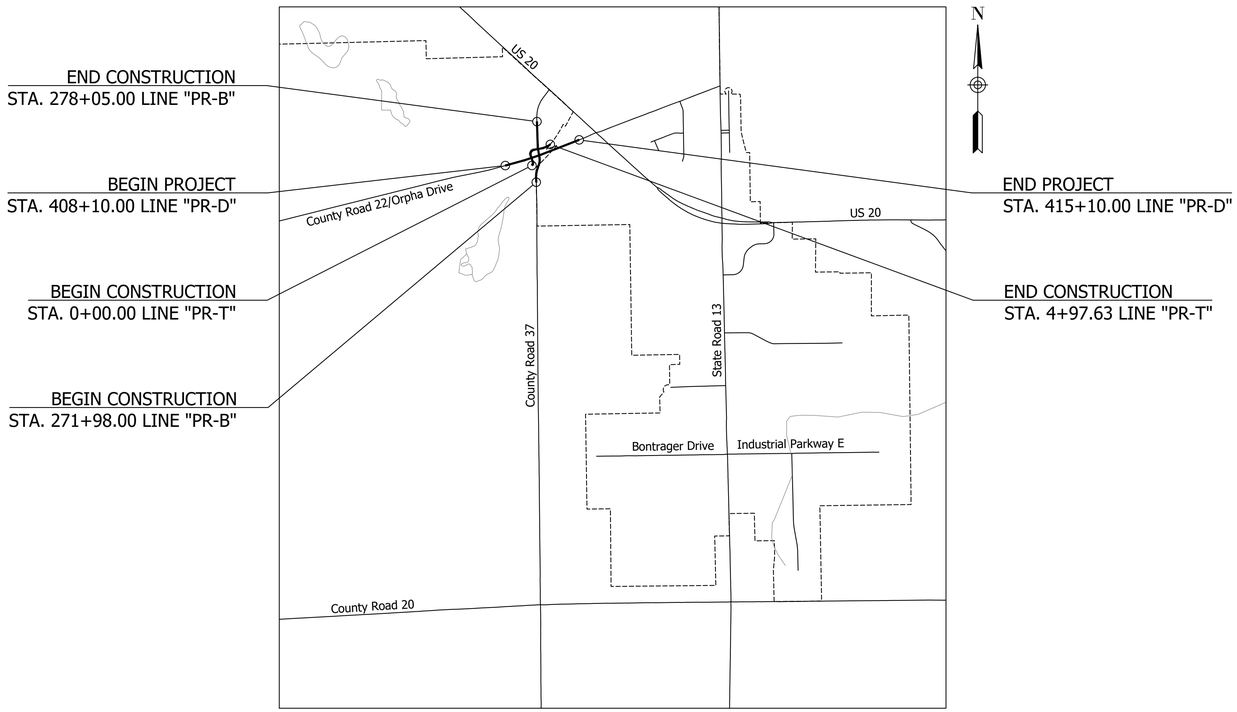
TOWN OF MIDDLEBURY, INDIANA

Intersection Improvements At CR 22/Orpha Dr And CR 37

PROJECT ☐ SEWER ☐ WATER ☒ TRAFFIC ☒ STREET ☐ OTHER ☐ BRIDGE

DRAWING INDEX



LOCHMUELLER GROUP

112 West Jefferson Boulevard, Suite 500
South Bend, Indiana 46601
PHONE: 574.334.5460
TOLL FREE: 800.423.7411

Barbie Swihart Stutzman 9/16/2026

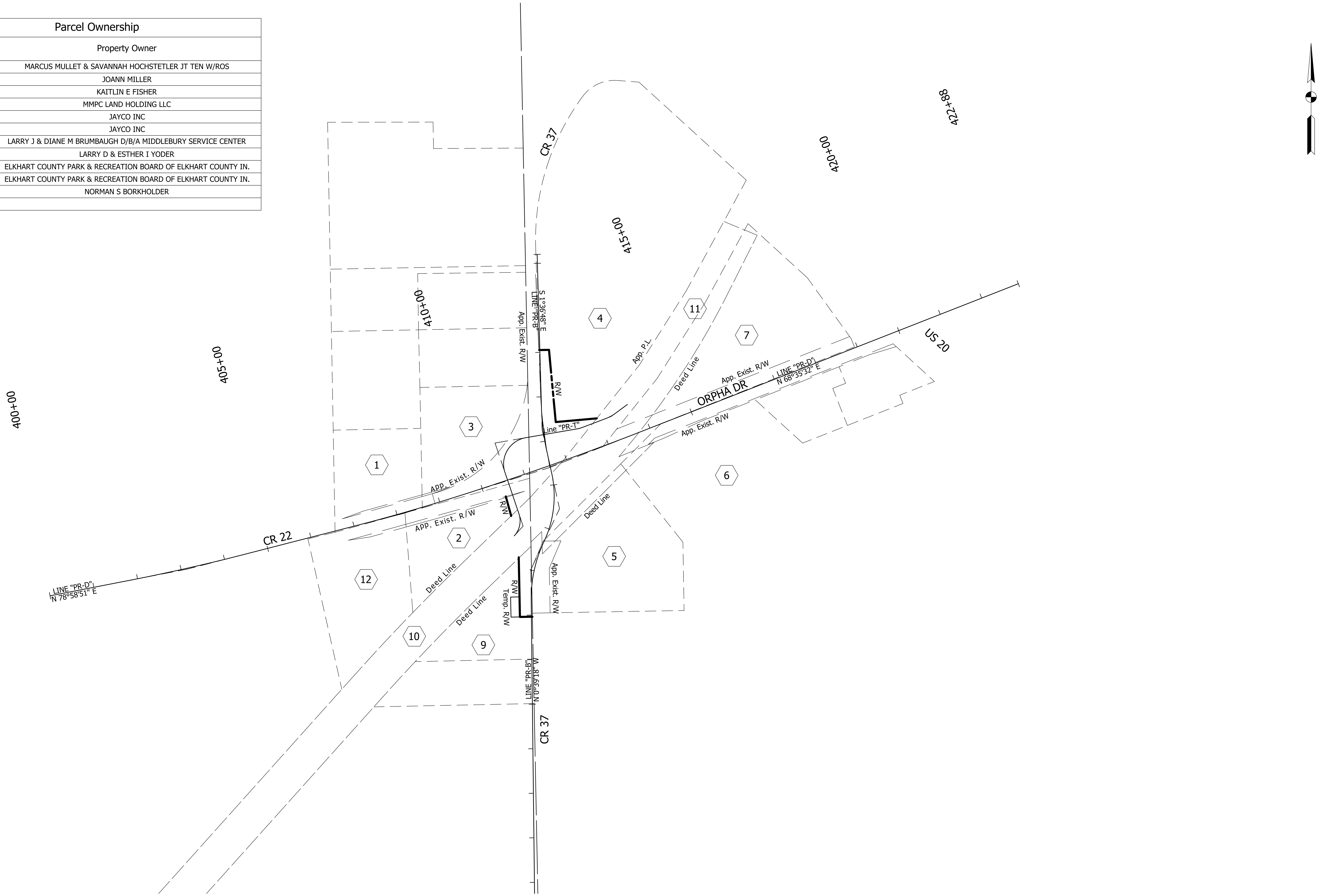
BARBIE SWIHART STUTZMAN, P.E. DATE

BARBARA K. SWIHART STUTZMAN
REGISTERED
No. PE10911254
STATE OF INDIANA
PROFESSIONAL ENGINEER
Lochmueller Group, Inc.

Date: Aug 07, 2026, 11:23am User Name: Bryan Seymour
File: K:\Production\Files\2021\121-0450\C\Orpha Dr\PlanSet\R0_Title.dwg

Parcel Ownership

Parcel Number	Property Owner
1	MARCUS MULLET & SAVANNAH HOCHSTETLER JT TEN W/ROS
2	JOANN MILLER
3	KAITLIN E FISHER
4	MMPC LAND HOLDING LLC
5	JAYCO INC
6	JAYCO INC
7	LARRY J & DIANE M BRUMBAUGH D/B/A MIDDLEBURY SERVICE CENTER
9	LARRY D & ESTHER I YODER
10	ELKHART COUNTY PARK & RECREATION BOARD OF ELKHART COUNTY IN.
11	ELKHART COUNTY PARK & RECREATION BOARD OF ELKHART COUNTY IN.
12	NORMAN S BORKHOLDER



LOCHMUELLER GROUP
112 West Jefferson Boulevard, Suite 500
South Bend, Indiana 46601
PHONE: 574.334.5460
TOLL FREE: 800.423.7411

MIDDLEBURY INDIANA

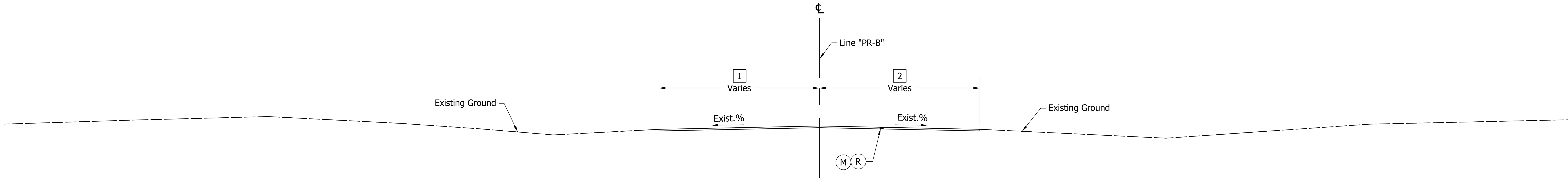
MIDDLEBURY INTERSECTION IMPROVEMENTS

PLAT NO. 1

DRAWN: DJG	CHK'D: BJS	NO.	REVISION	DATE	
DESIGNED: EH	APPRV'D: BSS				
DATE: 09/16/2026					
HORIZ. SCALE: 1" = 100'					
VERT. SCALE: N/A					
PROJECT NUMBER 25003					

BARBARA K. SWIHART STUTZMAN
REGISTERED
No. PE10911254
STATE OF INDIANA
PROFESSIONAL ENGINEER

Barbie Swihart Stutzman
Lochmueller Group, Inc.

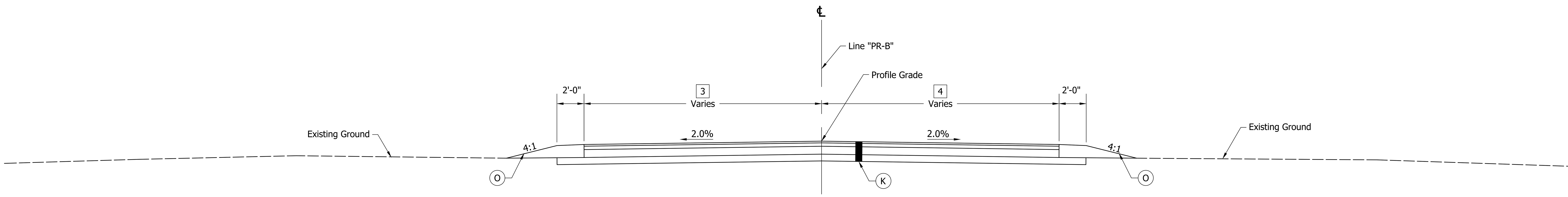


TYPICAL INCIDENTAL SECTION

Sta. 271+48.00 Line "PR-B" To Sta. 271+98.00 Line "PR-B"
Sta. 278+05.00 Line "PR-B" To Sta. 278+55.00 Line "PR-B"

1 Varies 9'-7" @ Sta. 271+48.00 Line "PR-B" To 12'-0" @ Sta. 271+98.00 Line "PR-B"
Varies 12'-0" @ Sta. 278+05.00 Line "PR-B" To 11'-5" @ Sta. 278+55.00 Line "PR-B"

2 Varies 13'-0" @ Sta. 271+48.00 Line "PR-B" To 12'-0" @ Sta. 271+98.00 Line "PR-B"
Varies 12'-0" @ Sta. 278+05.00 Line "PR-B" To 10'-11" @ Sta. 278+55.00 Line "PR-B"

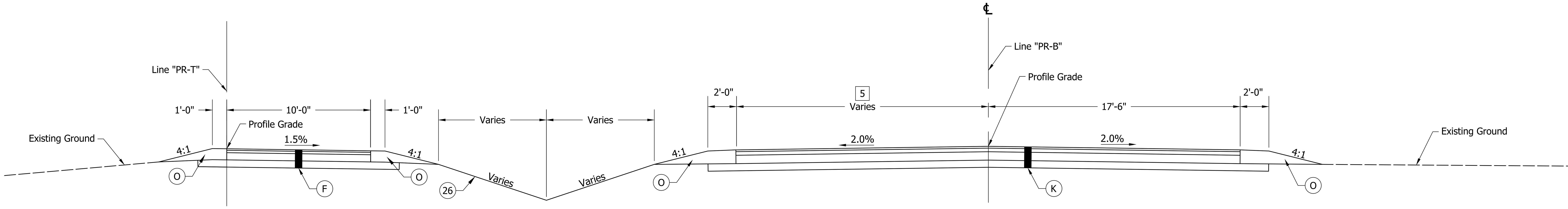


TYPICAL FULL DEPTH SECTION

Sta. 271+98.00 Line "PR-B" To Sta. 273+50 Line "PR-B"
Sta. 276+89.77 Line "PR-B" To Sta. 278+05.00 Line "PR-B"
See Sheets 6 And 7 For Sta. 274+50.00 Line "PR-B" To Sta. 276+89.77 Line "PR-B"

3 Varies 12'-0" @ Sta. 271+98.00 Line "PR-B" To 17-10" @ Sta. 273+50.00 Line "PR-B"
Varies 18'-1" @ Sta. 276+89.77 Line "PR-B" To 12'-0" @ Sta. 278+05.00 Line "PR-B"

4 Varies 12'-0" @ Sta. 271+98.00 Line "PR-B" To 17'-6" @ Sta. 273+50.00 Line "PR-B"
Varies 16'-10" @ Sta. 276+89.77 Line "PR-B" To 12'-0" @ Sta. 278+05.00 Line "PR-B"



TYPICAL FULL DEPTH SECTION

Sta. 273+50.00 Line "PR-B" To Sta. 274+50.00 Line "PR-B"

5 Varies 17'-10" @ Sta. 273+50.50 Line "PR-B" To 21'-6" @ Sta. 274+16.15 Line "PR-B"
Varies 21'-6" @ Sta. 274+16.15 Line "PR-B" To 26'-3" @ Sta. 274+50.00 Line "PR-B"

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

(K) 165 LB/SYS HMA Surface Type C, 19.0 mm on 330 LB/SYS HMA Intermediate Type C, 19.0 mm on 770 LB/SYS HMA Base Type C, 25.0 mm on Subgrade Treatment Type II

(M) Milling Asphalt, 1 1/2 IN.

(O) Compacted Aggregate, No. 53

(R) 165 LB/SYS HMA Surface Type C, 9.5 mm

(26) Mulched Seeding

MIDDLEBURY INDIANA

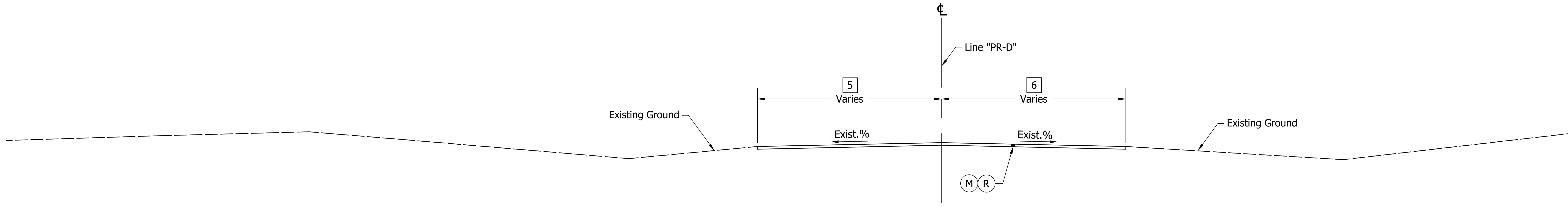
MIDDLEBURY INTERSECTION IMPROVEMENTS

TYPICAL SECTIONS
LINE "PR-B"

DRAWN: DJG	CHK'D: BJS	NO.	REVISION	DATE
DESIGNED: EH	APPRV'D: BSS			
DATE: 09/16/2026				
HORIZ. SCALE: 1/4" = 1'-0"				
VERT. SCALE: 1/4" = 1'-0"				
PROJECT NUMBER 25003				

BARBARA K. SWIHART STUTZMAN REGISTERED No. PE10911254 STATE OF INDIANA PROFESSIONAL ENGINEER

Lochmueller Group, Inc.

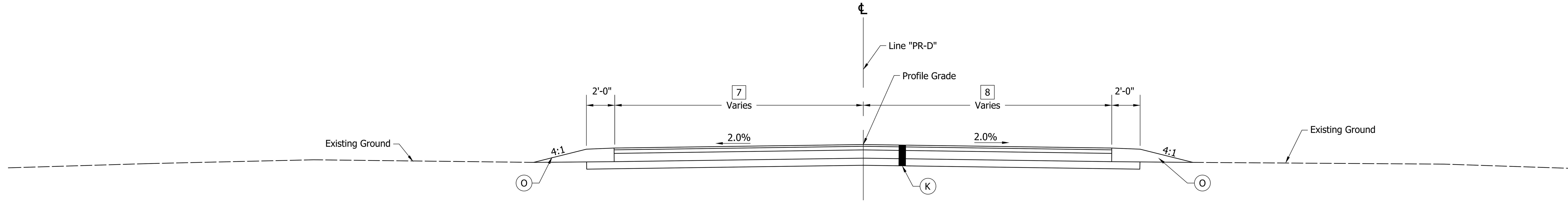


TYPICAL INCIDENTAL SECTION

5 12'-8" Sta. 407+60.00 Line "PR-D" To Sta. 408+10.00 Line "PR-D"
Varies 12'-0" @ Sta. 415+10.00 Line "PR-D" To 12'-4" @ Sta. 415+60.00 Line "PR-D"

Sta. 407+60.00 Line "PR-D" To Sta. 408+10.00 Line "PR-D"
Sta. 415+10.00 Line "PR-D" To Sta. 415+60.00 Line "PR-D"

6 Varies 11'-8" @ Sta. 407+60.00 Line "PR-D" To 12'-0" @ Sta. 408+10.00 Line "PR-D"
Varies 12'-0" @ Sta. 415+10.00 Line "PR-D" To 11'-5" @ Sta. 415+60.00 Line "PR-D"

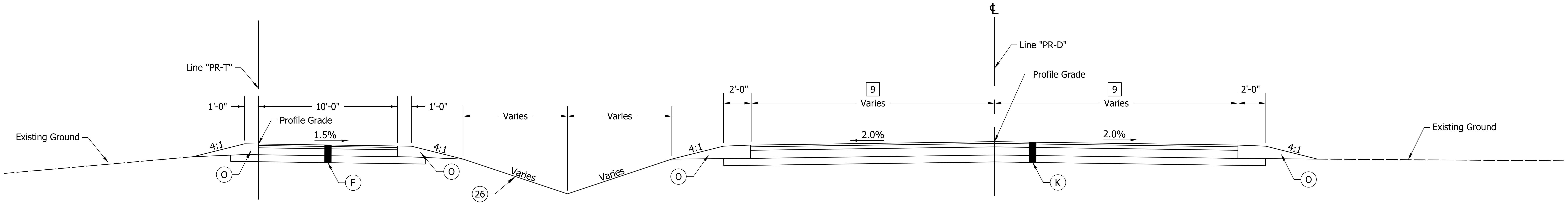


TYPICAL FULL DEPTH SECTION

7 Varies 12'-8" @ Sta. 408+10.00 Line "PR-D" To 17'-5" @ Sta. 410+07.67 Line "PR-D"
17'-6" Sta. 413+53.80 Line "PR-D" To Sta. 413+95.00 Line "PR-D"
Varies 17'-6" @ Sta. 413+95.00 Line "PR-D" To 12'-4" @ Sta. 415+10.00 Line "PR-D"

Sta. 408+10.00 Line "PR-D" To Sta. 410+07.67 Line "PR-D"
Sta. 413+53.80 Line "PR-D" To Sta. 415+10.00 Line "PR-D"
See Sheets 9 And 10 For Sta. 410+07.67 Line "PR-D" To Sta. 412+84.73 Line "PR-D"

8 Varies 12'-0" @ Sta. 408+10.00 Line "PR-D" To 17'-6" @ Sta. 409+25.00 Line "PR-D"
17'-6" Sta. 409+25.00 Line "PR-D" To Sta. 410+07.67 Line "PR-D"
17'-6" Sta. 413+53.80 Line "PR-D" To Sta. 413+95.00 Line "PR-D"
Varies 17'-6" @ Sta. 413+95.00 Line "PR-D" To 11'-7" @ Sta. 415+10.00 Line "PR-D"

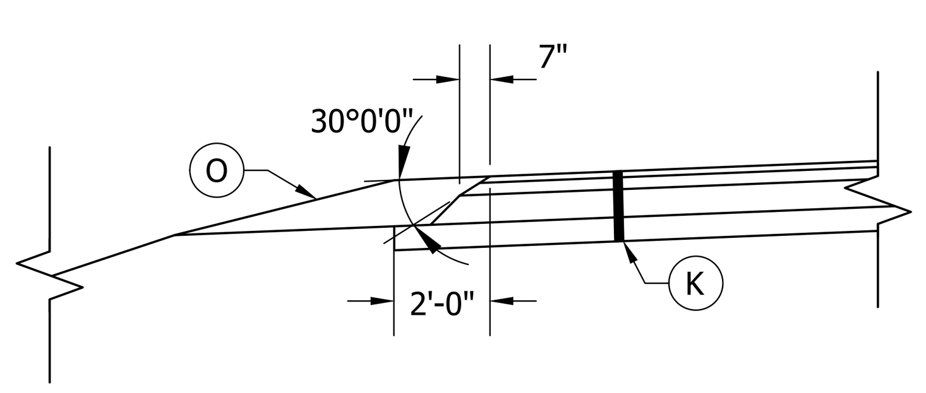


TYPICAL FULL DEPTH SECTION

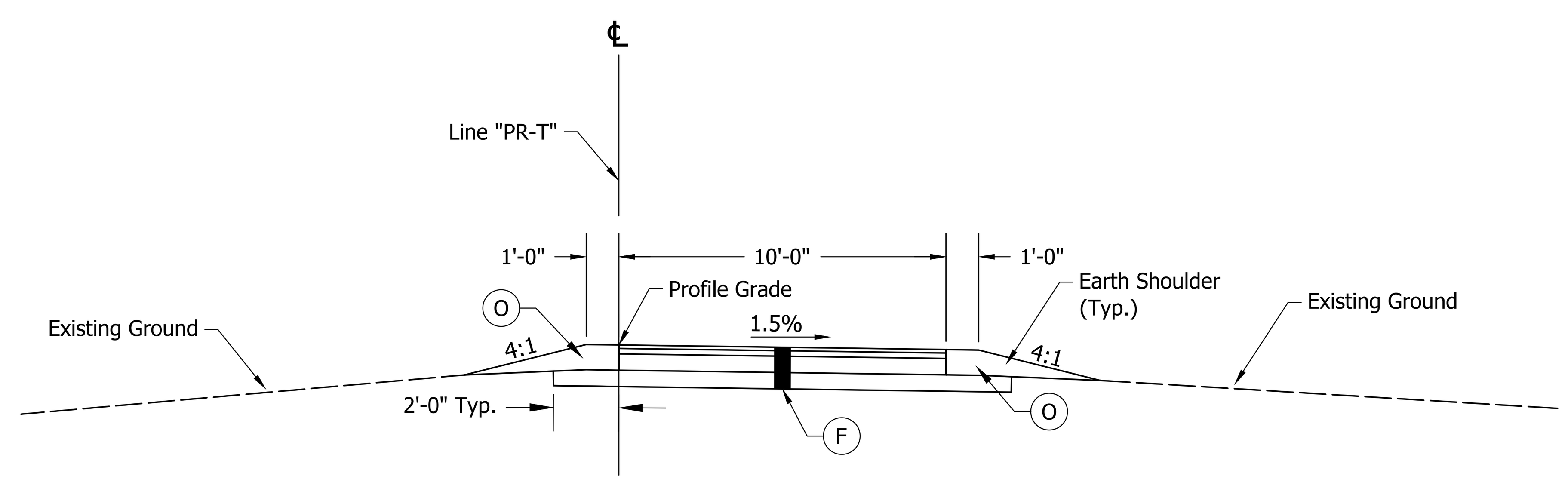
9 Varies 21'-6" @ Sta. 412+34.22 Line "PR-D" To 17'-6" @ Sta. 412+75.63 Line "PR-D"
17'-6" Sta. 412+75.63 Line "PR-D" To Sta. 413+53.80 Line "PR-D"

Sta. 412+34.22 Line "PR-D" To Sta. 413+53.80 Line "PR-D"

10 Varies 21'-6" @ Sta. 412+34.22 Line "PR-D" To 17'-6" @ Sta. 412+84.73 Line "PR-D"
17'-6" Sta. 412+84.73 Line "PR-D" To Sta. 413+53.80 Line "PR-D"



SAFETY EDGE DETAIL



TYPICAL FULL DEPTH SECTION

Sta. 0+00.00 Line "PR-T" To Sta. 1+11.72 Line "PR-T"
Sta. 1+52.47 Line "PR-T" To Sta. 2+74.72 Line "PR-T"
Sta. 3+17.42 Line "PR-T" To Sta. 4+97.63 Line "PR-T"

F HMA for Sidewalk Consisting of 140 LB/SYS HMA Surface, Type B, on 220 LB/SYS HMA Intermediate, Type B on 6" Compacted Aggregate No. 53, Base on Subgrade Treatment Type III

K 165 LB/SYS HMA Surface Type C, 19.0 mm on 330 LB/SYS HMA Intermediate Type C, 19.0 mm on 770 LB/SYS HMA Base Type C, 25.0 mm on Subgrade Treatment Type II

M Milling Asphalt, 1 1/2 IN.

