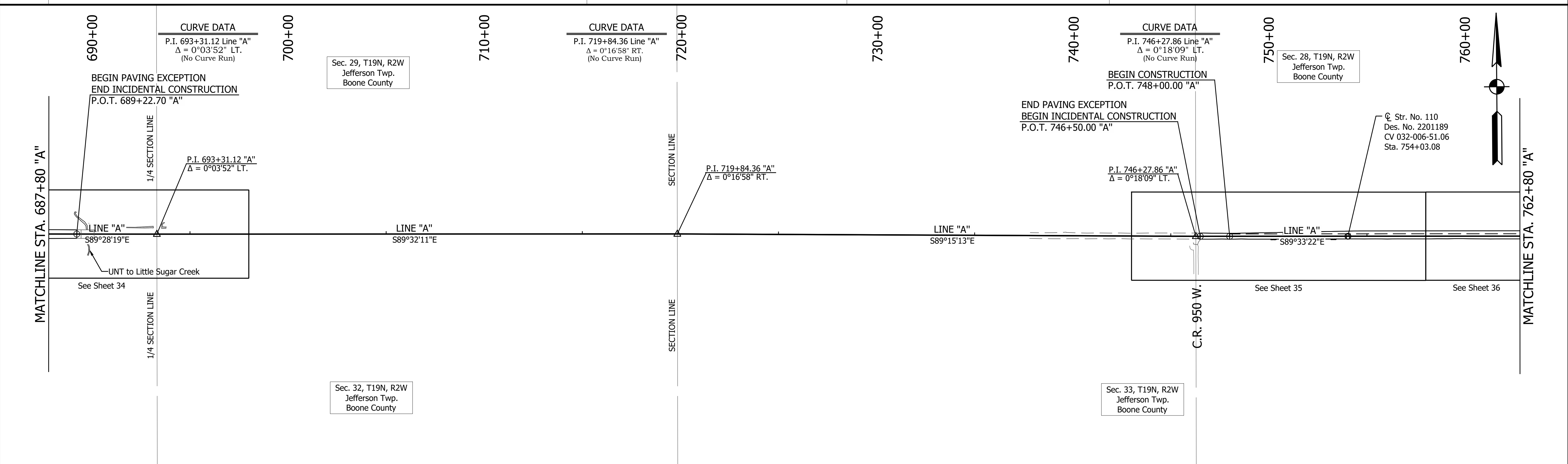
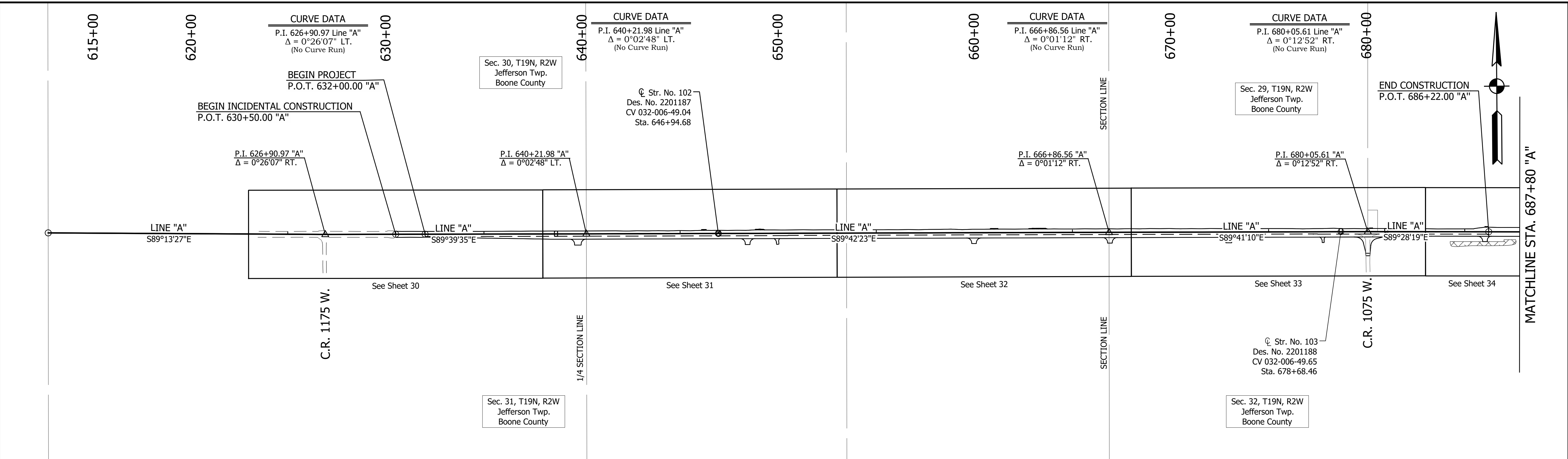
| LEGEND |   |   |
|--------|---|---|
|        | (32) CZ Impact Attenuator TL-3                              |   |
|        | (40) Temp. Pavement Markings, Removable, 4" (Solid, White)  |   |
|        | (41) Temp. Pavement Markings, Removable, 4" (Solid, Yellow) |   |
|        | (42) Temp. Pavement Markings, Removable, 24" (Solid, White) |   |
|        |   | 1 |

|                          |                 |      |
|--------------------------|-----------------|------|
| RECOMMENDED FOR APPROVAL | DESIGN ENGINEER | DATE |
| DESIGNED: YZ             | DRAWN: MRM      |      |
| CHECKED: RDS             | CHECKED: YZ     |      |

|   |  |
|---|--|
| INDIANA<br>DEPARTMENT OF TRANSPORTATION                           |  |
| MAINTENANCE OF TRAFFIC - PHASE III<br>TEMPORARY SIGNAL OPERATIONS |  |

|                  |             |
|------------------|-------------|
| HORIZONTAL SCALE | BRIDGE FILE |
| NOT TO SCALE     |             |
| VERTICAL SCALE   | DESIGNATION |
| N/A              | 1800060     |
| SURVEY BOOK      | SHEET       |
|                  | 25 of 173   |
| CONTRACT         | PROJECT     |
| R-42253          | 1800060     |

PRINT DATE: 4/7/23  
 PLOT SCALE: 1:1  
 EDIT DATE: 4/7/23 - 11:10 AM  
 EDITED BY: MMURRAY  
 DRAWING FILE: P:\20-500-165-1 SR 32 PASSING LANES\5 ACAD\06 PLAN PROF\RD\_SHT\_PLAN\_STRIP.DWG



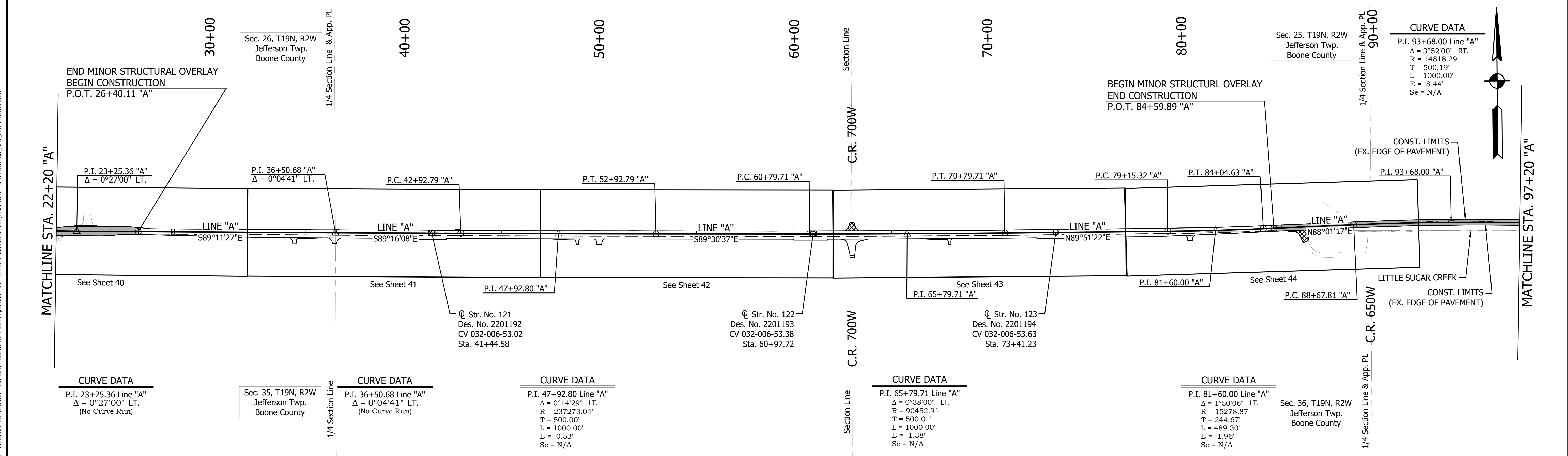
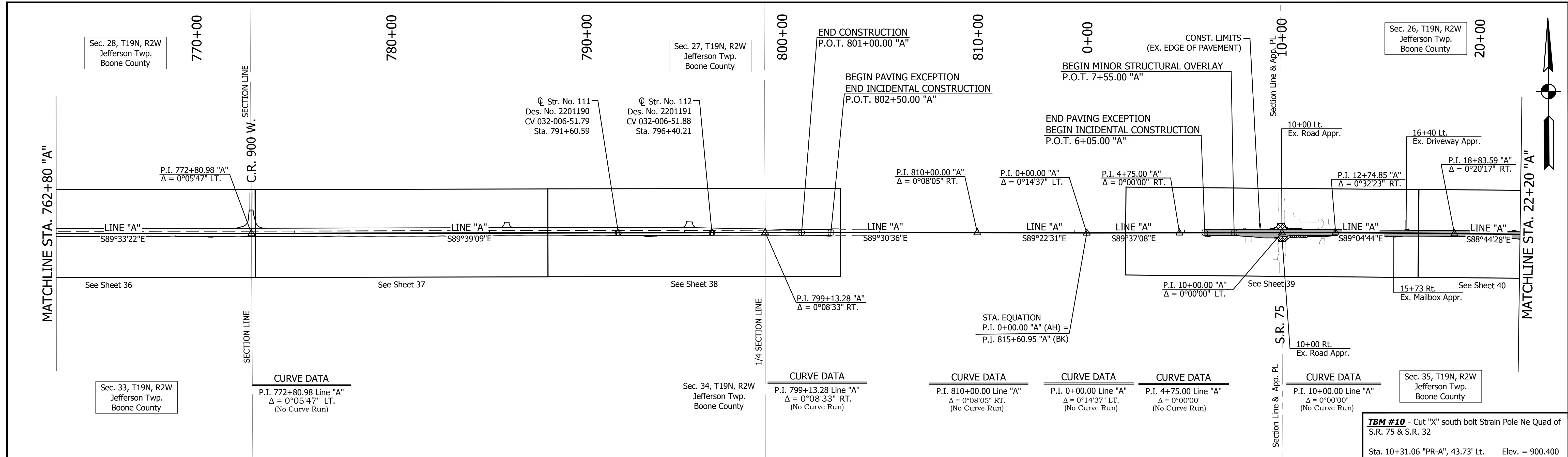
Approach Milling and HMA Overlay  
 Structural Overlay (See Typical Sections)

|                          |             |                 |      |
|--------------------------|-------------|-----------------|------|
| RECOMMENDED FOR APPROVAL |             | DESIGN ENGINEER | DATE |
| DESIGNED: ROP            | DRAWN: MRM  |                 |      |
| CHECKED: YZ              | CHECKED: YZ |                 |      |

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
  
**STRIP PLAN**  
**STA. 612+50.00 TO 762+80.00 LINE "A"**

|                  |             |
|------------------|-------------|
| HORIZONTAL SCALE | BRIDGE FILE |
| 1"=250'          |             |
| VERTICAL SCALE   | DESIGNATION |
| N/A              | 1800060     |
| SURVEY BOOK      | SHEET       |
|                  | 26 of 173   |
| CONTRACT         | PROJECT     |
| R-42253          | 1800060     |

PRINT DATE: 4/7/23  
 PLOT SCALE: 1:1  
 EDIT DATE: 4/7/23 - 11:10 AM  
 EDITOR: MMURRAY  
 DRAWING FILE: P:\20-500-165-1 SR 32 PASSING LANES\5 ACAD\06 PLAN\PROJ\RD\_SHT\_PLAN\_STRIP.DWG



**TBM #10** - Cut "X" south bolt Strain Pole Ne Quad of S.R. 75 & S.R. 32  
 Sta. 10+31.06 "PR-A", 43.73' Lt. Elev. = 900.400

**CURVE DATA**  
 P.I. 93+68.00 Line "A"  
 $\Delta = 3^{\circ}52'00''$  RT.  
 R = 14818.29'  
 T = 500.19'  
 L = 1000.00'  
 E = 8.44'  
 Se = N/A

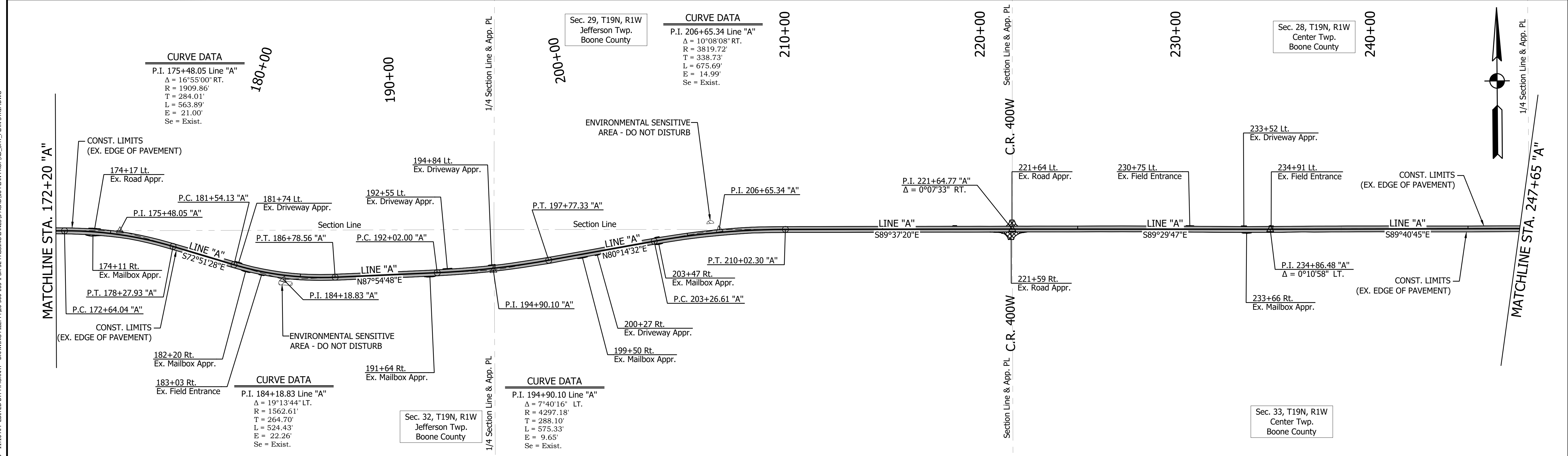
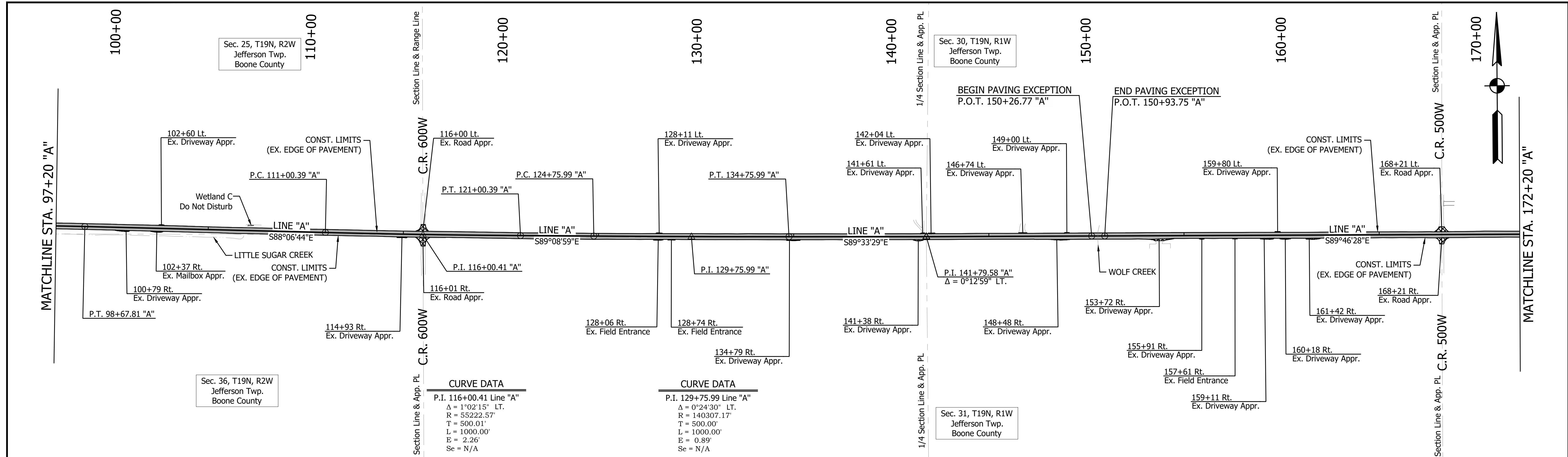
Approach Milling and HMA Overlay  
 Structural Overlay (See Typical Sections)

|                          |  |                 |  |      |  |
|--------------------------|--|-----------------|--|------|--|
| RECOMMENDED FOR APPROVAL |  | DESIGN ENGINEER |  | DATE |  |
| DESIGNED: ROP            |  | DRAWN: MRM      |  |      |  |
| CHECKED: YZ              |  | CHECKED: YZ     |  |      |  |

**INDIANA DEPARTMENT OF TRANSPORTATION**  
**STRIP PLAN**  
**STA. 762+80.00 TO 97+20.00 LINE "A"**

|                  |             |
|------------------|-------------|
| HORIZONTAL SCALE | BRIDGE FILE |
| 1"=250'          |             |
| VERTICAL SCALE   | DESIGNATION |
| N/A              | 1800060     |
| SURVEY BOOK      | SHEET       |
|                  | 27 of 173   |
| CONTRACT         | PROJECT     |
| R-42253          | 1800060     |

PRINT DATE: 4/7/23 11:10 AM EDITED BY: MMURRAY DRAWING FILE: P:\20-500-165-1 SR 32 PASSING LANES\5 ACAD\06 PLAN PROF\RD\_SHT\_PLAN\_STRIP.DWG  
 PLOT SCALE: 1:1

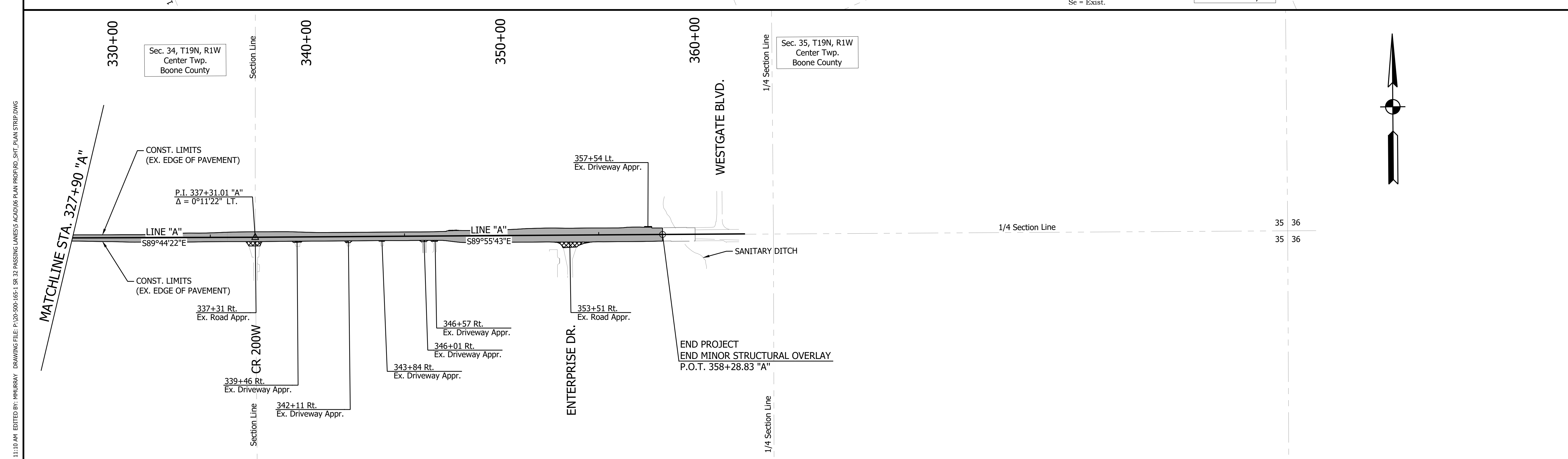
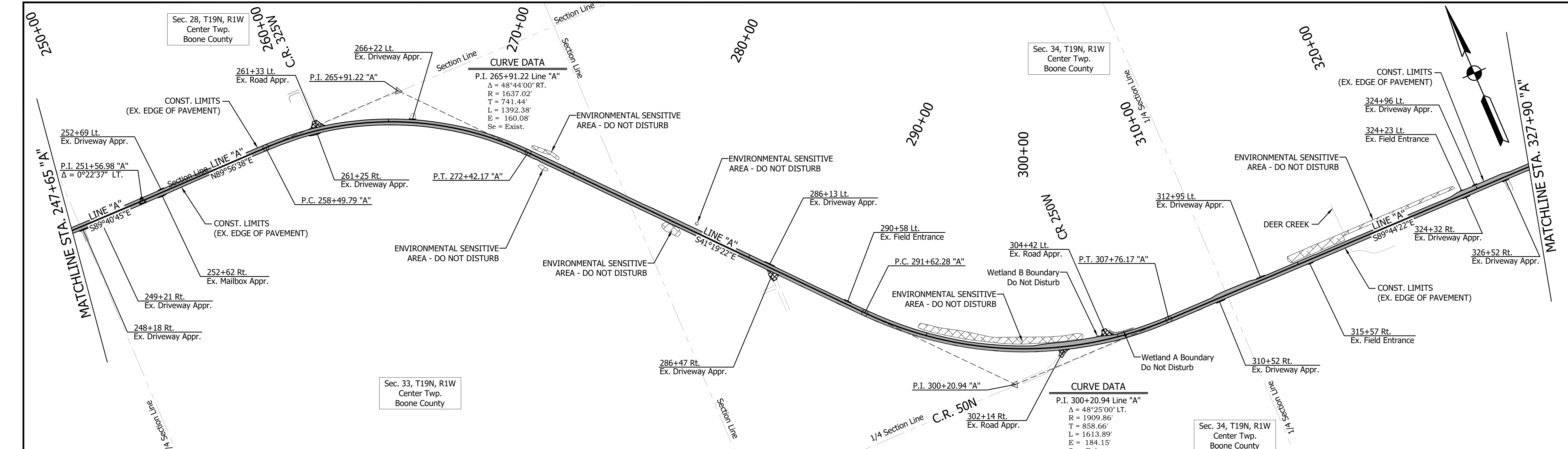


- Approach Milling and HMA Overlay
- Structural Overlay (See Typical Sections)

|                          |                    |
|--------------------------|--------------------|
| RECOMMENDED FOR APPROVAL |                    |
| DESIGN ENGINEER          | DATE               |
| DESIGNED: <u>ROP</u>     | DRAWN: <u>MRM</u>  |
| CHECKED: <u>YZ</u>       | CHECKED: <u>YZ</u> |

**INDIANA DEPARTMENT OF TRANSPORTATION**  
  
**STRIP PLAN**  
**STA. 97+20.00 TO 247+65.00 LINE "A"**

|                  |             |
|------------------|-------------|
| HORIZONTAL SCALE | BRIDGE FILE |
| 1"=250'          |             |
| VERTICAL SCALE   | DESIGNATION |
| N/A              | 1800060     |
| SURVEY BOOK      | SHEET       |
|                  | 28 of 173   |
| CONTRACT         | PROJECT     |
| R-42253          | 1800060     |



PRINT DATE: 4/7/23 11:10 AM EDITED BY: MMURRAY DRAWING FILE: P:\20-500-165-1 SR 32 PASSING LANES\5 ACAD\06 PLAN PROF\RD\_SHT\_PLAN\_STRIP.DWG  
 PLOT SCALE: 1:1

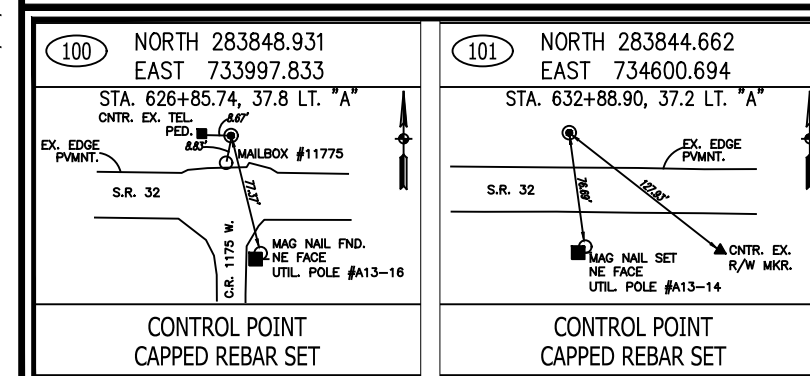
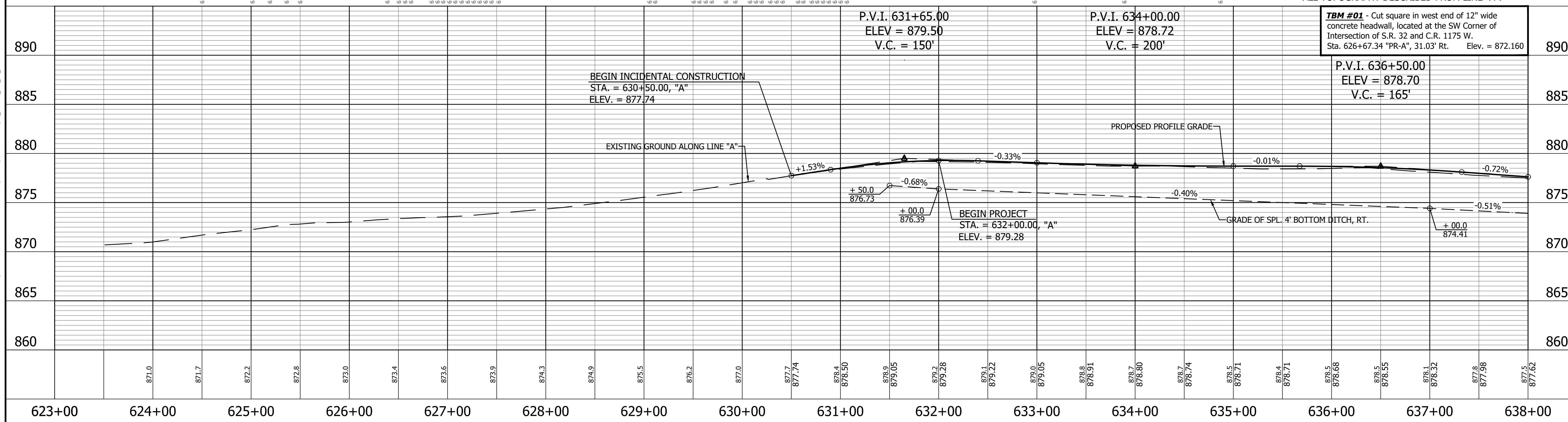
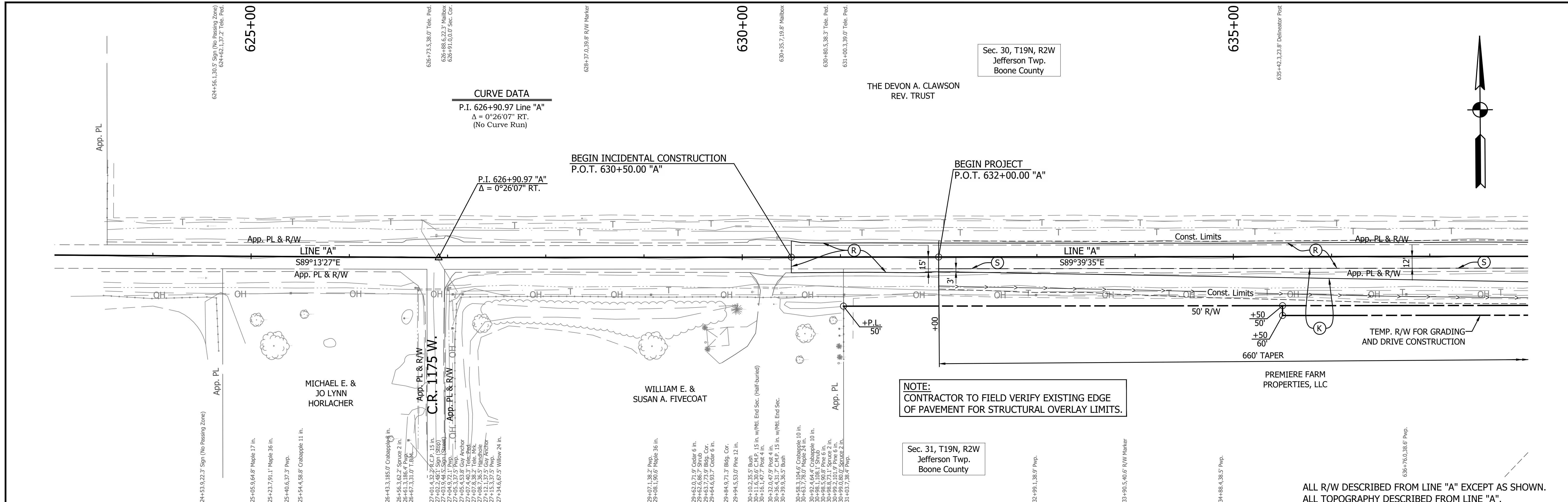
- Approach Milling and HMA Overlay
- Structural Overlay (See Typical Sections)

|                          |                    |                 |      |
|--------------------------|--------------------|-----------------|------|
| RECOMMENDED FOR APPROVAL |                    | DESIGN ENGINEER | DATE |
| DESIGNED: <u>ROP</u>     | DRAWN: <u>MRM</u>  |                 |      |
| CHECKED: <u>YZ</u>       | CHECKED: <u>YZ</u> |                 |      |

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
  
**STRIP PLAN**  
**STA. 247+65.00 TO 362+50.00 LINE "A"**

|                  |             |
|------------------|-------------|
| HORIZONTAL SCALE | BRIDGE FILE |
| 1"=250'          |             |
| VERTICAL SCALE   | DESIGNATION |
| N/A              | 1800060     |
| SURVEY BOOK      | SHEET       |
|                  | 29 of 173   |
| CONTRACT         | PROJECT     |
| R-42253          | 1800060     |

PRINT DATE: 4/7/23  
 PLOT SCALE: 1:1  
 EDIT DATE: 3/29/23 - 2:02 PM  
 EDITOR: MMURRAY  
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**LEGEND**

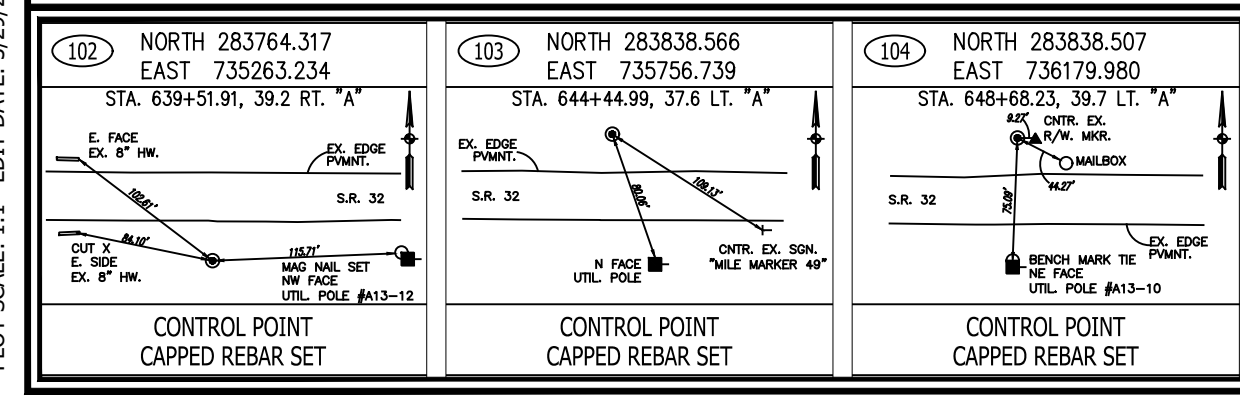
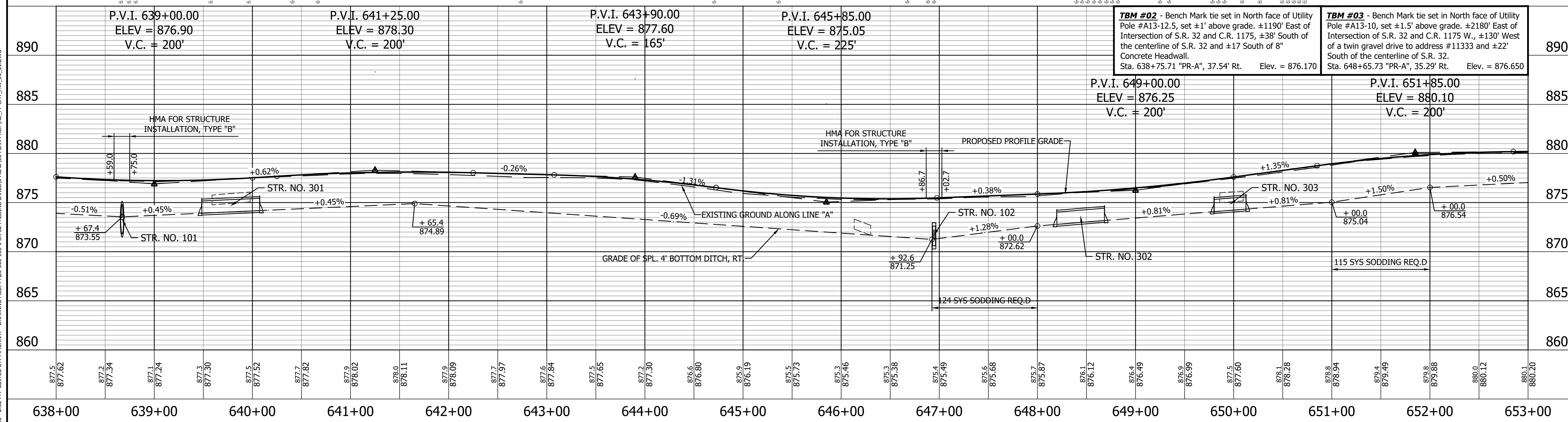
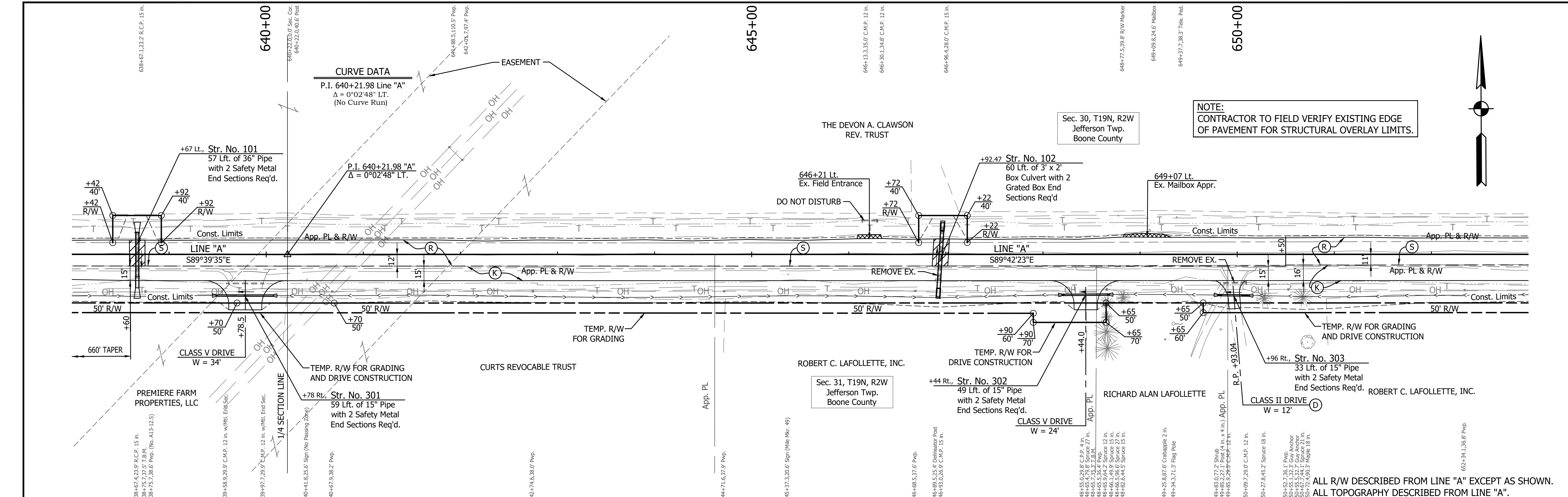
|  |  |
|--|--|
| (D) HMA for Approaches                         | (Hatched) HMA for Structure Installation, Type B |
| (K) Full Depth Pavement (See Typical Sections) | (Cross-hatched) Approach Milling and HMA Overlay |
| (R) Structural Overlay (See Typical Sections)  |  |
| (R1) HMA Overlay (See Typical Sections)        |  |

|                          |                 |      |
|--------------------------|-----------------|------|
| RECOMMENDED FOR APPROVAL | DESIGN ENGINEER | DATE |
| DESIGNED: ROP            | DRAWN: KRJ      |      |
| CHECKED: RDS             | CHECKED: RDS    |      |

**INDIANA DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE**  
 STA. 632+00.00 TO 638+00.00 LINE "A"

|                  |             |
|------------------|-------------|
| HORIZONTAL SCALE | BRIDGE FILE |
| 1" = 50'         |             |
| VERTICAL SCALE   | DESIGNATION |
| 1" = 5'          | 1800060     |
| SURVEY BOOK      | SHEET       |
|                  | 30 of 173   |
| CONTRACT         | PROJECT     |
| R-42253          | 1800060     |



**LEGEND**

- (D) HMA for Approaches
- (K) Full Depth Pavement (See Typical Sections)
- (R) Structural Overlay (See Typical Sections)
- (R1) HMA Overlay (See Typical Sections)
- HMA for Structure Installation, Type B
- Approach Milling and HMA Overlay

**RECOMMENDED FOR APPROVAL**

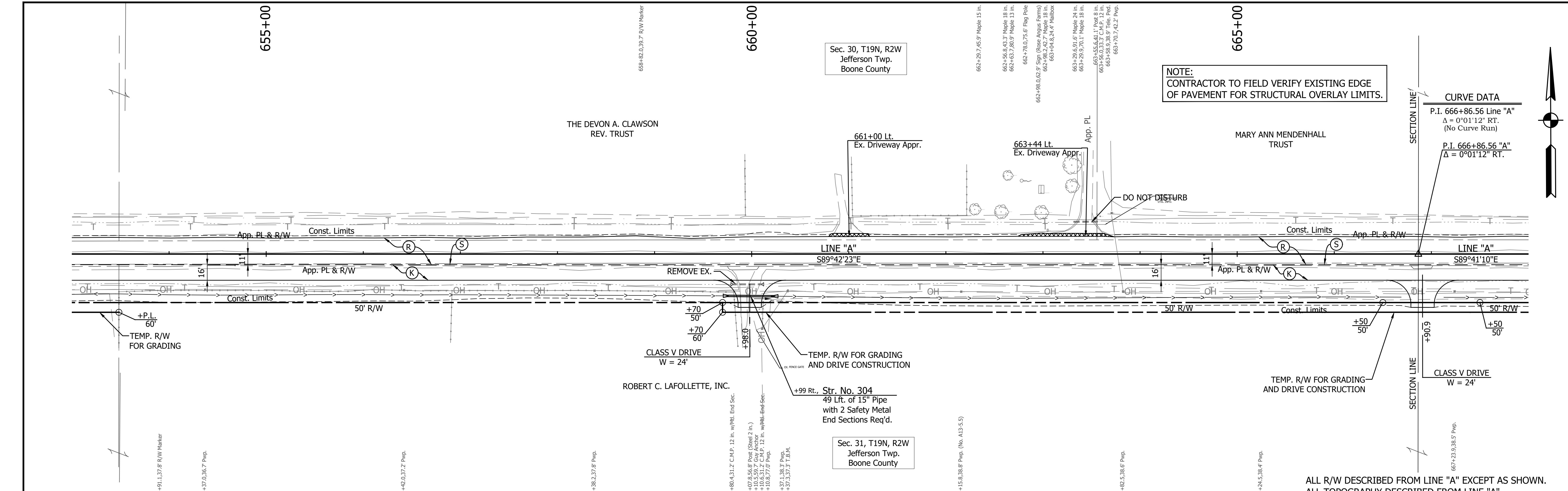
|               |              |
|---------------|--------------|
| DESIGNED: ROP | DRAWN: KRJ   |
| CHECKED: RDS  | CHECKED: RDS |

**INDIANA DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE**  
 STA. 638+00.00 TO 653+00.00 LINE "A"

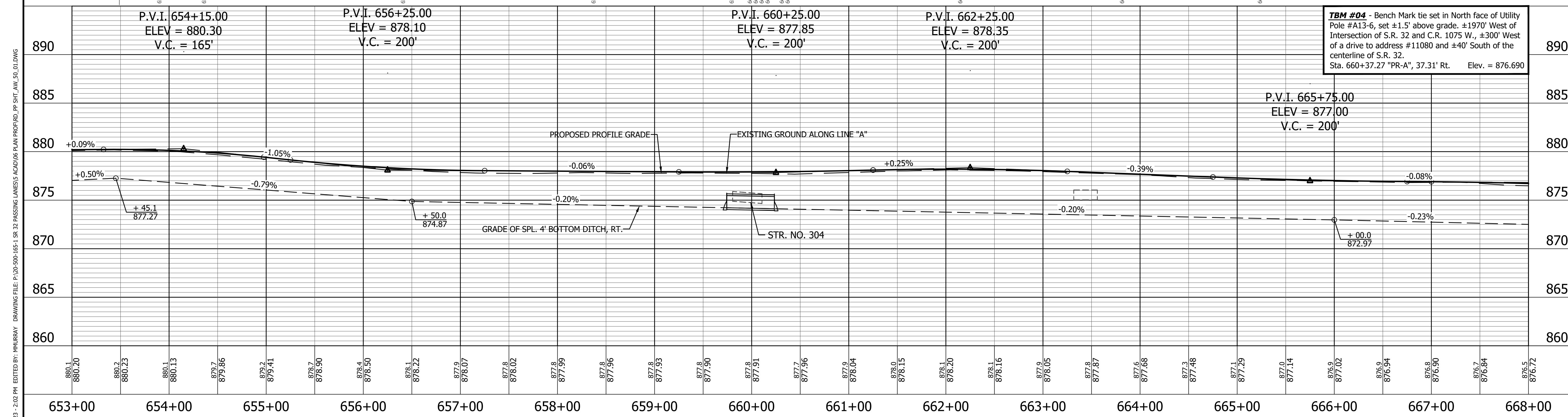
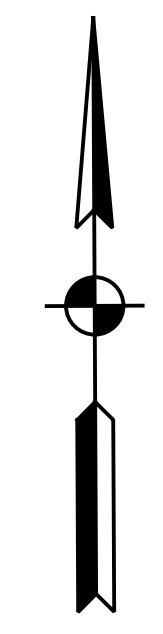
|                              |                        |
|------------------------------|------------------------|
| HORIZONTAL SCALE<br>1" = 50' | BRIDGE FILE            |
| VERTICAL SCALE<br>1" = 5'    | DESIGNATION<br>1800060 |
| SURVEY BOOK                  | SHEET<br>31 of 173     |
| CONTRACT<br>R-42253          | PROJECT<br>1800060     |

PRINT DATE: 4/7/23  
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 EDITOR: MMURRAY  
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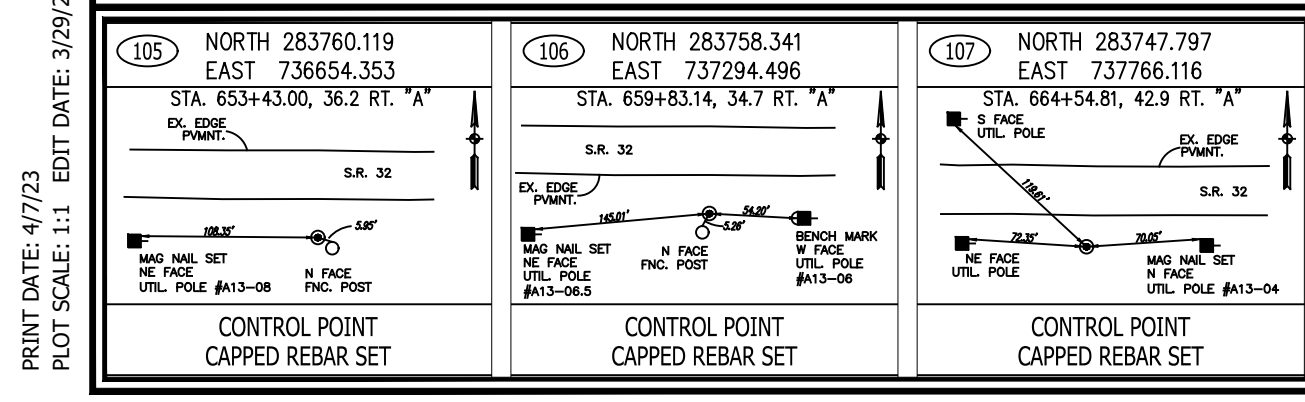


**NOTE:**  
CONTRACTOR TO FIELD VERIFY EXISTING EDGE OF PAVEMENT FOR STRUCTURAL OVERLAY LIMITS.

| CURVE DATA              |   |
|-------------------------|---|
| P.I. 666+86.56 Line "A" | $\Delta = 0^{\circ}01'12''$ RT.<br>(No Curve Run) |
| P.I. 666+86.56 "A"      | $\Delta = 0^{\circ}01'12''$ RT.                   |



**TBM #04** - Bench Mark tie set in North face of Utility Pole #A13-6, set ±1.5' above grade. ±1970' West of Intersection of S.R. 32 and C.R. 1075 W., ±300' West of a drive to address #11080 and ±40' South of the centerline of S.R. 32. Sta. 660+37.27 "PR-A", 37.31' Rt. Elev. = 876.690



**LEGEND**

|  |  |
|--|--|
| (D) HMA for Approaches                         | (H) HMA for Structure Installation, Type B |
| (K) Full Depth Pavement (See Typical Sections) | (X) Approach Milling and HMA Overlay       |
| (R) Structural Overlay (See Typical Sections)  |  |
| (R1) HMA Overlay (See Typical Sections)        |  |

|                          |                     |      |
|--------------------------|---------------------|------|
| RECOMMENDED FOR APPROVAL | DESIGN ENGINEER     | DATE |
| DESIGNED: <u>ROP</u>     | DRAWN: <u>KRU</u>   |      |
| CHECKED: <u>RDS</u>      | CHECKED: <u>RDS</u> |      |

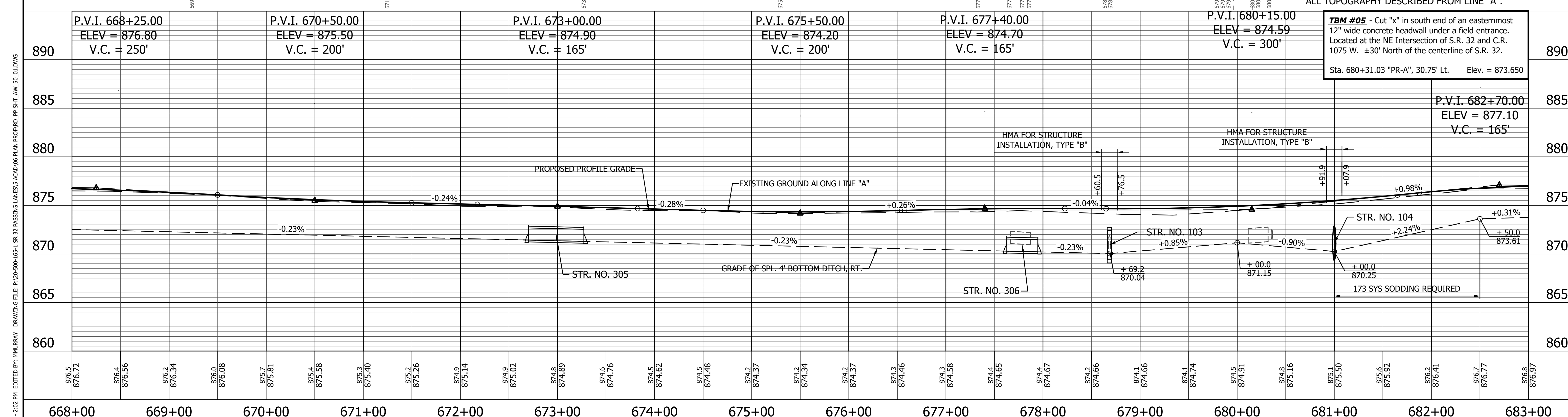
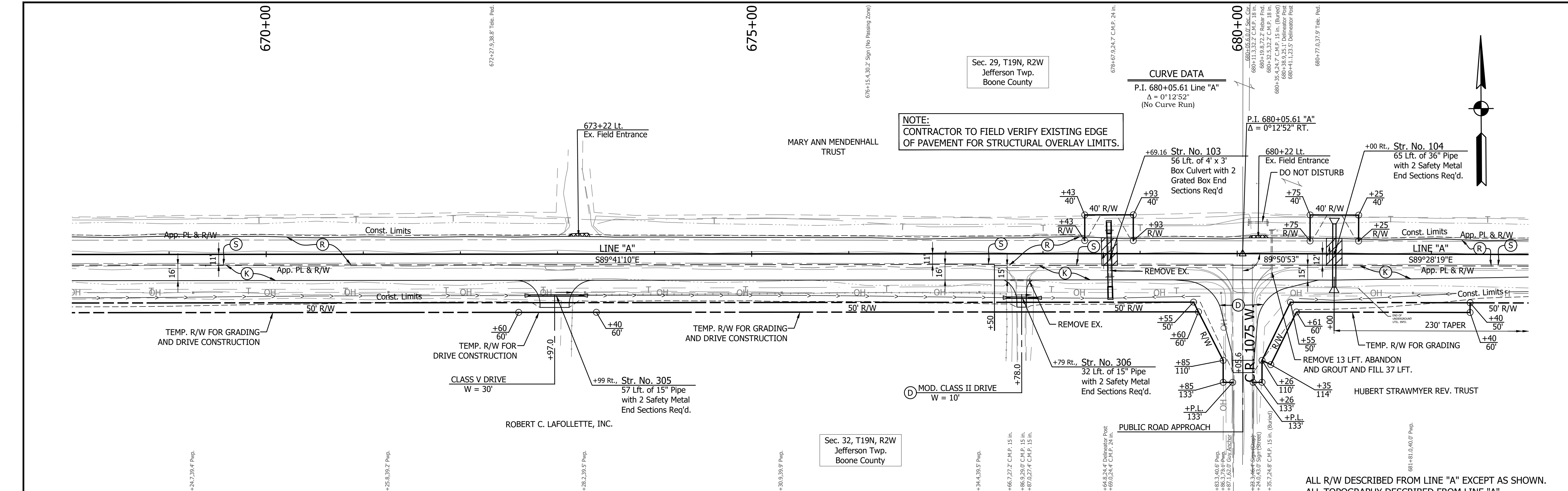
**INDIANA DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE**  
STA. 653+00.00 TO 668+00.00 LINE "A"

|                  |             |
|------------------|-------------|
| HORIZONTAL SCALE | BRIDGE FILE |
| 1" = 50'         |             |
| VERTICAL SCALE   | DESIGNATION |
| 1" = 5'          | 1800060     |
| SURVEY BOOK      | SHEET       |
|                  | 32 of 173   |
| CONTRACT         | PROJECT     |
| R-42253          | 1800060     |

PRINT DATE: 4/7/23 PLOT SCALE: 1:1 EDIT DATE: 3/29/23 2:02 PM EDITED BY: MMURRAY DRAWING FILE: P:\20-500-165-1 SR 32 PASSING LANES\5 ACAD\06 PLAN PROF\RD\_PP\_SHT\_AW\_50\_0.DWG

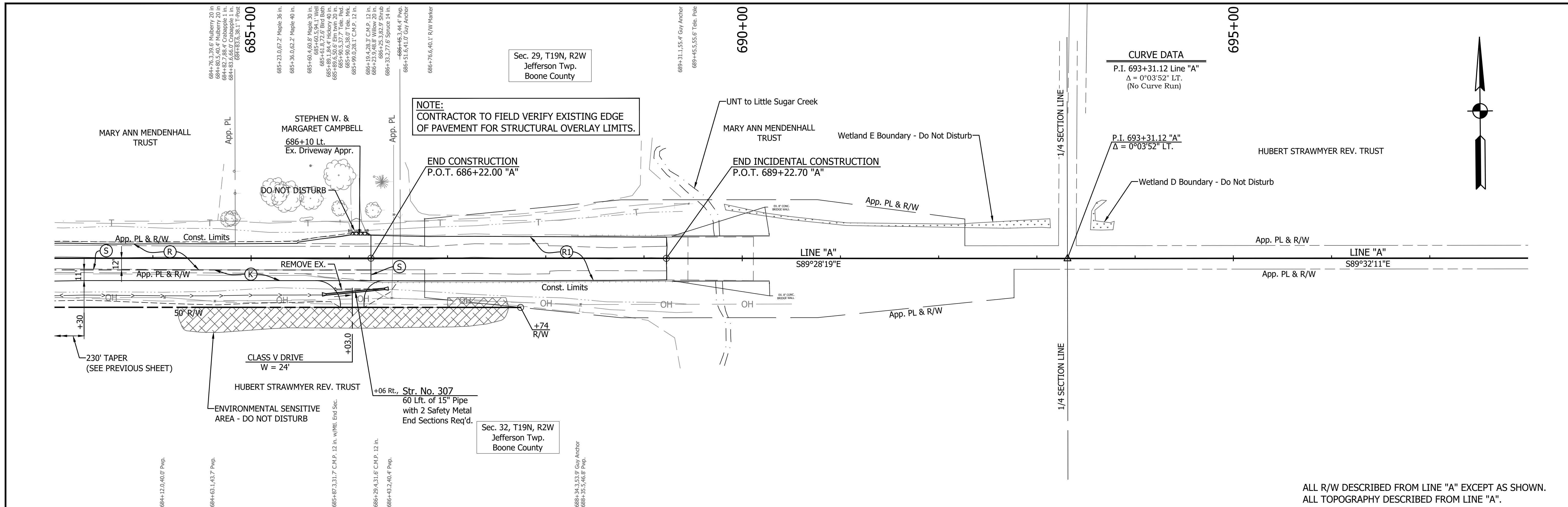




|  |   |   |  |  |
|--|---|---|--|--|
| <p>106 NORTH 283749.985<br/>EAST 738295.014<br/>STA. 668+83.70, 37.9 RT. "A"<br/>S.R. 32</p> <p>109 NORTH 283766.073<br/>EAST 738850.171<br/>STA. 675+38.76, 18.7 RT. "A"<br/>S.R. 32</p> <p>110 NORTH 283748.046<br/>EAST 739328.741<br/>STA. 680+17.55, 34.1 RT. "A"<br/>S.R. 32</p> | <p><b>LEGEND</b></p> <p>(D) HMA for Approaches      (H) HMA for Structure Installation, Type B</p> <p>(K) Full Depth Pavement (See Typical Sections)</p> <p>(R) Structural Overlay (See Typical Sections)</p> <p>(R) HMA Overlay (See Typical Sections)</p> <p>(X) Approach Milling and HMA Overlay</p> | <p>RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____</p> <p>DESIGNED: <u>ROP</u>      DRAWN: <u>KRU</u></p> <p>CHECKED: <u>RDS</u>      CHECKED: <u>RDS</u></p> | <p>INDIANA<br/>DEPARTMENT OF TRANSPORTATION</p> <p>PLAN AND PROFILE<br/>STA. 668+00.00 TO 683+00.00 LINE "A"</p> | <p>HORIZONTAL SCALE<br/>1" = 50'</p> <p>VERTICAL SCALE<br/>1" = 5'</p> <p>SURVEY BOOK _____ SHEET _____</p> <p>CONTRACT R-42253      PROJECT 1800060</p> |
|--|---|---|--|--|

PRINT DATE: 4/7/23  
 PLOT SCALE: 1:1  
 EDIT DATE: 3/29/23 - 2:02 PM  
 EDITOR: MMURRAY  
 DRAWING FILE: P:\20-500-165-1 SR 32 PASSING LANES\5 ACAD\06 PLAN PROF\RD\_PP\_SHT\_AW\_50\_0.DWG

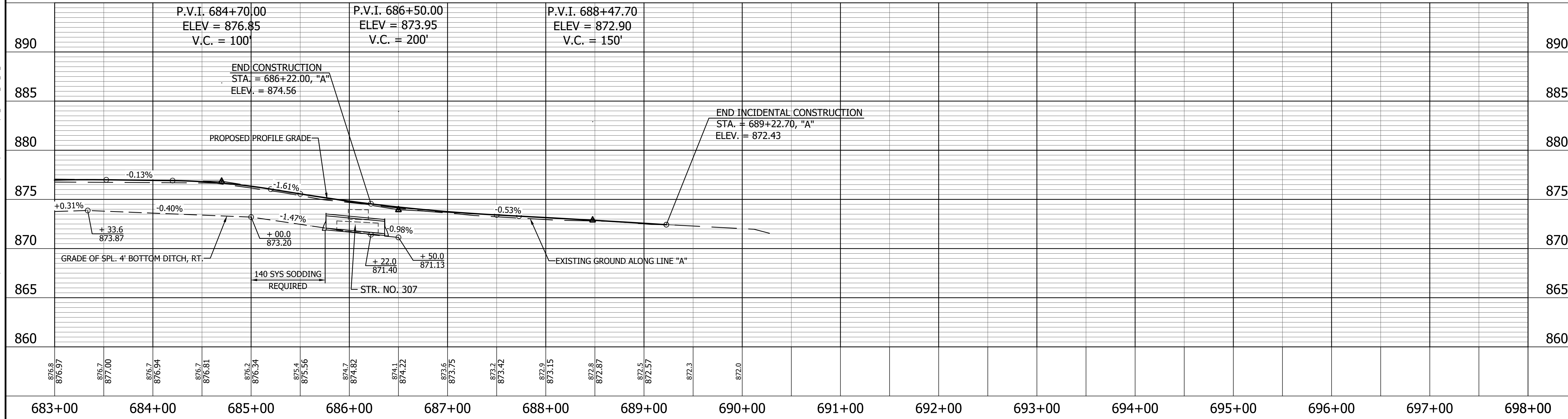
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 EDITOR: MMURRAY  
 EDIT DATE: 3/29/23 - 2:02 PM



**CURVE DATA**  
 P.I. 693+31.12 Line "A"  
 $\Delta = 0^{\circ}03'52''$  L.T.  
 (No Curve Run)

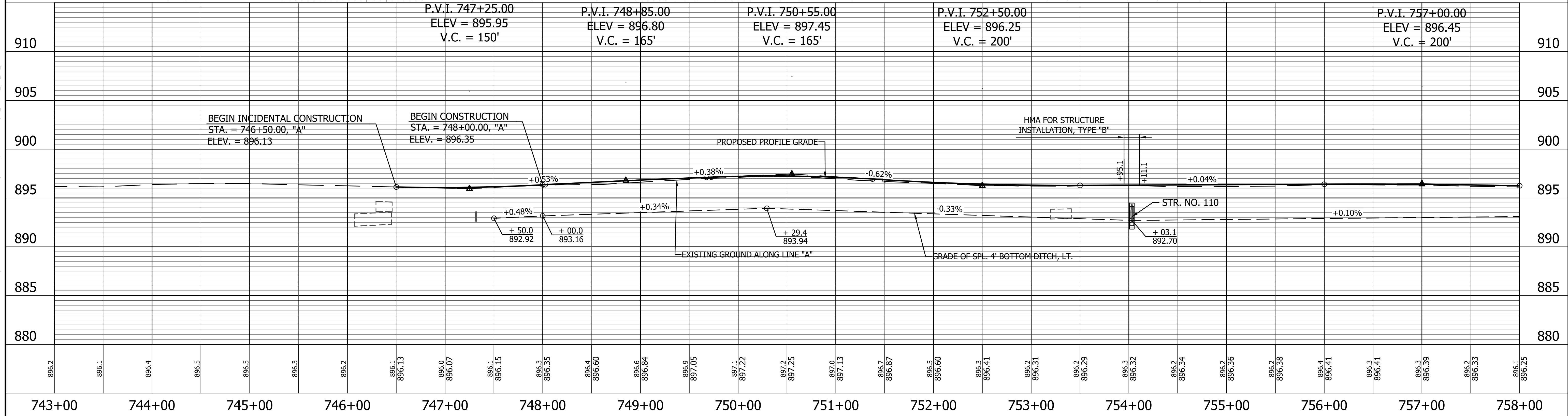
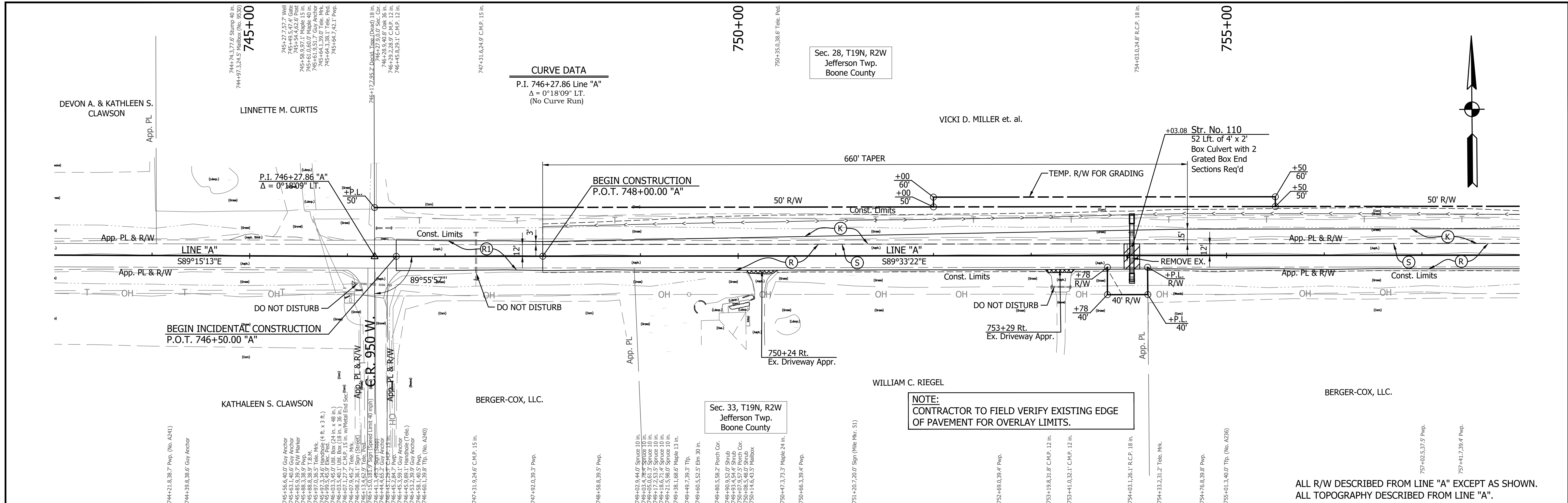
P.I. 693+31.12 "A"  
 $\Delta = 0^{\circ}03'52''$  L.T.

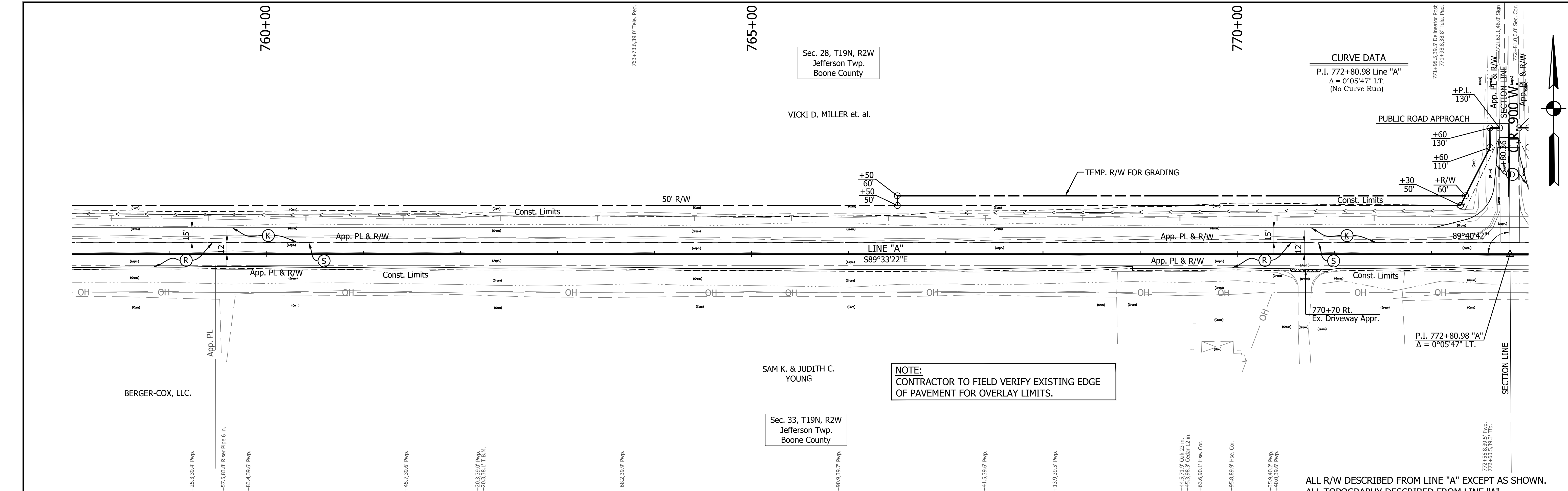
ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.  
 ALL TOPOGRAPHY DESCRIBED FROM LINE "A".



|               |  |   |  |   |   |                              |                                    |                           |  |
|---------------|--|---|--|---|---|------------------------------|------------------------------------|---------------------------|--|
| <b>LEGEND</b> |  | RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____ |  | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b> |   | HORIZONTAL SCALE<br>1" = 50' |                                    | BRIDGE FILE               |  |
| (D)           | HMA for Approaches                     | (K)   | Full Depth Pavement (See Typical Sections) | (R)   | Structural Overlay (See Typical Sections) | (R1)                         | HMA Overlay (See Typical Sections) | VERTICAL SCALE<br>1" = 5' |  |
| (S)           | HMA for Structure Installation, Type B | (X)   | Approach Milling and HMA Overlay           | <b>PLAN AND PROFILE</b>                     |   | SURVEY BOOK                  |                                    | SHEET                     |  |
|               |  |   |  | <b>STA. 683+00.00 TO 698+00.00 LINE "A"</b> |   | 34 of 173                    |                                    | DESIGNATION<br>1800060    |  |
|               |  |   |  | CHECKED: <u>RDS</u>                         |   | CONTRACT<br>R-42253          |                                    | PROJECT<br>1800060        |  |

PRINT DATE: 4/7/23 PLOT SCALE: 1:1 EDIT DATE: 3/29/23 2:02 PM EDITED BY: MMURRAY DRAWING FILE: P:\20-500-165-1 SR 32 PASSING LANES\5 ACAD\06 PLAN\PROF.DWG PP SHT AW\_50\_01.DWG





Sec. 28, T19N, R2W  
Jefferson Twp.  
Boone County

VICKI D. MILLER et. al.

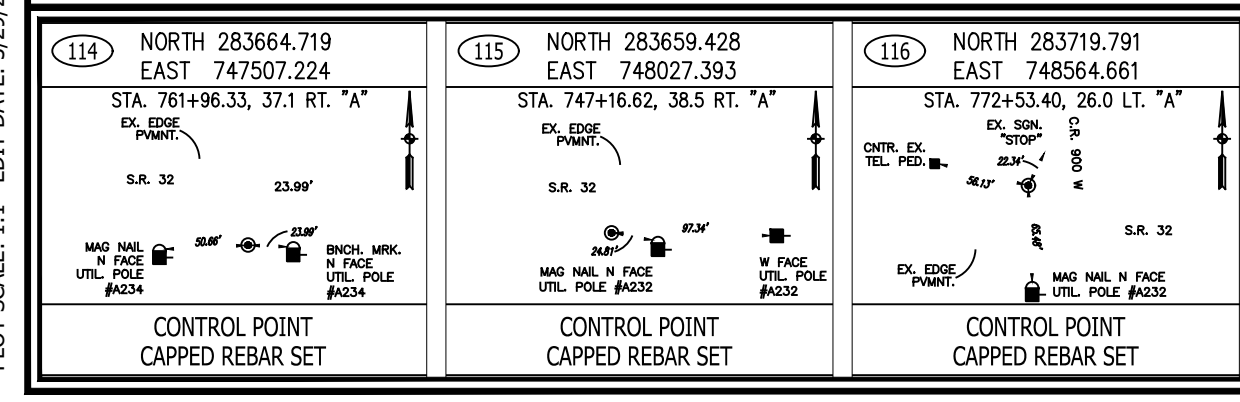
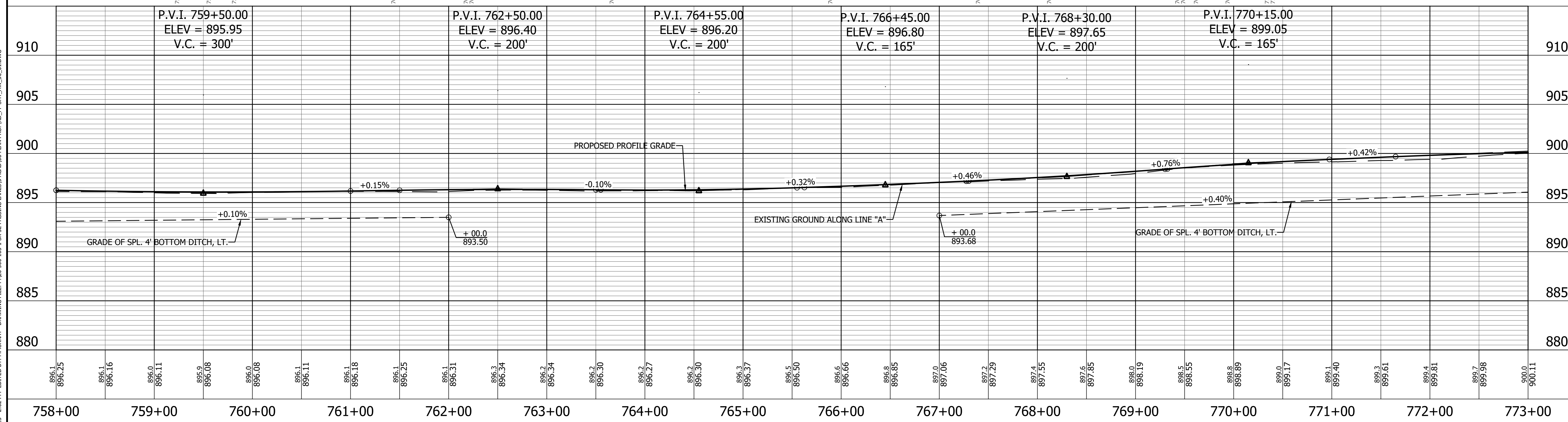
SAM K. & JUDITH C.  
YOUNG

Sec. 33, T19N, R2W  
Jefferson Twp.  
Boone County

**CURVE DATA**  
P.I. 772+80.98 Line "A"  
 $\Delta = 0^{\circ}05'47''$  LT.  
(No Curve Run)

NOTE:  
CONTRACTOR TO FIELD VERIFY EXISTING EDGE  
OF PAVEMENT FOR OVERLAY LIMITS.

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



**LEGEND**

- (D) HMA for Approaches
- (K) Full Depth Pavement (See Typical Sections)
- (R) Structural Overlay (See Typical Sections)
- (R1) HMA Overlay (See Typical Sections)
- [Hatched Box] HMA for Structure Installation, Type B
- [Cross-hatched Box] Approach Milling and HMA Overlay

RECOMMENDED FOR APPROVAL \_\_\_\_\_

DESIGNED: ROP DRAWN: KRU

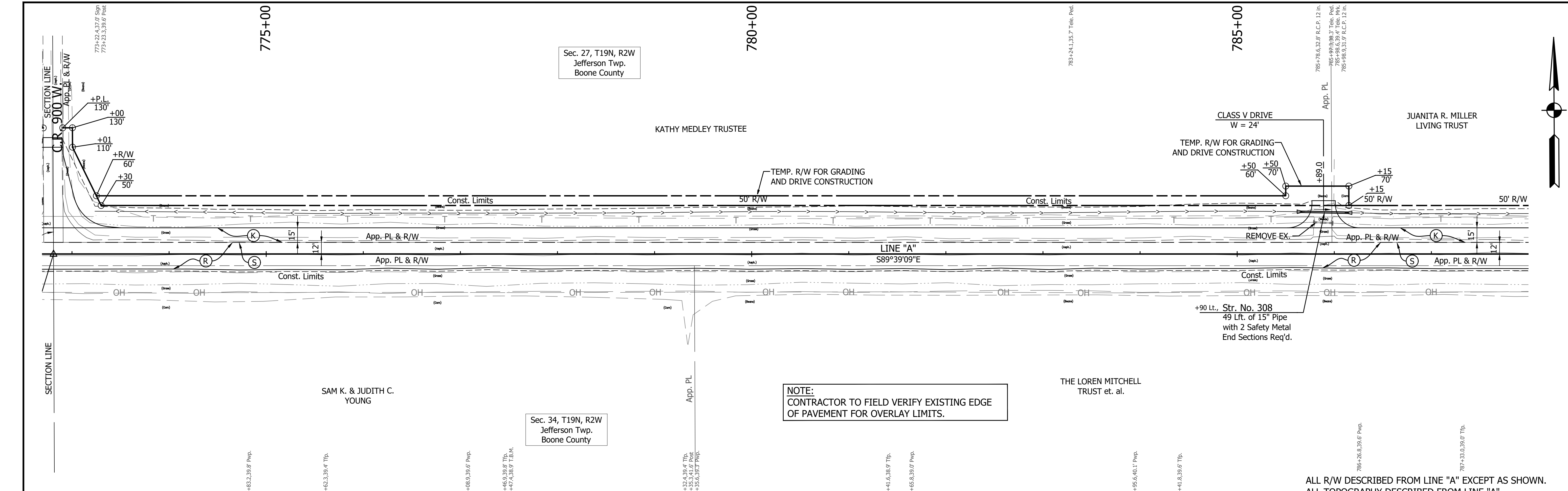
CHECKED: RDS CHECKED: RDS

INDIANA  
DEPARTMENT OF TRANSPORTATION

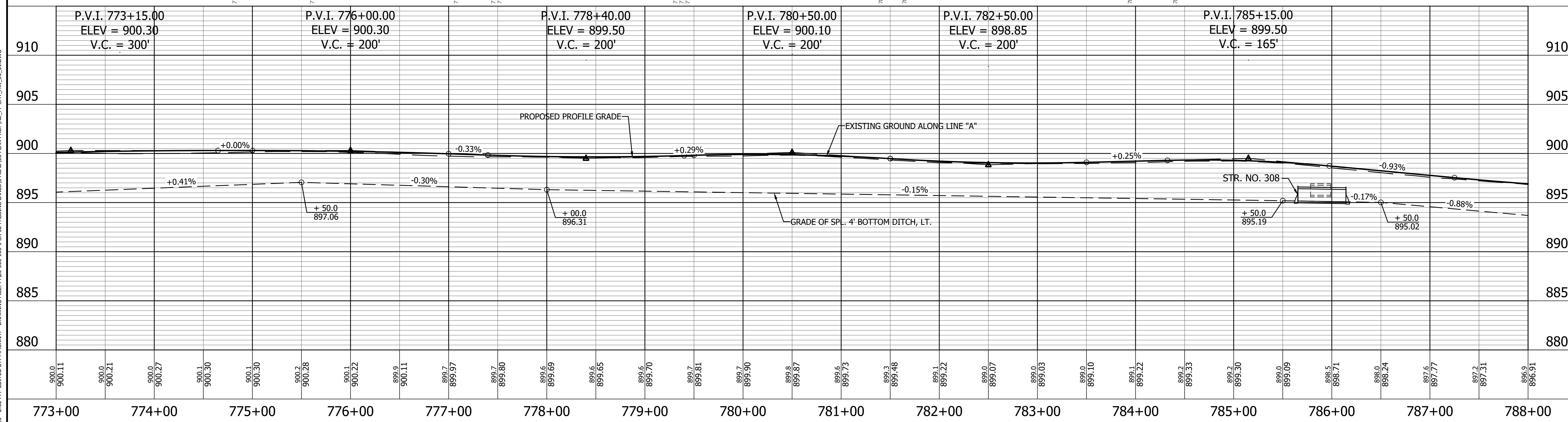
PLAN AND PROFILE  
STA. 758+00.00 TO 773+00.00 LINE "A"

|                              |                        |
|------------------------------|------------------------|
| HORIZONTAL SCALE<br>1" = 50' | BRIDGE FILE            |
| VERTICAL SCALE<br>1" = 5'    | DESIGNATION<br>1800060 |
| SURVEY BOOK                  | SHEET<br>36 of 173     |
| CONTRACT<br>R-42253          | PROJECT<br>1800060     |

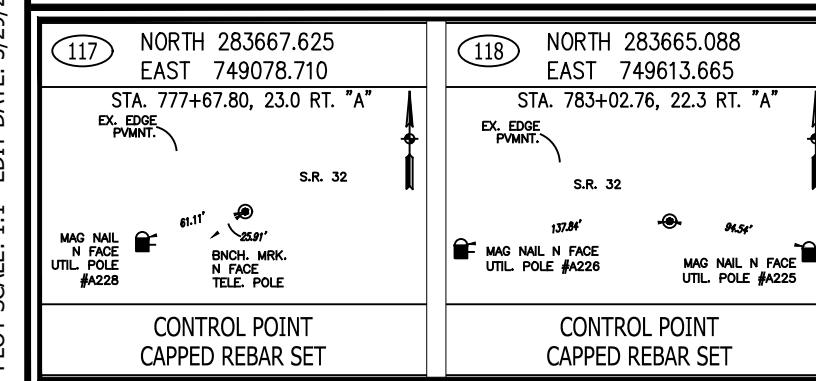
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ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.  
ALL TOPOGRAPHY DESCRIBED FROM LINE "A".



PRINT DATE: 4/7/23  
 PLOT SCALE: 1:1  
 EDIT DATE: 3/29/23 - 2:02 PM  
 EDITOR: MMURRAY  
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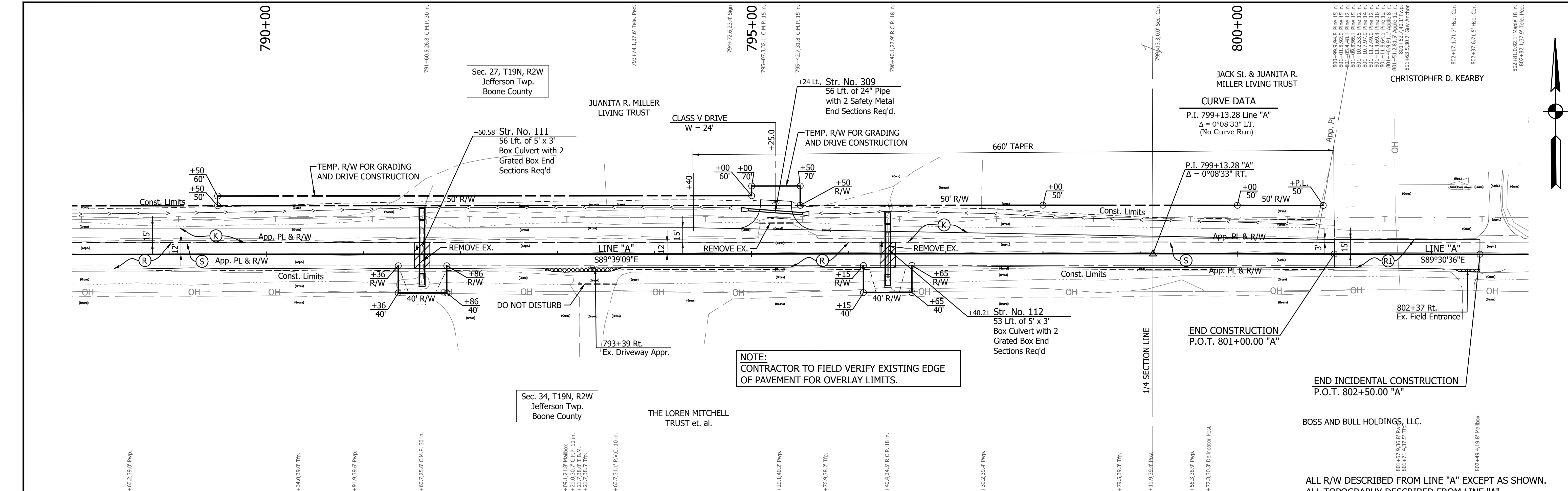
**LEGEND**

|  |  |
|--|--|
| (D) HMA for Approaches                         | (H) HMA for Structure Installation, Type B |
| (K) Full Depth Pavement (See Typical Sections) | (X) Approach Milling and HMA Overlay       |
| (R) Structural Overlay (See Typical Sections)  |  |
| (O) HMA Overlay (See Typical Sections)         |  |

|                          |                 |      |
|--------------------------|-----------------|------|
| RECOMMENDED FOR APPROVAL | DESIGN ENGINEER | DATE |
| DESIGNED: ROP            | DRAWN: KRJ      |      |
| CHECKED: RDS             | CHECKED: RDS    |      |

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
**PLAN AND PROFILE**  
**STA. 773+00.00 TO 788+00.00 LINE "A"**

|                              |                        |
|------------------------------|------------------------|
| HORIZONTAL SCALE<br>1" = 50' | BRIDGE FILE            |
| VERTICAL SCALE<br>1" = 5'    | DESIGNATION<br>1800060 |
| SURVEY BOOK                  | SHEET<br>37 of 173     |
| CONTRACT<br>R-42253          | PROJECT<br>1800060     |



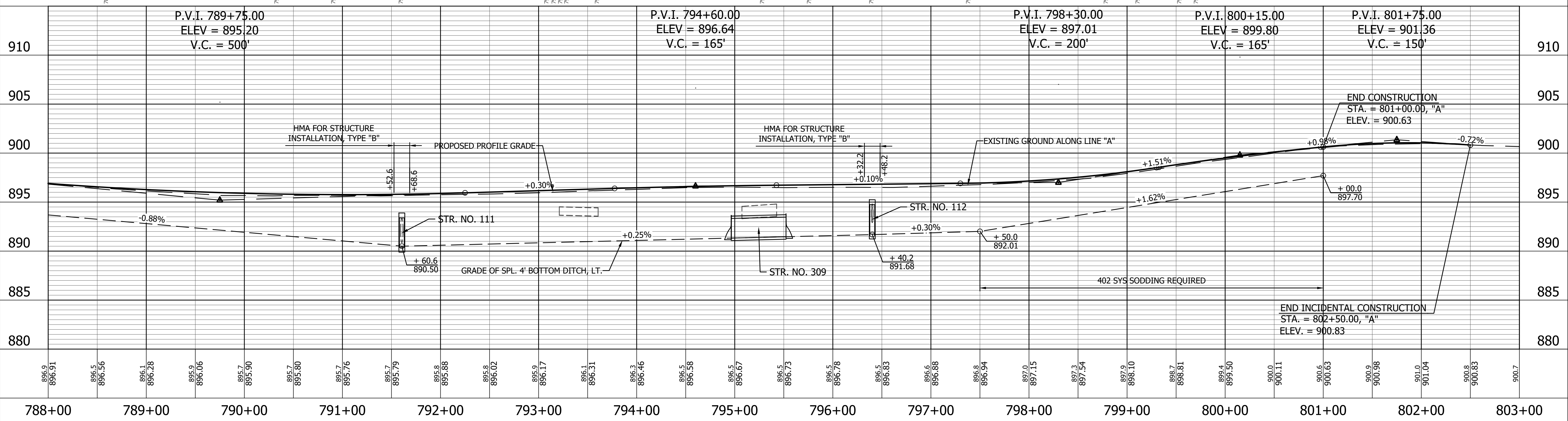
NOTE:  
CONTRACTOR TO FIELD VERIFY EXISTING EDGE  
OF PAVEMENT FOR OVERLAY LIMITS.

CURVE DATA  
P.I. 799+13.28 Line "A"  
 $\Delta = 0^{\circ}08'33''$  L.T.  
(No Curve Run)

END CONSTRUCTION  
P.O.T. 801+00.00 "A"

END INCIDENTAL CONSTRUCTION  
P.O.T. 802+50.00 "A"

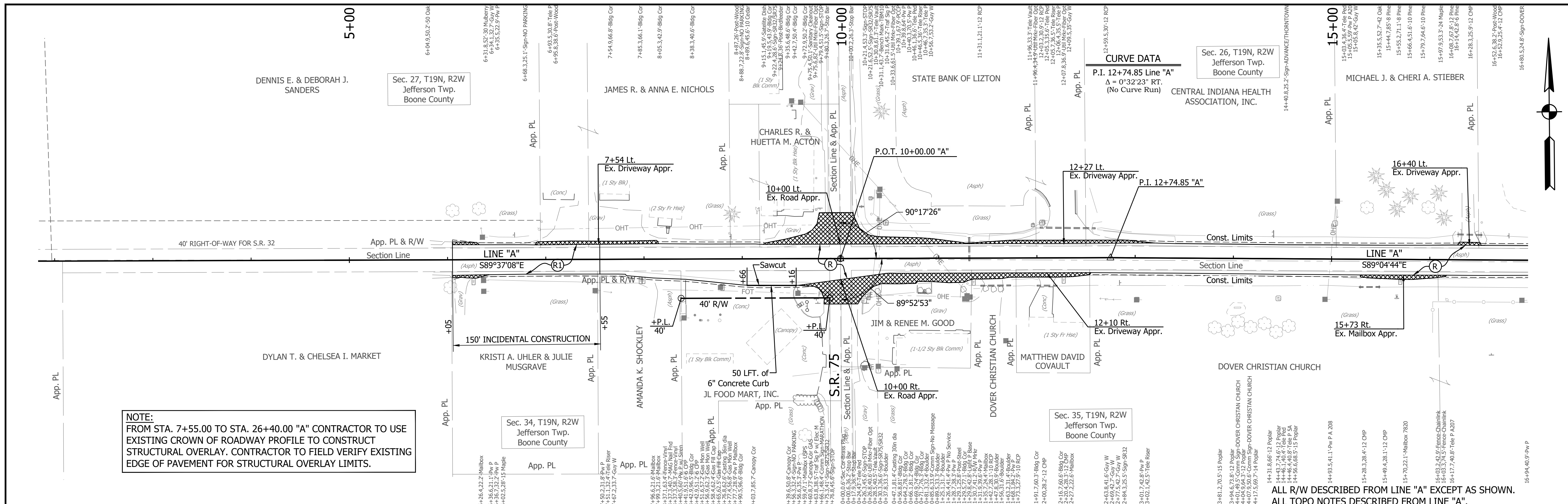
ALL R/W DESCRIBED FROM LINE "A" EXCEPT AS SHOWN.  
ALL TOPOGRAPHY DESCRIBED FROM LINE "A".



|  |  |   |  |  |                  |             |          |  |                |             |         |         |             |       |  |           |          |         |         |         |
|--|--|---|--|--|------------------|-------------|----------|--|----------------|-------------|---------|---------|-------------|-------|--|-----------|----------|---------|---------|---------|
| <p>119 NORTH 283645.237<br/>EAST 750137.126<br/>STA. 788+26.34, 39.0 RT. "A"</p> <p>120 NORTH 283659.499<br/>EAST 750681.928<br/>STA. 793+71.04, 21.4 RT. "A"</p> <p>121 NORTH 283644.144<br/>EAST 751238.275<br/>STA. 799+27.55, 33.3 RT. "A"</p> | <p><b>LEGEND</b></p> <p>(D) HMA for Approaches      (Hatched) HMA for Structure Installation, Type B</p> <p>(K) Full Depth Pavement (See Typical Sections)</p> <p>(R) Structural Overlay (See Typical Sections)</p> <p>(R1) HMA Overlay (See Typical Sections)</p> <p>(Hatched) Approach Milling and HMA Overlay</p> | <p>RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____</p> <p>DESIGNED: <u>ROP</u>      DRAWN: <u>KRU</u></p> <p>CHECKED: <u>RDS</u>      CHECKED: <u>RDS</u></p> | <p><b>INDIANA</b><br/><b>DEPARTMENT OF TRANSPORTATION</b></p> <p><b>PLAN AND PROFILE</b><br/><b>STA. 788+00.00 TO 803+00.00 LINE "A"</b></p> | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1" = 50'</td> <td></td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1" = 5'</td> <td>1800060</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEET</td> </tr> <tr> <td></td> <td>38 of 173</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>R-42253</td> <td>1800060</td> </tr> </table> | HORIZONTAL SCALE | BRIDGE FILE | 1" = 50' |  | VERTICAL SCALE | DESIGNATION | 1" = 5' | 1800060 | SURVEY BOOK | SHEET |  | 38 of 173 | CONTRACT | PROJECT | R-42253 | 1800060 |
| HORIZONTAL SCALE   | BRIDGE FILE  |   |  |  |                  |             |          |  |                |             |         |         |             |       |  |           |          |         |         |         |
| 1" = 50'   |  |   |  |  |                  |             |          |  |                |             |         |         |             |       |  |           |          |         |         |         |
| VERTICAL SCALE   | DESIGNATION  |   |  |  |                  |             |          |  |                |             |         |         |             |       |  |           |          |         |         |         |
| 1" = 5'  | 1800060  |   |  |  |                  |             |          |  |                |             |         |         |             |       |  |           |          |         |         |         |
| SURVEY BOOK  | SHEET  |   |  |  |                  |             |          |  |                |             |         |         |             |       |  |           |          |         |         |         |
|  | 38 of 173  |   |  |  |                  |             |          |  |                |             |         |         |             |       |  |           |          |         |         |         |
| CONTRACT   | PROJECT  |   |  |  |                  |             |          |  |                |             |         |         |             |       |  |           |          |         |         |         |
| R-42253  | 1800060  |   |  |  |                  |             |          |  |                |             |         |         |             |       |  |           |          |         |         |         |

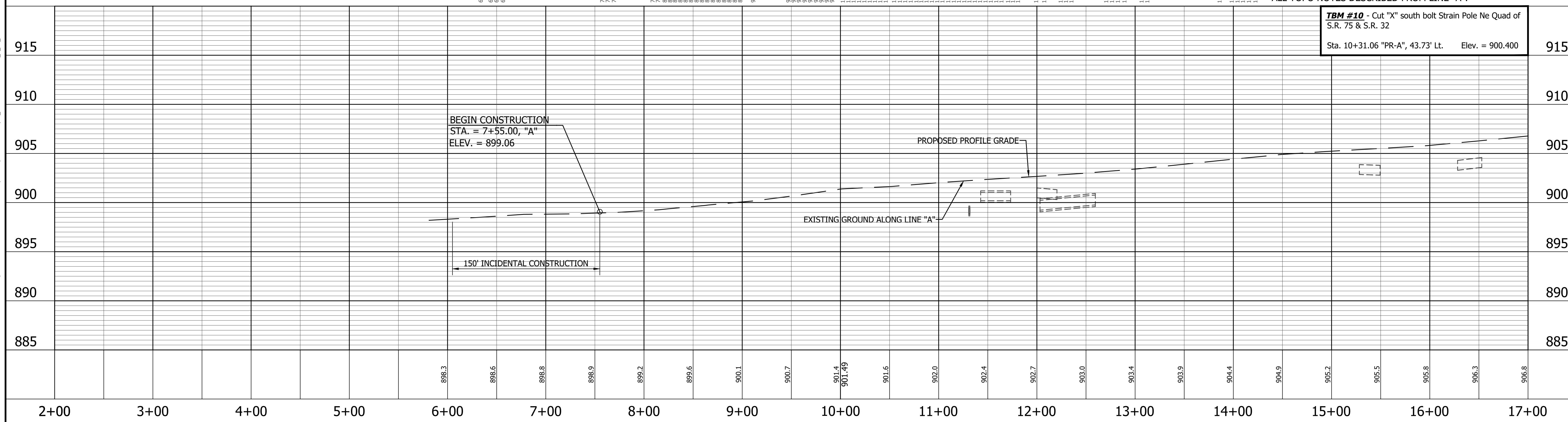
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PRINT DATE: 4/7/23 11:18 AM EDITED BY: MMURRAY DRAWING FILE: P:\20-500-165-1 SR 32 PASSING JAMES'S ACAD\06 PLAN PROF\RD PLAN PROFILE SHEET\_A\_50\_01.DWG  
 PLOT SCALE: 1:1



**NOTE:**  
 FROM STA. 7+55.00 TO STA. 26+40.00 "A" CONTRACTOR TO USE EXISTING CROWN OF ROADWAY PROFILE TO CONSTRUCT STRUCTURAL OVERLAY. CONTRACTOR TO FIELD VERIFY EXISTING EDGE OF PAVEMENT FOR STRUCTURAL OVERLAY LIMITS.

