PROJECT	DESIGNATION
1702835	1702835
CONTRACT	BRIDGE FILE
R-41180	N/A

STAGE 2 PLANS
9/14/2020

INDIANA DEPARTMENT OF TRANSPORTATION

INTERSECTION IMPROVEMENT STATE ROAD 39 AND GORDON ROAD PROJECT NO. 1702835

SEE SHEET 2 FOR TRAFFIC AND DESIGN DATA

WHITE COUNTY BOARD OF COMMISSIONERS

STEVE BURTON DATE

JOHN HEIMLICH DATE

DAVID DIENER DATE

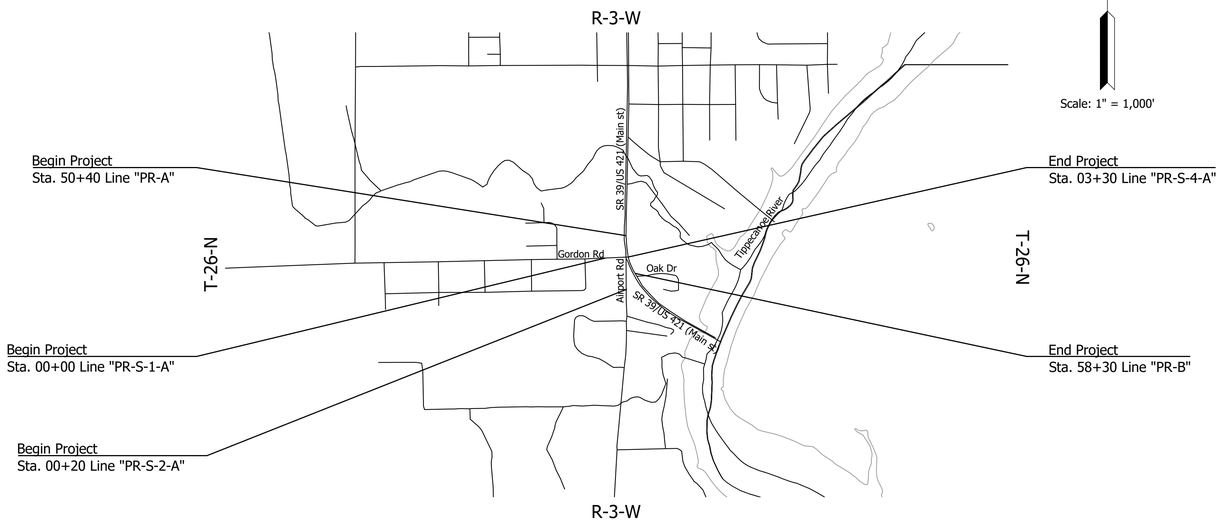
WHITE COUNTY AUDITOR

GAYLE ROGERS DATE

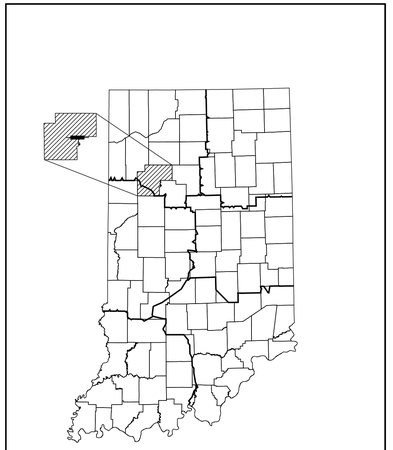
SUPERINTENDENDT AND E.R.C.

MIKE KYBURZ DATE

Project Description:
Intersection Improvement at SR 39 and Gordon Road in the City of Monticello, located in Section 4, T-26-N, R-3-W, Union Township, White County, Indiana



Location Map
White County



PROJECT LOCATION SHOWN BY
(White County)

BOP LATITUDE: 40°43'52" N	BOP LONGITUDE: 86°45'43" W
EOP LATITUDE: 40°43'47" N	EOP LONGITUDE: 86°45'42" W

BRIDGE LENGTH:	N/A	MI.
ROADWAY LENGTH:	1.2	MI.
TOTAL LENGTH:	1.4	MI.
MAX. GRADE:	-2.23	%

HUC 14: # 05120106140020

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

LOCHMUELLER GROUP
3502 Woodview Trace, Suite 150
Indianapolis, Indiana 46268
PHONE: 317.222.3880
TOLL FREE: 800.423.7411

PLANS PREPARED BY: Lochmueller Group, Inc. (317) 222-3880 PHONE NUMBER

CERTIFIED BY: DATE

APPROVED FOR LETTING: INDIANA DEPARTMENT OF TRANSPORTATION DATE

BRIDGE FILE	N/A
DESIGNATION	1702835
SURVEY BOOK	SHEETS
ELECTRONIC	1 of 78
CONTRACT	PROJECT
R-41180	1702835

Date: Sep 14, 2020, 9:02pm User Name: SFisch
File: S:_2018\218-0026\Road\CAD\MiscDWG\1702835 Title.dwg

UTILITIES

GAS
NIPSCO
801 E. 86th Ave.
Merrillville, IN 46410
Dave Schaafsma
dschaafsma@nisource.com

COMMUNCIATIONS
Comcast Cable
720 Taylor St.
Ft. Wayne, IN 46802
John Gayday
john_gayday@comcast.com
(260) 458-5107

Centurylink
213 W. Laporte St.
Plymouth, IN 46563
Bruce Emerick
(574) 926-1247

Lightstream
PO Box 408
306 S. St. Rd. 39
Buffalo, IN 47925
Brent Gillum
bgillum@pwrtc.net
(574) 278-7121

ELECTRIC
NIPSCO
801 E. 86th Ave.
Merrillville, IN 46410
Dave Schaafsma
dschaafsma@nisource.com

WATER
City of Monticello
227 N. Main St.
Monticello, IN 47960
Rod Pool
water@monticelloin.gov

WASTEWATER
City of Monticello
227 N. Main St.
Monticello, IN 47960
Adam Downey
wastewater@monticelloin.gov

REVISIONS

SHEET NO.	DATE	REVISED

GENERAL NOTES

1. All earth shoulders, median areas and cut and fill slopes shall be plain or mulch seeded except where sodding is specified.
2. Pavement Design shall be finalized at a later date.

INDEX

TRAFFIC DATA

	SR 39/US 421
A.A.D.T. (2022)	9,084 V.P.D.
A.A.D.T. (2042)	13,823 V.P.D.
D.H.V. (2042)	840 V.P.H.
DIRECTIONAL DISTRIBUTION	49% / 51%
TRUCKS	4.3% A.A.D.T.
	3.9% D.H.V.

DESIGN DATA

DESIGN SPEED	35 M.P.H.
PROJECT DESIGN CRITERIA	RECONSTRUCTION (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	MINOR ARTERIAL
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	NONE

TRAFFIC DATA

	GORDON RD
A.A.D.T. (2022)	5,228 V.P.D.
A.A.D.T. (2042)	7,956 V.P.D.
D.H.V. (2042)	718 V.P.H.
DIRECTIONAL DISTRIBUTION	47% / 53%
TRUCKS	6.8% A.A.D.T.
	5.9% D.H.V.

DESIGN DATA

DESIGN SPEED	35 M.P.H.
PROJECT DESIGN CRITERIA	RECONSTRUCTION (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	MINOR ARTERIAL
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	NONE

TRAFFIC DATA

	S AIRPORT RD
A.A.D.T. (2022)	2,079 V.P.D.
A.A.D.T. (2042)	3,164 V.P.D.
D.H.V. (2042)	275 V.P.H.
DIRECTIONAL DISTRIBUTION	50% / 50%
TRUCKS	10.2% A.A.D.T.
	10.2% D.H.V.

DESIGN DATA

DESIGN SPEED	25 M.P.H.
PROJECT DESIGN CRITERIA	RECONSTRUCTION (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	MINOR ARTERIAL
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	NONE

RECOMMENDED FOR APPROVAL _____ --/--/---- DESIGN ENGINEER DATE

DESIGNED: KMA DRAWN: KMA

CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

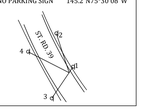
INDEX AND GENERAL NOTES

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEET
ELECTRONIC	2 of 78
CONTRACT	PROJECT
R-41180	1702835

SURVEY REFERENCE TIES

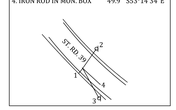
100 — N: 1996087.841 E: 3042516.637
MAG NAIL W/TAG STAMPED "BANNING ENG FIRM #0060"

1. NO PARKING SIGH	5.95'	N33°19'51"E
2. SCHOOL BUS SIGN	46.8'	N48°37'00"E
3. 45 MPH SIGN	46.9'	N34°05'58"W
4. NO PARKING SIGN	145.2'	N75°30'08"W



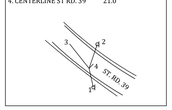
101 — N: 1996187.847 E: 3042305.752
MAG NAIL W/TAG STAMPED "BANNING ENG FIRM #0060"

1. GUARD RAIL	3.0'	
2. 35 MPH SIGN	48.1'	N49°01'49"E
3. NO PARKING SIGN	94.8'	S47°30'24"E
4. IRON ROD IN MON. BOX	49.9'	S53°14'34"E



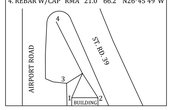
102 — N: 1996324.595 E: 3042149.332
MAG NAIL W/TAG STAMPED "BANNING ENG FIRM #0060"

1. NO PARKING SIGN	6.5'	S03°20'46"W
2. NO PARKING SIGN	46.8'	N47°03'17"W
3. IRON ROD IN MON. BOX	29.2'	N02°05'08"W
4. CENTERLINE ST RD. 39	21.0'	



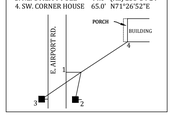
103 — N: 1996693.299 E: 3041872.975
5/8" REBAR W/CAP STAMPED "BANNING ENG CONTROL"

1. NW BUILDING CORNER	85.1'	S02°50'08"W
2. NE BUILDING CORNER	89.1'	S17°14'58"E
3. COR. ASPH. PARKING LOT	37.2'	S17°41'46"W
4. REBAR W/CAP "RMA"	21.0'	66.2' N26°45'49"W



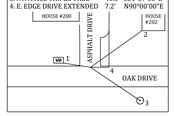
104 — N: 1996324.068 E: 3041835.954
5/8" REBAR W/CAP STAMPED "BANNING ENG CONTROL"

1. E. EDGE AIRPORT RD.	7.0'	N90°00'00"E
2. N. UTILITY POLE	22.6'	(AZ) 177°28'13"
3. NE. UTILITY POLE	44.0'	(AZ) 238°34'24"
4. SW. CORNER HOUSE	65.0'	N71°26'52"E



105 — N: 1996648.271 E: 3042338.432
5/8" REBAR W/CAP STAMPED "BANNING ENG CONTROL"

1. SE. COR. 2'X2' MAILBOX	34.0'	N77°38'59"W
2. SW. COR. HOUSE #202	56.1'	N20°27'43"E
3. NW. FACE TRIPLE TREE	45.3'	S31°37'03"E
4. E. EDGE DRIVE EXTENDED	7.2'	N90°00'00"E

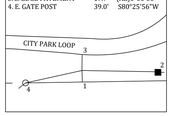


106 — N: 1997167.075 E: 3041764.185
5/8" REBAR W/CAP STAMPED "BANNING ENG CONTROL"

1. COR. PARKING LOT	10.0'	(AZ)337°19'14"
2. EDGE CONC. WALK	6.4'	(AZ)90°00'00"
3. EDGE CONC. WALK	6.6'	(AZ)180°00'00"
4. DOLLAR GENERAL SIGN	10.3'	(AZ)266°01'22"

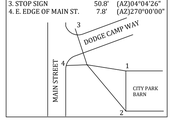
107 — N: 1996879.116 E: 3042177.255
5/8" REBAR W/CAP STAMPED "BANNING ENG CONTROL"

1. CHAIN LINK FENCE	6.5'	(AZ)180°00'00"
2. W. FACE UTILITY POLE	61.2'	(AZ)92°12'19"
3. S. EDGE PAVEMENT	17.7'	(AZ)0°00'00"
4. E. GATE POST	39.0'	S80°25'56"W



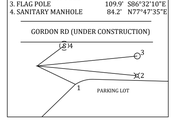
108 — N: 1997861.404 E: 3041860.641
5/8" REBAR W/CAP STAMPED "BANNING ENG CONTROL"

1. NW COR. PARK BARN	65.2'	(AZ)85°12'13"
2. SW COR. PARK BARN	67.6'	(AZ)106°14'33"
3. STOP SIGN	50.8'	(AZ)04°04'26"
4. E. EDGE OF MAIN ST.	7.8'	(AZ)270°00'00"



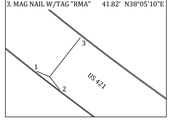
109 — N: 1996693.299 E: 3041872.975
5/8" REBAR W/CAP STAMPED "BANNING ENG CONTROL"

1. COR. ASPH. PARKING LOT	76.0'	S25°51'51"E
2. CENTER LIGHT POLE	101.0'	S48°51'10"E
3. FLAG POLE	109.9'	S86°32'10"E
4. SANITARY MANHOLE	84.2'	N77°47'35"E



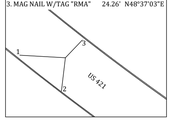
70244 — N: 1996157.970 E: 3042345.752
IRON ROD IN MONUMENT BOX

1. MAG NAIL W/TAG "RMA"	11.86'	N67°20'56"W
2. MAG NAIL W/TAG "RMA"	13.98'	S37°32'48"E
3. MAG NAIL W/TAG "RMA"	41.82'	N38°05'10"E



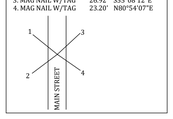
70393 — N: 1996353.841 E: 3042148.267
IRON ROD IN MONUMENT BOX

1. MAG NAIL W/TAG "RMA"	32.67'	N86°03'58"W
2. MAG NAIL W/TAG "RMA"	28.28'	S06°44'30"W
3. MAG NAIL W/TAG "RMA"	24.26'	N48°37'03"E



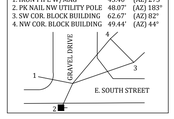
65044 — N: 1998037.878 E: 3041835.257
IRON ROD IN MONUMENT BOX

1. MAG NAIL W/TAG	29.26'	N52°24'15"W
2. MAG NAIL W/TAG	29.26'	S43°24'15"W
3. MAG NAIL W/TAG	26.92'	S55°08'12"E
4. MAG NAIL W/TAG	23.20'	N80°54'07"E



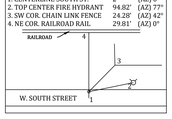
60011 — N: 1999586.374 E: 3043555.713
NE COR. SEC 4, T26N, R3W
MAG NAIL IN 1" IRON PIPE

1. IRON PIPE W/MAG	43.40'	(AZ) 273°
2. PK NAIL NW UTILITY POLE	48.07'	(AZ) 183°
3. SW COR. BLOCK BUILDING	62.67'	(AZ) 82°
4. NW COR. BLOCK BUILDING	49.44'	(AZ) 44°



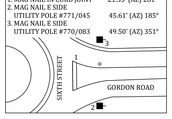
60010 — N: 1999554.525 E: 3040823.534
POINT ON NORTH/SOUTH 1/4 SEC. LINE SEC. 4, T26N, R3W
MAG NAIL W/WASHER "RMA FIRM #0074"

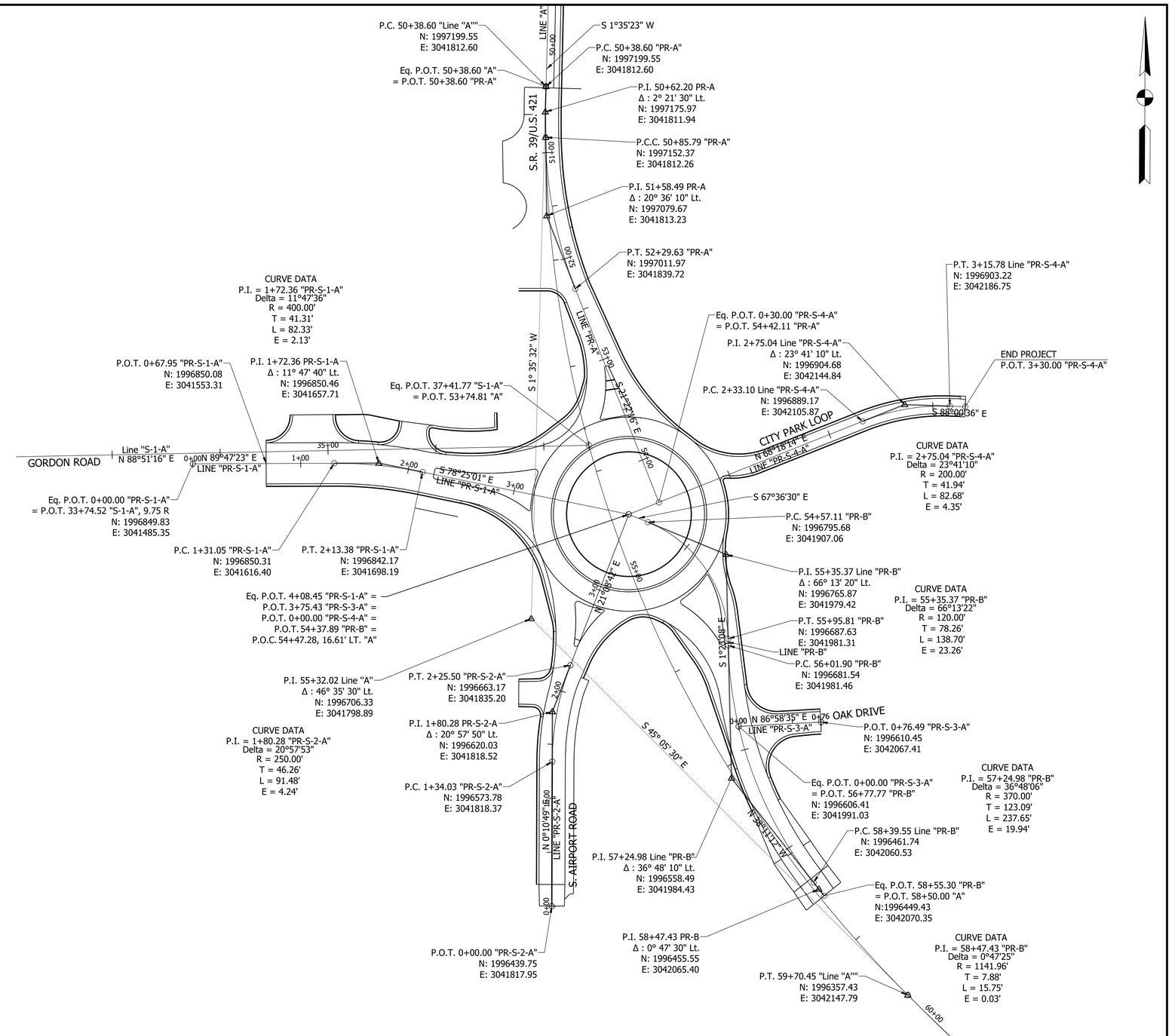
1. CENTERLINE SOUTH ST.	2'	(AZ) 0°
2. TOP CENTER FIRE HYDRANT	94.82'	(AZ) 77°
3. SW COR. CHAIN LINK FENCE	24.28'	(AZ) 42°
4. NE COR. RAILROAD RAIL	29.81'	(AZ) 0°



60012 — N: 1996792.103 E: 3038111.312
NW COR. SW 1/4 SEC. 4, T26N, R3W
ALUMINUM WHITE COUNTY SURVEYOR MARKER

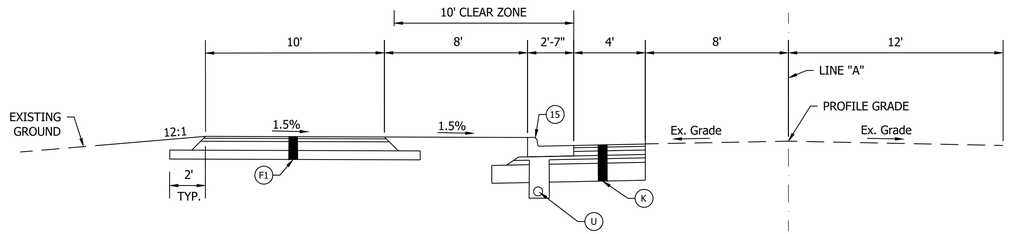
1. MAG NAIL IN CURB JOINT	21.55'	(AZ) 261°
2. MAG NAIL E SIDE UTILITY POLE #771/045	45.61'	(AZ) 185°
3. MAG NAIL E SIDE UTILITY POLE #770/083	49.50'	(AZ) 351°



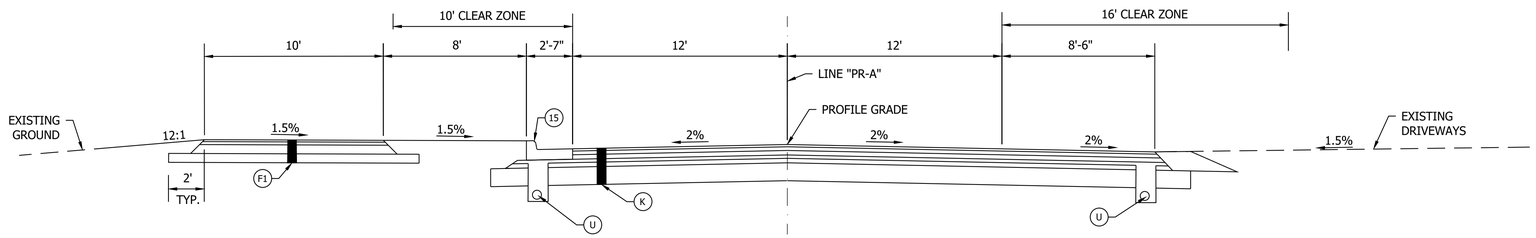


RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/---- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1"=50' / BRIDGE FILE: N/A / VERTICAL SCALE: N/A / DESIGNATION: 1702835
DESIGNED: KMA	DRAWN: KMA	GEOMETRIC TIE-INS	SURVEY BOOK: ELECTRONIC / SHEET: 3 of 78
CHECKED: JNH	CHECKED: JNH		CONTRACT: R-41180 / PROJECT: 1702835

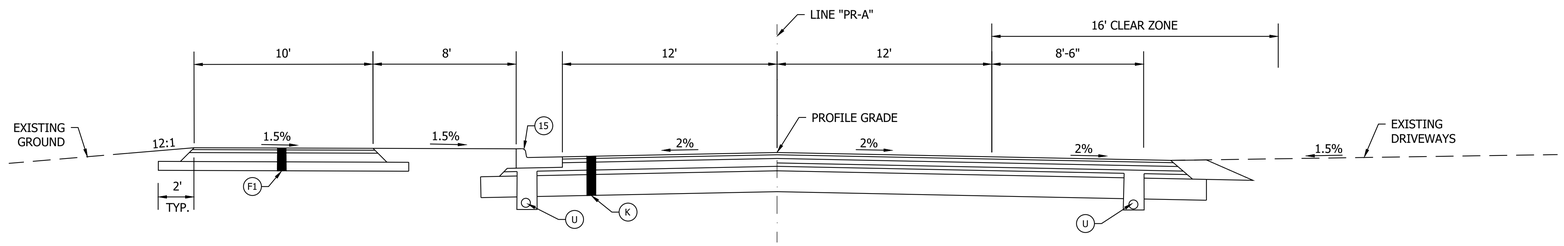
Date: Sep 14, 2020, 9:03pm User Name: SFitch
File: S:_2018\218-0026\Road\CAD\MiscDWG\1702835 Geometric Ties Exist.dwg



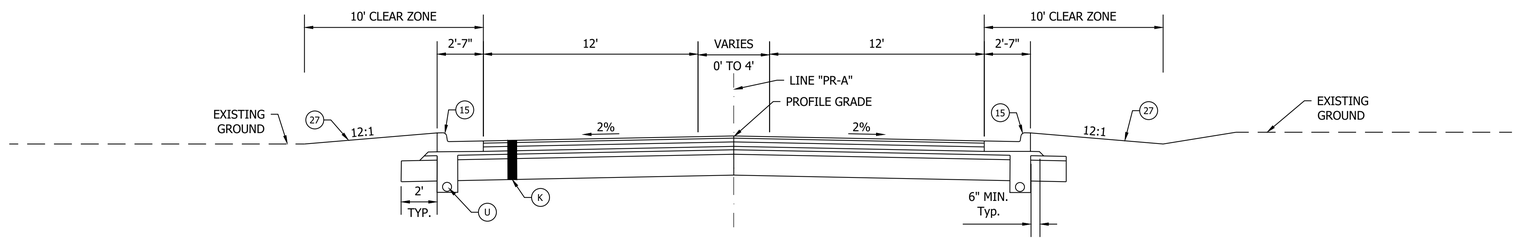
TYPICAL SECTION - SR 39/US 421
STA. 47+20.00 LINE "A" TO STA. 50+40.00 LINE "A"



TYPICAL SECTION - SR 39/US 421
STA. 50+40.00 LINE "PR-A" TO STA. 51+32.00 LINE "PR-A"



TYPICAL SECTION - SR 39/US 421
STA. 51+32.00 LINE "PR-A" TO STA. 51+72.00 LINE "PR-A"



TYPICAL SECTION - SR 39/US 421
STA. 51+72.00 LINE "PR-A" TO STA. 53+10.00 LINE "PR-A"

(K) 165 LB/SYS QC/QA-HMA, 3, 70, Surface, 9.5 mm, on 275 LB/SYS QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on 330 LB/SYS QC/QA-HMA, 3, 64, Base, 19.0 mm, on 250 LB/SYS QC/QA-HMA, 4, 76, Intermediate, OG, 19.0 mm, on 330 LB/SYS QC/QA HMA, 3, 64, Base, 19.00 mm on Subgrade Treatment, Type 1B

(U) Pipe, Type 4, Circular, 6 IN.

(F1) HMA for Sidewalk 140 LB/SYS HMA Surface, Type B, on 220 LB/SYS HMA Intermediate, Type B, on 6 IN. Compacted Aggregate, No. 53, Base, on Subgrade Treatment, Type III

(13) Curb, Concrete

(A) PCCP, 9 IN. on 9 IN. Compacted Aggregate, No. 53, Base, on Subgrade Treatment 1B

(15) Curb and Gutter, Concrete

(16) Curb and Gutter, B, Concrete

(27) Mulched Seeding R

RECOMMENDED FOR APPROVAL _____ --/--/---- DESIGN ENGINEER DATE

DESIGNED: KMA DRAWN: KMA

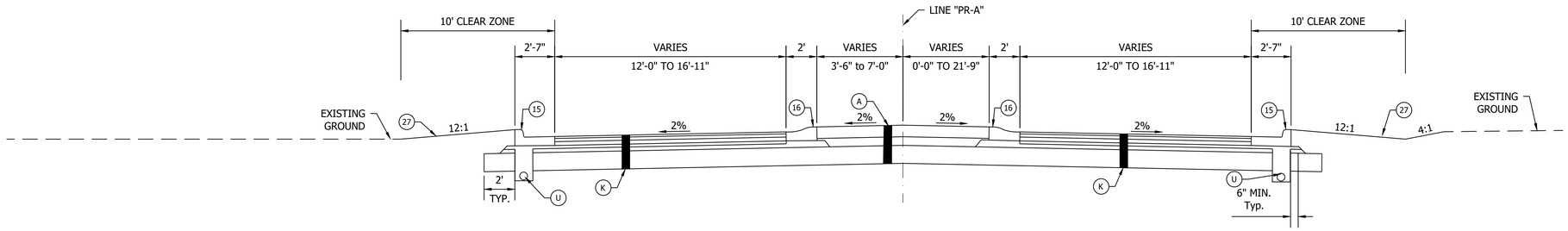
CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

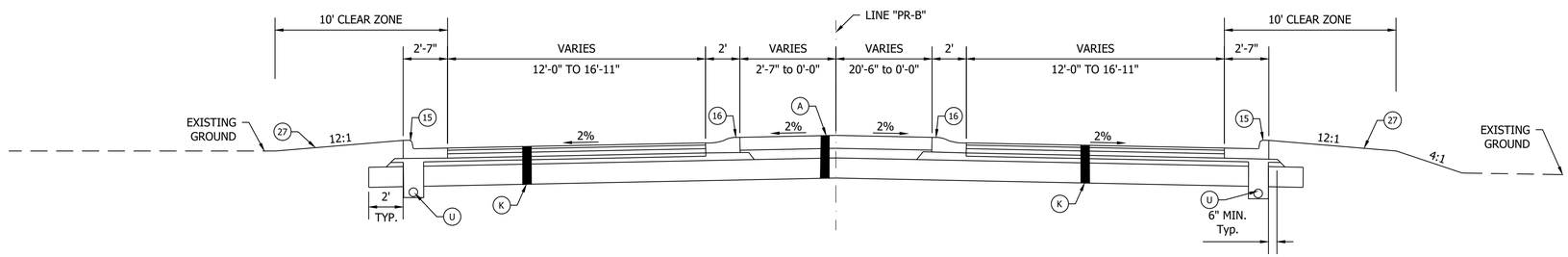
TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1/4"=1'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEET
ELECTRONIC	4 of 78
CONTRACT	PROJECT
R-41180	1702835

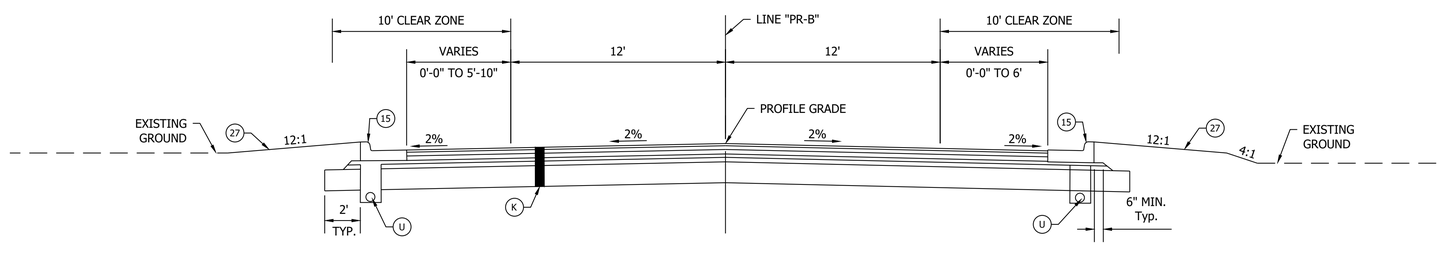
Date: Sep 14, 2020, 9:03pm User Name: SFisch
File: S:_2018\218-0026\Road\CAD\Misc\DWG\1702835 Typical.dwg



TYPICAL SECTION - SR 39/US 421
STA. 53+10.00 LINE "PR-A" TO STA. 53+56.00 LINE "PR-A"



TYPICAL SECTION - SR 39/US 421
STA. 55+29.00 LINE "PR-B" TO STA. 56+21.00 LINE "PR-B"



TYPICAL SECTION - SR 39/US 421
STA. 56+21.00 LINE "PR-B" TO STA. 56+65.00 LINE "PR-B"

(K) 165 LB/SYS QC/QA-HMA, 3, 70, Surface, 9.5 mm, on 275 LB/SYS QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on 330 LB/SYS QC/QA-HMA, 3, 64, Base, 19.0 mm, on 250 LB/SYS QC/QA-HMA, 4, 76, Intermediate, OG, 19.0 mm, on 330 LB/SYS QC/QA HMA, 3, 64, Base, 19.00 mm on Subgrade Treatment, Type 1B

(U) Pipe, Type 4, Circular, 6 IN.

(F1) HMA for Sidewalk 140 LB/SYS HMA Surface, Type B, on 220 LB/SYS HMA Intermediate, Type B, on 6 IN. Compacted Aggregate, No. 53, Base, on Subgrade Treatment, Type III

(13) Curb, Concrete

(A) PCCP, 9 IN. on 9 IN. Compacted Aggregate, No. 53, Base, on Subgrade Treatment 1B

(15) Curb and Gutter, Concrete

(16) Curb and Gutter, B, Concrete

(27) Mulched Seeding R

RECOMMENDED FOR APPROVAL _____ --/--/---- DESIGN ENGINEER DATE

DESIGNED: KMA DRAWN: KMA

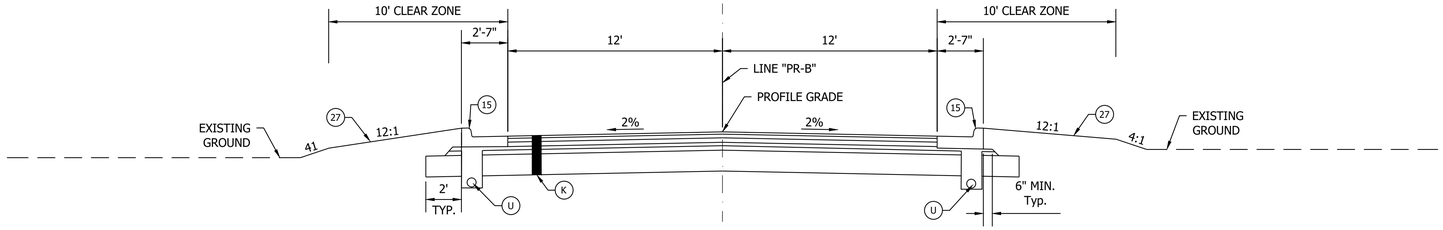
CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

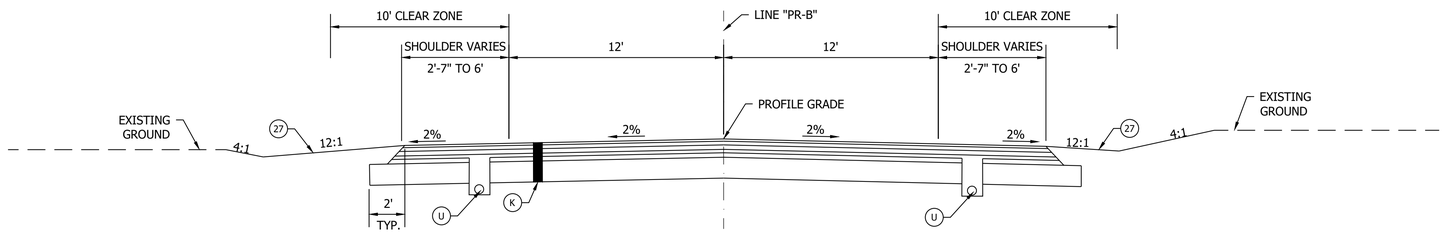
TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1/4"=1'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEET
ELECTRONIC	5 of 78
CONTRACT	PROJECT
R-41180	1702835

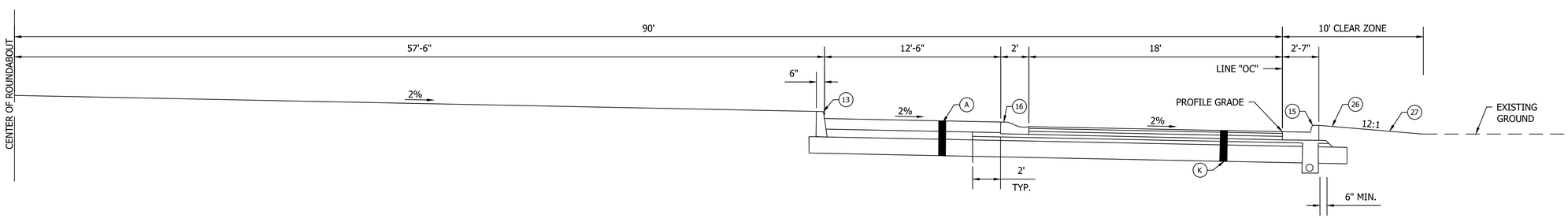
Date: Sep 14, 2020, 9:02pm User Name: SFisch
File: S:_2018\218-0026\Road\CAD\MiscDWG\1702835 Typical.dwg



TYPICAL SECTION - SR 39/US 421
STA. 56+65.00 LINE "PR-B" TO STA. 57+50.00 LINE "PR-B"



TYPICAL SECTION - SR 39/US 421
STA. 57+50.00 LINE "PR-B" TO STA. 58+30.00 LINE "PR-B"



TYPICAL SECTION - INSCRIBED CIRCLE
STA. 0+00.00 LINE "OC" TO STA. 5+65.24 LINE "OC"

(K) 165 LB/SYS QC/QA-HMA, 3, 70, Surface, 9.5 mm, on
275 LB/SYS QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on
330 LB/SYS QC/QA-HMA, 3, 64, Base, 19.0 mm, on
250 LB/SYS QC/QA-HMA, 4, 76, Intermediate, OG, 19.0 mm, on
330 LB/SYS QC/QA HMA, 3, 64, Base, 19.00 mm on
Subgrade Treatment, Type 1B

(U) Pipe, Type 4, Circular, 6 IN.

(F1) HMA for Sidewalk
140 LB/SYS HMA Surface, Type B, on
220 LB/SYS HMA Intermediate, Type B, on
6 IN. Compacted Aggregate, No. 53, Base, on
Subgrade Treatment, Type III

(13) Curb, Concrete

(A) PCCP, 9 IN. on
9 IN. Compacted Aggregate, No. 53, Base, on
Subgrade Treatment 1B

(15) Curb and Gutter, Concrete

(16) Curb and Gutter, B, Concrete

(27) Mulched Seeding R

RECOMMENDED FOR APPROVAL _____ --/--/---- DESIGN ENGINEER DATE

DESIGNED: KMA DRAWN: KMA

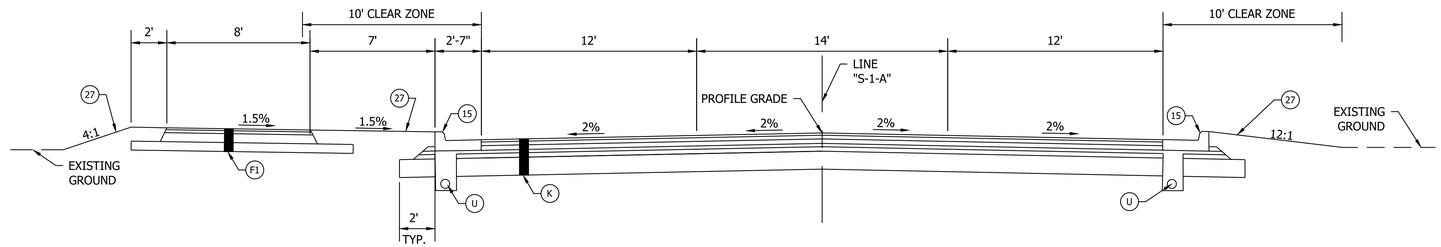
CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

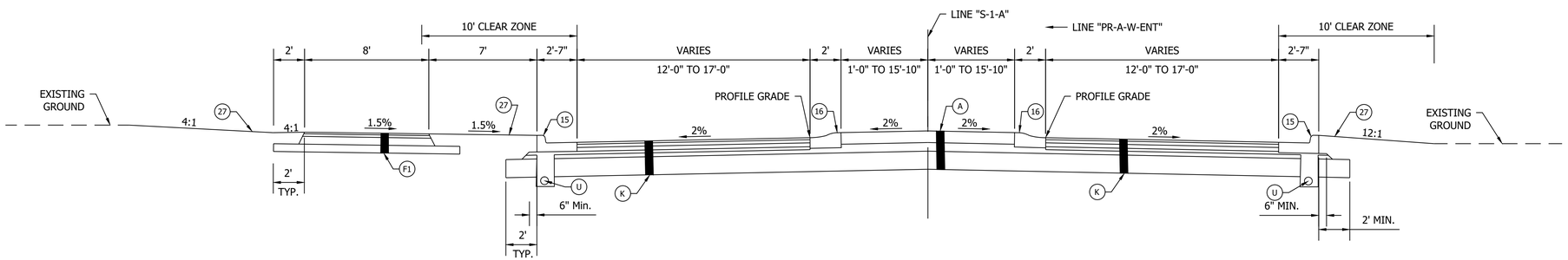
HORIZONTAL SCALE	BRIDGE FILE
1/4"=1'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEET
ELECTRONIC	6 of 78
CONTRACT	PROJECT
R-41180	1702835

Date: Sep 14, 2020, 9:03pm User Name: SFisch
File: S:_2018\218-0026\Road\CAD\MiscDWG\1702835 Typical.dwg



TYPICAL SECTION - GORDON ROAD

STA. 0+00.00 LINE "PR-S-1-A" TO STA. 2+24.00 LINE "PR-S-1-A"



TYPICAL SECTION - GORDON ROAD

STA. 2+24.00 LINE "PR-S-1-A" TO STA. 3+18.00 LINE "PR-S-1-A"

(K) 165 LB/SYS QC/QA-HMA, 3, 70, Surface, 9.5 mm, on
275 LB/SYS QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on
330 LB/SYS QC/QA-HMA, 3, 64, Base, 19.0 mm, on
250 LB/SYS QC/QA-HMA, 4, 76, Intermediate, OG, 19.0 mm, on
330 LB/SYS QC/QA HMA, 3, 64, Base, 19.00 mm on
Subgrade Treatment, Type 1B

(U) Pipe, Type 4, Circular, 6 IN.

(F1) HMA for Sidewalk
140 LB/SYS HMA Surface, Type B, on
220 LB/SYS HMA Intermediate, Type B, on
6 IN. Compacted Aggregate, No. 53, Base, on
Subgrade Treatment, Type III

(13) Curb, Concrete

(A) PCCP, 9 IN. on
9 IN. Compacted Aggregate, No. 53, Base, on
Subgrade Treatment 1B

(15) Curb and Gutter, Concrete

(16) Curb and Gutter, B, Concrete

(27) Mulched Seeding R

RECOMMENDED FOR APPROVAL _____ --/--/---- DESIGN ENGINEER DATE

DESIGNED: KMA DRAWN: KMA

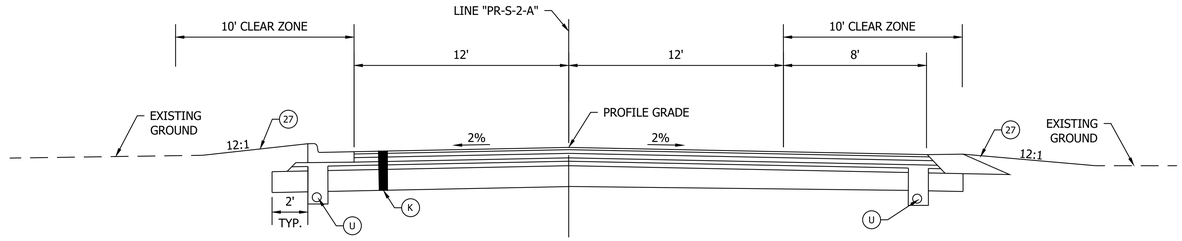
CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

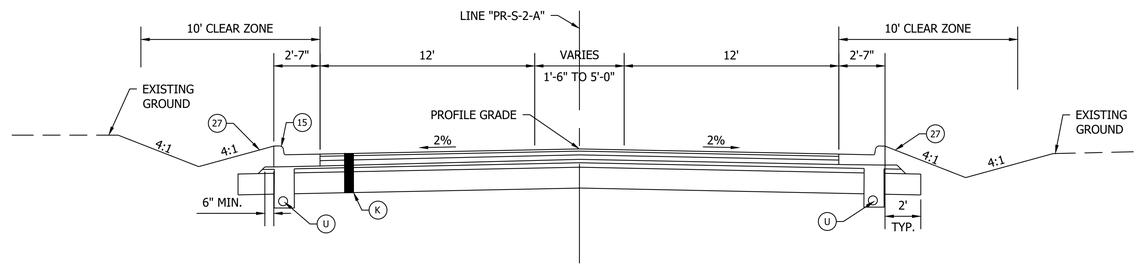
TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1/4"=1'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEET
ELECTRONIC	7 of 78
CONTRACT	PROJECT
R-41180	1702835

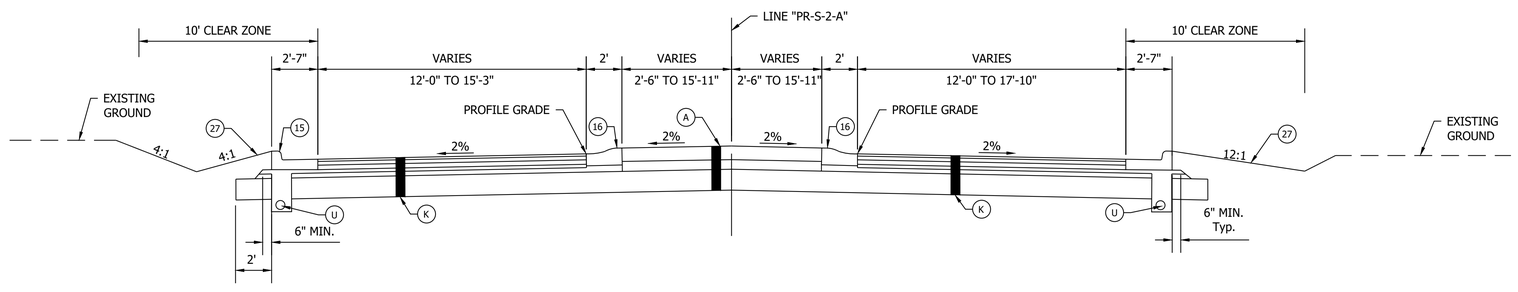
Date: Sep 14, 2020, 9:03pm User Name: SFisch
File: S:_2018\218-0026\Road\CAD\MiscDWG\1702835 Typical.dwg



TYPICAL SECTION - S. AIRPORT ROAD
STA. 0+00.00 LINE "PR-S-2-A" TO STA. 2+18.00 LINE "PR-S-2-A"



TYPICAL SECTION - S. AIRPORT ROAD
STA. 2+18.00 LINE "PR-S-2-A" TO STA. 2+43.00 LINE "PR-S-2-A"



TYPICAL SECTION - S. AIRPORT ROAD
STA. 2+43.00 LINE "PR-S-2-A" TO STA. 2+84.00 LINE "PR-S-2-A"

(K) 165 LB/SYS QC/QA-HMA, 3, 70, Surface, 9.5 mm, on
275 LB/SYS QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on
330 LB/SYS QC/QA-HMA, 3, 64, Base, 19.0 mm, on
250 LB/SYS QC/QA-HMA, 4, 76, Intermediate, OG, 19.0 mm, on
330 LB/SYS QC/QA HMA, 3, 64, Base, 19.00 mm on
Subgrade Treatment, Type 1B

(U) Pipe, Type 4, Circular, 6 IN.