O Compacted Aggregate, No. 53

R 165 LB/SYS HMA Surface Type C, 9.5 mm

26 Mulched Seeding

MIDDLEBURY INDIANA

MIDDLEBURY INTERSECTION IMPROVEMENTS

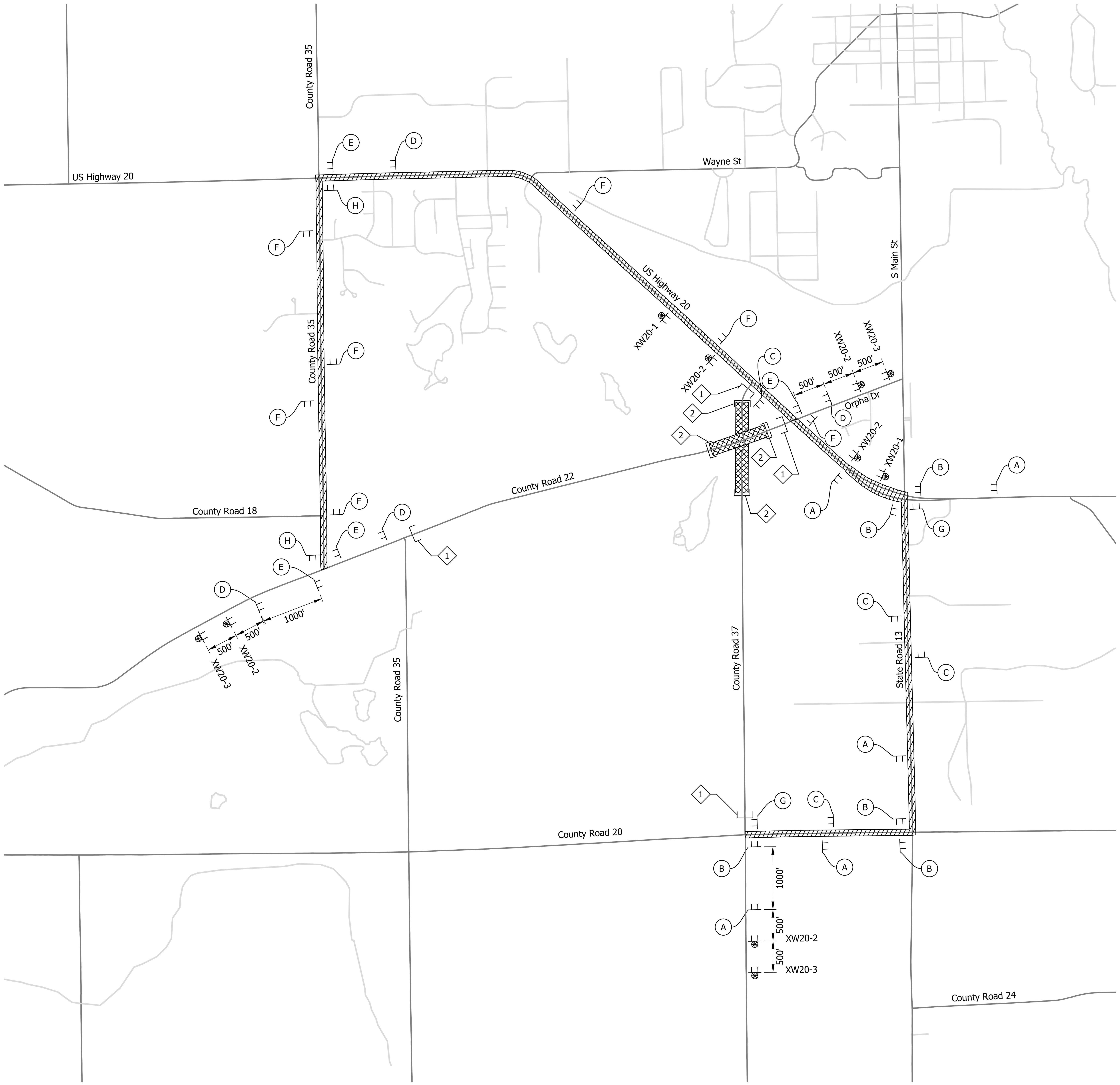
TYPICAL SECTIONS
LINES "PR-B" AND "PR-D"

DRAWN: DJG	CHK'D: BJS	NO.	REVISION	DATE
DESIGNED: EH	APPRV'D: BSS			
DATE: 09/16/2026				
HORIZ. SCALE: 1/4" = 1'-0"				
VERT. SCALE: 1/4" = 1'-0"				
PROJECT NUMBER 25003				

BARBARA K. SWIHART STUTZMAN
REGISTERED
No. PE10911254
STATE OF INDIANA
PROFESSIONAL ENGINEER

Barbie Swihart Stutzman

Lochmueller Group, Inc.

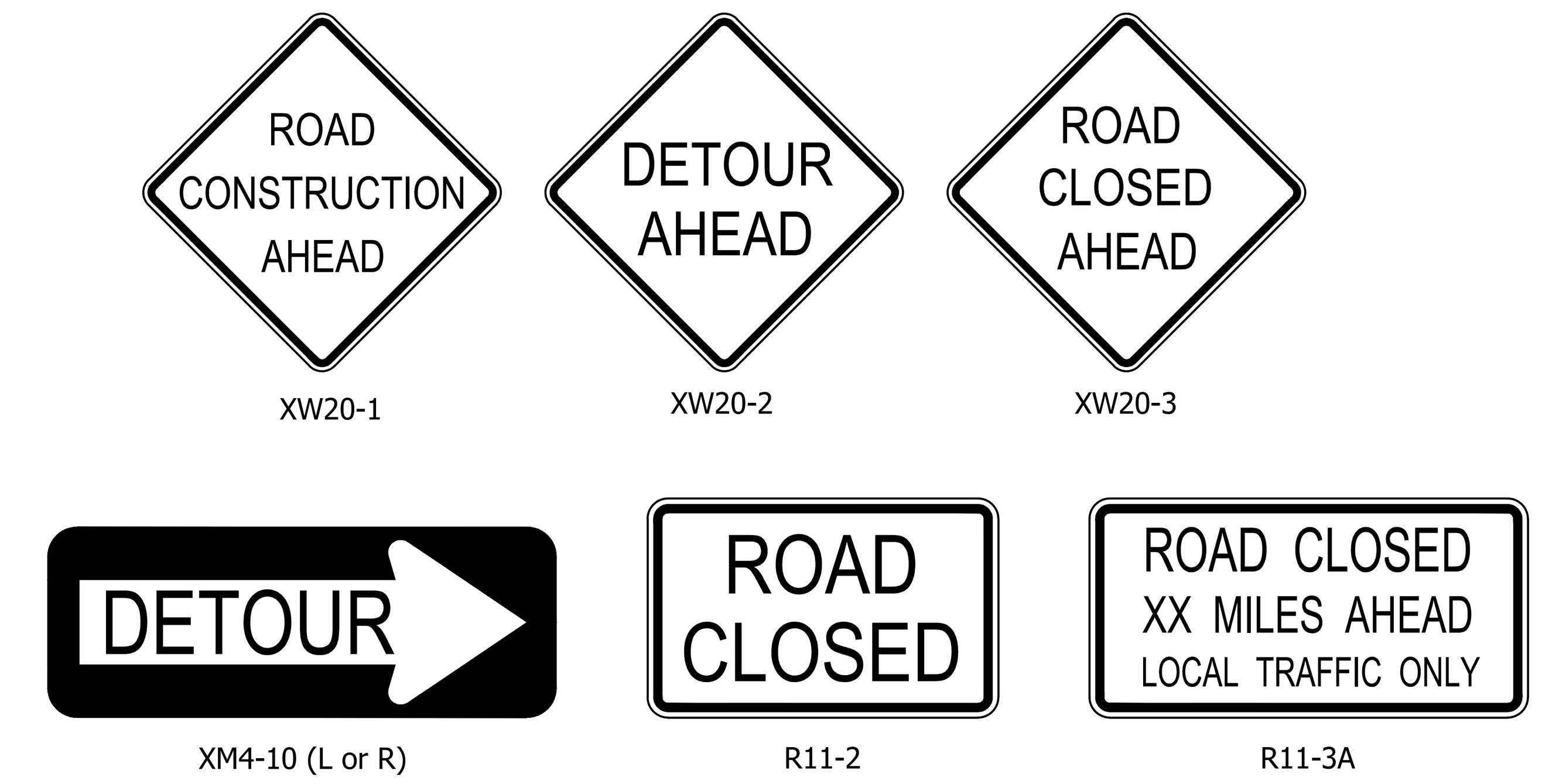


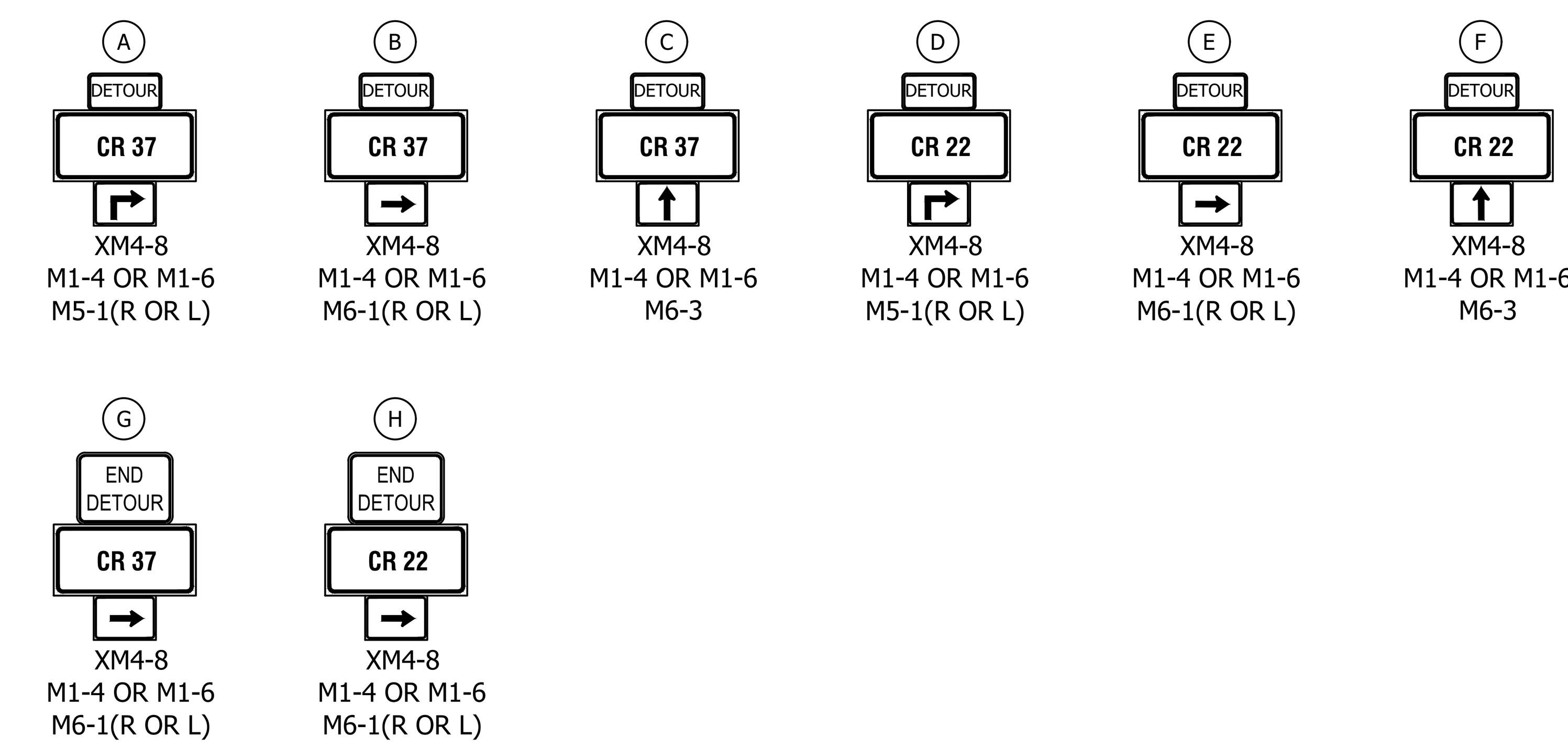
CONSTRUCTION SIGN SCHEDULE				
	DESCRIPTION	SIZE (IN)	TYPE	QUANTITY
R11-2	"ROAD CLOSED" SIGN	48 x 30	(1)	4
R11-3A	"ROAD CLOSED XX MILES AHEAD" SIGN	60 x 30	(1)	4
XM4-10 (L or R)	"DETOUR" SIGN	48 x 18	(1)	4
XW20-1	"ROAD CONSTRUCTION AHEAD" SIGN	48 x 48	A	2
XW20-2	"DETOUR AHEAD" SIGN	48 x 48	A	5
XW20-3	"ROAD CLOSED AHEAD" SIGN	48 x 48	A	3
XG20-2	"END CONSTRUCTION" SIGN	36 x 18	B	0
			TOTAL TYPE "A" SIGNS	10
			TOTAL TYPE "B" SIGNS	0

Detour Route Marker Assemblies: 33 Req'd
Road Closure Sign Assemblies: 8 Req'd
Type III-A Barricades: 96 Lft.
Type III-B Barricades: 48 Lft.

(1) Included with road closure sign assembly.

LEGEND





1 ROAD CLOSURE SIGN ASSEMBLY W/ TYPE III-B BARRICADE (12 LFT.) AND R11-3A AND XM4-10 (L OR R)

2 ROAD CLOSURE SIGN ASSEMBLY W/ TYPE III-A BARRICADE (24 LFT.) AND R11-2

GENERAL 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. Drwg. 801-TCDT-01 for sign spacing requirements and additional notes.
3. See INDOT Std. Drwg. 801-TCLG-01 for standard notes.
4. Type B construction warning lights shall be used with all signs located on barricades. Type A construction warning lights shall be used on all other construction signs.

CONSTRUCTION ZONE
DETOUR ROUTE

LOCHMUELLER GROUP
112 West Jefferson Boulevard, Suite 500
South Bend, Indiana 46601
PHONE: 574.334.5460
TOLL FREE: 800.423.7411

MIDDLEBURY INDIANA

MIDDLEBURY INTERSECTION IMPROVEMENTS

MAINTENANCE OF TRAFFIC
DETOUR ROUTE

DRAWN: DJG	CHK'D: BJS	NO.	REVISION	DATE	
DESIGNED: EH	APPRV'D: BSS				
DATE: 09/16/2026					
HORIZ. SCALE: N.T.S.					
VERT. SCALE: N/A					
PROJECT NUMBER 25003					

BARBARA K. SWIHART STUTZMAN, REGISTERED No. PE10911254, STATE OF INDIANA, PROFESSIONAL ENGINEER

Lochmueller Group, Inc.

267+00
268+00
269+00
270+00
271+00
272+00
273+00
MARY E & STEVEN L YODER (20-08-16-478-004.000-034)
TRI-COUNTY LAND TRUSTEE CORP (20-08-16-478-005.000-034)
SEC. 16, T37N, R7E MIDDLEBURY TWP. ELKHART CO.
LARRY D & ESTHER I YODER (20-08-16-478-001.000-034)
+17.93 Class IV Dr. W = 33.8'
Deed Line
Temp. R/W
Const. Limits
R/W
BM #712
App. P. L.
28.0'
15.9'
(Grass)
(Stone)
9.8'
12'
13'
PC 272+33.36
CR 37
N 0°39'18" W
LINE "PR-B"
Sec. Line
(Asph.)
BEGIN INCIDENTAL CONSTRUCTION
P.O.T. 271+48.00 "PR-B"
BEGIN CONSTRUCTION
P.O.T. 271+98.00 "PR-B"
+07, 7'Rt STR. NO. S-2-9
SEE DETAIL SHEETS
+72, 5'Rt STR. NO. S-2-10
SEE DETAIL SHEETS
App. Exist. R/W
CP #112 5/8" Rebar with A&Z Control Cap
916.46
272+63.62 Line 'PR-B'
19.91' RT
SEC. 15, T37N, R7E MIDDLEBURY TWP. ELKHART CO.
JAYCO INC AN IND CORP (20-08-15-351-007.000-035)
JAYCO INC (20-08-15-351-001.000-035)
Note: All R/W described off section line unless otherwise noted.
930
920
910
900
890
BM #712 - Mag spike in west face of PWP
Sta. 272+77.9, 22.6' Lt. of Line 'PR-B'
Elev. 918.39
P.V.I. Sta. = 273+00.00
Elev. = 917.50
V.C. = 120.00'
STA=271+98.00
ELEV=917.40
BEGIN CONSTRUCTION
Proposed Profile Line 'PR-B'
Existing Grade
+0.10%
S-2-9
S-2-10
8" PVC
916.7
917.5
917.40
917.7
917.44
917.3
917.22

(C1)	PCCP for Approaches, 9 IN., on Dense Graded Subbase, 6 IN., on Geogrid Type 1B on Subgrade Treatment Type II (6 IN. Coarse Aggregate No. 53)
(K)	165 LB/SYS HMA Surface Type C, 19.0 mm on 330 LB/SYS HMA Intermediate Type C, 19.0 mm on 770 LB/SYS HMA Base Type C, 25.0 mm on Subgrade Treatment Type II
(M)	Milling Asphalt, 1 1/2 IN.
(R)	165 LB/SYS HMA Surface Type C, 9.5 mm

MIDDLEBURY — INDIANA

MIDDLEBURY INTERSECTION IMPROVEMENTS

PLAN & PROFILE - LINE "PR-B"
STA. 267+00 TO STA. 273+00

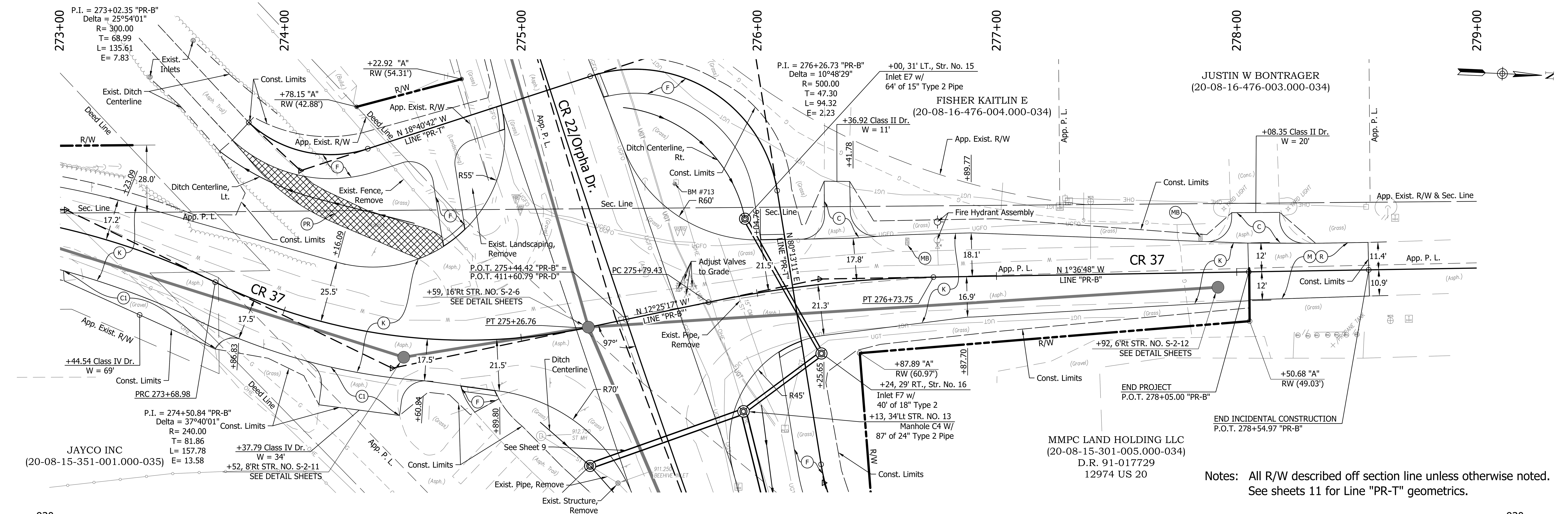
DRAWN: DJG	CHK'D: BJS
DESIGNED: EH	APPRV'D: BSS
DATE: 09/16/2026	
HORIZ. SCALE: 1" = 20'	
VERT. SCALE: 1" = 5'	
PROJECT NUMBER 25003	

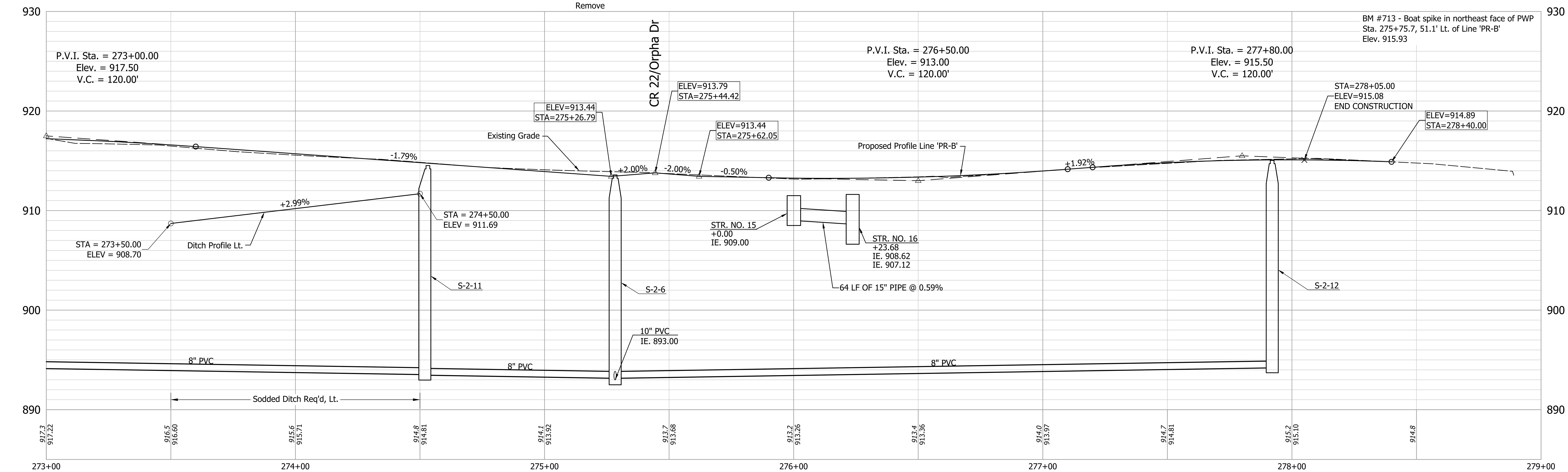
NO.	REVISION	DATE

BARBARA K. SWIHART STUTZMAN REGISTERED No. PE10911254 STATE OF INDIANA PROFESSIONAL ENGINEER

Barbie Swihart Stutzman

Lochmueller Group, Inc.