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



|  |  |  |
|--|--|--|
| 161<br>NORTH 283632.5721<br>EAST 753363.9116 | 160<br>NORTH 283695.7347<br>EAST 753910.9891 | 159<br>NORTH 283610.9180<br>EAST 754437.8442 |
|  |  |  |
| 4+92.22 "A", 26.35' Rt.                      | 10+38.86 "A", 40.45' Lt.                     | 15+66.64 "A", 38.11' Rt.                     |

**LEGEND**

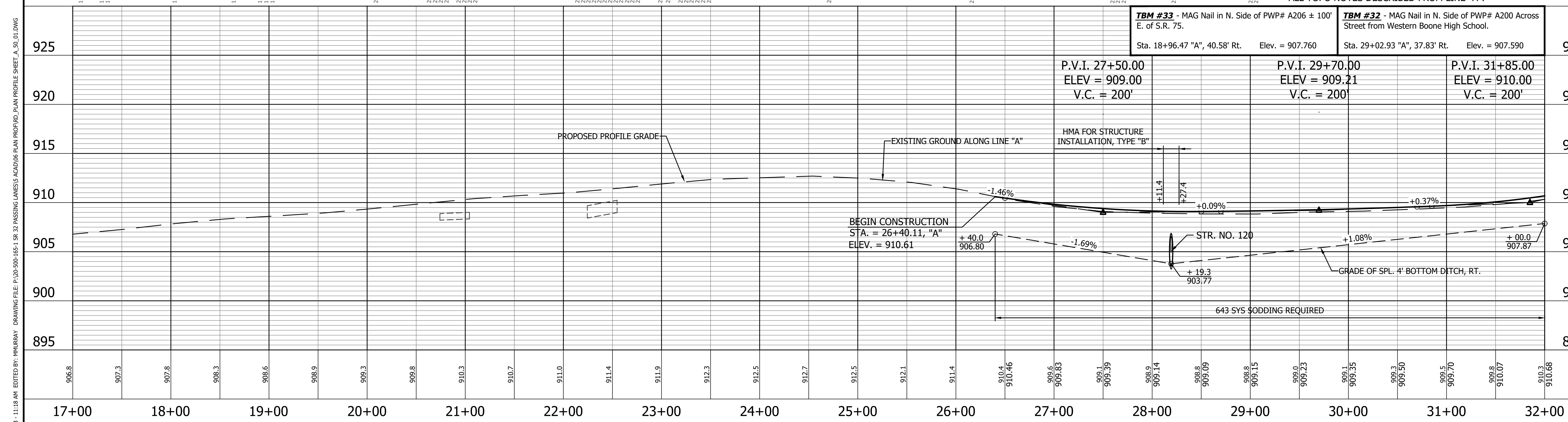
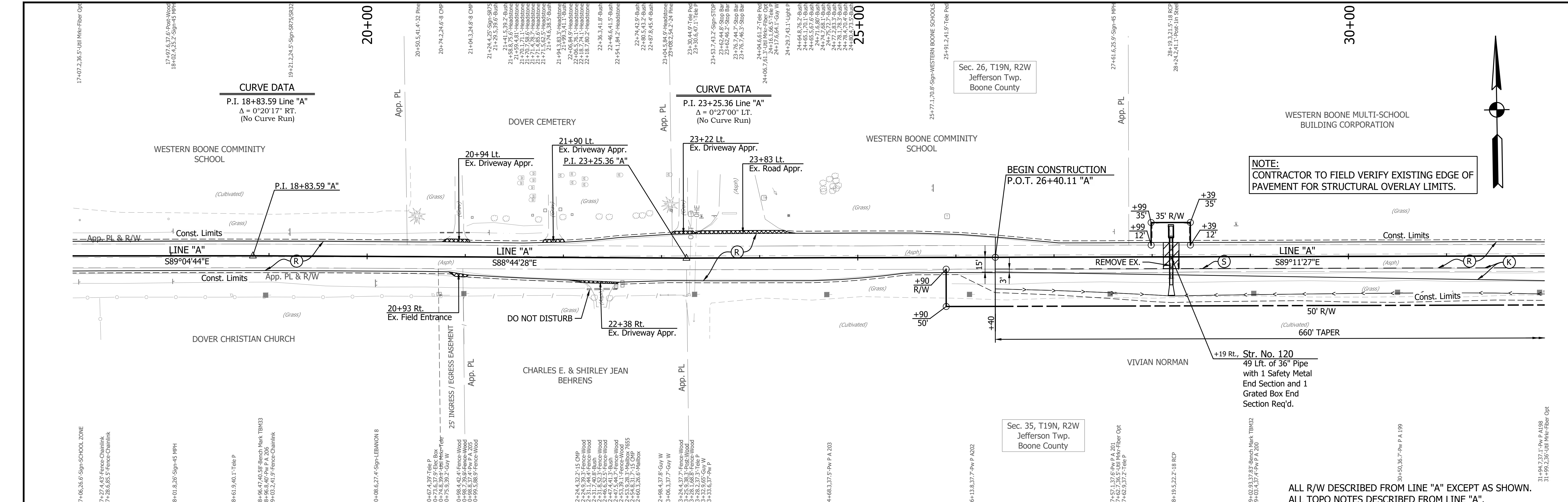
|  |  |
|--|--|
| (D) HMA for Approaches                         | (H) HMA for Structure Installation, Type B |
| (K) Full Depth Pavement (See Typical Sections) | (X) Approach Milling and HMA Overlay       |
| (R) Structural Overlay (See Typical Sections)  |  |
| (R1) HMA Overlay (See Typical Sections)        |  |

|                          |                 |      |
|--------------------------|-----------------|------|
| RECOMMENDED FOR APPROVAL | DESIGN ENGINEER | DATE |
| DESIGNED: KRU            | DRAWN: KRU      |      |
| CHECKED: RDS             | CHECKED: RDS    |      |

**INDIANA DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE**  
 STA. 4+75.00 TO 17+00.00 LINE "A"

|                  |             |
|------------------|-------------|
| HORIZONTAL SCALE | BRIDGE FILE |
| 1" = 50'         |             |
| VERTICAL SCALE   | DESIGNATION |
| 1" = 5'          | 1800060     |
| SURVEY BOOK      | SHEET       |
|                  | 39 of 173   |
| CONTRACT         | PROJECT     |
| R-42253          | 1800060     |



|               |  |     |  |
|---------------|--|-----|--|
| 158           | NORTH 283676.3848<br>EAST 755213.1265      | 157 | NORTH 283659.3750<br>EAST 755757.7236  |
| <b>LEGEND</b> |  |     |  |
| (D)           | HMA for Approaches                         | (H) | HMA for Structure Installation, Type B |
| (K)           | Full Depth Pavement (See Typical Sections) | (X) | Approach Milling and HMA Overlay       |
| (R)           | Structural Overlay (See Typical Sections)  |     |  |
| (R)           | HMA Overlay (See Typical Sections)         |     |  |

|                          |                 |      |
|--------------------------|-----------------|------|
| RECOMMENDED FOR APPROVAL | DESIGN ENGINEER | DATE |
| DESIGNED: ROP            | DRAWN: KRJ      |      |
| CHECKED: RDS             | CHECKED: RDS    |      |

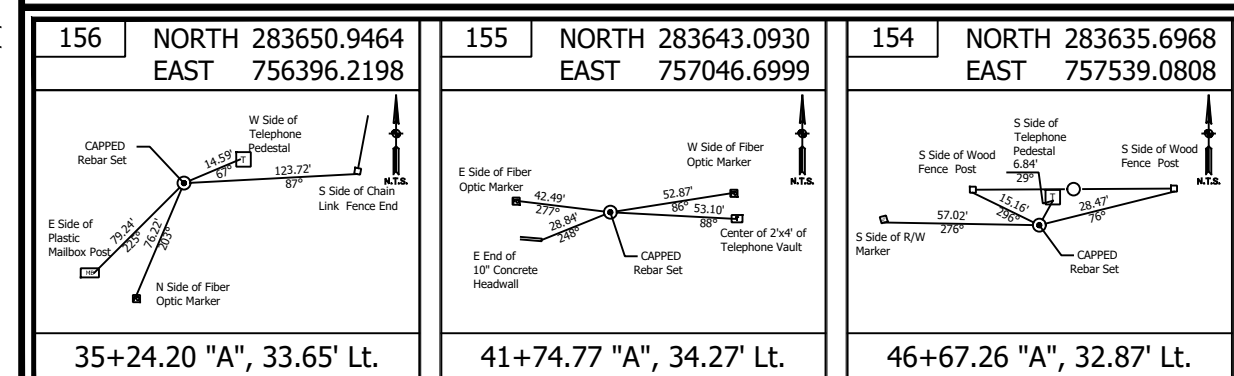
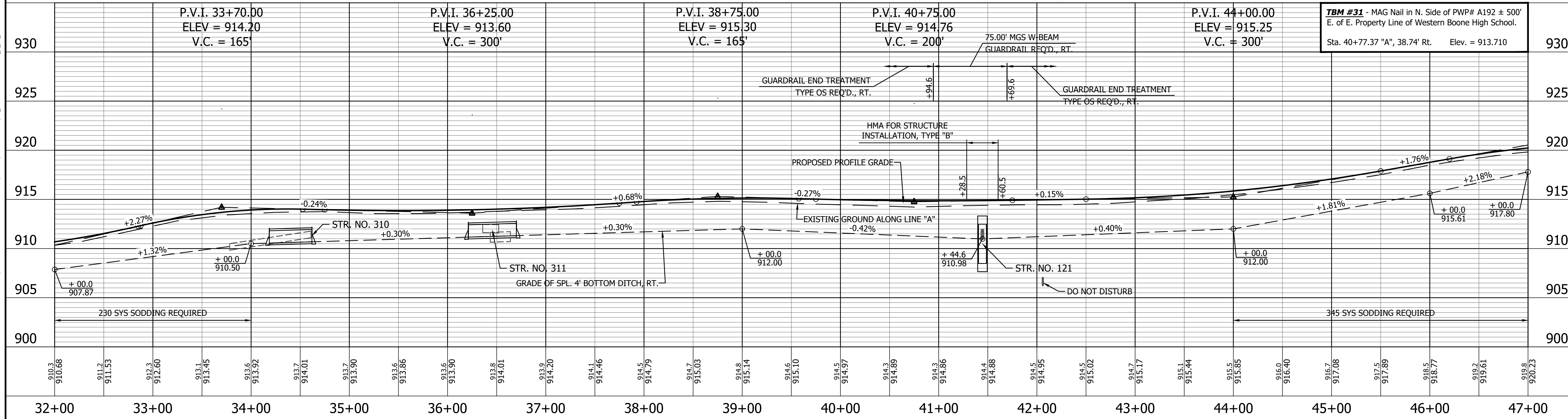
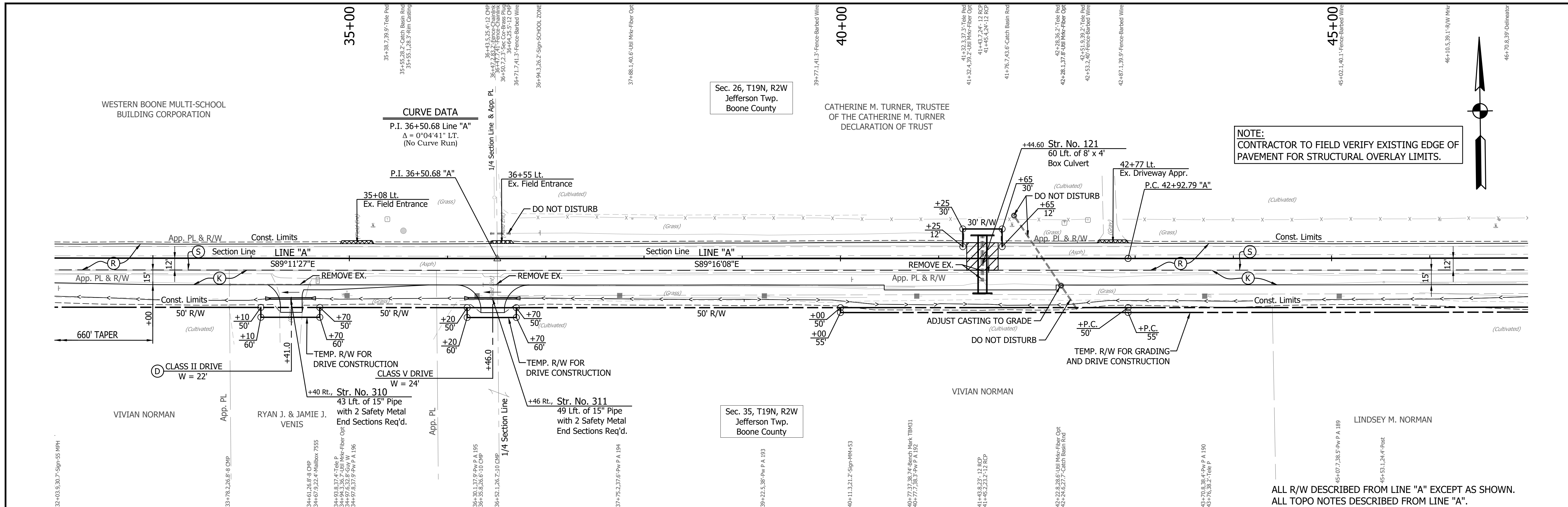
  

|  |                        |
|--|------------------------|
| INDIANA<br>DEPARTMENT OF TRANSPORTATION                |                        |
| PLAN AND PROFILE<br>STA. 17+00.00 TO 32+00.00 LINE "A" |                        |
| HORIZONTAL SCALE<br>1" = 50'                           | BRIDGE FILE            |
| VERTICAL SCALE<br>1" = 5'                              | DESIGNATION<br>1800060 |
| SURVEY BOOK  | SHEET<br>40 of 173     |
| CONTRACT<br>R-42253                                    | PROJECT<br>1800060     |

PRINT DATE: 4/7/23  
 PLOT SCALE: 1:1  
 EDITOR: MMURRAY  
 DRAWING FILE: P:\20-500-165-1 SR 32 PASSING LAMES'S ACAD\06 PLAN PROFILE PLAN PROFILE SHEET A\_50\_01.DWG  
 DATE: 4/7/23 11:18 AM



PRINT DATE: 4/7/23 11:18 AM EDITED BY: MMURRAY DRAWING FILE: P:\20-500-65-1 SR 32 PASSING JAMES'S ACAD\06 PLAN PROF\RD PLAN PROFILE SHEET\_A\_50\_01.DWG PLOT SCALE: 1:1



**LEGEND**

- (D) HMA for Approaches
- (K) Full Depth Pavement (See Typical Sections)
- (R) Structural Overlay (See Typical Sections)
- (R) HMA Overlay (See Typical Sections)
- HMA for Structure Installation, Type B
- Approach Milling and HMA Overlay

**RECOMMENDED FOR APPROVAL**

DESIGNED: ROP      DRAWN: KRU

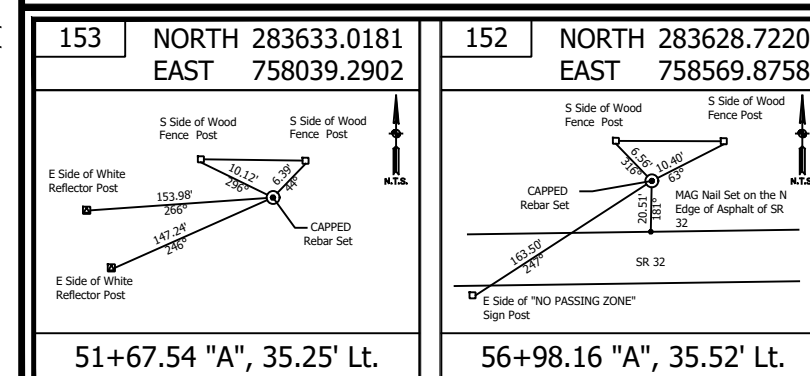
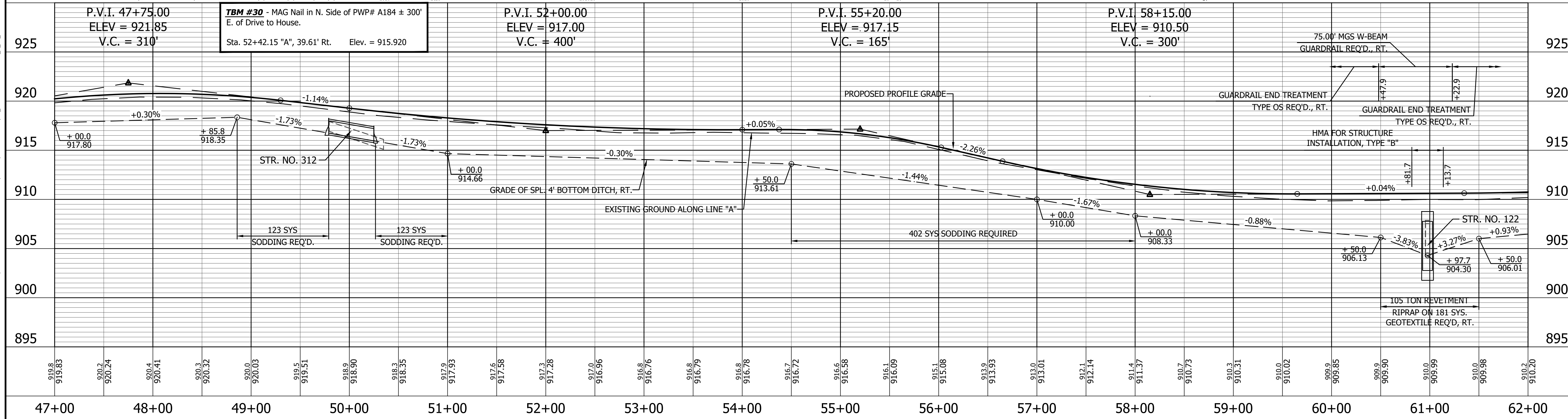
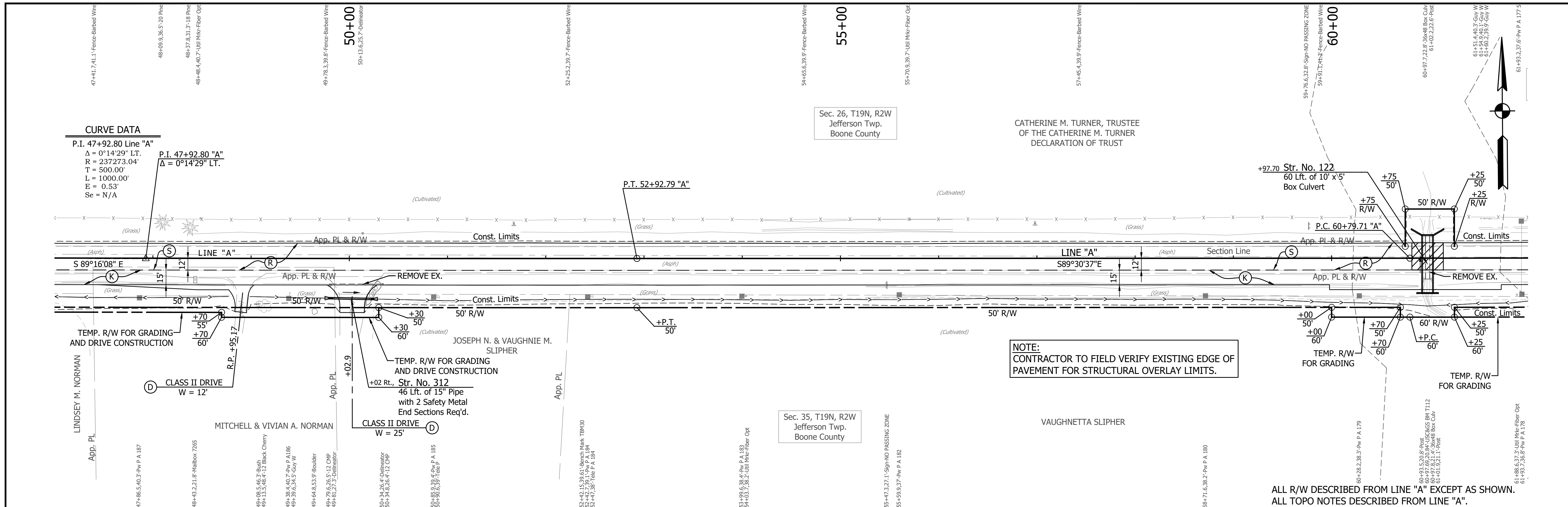
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**INDIANA DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE**  
 STA. 32+00.00 TO 47+00.00 LINE "A"

|                  |             |
|------------------|-------------|
| HORIZONTAL SCALE | BRIDGE FILE |
| 1" = 50'         |             |
| VERTICAL SCALE   | DESIGNATION |
| 1" = 5'          | 1800060     |
| SURVEY BOOK      | SHEET       |
|                  | 41 of 173   |
| CONTRACT         | PROJECT     |
| R-42253          | 1800060     |

PRINT DATE: 4/7/23 11:18 AM EDITED BY: MMURRAY DRAWING FILE: P:\20-500-165-1 SR 32 PASSING LAMES'S ACAD\06 PLAN PROF\RD PLAN PROFILE SHEET\_A\_50\_01.DWG  
 PLOT SCALE: 1:1



**LEGEND**

- (D) HMA for Approaches
- (K) Full Depth Pavement (See Typical Sections)
- (R) Structural Overlay (See Typical Sections)
- (R) HMA Overlay (See Typical Sections)
- HMA for Structure Installation, Type B
- Approach Milling and HMA Overlay

RECOMMENDED FOR APPROVAL

DESIGNED: ROP DRAWN: KRU

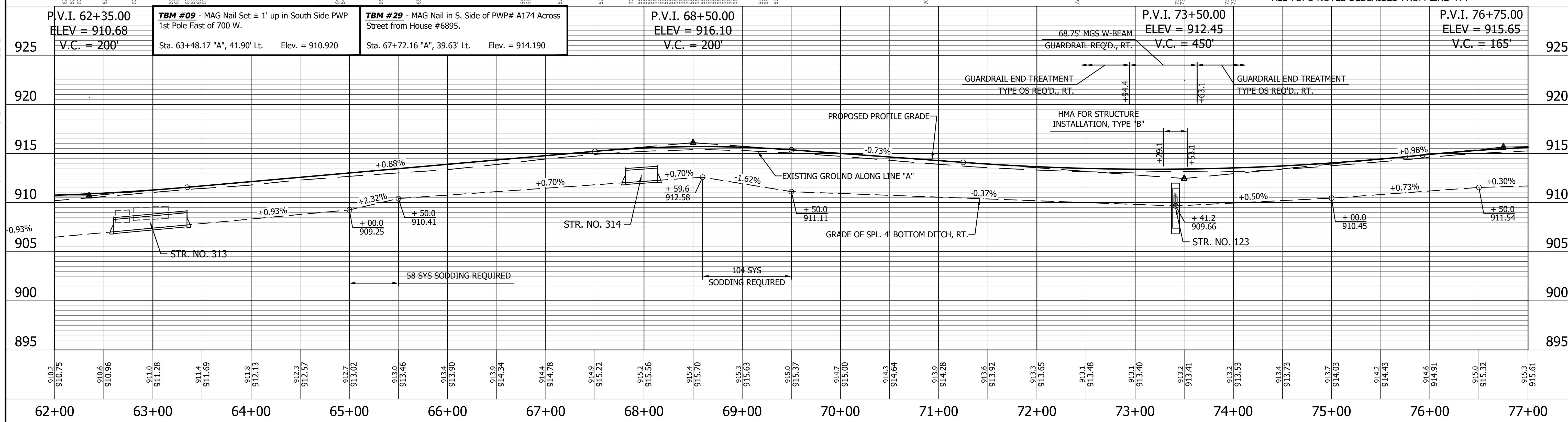
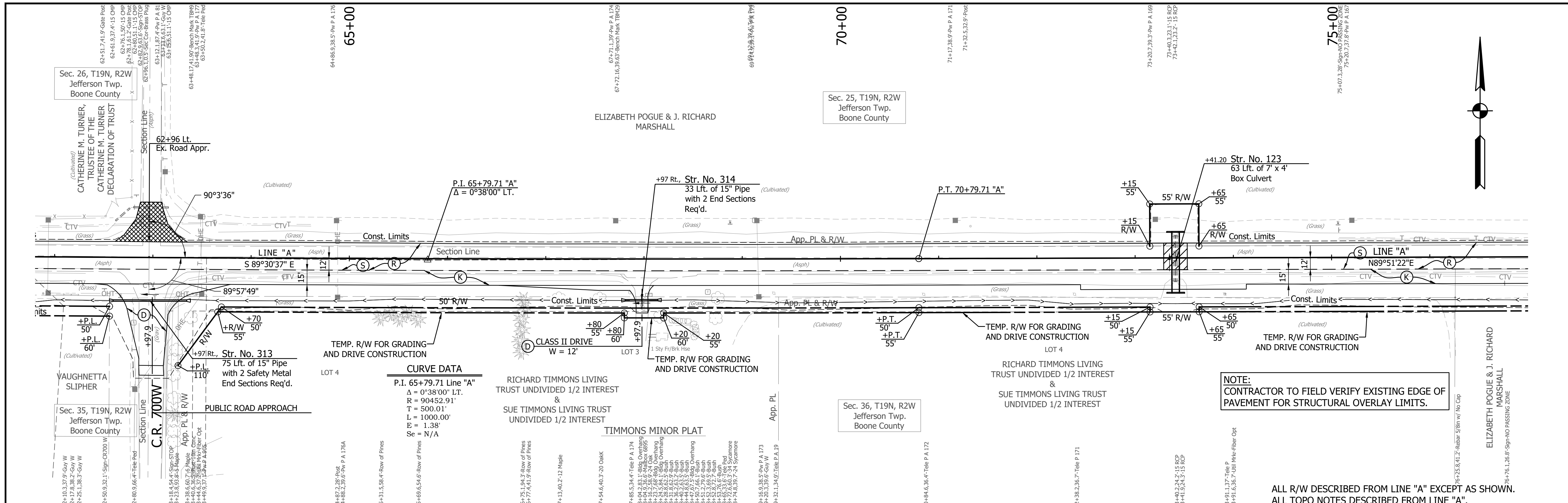
CHECKED: RDS CHECKED: RDS

**INDIANA DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE**  
 STA. 47+00.00 TO 62+00.00 LINE "A"

|                  |             |
|------------------|-------------|
| HORIZONTAL SCALE | BRIDGE FILE |
| 1" = 50'         |             |
| VERTICAL SCALE   | DESIGNATION |
| 1" = 5'          | 1800060     |
| SURVEY BOOK      | SHEET       |
|                  | 42 of 173   |
| CONTRACT         | PROJECT     |
| R-42253          | 1800060     |

PRINT DATE: 4/7/23 PLOT SCALE: 1:1 EDIT DATE: 4/7/23 - 11:18 AM EDITED BY: MMURRAY DRAWING FILE: P:\20-500-165-1 SR 32 PASSING JAMES'S ACAD\06 PLAN PROF\RD PLAN PROFILE SHEET\_A\_50\_01.DWG



|  |  |  |
|--|--|--|
| 151<br>NORTH 283549.1467<br>EAST 759138.4791 | 150<br>NORTH 283623.7120<br>EAST 759759.1121 | 149<br>NORTH 283622.8214<br>EAST 760378.0371 |
| 62+67.34 "A", 39.38' Rt.                     | 68+87.74 "A", 37.07' Lt.                     | 75+06.74 "A", 34.83' Lt                      |

**LEGEND**

- (D) HMA for Approaches
- (K) Full Depth Pavement (See Typical Sections)
- (R) Structural Overlay (See Typical Sections)
- (R) HMA Overlay (See Typical Sections)
- [Hatched Box] HMA for Structure Installation, Type B
- [Cross-hatched Box] Approach Milling and HMA Overlay

|                          |                 |      |
|--------------------------|-----------------|------|
| RECOMMENDED FOR APPROVAL | DESIGN ENGINEER | DATE |
| DESIGNED: ROP            | DRAWN: KRJ      |      |
| CHECKED: RDS             | CHECKED: RDS    |      |

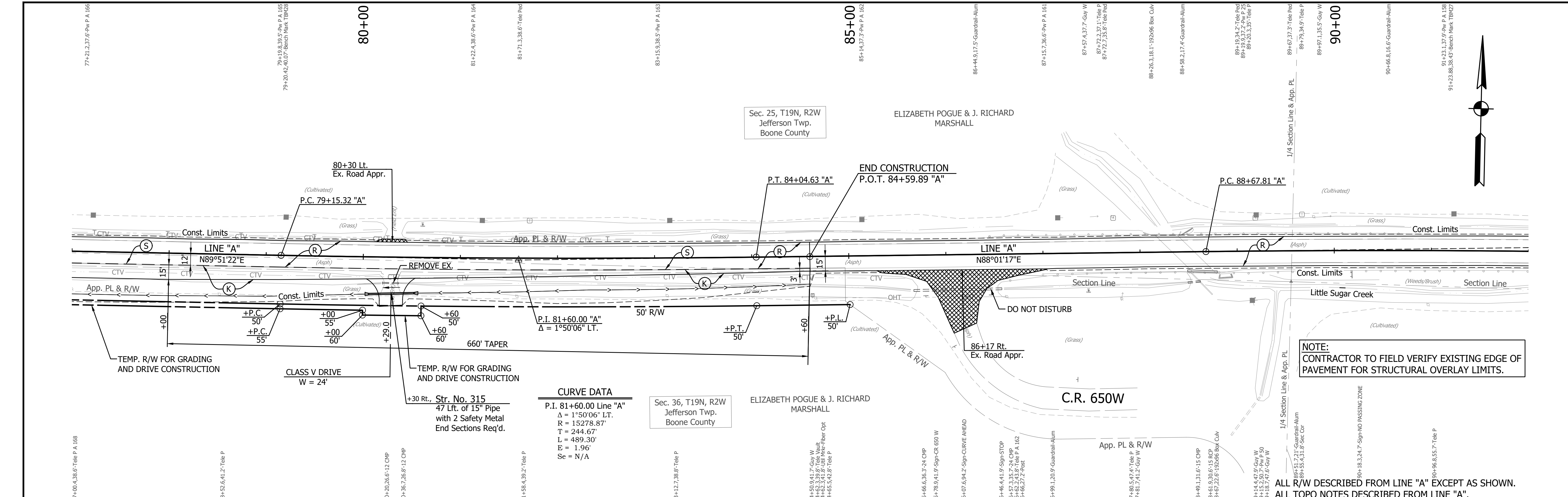
**INDIANA DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE**  
STA. 62+00.00 TO 77+00.00 LINE "A"

|                              |                        |
|------------------------------|------------------------|
| HORIZONTAL SCALE<br>1" = 50' | BRIDGE FILE            |
| VERTICAL SCALE<br>1" = 5'    | DESIGNATION<br>1800060 |
| SURVEY BOOK                  | SHEET<br>43 of 173     |
| CONTRACT<br>R-42253          | PROJECT<br>1800060     |

**NOTE:**  
CONTRACTOR TO FIELD VERIFY EXISTING EDGE OF PAVEMENT FOR STRUCTURAL OVERLAY LIMITS.

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

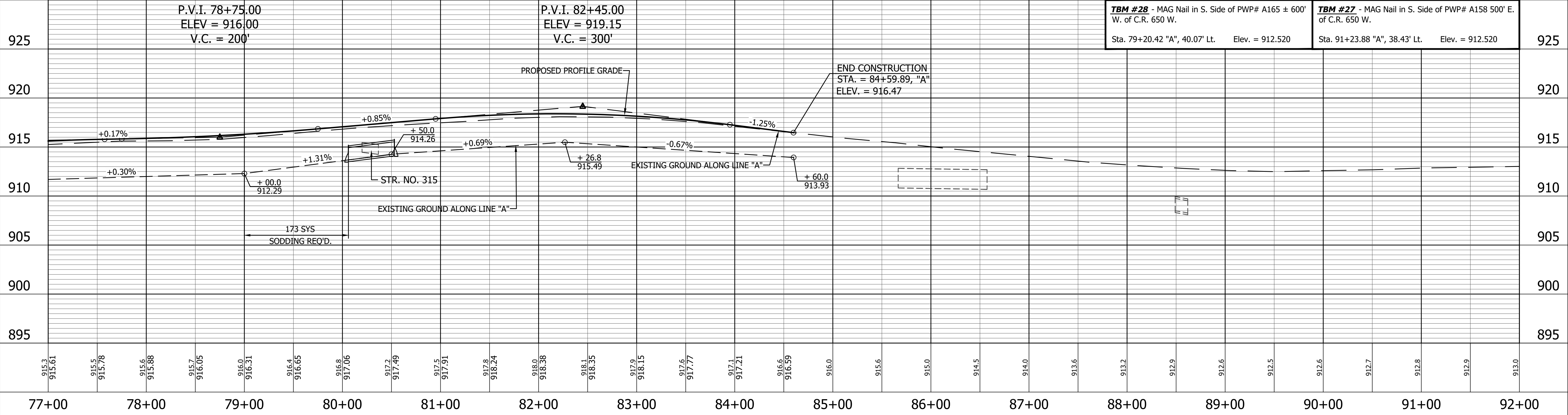


**CURVE DATA**

P.I. 81+60.00 Line "A"  
 $\Delta = 1^\circ 50' 06''$  LT.  
 $R = 15278.87'$   
 $T = 244.67'$   
 $L = 489.30'$   
 $E = 1.96'$   
 $Se = N/A$

**NOTE:**  
 CONTRACTOR TO FIELD VERIFY EXISTING EDGE OF PAVEMENT FOR STRUCTURAL OVERLAY LIMITS.

|  |   |
|--|---|
| <b>TBM #28</b> - MAG Nail in S. Side of PWP# A165 $\pm 60'$ W. of C.R. 650 W.<br>Sta. 79+20.42 "A", 40.07' Lt. Elev. = 912.520 | <b>TBM #27</b> - MAG Nail in S. Side of PWP# A158 500' E. of C.R. 650 W.<br>Sta. 91+23.88 "A", 38.43' Lt. Elev. = 912.520 |
|--|---|



PRINT DATE: 4/7/23 PLOT SCALE: 1:1 EDIT DATE: 4/7/23 - 11:18 AM DRAWING FILE: P:\20-500-165-1 SR 32 PASSING LANE'S ACAD\06 PLAN PROFILE PLAN PROFILE SHEET\_A\_50\_01.DWG  
 DRAWN BY: MMURRAY EDITED BY: MMURRAY

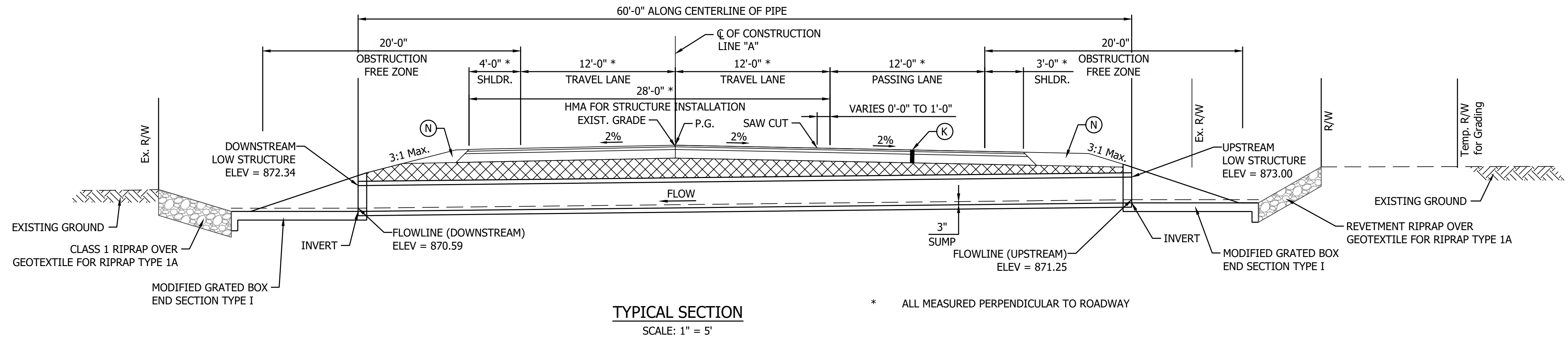
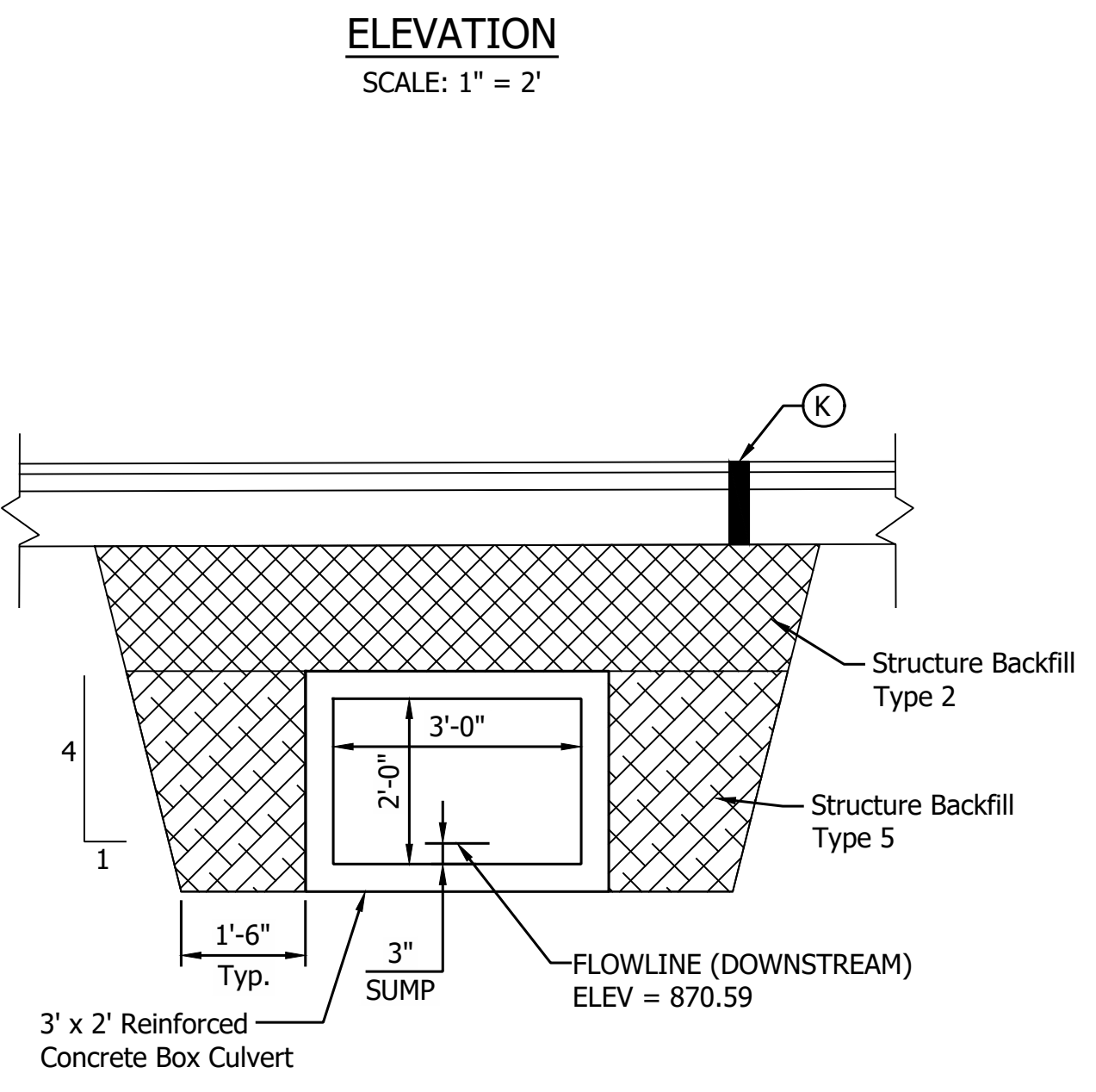
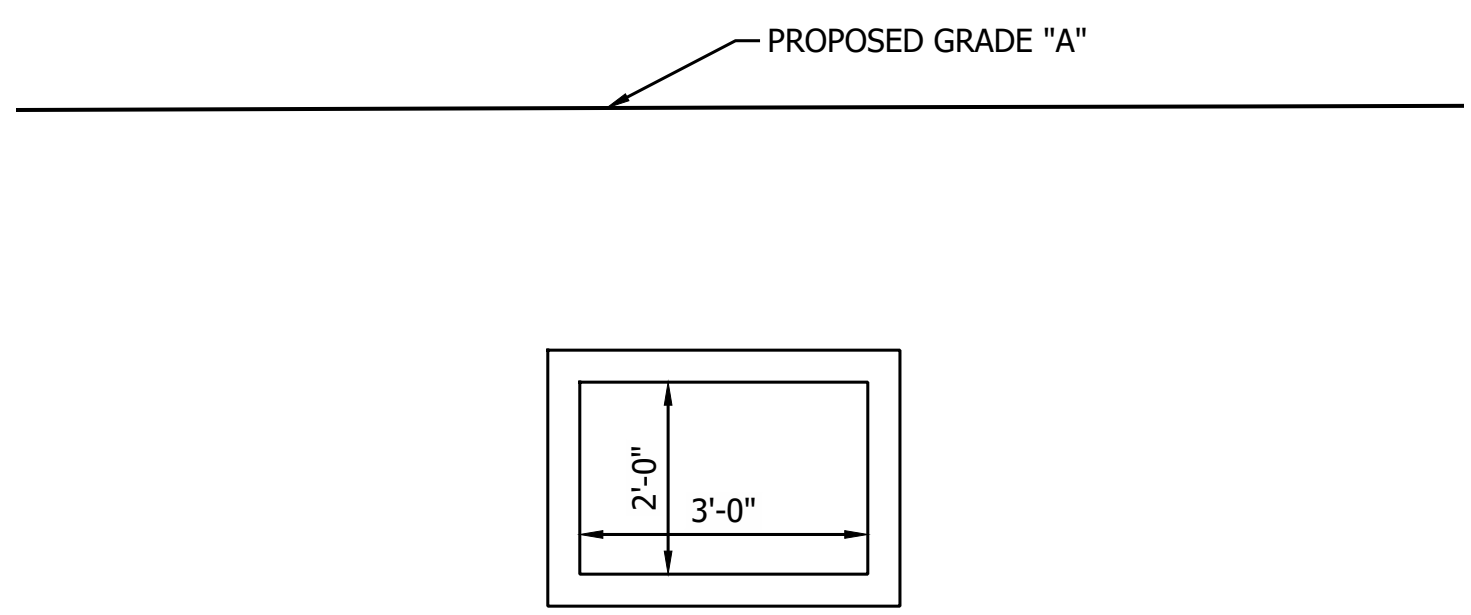
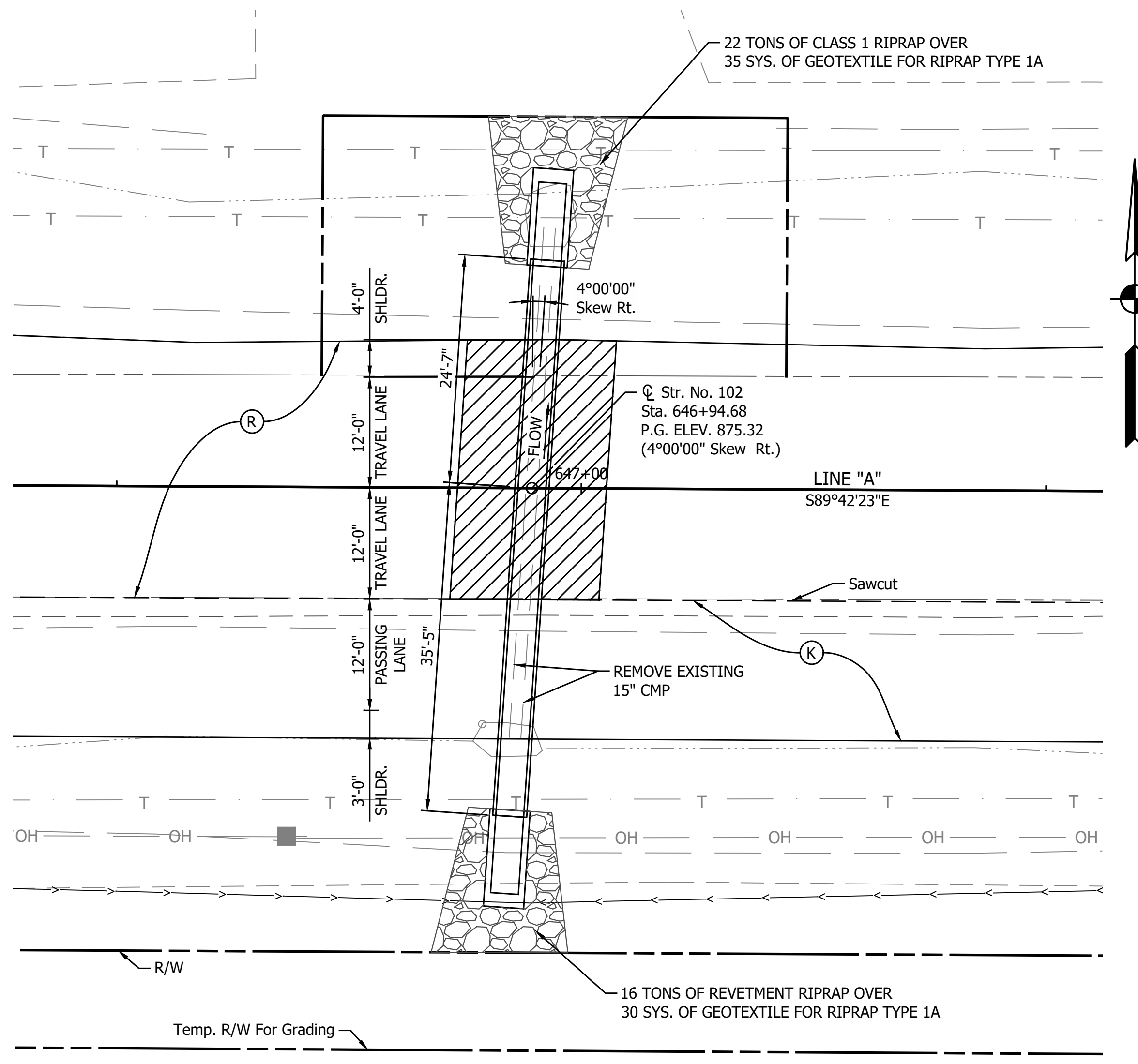
|   |   |
|---|---|
| 148 NORTH 283623.9000<br>EAST 760931.9653<br>80+60.99 "A", 33.83' Lt. | 147 NORTH 283571.2707<br>EAST 761619.0270<br>87+46.62 "A", 38.64' Rt. |
|---|---|

- LEGEND**
- (D) HMA for Approaches
  - (K) Full Depth Pavement (See Typical Sections)
  - (R) Structural Overlay (See Typical Sections)
  - (R) HMA Overlay (See Typical Sections)
  - [Hatched Box] HMA for Structure Installation, Type B
  - [Cross-hatched Box] Approach Milling and HMA Overlay

|                          |                 |      |
|--------------------------|-----------------|------|
| RECOMMENDED FOR APPROVAL | DESIGN ENGINEER | DATE |
| DESIGNED: ROP            | DRAWN: KRJ      |      |
| CHECKED: RDS             | CHECKED: RDS    |      |

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
**PLAN AND PROFILE**  
**STA. 77+00.00 TO 92+00.00 LINE "A"**

|                              |                        |
|------------------------------|------------------------|
| HORIZONTAL SCALE<br>1" = 50' | BRIDGE FILE            |
| VERTICAL SCALE<br>1" = 5'    | DESIGNATION<br>1800060 |
| SURVEY BOOK                  | SHEET<br>44 of 173     |
| CONTRACT<br>R-42253          | PROJECT<br>1800060     |



**DESIGN DATA**

Structure shall be designed for HL-93 loading, in accordance with the AASHTO LRFD Bridge Design Specifications, Ninth Edition, 2020 and subsequent interim.

Dead Load increased 35 PSF for Fure Wearing Surface

**HYDRAULIC DATA**

|                                     |   |           |
|-------------------------------------|---|-----------|
| Drainage Area                       | = | 15.98 ac. |
| Q100 Discharge                      | = | 36.02 cfs |
| Q50 Discharge                       | = | 30.72 cfs |
| Headwater Elevation @ Q100          | = | 875.09 ft |
| Backwater @ Q100                    | = | 2.57 ft   |
| Water Surface Elevation @ Q100      | = | 871.35 ft |
| Outlet Velocity @ Q50               | = | 7.78 ft/s |
| Natural Channel Velocity @ Q50      | = | 1.91 ft/s |
| Existing Q100 Discharge             | = | 36.02 cfs |
| Existing Headwater Elevation @ Q100 | = | 875.50 ft |
| Existing Backwater @ Q100           | = | 3.11 ft   |

NOTES:  
Contractor Shall Verify Existing Flowline Elevation to set the Appropriate Sump Depth.

Reinforcement in the Box Culvert Shall be Epoxy Coated.

Contractor Shall Provide a XXft Undercut (XXX Cys) and Replace the Soil with XX in of Compacted Aggregate, No. 5 (XXX Cys) on top of Geotextiles, Type 2B (XXX Sys)

**REINFORCED CONCRETE BOX STRUCTURE**

Span: 3'-0"  
Rise: 2'-0"  
Skew: 04°00'00" (RT)  
SR 32 Over UNT To Little Sugar Creek, Boone County, Indiana.  
CV 032-006-49.04

- LEGEND**
- (K) Full Depth Pavement (see typical section)
  - (R) Structural Overlay (See Typical Sections)
  - (R) HMA Overlay (See Typical Sections)
  - (N) Compacted Aggregate

HMA for Structure Installation, Type B

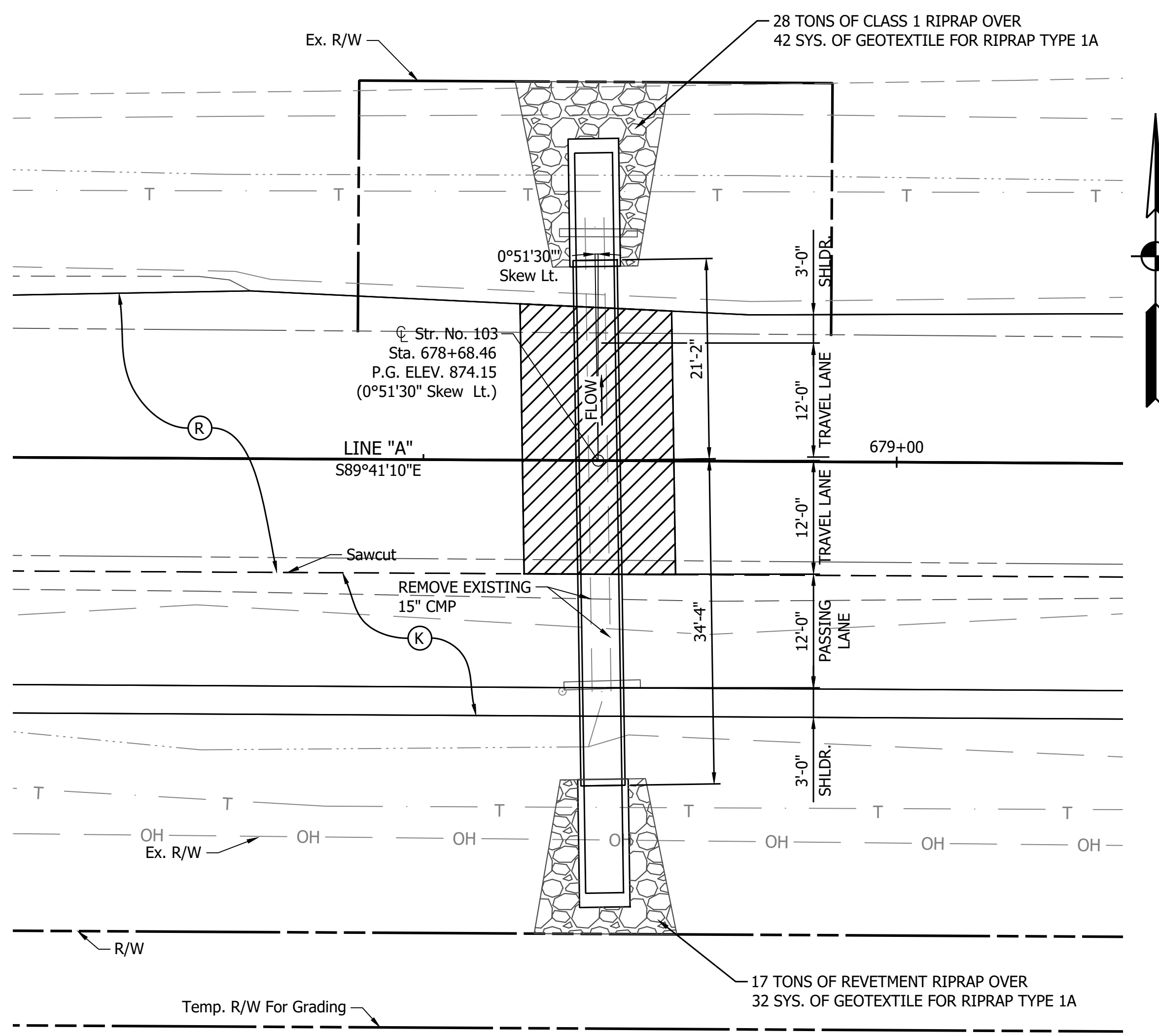
|                          |                 |      |
|--------------------------|-----------------|------|
| RECOMMENDED FOR APPROVAL | DESIGN ENGINEER | DATE |
| DESIGNED: YZ             | DRAWN: MR       |      |
| CHECKED: RDS             | CHECKED: YZ     |      |

INDIANA DEPARTMENT OF TRANSPORTATION

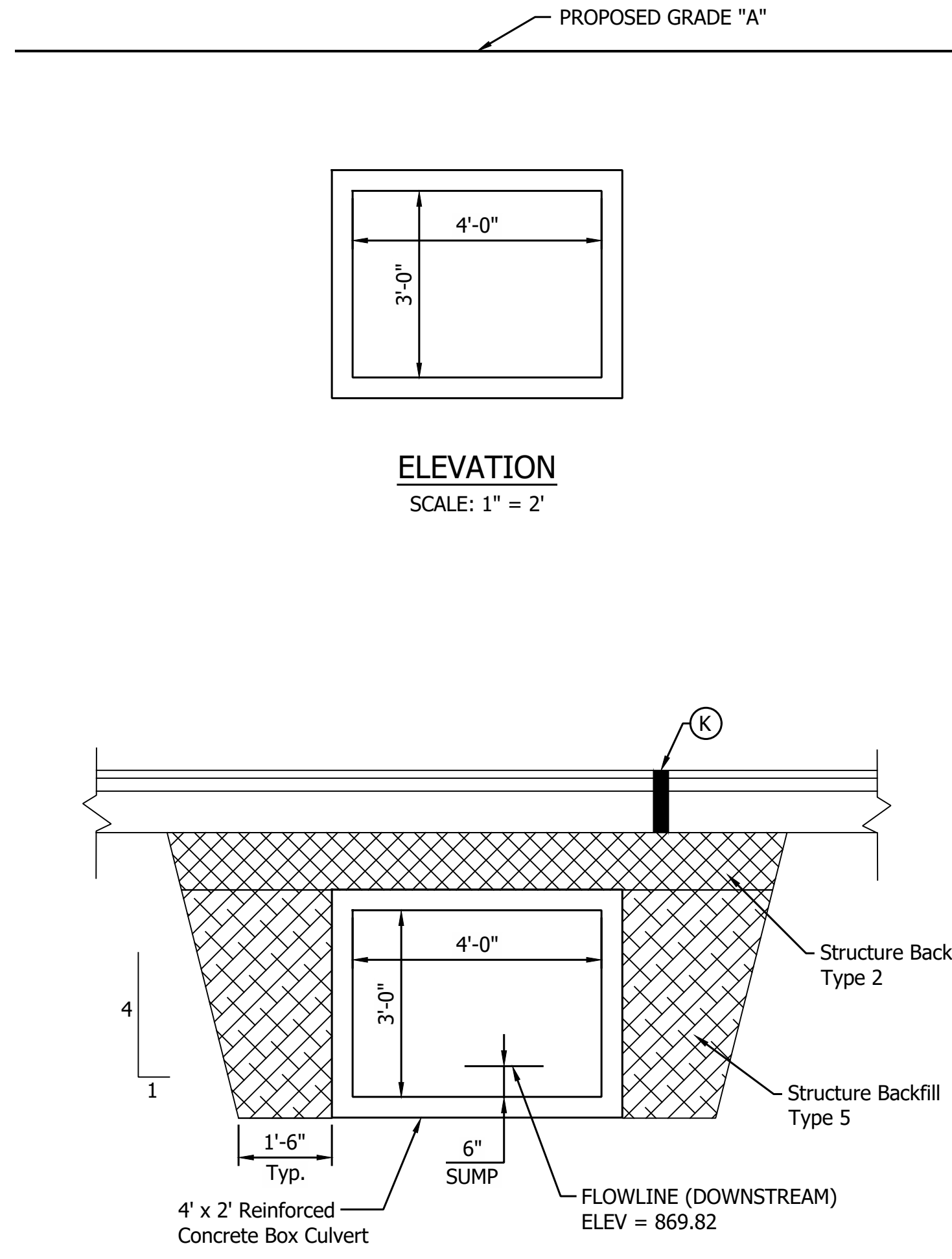
GENERAL PLAN  
STRUCTURE 102 BOX CULVERT

|                  |             |
|------------------|-------------|
| HORIZONTAL SCALE | BRIDGE FILE |
| AS NOTED         | N/A         |
| VERTICAL SCALE   | DESIGNATION |
| AS NOTED         | 2201187     |
| SURVEY BOOK      | SHEET       |
|                  | 45 of 173   |
| CONTRACT         | PROJECT     |
| R-42253          | 1800060     |

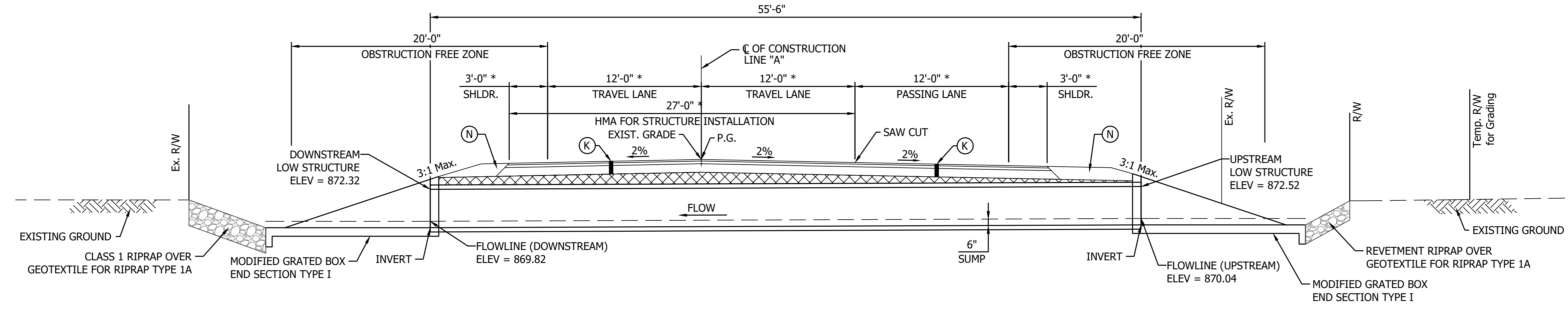
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 PLOT SCALE: 1:1  
 EDIT DATE: 3/15/23 - 4:40 PM  
 EDITED BY: MMURRAY  
 DRAWING FILE: P:\20-500-165-1 SR 32 PASSING LANES ACAD\103 GENERAL PLAN\RD-GP-CULVERTS 102.DWG



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



**STRUCTURE BACKFILL AT CULVERT**  
SCALE: 1" = 2'



**TYPICAL SECTION**  
SCALE: 1" = 5'

\* ALL MEASURED PERPENDICULAR TO ROADWAY

**DESIGN DATA**

Structure shall be designed for HL-93 loading, in accordance with the AASHTO LRFD Bridge Design Specifications, Ninth Edition, 2020 and subsequent interim.

Dead Load increased 35 PSF for Fure Wearing Surface

**HYDRAULIC DATA**

|                                     |   |           |
|-------------------------------------|---|-----------|
| Drainage Area                       | = | 32.61 ac. |
| Q100 Discharge                      | = | 60.92 cfs |
| Q50 Discharge                       | = | 51.30 cfs |
| Headwater Elevation @ Q100          | = | 873.57 ft |
| Backwater @ Q100                    | = | 3.00 ft   |
| Water Surface Elevation @ Q100      | = | 870.35 ft |
| Outlet Velocity @ Q50               | = | 7.45 ft/s |
| Natural Channel Velocity @ Q50      | = | 1.66 ft/s |
| Existing Q100 Discharge             | = | 60.92 cfs |
| Existing Headwater Elevation @ Q100 | = | 874.36 ft |
| Existing Backwater @ Q100           | = | 3.83 ft   |

**NOTES:**

- Contractor Shall Verify Existing Flowline Elevation to set the Appropriate Sump Depth.
- Reinforcement in the Box Culvert Shall be Epoxy Coated.
- Contractor Shall Provide a XXft Undercut (XXX Cys) and Replace the Soil with XX in of Compacted Aggregate, No. 5 (XXX Cys) on top of Geotextiles, Type 2B (XXX Sys)

**REINFORCED CONCRETE BOX STRUCTURE**

Span: 4'-0"  
Rise: 2'-0"  
Skew: 00°51'30" (Rt)  
SR 32 Over UNT To Little Sugar Creek, Boone County, Indiana.  
CV 032-006-49.65

- LEGEND**
- (K) Full Depth Pavement (see typical section)
  - (R) Structural Overlay (See Typical Sections)
  - (R1) HMA Overlay (See Typical Sections)
  - (N) Compacted Aggregate
  - HMA for Structure Installation, Type B

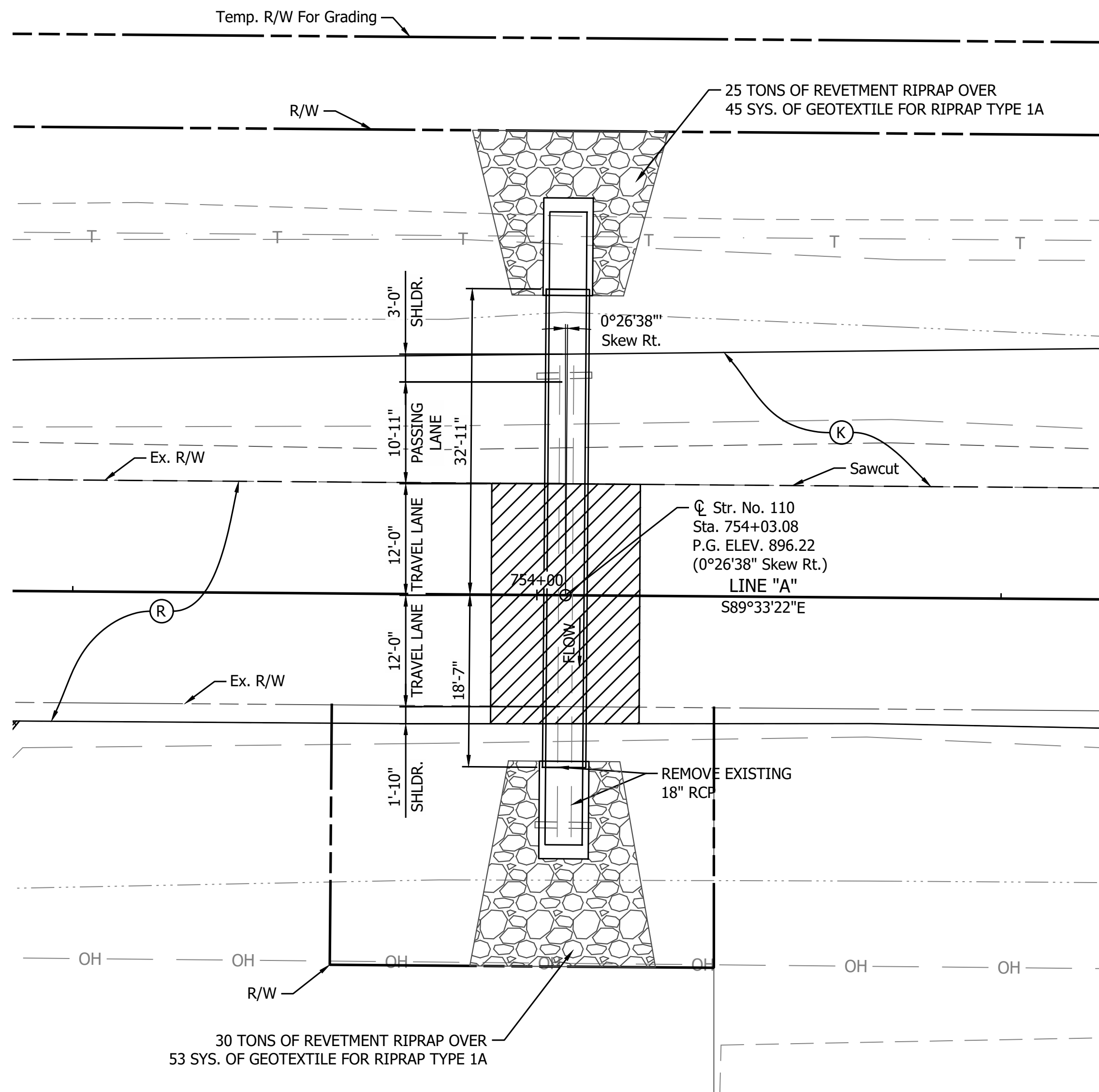
|                          |                 |      |
|--------------------------|-----------------|------|
| RECOMMENDED FOR APPROVAL | DESIGN ENGINEER | DATE |
| DESIGNED: YZ             | DRAWN: MR       |      |
| CHECKED: RDS             | CHECKED: YZ     |      |

INDIANA  
DEPARTMENT OF TRANSPORTATION

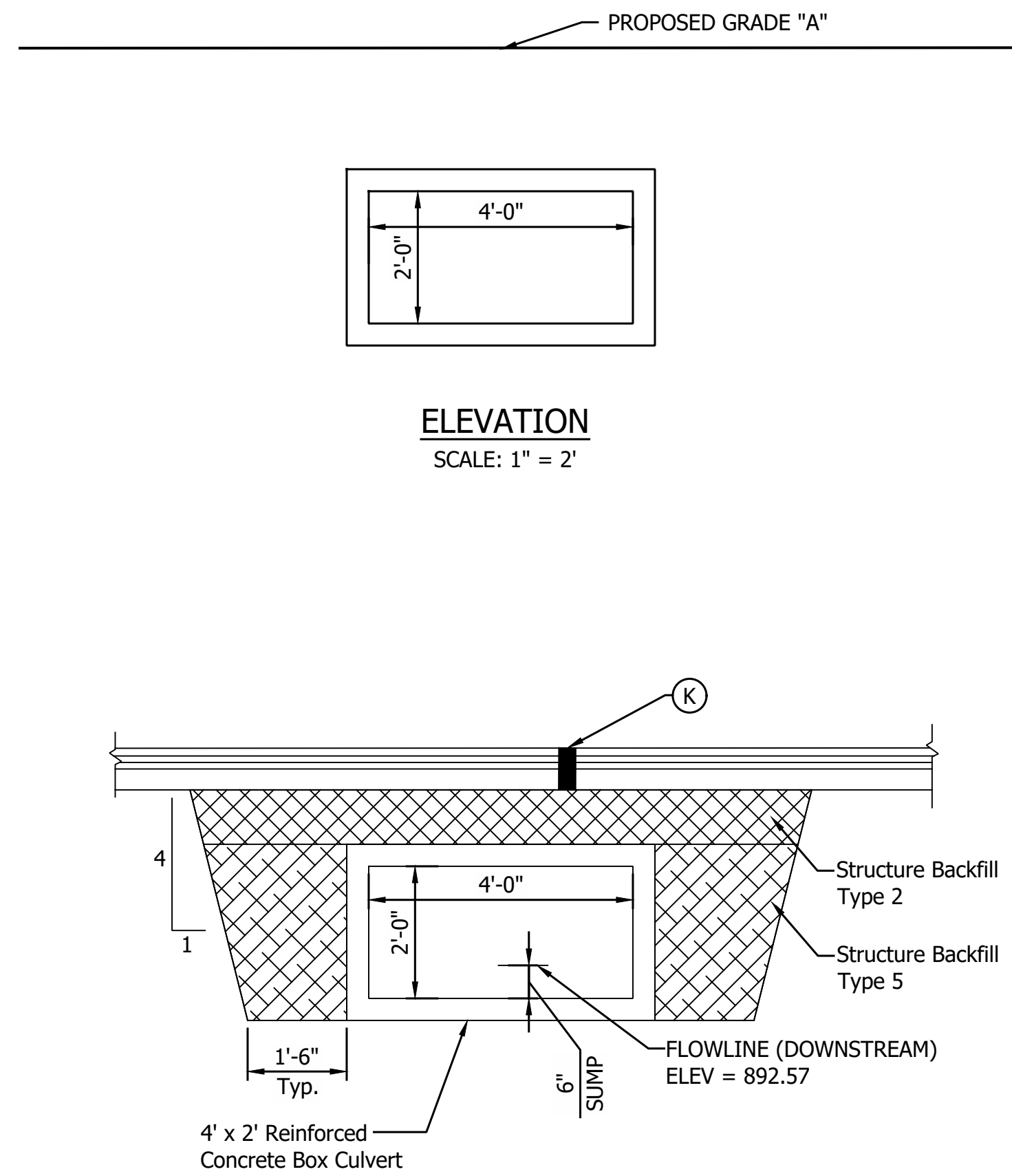
GENERAL PLAN  
STRUCTURE 103 BOX CULVERT

|                  |             |
|------------------|-------------|
| HORIZONTAL SCALE | BRIDGE FILE |
| AS NOTED         | N/A         |
| VERTICAL SCALE   | DESIGNATION |
| AS NOTED         | 2201188     |
| SURVEY BOOK      | SHEET       |
|                  | 46 of 173   |
| CONTRACT         | PROJECT     |
| R-42253          | 1800060     |

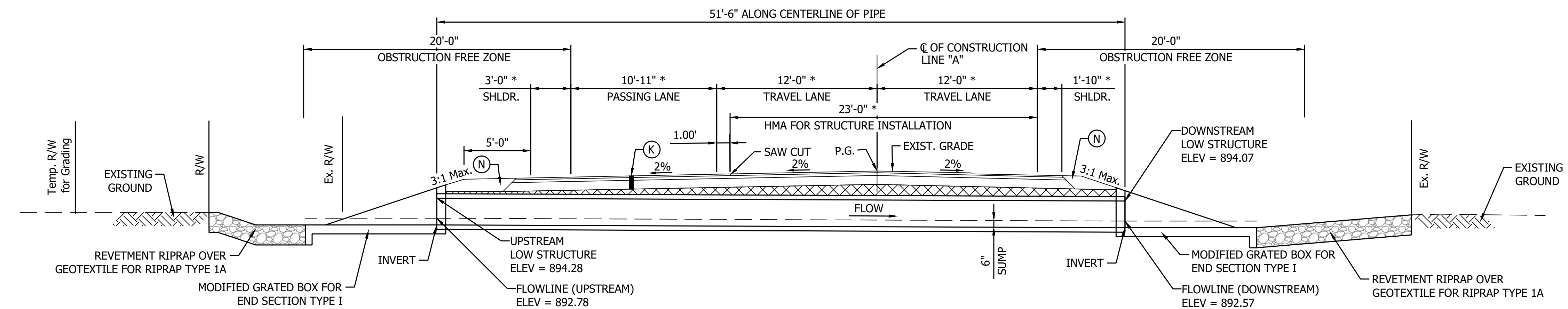
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 EDITED BY: MMURRAY  
 DATE: 3/15/23 - 3:04 PM



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



**STRUCTURE BACKFILL AT CULVERT**  
SCALE: 1" = 2'



**TYPICAL SECTION**  
SCALE: 1" = 5'

**DESIGN DATA**

Structure shall be designed for HL-93 loading, in accordance with the AASHTO LRFD Bridge Design Specifications, Ninth Edition, 2020 and subsequent interim.

Dead Load increased 35 PSF for Fure Wearing Surface

**HYDRAULIC DATA**

|                                     |   |           |
|-------------------------------------|---|-----------|
| Drainage Area                       | = | 16.33 ac. |
| Q100 Discharge                      | = | 34.82 cfs |
| Q50 Discharge                       | = | 29.57 cfs |
| Headwater Elevation @ Q100          | = | 895.67 ft |
| Backwater @ Q100                    | = | 2.42 ft   |
| Water Surface Elevation @ Q100      | = | 893.00 ft |
| Outlet Velocity @ Q50               | = | 6.49 ft/s |
| Natural Channel Velocity @ Q50      | = | 1.40 ft/s |
| Existing Q100 Discharge             | = | 34.82 cfs |
| Existing Headwater Elevation @ Q100 | = | 896.34 ft |
| Existing Backwater @ Q100           | = | 3.13 ft   |

- NOTES:**
- Contractor Shall Verify Existing Flowline Elevation to set the Appropriate Sump Depth.
  - Reinforcement in the Box Culvert Shall be Epoxy Coated.
  - Contractor Shall Provide a XXft Undercut (XXX Cys) and Replace the Soil with XX in of Compacted Aggregate, No. 5 (XXX Cys) on top of Geotextiles, Type 2B (XXX Sys)

**REINFORCED CONCRETE BOX STRUCTURE**

Span: 4'-0"  
Rise: 2'-0"  
Skew: 0°26'38" (RT)

SR 32 Over UNT To Little Sugar Creek, Boone County, Indiana.  
CV 032-006-51.06,

PRINT DATE: 4/7/23 PLOT SCALE: 1:1 EDIT DATE: 3/15/23 3:24 PM EDITED BY: MMURRAY DRAWING FILE: P:\20-500-165-1 SR 32 PASSING LANES\ACAD\103 GENERAL PLAN\RD-GP-CULVERTS 110.DWG

- LEGEND**
- (K) Full Depth Pavement (see typical section)
  - (R) Structural Overlay (See Typical Sections)
  - (R1) HMA Overlay (See Typical Sections)
  - (N) Compacted Aggregate
  - (HMA) HMA for Structure Installation, Type B

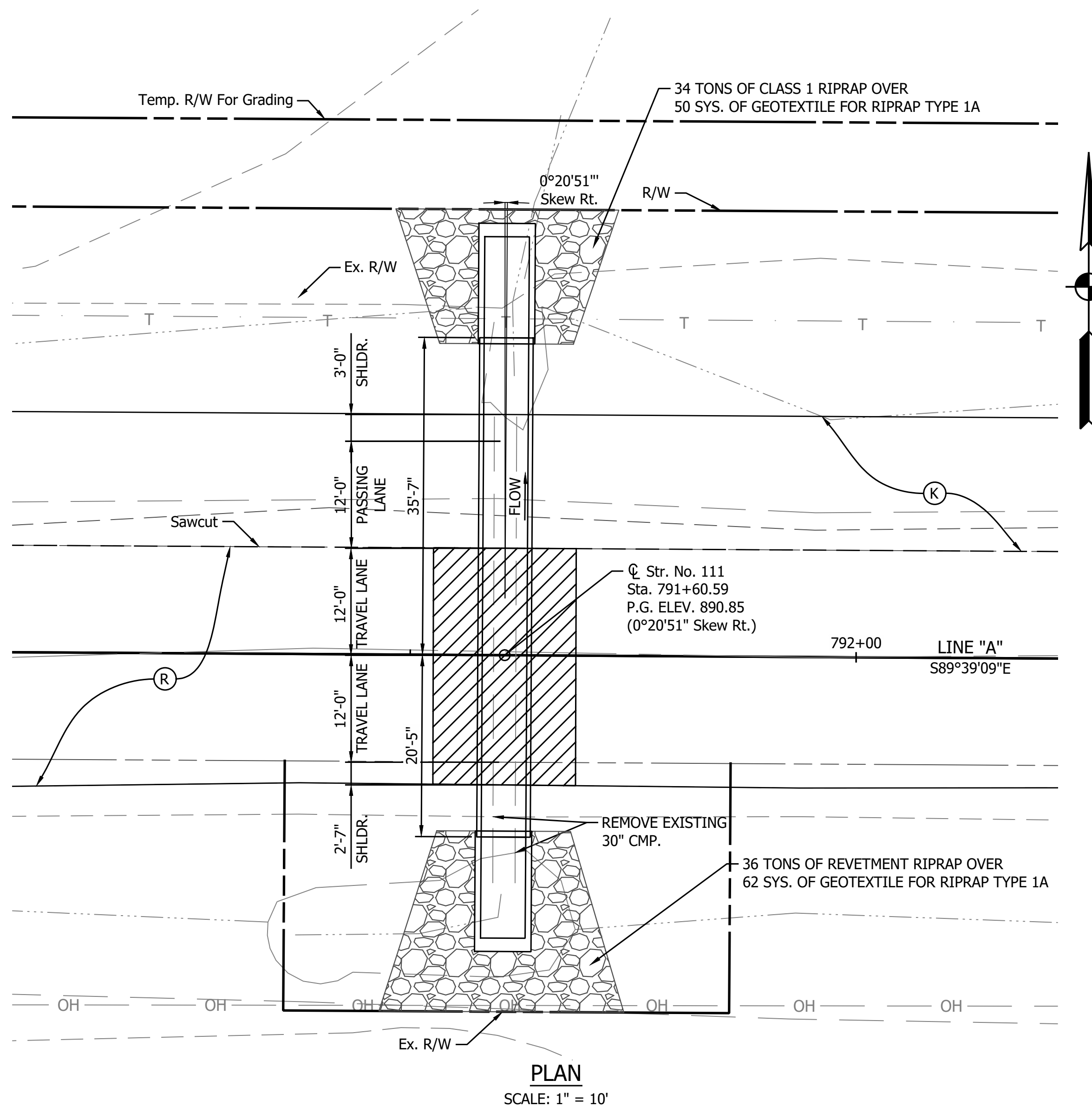
|                          |                 |      |
|--------------------------|-----------------|------|
| RECOMMENDED FOR APPROVAL | DESIGN ENGINEER | DATE |
| DESIGNED: YZ             | DRAWN: MR       |      |
| CHECKED: RDS             | CHECKED: YZ     |      |

**INDIANA DEPARTMENT OF TRANSPORTATION**

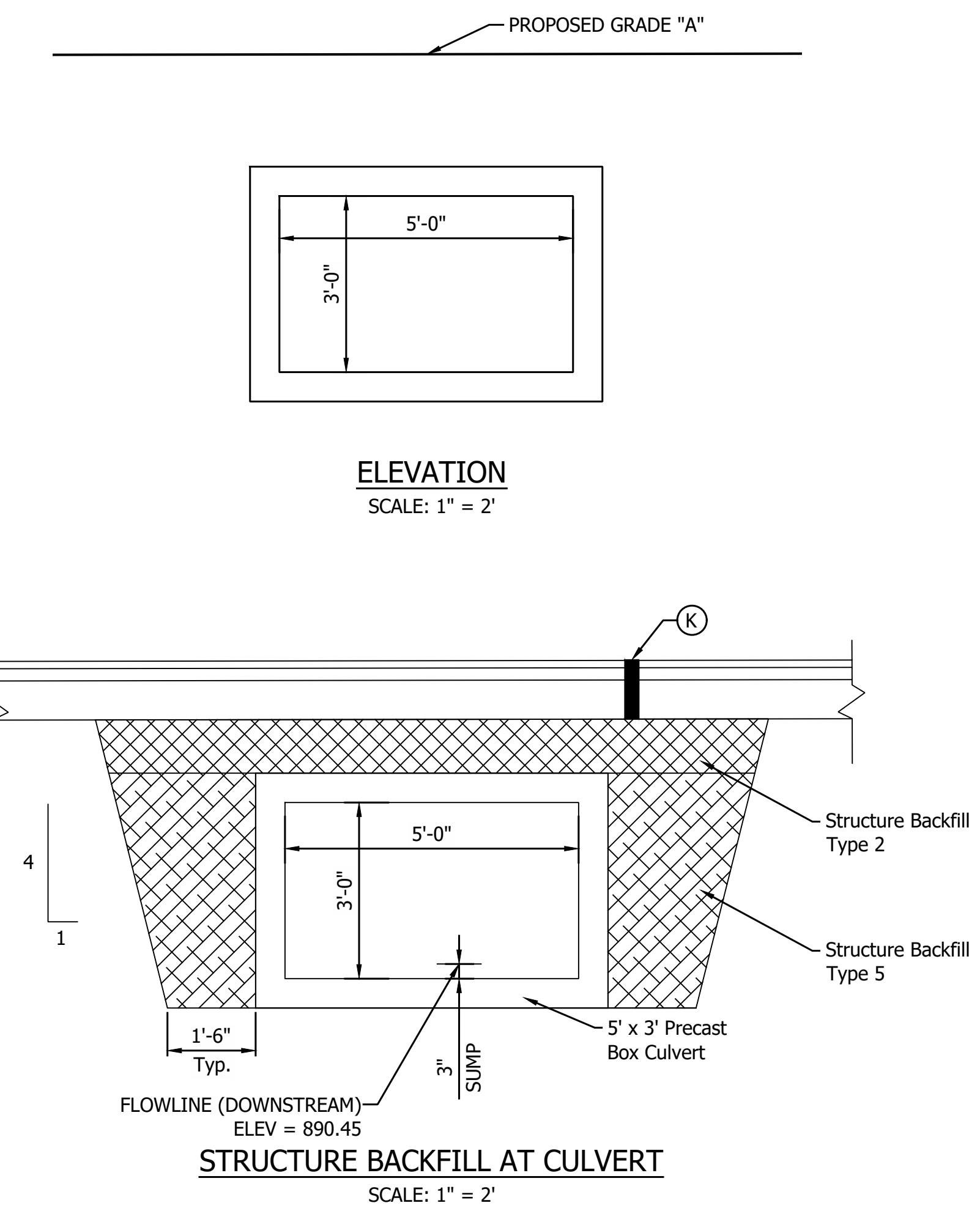
**GENERAL PLAN**  
**STRUCTURE 110 BOX CULVERT**

|                  |             |
|------------------|-------------|
| HORIZONTAL SCALE | BRIDGE FILE |
| AS NOTED         | N/A         |
| VERTICAL SCALE   | DESIGNATION |
| AS NOTED         | 2201189     |
| SURVEY BOOK      | SHEET       |
|                  | 47 of 173   |
| CONTRACT         | PROJECT     |
| R-42253          | 1800060     |

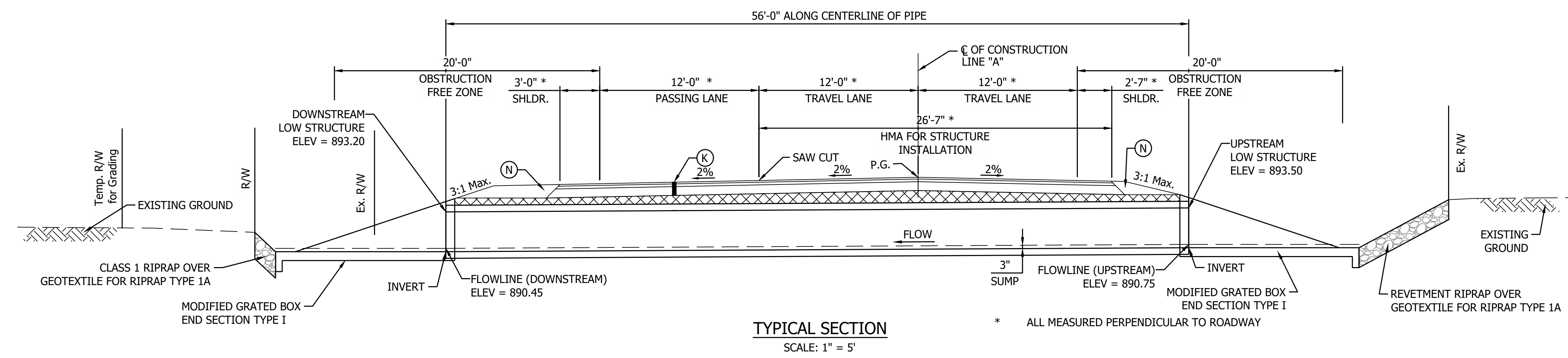
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**PLAN**  
SCALE: 1" = 10'



**STRUCTURE BACKFILL AT CULVERT**  
SCALE: 1" = 2'



**TYPICAL SECTION**  
SCALE: 1" = 5'

**DESIGN DATA**

Structure shall be designed for HL-93 loading, in accordance with the AASHTO LRFD Bridge Design Specifications, Ninth Edition, 2020 and subsequent interim.

Dead Load increased 35 PSF for Fure Wearing Surface

**HYDRAULIC DATA**

|                                     |   |            |
|-------------------------------------|---|------------|
| Drainage Area                       | = | 70.27 ac.  |
| Q100 Discharge                      | = | 105.37 cfs |
| Q50 Discharge                       | = | 87.73 cfs  |
| Headwater Elevation @ Q100          | = | 895.45 ft  |
| Backwater @ Q100                    | = | 2.12 ft    |
| Water Surface Elevation @ Q100      | = | 892.53 ft  |
| Outlet Velocity @ Q50               | = | 9.00 ft/s  |
| Natural Channel Velocity @ Q50      | = | 1.67 ft/s  |
| <br>                                |   |            |
| Existing Q100 Discharge             | = | 105.37 cfs |
| Existing Headwater Elevation @ Q100 | = | 895.98 ft  |
| Existing Backwater @ Q100           | = | 2.65 ft    |

**NOTES:**  
Contractor Shall Verify Existing Flowline Elevation to set the Appropriate Sump Depth.  
Reinforcement in the Box Culvert Shall be Epoxy Coated.

Contractor Shall Provide a XXft Undercut (XXX Cys) and Replace the Soil with XX in of Compacted Aggregate, No. 5 (XXX Cys) on top of Geotextiles, Type 2B (XXX Sys)

**REINFORCED CONCRETE BOX STRUCTURE**

Span: 5'-0"  
Rise: 3'-0"  
Skew: 0°20'51" (Rt)  
SR 32 Over UNIT To Sugar Creek, Boone County, Indiana.  
CV 032-006-51.79

**LEGEND**  
 Full Depth Pavement (see typical section)  
 Structural Overlay (See Typical Sections)  
 HMA Overlay (See Typical Sections)  
 Compacted Aggregate  
 HMA for Structure Installation, Type B

RECOMMENDED FOR APPROVAL \_\_\_\_\_  
DESIGN ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_  
 DESIGNED: YZ \_\_\_\_\_ DRAWN: MR \_\_\_\_\_  
 CHECKED: RDS \_\_\_\_\_ CHECKED: YZ \_\_\_\_\_

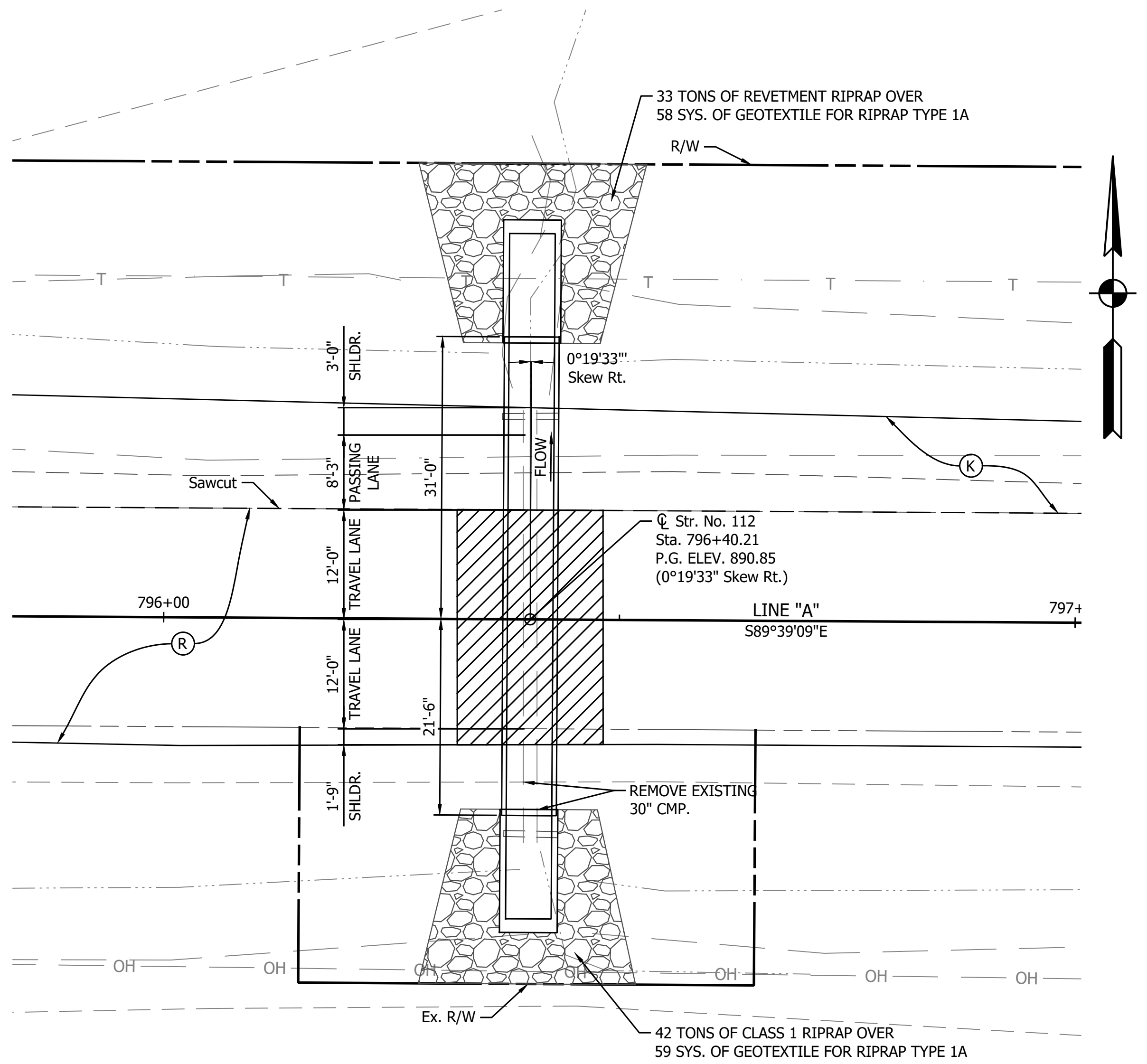
**INDIANA DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN**  
**STRUCTURE 111 BOX CULVERT**

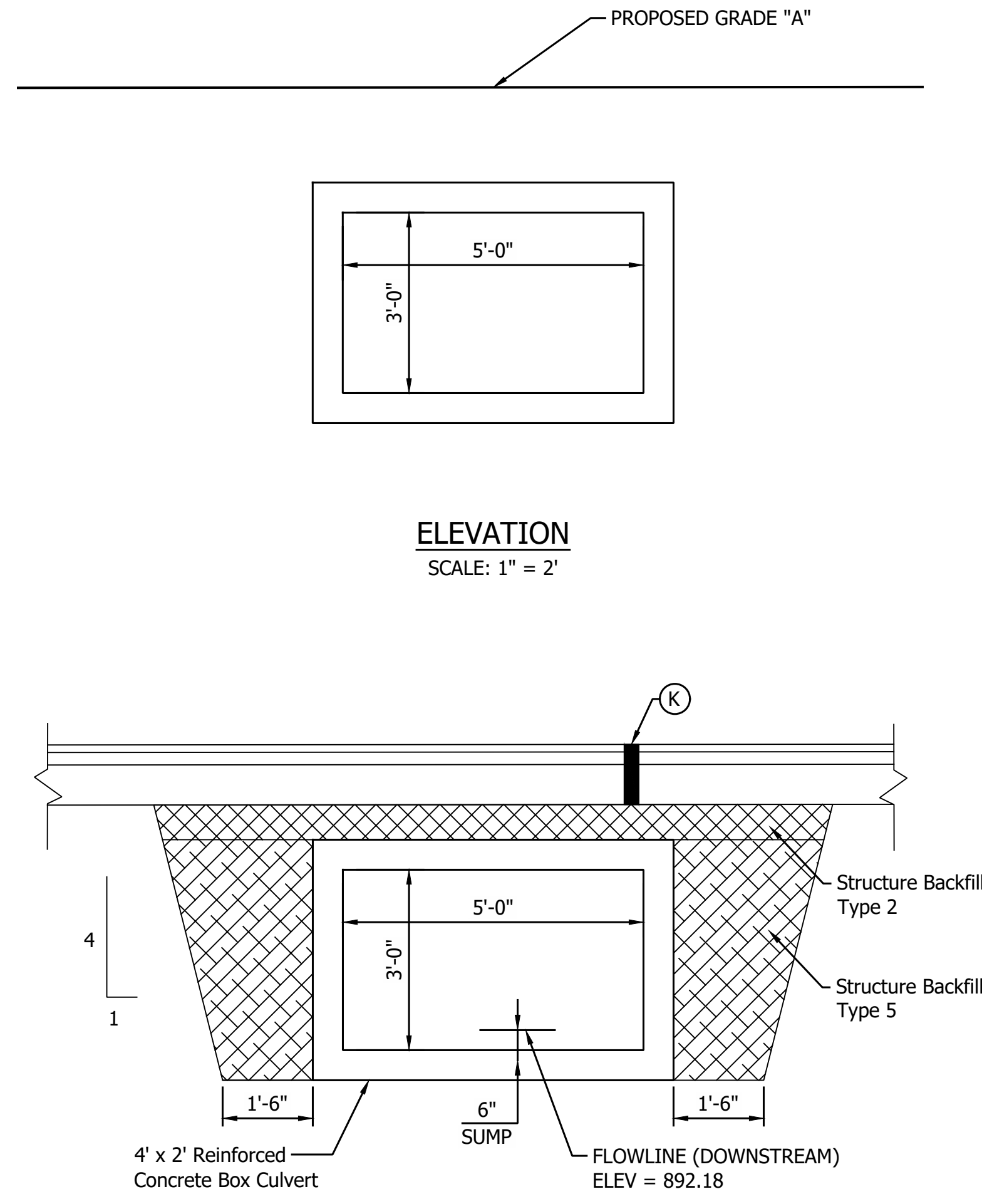
|                  |             |
|------------------|-------------|
| HORIZONTAL SCALE | BRIDGE FILE |
| AS NOTED         | N/A         |
| VERTICAL SCALE   | DESIGNATION |
| AS NOTED         | 2201190     |
| SURVEY BOOK      | SHEET       |
|                  | 48 of 173   |
| CONTRACT         | PROJECT     |
| R-42253          | 1800060     |



PRINT DATE: 4/7/23  
 PLOT SCALE: 1:1  
 DATE: 3/15/23 - 3:23 PM  
 EDITED BY: MMURRAY  
 DRAWING FILE: P:\20-500-165-1 SR 32 PASSING LANES\ACAD\103 GENERAL PLAN\RD-GP-CULVERTS 112.DWG

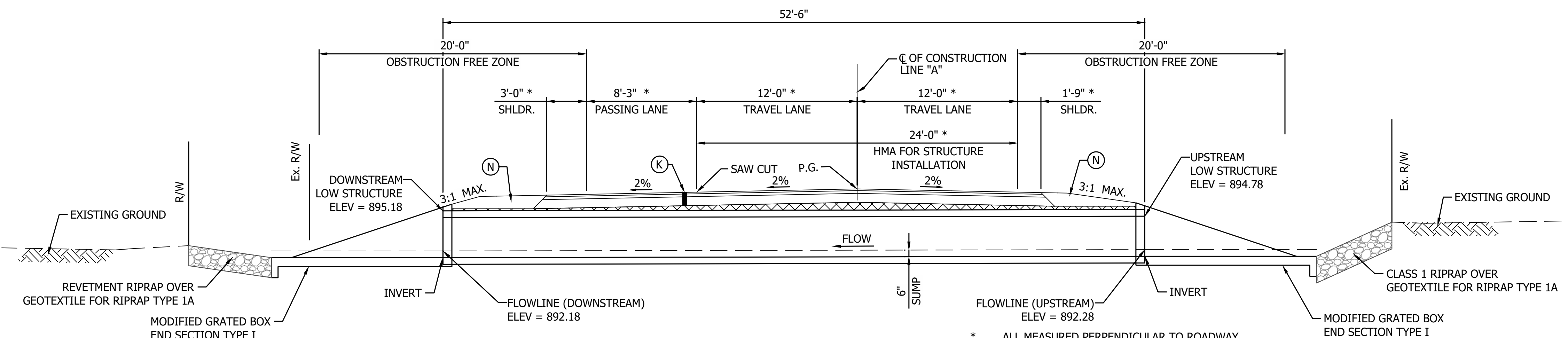


**PLAN**  
SCALE: 1" = 10'



**ELEVATION**  
SCALE: 1" = 2'

**STRUCTURE BACKFILL AT CULVERT**  
SCALE: 1" = 2'



**TYPICAL SECTION**  
SCALE: 1" = 5'

**DESIGN DATA**

Structure shall be designed for HL-93 loading, in accordance with the AASHTO LRFD Bridge Design Specifications, Ninth Edition, 2020 and subsequent interim.