(F1) HMA for Sidewalk
140 LB/SYS HMA Surface, Type B, on
220 LB/SYS HMA Intermediate, Type B, on
6 IN. Compacted Aggregate, No. 53, Base, on
Subgrade Treatment, Type III

(13) Curb, Concrete

(A) PCCP, 9 IN. on
9 IN. Compacted Aggregate, No. 53, Base, on
Subgrade Treatment 1B

(15) Curb and Gutter, Concrete

(16) Curb and Gutter, B, Concrete

(27) Mulched Seeding R

RECOMMENDED FOR APPROVAL _____ --/--/---- DESIGN ENGINEER DATE

DESIGNED: KMA DRAWN: KMA

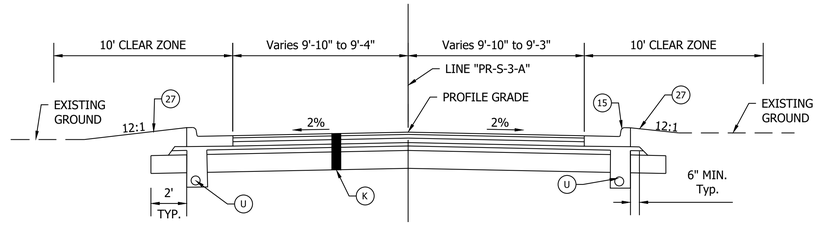
CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

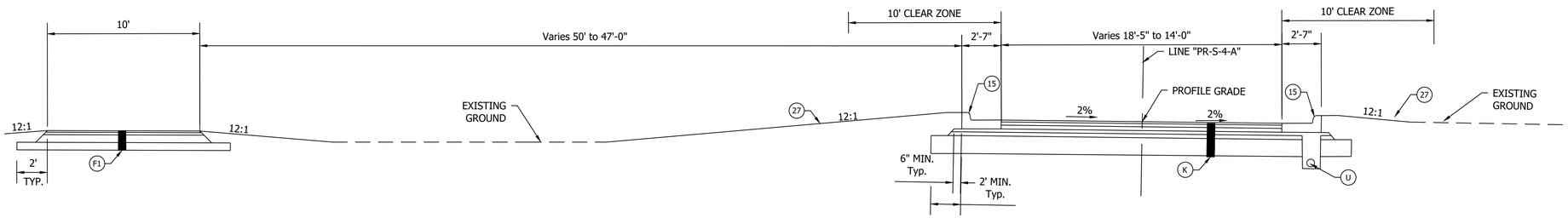
TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1/4"=1'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEET
ELECTRONIC	8 of 78
CONTRACT	PROJECT
R-41180	1702835

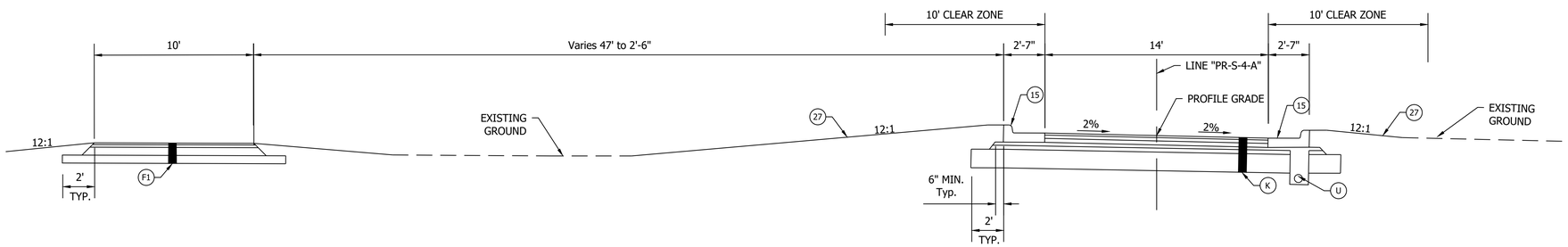
Date: Sep 14, 2020, 9:03pm User Name: SFisch
File: S:_2018\218-0026\Road\CAD\MiscDWG\1702835 Typical.dwg



TYPICAL SECTION - OAK DRIVE
STA. 0+41.00 LINE "PR-S-3-A" TO STA. 0+70.13 LINE "PRS--3-A"



TYPICAL SECTION - CITY PARK LOOP
STA. 0+94.00 LINE "PR-S-4-A" TO STA. 1+39.08 LINE "PR-S-4-A"



TYPICAL SECTION - CITY PARK LOOP
STA. 1+39.08 LINE "PR-S-4-A" TO STA. 3+30.00 LINE "PR-S-4-A"

(K) 165 LB/SYS QC/QA-HMA, 3, 70, Surface, 9.5 mm, on 275 LB/SYS QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on 330 LB/SYS QC/QA-HMA, 3, 64, Base, 19.0 mm, on 250 LB/SYS QC/QA-HMA, 4, 76, Intermediate, OG, 19.0 mm, on 330 LB/SYS QC/QA HMA, 3, 64, Base, 19.00 mm on Subgrade Treatment, Type 1B

(U) Pipe, Type 4, Circular, 6 IN.

(F1) HMA for Sidewalk 140 LB/SYS HMA Surface, Type B, on 220 LB/SYS HMA Intermediate, Type B, on 6 IN. Compacted Aggregate, No. 53, Base, on Subgrade Treatment, Type III

(13) Curb, Concrete

(A) PCCP, 9 IN. on 9 IN. Compacted Aggregate, No. 53, Base, on Subgrade Treatment 1B

(15) Curb and Gutter, Concrete

(16) Curb and Gutter, B, Concrete

(27) Mulched Seeding R

RECOMMENDED FOR APPROVAL _____ --/--/---- DESIGN ENGINEER DATE

DESIGNED: KMA DRAWN: KMA

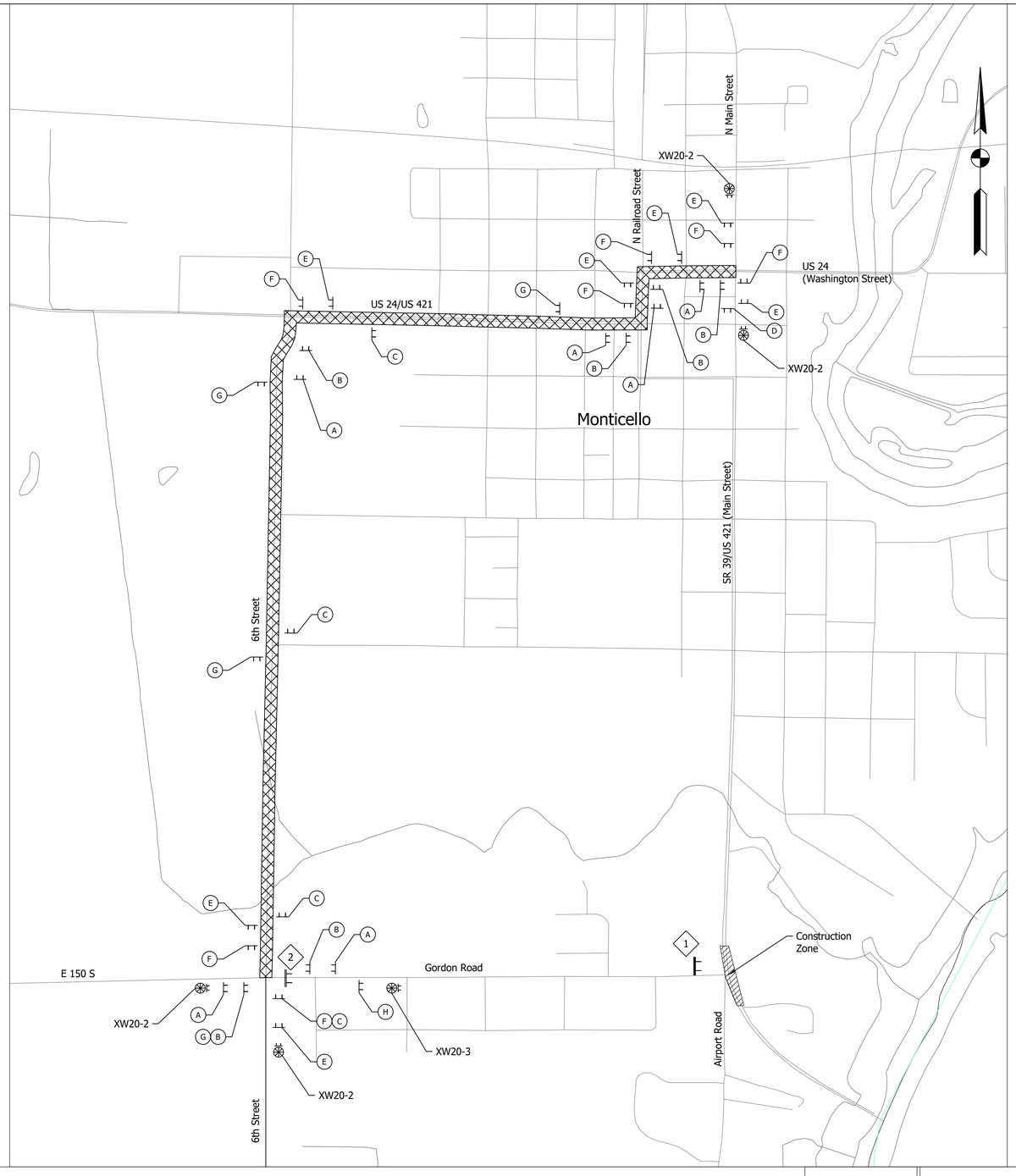
CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1/4"=1'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEET
ELECTRONIC	9 of 78
CONTRACT	PROJECT
R-41180	1702835

Date: Sep 14, 2020, 9:03pm User Name: SFisch
File: S:_2018\218-0026\Road\CAD\MiscDWG\1702835 Typical.dwg



CONSTRUCTION SIGN SCHEDULE				
SIGN NO.	DESCRIPTION	SIZE (IN)	TYPE	EST. QTY.
XW20-2	"DETOUR AHEAD" SIGN	36 x 36	A	4
XW20-3	"ROAD CLOSED AHEAD" SIGN	36 x 36	A	1
			TOTAL TYPE "A" SIGNS	5

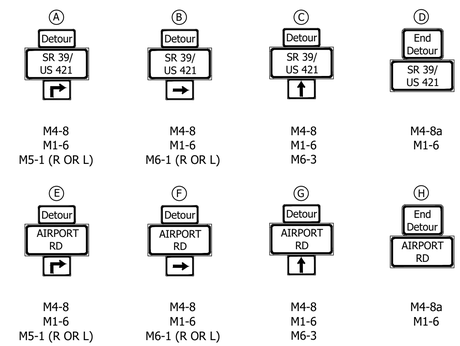
DETOUR ROUTE MARKER ASSEMBLIES:	36 EACH
ROAD CLOSURE SIGN ASSEMBLY:	2 EACH
TYPE III-A BARRICADES:	24 LFT.
TYPE III-B BARRICADES:	16 LFT.

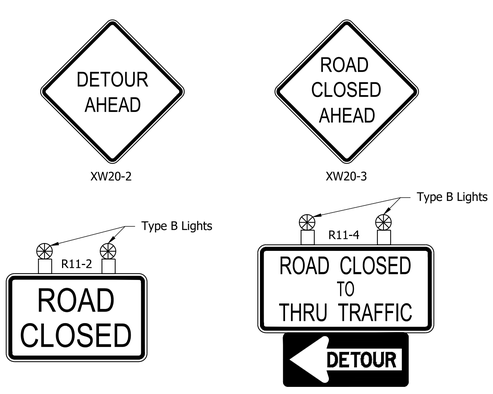
(1) Road Closure Sign Assembly with Type A Barricades (2 x 24') = 48 LFT), R11-2

(2) Road Closure Sign Assembly with Type B Barricades (2 x 16') = 32 LFT), R11-4 and M4-10 (R) or (L)

LEGEND:

- TYPE B CONSTRUCTION WARNING LIGHTS
- CONSTRUCTION SIGN (WITH TYPE A CONSTRUCTION WARNING LIGHTS)
- CONSTRUCTION SIGN
- BARRICADE, TYPE III-A
- BARRICADE, TYPE III-B
- CONSTRUCTION ZONE
- DETOUR ROUTE





ROAD CLOSURE SIGN ASSEMBLY (1)

ROAD CLOSURE SIGN ASSEMBLY (2)

NOTES

1. ALL MAINTENANCE OF TRAFFIC DEVICES, SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE LATEST EDITION OF THE INDIANA MUTCD.
2. SEE INDOT STD DWG 801-TCDT-01 FOR ADDITIONAL DETAILS.
3. SEE INDOT STD DWG 801-TCLG-01 FOR GENERAL NOTES.
4. ACCESS SHALL BE MAINTAINED FOR RESIDENTS AT ALL TIMES.

RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

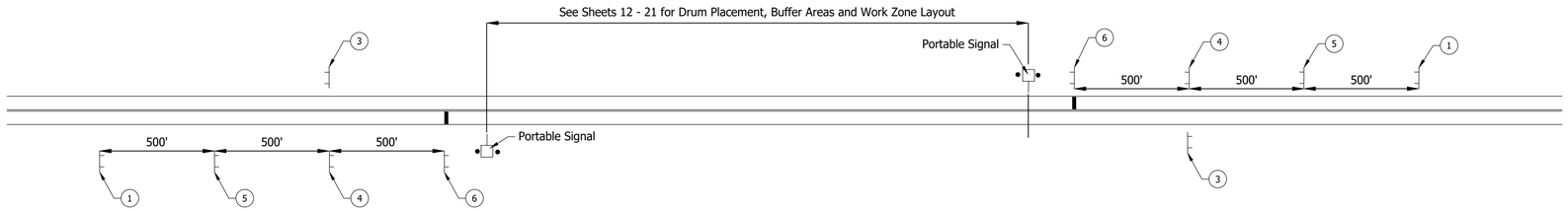
DESIGNED: SMF DRAWN: SMF
CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

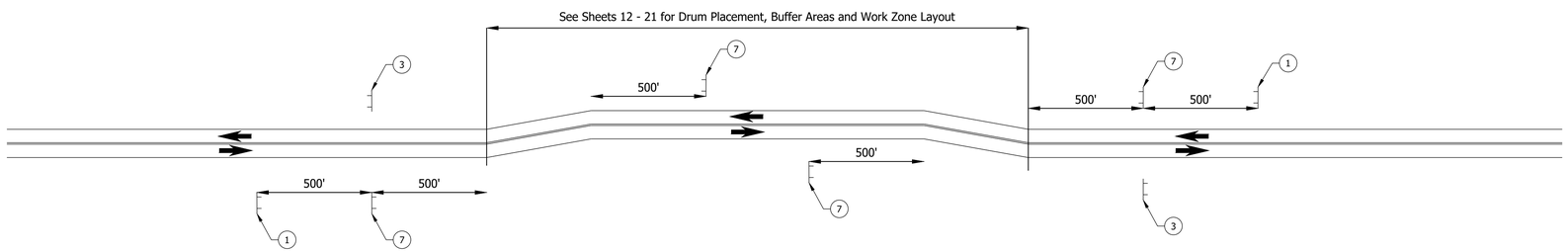
MAINTENANCE OF TRAFFIC
DETOUR ROUTE SR 39 & AIRPORT RD

HORIZONTAL SCALE	BRIDGE FILE
1"=500'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEETS
	10 of 78
CONTRACT	PROJECT
R-41180	1702835

Date: Sep 14, 2020, 9:02am User Name: SFisch
File: S:_2018\1702835\Road\CAD\MOT\MOT Detour Gordon & Airport.dwg



ADVANCE SIGNING DETAIL FOR FLAGGING ASSISTANCE DEVICE OPERATIONS



ADVANCE SIGNING DETAIL FOR LANE SHIFT OPERATIONS

CONSTRUCTION SIGN LEGEND:

1. ROAD CONSTRUCTION (AHEAD)/(1500 FEET) - (XW20-1)
3. END CONSTRUCTION - (XG20-2)
4. SIGNAL AHEAD - (XW3-3)
5. ONE LAND ROAD AHEAD - (XW20-4)
6. STOP HERE ON RED - (XR10-6)
7. TURN AND CURVE SIGNS - (XW1-4)

CONSTRUCTION SIGN

SUMMARY OF CONSTRUCTION SIGN SCHEDULE

SIGN NO.	DESCRIPTION	SIZE	TYPE	EST. QTY	UNIT
XW20-1	ROAD CONSTRUCTION AHEAD	36"X36"	A	4	EACH
XG20-2	END CONSTRUCTION	36"X18"	A	4	EACH
XW3-3	SIGNAL AHEAD	36"X36"	A	2	EACH
XW20-4	ONE LANE ROAD AHEAD	36"X36"	A	2	EACH
XR10-6	STOP HERE ON RED	24"X36"	A	2	EACH
XW1-4	TURN AND CURVE SIGNS	36"X36"	A	4	EACH
	TOTAL CONSTRUCTION SIGNS			**18**	**EACH**

GENERAL NOTES

1. All materials, procedures, signs, markings, flashers and miscellaneous items shall conform to the requirements of the current INDOT Standard Specifications and the Indiana Manual on Uniform Traffic Control Devices.
2. Each sign or barricade will be paid for only once regardless of how many times it is moved.
3. Contractor shall conduct meetings with state police, fire department, ambulance service and local schools to coordinate roadway work.

Date: Sep 14, 2020, 9:03pm User Name: SFisch
File: S:_2018\218-0028\Road\CAD\INDOT\INDOT-Signage.dwg

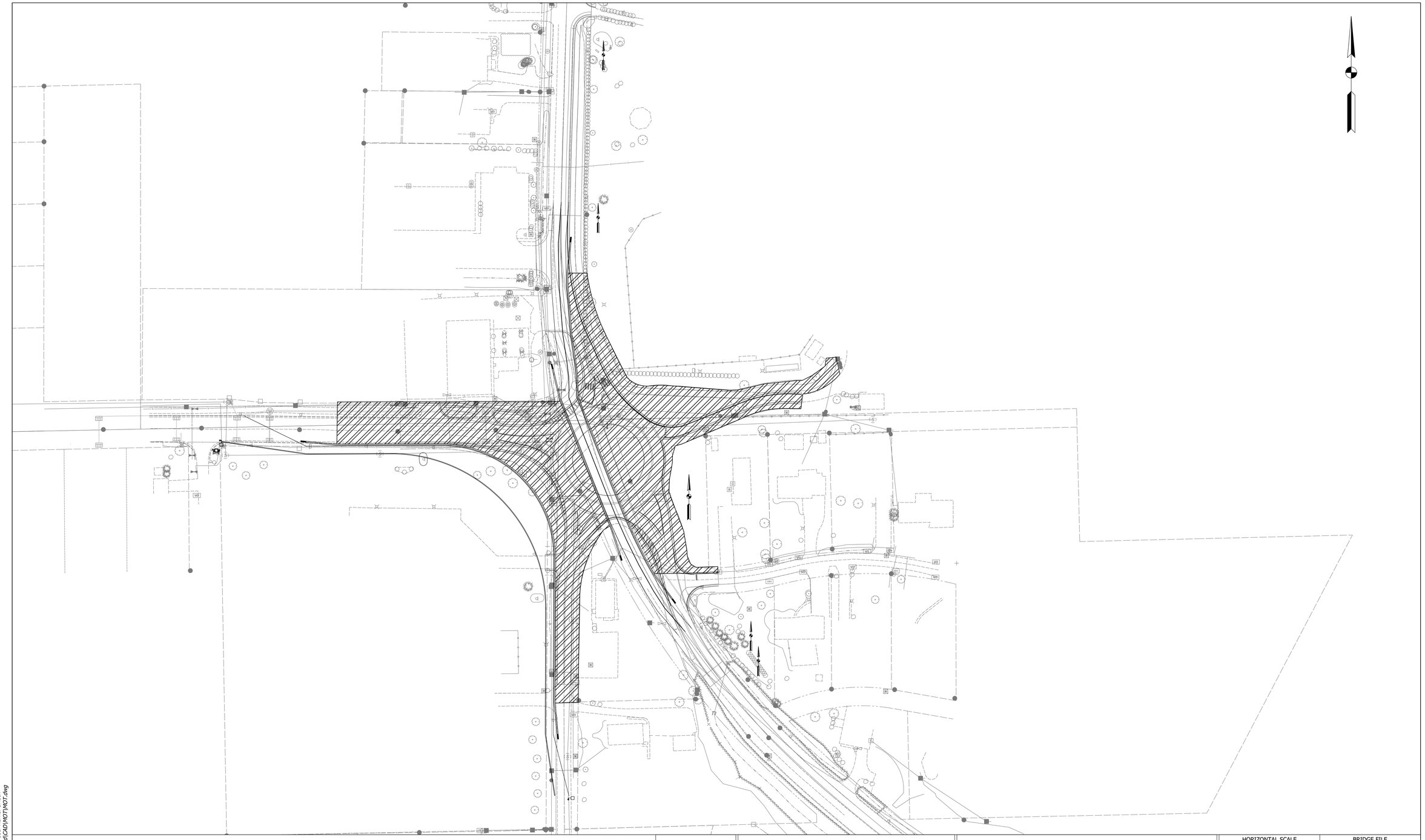
RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

DESIGNED: --- DRAWN: ---
CHECKED: --- CHECKED: ---

INDIANA
DEPARTMENT OF TRANSPORTATION

DETAIL SHEET

HORIZONTAL SCALE	BRIDGE FILE
NTS	N/A
VERTICAL SCALE	DESIGNATION
N/A	-
SURVEY BOOK	SHEETS
	11 of 11
CONTRACT	PROJECT
-	218-0062-07H



Phase 1 Construction Area

RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

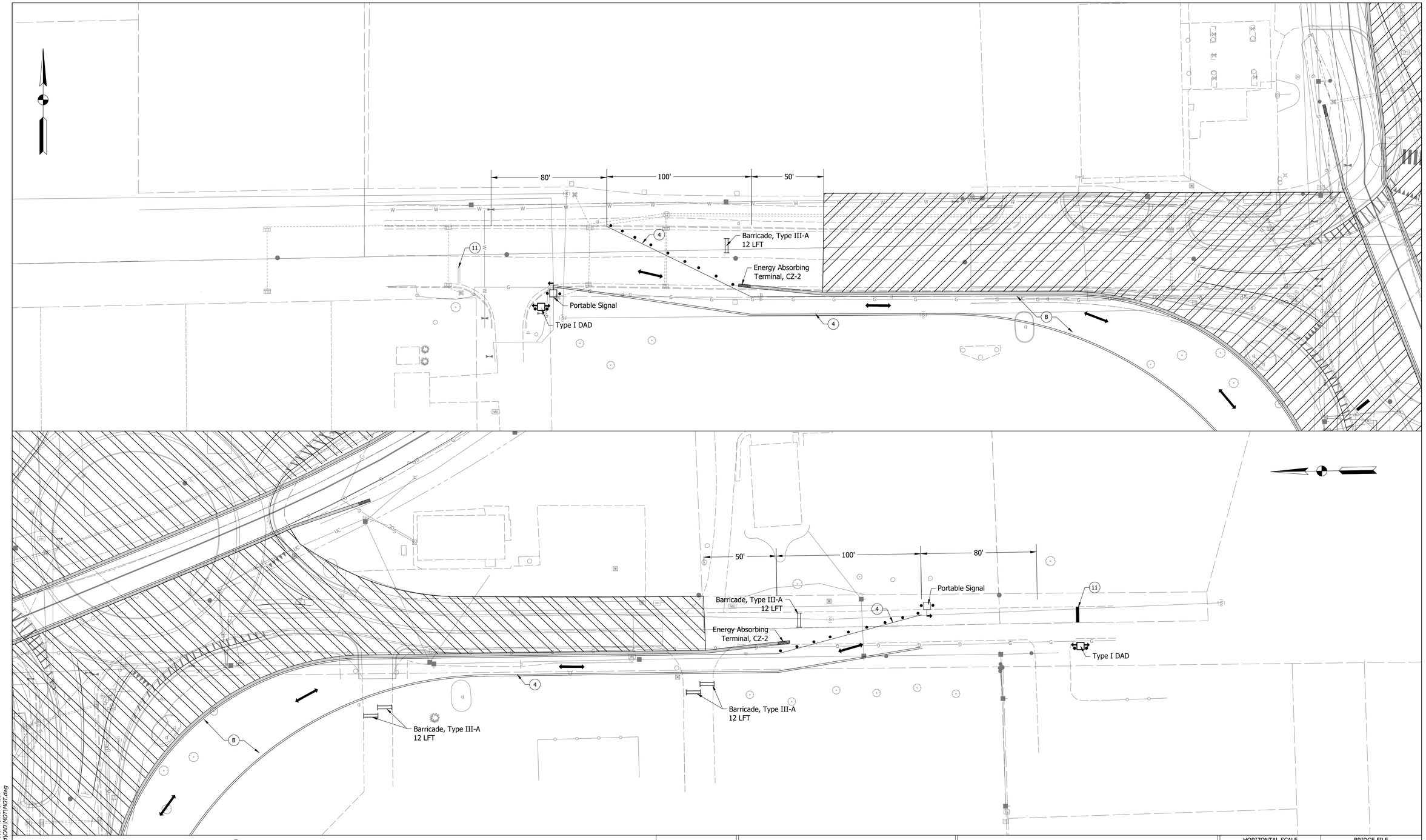
DESIGNED: SEB | DRAWN: KMA
CHECKED: JNH | CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - PHASE 1

HORIZONTAL SCALE	BRIDGE FILE
1"=70'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEETS
ELECTRONIC	12 of 78
CONTRACT	PROJECT
R-41180	1702835

Date: Sep 14, 2020, 9:04pm User Name: SFisch
File: S:_2018\1902026\Road\CAD\MOT\MOT1.dwg



Phase 1 Construction Area

Barricade, Type III-A

Channelizing Device, Drum

(4) Temporary Thermoplastic, Line, White, 4 IN.

(10) Temporary Thermoplastic, Line, Yellow, 4 IN.

(11) Temporary Thermoplastic, Stop Bar, White, 24 IN.

(B) HMA for Temporary Pavement

Temporary Concrete Barrier

RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

DESIGNED: SEB DRAWN: KMA

CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - PHASE 1
AIRPORT RD

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEETS
ELECTRONIC	13 of 78
CONTRACT	PROJECT
R-41180	1702835

Date: Sep 14, 2020, 9:04pm User Name: SFisch
File: S:_2018\219-0626\Road\CAD\PMT\MOT.dwg

65'
Shift Taper

50'
Buffer Distance

Energy Absorbing
Terminal, CZ-2

Energy Absorbing
Terminal, CZ-2

50'
Buffer Distance

50'
Shift Taper

Energy Absorbing
Terminal, CZ-2

Energy Absorbing
Terminal, CZ-2

Phase 1 Construction Area

Barricade, Type III-A

Channelizing Device, Drum

(4) Temporary Thermoplastic, Line, White, 4 IN.

(10) Temporary Thermoplastic, Line, Yellow, 4 IN.

(11) Temporary Thermoplastic, Stop Bar, White, 24 IN.

(8) HMA for Temporary Pavement

Temporary Concrete Barrier

RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

DESIGNED: SEB DRAWN: KMA

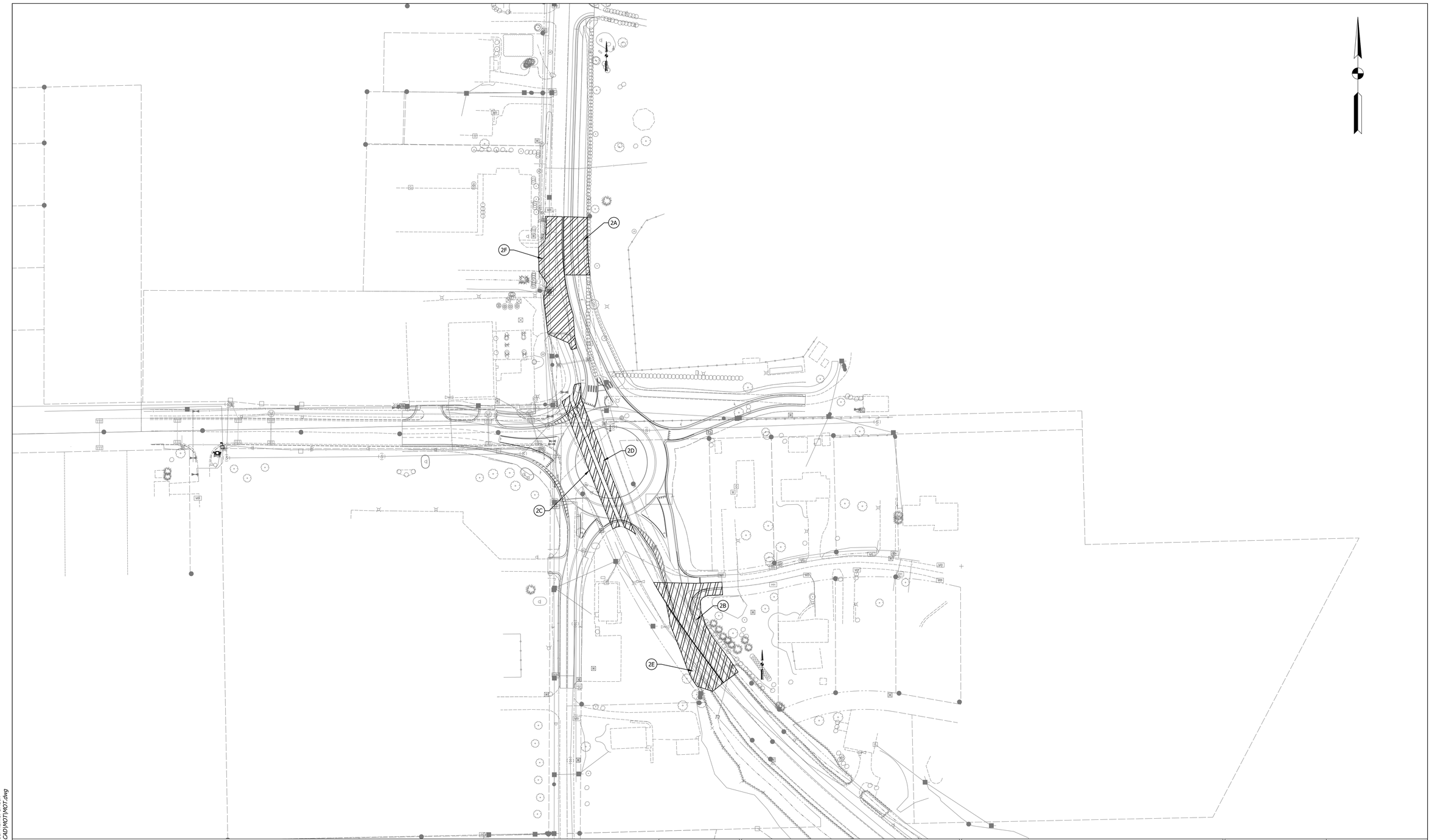
CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - PHASE 1
SR 39

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEETS
ELECTRONIC	14 of 78
CONTRACT	PROJECT
R-41180	1702835

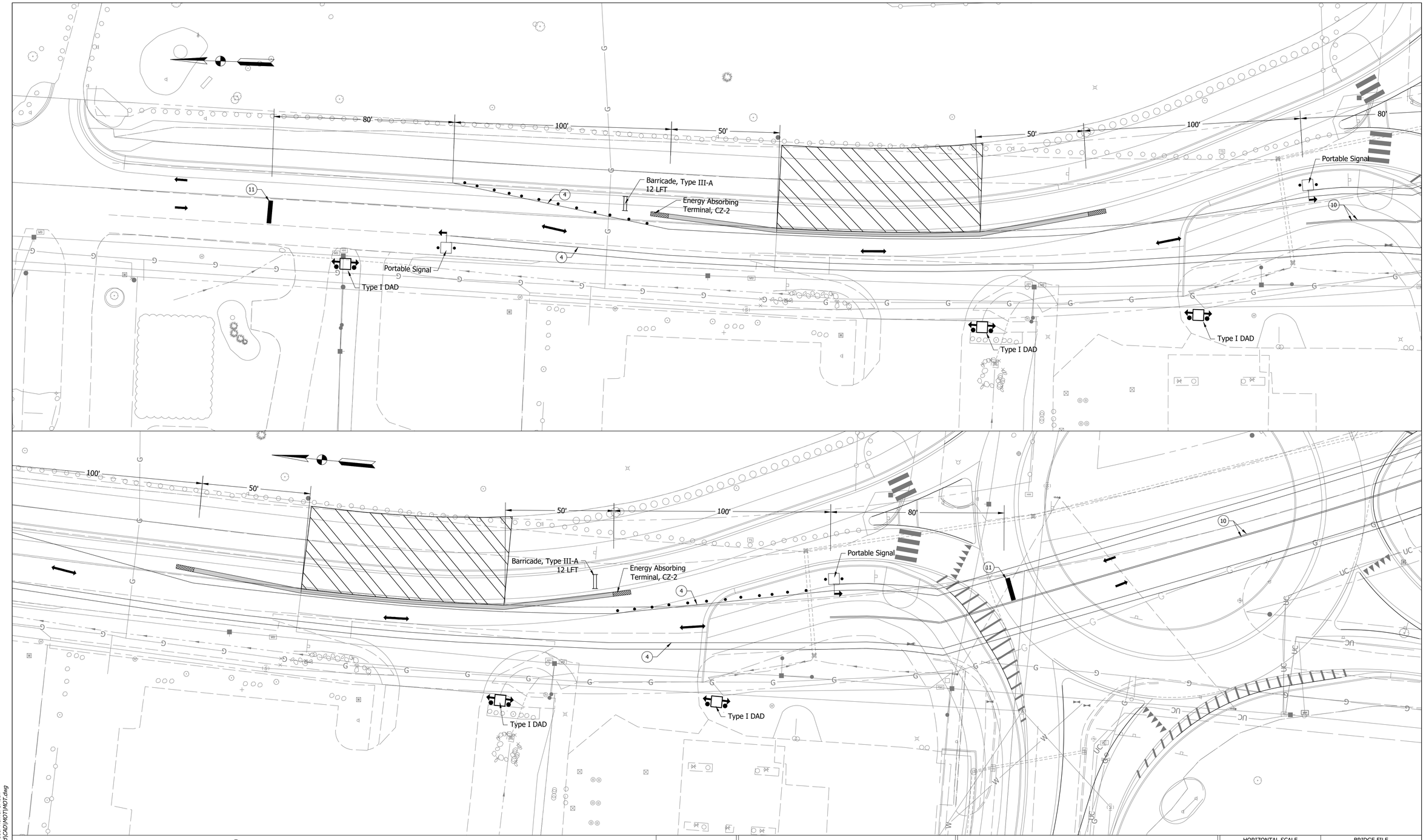
Date: Sep 14, 2020, 9:04pm User Name: SFSch
File: S:_2018\1218-002b\Road\CAD\MOT\MOT.dwg



Phase 2 Construction Area

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1"=70' / BRIDGE FILE: N/A
			VERTICAL SCALE: N/A / DESIGNATION: 1702835
DESIGNED: SEB	DRAWN: KMA	MAINTENANCE OF TRAFFIC - PHASE 2	SURVEY BOOK: ELECTRONIC / SHEETS: 15 of 78
CHECKED: JNH	CHECKED: JNH		CONTRACT: R-41180 / PROJECT: 1702835

Date: Sep 14, 2020, 9:04pm User Name: SFisch
File: S:\L2018\216-0028\Road\CAD\MOT\MOT-.dwg



Phase 2A Construction Area

Barricade, Type III-A

Channelizing Device, Drum

(4) Temporary Thermoplastic, Line, White, 4 IN.

(10) Temporary Thermoplastic, Line, Yellow, 4 IN.

(11) Temporary Thermoplastic, Stop Bar, White, 24 IN.

(B) HMA for Temporary Pavement

Temporary Concrete Barrier

RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

DESIGNED: SEB DRAWN: KMA

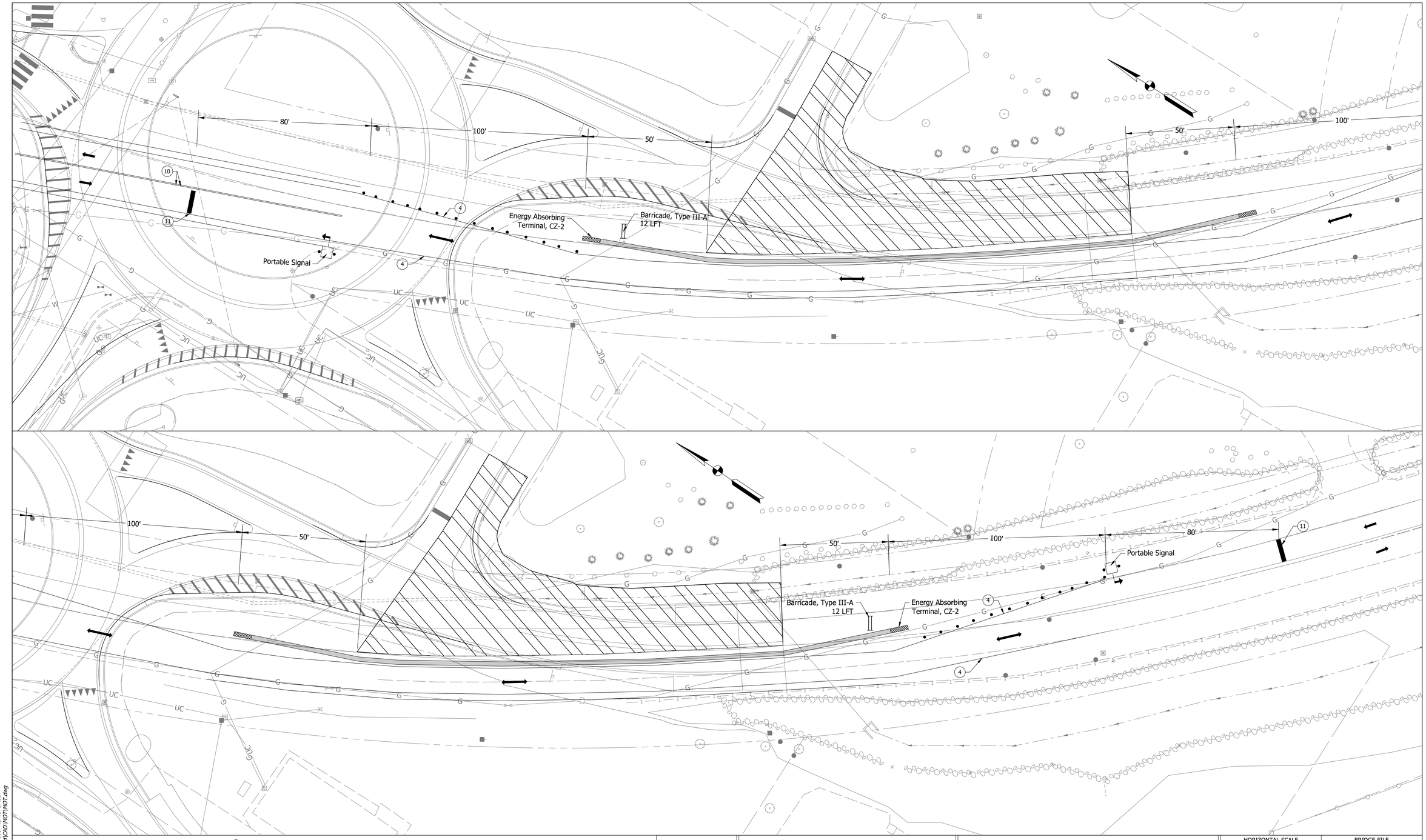
CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - PHASE 2A

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEETS
ELECTRONIC	16 of 78
CONTRACT	PROJECT
R-41180	1702835

Date: Sep 14, 2020, 9:04pm User Name: SFisch
File: S:_2018\19-0626\Road\CAD\MOT\MOT1.dwg



Phase 2B Construction Area

Barricade, Type III-A

Channelizing Device, Drum

(4) Temporary Thermoplastic, Line, White, 4 IN.

(10) Temporary Thermoplastic, Line, Yellow, 4 IN.

(11) Temporary Thermoplastic, Stop Bar, White, 24 IN.

(B) HMA for Temporary Pavement

Temporary Concrete Barrier

RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

DESIGNED: SEB DRAWN: KMA

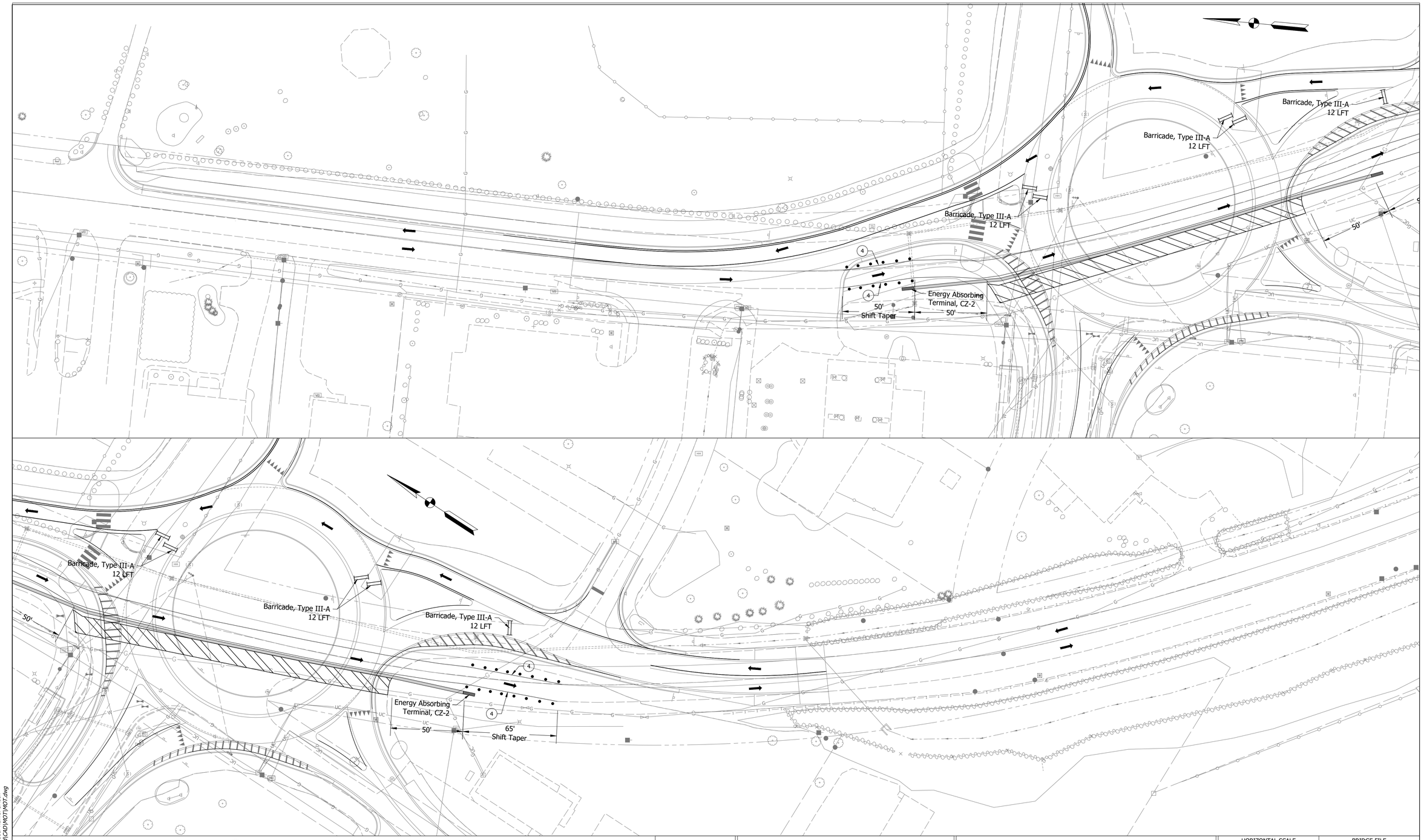
CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - PHASE 2B

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEETS
ELECTRONIC	17 of 78
CONTRACT	PROJECT
R-41180	1702835

Date: Sep 14, 2020, 9:04pm User Name: SFSch
File: S:\L2018\1218-0026\Road\CAD\MOT\MOT.dwg



Phase 2C Construction Area

Barricade, Type III-A

Channelizing Device, Drum

(4) Temporary Thermoplastic, Line, White, 4 IN.

(10) Temporary Thermoplastic, Line, Yellow, 4 IN.

(11) Temporary Thermoplastic, Stop Bar, White, 24 IN.

(B) HMA for Temporary Pavement

Temporary Concrete Barrier

RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

DESIGNED: SEB DRAWN: KMA

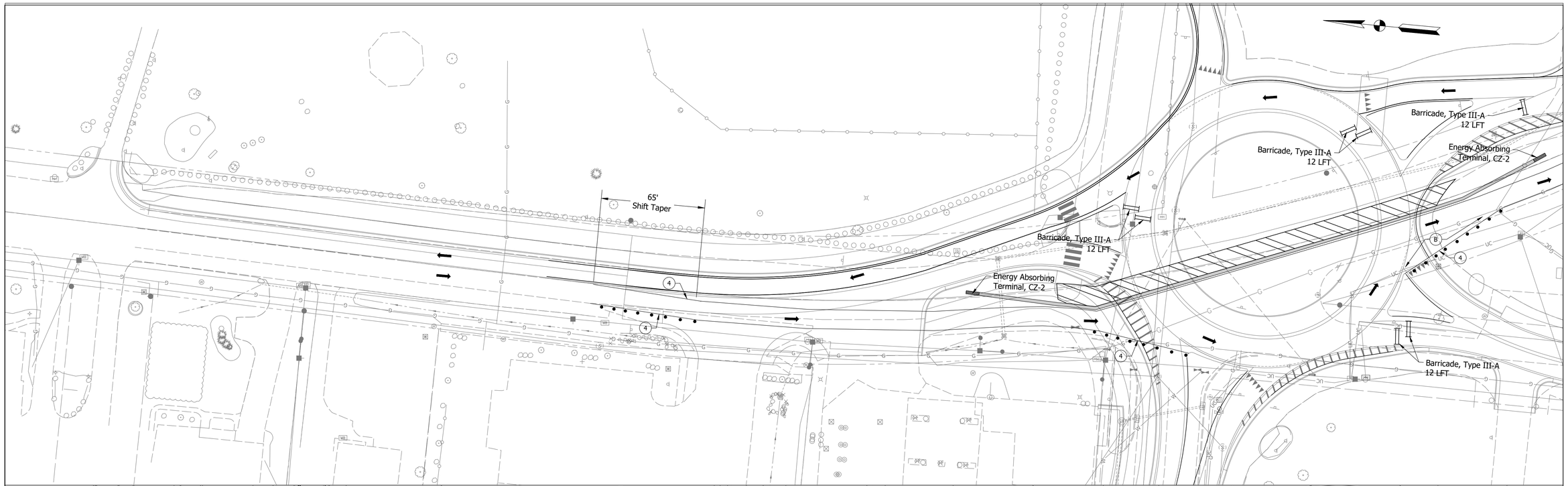
CHECKED: JNH CHECKED: JNH

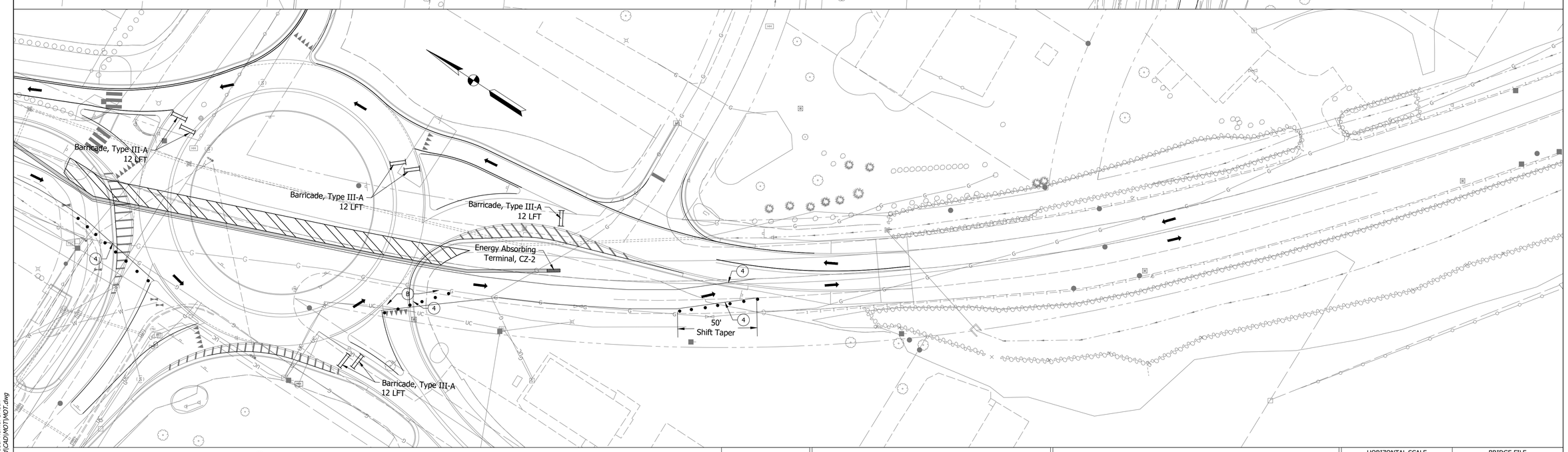
INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - PHASE 2C

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEETS
ELECTRONIC	18 of 78
CONTRACT	PROJECT
R-41180	1702835

Date: Sep 14, 2026, 9:05pm User Name: SFisch
File: S:_2016\216-0026\Road\CAD\MOT\PHOT.dwg





Phase 2D Construction Area

Barricade, Type III-A

Channelizing Device, Drum

(4) Temporary Thermoplastic, Line, White, 4 IN.