(C) PCCP for Approaches, 6 IN., on Dense Graded Subbase, 6 IN., on Subgrade Treatment, Type II

(K) 165 LB/SYS HMA Surface Type C, 19.0 mm on 330 LB/SYS HMA Intermediate Type C, 19.0 mm on 770 LB/SYS HMA Base Type C, 25.0 mm on Subgrade Treatment Type II

(M) Milling Asphalt, 1 1/2 IN.

(R) 165 LB/SYS HMA Surface Type C, 9.5 mm

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

(MB) Mailbox Assembly, Single

(PR) Pavement Removal

MIDDLEBURY | INDIANA

MIDDLEBURY INTERSECTION IMPROVEMENTS

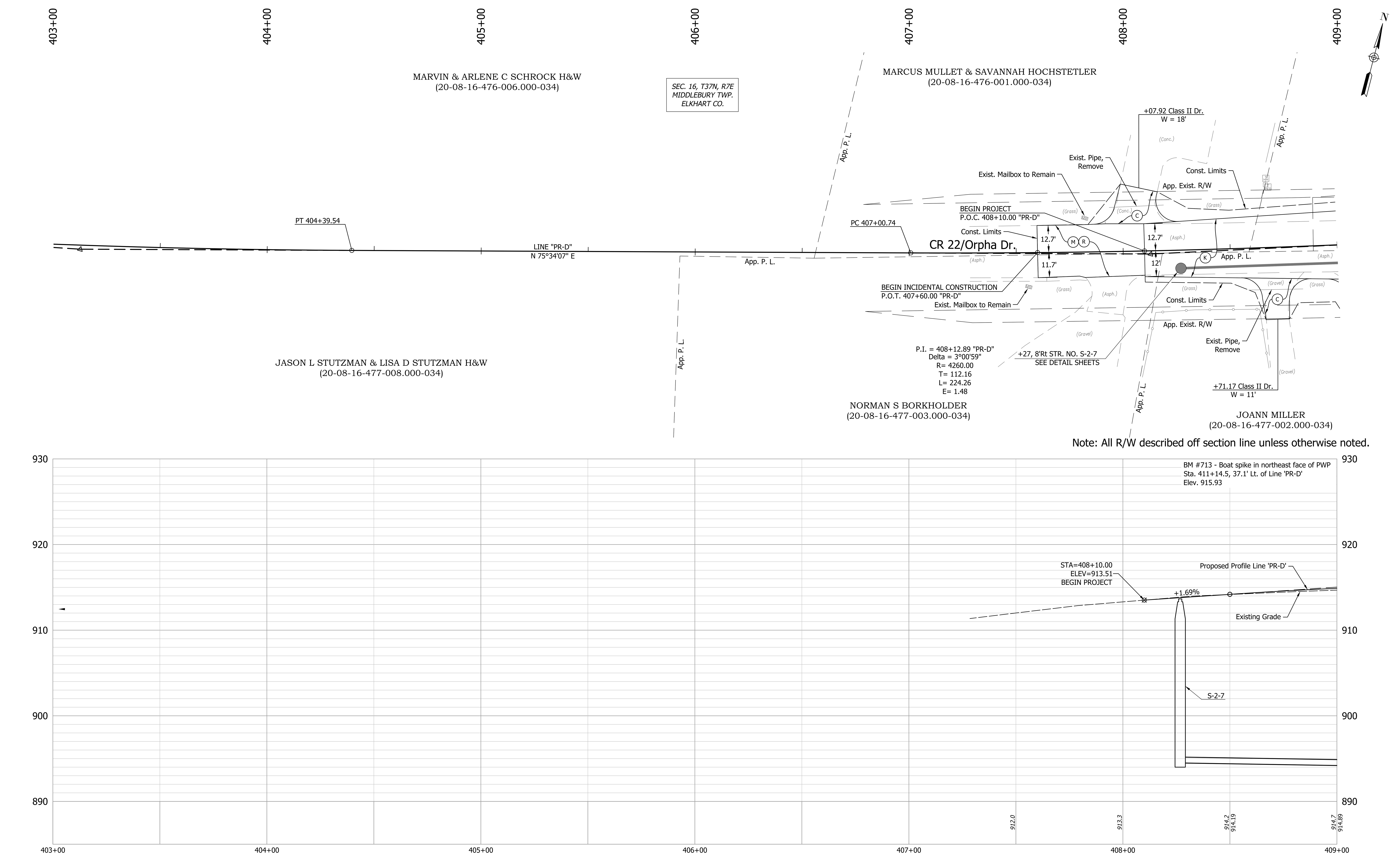
PLAN & PROFILE - LINE "PR-B"
STA. 273+00 TO STA. 279+00

DRAWN: DJG	CHK'D: BJS
DESIGNED: EH	APPRV'D: BSS
DATE: 09/16/2026	
HORIZ. SCALE: 1" = 20'	
VERT. SCALE: 1" = 5'	
PROJECT NUMBER 25003	

NO.	REVISION	DATE

BARBARA K. SWIHART STUTZMAN, REGISTERED No. PE10911254, STATE OF INDIANA, PROFESSIONAL ENGINEER

Lochmueller Group, Inc.



(C)	PCCP for Approaches, 6 IN., on Dense Graded Subbase, 6 IN., on Subgrade Treatment, Type II	
(K)	165 LB/SYS HMA Surface Type C, 19.0 mm on 330 LB/SYS HMA Intermediate Type C, 19.0 mm on 770 LB/SYS HMA Base Type C, 25.0 mm on Subgrade Treatment Type II	
(M)	Milling Asphalt, 1 1/2 IN.	
(R)	165 LB/SYS HMA Surface Type C, 9.5 mm	

MIDDLEBURY — INDIANA

MIDDLEBURY INTERSECTION IMPROVEMENTS

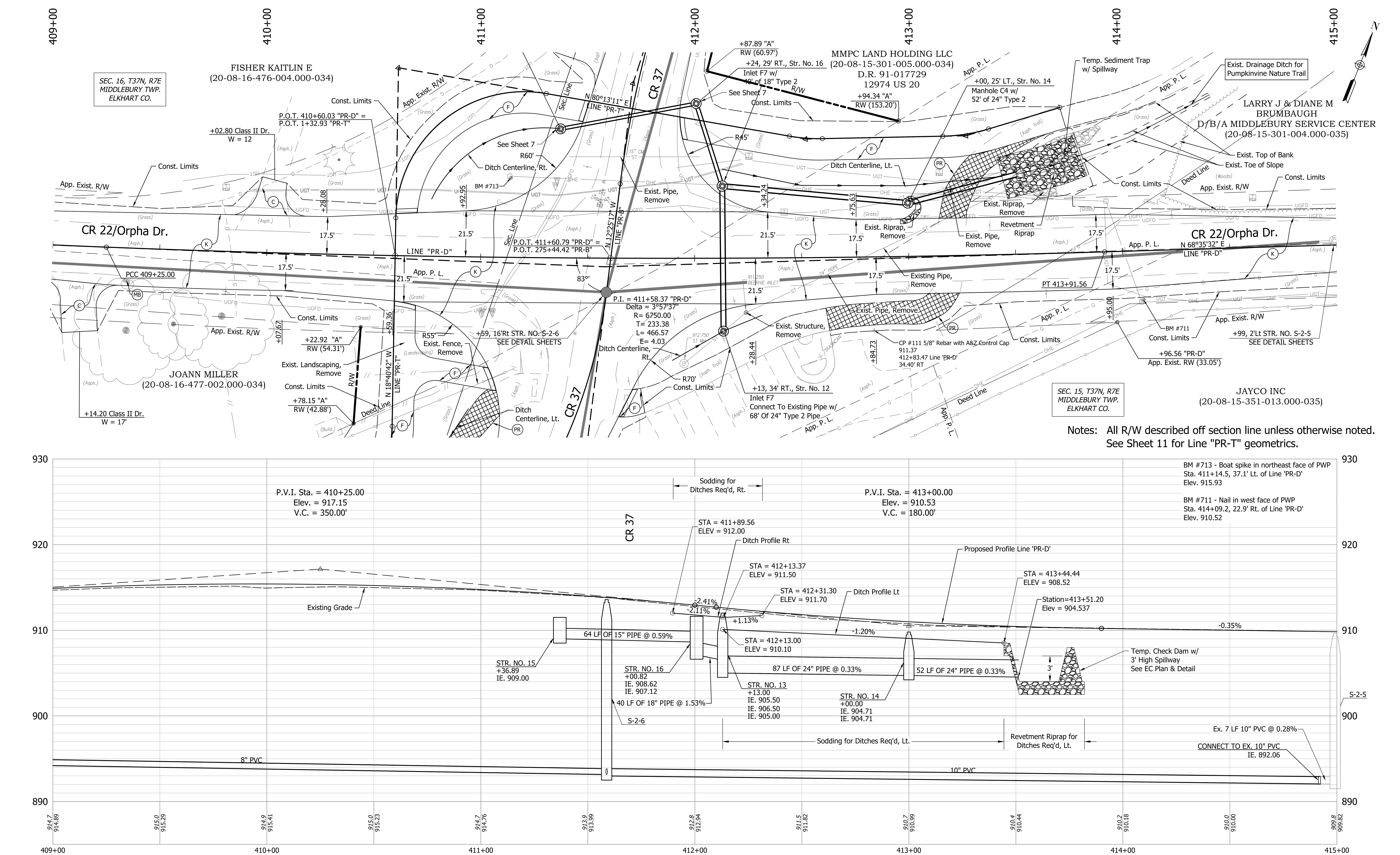
PLAN & PROFILE - LINE "PR-D"
STA. 403+00 TO STA. 409+00

DRAWN: DJG	CHK'D: BJS
DESIGNED: EH	APPRV'D: BSS
DATE: 09/16/2026	
HORIZ. SCALE: 1" = 20'	
VERT. SCALE: 1" = 5'	
PROJECT NUMBER 25003	

NO.	REVISION	DATE

BARBARA K. SWIHART STUTZMAN — REGISTERED No. PE10911254 — STATE OF INDIANA — PROFESSIONAL ENGINEER

Lochmueller Group, Inc.


409+00
410+00
411+00
412+00
413+00
414+00
415+00
FISHER KAITLIN E
(20-08-16-476-004.000-034)
SEC. 16, T37N, R7E
MIDDLEBURY TWP.
ELKHART CO.
MMPC LAND HOLDING LLC
(20-08-15-301-005.000-034)
D.R. 91-017729
12974 US 20
LARRY J & DIANE M
BRUMBAUGH
D/B/A MIDDLEBURY SERVICE CENTER
(20-08-15-301-004.000-035)
JOANN MILLER
(20-08-16-477-002.000-034)
SEC. 15, T37N, R7E
MIDDLEBURY TWP.
ELKHART CO.
JAYCO INC
(20-08-15-351-013.000-035)
CR 22/Orpha Dr.
CR 37
LINE "PR-D"
LINE "PR-T"
N 80°13'11" E
N 68°35'32" E
N 12°25'17" W
N 18°40'42" W
P.O.T. 410+60.03 "PR-D" =
P.O.T. 1+32.93 "PR-T"
P.O.T. 411+60.79 "PR-D" =
P.O.T. 275+44.42 "PR-B"
P.I. = 411+58.37 "PR-D"
Delta = 3°57'37"
R= 6750.00
T= 233.38
L= 466.57
E= 4.03
PCC 409+25.00
PT 413+91.56
+87.89 "A"
RW (60.97')
+24, 29' RT., Str. No. 16
Inlet F7 w/
40' of 18" Type 2
+94.34 "A"
RW (153.20')
+00, 25' LT., Str. No. 14
Manhole C4 w/
52' of 24" Type 2
+13, 34' RT., Str. No. 12
Inlet F7
Connect To Existing Pipe w/
68' Of 24" Type 2 Pipe
+59, 16'Rt STR. NO. S-2-6
SEE DETAIL SHEETS
+99, 2'Lt STR. NO. S-2-5
SEE DETAIL SHEETS
+96.56 "PR-D"
App. Exist. RW (33.05')
+22.92 "A"
RW (54.31')
+78.15 "A"
RW (42.88')
+02.80 Class II Dr.
W = 12
+14.20 Class II Dr.
W = 17'
CP #111 5/8" Rebar with A&Z Control Cap
911.37
412+83.47 Line 'PR-D'
34.40' RT
Temp. Sediment Trap
w/ Spillway
Exist. Drainage Ditch for
Pumpkinvine Nature Trail
Exist. Top of Bank
Exist. Toe of Slope
Const. Limits
App. Exist. R/W
Ditch Centerline, Rt.
Ditch Centerline, Lt.
Exist. Pipe, Remove
Exist. Riprap, Remove
Revetment Riprap
Existing Pipe, Remove
Exist. Structure, Remove
Exist. Fence, Remove
Exist. Landscaping, Remove
See Sheet 7
Deed Line
Sec. Line
App. P. L.
BM #713
BM #711
Notes: All R/W described off section line unless otherwise noted.
See Sheet 11 for Line "PR-T" geometrics.
P.V.I. Sta. = 410+25.00
Elev. = 917.15
V.C. = 350.00'
P.V.I. Sta. = 413+00.00
Elev. = 910.53
V.C. = 180.00'
Sodding for
Ditches Req'd, Rt.
BM #713 - Boat spike in northeast face of PWP
Sta. 411+14.5, 37.1' Lt. of Line 'PR-D'
Elev. 915.93
BM #711 - Nail in west face of PWP
Sta. 414+09.2, 22.9' Rt. of Line 'PR-D'
Elev. 910.52
STA = 411+89.56
ELEV = 912.00
Ditch Profile Rt
STA = 412+13.37
ELEV = 911.50
STA = 412+31.30
ELEV = 911.70
Ditch Profile Lt
STA = 412+13.00
ELEV = 910.10
Proposed Profile Line 'PR-D'
STA = 413+44.44
ELEV = 908.52
Station=413+51.20
Elev = 904.537
Existing Grade
-2.41%
-2.11%
+1.13%
-1.20%
-0.35%
64 LF OF 15" PIPE @ 0.59%
87 LF OF 24" PIPE @ 0.33%
52 LF OF 24" PIPE @ 0.33%
40 LF OF 18" PIPE @ 1.53%
STR. NO. 15
+36.89
IE. 909.00
STR. NO. 16
+00.82
IE. 908.62
IE. 907.12
STR. NO. 13
+13.00
IE. 905.50
IE. 906.50
IE. 905.00
STR. NO. 14
+00.00
IE. 904.71
IE. 904.71
S-2-6
S-2-5
Temp. Check Dam w/
3' High Spillway
See EC Plan & Detail
Sodding for Ditches Req'd, Lt.
Revetment Riprap for
Ditches Req'd, Lt.
Ex. 7 LF 10" PVC @ 0.28%
CONNECT TO EX. 10" PVC
IE. 892.06
8" PVC
10" PVC
930
920
910
900
890
914.7 914.89
915.0 915.29
914.9 915.41
915.0 915.23
914.7 914.76
913.9 913.99
912.8 912.94
911.5 911.82
910.7 910.99
910.4 910.44
910.2 910.18
910.0 910.00
909.8 909.82

(C) PCCP for Approaches, 6 IN., on Dense Graded Subbase, 6 IN., on Subgrade Treatment, Type II

(K) 165 LB/SYS HMA Surface Type C, 19.0 mm on 330 LB/SYS HMA Intermediate Type C, 19.0 mm on 770 LB/SYS HMA Base Type C, 25.0 mm on Subgrade Treatment Type II

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

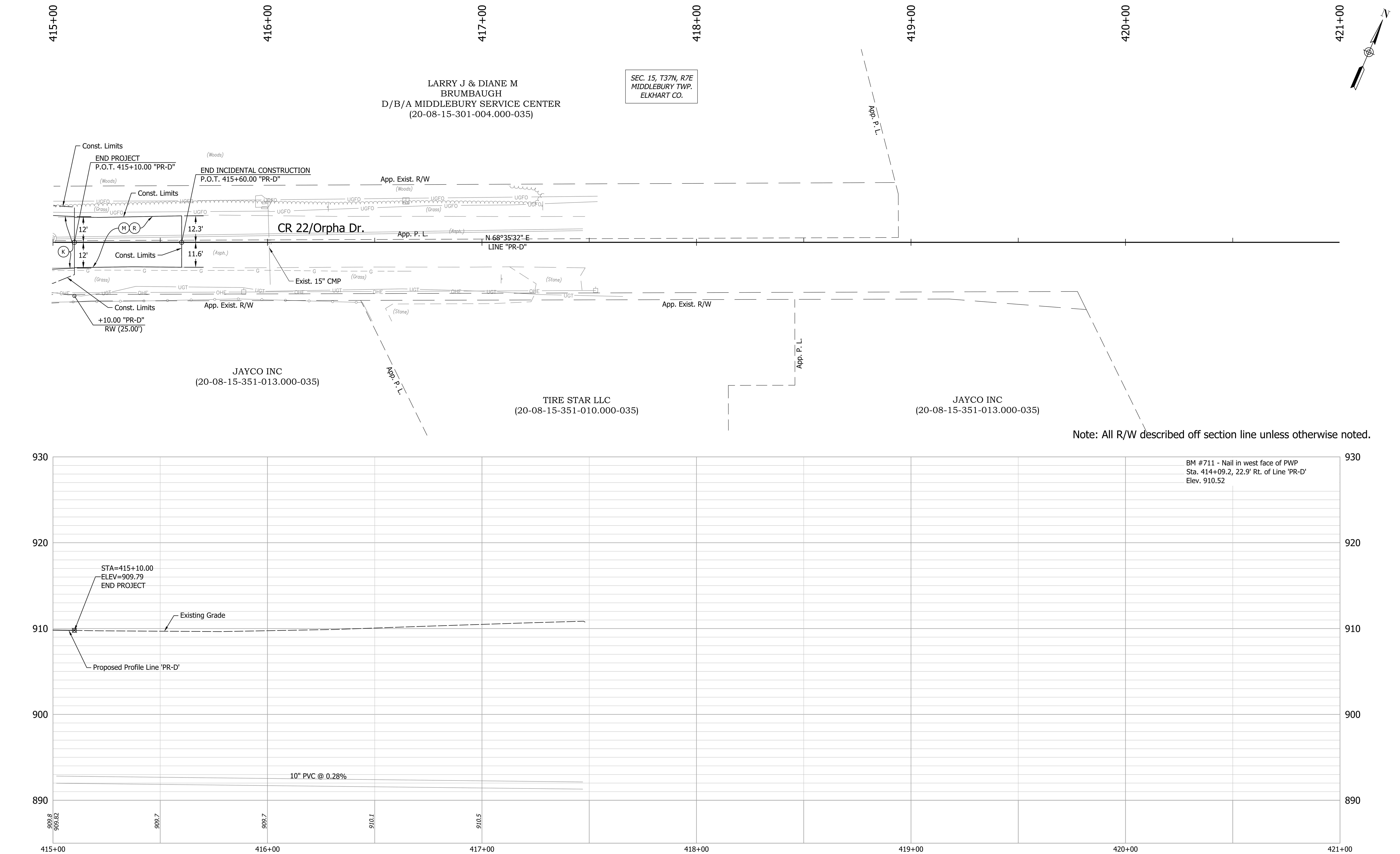
(MB) Mailbox Assembly, Single

(PR) Pavement Removal

MIDDLEBURY	INDIANA	DRAWN: DJG	CHK'D: BJS	NO. / REVISION / DATE
MIDDLEBURY INTERSECTION IMPROVEMENTS		DESIGNED: EH	APPRV'D: BSS	
		DATE: 09/16/2026		
PLAN & PROFILE - LINE "PR-D" STA. 409+00 TO STA. 415+00		HORIZ. SCALE: 1" = 20'		
		VERT. SCALE: 1" = 5'		
		PROJECT NUMBER 25003		

BARBARA K. SWIHART STUTZMAN, REGISTERED No. PE10911254, STATE OF INDIANA, PROFESSIONAL ENGINEER

Lochmueller Group, Inc.



(C) PCCP for Approaches, 6 IN., on Dense Graded Subbase, 6 IN., on Subgrade Treatment, Type II

(K) 165 LB/SYS HMA Surface Type C, 19.0 mm on 330 LB/SYS HMA Intermediate Type C, 19.0 mm on 770 LB/SYS HMA Base Type C, 25.0 mm on Subgrade Treatment Type II

(M) Milling Asphalt, 1 1/2 IN.

(R) 165 LB/SYS HMA Surface Type C, 9.5 mm

MIDDLEBURY — INDIANA

MIDDLEBURY INTERSECTION IMPROVEMENTS

PLAN & PROFILE - LINE "PR-D"
STA. 415+00 TO STA. 421+00

DRAWN: DJG	CHK'D: BJS		
DESIGNED: EH	APPRV'D: BSS		
DATE: 09/16/2026			
HORIZ. SCALE: 1" = 20'			
VERT. SCALE: 1" = 5'			
PROJECT NUMBER 25003			

NO.	REVISION	DATE
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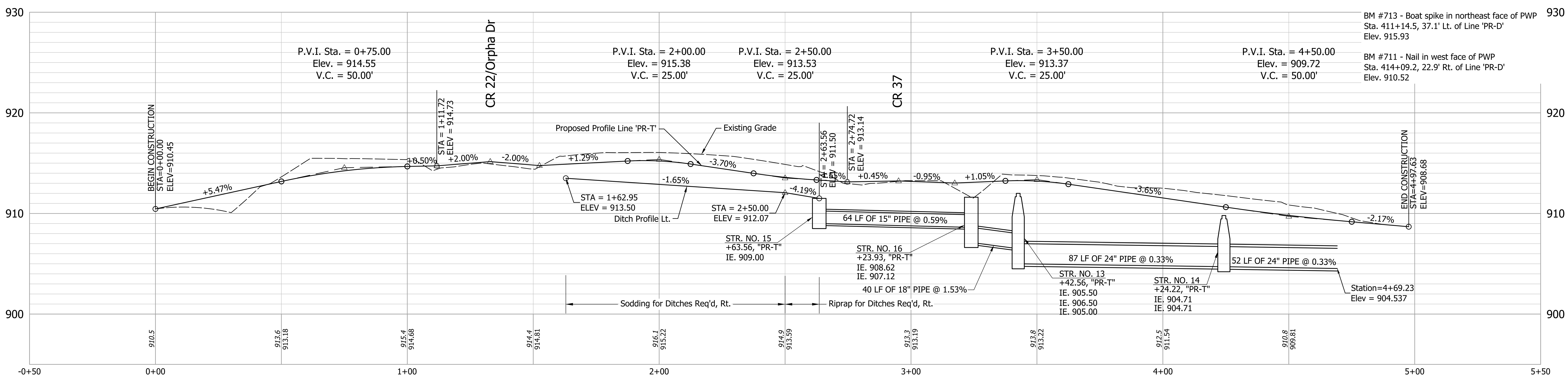
BARBARA K. SWIHART STUTZMAN
REGISTERED
No. PE10911254
STATE OF INDIANA
PROFESSIONAL ENGINEER

Lochmueller Group, Inc.