Dead Load increased 35 PSF for Fure Wearing Surface

**HYDRAULIC DATA**

|                                     |   |           |
|-------------------------------------|---|-----------|
| Drainage Area                       | = | 41.43 ac. |
| Q100 Discharge                      | = | 53.06 cfs |
| Q50 Discharge                       | = | 44.15 cfs |
| Headwater Elevation @ Q100          | = | 895.45 ft |
| Backwater @ Q100                    | = | 0.83 ft   |
| Water Surface Elevation @ Q100      | = | 893.46 ft |
| Outlet Velocity @ Q50               | = | 6.89 ft/s |
| Natural Channel Velocity @ Q50      | = | 1.67 ft/s |
| Existing Q100 Discharge             | = | 53.06 cfs |
| Existing Headwater Elevation @ Q100 | = | 895.98 ft |
| Existing Backwater @ Q100           | = | 1.36 ft   |

**NOTES:**

- Contractor Shall Verify Existing Flowline Elevation to set the Appropriate Sump Depth.
- Reinforcement in the Box Culvert Shall be Epoxy Coated.
- Contractor Shall Provide a XXft Undercut (XXX Cys) and Replace the Soil with XX in of Compacted Aggregate, No. 5 (XXX Cys) on top of Geotextiles, Type 2B (XXX Sys)

**REINFORCED CONCRETE BOX STRUCTURE**

Span: 5'-0"  
 Rise: 3'-0"  
 Skew: 0°19'33" (Rt)

SR 32 Over UNIT To Sugar Creek, Boone County, Indiana.  
 CV 032-006-51.88

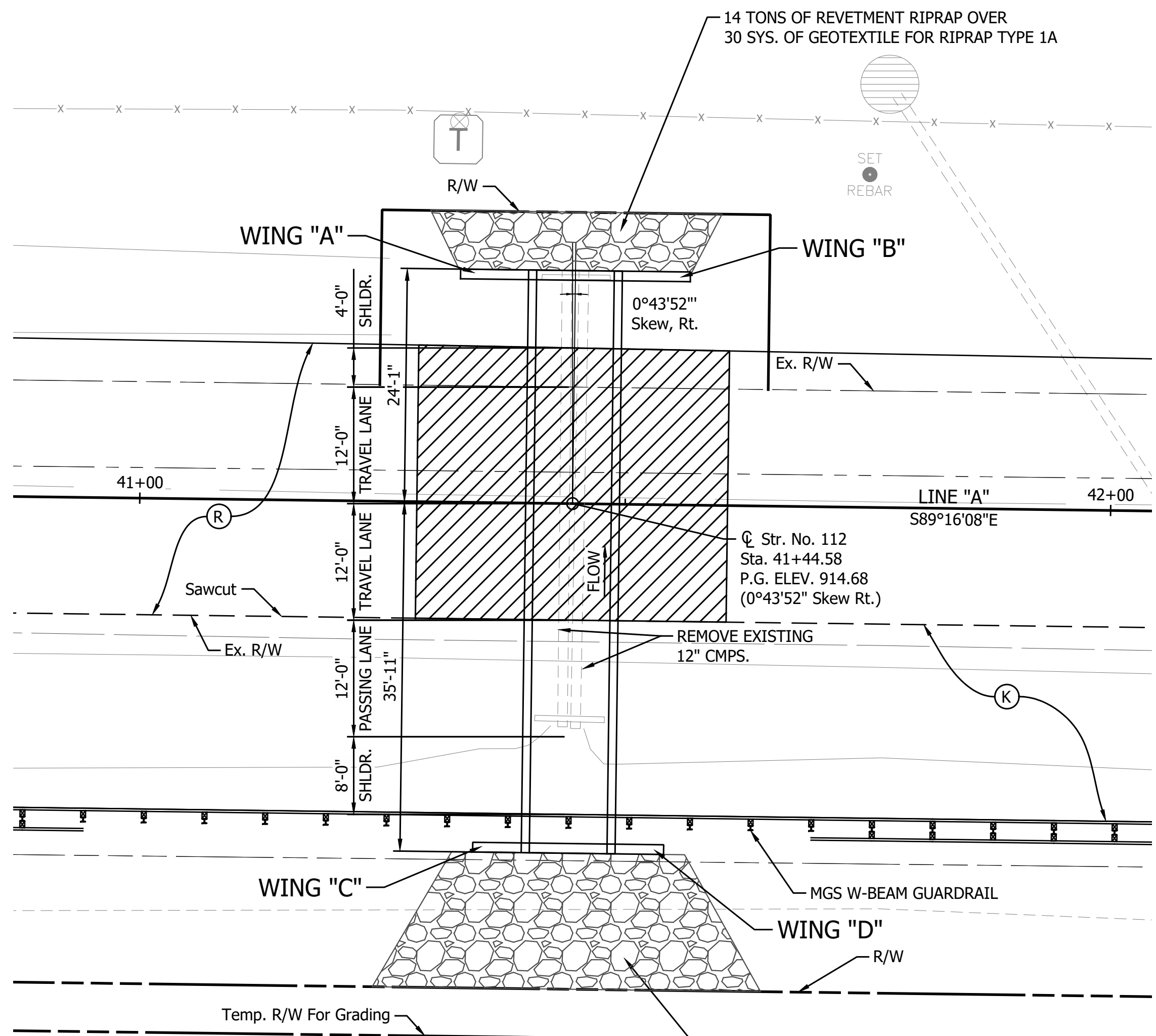
- (K) Full Depth Pavement (see typical section)
- (R) Structural Overlay (See Typical Sections)
- (R1) HMA Overlay (See Typical Sections)
- (N) Compacted Aggregate

- LEGEND**
- HMA for Structure Installation, Type B

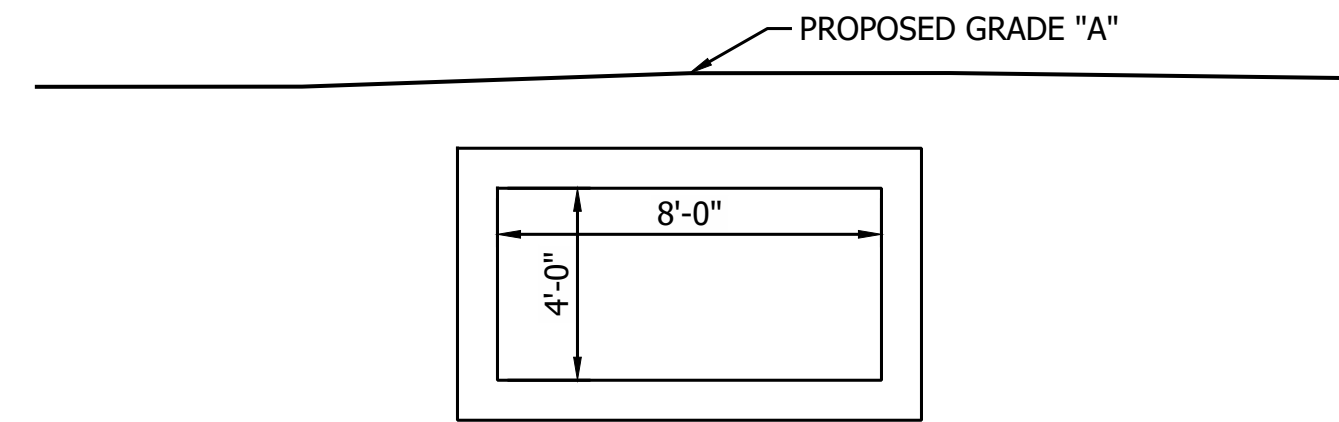
|                          |                 |      |
|--------------------------|-----------------|------|
| RECOMMENDED FOR APPROVAL | DESIGN ENGINEER | DATE |
| DESIGNED: YZ             | DRAWN: MR       |      |
| CHECKED: RDS             | CHECKED: YZ     |      |

**INDIANA DEPARTMENT OF TRANSPORTATION**  
**GENERAL PLAN**  
**STRUCTURE 112 BOX CULVERT**

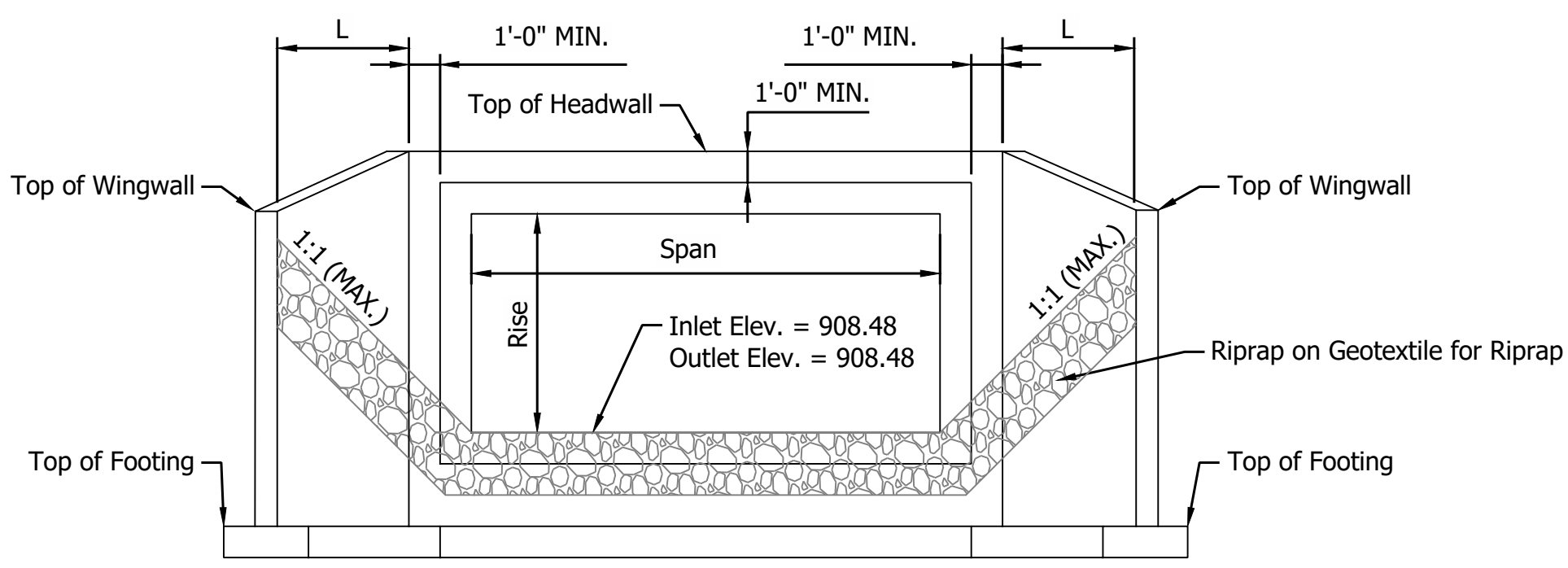
|                  |             |
|------------------|-------------|
| HORIZONTAL SCALE | BRIDGE FILE |
| AS NOTED         | N/A         |
| VERTICAL SCALE   | DESIGNATION |
| AS NOTED         | 2201191     |
| SURVEY BOOK      | SHEET       |
|                  | 49 of 173   |
| CONTRACT         | PROJECT     |
| R-42253          | 1800060     |



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



**ELEVATION**  
SCALE: 1/4" = 1'

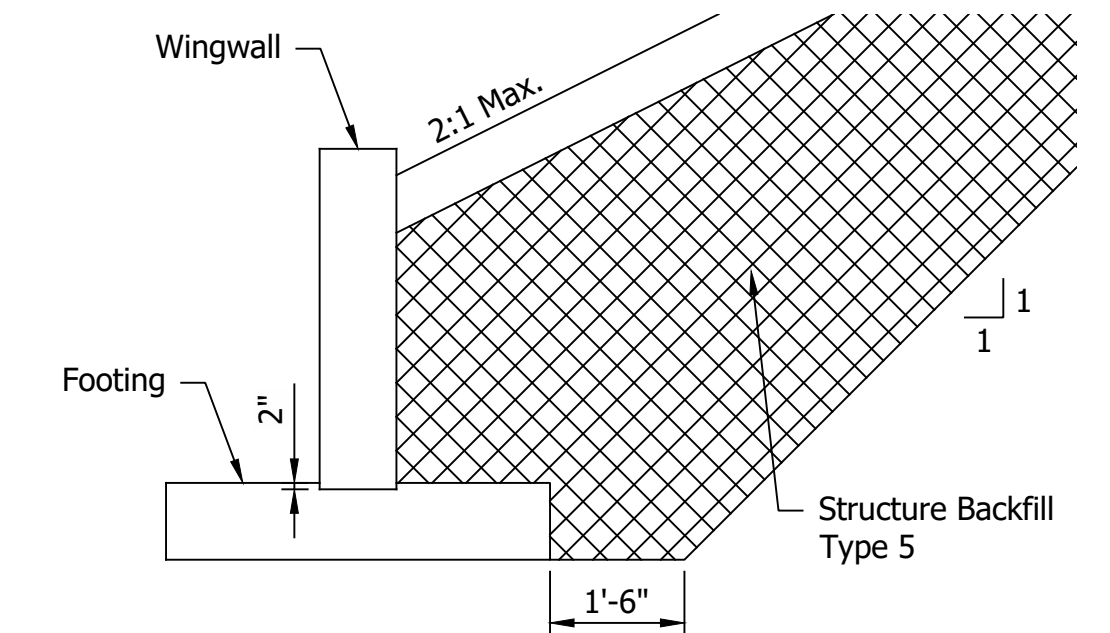


**TYPICAL WINGWALL ELEVATION DETAIL**  
NOT TO SCALE

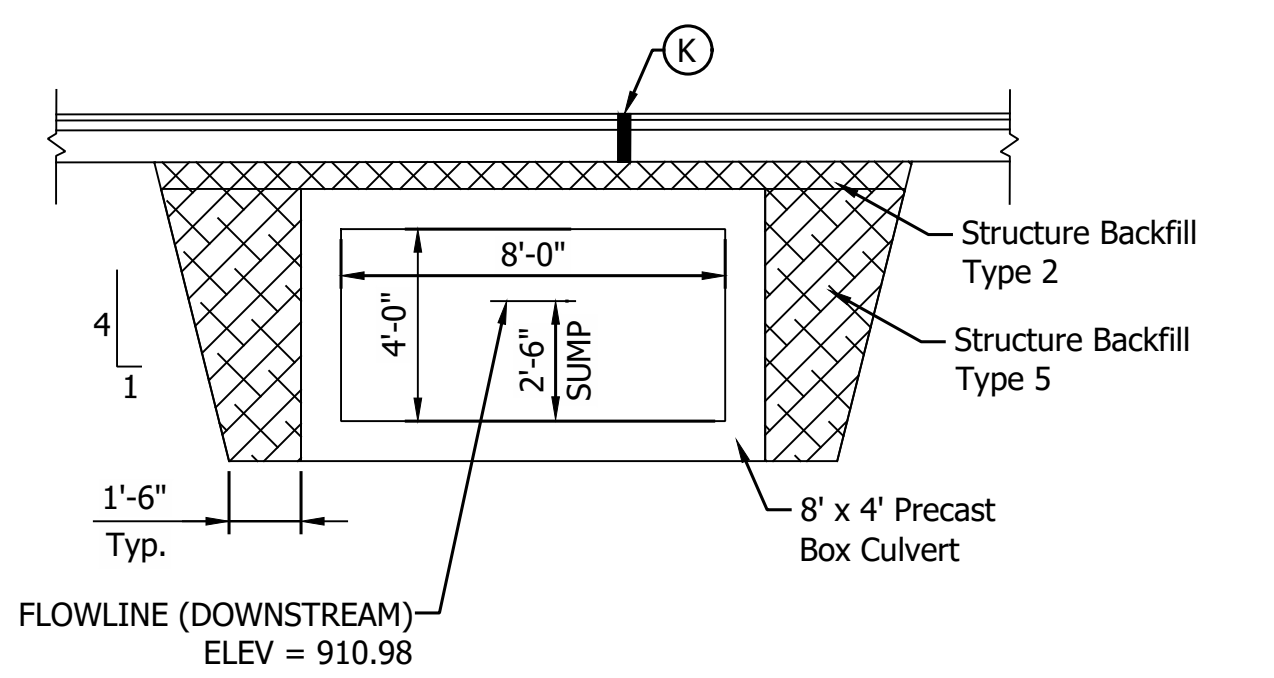
| WINGWALL TABLE      |      |                       |                       |
|---------------------|------|-----------------------|-----------------------|
| Wing                | "L"  | Top of Wall Elevation | Area of Wingwall      |
| A                   | 7 FT | XXX.XX                | XXX.X FT <sup>2</sup> |
| B                   | 7 FT | XXX.XX                | XXX.X FT <sup>2</sup> |
| C                   | 5 FT | XXX.XX                | XXX.X FT <sup>2</sup> |
| D                   | 5 FT | XXX.XX                | XXX.X FT <sup>2</sup> |
| TOTAL WING AREA *** |      |                       | XXX.X FT <sup>2</sup> |

\*\*\* ASSUMES DOWNSTREAM BOTTOM WING AT ELEV. XXX.XX (X" BELOW TOP OF FOOTING)  
ASSUMES UPSTREAM BOTTOM WING AT ELEV. XXX.XX (X" BELOW TOP OF FOOTING)  
ESTIMATED QUANTITY OF HEADWALLS = XX FT<sup>2</sup>

NOTE TO REVIEWER:  
WINGWALLS AND HEADWALLS  
WILL BE DESIGNED PRIOR TO  
THE STAGE 3 SUBMITTAL.



**TYPICAL EXCAVATION STRUCTURE BACKFILL LIMIT AT WINGWALLS**  
SCALE: 1" = 5'



**STRUCTURE BACKFILL AT CULVERT**  
SCALE: 1/4" = 1'

| SOIL PARAMETERS FOR WINGWALL DESIGN |   |
|-------------------------------------|---|
| X,XXX (B = X ft)                    | Factored Bearing Resistance (psf)   |
| X,XXX (B = X ft)                    |   |
| X,XXX (B = X ft)                    |   |
| 0.XX                                | Resistance Factor ( $\phi$ )  |
| X,XXX (B = X ft)                    | Nominal Bearing Resistance (psf)  |
| X,XXX (B = X ft)                    |   |
| X,XXX (B = X ft)                    |   |
| XX                                  | Friction Angle between Wingwall and Structure Backfill (Type II) ( $\delta$ ) |
| 0.X                                 | Friction Factor between Footing and Foundation Soil                           |
| XX                                  | Cohesion of Foundation Soil (psf)   |
| XX                                  | Adhesion of Foundation Soil (psf)   |
| XX                                  | Internal Friction Angle of Foundation Soil ( $\phi_b$ )                       |
| XXX                                 | Estimated Unit Weight of Structure Backfill, moist/saturated (pcf)            |

\*Varies depending on width of foundation (B). Interpolation between provided values is permitted

**DESIGN DATA**

Structure shall be designed for HL-93 loading, in accordance with the AASHTO LRFD Bridge Design Specifications, Ninth Edition, 2020 and subsequent interim.

Dead Load increased 35 PSF for Pure Wearing Surface

**HYDRAULIC DATA**

|                                     |   |           |
|-------------------------------------|---|-----------|
| Drainage Area                       | = | 39.84 ac. |
| Q100 Discharge                      | = | 69.12 cfs |
| Q50 Discharge                       | = | 57.85 cfs |
| Headwater Elevation @ Q100          | = | 914.22 ft |
| Backwater @ Q100                    | = | 2.66 ft   |
| Water Surface Elevation @ Q100      | = | 911.56 ft |
| Outlet Velocity @ Q50               | = | 6.34 ft/s |
| Natural Channel Velocity @ Q50      | = | 1.39 ft/s |
| Existing Q100 Discharge             | = | 69.12 cfs |
| Existing Headwater Elevation @ Q100 | = | 914.60 ft |
| Existing Backwater @ Q100           | = | 3.04 ft   |

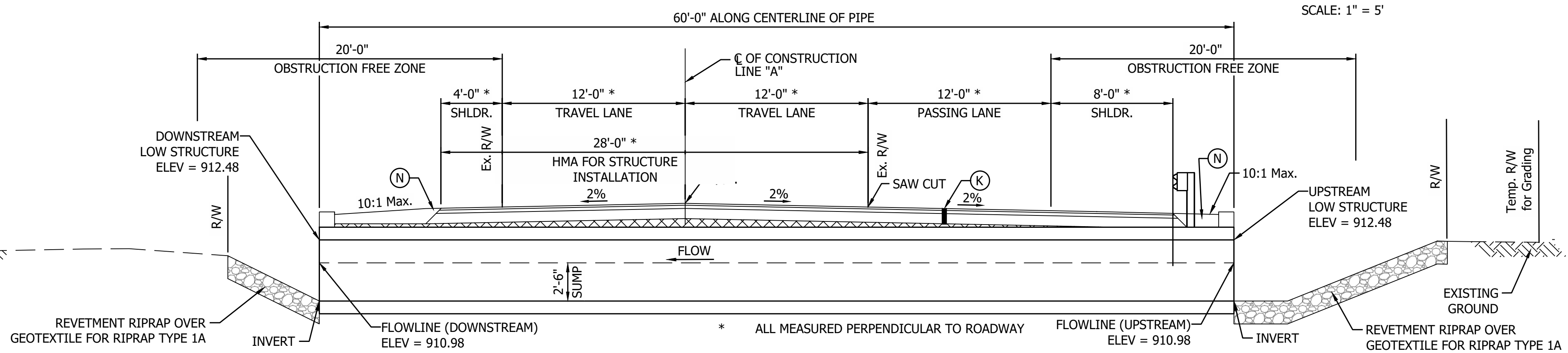
NOTES:  
Contractor Shall Verify Existing Flowline Elevation to set the Appropriate Sump Depth.

Reinforcement in the Box Culvert Shall be Epoxy Coated.

Contractor Shall Provide a XXft Undercut (XXX Cys) and Replace the Soil with XX in of Compacted Aggregate, No. 5 (XXX Cys) on top of Geotextiles, Type 2B (XXX Sys)

**REINFORCED CONCRETE BOX STRUCTURE**

Span: 8'-0"  
Rise: 4'-0"  
Skew: 0°43'52" (Rt)  
SR 32 Over UNT To Sugar Creek, Boone County, Indiana.  
CV 032-006-53.02



**TYPICAL SECTION**  
SCALE: 1" = 5'

- (K) Full Depth Pavement (see typical section)
- (R) Structural Overlay (See Typical Sections)
- (R1) HMA Overlay (See Typical Sections)
- (N) Compacted Aggregate

**LEGEND**  
HMA for Structure Installation, Type B

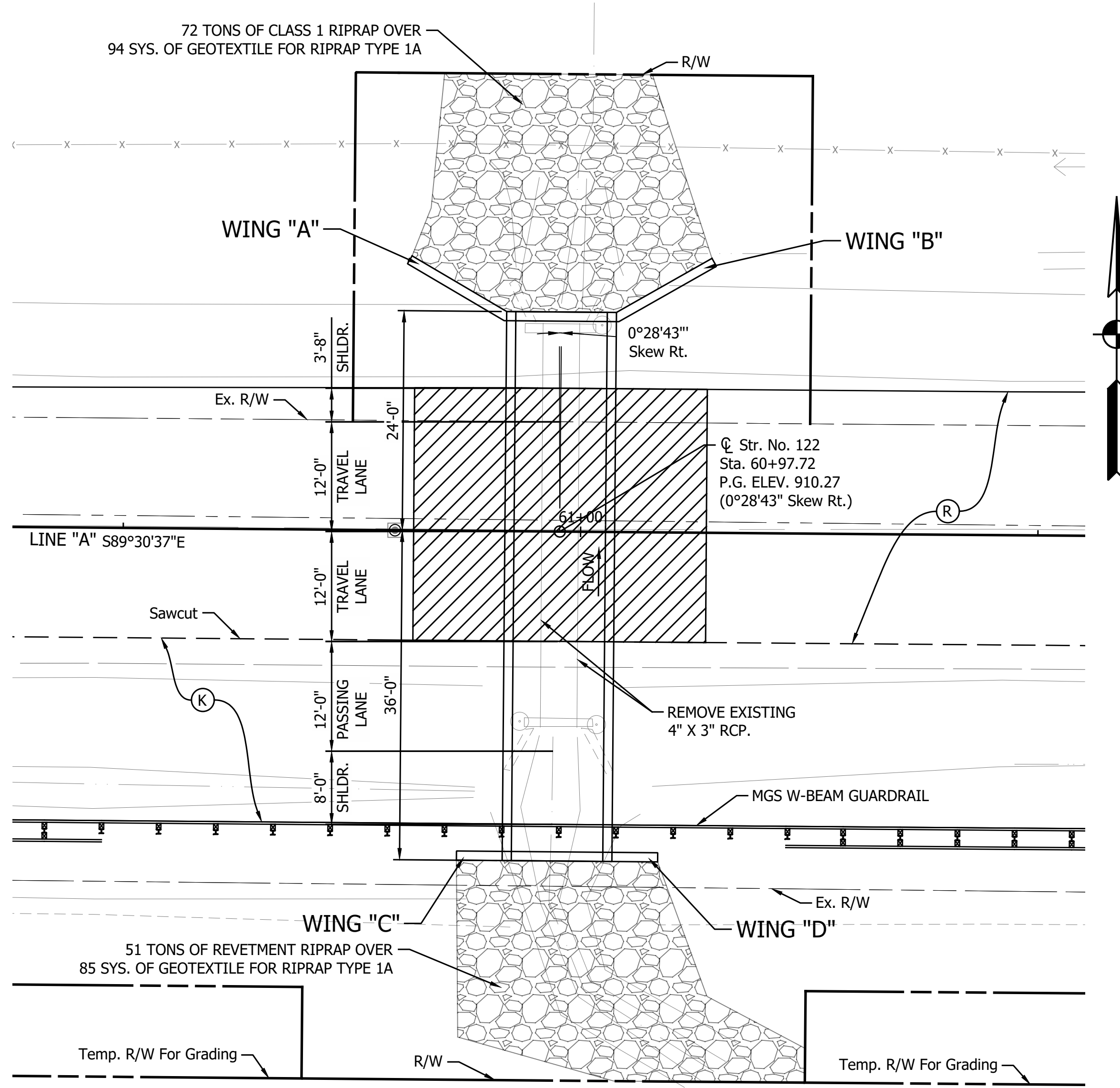
|                          |                 |      |
|--------------------------|-----------------|------|
| RECOMMENDED FOR APPROVAL | DESIGN ENGINEER | DATE |
| DESIGNED: YZ             | DRAWN: MR       |      |
| CHECKED: RDS             | CHECKED: YZ     |      |

INDIANA  
DEPARTMENT OF TRANSPORTATION  
GENERAL PLAN  
STRUCTURE 121 BOX CULVERT

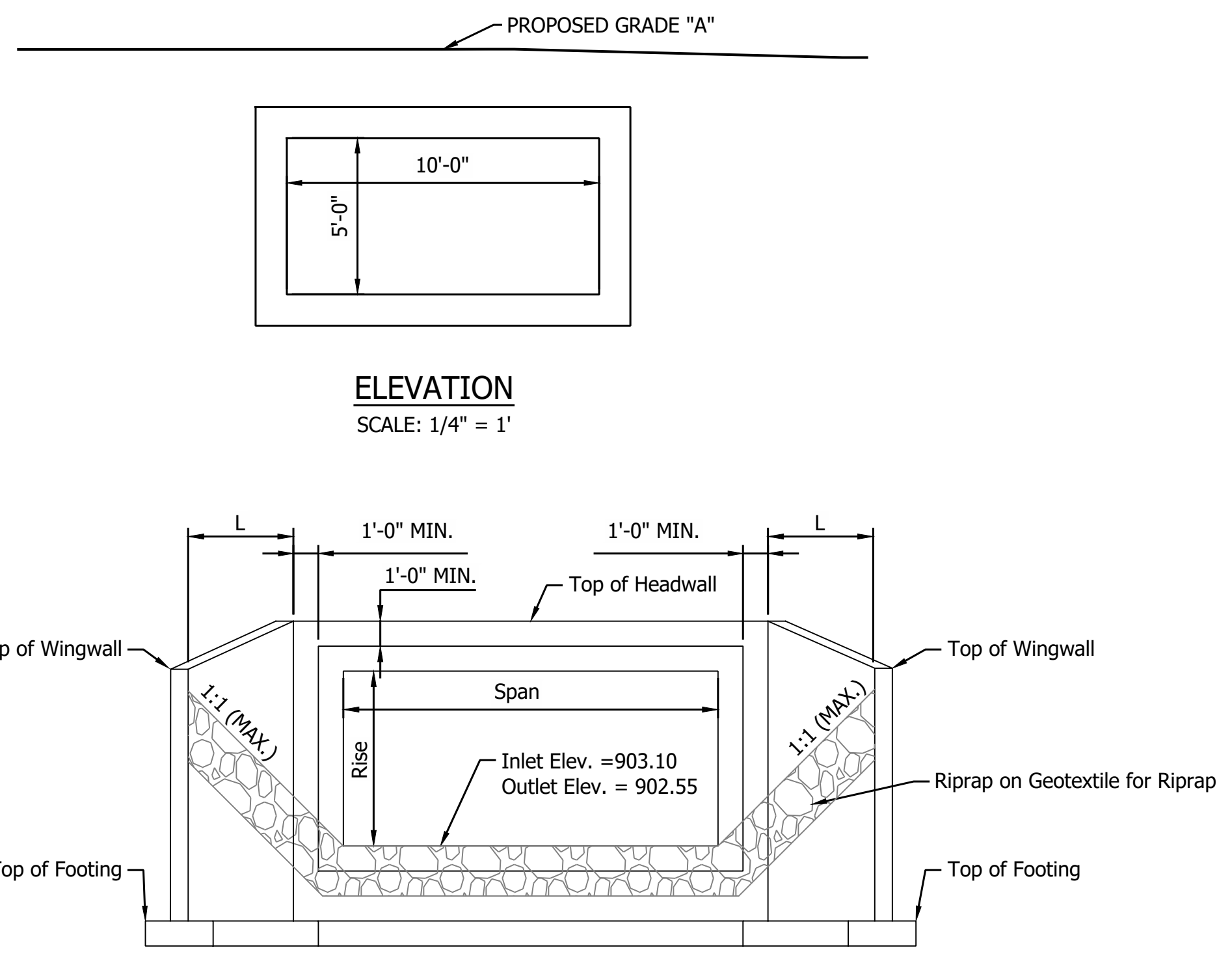
|                  |             |
|------------------|-------------|
| HORIZONTAL SCALE | BRIDGE FILE |
| AS NOTED         | N/A         |
| VERTICAL SCALE   | DESIGNATION |
| AS NOTED         | 2201192     |
| SURVEY BOOK      | SHEET       |
|                  | 50 of 173   |
| CONTRACT         | PROJECT     |
| R-42253          | 1800060     |

PRINT DATE: 4/7/23 PLOT SCALE: 1:1 EDIT DATE: 3/27/23 11:37 AM EDITED BY: MMURRAY DRAWING FILE: P:\20-500-165-1 SR 32 PASSING LANES\5 ACAD\03 GENERAL PLAN\RD-GP-CULVERTS\121.DWG

PRINT DATE: 4/7/23  
 PLOT SCALE: 1:1  
 EDIT DATE: 3/27/23 11:35 AM  
 EDITED BY: MMURRAY  
 DRAWING FILE: P:\20-500-165-1 SR 32 PASSING LANES\5 ACAD\103 GENERAL PLAN\RD-GP-CULVERTS\122.DWG



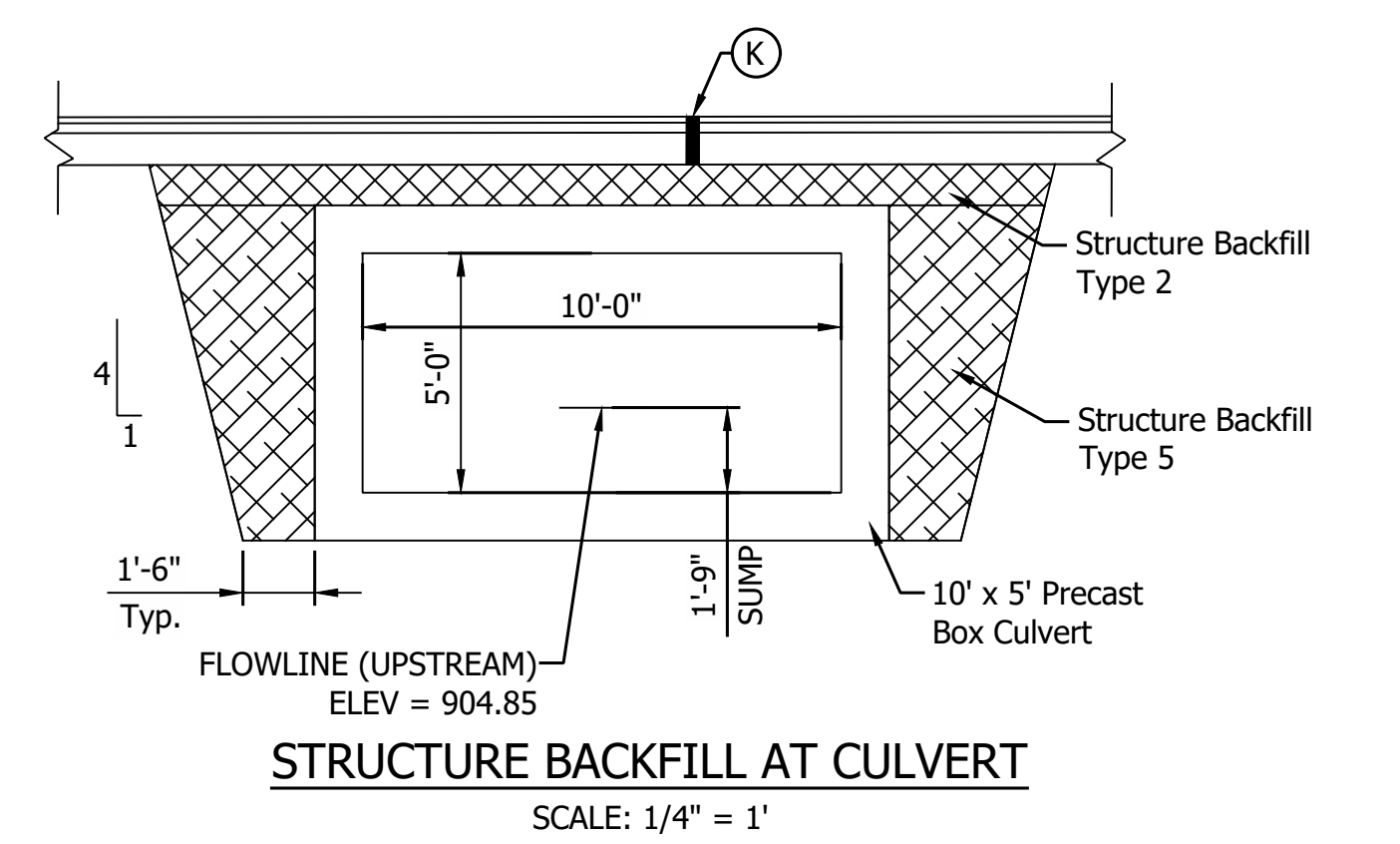
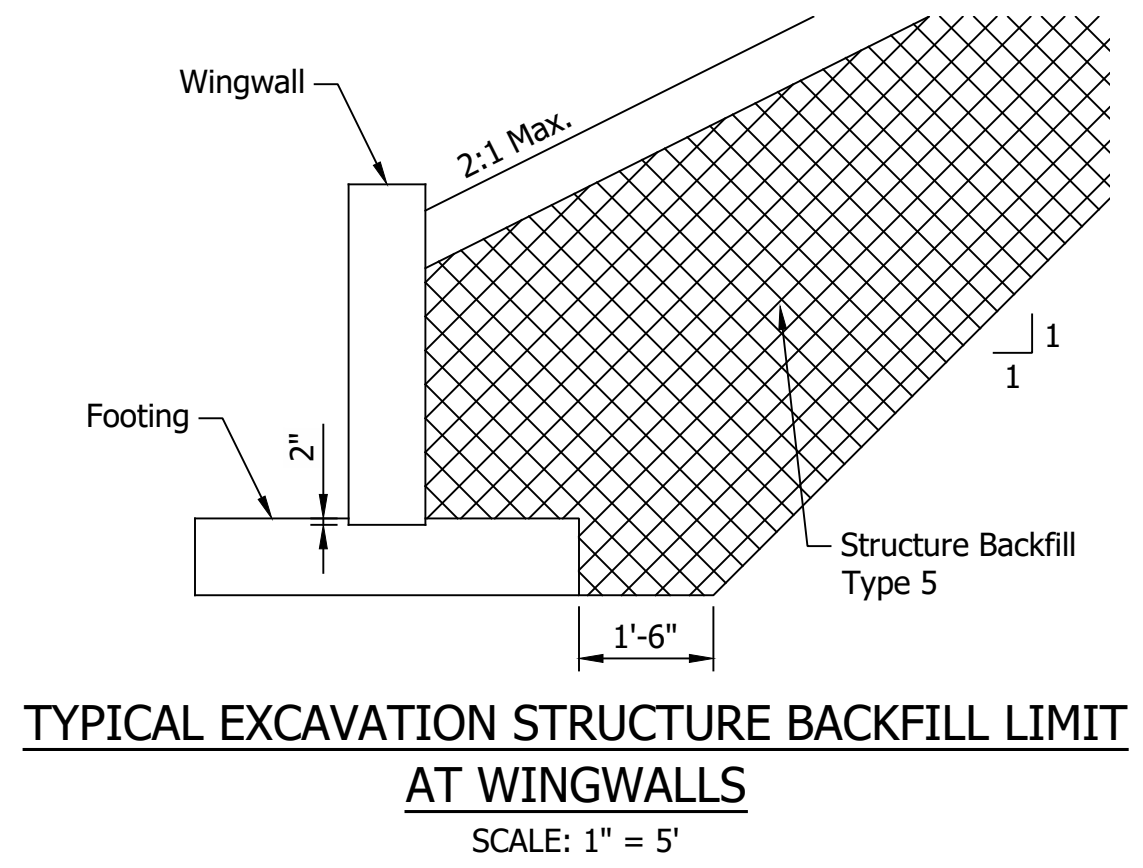
**PLAN**  
SCALE: 1" = 10'



| WINGWALL TABLE      |       |                       |                       |
|---------------------|-------|-----------------------|-----------------------|
| Wing                | "L"   | Top of Wall Elevation | Area of Wingwall      |
| A                   | 12 FT | XXX.XX                | XXX.X FT <sup>2</sup> |
| B                   | 12 FT | XXX.XX                | XXX.X FT <sup>2</sup> |
| C                   | 5 FT  | XXX.XX                | XXX.X FT <sup>2</sup> |
| D                   | 5 FT  | XXX.XX                | XXX.X FT <sup>2</sup> |
| TOTAL WING AREA *** |       |                       | XXX.X FT <sup>2</sup> |

\*\*\* ASSUMES DOWNSTREAM BOTTOM WING AT ELEV. XXX.XX  
 (X" BELOW TOP OF FOOTING)  
 ASSUMES UPSTREAM BOTTOM WING AT ELEV. XXX.XX  
 (X" BELOW TOP OF FOOTING)  
 ESTIMATED QUANTITY OF HEADWALLS = XX FT<sup>2</sup>

**NOTE TO REVIEWER:**  
 WINGWALLS AND HEADWALLS  
 WILL BE DESIGNED PRIOR TO  
 THE STAGE 3 SUBMITTAL.



| SOIL PARAMETERS FOR WINGWALL DESIGN |   |
|-------------------------------------|---|
| X,XXX (B = X ft)                    | Factored Bearing Resistance (psf)   |
| X,XXX (B = X ft)                    |   |
| X,XXX (B = X ft)                    |   |
| X,XXX (B = X ft)                    |   |
| 0.XX                                | Resistance Factor ( $\phi$ )  |
| X,XXX (B = X ft)                    | Nominal Bearing Resistance (psf)  |
| X,XXX (B = X ft)                    |   |
| X,XXX (B = X ft)                    |   |
| X,XXX (B = X ft)                    |   |
| XX                                  | Friction Angle between Wingwall and Structure Backfill (Type II) ( $\delta$ ) |
| 0.X                                 | Friction Factor between Footing and Foundation Soil                           |
| XX                                  | Cohesion of Foundation Soil (psf)   |
| XX                                  | Adhesion of Foundation Soil (psf)   |
| XX                                  | Internal Friction Angle of Foundation Soil ( $\phi_b$ )                       |
| XXX                                 | Estimated Unit Weight of Structure Backfill, moist/saturated (pcf)            |

\*Varies depending on width of foundation (B). Interpolation between provided values is permitted

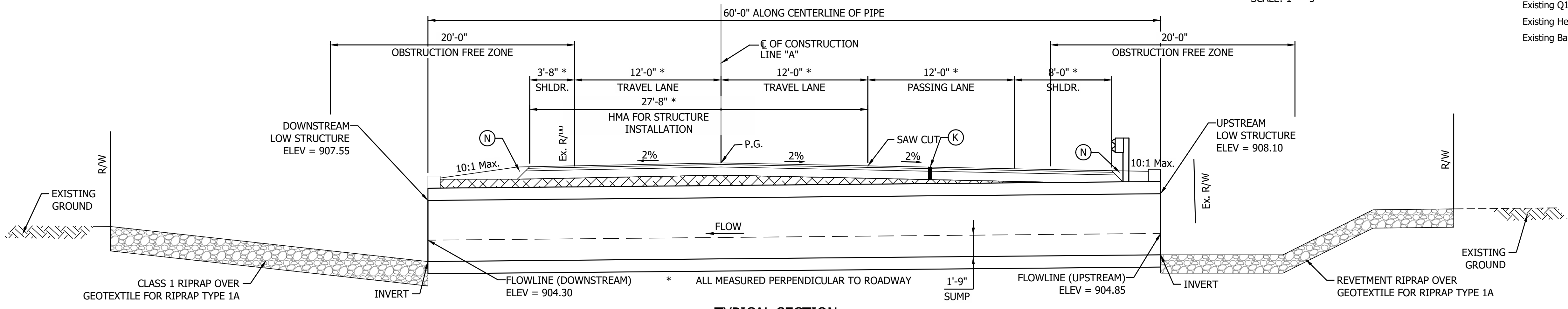
**DESIGN DATA**  
 Structure shall be designed for HL-93 loading, in accordance with the AASHTO LRFD Bridge Design Specifications, Ninth Edition, 2020 and subsequent interim.

Dead Load increased 35 PSF for Pure Wearing Surface

| HYDRAULIC DATA                      |              |
|-------------------------------------|--------------|
| Drainage Area                       | = 285.13 ac. |
| Q100 Discharge                      | = 269.13 cfs |
| Q50 Discharge                       | = 225.76 cfs |
| Headwater Elevation @ Q100          | = 909.79 ft  |
| Backwater @ Q100                    | = 3.00 ft    |
| Water Surface Elevation @ Q100      | = 906.24 ft  |
| Outlet Velocity @ Q50               | = 9.13 ft/s  |
| Natural Channel Velocity @ Q50      | = 1.71 ft/s  |
| Existing Q100 Discharge             | = 269.13 cfs |
| Existing Headwater Elevation @ Q100 | = 910.32 ft  |
| Existing Backwater @ Q100           | = 3.64 ft    |

**NOTES:**  
 Contractor Shall Verify Existing Flowline Elevation to set the Appropriate Sump Depth.  
 Reinforcement in the Box Culvert Shall be Epoxy Coated.  
 Contractor Shall Provide a XXft Undercut (XXX Cys) and Replace the Soil with XX in of Compacted Aggregate, No. 53 (XXX Tons) on top of XX in of Compacted Aggregate, No. 5 (XXX Cys) on top of Geotextiles, Type 2B (XXX Sys)

**REINFORCED CONCRETE BOX STRUCTURE**  
 Span: 10'-0"  
 Rise: 5'-0"  
 Skew: 0°28'43" (Rt)  
 SR 32 Over UNT To Little Sugar Creek, Boone County, Indiana.  
 CV 032-006-53.38



- LEGEND**
- (K) Full Depth Pavement (see typical section)
  - (R) Structural Overlay (See Typical Sections)
  - (R1) HMA Overlay (See Typical Sections)
  - (N) Compacted Aggregate
  - HMA for Structure Installation, Type B

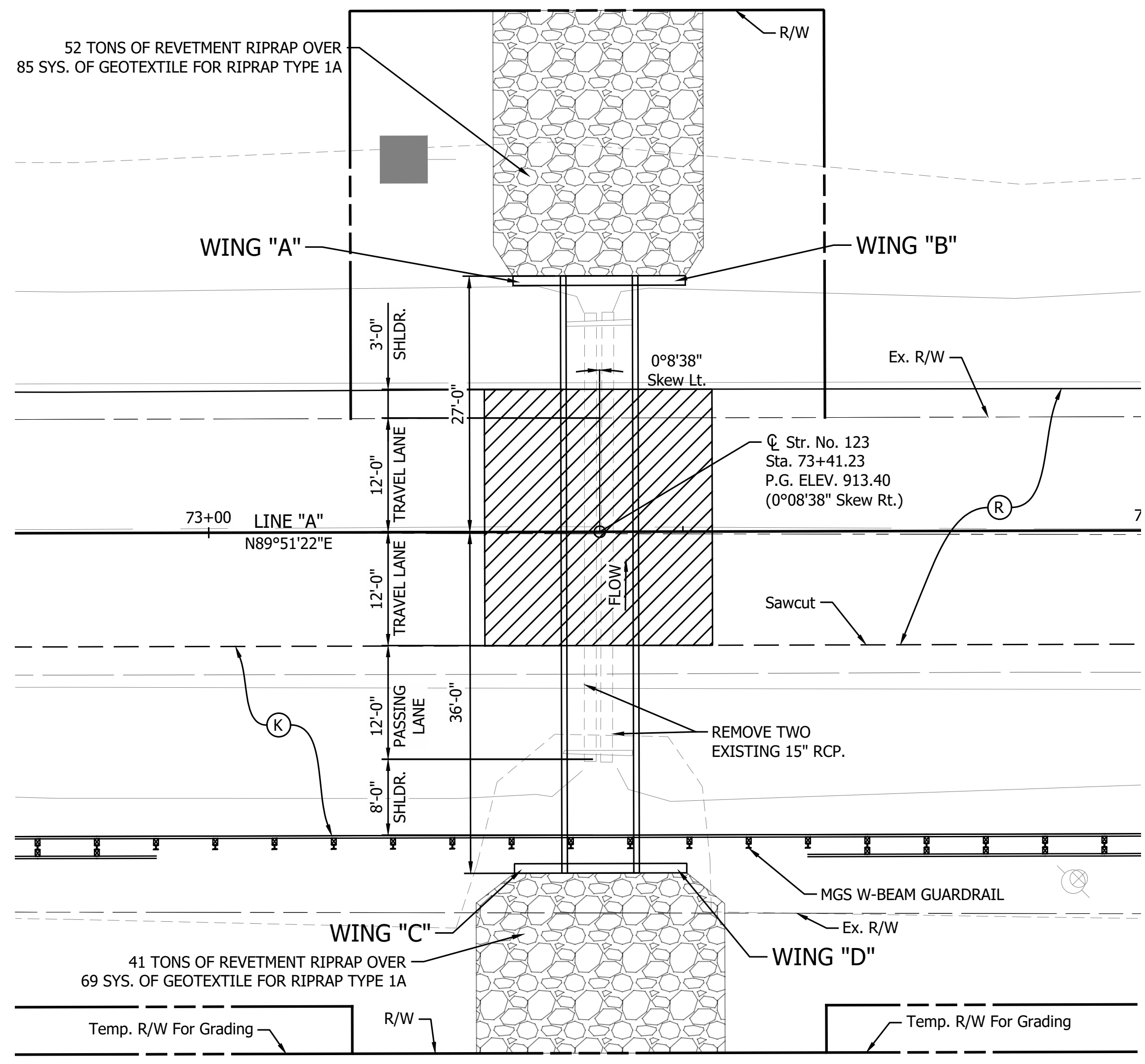
|                          |                 |      |
|--------------------------|-----------------|------|
| RECOMMENDED FOR APPROVAL | DESIGN ENGINEER | DATE |
| DESIGNED: YZ             | DRAWN: MR       |      |
| CHECKED: RDS             | CHECKED: YZ     |      |

INDIANA  
 DEPARTMENT OF TRANSPORTATION

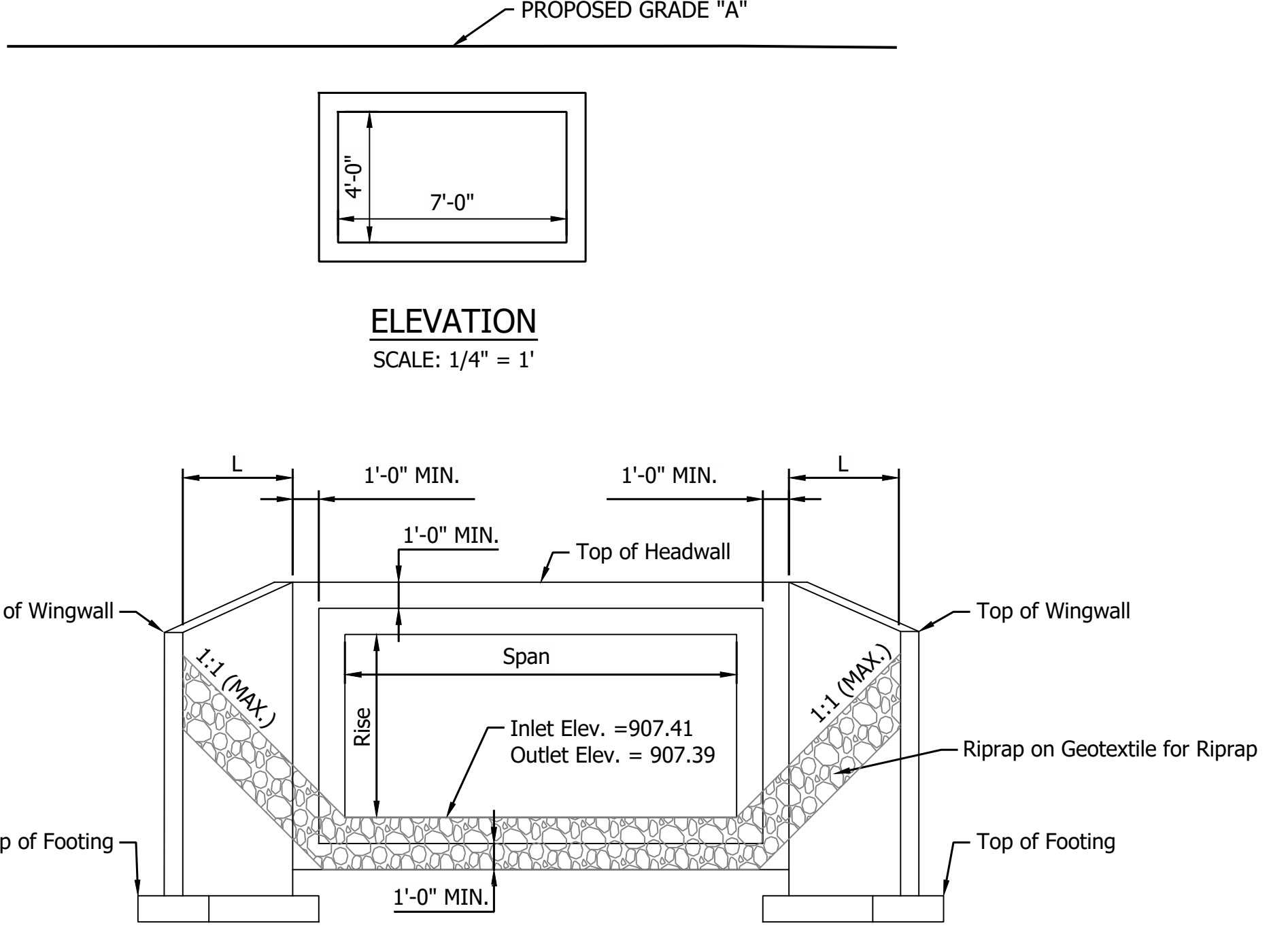
GENERAL PLAN  
 STRUCTURE 122 BOX CULVERT

| HORIZONTAL SCALE | BRIDGE FILE |
|------------------|-------------|
| AS NOTED         | N/A         |
| VERTICAL SCALE   | DESIGNATION |
| AS NOTED         | 2201193     |
| SURVEY BOOK      | SHEET       |
|                  | 51 of 173   |
| CONTRACT         | PROJECT     |
| R-42253          | 1800060     |

PRINT DATE: 4/7/23  
 PLOT SCALE: 1:1  
 EDIT DATE: 3/27/23 - 11:31 AM  
 EDITED BY: MMURRAY  
 DRAWING FILE: P:\120-500-165-1 SR 39 PASSING LANES\5 ACAD\103 GENERAL PLAN\RD-GP-CULVERTS\123.DWG



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

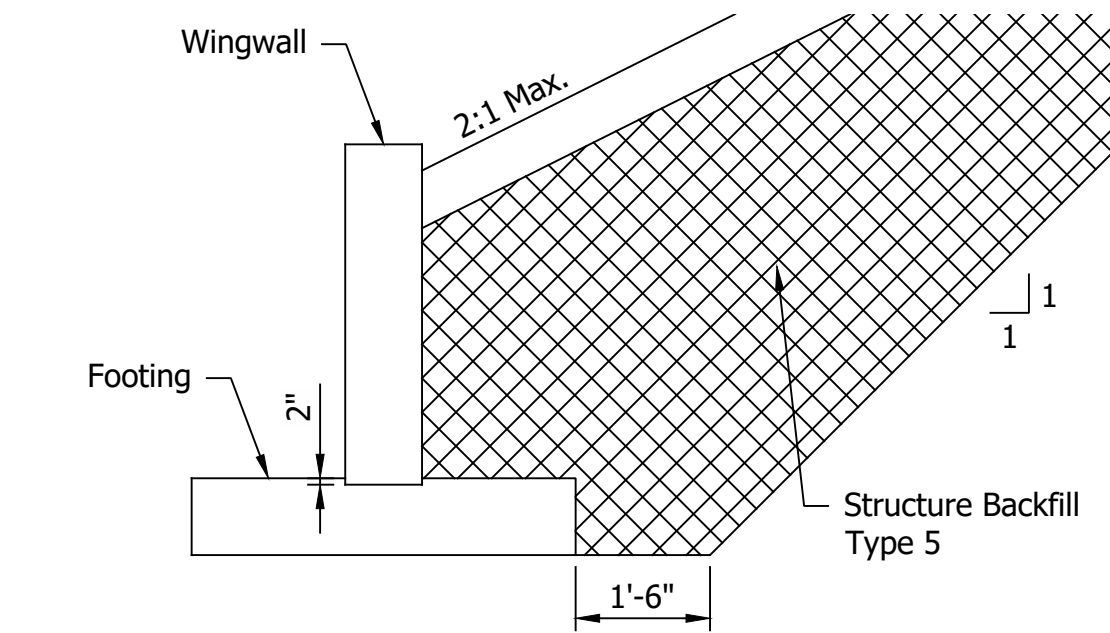


**TYPICAL WINGWALL ELEVATION DETAIL**  
NOT TO SCALE

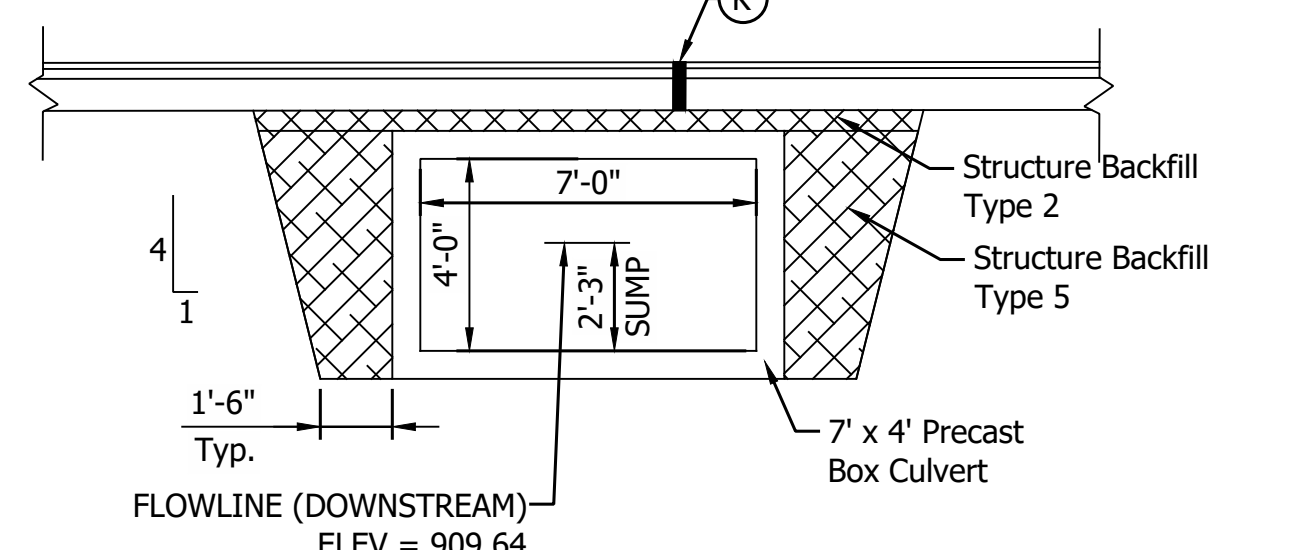
| WINGWALL TABLE      |      |                       |                       |
|---------------------|------|-----------------------|-----------------------|
| Wing                | "L"  | Top of Wall Elevation | Area of Wingwall      |
| A                   | 5 FT | XXX.XX                | XXX.X FT <sup>2</sup> |
| B                   | 5 FT | XXX.XX                | XXX.X FT <sup>2</sup> |
| C                   | 5 FT | XXX.XX                | XXX.X FT <sup>2</sup> |
| D                   | 5 FT | XXX.XX                | XXX.X FT <sup>2</sup> |
| TOTAL WING AREA *** |      |                       | XXX.X FT <sup>2</sup> |

\*\*\* ASSUMES DOWNSTREAM BOTTOM WING AT ELEV. XXX.XX (X" BELOW TOP OF FOOTING)  
 ASSUMES UPSTREAM BOTTOM WING AT ELEV. XXX.XX (X" BELOW TOP OF FOOTING)  
 ESTIMATED QUANTITY OF HEADWALLS = XX FT<sup>2</sup>

**NOTE TO REVIEWER:**  
 WINGWALLS AND HEADWALLS  
 WILL BE DESIGNED PRIOR TO  
 THE STAGE 3 SUBMITTAL.



**TYPICAL EXCAVATION STRUCTURE BACKFILL LIMIT AT WINGWALLS**  
SCALE: 1" = 5'



**STRUCTURE BACKFILL AT CULVERT**  
SCALE: 1/4" = 1'

| SOIL PARAMETERS FOR WINGWALL DESIGN |   |
|-------------------------------------|---|
| X,XXX (B = X ft)                    | Factored Bearing Resistance (psf)   |
| X,XXX (B = X ft)                    |   |
| X,XXX (B = X ft)                    |   |
| X,XXX (B = X ft)                    |   |
| 0.XX                                | Resistance Factor ( $\phi$ )  |
| X,XXX (B = X ft)                    | Nominal Bearing Resistance (psf)  |
| X,XXX (B = X ft)                    |   |
| X,XXX (B = X ft)                    |   |
| X,XXX (B = X ft)                    |   |
| XX                                  | Friction Angle between Wingwall and Structure Backfill (Type II) ( $\delta$ ) |
| 0.X                                 | Friction Factor between Footing and Foundation Soil                           |
| XX                                  | Cohesion of Foundation Soil (psf)   |
| XX                                  | Adhesion of Foundation Soil (psf)   |
| XX                                  | Internal Friction Angle of Foundation Soil ( $\phi_b$ )                       |
| XXX                                 | Estimated Unit Weight of Structure Backfill, moist/saturated (pcf)            |

\*Varies depending on width of foundation (B). Interpolation between provided values is permitted

**DESIGN DATA**

Structure shall be designed for HL-93 loading, in accordance with the AASHTO LRFD Bridge Design Specifications, Ninth Edition, 2020 and subsequent interim.

Dead Load increased 35 PSF for Fure Wearing Surface

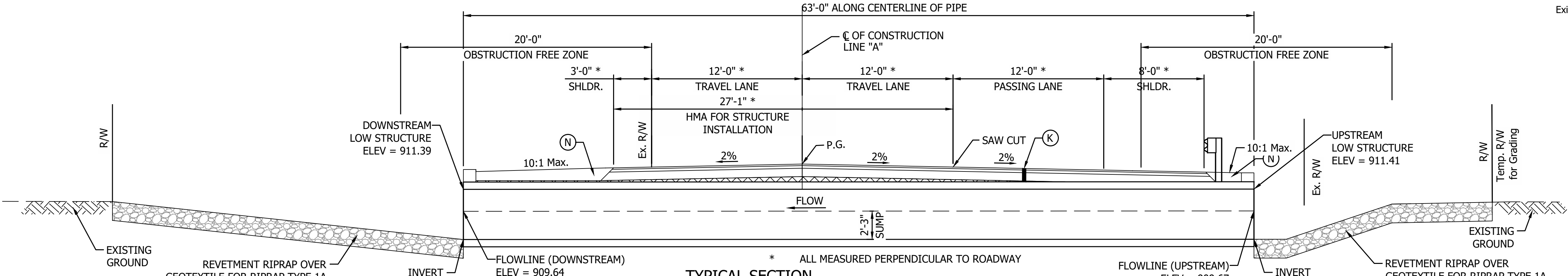
**HYDRAULIC DATA**

|                                     |   |           |
|-------------------------------------|---|-----------|
| Drainage Area                       | = | 26.28 ac. |
| Q100 Discharge                      | = | 61.51 cfs |
| Q50 Discharge                       | = | 50.28 cfs |
| Headwater Elevation @ Q100          | = | 912.48 ft |
| Backwater @ Q100                    | = | 2.24 ft   |
| Water Surface Elevation @ Q100      | = | 910.22 ft |
| Outlet Velocity @ Q50               | = | 6.19 ft/s |
| Natural Channel Velocity @ Q50      | = | 0.79 ft/s |
| Existing Q100 Discharge             | = | 61.51 cfs |
| Existing Headwater Elevation @ Q100 | = | 913.34 ft |
| Existing Backwater @ Q100           | = | 3.13 ft   |

- NOTES:**
- Contractor Shall Verify Existing Flowline Elevation to set the Appropriate Sump Depth.
  - Reinforcement in the Box Culvert Shall be Epoxy Coated.
  - Contractor Shall Provide a XXft Undercut (XXX Cys) and Replace the Soil with XX in of Compacted Aggregate, No. 5 (XXX Cys) on top of Geotextiles, Type 2B (XXX Sys)

**REINFORCED CONCRETE BOX STRUCTURE**

Span: 7'-0"  
 Rise: 4'-0"  
 Skew: 0°8'38" (Lt)  
 SR 32 Over UNT To Sugar Creek, Boone County, Indiana.  
 CV 032-006-53.63



**TYPICAL SECTION**  
SCALE: 1" = 5'

- LEGEND**
- (K) Full Depth Pavement (see typical section)
  - (R) Structural Overlay (See Typical Sections)
  - (R1) HMA Overlay (See Typical Sections)
  - (N) Compacted Aggregate
  - HMA for Structure Installation, Type B

|                          |                 |      |
|--------------------------|-----------------|------|
| RECOMMENDED FOR APPROVAL | DESIGN ENGINEER | DATE |
| DESIGNED: YZ             | DRAWN: MR       |      |
| CHECKED: RDS             | CHECKED: YZ     |      |

**INDIANA DEPARTMENT OF TRANSPORTATION**  
**GENERAL PLAN**  
**STRUCTURE 123 BOX CULVERT**

|                  |             |
|------------------|-------------|
| HORIZONTAL SCALE | BRIDGE FILE |
| AS NOTED         | N/A         |
| VERTICAL SCALE   | DESIGNATION |
| AS NOTED         | 2201194     |
| SURVEY BOOK      | SHEET       |
|                  | 52 of 173   |
| CONTRACT         | PROJECT     |
| R-42253          | 1800060     |





**PAVEMENT QUANTITIES AND APPROACH TABLE**

| LOCATION                    | DESCRIPTION<br>(APPROACH TYPE OR CLASS) | WIDTH<br>FT | LENGTH<br>FT | DISTANCE BEYOND R/W LINE<br>FT | RADII         |            | GRADE<br>(LESS THAN 10% NOT SHOWN) |            | EXCAVATION |             | SUBGRADE TREATMENT<br>TYPE II<br>SYS | SUBGRADE TREATMENT<br>TYPE IBC<br>SYS | SUBGRADE TREATMENT<br>TYPE ID<br>SYS | DENSE GRADED SUBBASE<br>CYS | GEOTEXTILE FOR PAVEMENT,<br>TYPE IB<br>SYS | QC/QA - HMA MATERIAL FOR ROADS |                         |   |               | HMA FOR       |               |               | HMA FOR APPROACHES    |                      |  |  | ASPHALT |  | MILLING, ASPHALT,<br>1 1/2 IN.<br>SYS | MILLING, ASPHALT,<br>4.5 IN.<br>SYS | APPROACH MILLING<br>SYS | COMPACTED AGGREGATE NO. 53<br>CYS | COMPACTED AGGREGATE NO. 53<br>TON | COMPACTED AGGREGATE NO.5<br>CYS | GEOTEXTILE FOR PAVEMENT<br>TYPE IB<br>SYS | MILLING, ASPHALT,<br>2 IN.<br>SYS | MILLING, ASPHALT,<br>1 1/2 IN.<br>SYS | REMARKS |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------|---|-------------|--------------|--------------------------------|---------------|------------|------------------------------------|------------|------------|-------------|--------------------------------------|---------------------------------------|--------------------------------------|-----------------------------|--|--------------------------------|-------------------------|---|---------------|---------------|---------------|---------------|-----------------------|----------------------|--|--|---------|--|---------------------------------------|-------------------------------------|-------------------------|-----------------------------------|-----------------------------------|---------------------------------|---|-----------------------------------|---------------------------------------|---------|--------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                             |   |             |              |                                | R1<br>FT      | R2<br>FT   | 1<br>%                             | 2<br>%     | CUT<br>CYS | FILL<br>CYS |                                      |                                       |                                      |                             |  | WIDENING, TYPE B<br>TON        | PATCHING, TYPE B<br>TON | STRUCTURE<br>INSTALLATION, TYPE<br>C<br>TON | TYPE B<br>TON | TYPE B<br>TON | TYPE B<br>TON | TYPE B<br>TON | FOR PRIME COAT<br>TON | FOR TACK COAT<br>TON |  |  |         |  |                                       |                                     |                         |                                   |                                   |                                 |   |                                   |                                       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                             |   |             |              |                                | LBS. PER SYD. |            |                                    |            |            |             |                                      |                                       |                                      |                             |  |                                |                         |   |               |               |               |               |                       |                      |  |  |         |  |                                       |                                     |                         |                                   |                                   |                                 |   |                                   |                                       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                             |   |             |              |                                | 165<br>TON    | 275<br>TON | 880<br>TON                         | 330<br>TON | 715<br>TON | 1320<br>TON |                                      |                                       |                                      |                             |  | 1440<br>TON                    | 1440<br>TON             | 165<br>TON                                  | 275<br>TON    | 440<br>TON    |               |               |                       |                      |  |  |         |  |                                       |                                     |                         |                                   |                                   |                                 |   |                                   |                                       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>LINE "A" (Mainline)</b>  |   |             |              |                                |               |            |                                    |            |            |             |                                      |                                       |                                      |                             |  |                                |                         |   |               |               |               |               |                       |                      |  |  |         |  |                                       |                                     |                         |                                   |                                   |                                 |   |                                   |                                       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| STA. 632+00.00 TO 689+22.70 | Mainline                                |             |              |                                |               |            |                                    | 4925.5     | 628.6      |             |                                      | 9912.0                                |                                      |                             | 9912.0                                     | 2285.0                         | 1230.0                  | 3894.0                                      |               |               |               |               |                       |                      |  |  |         |  |                                       |                                     |                         |                                   |                                   |                                 | 15.0                                      | 18856.0                           |                                       |         | 1451.0 | 4236.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| STA. 746+50.00 TO 802+50.00 | Mainline                                |             |              |                                |               |            |                                    | 3298.4     | 1145.1     |             |                                      | 9119.0                                |                                      |                             | 9119.0                                     | 2045.0                         | 1118.0                  | 3565.0                                      |               |               |               |               |                       |                      |  |  |         |  |                                       |                                     |                         |                                   |                                   |                                 |   |                                   |                                       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| STA. 6+05.00 TO 358+28.83   | Mainline                                |             |              |                                |               |            |                                    | 8529.1     | 5476.1     |             |                                      | 20966                                 |                                      |                             | 20966                                      | 11958.0                        | 19911.0                 | 8207.0                                      |               |               |               |               |                       |                      |  |  |         |  |                                       |                                     |                         |                                   |                                   |                                 |   |                                   |                                       |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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|  |                          |                       |            |  |                  |             |
|--|--------------------------|-----------------------|------------|--|------------------|-------------|
|  | RECOMMENDED FOR APPROVAL | DESIGN ENGINEER _____ | DATE _____ | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b><br><br><b>SHT TABLE-APPROACH - 3</b> | HORIZONTAL SCALE | BRIDGE FILE |
|  |                          |                       |            |  | VERTICAL SCALE   | DESIGNATION |
|  |                          |                       |            |  |                  | 1800060     |
|  |                          |                       |            |  |                  |             |
|  | DESIGNED: _____          | DRAWN: _____          |            |  | SURVEY BOOK      | SHEET       |
|  | CHECKED: _____           | CHECKED: _____        |            |  | 55 of 173        |             |
|  |                          |                       |            |  | CONTRACT         | PROJECT     |
|  |                          |                       |            |  | R-42253          | 1800060     |

**STRUCTURE DATA**

| STRUCTURE NUMBER | LOCATION             |      |       |       | SIZE<br>PIPE TYPE | DESCRIPTION<br>MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE AND TYPE<br>(*WATER QUALITY REQ'D) | LENGTH<br>LFT | VIDEO INSPECTION LENGTH<br>LFT | SKEW | COVER        |            | INVERT |     | TOP OF CASTING<br>ELEV. | SERVICE LIFE<br>YRS | SITE DESIGNATION | PH     | BACKFILL METHOD | STRUCTURE BACKFILL TYPE 5<br>CYS | STRUCTURE BACKFILL TYPE 2<br>CYS | UNDERCUT |    |       |       | GEOTEXTILE FOR RIPRAP TYPE 1A<br>CYS | REVETMENT RIPRAP<br>TON | CLASS 1 RIPRAP<br>TON | SCOUR PROTECTION |      |      |      | PRESENT STRUCTURE, REMOVE<br>LFT | END SECTION<br>EACH | GRATED BOX END SECTION |  |  | SAFETY METAL END SECTION |     |     | CONNECT TO STR. | CULVERT ASSET ID | REMARKS<br>(* FIELD VERIFY INVERT) |     |     |     |     |     |          |      |                  |                  |                  |                  |              |                  |              |                  |              |     |     |     |           |             |            |                                 |                                  |                               |        |      |       |      |
|------------------|----------------------|------|-------|-------|-------------------|---|---------------|--------------------------------|------|--------------|------------|--------|-----|-------------------------|---------------------|------------------|--------|-----------------|----------------------------------|----------------------------------|----------|----|-------|-------|--------------------------------------|-------------------------|-----------------------|------------------|------|------|------|----------------------------------|---------------------|------------------------|--|--|--------------------------|-----|-----|-----------------|------------------|------------------------------------|-----|-----|-----|-----|-----|----------|------|------------------|------------------|------------------|------------------|--------------|------------------|--------------|------------------|--------------|-----|-----|-----|-----------|-------------|------------|---------------------------------|----------------------------------|-------------------------------|--------|------|-------|------|
|                  | STATION              | LEFT | RIGHT | CROSS |                   |   |               |                                |      | OFFSET<br>FT | IN.        | LFT    | LFT |                         |                     |                  |        |                 |                                  |                                  | FT       | FT | ELEV. | ELEV. |                                      |                         |                       | ELEV.            | YRS  |      |      |                                  |                     |                        |  |  | CYS                      | CYS | CYS |                 |                  |                                    | CYS | SYS | CYS | TON | TON | IN.      | SYS. | TYPE             | TONS             | LFT              | EACH             | TYPE         | SLOPE            | EA.          | TYPE             | SLOPE        | EA. |     |     |           |             |            |                                 |                                  |                               |        |      |       |      |
|                  |                      |      |       |       |                   |   |               |                                |      |              |            |        |     |                         |                     |                  |        |                 |                                  |                                  |          |    |       |       |                                      |                         |                       |                  |      |      |      |                                  |                     |                        |  |  |                          |     |     |                 |                  |                                    |     |     |     |     |     |          |      |                  |                  |                  |                  |              |                  |              |                  |              |     | MIN | MAX | UP STREAM | DOWN STREAM | EXCAVATION | COMPACTED AGGREGATE #5<br>? IN. | COMPACTED AGGREGATE #53<br>? IN. | GEOTEXTILE FOR RIPRAP TYPE 1A | RIPRAP | TYPE | SLOPE | EA.  |
|                  |                      |      |       |       |                   |   |               |                                |      |              |            |        |     |                         |                     |                  |        |                 |                                  |                                  |          |    |       |       |                                      |                         |                       |                  |      |      |      |                                  |                     |                        |  |  |                          |     |     |                 |                  |                                    |     |     |     |     |     |          |      |                  |                  |                  |                  |              |                  |              |                  |              |     | FT  | FT  | ELEV.     | ELEV.       | CYS        | CYS                             | CYS                              | CYS                           | TON    | TON  | TONS  | TONS |
| 101              | LINE "A"<br>638+67.3 |      |       |       | X                 | 36  | 1             | Pipe Culvert                   | 57   |              | 0° 00' 00" | 0.1    | 0.6 | 871.80                  | 871.80              | 75               | Non-AB | 7               | 1                                | 28.6                             |          |    |       | 25.0  | 12.0                                 |                         | 18.0                  |                  |      |      |      |                                  |                     |                        |  |  |                          |     |     |                 |                  |                                    |     |     |     |     |     | CLV-9033 |      |                  |                  |                  |                  |              |                  |              |                  |              |     |     |     |           |             |            |                                 |                                  |                               |        |      |       |      |
| 102              | 646+94.7             |      |       |       | X                 | 36 x 24   | 1             | Concrete Box*                  | 60   |              | 4° 00' 00" | 0.0    | 0.4 | 870.50                  | 869.84              | 75               | AB     | 7               | 1                                | 22.8                             | 1.5      |    |       |       | 35.0                                 |                         | 22.0                  | 3.0              | 30.0 | Rev. | 16.0 |                                  |                     |                        |  |  |                          |     |     |                 |                  |                                    |     |     |     |     |     |          |      | CV 032-006-49.04 | DES. 2201187     |                  |                  |              |                  |              |                  |              |     |     |     |           |             |            |                                 |                                  |                               |        |      |       |      |
| 103              | 678+68.5             |      |       |       | X                 | 48 x 36   | 1             | Concrete Box*                  | 56   |              | 0° 51' 30" | 0.0    | 0.4 | 870.04                  | 869.82              | 75               | AB     | 7               | 1                                | 22.5                             | 2.1      |    |       |       | 42.0                                 |                         | 28.0                  | 6.0              | 32.0 | Rev. | 17.0 |                                  |                     |                        |  |  |                          |     |     |                 |                  |                                    |     |     |     |     |     |          |      |                  | CV 032-006-49.65 | DES. 2201188     |                  |              |                  |              |                  |              |     |     |     |           |             |            |                                 |                                  |                               |        |      |       |      |
| 104              | 681+00.0             |      |       |       | X                 | 36  | 1             | Pipe Culvert                   | 65   |              | 0° 00' 00" | 0.1    | 0.9 | 870.00                  | 869.25              | 75               | Non-AB | 7               | 1                                |                                  | 35.0     |    |       |       | 25.0                                 | 12.0                    |                       |                  |      |      |      |                                  |                     |                        |  |  |                          |     |     |                 |                  |                                    |     |     |     |     |     |          |      | CLV-9011         |                  |                  |                  |              |                  |              |                  |              |     |     |     |           |             |            |                                 |                                  |                               |        |      |       |      |
| 110              | 754+03.1             |      |       |       | X                 | 48 x 24   | 1             | Concrete Box*                  | 52   |              | 0° 26' 38" | 0.0    | 0.0 | 891.28                  | 891.07              | 75               | AB     | 7               | 1                                | 22.1                             | 0.2      |    |       |       | 53.0                                 | 30.0                    |                       | 6.0              | 45.0 | Rev. | 25.0 |                                  |                     |                        |  |  |                          |     |     |                 |                  |                                    |     |     |     |     |     |          |      |                  | CV 032-006-51.06 | DES. 2201189     |                  |              |                  |              |                  |              |     |     |     |           |             |            |                                 |                                  |                               |        |      |       |      |
| 111              | 791+60.6             |      |       |       | X                 | 60 x 36   | 1             | Concrete Box*                  | 56   |              | 0° 20' 51" | 0.0    | 0.1 | 889.50                  | 889.20              | 75               | AB     | 7               | 1                                | 38.5                             | 0.5      |    |       |       | 50.0                                 |                         | 34.0                  | 3.0              | 62.0 | Rev. | 36.0 |                                  |                     |                        |  |  |                          |     |     |                 |                  |                                    |     |     |     |     |     |          |      |                  |                  | CV 032-006-51.79 | DES. 2201190     |              |                  |              |                  |              |     |     |     |           |             |            |                                 |                                  |                               |        |      |       |      |
| 112              | 796+40.2             |      |       |       | X                 | 60 x 36   | 1             | Concrete Box*                  | 53   |              | 0° 19' 33" | 0.0    | 0.0 | 890.78                  | 890.68              | 75               | AB     | 7               | 1                                | 34.4                             |          |    |       |       | 58.0                                 | 33.0                    |                       | 6.0              | 59.0 | Rev. | 42.0 |                                  |                     |                        |  |  |                          |     |     |                 |                  |                                    |     |     |     |     |     |          |      |                  |                  | CV 032-006-51.88 | DES. 2201191     |              |                  |              |                  |              |     |     |     |           |             |            |                                 |                                  |                               |        |      |       |      |
| 120              | 28+19.3              |      |       |       | X                 | 36  | 1             | Pipe Culvert                   | 49   |              | 0° 00' 00" | 0.4    | 0.7 | 903.57                  | 903.52              | 75               | Non-AB | 7               | 1                                |                                  | 27.9     |    |       |       | 25.0                                 | 12.0                    |                       | 19.0             |      |      |      |                                  |                     |                        |  |  |                          |     |     |                 |                  |                                    |     |     |     |     |     |          |      |                  |                  |                  | CLV-8739         |              |                  |              |                  |              |     |     |     |           |             |            |                                 |                                  |                               |        |      |       |      |
| 121              | 41+44.6              |      |       |       | X                 | 96 x 48   | 1             | Concrete Box*                  | 60   |              | 0° 43' 52" | 0.0    | 0.0 | 908.48                  | 908.48              | 75               | AB     | 7               | 1                                | 54.7                             |          |    |       |       | 30.0                                 | 14.0                    |                       | 30.0             | 66.0 | Rev. | 38.0 |                                  |                     |                        |  |  |                          |     |     |                 |                  |                                    |     |     |     |     |     |          |      |                  |                  |                  | CV 032-006-53.02 | DES. 2201192 |                  |              |                  |              |     |     |     |           |             |            |                                 |                                  |                               |        |      |       |      |
| 122              | 60+97.7              |      |       |       | X                 | 120 x 60  | 1             | Concrete Box*                  | 60   |              | 0° 28' 43" | 0.0    | 0.0 | 903.10                  | 902.55              | 75               | AB     | 7               | 1                                | 69.0                             |          |    |       |       | 94.0                                 |                         | 72.0                  | 21.0             | 85.0 | Rev. | 51.0 | 45.0                             |                     |                        |  |  |                          |     |     |                 |                  |                                    |     |     |     |     |     |          |      |                  |                  |                  |                  |              | CV 032-006-53.38 | DES. 2201193 |                  |              |     |     |     |           |             |            |                                 |                                  |                               |        |      |       |      |
| 123              | 73+41.2              |      |       |       | X                 | 84 x 48   | 1             | Concrete Box*                  | 63   |              | 4° 00' 00" | 0.0    | 0.0 | 907.41                  | 907.39              | 75               | AB     | 7               | 1                                | 48.5                             |          |    |       |       | 69.0                                 | 41.0                    |                       | 27.0             | 85.0 | Rev. | 52.0 |                                  |                     |                        |  |  |                          |     |     |                 |                  |                                    |     |     |     |     |     |          |      |                  |                  |                  |                  |              |                  |              | CV 032-006-53.63 | DES. 2201194 |     |     |     |           |             |            |                                 |                                  |                               |        |      |       |      |

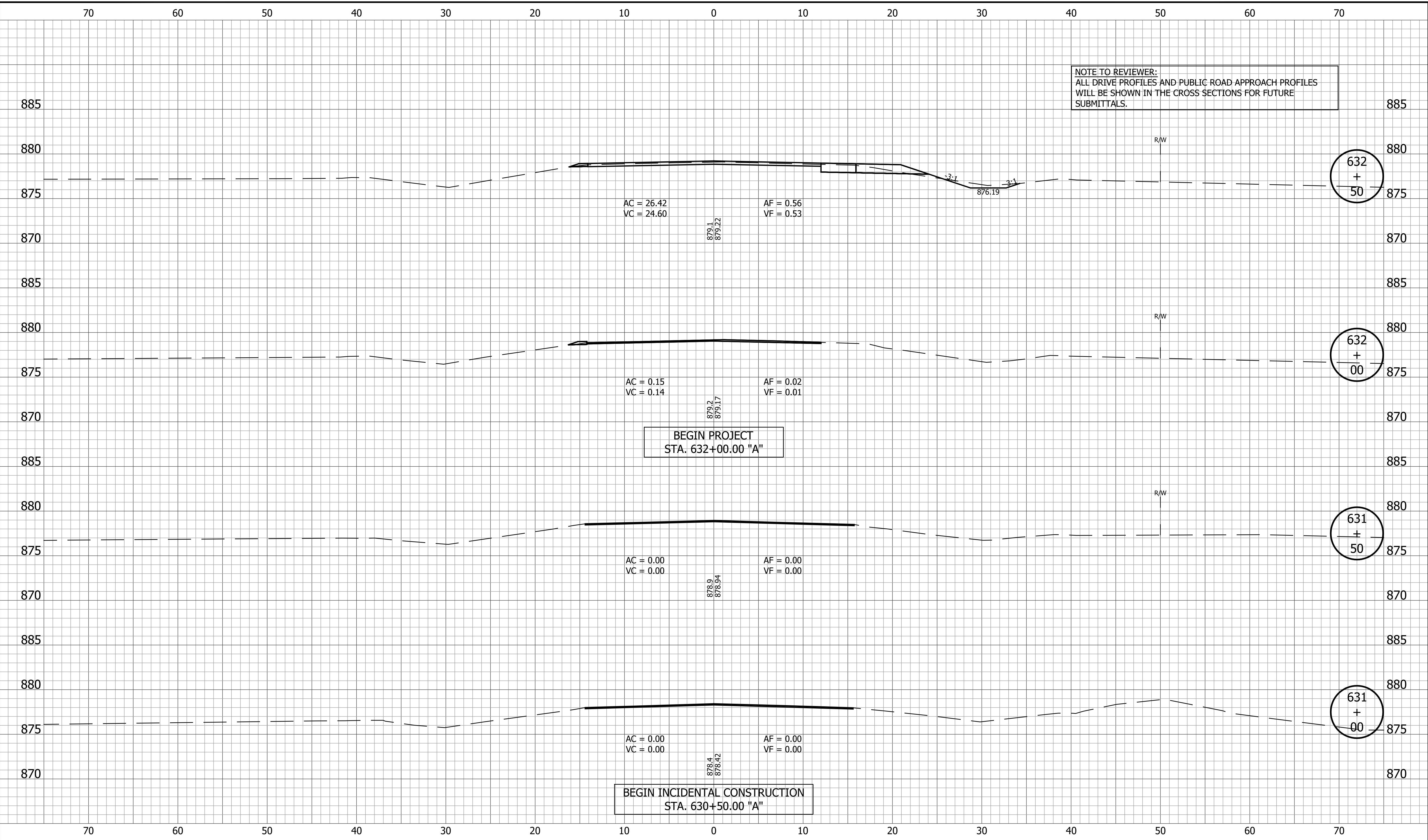
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|  |   |   |  |                  | 1800060     |
|  |   |   |  |                  |             |
|  |   |   |  | SURVEY BOOK      | SHEET       |
|  |   |   |  | 56               | of 173      |
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|  |   |   |  | R-42253          | 1800060     |