(10) Temporary Thermoplastic, Line, Yellow, 4 IN.

(11) Temporary Thermoplastic, Stop Bar, White, 24 IN.

(B) HMA for Temporary Pavement

Temporary Concrete Barrier

RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

DESIGNED: SEB DRAWN: KMA

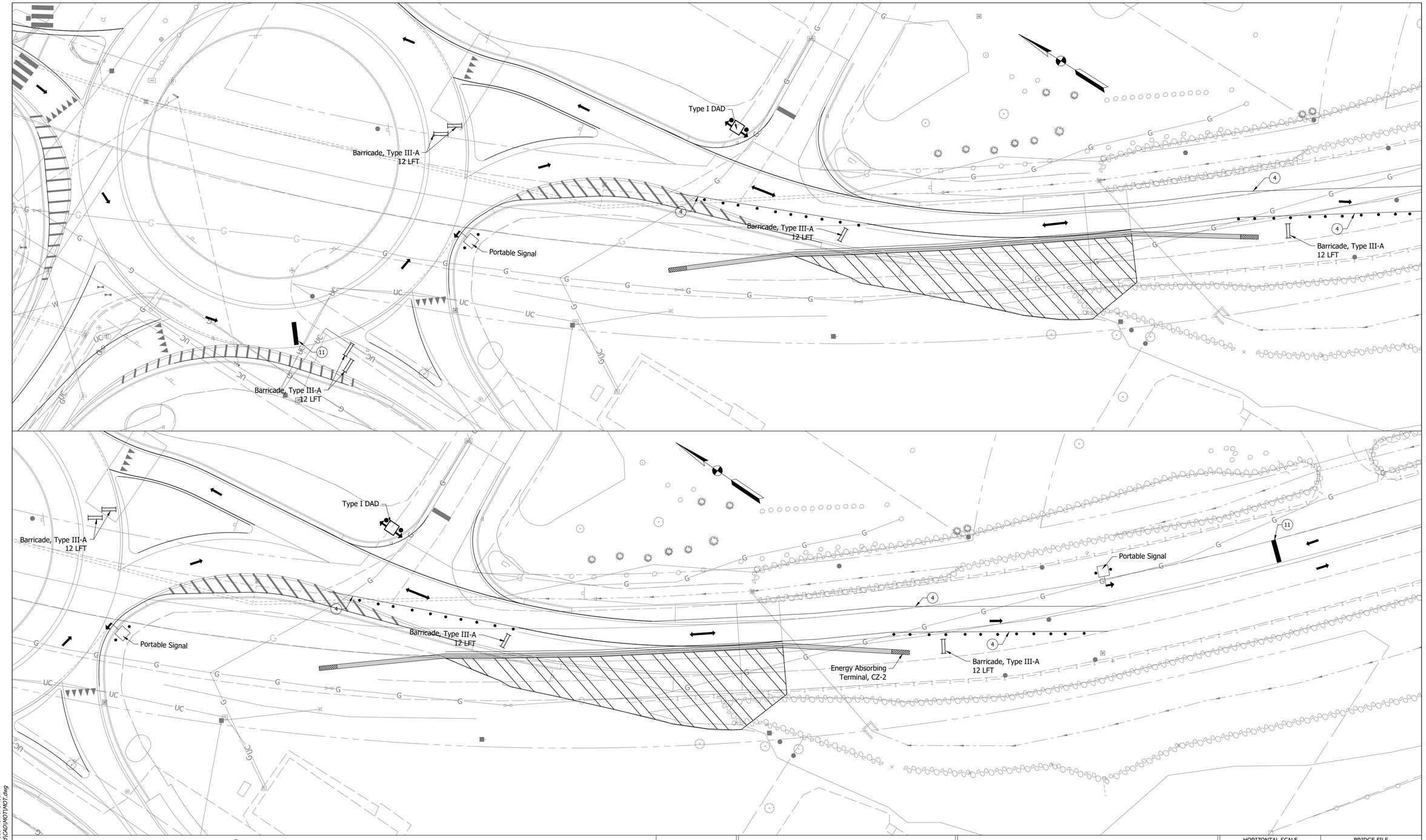
CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - PHASE 2D

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEETS
ELECTRONIC	19 of 78
CONTRACT	PROJECT
R-41180	1702835

Date: Sep 14, 2026, 9:05pm User Name: SFisch
File: S:_2008\216-0026\Road\CAD\TMOT\TMOT.dwg



Phase 2E Construction Area

Barricade, Type III-A

Channelizing Device, Drum

(4) Temporary Thermoplastic, Line, White, 4 IN.

(10) Temporary Thermoplastic, Line, Yellow, 4 IN.

(11) Temporary Thermoplastic, Stop Bar, White, 24 IN.

(B) HMA for Temporary Pavement

Temporary Concrete Barrier

RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

DESIGNED: SEB DRAWN: KMA

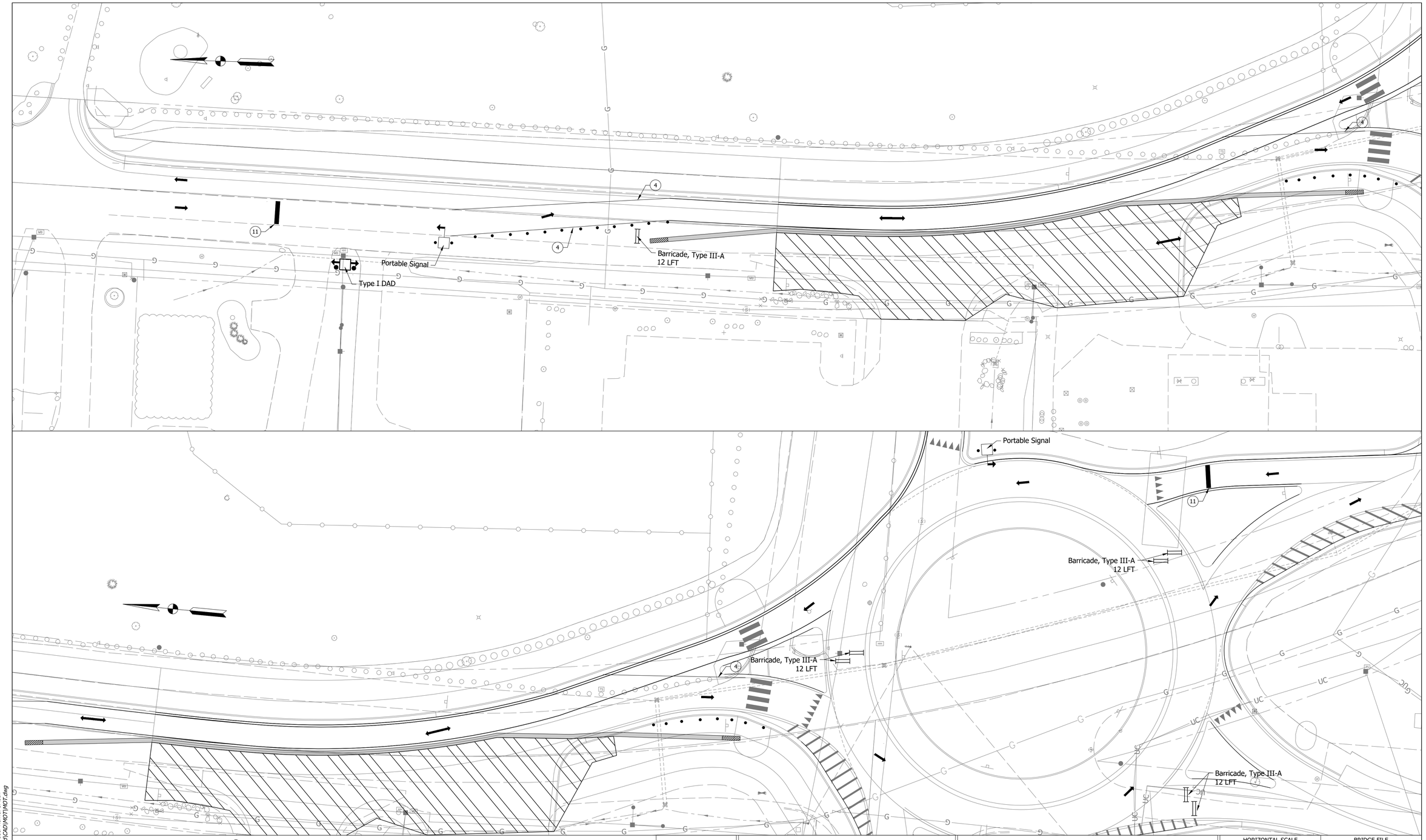
CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - PHASE 2E

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEETS
ELECTRONIC	20 of 78
CONTRACT	PROJECT
R-41180	1702835

Date: Sep 14, 2020, 9:05pm User Name: SFSch
File: S:\L_2018\1218-002b\Road\CAD\MOT\MOT.dwg



Phase 2F Construction Area

Barricade, Type III-A

Channelizing Device, Drum

(4) Temporary Thermoplastic, Line, White, 4 IN.

(10) Temporary Thermoplastic, Line, Yellow, 4 IN.

(11) Temporary Thermoplastic, Stop Bar, White, 24 IN.

(B) HMA for Temporary Pavement

Temporary Concrete Barrier

RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

DESIGNED: SEB DRAWN: KMA

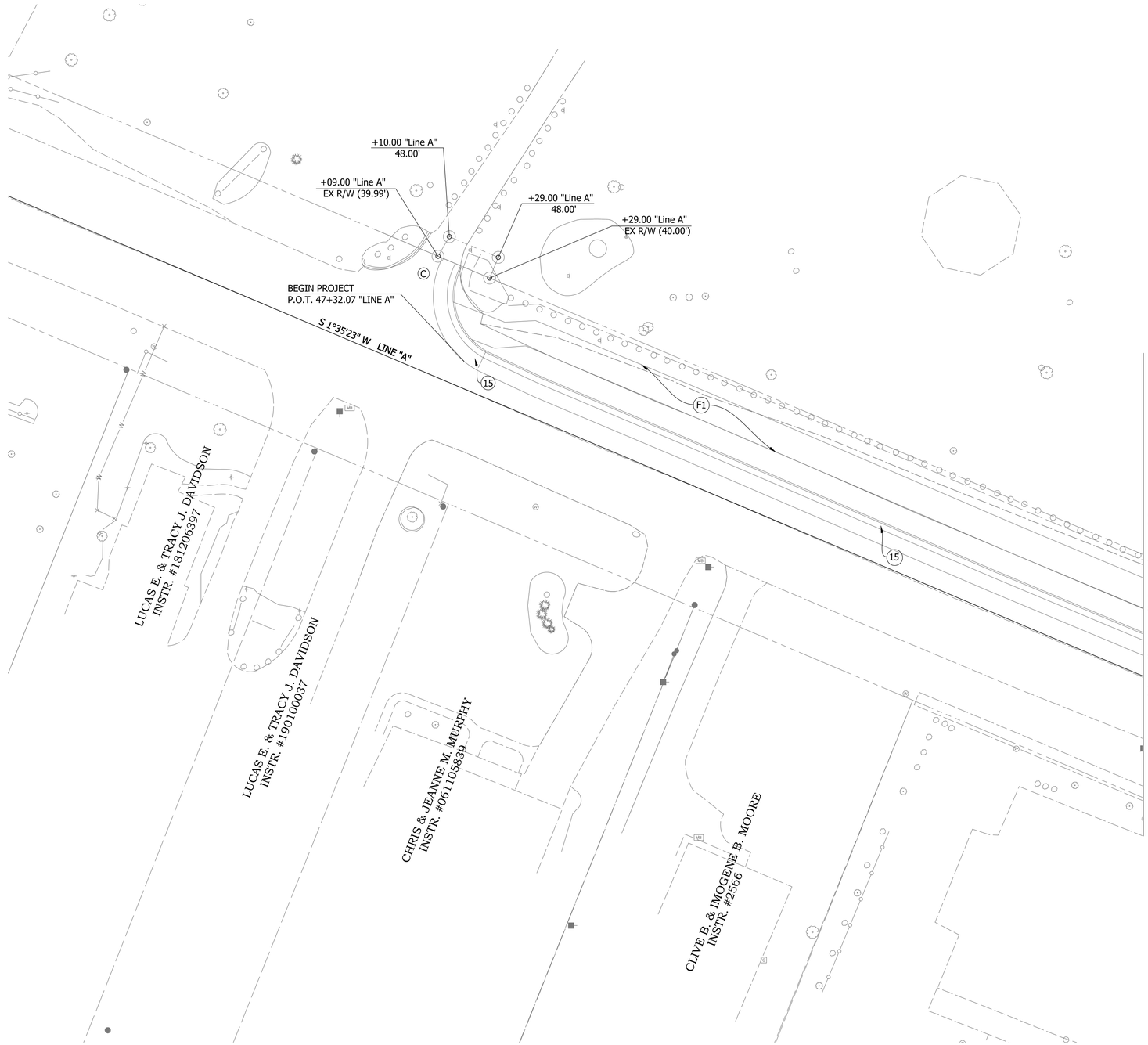
CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - PHASE 2F

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEETS
ELECTRONIC	21 of 78
CONTRACT	PROJECT
R-41180	218-0062-07H

Date: Sep 14, 2020, 9:05pm User Name: SFisch
File: S:_2018\218-0062\Road\CAD\MOT\MOT.dwg



(K) 165 LB/SYS QC/QA-HMA, 3, 70, Surface, 9.5 mm, on
275 LB/SYS QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on
330 LB/SYS QC/QA-HMA, 3, 64, Base, 19.0 mm, on
250 LB/SYS QC/QA-HMA, 4, 76, Intermediate, OG, 19.0 mm, on
330 LB/SYS QC/QA HMA, 3, 64, Base, 19.00 mm on
Subgrade Treatment, Type 1B

(C) PCCP for Approaches

(K1) 165 LB/SYS QC/QA-HMA, 3, 70, Surface, 9.5 mm, on
275 LB/SYS QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on
330 LB/SYS QC/QA HMA, 3, 64, Base, 19.00 mm on
Subgrade Treatment, Type 1B

(15) Curb and Gutter, Concrete

(16) Curb and Gutter, B, Concrete

(26) Sodding, Nursery

(13) Curb, Concrete

(F1) HMA for Sidewalk
140 LB/SYS HMA Surface, Type B, on
220 LB/SYS HMA Intermediate, Type B, on
6 IN. Compacted Aggregate, No. 53, Base, on
Subgrade Treatment, Type III

(A) PCCP, 9 IN. on
3 IN. Compacted Aggregate, No. 53, Base, on
Subgrade Treatment 1B

RECOMMENDED FOR APPROVAL _____ 7/28/2020
DESIGN ENGINEER DATE

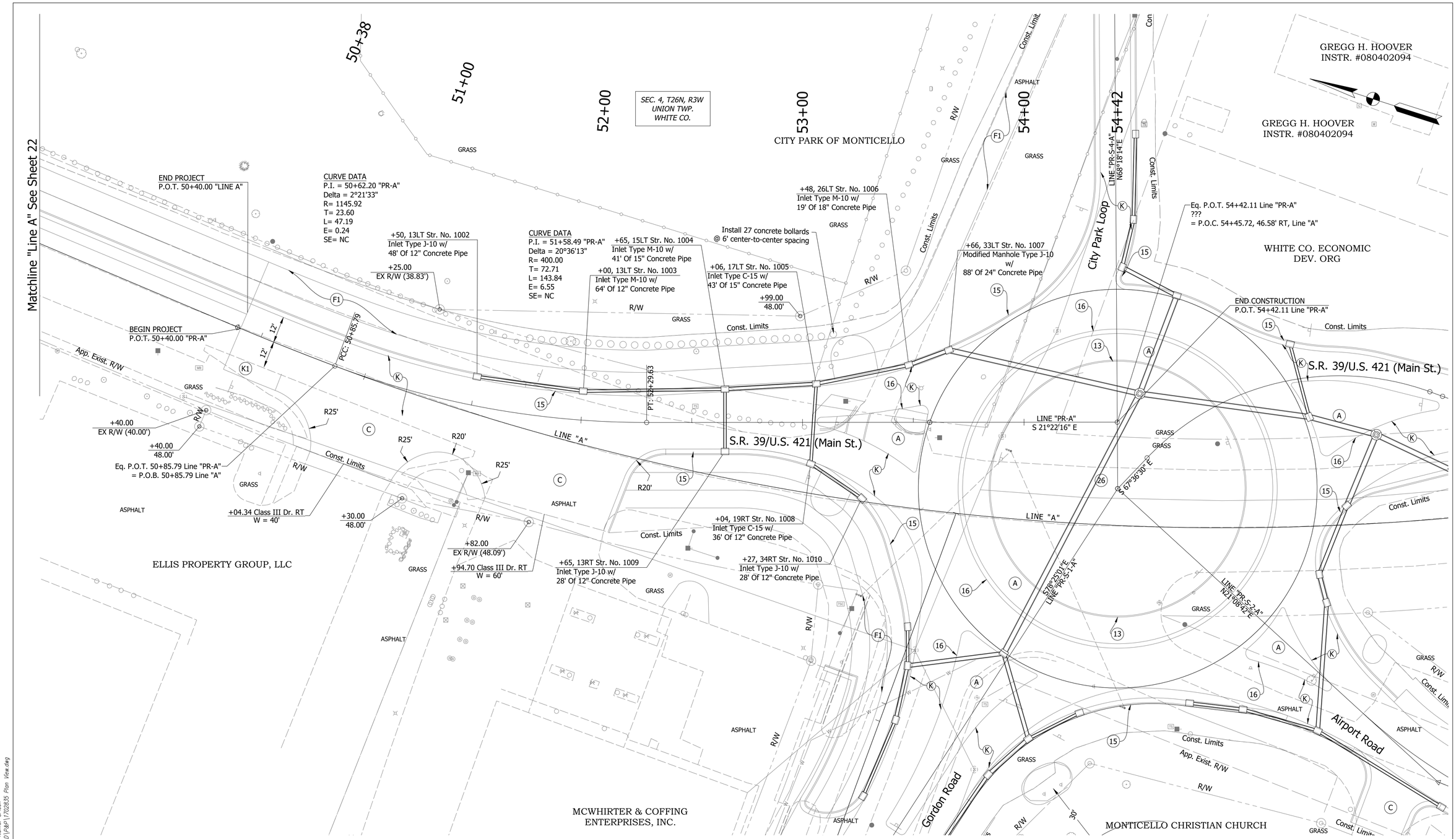
DESIGNED: SB DRAWN: SB
CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEETS
ELECTRONIC	23 of 78
CONTRACT	PROJECT
R-41180	1702835

Date: Sep 14, 2020, 9:05pm User Name: SFisch
File: S:_2018\218-0026\Wood\CAD\PDP\1702835 Plan View.dwg



(K)	165 LB/SYS QC/QA-HMA, 3, 70, Surface, 9.5 mm, on 275 LB/SYS QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on 330 LB/SYS QC/QA-HMA, 3, 64, Base, 19.0 mm, on 250 LB/SYS QC/QA-HMA, 4, 76, Intermediate, OG, 19.0 mm, on 330 LB/SYS QC/QA HMA, 3, 64, Base, 19.00 mm on Subgrade Treatment, Type 1B	(K1)	165 LB/SYS QC/QA-HMA, 3, 70, Surface, 9.5 mm, on 275 LB/SYS QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on 330 LB/SYS QC/QA HMA, 3, 64, Base, 19.00 mm on Subgrade Treatment, Type 1B
(C)	PCCP for Approaches	(15)	Curb and Gutter, Concrete
		(16)	Curb and Gutter, B, Concrete
		(26)	Sodding, Nursery
		(13)	Curb, Concrete
(F1)	HMA for Sidewalk 140 LB/SYS HMA Surface, Type B, on 220 LB/SYS HMA Intermediate, Type B, on 6 IN. Compacted Aggregate, No. 53, Base, on Subgrade Treatment, Type III		
(A)	PCCP, 9 IN. on 3 IN. Compacted Aggregate, No. 53, Base, on Subgrade Treatment 1B		

RECOMMENDED FOR APPROVAL _____ 7/28/2020
DESIGN ENGINEER DATE

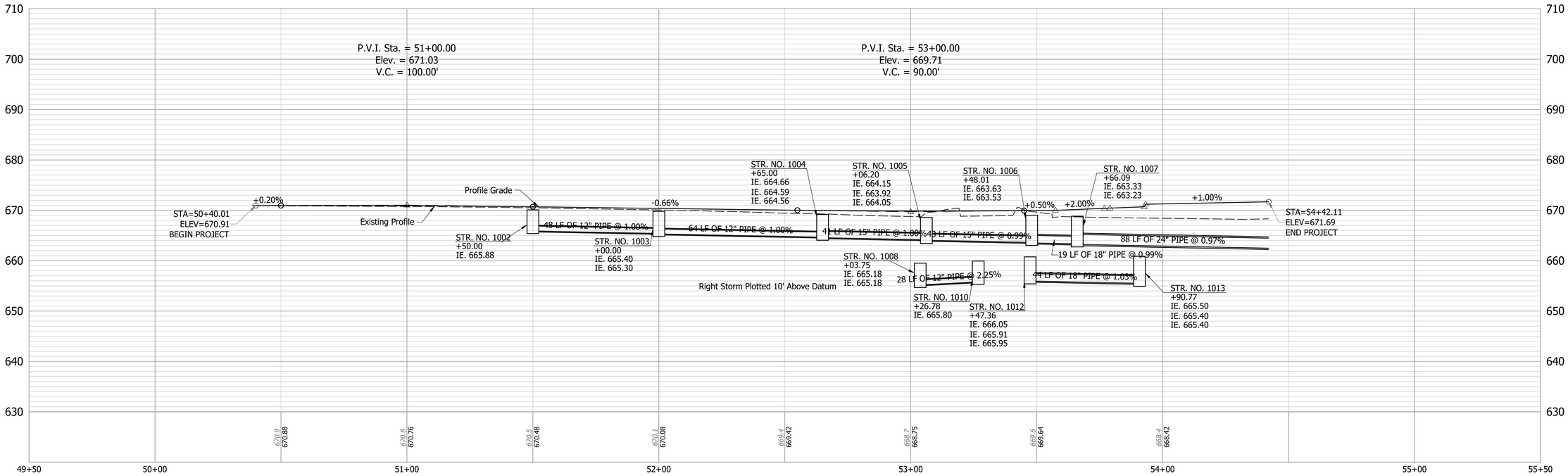
DESIGNED: SB DRAWN: SB
CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "PR-A"

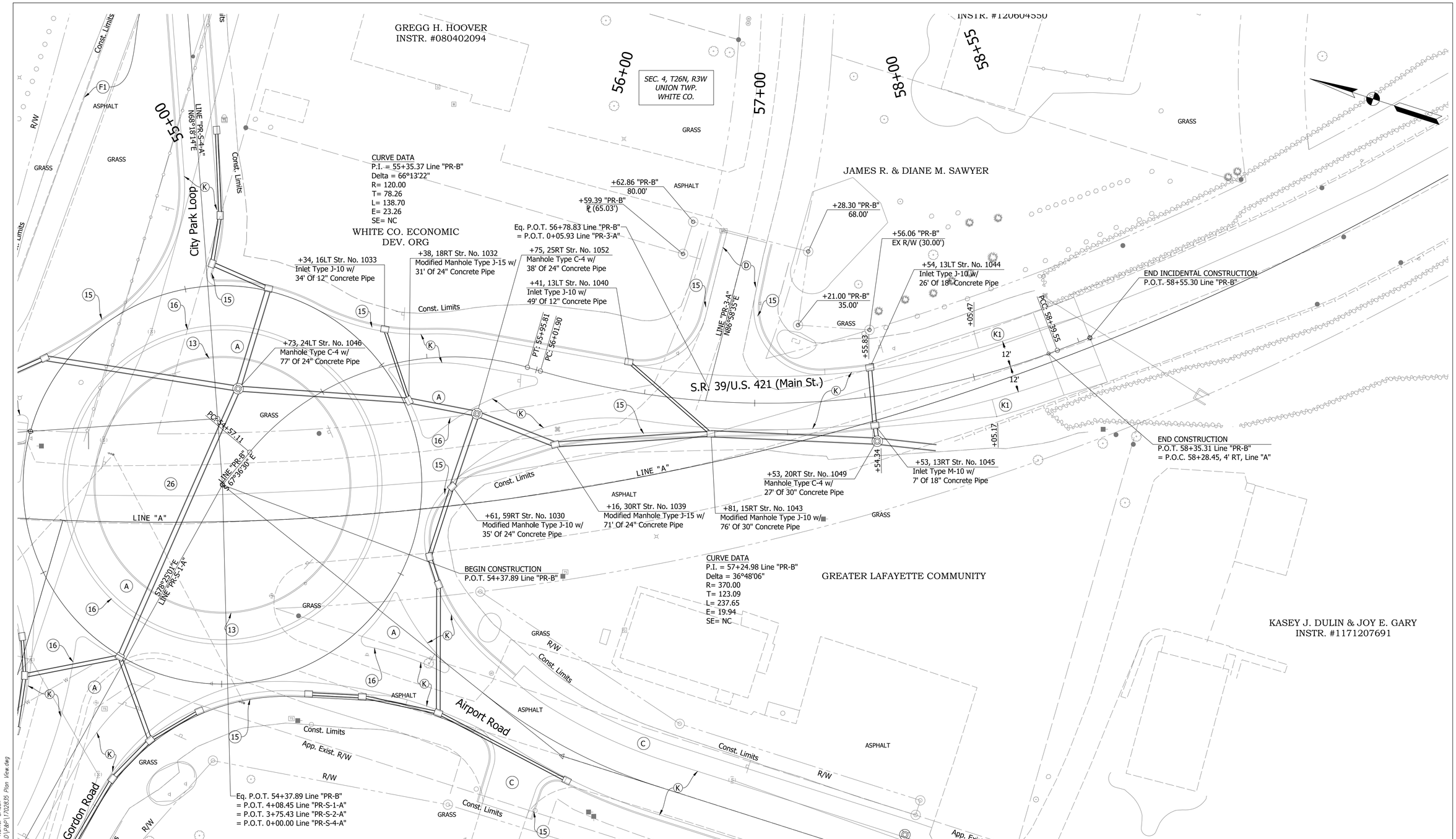
HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEETS
ELECTRONIC	23 of 78
CONTRACT	PROJECT
R-41180	1702835

Date: Sep 14, 2020, 9:06pm User Name: STisch
File: S:_2018\218-0026\Road\CAD\PMP\1702835 Plan View.dwg



Date: Sep 14, 2020, 9:06pm User Name: SFisch
File: S:_2019\1218-6026\Road\CAD\PMH\1702835 Profiles.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER 7/28/2020 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
		1" = 20'	N/A
		VERTICAL SCALE	DESIGNATION
		1" = 10'	1702835
DESIGNED: KMA / DRAWN: KMA	PROFILE LINE "PR-A"	SURVEY BOOK	SHEETS
		ELECTRONIC	24 of 78
CHECKED: JNH / CHECKED: JNH		CONTRACT	PROJECT
		R-41180	1702835



(K) 165 LB/SYS QC/QA-HMA, 3, 70, Surface, 9.5 mm, on
275 LB/SYS QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on
330 LB/SYS QC/QA-HMA, 3, 64, Base, 19.0 mm, on
250 LB/SYS QC/QA-HMA, 4, 76, Intermediate, OG, 19.0 mm, on
330 LB/SYS QC/QA HMA, 3, 64, Base, 19.00 mm on
Subgrade Treatment, Type 1B

(C) PCCP for Approaches

(K1) 165 LB/SYS QC/QA-HMA, 3, 70, Surface, 9.5 mm, on
275 LB/SYS QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on
330 LB/SYS QC/QA HMA, 3, 64, Base, 19.00 mm on
Subgrade Treatment, Type 1B

(15) Curb and Gutter, Concrete

(16) Curb and Gutter, B, Concrete

(26) Sodding, Nursery

(13) Curb, Concrete

(F1) HMA for Sidewalk
140 LB/SYS HMA Surface, Type B, on
220 LB/SYS HMA Intermediate, Type B, on
6 IN. Compacted Aggregate, No. 53, Base, on
Subgrade Treatment, Type III

(A) PCCP, 9 IN. on
3 IN. Compacted Aggregate, No. 53, Base, on
Subgrade Treatment 1B

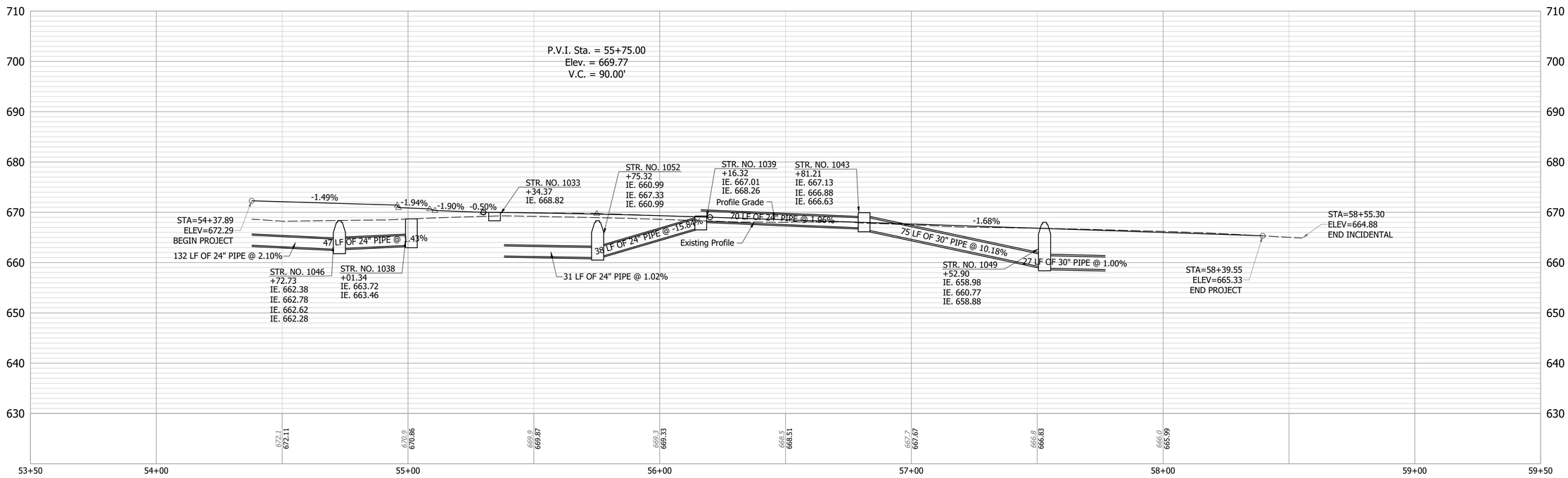
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	7/28/2020 DATE
DESIGNED: SB	DRAWN: SB	
CHECKED: JNH	CHECKED: JNH	

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "PR-B"

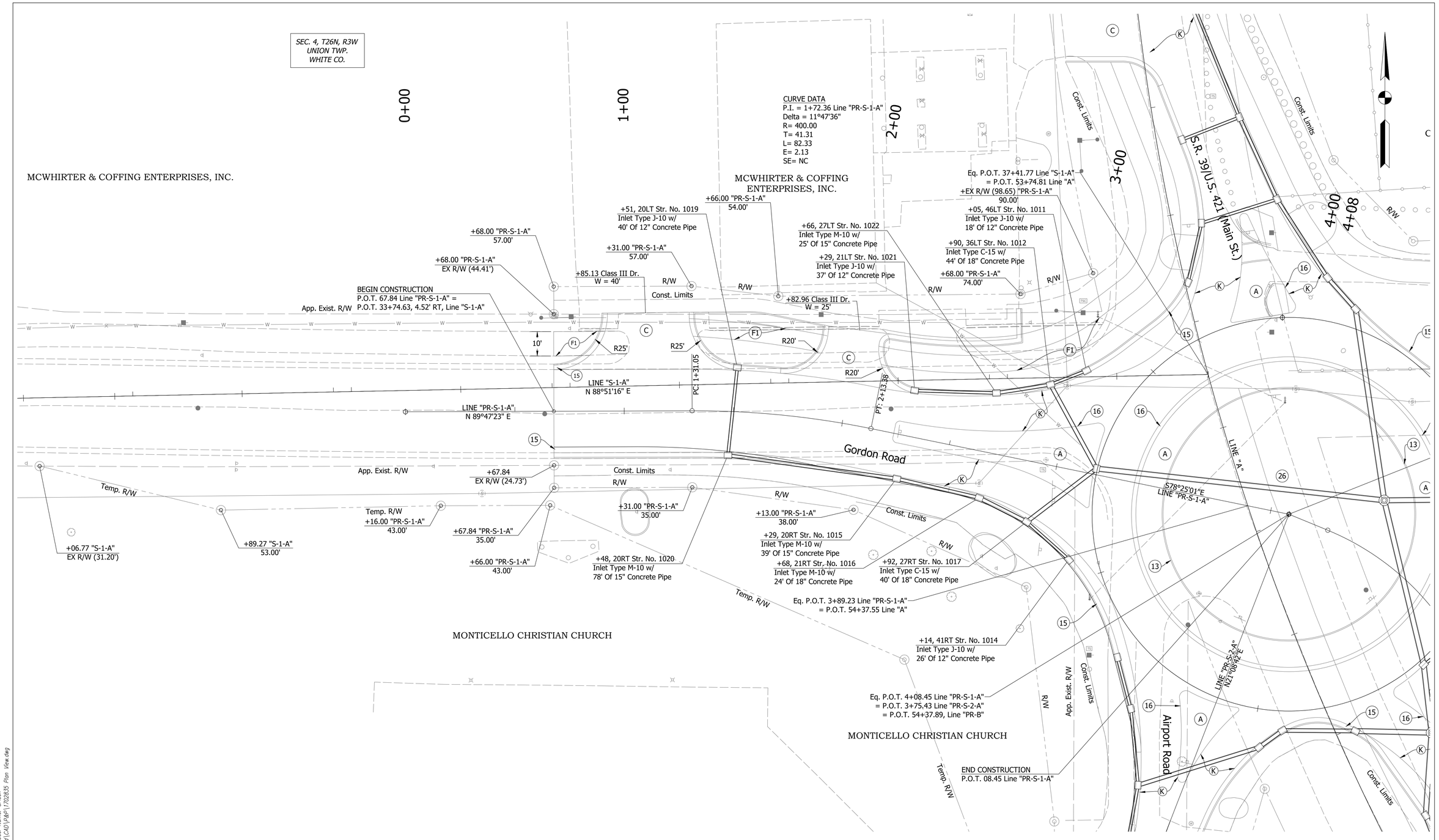
HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEETS
ELECTRONIC	25 of 78
CONTRACT	PROJECT
R-41180	1702835

Date: Sep 14, 2020, 9:06pm User Name: SFisch
File: S:_2018\218-0026\Road\CAD\P&P\1702835 Plan View.dwg



Date: Sep 14, 2020, 9:07pm User Name: SFisch
File: S:\L2018\216-0028\Road\CAD\PR\R1702835 Profiles.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	7/28/2020 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1" = 20' / BRIDGE FILE: N/A
			VERTICAL SCALE: 1" = 10' / DESIGNATION: 1702835
DESIGNED: KMA	DRAWN: KMA	PROFILE LINE "PR-B"	SURVEY BOOK: ELECTRONIC / SHEETS: 26 of 78
CHECKED: JNH	CHECKED: JNH		CONTRACT: R-41180 / PROJECT: 1702835



Date: Sep 14, 2020, 9:07pm User Name: SFisch
File: S:_2018\218-0025\Road\CAD\P&P\1702835 Plan View.dwg

(K)	165 LB/SYS QC/QA-HMA, 3, 70, Surface, 9.5 mm, on 275 LB/SYS QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on 330 LB/SYS QC/QA-HMA, 3, 64, Base, 19.0 mm, on 250 LB/SYS QC/QA-HMA, 4, 76, Intermediate, OG, 19.0 mm, on 330 LB/SYS QC/QA HMA, 3, 64, Base, 19.00 mm on Subgrade Treatment, Type 1B	
(C)	PCCP for Approaches	
(K1)	165 LB/SYS QC/QA-HMA, 3, 70, Surface, 9.5 mm, on 275 LB/SYS QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on 330 LB/SYS QC/QA HMA, 3, 64, Base, 19.00 mm on Subgrade Treatment, Type 1B	
(15)	Curb and Gutter, Concrete	
(16)	Curb and Gutter, B, Concrete	
(26)	Sodding, Nursery	
(13)	Curb, Concrete	
(F1)	HMA for Sidewalk 140 LB/SYS HMA Surface, Type B, on 220 LB/SYS HMA Intermediate, Type B, on 6 IN. Compacted Aggregate, No. 53, Base, on Subgrade Treatment, Type III	
(A)	PCCP, 9 IN. on 3 IN. Compacted Aggregate, No. 53, Base, on Subgrade Treatment 1B	

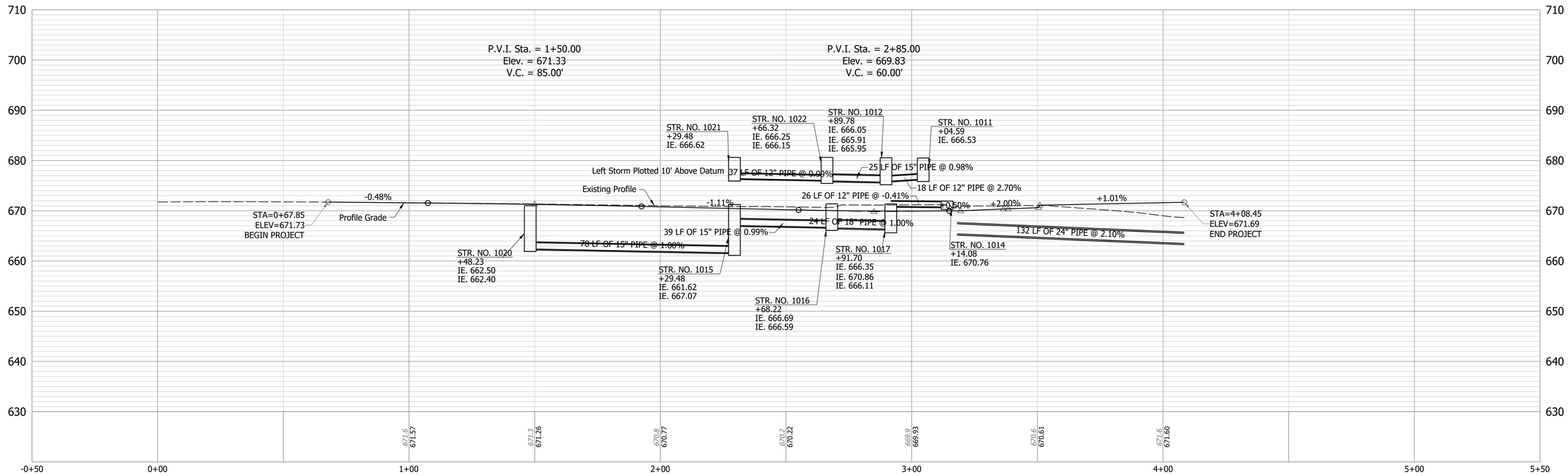
RECOMMENDED FOR APPROVAL _____ 7/28/2020
DESIGN ENGINEER DATE

DESIGNED: SB DRAWN: SB
CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "PR-S-1-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEETS
ELECTRONIC	27 of 78
CONTRACT	PROJECT
R-41180	1702835



Date: Sep 14, 2020, 9:07pm User Name: SFisch
File: S:_2018\216-0026\Road\CADTP\R1\1702835 Profiles.dwg

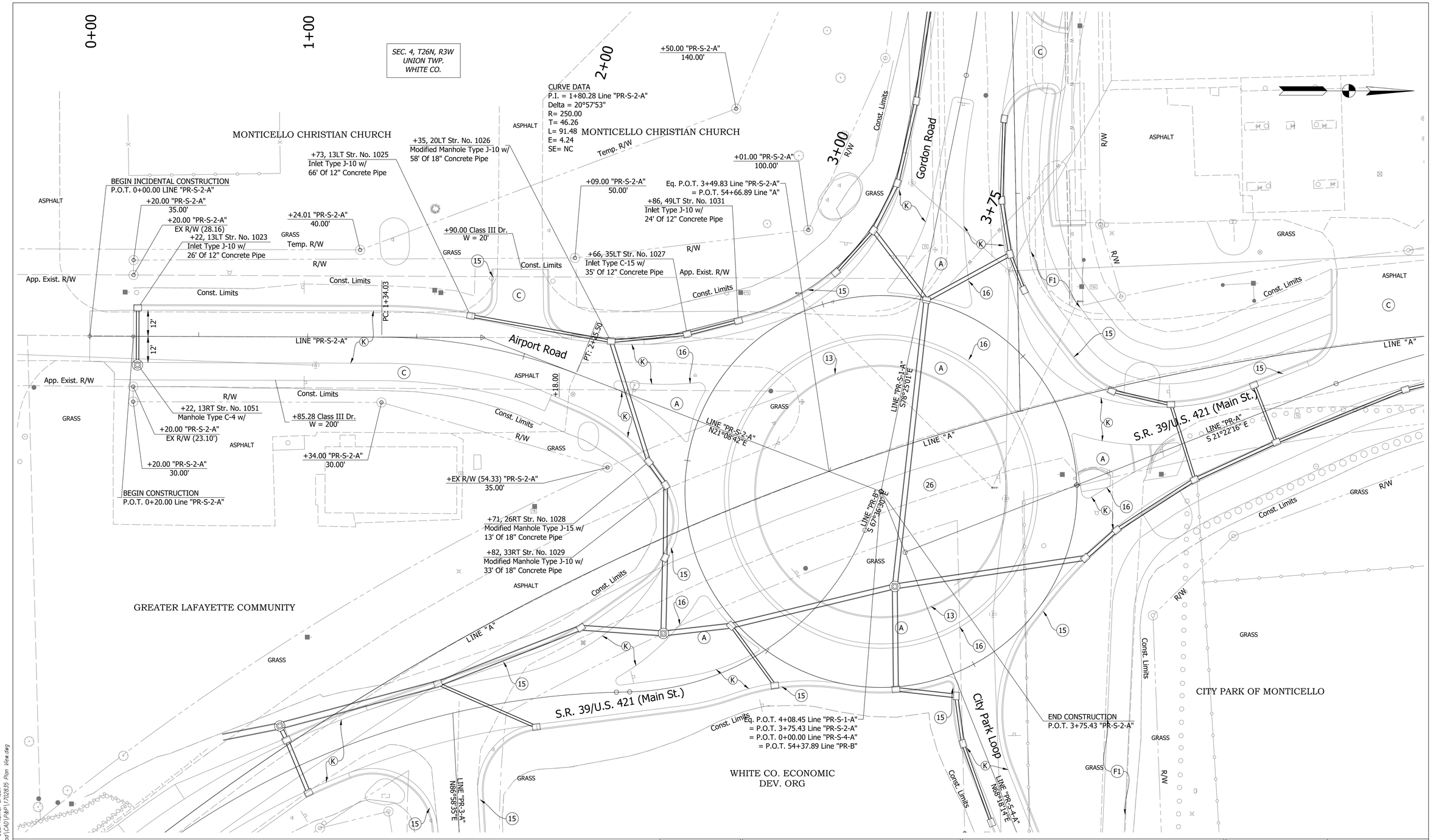
RECOMMENDED FOR APPROVAL _____ 7/28/2020
DESIGN ENGINEER DATE

DESIGNED: KMA DRAWN: KMA
CHECKED: JHN CHECKED: JHN

INDIANA
DEPARTMENT OF TRANSPORTATION

PROFILE
LINE "PR-S-1-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1702835
SURVEY BOOK	SHEETS
ELECTRONIC	28 of 78
CONTRACT	PROJECT
R-41180	1702835



(K) 165 LB/SYS QC/QA-HMA, 3, 70, Surface, 9.5 mm, on
275 LB/SYS QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on
330 LB/SYS QC/QA-HMA, 3, 64, Base, 19.0 mm, on
250 LB/SYS QC/QA-HMA, 4, 76, Intermediate, OG, 19.0 mm, on
330 LB/SYS QC/QA HMA, 3, 64, Base, 19.00 mm on
Subgrade Treatment, Type 1B

(C) PCCP for Approaches

(K1) 165 LB/SYS QC/QA-HMA, 3, 70, Surface, 9.5 mm, on
275 LB/SYS QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on
330 LB/SYS QC/QA HMA, 3, 64, Base, 19.00 mm on
Subgrade Treatment, Type 1B