SEC. 16, T37N, R7E
MIDDLEBURY TWP.
ELKHART CO.
FISHER KAITLIN E
(20-08-16-476-004.000-034)
P.I. = 2+20.70 "PR-T"
= O.P.O.C. 410+59.90, 87.77 LT "PR-D"
Delta = 98°53'53"
R= 60.00
T= 70.12
L= 103.57
E= 32.29
P.T. 2+54.14 "PR-T"
= O.P.O.C. 411+29.99, -76.67 LT, "PR-D"
BEGIN PAVING EXCEPTION
P.O.T. 2+74.72 "PR-T"
P.O.T. 276+15.00 "PR-B" =
P.O.T. 2+95.06 "PR-T"
MMPC LAND HOLDING LLC
(20-08-15-301-005.000-034)
D.R. 91-017729
12974 US 20
P.C. 4+41.20 "PR-T"
= O.P.O.C. 413+16.99, 55.86 LT, "PR-D"
P.T. 4+62.91 "PR-T"
= O.P.O.C. 413+38.62, 58.79 LT, "PR-D"
END CONSTRUCTION
P.O.T. 4+97.63 "PR-T"
= O.P.O.C. 413+72.43, 67.96' LT "PR-D"
Exist. Drainage Ditch for
Pumpkinvine Nature Trail
LARRY J & DIANE M BRUMBAUGH
D/B/A MIDDLEBURY
SERVICE CENTER
(20-08-15-301-004.000-035)
END PAVING EXCEPTION
P.O.T. 1+52.47 "PR-T"
P.C. 1+50.57 "PR-T"
= O.P.O.C. 410+60.00, -17.65 LT, "PR-D"
P.O.T. 410+60.03 "PR-D" =
P.O.T. 1+32.93 "PR-T"
STR. NO. 16
END PAVING EXCEPTION
P.O.T. 3+17.42 "PR-T"
N 80°13'11" E
LINE "PR-T"
See Sheet 7
STR. NO. 15
STR. NO. 13
STR. NO. 14
Ditch Centerline
Const. Limits
Exist. Pipe, Remove
Revetment Riprap
Temp. Sediment Trap w/ Spillway
Exist. Toe of Slope
Exist. Top of Bank
App. Exist. R/W
Deed Line
BM #713
P.C. 3+69.44 "PR-T"
= O.P.O.C. 412+44.71,
56.85 LT, "PR-D"
CR 22/Orpha Dr.
CR 22/Orpha Dr.
See Sheet 9
LINE "PR-D"
N 68°35'32" E
LINE "PR-D"
+16.13 "PR-D"
RW (25.78')
App. P. L.
STR. NO. S-2-6
P.T. 3+84.92 "PR-T"
= O.P.O.C. 412+60.24,
55.53 LT, "PR-D"
STR. NO. 12
N 12°25'17" W
LINE "PR-B"
Sec. Line
89°55'
88°51'
App. Exist R/W
BEGIN PAVING EXCEPTION
P.O.T. 1+11.72 "PR-T"
Exist. Landscaping, Remove
Exist. Structure, Remove
BM #711
EX. STR. NO. S-2-5
N 18°40'42" W
LINE "PR-T"
R10'
P.T. 0+53.20 "PR-T"
= O.P.O.C. 410+60.14, 79.73 RT, "PR-D"
Exist. Fence, Remove
JOANN MILLER
(20-08-16-477-002.000-034)
P.I. = 0+29.43 "PR-T"
= O.P.O.C. 410+60.19, 109.15 RT "PR-D"
Delta = 60°57'26"
R= 50.00
T= 29.43
L= 53.19
E= 8.02
CR 37
SEC. 15, T37N, R7E
MIDDLEBURY TWP.
ELKHART CO.
JAYCO INC
(20-08-15-351-013.000-035)
CP #111 5/8" rebar with A&Z Control Cap
911.37
412+83.47 Line 'PR-D'
34.40' RT
P.I. = 3+77.20 "PR-T"
= O.P.O.C. 412+52.41, 55.45 LT "PR-D"
Delta = 11°05'10"
R= 80.00
T= 7.76
L= 15.48
E= 0.38
P.I. = 4+52.12 "PR-T"
= O.P.O.C. 413+28.00, 55.87 LT "PR-D"
Delta = 15°33'08"
R= 80.00
T= 10.92
L= 21.72
E= 0.74
BEGIN CONSTRUCTION
P.C. 0+00.00 "PR-T"
= O.P.O.C. 410+34.94, 123.52' RT "PR-D"
STR. NO. S-2-11
Ditch Centerline

Note: See Sheet 9 For R/W Information


P.V.I. Sta. = 0+75.00
Elev. = 914.55
V.C. = 50.00'
P.V.I. Sta. = 2+00.00
Elev. = 915.38
V.C. = 25.00'
P.V.I. Sta. = 2+50.00
Elev. = 913.53
V.C. = 25.00'
P.V.I. Sta. = 3+50.00
Elev. = 913.37
V.C. = 25.00'
P.V.I. Sta. = 4+50.00
Elev. = 909.72
V.C. = 50.00'
CR 22/Orpha Dr
CR 37
BEGIN CONSTRUCTION STA=0+00.00 ELEV=910.45
STA = 1+11.72 ELEV = 914.73
STA = 2+63.56 ELEV = 911.50
STA = 2+74.72 ELEV = 913.14
END CONSTRUCTION STA=4+97.63 ELEV=908.68
Proposed Profile Line 'PR-T'
Existing Grade
STA = 1+62.95
ELEV = 913.50
Ditch Profile Lt.
STA = 2+50.00
ELEV = 912.07
64 LF OF 15" PIPE @ 0.59%
STR. NO. 15
+63.56, "PR-T"
IE. 909.00
STR. NO. 16
+23.93, "PR-T"
IE. 908.62
IE. 907.12
40 LF OF 18" PIPE @ 1.53%
87 LF OF 24" PIPE @ 0.33%
52 LF OF 24" PIPE @ 0.33%
STR. NO. 13
+42.56, "PR-T"
IE. 905.50
IE. 906.50
IE. 905.00
STR. NO. 14
+24.22, "PR-T"
IE. 904.71
IE. 904.71
Station=4+69.23
Elev = 904.537
Sodding for Ditches Req'd, Rt.
Riprap for Ditches Req'd, Rt.
+5.47%
+0.50%
+2.00%
-2.00%
+1.29%
-3.70%
-1.65%
-4.19%
+0.45%
-0.95%
+1.05%
-3.65%
-2.17%
930
920
910
900
-0+50
0+00
1+00
2+00
3+00
4+00
5+00
5+50

BM #713 - Boat spike in northeast face of PWP
Sta. 411+14.5, 37.1' Lt. of Line 'PR-D'
Elev. 915.93

BM #711 - Nail in west face of PWP
Sta. 414+09.2, 22.9' Rt. of Line 'PR-D'
Elev. 910.52

(C) PCCP for Approaches, 6 IN., on Dense Graded Subbase, 6 IN., on Subgrade Treatment, Type II

(K) 165 LB/SYS HMA Surface Type C, 19.0 mm on 330 LB/SYS HMA Intermediate Type C, 19.0 mm on 770 LB/SYS HMA Base Type C, 25.0 mm on Subgrade Treatment Type II

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

(PR) Pavement Removal

(MB) Mailbox Assembly, Single

MIDDLEBURY | INDIANA

MIDDLEBURY INTERSECTION IMPROVEMENTS

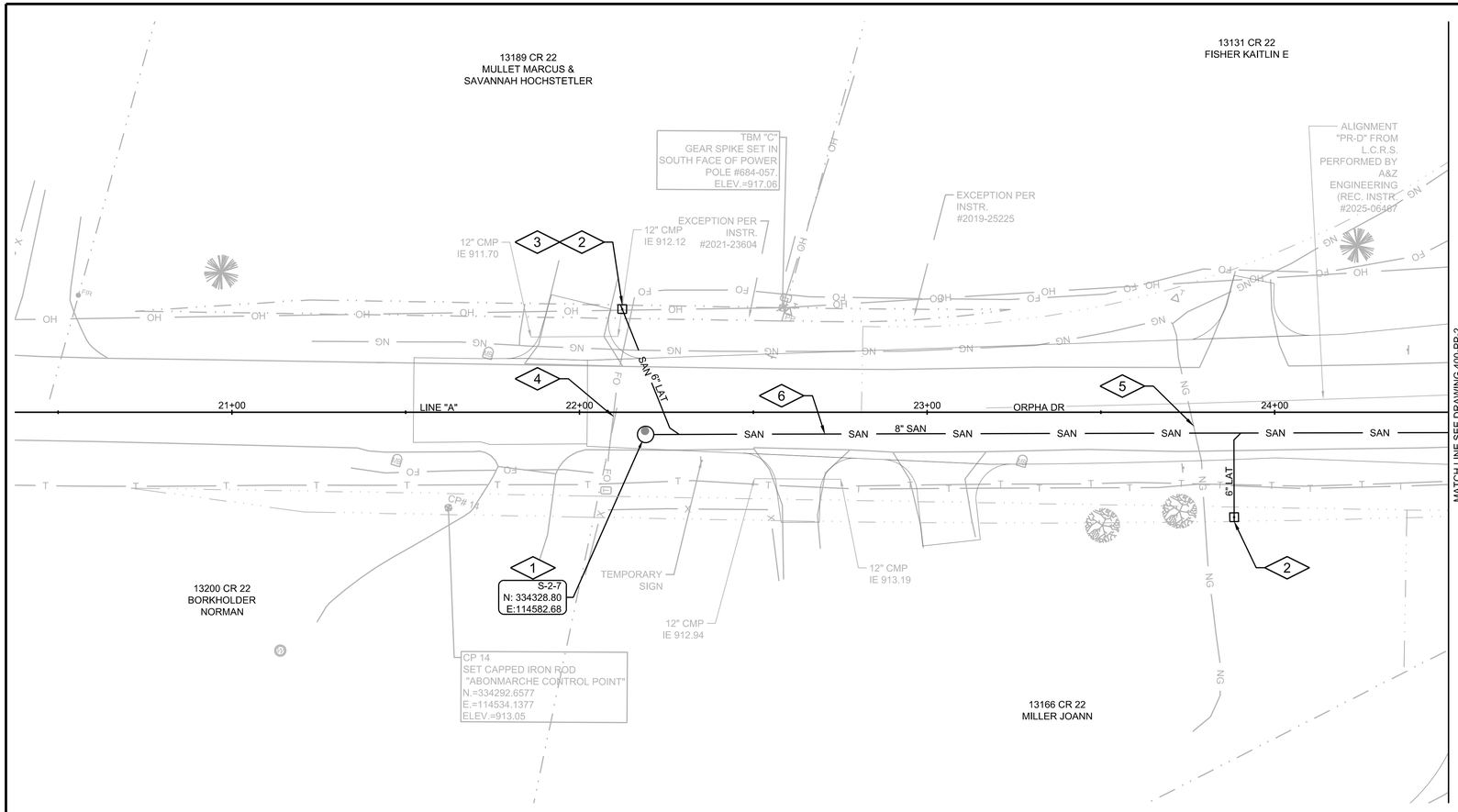
PLAN & PROFILE - LINE "PR-T"
STA. 0+00 TO STA. 5+50

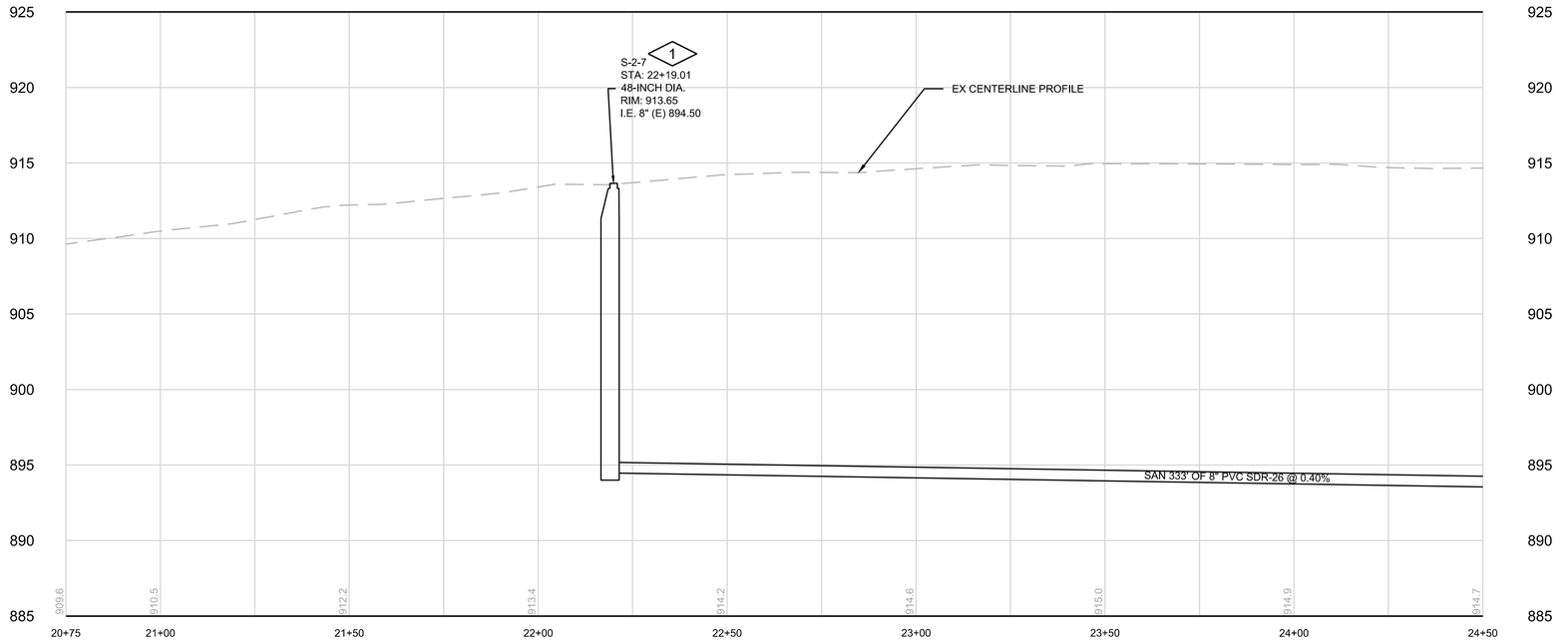
DRAWN: DJG	CHK'D: BJS	NO.	REVISION / DATE
DESIGNED: EH	APPRV'D: BSS		
DATE: 09/16/2026			
HORIZ. SCALE: 1" = 20'			
VERT. SCALE: 1" = 5'			
PROJECT NUMBER 25003			

BARBARA K. SWIHART STUTZMAN REGISTERED No. PE10911254 STATE OF INDIANA PROFESSIONAL ENGINEER

Barbie Swihart Stutzman

Lochmueller Group, Inc.





0 20'

GENERAL NOTES:

1. SEE DRAWING 999-C-1 FOR ADDITIONAL GENERAL PIPING NOTES THAT APPLY TO THIS DRAWING.
2. ALL EROSION CONTROL DEVICES SHALL BE IN PLACE PRIOR TO ANY EARTH DISTURBING ACTIVITIES.
3. ALL EXISTING PIPING SHALL BE FIELD VERIFIED FOR LOCATION AND ELEVATION AT CONNECTION LOCATIONS.
4. PROTECT ALL UTILITIES, DUCT BANKS, ETC. WITH SHEETING, SHORING, OR OTHER MEANS NECESSARY TO PROTECT THEM FROM DAMAGE.
5. CONTRACTOR SHALL PROTECT ALL PUBLIC AND PRIVATE PROPERTY WITHIN THE EXISTING RIGHTS OF WAY AND EASEMENTS SHOWN. ANY DAMAGE SHALL BE REPAIRED OR REPLACED TO ORIGINAL CONDITION.
6. PROVIDE NEAT SAWCUTS, FULL DEPTH AT THE LIMIT OF CONSTRUCTION WHERE NEW WORK ABUTS EXISTING CURBS, DRIVES, OR OTHER PAVEMENTS WHICH ARE TO REMAIN IN PLACE. SEE DETAIL (C180).
7. ALL AREAS NOT COVERED BY PAVING, OR OTHERWISE NOTED SHALL BE RESTORED WITH TOPSOIL, MULCH, AND MULCH, SEE DETAIL (C050).
8. ALL 8-INCH AND 10-INCH SANITARY SEWER GRAVITY PIPING SHALL BE PVC SDR-35 WHERE COVER IS LESS THAN 20 FEET AND PVC SDR-26 WHERE COVER EXCEEDS 20 FEET, AS SHOWN IN THE PROFILES.

PLAN NOTES: ◇

1. NEW SANITARY MANHOLE. SEE TOWN OF MIDDLEBURY DETAILS, FIGURES 3.4 AND 3.5.
2. NEW SANITARY SEWER LATERAL. PROVIDE WYE CONNECTION, 45 DEGREE BEND, CLEANOUT, CONCRETE COLLAR, TRACER WIRE, ACCESS POINT AND MAGNESIUM GROUND ROD. CAP AT END OF LATERAL FOR FUTURE CONNECTION. SEE TOWN OF MIDDLEBURY STANDARD DETAILS, FIGURE 3.2.
3. NO AS-BUILT MAP OF THE EXISTING SEPTIC SYSTEM WAS AVAILABLE AT THE TIME OF DESIGN. THE PROPOSED SERVICE LOCATION HAS BEEN BASED ON THE APPROXIMATE CENTER OF THE RESIDENCE. IF THE EXISTING SYSTEM CAN BE VERIFIED IN THE FIELD, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER TO ADJUST THE SERVICE LOCATION AS NEEDED TO AVOID CONFLICTS AND ENSURE PROPER CONNECTION.
4. PROVIDE TEMPORARY SUPPORT AND PROTECTION OF THE BURIED FIBER OPTIC LINES DURING EXCAVATION. ANY DAMAGE TO THE FIBER OPTIC SHALL BE COORDINATED WITH THE UTILITY.
5. PROVIDE TEMPORARY SUPPORT AND PROTECTION OF NATURAL GAS LINE / SERVICE LINE DURING EXCAVATION. ANY DAMAGE TO THE NATURAL GAS SHALL BE COORDINATED WITH THE UTILITY.
6. NEW SANITARY SEWER.

MICHAEL A. STYF
REGISTERED
No. 11200351
STATE OF
INDIANA
PROFESSIONAL ENGINEER

Michael A. Styf
2026.05.26 10:03:37-04'00'

Revision Number	Revision Description	Drawn By	Checked By	Date

Designed By	MAS
Drawn By	MAS
Checked By	JLM
Approved By	MAS
Filename	400PP2INT.DWG
Project No.	14757INT
Project Date	AUG 2026

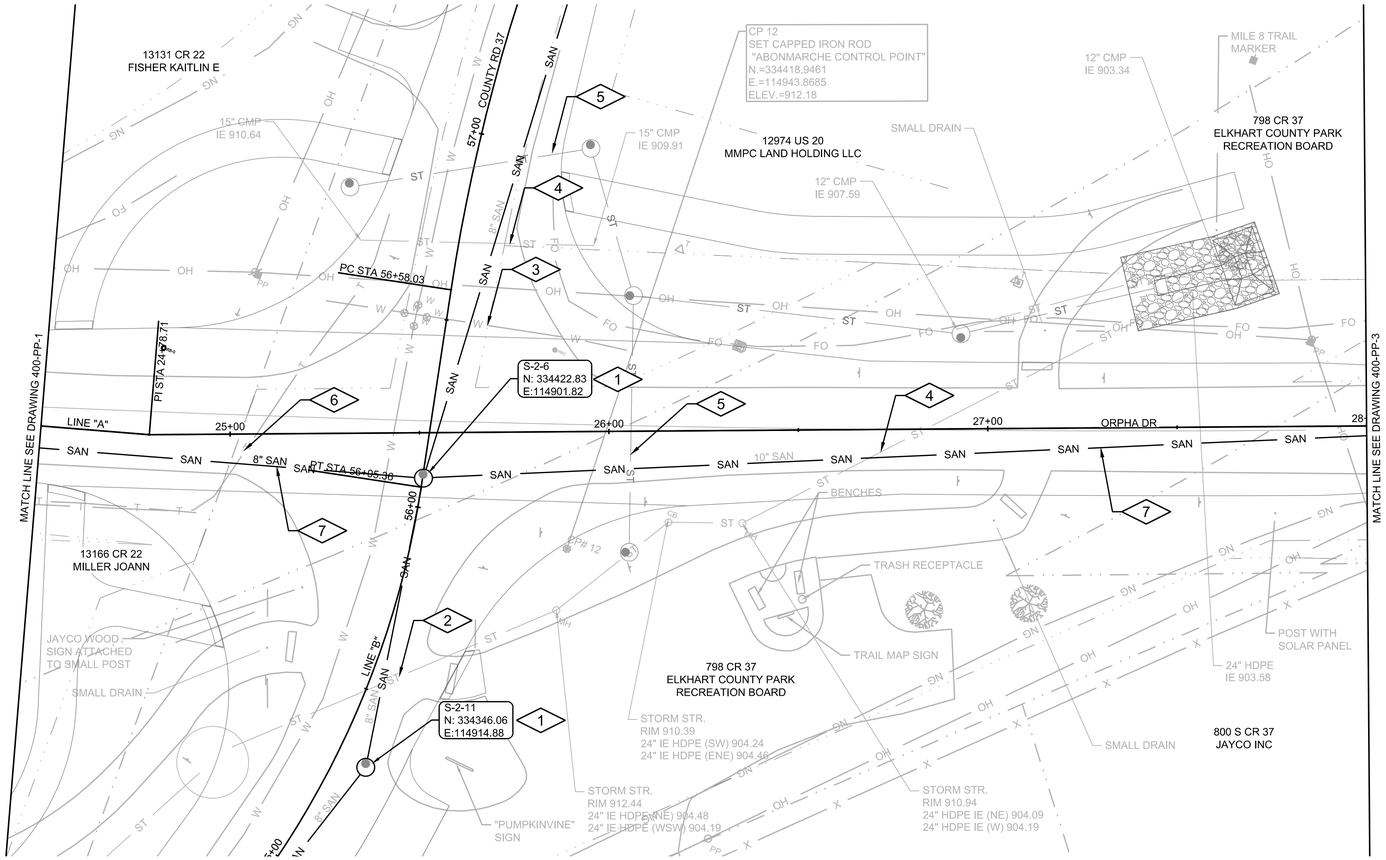
TOWN OF MIDDLEBURY, INDIANA
INTERSECTION IMPROVEMENTS
AT CR 22 / ORPHA DR AND CR 37
MIDDLEBURY, IN

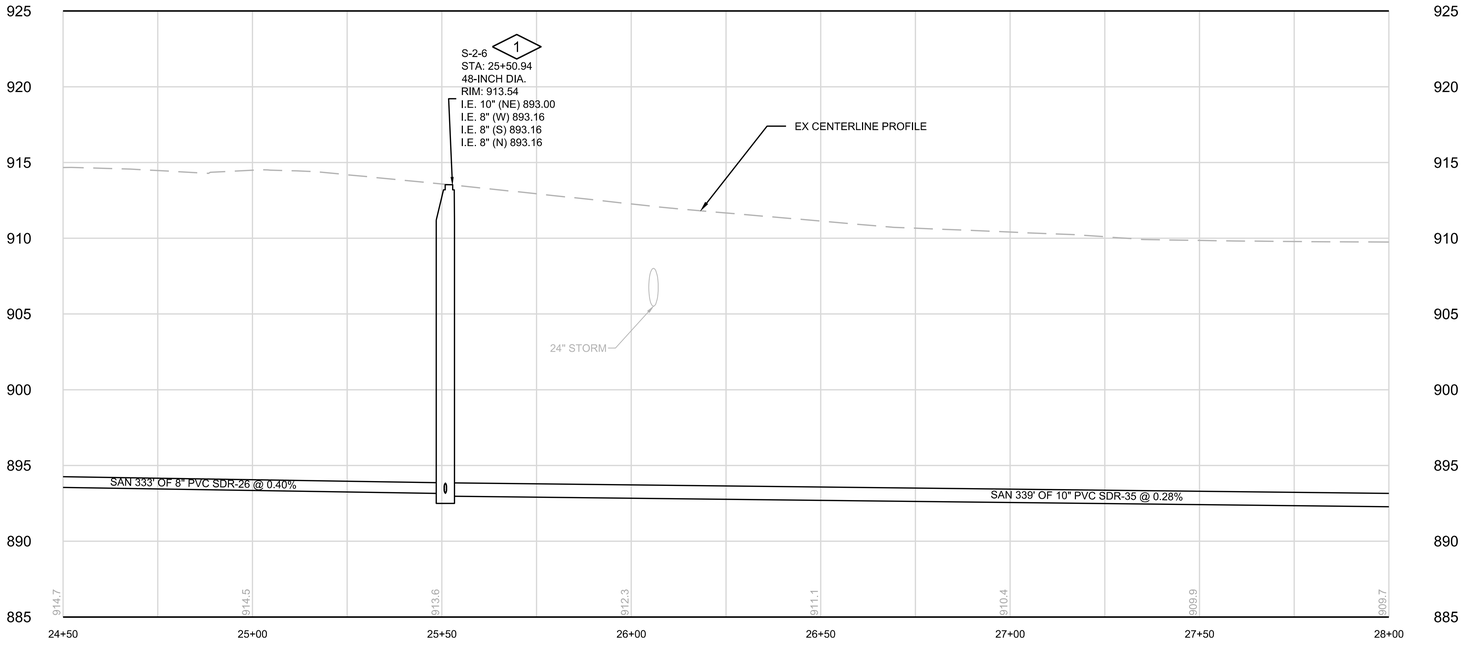
SANITARY SEWER PLAN AND PROFILE
ORPHA DRIVE

DONOHUE

Sheet No. 12

Drawing No. **400-PP-1**





GENERAL NOTES:

1. SEE DRAWING 999-C-1 FOR ADDITIONAL GENERAL PIPING NOTES THAT APPLY TO THIS DRAWING.
2. ALL EROSION CONTROL DEVICES SHALL BE IN PLACE PRIOR TO ANY EARTH DISTURBING ACTIVITIES.
3. ALL EXISTING PIPING SHALL BE FIELD VERIFIED FOR LOCATION AND ELEVATION AT CONNECTION LOCATIONS.
4. PROTECT ALL UTILITIES, DUCT BANKS, ETC. WITH SHEETING, SHORING, OR OTHER MEANS NECESSARY TO PROTECT THEM FROM DAMAGE.
5. CONTRACTOR SHALL PROTECT ALL PUBLIC AND PRIVATE PROPERTY WITHIN THE EXISTING RIGHTS OF WAY AND EASEMENTS SHOWN. ANY DAMAGE SHALL BE REPAIRED OR REPLACED TO ORIGINAL CONDITION.
6. PROVIDE NEAT SAWCUTS, FULL DEPTH AT THE LIMIT OF CONSTRUCTION WHERE NEW WORK ABUTS EXISTING CURBS, DRIVES, OR OTHER PAVEMENTS WHICH ARE TO REMAIN IN PLACE. SEE DETAIL C180.
7. ALL AREAS NOT COVERED BY PAVING, OR OTHERWISE NOTED SHALL BE RESTORED WITH TOPSOIL, MULCH, AND MULCH, SEE DETAIL C050.
8. ALL 8-INCH AND 10-INCH SANITARY SEWER GRAVITY PIPING SHALL BE PVC SDR-35 WHERE COVER IS LESS THAN 20 FEET AND PVC SDR-26 WHERE COVER EXCEEDS 20 FEET, AS SHOWN IN THE PROFILES.