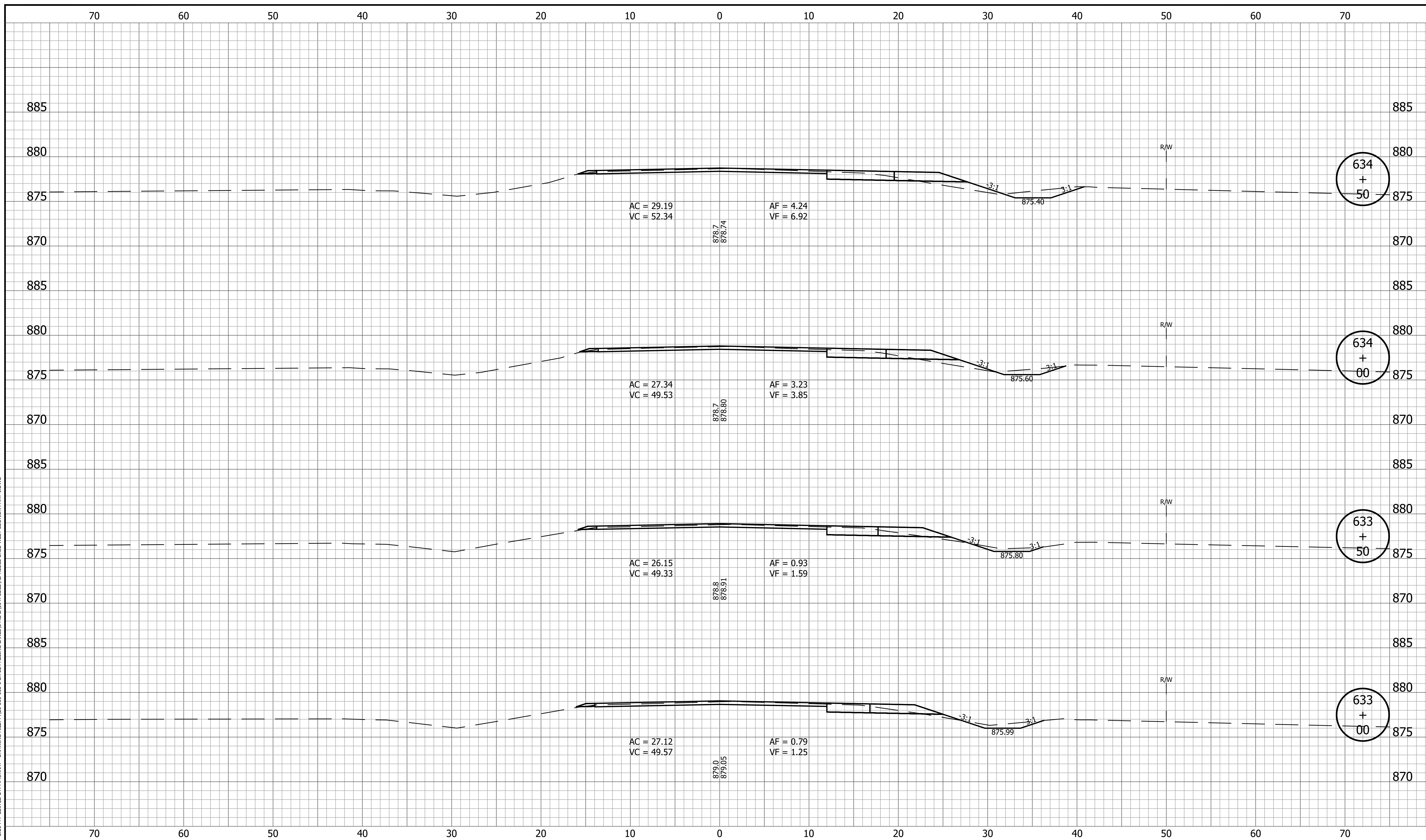


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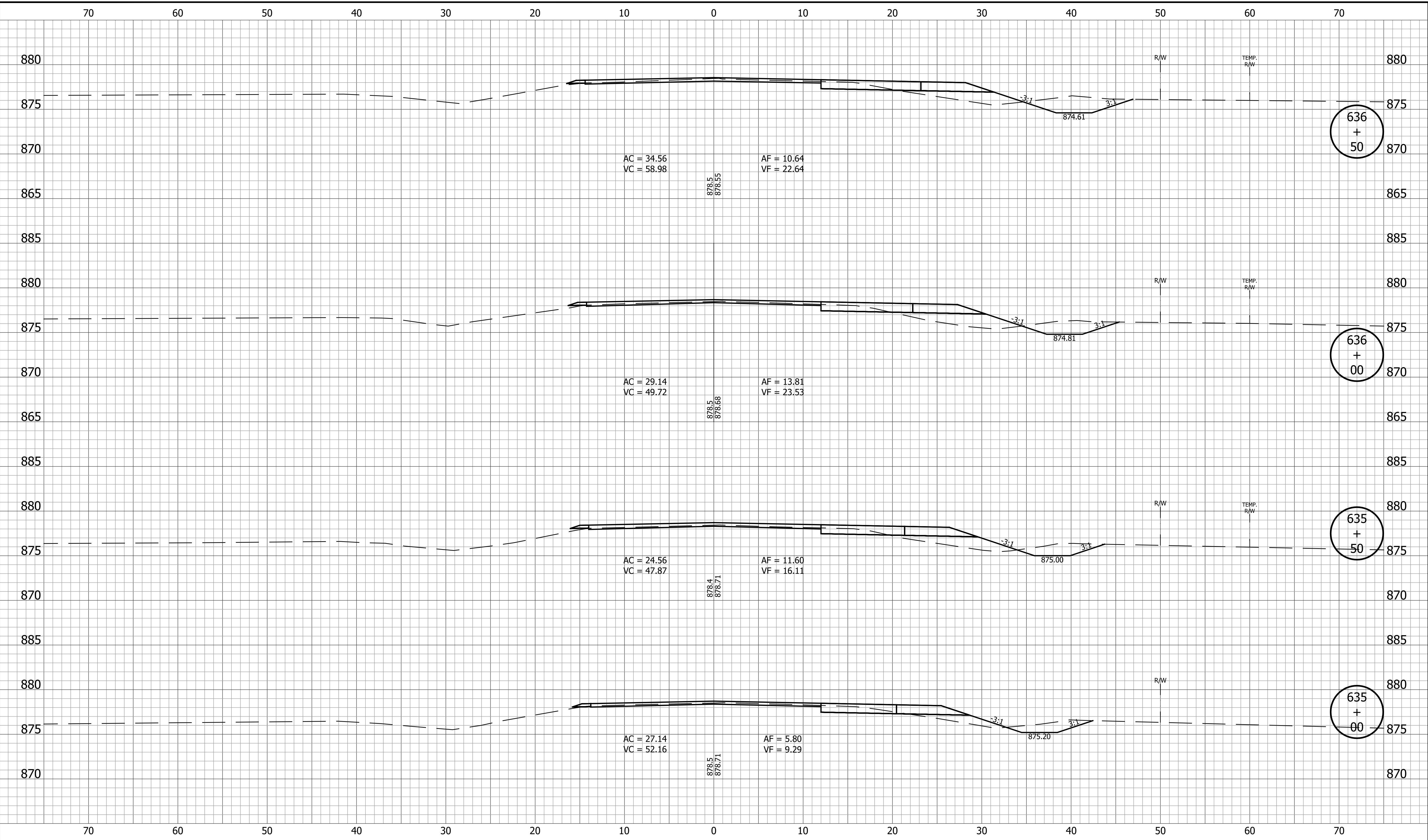
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|  | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER DATE                            | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b> | HORIZONTAL SCALE<br>1" = 5'<br>VERTICAL SCALE<br>1" = 5'<br>BRIDGE FILE  |
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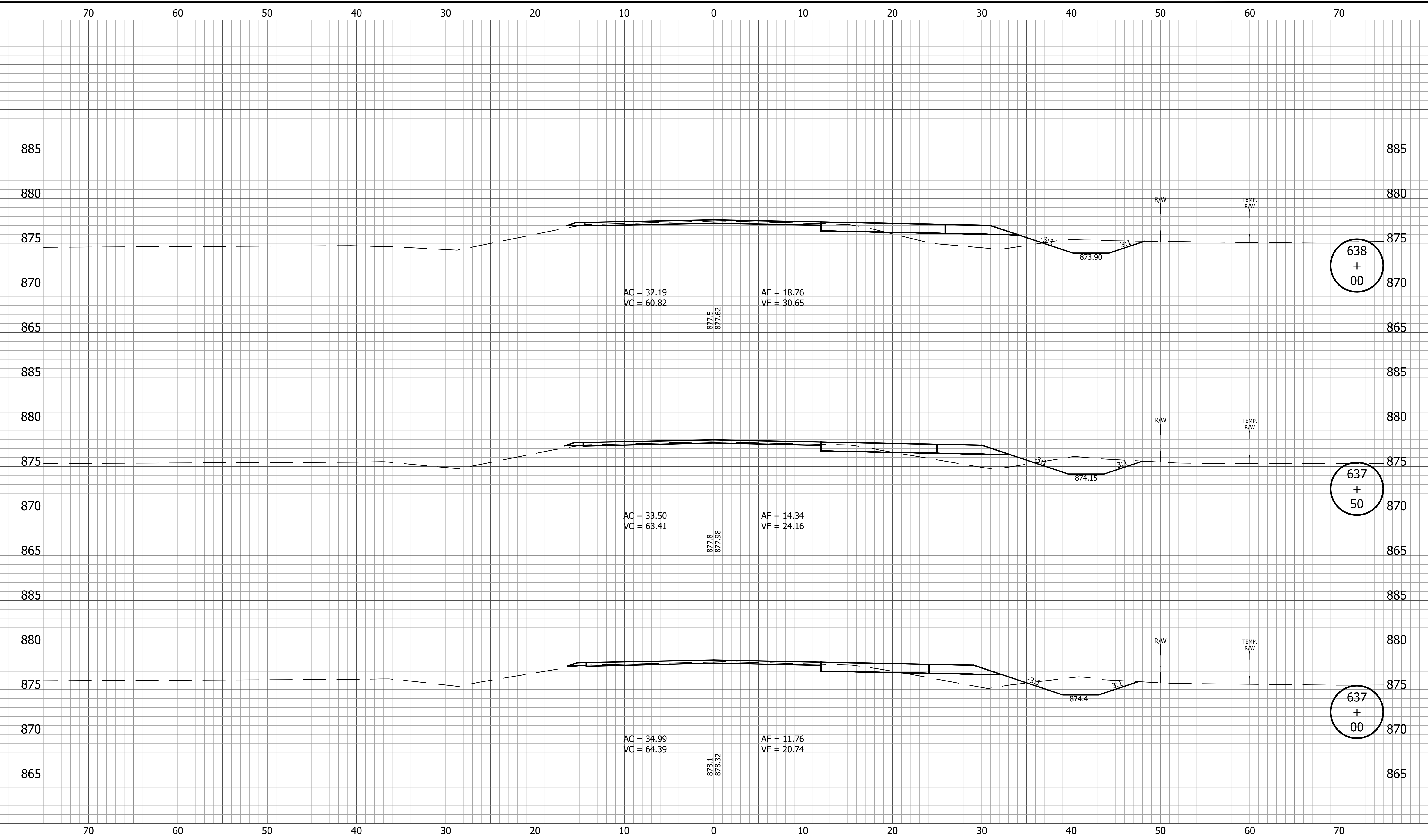
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|                             |                        | DESIGNED: <u>KRU</u> DRAWN: <u>KRU</u><br>CHECKED: <u>RDS</u> CHECKED: <u>RDS</u> | <b>CROSS SECTIONS LINE A</b>   |                             |             |                           |                        |             |                    |                     |                    |
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| SURVEY BOOK                 | SHEET<br>59 of 173     |   |  |                             |             |                           |                        |             |                    |                     |                    |
| CONTRACT<br>R-42253         | PROJECT<br>1800060     |   |  |                             |             |                           |                        |             |                    |                     |                    |

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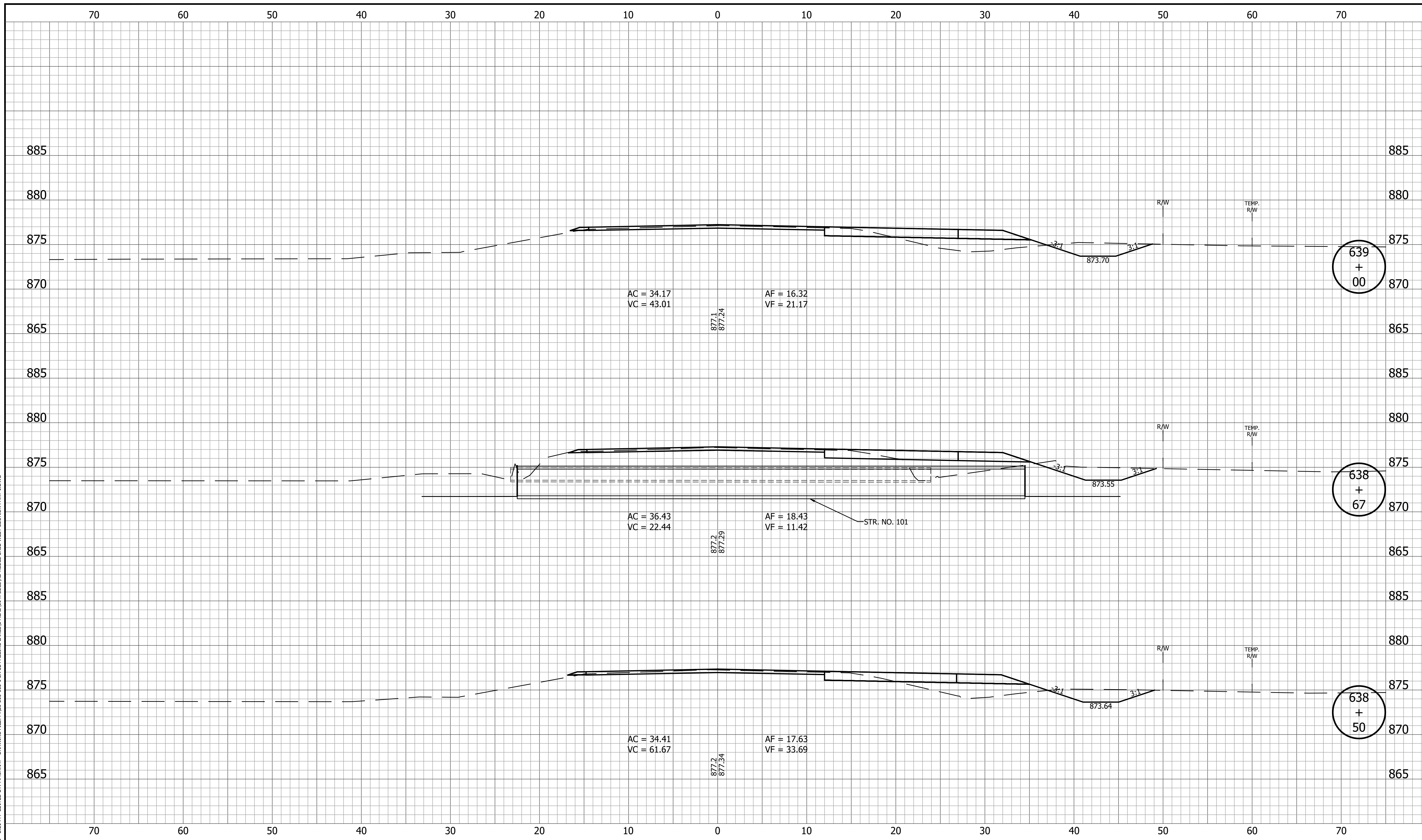
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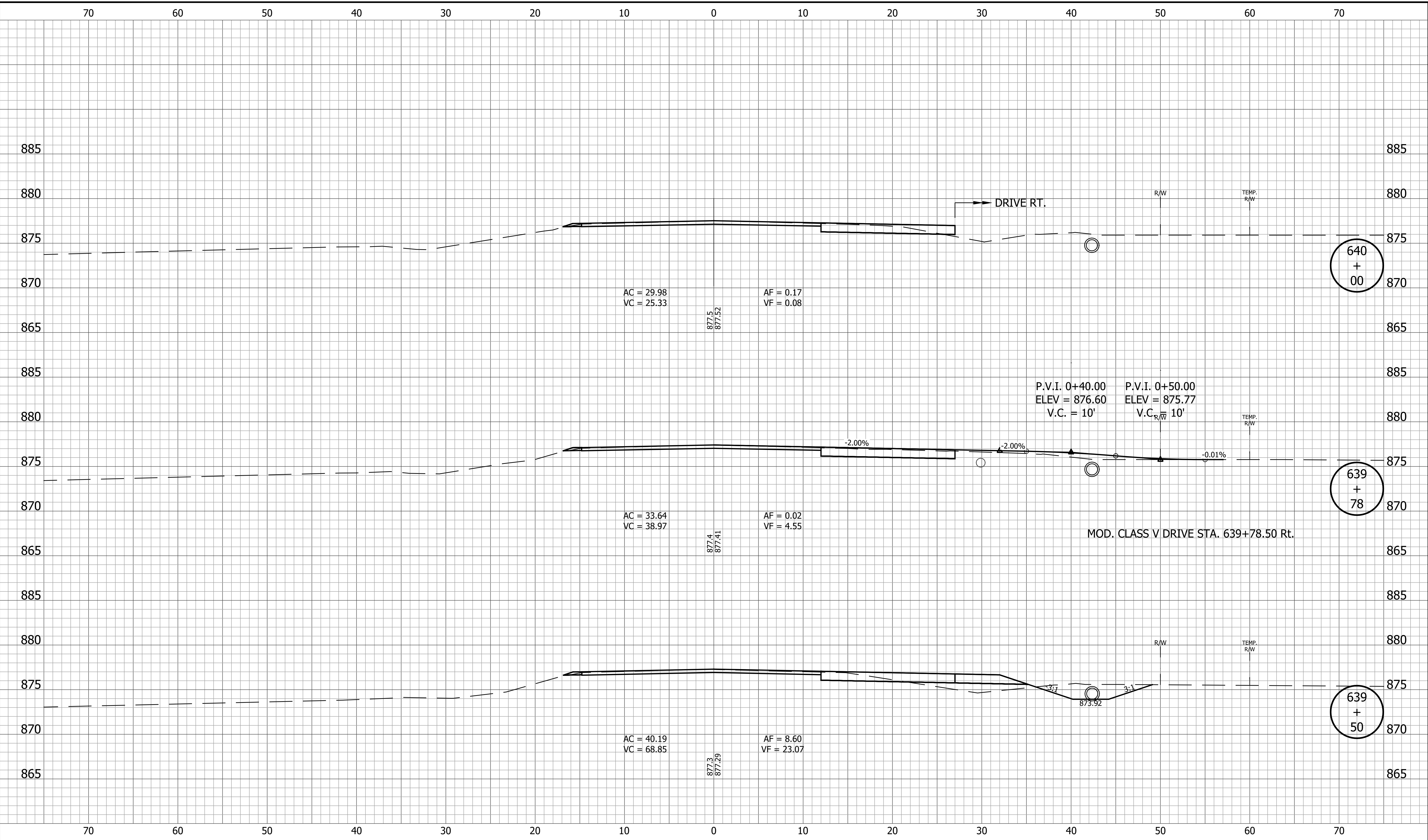
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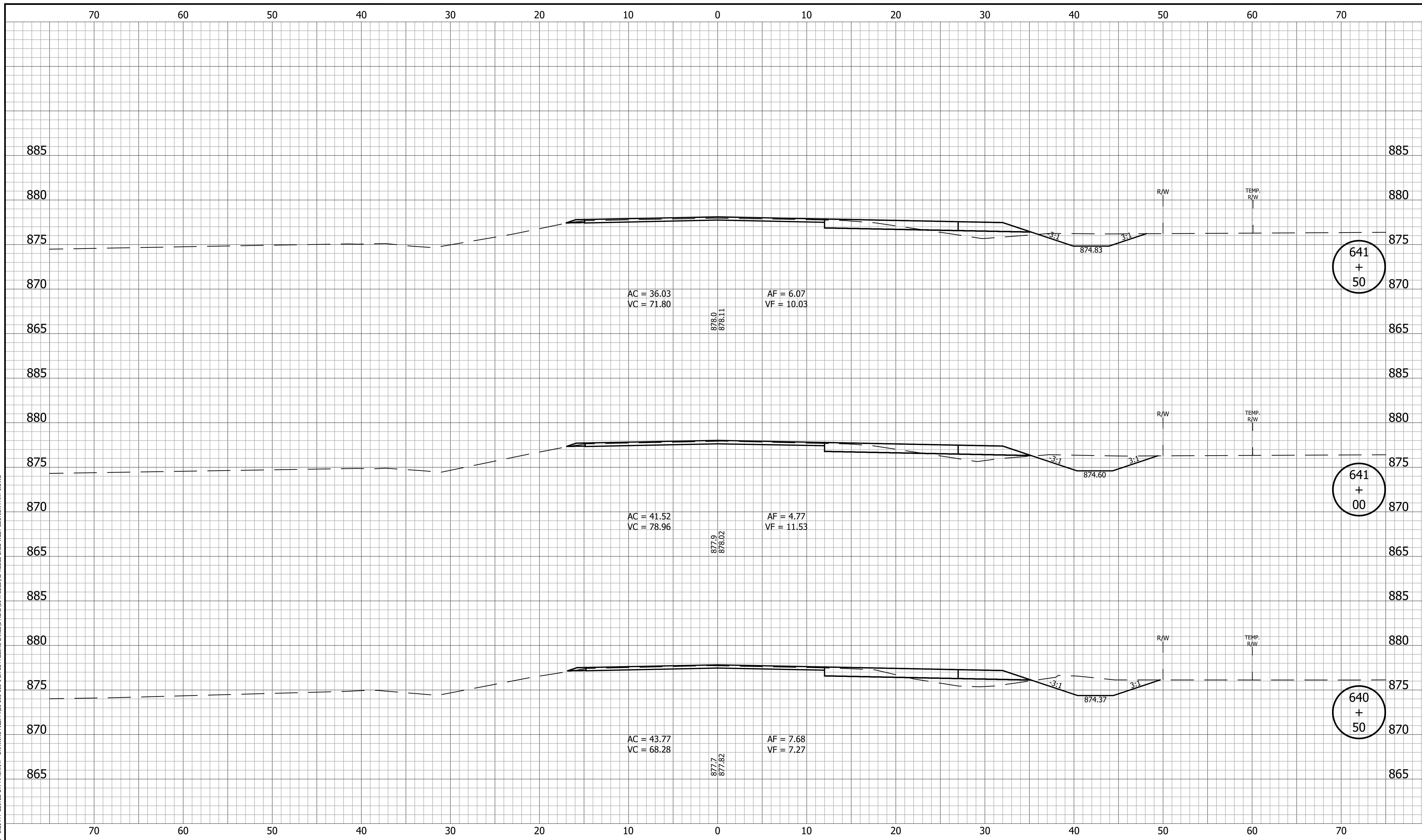
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| RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER _____ DATE _____ | <b>CROSS SECTIONS<br/>LINE A</b> |   | SURVEY BOOK _____ SHEET _____<br>62 of 173<br>CONTRACT PROJECT<br>R-42253 1800060                 |
| DESIGNED: <u>KRU</u>   | DRAWN: <u>KRU</u>                |   |   |
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|  |                              | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b> | HORIZONTAL SCALE<br>1" = 5'<br>VERTICAL SCALE<br>1" = 5'<br>BRIDGE FILE<br>DESIGNATION<br>1800060 |
| RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER _____ DATE _____ | <b>CROSS SECTIONS LINE A</b> |   | SURVEY BOOK _____ SHEET _____<br>63 of 173<br>CONTRACT PROJECT<br>R-42253 1800060                 |
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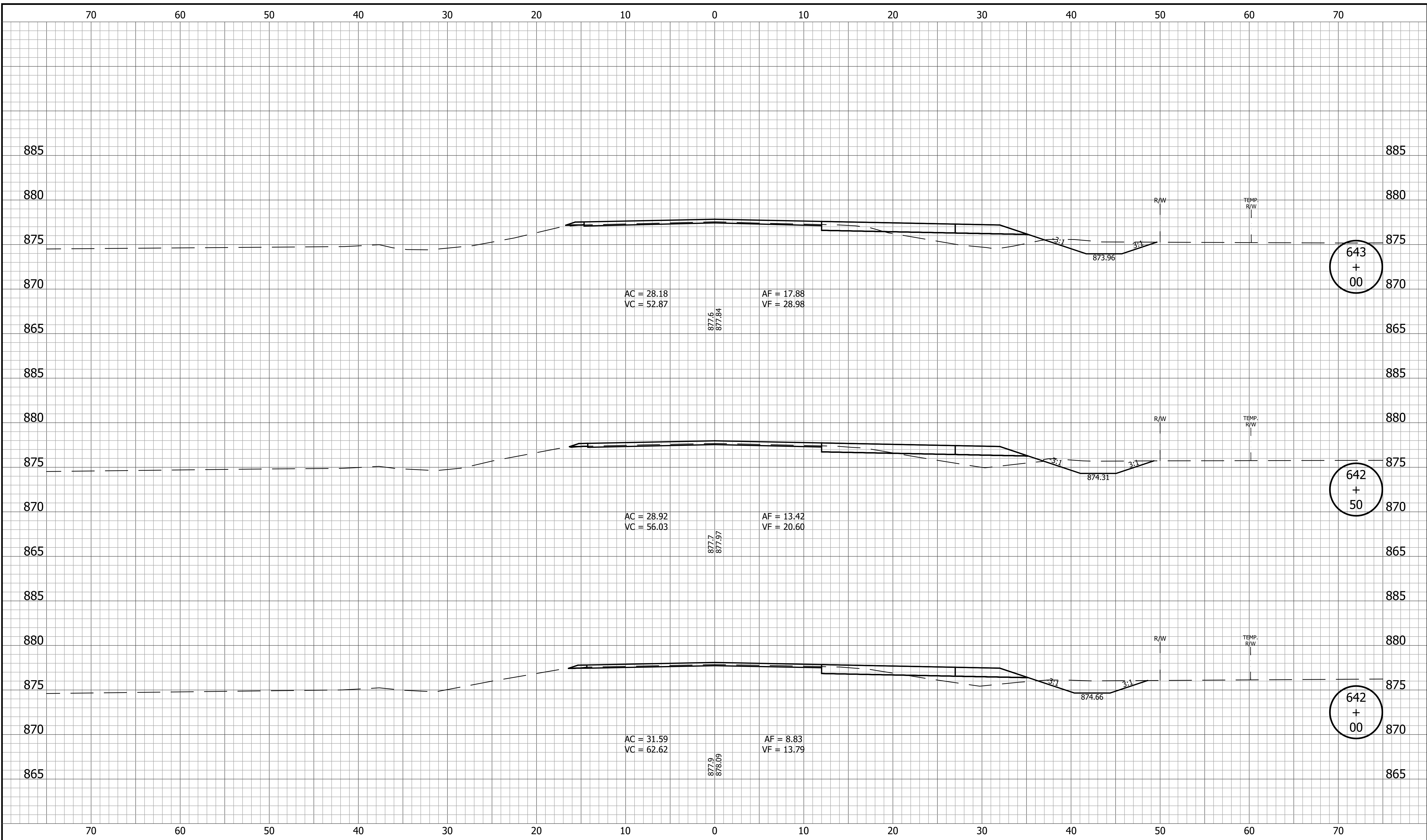
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|  | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER DATE                            | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b> | HORIZONTAL SCALE<br>1" = 5'<br>VERTICAL SCALE<br>1" = 5' | BRIDGE FILE<br>DESIGNATION<br>1800060 |
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|  |   |   | CONTRACT<br>R-42253                                      | PROJECT<br>1800060                    |

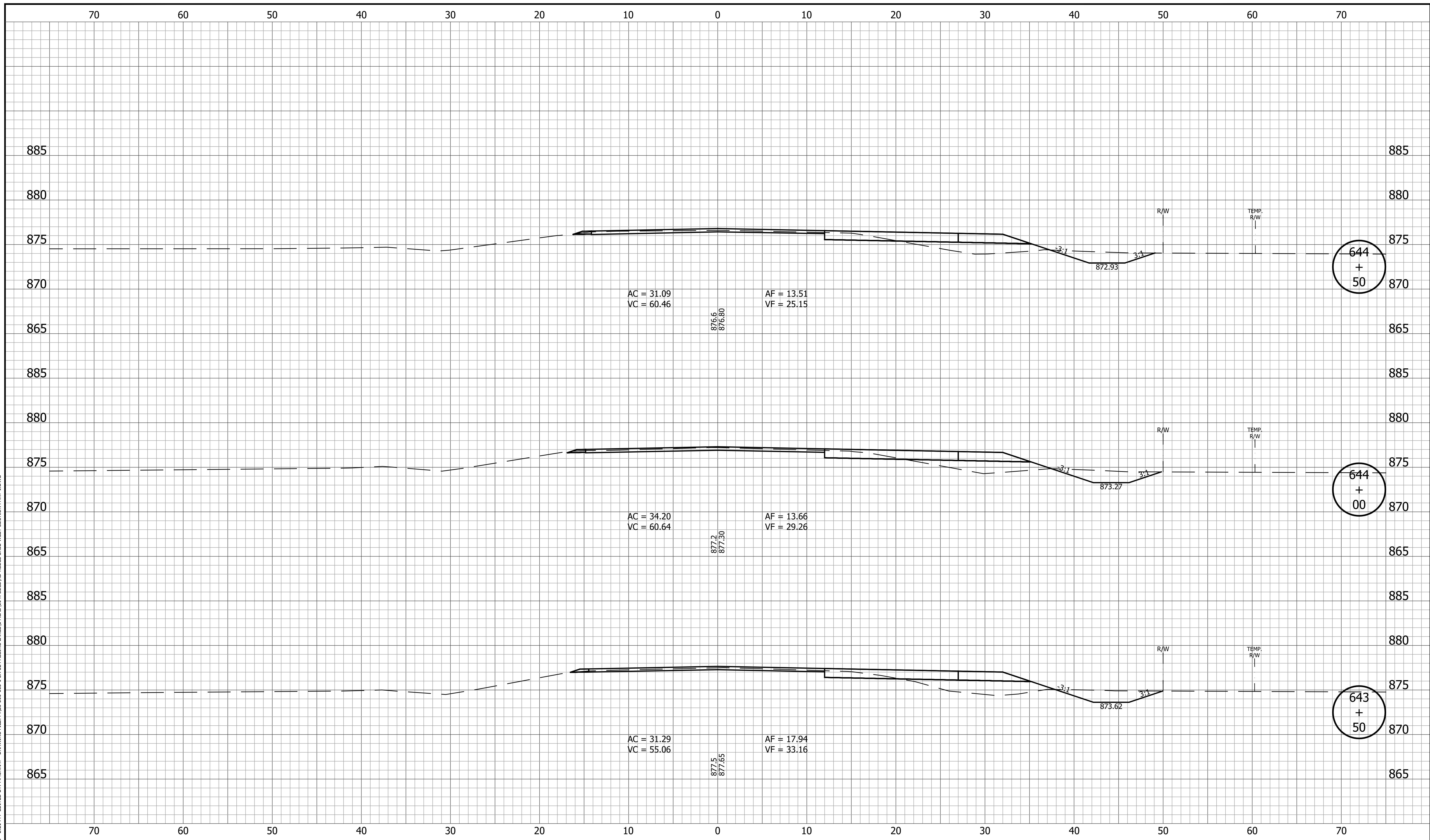


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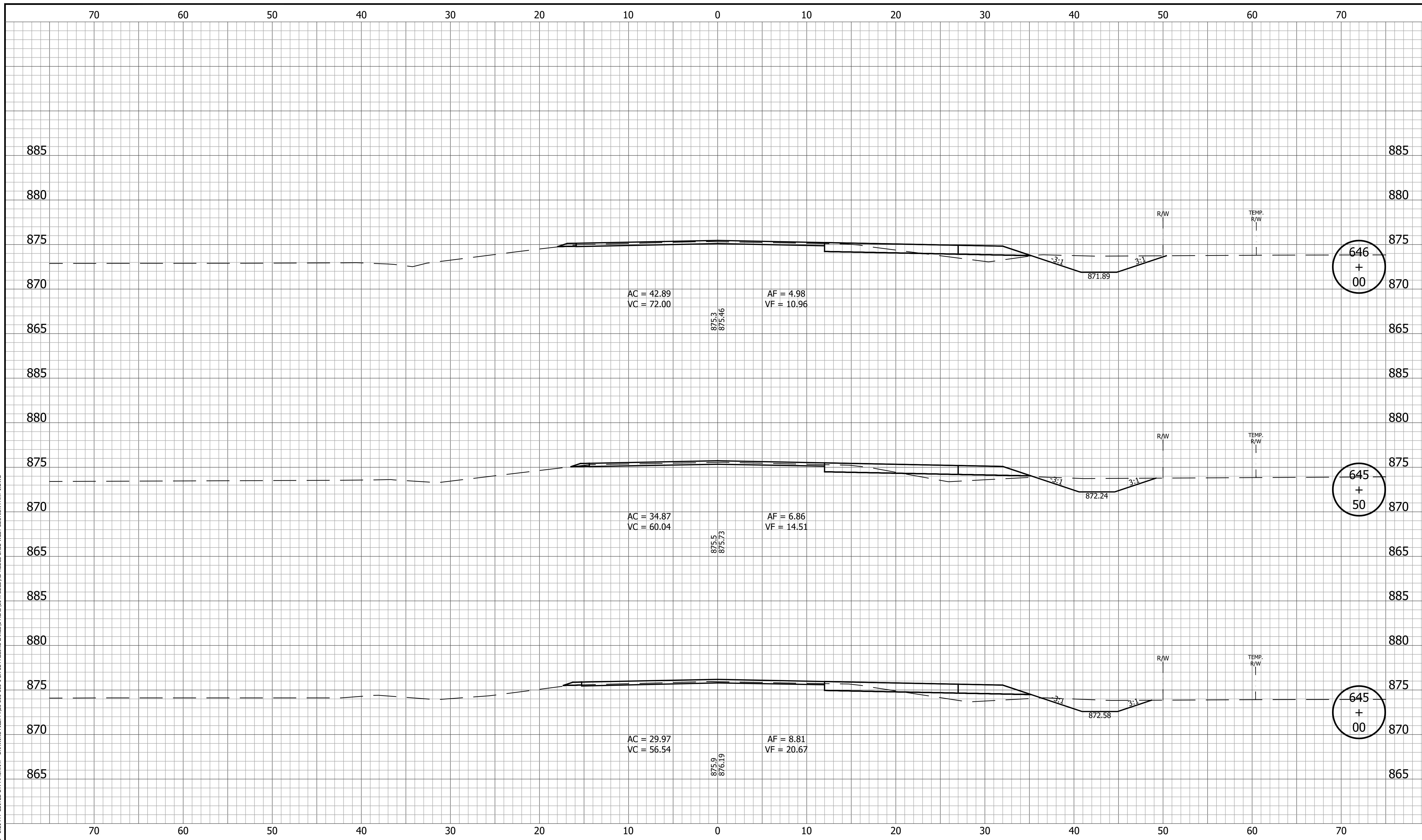
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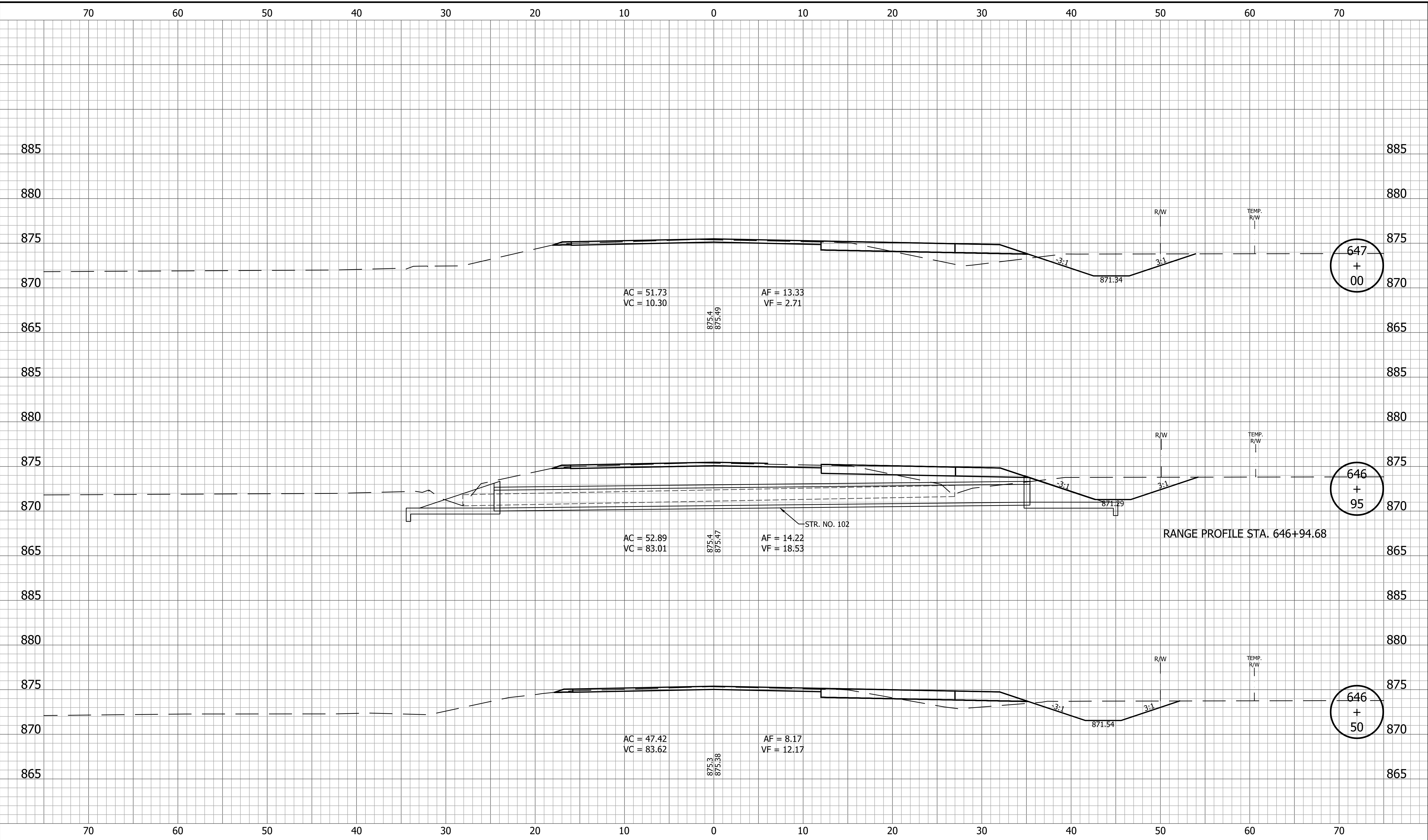
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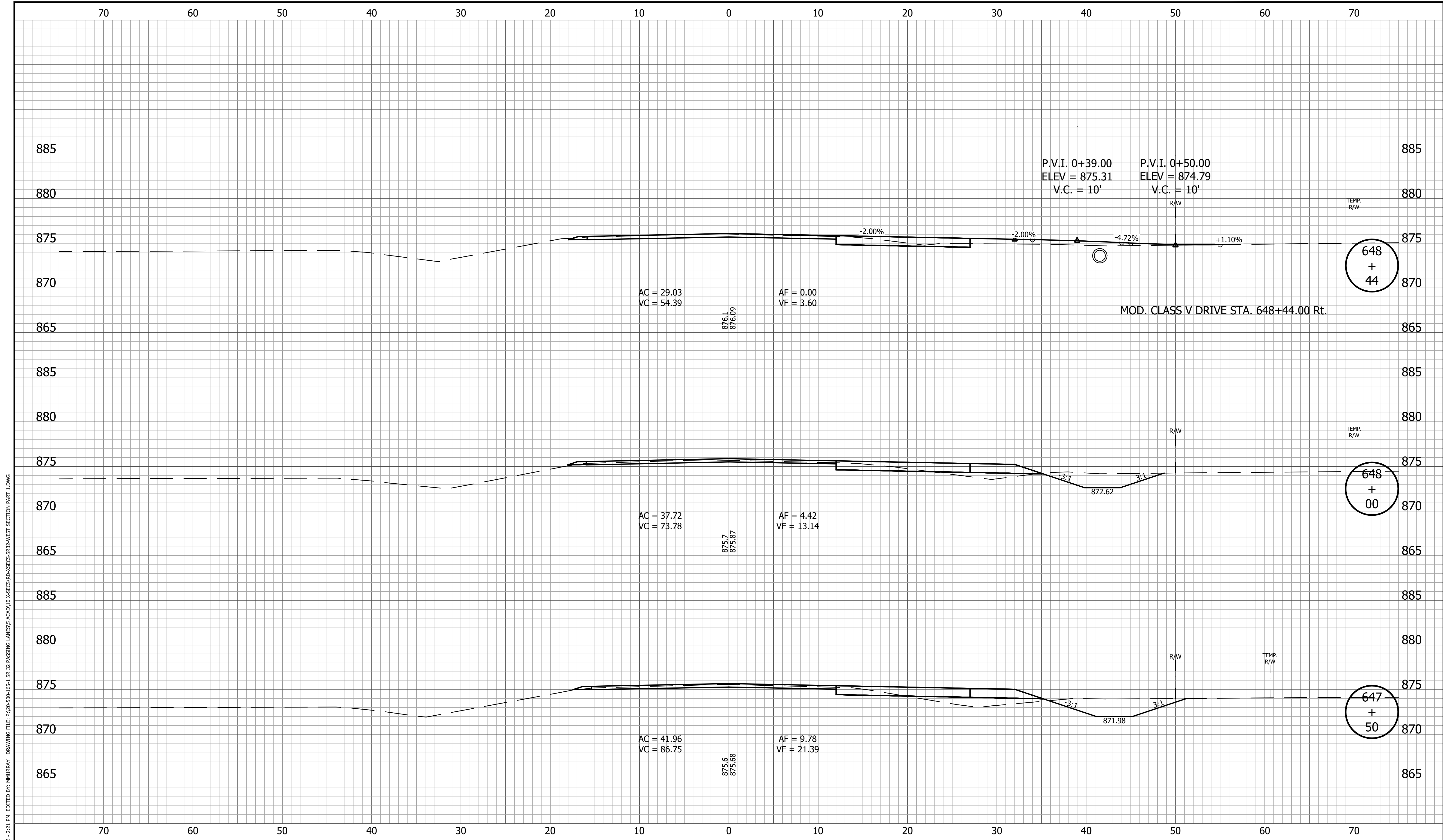
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|  |  | DESIGNED: <u>KRU</u> DRAWN: <u>KRU</u>                          |  |                                      |  | VERTICAL SCALE<br>1" = 5'   |  | DESIGNATION<br>1800060 |  |
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|  |  |   |  |                                      |  |                             |  | 67 of 173              |  |
|  |  |   |  |                                      |  | CONTRACT<br>R-42253         |  | PROJECT<br>1800060     |  |

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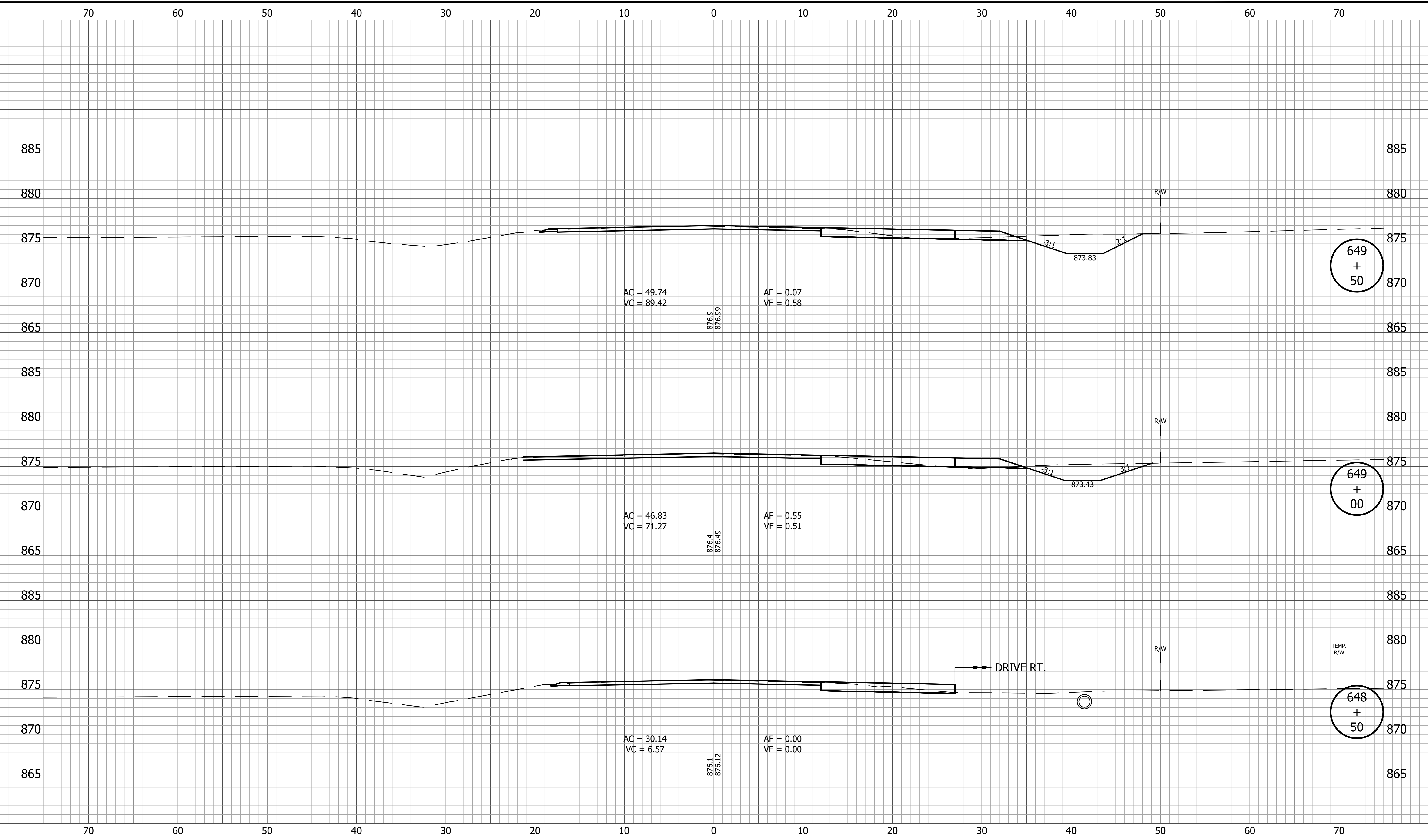
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| RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER _____ DATE _____ | <b>CROSS SECTIONS LINE A</b> |   | SURVEY BOOK _____ SHEET _____<br>68 of 173               | PROJECT<br>1800060                    |
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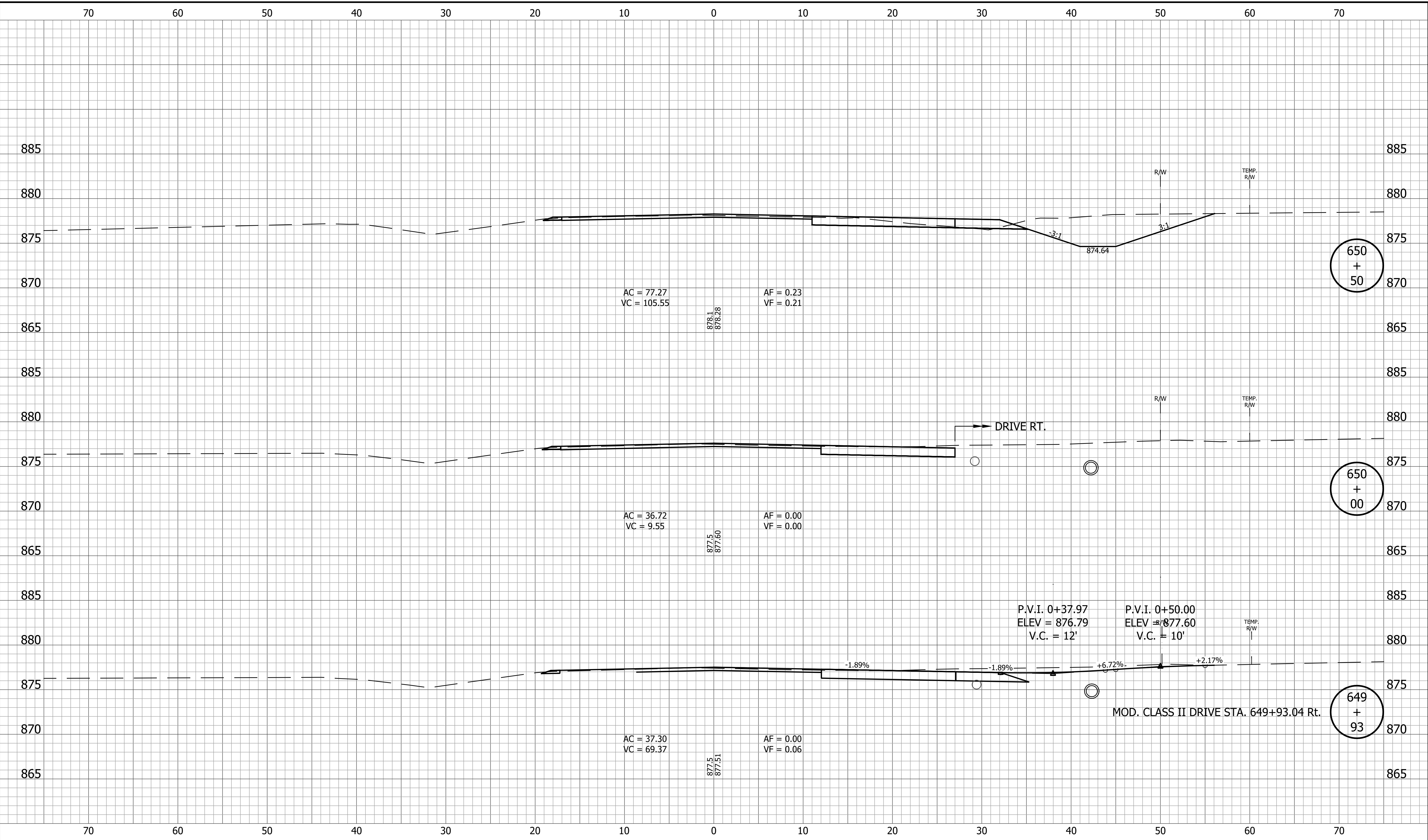
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|  | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER DATE                            | <b>CROSS SECTIONS<br/>LINE A</b>                | SURVEY BOOK _____ SHEET _____<br>69 of 173  |
|  | DESIGNED: <u>KRU</u> DRAWN: <u>KRU</u><br>CHECKED: <u>RDS</u> CHECKED: <u>RDS</u> |   | CONTRACT PROJECT<br>R-42253 1800060   |

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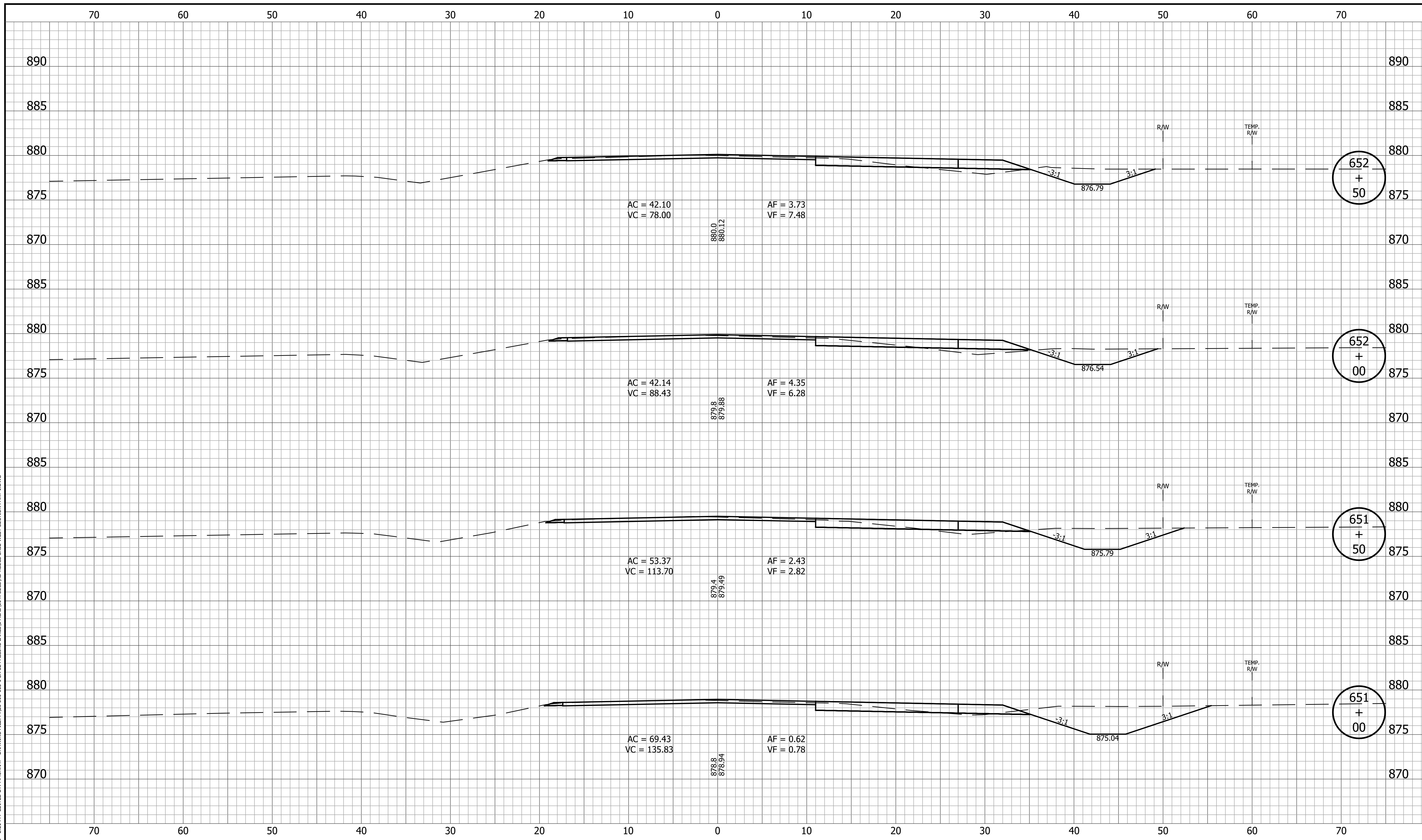
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|  |  | <b>CROSS SECTIONS LINE A</b>                           | SURVEY BOOK<br>70 of 173                                 | SHEET<br>PROJECT<br>1800060           |
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|  |  | CONTRACT R-42253 PROJECT 1800060                       |  |                                       |

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|--|-----------------|---|--|------------------|---------------|------------|--|----------------|--------------|---------|------------------------------|-------------|-------|--|-----------|----------|---------|---------|---------|
|  |                 | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b> | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1" = 5'</td> <td></td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1" = 5'</td> <td>1800060</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEET</td> </tr> <tr> <td></td> <td>71 of 173</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>R-42253</td> <td>1800060</td> </tr> </table> | HORIZONTAL SCALE | BRIDGE FILE   | 1" = 5'    |  | VERTICAL SCALE | DESIGNATION  | 1" = 5' | 1800060                      | SURVEY BOOK | SHEET |  | 71 of 173 | CONTRACT | PROJECT | R-42253 | 1800060 |
| HORIZONTAL SCALE   | BRIDGE FILE     |   |  |                  |               |            |  |                |              |         |                              |             |       |  |           |          |         |         |         |
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| VERTICAL SCALE   | DESIGNATION     |   |  |                  |               |            |  |                |              |         |                              |             |       |  |           |          |         |         |         |
| 1" = 5'  | 1800060         |   |  |                  |               |            |  |                |              |         |                              |             |       |  |           |          |         |         |         |
| SURVEY BOOK  | SHEET           |   |  |                  |               |            |  |                |              |         |                              |             |       |  |           |          |         |         |         |
|  | 71 of 173       |   |  |                  |               |            |  |                |              |         |                              |             |       |  |           |          |         |         |         |
| CONTRACT   | PROJECT         |   |  |                  |               |            |  |                |              |         |                              |             |       |  |           |          |         |         |         |
| R-42253  | 1800060         |   |  |                  |               |            |  |                |              |         |                              |             |       |  |           |          |         |         |         |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>RECOMMENDED FOR APPROVAL</td> <td>DESIGN ENGINEER</td> <td>DATE</td> </tr> <tr> <td>DESIGNED: KRJ</td> <td>DRAWN: KRJ</td> <td></td> </tr> <tr> <td>CHECKED: RDS</td> <td>CHECKED: RDS</td> <td></td> </tr> </table> |                 | RECOMMENDED FOR APPROVAL                    | DESIGN ENGINEER  | DATE             | DESIGNED: KRJ | DRAWN: KRJ |  | CHECKED: RDS   | CHECKED: RDS |         | <b>CROSS SECTIONS LINE A</b> |             |       |  |           |          |         |         |         |
| RECOMMENDED FOR APPROVAL   | DESIGN ENGINEER | DATE  |  |                  |               |            |  |                |              |         |                              |             |       |  |           |          |         |         |         |
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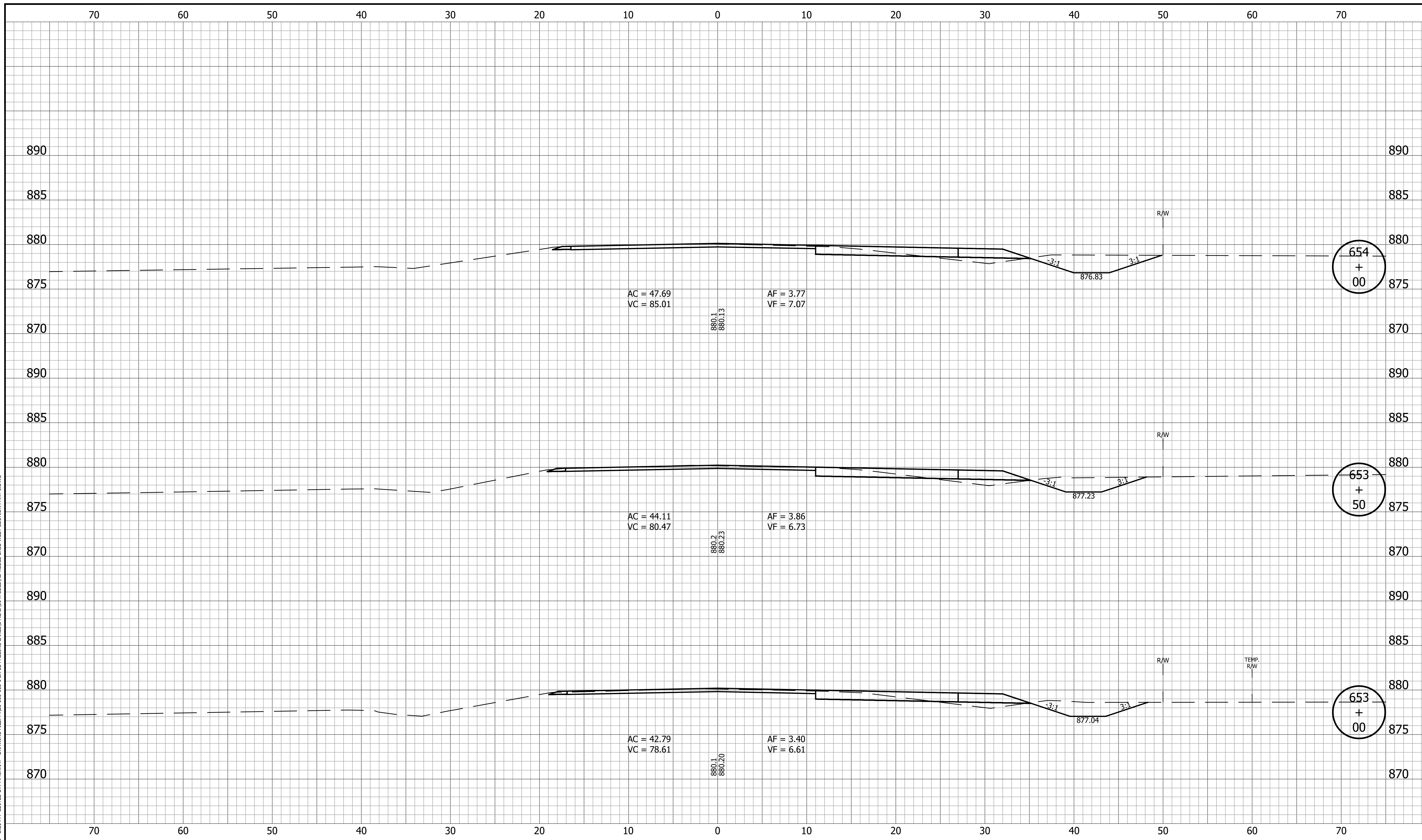
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|  | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER DATE | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b> | HORIZONTAL SCALE<br>1" = 5'<br>BRIDGE FILE          |  |
|  | DESIGNED: <u>KRU</u> DRAWN: <u>KRU</u>                 | <b>CROSS SECTIONS</b>                       | VERTICAL SCALE<br>1" = 5'<br>DESIGNATION<br>1800060 |  |
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|  |  |   | CONTRACT R-42253<br>PROJECT 1800060                 |  |

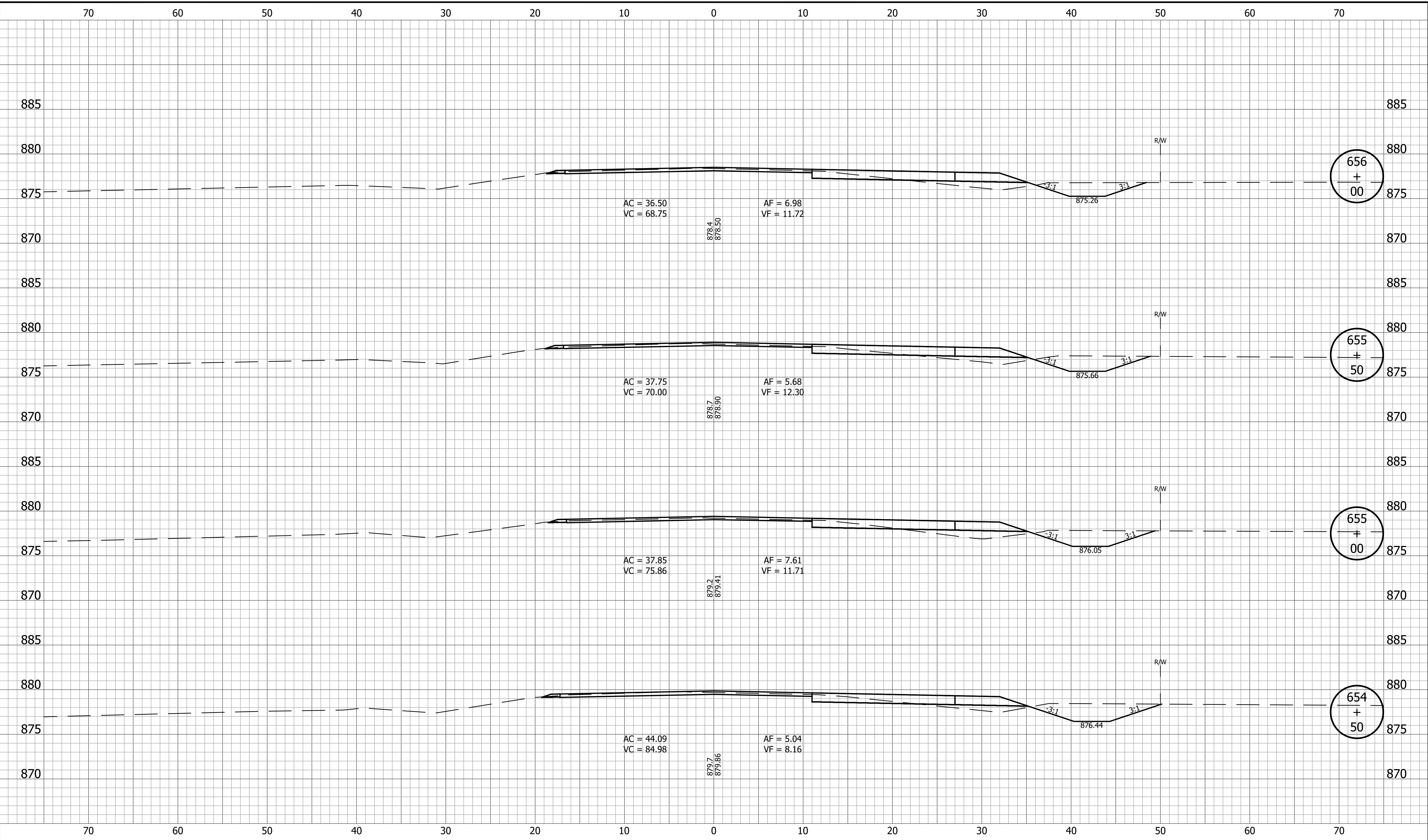


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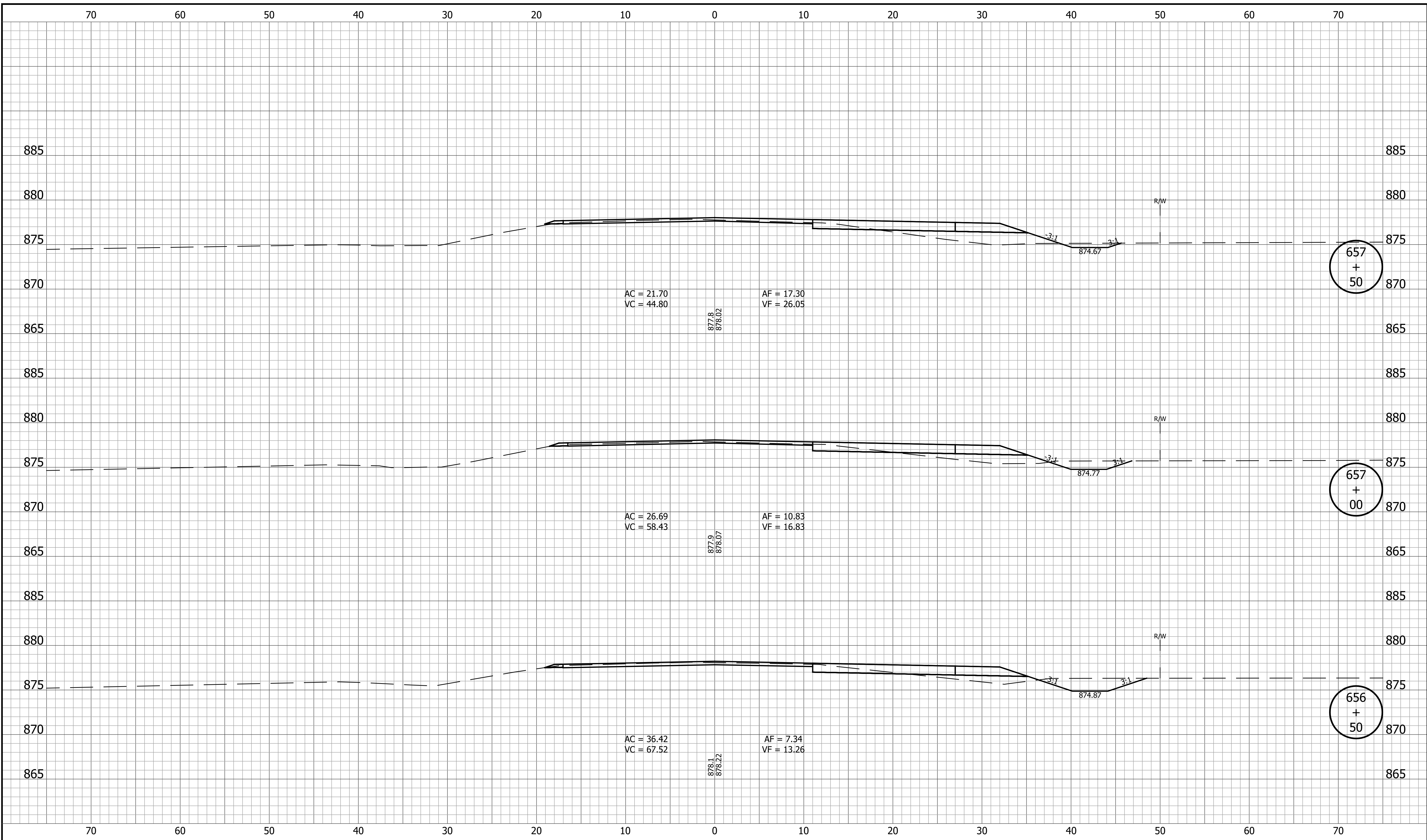
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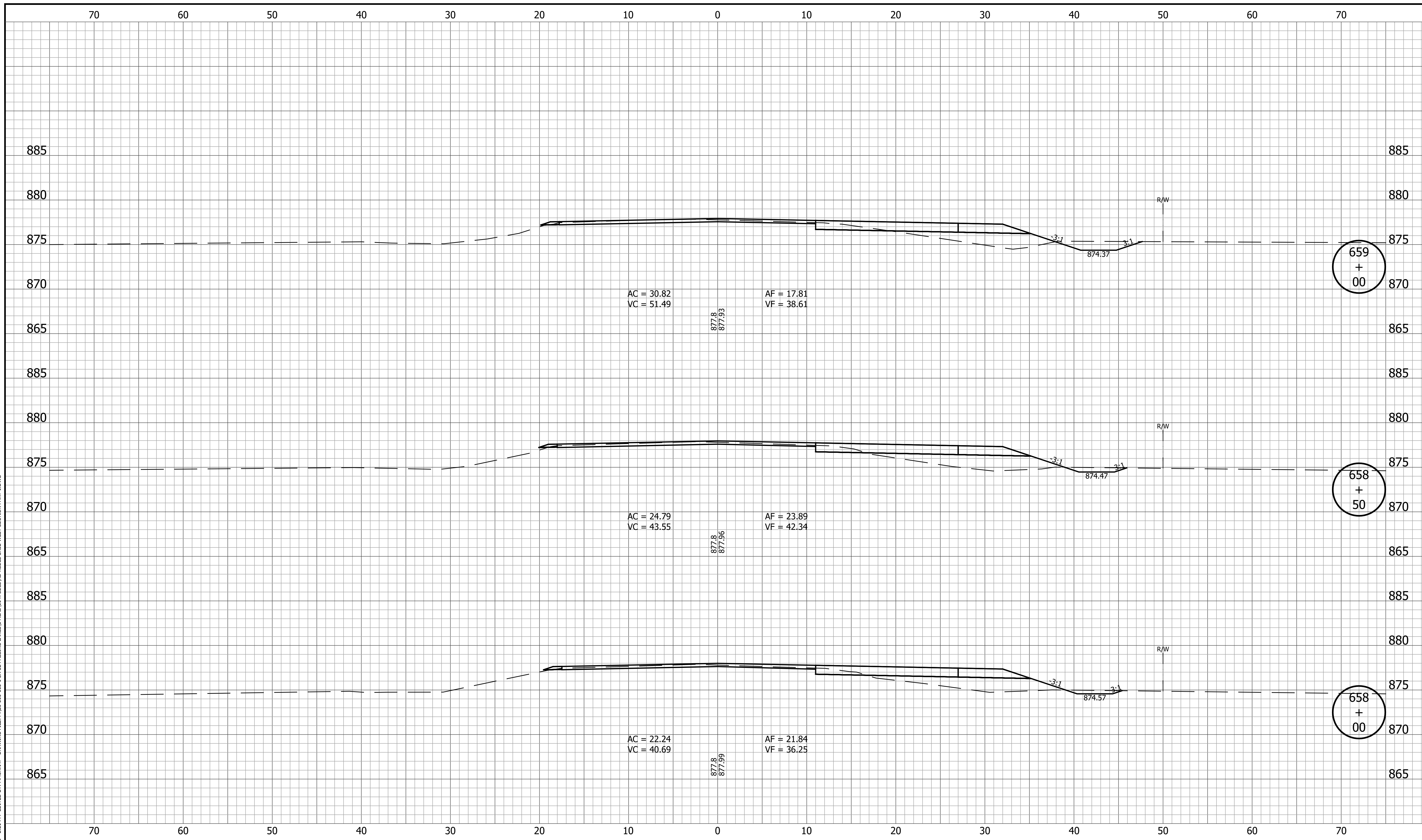
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|  |  | <b>CROSS SECTIONS LINE A</b>  | BRIDGE FILE<br>DESIGNATION<br>1800060                    |
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|  |  | CONTRACT      PROJECT<br>R-42253      1800060                                     |  |

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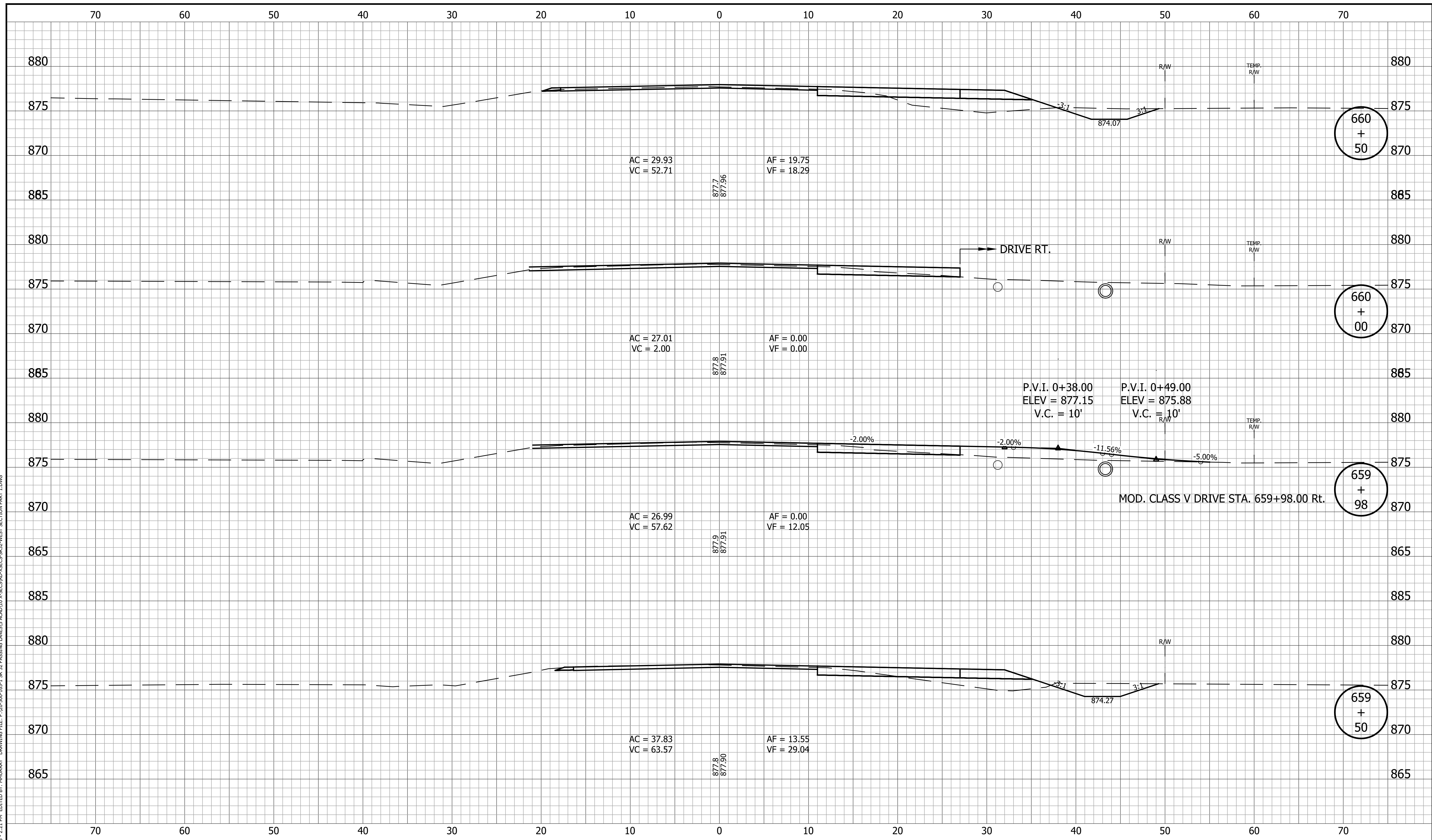
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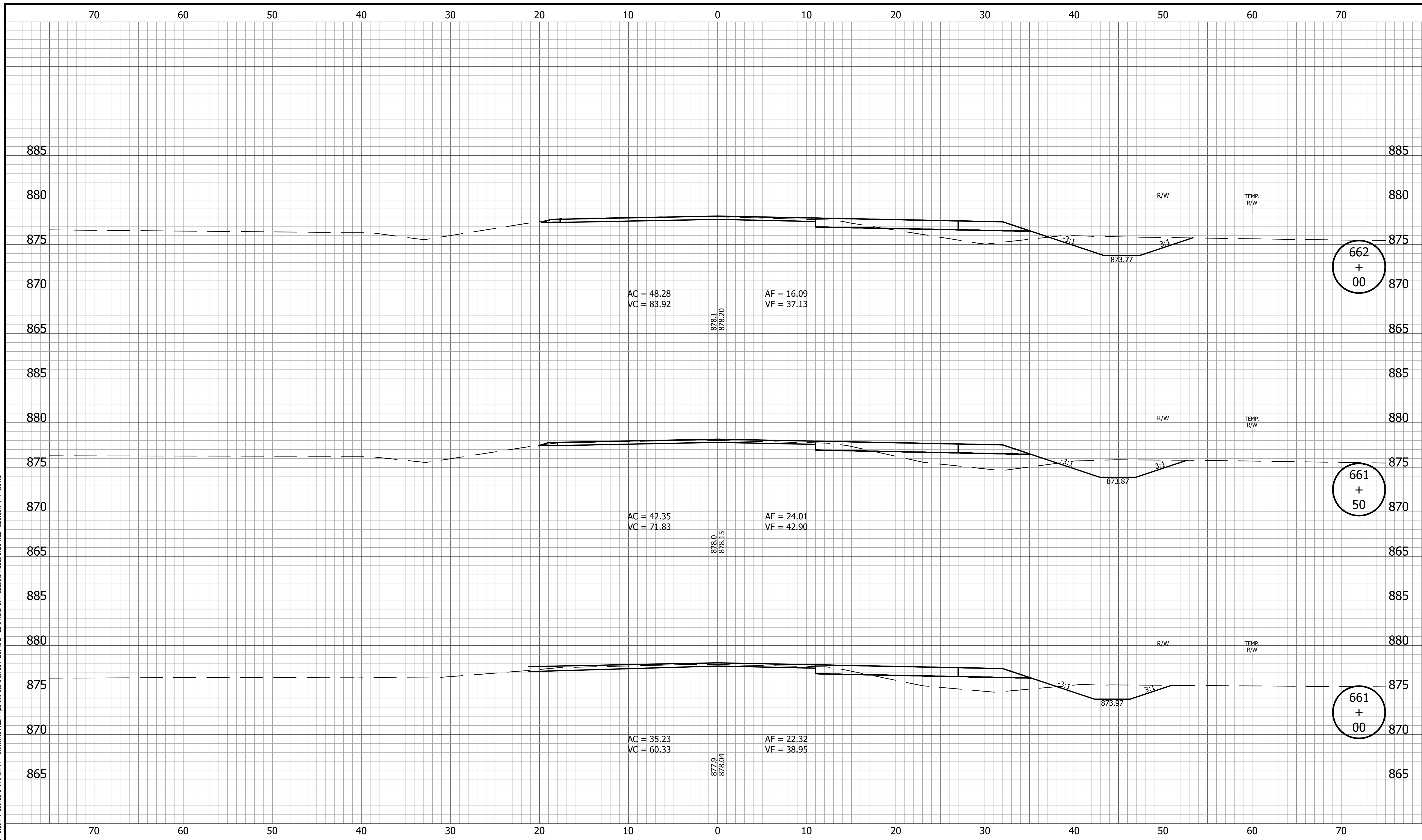
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| <b>INDIANA DEPARTMENT OF TRANSPORTATION</b><br><b>CROSS SECTIONS LINE A</b> |  |   |   |

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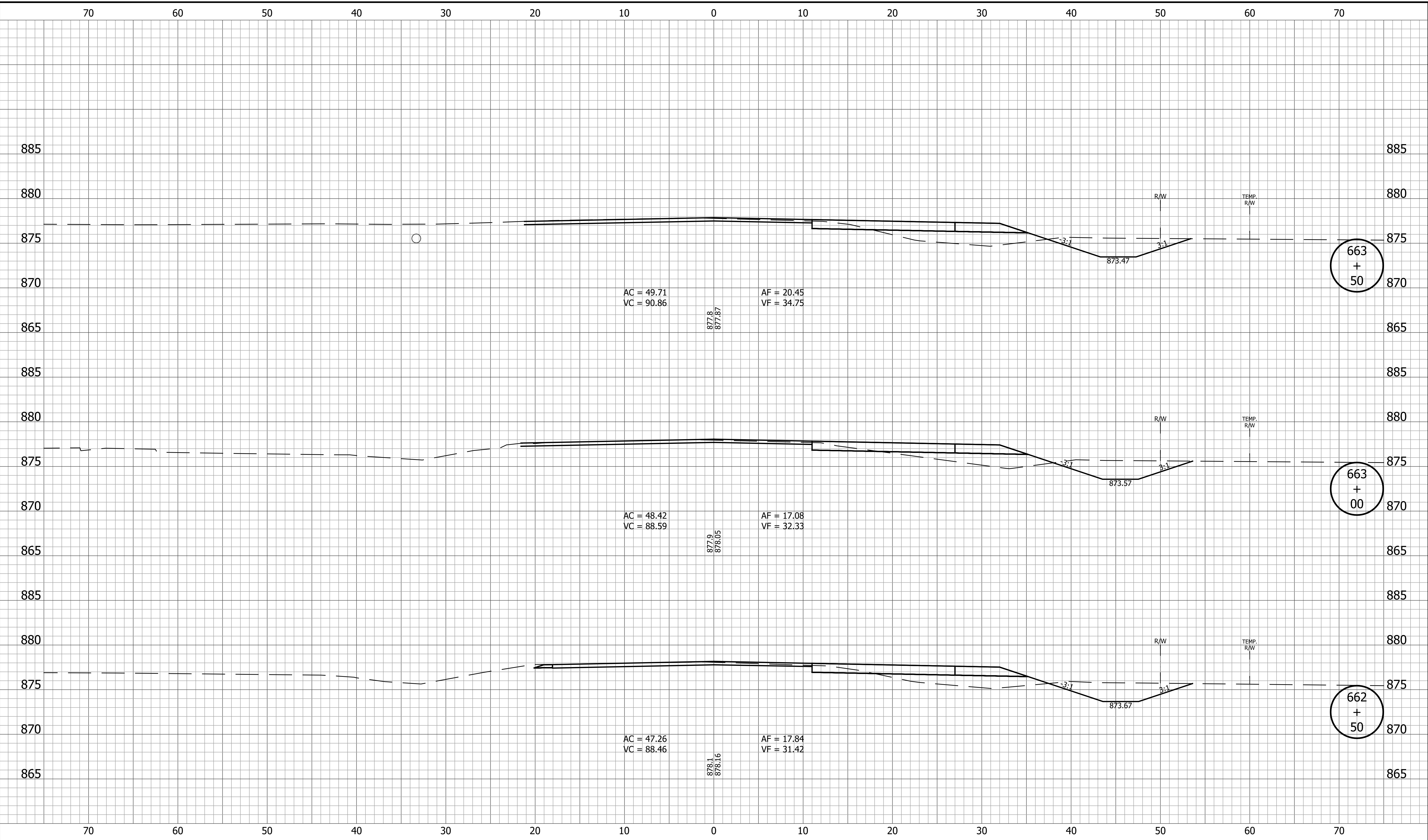
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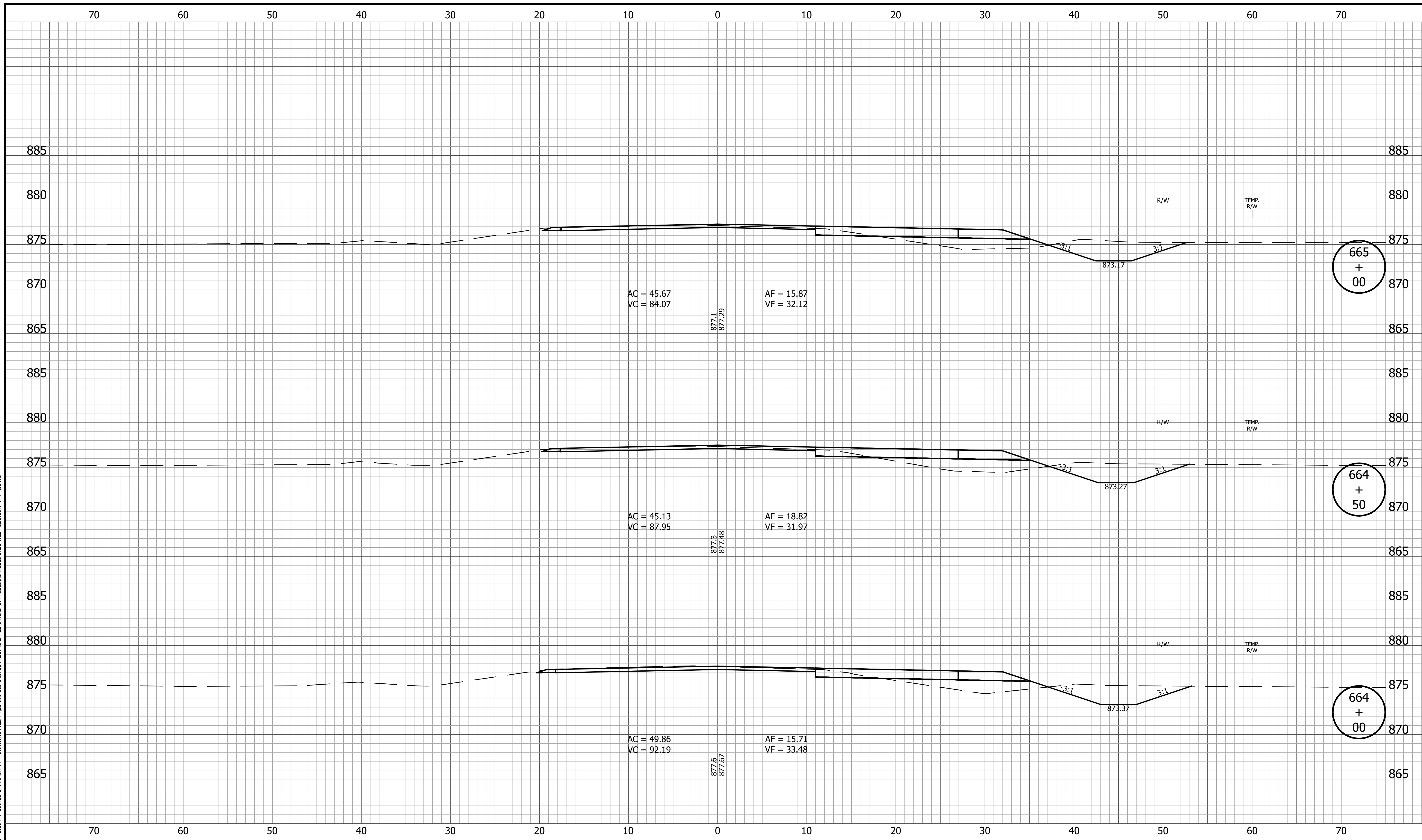
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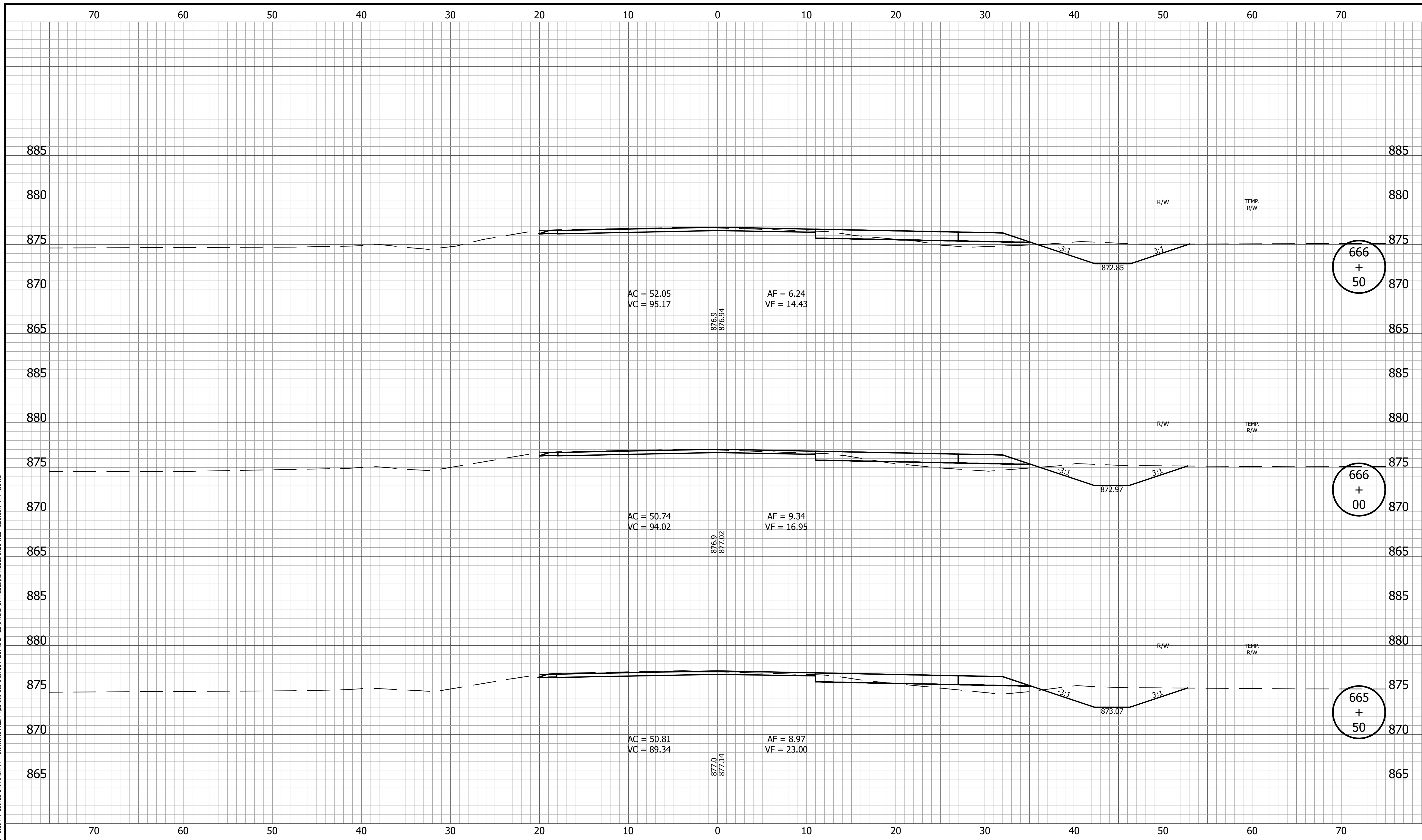
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|  | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER DATE                            | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b> | HORIZONTAL SCALE<br>1" = 5'<br>VERTICAL SCALE<br>1" = 5' | BRIDGE FILE<br>DESIGNATION<br>1800060 |
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|  |   |   | CONTRACT<br>R-42253                                      | PROJECT<br>1800060                    |