(15) Curb and Gutter, Concrete

(16) Curb and Gutter, B, Concrete

(26) Sodding, Nursery

(13) Curb, Concrete

(F1) HMA for Sidewalk
140 LB/SYS HMA Surface, Type B, on
220 LB/SYS HMA Intermediate, Type B, on
6 IN. Compacted Aggregate, No. 53, Base, on
Subgrade Treatment, Type III

(A) PCCP, 9 IN. on
3 IN. Compacted Aggregate, No. 53, Base, on
Subgrade Treatment 1B

RECOMMENDED FOR APPROVAL _____ 7/28/2020
DESIGN ENGINEER DATE

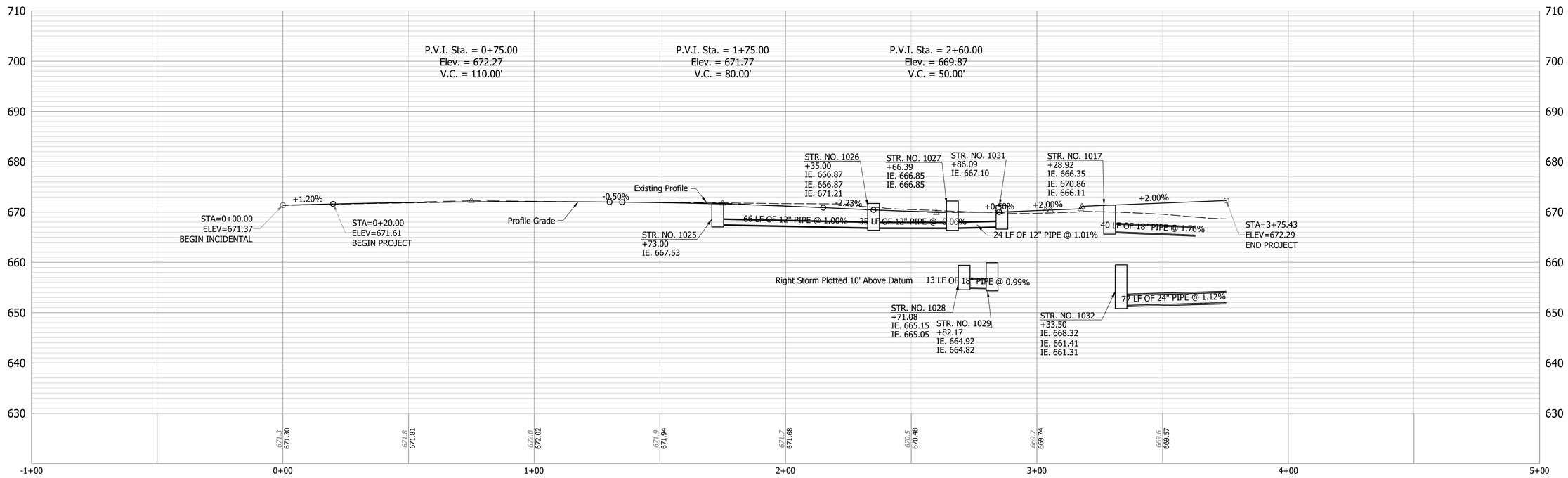
DESIGNED: SB DRAWN: SB
CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "PR-S-2-A"

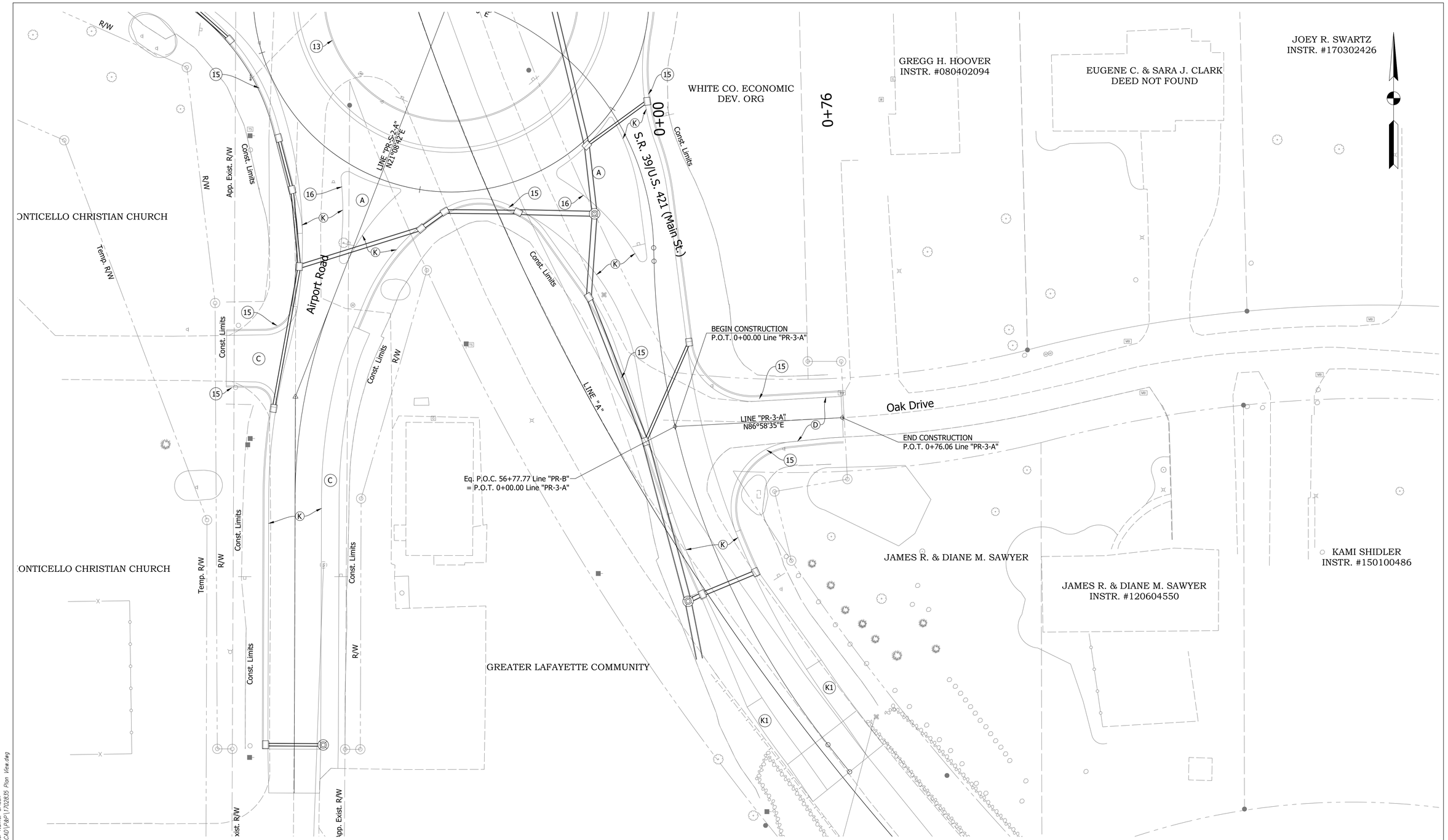
HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEETS
ELECTRONIC	29 of 78
CONTRACT	PROJECT
R-41180	1702835

Date: Sep 14, 2020, 9:08am User Name: SFisch
File: S:_2018\1206-0026\Wood\CAD\PdP\1702835 Plan View.dwg



Date: Sep 14, 2020, 9:08pm User Name: SFisch
File: S:_2018\1218-002b\Road\CAD\PMP\1702835 Profiles.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER 7/28/2020 DATE		INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1" = 20' / BRIDGE FILE: N/A / VERTICAL SCALE: 1" = 10' / DESIGNATION: 1702835
DESIGNED: KMA	DRAWN: KMA	PROFILE LINE "PR-S-2-A"	SURVEY BOOK: ELECTRONIC / SHEETS: 30 of 78
CHECKED: JNH	CHECKED: JNH		CONTRACT: R-41180 / PROJECT: 1702835



(K) 165 LB/SYS QC/QA-HMA, 3, 70, Surface, 9.5 mm, on 275 LB/SYS QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on 330 LB/SYS QC/QA-HMA, 3, 64, Base, 19.0 mm, on 250 LB/SYS QC/QA-HMA, 4, 76, Intermediate, OG, 19.0 mm, on 330 LB/SYS QC/QA HMA, 3, 64, Base, 19.00 mm on Subgrade Treatment, Type 1B	(K1) 165 LB/SYS QC/QA-HMA, 3, 70, Surface, 9.5 mm, on 275 LB/SYS QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on 330 LB/SYS QC/QA HMA, 3, 64, Base, 19.00 mm on Subgrade Treatment, Type 1B	(F1) HMA for Sidewalk 140 LB/SYS HMA Surface, Type B, on 220 LB/SYS HMA Intermediate, Type B, on 6 IN. Compacted Aggregate, No. 53, Base, on Subgrade Treatment, Type III
(C) PCCP for Approaches	(15) Curb and Gutter, Concrete	(26) Sodding, Nursery
	(16) Curb and Gutter, B, Concrete	(13) Curb, Concrete
		(A) PCCP, 9 IN. on 3 IN. Compacted Aggregate, No. 53, Base, on Subgrade Treatment 1B

RECOMMENDED FOR APPROVAL _____ 7/28/2020
DESIGN ENGINEER DATE

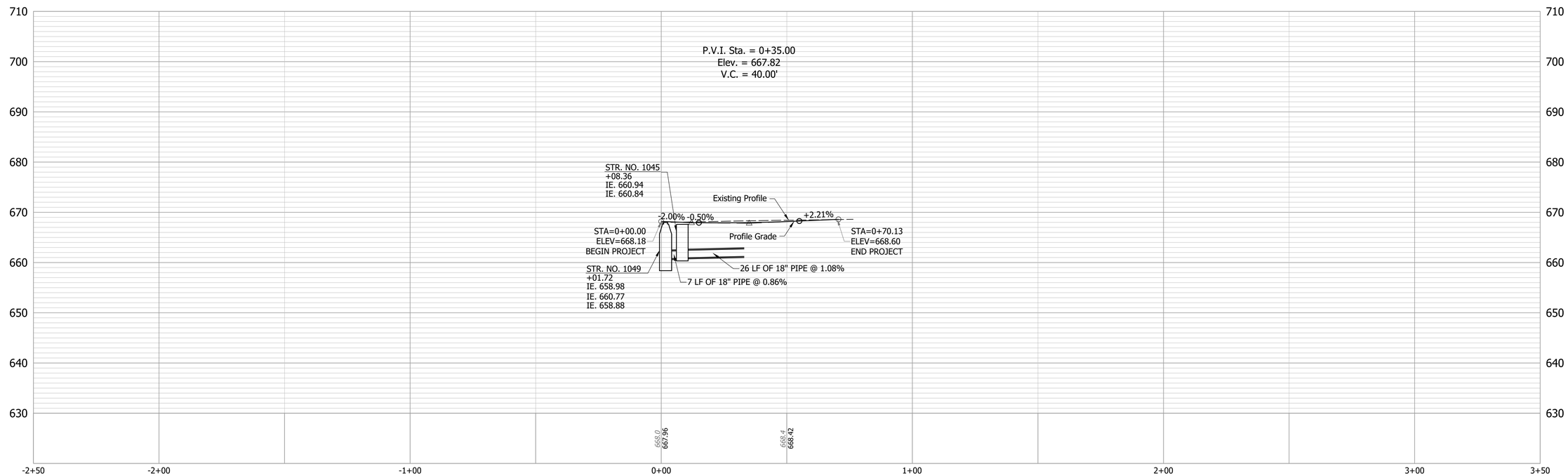
DESIGNED: SB DRAWN: SB
CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "PR-S-3-A"

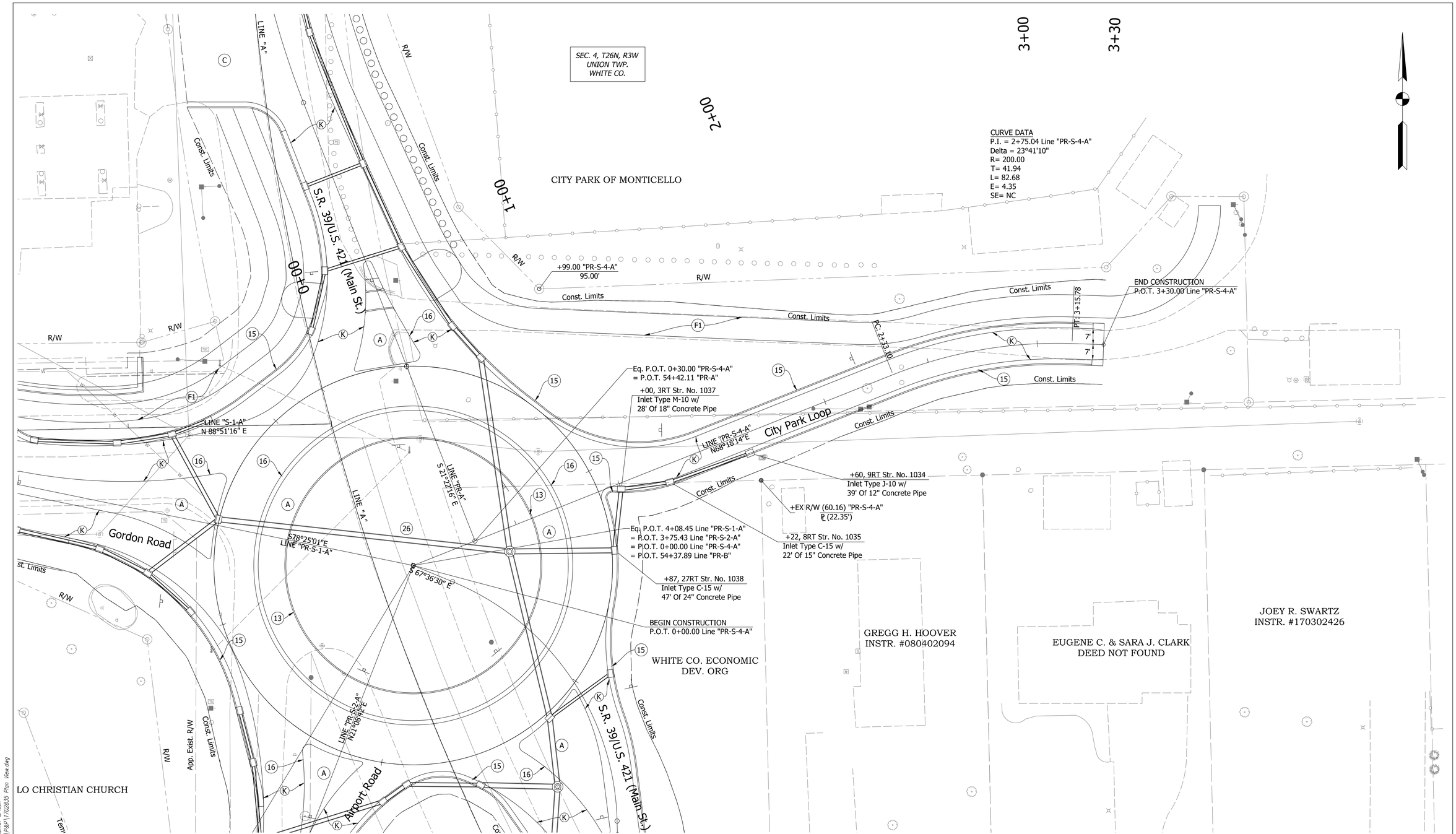
HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEETS
ELECTRONIC	31 of 78
CONTRACT	PROJECT
R-41180	1702835

Date: Sep 14, 2020, 9:08pm User Name: SFisch
File: S:_2018\218-0026\Road\CAD\PMP\1702835 Plan View.dwg



Date: Sep 14, 2020, 9:09pm User Name: SFisch
File: S:_2018\216-0620\Road\CAD\PDP\1702835 Profiles.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	7/28/2020 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1" = 20' / BRIDGE FILE: N/A
			VERTICAL SCALE: 1" = 10' / DESIGNATION: 1702835
DESIGNED: KMA	DRAWN: KMA	PROFILE LINE "PR-S-3-A"	SURVEY BOOK: ELECTRONIC / SHEETS: 32 of 78
CHECKED: JNH	CHECKED: JNH		CONTRACT: R-41180 / PROJECT: 1702835



(K) 165 LB/SYS QC/QA-HMA, 3, 70, Surface, 9.5 mm, on 275 LB/SYS QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on 330 LB/SYS QC/QA-HMA, 3, 64, Base, 19.0 mm, on 250 LB/SYS QC/QA-HMA, 4, 76, Intermediate, OG, 19.0 mm, on 330 LB/SYS QC/QA HMA, 3, 64, Base, 19.00 mm on Subgrade Treatment, Type 1B

(C) PCCP for Approaches

(K1) 165 LB/SYS QC/QA-HMA, 3, 70, Surface, 9.5 mm, on 275 LB/SYS QC/QA-HMA, 3, 70, Intermediate, 19.0 mm, on 330 LB/SYS QC/QA HMA, 3, 64, Base, 19.00 mm on Subgrade Treatment, Type 1B

(15) Curb and Gutter, Concrete

(16) Curb and Gutter, B, Concrete

(26) Sodding, Nursery

(13) Curb, Concrete

(F1) HMA for Sidewalk
140 LB/SYS HMA Surface, Type B, on
220 LB/SYS HMA Intermediate, Type B, on
6 IN. Compacted Aggregate, No. 53, Base, on Subgrade Treatment, Type III

(A) PCCP, 9 IN. on
3 IN. Compacted Aggregate, No. 53, Base, on Subgrade Treatment 1B

RECOMMENDED FOR APPROVAL _____ 7/28/2020
DESIGN ENGINEER DATE

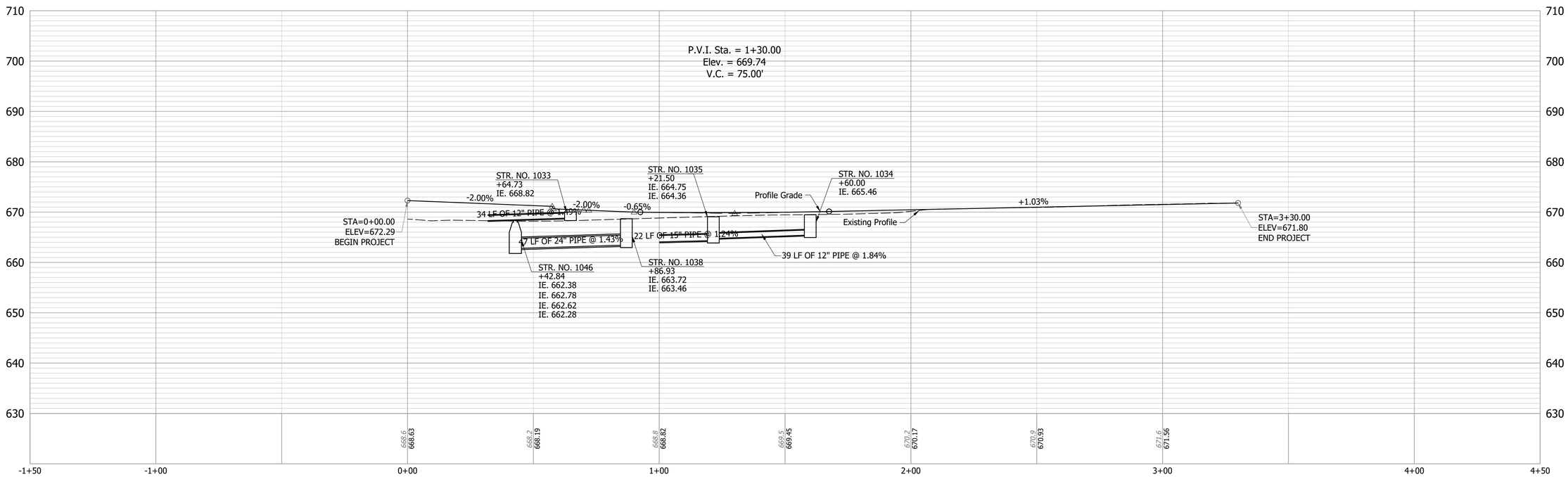
DESIGNED: SB DRAWN: SB
CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
LINE "PR-S-4-A"

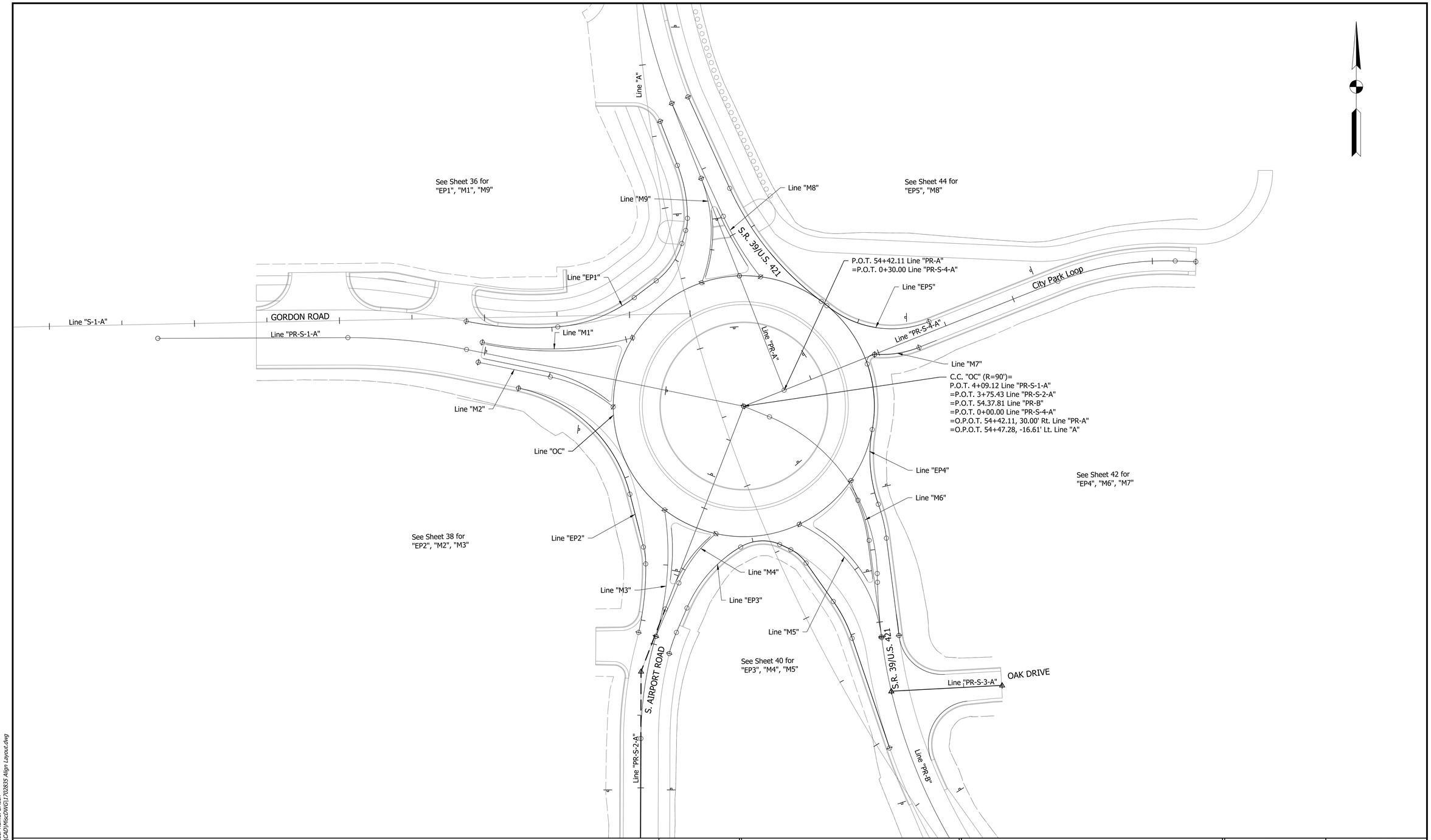
HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEETS
ELECTRONIC	33 of 78
CONTRACT	PROJECT
R-41180	1702835

Date: Sep 14, 2020, 0:09pm User Name: STisch
File: S:_2018\210-0026\Road\CAD\PMP\1702835 Plan View.dwg



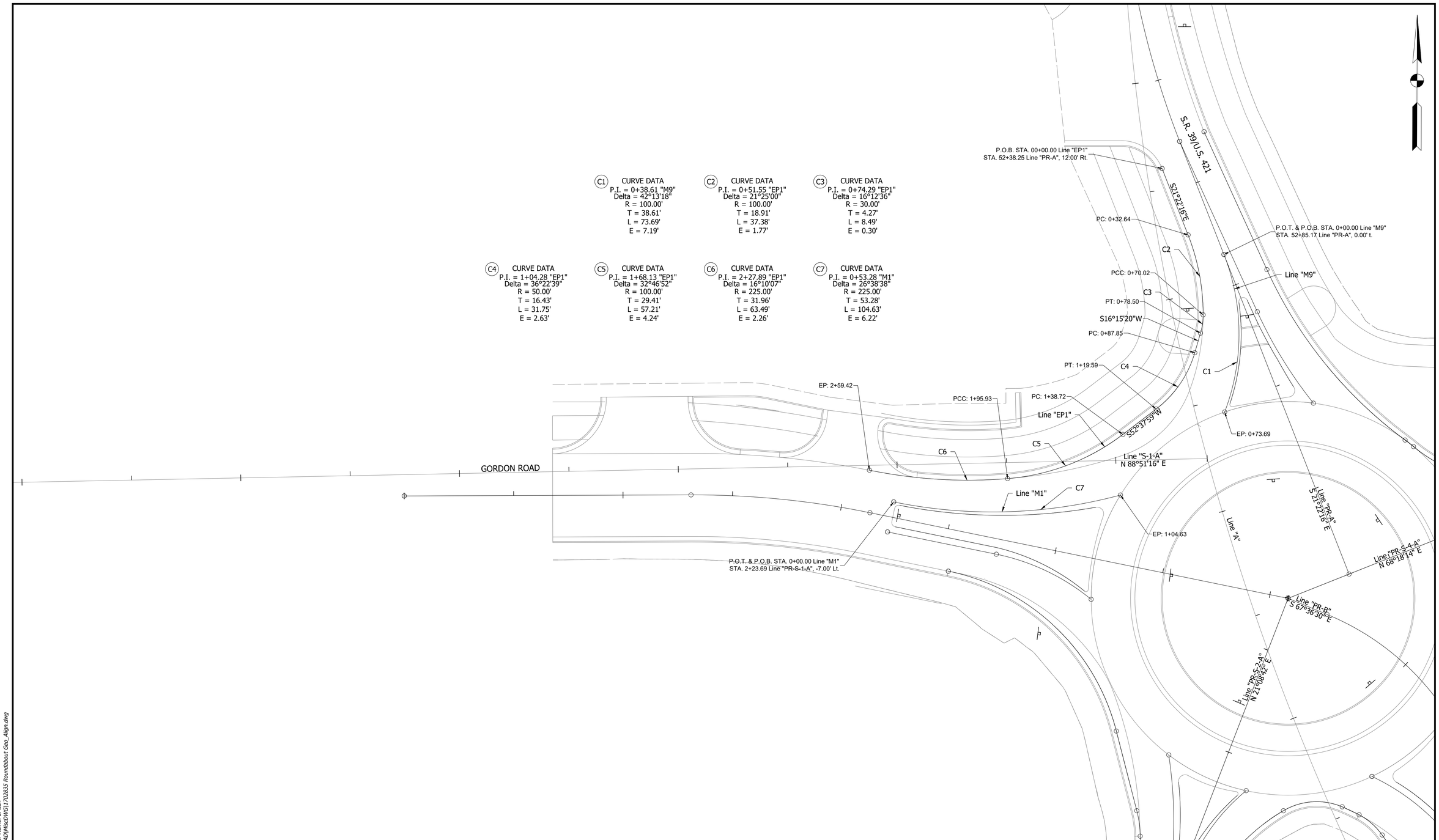
Date: Sep 14, 2020, 9:09pm User Name: SFisch
File: S:_2018\19-0826\Road\CAD\Part\1702835 Profiles.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	7/28/2020 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1" = 20' / BRIDGE FILE: N/A / VERTICAL SCALE: 1" = 10' / DESIGNATION: 1702835
DESIGNED: KMA	DRAWN: KMA	PROFILE LINE "PR-S-4-A"	SURVEY BOOK: ELECTRONIC / SHEETS: 34 of 78
CHECKED: JNH	CHECKED: JNH		CONTRACT: R-41180 / PROJECT: 1702835



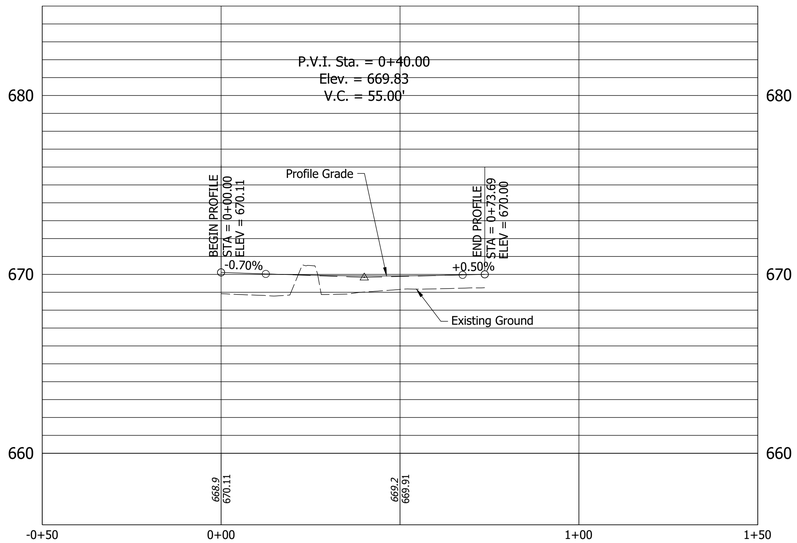
RECOMMENDED FOR APPROVAL ____ --/--/---- DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1"=30'	BRIDGE FILE: N/A
		VERTICAL SCALE: N/A	DESIGNATION: 1702835
DESIGNED: SMF DRAWN: SMF	ROUNDABOUT GEOMETRICS	SURVEY BOOK: ELECTRONIC	SHEET: 35 of 78
CHECKED: JNH CHECKED: JNH		CONTRACT: R-41180	PROJECT: 1702835

Date: Sep 14, 2020, 9:09pm User Name: SFisch
File: S:_2018\218-0026\Road\CAD\MiscDWG\1702835 Align Layout.dwg



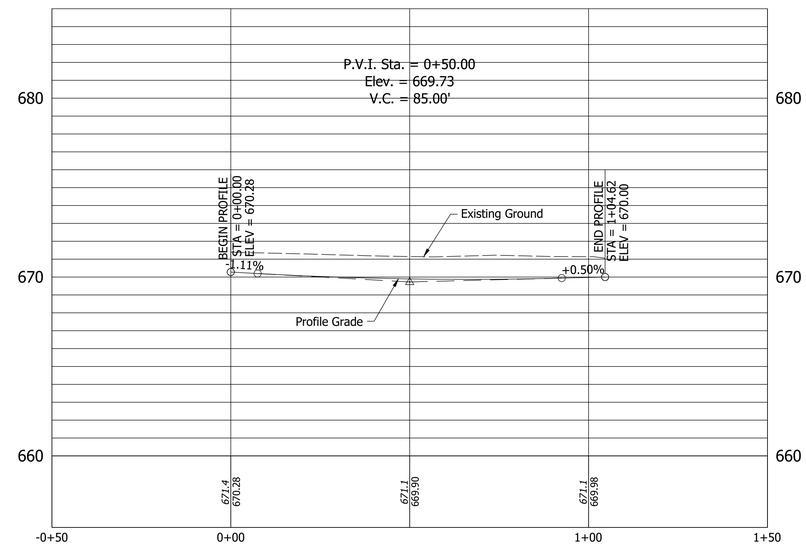
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/---- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1"=20' / BRIDGE FILE: N/A / VERTICAL SCALE: N/A / DESIGNATION: 1702835
DESIGNED: SMF	DRAWN: SMF	ROUNDABOUT GEOMETRICS LINE "M9", LINE "EP1", LINE "M1"	SURVEY BOOK / SHEET
CHECKED: JNH	CHECKED: JNH		ELECTRONIC / 36 of 78
			CONTRACT: R-41180 / PROJECT: 1702835

Date: Sep 14, 2020, 9:10pm User Name: SFisch
File: S:_2018\218-0026\Road\CAD\MiscDWG\1702835 Roundabout Geo_Align.dwg



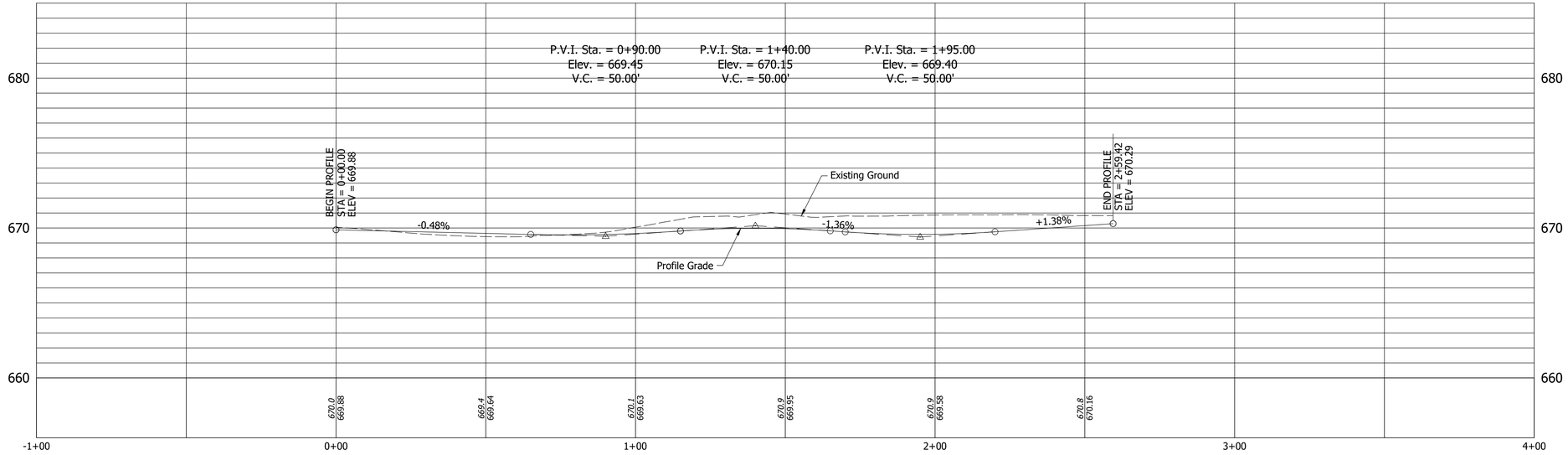
PROFILE - LINE "M9"

STA. 0+00.00 TO 0+73.69



PROFILE - LINE "M1"

STA. 0+00.00 TO 1+04.62

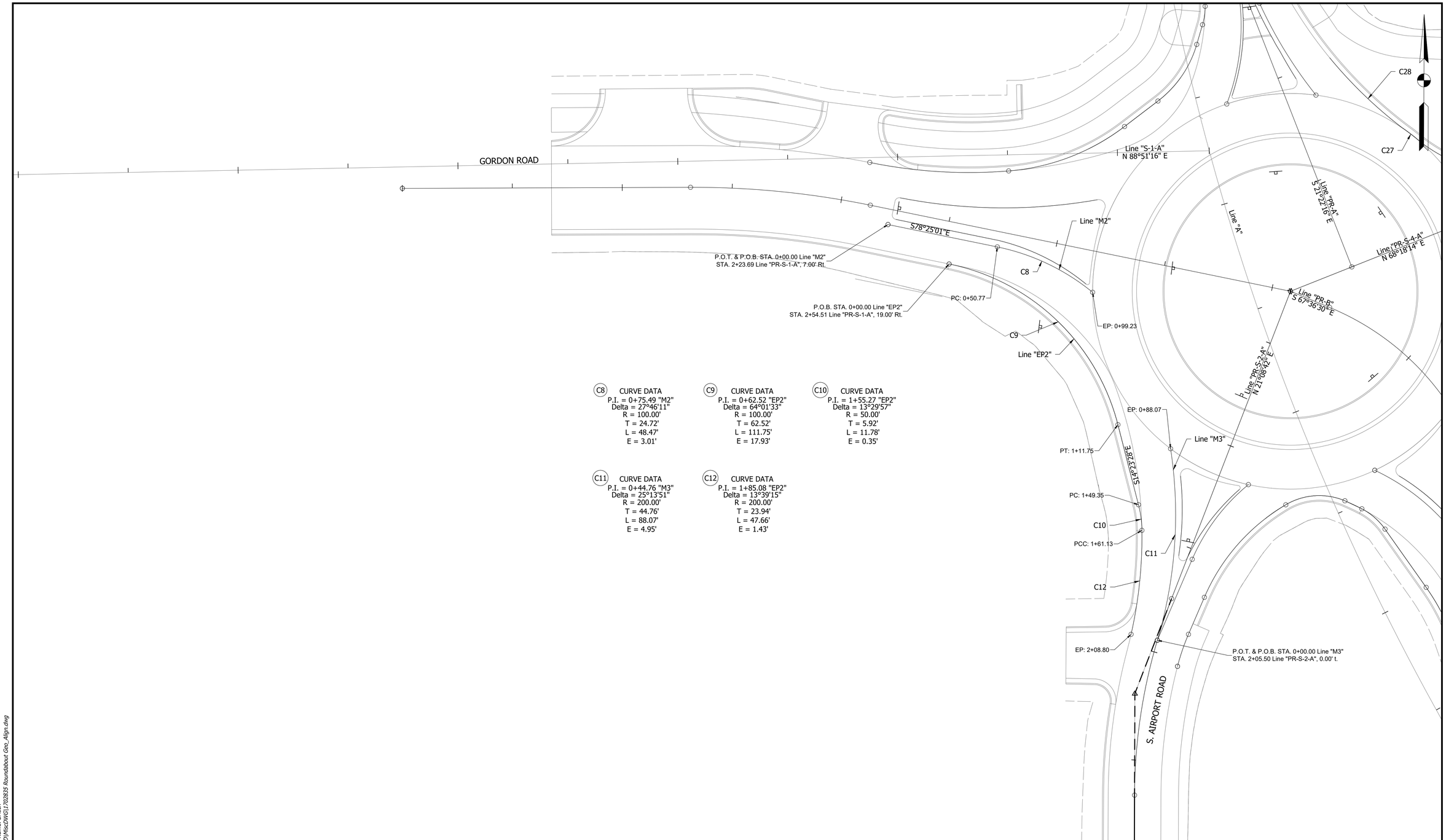


PROFILE - LINE "EP1"

STA. 0+00.00 TO 2+59.42

Date: Sep 14, 2020, 9:10pm User Name: SFisch
File: S:_2019\216-6029\Base\CAD\Misc\DWG\1702835 Roundabout Geo_Align Profiles.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1"=20' / BRIDGE FILE: N/A
			VERTICAL SCALE: 1"=5' / DESIGNATION: 1702835
DESIGNED: SMF	DRAWN: SMF	ROUNDABOUT GEOMETRICS LINE "M9", LINE "EP1", LINE "M1"	SURVEY BOOK: ELECTRONIC / SHEETS: 37 of 78
CHECKED: JNH	CHECKED: JNH		CONTRACT: R-41180 / PROJECT: 1702835



C8 CURVE DATA
P.I. = 0+75.49 "M2"
Delta = 27°46'11"
R = 100.00'
T = 24.72'
L = 48.47'
E = 3.01'

C9 CURVE DATA
P.I. = 0+62.52 "EP2"
Delta = 64°01'33"
R = 100.00'
T = 62.52'
L = 111.75'
E = 17.93'

C10 CURVE DATA
P.I. = 1+55.27 "EP2"
Delta = 13°29'57"
R = 50.00'
T = 5.92'
L = 11.78'
E = 0.35'

C11 CURVE DATA
P.I. = 0+44.76 "M3"
Delta = 25°13'51"
R = 200.00'
T = 44.76'
L = 88.07'
E = 4.95'

C12 CURVE DATA
P.I. = 1+85.08 "EP2"
Delta = 13°39'15"
R = 200.00'
T = 23.94'
L = 47.66'
E = 1.43'

RECOMMENDED FOR APPROVAL _____ --/--/---- DESIGN ENGINEER DATE

DESIGNED: SMF DRAWN: SMF

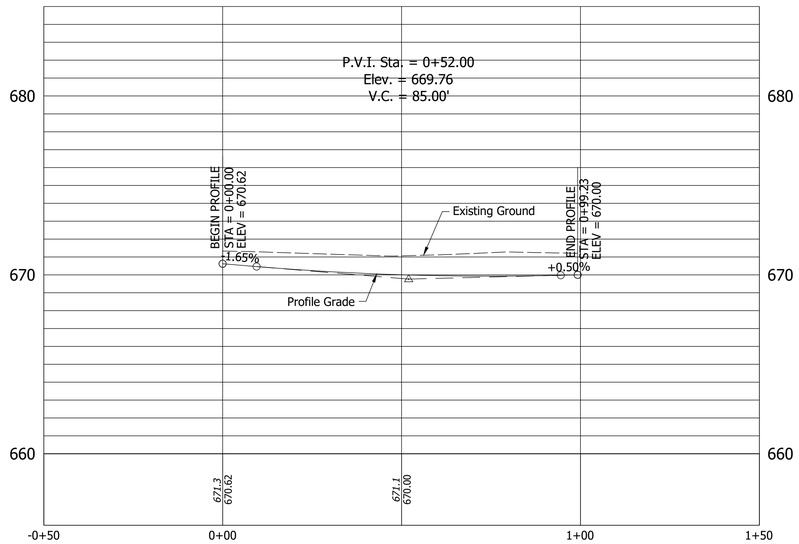
CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

ROUNDABOUT GEOMETRICS
LINE "M2", LINE "EP2", LINE "M3"

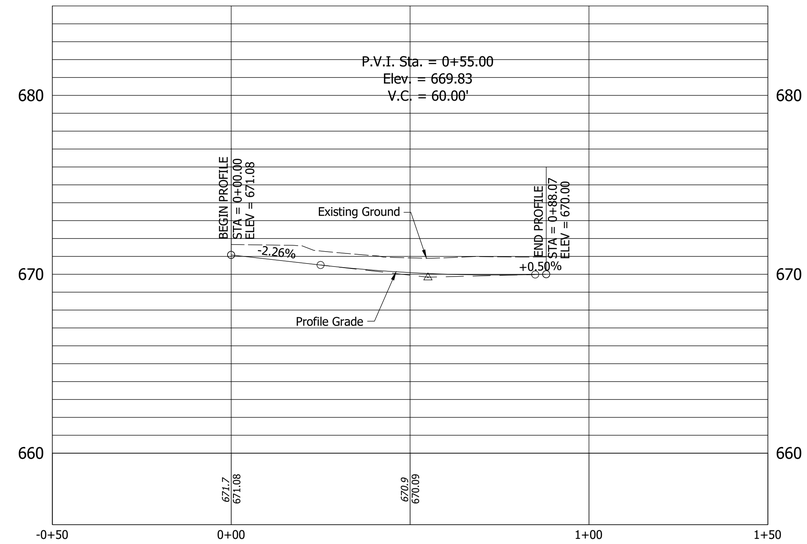
HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEET
ELECTRONIC	38 of 78
CONTRACT	PROJECT
R-41180	1702835

Date: Sep 14, 2020, 9:10pm User Name: SFisch
File: S:_2018\218-0026\Road\CAD\Misc\DWG\1702835 Roundabout Geo_Align.dwg



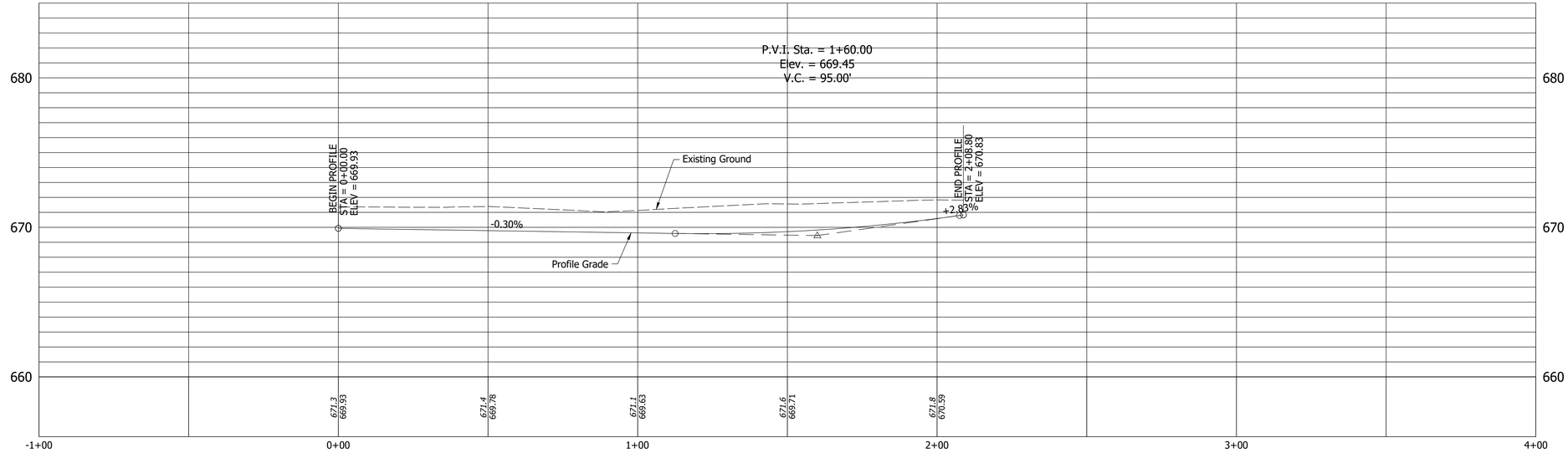
PROFILE - LINE "M2"

STA. 0+00.00 TO 0+99.23



PROFILE - LINE "M3"