PLAN NOTES:

1. NEW SANITARY MANHOLE. SEE TOWN OF MIDDLEBURY DETAILS, FIGURES 3.4 AND 3.5.
2. PROVIDE TEMPORARY SUPPORT AND PROTECTION OF THE STORM SEWER DURING EXCAVATION. ANY DAMAGE TO THE STORM SEWER SHALL BE REPAIRED OR REPLACED IN KIND.
3. PROVIDE TEMPORARY SUPPORT AND PROTECTION OF THE WATERMAIN DURING EXCAVATION. ANY DAMAGE TO THE WATERMAIN SHALL BE REPAIRED OR REPLACED IN KIND AND COORDINATED WITH TOWN OF MIDDLEBURY.
4. PROVIDE TEMPORARY SUPPORT AND PROTECTION OF THE STORM SEWER DURING EXCAVATION UNTIL NEW STORM SEWER IS IN OPERATION. ANY DAMAGE TO THE STORM SEWER SHALL BE REPAIRED OR REPLACED IN KIND.
5. NEW STORM SEWER.
6. PROVIDE TEMPORARY SUPPORT AND PROTECTION OF THE BURIED TELEPHONE LINES DURING EXCAVATION. ANY DAMAGE TO THE TELEPHONE LINES SHALL BE COORDINATED WITH THE UTILITY.
7. NEW SANITARY SEWER.

MICHAEL A. STYF
REGISTERED
No. 11200351
STATE OF
INDIANA
PROFESSIONAL ENGINEER

Michael A. Styf
2026.05.26 10:03:46-04'00'

Revision Number	Revision Description	Drawn By	Checked By	Date

Designed By	MAS
Drawn By	MAS
Checked By	JLM
Approved By	MAS
Filename	400PP2INT.DWG
Project No.	14757INT
Project Date	AUG 2026

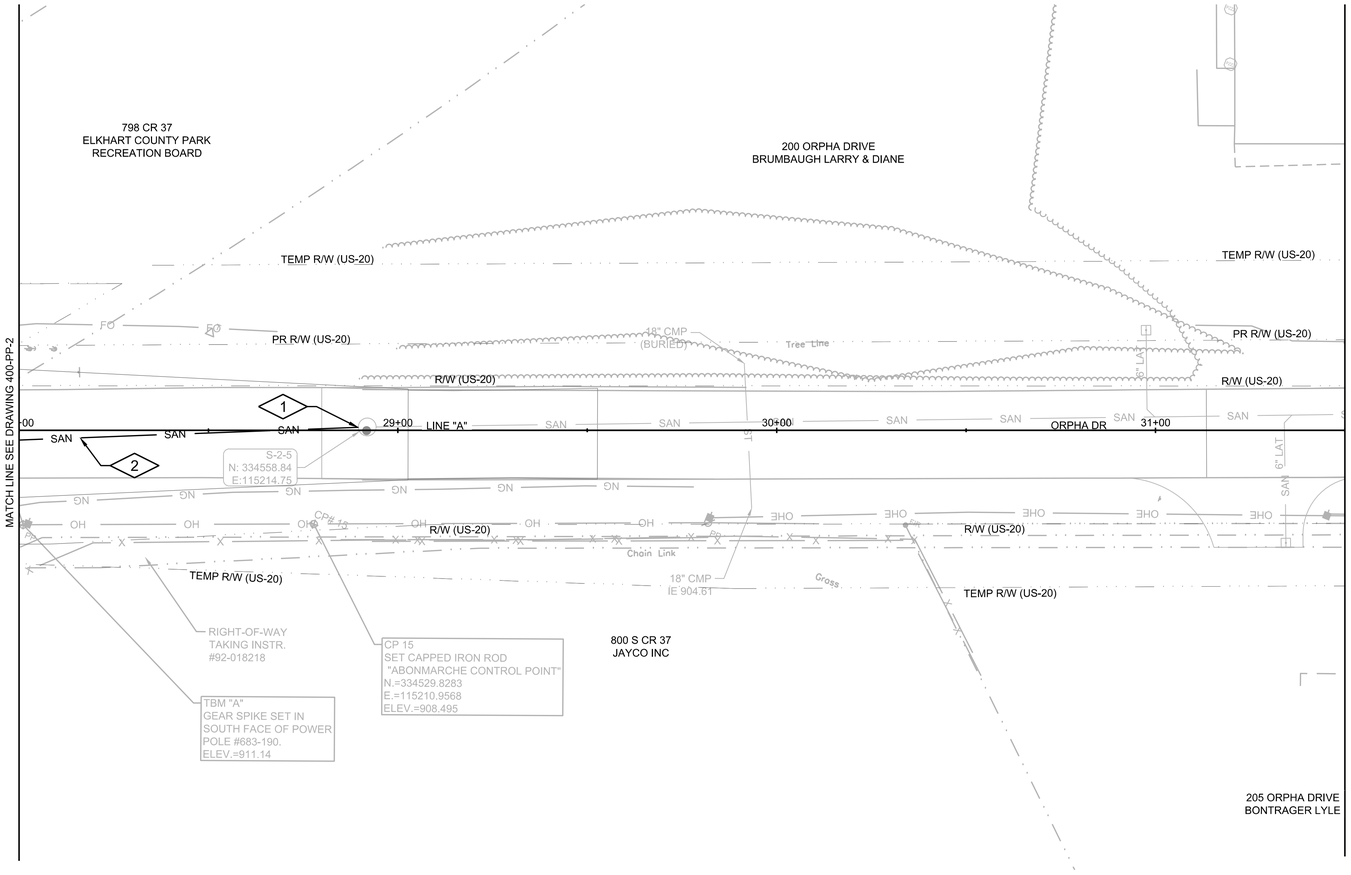
TOWN OF MIDDLEBURY, INDIANA
INTERSECTION IMPROVEMENTS
AT CR 22 / ORPHA DR AND CR 37
MIDDLEBURY, IN

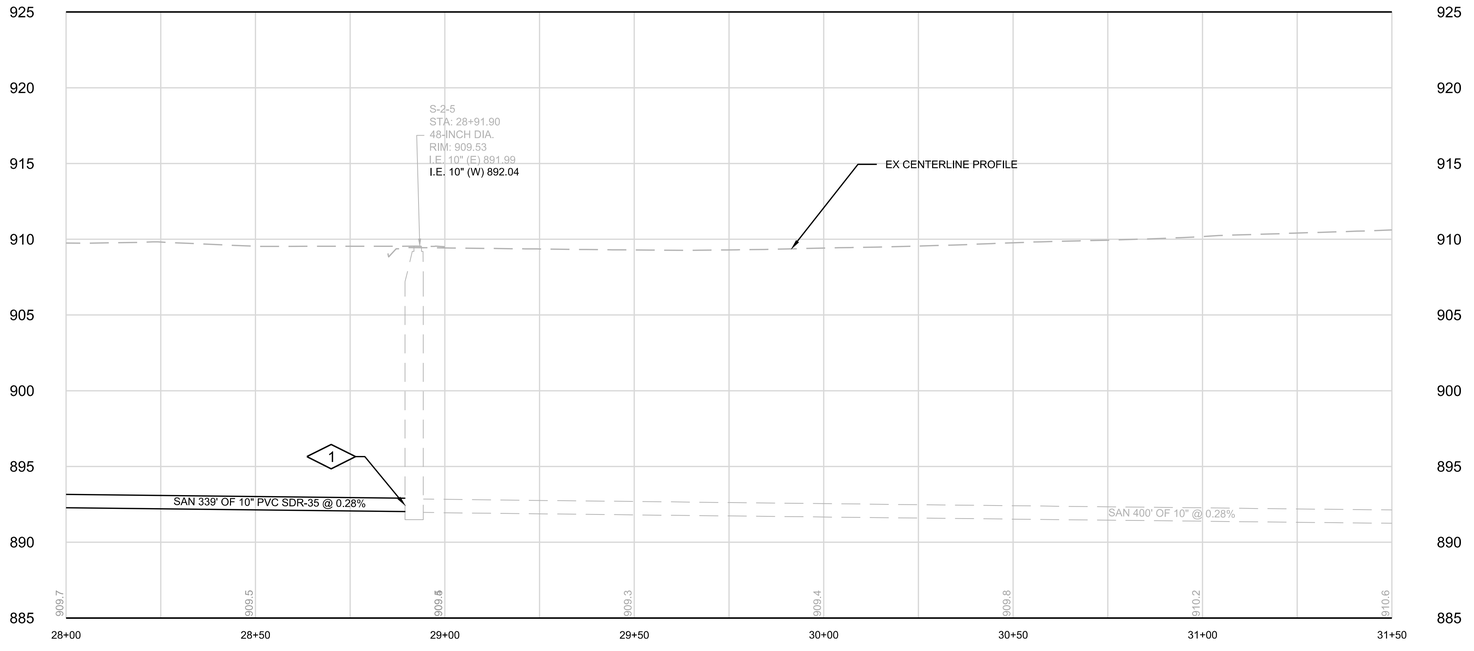
SANITARY SEWER PLAN AND PROFILE
ORPHA DRIVE

DONOHUE

Sheet No. 13

Drawing No. **400-PP-2**





GENERAL NOTES:

1. SEE DRAWING 999-C-1 FOR ADDITIONAL GENERAL PIPING NOTES THAT APPLY TO THIS DRAWING.
2. ALL EROSION CONTROL DEVICES SHALL BE IN PLACE PRIOR TO ANY EARTH DISTURBING ACTIVITIES.
3. ALL EXISTING PIPING SHALL BE FIELD VERIFIED FOR LOCATION AND ELEVATION AT CONNECTION LOCATIONS.
4. PROTECT ALL UTILITIES, DUCT BANKS, ETC. WITH SHEETING, SHORING, OR OTHER MEANS NECESSARY TO PROTECT THEM FROM DAMAGE.
5. CONTRACTOR SHALL PROTECT ALL PUBLIC AND PRIVATE PROPERTY WITHIN THE EXISTING RIGHTS OF WAY AND EASEMENTS SHOWN. ANY DAMAGE SHALL BE REPAIRED OR REPLACED TO ORIGINAL CONDITION.
6. PROVIDE NEAT SAWCUTS, FULL DEPTH AT THE LIMIT OF CONSTRUCTION WHERE NEW WORK ABUTS EXISTING CURBS, DRIVES, OR OTHER PAVEMENTS WHICH ARE TO REMAIN IN PLACE. SEE DETAIL (C180).
7. ALL AREAS NOT COVERED BY PAVING, OR OTHERWISE NOTED SHALL BE RESTORED WITH TOPSOIL, MULCH, AND MULCH, SEE DETAIL (C050).
8. ALL 8-INCH AND 10-INCH SANITARY SEWER GRAVITY PIPING SHALL BE PVC SDR-35 WHERE COVER IS LESS THAN 20 FEET AND PVC SDR-26 WHERE COVER EXCEEDS 20 FEET, AS SHOWN IN THE PROFILES.

PLAN NOTES:

1. CORE MANHOLE WALL AND INSTALL FLEXIBLE BOOT FOR 10-INCH SANITARY SEWER PIPE. SET PIPE TO PLAN INVERT AND PROVIDE A WATERTIGHT CONNECTION.
2. NEW SANITARY SEWER.

MICHAEL A. STYF
REGISTERED
No. 11200351
STATE OF
INDIANA
PROFESSIONAL ENGINEER

Michael A. Styf
2026.09.28 10:03:55-04'00'

Revision Number	Revision Description	Drawn By	Checked By	Date

Designed By	MAS
Drawn By	MAS
Checked By	JLM
Approved By	MAS
Filename	400PP2INT.DWG
Project No.	14757INT
Project Date	AUG 2026

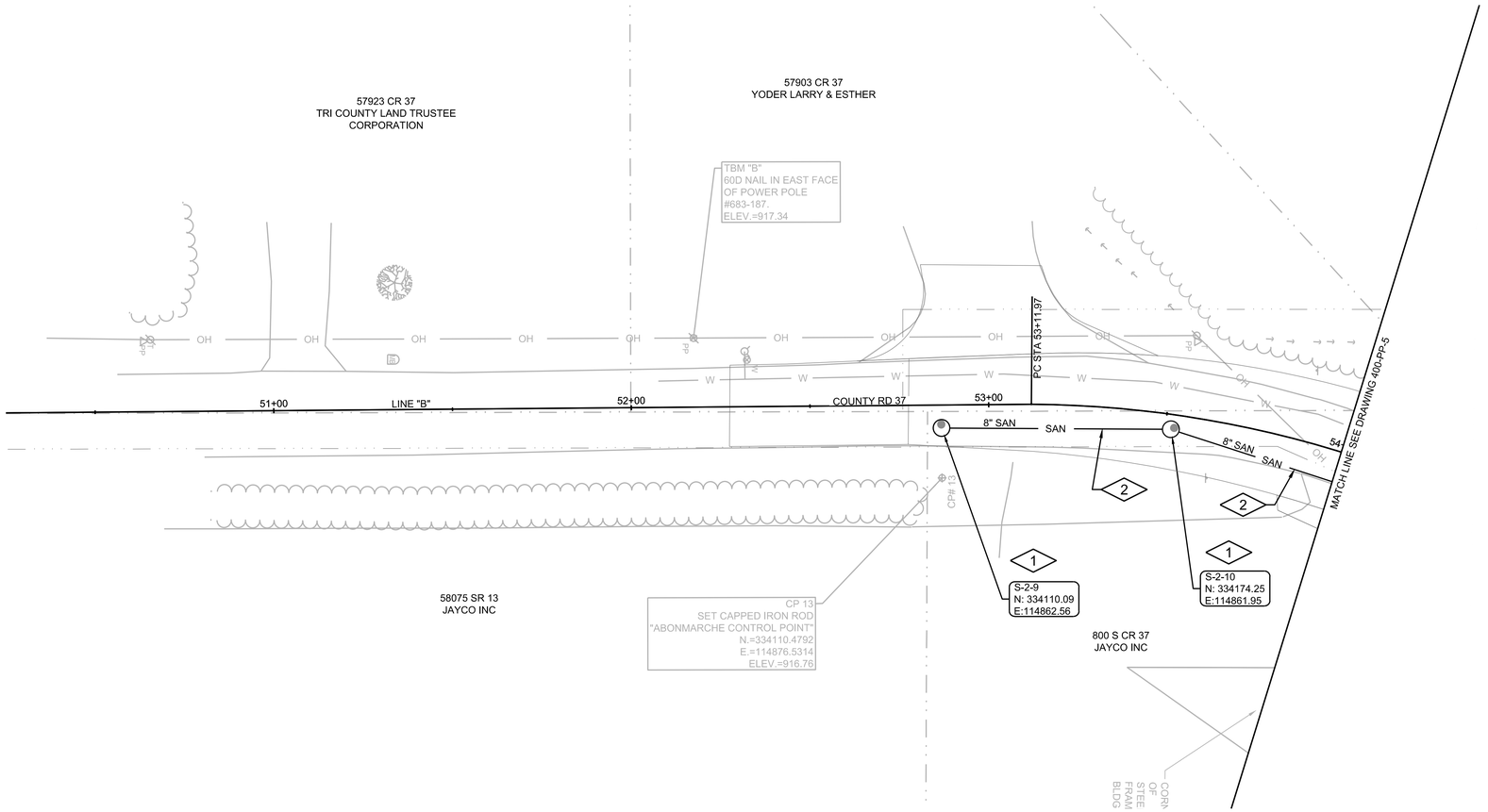
TOWN OF MIDDLEBURY, INDIANA
INTERSECTION IMPROVEMENTS
AT CR 22 / ORPHA DR AND CR 37
MIDDLEBURY, IN

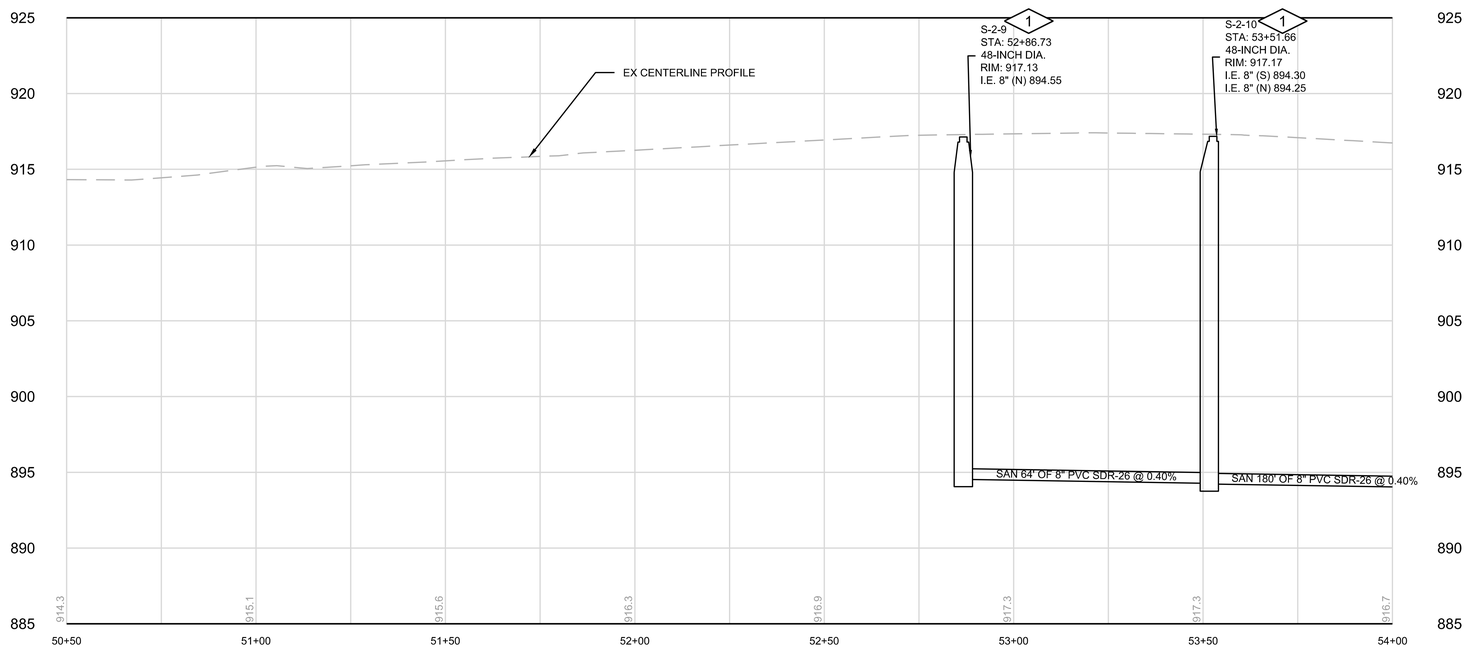
SANITARY SEWER PLAN AND PROFILE
ORPHA DRIVE

DONOHUE

Sheet No. 14

Drawing No. **400-PP-3**





GENERAL NOTES:

1. SEE DRAWING 999-C-1 FOR ADDITIONAL GENERAL PIPING NOTES THAT APPLY TO THIS DRAWING.
2. ALL EROSION CONTROL DEVICES SHALL BE IN PLACE PRIOR TO ANY EARTH DISTURBING ACTIVITIES.
3. ALL EXISTING PIPING SHALL BE FIELD VERIFIED FOR LOCATION AND ELEVATION AT CONNECTION LOCATIONS.
4. PROTECT ALL UTILITIES, DUCT BANKS, ETC. WITH SHEETING, SHORING, OR OTHER MEANS NECESSARY TO PROTECT THEM FROM DAMAGE.
5. CONTRACTOR SHALL PROTECT ALL PUBLIC AND PRIVATE PROPERTY WITHIN THE EXISTING RIGHTS OF WAY AND EASEMENTS SHOWN. ANY DAMAGE SHALL BE REPAIRED OR REPLACED TO ORIGINAL CONDITION.
6. PROVIDE NEAT SAWCUTS, FULL DEPTH AT THE LIMIT OF CONSTRUCTION WHERE NEW WORK ABUTS EXISTING CURBS, DRIVES, OR OTHER PAVEMENTS WHICH ARE TO REMAIN IN PLACE. SEE DETAIL C180 .
7. ALL AREAS NOT COVERED BY PAVING, OR OTHERWISE NOTED SHALL BE RESTORED WITH TOPSOIL, MULCH, AND MULCH, SEE DETAIL C050 .
8. ALL 8-INCH AND 10-INCH SANITARY SEWER GRAVITY PIPING SHALL BE PVC SDR-35. ALL 10-INCH FORCEMAIN PIPING SHALL BE HDPE DR-11.