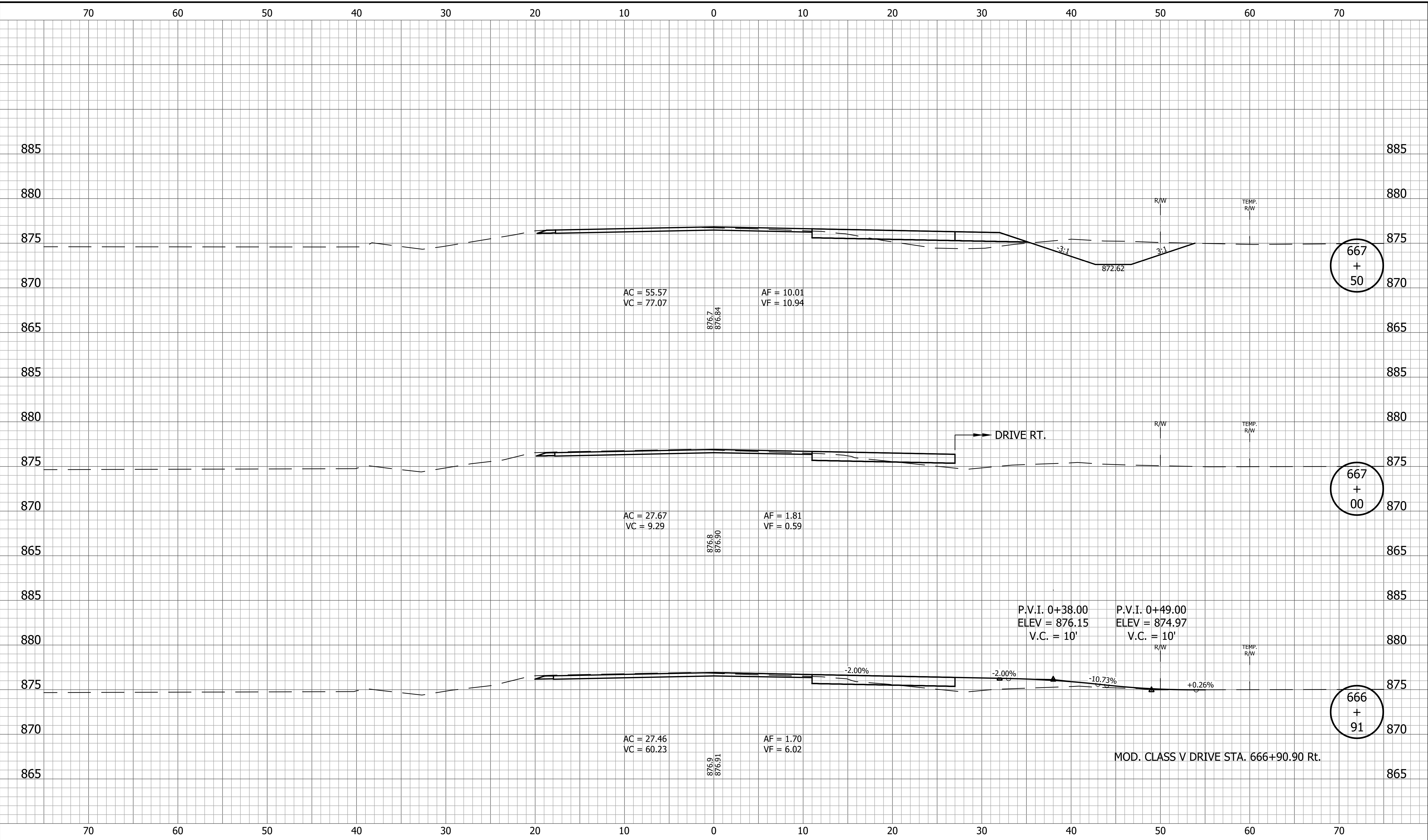


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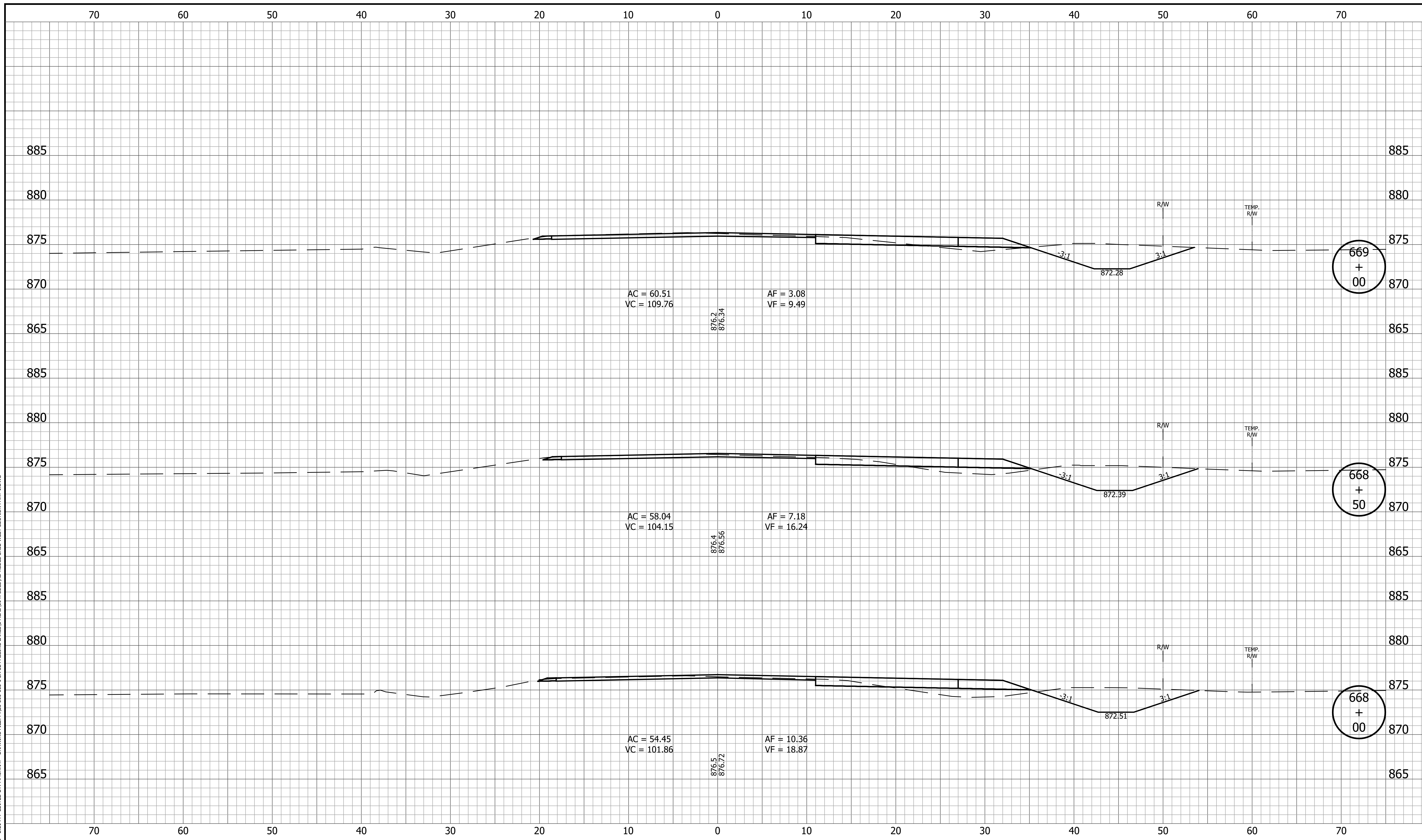
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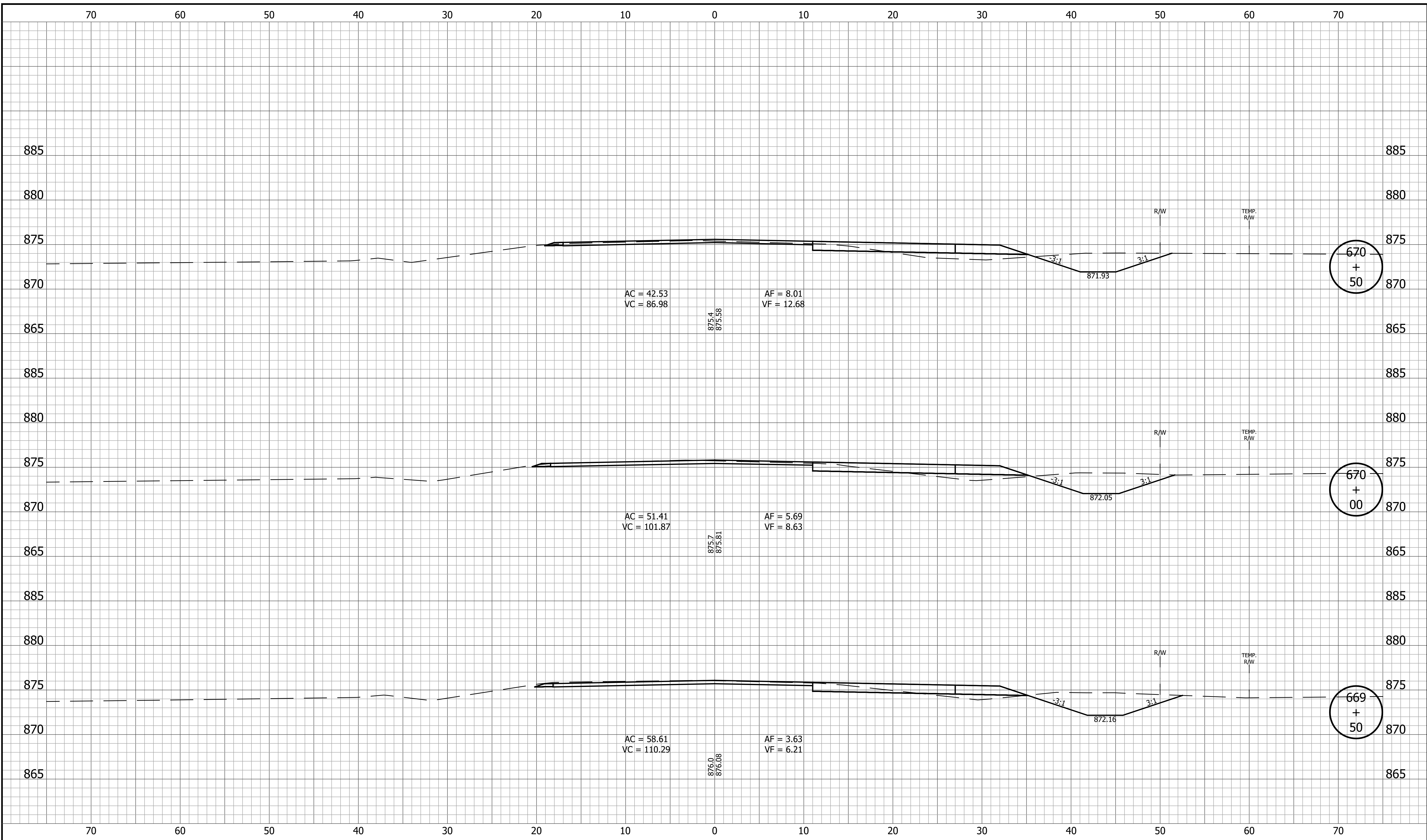
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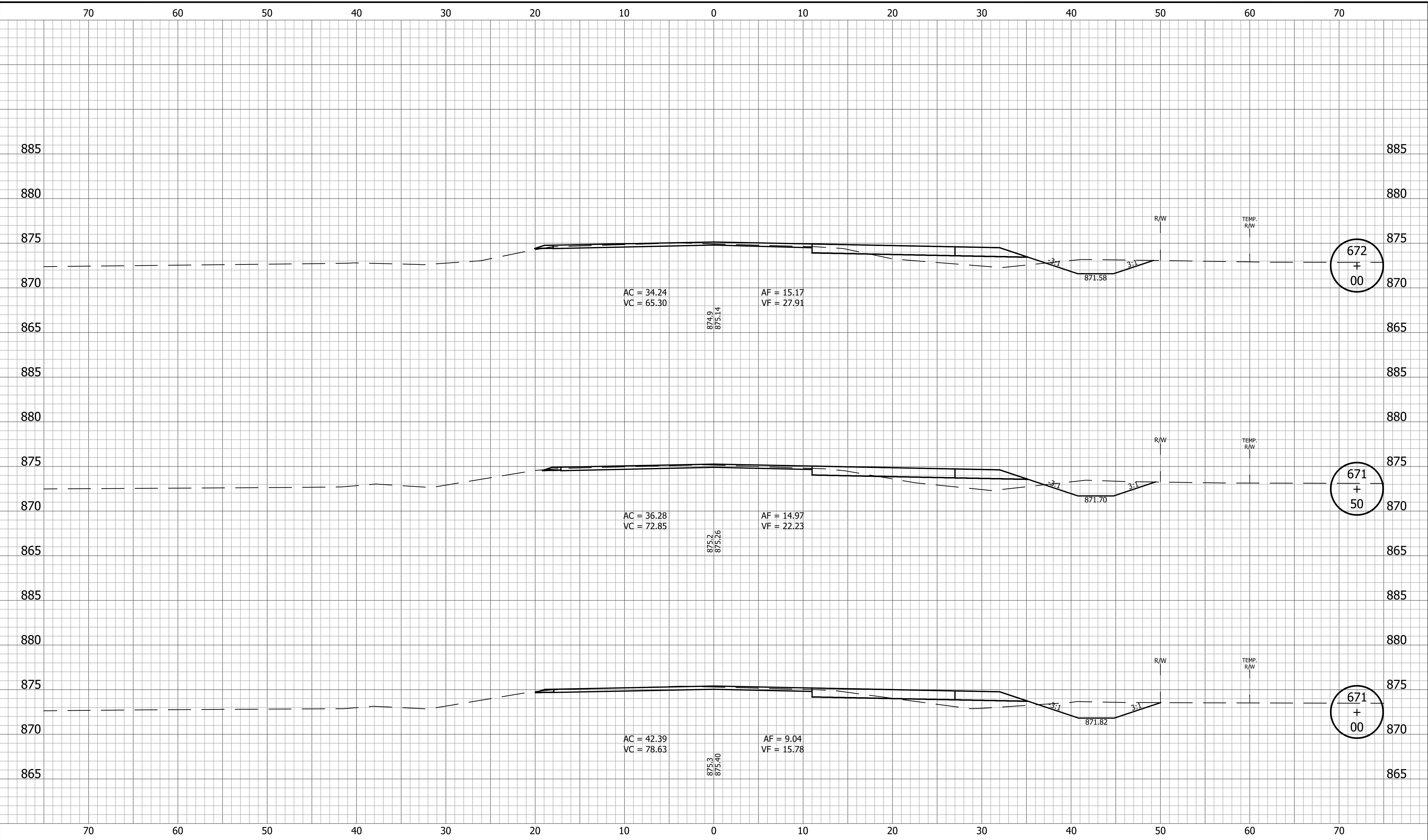
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|                             |                        | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER DATE                            | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b>  |                             |             |                           |                        |             |       |  |           |                     |                    |
|                             |                        | DESIGNED: <u>KRU</u> DRAWN: <u>KRU</u><br>CHECKED: <u>RDS</u> CHECKED: <u>RDS</u> | <b>CROSS SECTIONS LINE A</b>   |                             |             |                           |                        |             |       |  |           |                     |                    |
|                             |                        |   | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">HORIZONTAL SCALE<br/>1" = 5'</td> <td style="width: 50%;">BRIDGE FILE</td> </tr> <tr> <td>VERTICAL SCALE<br/>1" = 5'</td> <td>DESIGNATION<br/>1800060</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEET</td> </tr> <tr> <td></td> <td style="text-align: center;">83 of 173</td> </tr> <tr> <td>CONTRACT<br/>R-42253</td> <td>PROJECT<br/>1800060</td> </tr> </table> | HORIZONTAL SCALE<br>1" = 5' | BRIDGE FILE | VERTICAL SCALE<br>1" = 5' | DESIGNATION<br>1800060 | SURVEY BOOK | SHEET |  | 83 of 173 | CONTRACT<br>R-42253 | PROJECT<br>1800060 |
| HORIZONTAL SCALE<br>1" = 5' | BRIDGE FILE            |   |  |                             |             |                           |                        |             |       |  |           |                     |                    |
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| SURVEY BOOK                 | SHEET                  |   |  |                             |             |                           |                        |             |       |  |           |                     |                    |
|                             | 83 of 173              |   |  |                             |             |                           |                        |             |       |  |           |                     |                    |
| CONTRACT<br>R-42253         | PROJECT<br>1800060     |   |  |                             |             |                           |                        |             |       |  |           |                     |                    |

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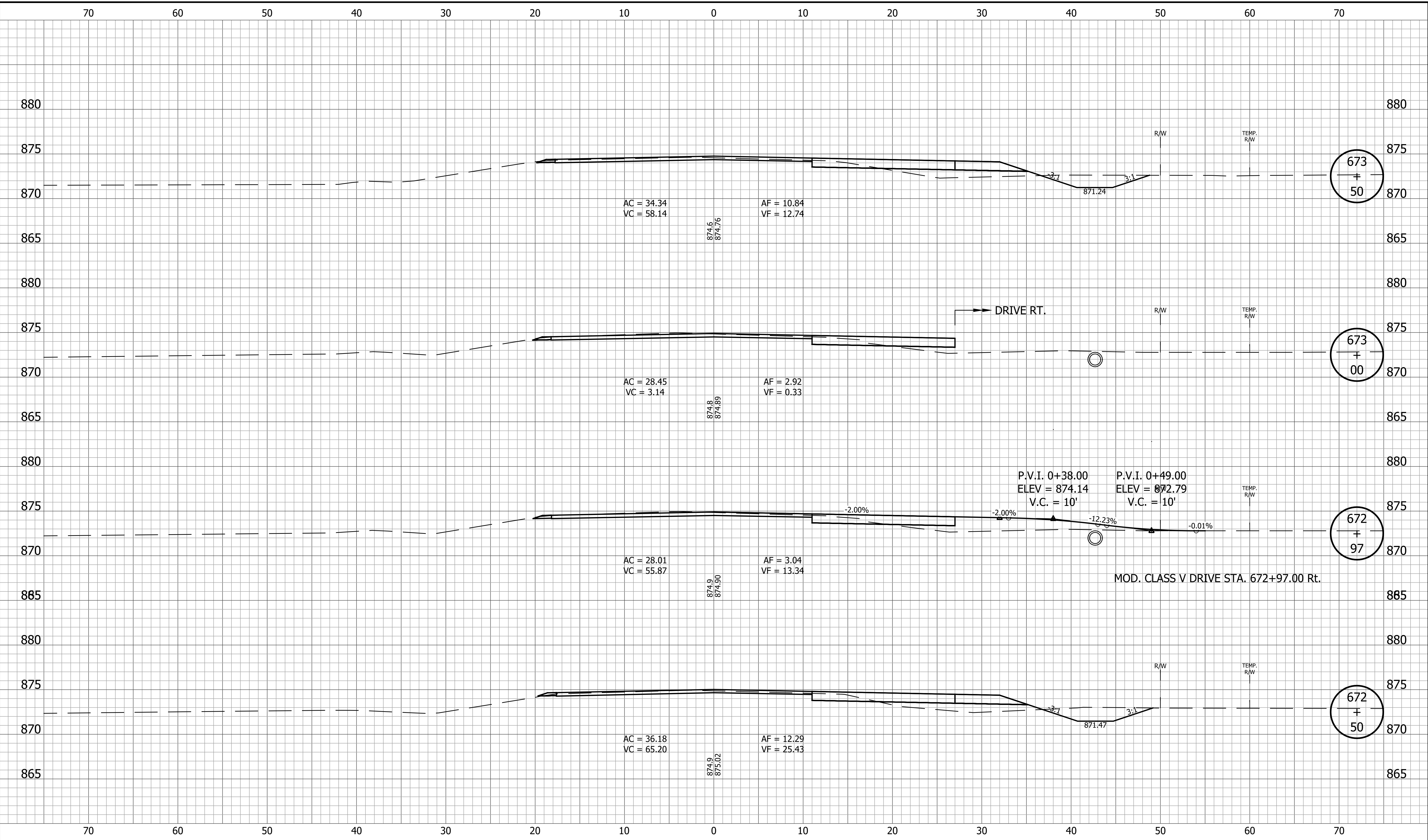
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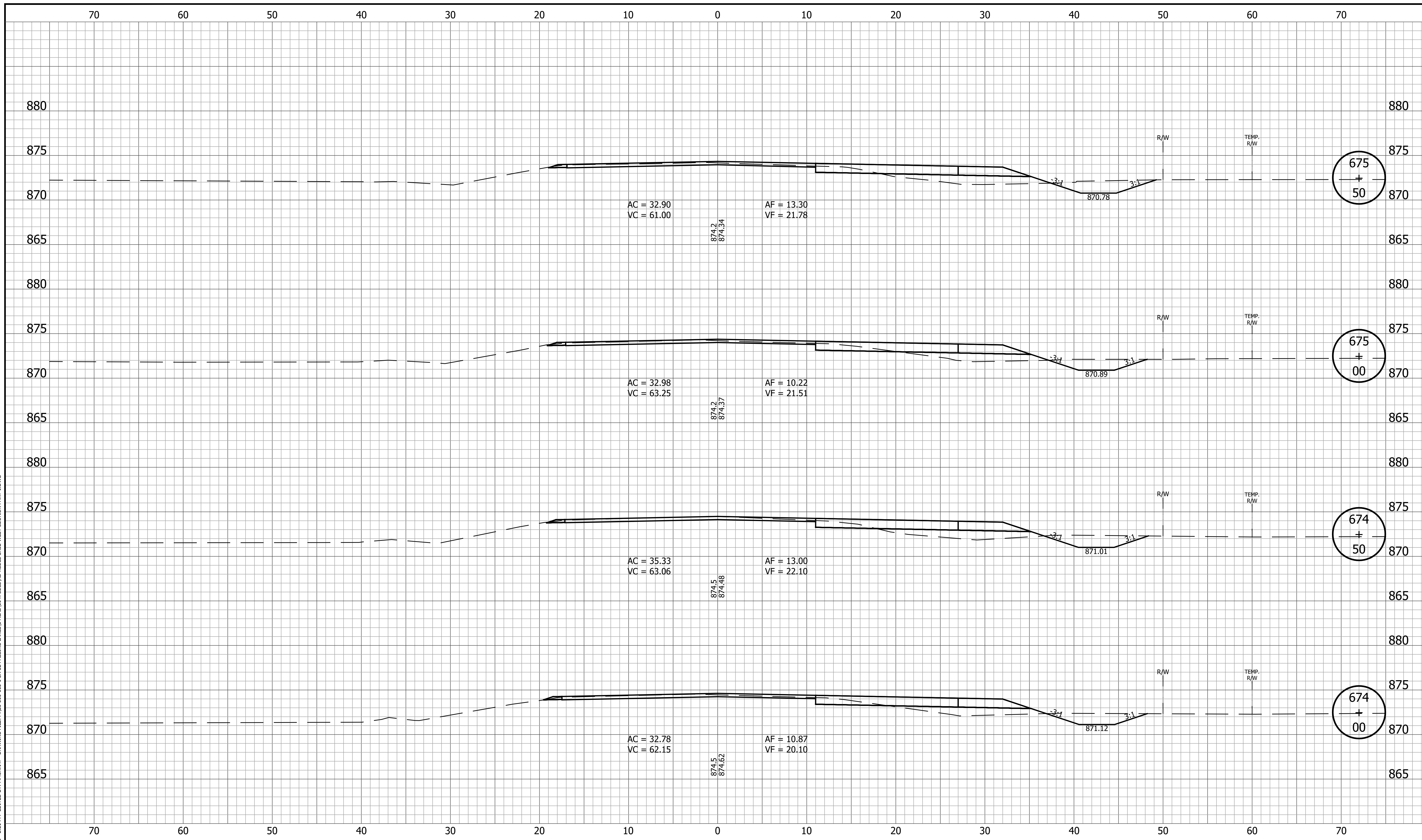
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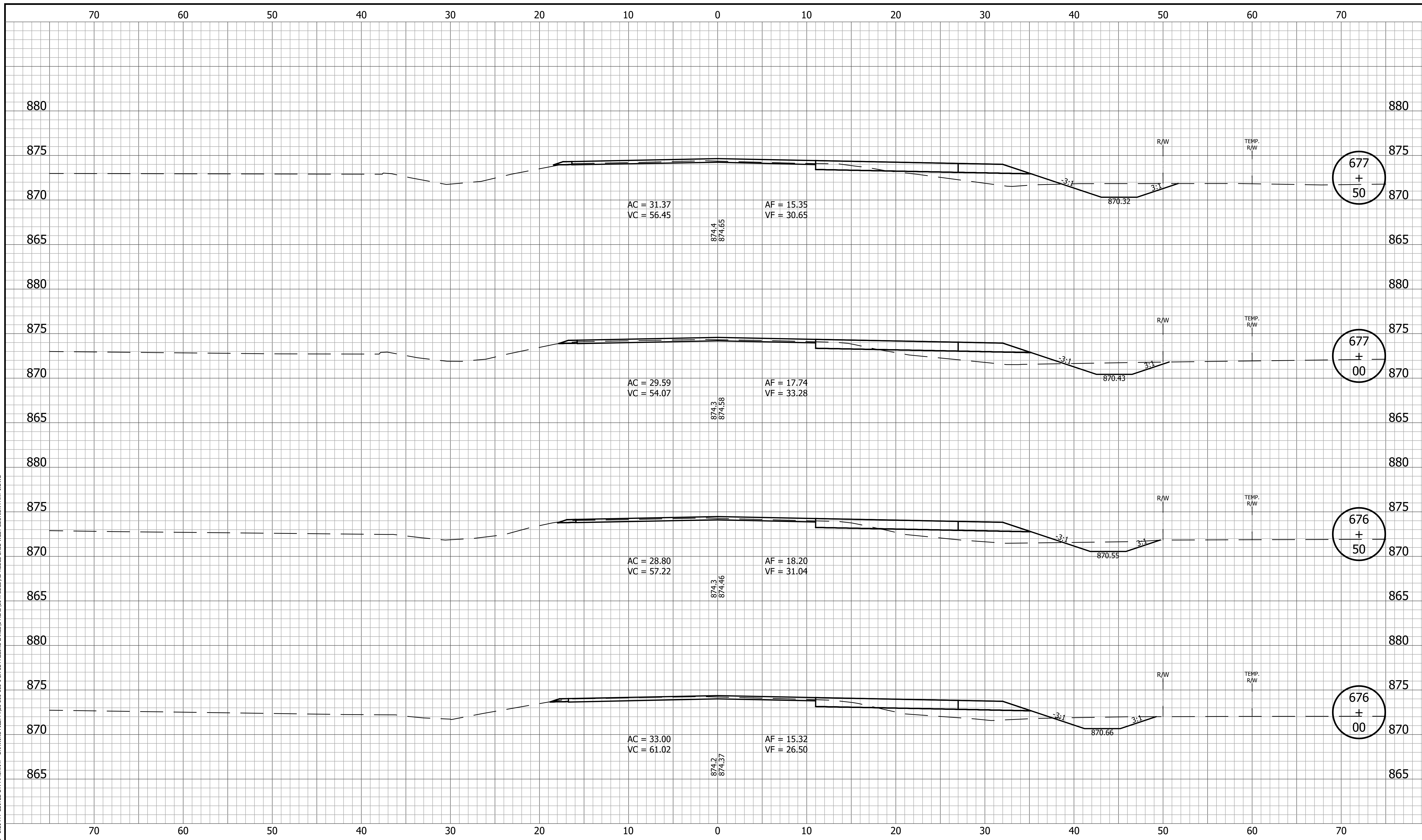
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|  |  | DESIGNED: <u>KRU</u> DRAWN: <u>KRU</u>                 |  |  |  | VERTICAL SCALE<br>1" = 5'   |  | DESIGNATION<br>1800060 |  |
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|  | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER DATE                            | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b> | HORIZONTAL SCALE<br>1" = 5'<br>VERTICAL SCALE<br>1" = 5' | BRIDGE FILE<br>DESIGNATION<br>1800060 |
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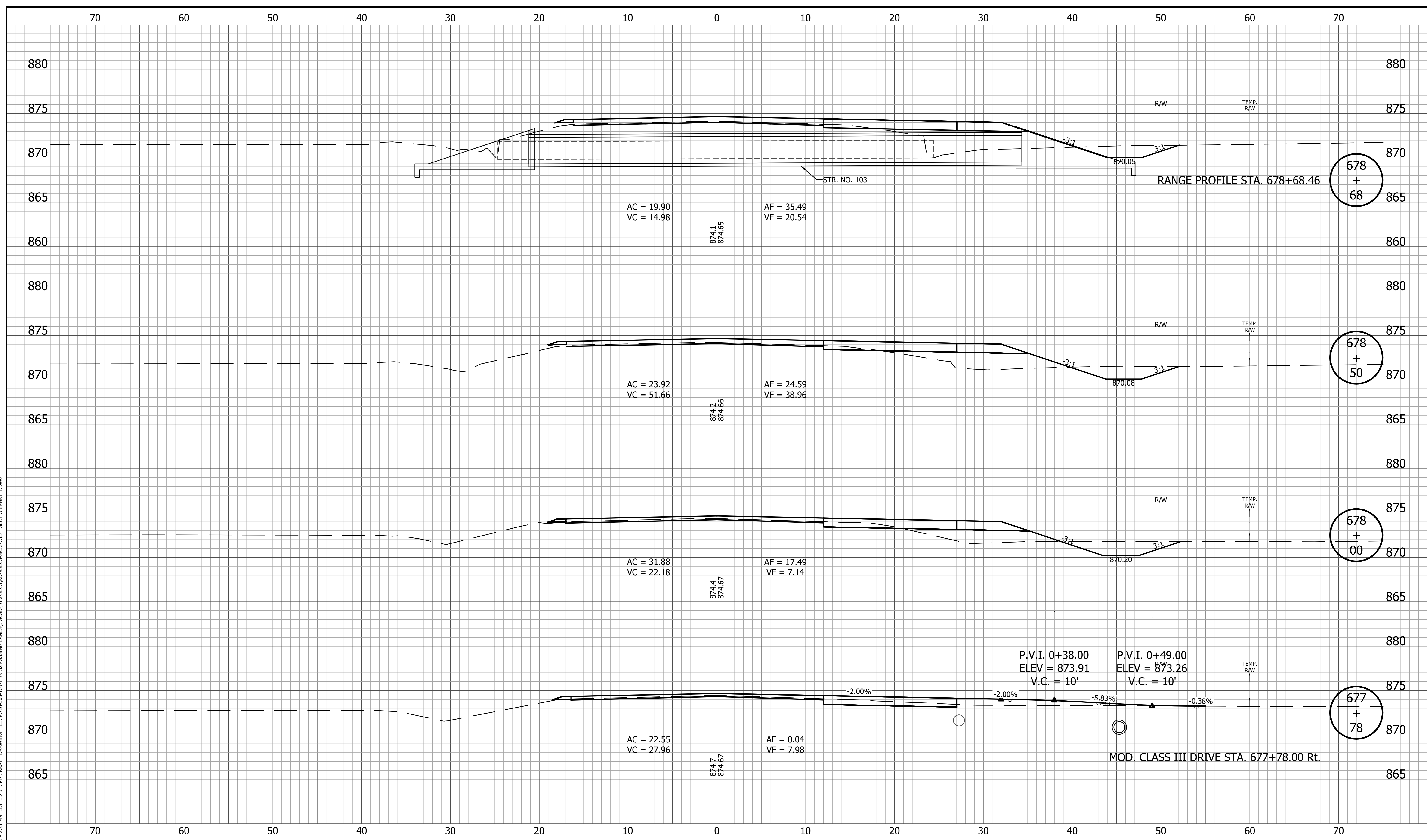
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|  | DESIGNED: <u>KRU</u> DRAWN: <u>KRU</u>                 | <b>CROSS SECTIONS<br/>LINE A</b>            | SURVEY BOOK<br>88 of 173                                 | SHEET<br>PROJECT<br>1800060           |
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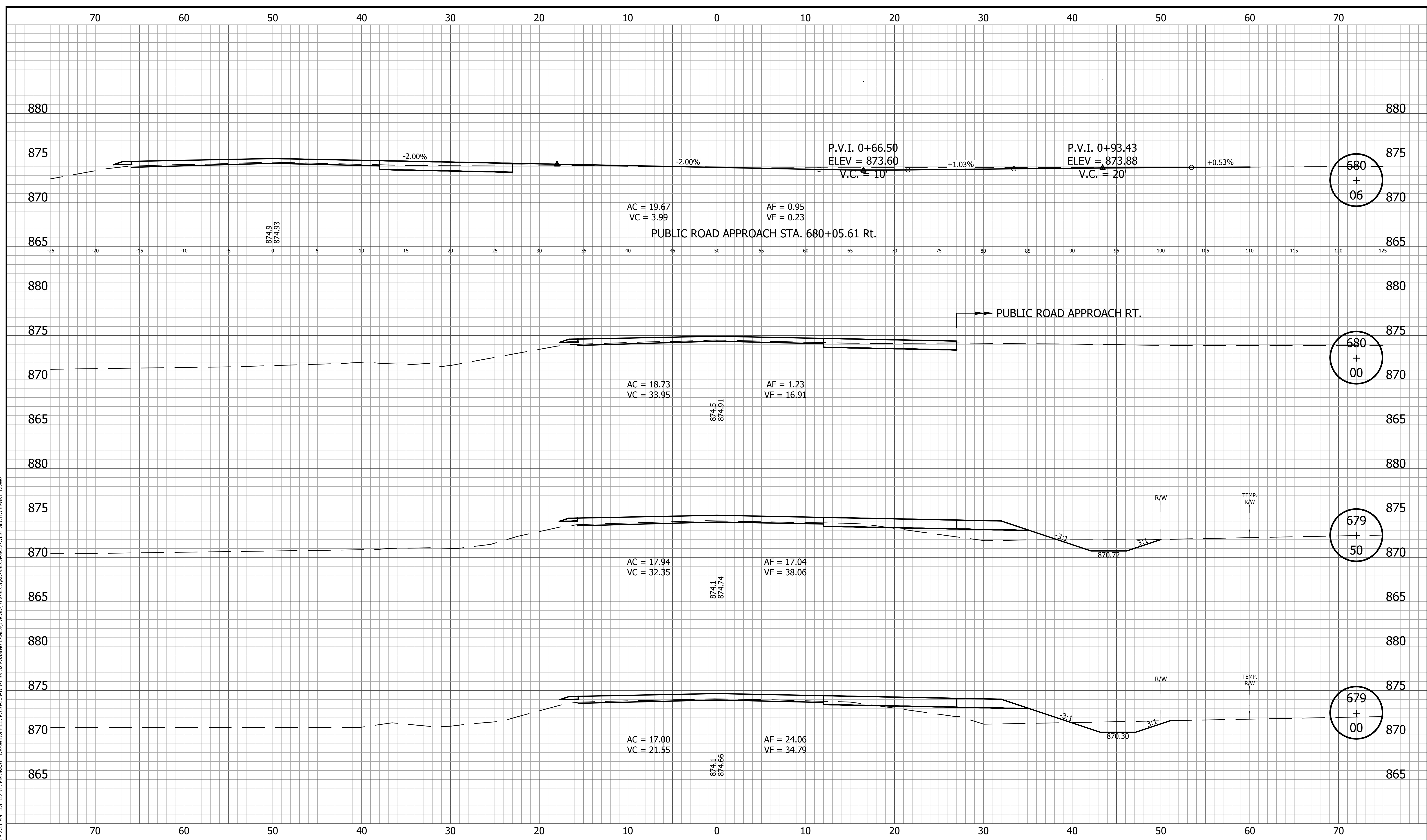


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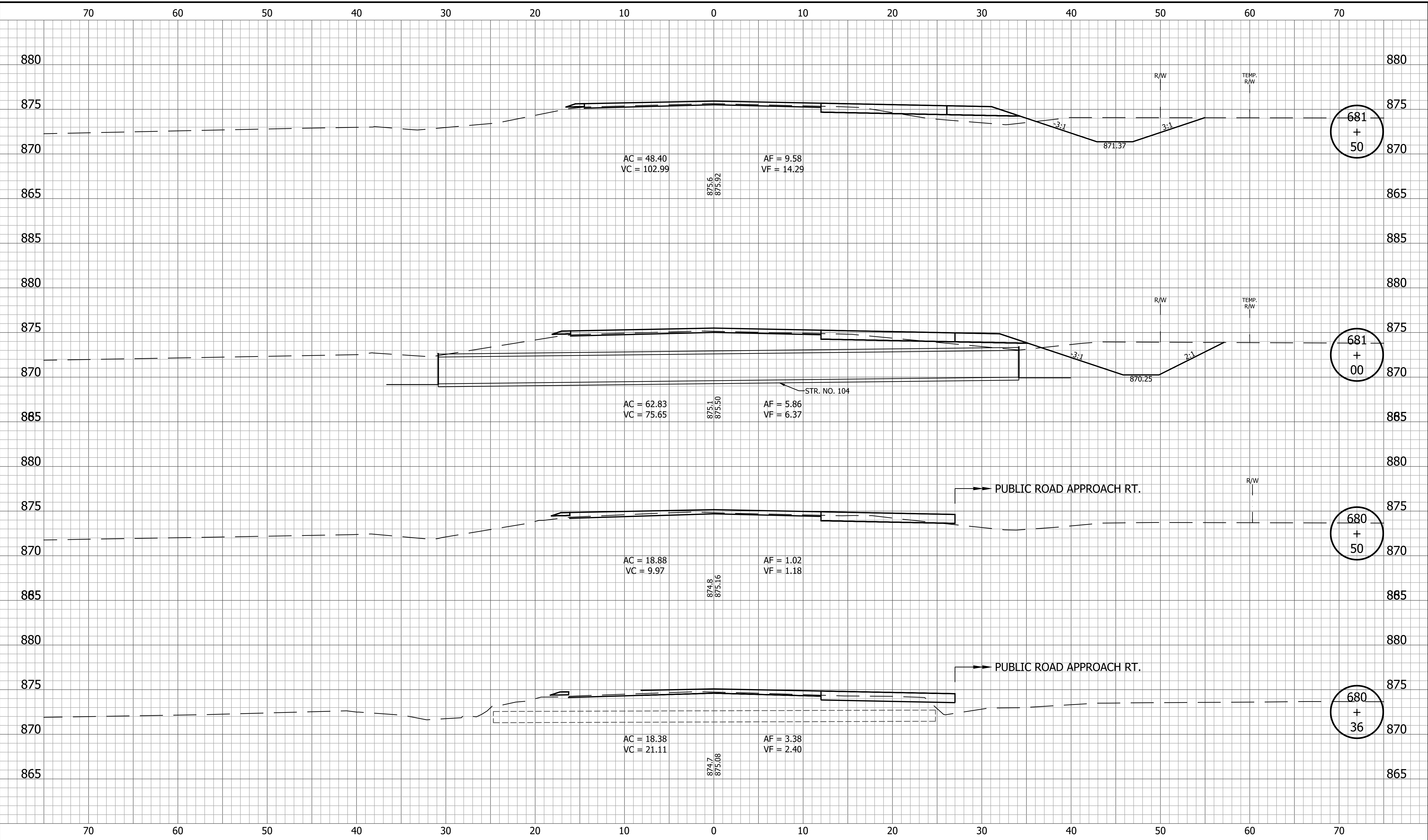
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| RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER _____ DATE _____ |                     | <b>CROSS SECTIONS LINE A</b>                | BRIDGE FILE<br>DESIGNATION<br>1800060                    |
| DESIGNED: <u>KRU</u>   | DRAWN: <u>KRU</u>   | SURVEY BOOK _____ SHEET _____<br>89 of 173  |  |
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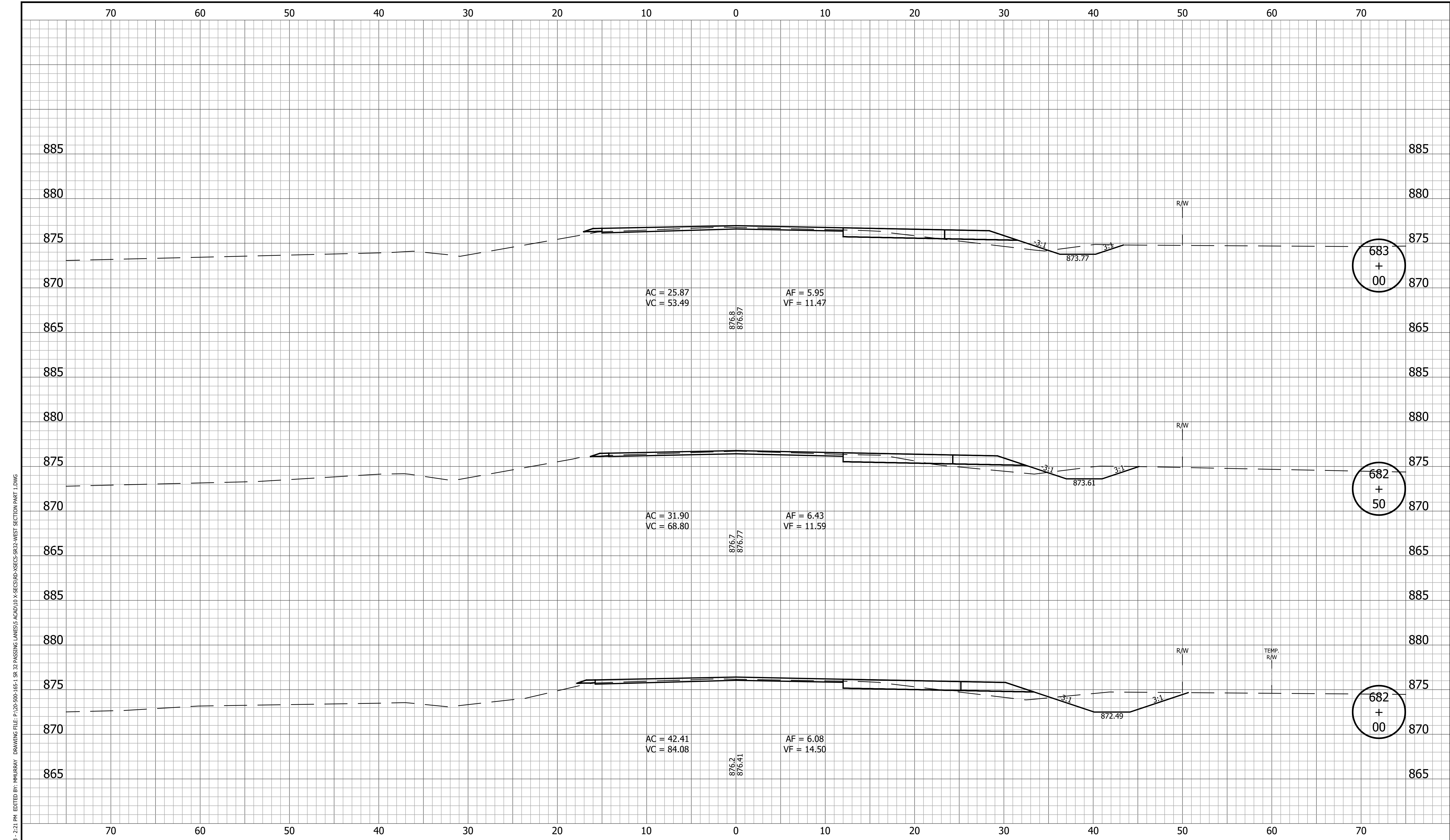


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|  |  |   | CONTRACT PROJECT<br>R-42253 1800060                                     |

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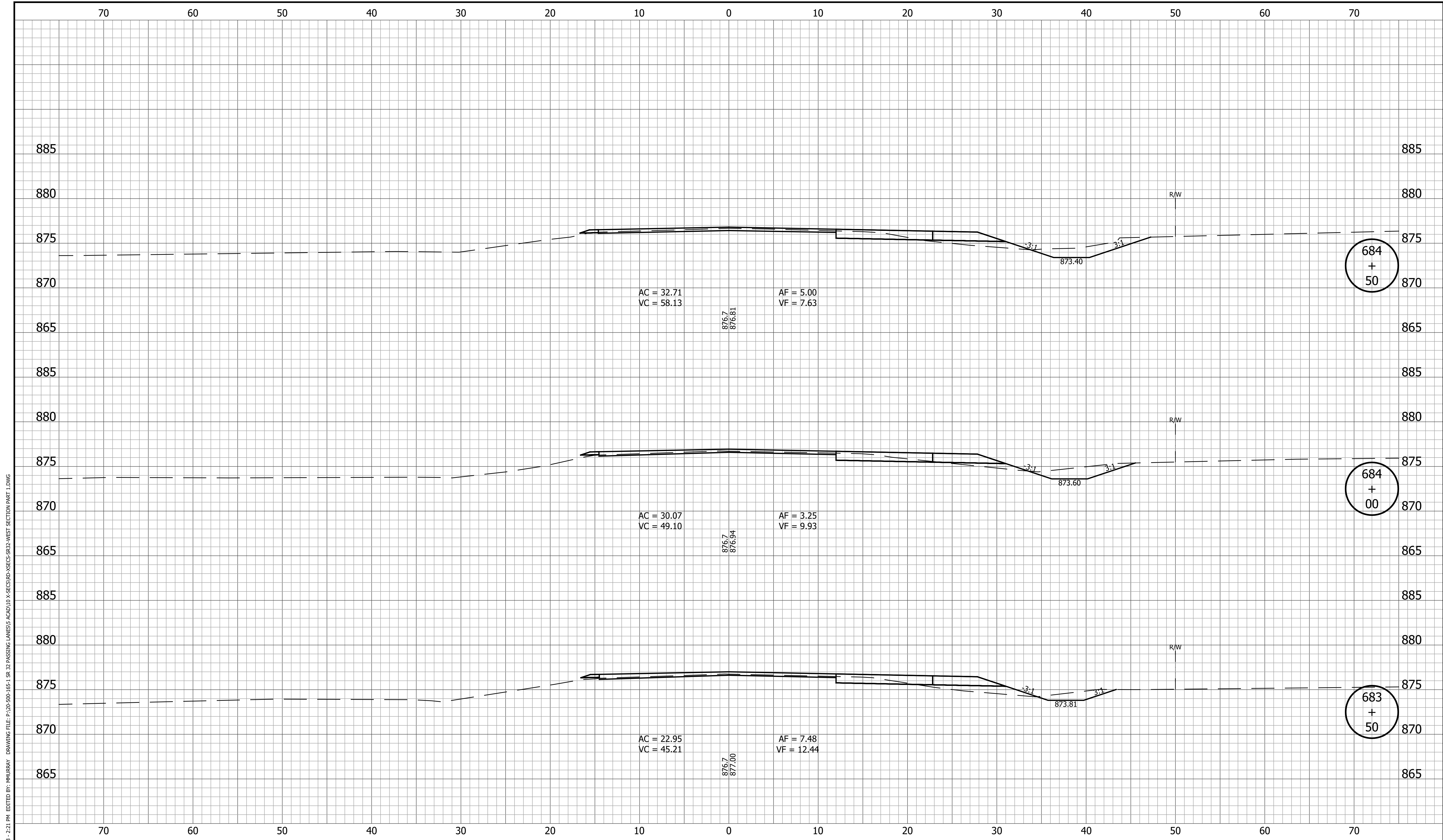


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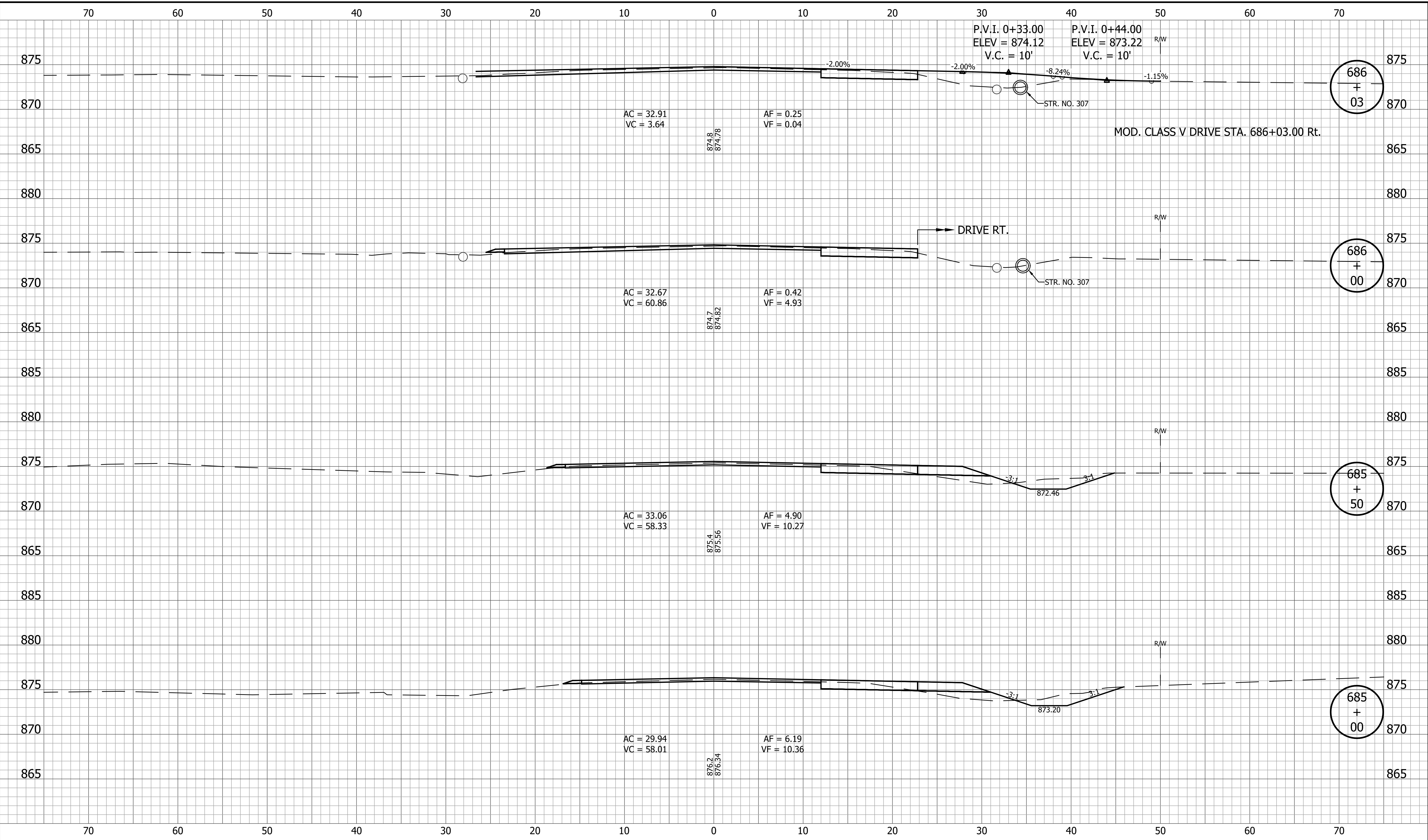
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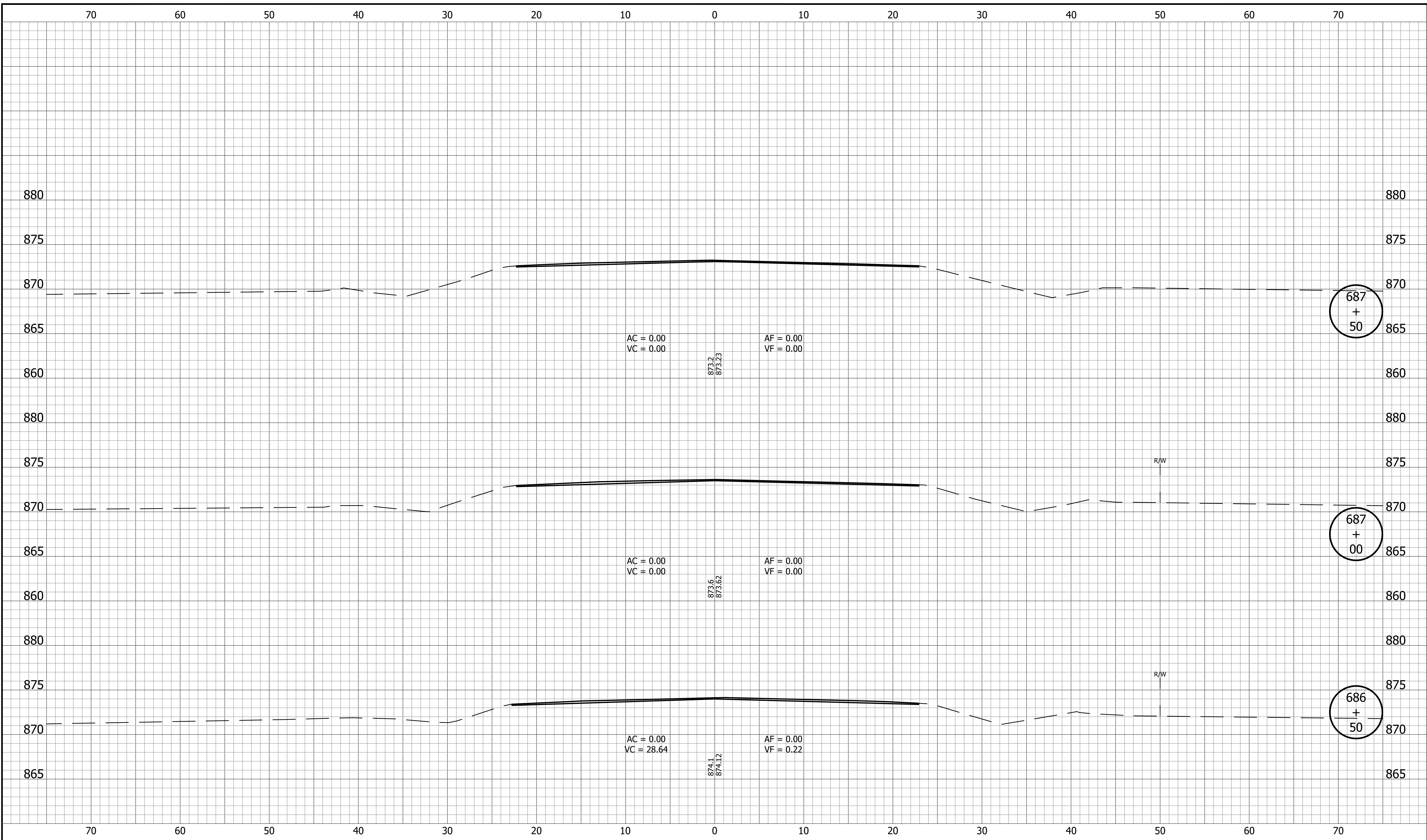
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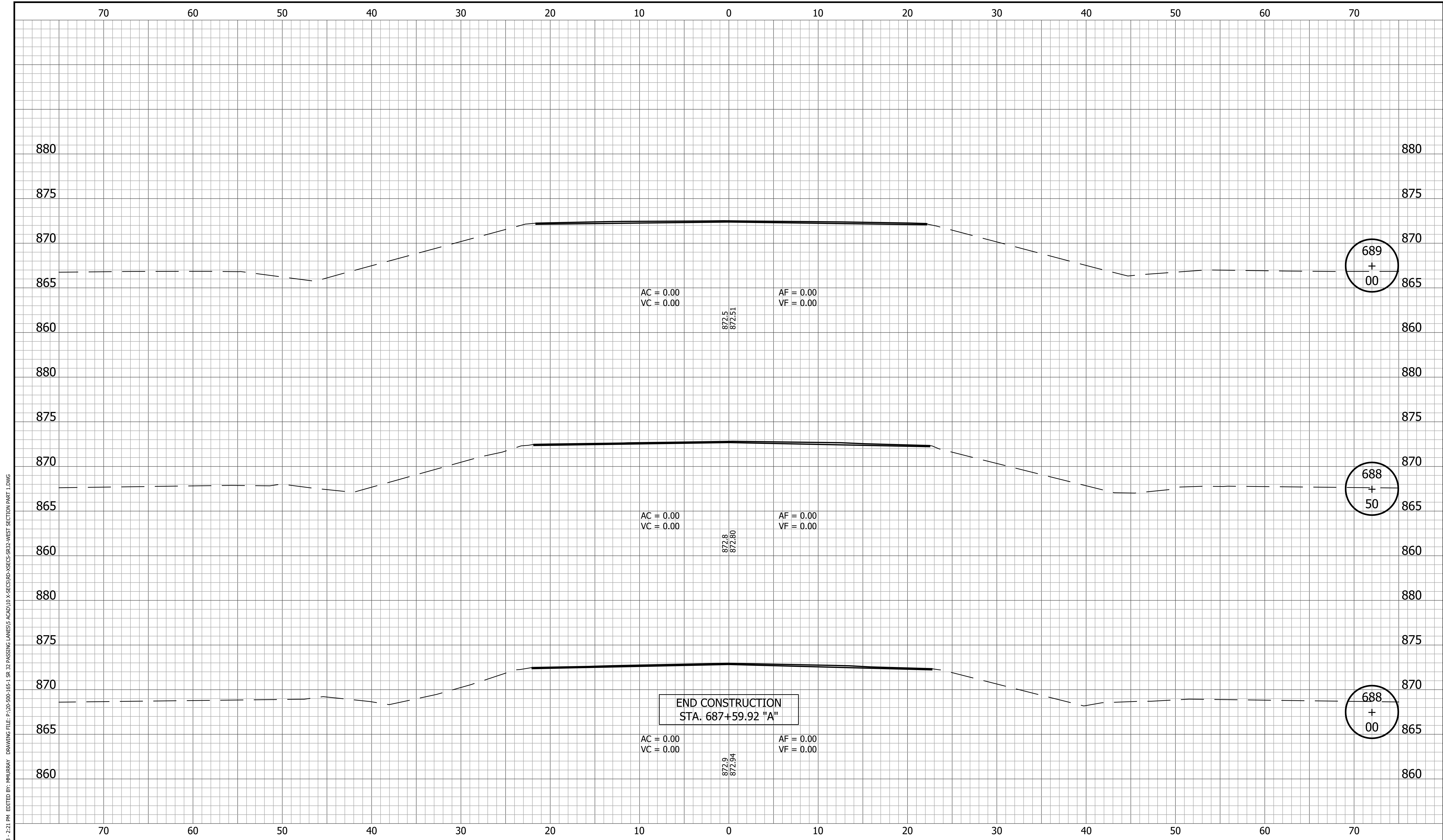


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|  |   |   | CONTRACT<br>R-42253                                      | PROJECT<br>1800060                    |

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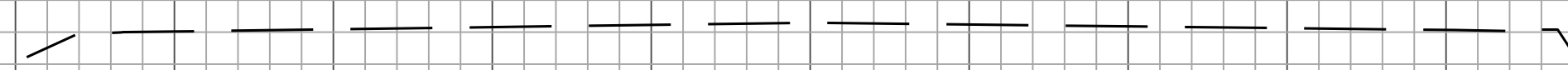
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70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

880  
875  
870  
865

880  
875  
870  
865



AC = 0.00      AF = 0.00  
VC = 0.00      VF = 0.00

END INCIDENTAL CONSTRUCTION  
BEGIN PAVING EXCEPTION  
STA. 689+22.71 "A"

689  
+  
50

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

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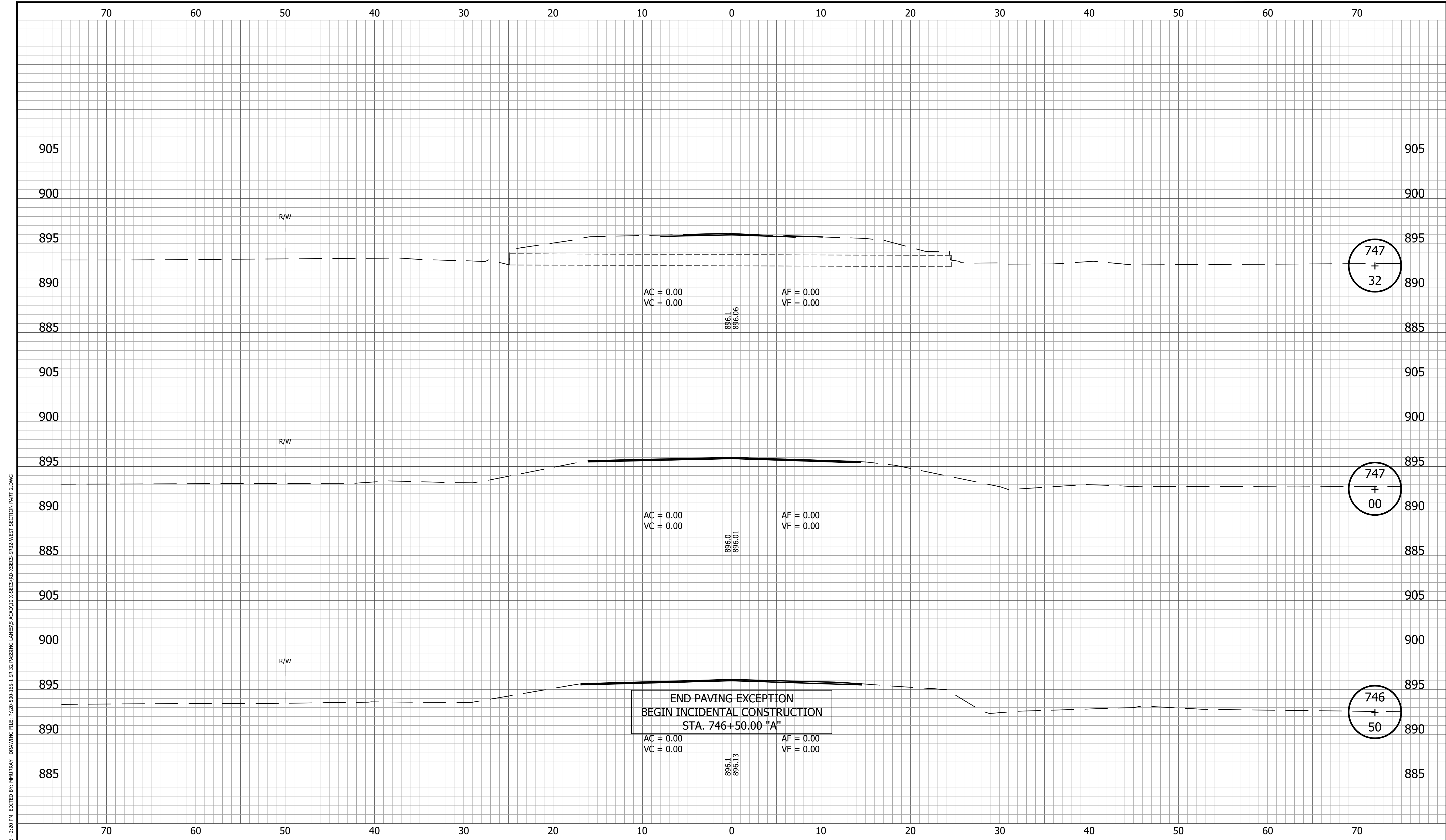
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INDIANA  
DEPARTMENT OF TRANSPORTATION

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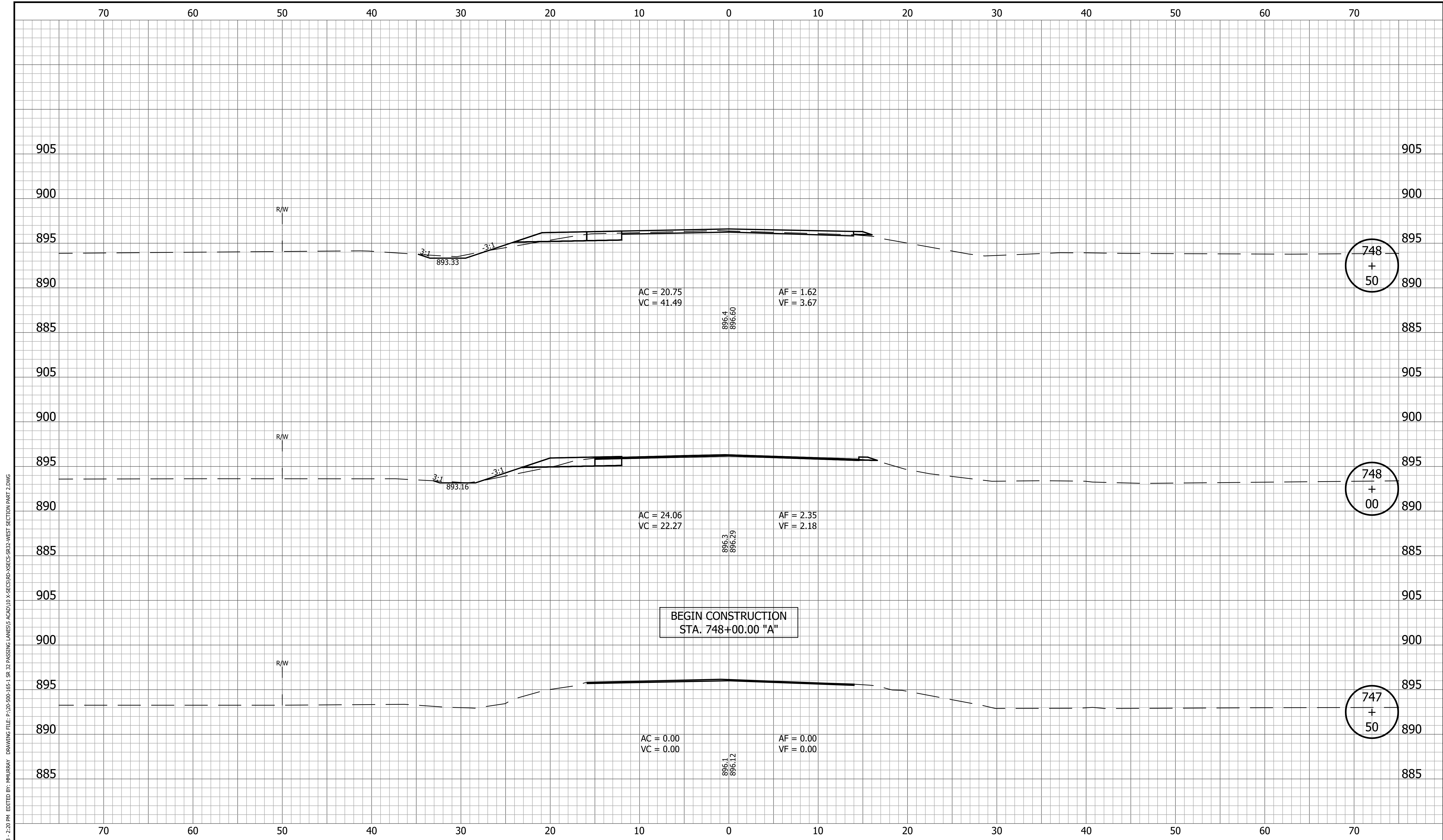
CROSS SECTIONS  
LINE A

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| VERTICAL SCALE<br>1" = 5'   | DESIGNATION<br>1800060 |
| SURVEY BOOK                 | SHEET<br>97 of 173     |
| CONTRACT<br>R-42253         | PROJECT<br>1800060     |



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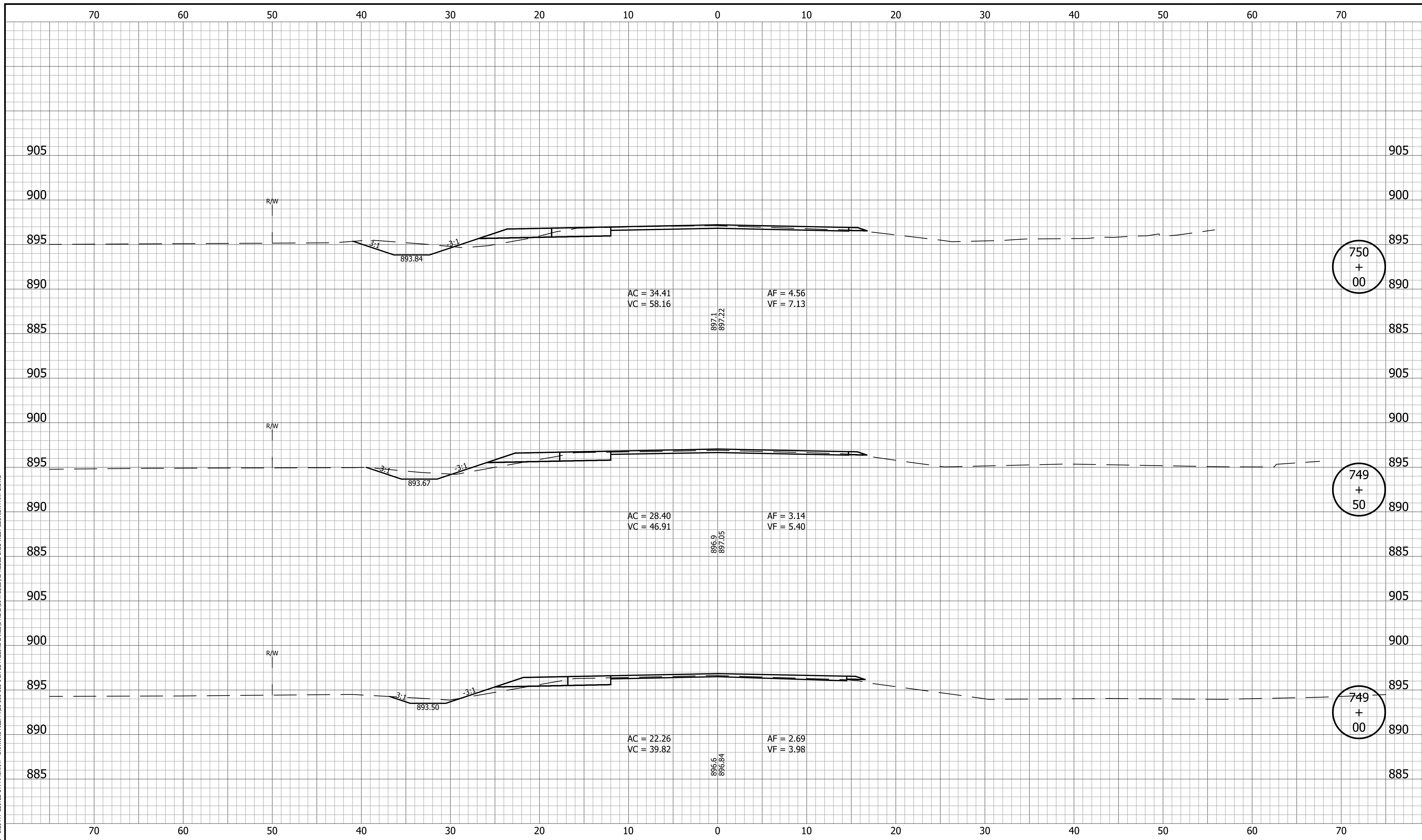
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|                             |                        | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER DATE                            | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b>  |                             |             |                           |                        |             |                    |                     |                    |
|                             |                        | DESIGNED: <u>KRU</u> DRAWN: <u>KRU</u><br>CHECKED: <u>RDS</u> CHECKED: <u>RDS</u> | <b>CROSS SECTIONS<br/>LINE A</b>   |                             |             |                           |                        |             |                    |                     |                    |
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| SURVEY BOOK                 | SHEET<br>98 of 173     |   |  |                             |             |                           |                        |             |                    |                     |                    |
| CONTRACT<br>R-42253         | PROJECT<br>1800060     |   |  |                             |             |                           |                        |             |                    |                     |                    |



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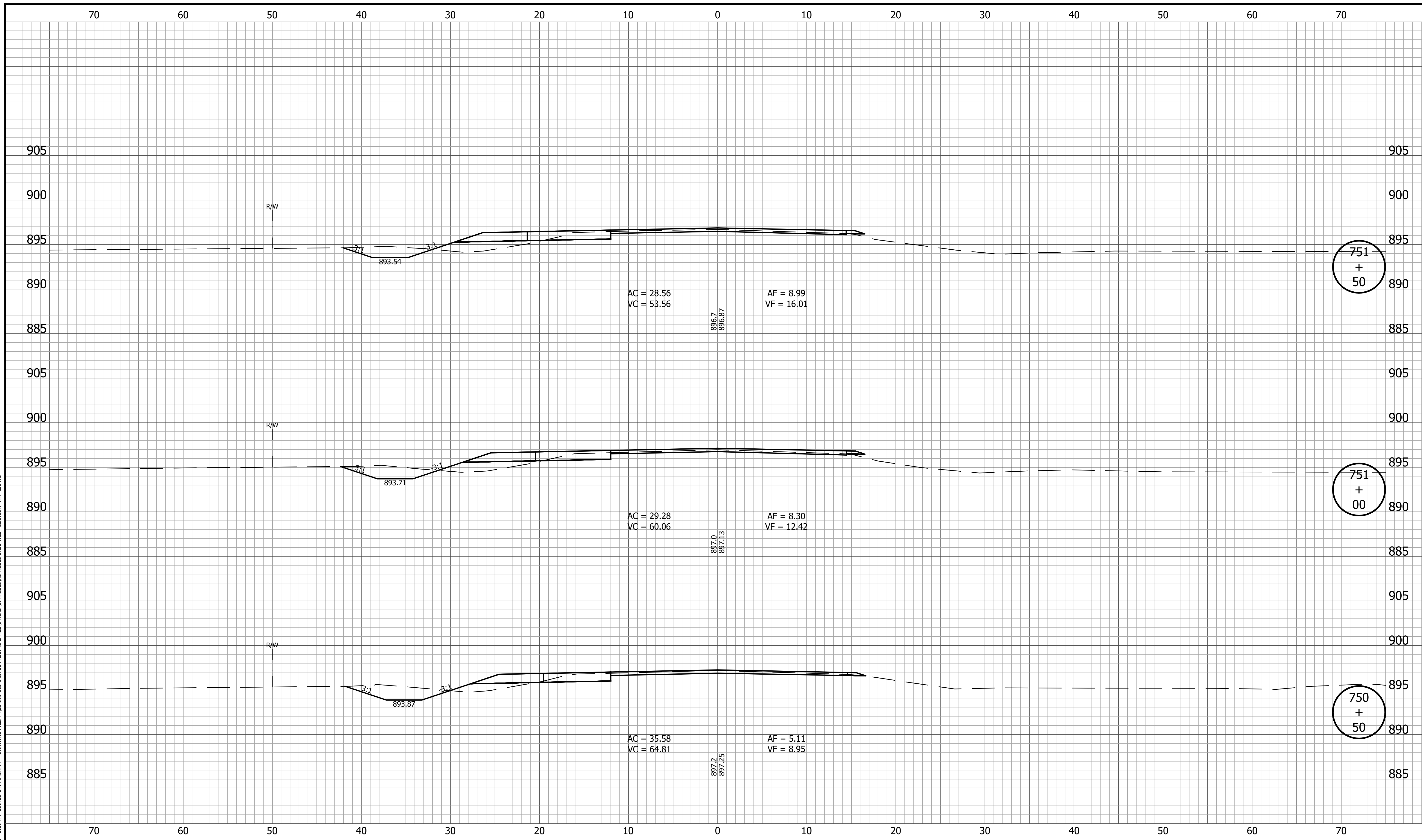
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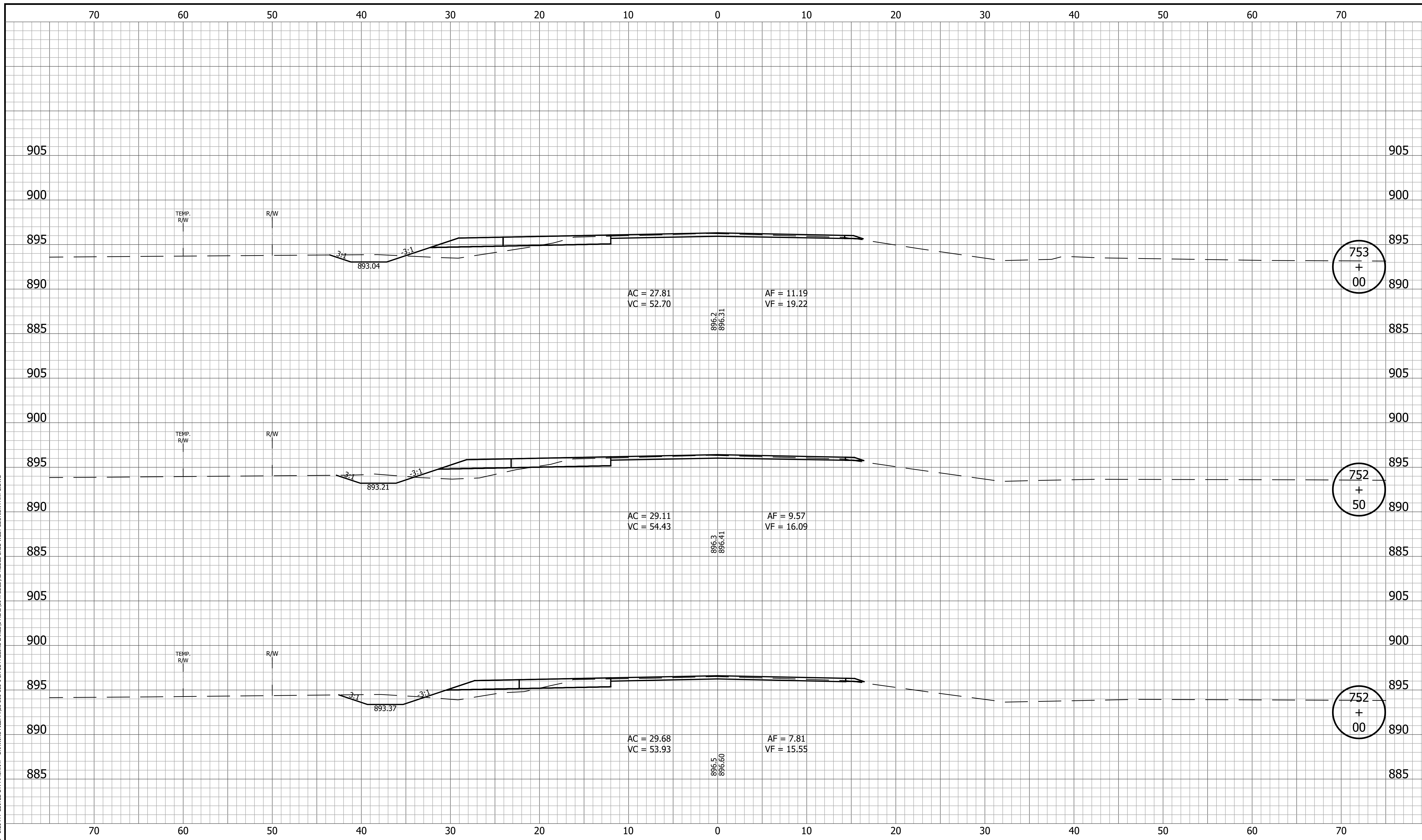
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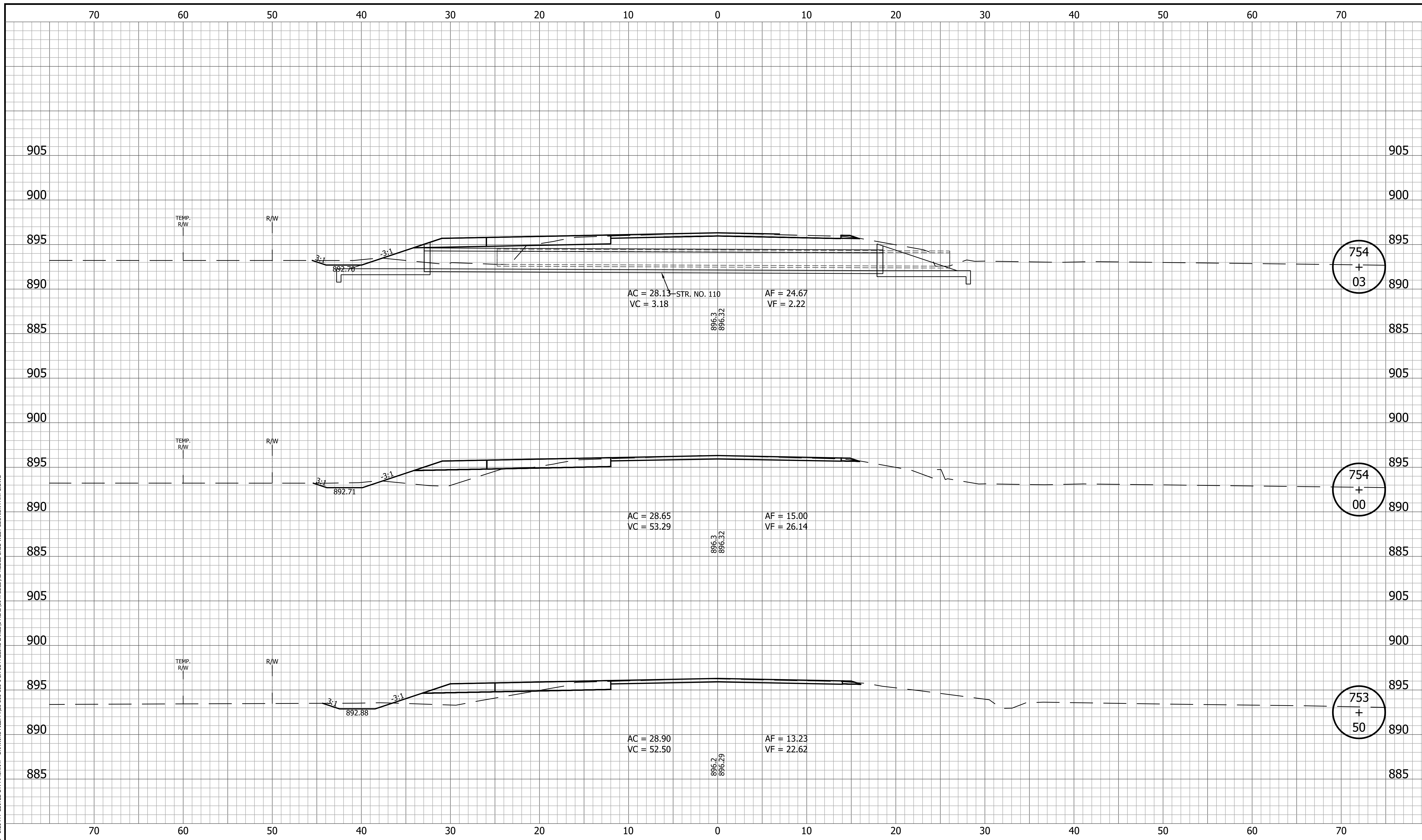
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|                             | 101 of 173             |   |   |                             |             |                           |                        |             |       |  |            |                     |                    |
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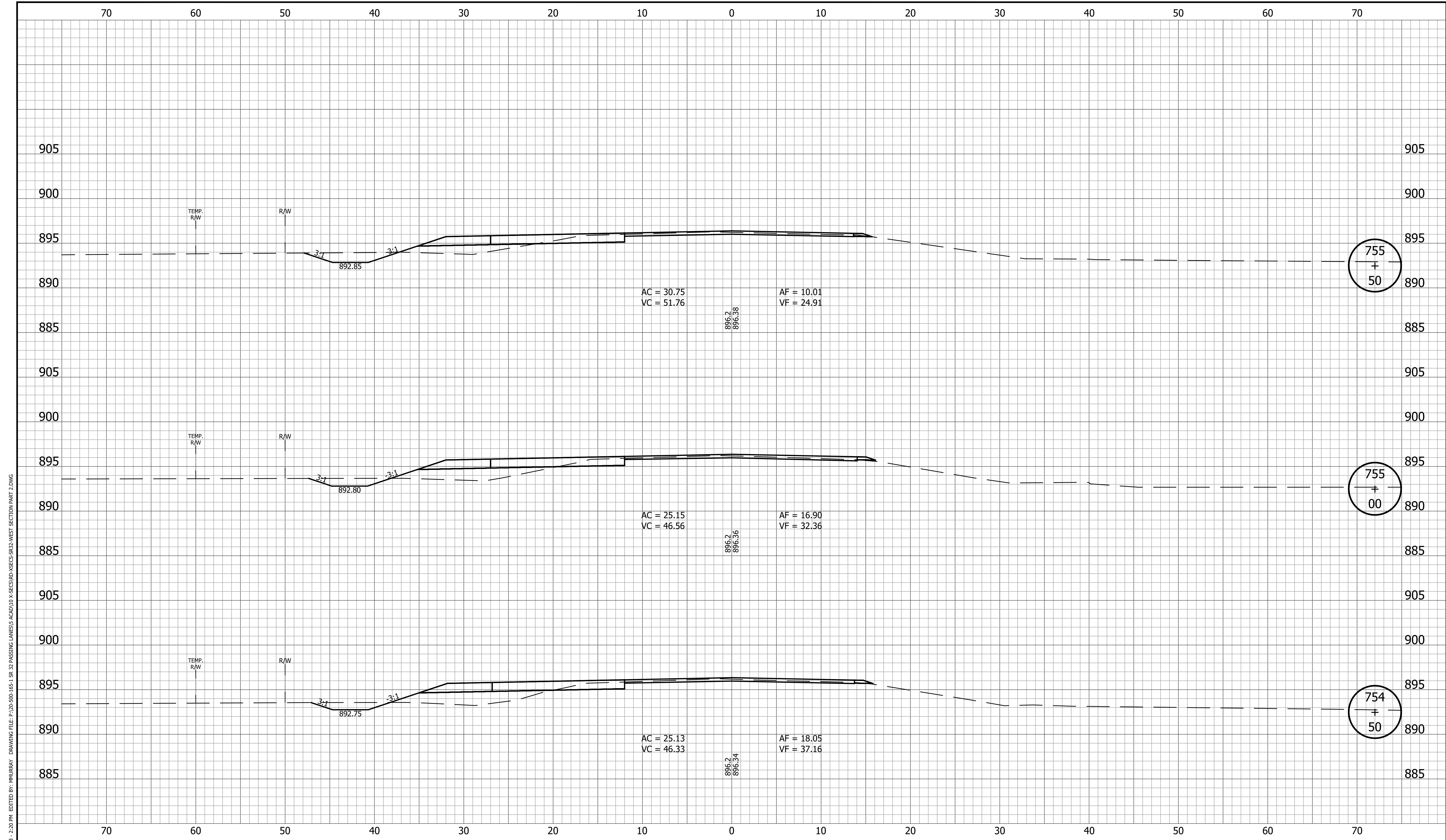


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| HORIZONTAL SCALE<br>1" = 5' | BRIDGE FILE            |   |   |                             |             |                           |                        |             |                     |                     |                    |
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| SURVEY BOOK                 | SHEET<br>102 of 173    |   |   |                             |             |                           |                        |             |                     |                     |                    |
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| SURVEY BOOK                 | SHEET<br>103 of 173    |   |   |                             |             |                           |                        |             |                     |                     |                    |
| CONTRACT<br>R-42253         | PROJECT<br>1800060     |   |   |                             |             |                           |                        |             |                     |                     |                    |

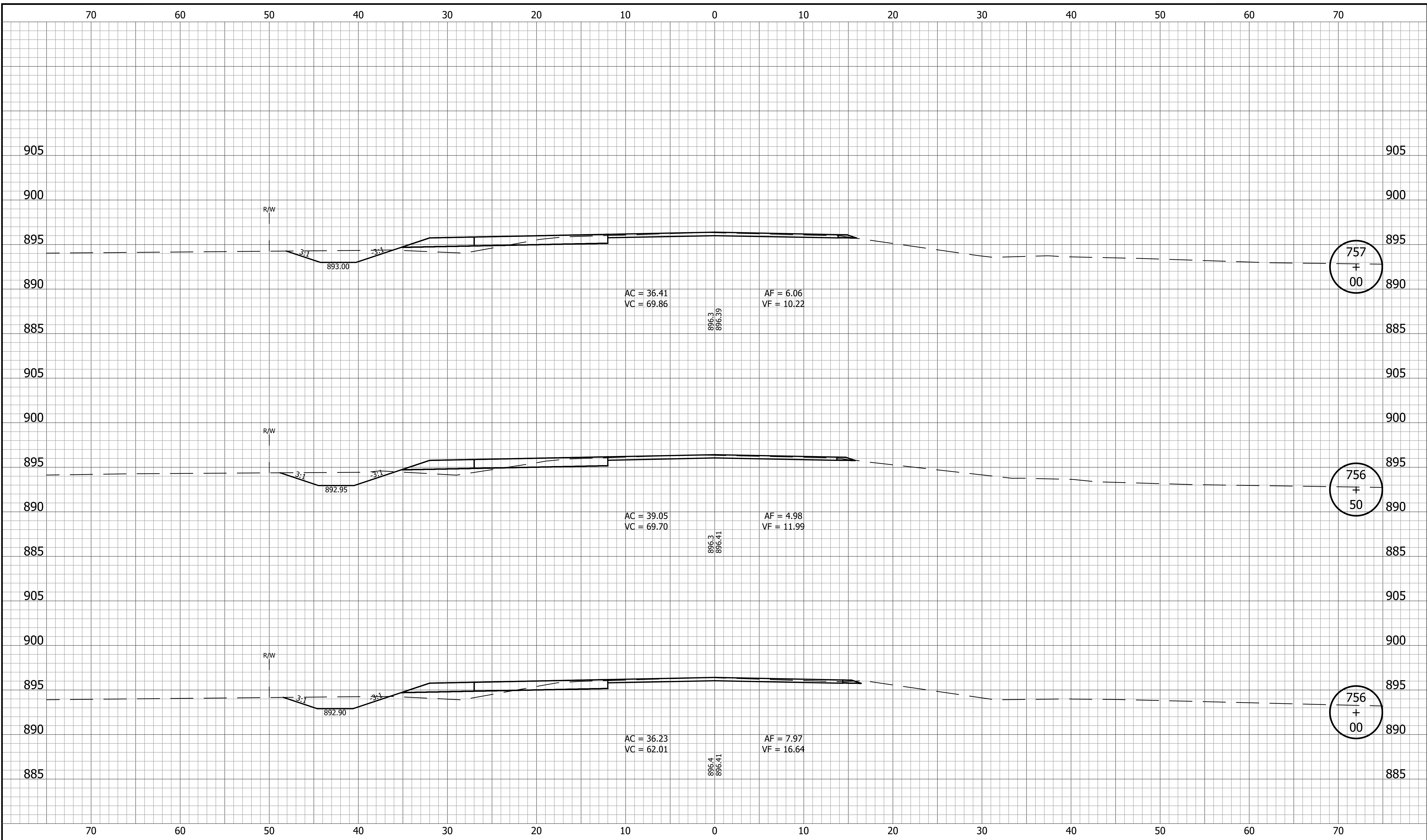


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| SURVEY BOOK                 | SHEET<br>104 of 173    |   |   |                             |             |                           |                        |             |                     |                     |                    |
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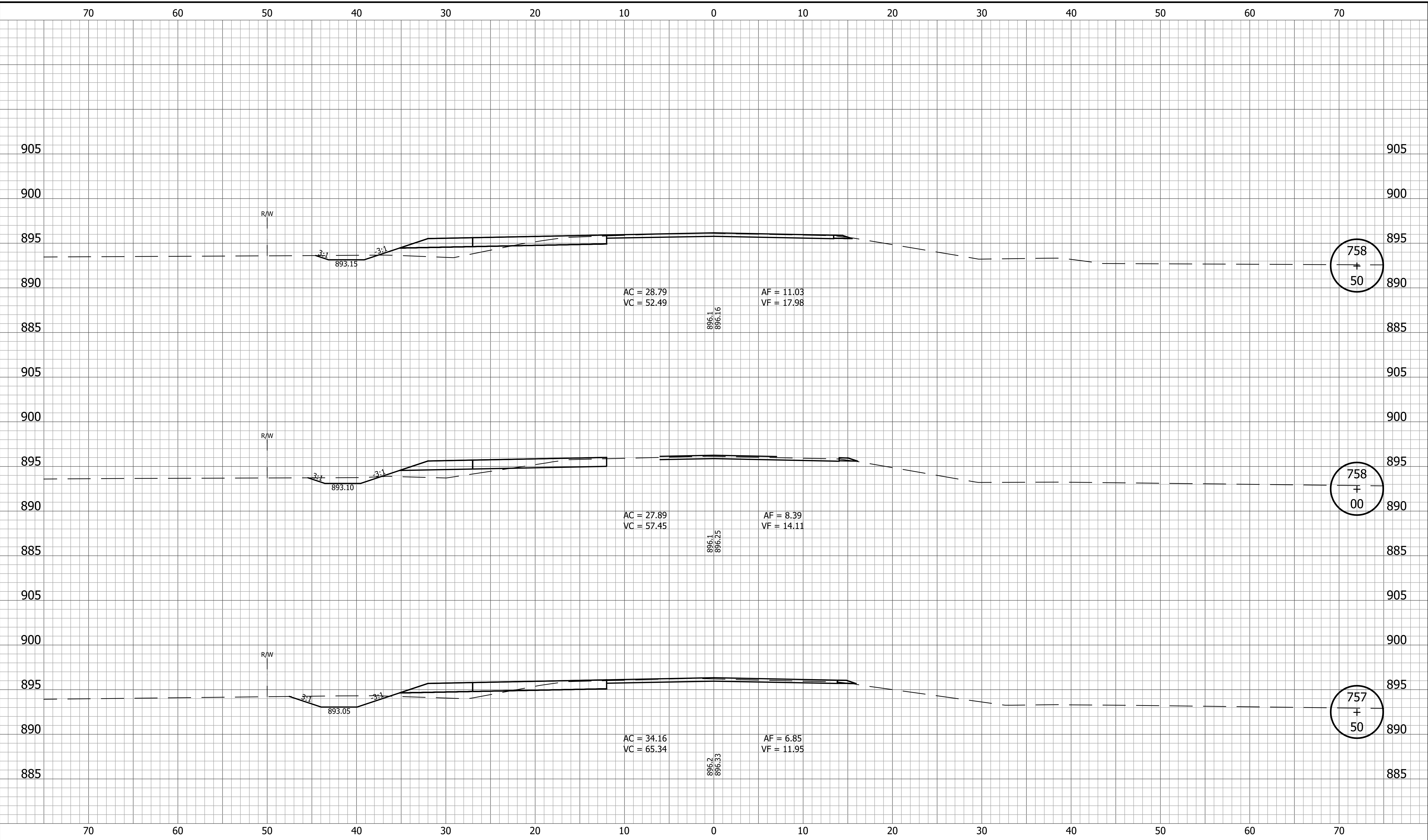