STA. 0+00.00 TO 0+88.07

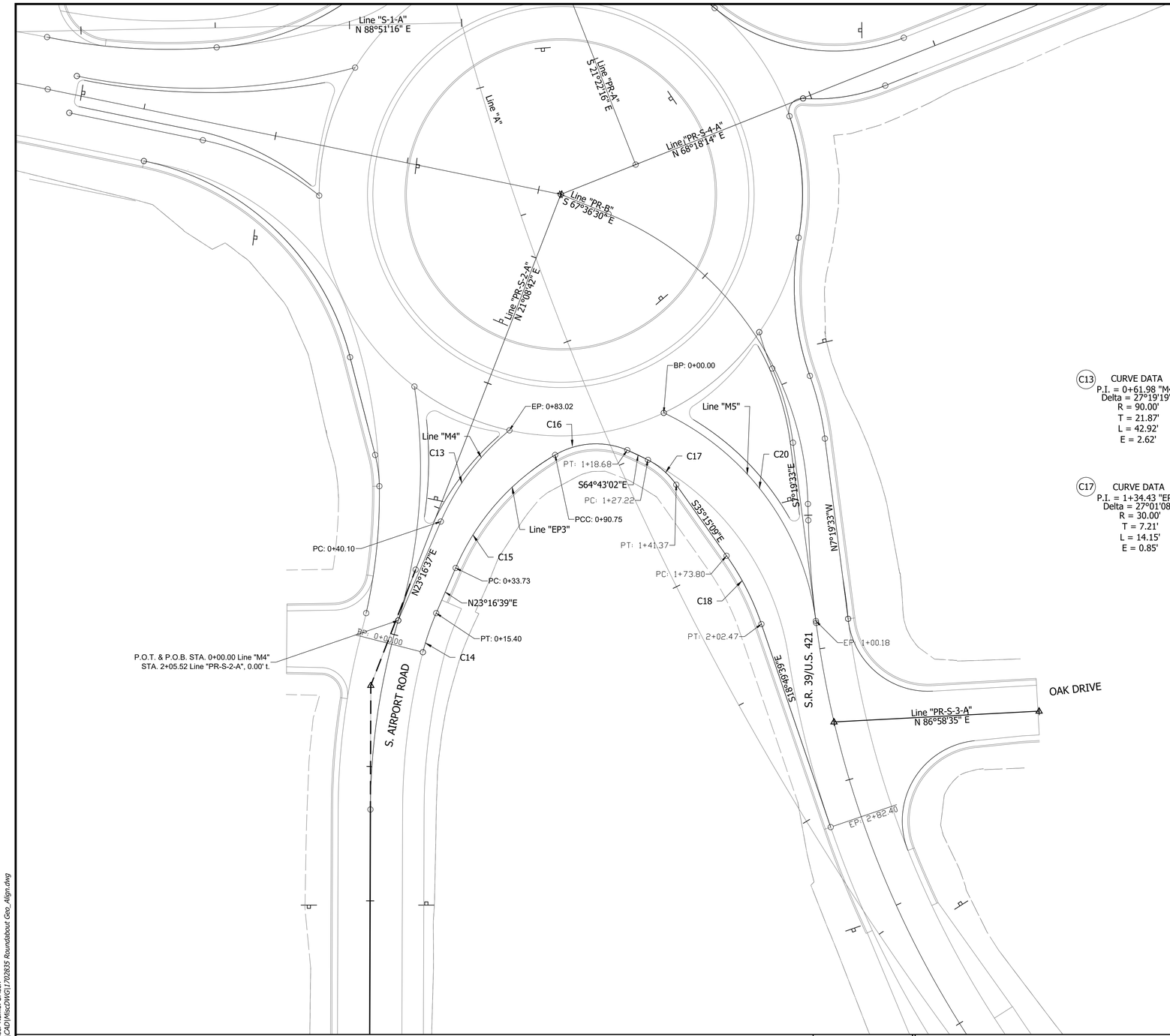


PROFILE - LINE "EP2"

STA. 0+00.00 TO 2+08.80

Date: Sep 14, 2020, 9:10pm User Name: SFisch
File: S:_2018\216-0028\Road\CAD\Misc\DWG\1702835 Roundabout Geo_Align Profiles.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1"=20' / BRIDGE FILE: N/A
			VERTICAL SCALE: 1"=5' / DESIGNATION: 1702835
DESIGNED: SMF	DRAWN: SMF	ROUNDABOUT GEOMETRICS LINE "M2", LINE "EP2", LINE "M3"	SURVEY BOOK: ELECTRONIC / SHEETS: 39 of 78
CHECKED: JNH	CHECKED: JNH		CONTRACT: R-41180 / PROJECT: 1702835



C13 CURVE DATA
P.I. = 0+61.98 "M4"
Delta = 27°19'19"
R = 90.00'
T = 21.87'
L = 42.92'
E = 2.62'

C14 CURVE DATA
P.I. = 0+07.72 "EP3"
Delta = 8°49'32"
R = 100.00'
T = 7.72'
L = 15.40'
E = 0.30'

C15 CURVE DATA
P.I. = 0+63.23 "EP3"
Delta = 36°17'46"
R = 90.00'
T = 29.50'
L = 57.01'
E = 4.71'

C16 CURVE DATA
P.I. = 1+05.82 "EP3"
Delta = 53°21'20"
R = 30.00'
T = 15.07'
L = 27.94'
E = 3.57'

C17 CURVE DATA
P.I. = 1+34.43 "EP3"
Delta = 27°01'08"
R = 30.00'
T = 7.21'
L = 14.15'
E = 0.85'

C18 CURVE DATA
P.I. = 1+88.23 "EP3"
Delta = 16°25'30"
R = 100.00'
T = 14.43'
L = 28.67'
E = 1.04'

C19 CURVE DATA
P.I. = 0+54.75 "M5"
Delta = 57°23'55"
R = 100.00'
T = 54.75'
L = 100.18'
E = 14.01'

RECOMMENDED FOR APPROVAL _____ --/--/---- DESIGN ENGINEER DATE

DESIGNED: SMF DRAWN: SMF

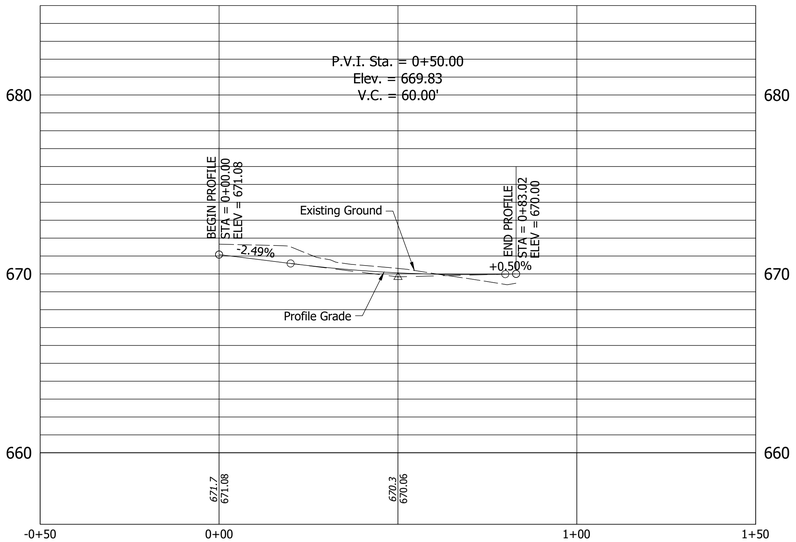
CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

ROUNDABOUT GEOMETRICS
LINE "M4", LINE "EP3", LINE "M5"

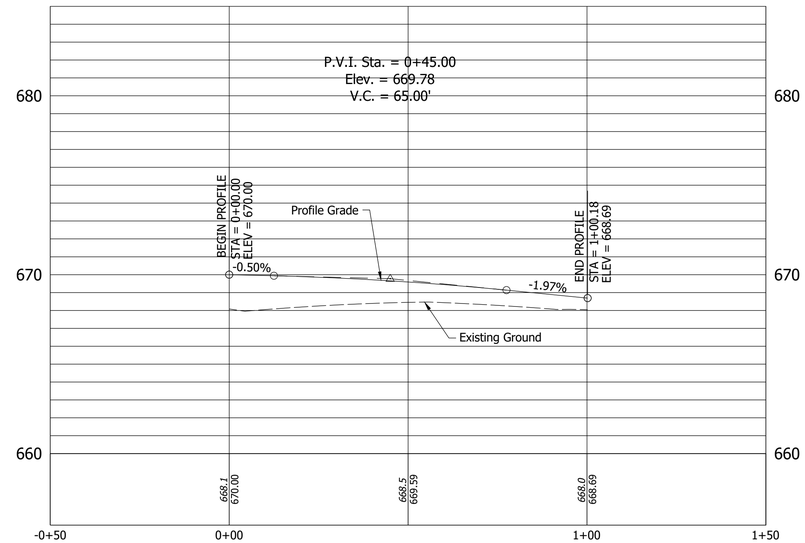
HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEET
ELECTRONIC	40 of 78
CONTRACT	PROJECT
R-41180	1702835

Date: Sep 14, 2020, 9:10pm User Name: SFisch
File: S:_2018\218-0026\Road\CAD\Misc\DWG\1702835 Roundabout Geo_Align.dwg



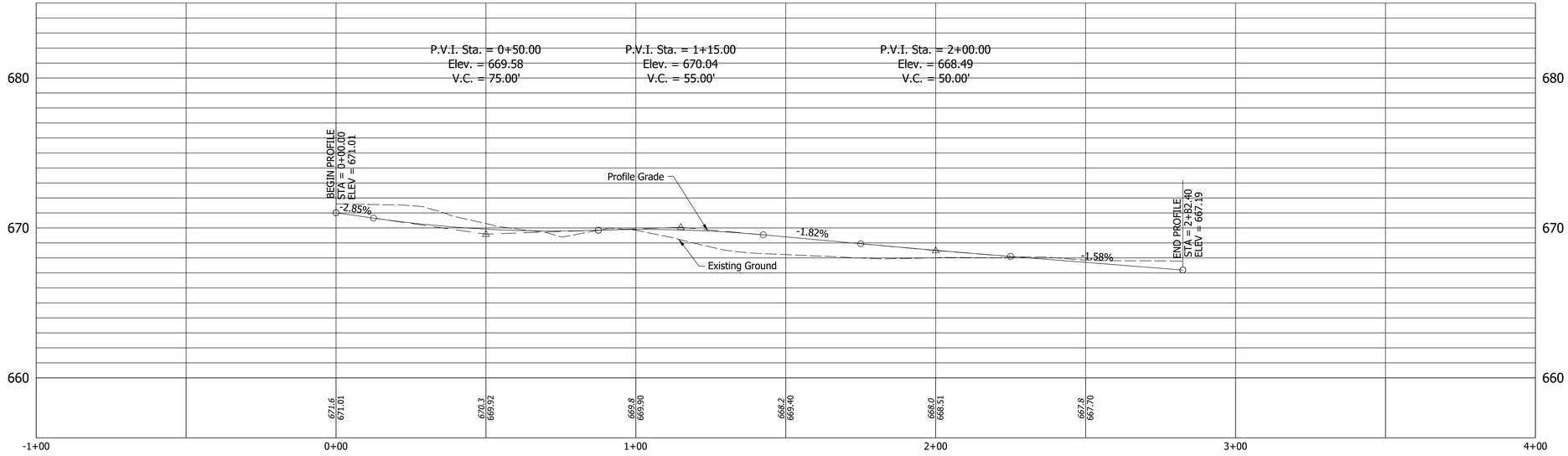
PROFILE - LINE "M4"

STA. 0+00.00 TO 0+83+02



PROFILE - LINE "M5"

STA. 0+00.00 TO 1+00.18

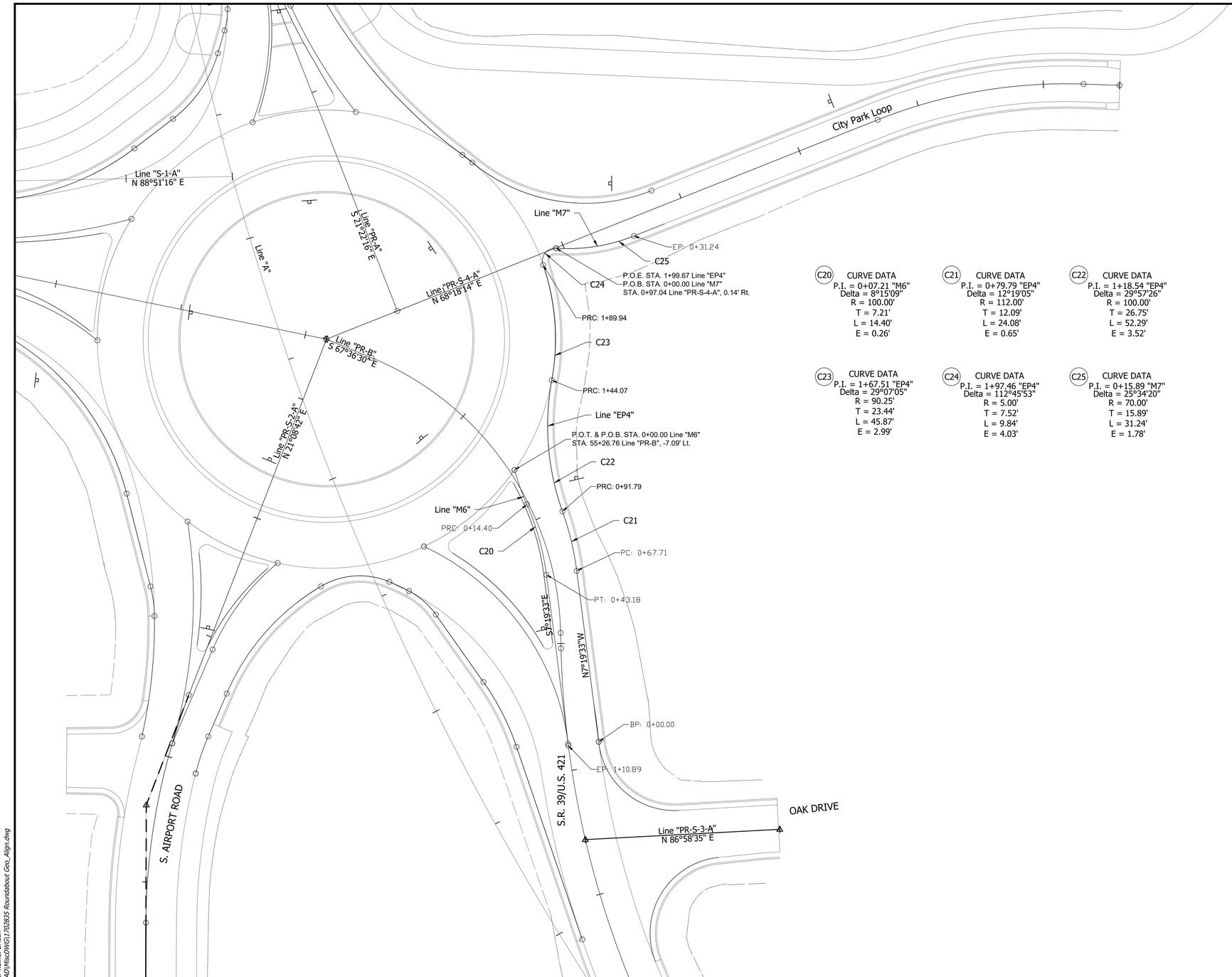


PROFILE - LINE "EP3"

STA. 0+00.00 TO 2+82.40

Date: Sep 14, 2020, 9:11pm User Name: SFisch
File: S:_2019\216-6029\Road\CAD\Misc\DWG\1702835 Roundabout Geo_Align Profiles.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1"=20' / BRIDGE FILE: N/A
			VERTICAL SCALE: 1"=5' / DESIGNATION: 1702835
DESIGNED: SMF	DRAWN: SMF	ROUNDABOUT GEOMETRICS LINE "M4", LINE "EP3", LINE "M5"	SURVEY BOOK: ELECTRONIC / SHEETS: 41 of 78
CHECKED: JNH	CHECKED: JNH		CONTRACT: R-41180 / PROJECT: 1702835



C20 CURVE DATA
P.I. = 0+07.21 "M6"
Delta = 8°15'09"
R = 100.00'
T = 7.21'
L = 14.40'
E = 0.26'

C21 CURVE DATA
P.I. = 0+79.79 "EP4"
Delta = 12°19'05"
R = 112.00'
T = 12.09'
L = 24.08'
E = 0.65'

C22 CURVE DATA
P.I. = 1+18.54 "EP4"
Delta = 29°57'26"
R = 100.00'
T = 26.75'
L = 52.29'
E = 3.52'

C23 CURVE DATA
P.I. = 1+67.51 "EP4"
Delta = 29°07'05"
R = 90.25'
T = 23.44'
L = 45.87'
E = 2.99'

C24 CURVE DATA
P.I. = 1+97.46 "EP4"
Delta = 112°45'53"
R = 5.00'
T = 7.52'
L = 9.84'
E = 4.03'

C25 CURVE DATA
P.I. = 0+15.89 "M7"
Delta = 25°34'20"
R = 70.00'
T = 15.89'
L = 31.24'
E = 1.78'

RECOMMENDED FOR APPROVAL _____ --/--/---- DESIGN ENGINEER DATE

DESIGNED: SMF DRAWN: SMF

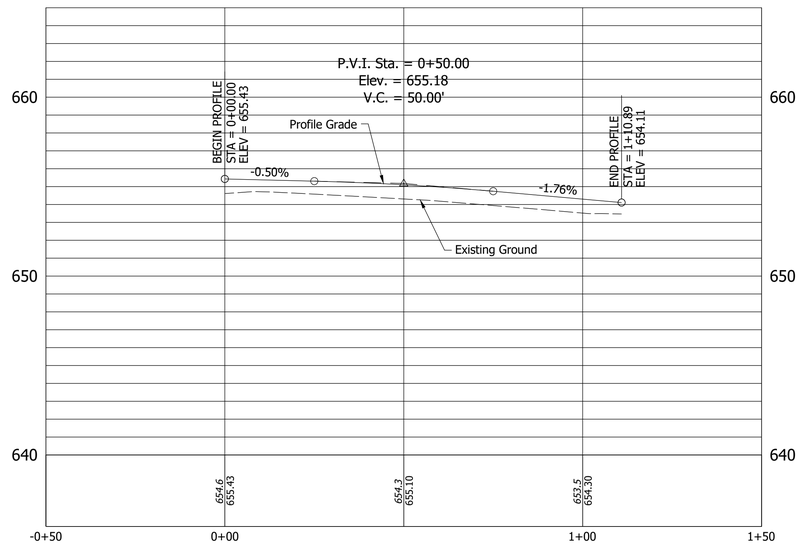
CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

ROUNDABOUT GEOMETRICS
LINE "M6", LINE "EP4", LINE "M7"

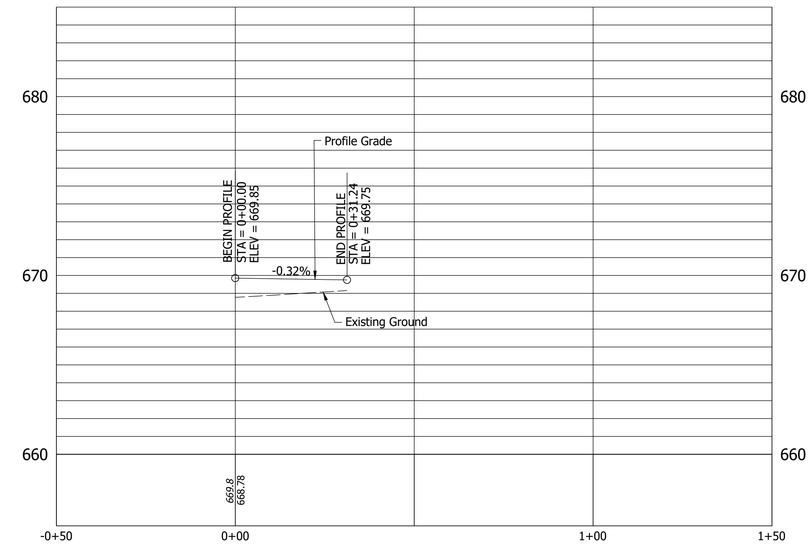
HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEET
ELECTRONIC	42 of 78
CONTRACT	PROJECT
R-41180	1702835

Date: Sep 14, 2020, 9:11pm User Name: SFisch
File: S:_2018\218-0026\Road\CAD\MiscDWG\1702835 Roundabout Geo_Align.dwg



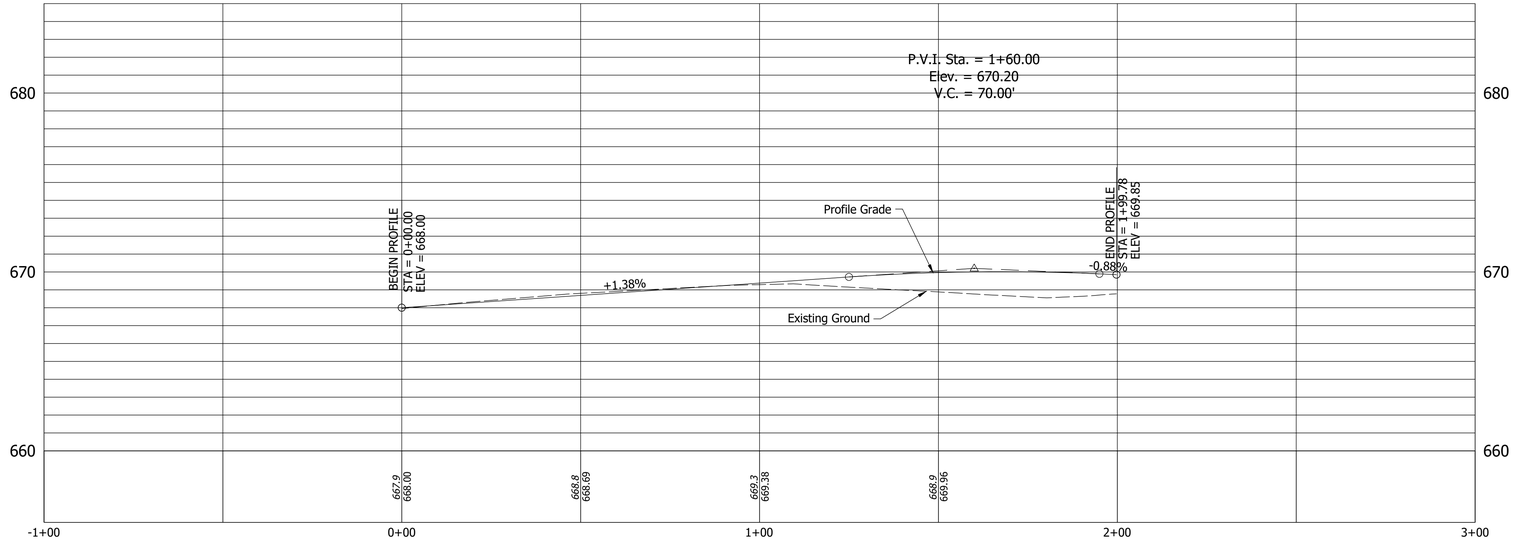
PROFILE - LINE "M6"

STA. 0+00.00 TO 1+10.89



PROFILE - LINE "M7"

STA. 0+00.00 TO 0+31.24

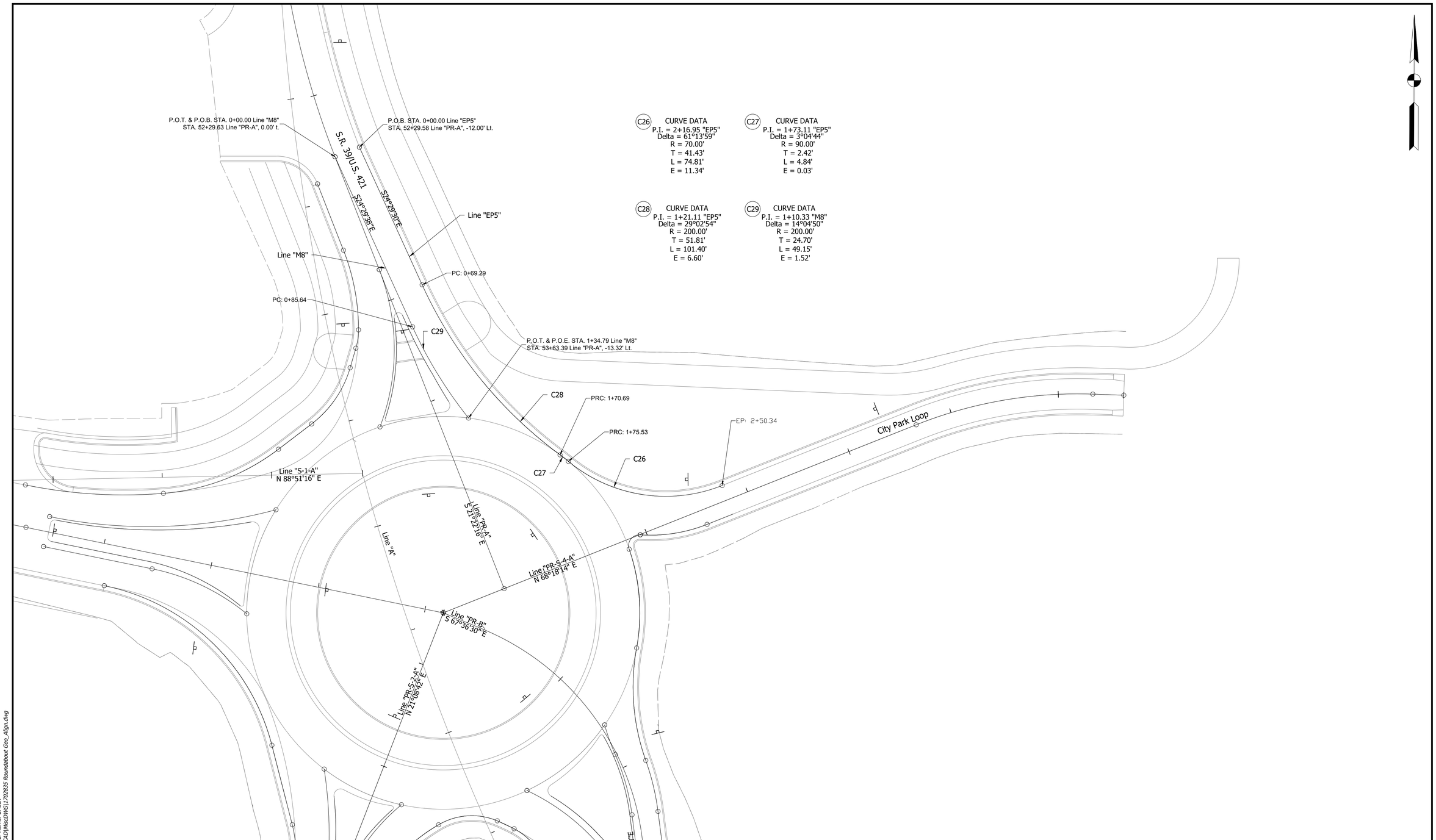


PROFILE - LINE "EP4"

STA. 0+00.00 TO 1+99.78

Date: Sep 14, 2020, 9:11pm User Name: SFisch
File: S:_2018\219-0028\Road\CAD\MscCIVIL\1702835 Roundabout Geo_Align Profiles.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	--/--/-- DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1"=20' / BRIDGE FILE: N/A / VERTICAL SCALE: 1"=5' / DESIGNATION: 1702835
DESIGNED: SMF	DRAWN: SMF	ROUNDABOUT GEOMETRICS LINE "M6", LINE "EP4", LINE "M7"	SURVEY BOOK: ELECTRONIC / SHEETS: 43 of 78
CHECKED: JNH	CHECKED: JNH		CONTRACT: R-41180 / PROJECT: 1702835



C26 CURVE DATA
P.I. = 2+16.95 "EP5"
Delta = 61°13'59"
R = 70.00'
T = 41.43'
L = 74.81'
E = 11.34'

C27 CURVE DATA
P.I. = 1+73.11 "EP5"
Delta = 3°04'44"
R = 90.00'
T = 2.42'
L = 4.84'
E = 0.03'

C28 CURVE DATA
P.I. = 1+21.11 "EP5"
Delta = 29°02'54"
R = 200.00'
T = 51.81'
L = 101.40'
E = 6.60'

C29 CURVE DATA
P.I. = 1+10.33 "M8"
Delta = 14°04'50"
R = 200.00'
T = 24.70'
L = 49.15'
E = 1.52'

RECOMMENDED FOR APPROVAL _____ --/--/----
DESIGN ENGINEER DATE

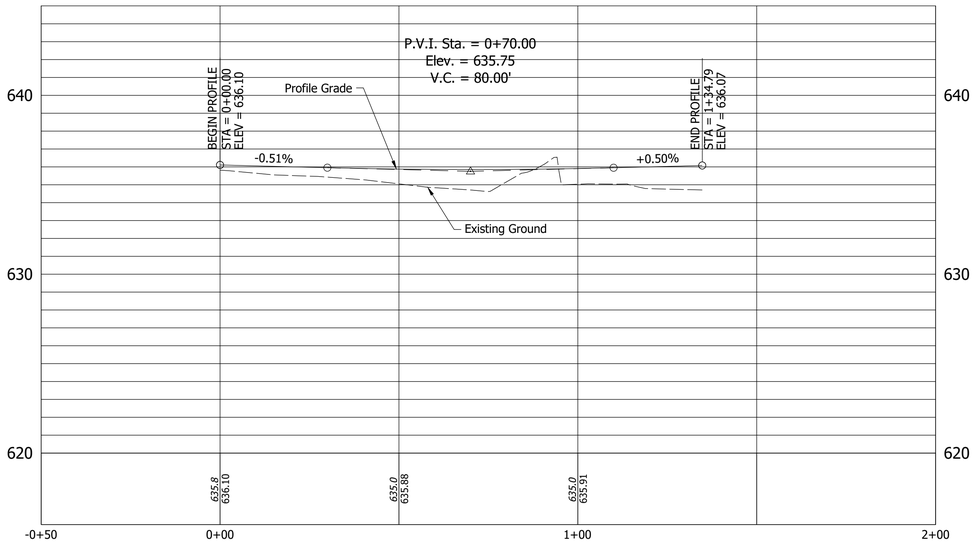
DESIGNED: SMF DRAWN: SMF
CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

ROUNDABOUT GEOMETRICS
LINE "EP5", LINE "M8"

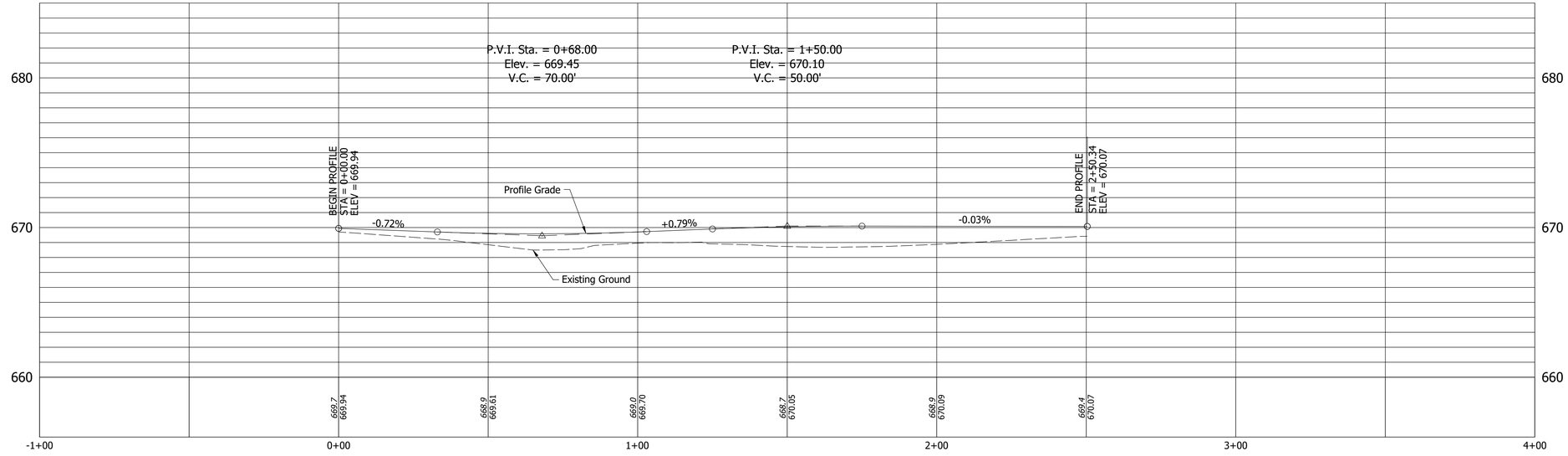
HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEET
ELECTRONIC	44 of 78
CONTRACT	PROJECT
R-41180	1702835

Date: Sep 14, 2020, 9:11pm User Name: SFisch
File: S:_2018\218-0026\Road\CAD\Misc\DWG\1702835 Roundabout Geo_Align.dwg



PROFILE - LINE "M8"

STA. 0+00.00 TO 1+34.79



PROFILE - LINE "EP5"

STA. 0+00.00 TO 2+50.34

Date: Sep 14, 2020, 9:12am User Name: SFisch
File: S:_2018\1216-0026\Road\CAD\Wsec\W01\1702835 Roundabout Geo_Align Profiles.dwg

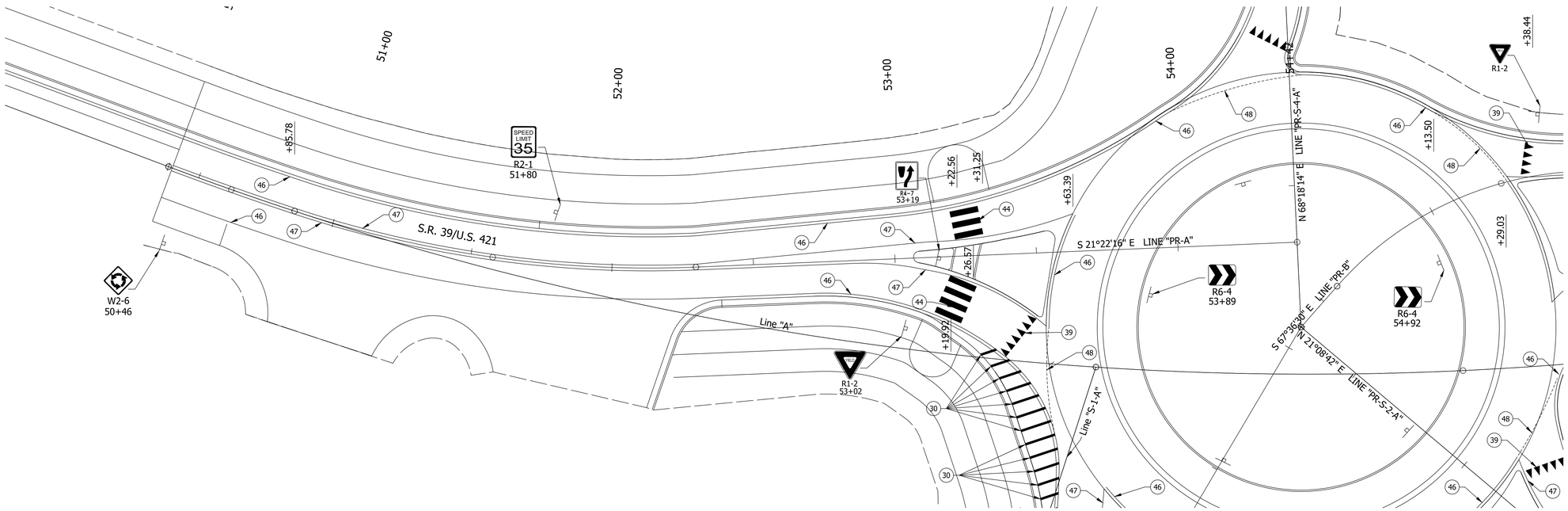
RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

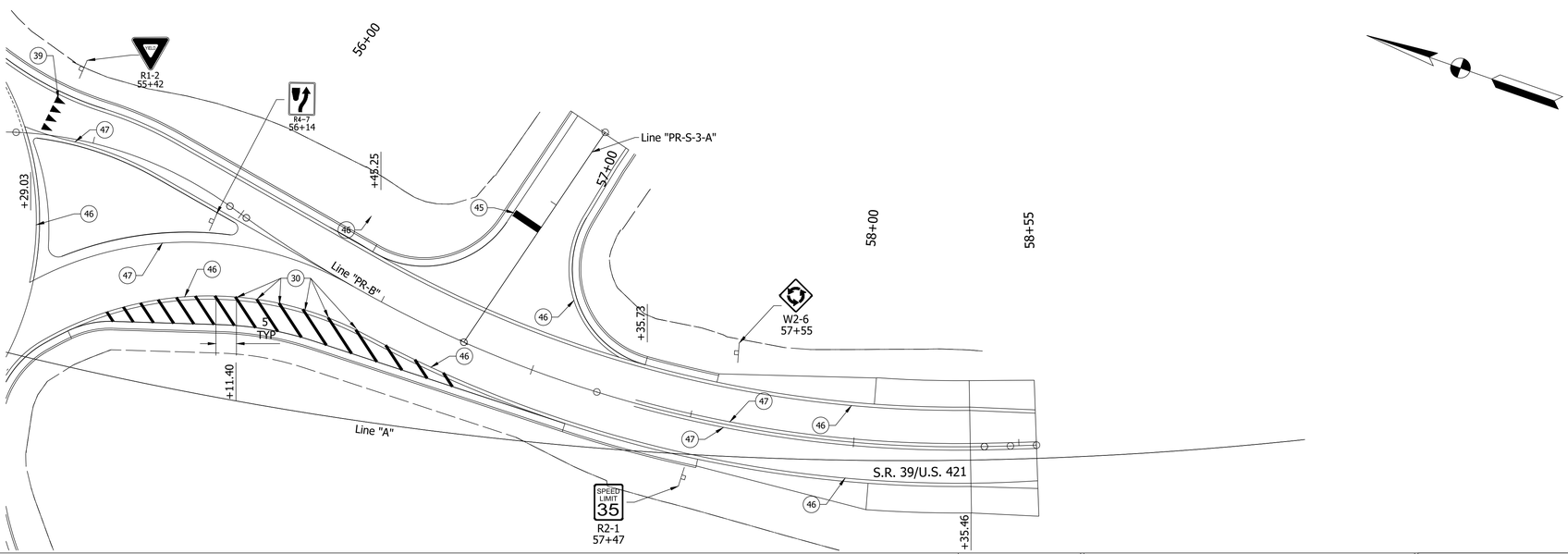
DESIGNED: SMF DRAWN: SMF
CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

ROUNDABOUT GEOMETRICS
LINE "EP5", LINE "M8"

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
1"=5'	1702835
SURVEY BOOK	SHEETS
ELECTRONIC	45 of 78
CONTRACT	PROJECT
R-41180	1702835





(30) Thermoplastic, Solid, Line, White, 8 IN.	(44) Thermoplastic, Crosswalk Line, White, 24 IN.	(48) Thermoplastic, Dotted, Line, White, 4 IN.
(37) Thermoplastic, Pavement Message Marking, (ONLY)	(45) Thermoplastic, Stop Line, White, 24 IN.	(49) Thermoplastic, Dotted, Line, Yellow, 4 IN.
(38) Thermoplastic, Pavement Message Marking, Lane Indication Arrow	(46) Thermoplastic, Solid, Line, White, 4 IN.	
(39) Thermoplastic, Pavement Message Marking, Lane Yield Marking (Shark Teeth)	(47) Thermoplastic, Solid, Line, Yellow, 4 IN.	

RECOMMENDED FOR APPROVAL _____ --/--/---- DESIGN ENGINEER DATE

DESIGNED: SMF DRAWN: KMA

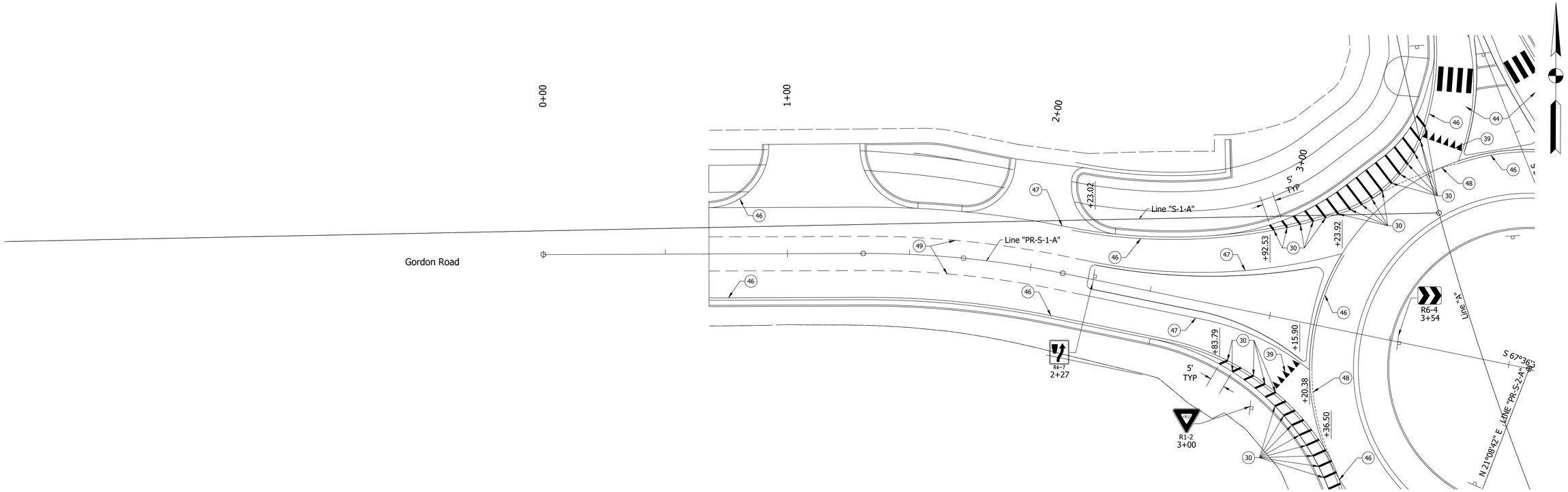
CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS AND SIGNS
LINE "PR-A" & LINE "PR-B"

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEET
ELECTRONIC	46 of 78
CONTRACT	PROJECT
R-41180	1702835

Date: Sep 14, 2020, 9:53pm User Name: SFisch
File: S:_2018\2218-0026\Road\CAD\MiscDWG\1702835 Pavement Markings - Signs.dwg



30 Thermoplastic, Solid, Line, White, 8 IN.	44 Thermoplastic, Crosswalk Line, White, 24 IN.	48 Thermoplastic, Dotted, Line, White, 4 IN.
37 Thermoplastic, Pavement Message Marking, (ONLY)	45 Thermoplastic, Stop Line, White, 24 IN.	49 Thermoplastic, Dotted, Line, Yellow, 4 IN.
38 Thermoplastic, Pavement Message Marking, Lane Indication Arrow	46 Thermoplastic, Solid, Line, White, 4 IN.	
39 Thermoplastic, Pavement Message Marking, Lane Yield Marking (Shark Teeth)	47 Thermoplastic, Solid, Line, Yellow, 4 IN.	

RECOMMENDED FOR APPROVAL _____ --/--/---- DESIGN ENGINEER DATE

DESIGNED: SMF DRAWN: KMA

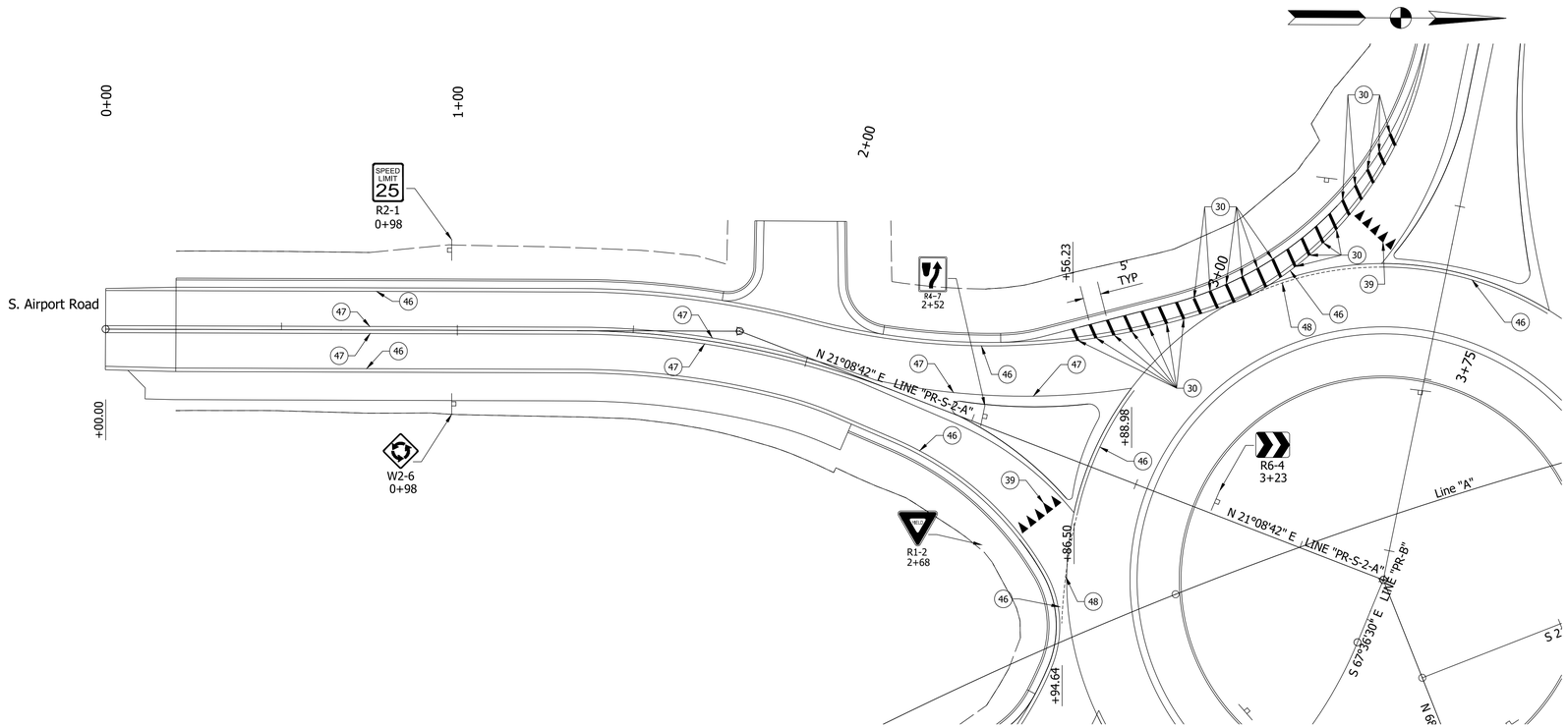
CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS AND SIGNS
LINE "PR-S-1-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEET
ELECTRONIC	47 of 78
CONTRACT	PROJECT
R-41180	1702835

Date: Sep 14, 2020, 9:53pm User Name: SFisch
File: S:_2018\218-0026\Road\CAD\MiscDWG\1702835 Pavement Markings - Signs.dwg



30 Thermoplastic, Solid, Line, White, 8 IN.	44 Thermoplastic, Crosswalk Line, White, 24 IN.	48 Thermoplastic, Dotted, Line, White, 4 IN.
37 Thermoplastic, Pavement Message Marking, (ONLY)	45 Thermoplastic, Stop Line, White, 24 IN.	49 Thermoplastic, Dotted, Line, Yellow, 4 IN.
38 Thermoplastic, Pavement Message Marking, Lane Indication Arrow	46 Thermoplastic, Solid, Line, White, 4 IN.	
39 Thermoplastic, Pavement Message Marking, Lane Yield Marking (Shark Teeth)	47 Thermoplastic, Solid, Line, Yellow, 4 IN.	