PLAN NOTES: ◇

1. NEW SANITARY MANHOLE. SEE TOWN OF MIDDLEBURY DETAILS, FIGURES 3.4 AND 3.5.
2. NEW SANITARY SEWER.

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Revision Number	Revision Description	Drawn By	Checked By	Date

Designed By	MAS
Drawn By	MAS
Checked By	JLM
Approved By	MAS
Filename	400PP3INT.DWG
Project No.	14757INT
Project Date	AUG 2026

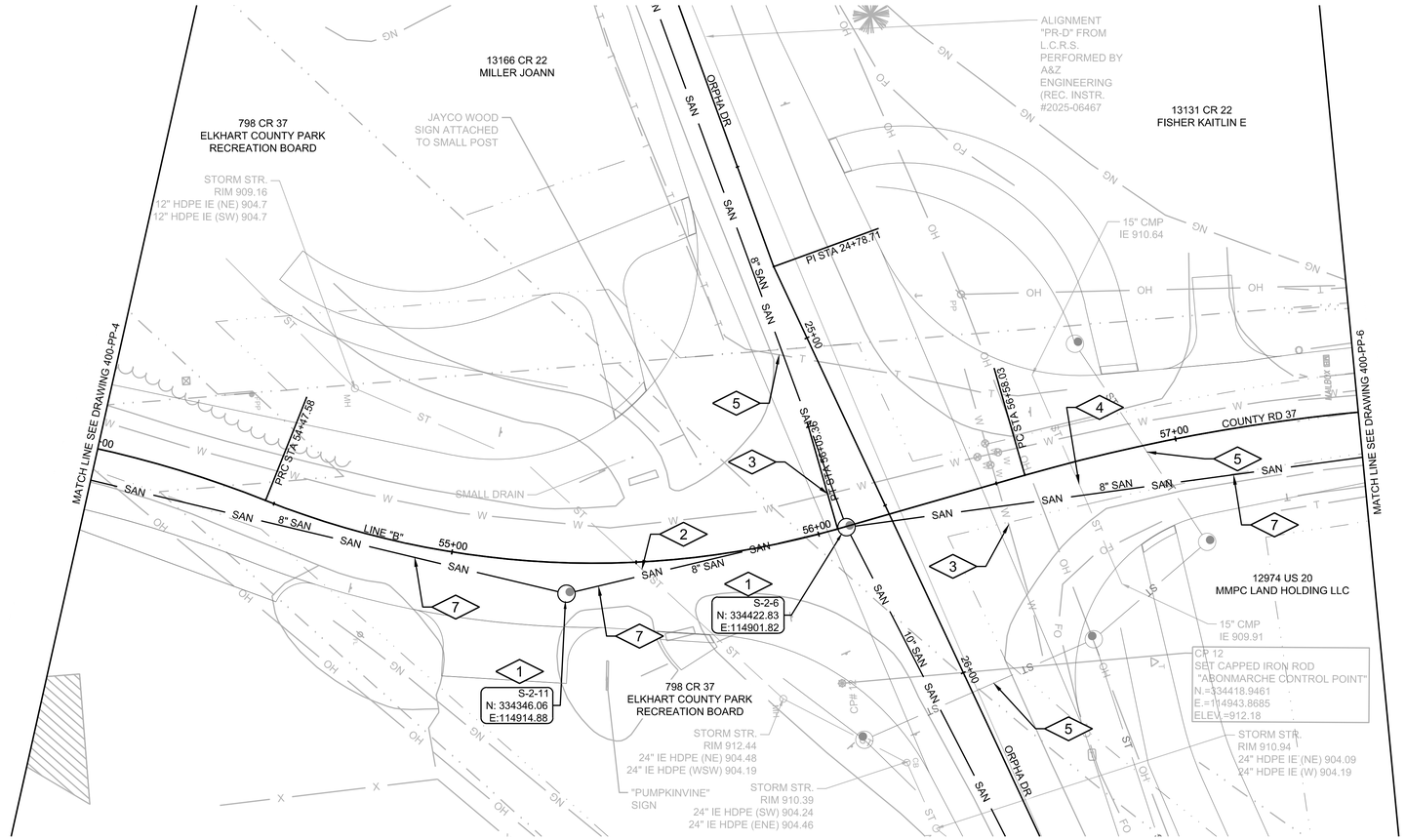
TOWN OF MIDDLEBURY, INDIANA
INTERSECTION IMPROVEMENTS
AT CR 22 / ORPHA DR AND CR 37
MIDDLEBURY, IN

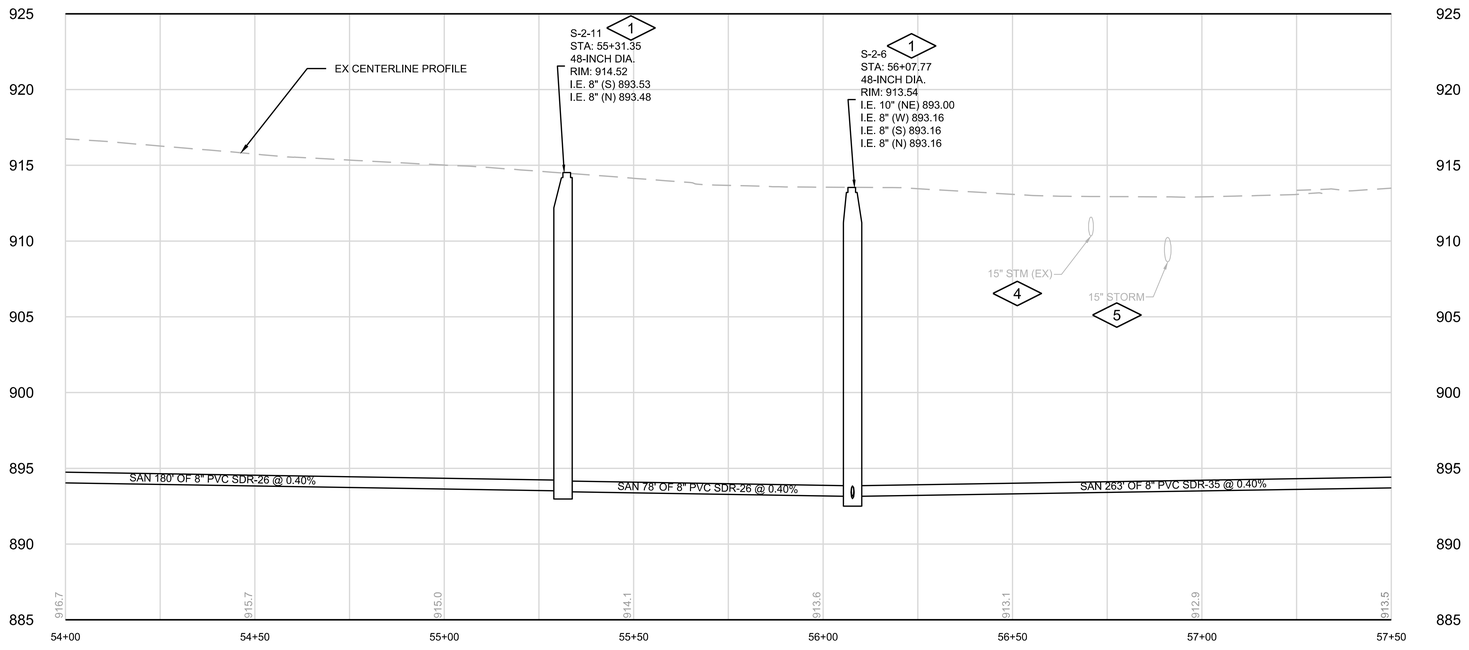
SANITARY SEWER PLAN AND PROFILE
COUNTY ROAD 37

DONOHUE

Sheet No. 15

Drawing No. **400-PP-4**





GENERAL NOTES:

1. SEE DRAWING 999-C-1 FOR ADDITIONAL GENERAL PIPING NOTES THAT APPLY TO THIS DRAWING.
2. ALL EROSION CONTROL DEVICES SHALL BE IN PLACE PRIOR TO ANY EARTH DISTURBING ACTIVITIES.
3. ALL EXISTING PIPING SHALL BE FIELD VERIFIED FOR LOCATION AND ELEVATION AT CONNECTION LOCATIONS.
4. PROTECT ALL UTILITIES, DUCT BANKS, ETC. WITH SHEETING, SHORING, OR OTHER MEANS NECESSARY TO PROTECT THEM FROM DAMAGE.
5. CONTRACTOR SHALL PROTECT ALL PUBLIC AND PRIVATE PROPERTY WITHIN THE EXISTING RIGHTS OF WAY AND EASEMENTS SHOWN. ANY DAMAGE SHALL BE REPAIRED OR REPLACED TO ORIGINAL CONDITION.
6. PROVIDE NEAT SAWCUTS, FULL DEPTH AT THE LIMIT OF CONSTRUCTION WHERE NEW WORK ABUTS EXISTING CURBS, DRIVES, OR OTHER PAVEMENTS WHICH ARE TO REMAIN IN PLACE. SEE DETAIL C180 .
7. ALL AREAS NOT COVERED BY PAVING, OR OTHERWISE NOTED SHALL BE RESTORED WITH TOPSOIL, MULCH, AND MULCH, SEE DETAIL C050 .
8. ALL 8-INCH AND 10-INCH SANITARY SEWER GRAVITY PIPING SHALL BE PVC SDR-35 WHERE COVER IS LESS THAN 20 FEET AND PVC SDR-26 WHERE COVER EXCEEDS 20 FEET, AS SHOWN IN THE PROFILES.

PLAN NOTES:

1. NEW SANITARY MANHOLE. SEE TOWN OF MIDDLEBURY DETAILS, FIGURES 3.4 AND 3.5.
2. PROVIDE TEMPORARY SUPPORT AND PROTECTION OF THE STORM SEWER DURING EXCAVATION. ANY DAMAGE TO THE STORM SEWER SHALL BE REPAIRED OR REPLACED IN KIND.
3. PROVIDE TEMPORARY SUPPORT AND PROTECTION OF THE WATERMAIN DURING EXCAVATION. ANY DAMAGE TO THE WATERMAIN SHALL BE REPAIRED OR REPLACED IN KIND AND COORDINATED WITH TOWN OF MIDDLEBURY.
4. PROVIDE TEMPORARY SUPPORT AND PROTECTION OF THE STORM SEWER DURING EXCAVATION UNTIL NEW STORM SEWER IS IN OPERATION. ANY DAMAGE TO THE STORM SEWER SHALL BE REPAIRED OR REPLACED IN KIND.
5. NEW STORM SEWER.
6. PROVIDE TEMPORARY SUPPORT AND PROTECTION OF THE BURIED TELEPHONE LINES DURING EXCAVATION. ANY DAMAGE TO THE TELEPHONE LINES SHALL BE COORDINATED WITH THE UTILITY.
7. NEW SANITARY SEWER.

0 20'

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Revision Number	Revision Description	Drawn By	Checked By	Date

Designed By	MAS
Drawn By	MAS
Checked By	JLM
Approved By	MAS
Filename	400PP3INT.DWG
Project No.	14757INT
Project Date	AUG 2026

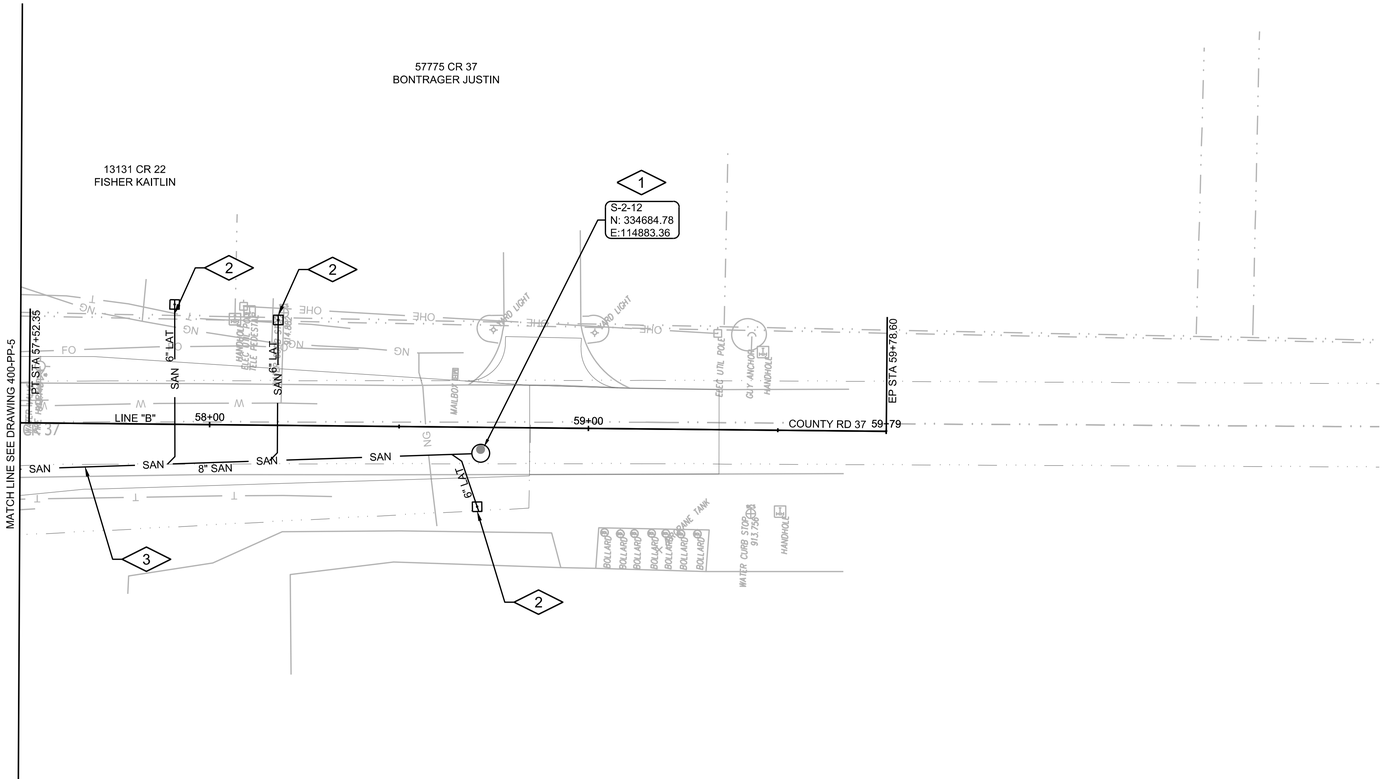
TOWN OF MIDDLEBURY, INDIANA
INTERSECTION IMPROVEMENTS
AT CR 22 / ORPHA DR AND CR 37
MIDDLEBURY, IN

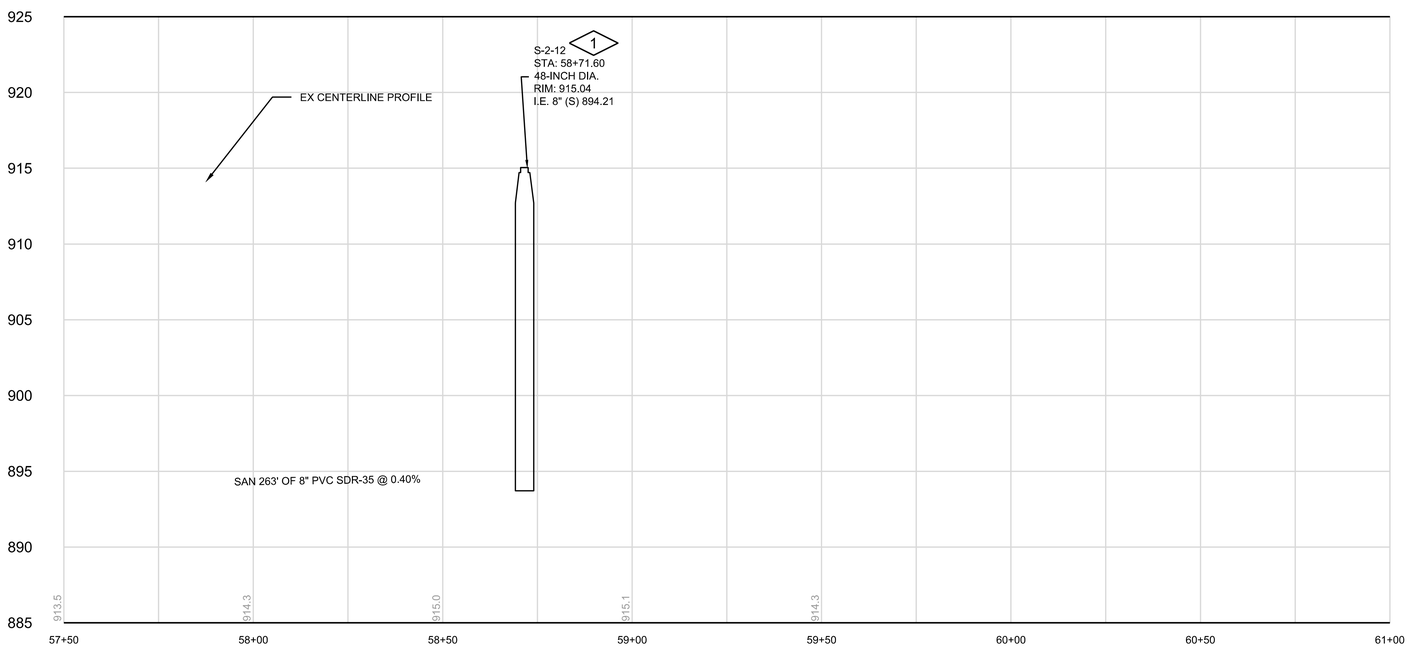
SANITARY SEWER PLAN AND PROFILE
COUNTY ROAD 37

DONOHUE

Sheet No. 16

Drawing No. **400-PP-5**





GENERAL NOTES:

1. SEE DRAWING 999-C-1 FOR ADDITIONAL GENERAL PIPING NOTES THAT APPLY TO THIS DRAWING.
2. ALL EROSION CONTROL DEVICES SHALL BE IN PLACE PRIOR TO ANY EARTH DISTURBING ACTIVITIES.
3. ALL EXISTING PIPING SHALL BE FIELD VERIFIED FOR LOCATION AND ELEVATION AT CONNECTION LOCATIONS.
4. PROTECT ALL UTILITIES, DUCT BANKS, ETC. WITH SHEETING, SHORING, OR OTHER MEANS NECESSARY TO PROTECT THEM FROM DAMAGE.
5. CONTRACTOR SHALL PROTECT ALL PUBLIC AND PRIVATE PROPERTY WITHIN THE EXISTING RIGHTS OF WAY AND EASEMENTS SHOWN. ANY DAMAGE SHALL BE REPAIRED OR REPLACED TO ORIGINAL CONDITION.
6. PROVIDE NEAT SAWCUTS, FULL DEPTH AT THE LIMIT OF CONSTRUCTION WHERE NEW WORK ABUTS EXISTING CURBS, DRIVES, OR OTHER PAVEMENTS WHICH ARE TO REMAIN IN PLACE. SEE DETAIL C180.
7. ALL AREAS NOT COVERED BY PAVING, OR OTHERWISE NOTED SHALL BE RESTORED WITH TOPSOIL, MULCH, AND MULCH, SEE DETAIL C050.
8. ALL 8-INCH AND 10-INCH SANITARY SEWER GRAVITY PIPING SHALL BE PVC SDR-35 WHERE COVER IS LESS THAN 20 FEET AND PVC SDR-26 WHERE COVER EXCEEDS 20 FEET, AS SHOWN IN THE PROFILES.

PLAN NOTES:

1. NEW SANITARY MANHOLE. SEE TOWN OF MIDDLEBURY DETAILS, FIGURES 3.4 AND 3.5.
2. NEW SANITARY SEWER LATERAL. PROVIDE WYE CONNECTION, 45 DEGREE BEND, CLEANOUT, CONCRETE COLLAR, TRACER WIRE, ACCESS POINT AND MAGNESIUM GROUND ROD. CAP AT END OF LATERAL FOR FUTURE CONNECTION. SEE TOWN OF MIDDLEBURY STANDARD DETAILS, FIGURE 3.2.
3. NEW SANITARY SEWER.

0 20'

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Michael A. Styf
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Revision Number	Revision Description	Drawn By	Checked By	Date

Designed By	MAS
Drawn By	MAS
Checked By	JLM
Approved By	MAS
Filename	400PP3INT.DWG
Project No.	14757INT
Project Date	AUG 2026

TOWN OF MIDDLEBURY, INDIANA
INTERSECTION IMPROVEMENTS
AT CR 22 / ORPHA DR AND CR 37
MIDDLEBURY, IN

SANITARY SEWER PLAN AND PROFILE
COUNTY ROAD 37

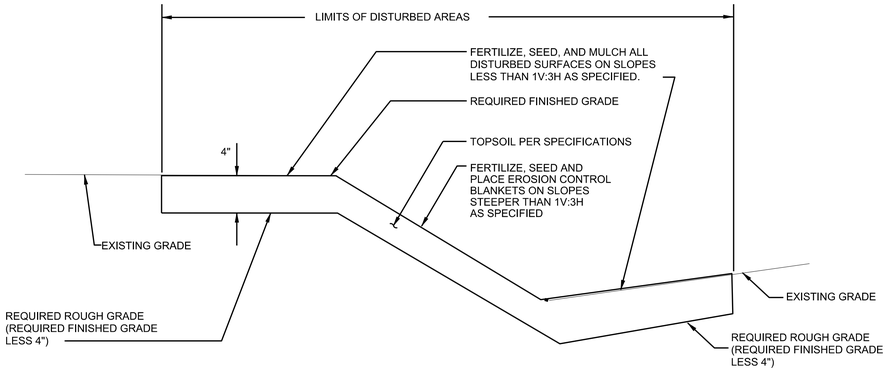
DONOHUE

Sheet No. 17

Drawing No. **400-PP-6**

GENERAL PIPING NOTES

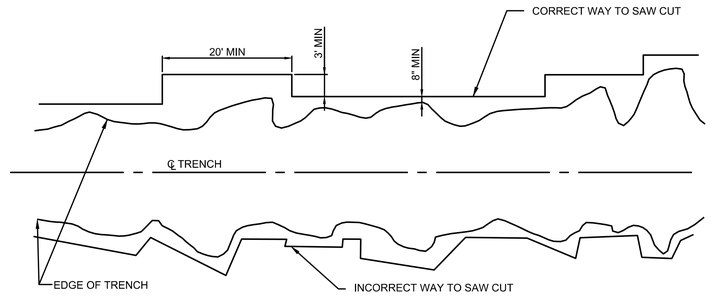
1. FOR MIDDLEBURY WATERMAIN PIPE INSTALLATION, REFER TO TOWN OF MIDDLEBURY DETAILS, FIGURE 5.2.
2. FOR MIDDLEBURY SANITARY SEWER AND FORCEMAIN PIPE INSTALLATION, REFER TO TOWN OF MIDDLEBURY DETAILS, FIGURE 3.1.
3. FOR BACKFILLING AROUND EXISTING UTILITIES, SEE DETAIL (C507).
3. PIPING SHALL BE INSTALLED ON A CONTINUOUS GRADE WITHOUT SAGS OR HUMPS BETWEEN ELEVATIONS INDICATED. CONTACT THE ENGINEER FOR GUIDANCE WHERE THIS IS NOT POSSIBLE.
4. THE EXACT HORIZONTAL LOCATION OF BENDS AND FITTINGS WITH NO COORDINATES GIVEN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE IN ACCORDANCE WITH THE GENERAL CONFIGURATION SHOWN. THE ENGINEER HAS PROVIDED ELEVATIONS OF BENDS AND FITTINGS SHOWN.
5. TRACER WIRE IS REQUIRED ON ALL PIPES. REFER TO TOWN OF MIDDLEBURY STANDARD SPECIFICATIONS AND DETAILS, FIGURE 8.1, 8.2, 8.3, AND 8.4.
6. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, DIMENSIONS, AND ELEVATIONS PRIOR TO CONSTRUCTION AND/OR FABRICATION.
7. SEE SPECIFICATION SECTION 01 11 00 FOR PROJECT WORK SEQUENCES AND CONSTRAINTS.
8. CONTRACTOR CAN DEFLECT FLEXIBLE PIPING IN LIEU OF FITTINGS TO ACHIEVE DESIRED LINES. DEFLECTION MUST BE WITHIN LIMITS INDICATED IN SPECIFICATIONS OR MANUFACTURERS LITERATURE, WHICHEVER IS MORE RESTRICTIVE.
9. CONTRACTOR IS DIRECTED TO SPECIFICATION SECTION 31 10 00. DETAILED UNDERGROUND INVESTIGATIONS ARE REQUIRED AS PART OF THIS SECTION. INVESTIGATIONS ARE REQUIRED AS PART OF THIS PROJECT TO DEVELOP A COMPREHENSIVE VIEW OF EXISTING CONDITIONS AND POTENTIAL INSTALLATION AND SEQUENCING CONFLICTS.
10. IN ACCORDANCE WITH SPECIFICATION SECTION 33 05 05, CONTRACTOR MUST RECORD NORTHING, EASTING, AND ELEVATION OF ALL BENDS AND FITTINGS INSTALLED. RECORD INFORMATION IN COORDINATE SYSTEM AND VERTICAL DATUM IDENTIFIED.
11. IF UNSTABLE SOILS THAT WILL NOT PROVIDE AN ADEQUATE PIPE FOUNDATION ARE ENCOUNTERED WITHIN A TRENCH, STABILIZE THE TRENCH BOTTOM IN ACCORDANCE WITH DETAIL (C509).
12. WATER MAIN MUST BE 10-FEET AWAY HORIZONTALLY, MEASURED EDGE TO EDGE, FROM SANITARY SEWER AND MANHOLES.
13. ALL PIPE CONNECTIONS TO EXISTING SANITARY OR STORM SEWER PIPES SHALL BE MADE WITH FERNCO STRONG BACK COUPLINGS. SEE DETAIL (C552).



TYPICAL TURF RESTORATION FOR TOPSOIL AND TURF C050

NTS

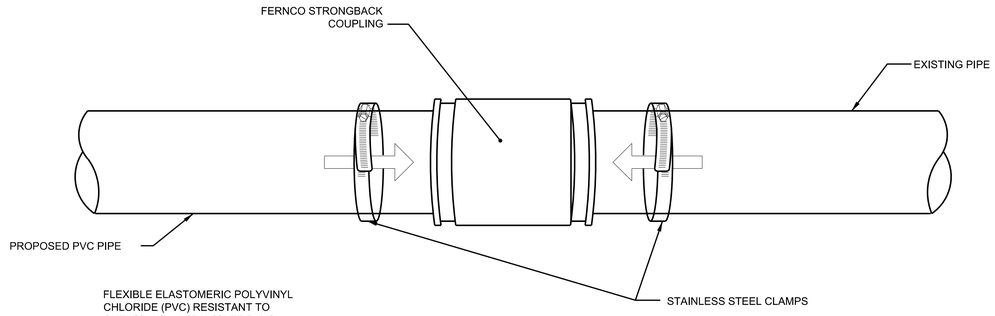
NOTE: THIS DETAIL IS INTENDED TO SHOW THAT:
A. 4" OF TOPSOIL IS TO BE PLACED ON ALL SURFACES TO HAVE TURF ESTABLISHED.
B. MULCH IS TO BE USED ON OTHER SLOPES LESS THAN 1V:3H.
C. EROSION CONTROL BLANKETS ARE TO BE USED ON ALL SLOPES STEEPER THAN 1V:3H.