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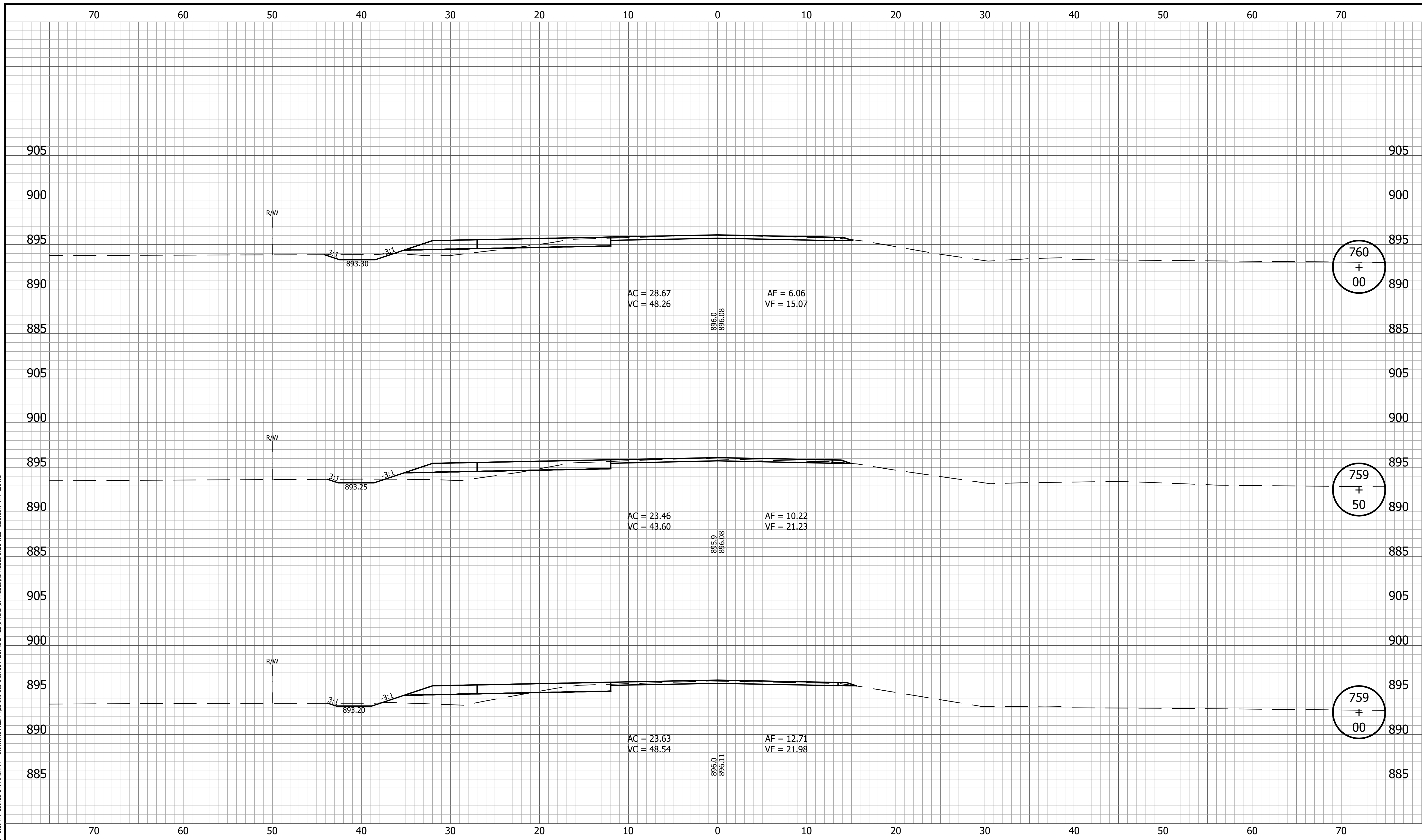
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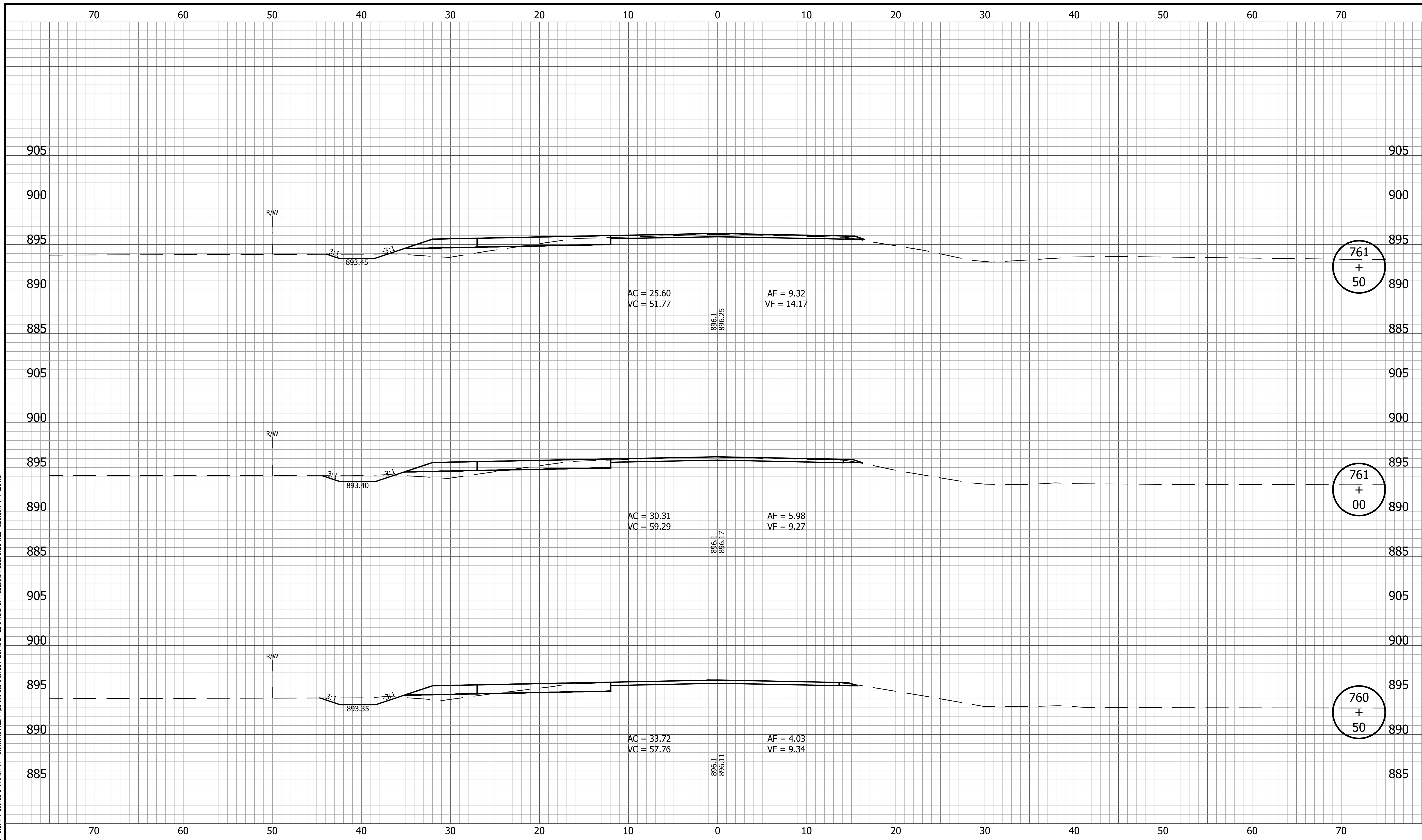
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|  |                     | <b>CROSS SECTIONS<br/>LINE A</b>                | SURVEY BOOK<br>106 of 173<br>SHEET<br>CONTRACT<br>R-42253<br>PROJECT<br>1800060                   |
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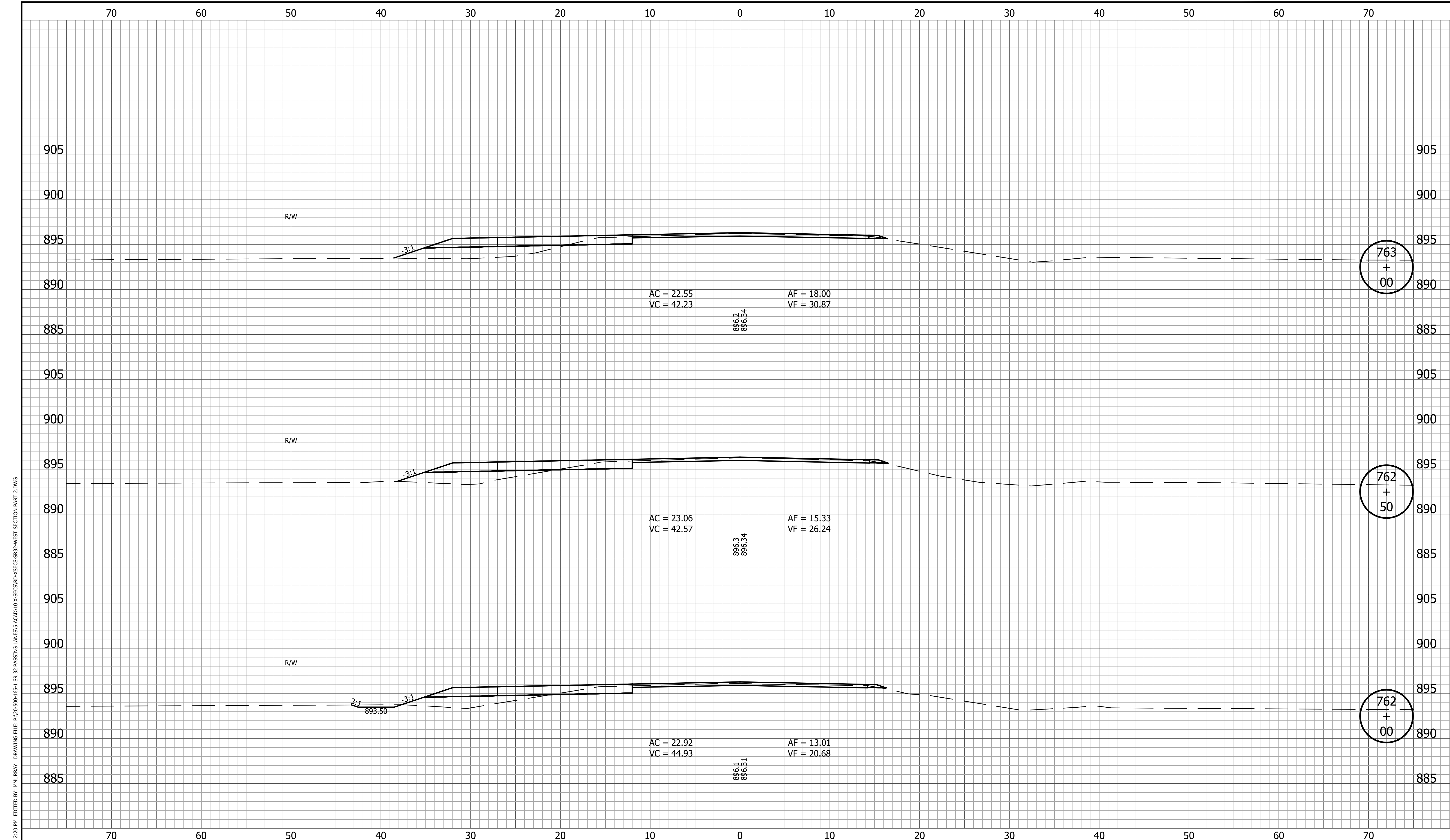


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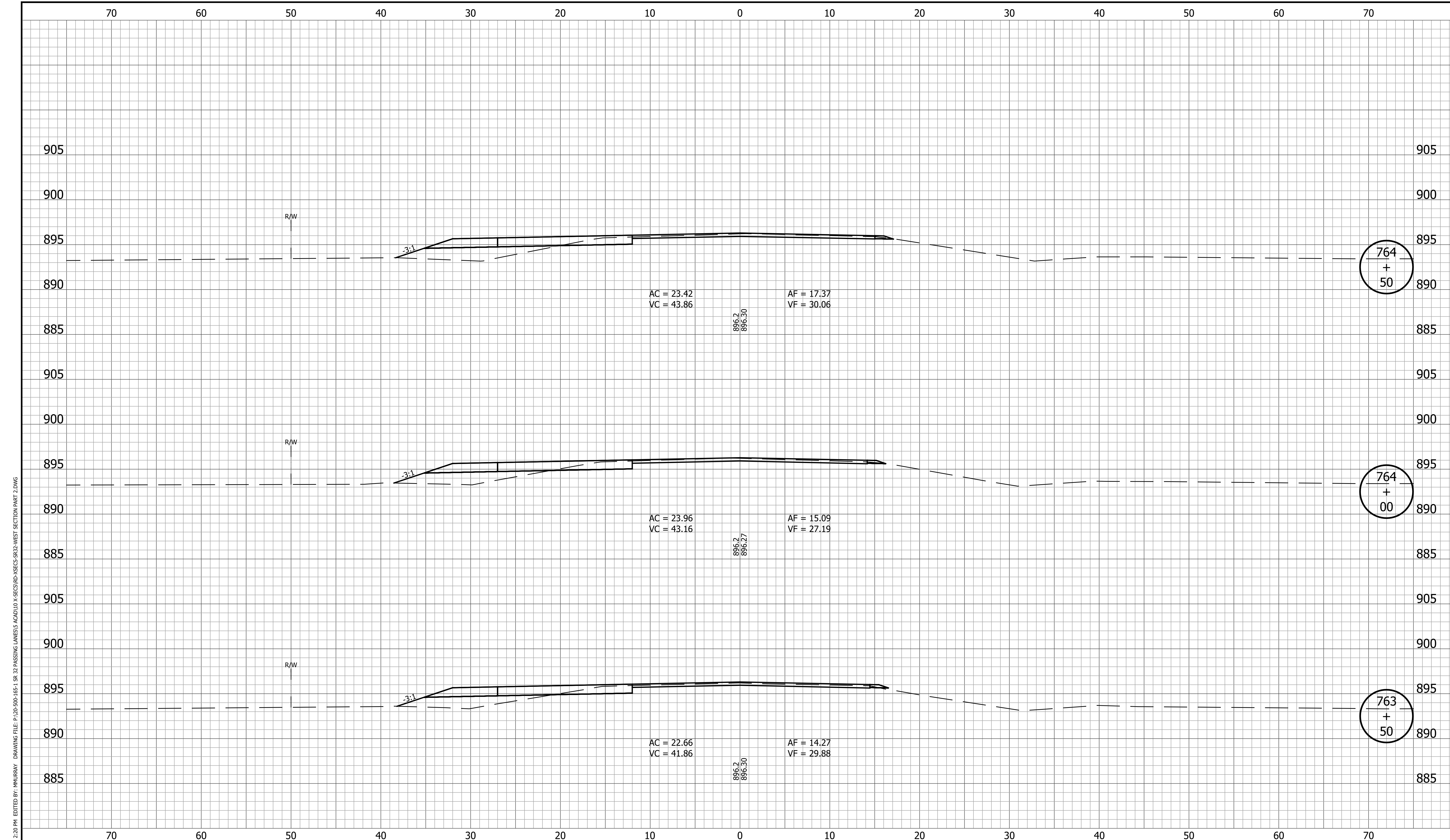


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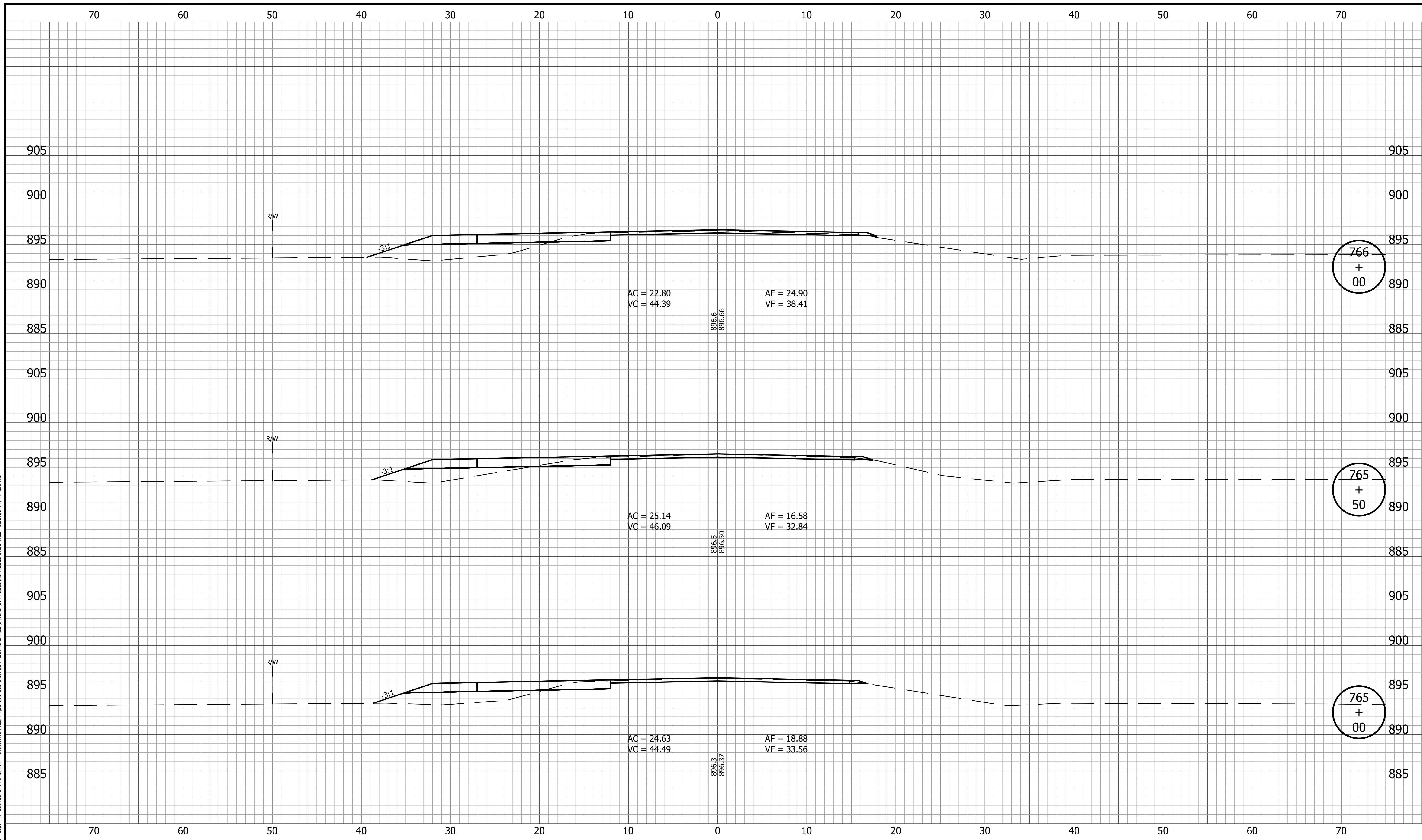
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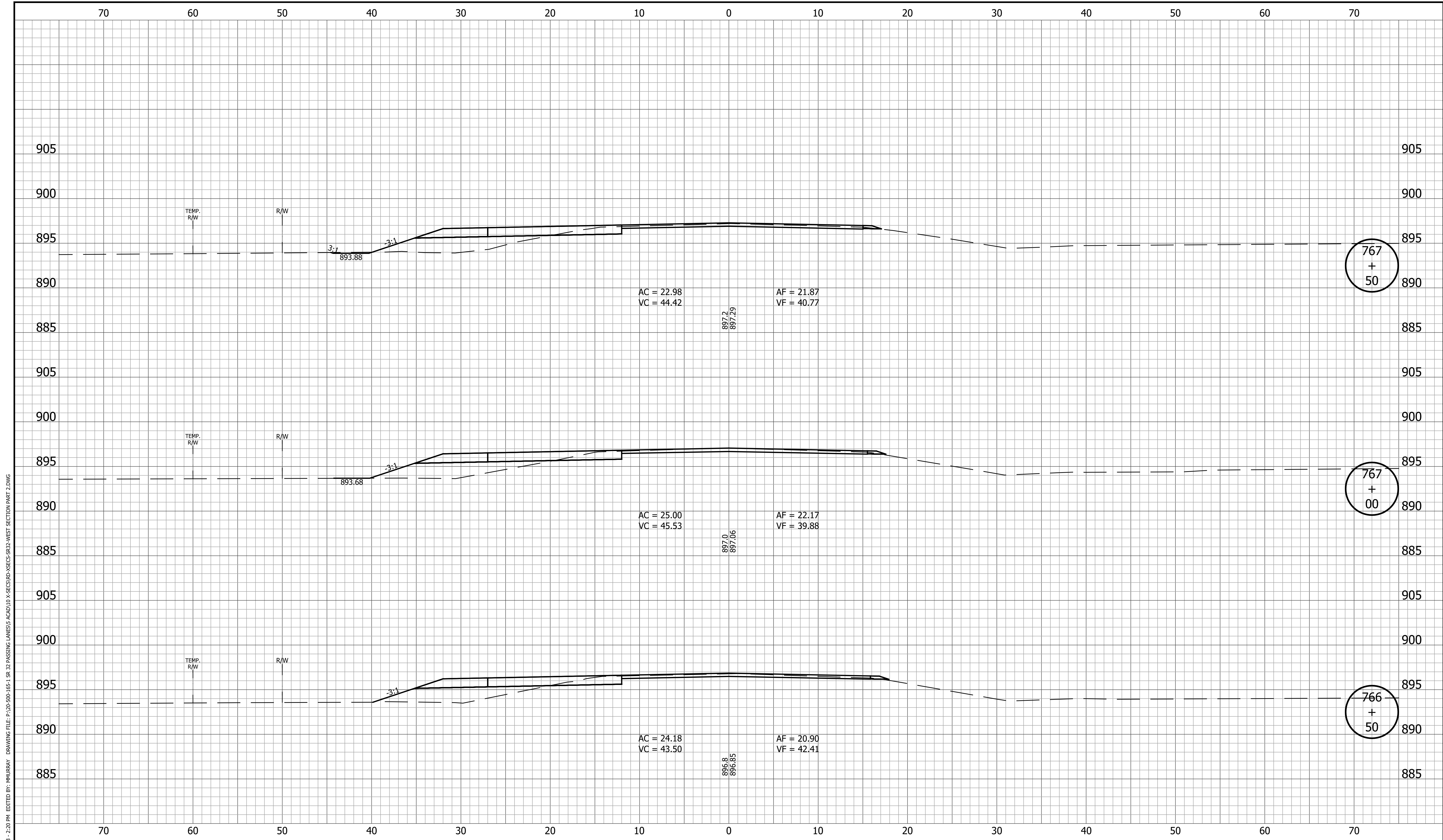
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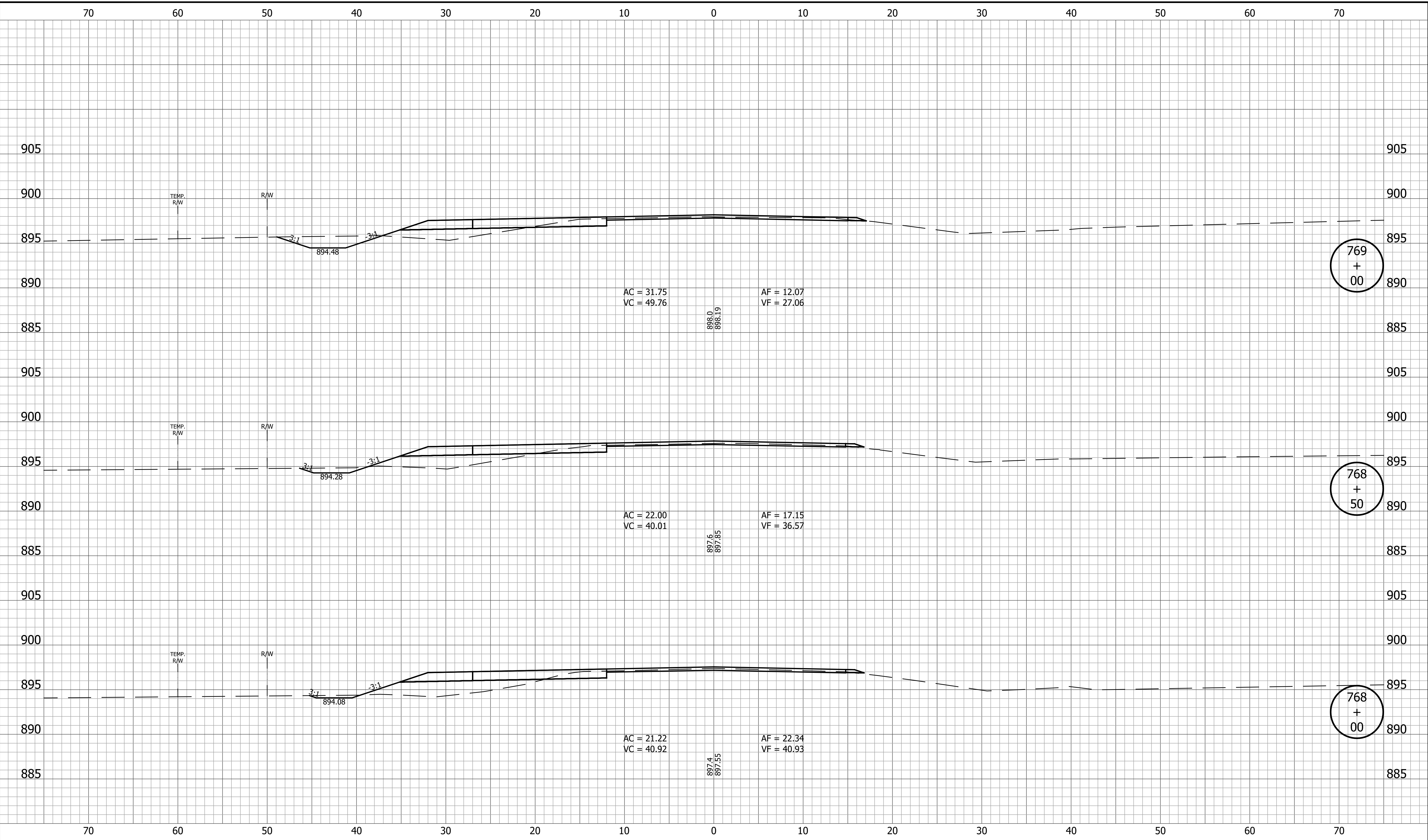


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|  |                     | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b> | HORIZONTAL SCALE<br>1" = 5'<br>VERTICAL SCALE<br>1" = 5'<br>BRIDGE FILE<br>DESIGNATION<br>1800060 |
|  |                     | <b>CROSS SECTIONS LINE A</b>                | SURVEY BOOK<br>112 of 173<br>SHEET<br>PROJECT<br>R-42253 1800060                                  |
| RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER _____ DATE _____ |                     |   |   |
| DESIGNED: <u>KRU</u>   | DRAWN: <u>KRU</u>   |   |   |
| CHECKED: <u>RDS</u>  | CHECKED: <u>RDS</u> |   |   |



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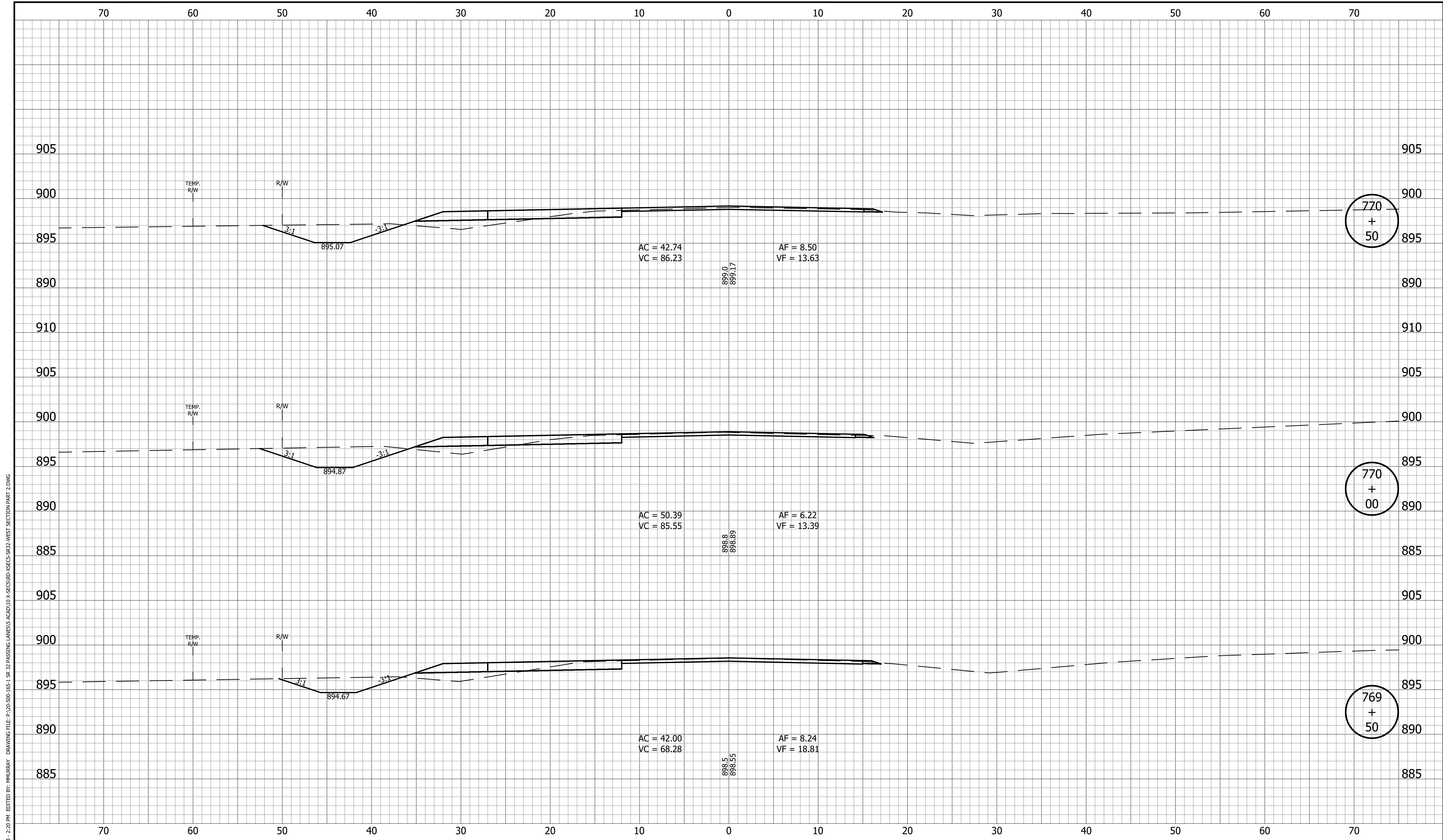


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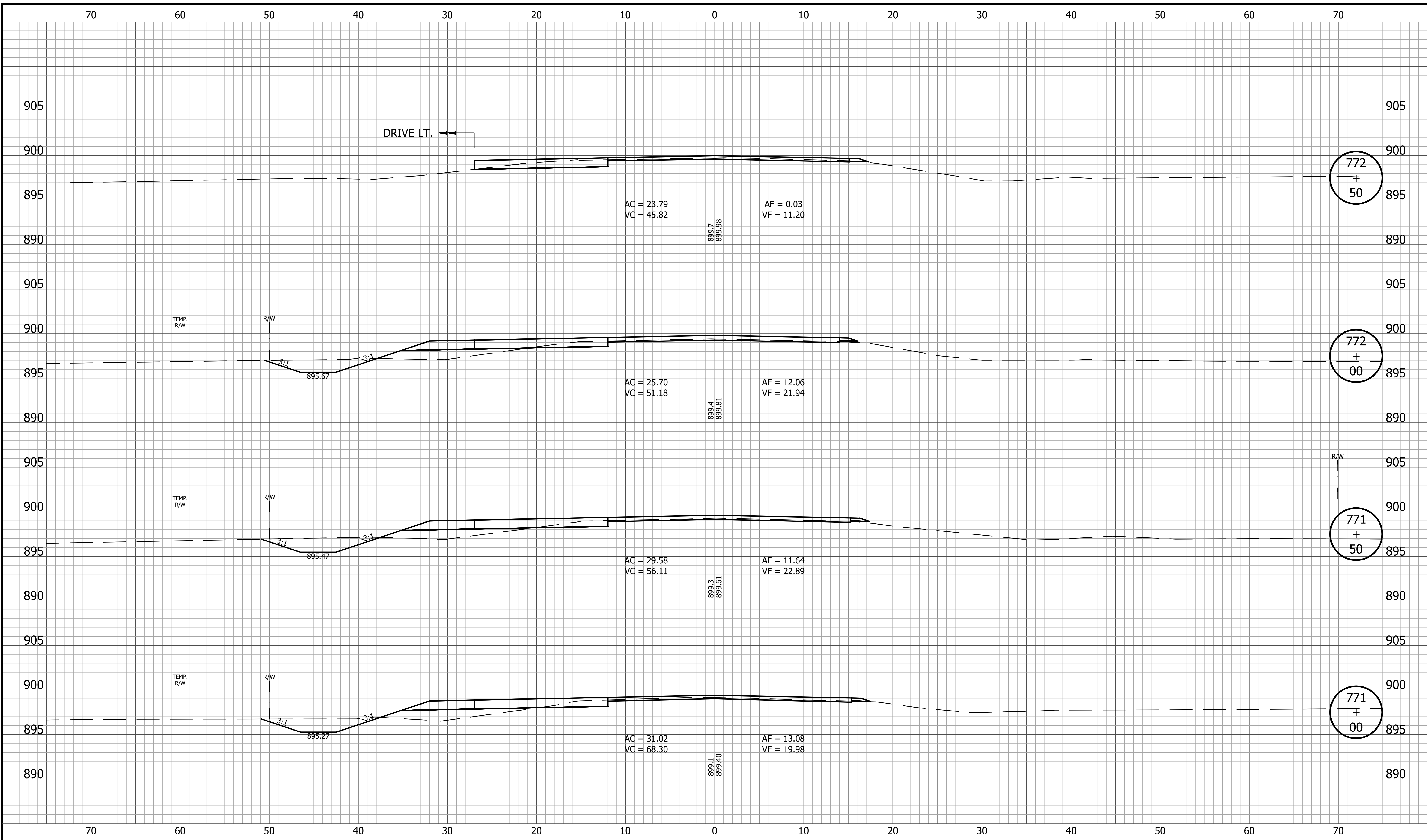
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|  | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER DATE                            | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b> | HORIZONTAL SCALE<br>1" = 5'<br>VERTICAL SCALE<br>1" = 5'<br>BRIDGE FILE                                     |
|  | DESIGNED: <u>KRU</u> DRAWN: <u>KRU</u><br>CHECKED: <u>RDS</u> CHECKED: <u>RDS</u> | <b>CROSS SECTIONS<br/>LINE A</b>            | DESIGNATION<br>1800060<br>SURVEY BOOK<br>SHEET<br>113 of 173<br>CONTRACT<br>PROJECT<br>R-42253      1800060 |



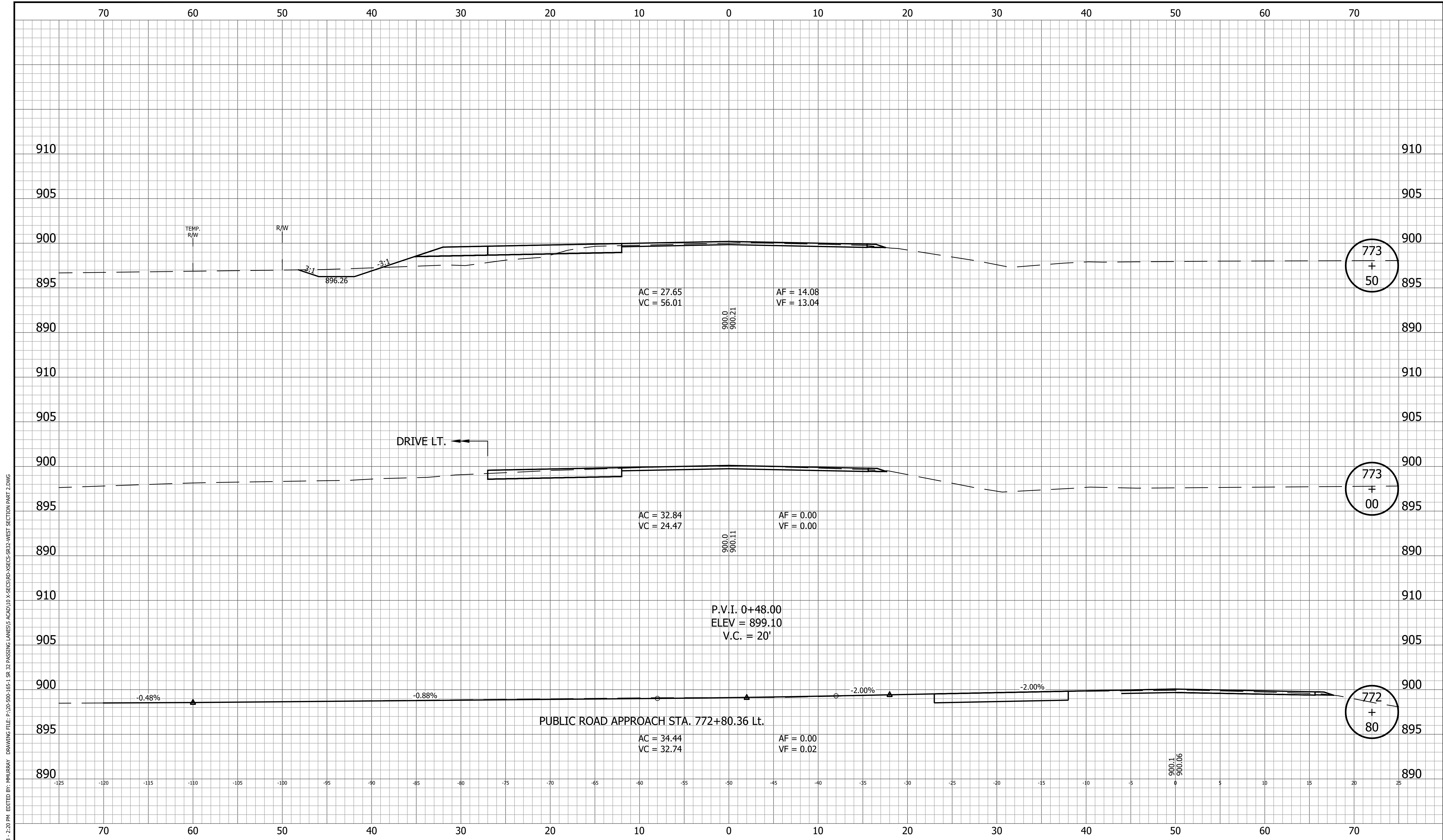
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|  |  |  |  |                                       |
|--|--|--|--|---------------------------------------|
|  |  | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b>            | HORIZONTAL SCALE<br>1" = 5'<br>VERTICAL SCALE<br>1" = 5' | BRIDGE FILE<br>DESIGNATION<br>1800060 |
|  |  | <b>CROSS SECTIONS LINE A</b>                           | SURVEY BOOK<br>114 of 173                                | SHEET<br>PROJECT<br>1800060           |
|  |  | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER DATE |  |                                       |
|  |  | DESIGNED: <u>KRU</u><br>CHECKED: <u>RDS</u>            |  |                                       |
|  |  | DRAWN: <u>KRU</u><br>CHECKED: <u>RDS</u>               |  |                                       |

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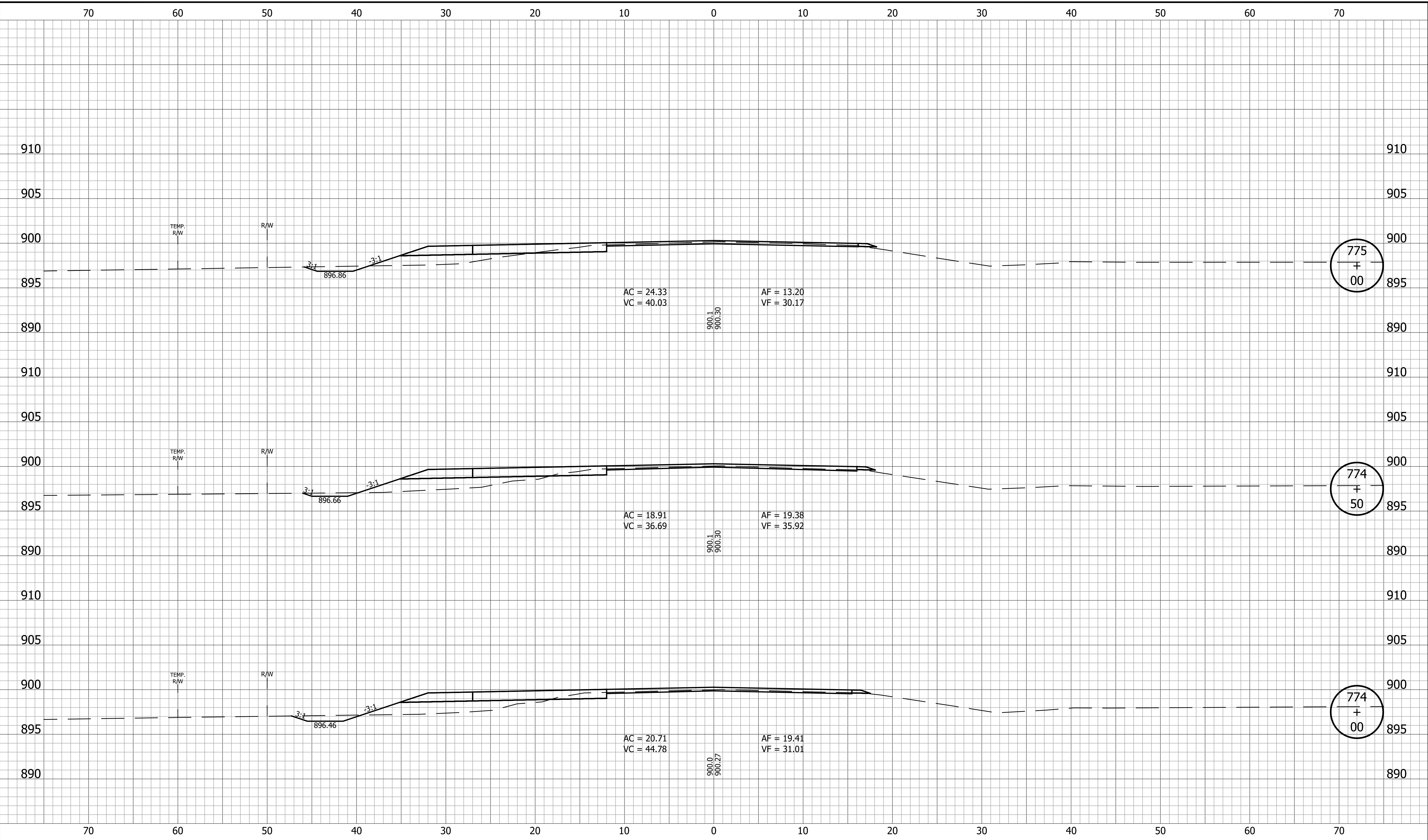
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|--|---------------------|---|---|------------------|-------------|---------|--|----------------|-------------|---------|---------|-------------|-------|--|------------|----------|---------|---------|---------|
|  |                     | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b> | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: small;">HORIZONTAL SCALE</td> <td style="font-size: small;">BRIDGE FILE</td> </tr> <tr> <td style="font-size: small;">1" = 5'</td> <td></td> </tr> <tr> <td style="font-size: small;">VERTICAL SCALE</td> <td style="font-size: small;">DESIGNATION</td> </tr> <tr> <td style="font-size: small;">1" = 5'</td> <td style="text-align: center;">1800060</td> </tr> <tr> <td style="font-size: small;">SURVEY BOOK</td> <td style="font-size: small;">SHEET</td> </tr> <tr> <td></td> <td style="text-align: center;">115 of 173</td> </tr> <tr> <td style="font-size: small;">CONTRACT</td> <td style="font-size: small;">PROJECT</td> </tr> <tr> <td style="font-size: small;">R-42253</td> <td style="text-align: center;">1800060</td> </tr> </table> | HORIZONTAL SCALE | BRIDGE FILE | 1" = 5' |  | VERTICAL SCALE | DESIGNATION | 1" = 5' | 1800060 | SURVEY BOOK | SHEET |  | 115 of 173 | CONTRACT | PROJECT | R-42253 | 1800060 |
| HORIZONTAL SCALE   | BRIDGE FILE         |   |   |                  |             |         |  |                |             |         |         |             |       |  |            |          |         |         |         |
| 1" = 5'  |                     |   |   |                  |             |         |  |                |             |         |         |             |       |  |            |          |         |         |         |
| VERTICAL SCALE   | DESIGNATION         |   |   |                  |             |         |  |                |             |         |         |             |       |  |            |          |         |         |         |
| 1" = 5'  | 1800060             |   |   |                  |             |         |  |                |             |         |         |             |       |  |            |          |         |         |         |
| SURVEY BOOK  | SHEET               |   |   |                  |             |         |  |                |             |         |         |             |       |  |            |          |         |         |         |
|  | 115 of 173          |   |   |                  |             |         |  |                |             |         |         |             |       |  |            |          |         |         |         |
| CONTRACT   | PROJECT             |   |   |                  |             |         |  |                |             |         |         |             |       |  |            |          |         |         |         |
| R-42253  | 1800060             |   |   |                  |             |         |  |                |             |         |         |             |       |  |            |          |         |         |         |
|  |                     | <b>CROSS SECTIONS LINE A</b>                |   |                  |             |         |  |                |             |         |         |             |       |  |            |          |         |         |         |
| RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER _____ DATE _____ |                     |   |   |                  |             |         |  |                |             |         |         |             |       |  |            |          |         |         |         |
| DESIGNED: <u>KRU</u>   | DRAWN: <u>KRU</u>   |   |   |                  |             |         |  |                |             |         |         |             |       |  |            |          |         |         |         |
| CHECKED: <u>RDS</u>  | CHECKED: <u>RDS</u> |   |   |                  |             |         |  |                |             |         |         |             |       |  |            |          |         |         |         |



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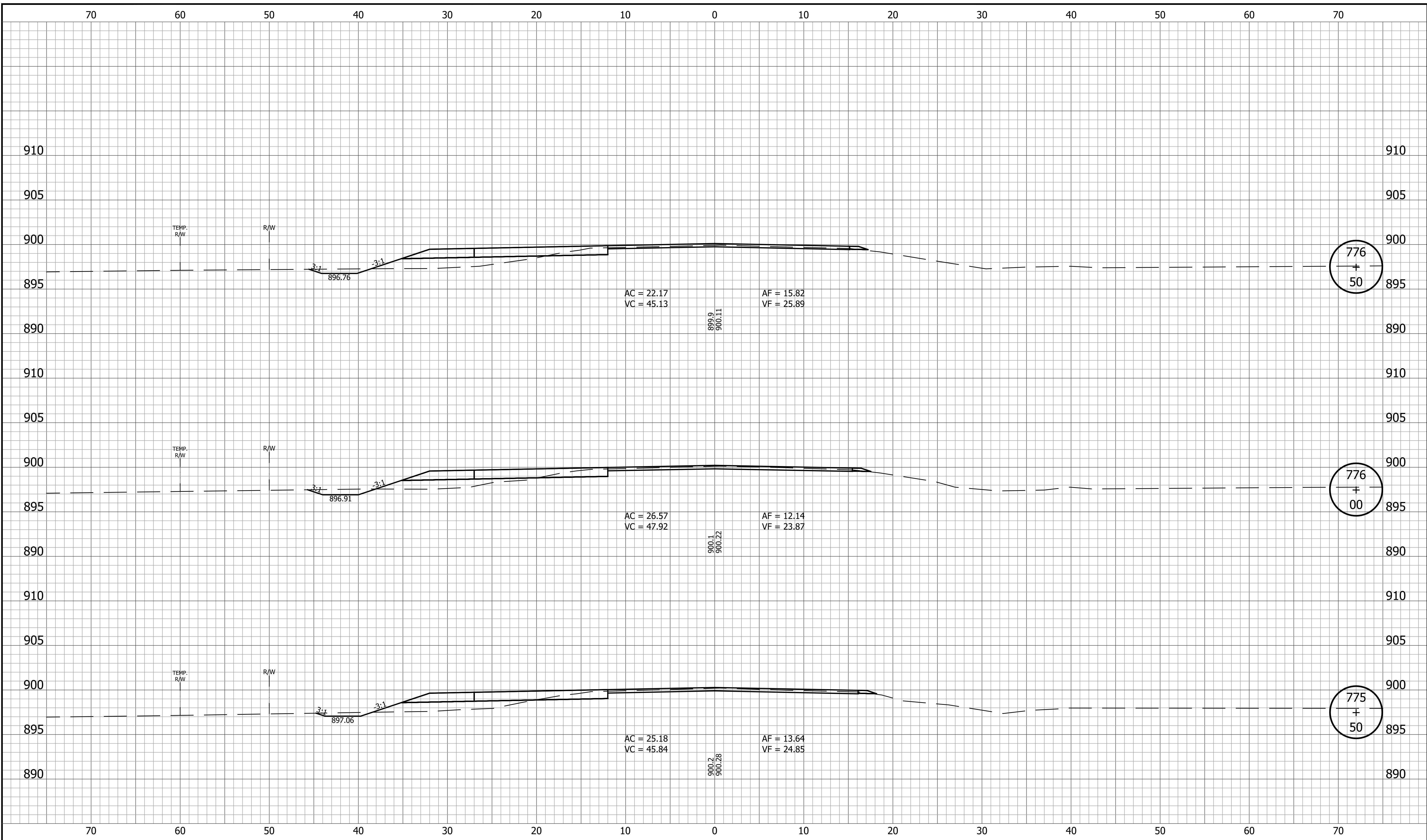
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|  |  | <b>CROSS SECTIONS LINE A</b>  | SURVEY BOOK<br>SHEET<br>116 of 173<br>CONTRACT<br>PROJECT<br>R-42253 1800060                      |
|  |  | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER DATE                            |   |
|  |  | DESIGNED: <u>KRU</u> DRAWN: <u>KRU</u><br>CHECKED: <u>RDS</u> CHECKED: <u>RDS</u> |   |

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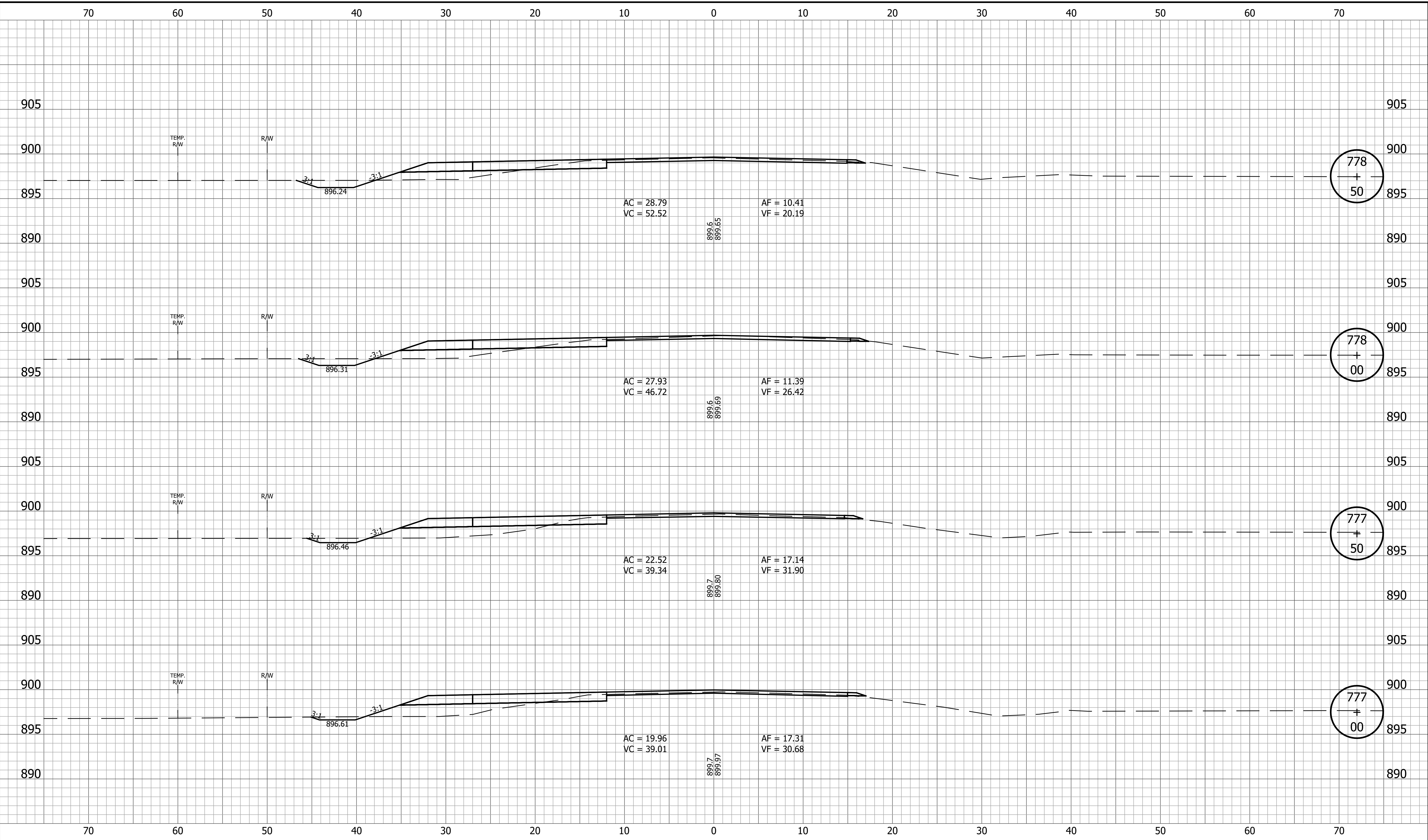
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|  | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER DATE | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b> | HORIZONTAL SCALE<br>1" = 5'<br>VERTICAL SCALE<br>1" = 5'<br>BRIDGE FILE |
|  | DESIGNED: <u>KRU</u> DRAWN: <u>KRU</u>                 | <b>CROSS SECTIONS LINE A</b>                | DESIGNATION<br>1800060  |
|  | CHECKED: <u>RDS</u> CHECKED: <u>RDS</u>                |   | SURVEY BOOK      SHEET<br>_____      117 of 173                         |
|  |  |   | CONTRACT      PROJECT<br>R-42253      1800060                           |

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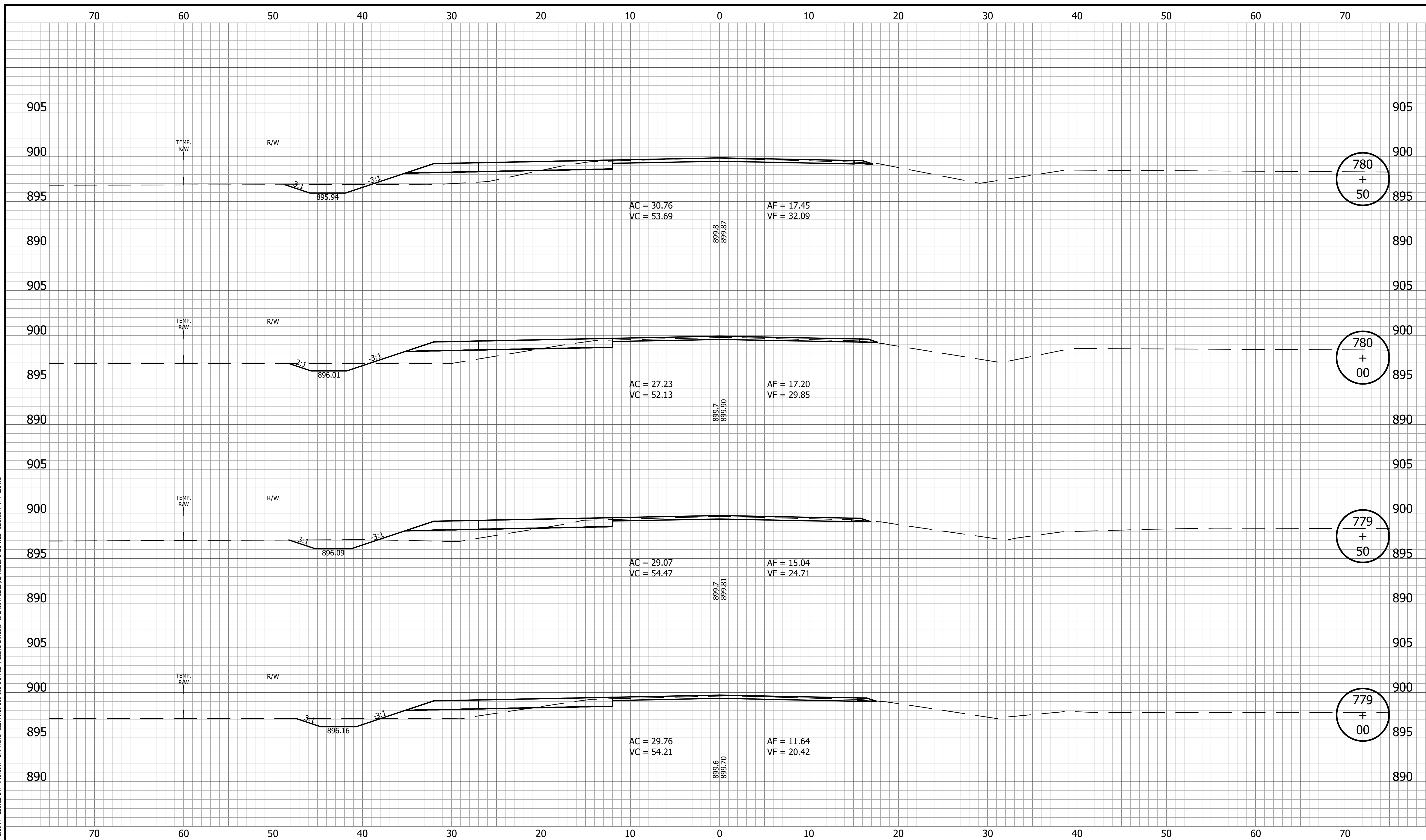
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|  | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER DATE                            | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b> | HORIZONTAL SCALE<br>1" = 5'<br>VERTICAL SCALE<br>1" = 5'<br>BRIDGE FILE                                |
|  | DESIGNED: <u>KRU</u> DRAWN: <u>KRU</u><br>CHECKED: <u>RDS</u> CHECKED: <u>RDS</u> | <b>CROSS SECTIONS<br/>LINE A</b>            | DESIGNATION<br>1800060<br>SURVEY BOOK _____ SHEET<br>118 of 173<br>CONTRACT PROJECT<br>R-42253 1800060 |

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|--|---|---|--|
|  | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER DATE                            | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b> | HORIZONTAL SCALE<br>1" = 5'<br>VERTICAL SCALE<br>1" = 5'<br>BRIDGE FILE                                |
|  | DESIGNED: <u>KRU</u> DRAWN: <u>KRU</u><br>CHECKED: <u>RDS</u> CHECKED: <u>RDS</u> | <b>CROSS SECTIONS<br/>LINE A</b>            | DESIGNATION<br>1800060<br>SURVEY BOOK<br>SHEET<br>119 of 173<br>CONTRACT<br>PROJECT<br>R-42253 1800060 |

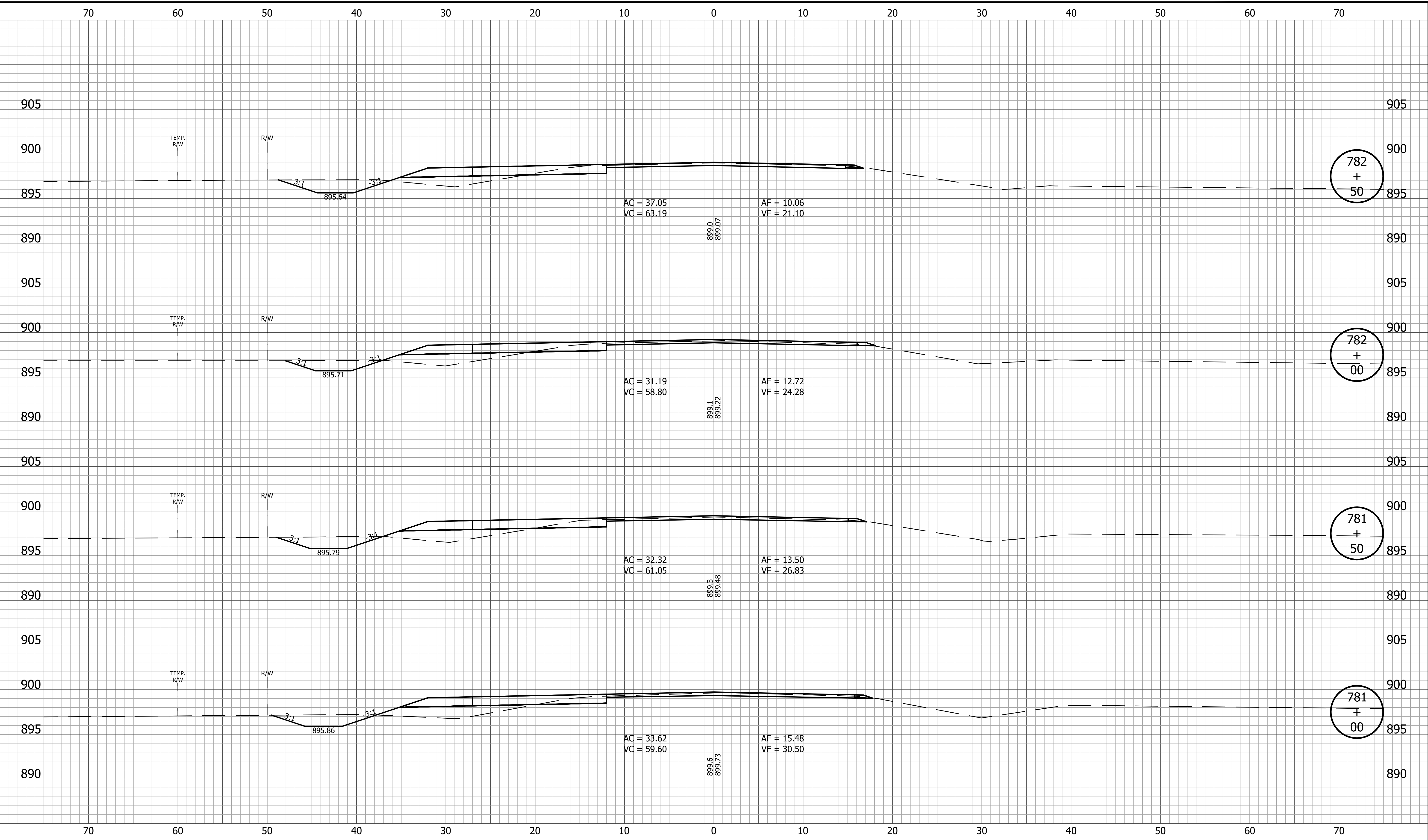
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|--|---|---|--|
|  | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER DATE                            | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b> | HORIZONTAL SCALE<br>1" = 5'<br>VERTICAL SCALE<br>1" = 5'<br>BRIDGE FILE            |
|  | DESIGNED: <u>KRU</u> DRAWN: <u>KRU</u><br>CHECKED: <u>RDS</u> CHECKED: <u>RDS</u> | <b>CROSS SECTIONS<br/>LINE A</b>            | SURVEY BOOK _____ SHEET _____<br>120 of 173<br>CONTRACT PROJECT<br>R-42253 1800060 |

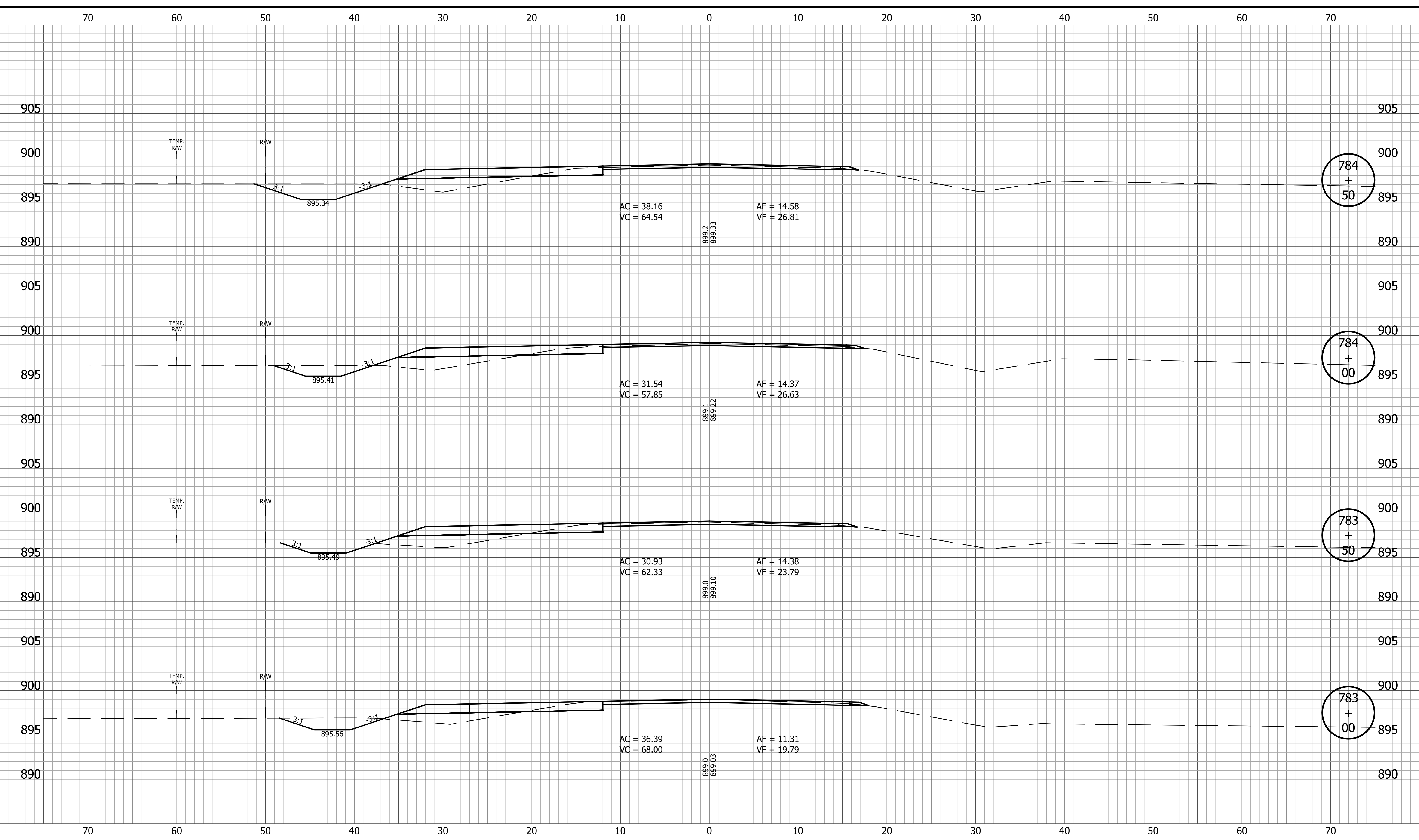


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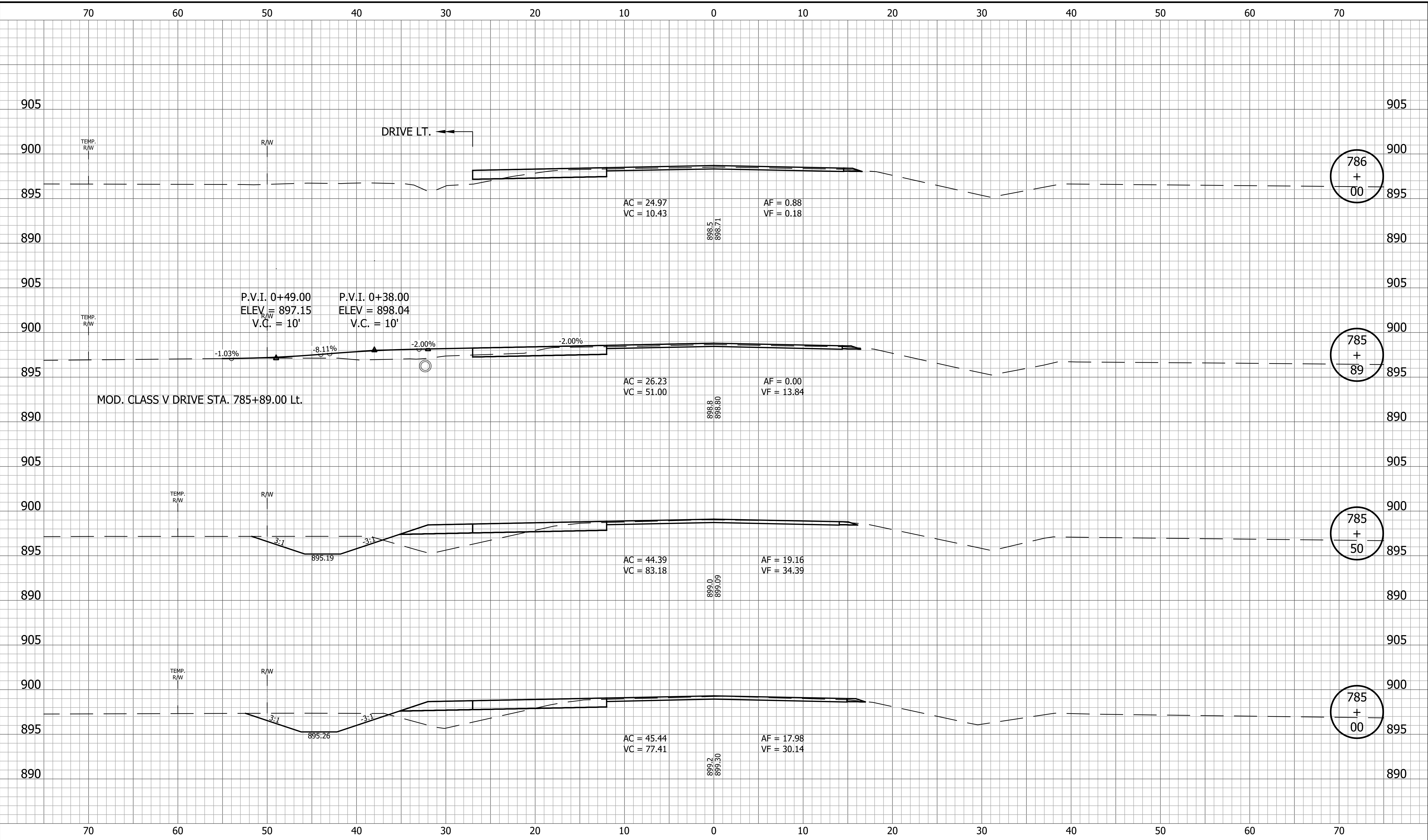
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| RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER _____ DATE _____ | <b>CROSS SECTIONS<br/>LINE A</b> |   | SURVEY BOOK _____ SHEET _____<br>121 of 173<br>CONTRACT R-42253 PROJECT 1800060                   |
| DESIGNED: <u>KRU</u>   | DRAWN: <u>KRU</u>                |   |   |
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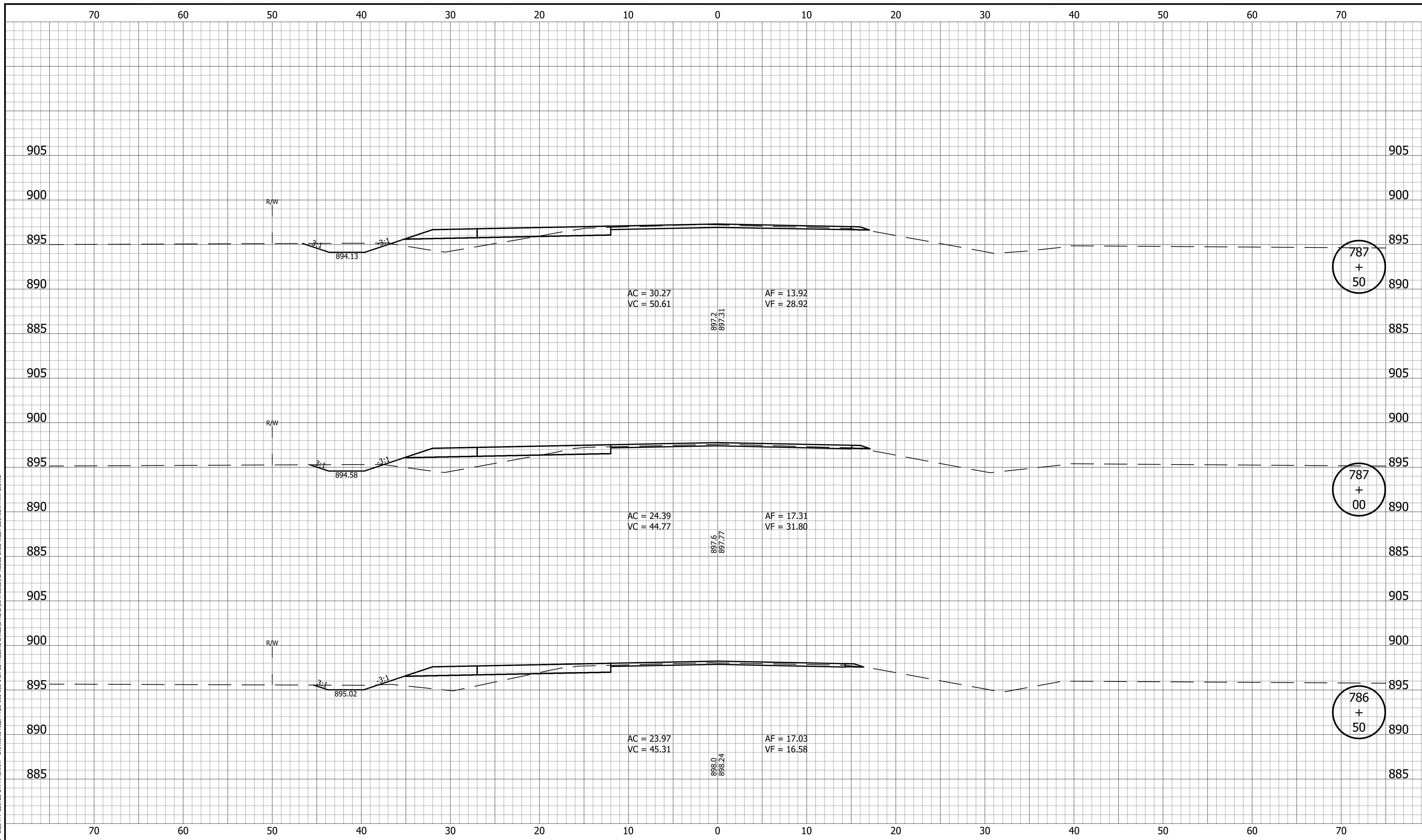
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|  |                                  | <b>INDIANA<br/>DEPARTMENT OF TRANSPORTATION</b> | HORIZONTAL SCALE<br>1" = 5'<br>VERTICAL SCALE<br>1" = 5'<br>BRIDGE FILE<br>DESIGNATION<br>1800060 |
| RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER _____ DATE _____ | <b>CROSS SECTIONS<br/>LINE A</b> |   | SURVEY BOOK _____ SHEET _____<br>122 of 173<br>CONTRACT R-42253 PROJECT 1800060                   |
| DESIGNED: <u>KRU</u>   | DRAWN: <u>KRU</u>                |   |   |
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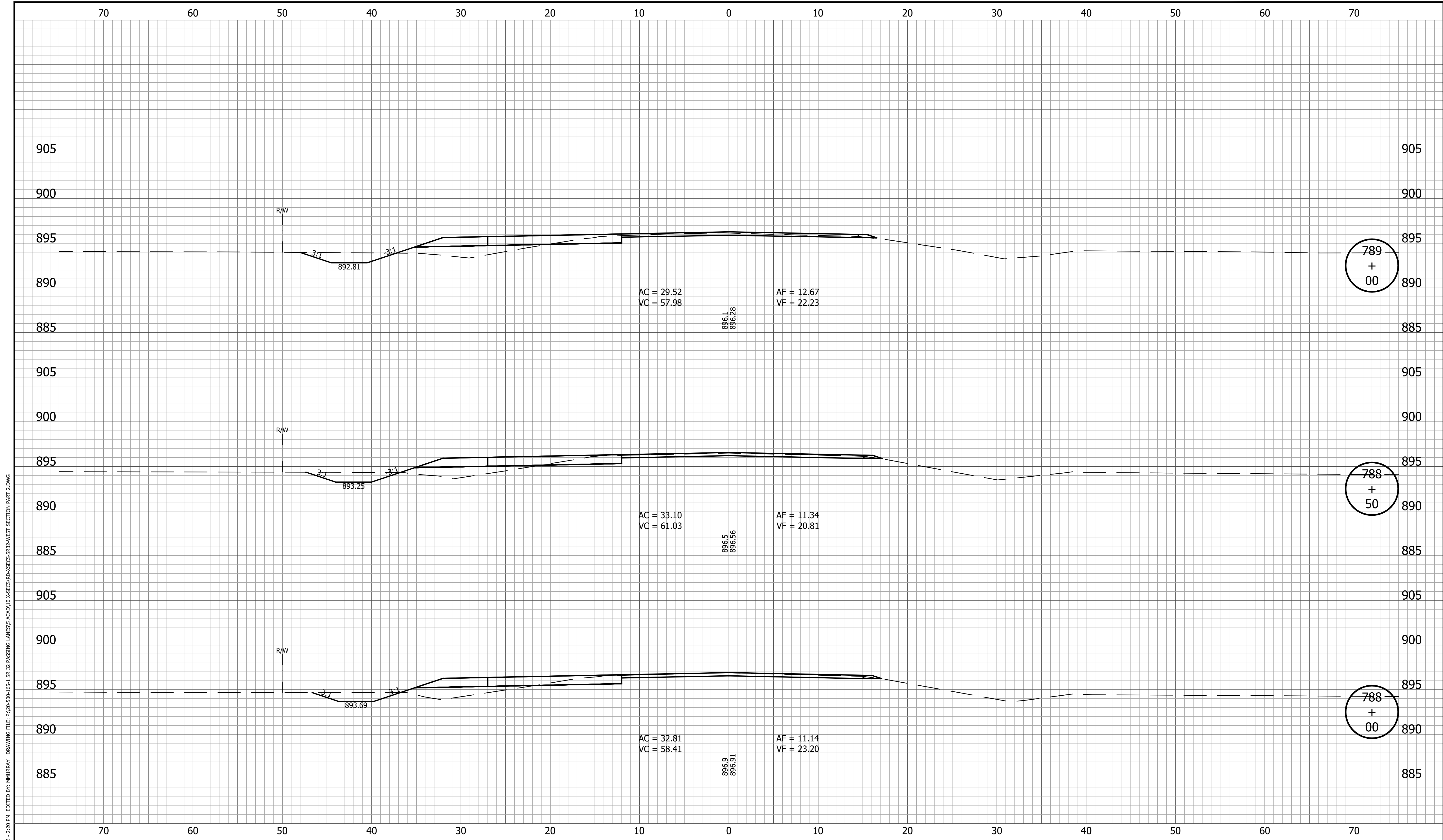


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|  |  | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b>            | HORIZONTAL SCALE<br>1" = 5'<br>VERTICAL SCALE<br>1" = 5' | BRIDGE FILE<br>DESIGNATION<br>1800060 |
|  |  | <b>CROSS SECTIONS LINE A</b>                           | SURVEY BOOK<br>123 of 173                                | SHEET<br>PROJECT<br>1800060           |
|  |  | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER DATE |  |                                       |
|  |  | DESIGNED: <u>KRU</u> DRAWN: <u>KRU</u>                 |  |                                       |
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|  |  | CONTRACT R-42253 PROJECT 1800060                       |  |                                       |

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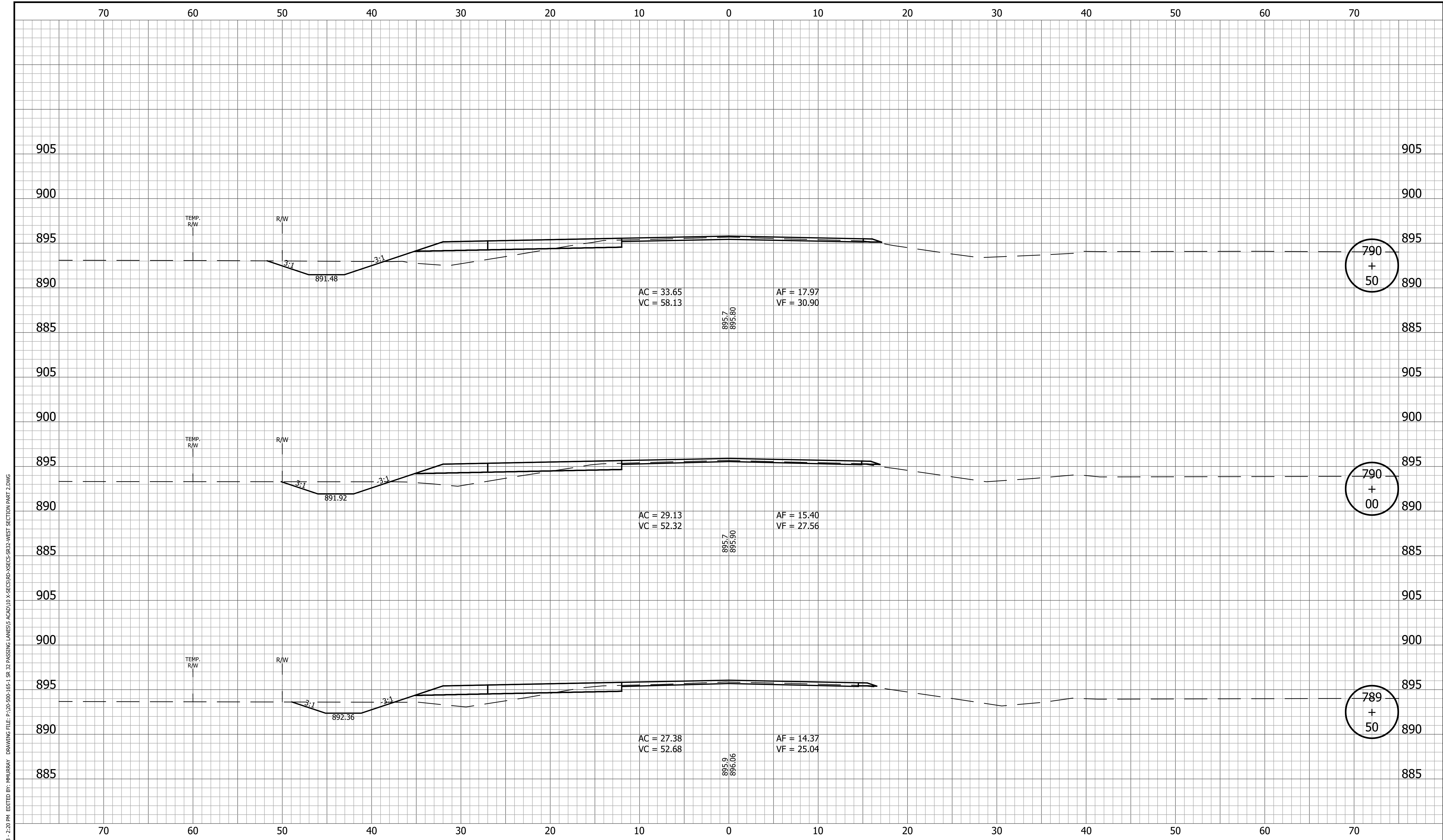


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|  | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER DATE                            | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b> | HORIZONTAL SCALE<br>1" = 5'<br>VERTICAL SCALE<br>1" = 5' | BRIDGE FILE<br>DESIGNATION<br>1800060 |
|  | DESIGNED: <u>KRU</u> DRAWN: <u>KRU</u><br>CHECKED: <u>RDS</u> CHECKED: <u>RDS</u> | <b>CROSS SECTIONS<br/>LINE A</b>            | SURVEY BOOK<br>124 of 173                                | PROJECT<br>1800060                    |
|  |   |   | CONTRACT<br>R-42253                                      | PROJECT<br>1800060                    |



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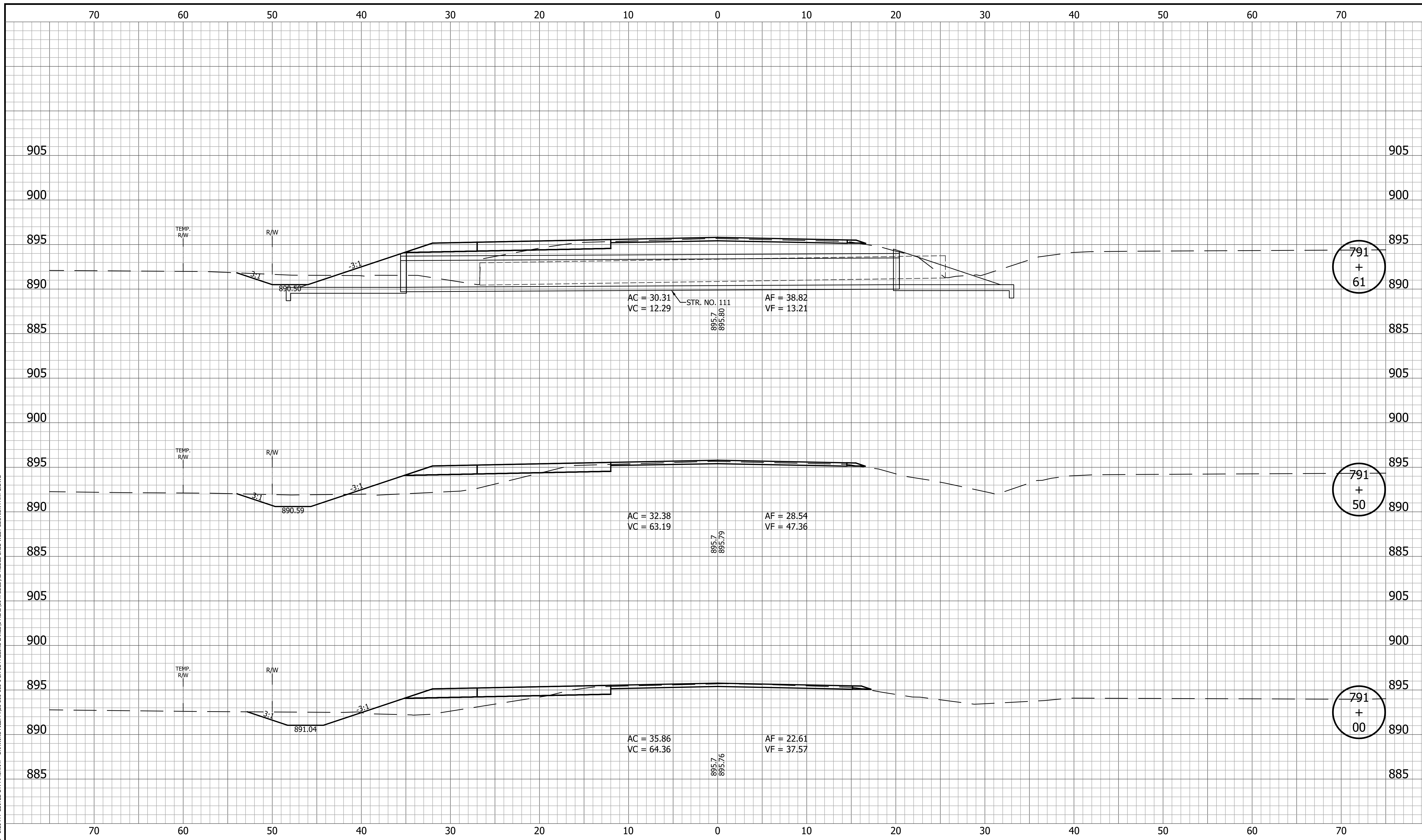
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|  | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER _____ DATE _____                | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b> | HORIZONTAL SCALE<br>1" = 5'<br>VERTICAL SCALE<br>1" = 5'<br>BRIDGE FILE            |
|  | DESIGNED: <u>KRU</u> DRAWN: <u>KRU</u><br>CHECKED: <u>RDS</u> CHECKED: <u>RDS</u> | <b>CROSS SECTIONS<br/>LINE A</b>            | SURVEY BOOK _____ SHEET _____<br>125 of 173<br>CONTRACT PROJECT<br>R-42253 1800060 |



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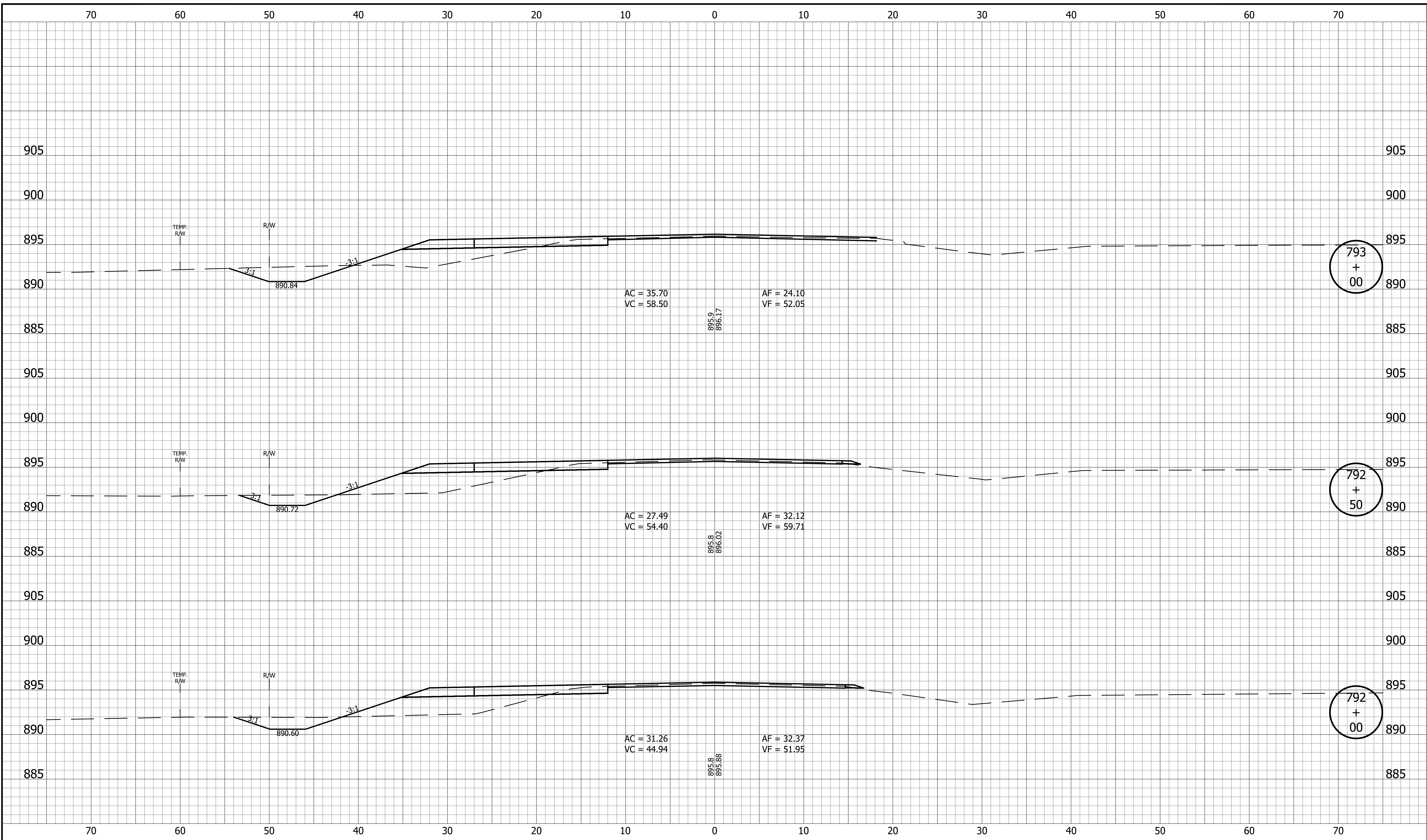
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|  | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER DATE                            | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b> | HORIZONTAL SCALE<br>1" = 5'<br>VERTICAL SCALE<br>1" = 5'<br>BRIDGE FILE            |
|  | DESIGNED: <u>KRU</u> DRAWN: <u>KRU</u><br>CHECKED: <u>RDS</u> CHECKED: <u>RDS</u> | <b>CROSS SECTIONS<br/>LINE A</b>            | SURVEY BOOK _____ SHEET _____<br>126 of 173<br>CONTRACT PROJECT<br>R-42253 1800060 |

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|--|--|--|--|---|--|-----------------------------|--|------------------------|--|
|  |  | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER DATE |  | INDIANA DEPARTMENT OF TRANSPORTATION<br><br>CROSS SECTIONS LINE A |  | HORIZONTAL SCALE<br>1" = 5' |  | BRIDGE FILE            |  |
|  |  | DESIGNED: <u>KRU</u> DRAWN: <u>KRU</u>                 |  |   |  | VERTICAL SCALE<br>1" = 5'   |  | DESIGNATION<br>1800060 |  |
|  |  | CHECKED: <u>RDS</u> CHECKED: <u>RDS</u>                |  |   |  | SURVEY BOOK                 |  | SHEET<br>127 of 173    |  |
|  |  |  |  |   |  | CONTRACT<br>R-42253         |  | PROJECT<br>1800060     |  |