RECOMMENDED FOR APPROVAL _____ --/--/---- DESIGN ENGINEER DATE

DESIGNED: SMF DRAWN: KMA

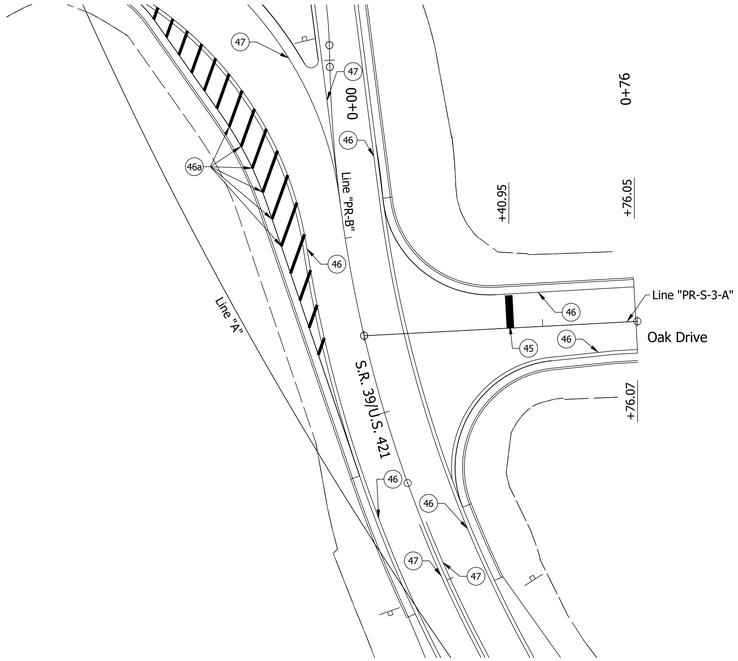
CHECKED: JNH CHECKED: JNH

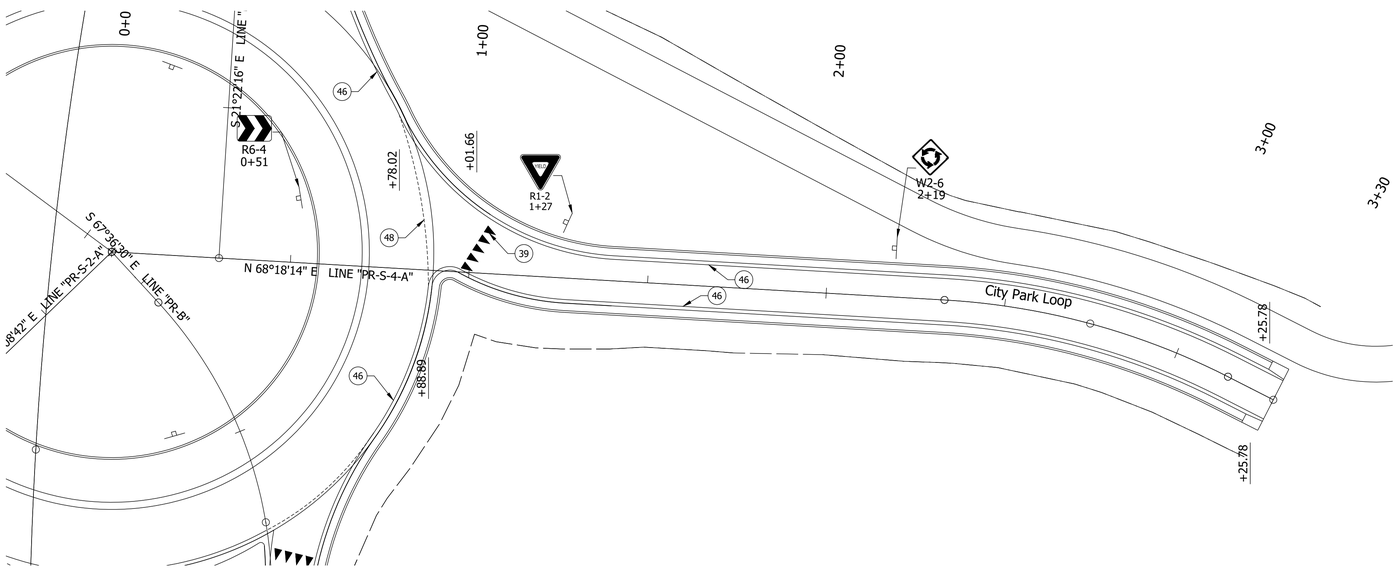
INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS AND SIGNS
LINE "PR-S-2-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEET
ELECTRONIC	48 of 78
CONTRACT	PROJECT
R-41180	1702835

Date: Sep 14, 2020, 9:54pm User Name: SFisch
File: S:_2018\218-0026\Road\CAD\MiscDWG\1702835 Pavement Markings - Signs.dwg





(30) Thermoplastic, Solid, Line, White, 8 IN.	(44) Thermoplastic, Crosswalk Line, White, 24 IN.	(48) Thermoplastic, Dotted, Line, White, 4 IN.
(37) Thermoplastic, Pavement Message Marking, (ONLY)	(45) Thermoplastic, Stop Line, White, 24 IN.	(49) Thermoplastic, Dotted, Line, Yellow, 4 IN.
(38) Thermoplastic, Pavement Message Marking, Lane Indication Arrow	(46) Thermoplastic, Solid, Line, White, 4 IN.	
(39) Thermoplastic, Pavement Message Marking, Lane Yield Marking (Shark Teeth)	(47) Thermoplastic, Solid, Line, Yellow, 4 IN.	

RECOMMENDED FOR APPROVAL _____ --/--/---- DESIGN ENGINEER DATE

DESIGNED: SMF DRAWN: KMA

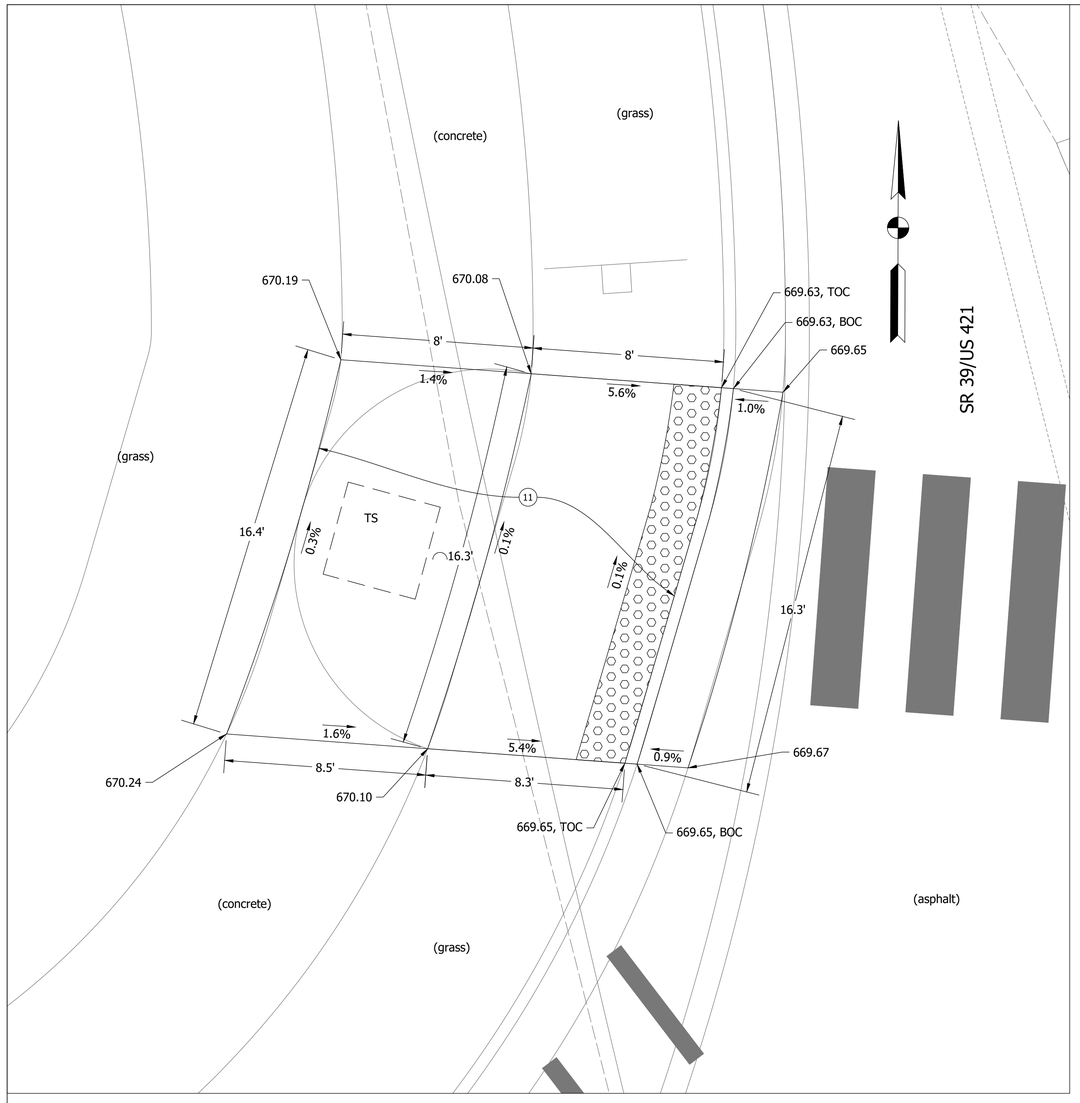
CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

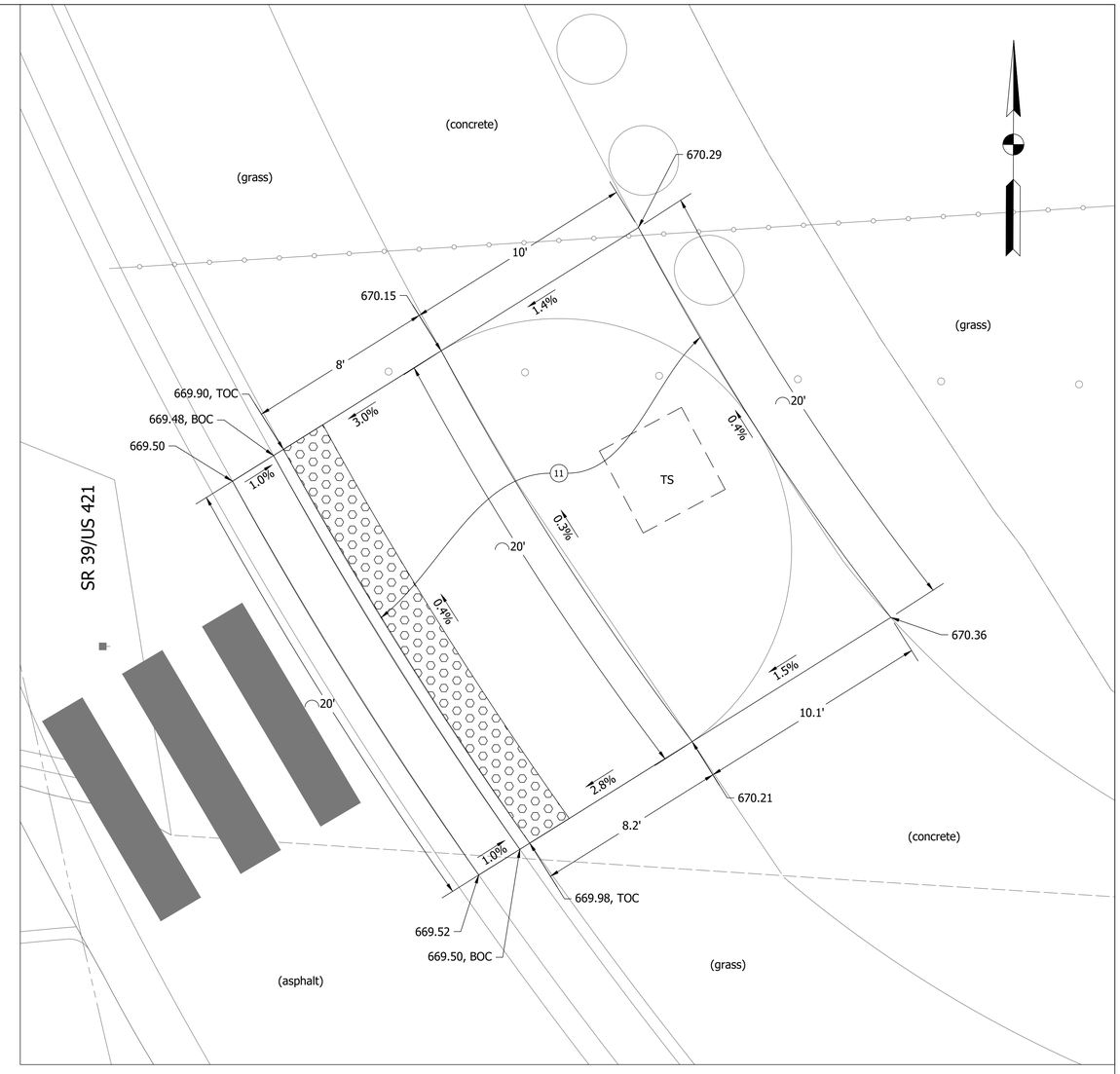
PAVEMENT MARKINGS AND SIGNS
LINE "PR-S-3-A" & LINE "PR-S-4-A"

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEET
ELECTRONIC	49 of 78
CONTRACT	PROJECT
R-41180	1702835

Date: Sep 14, 2020, 9:54pm User Name: SFisch
File: S:_2018\218-0026\Road\CAD\MiscDWG\1702835 Pavement Markings - Signs.dwg



SR 39/US 421 - NW CORNER
PERPENDICULAR CURB RAMP

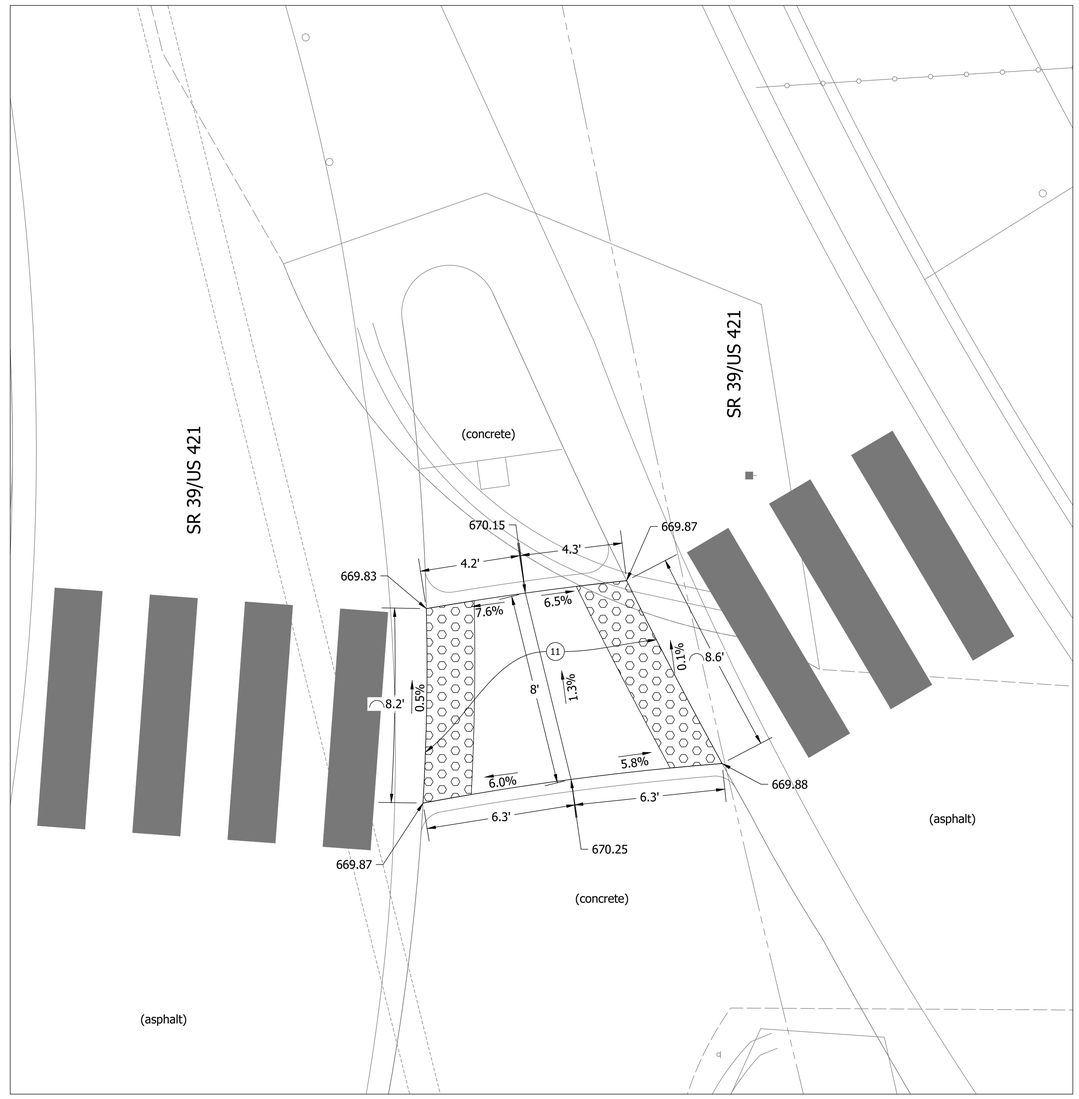


SR 39/US 421 - NE CORNER
PERPENDICULAR CURB RAMP

Detectable Warning Surfaces
(11) Curb Ramp, Concrete
TOC Top of Curb
BOC Bottom of Curb

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	7/28/2020 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1"=3' / VERTICAL SCALE: N/A / BRIDGE FILE: N/A / DESIGNATION: 1600633
DESIGNED: AJK	DRAWN: SMF	CURB RAMP DETAIL	SURVEY BOOK: ELECTRONIC / SHEETS: 50 of 78
CHECKED: JNH	CHECKED: JNH		CONTRACT: R-39679 / PROJECT: 1702835

Date: Sep 14, 2020, 9:54pm User Name: SFisch
File: S:_2018\210-0826\Road\CAD\Misc\W01\1702835 Curb Ramps.dwg



SR 39/US 421 - MEDIAN
PERPENDICULAR CURB RAMPS

Date: Sep 14, 2020, 9:54pm User Name: SFisch
File: S:_2018\219-0026\Road\CAD\Misc\IN01\1702835 Curb Ramps.dwg

Detectable Warning Surfaces
(11) Curb Ramp, Concrete
TOC Top of Curb
BOC Bottom of Curb

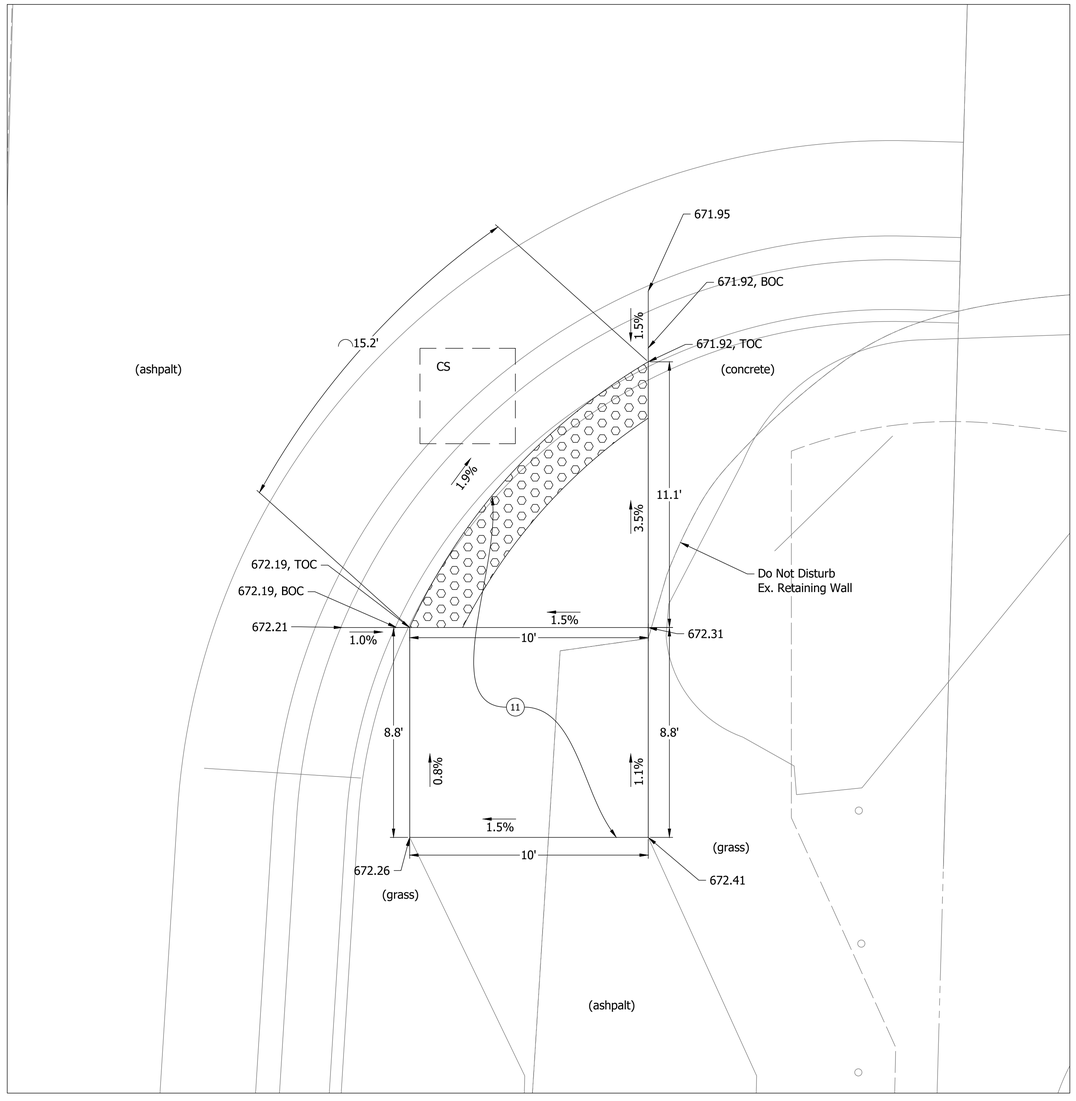
RECOMMENDED FOR APPROVAL _____ 7/28/2020
DESIGN ENGINEER DATE

DESIGNED: AJK DRAWN: SMF
CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAIL

HORIZONTAL SCALE	BRIDGE FILE
1"=3	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEETS
ELECTRONIC	51 of 78
CONTRACT	PROJECT
R-41180	1702835



SR 39/US 421 AND CITY PARK LOOP -
PERPENDICULAR ONE-WAY DIRECTIONAL CURB RAMPS

Date: Sep 14, 2020, 9:54pm User Name: SFisch
File: S:_2018\1216-0026\Road\CAD\Misc\W61\1702835 Curb Ramps.dwg

Detectable Warning Surfaces
(11) Curb Ramp, Concrete
TOC Top of Curb
BOC Bottom of Curb

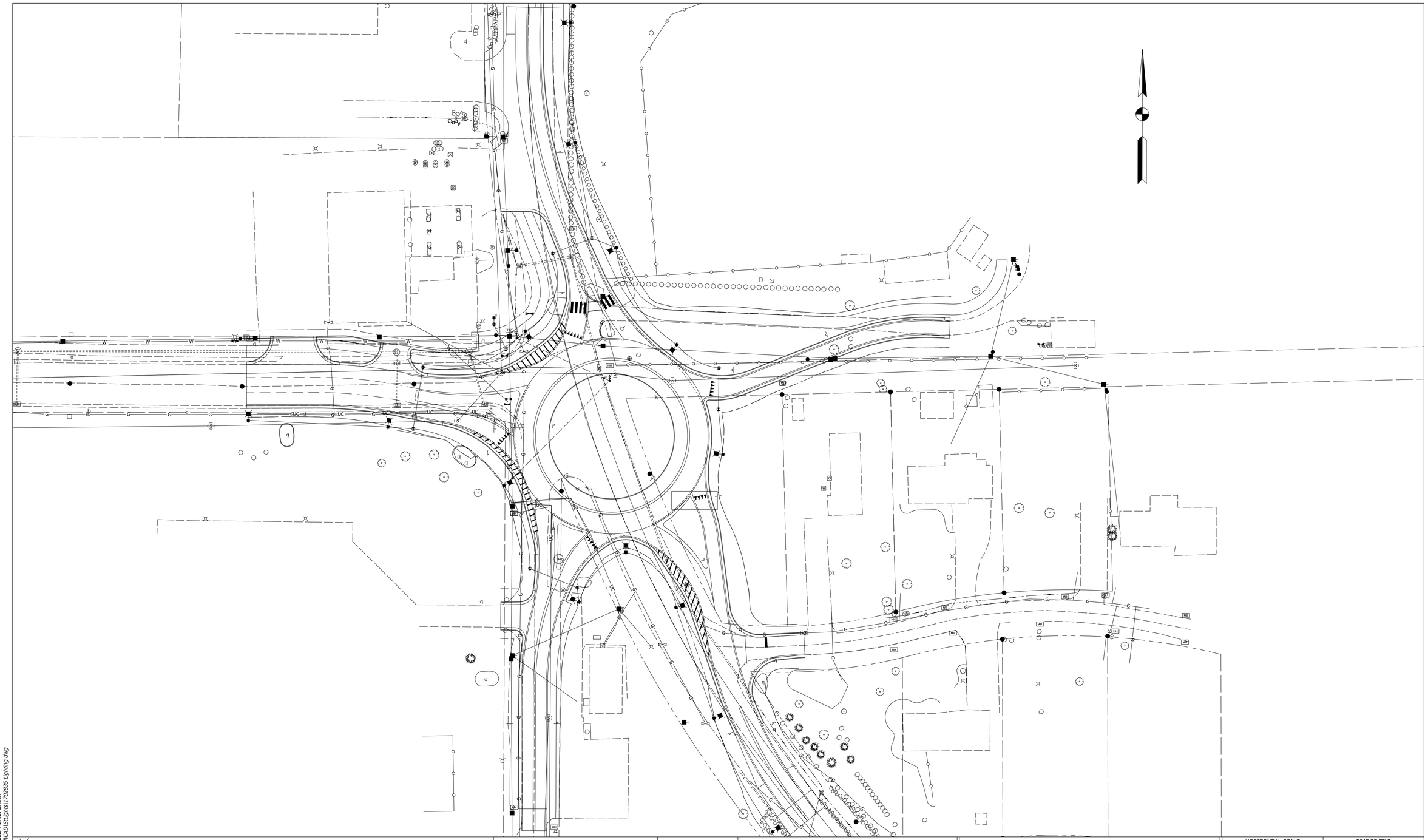
RECOMMENDED FOR APPROVAL _____ 7/28/2020
DESIGN ENGINEER DATE

DESIGNED: AJK DRAWN: SB
CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAIL

HORIZONTAL SCALE	BRIDGE FILE
1"=3'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1600633
SURVEY BOOK	SHEETS
ELECTRONIC	52 of 78
CONTRACT	PROJECT
R-39679	1702835



Existing Luminaire To Be Removed
Light Standard and Foundation
High Lumen Roadway Luminaire
40' Height - 15' Mast Arm on Anchor Base
Light Standard and Foundation
High Lumen Roadway Luminaire
40' Height - 15' Mast Arm on Breakaway Base
Luminaire, Underpass

High Mast Tower - 140' EMH
w/ 6 High Mast Asymmetric Directional Luminaires
High Mast Tower - 140' EMH
w/ 6 High Mast Asymmetric Luminaires
High Mast Tower - 160' EMH
w/ 8 High Mast Symmetric Luminaires

Existing Right of Way
Service Point, Type II
Lighting Handhole
Cable Duct Marker
Lighting Controller
Conduit
E-2 Circuit Labels

LUMINAIRE IDENTIFICATION

82 - 69 - 41 - 01

- 01: LUMINAIRE NO.
- 41: CROSS ROAD NO. (US 41)
- 69: MAINLINE (I-69)
- 82: COUNTY NO.

RECOMMENDED FOR APPROVAL _____ --/--/---- DESIGN ENGINEER DATE

DESIGNED: KMS | DRAWN: KMS
CHECKED: TWK | CHECKED: TWK

INDIANA
DEPARTMENT OF TRANSPORTATION

LIGHTING LAYOUT

HORIZONTAL SCALE	BRIDGE FILE
1"=40'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEETS
	53 of 98
CONTRACT	PROJECT
R-41180	1702835

Date: Sep 14, 2020, 9:13pm User Name: SFisch
File: S:_2018\218-0026\Road\CAD\StLights\1702835 Lighting.dwg

PAVEMENT QUANTITIES AND APPROACH TABLE

LOCATION	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	RADII	DISTANCE BEYOND R/W LINE	SURFACE BEYOND R/W LINE: COMPACTED AGGREGATE BASE	SURFACE BEYOND R/W LINE: HMA	SURFACE BEYOND R/W LINE: CONCRETE	GRADE 1	GRADE 2	GRADE 3	GRADE 4	EXCAVATION: CUT	EXCAVATION: FILL	CLEAR ZONE AT DRIVE	PCCP FOR APPROACHES				HMA MATERIALS (LBS. PER SYD.): SURFACE 9.5 mm		HMA MATERIALS (LBS. PER SYD.): INTERMD. 19.0 mm		HMA MATERIALS (LBS. PER SYD.): BASE 25.0 mm	HMA BASE 25 mm	SEAL COAT TYPE 2	SEAL COAT TYPE 5	HMA MATERIAL FOR: PRIME COAT	HMA MATERIAL FOR: TACK COAT	COMPACTED AGGREGATE FOR BASE NO. 53 (DEPTH):				COMPACTED AGGREGATE FOR SURFACE NO. 73 (DEPTH):					REMARKS
		FT	FT	FT	FT	SYS	SYS	SYS	%	%	%	%	CYS	CYS	FT	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	TONS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS				
Line "S-1-A"																																								
34+85.13	Class III Drive															163.3																								
35+82.96	Class III Drive															66.7																								
Line "A"																																								
51+04.34	Class III Drive															191.1																								
51+94.70	Class III Drive															204.4																								
Line "S-2-A"																																								
1+90.00	Class III Drive															46.7																								
0+85.28	Class III Drive															47.2																								
															Total	**720**																								

RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

DESIGNED: KMA DRAWN: KMA
CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

APPROACH TABLE

HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEETS
ELECTRONIC	54 of 78
CONTRACT	PROJECT
R-41180	1702835

Date: Sep 14, 2020, 9:13pm User Name: SFisch
File: S:_2018\1218\0026\Road\CAD\Misc\DWG\1702835 Misc Tables.dwg

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION: STATION (FT)	LOCATION: LEFT	LOCATION: RIGHT	LOCATION: CROSS	LOCATION: OFFSET (FT)	SIZE (IN.)	DESCRIPTION: PIPE TYPE	DESCRIPTION: MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE AND TYPE	LENGTH (LFT)	VIDEO INSPECTION LENGTH (LFT)	SKEW	COVER MIN (FT)	COVER MAX (FT)	FLOW LINE UP STREAM (ELEV.)	FLOW LINE DOWN STREAM (ELEV.)	SUMP DEPTH (IN.)	TOP OF CASTING (ELEV.)	SERVICE LIFE (YRS)	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURE BACKFILL TYPE ?? (CYS)	STRUCTURE BACKFILL TYPE ?? (CYS)	FLOWABLE BACKFILL TYPE ?? (CYS)	FLOWABLE BACKFILL TYPE ?? (CYS)	UNDERCUT: EXCAVATION (CYS.)	UNDERCUT: COMPACTED AGGREGATE #5 ? IN. (TONS)	UNDERCUT: COMPACTED AGGREGATE #53 ? IN. (TONS)	UNDERCUT: GEOTEXTILES for ????? TYPE?? (??) (TONS)	GEOTEXTILES for RIPRAP TYPE?? (??) (SYS)	REVETMENT RIPRAP (TON)	SCOUR PROTECTION: GEOTEXTILES for RIPRAP TYPE?? (??) (SYS.)	SCOUR PROTECTION: REVETMENT RIPRAP (TONS)	SCOUR PROTECTION: CLASS ? RIPRAP (TONS)	CONCRETE, CLASS A, FOR STR. (CYS)	PIPE, REMOVE (LFT)	VIDEO INSPECTION (LFT)	PIPE END SECTION (EA.)	GRATED BOX END SECTION: TYPE	GRATED BOX END SECTION: SLOPE	GRATED BOX END SECTION: EA.	SAFETY METAL END SECTION: TYPE	SAFETY METAL END SECTION: SLOPE	SAFETY METAL END SECTION: EA.	CONNECT TO STR.	CULVERT ASSET ID	REMARKS
	PR S-1-A																																																		
101	1+51	X			20.2	12	2	Inlet Type J-10	37																																										
102	1+48		X		20.1	15	2	Inlet Type M-10	74																																										
103	2+29		X		20.1	15	2	Inlet Type M-10	35																																										
104	2+29	X			21.1	12	2	Inlet Type J-10	34																																										
105	2+68		X		21.1	18	2	Inlet Type M-10	21																																										
106	2+66	X			27.4	15	2	Inlet Type M-10	22																																										
107	2+92		X		27.5	18	2	Inlet Type C-15	36																																										
108	2+90	X			36.2	18	2	Inlet Type C-15	40																																										
109	3+14		X		40.5	12	2	Inlet Type J-10	22																																										
110	3+05	X			45.7	12	2	Inlet Type J-10	14																																										
111	3+18	X			2.8	24	2	Modified Manhole Type J-15	129																																										
	PR S-2-A																																																		
203	1+73	X			13.1	12	2	Inlet Type J-10	62																																										
204	2+35	X			19.6	18	2	Modified Manhole Type J-10	55																																										
205	2+66	X			35.3	12	2	Inlet Type C-15	32																																										
206	2+86	X			49.5	12	2	Inlet Type J-10	21																																										
207	2+71		X		25.7	18	2	Modified Manhole Type J-15	10																																										
208	2+82		X		32.9	18	2	Modified Manhole Type J-10	29																																										
	PR S-4-A																																																		
401	0+87		X		27.2	24	2	Inlet Type C-15	44																																										
402	1+00		X		2.6	18	2	Inlet Type M-10	24																																										
403	1+22		X		7.9	15	2	Inlet Type C-15	19																																										
404	1+60		X		9.1	12	2	Inlet Type J-10	35																																										
	PR A																																																		
A01	51+50	X			13.1	12	2	Inlet Type J-10	45																																										
A02	52+00	X			13.1	12	2	Inlet Type M-10	61																																										
A03	52+65	X			15.0	15	2	Inlet Type M-10	38																																										
A04	52+65		X		13.1	12	2	Inlet Type J-10	25																																										
A05	53+06	X			17.4	15	2	Inlet Type C-15	39																																										
A06	53+04		X		18.7	12	2	Inlet Type C-15	33																																										
A07	53+27		X		34.4	12	2	Inlet Type J-10	24																																										
A08	53+48	X			25.9	18	2	Inlet Type M-10	16																																										
A09	53+66	X			32.6	24	2	Modified Manhole Type J-10	84																																										
	PR B																																																		
B01	55+34	X			16.1	12	2	Inlet Type J-10	30																																										
B02	55+38		X		17.7	24	2	Modified Manhole Type J-15	27																																										
B03	55+61		X		58.6	24	2	Modified Manhole Type J-10	33																																										
B04	55+75		X		25.1	24	2	Manhole Type C-4	35																																										
B05	56+16		X		30.3	24	2	Modified Manhole Type J-15	67																																										
B06	56+41	X			13.1	12	2	Inlet Type J-10	45																																										
B07	56+81		X		14.7	30	2	Modified Manhole Type J-10	72																																										
B08	57+54	X			13.1	18	2	Inlet Type J-10	23																																										
B09	57+53		X		13.1	18	2	Inlet Type M-10	4																																										
B10	57+53		X		20.3	30	2	Manhole Type C-4	25																																										
R01	54+73	X			23.7	24	2	Manhole Type C-4	73																					X	X							1												

RECOMMENDED FOR APPROVAL _____ --/--/--
DESIGN ENGINEER DATE

DESIGNED: HB DRAWN: HB
CHECKED: JNH CHECKED: JNH

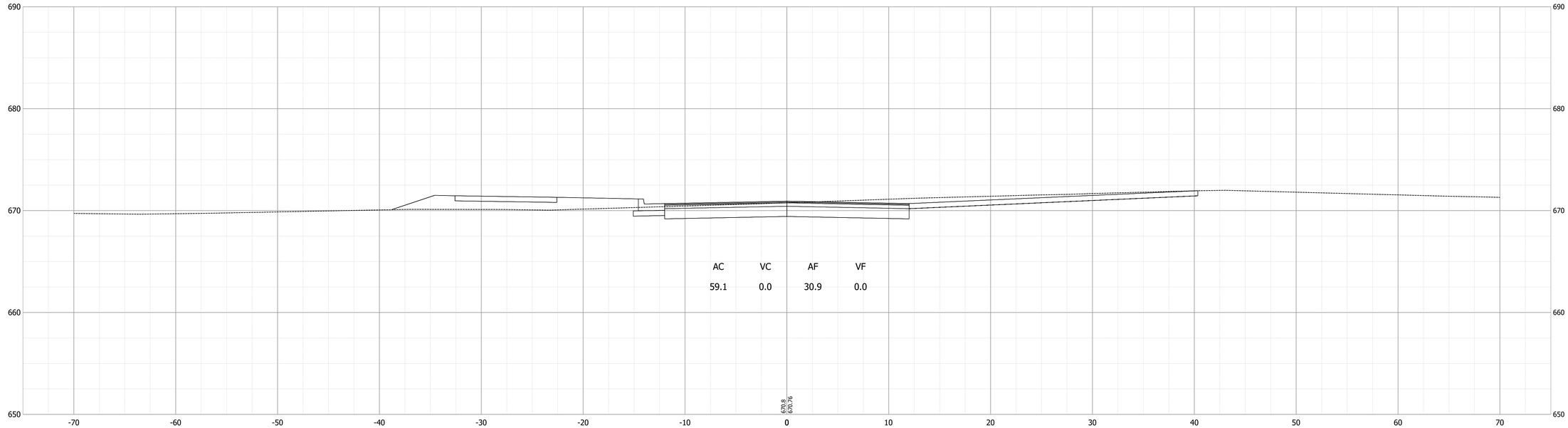
INDIANA
DEPARTMENT OF TRANSPORTATION

STRUCTURE TABLE

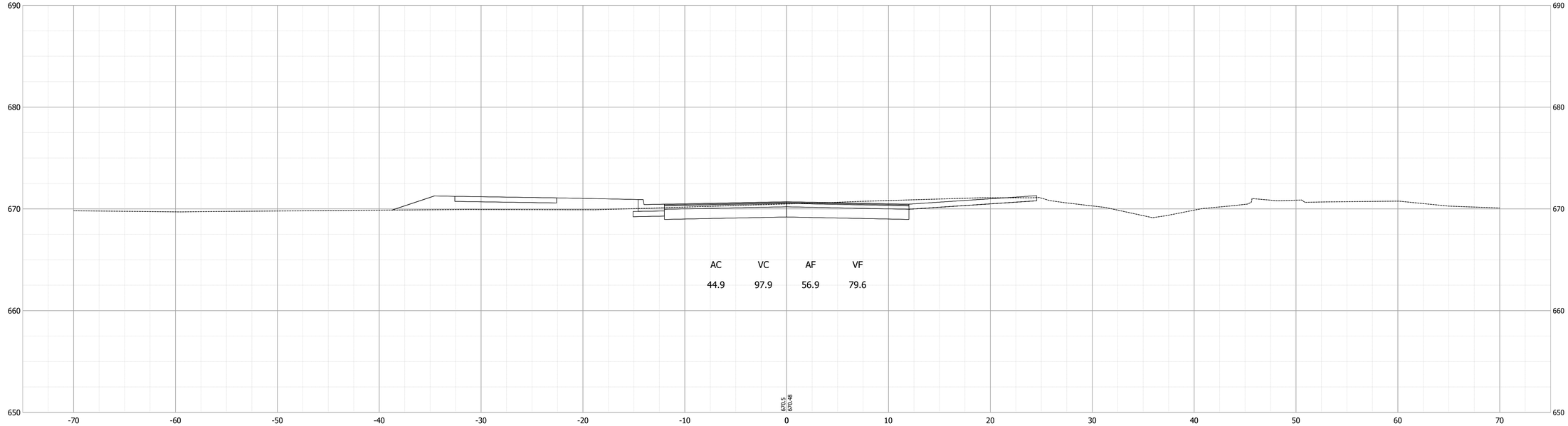
HORIZONTAL SCALE	BRIDGE FILE
N/A	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702835
SURVEY BOOK	SHEETS
ELECTRONIC	54 of 78
CONTRACT	PROJECT
R-41180	1702835

Date: Sep 14, 2020, 9:13pm User Name: SFisch
File: S:_2018\216-0028\Road\CAD\Misc\DWG\1702835 Misc Tables.dwg

51+00



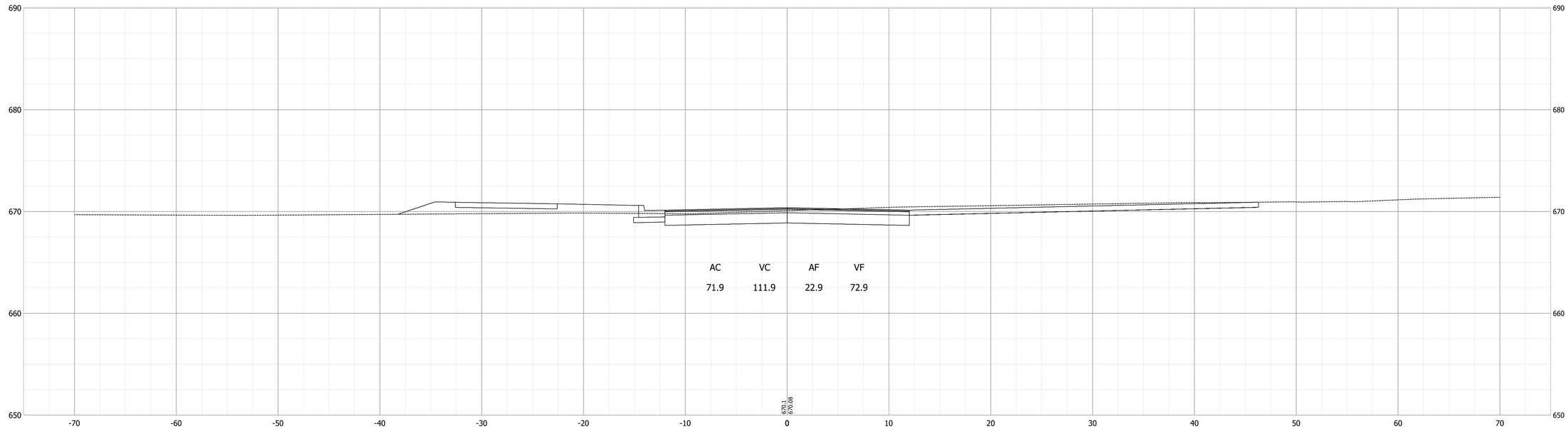
51+50



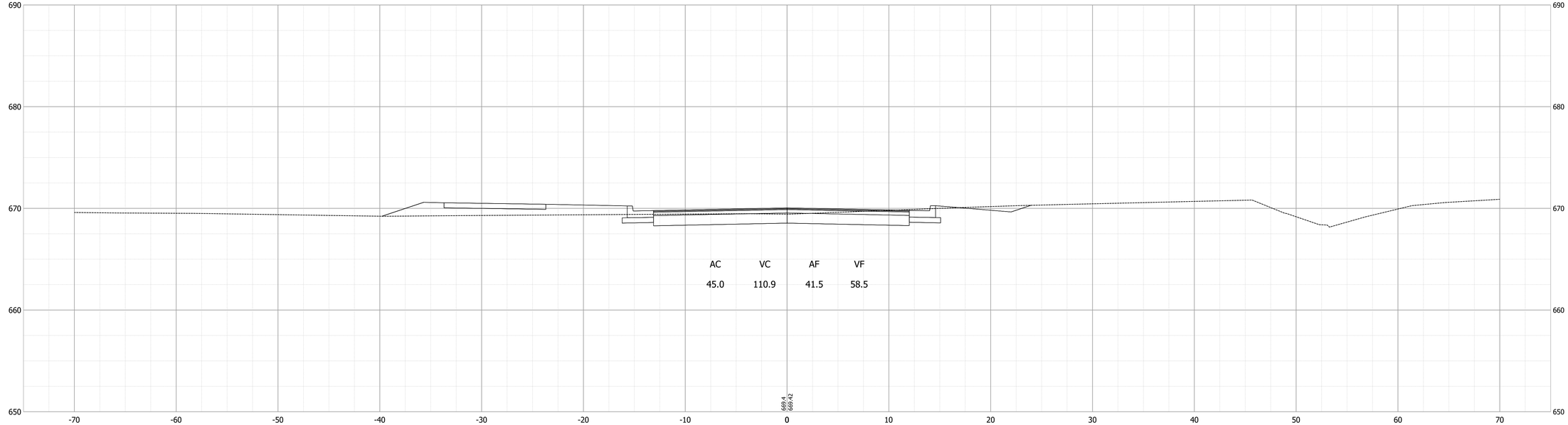
Date: Sep 14, 2020, 9:13pm User Name: SFisch
File: S:_2018\218-0026\Road\CAD\Cross\cet1702835 Cross Sections.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER 7/28/2020 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
		VERTICAL SCALE 1" = 5'	DESIGNATION 1702835
DESIGNED: KMA DRAWN: KMA	CROSS SECTIONS LINE "PR-A"	SURVEY BOOK ELECTRONIC	SHEETS 56 of 78
CHECKED: JNH CHECKED: JNH		CONTRACT R-41180	PROJECT 1702835

52+00



52+50



Date: Sep 14, 2020, 9:13pm User Name: SFisch
File: S:_2018\218-0028\Road\CAD\Cross\Sect\1702835 Cross Sections.dwg