NOTE:
WHEN SAW CUTTING THE PAVEMENT FOR TRENCH RESTORATION FOLLOWING CONSTRUCTION, ALL SAW CUTS SHALL BE MADE PARALLEL, OR PERPENDICULAR, TO THE CENTERLINE OF THE TRENCH. PARALLEL CUTS SHALL BE A MINIMUM LENGTH OF 20 FT. AND PERPENDICULAR CUTS SHALL BE A MINIMUM OF 3 FT. IN LENGTH.

PAVEMENT SAWCUTTING C180

NTS

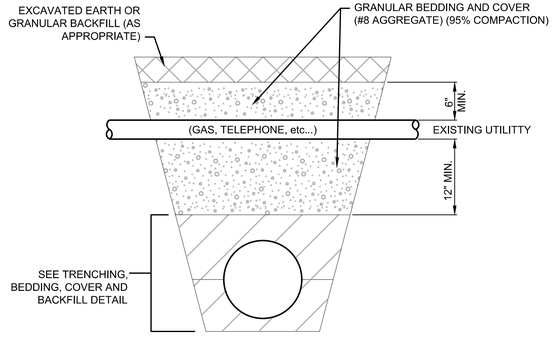


FLEXIBLE ELASTOMERIC POLYVINYL CHLORIDE (PVC) RESISTANT TO CHEMICALS, ULTRAVIOLET RAYS, FUNGUS GROWTH, NORMAL SEWER GASES AND ROOTS, COUPLING SHALL SEAL AGAINST INFILTRATION AND EXFILTRATION.

NOTE: THIS METHOD OF JOINING IS FOR GRAVITY SEWER 24" AND SMALLER.

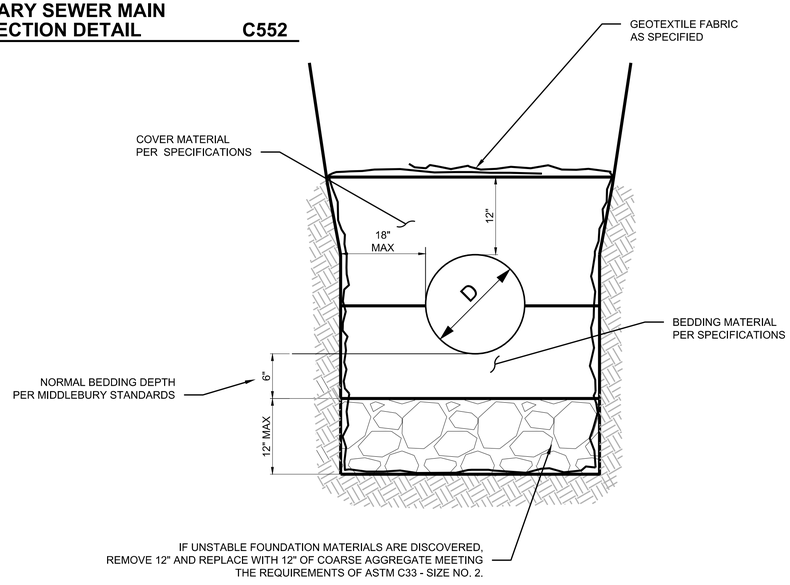
SANITARY SEWER MAIN CONNECTION DETAIL C552

NTS



BACKFILLING DETAIL AROUND EXISTING UTILITIES C507

NTS



PIPE TRENCH STABILIZATION C509

NTS

Revision Number	Revision Description	Drawn By	Checked By	Date

Designed By	MAS
Drawn By	MAS
Checked By	JLM
Approved By	MAS
Filename	999C1INT.DWG
Project No.	14757INT
Project Date	AUG 2026

TOWN OF MIDDLEBURY, INDIANA
INTERSECTION IMPROVEMENTS
AT CR 22 / ORPHA DR AND CR 37
MIDDLEBURY, IN

GENERAL NOTES, SCHEDULE, AND STANDARD DETAILS
CIVIL DETAILS

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2026.09.26 10:04:20-04'00'

DONOHUE

Sheet No. 18

Drawing No. 999-C-1

MIDDLEBURY INDIANA

MIDDLEBURY INTERSECTION IMPROVEMENTS

EROSION CONTROL - LINE "PR-B"
STA. 267+00 TO STA. 279+00

DRAWN: DJG	CHK'D: BJS
DESIGNED: EH	APPRV'D: BSS
DATE: 09/16/2026	
HORIZ. SCALE: 1" = 20'	
VERT. SCALE: N/A	
PROJECT NUMBER 25003	

NO.	REVISION	DATE

BARBARA K. SWIHART STUTZMAN REGISTERED No. PE10911254 STATE OF INDIANA PROFESSIONAL ENGINEER

Lochmueller Group, Inc.

MIDDLEBURY INDIANA

MIDDLEBURY INTERSECTION IMPROVEMENTS

EROSION CONTROL - LINE "PR-D"
STA. 403+00 TO STA. 415+00

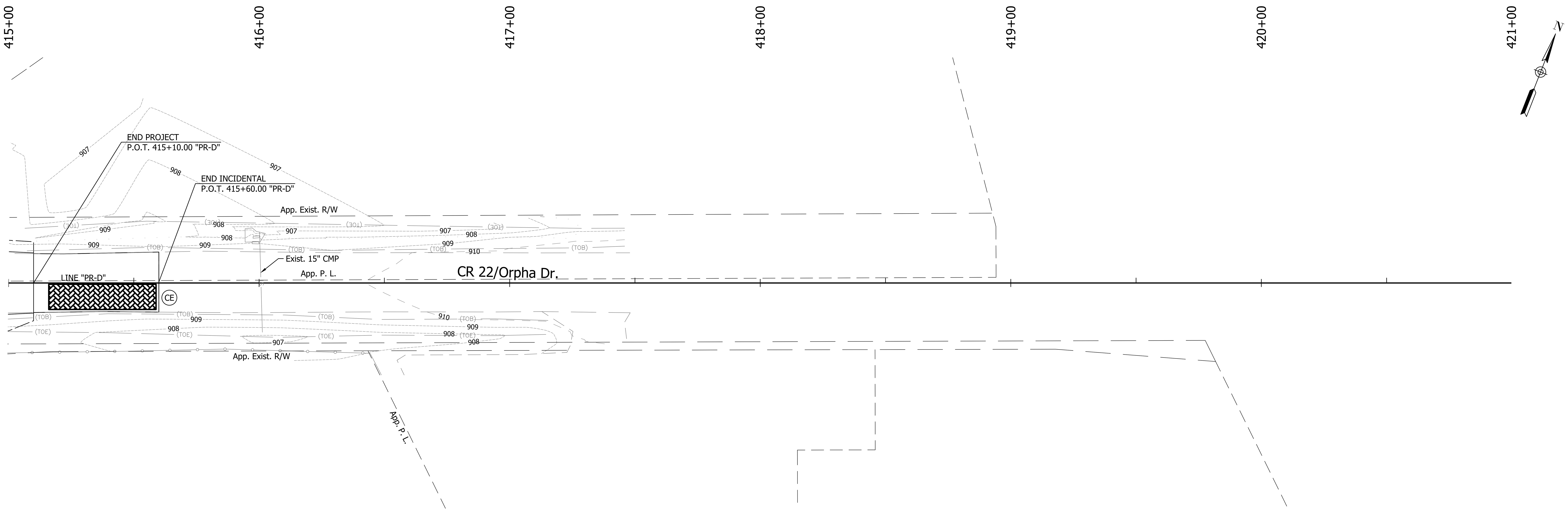
DRAWN: DJG	CHK'D: BJS	NO.	REVISION	DATE
DESIGNED: EH	APPRV'D: BSS			
DATE: 09/16/2026				
HORIZ. SCALE: 1" = 20'				
VERT. SCALE: N/A				
PROJECT NUMBER 25003				

BARBARA K. SWIHART STUTZMAN
REGISTERED No. PE10911254
STATE OF INDIANA
PROFESSIONAL ENGINEER

Barbie Swihart Stutzman

Lochmueller Group, Inc.

SHEET 20 OF 45



CE Construction Entrance

MIDDLEBURY	INDIANA
MIDDLEBURY INTERSECTION IMPROVEMENTS	
EROSION CONTROL - LINE "PR-D" STA. 415+00 TO STA. 421+00	

		NO.	REVISION	DATE
DRAWN: DJG	CHK'D: BJS	△		
DESIGNED: EH	APPRV'D: BSS	△		
DATE: 09/16/2026		△		
HORIZ. SCALE: 1" = 20'		△		
VERT. SCALE: N/A		△		
PROJECT NUMBER 25003		△		

BARBARA K. SWIHART STUTZMAN REGISTERED No. PE10911254 STATE OF INDIANA PROFESSIONAL ENGINEER

Barbie Swihart Stutzman

Lochmueller Group, Inc.

SHEET 21 OF 45

NATURE & PURPOSE OF CONSTRUCTION ACTIVITY

A-1 Index showing locations of required Plan Elements.
Sheet 25 (This Sheet)

A-2 Vicinity map depicting site location in relationship to local landmarks, towns, and major roads
Sheet 1 (Title Sheet)

A-3 Narrative describing the nature and purpose of the project.
The purpose of this project is to improve Orpha Dr and St 37 intersection in the City of Middlebury, IN

A-4 Project location latitude and longitude.
Latitude: 41.656684, Longitude: -85.714955

A-5 Legal Description of the Project Site
Specifically, the project site is located in:
- Indiana, Elkhart County, City of Middlebury, Middlebury USGS Quadrangle
  -- Middlebury Township: T37N, R7E, Sections 16, 15.

A-6 11 X 17-inch plat showing building lot numbers/boundaries and road layout/names.
See Plat No. 1, Sheet 2

A-7 100 year floodplains, floodways, and floodway fringes.
According to the enclosed FEMA FIRM map the project area is outside the 100 year flood plain.

A-8 Adjacent landuse
Adjacent land is dominated by residential and commercial properites.

A-9 Identification of any US EPA approved or established TMDL.
No named or identified TMDLs are located within the project watershed.

A-10 Identification of all receiving waters.
Little Elkhart River

A-11 Identification of discharges to a water on the current 303(d) list.
No waterbodies listed on the 303 (d) list are located within the project watershed.

A-12 Soils map including soil descriptions and limitations.
Soil Map was derived from the USGS Soil Survey of Elkhart County, IN. See enclosed soils map and report.

A-13 Location and name of all wetlands, lakes and water courses on and adjacent to the site.
There are no wetlands, lakes, or jurisdictional water courses within or adjacent to the project limits.

A-14 Notation of any State or Federal water quality permits.
Construction Stormwater General Permit (CSGP)

A-15 Identification of existing vegetative cover, including natural buffers.
Paved roadway, manicured lawns, city maintained grassy right-of-ways.

A-16 Existing site topography.
See Plan and Profile Drawings
See Cross-section Drawings

A-17 Locations where run-off enters the project site.
Runoff will enter the site from cross streets and sheet flow from adjacent vegetated and paved properties.

A-18 Locations where run-off discharges from the project site.
Stormwater runoff will exit the site via the Middlebury Municipal Stormwater system and roadside ditches.
See Plan Plan and Profile Drawings for these locations.

A-19 Location of existing stormwater systems/structures.
See Plan and Profile Drawings

A-20 Existing permanent retention or detention facilities.
Middlebury Municipal Stormwater Sewer system.

A-21 Identification of potential discharges to ground water.
There are no known areas within the project site where stormwater will be discharged to groundwater.

A-22 Project Area
Total Acreage: 2.35 acres

A-23 Proposed Land Disturbance
Total Acreage: 2.09 acres

A-24 Proposed final topography.
See Plan and Profile Drawings
See Cross-section Drawings

A-25 Locations and approximate boundaries of all disturbed areas.
Plan and Profile Drawings show the anticipated work areas.
Disturbance is anticipated to remain within the designated work areas.

A-26 Locations, size, and dimensions of all stormwater drainage systems.
Plan and Profile Drawings show location of the proposed stormwater system.

A-27 Specific points where stormwater discharge will leave the site.
The project drains into the Middlebury Municipal Storm Water Sewer system and will exit the site via road side ditches.
See Plan and Profile Drawings for these locations.

A-28 Locations of all proposed site improvements.
Plan and Profile/Cross Section Drawings show location of proposed improvements.

A-29 Locations of proposed soil stockpiles and/or borrow/disposal areas.
Offsite disposal of demolition debris is anticipated for this project. Waste sites shall be accepted by the Engineer prior to the start of any disposal operations. For each proposed disposal site, an IC-203 Request for Acceptance of Borrow or Disposal Site form shall be submitted to the Engineer a minimum of 14 days prior to the Contractor's planned start of disposal operations. All requests for acceptance of disposal sites shall be in accordance with INDOT Standard Specification 203.08(a).

A-30 Location of any construction support activities (i.e. laydown yard, concrete batch plant, staging areas, etc.).
Proposed laydown and material storage areas shall be identified by the Contractor and accepted by the Engineer prior to Contractor mobilization. Contractor shall be responsible for ensuring proper E&SC BMPs are installed around these areas to prevent sediment and chemical discharges into adjacent properties, water resources or stormwater systems.

A-31 Location of any in-stream activities.
No in-stream activities are proposed for this project.

Assessment of Stormwater Pollution Prevention Plan
Construction Component (Section B)

B-1 Description of potential pollutant sources associated with the construction activities:
Potential pollutant sources associated with this construction activity include those normally associated with construction equipment and construction activities such as: concrete wash out water, soil sediment, oils, fuels, hydraulic fluids, transmission fluids, brake fluid, antifreeze, greases, brake dust, etc. All heavy equipment shall be parked on site at a location, when not in use; leakage from the equipment will be captured by the surrounding terrain, and not be provided a direct path to the surrounding stormwater system. Sediment discharge will be controlled by proper work sequencing and proper installation of E&SC BMPs. Concrete wash out will be controlled through proper construction of concrete wash out containments.

B-2 Construction Entrance:
The Contractor shall install stable entrances/exits to keep mud and sediment off open public roads. Any mud, soil, rock, debris, etc. tracked onto open public roads shall be immediately removed. Suggested CE locations are shown in the SWPPP. CEs may be relocated or placed in alternative locations to better support Contractor's work sequence.
CEs shall be installed in accordance with INDOT standard drawing E-205-TECD-12.

B-3 Specifications for temporary and permanent stabilization:
Temporary surface stabilization shall be accomplished by the use of a temporary seed mixture along with temporary mulching. The temporary seed mixture shall be used to establish a temporary cover for disturbed soils during the construction operations. Temporary seeding (INDOT Seed Mix T) shall be placed on disturbed areas that are expected to be idle for 7 days or greater, or as directed by the Engineer. Placement of temporary surface stabilization shall be completed per INDOT Standard Specification 205.04.

Permanent surface stabilization shall be achieved by the use of pavement, sod and a permanent seed mixture (INDOT Seed Mixture R), along with mulching material and fertilizer. Placement of the permanent surface stabilization shall immediately follow final grading of an area and shall be completed per INDOT Standard Specification 621 unless otherwise specified.

B-4 Sediment control measures for concentrated flow areas:
Modified Check Dam (MCD): MCDs consist of geotextile fabric and aggregate, placed across drainage channels to slow stormwater runoff. Primarily used to prevent channel erosion in roadside ditches, they may also provide limited sediment control. MCDs shall be spaced so that the bottom of the upstream dam aligns with the weir of the downstream dam (toe-to-crest). MCDs shall be installed in accordance with INDOT Standard Drawing E205-TECD-06.

B-5 Sediment control measures for sheet flow areas:
Temporary Silt Fence (SF): A silt fence is a fabric barrier used to retain sediment from small, sloping, disturbed areas by reducing the velocity of sheet flow. Silt fence shall be installed around all stock piled soil and in the areas where there is potential for stormwater carrying solids to leave the site or into adjacent waterways. Silt fence shall be installed in accordance with INDOT Standard Drawing E 205-TECD-11 and manufacturer recommendations.
Vegetative Filter Strip (VFS): Vegetated filter strips are are where the ground cover is left undisturbed to filter runoff from the disturbed drainage area. All existing vegetation located outside of the construction limits shall not be disturbed. Working with perimeter protection, this vegetation will act as vegetative filters to help stabilize soil and remove sediment. In some cases, filter socks may not be required if a minimum 20-foot vegetative filter is left between disturbed areas and the edge of the site or a concentrated flow area.

B-6 Runoff control measures:
Concrete Washout (CW): Concrete washout areas shall be installed and utilized as containment for washing equipment of uncured concrete and associated liquids. They shall be constructed in accordance with INDOT Standard Specification 205.03 and detail on Sheet 26. All concrete washout water shall be discharged to a concrete washout area. CW's will be placed a minimum of 50 feet from any body of water and located away from inlets and stormwater conveyances. They shall be placed on stable material and in such a manner that all washout water is captured and contained in the CW.
Inlet Protection (IP): Inlets are designed to carry moderate and large flows of of storm water. Inlets transport sediment to streams, rivers, wetlands and lakes if they are not properly protected. This sediment control measure can be the last chance to remove sediment before storm water leaves the job site. Inlet protection shall be installed according to INDOT Standard Drawings E 205-TECD-02 through E 205-TECD-05 or another method approved by the engineer.
Filter Berm (FB): Used to trap sediment from long linear, disturbed areas by reducing velocity of sheet flow. Filter berms capture sediment by filtering storm water runoff and by ponding smaller amounts of water at their base to allow settling and deposition. Can be constructed with rock, compost or filter socks. Filter berms shall be constructed in location shown in the drawings and in accordance with Detail on Sheet 27.
Sediment Trap (ST): STs are placed to contain and minimize sediment release by pooling stormwater runoff and allowing time for suspended soil particles to settle. STs should be placed in ditches at the downstream end of the construction area before runoff exits the construction area and immediately before a ditch flows into a jurisdictional waterway. STs shall be constructed in accordance with INDOT Standard Drawing E 205-TECD-09.
Filter Sock (FS): See B-4 for details.
Vegetative Filter Strip (VFS): See B-5 for details.

B-7 Stormwater outlet protection specifications:
No outlet protection is anticipated for this project.

B-8 Grade stabilization structure locations and specifications:
Disturbed grades shall be stabilized in accordance with B-12 and as shown in the drawings.

B-9 Dewatering application and management methods:
Dewatering: While dewatering is not specified in the SWPPP design it may be required to remove water collected in excavations or other low areas. Proper outflow of the dewatering activity should be reviewed and planned for to prevent discharge of sediment laden runoff into adjacent storm sewer inlets. Dewatering components include pump, water filtering device (sediment bag), stabilized outlet, and secondary containment (check dam, silt fence, filter sock, etc.).
They shall be installed in accordance with detail located on the Erosion Control Detail Sheet.

B-10 Measures utilized for work within waterbodies:
No work within a waterbody is anticipated for this project.

B-11 Monitoring and maintenance guidelines for each proposed pollution prevention measure:
In accordance with INDOT Specification 205, the contractor shall develop a Storm Water Quality Control Plan (SWQCP). The SWQCP shall include the processes and procedures of how the Contractor intends to meet the requirements as outlined in INDOT Standard Specification 205 and the approved SWPPP. Any individual phase of the SWQCP shall be submitted to the Engineer for review a minimum of 14 calendar days prior to commencing earth disturbing activities for that phase. Temporary erosion and sediment control measures shall be self-inspected by the Contractor's SWQM, once every seven days and within 24 hours of a 1/2 inch measurable storm event. Inspections shall be documented and records shall be maintained by the Contractor's SWQM and be made available for review upon request. Records shall include, at a minimum: date, inspector's name, maintenance and corrections needed based on the inspection, and status of previously identified deficiencies. INDOT Form 108-c-192d: Storm Water, Erosion, and Sediment Control Inspection Report may be utilized and is available on INDOT's website for use. The temporary protection measures shall be returned to good working condition within 48 hours after inspection or as directed. Inspections shall continue until the entire contract is complete and has been permanently stabilized and the Notice of Termination has been filed with the reviewing authority.

Assessment of Stormwater Pollution Prevention Plan (Cont'd)
Construction Component (Section B)

B-11 Monitoring and maintenance guidelines for each proposed pollution prevention measure (Cont'd):

The following shall apply to maintaining the specific erosion and sediment control facilities:

- Construction Entrances:
  - Inspection
  - Verify entrances are where they are most effective.
  - Ensure entrances do not interfere with existing drainage patterns.
  - Inspect entrances each day they are being used.
  - Monitor tracking onto public roads and observe sediment being collected in the stone.
  - Maintenance
  - Redress #2 stone as necessary to provide clean stone with voids capable of trapping additional sediment.
  - Remove and replace #2 stone on construction entrances near sensitive areas or where redressing could cause a safety or drainage problems.
  - Sweep or otherwise remove sediment from public roads at the end of each day and throughout the day as necessary.
  - Reshape, resize or relocate ineffective construction entrances.
- Modified Check Dam
  - Inspection
  - Ensure center of dam is low and the sides are tied into the slopes so water flows across center of dam.
  - Check for #5 or #8 filter stone on front face. Ensure that filter stone extends up to the bottom of the weir.
  - Geotextile should extend 3 feet down slope beyond dam.
  - Check for channel erosion.
  - Maintenance
  - Remove sediment once it reaches one-half the height of the dam.
  - Repair or replace if damaged or ineffective.
  - If channel erosion is found, repair erosion and space dams closer so that the bottom of the upstream dam is aligned with the weir of the downstream dam.
- Silt Fence
  - Inspection
  - Check for torn, decomposed or ineffective fence.
  - Ensure fence is trenched in and placed along a contour.
  - Check for sediment accumulation and areas where fence has fallen.
  - Check for "J" hooks at the end of silt fence runs.
  - Maintenance
  - Repair or replace silt fence if torn, starting to decompose, damaged by construction equipment, or is ineffective.
  - At a minimum, remove sediment once it reaches one-half the height of the fence.
- Vegetative Buffers
  - Inspection
  - Inspect for the beginning of erosion rills or channel erosion.
  - Inspect for sediment accumulation.
  - Maintenance
  - Promptly repair any small rills that form.
  - Add fertilizer and soil amendments as needed to maintain healthy vegetation.
  - Mow as needed but not shorter that four inches.
  - Where filter strip has actively trapped sediment during construction; remove accumulated sediment, grade to design contours then stabilize with seed and mulch in accordance with B-3.
- Inlet Protection
  - Inspection
  - Look for damaged, clogged or ineffective materials.
  - Make sure stormwater is not bypassing or undercutting inlet protection.
  - Maintenance
  - Remove sediment after each storm event.
  - If measure is repeatedly damaged or clogged, consider additional erosion and sediment control measures upstream in a series.
  - Cleaning by flushing with water will not be allowed.
- Concrete Washout
  - Inspection
  - Make sure all concrete slurry can be contained within the washout provided. Construct additional washouts as needed.
  - Washout shall not be filled beyond 75% of capacity.
  - Inspect daily during concrete placement operations.
  - Ensure washout is completely contained with one sheet of plastic free of tears.
  - Dispose of cured concrete in a legal manner.
  - Maintenance
  - Repair or replace if leaks, spills or tears are found.
  - Provide additional concrete washout as needed to ensure adequate capacity.
- Filter Berm
  - Inspection
  - Monitor for sediment accumulation.
  - Identify locations where filter stone or filter medium appears clogged.
  - Look for areas that have been damaged by storm water or equipment.
  - Maintenance
  - Remove sediment once it reaches one-quarter the height of the berm.
  - Repair damaged areas as needed or directed.
  - Replace clogged filter stone.
- Sediment Trap
  - Inspection
  - Water shouldd drain within 72 hours of a rain event.
  - Check for clogged filter stone and sediment build up.
  - Maintenance
  - Remove sediment sediment once the sediment trap is one-half full.
  - Replace filter stone when water does not drain within 72 hours.

The SWQM, shall routinely inspect the overall performance of erosion and sediment control facilities and areas downstream of the project site. If eroded material/silt is apparent downstream from the facilities, some failure has occurred, and the inspector shall notify the Contractor and Engineer. The Contractor shall remove the accumulated sediment downstream and add additional erosion and sediment control measures to address the issues as necessary. The contractor shall implement all recommended solutions to the problem areas as recommended by the SWQM, Engineer, IDEM, or SWCD inspector within 48 hours.
Following completion of construction and final stabilization of all disturbed areas, the Contractor shall dismantle the remaining temporary erosion and sediment control elements. The contractor shall remove any unsuitable material from the site left from the erosion and sediment control measures. The disturbed areas, following removal of the temporary measures, shall be stabilized with permanent vegetation. When all construction is complete, temporary measures have been removed, and vegetation is established, the SWQM and Engineer shall complete a final release inspection.