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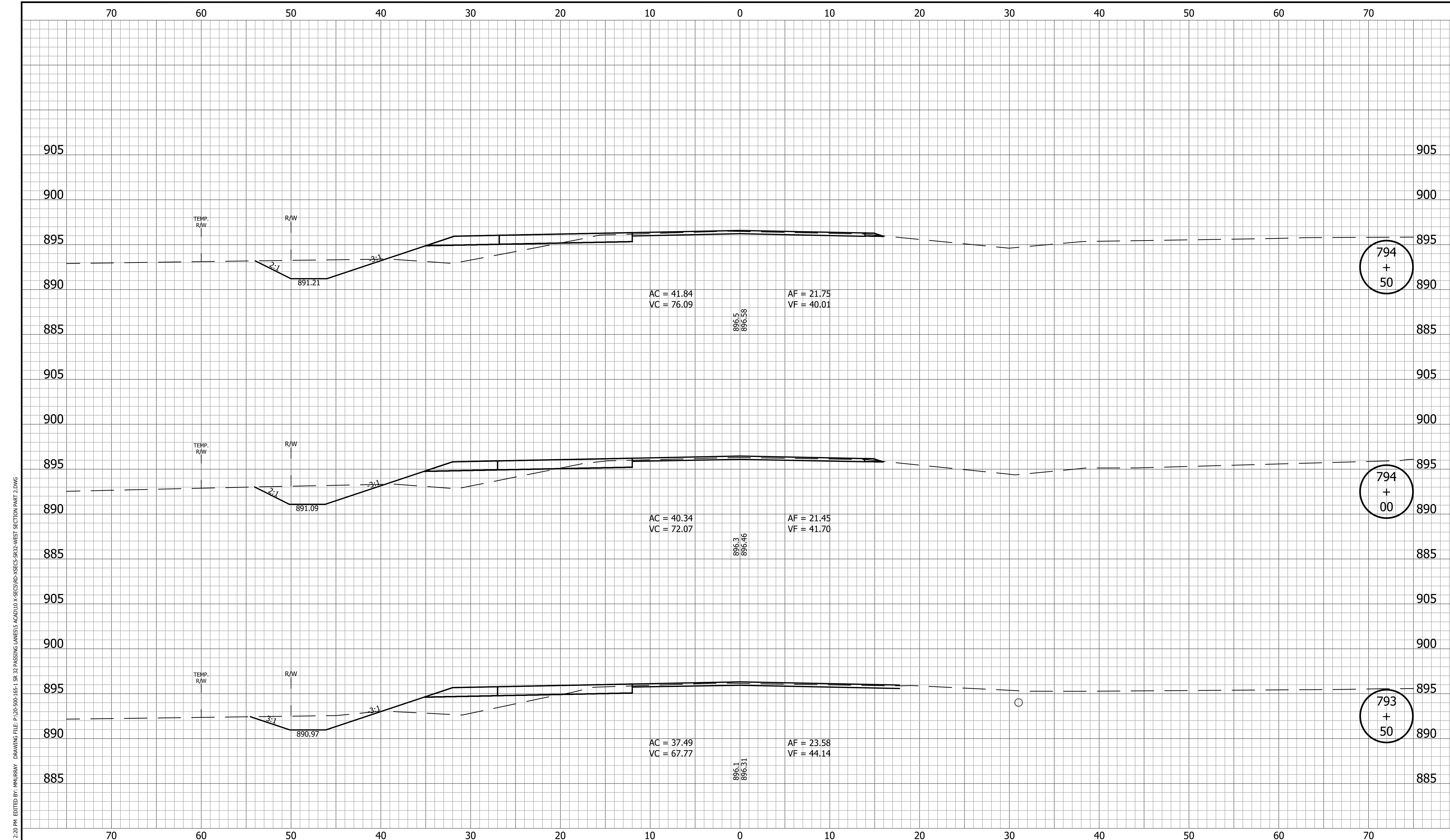
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| RECOMMENDED FOR APPROVAL | DESIGN ENGINEER | DATE | INDIANA DEPARTMENT OF TRANSPORTATION |  | HORIZONTAL SCALE | BRIDGE FILE |
|                          |                 |      |                                      |  | 1" = 5'          |             |
| DESIGNED: KRU            | DRAWN: KRU      |      | CROSS SECTIONS LINE A                |  | VERTICAL SCALE   | DESIGNATION |
|                          |                 |      |                                      |  | 1" = 5'          | 1800060     |
| CHECKED: RDS             | CHECKED: RDS    |      |                                      |  | SURVEY BOOK      | SHEET       |
|                          |                 |      |                                      |  |                  | 128 of 173  |
|                          |                 |      |                                      |  | CONTRACT         | PROJECT     |
|                          |                 |      |                                      |  | R-42253          | 1800060     |





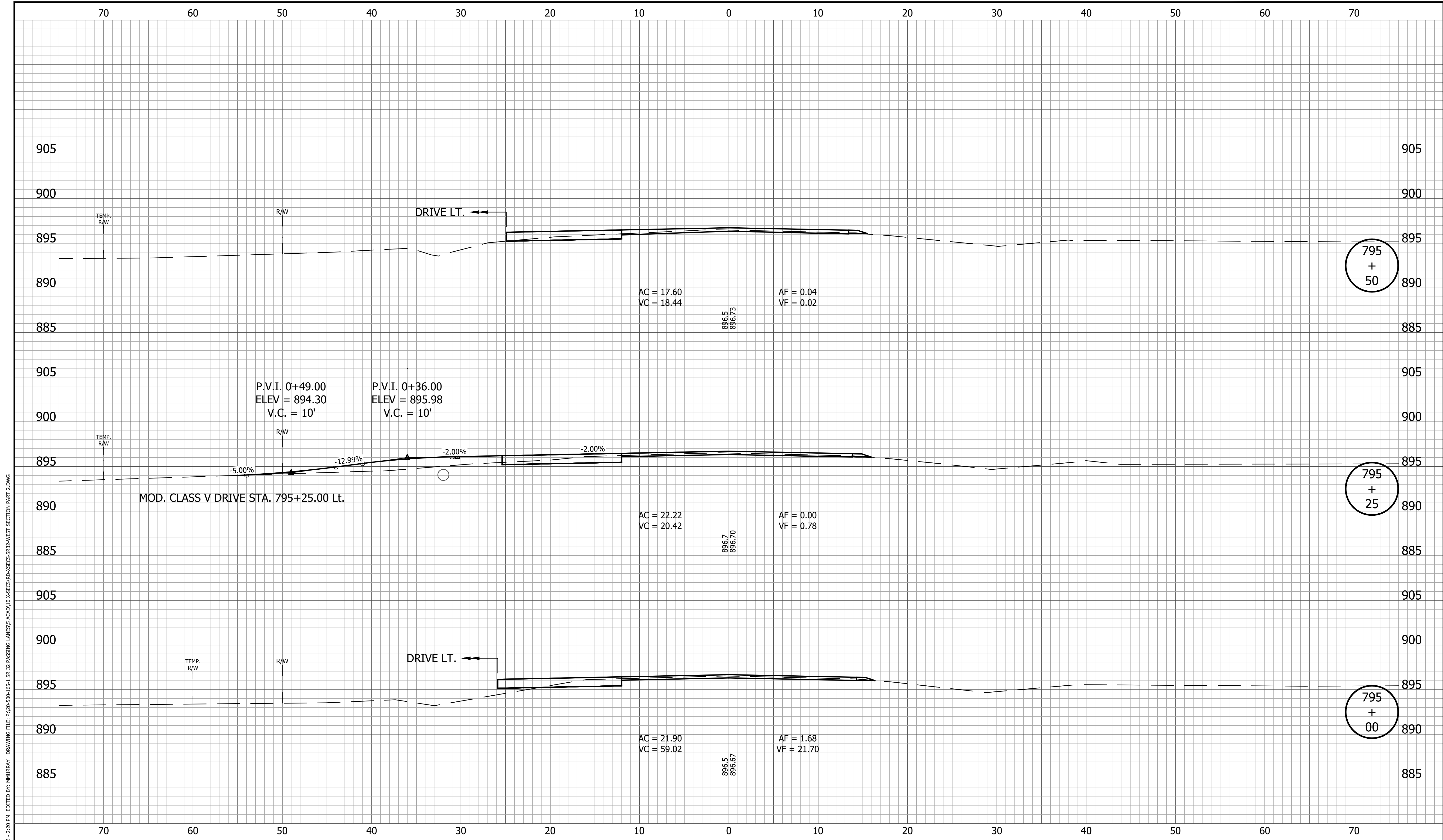
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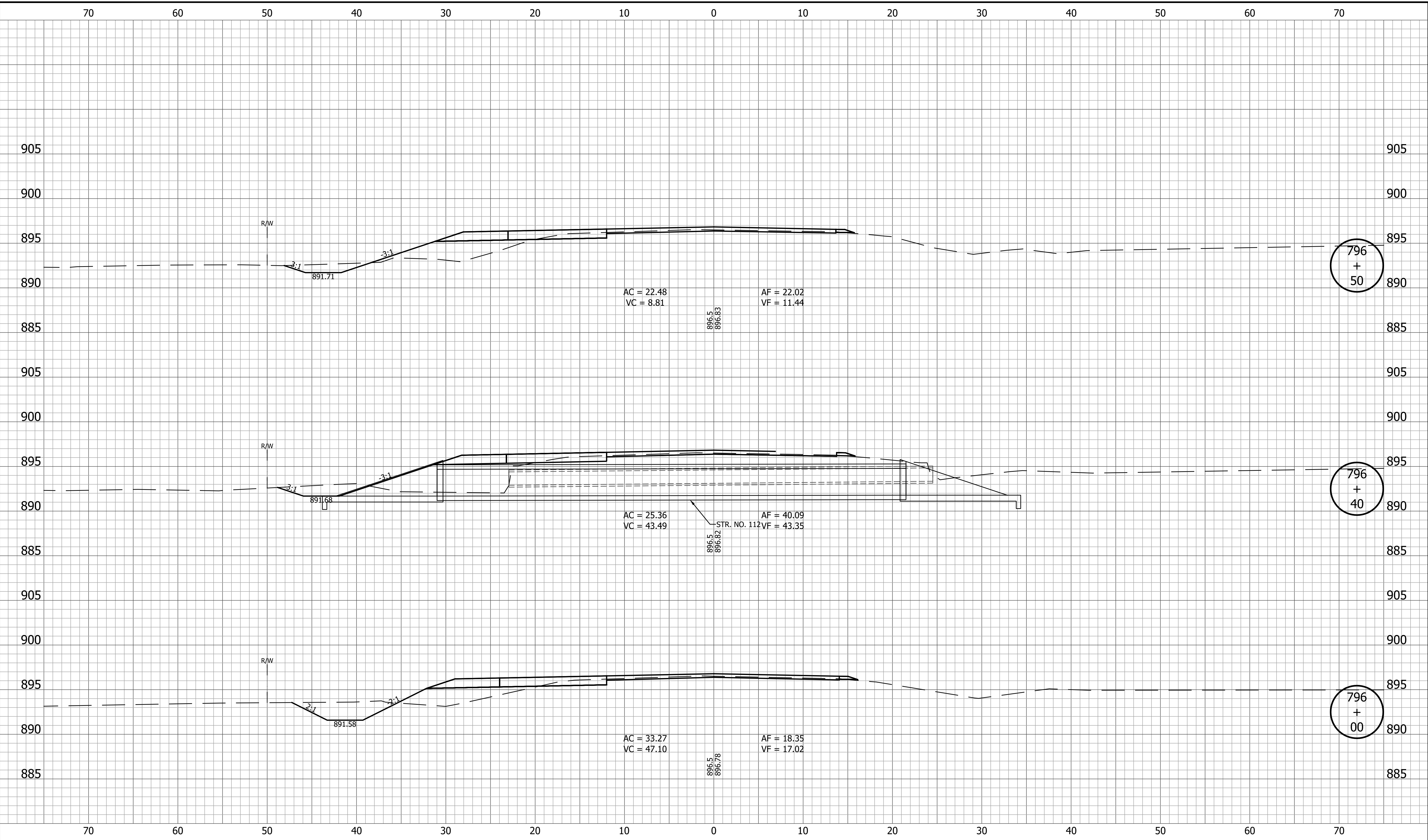
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|  | DESIGNED: <u>KRU</u> DRAWN: <u>KRU</u>                 | <b>CROSS SECTIONS LINE A</b>                | SURVEY BOOK      SHEET<br>129 of 173                                    |
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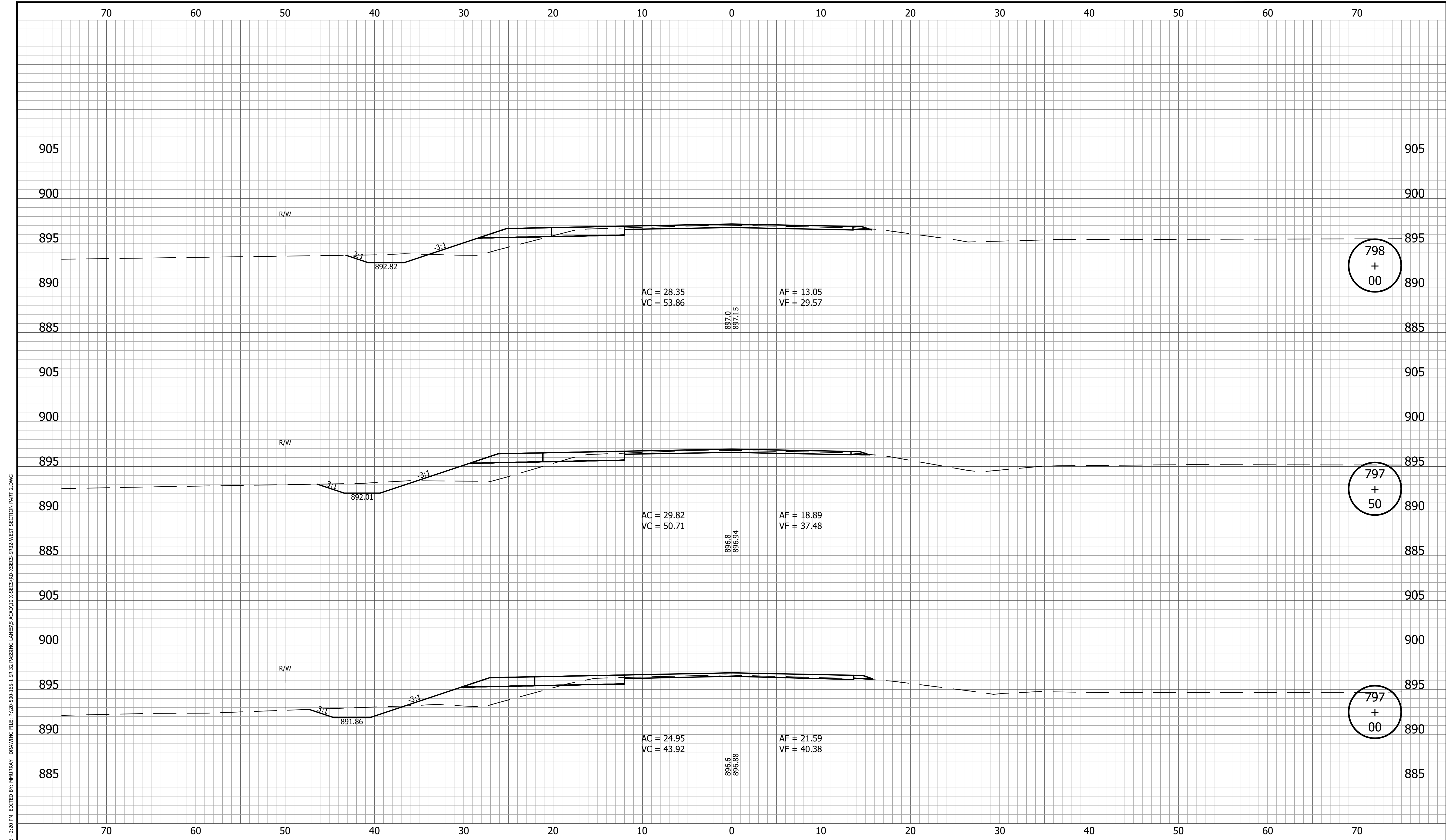
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|  |  | <b>INDIANA<br/>DEPARTMENT OF TRANSPORTATION</b>                                   | HORIZONTAL SCALE<br>1" = 5'<br>VERTICAL SCALE<br>1" = 5'<br>BRIDGE FILE<br>DESIGNATION<br>1800060 |
|  |  | <b>CROSS SECTIONS<br/>LINE A</b>  | SURVEY BOOK<br>130 of 173<br>SHEET<br>CONTRACT<br>R-42253<br>PROJECT<br>1800060                   |
|  |  | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER _____ DATE _____                |   |
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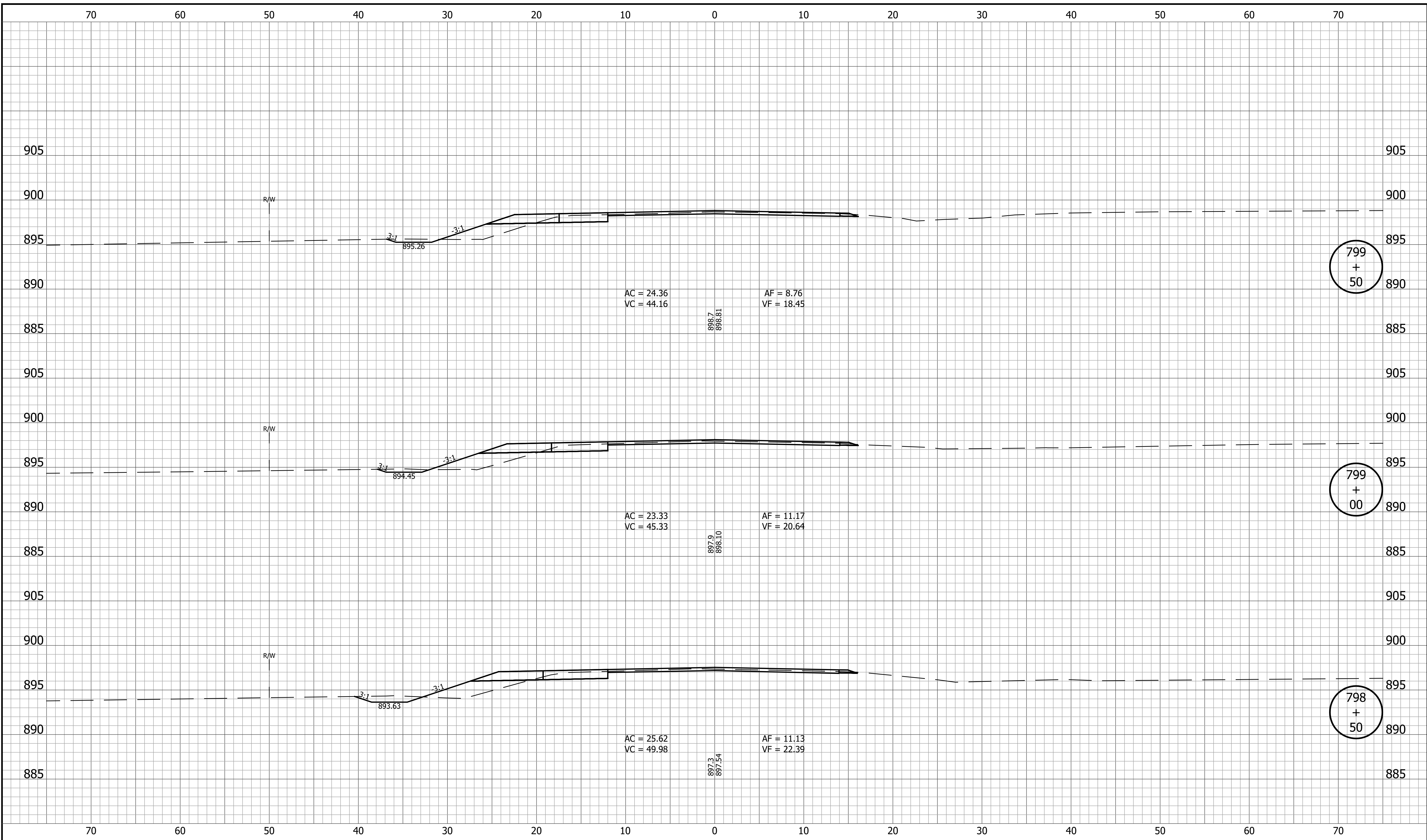
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|  |                     | <b>CROSS SECTIONS<br/>LINE A</b>                | SURVEY BOOK<br>131 of 173<br>SHEET<br>CONTRACT<br>R-42253<br>PROJECT<br>1800060                   |
| RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER _____ DATE _____ |                     |   |   |
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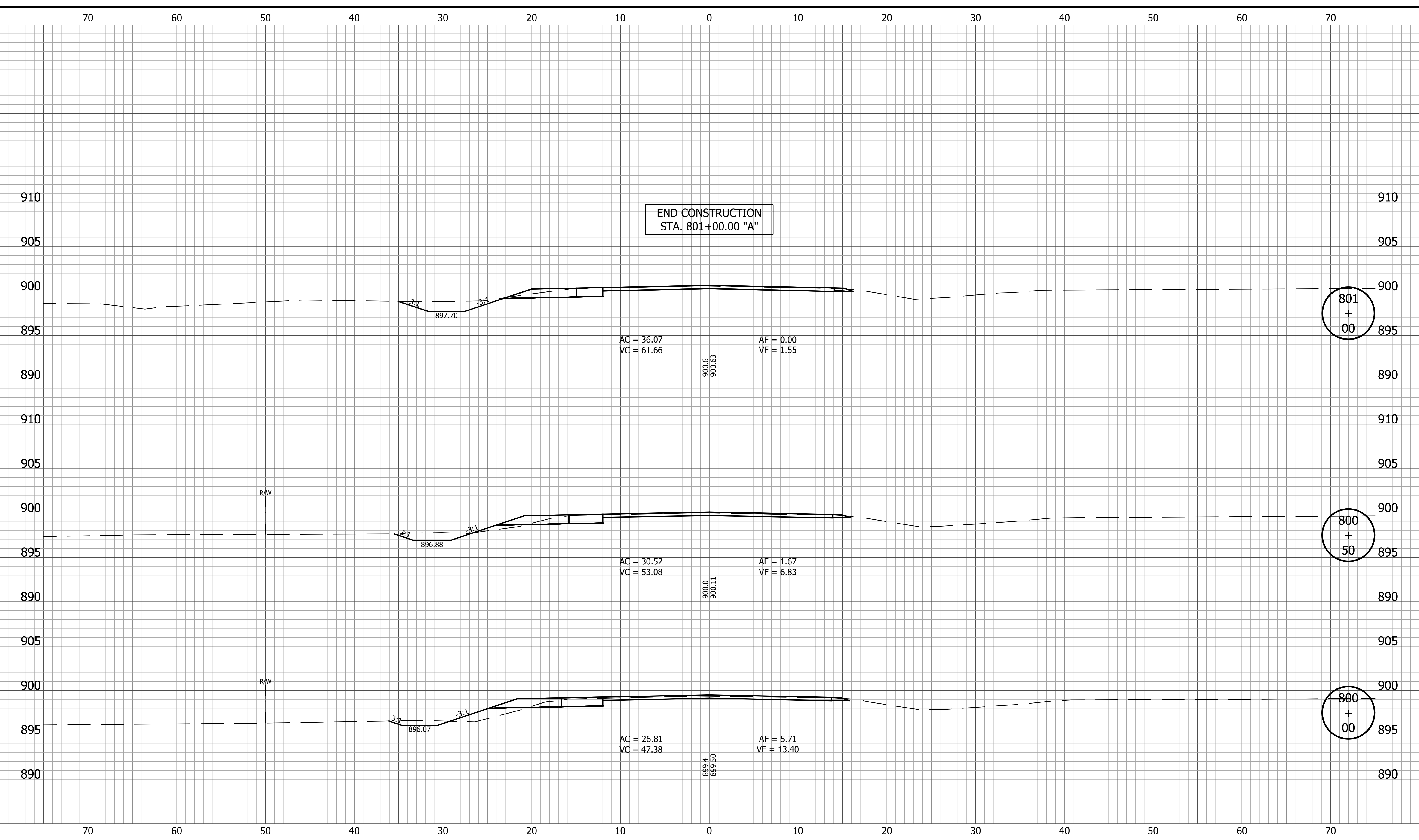
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| <b>INDIANA DEPARTMENT OF TRANSPORTATION</b><br><br><b>CROSS SECTIONS LINE A</b> |  |  | CONTRACT PROJECT<br>R-42253 1800060                 |

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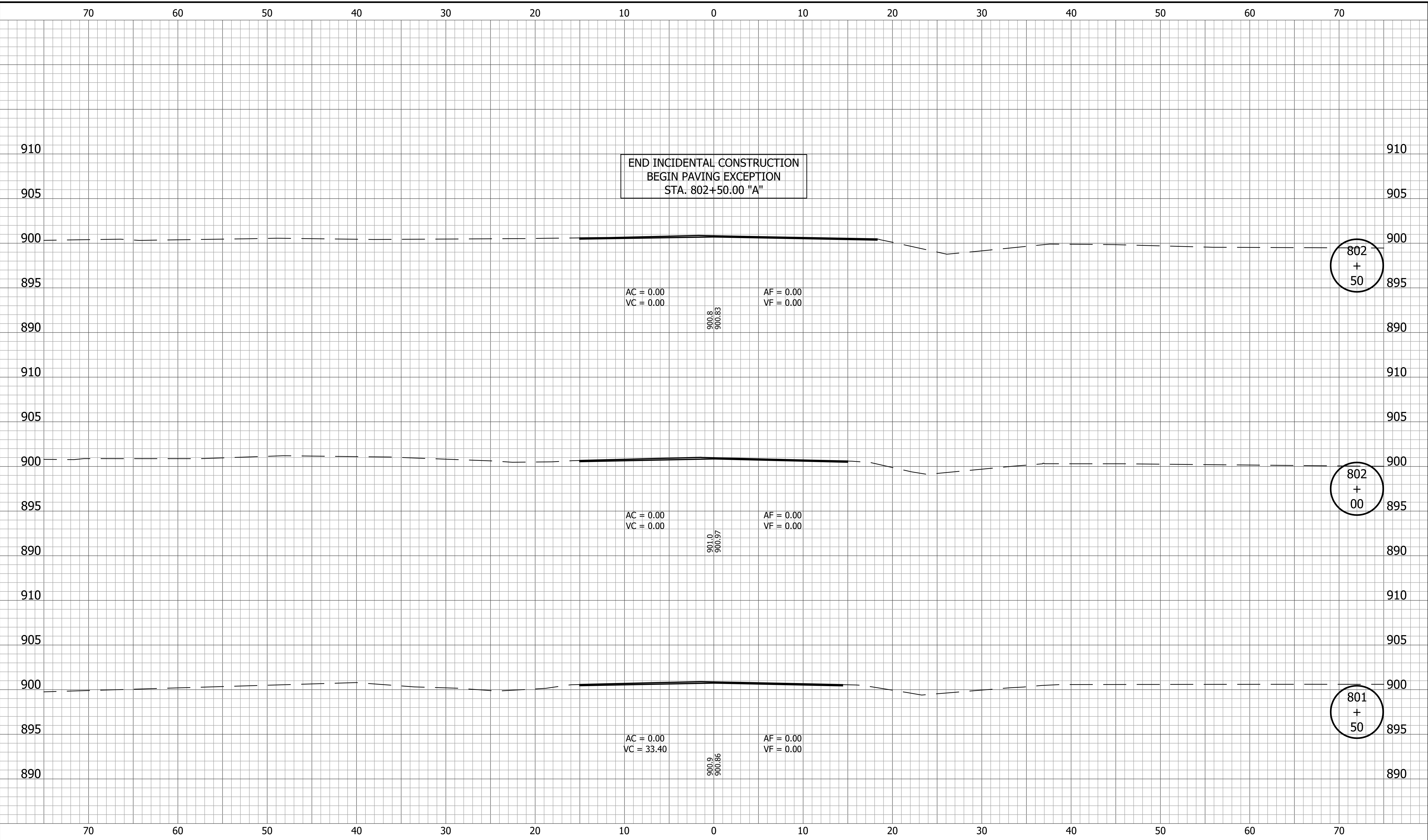
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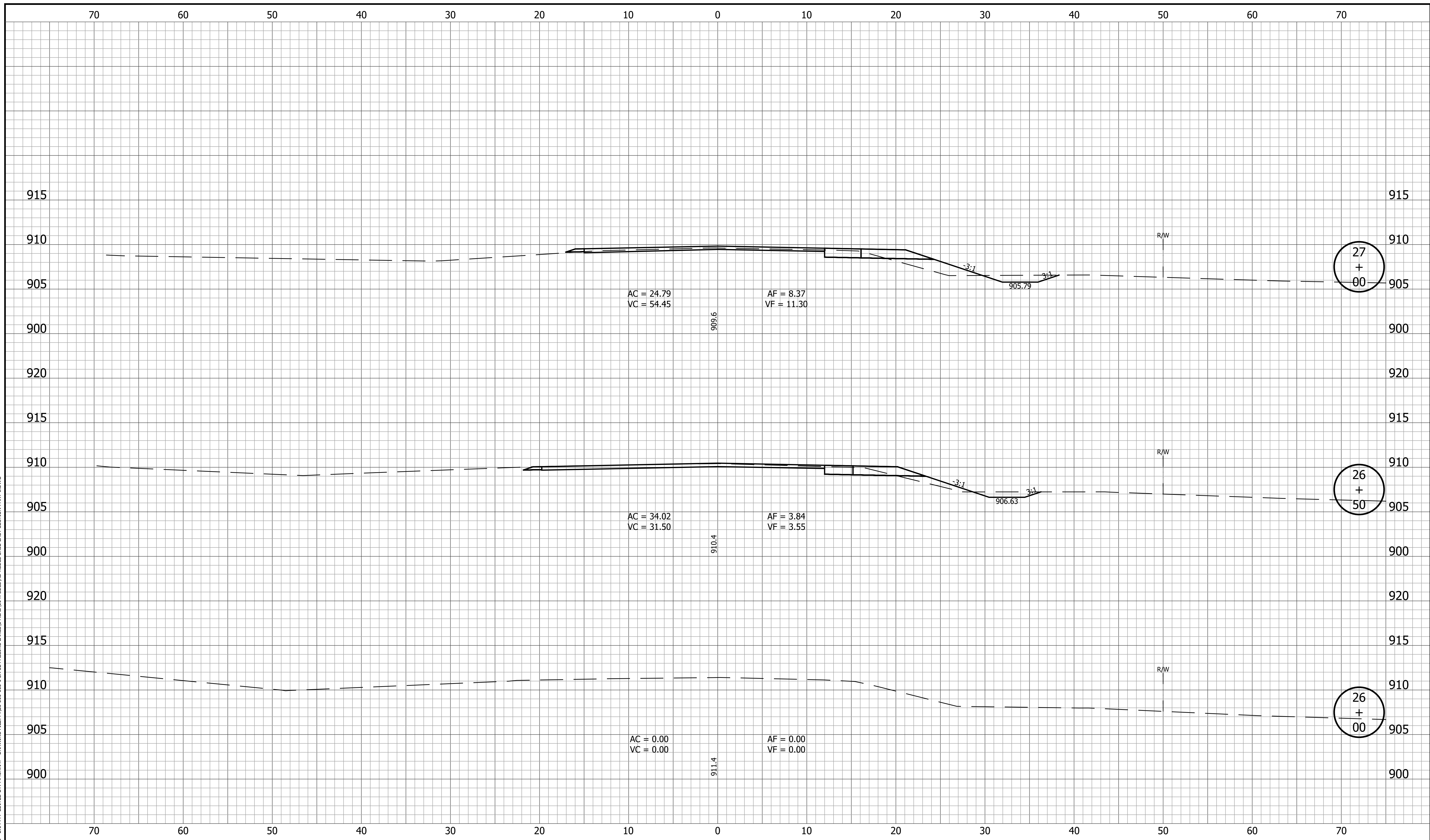
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|  |  |   | CONTRACT      PROJECT<br>R-42253      1800060       |

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|                  |             | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER DATE                            | INDIANA DEPARTMENT OF TRANSPORTATION  |                  |             |         |  |                |             |         |         |             |       |  |            |          |         |         |         |
|                  |             | DESIGNED: <u>KRU</u> DRAWN: <u>KRU</u><br>CHECKED: <u>RDS</u> CHECKED: <u>RDS</u> | CROSS SECTIONS<br>LINE A  |                  |             |         |  |                |             |         |         |             |       |  |            |          |         |         |         |
|                  |             |   | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: small;">HORIZONTAL SCALE</td> <td style="font-size: small;">BRIDGE FILE</td> </tr> <tr> <td style="font-size: small;">1" = 5'</td> <td></td> </tr> <tr> <td style="font-size: small;">VERTICAL SCALE</td> <td style="font-size: small;">DESIGNATION</td> </tr> <tr> <td style="font-size: small;">1" = 5'</td> <td style="text-align: center;">1800060</td> </tr> <tr> <td style="font-size: small;">SURVEY BOOK</td> <td style="font-size: small;">SHEET</td> </tr> <tr> <td></td> <td style="text-align: center;">135 of 173</td> </tr> <tr> <td style="font-size: small;">CONTRACT</td> <td style="font-size: small;">PROJECT</td> </tr> <tr> <td style="font-size: small;">R-42253</td> <td style="text-align: center;">1800060</td> </tr> </table> | HORIZONTAL SCALE | BRIDGE FILE | 1" = 5' |  | VERTICAL SCALE | DESIGNATION | 1" = 5' | 1800060 | SURVEY BOOK | SHEET |  | 135 of 173 | CONTRACT | PROJECT | R-42253 | 1800060 |
| HORIZONTAL SCALE | BRIDGE FILE |   |   |                  |             |         |  |                |             |         |         |             |       |  |            |          |         |         |         |
| 1" = 5'          |             |   |   |                  |             |         |  |                |             |         |         |             |       |  |            |          |         |         |         |
| VERTICAL SCALE   | DESIGNATION |   |   |                  |             |         |  |                |             |         |         |             |       |  |            |          |         |         |         |
| 1" = 5'          | 1800060     |   |   |                  |             |         |  |                |             |         |         |             |       |  |            |          |         |         |         |
| SURVEY BOOK      | SHEET       |   |   |                  |             |         |  |                |             |         |         |             |       |  |            |          |         |         |         |
|                  | 135 of 173  |   |   |                  |             |         |  |                |             |         |         |             |       |  |            |          |         |         |         |
| CONTRACT         | PROJECT     |   |   |                  |             |         |  |                |             |         |         |             |       |  |            |          |         |         |         |
| R-42253          | 1800060     |   |   |                  |             |         |  |                |             |         |         |             |       |  |            |          |         |         |         |

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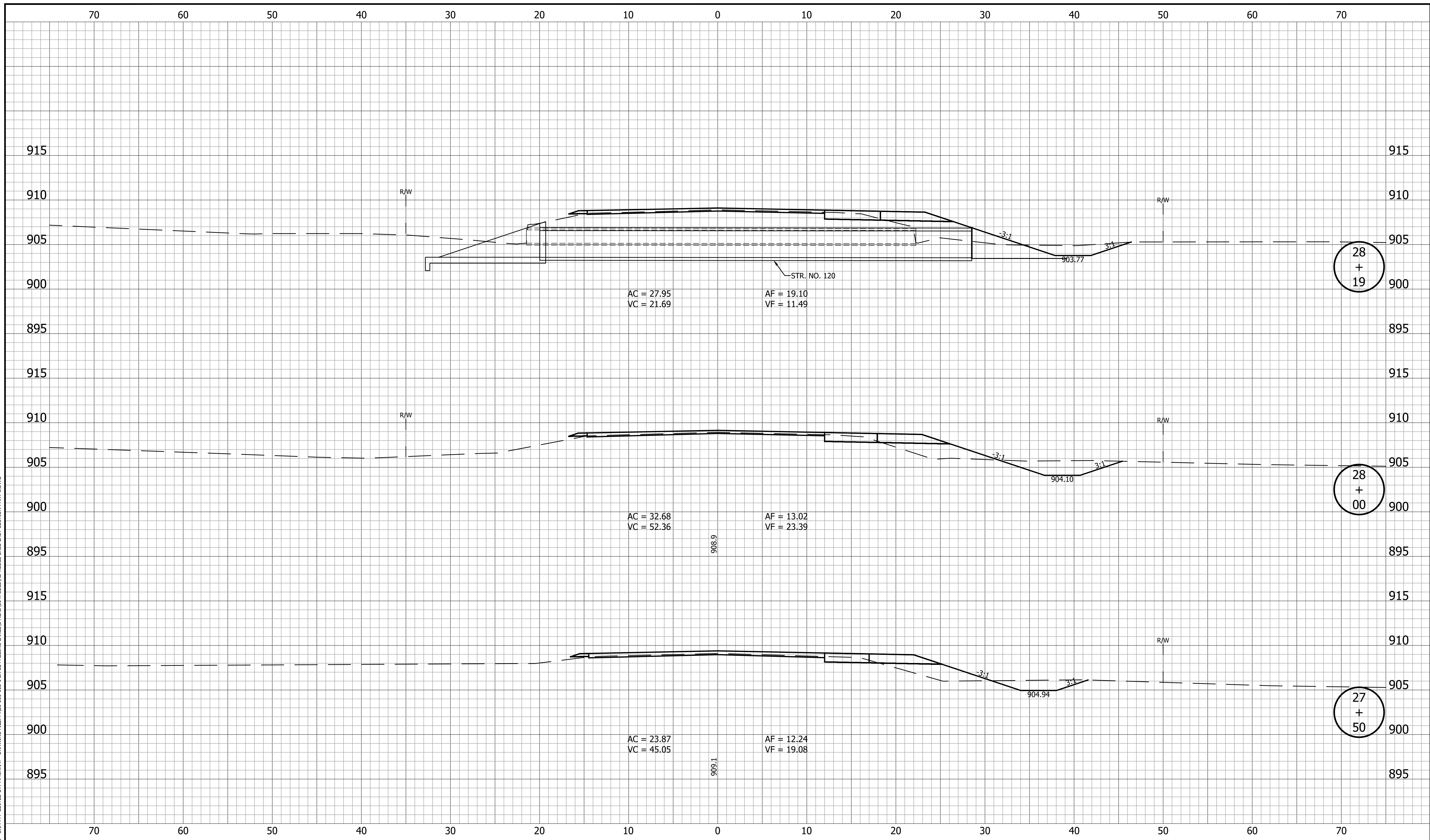
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|  |                                  | <b>INDIANA<br/>DEPARTMENT OF TRANSPORTATION</b> | HORIZONTAL SCALE<br>1" = 5'<br>VERTICAL SCALE<br>1" = 5'<br>BRIDGE FILE<br>DESIGNATION<br>1800060 |
| RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER _____ DATE _____ | <b>CROSS SECTIONS<br/>LINE A</b> |   | SURVEY BOOK _____ SHEET<br>136 of 173<br>CONTRACT PROJECT<br>R-42253 1800060                      |
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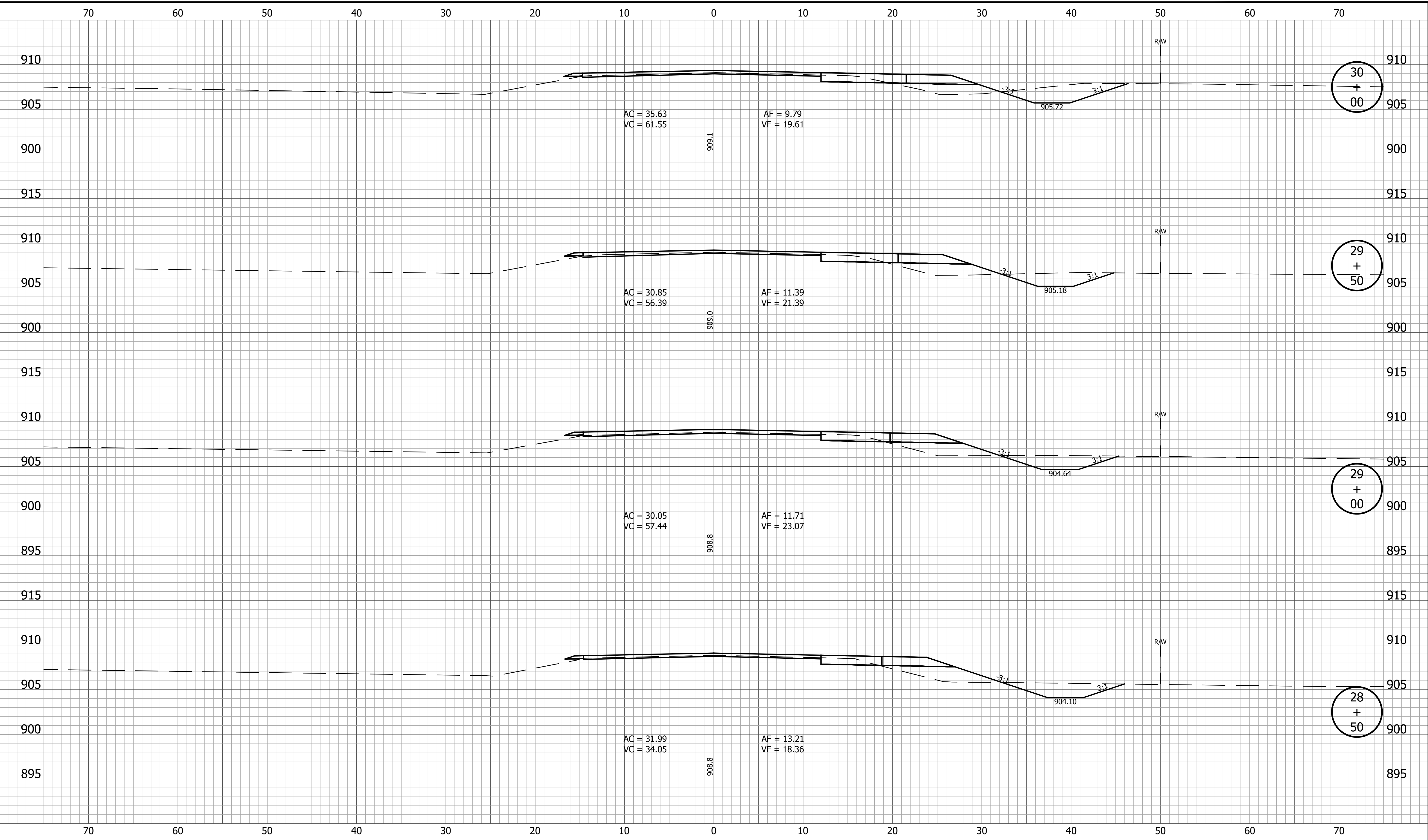


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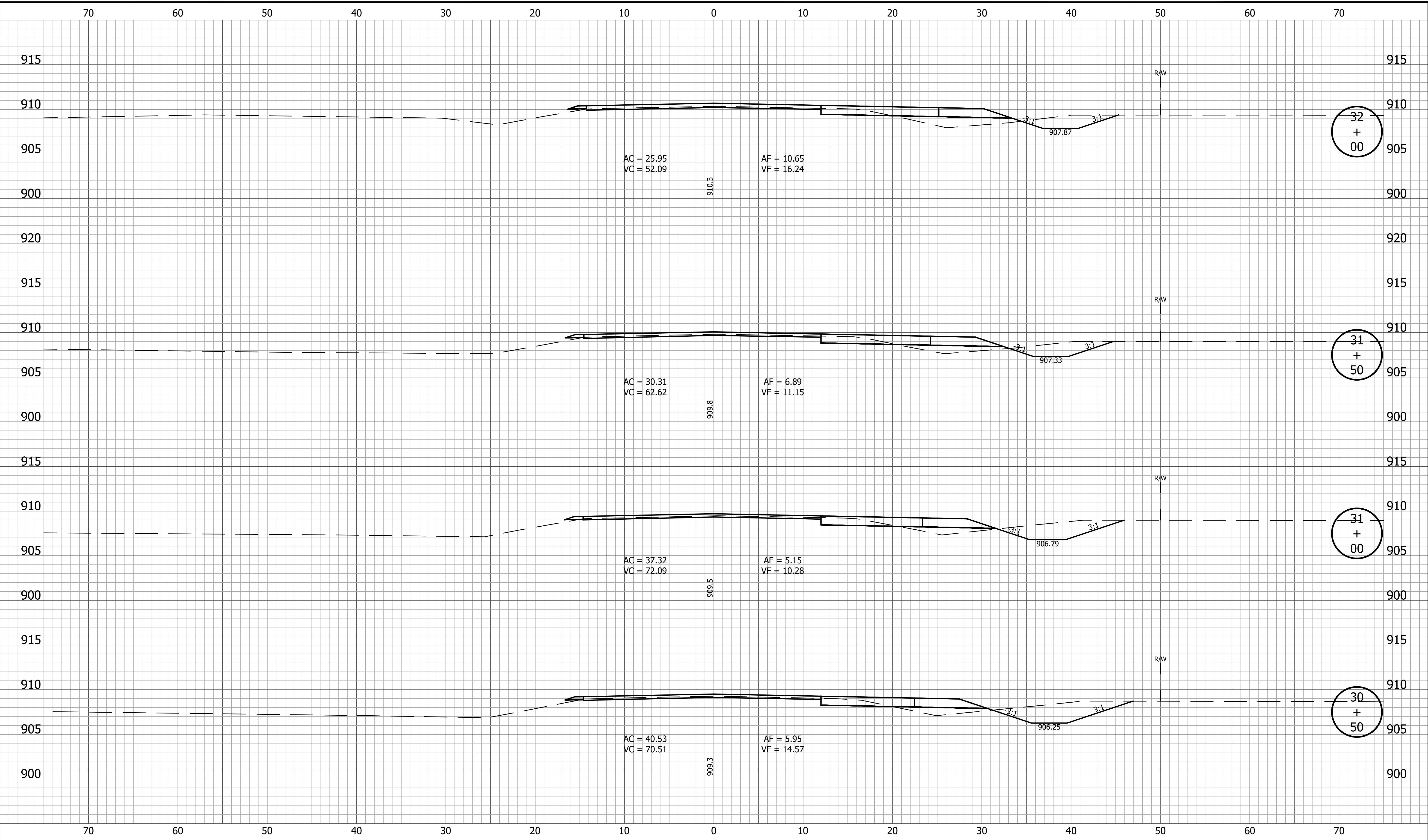
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|  |  | <b>CROSS SECTIONS<br/>LINE A</b>                | SURVEY BOOK<br>137 of 173                                | SHEET<br>PROJECT<br>1800060           |
| RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER _____ DATE _____ |  | DESIGNED: _____<br>DRAWN: _____                 |  |                                       |
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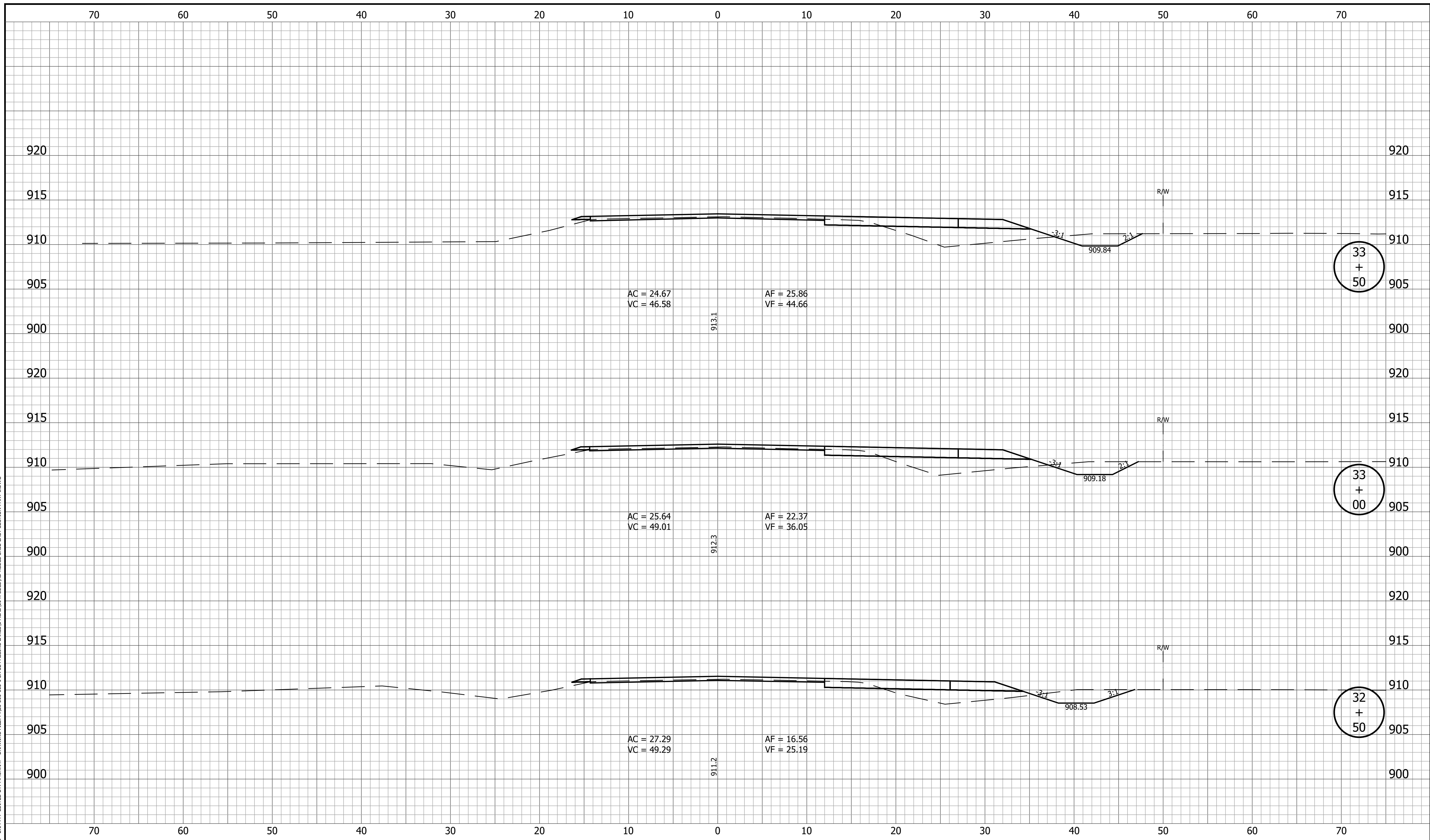
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|  |  |   | SURVEY BOOK _____ SHEET _____<br>138 of 173<br>CONTRACT R-42253 PROJECT 1800060                   |

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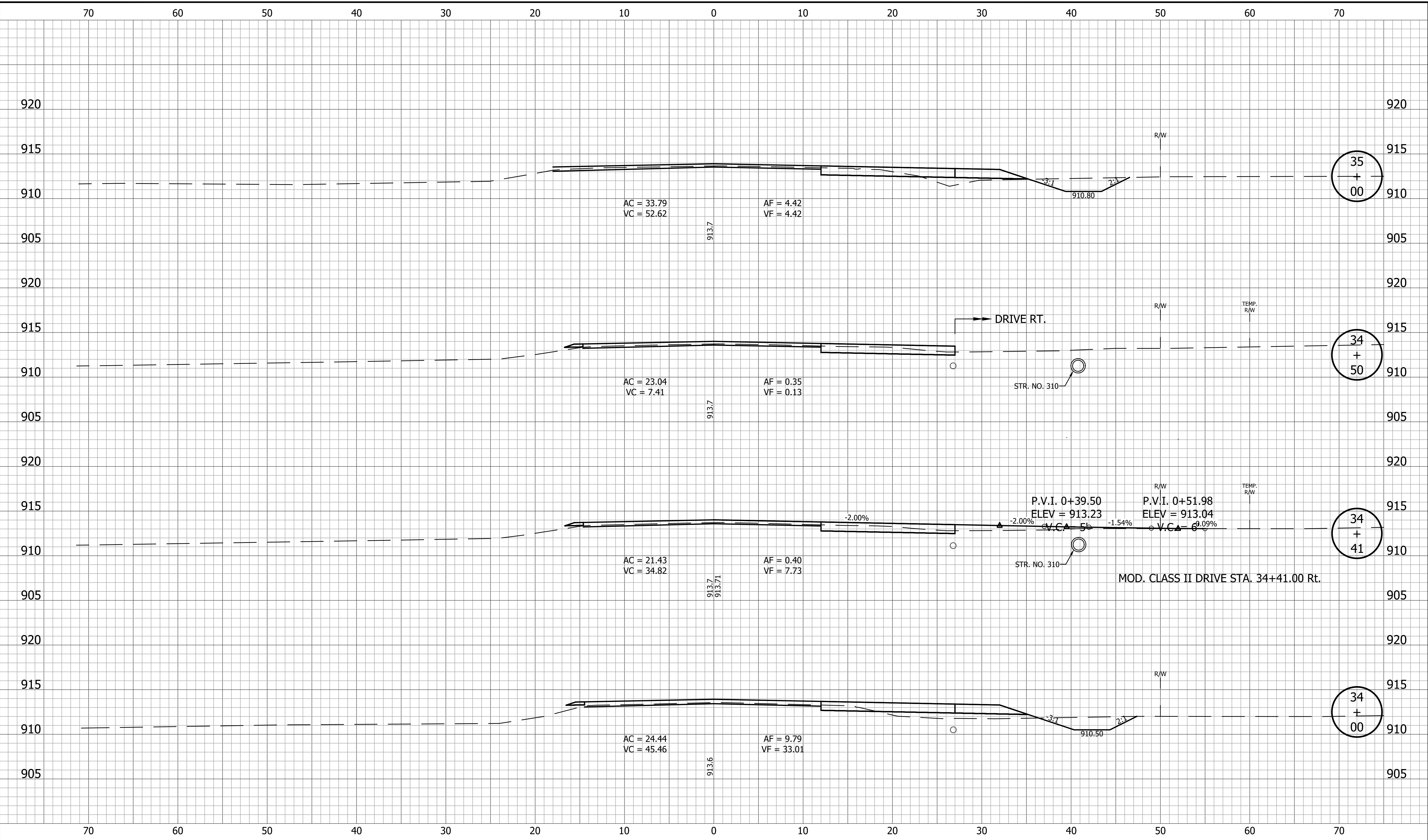
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| <b>INDIANA DEPARTMENT OF TRANSPORTATION</b><br><b>CROSS SECTIONS LINE A</b> |  |   |   |

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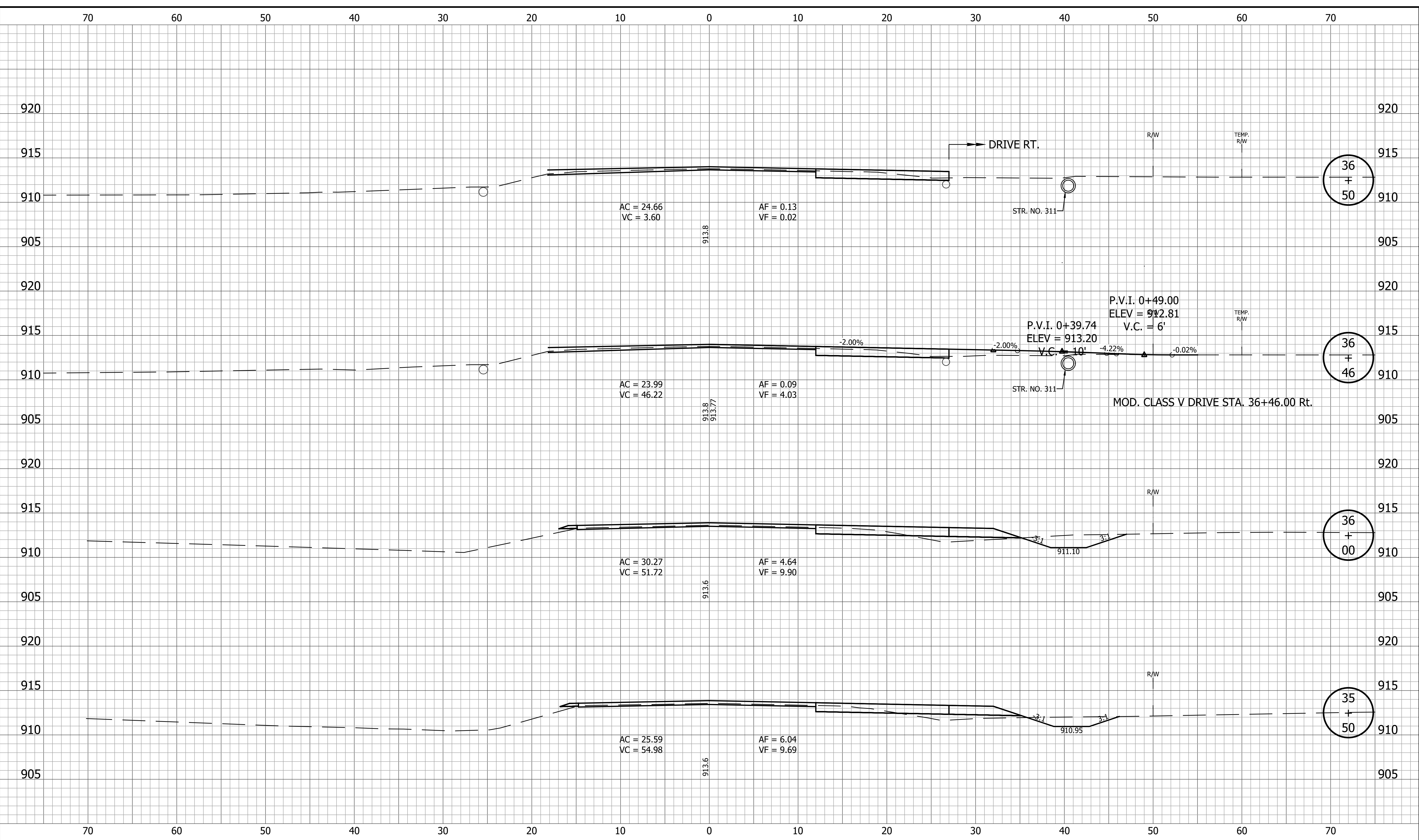
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|  |                     | <b>CROSS SECTIONS<br/>LINE A</b>                | SURVEY BOOK<br>140 of 173 SHEET<br>CONTRACT<br>R-42253 PROJECT<br>1800060                         |
| RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER _____ DATE _____ |                     |   |   |
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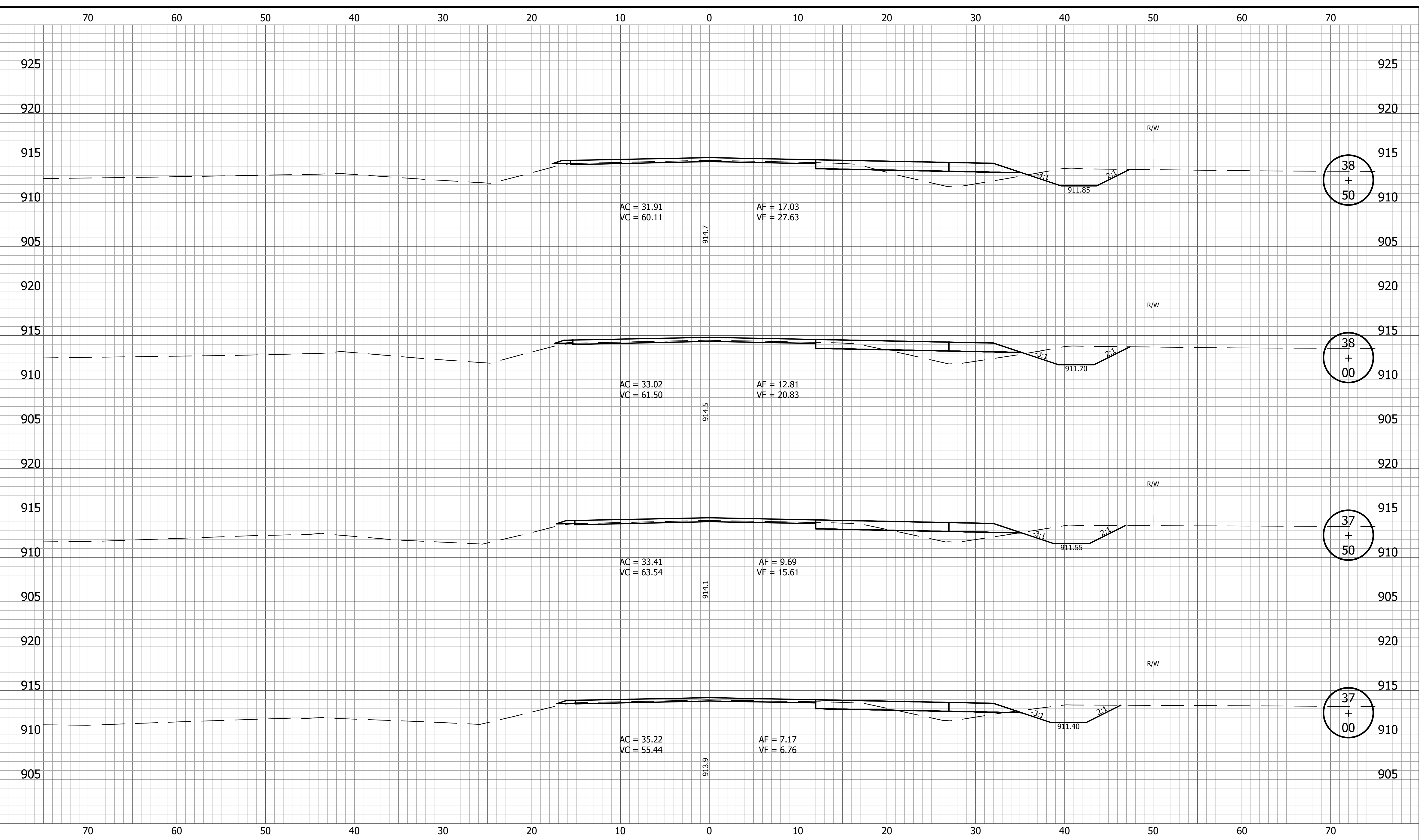
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| RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER _____ DATE _____ | <b>CROSS SECTIONS<br/>LINE A</b> |   | BRIDGE FILE<br>DESIGNATION<br>1800060<br>SHEET<br>141 of 173<br>PROJECT<br>1800060                           |
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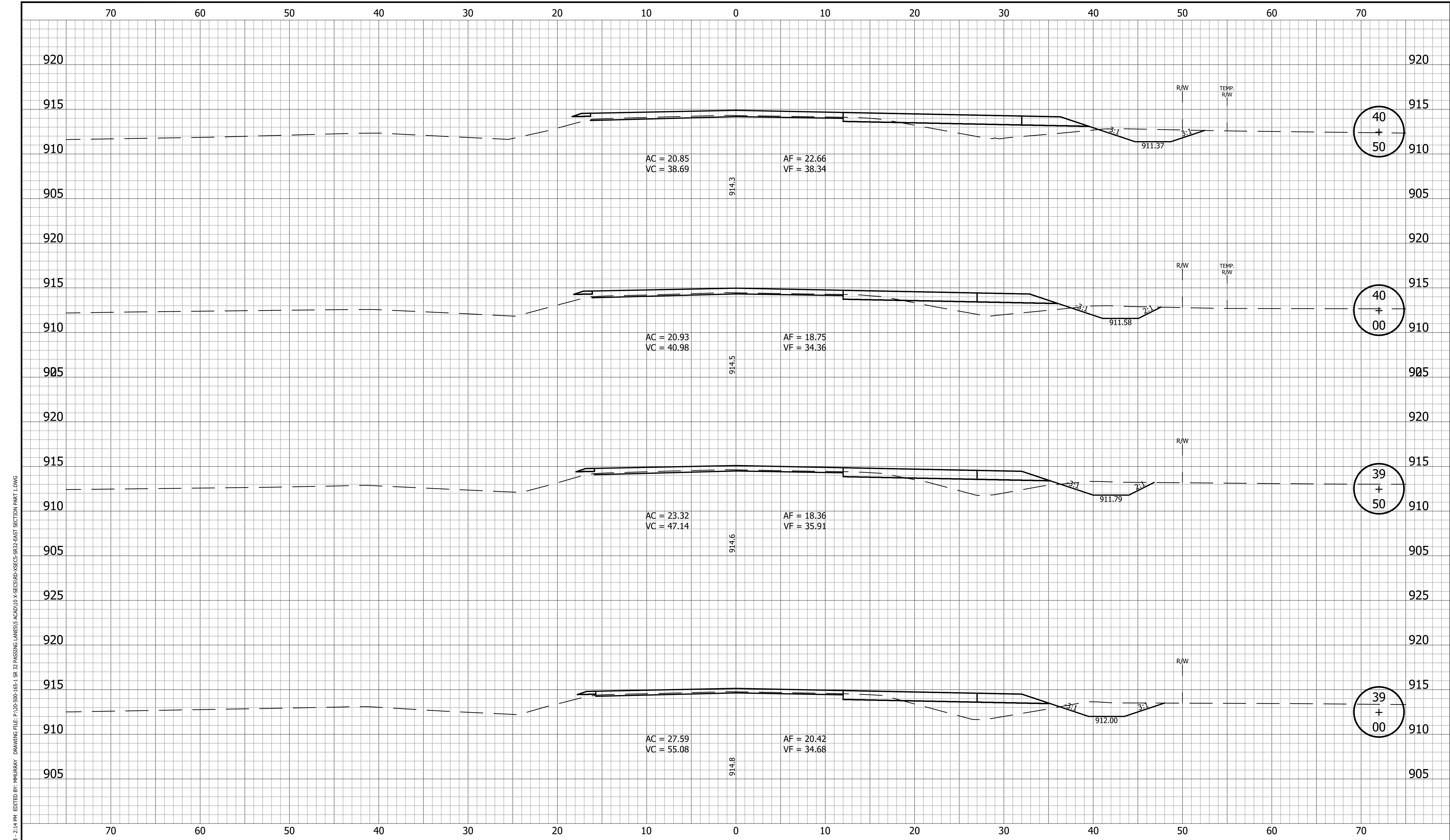


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|  | DESIGNED: <u>KRU</u> DRAWN: <u>KRU</u>                 | <b>CROSS SECTIONS LINE A</b>                | VERTICAL SCALE<br>1" = 5'<br>DESIGNATION<br>1800060 |
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|  |  |   | CONTRACT PROJECT<br>R-42253 1800060                 |

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| RECOMMENDED FOR APPROVAL | DESIGN ENGINEER | DATE | INDIANA DEPARTMENT OF TRANSPORTATION | HORIZONTAL SCALE | BRIDGE FILE |
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| DESIGNED: KRU            | DRAWN: KRU      |      | CROSS SECTIONS LINE A                | VERTICAL SCALE   | DESIGNATION |
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|                          |                 |      |                                      | SURVEY BOOK      | SHEET       |
|                          |                 |      |                                      | 143              | of 173      |
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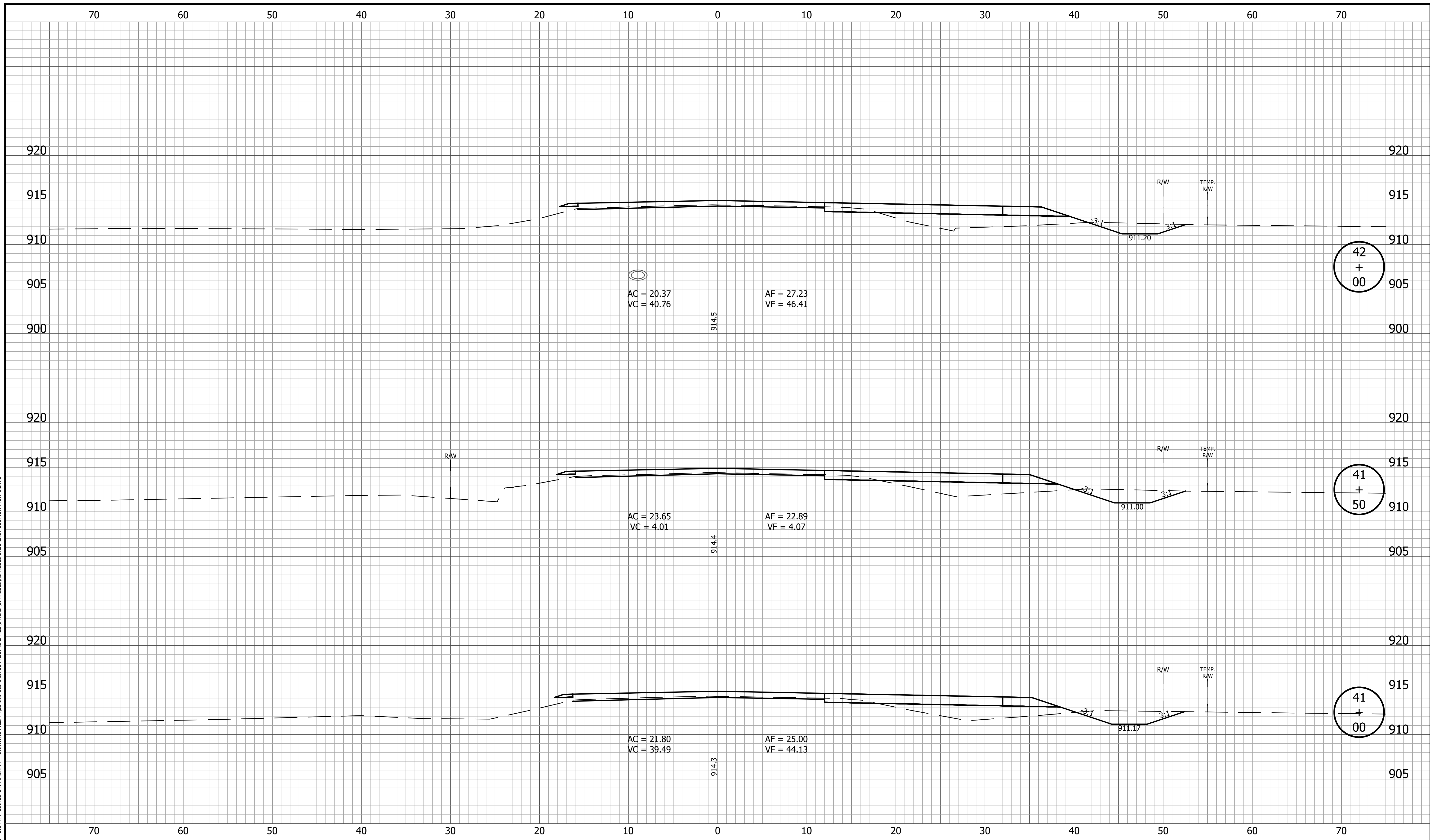


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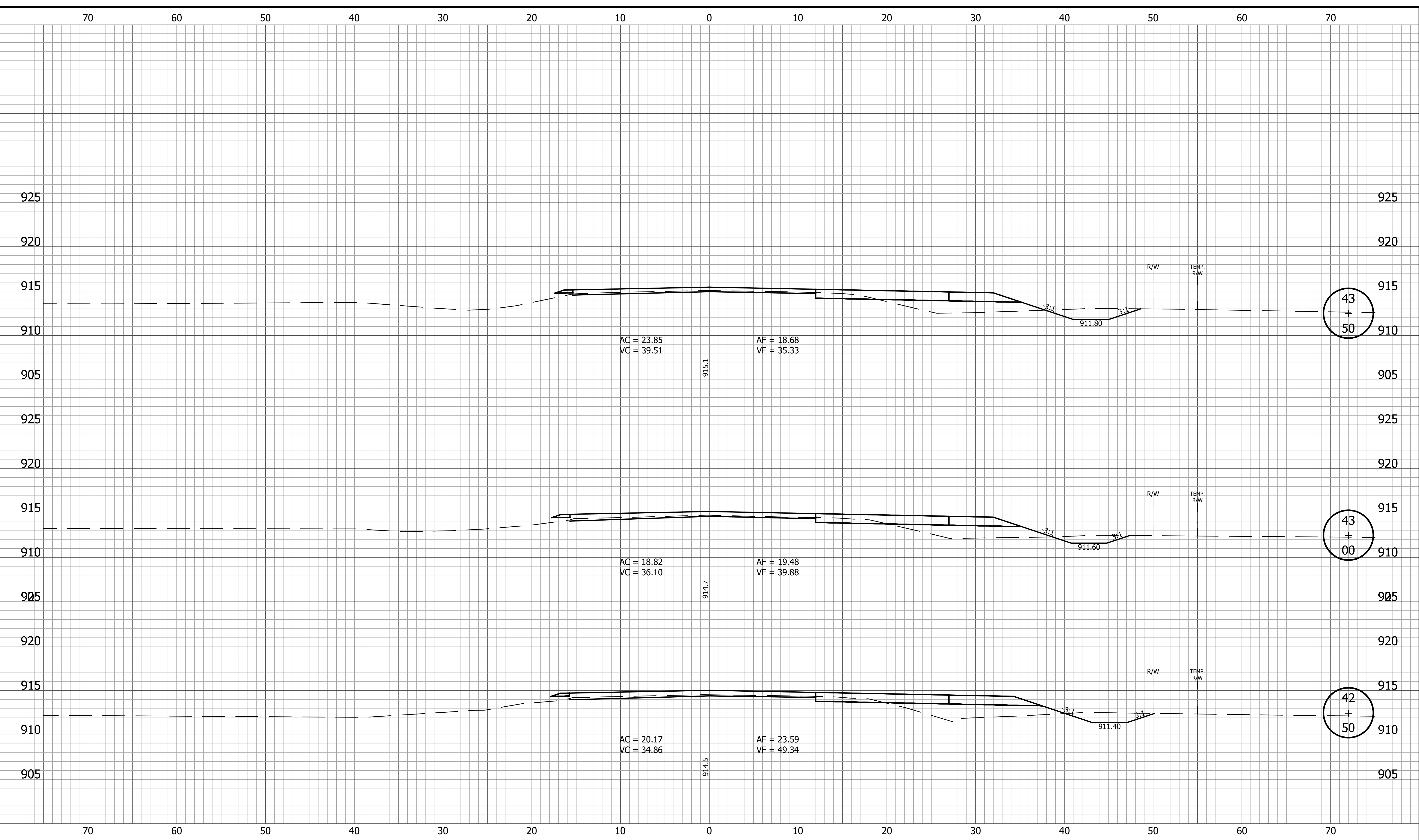
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|  |                     | <b>INDIANA<br/>DEPARTMENT OF TRANSPORTATION</b> | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>HORIZONTAL SCALE</td> <td>BRIDGE FILE</td> </tr> <tr> <td>1" = 5'</td> <td></td> </tr> <tr> <td>VERTICAL SCALE</td> <td>DESIGNATION</td> </tr> <tr> <td>1" = 5'</td> <td>1800060</td> </tr> <tr> <td>SURVEY BOOK</td> <td>SHEET</td> </tr> <tr> <td></td> <td>145 of 173</td> </tr> <tr> <td>CONTRACT</td> <td>PROJECT</td> </tr> <tr> <td>R-42253</td> <td>1800060</td> </tr> </table> | HORIZONTAL SCALE | BRIDGE FILE | 1" = 5'              |                   | VERTICAL SCALE | DESIGNATION | 1" = 5'             | 1800060             | SURVEY BOOK | SHEET |  | 145 of 173 | CONTRACT | PROJECT | R-42253 | 1800060 |
| HORIZONTAL SCALE   | BRIDGE FILE         |   |   |                  |             |                      |                   |                |             |                     |                     |             |       |  |            |          |         |         |         |
| 1" = 5'  |                     |   |   |                  |             |                      |                   |                |             |                     |                     |             |       |  |            |          |         |         |         |
| VERTICAL SCALE   | DESIGNATION         |   |   |                  |             |                      |                   |                |             |                     |                     |             |       |  |            |          |         |         |         |
| 1" = 5'  | 1800060             |   |   |                  |             |                      |                   |                |             |                     |                     |             |       |  |            |          |         |         |         |
| SURVEY BOOK  | SHEET               |   |   |                  |             |                      |                   |                |             |                     |                     |             |       |  |            |          |         |         |         |
|  | 145 of 173          |   |   |                  |             |                      |                   |                |             |                     |                     |             |       |  |            |          |         |         |         |
| CONTRACT   | PROJECT             |   |   |                  |             |                      |                   |                |             |                     |                     |             |       |  |            |          |         |         |         |
| R-42253  | 1800060             |   |   |                  |             |                      |                   |                |             |                     |                     |             |       |  |            |          |         |         |         |
|  |                     | <b>CROSS SECTIONS<br/>LINE A</b>                |   |                  |             |                      |                   |                |             |                     |                     |             |       |  |            |          |         |         |         |
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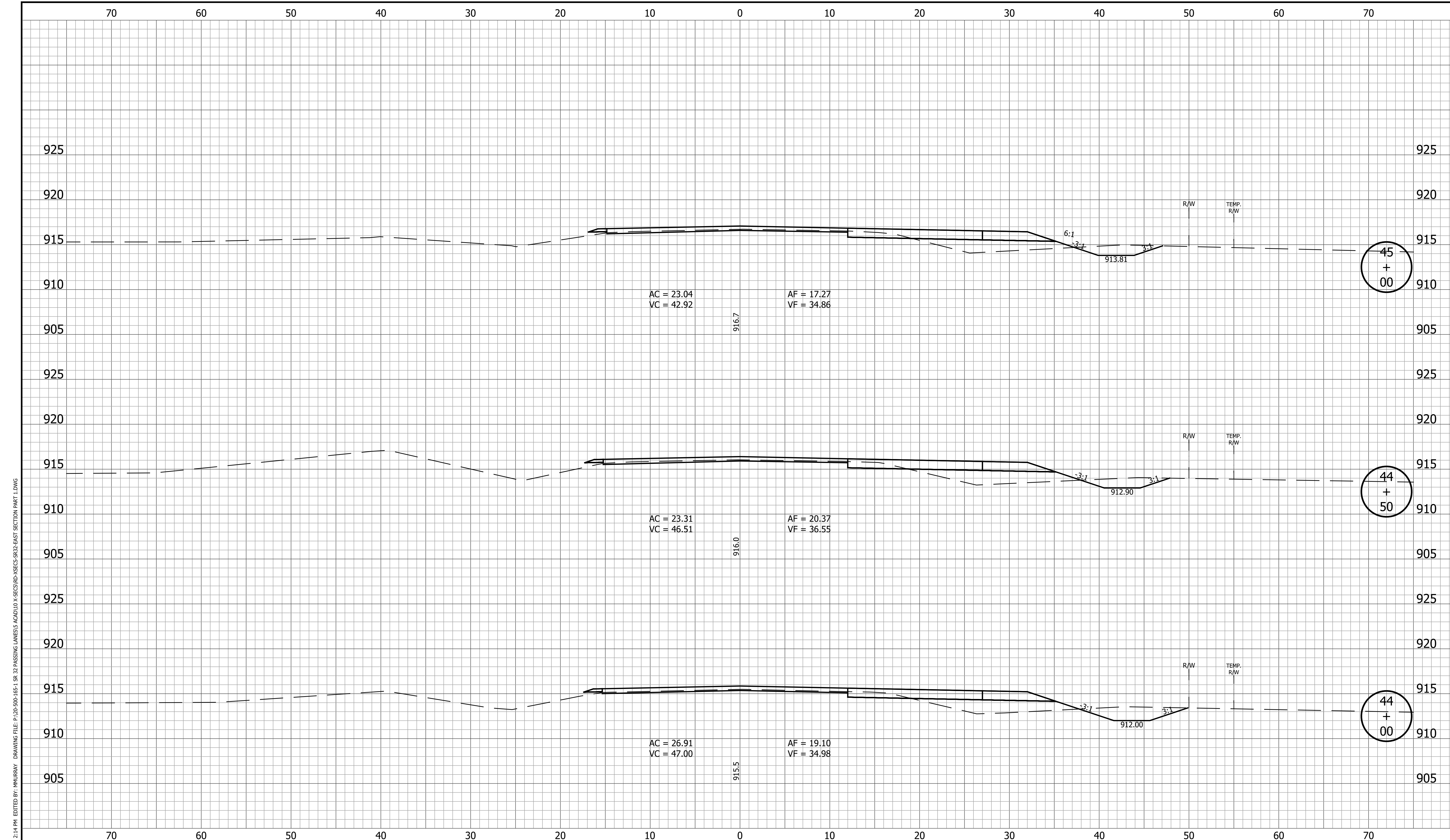


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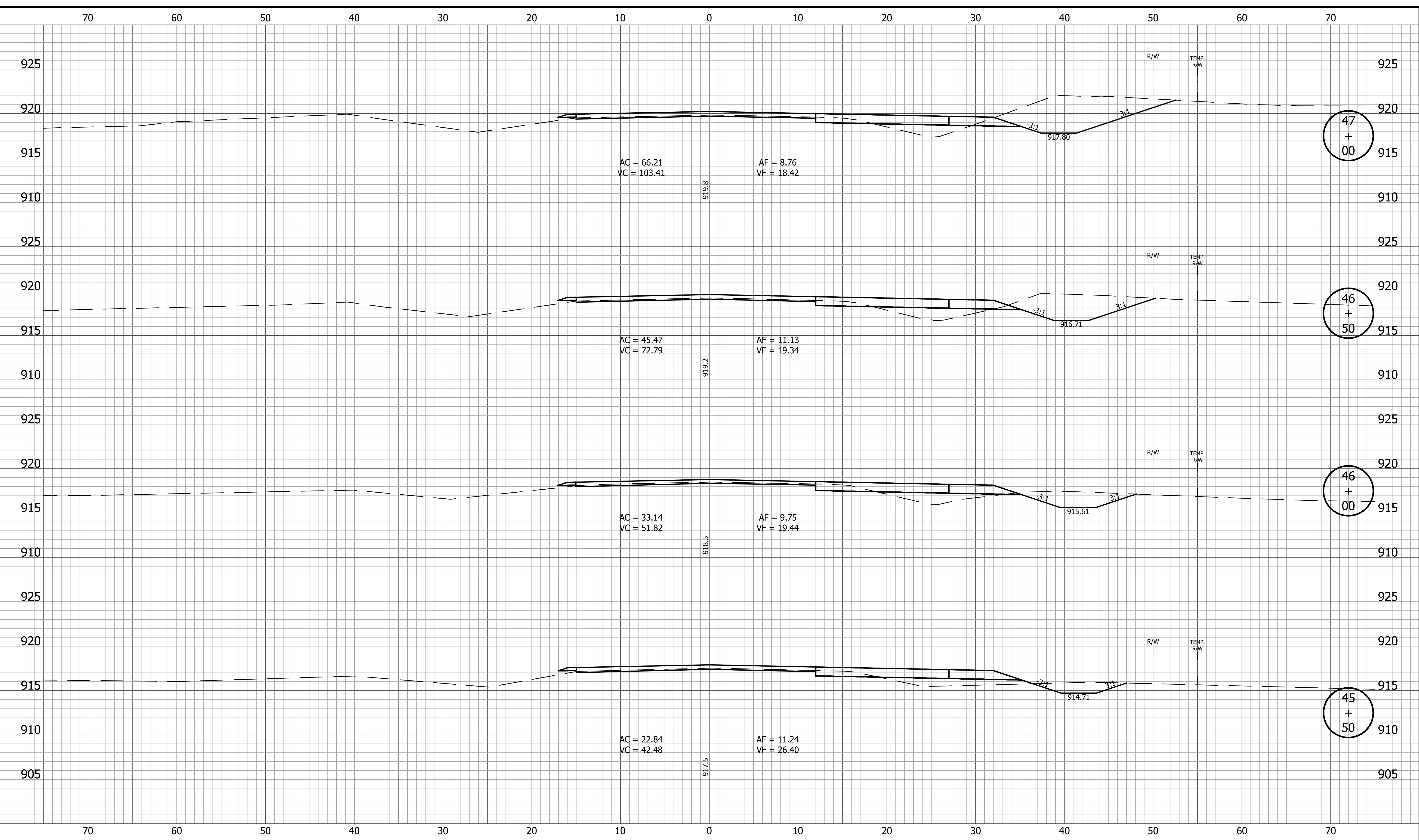
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|  | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER _____ DATE _____                | <b>CROSS SECTIONS<br/>LINE A</b>                | SURVEY BOOK _____ SHEET<br>146 of 173<br>CONTRACT PROJECT<br>R-42253 1800060                      |
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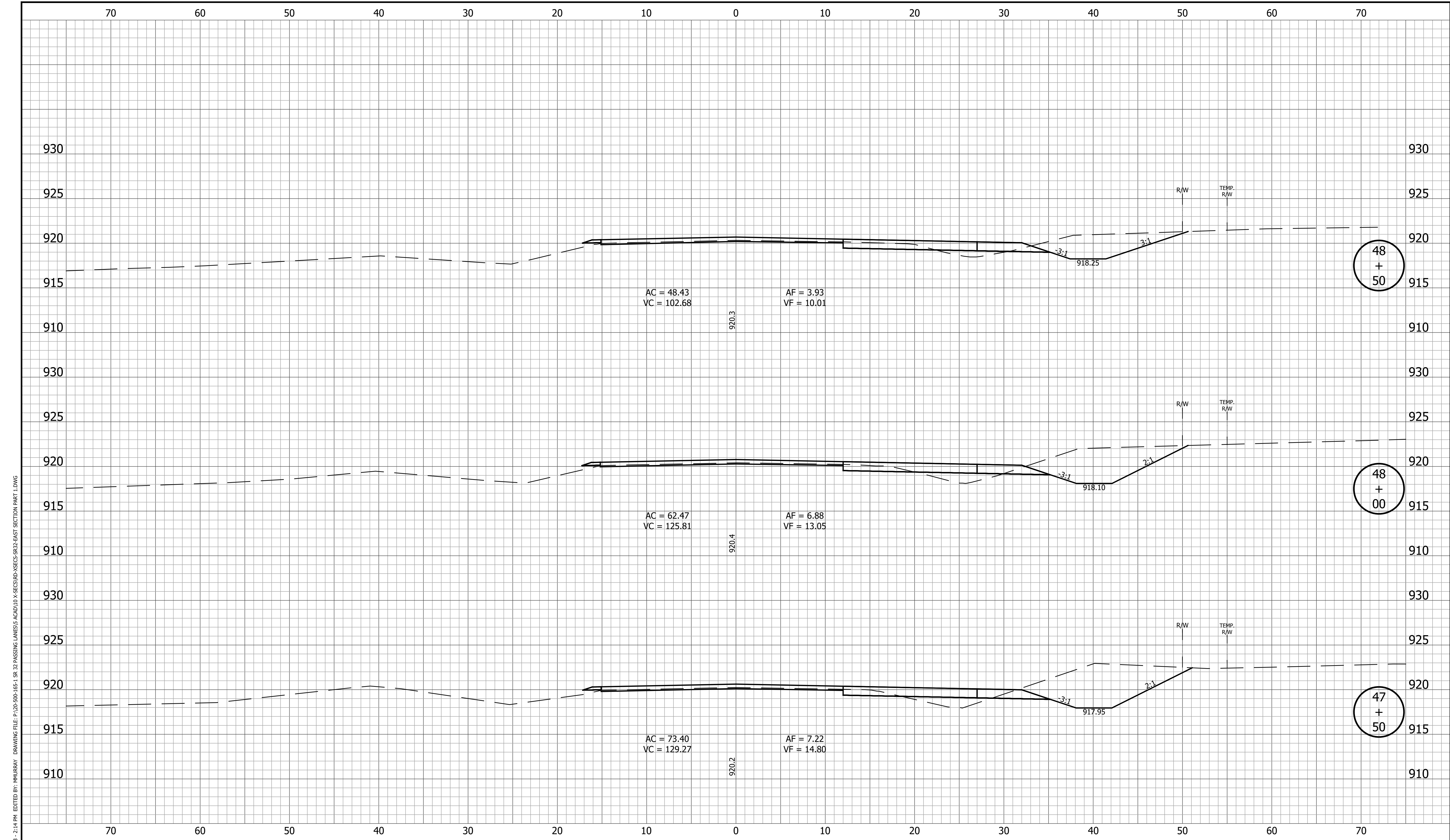
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| RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER _____ DATE _____ | <b>CROSS SECTIONS<br/>LINE A</b> |   | SURVEY BOOK _____ SHEET<br>147 of 173<br>CONTRACT PROJECT<br>R-42253 1800060                      |
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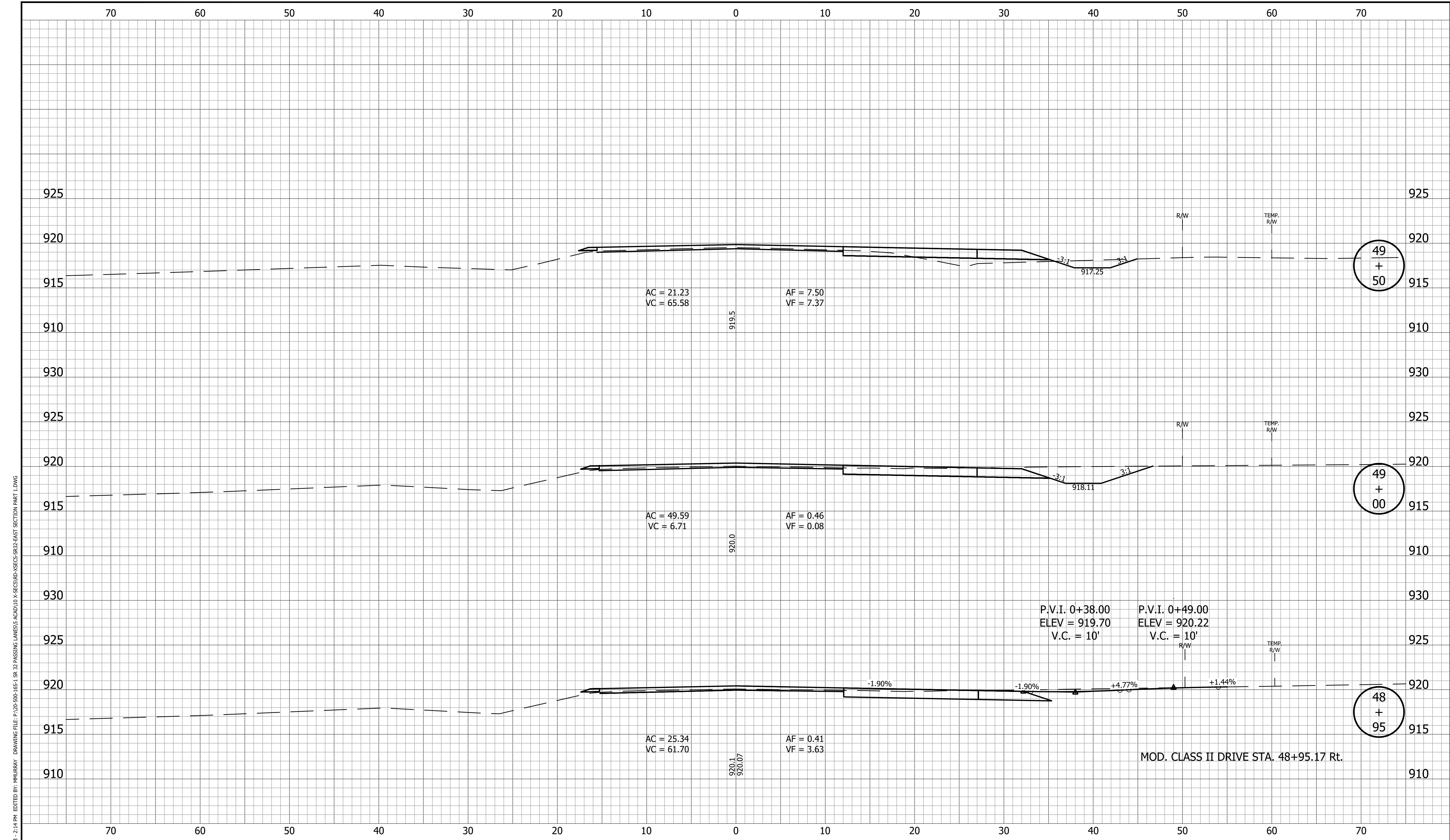


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|  |   |   | CONTRACT<br>R-42253                                      | PROJECT<br>1800060                    |