RECOMMENDED FOR APPROVAL _____ 7/28/2020
DESIGN ENGINEER DATE

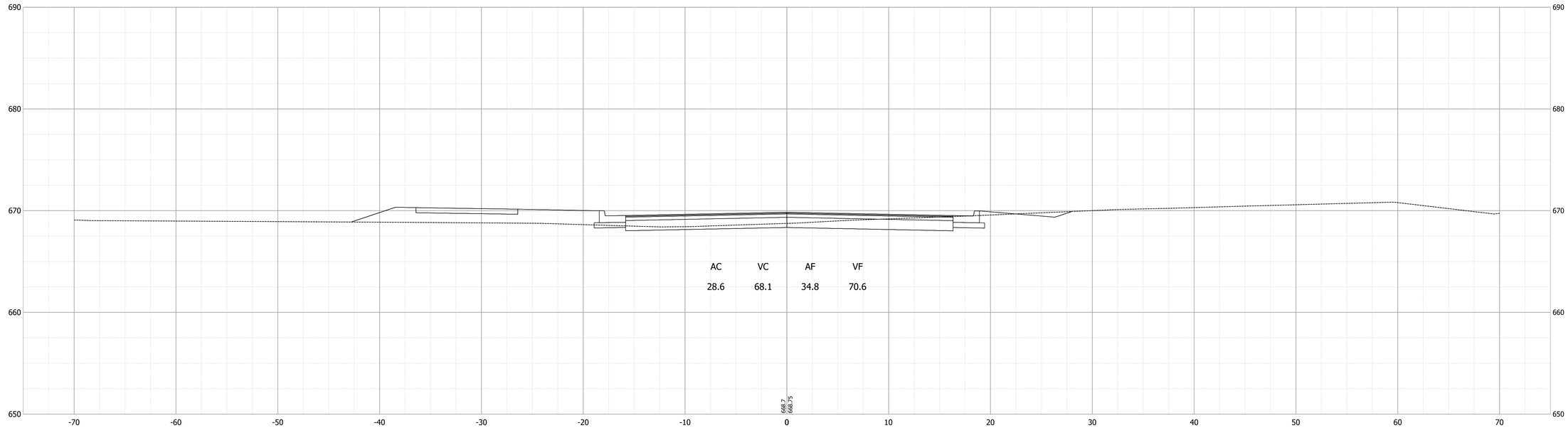
DESIGNED: KMA DRAWN: KMA
CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

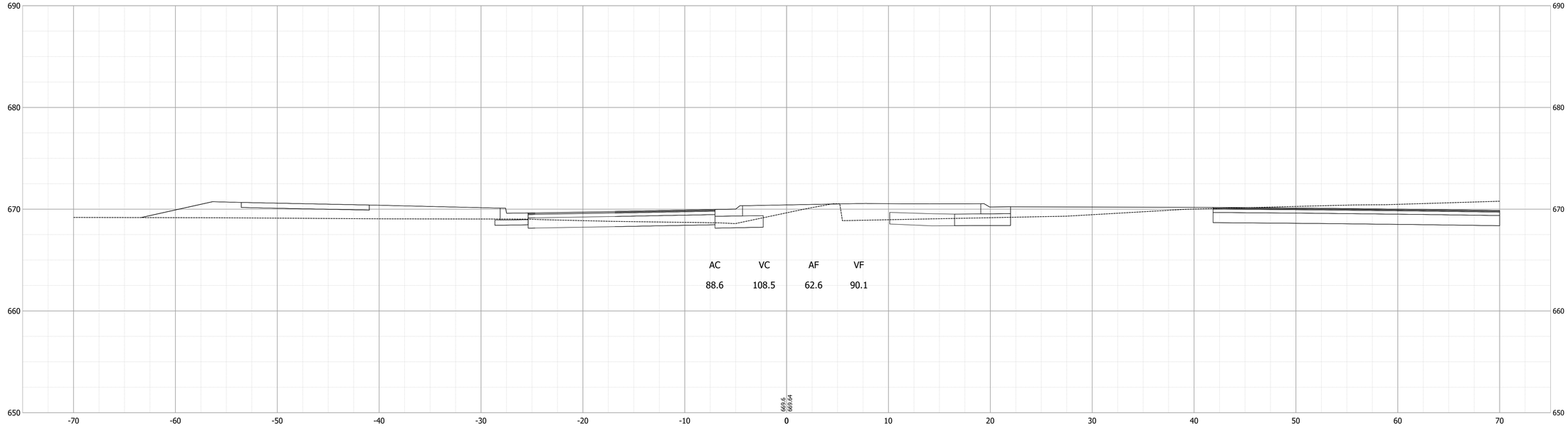
CROSS SECTIONS
LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1702835
SURVEY BOOK	SHEETS
ELECTRONIC	57 of 78
CONTRACT	PROJECT
R-41180	1702835

53+00



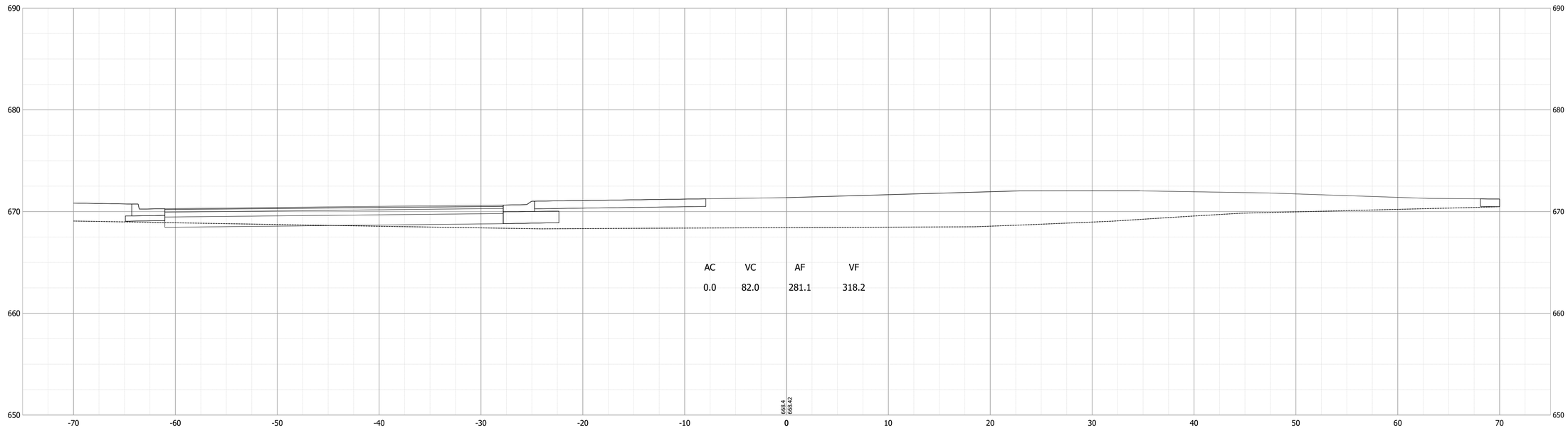
53+50



Date: Sep 14, 2020, 9:12pm User Name: SFisch
File: S:_2018\218-0026\Road\CAD\Cross\cc11702835 Cross Sections.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER 7/28/2020 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
		VERTICAL SCALE 1" = 5'	DESIGNATION 1702835
DESIGNED: KMA DRAWN: KMA	CROSS SECTIONS LINE "PR-A"	SURVEY BOOK ELECTRONIC	SHEETS 58 of 78
CHECKED: JNH CHECKED: JNH		CONTRACT R-41180	PROJECT 1702835

54+00



AC	VC	AF	VF
0.0	82.0	281.1	318.2

Date: Sep 14, 2020, 9:13pm User Name: SFisch
File: S:_DIVISIONS\Road\CAD\CrossSect\1702835 Cross Sections.dwg

RECOMMENDED FOR APPROVAL _____ 7/28/2020
DESIGN ENGINEER DATE

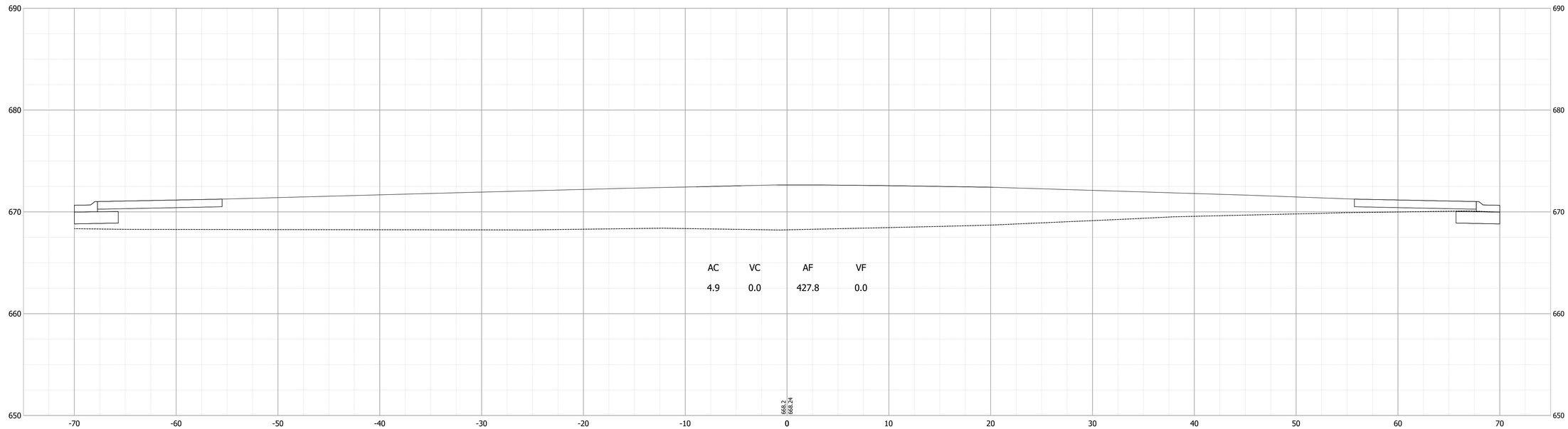
DESIGNED: KMA DRAWN: KMA
CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

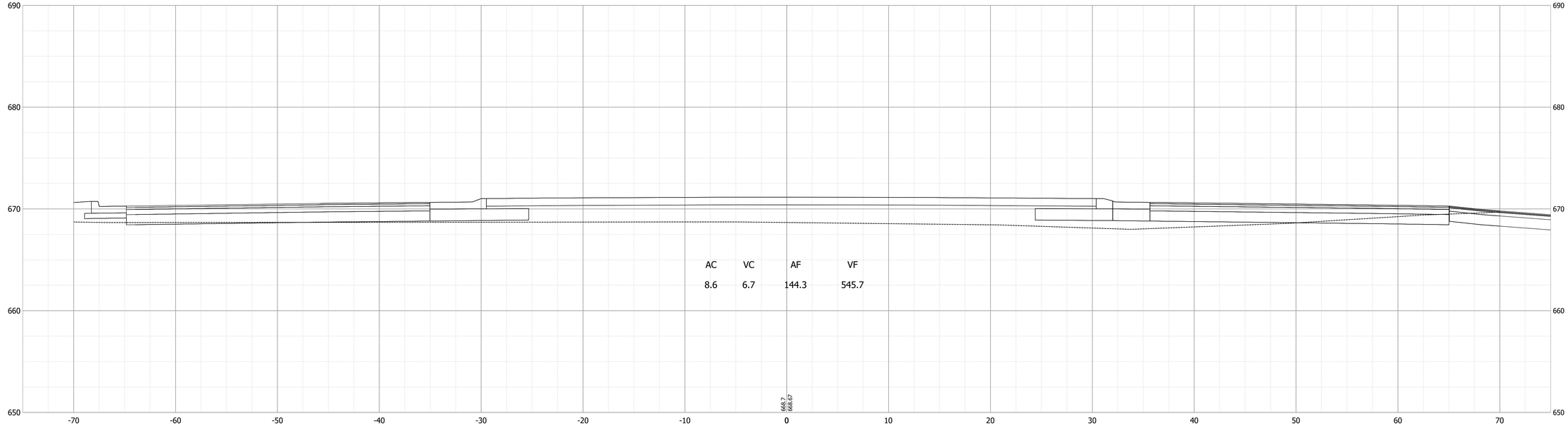
CROSS SECTIONS
LINE "PR-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1702835
SURVEY BOOK	SHEETS
ELECTRONIC	59 of 78
CONTRACT	PROJECT
R-41180	1702835

54+50



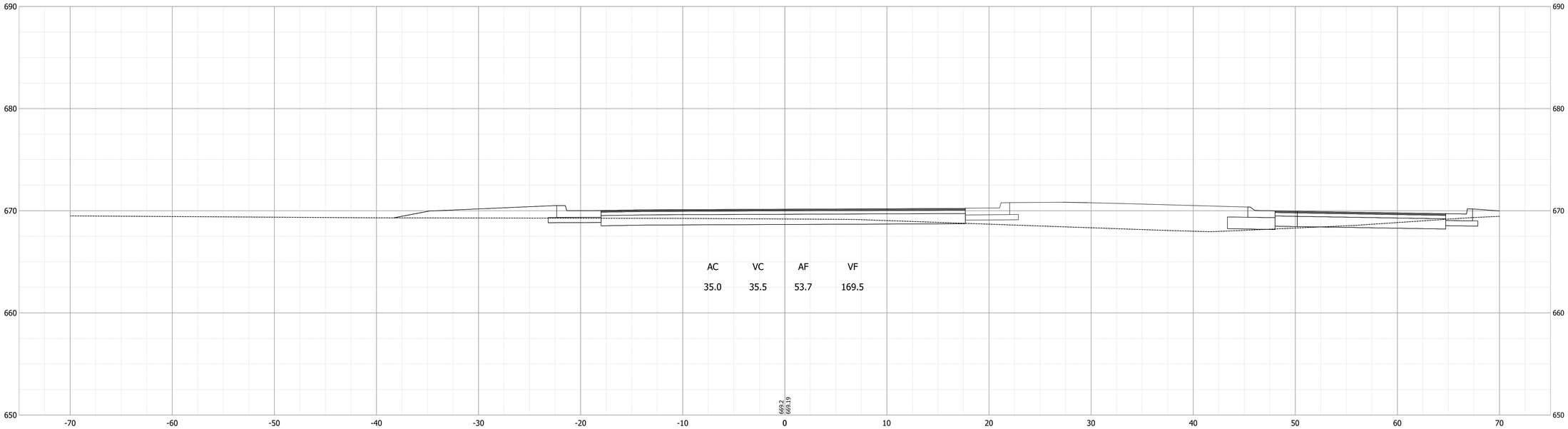
55+00



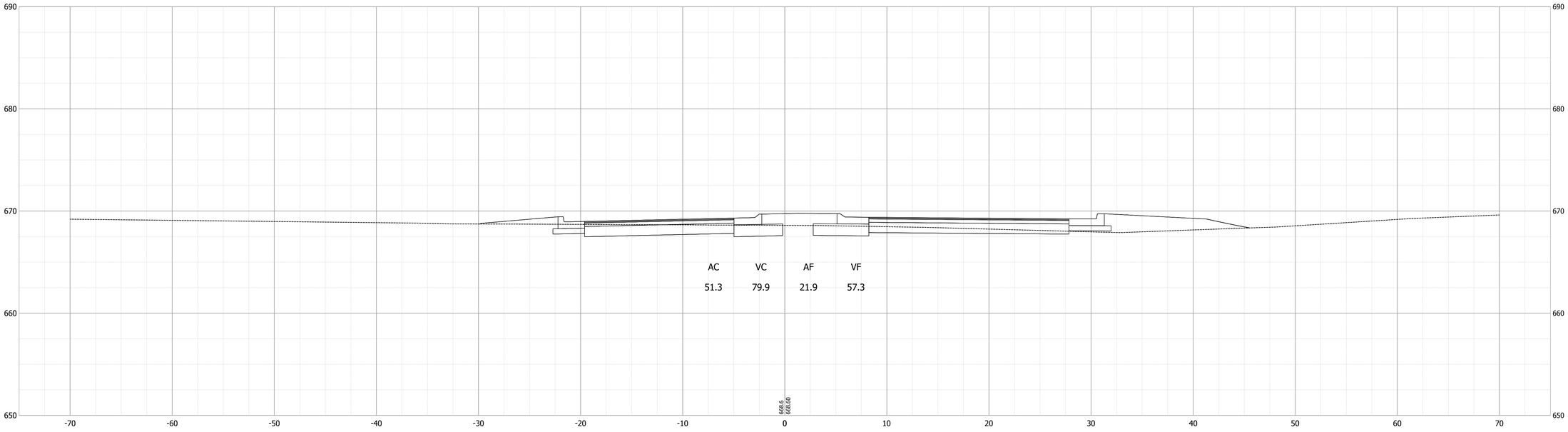
Date: Sep 14, 2020, 9:12pm User Name: SFisch
File: S:_2019\219-0026\Road_DD\Cross\Sect1\702835 Cross Sections.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	7/28/2020 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1" = 5'
			VERTICAL SCALE: 1" = 5'
			BRIDGE FILE: N/A
			DESIGNATION: 1702835
DESIGNED: KMA	DRAWN: KMA	CROSS SECTIONS LINE "PR-B"	SURVEY BOOK: ELECTRONIC
CHECKED: JNH	CHECKED: JNH		SHEETS: 60 of 78
			CONTRACT: R-41180
			PROJECT: 1702835

55+50



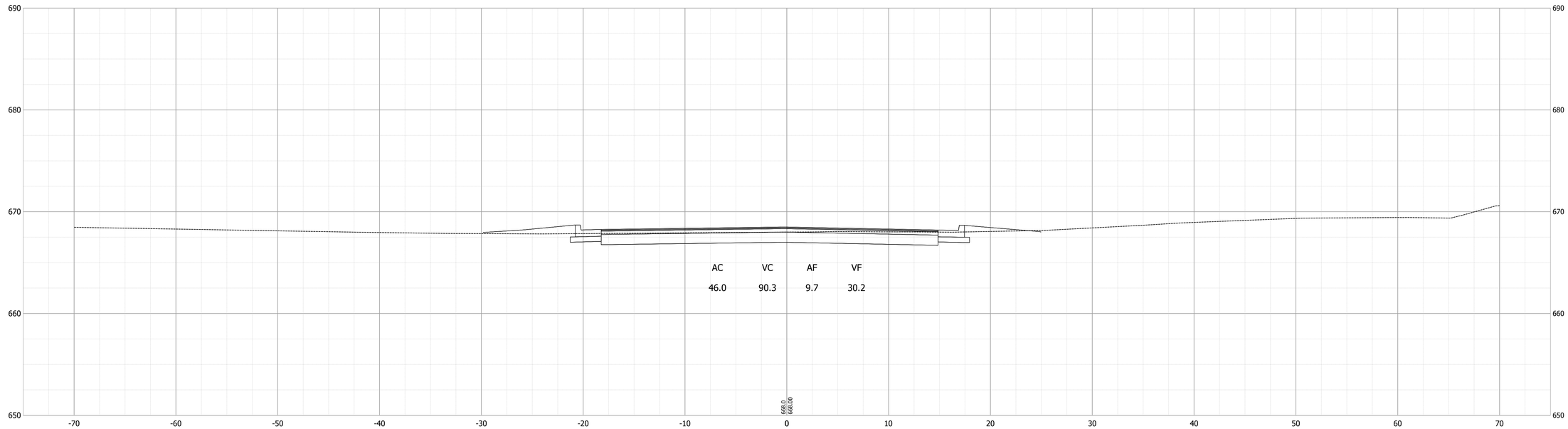
56+00



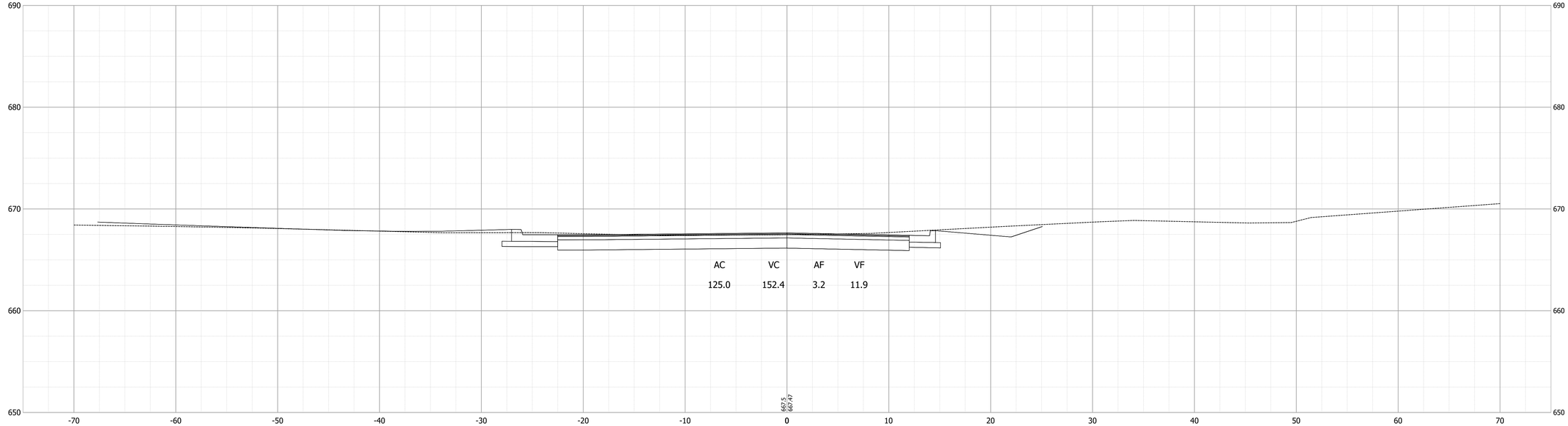
Date: Sep 14, 2020, 9:14pm User Name: SFisch
File: S:_2018\218-0026\Road\CAD\CrossSect\1702835 Cross Sections.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	7/28/2020 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1" = 5' / BRIDGE FILE: N/A
			VERTICAL SCALE: 1" = 5' / DESIGNATION: 1702835
DESIGNED: KMA	DRAWN: KMA	CROSS SECTIONS LINE "PR-B"	SURVEY BOOK / SHEETS
CHECKED: JNH	CHECKED: JNH		ELECTRONIC / 61 of 78
			CONTRACT / PROJECT
			R-41180 / 1702835

56+50



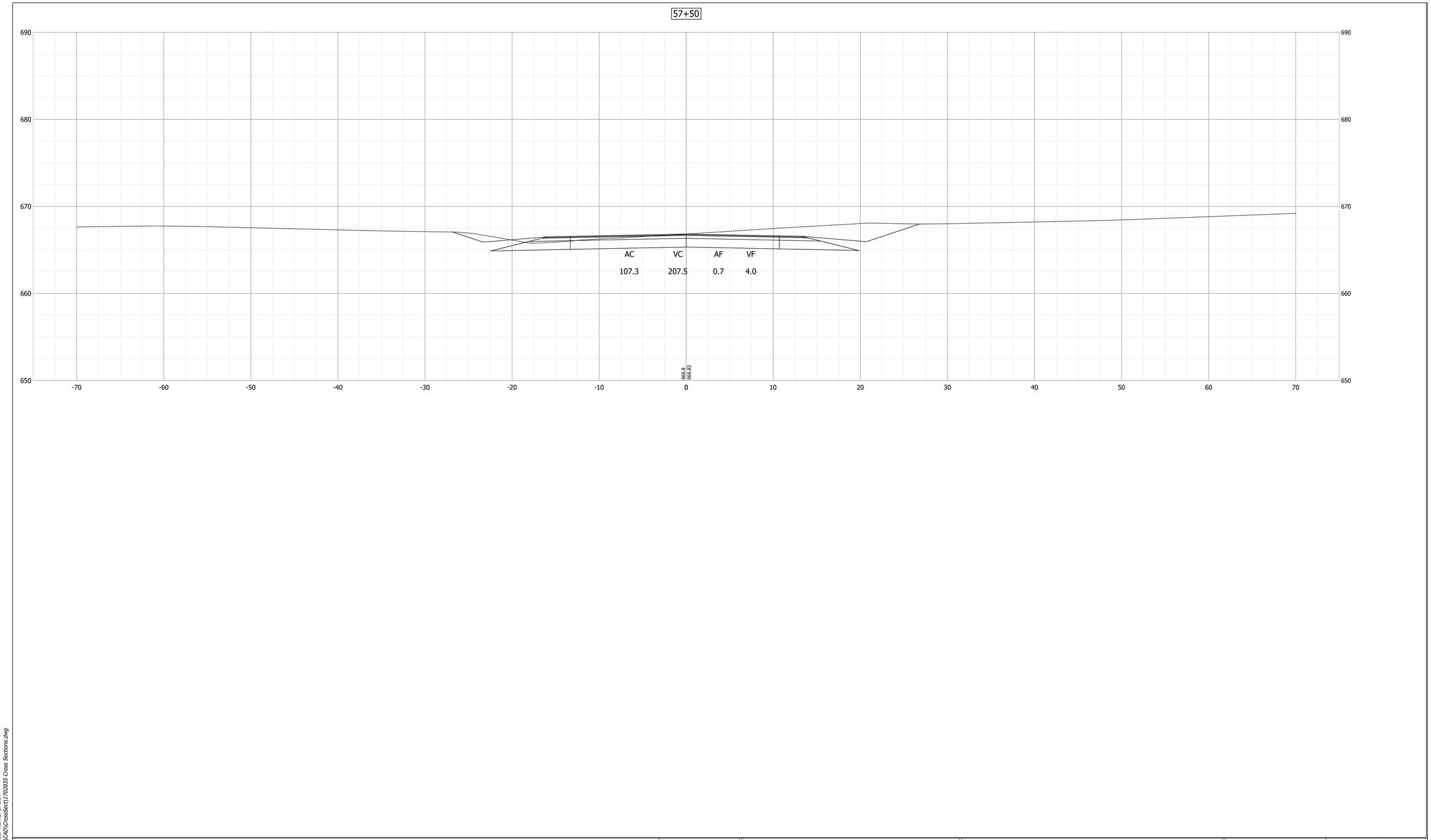
57+00



Date: Sep 14, 2020, 9:14pm User Name: SFisch
File: S:_2018\1702835\Road\CAD\Cross\Sect\1702835 Cross Sections.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	7/28/2020 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1" = 5'
			VERTICAL SCALE: 1" = 5'
DESIGNED: KMA	DRAWN: KMA	CROSS SECTIONS LINE "PR-B"	SURVEY BOOK: ELECTRONIC
CHECKED: JNH	CHECKED: JNH		CONTRACT: R-41180

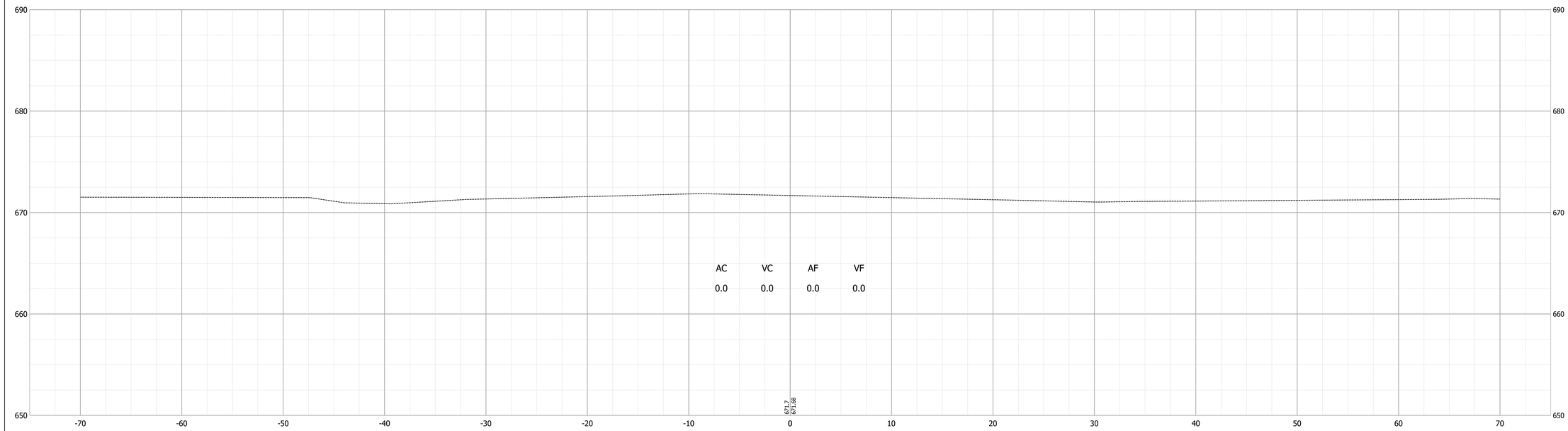
BRIDGE FILE	N/A
DESIGNATION	1702835
SHEETS	62 of 78
PROJECT	1702835



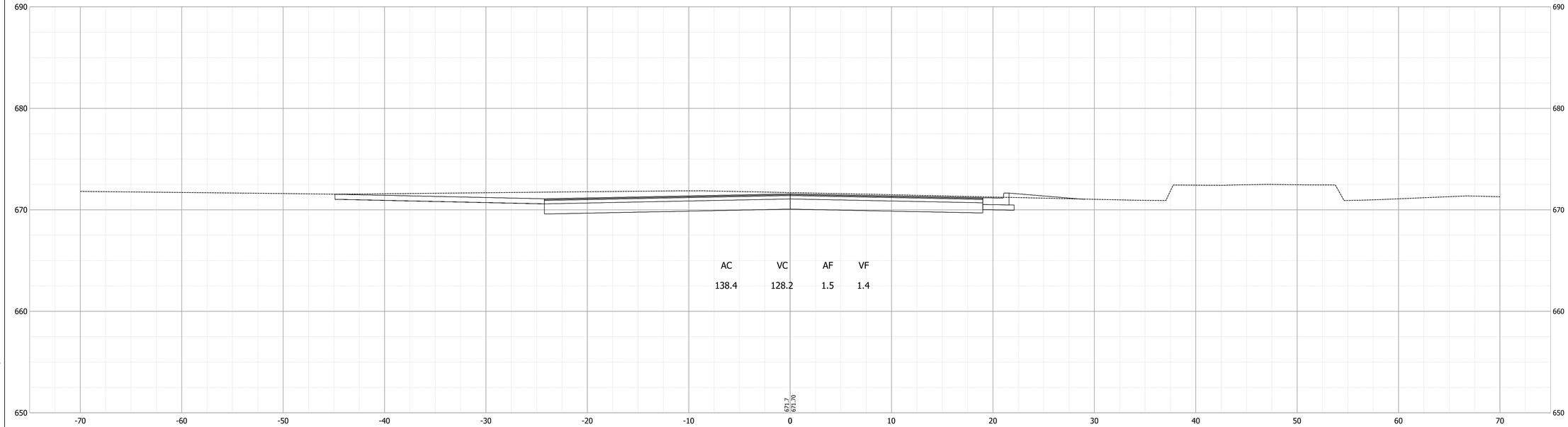
Date: Sep 14, 2020, 9:14pm User Name: SFisch
File: S:_0018\218-6026\Road\CAD\CrossSect\1702835 Cross Sections.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	7/28/2020 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1" = 5' / BRIDGE FILE: N/A
			VERTICAL SCALE: 1" = 5' / DESIGNATION: 1702835
DESIGNED: KMA	DRAWN: KMA	CROSS SECTIONS LINE "PR-B"	SURVEY BOOK: ELECTRONIC / SHEETS: 63 of 78
CHECKED: JNH	CHECKED: JNH		CONTRACT: R-41180 / PROJECT: 1702835

0+50



1+00



Date: Sep 14, 2020, 9:14pm User Name: SFisch
File: S:_2018\2190026\Road\CAD\Cross\1702835 Cross Sections.dwg

RECOMMENDED FOR APPROVAL _____ 7/28/2020
DESIGN ENGINEER DATE

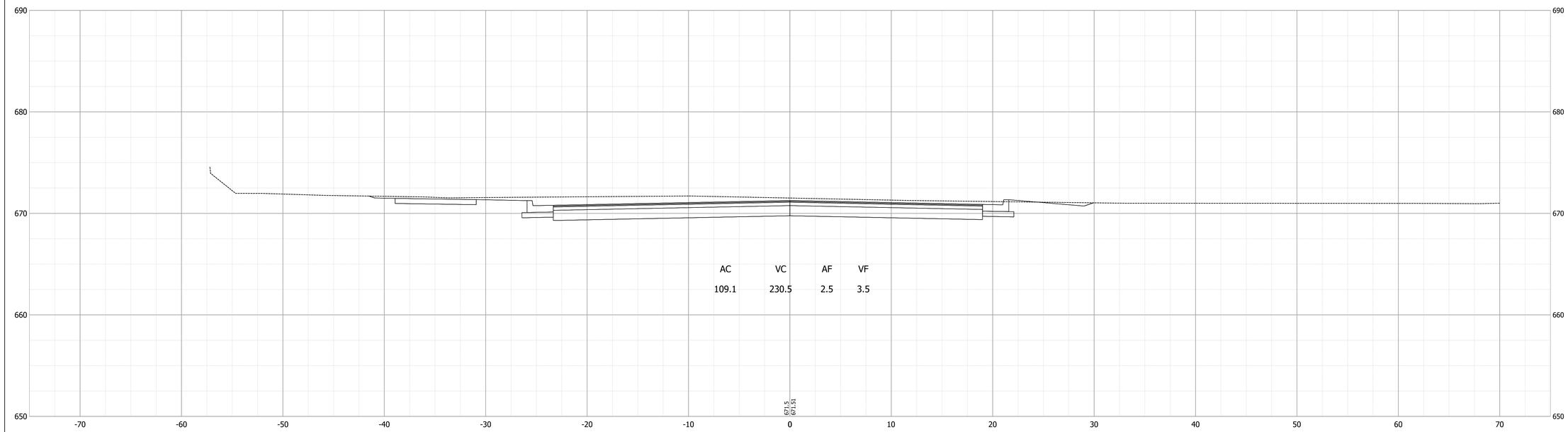
DESIGNED: KMA DRAWN: KMA
CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

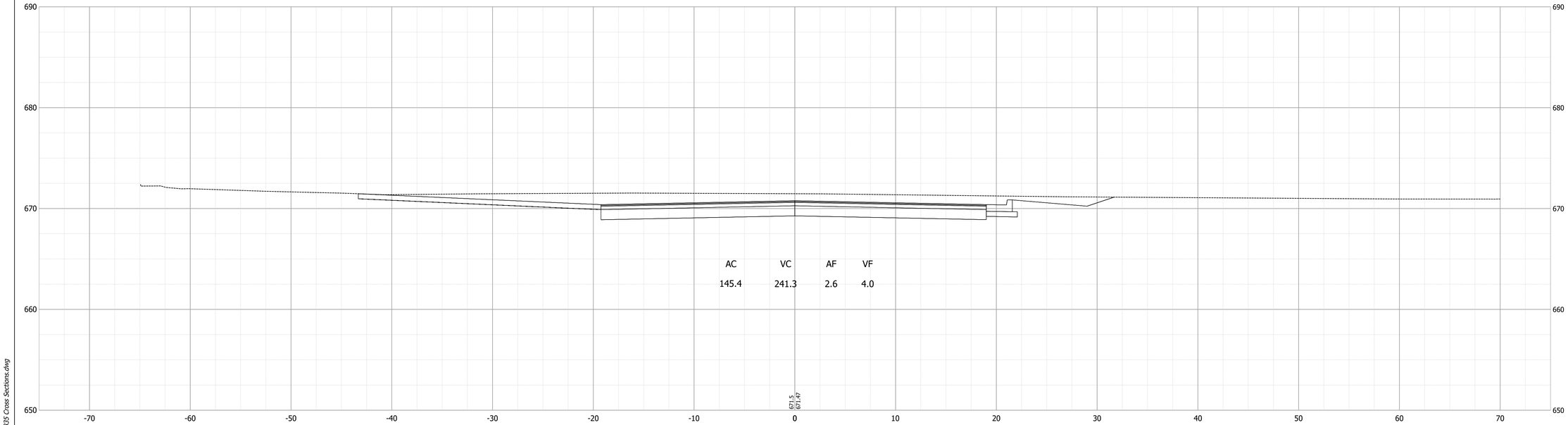
CROSS SECTIONS
LINE "PR-S-1-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1702835
SURVEY BOOK	SHEETS
ELECTRONIC	64 of 78
CONTRACT	PROJECT
R-41180	1702835

1+50



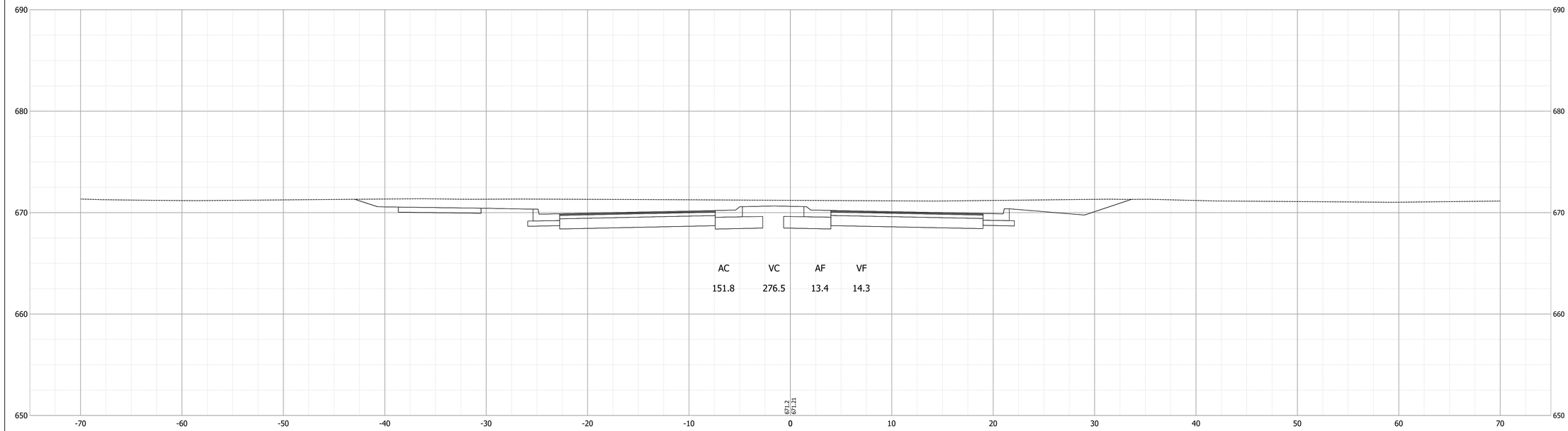
2+00



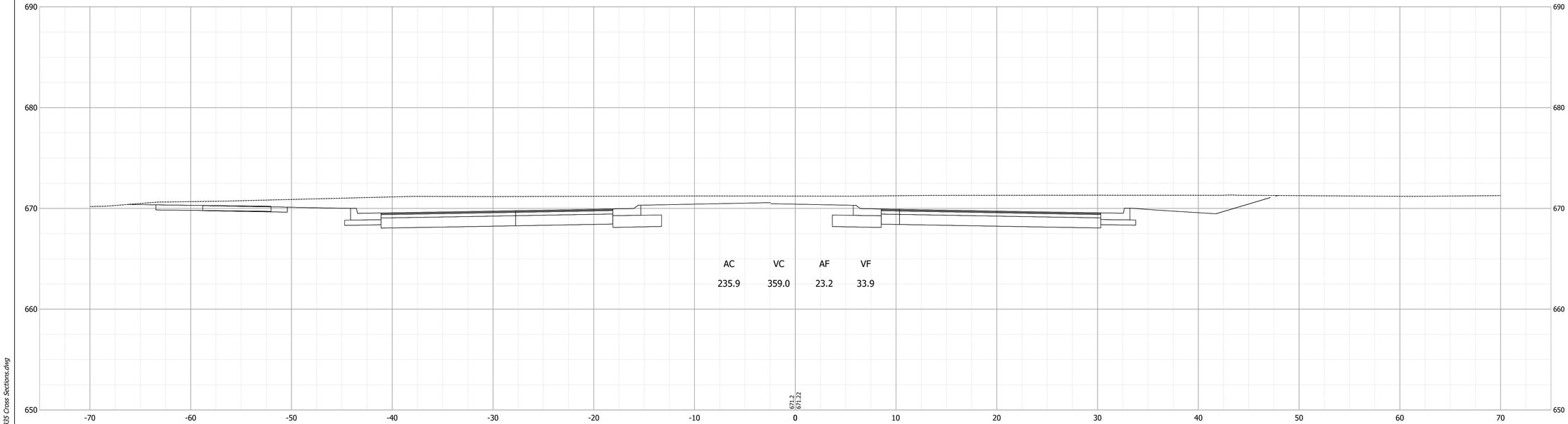
Date: Sep 14, 2020, 9:14pm User Name: SFisch
File: s:_2018\1702835\Road\CAD\Cross\Cx1702835 Cross Sections.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	7/28/2020 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1" = 5' / BRIDGE FILE: N/A
			VERTICAL SCALE: 1" = 5' / DESIGNATION: 1702835
DESIGNED: KMA	DRAWN: KMA	CROSS SECTIONS LINE "PR-S-1-A"	SURVEY BOOK: ELECTRONIC / SHEETS: 65 of 78
CHECKED: JNH	CHECKED: JNH		CONTRACT: R-41180 / PROJECT: 1702835

2+50



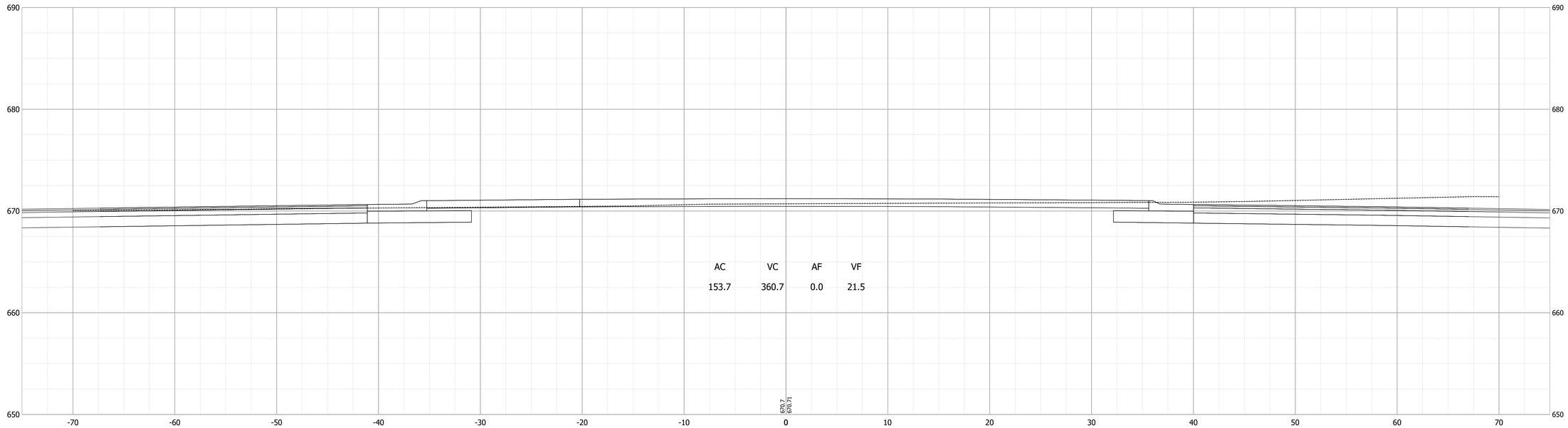
3+00



Date: Sep 14, 2020, 9:14am User Name: SFisch
File: S:_2019\219-0026\Road\CAD\Cross\Sect\1702835 Cross Sections.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	7/28/2020 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1" = 5'
			VERTICAL SCALE: 1" = 5'
			BRIDGE FILE: N/A
			DESIGNATION: 1702835
DESIGNED: KMA	DRAWN: KMA	CROSS SECTIONS LINE "PR-S-1-A"	SURVEY BOOK: ELECTRONIC
CHECKED: JNH	CHECKED: JNH		SHEETS: 66 of 78
			CONTRACT: R-41180
			PROJECT: 1702835

3+50



AC	VC	AF	VF
153.7	360.7	0.0	21.5

Date: Sep 14, 2020, 9:14pm User Name: SFisch
File: S:_D0181218\0026\Road\CAD\CrossSect\1702835 Cross Sections.dwg

RECOMMENDED FOR APPROVAL _____ 7/28/2020
DESIGN ENGINEER DATE

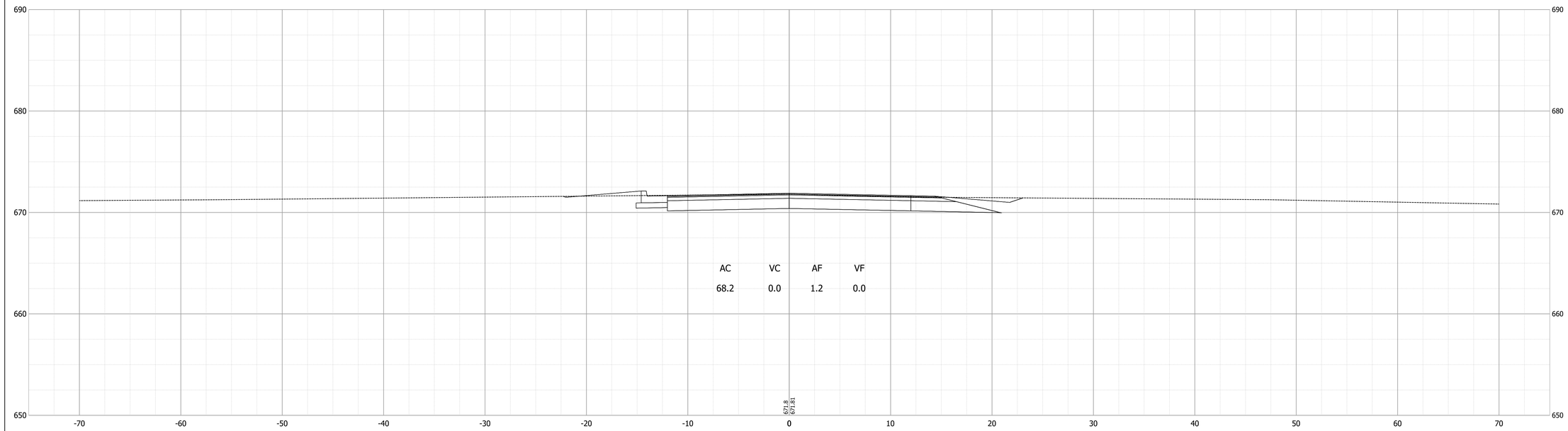
DESIGNED: KMA DRAWN: KMA
CHECKED: JNH CHECKED: JNH

INDIANA
DEPARTMENT OF TRANSPORTATION

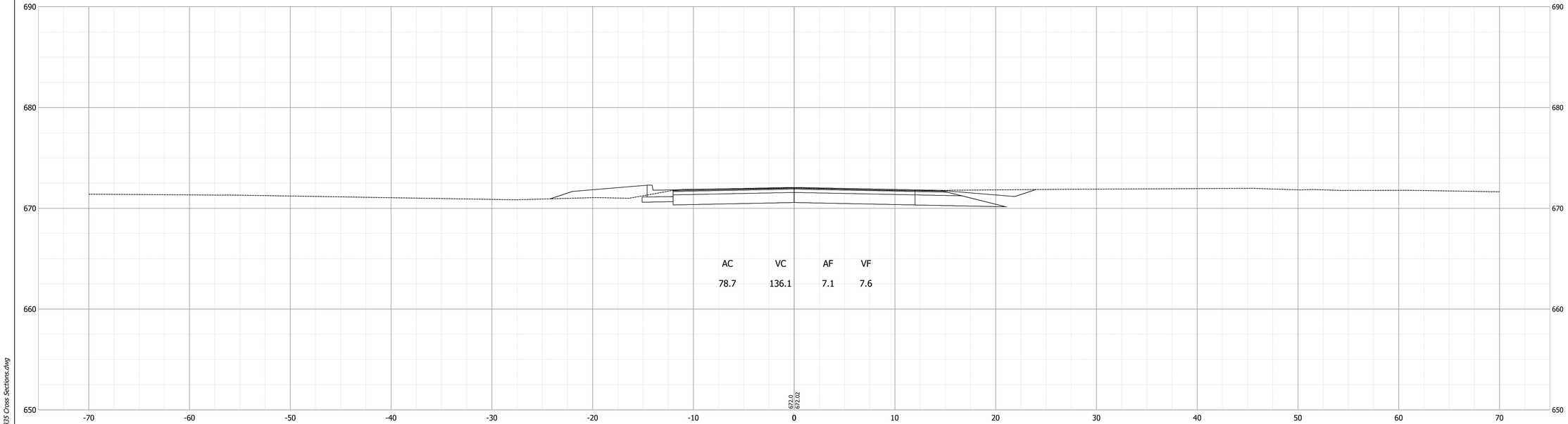
CROSS SECTIONS
LINE "PR-S-1-A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
1" = 5'	1702835
SURVEY BOOK	SHEETS
ELECTRONIC	67 of 78
CONTRACT	PROJECT
R-41180	1702835

0+50



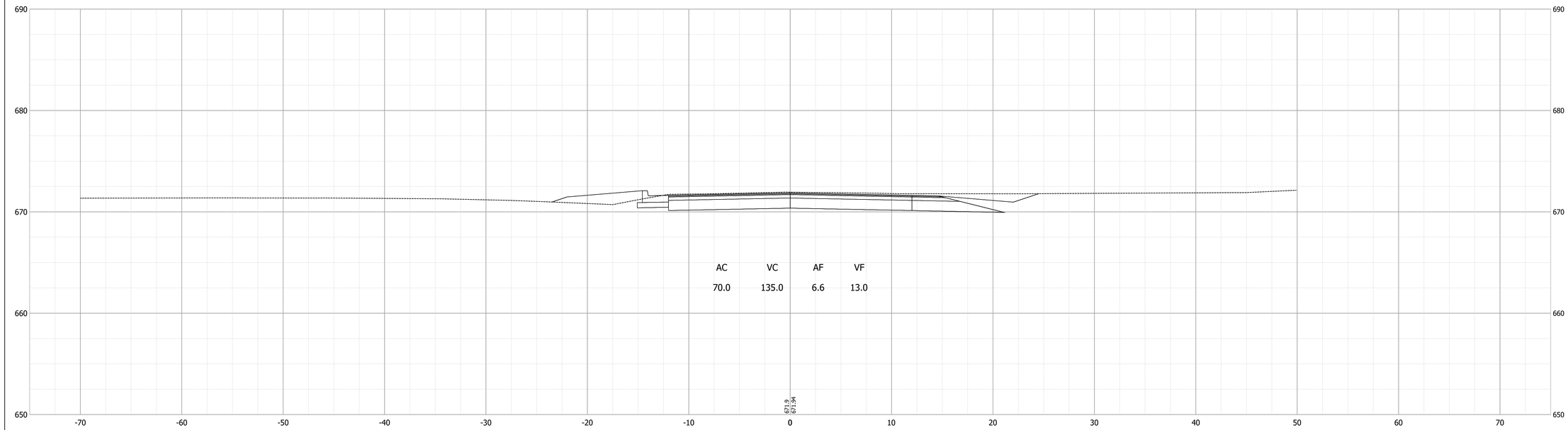
1+00



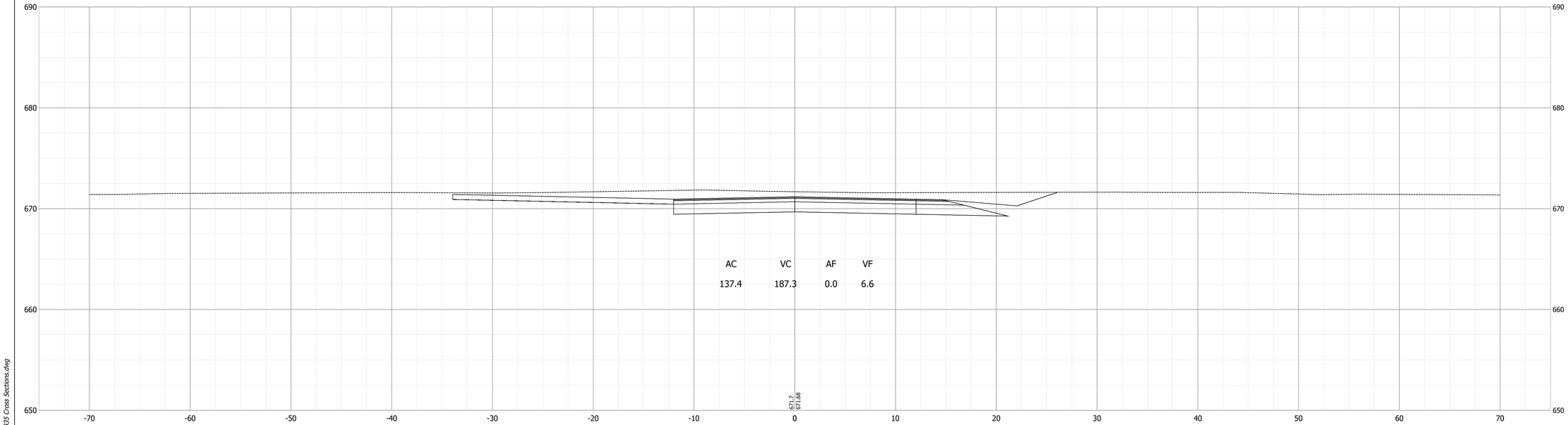
Date: Sep 14, 2020, 9:14am User Name: SFisch
File: S:_2018\218-0026\Road\CAD\Cross\Sect\1702835 Cross Sections.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER 7/28/2020 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 5'	BRIDGE FILE N/A
		VERTICAL SCALE 1" = 5'	DESIGNATION 1702835
DESIGNED: KMA DRAWN: KMA	CROSS SECTIONS LINE "PA-S-2-A"	SURVEY BOOK ELECTRONIC	SHEETS 68 of 78
CHECKED: JNH CHECKED: JNH		CONTRACT R-41180	PROJECT 1702835

1+50



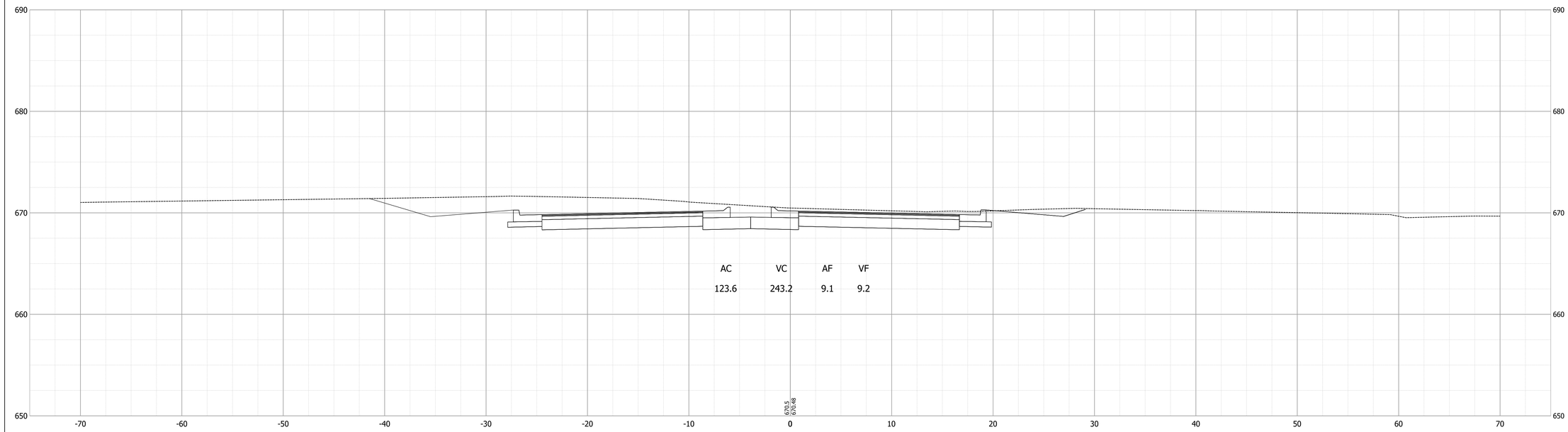
2+00



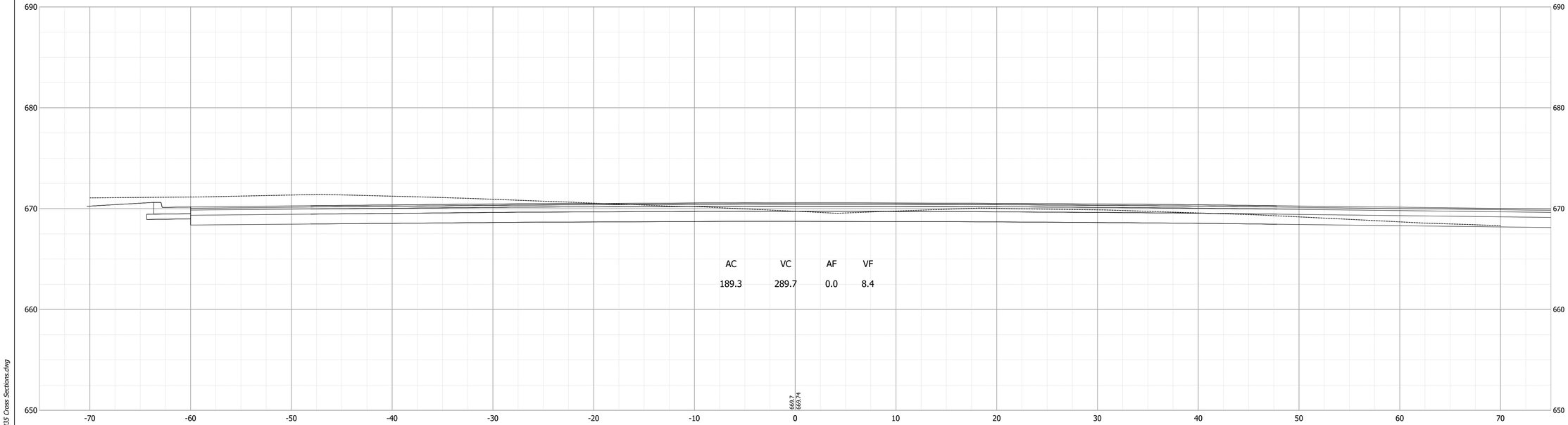
Date: Sep 14, 2020, 9:14pm User Name: SFisch
File: s:_2018\1702835\Road\Cad\Cross\Sect1702835 Cross Sections.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	7/28/2020 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1" = 5' / BRIDGE FILE: N/A
			VERTICAL SCALE: 1" = 5' / DESIGNATION: 1702835
DESIGNED: KMA	DRAWN: KMA	CROSS SECTIONS LINE "PR-S-2-A"	SURVEY BOOK: ELECTRONIC / SHEETS: 69 of 78
CHECKED: JNH	CHECKED: JNH		CONTRACT: R-41180 / PROJECT: 1702835

2+50

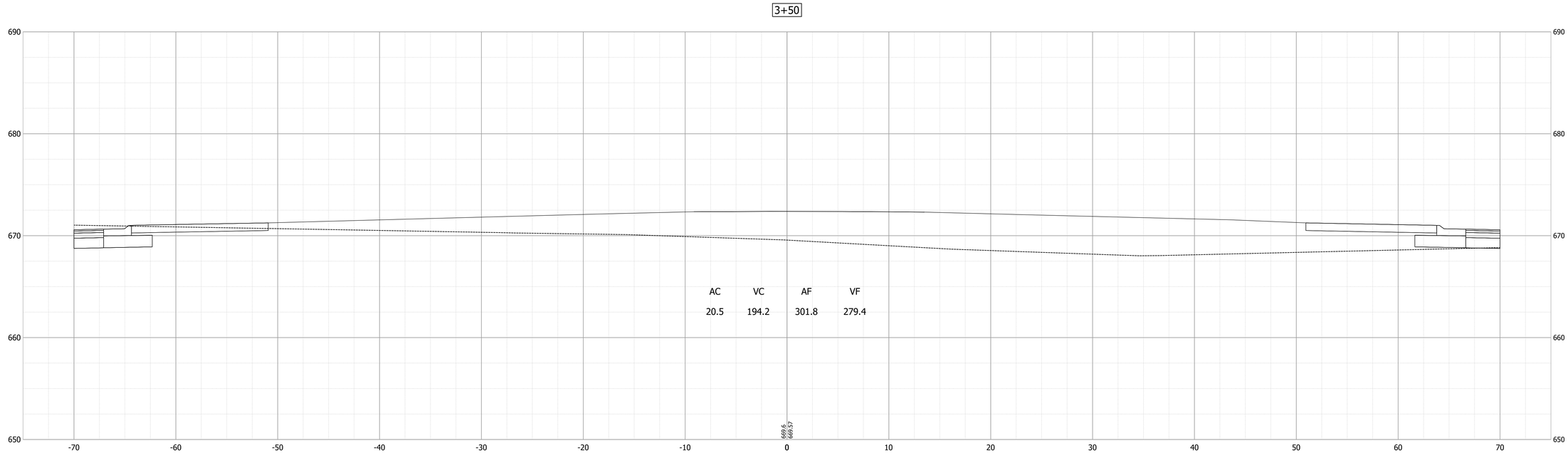


3+00



Date: Sep 14, 2020, 9:14am User Name: SFisch
File: S:_2018\18-0028\Road\D\CrossSect\1702835 Cross Sections.dwg

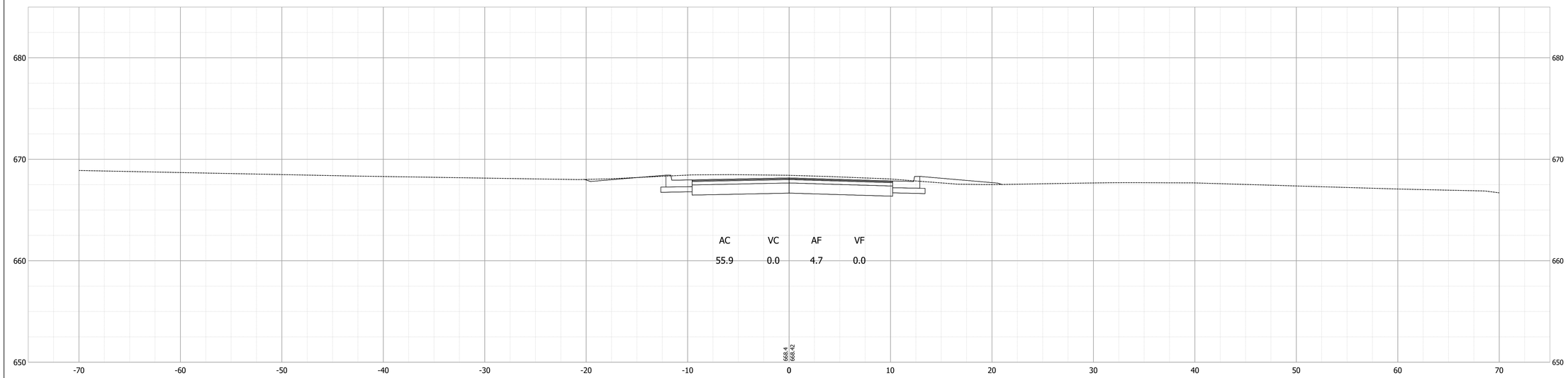
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	7/28/2020 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1" = 5'
			BRIDGE FILE: N/A
			VERTICAL SCALE: 1" = 5'
			DESIGNATION: 1702835
DESIGNED: KMA	DRAWN: KMA	CROSS SECTIONS LINE "PR-S-2-A"	SURVEY BOOK: ELECTRONIC
CHECKED: JNH	CHECKED: JNH		SHEETS: 70 of 78
			CONTRACT: R-41180
			PROJECT: 1702835



Date: Sep 14, 2020, 9:14pm User Name: SFisch
File: S:_2018\218-6026\Road\CAD\CrossSect\1702835 Cross Sections.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	7/28/2020 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1" = 5' / BRIDGE FILE: N/A / VERTICAL SCALE: 1" = 5' / DESIGNATION: 1702835
DESIGNED: KMA / DRAWN: KMA		CROSS SECTIONS LINE "PR-S-2-A"	SURVEY BOOK: ELECTRONIC / SHEETS: 71 of 78
CHECKED: JNH / CHECKED: JNH			CONTRACT: R-41180 / PROJECT: 1702835

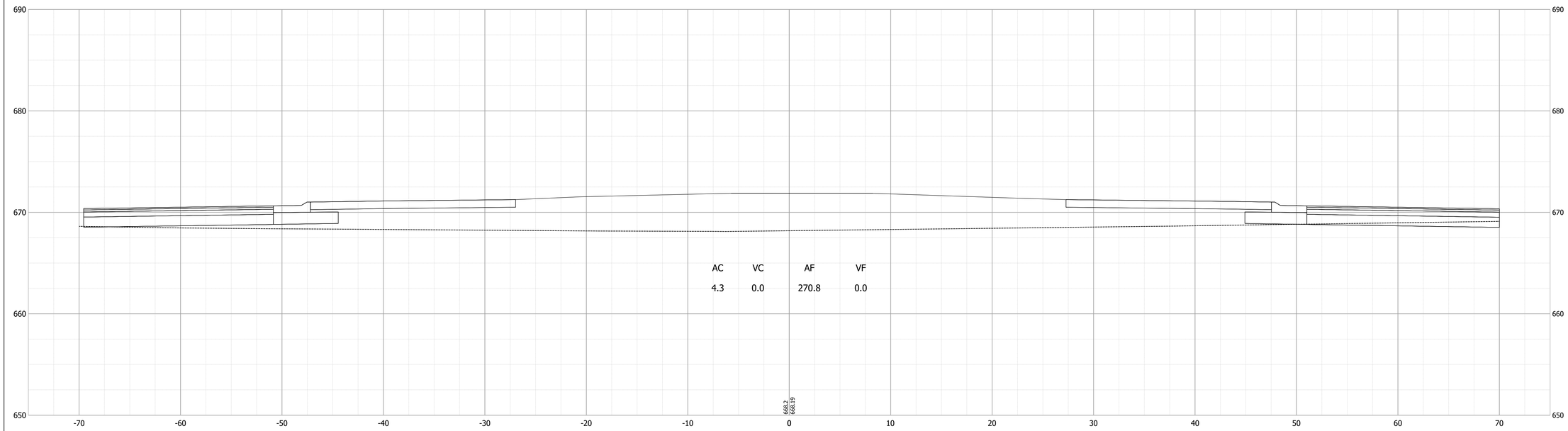
0+50



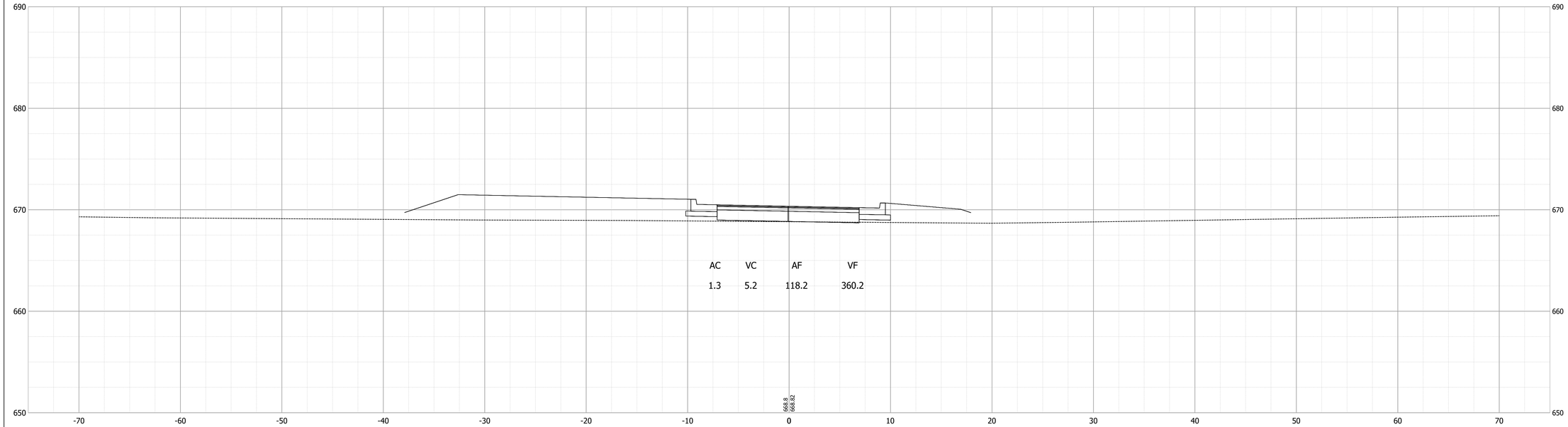
Date: Sep 14, 2020, 9:15pm User Name: SFisch
File: S:_DOT\2140\Road\CAD\CrossSect\1702835 Cross Sections.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	7/28/2020 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1" = 5' / BRIDGE FILE: N/A / VERTICAL SCALE: 1" = 5' / DESIGNATION: 1702835
DESIGNED: KMA	DRAWN: KMA	CROSS SECTIONS LINE "PR-S-3-A"	SURVEY BOOK: ELECTRONIC / SHEETS: 72 of 78
CHECKED: JNH	CHECKED: JNH		CONTRACT: R-41180 / PROJECT: 1702835

0+50



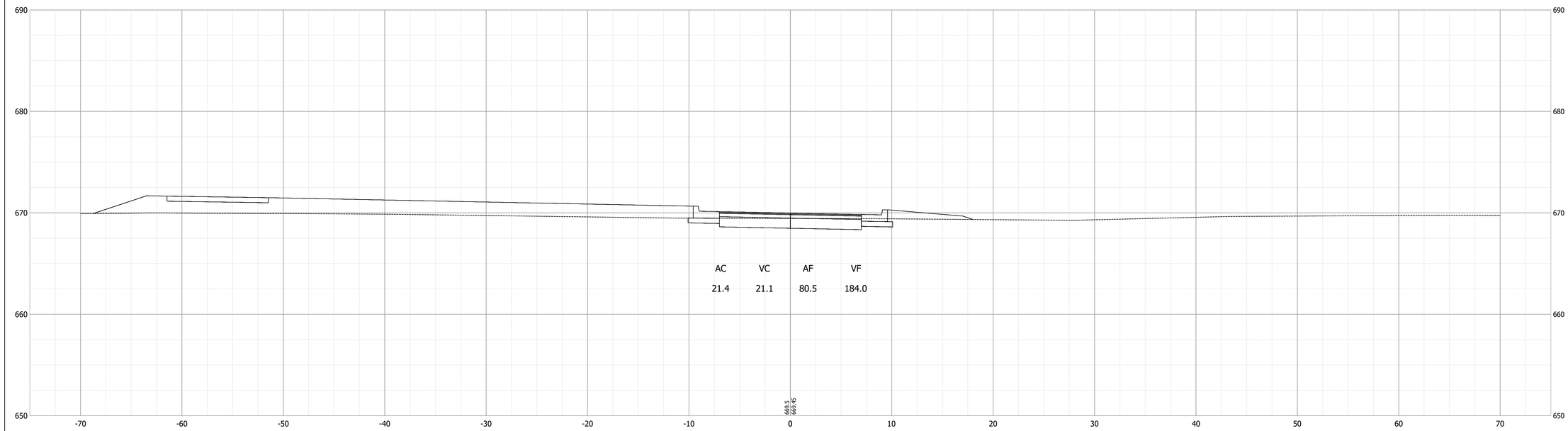
1+00



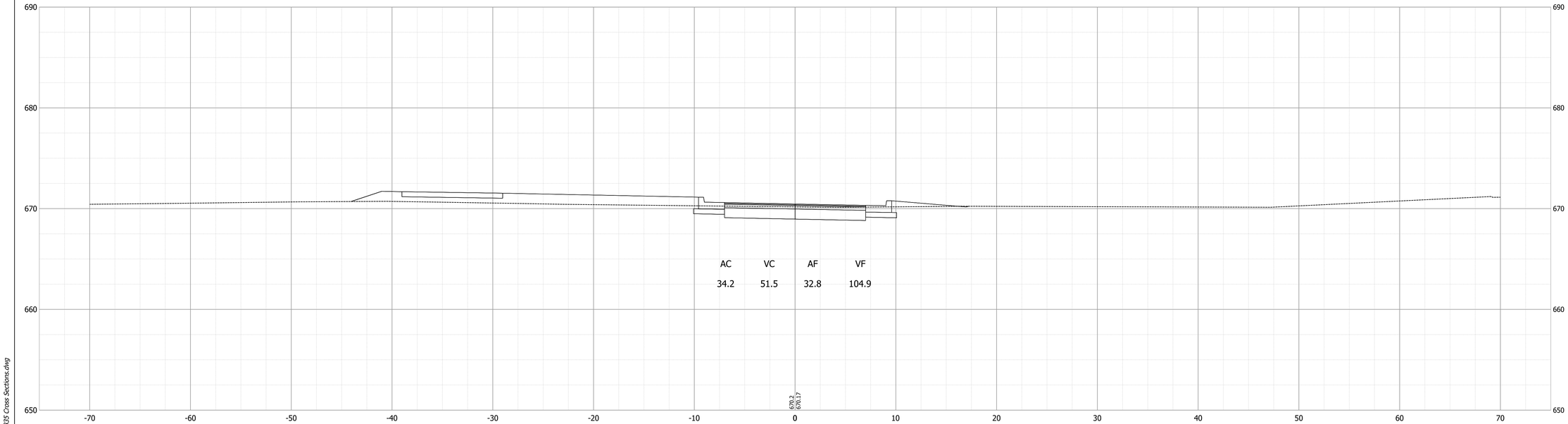
Date: Sep 14, 2020, 9:15pm User Name: SFisch
File: S:_2019\219-0026\Road\CAD\Cross\cc1\1702835 Cross Sections.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	7/28/2020 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1" = 5'
			VERTICAL SCALE: 1" = 5'
			BRIDGE FILE: N/A
			DESIGNATION: 1702835
DESIGNED: KMA	DRAWN: KMA	CROSS SECTIONS LINE "PR-S-4-A"	SURVEY BOOK: ELECTRONIC
CHECKED: JNH	CHECKED: JNH		SHEETS: 73 of 78
			CONTRACT: R-41180
			PROJECT: 1702835

1+50



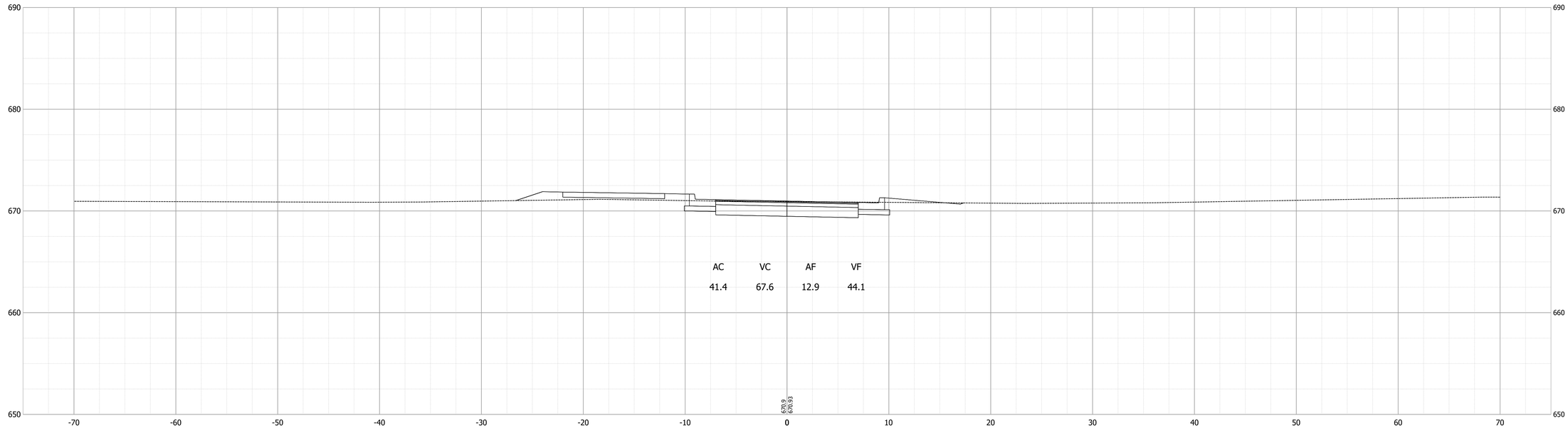
2+00



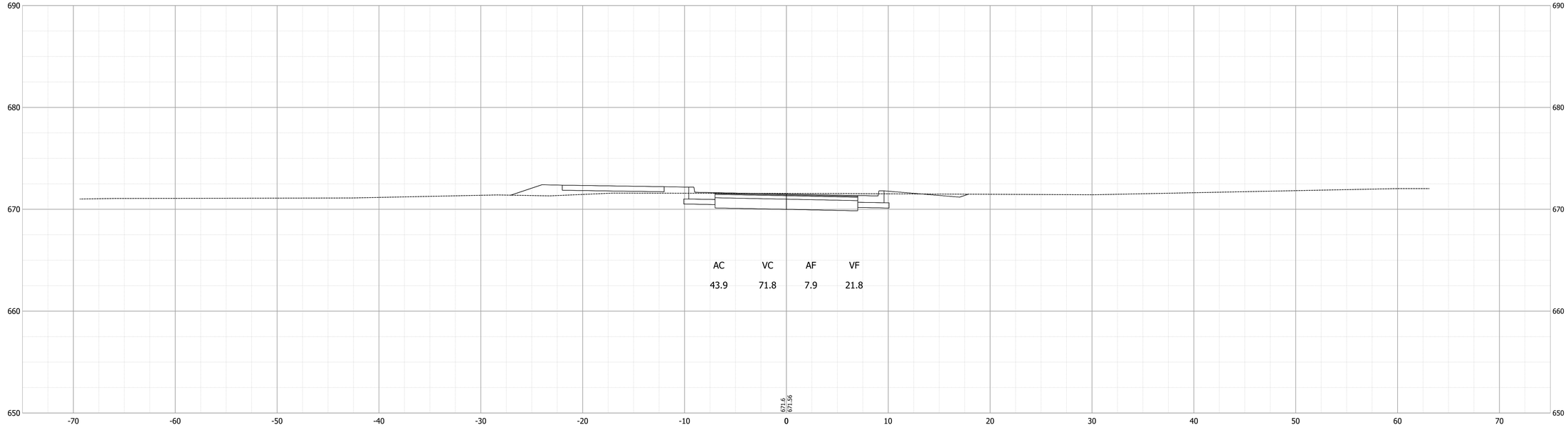
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER 7/28/2020 DATE		INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
			1" = 5'	N/A
			VERTICAL SCALE	DESIGNATION
			1" = 5'	1702835
DESIGNED: KMA	DRAWN: KMA	CROSS SECTIONS LINE "PR-S-4-A"	SURVEY BOOK	SHEETS
			ELECTRONIC	74 of 78
CHECKED: JNH	CHECKED: JNH		CONTRACT	PROJECT
			R-41180	1702835

Date: Sep 14, 2020, 9:15pm User Name: SFisch
File: S:_2019\1702835\Road\CAD\Cross\Sect1\1702835 Cross Sections.dwg

2+50



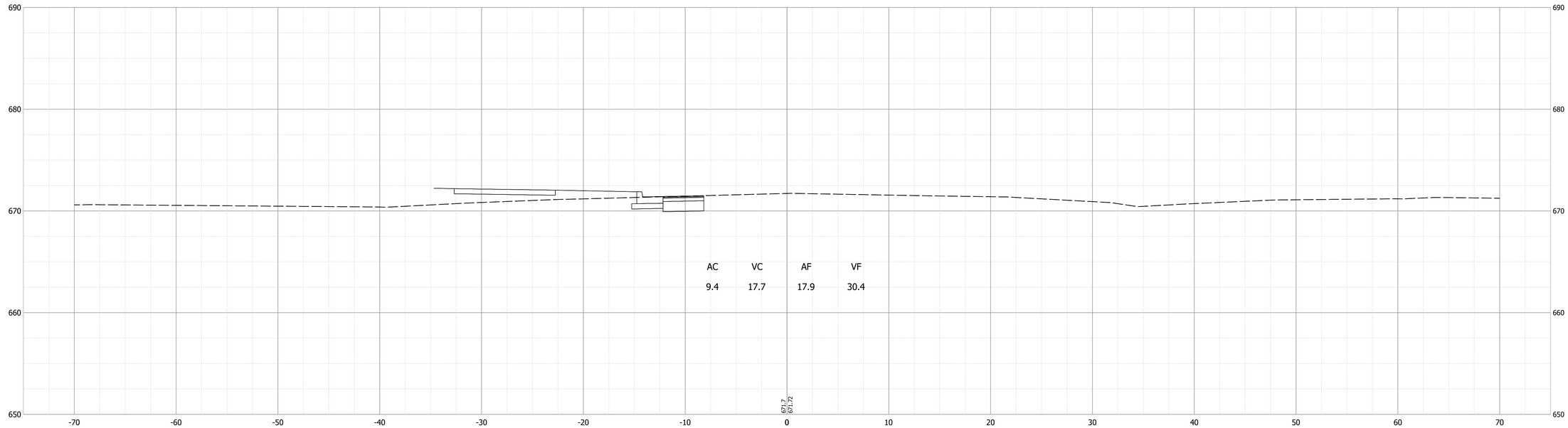
3+00



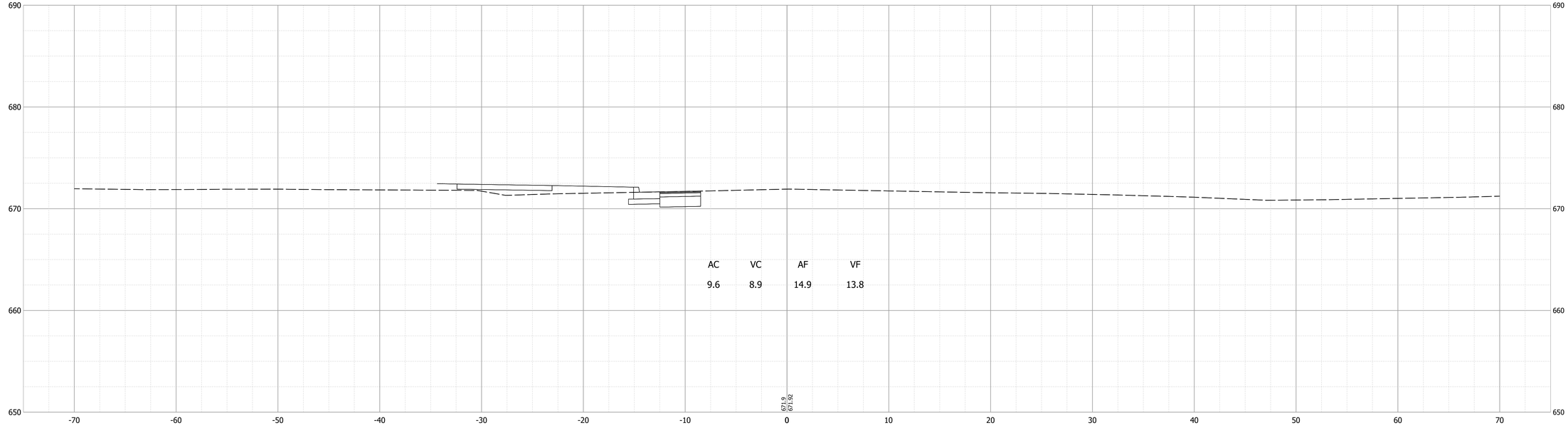
Date: Sep 14, 2020, 9:15pm User Name: SFisch
File: S:_2018\1702835\Road\CAD\Cross\R1702835 Cross Sections.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	7/28/2020 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: 1" = 5' / BRIDGE FILE: N/A
			VERTICAL SCALE: 1" = 5' / DESIGNATION: 1702835
DESIGNED: KMA	DRAWN: KMA	CROSS SECTIONS LINE "PR-S-4-A"	SURVEY BOOK: ELECTRONIC / SHEETS: 75 of 78
CHECKED: JNH	CHECKED: JNH		CONTRACT: R-41180 / PROJECT: 1702835

48+00



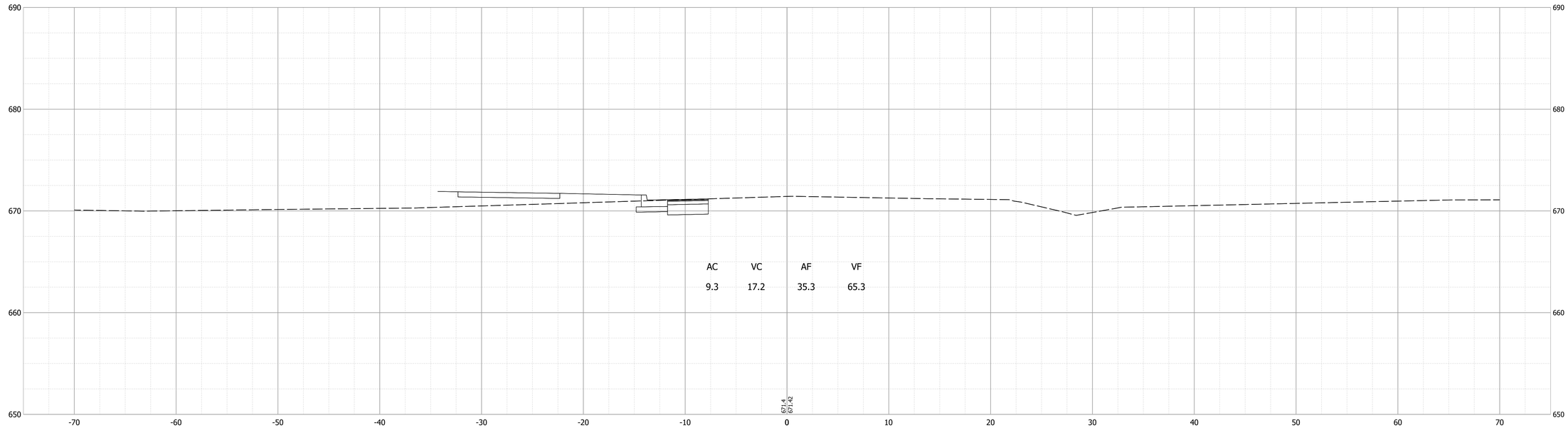
47+50



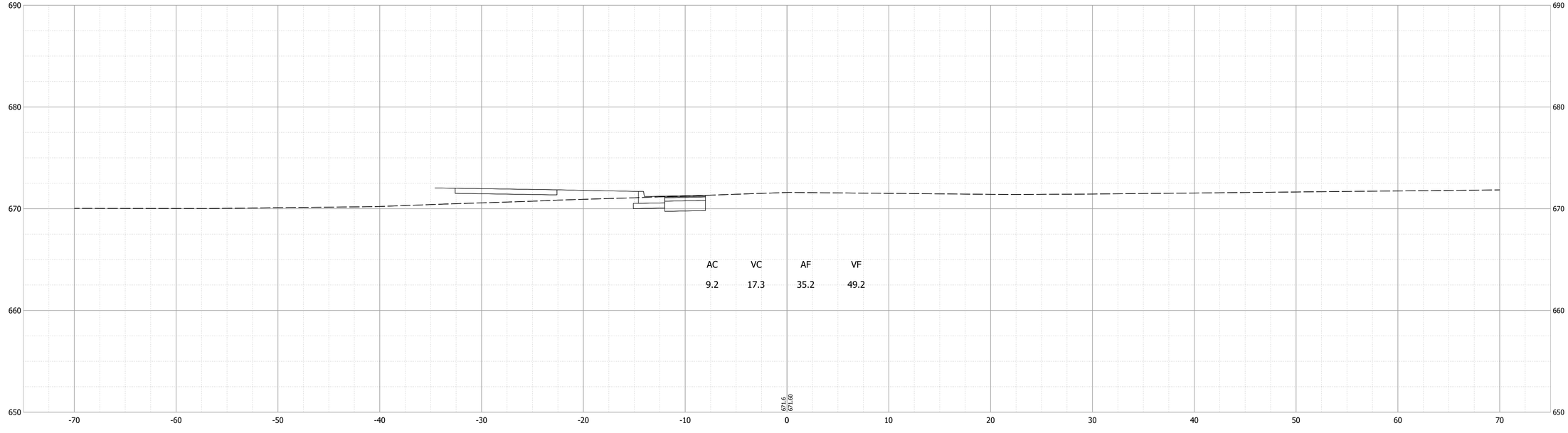
Date: Sep 14, 2020, 9:15pm User Name: SFisch
File: S:_2019\216-6029\Road\CAD\Crosssect\1702835 Cross Sections.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER 7/28/2020 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: ---- / BRIDGE FILE: N/A
		VERTICAL SCALE: ---- / DESIGNATION: 1702835
DESIGNED: KMA / DRAWN: KMA	CROSS SECTIONS LINE "PR-S-4-A"	SURVEY BOOK: ELECTRONIC / SHEETS: 76 of 78
CHECKED: JNH / CHECKED: JNH		CONTRACT: R-41180 / PROJECT: 1702835

49+00



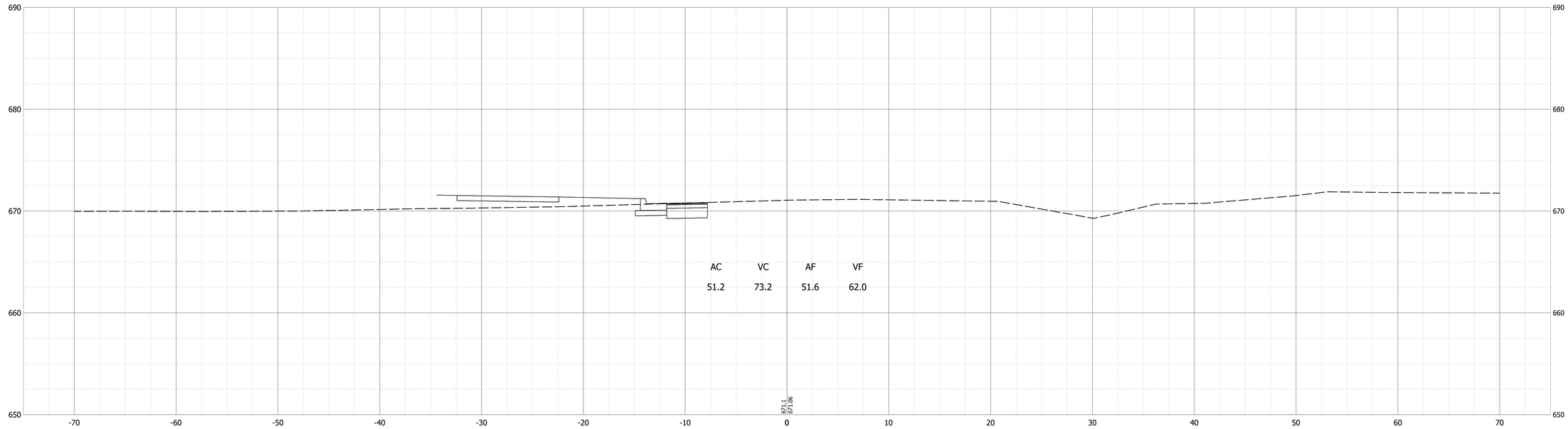
48+50



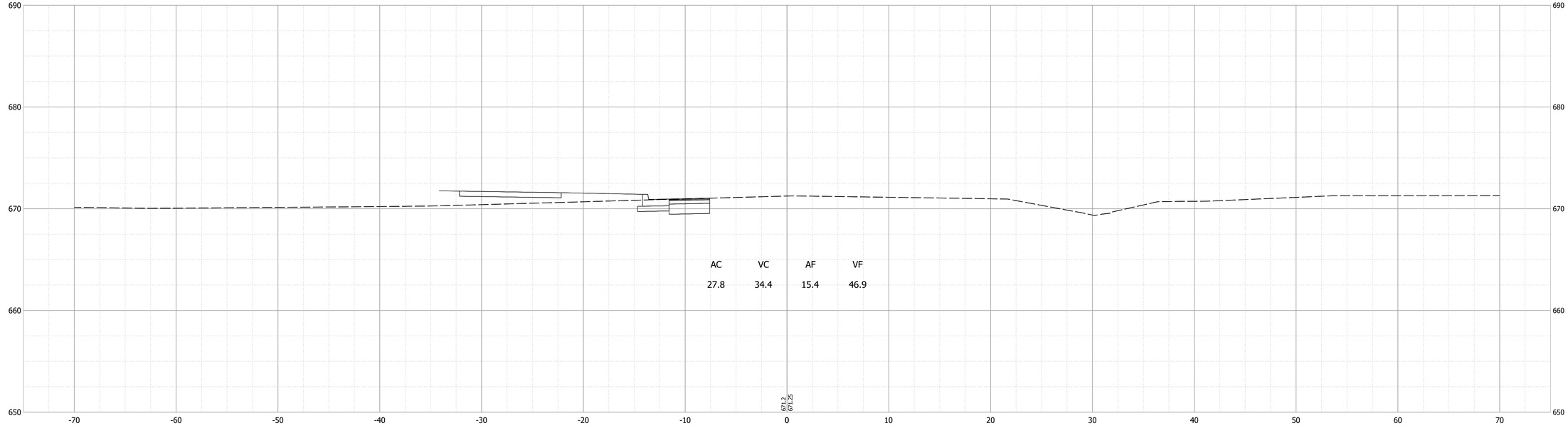
Date: Sep 14, 2020, 9:15pm User Name: SFisch
File: S:_2019\216-6029\Road\CAD\Crosssect\1702835 Cross Sections.dwg

RECOMMENDED FOR APPROVAL	7/28/2020 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: ---- / BRIDGE FILE: N/A
			VERTICAL SCALE: ---- / DESIGNATION: 1702835
DESIGNED: KMA	DRAWN: KMA	CROSS SECTIONS LINE "PR-S-4-A"	SURVEY BOOK: ELECTRONIC / SHEETS: 77 of 78
CHECKED: JNH	CHECKED: JNH		CONTRACT: R-41180 / PROJECT: 1702835

50+00



49+50



Date: Sep 14, 2020, 9:15pm User Name: SFisch
File: S:_2019\216-6029\Road\CAD\Crosssect\1702835 Cross Sections.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER 7/28/2020 DATE		INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: ---- / BRIDGE FILE: N/A
			VERTICAL SCALE: ---- / DESIGNATION: 1702835
DESIGNED: KMA	DRAWN: KMA	CROSS SECTIONS LINE "PR-S-4-A"	SURVEY BOOK: ELECTRONIC / SHEETS: 78 of 78
CHECKED: JNH	CHECKED: JNH		CONTRACT: R-41180 / PROJECT: 1702835