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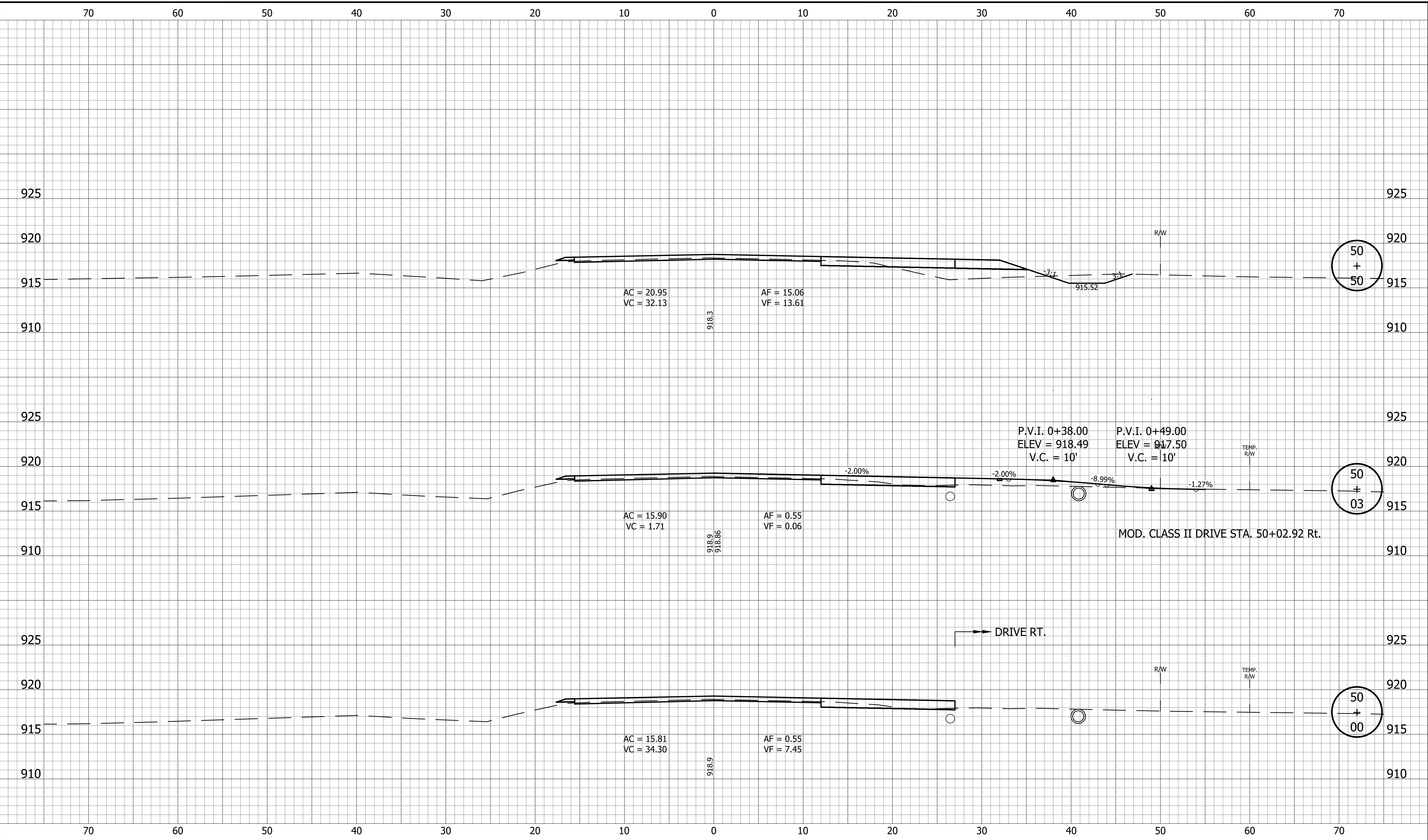
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|  |  | <b>CROSS SECTIONS LINE A</b>                           | SURVEY BOOK<br>149 of 173                                | SHEET<br>PROJECT<br>1800060           |
|  |  | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER DATE |  |                                       |
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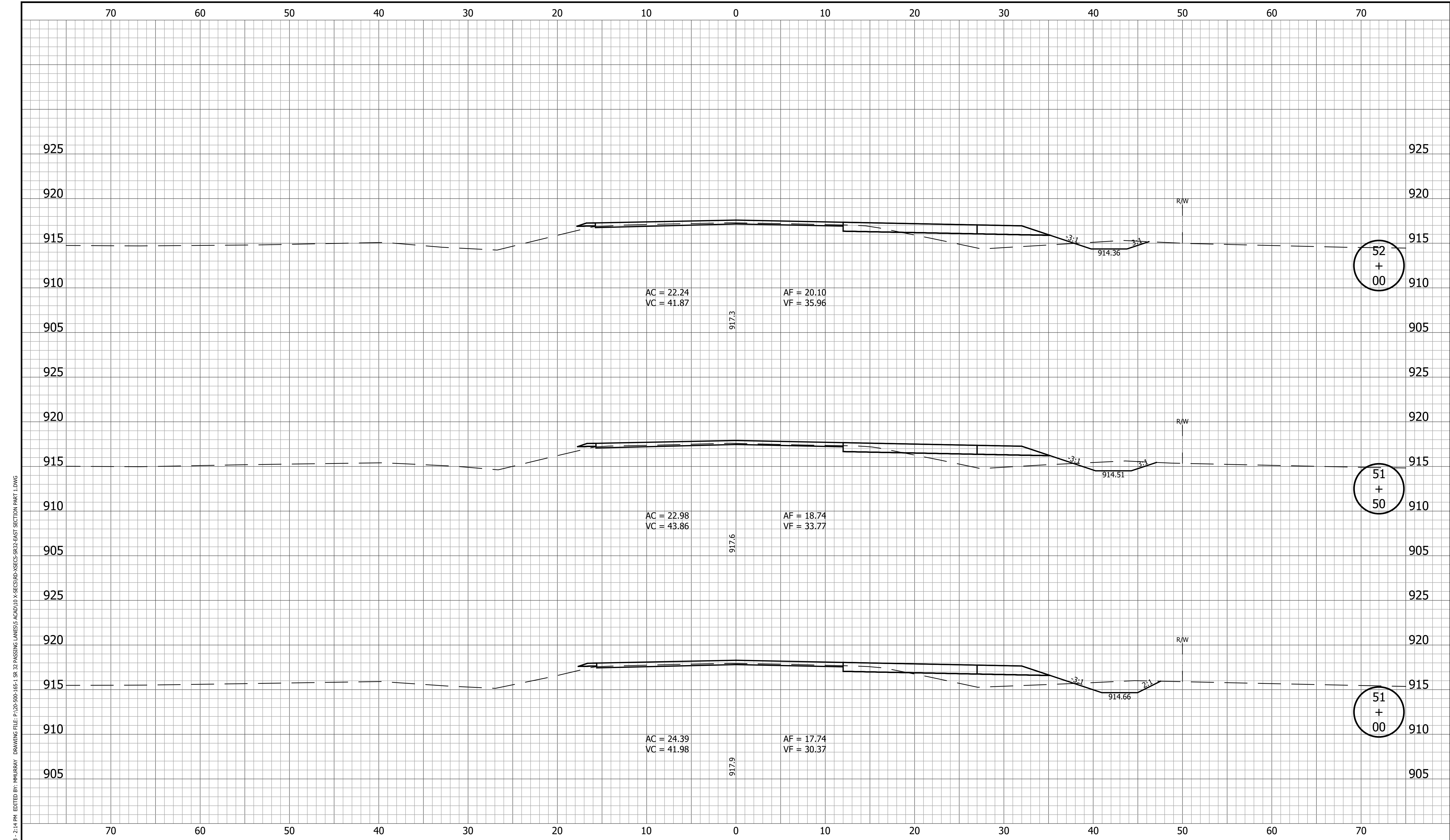
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| RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER _____ DATE _____ | <b>CROSS SECTIONS<br/>LINE A</b> |   | SURVEY BOOK _____ SHEET<br>150 of 173<br>CONTRACT PROJECT<br>R-42253 1800060                      |
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|  |  | <b>CROSS SECTIONS LINE A</b>                           | SURVEY BOOK<br>151 of 173                                | SHEET<br>PROJECT<br>1800060           |
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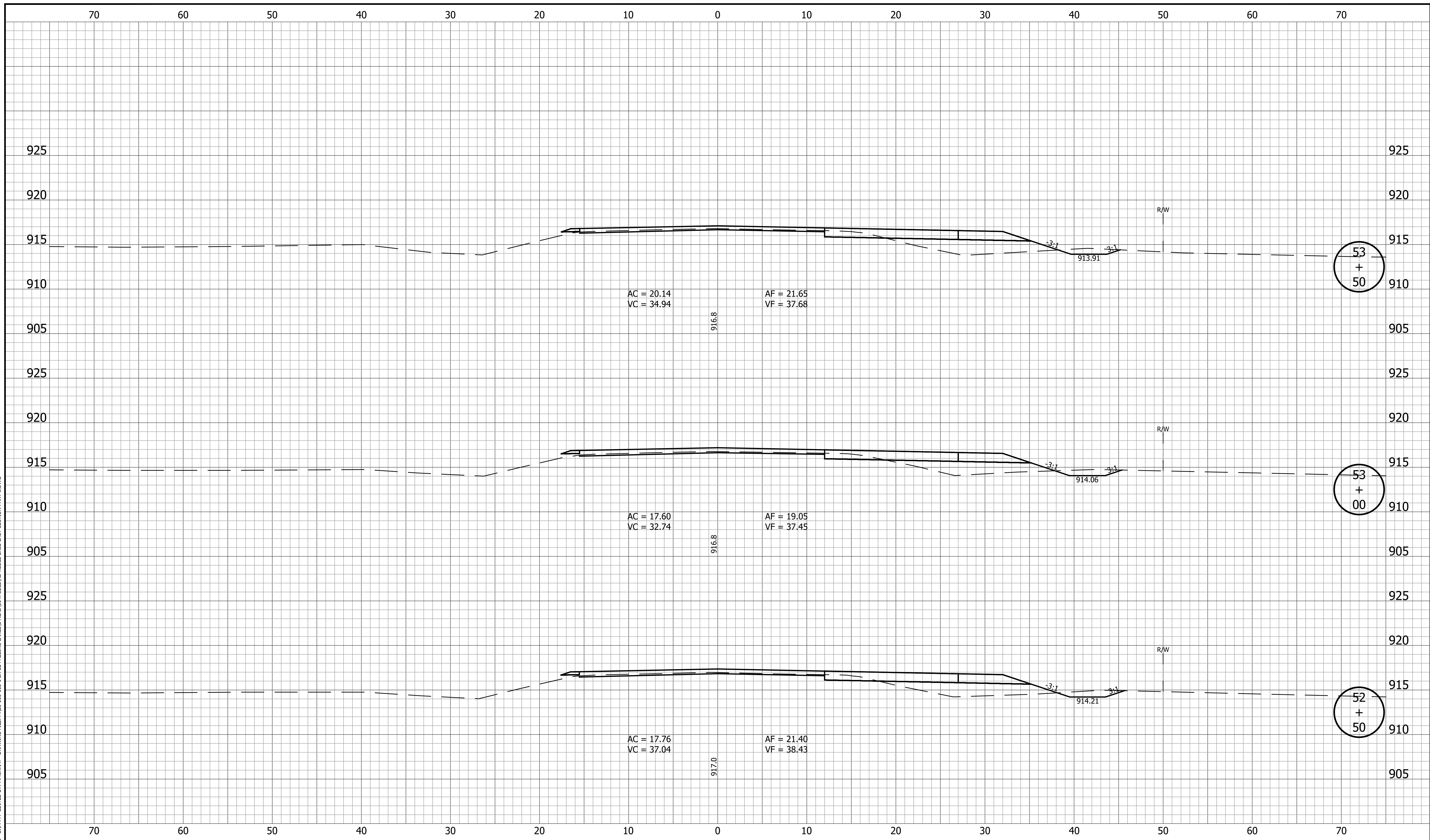


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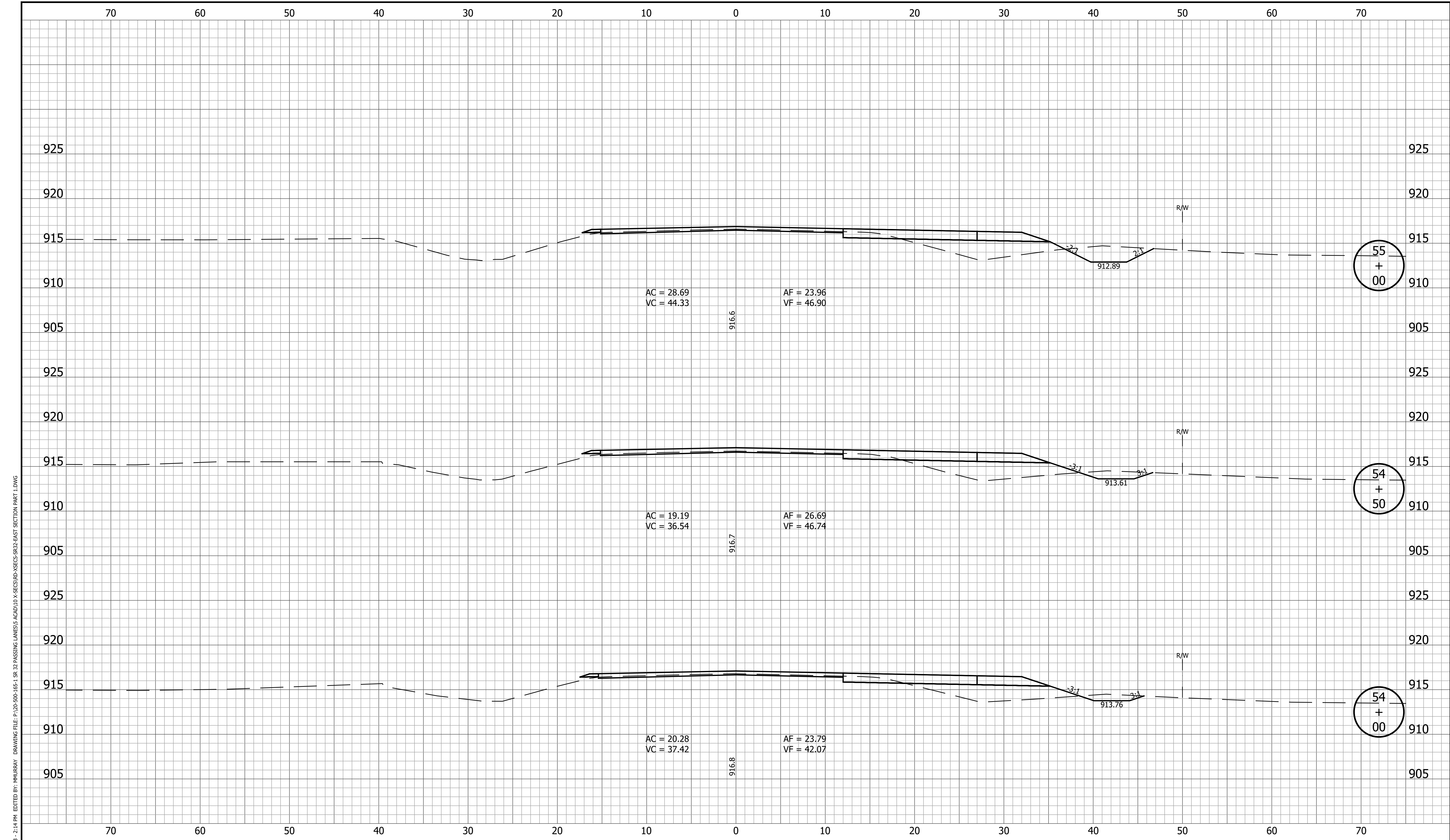
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| RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER _____ DATE _____ | <b>CROSS SECTIONS<br/>LINE A</b> |   | SURVEY BOOK _____ SHEET<br>152 of 173<br>CONTRACT PROJECT<br>R-42253 1800060                      |
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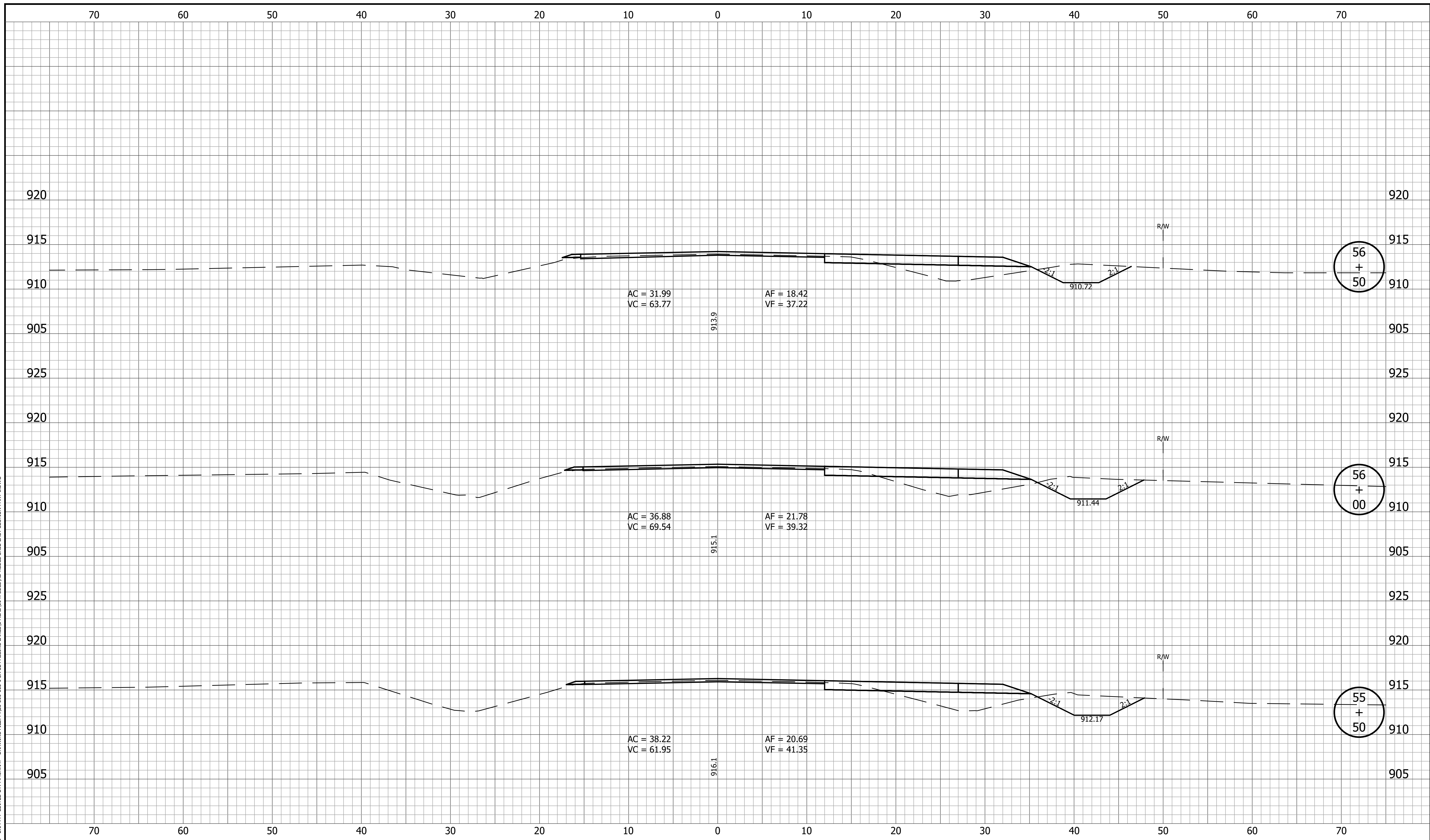
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|  |  |   | CONTRACT PROJECT<br>R-42253 1800060                                     |



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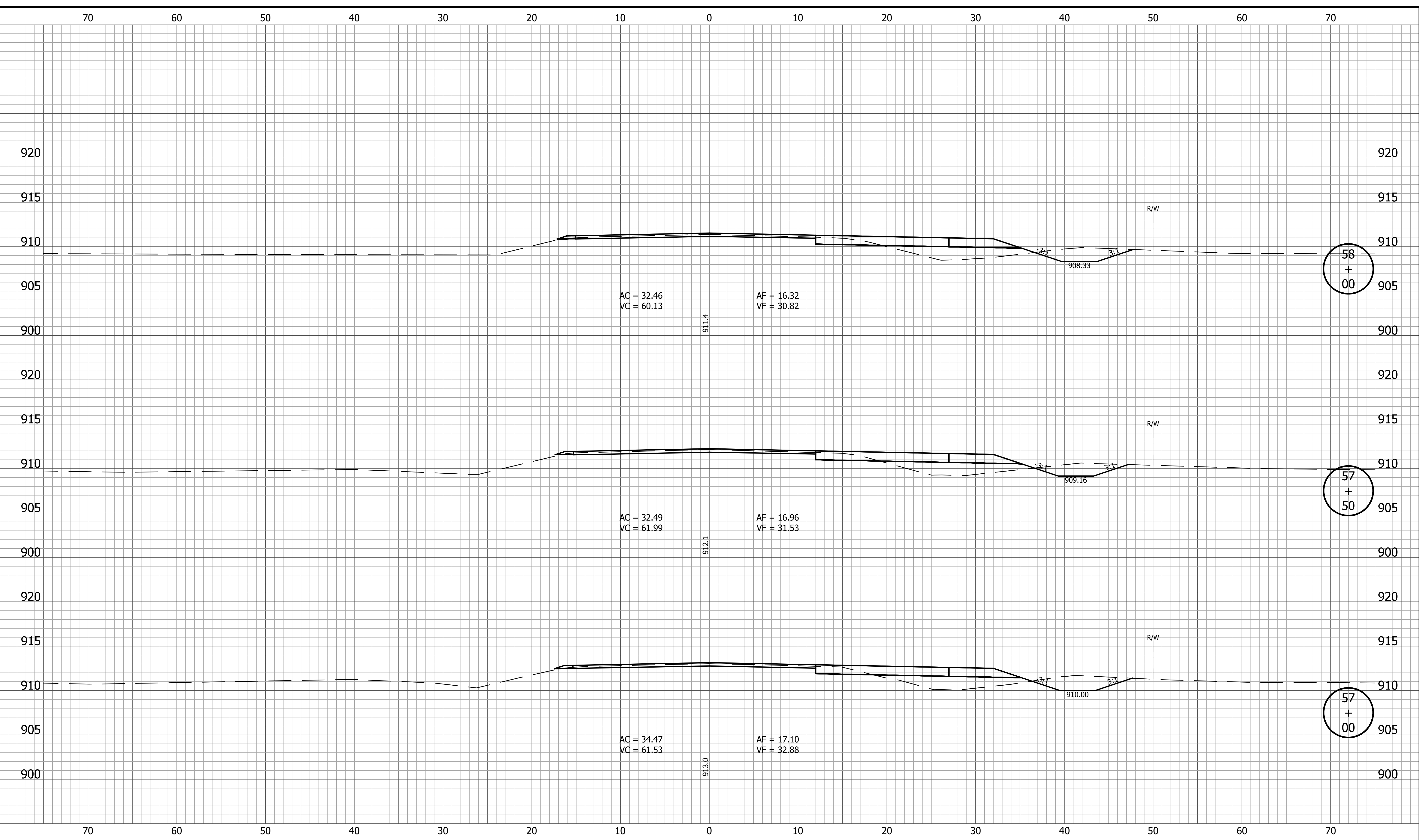
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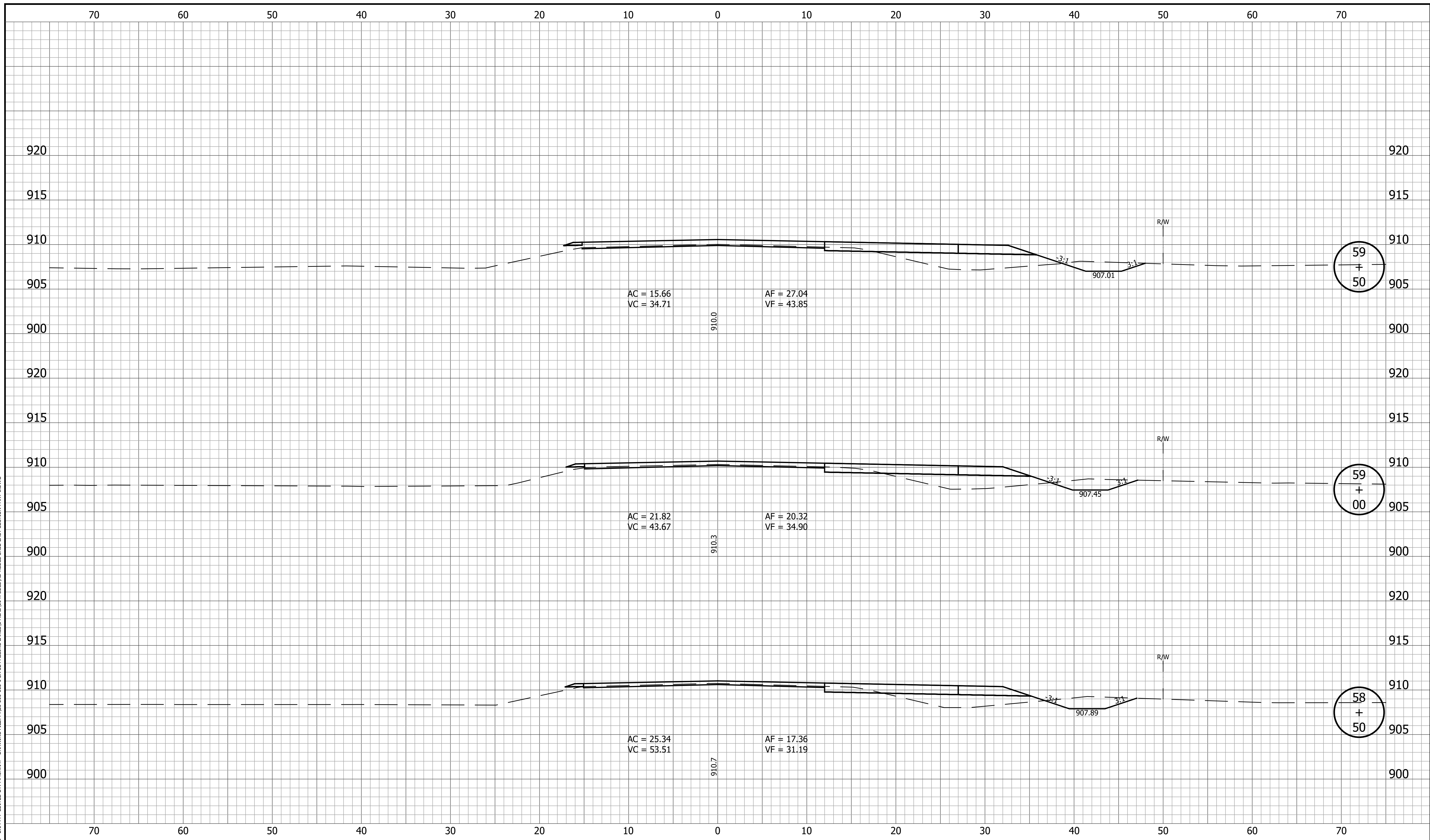
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| RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER _____ DATE _____ | <b>CROSS SECTIONS<br/>LINE A</b> |   | SURVEY BOOK _____ SHEET _____<br>155 of 173<br>CONTRACT PROJECT<br>R-42253 1800060                |
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|  | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER DATE                            | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b> | HORIZONTAL SCALE<br>1" = 5'<br>VERTICAL SCALE<br>1" = 5' | BRIDGE FILE<br>DESIGNATION<br>1800060 |
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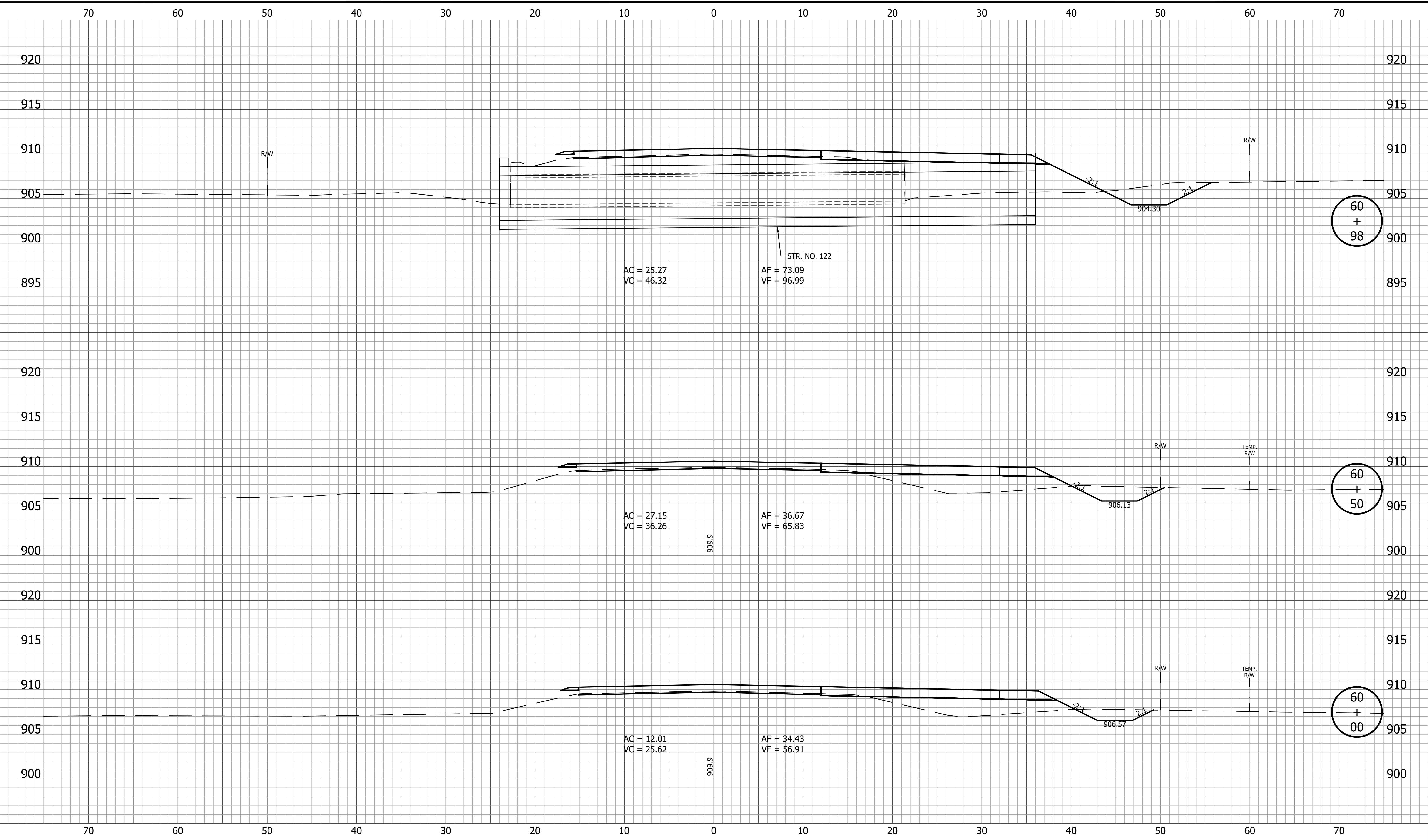
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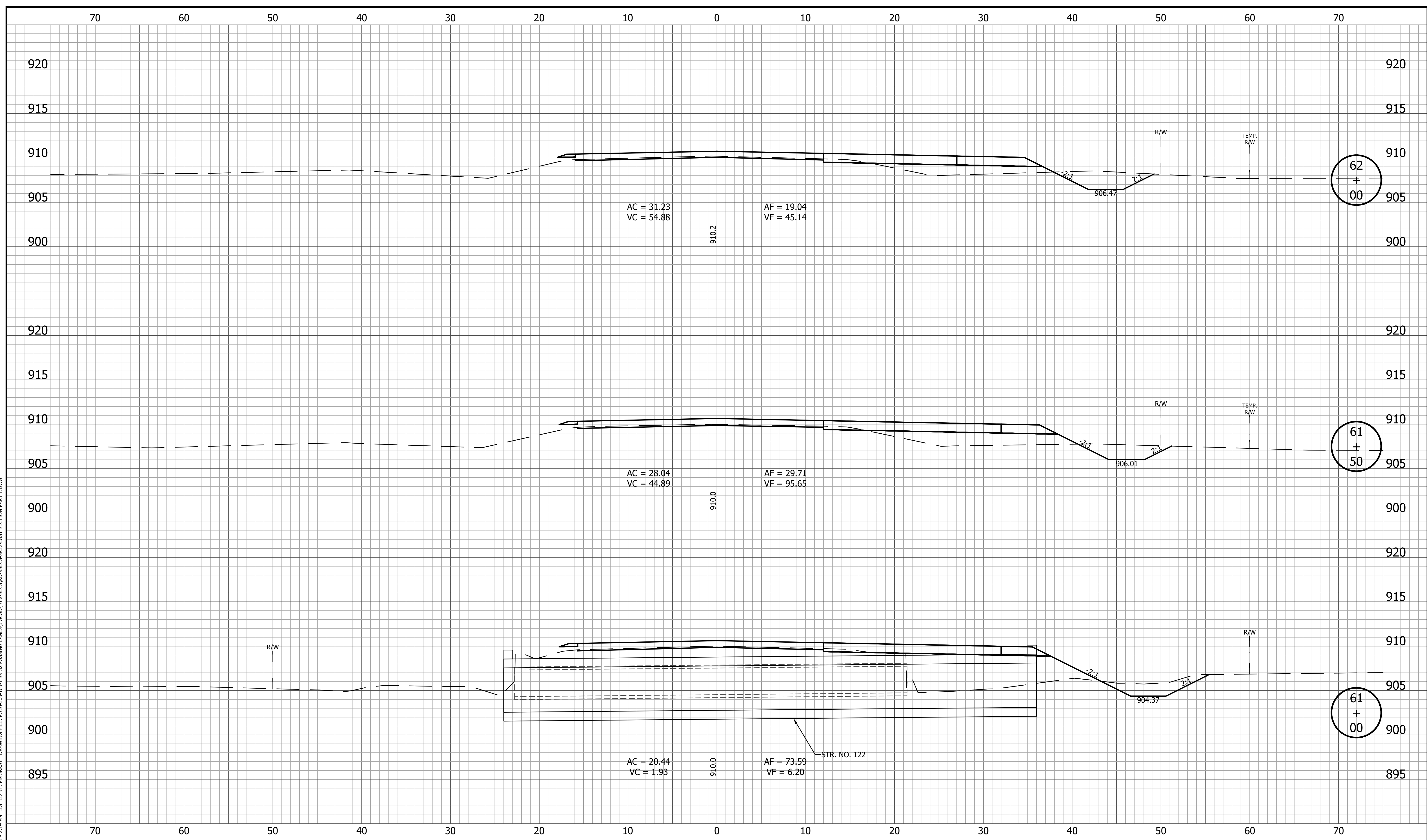
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|  |  |   |  |                                      |  |                             |  | 157 of 173             |  |
|  |  |   |  |                                      |  | CONTRACT<br>R-42253         |  | PROJECT<br>1800060     |  |

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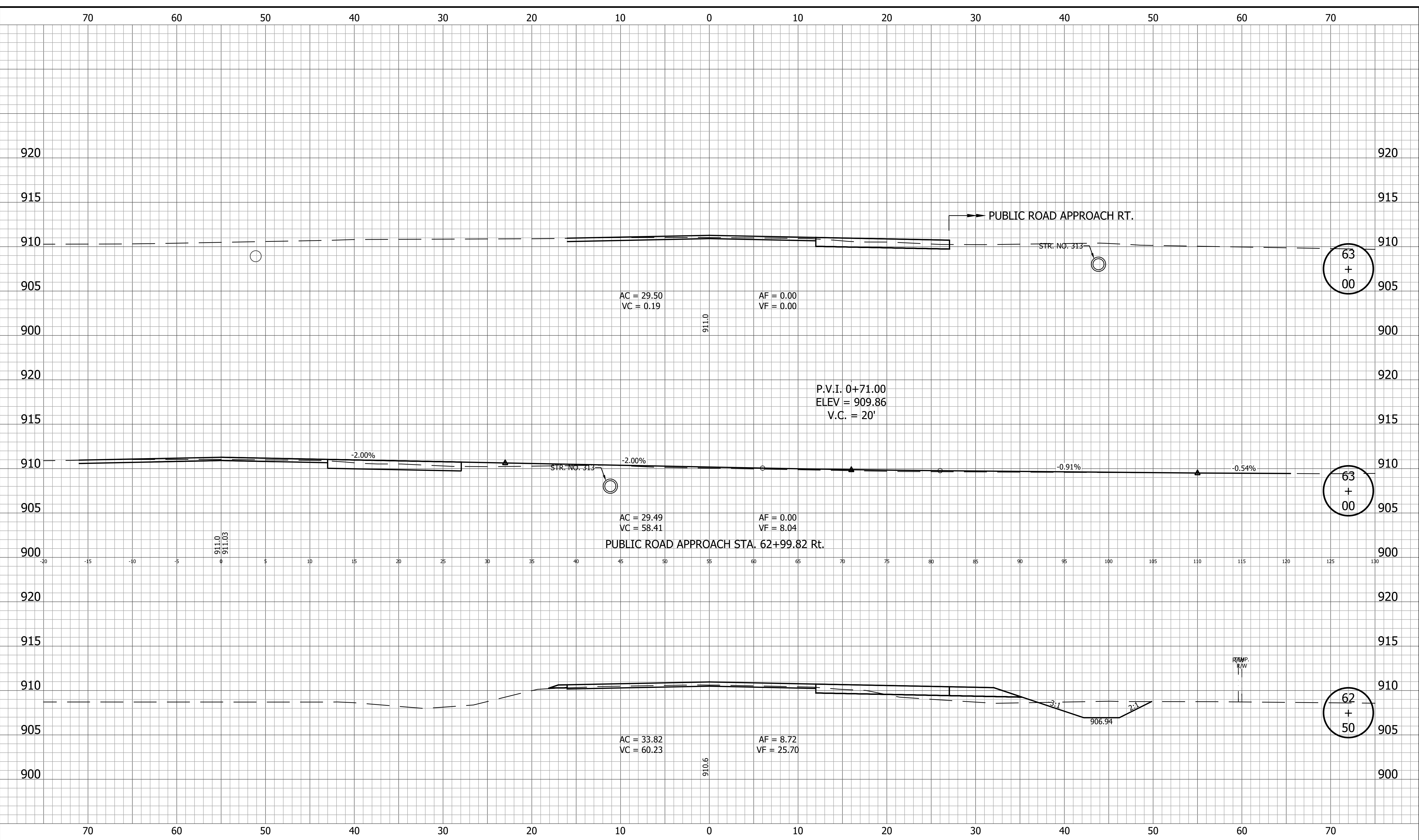
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|  |  | <b>CROSS SECTIONS<br/>LINE A</b>  | SURVEY BOOK<br>158 of 173<br>SHEET<br>CONTRACT<br>R-42253<br>PROJECT<br>1800060                   |
|  |  | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER _____ DATE _____                |   |
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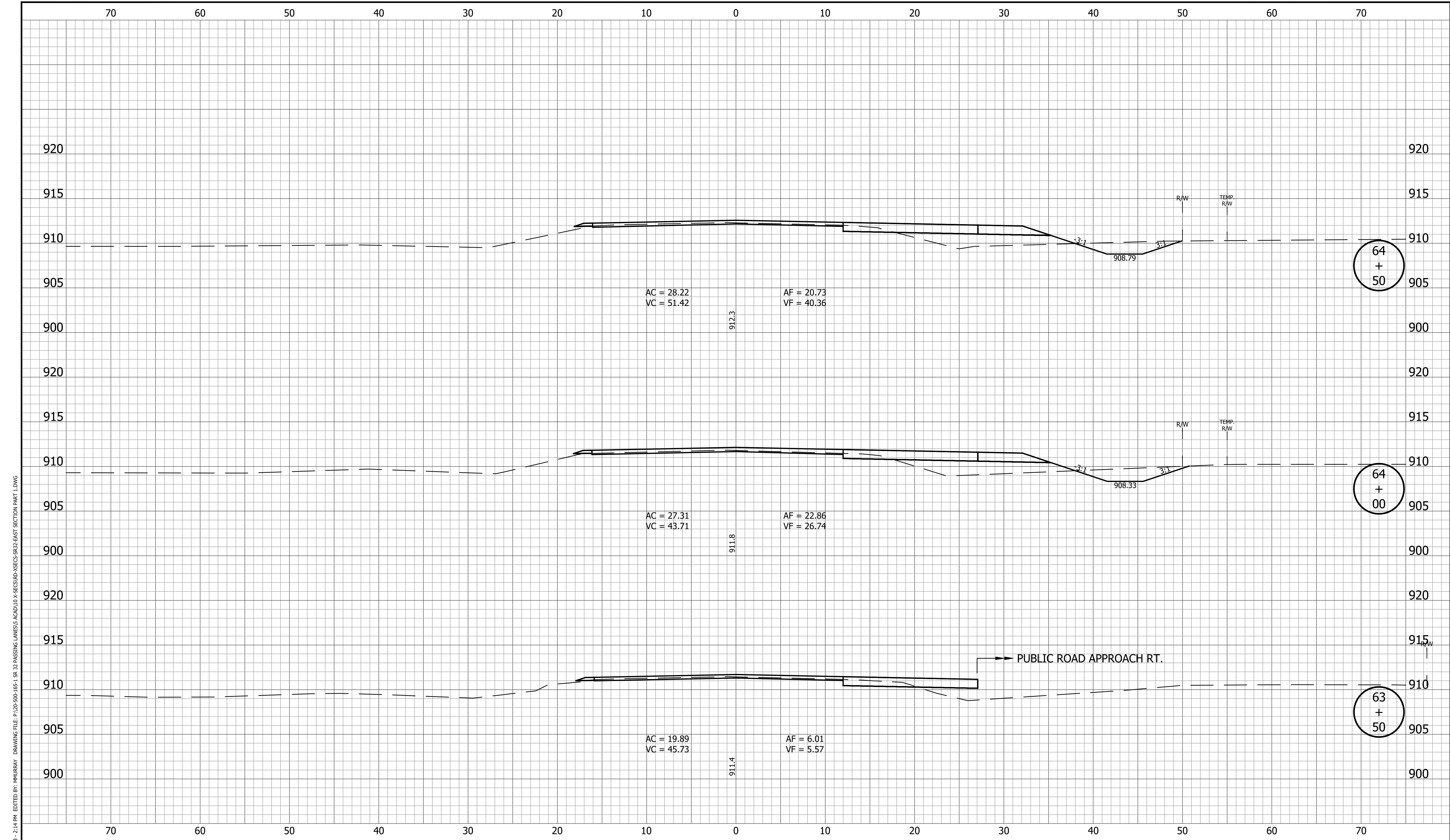
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|  |  | <b>INDIANA<br/>DEPARTMENT OF TRANSPORTATION</b>                                   | HORIZONTAL SCALE<br>1" = 5'<br>VERTICAL SCALE<br>1" = 5'<br>SURVEY BOOK<br>160 of 173<br>CONTRACT<br>R-42253<br>BRIDGE FILE<br>DESIGNATION<br>1800060<br>SHEET<br>PROJECT<br>1800060 |
|  |  | <b>CROSS SECTIONS<br/>LINE A</b>  |  |
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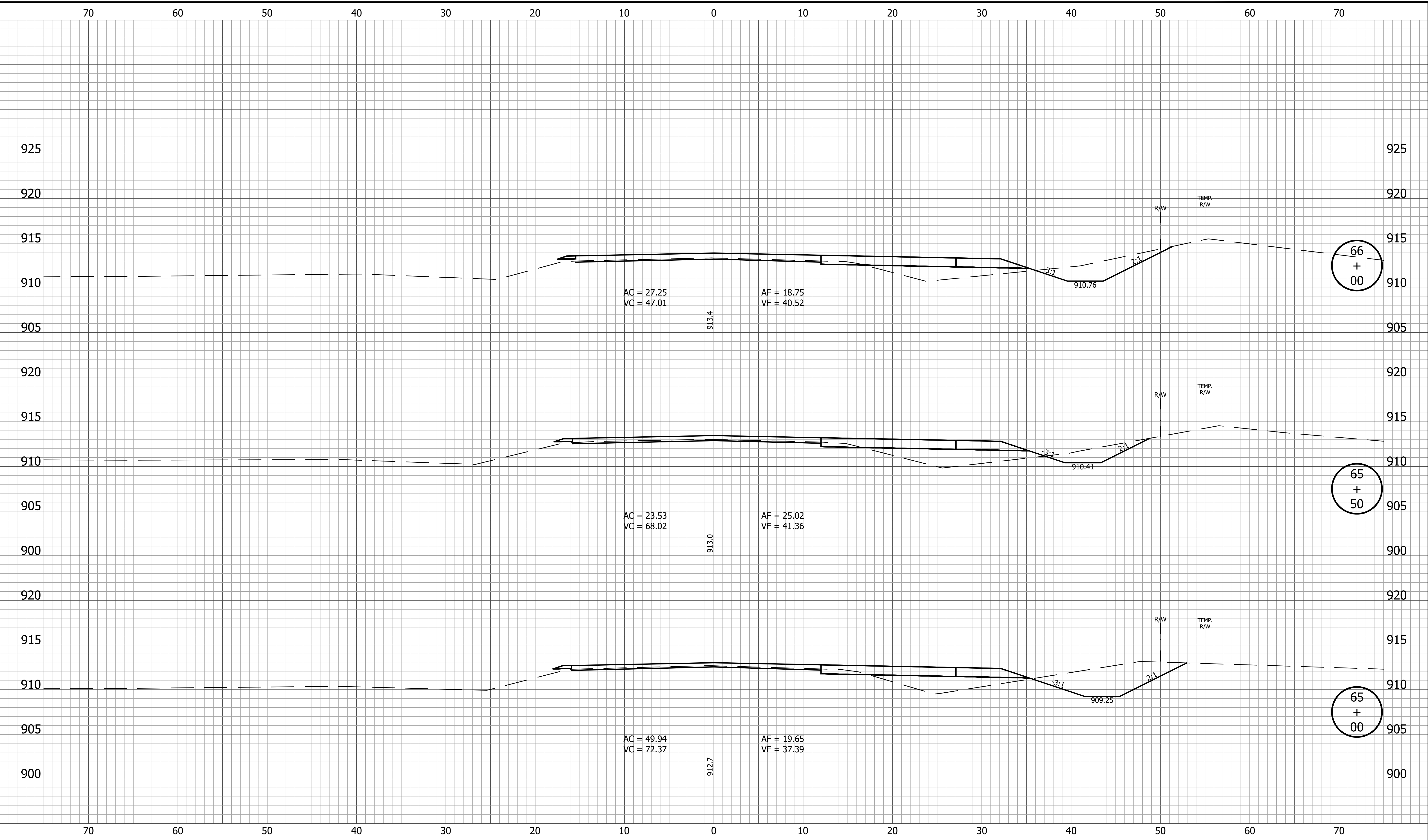




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|   |  | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER DATE                            | HORIZONTAL SCALE<br>1" = 5'<br>VERTICAL SCALE<br>1" = 5'<br>BRIDGE FILE<br>DESIGNATION<br>1800060 |
|   |  | DESIGNED: <u>KRU</u> DRAWN: <u>KRU</u><br>CHECKED: <u>RDS</u> CHECKED: <u>RDS</u> | SURVEY BOOK _____ SHEET _____<br>161 of 173<br>CONTRACT PROJECT<br>R-42253 1800060                |
| <b>INDIANA DEPARTMENT OF TRANSPORTATION</b><br><b>CROSS SECTIONS LINE A</b> |  |   |   |

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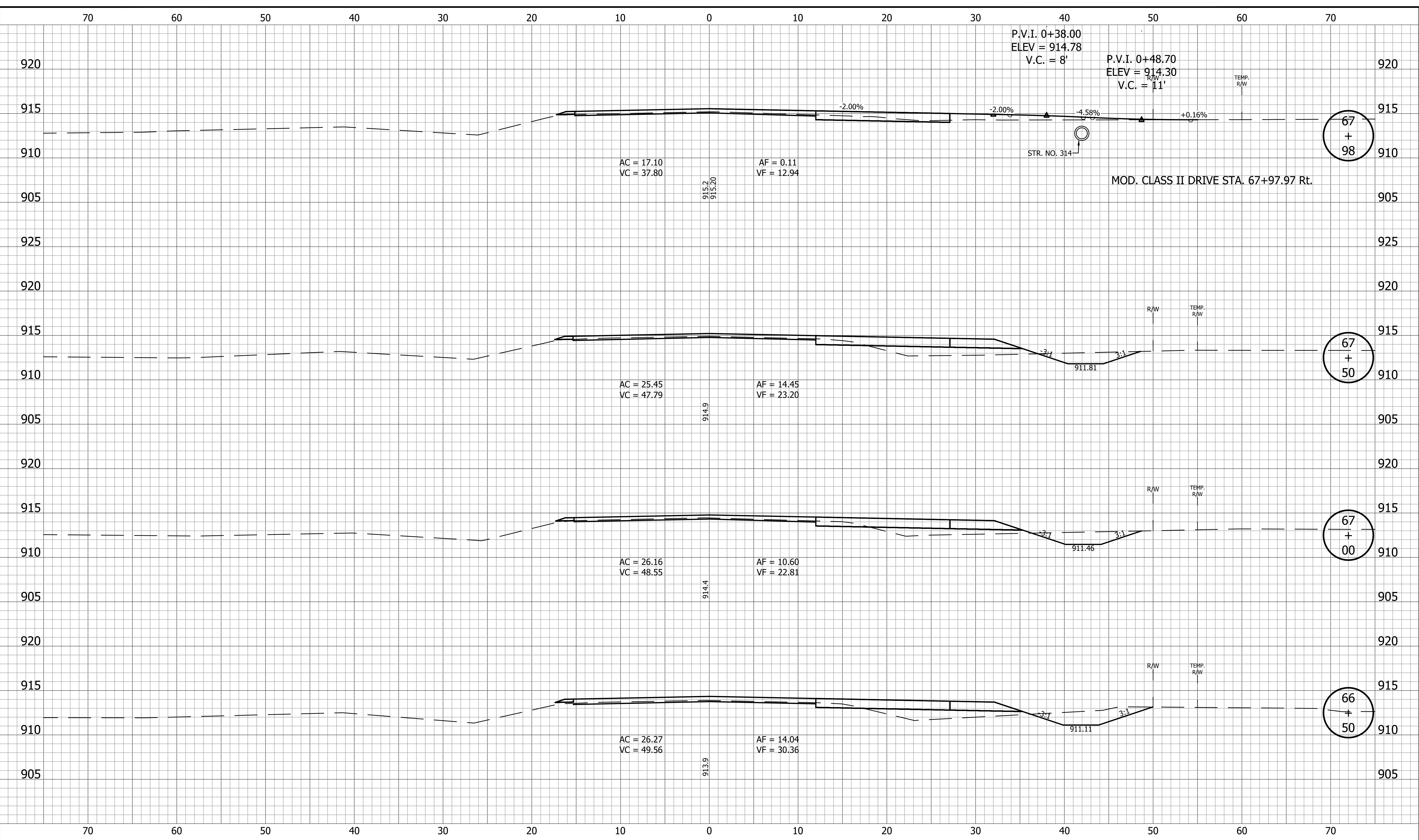
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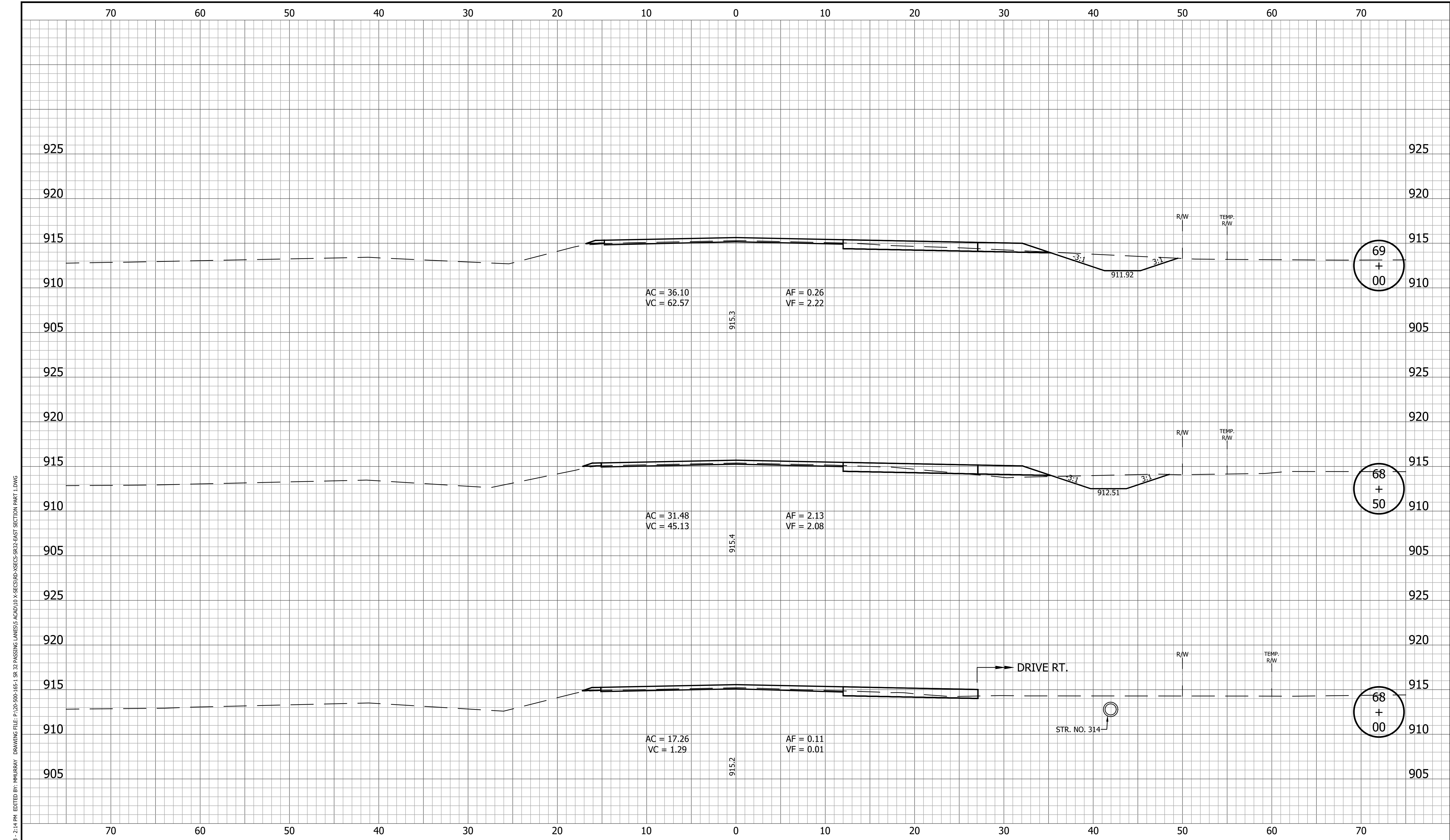
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|  | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER DATE                            | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b> | HORIZONTAL SCALE<br>1" = 5'<br>VERTICAL SCALE<br>1" = 5' | BRIDGE FILE<br>DESIGNATION<br>1800060 |
|  | DESIGNED: <u>KRU</u> DRAWN: <u>KRU</u><br>CHECKED: <u>RDS</u> CHECKED: <u>RDS</u> | <b>CROSS SECTIONS<br/>LINE A</b>            | SURVEY BOOK<br>162 of 173                                | SHEET<br>PROJECT<br>1800060           |
|  |   |   | CONTRACT<br>R-42253                                      | PROJECT<br>1800060                    |

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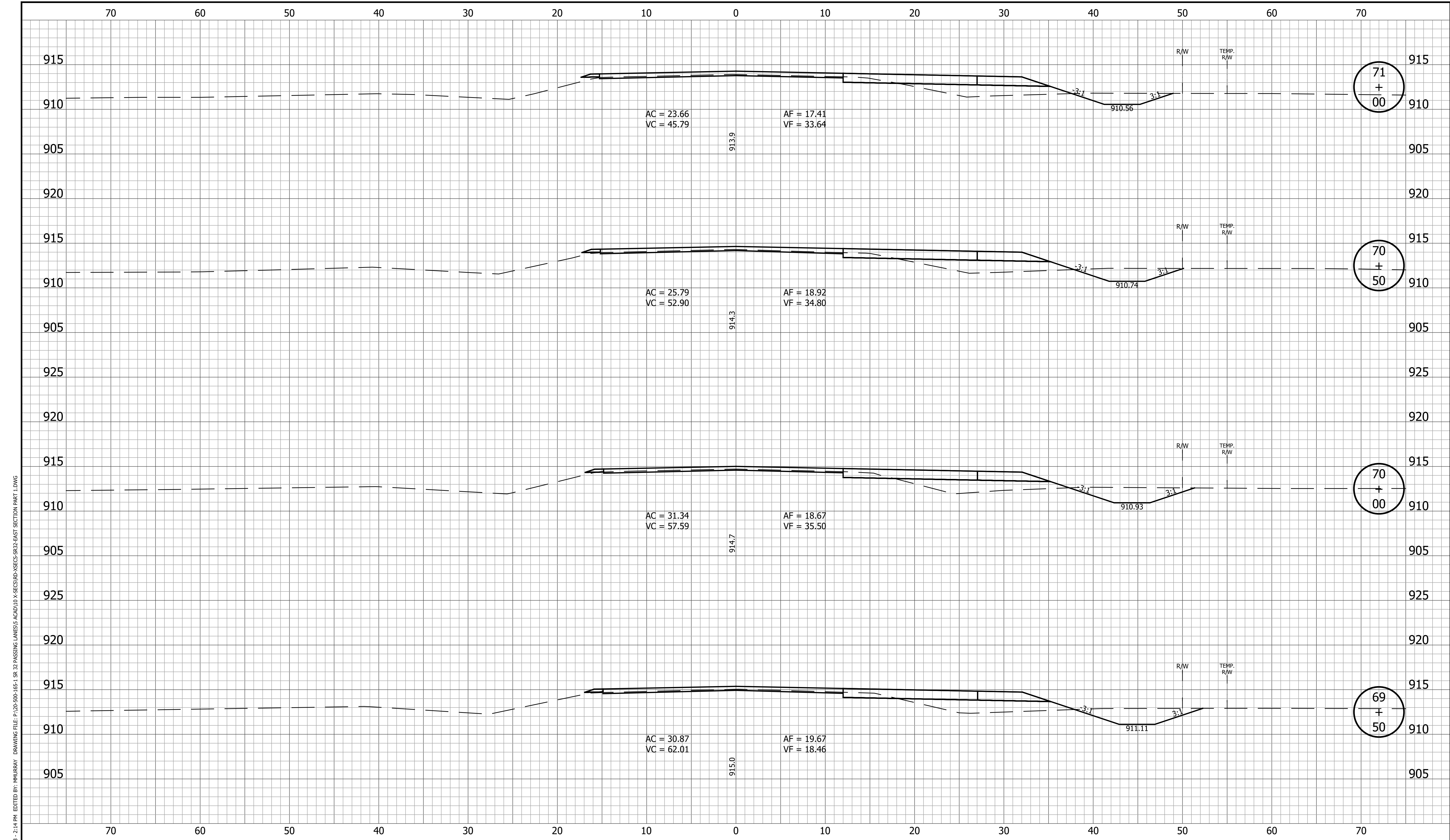


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|                              | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER DATE | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b> | HORIZONTAL SCALE<br>1" = 5'<br>BRIDGE FILE          |
|                              |  |   | VERTICAL SCALE<br>1" = 5'<br>DESIGNATION<br>1800060 |
|                              | DESIGNED: <u>KRU</u><br>CHECKED: <u>RDS</u>            | DRAWN: <u>KRU</u><br>CHECKED: <u>RDS</u>    | SURVEY BOOK<br>163 of 173<br>PROJECT<br>1800060     |
| <b>CROSS SECTIONS LINE A</b> |  |   |   |



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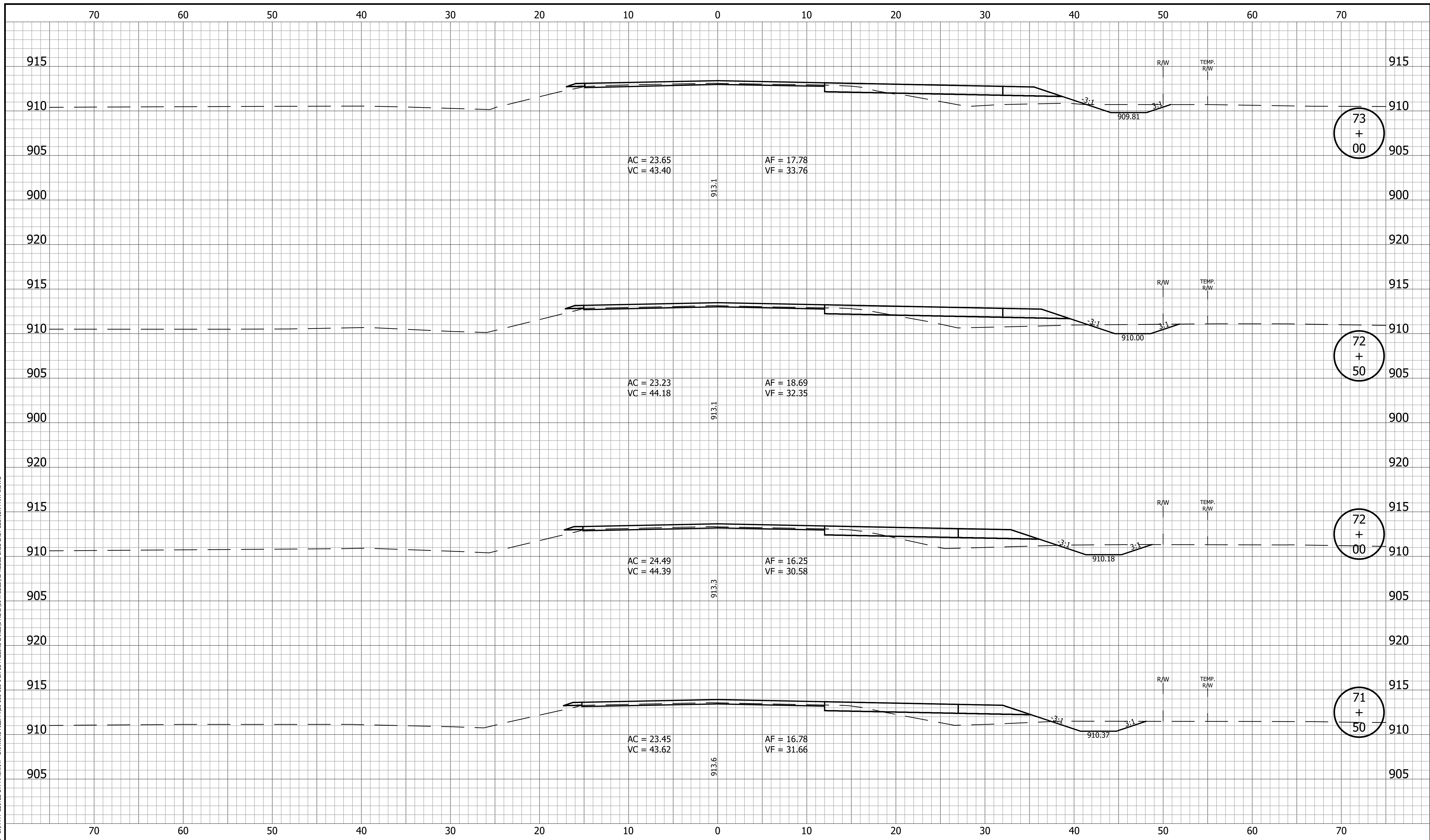
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|  | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER _____ DATE _____ | <b>CROSS SECTIONS<br/>LINE A</b>                | SURVEY BOOK _____ SHEET _____<br>164 of 173<br>CONTRACT R-42253 PROJECT 1800060                   |
|  | DESIGNED: <u>KRU</u><br>CHECKED: <u>RDS</u>                        | DRAWN: <u>KRU</u><br>CHECKED: <u>RDS</u>        |   |



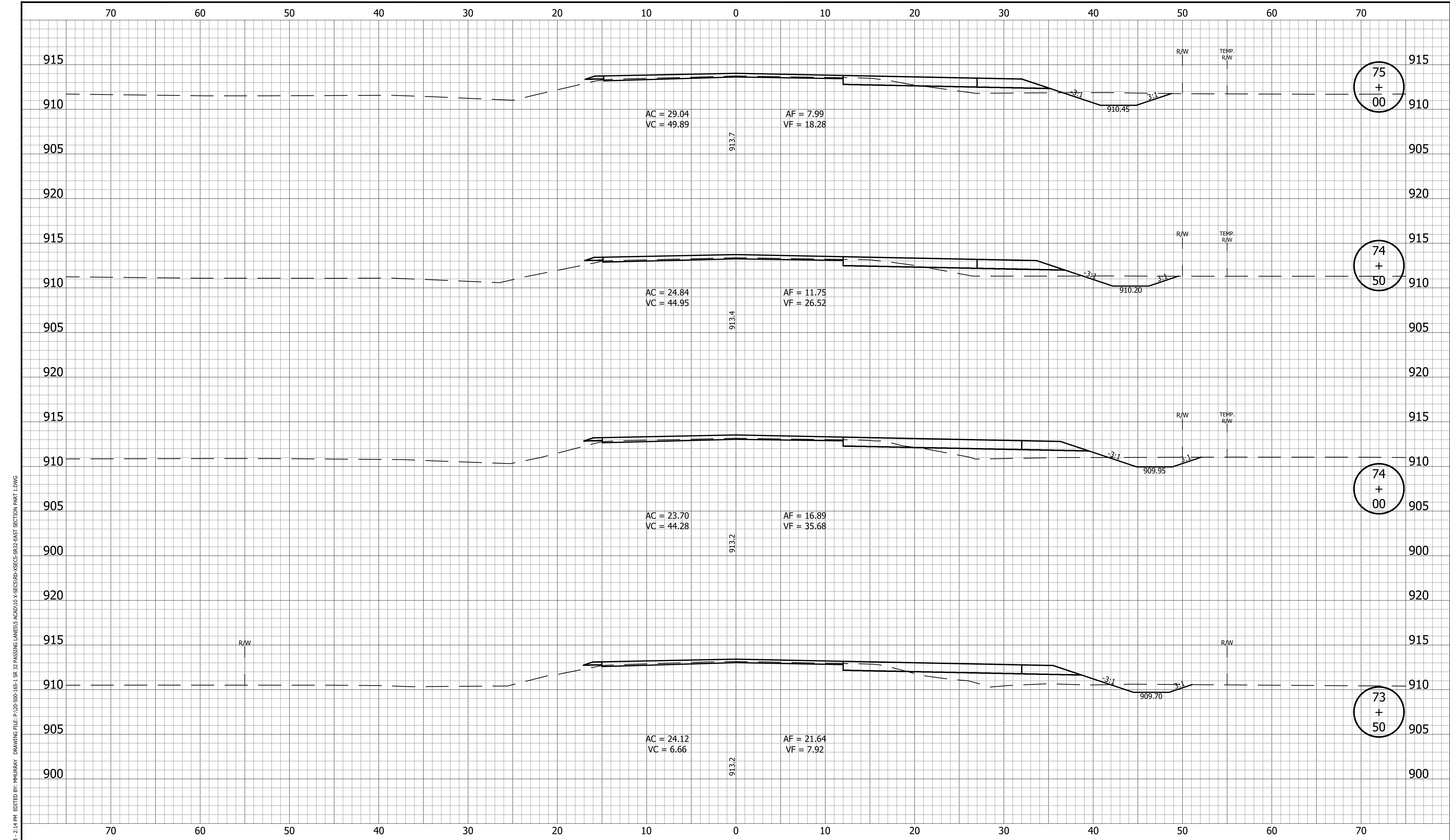
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|  | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER DATE                            | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b> | HORIZONTAL SCALE<br>1" = 5'<br>VERTICAL SCALE<br>1" = 5' | BRIDGE FILE<br>DESIGNATION<br>1800060 |
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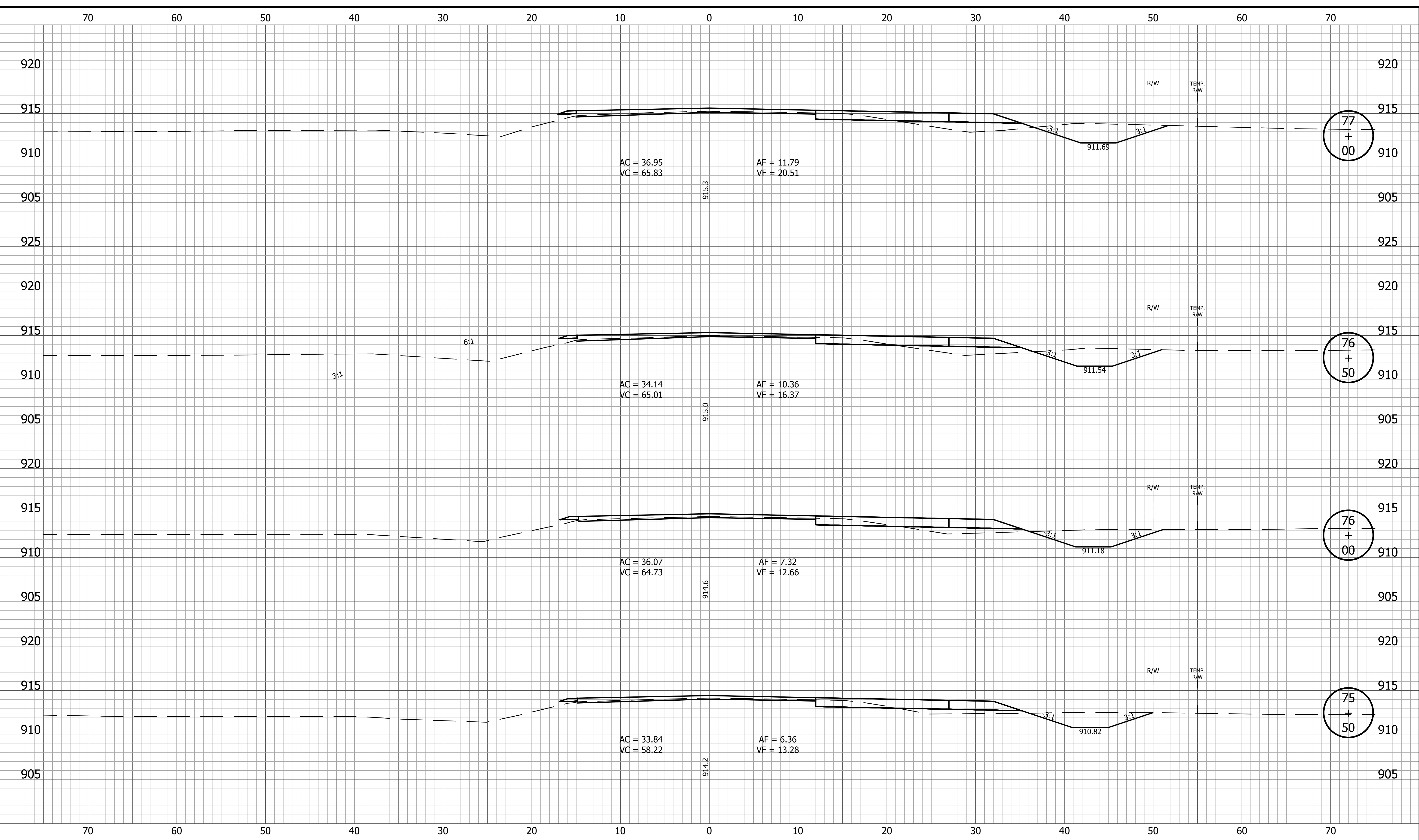
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|  | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER DATE                            | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b> | HORIZONTAL SCALE<br>1" = 5'<br>VERTICAL SCALE<br>1" = 5' | BRIDGE FILE<br>DESIGNATION<br>1800060 |
|  | DESIGNED: <u>KRU</u> DRAWN: <u>KRU</u><br>CHECKED: <u>RDS</u> CHECKED: <u>RDS</u> | <b>CROSS SECTIONS<br/>LINE A</b>            | SURVEY BOOK<br>166 of 173                                | SHEET<br>PROJECT<br>1800060           |
|  |   |   | CONTRACT<br>R-42253                                      | PROJECT<br>1800060                    |



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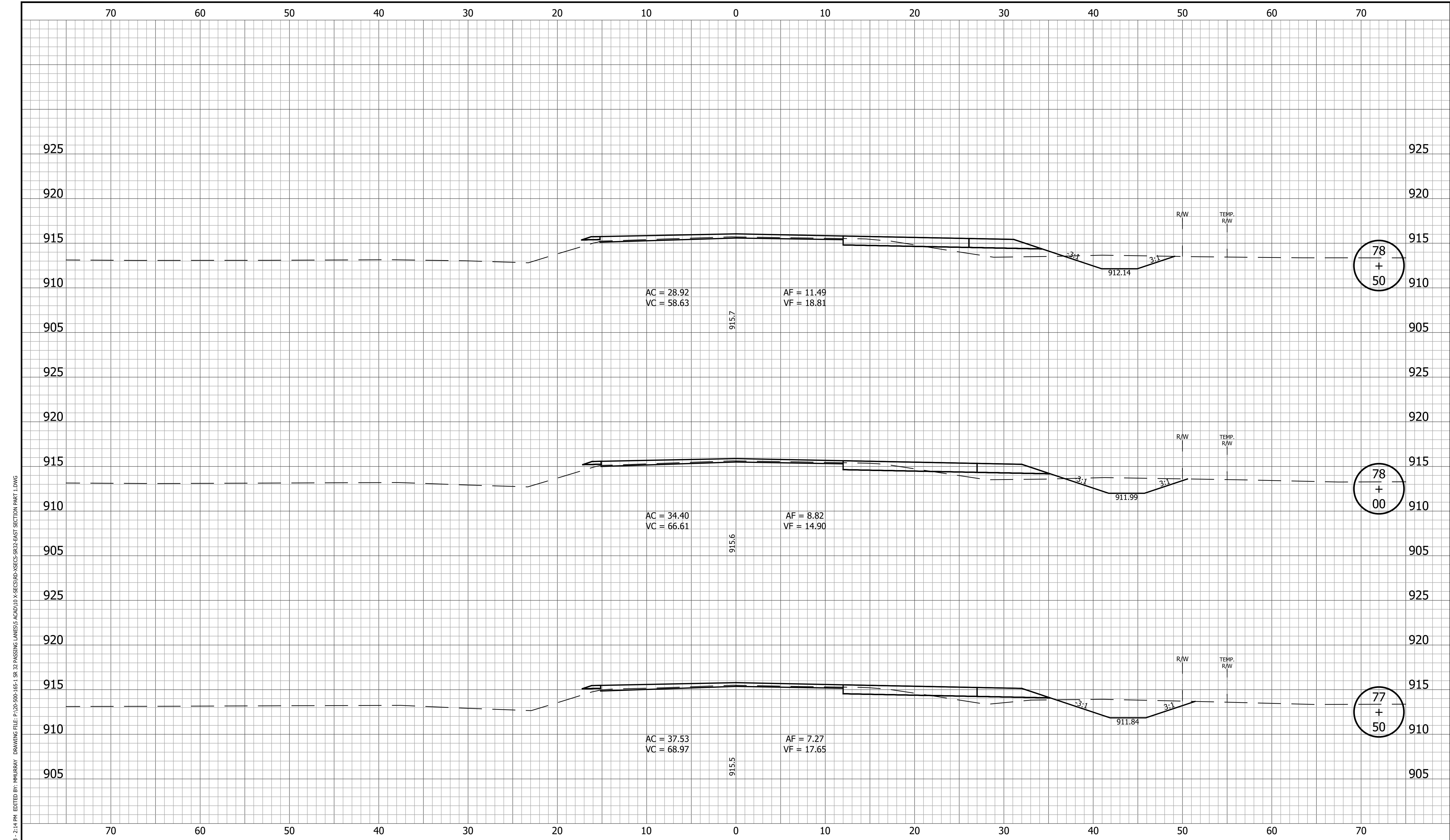
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|  | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER DATE                            | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b> | HORIZONTAL SCALE<br>1" = 5'<br>VERTICAL SCALE<br>1" = 5'<br>BRIDGE FILE                                     |
|  | DESIGNED: <u>KRU</u> DRAWN: <u>KRU</u><br>CHECKED: <u>RDS</u> CHECKED: <u>RDS</u> | <b>CROSS SECTIONS LINE A</b>                | DESIGNATION<br>1800060<br>SURVEY BOOK<br>SHEET<br>167 of 173<br>CONTRACT<br>PROJECT<br>R-42253      1800060 |

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|  | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER _____ DATE _____                | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b> | HORIZONTAL SCALE<br>1" = 5'<br>VERTICAL SCALE<br>1" = 5' | BRIDGE FILE<br>DESIGNATION<br>1800060 |
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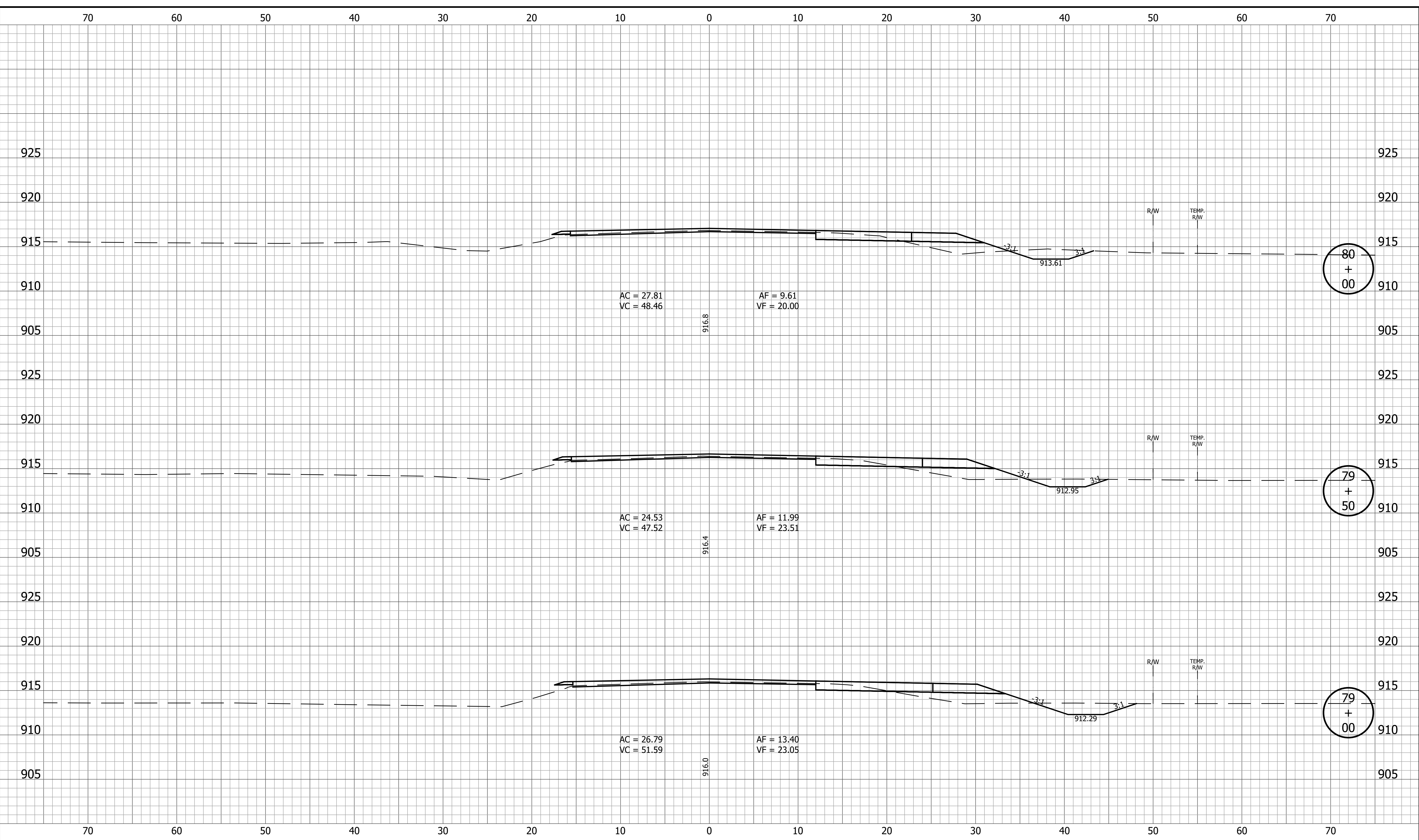




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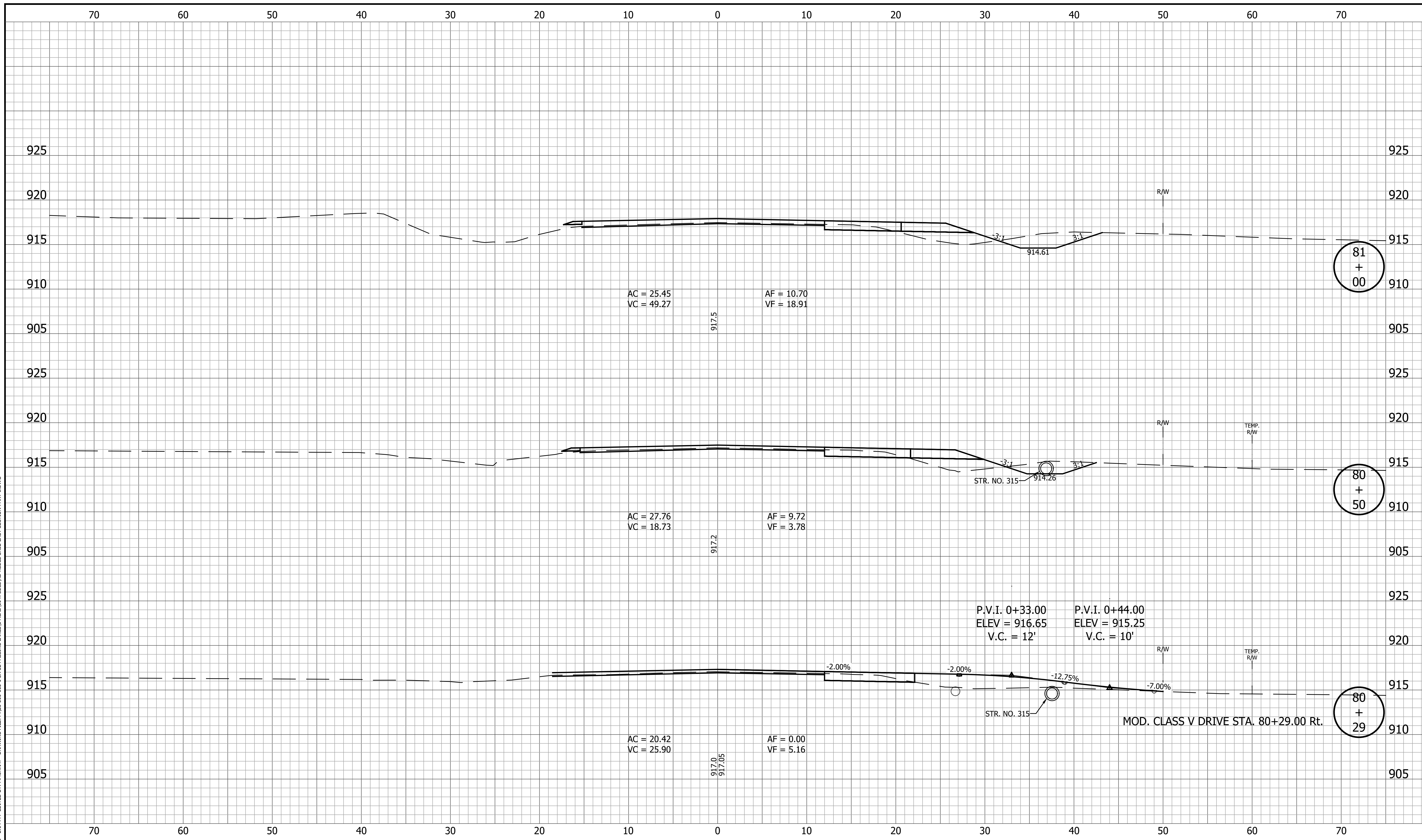
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|                      | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER DATE   | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b> | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: small;">HORIZONTAL SCALE</td> <td style="font-size: small;">BRIDGE FILE</td> </tr> <tr> <td style="font-size: small;">1" = 5'</td> <td></td> </tr> <tr> <td style="font-size: small;">VERTICAL SCALE</td> <td style="font-size: small;">DESIGNATION</td> </tr> <tr> <td style="font-size: small;">1" = 5'</td> <td style="text-align: center;">1800060</td> </tr> <tr> <td style="font-size: small;">SURVEY BOOK</td> <td style="font-size: small;">SHEET</td> </tr> <tr> <td></td> <td style="text-align: center;">169 of 173</td> </tr> <tr> <td style="font-size: small;">CONTRACT</td> <td style="font-size: small;">PROJECT</td> </tr> <tr> <td style="font-size: small;">R-42253</td> <td style="text-align: center;">1800060</td> </tr> </table> | HORIZONTAL SCALE    | BRIDGE FILE         | 1" = 5'                          |  | VERTICAL SCALE | DESIGNATION | 1" = 5' | 1800060 | SURVEY BOOK | SHEET |  | 169 of 173 | CONTRACT | PROJECT | R-42253 | 1800060 |
| HORIZONTAL SCALE     | BRIDGE FILE  |   |   |                     |                     |                                  |  |                |             |         |         |             |       |  |            |          |         |         |         |
| 1" = 5'              |  |   |   |                     |                     |                                  |  |                |             |         |         |             |       |  |            |          |         |         |         |
| VERTICAL SCALE       | DESIGNATION  |   |   |                     |                     |                                  |  |                |             |         |         |             |       |  |            |          |         |         |         |
| 1" = 5'              | 1800060  |   |   |                     |                     |                                  |  |                |             |         |         |             |       |  |            |          |         |         |         |
| SURVEY BOOK          | SHEET  |   |   |                     |                     |                                  |  |                |             |         |         |             |       |  |            |          |         |         |         |
|                      | 169 of 173   |   |   |                     |                     |                                  |  |                |             |         |         |             |       |  |            |          |         |         |         |
| CONTRACT             | PROJECT  |   |   |                     |                     |                                  |  |                |             |         |         |             |       |  |            |          |         |         |         |
| R-42253              | 1800060  |   |   |                     |                     |                                  |  |                |             |         |         |             |       |  |            |          |         |         |         |
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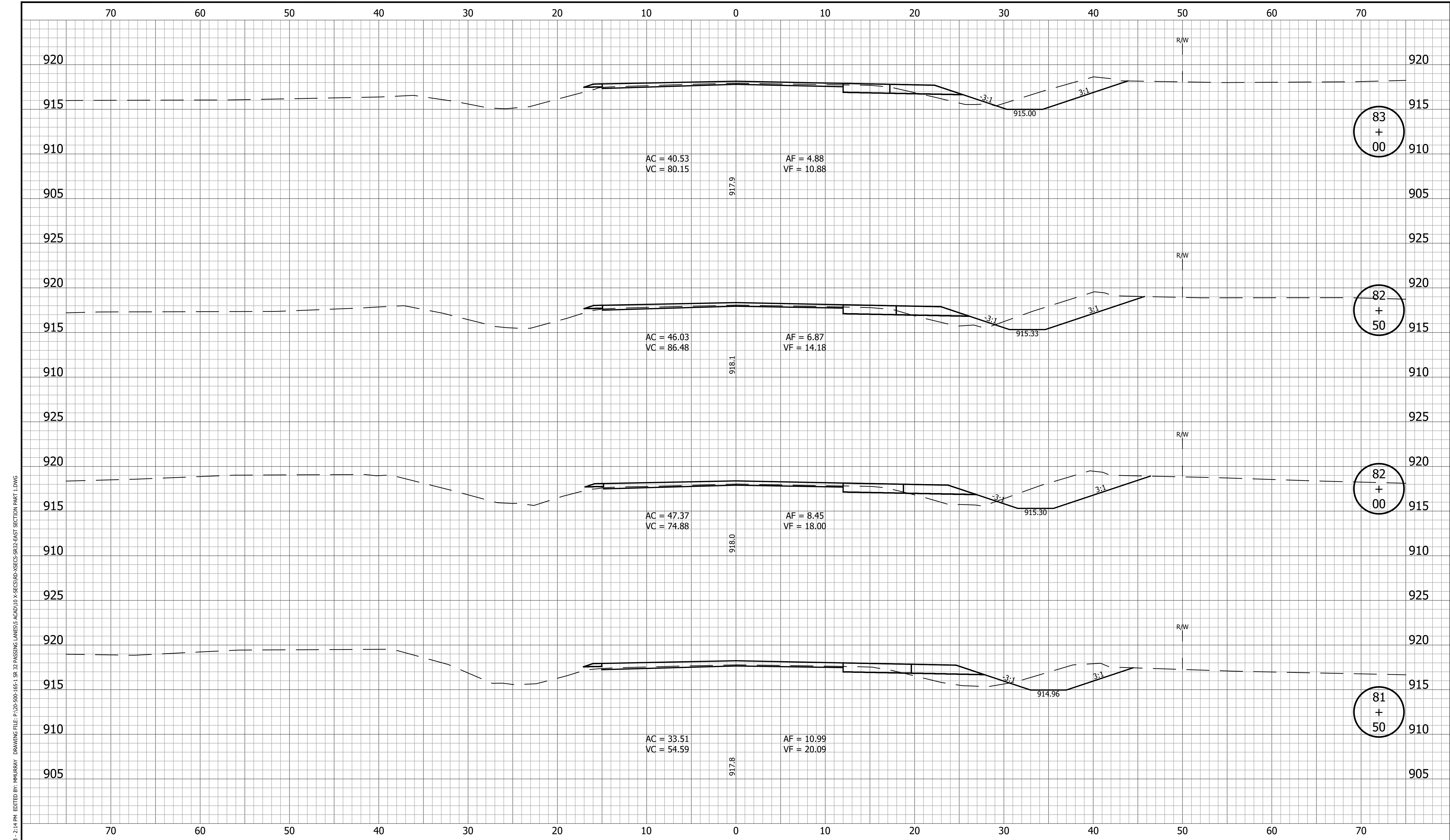


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|  |  | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b> | HORIZONTAL SCALE<br>1" = 5'<br>VERTICAL SCALE<br>1" = 5' | BRIDGE FILE<br>DESIGNATION<br>1800060 |
|  |  | <b>CROSS SECTIONS LINE A</b>                | SURVEY BOOK<br>170 of 173                                | SHEET<br>PROJECT<br>1800060           |
| RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER _____ DATE _____ |  |   |  |                                       |
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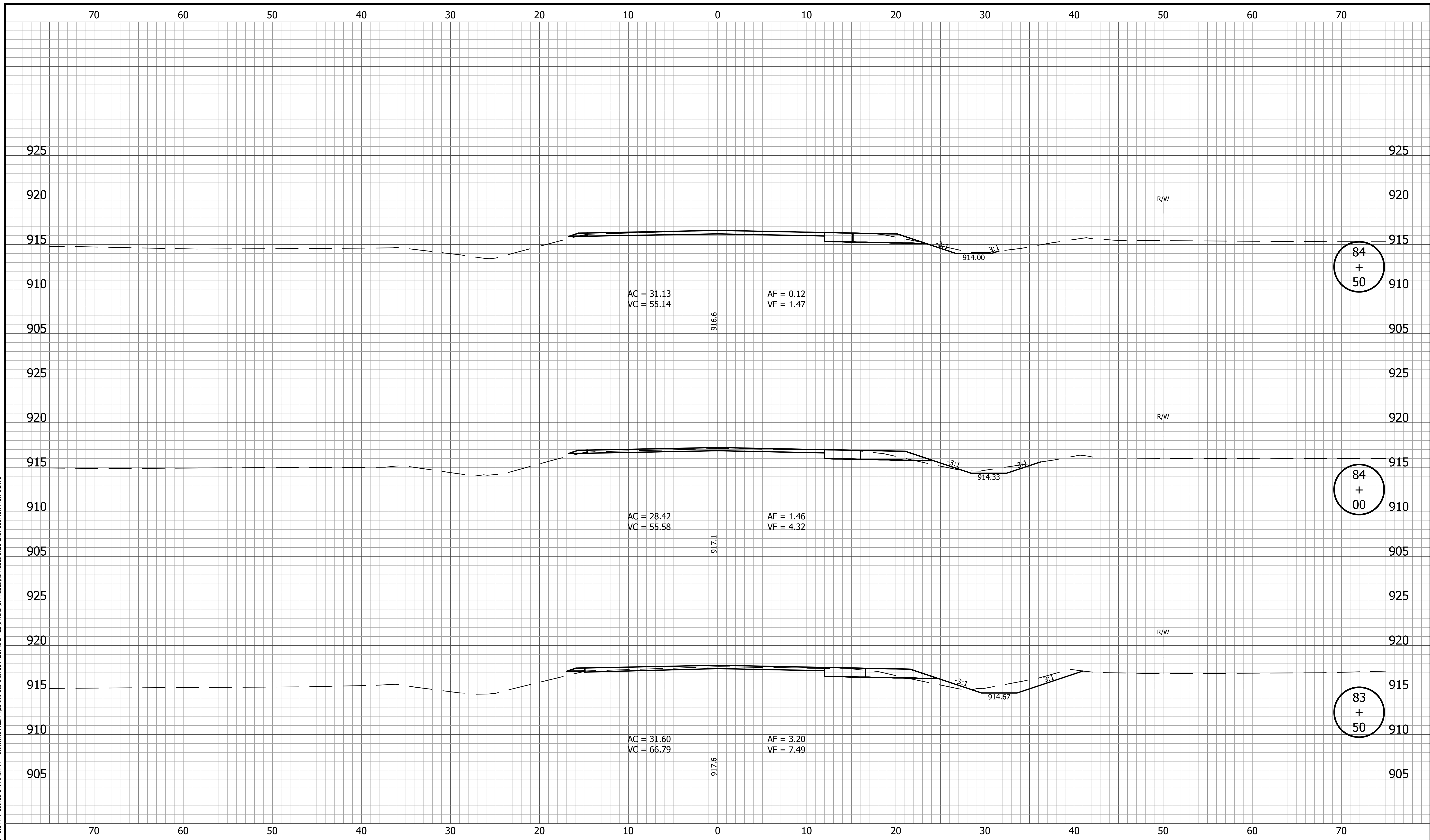
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|  | RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER DATE                            | <b>INDIANA DEPARTMENT OF TRANSPORTATION</b> | HORIZONTAL SCALE<br>1" = 5'<br>VERTICAL SCALE<br>1" = 5' | BRIDGE FILE<br>DESIGNATION<br>1800060 |
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|  |                                  | <b>INDIANA<br/>DEPARTMENT OF TRANSPORTATION</b> | HORIZONTAL SCALE<br>1" = 5'<br>VERTICAL SCALE<br>1" = 5'<br>BRIDGE FILE<br>DESIGNATION<br>1800060 |
| RECOMMENDED FOR APPROVAL _____<br>DESIGN ENGINEER _____ DATE _____ | <b>CROSS SECTIONS<br/>LINE A</b> |   | SURVEY BOOK _____ SHEET<br>173 of 173<br>CONTRACT PROJECT<br>R-42253 1800060                      |
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