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MIDDLEBURY	INDIANA		
MIDDLEBURY INTERSECTION IMPROVEMENTS		DRAWN: DJG	CHK'D: BJS
		DESIGNED: NMN	APPRV'D: BSS
EROSION CONTROL INFORMATION SHEET		DATE: 09/16/2026	
		HORIZ. SCALE: N/A	
		VERT. SCALE: N/A	
		PROJECT NUMBER 25003	

NO.	REVISION	DATE

BARBARA K. SWIHART STUTZMAN REGISTERED No. PE10911254 STATE OF INDIANA PROFESSIONAL ENGINEER
Barbie Swihart Stutzman
Lochmueller Group, Inc.

Assessment of Stormwater Pollution Prevention Plan (Cont'd)
Construction Component (Section B)

B-12 Planned construction sequencing:

Upon completion of the initial site inspection, and before any vegetation is removed from the site, this erosion and sediment control plan shall be implemented. The plan must be dynamic and ever changing as the project develops. Proper sequencing of work may reduce the amount of bare soil and therefore reduce the need for extensive erosion and sediment control measures. Every detail of stormwater and erosion protection cannot be planned in advance. The measures shown within these drawings are considered to be the minimum protection required. The contractor must be prepared to implement additional measures as needed to prevent sediment loss when weather or work activities dictate. Continual maintenance and updating of the plan by the construction contractor is of utmost importance. Below is a general sequencing of events for this erosion and sediment control plan. While the contractor shall dictate the actual sequencing of construction, erosion and sediment control measure shall be implemented as described below during each phase of construction.

1. Flag or denote all construction limits.
2. Contractor shall develop a Storm Water Quality Control Plan (SWQCP) that shall include a Concrete Waste Water Plan and establish areas for storage of potential pollutants (e.g. concrete washout, fuel storage, hydraulic fluids, etc.). SWQCP shall be provided to the Engineer a minimum of 14 days prior to commencement of earth moving activities.
3. A pre-construction meeting with the owner, contractor, and contractor's Storm Water Quality Manager (SWQM) shall be held.
4. Identify and protect all existing vegetation designated to be undisturbed.
5. Prior to removal of existing vegetation or pavement:
   - 5.1. Install perimeter protection, i.e. sediment trap, construction entrances, silt fence, filter sock, etc.
   - 5.2. Install inlet protection for all inlets that may receive sediment laden runoff.
   - 5.3. Install construction entrances as needed to prevent sediment from being carried onto public roads.
   - 5.4. Proposed locations for these measures are shown on the plans, but may need to be modified and/or replaced based on the contractor's approved SWQCP, sequence of work, or weather conditions.
6. Prior to placement of any concrete, install concrete washouts where needed and in accordance with approved Concrete Waste Water Plan to ensure that no concrete washout water enters road side ditches, comes in contact with the ground, or leaves the project limits.
   - 6.1. Concrete washouts shall be located no closer than 50 feet from any jurisdictional waterway, body of water, wetland or stormwater inlet.

B-13 Erosion and sediment control specifications for individual building lots:

Not applicable.

B-14 Material handling and spill prevention plan:

Contractor's SWQM will develop a Concrete Waste Water Plan that will be provided to the Engineer a minimum of 14 days prior to any concrete placement. Any onsite storage of hazardous materials/potential pollutants, such as diesel fuel, shall be stored onsite surrounded by an earthen dike or other secondary containment system having a storage volume equal to 150% of tank capacity, to contain potential pollutants. Any additional means of containing releases should be accessible to a petroleum storage area; this would include various absorbent materials. Furthermore, all equipment, when not in use, shall be parked onsite in an area that, should potential pollutants leak, will be contained within the immediate area and will not be inadvertently conveyed to drainage swales and away from the project. Any leakage of pollutants from storage vessels or equipment shall be cleaned up and disposed of offsite in a legal manner. In the event of a release, a licensed environmental consulting company shall be contacted for spill cleanup assistance. The spill shall be reported to both IDEM's 24-hour emergency response line at (888) 233-7745 and the City of Middlebury dispatch at (574) 825-1484 for local emergency response.

B-15 Material handling and storage procedures associated with construction activities:

Proposed waste storage areas shall be identified by the Contractor and accepted by the Engineer prior to Contractor mobilization. Garbage and construction debris shall be gathered and stored in a properly sized roll off dumpster. Tarps or other form of cover may be required to keep debris in dumpster during high winds. Concrete washout water shall be directed into leak-proof containers or leak-proof containment areas which are located and designed to divert stormwater run-off away from the measure. Size concrete washouts to prevent the discharge and/or overflow of wash water. Waste sites shall be accepted by the Engineer prior to the start of any disposal operations. For each proposed disposal site, an IC-203 Request for Acceptance of Borrow or Disposal Site form shall be submitted to the Engineer a minimum of 14 days prior to the Contractor's planned start of disposal operations. All requests for acceptance of disposal sites shall be in accordance with INDOT Standard Specification 203.08(a).

Stormwater Pollution Prevention Plan - Post Construction Component (Section C)

C-1 Description of pollutants and their sources associated with the proposed land use:

Additional pollutant sources will be from trash (both organic and inorganic), lawn chemicals, grass clippings, grit brought in from the existing surrounding roads from various vehicles (fuel, antifreeze, oil, grease, brake dust, brake fluid, transmission fluid, other hydrocarbons, etc.), pet and other animal waste, etc.

C-2 Description of proposed post construction storm water quality measures:

All disturbed areas within the construction limits not paved shall be graded, seeded, and established as permanent vegetated filter strips and swales in accordance with the INDOT Standard Specification 621 and the SWQCP. Chapter 8 of the Indiana SWQM identifies 81% removal of total suspended solids (TSS) through the use of vegetated swales. Vegetated filter strips are anticipated to remove greater than 81% TSS and will be the primary post construction storm water quality control measure.

C-3 Plan details for each stormwater measure:

Stormwater measures for this project consist of installation of new stormwater inlets and pipes, road side ditches, and construction of two retention basins. These new features shall be tied into the Middlebury Municipal Storm Water system.

C-4 Sequence describing stormwater quality measure implementation:

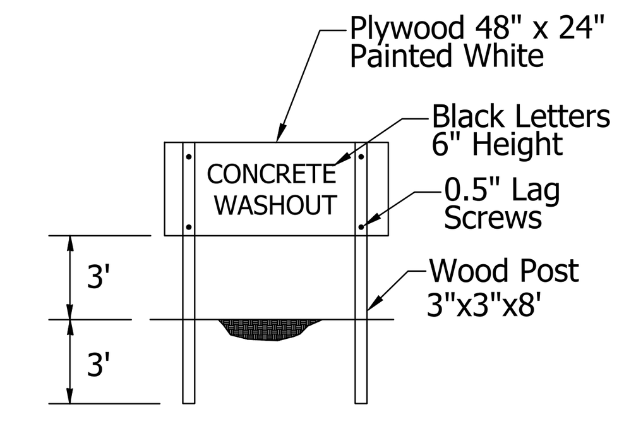
Immediately following final site grading, the site shall be stabilized in accordance with these drawings and B-3. All existing vegetation outside of the project limits will not be disturbed, this vegetation will continue to filter out pollutants from the stormwater prior to it leaving the site, and entering into the surrounding water sources.

C-5 Description of maintenance quidelines for proposed post-construction water quality measures:

Erosion and sediment control: Repair and revegetate eroded areas in the project site. Remove debris, grit, trash, etc. from stormwater inlets. These measures will be implemented, as needed, based on regular inspections by the City of Middlebury.

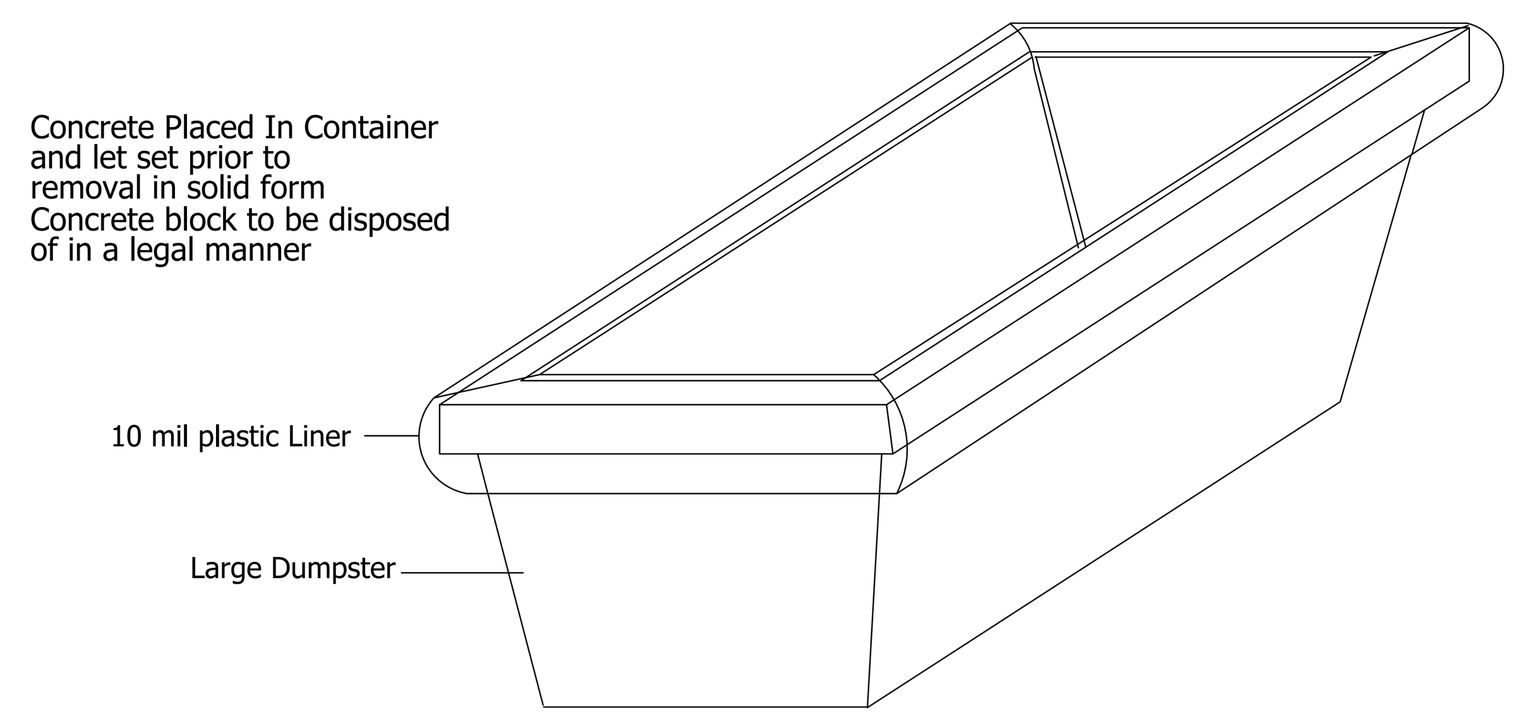
C-6 Entity responsible for operation and maintenance of post-construction stormwater measures:

Following construction, the area shall be maintained in by the City of Middlebury according to their standard operating procedures in regards to inspections, mowing, debris and litter removal, nuisance control, sediment removal, and general right-of-way maintenance.



CONCRETE WASHOUT SIGN DETAIL

Not to Scale



CWO CONCRETE WASHOUT - ABOVE GRADE SYSTEM

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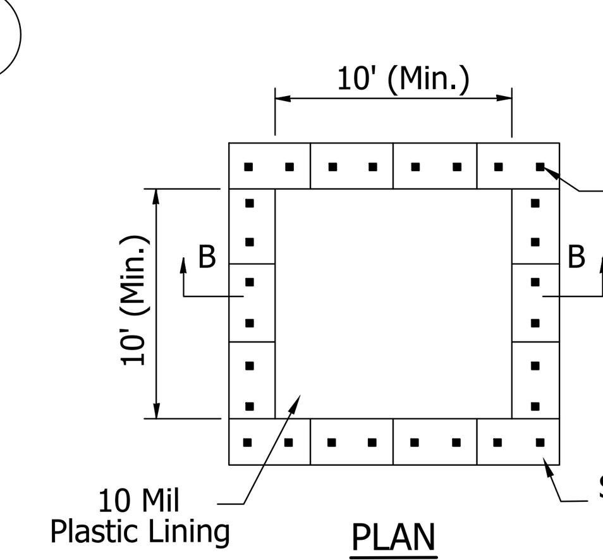

PLAN

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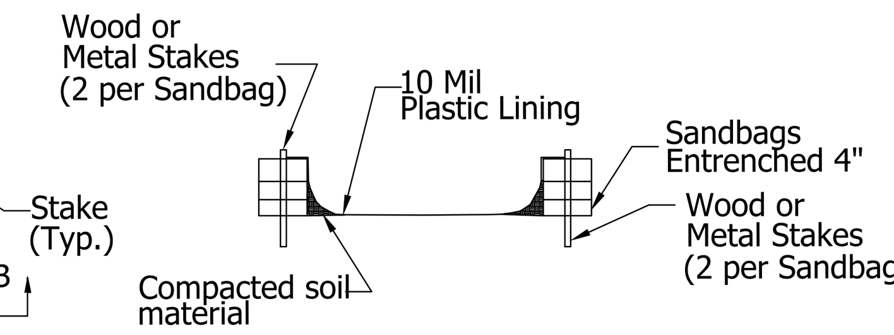
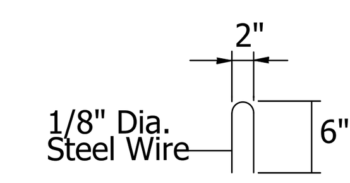
"Above Grade System" with Sandbags





Staple Detail

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CWO CONCRETE WASHOUT - ABOVE GRADE SYSTEM

Concrete Washout:

Concrete washout systems can be manufactured systems or systems constructed on site above grade.

Design Considerations:

* Sizing Considerations:
  - ** Storage volume of the containment structure should correlate to the anticipated amount of plastic cementitious material used for construction.
  - ** Washout sizing must must include provisions for mortar operations
    - *** Provide source of clean water for washing tools
    - *** Capture washwater and/or transfer to containment structure
  - ** Estimating washwater volumes for concrete deliveries can be highly variable due to weather, air temperature, product slump, concrete temperature, and number of chutes used:
    - *** One method to estimate washwater volume is to use 20 to 40 gallons per ready mix truckload (20 to 40 gallons x total cubic yards (~8 cubic yards per truckload) = total estimated gallons washwater generated)
    - *** For concrete pump trucks allow for a minimum of 50-gallons of washwater per pump use

* When sizing washout, contractor must include an additional 25% freeboard to ensure structure will not overtop.

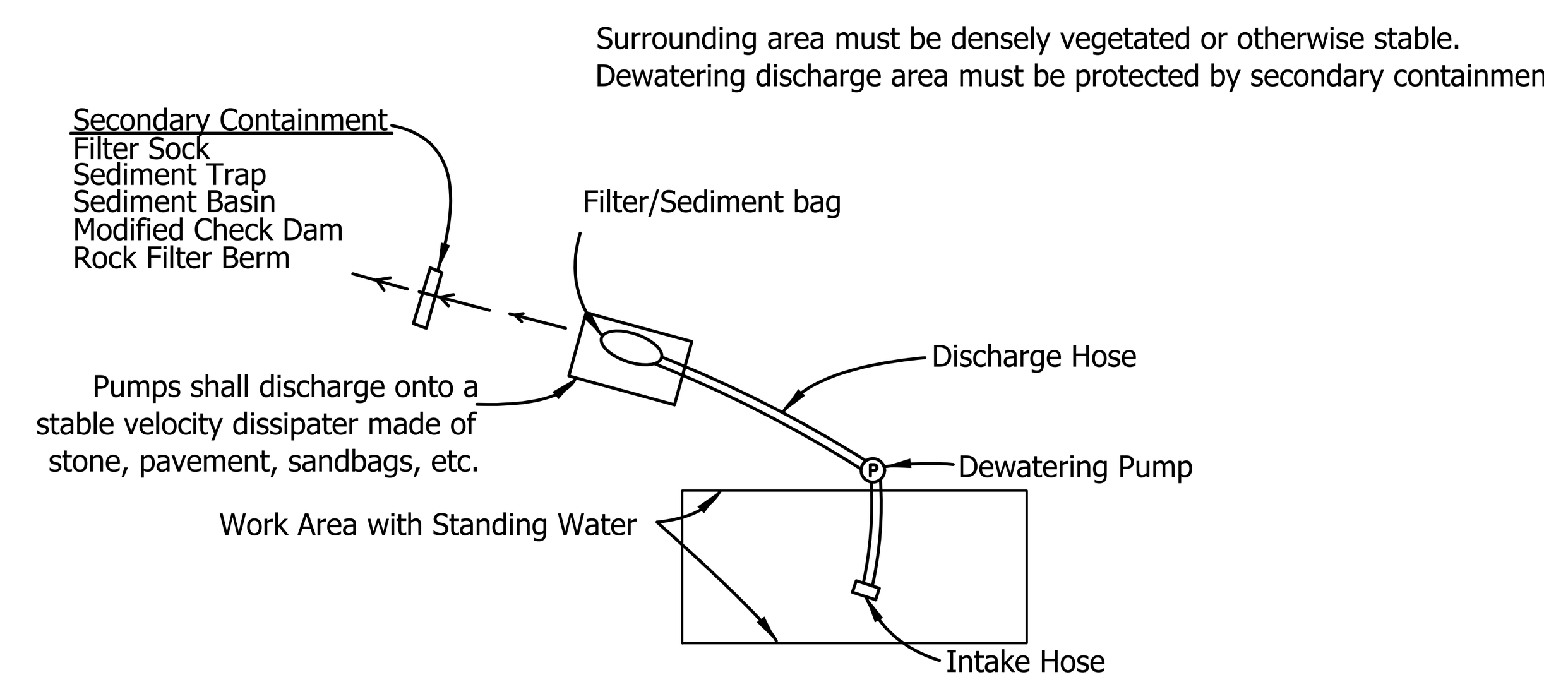
* System shall be designed to eliminate run-off and minimize precipitation from entering the washwater containment system.

Structure Specifications:

* Manufactured systems or disposable containments.
  - ** Use the required materials or components according to product specifications.

* Structures built on-site must be watertight.
  - ** Must have strength to resist failure or collapse for duration of the project or use.
  - ** Washout systems should be a minimum of ten feet wide by ten feet long, but sized to contain all liquid and waste that is expected to be generated between scheduled clean-out periods.
    - *** Washout size may be limited by the available size of polyethylene.
    - *** Polyethylene lining shall be a single continuous sheet, sufficient to adequately line the entire containment and have a minimum thickness of 10-millimeter.
    - *** Must be durable, resistant to washwater chemistry, and weathering or deterioration.
    - *** Must be free of defects, holes, rips or tears.
    - *** The bottom of the washout shall level and clean of sticks, stumps, rocks and other debris that may penetrate the liner.
  - ** Install signage identifying location of washwater containments/facilities and to discourage disposal of non-washwater materials into washout facilities.

* Provide maximum fill level indicator to allow sufficient capacity in the containment to avoid overfilling or overflows.
  - ** Containments shall not be filled beyond 75% of the containment capacity.



D DEWATERING

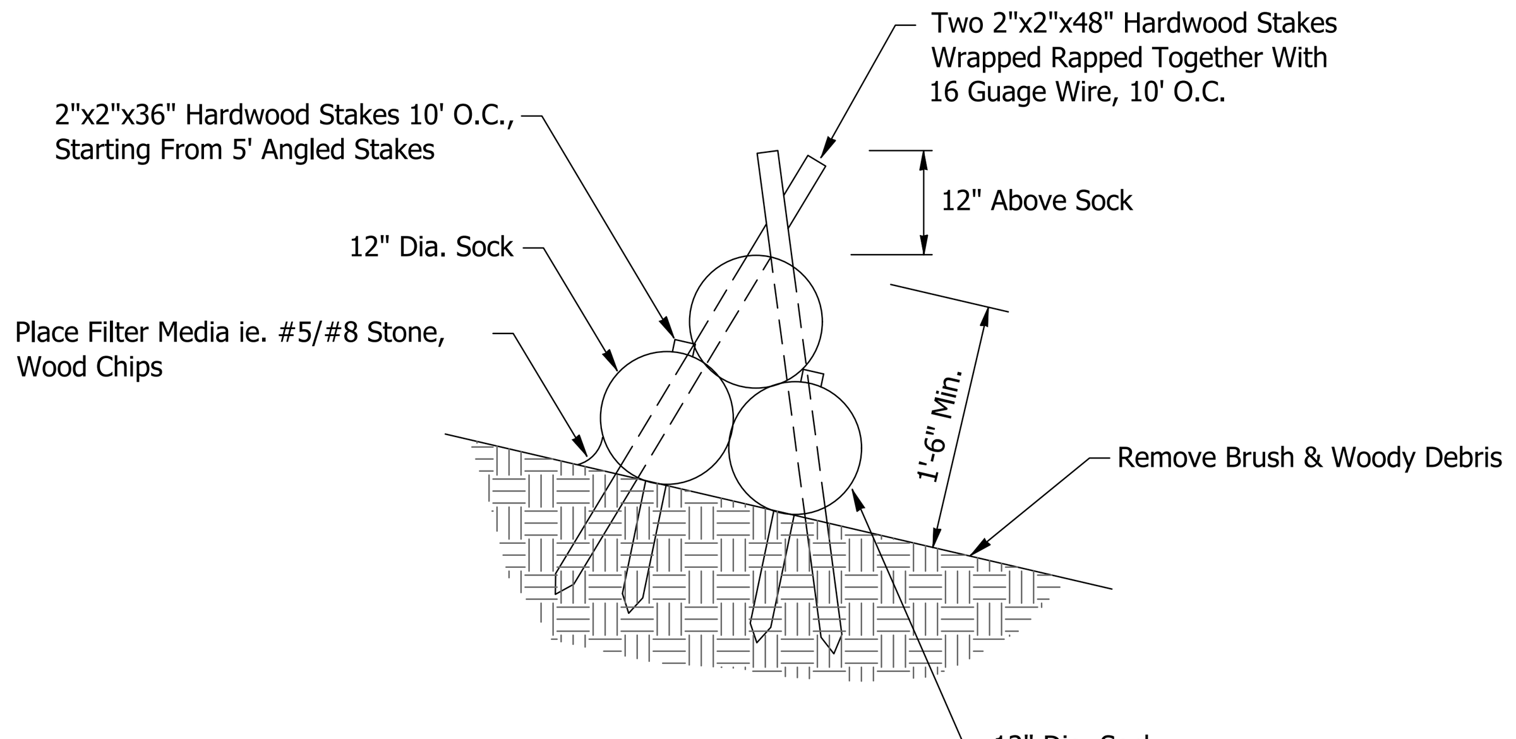
NOT TO SCALE

DEWATERING

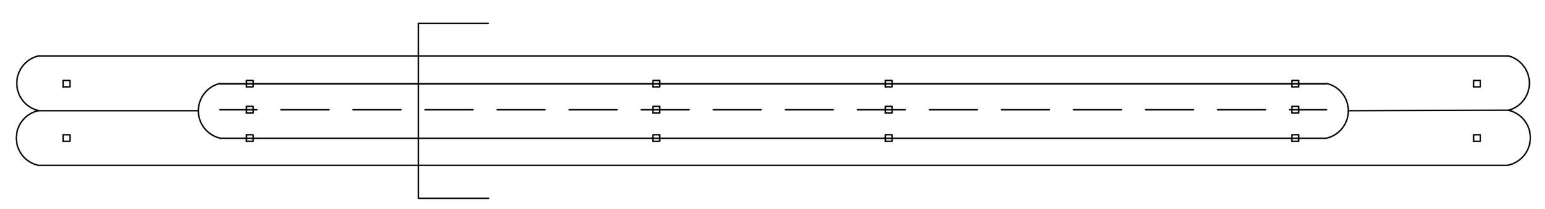
1. Dewatering of the project area shall be performed using a mechanical pump. A dewatering (filter) bag shall be securely connected to the end of the discharge hose. The suction hose shall be floated as long as possible to prevent the pump from pulling sediment from the bottom of the pooled area.
2. The dewatering bag may be of the single-use or reusable variety and shall be constructed of non-woven, polypropylene geotextile material. Each type and size of dewatering bag can handle varying rates of flow. The bag shall have for following minimum specifications:

Permittivity	Grab Tensile	Weight	Apparent Opening Size
1.4 sec	200 lbs	8 oz/yd^2	80 US Sieve

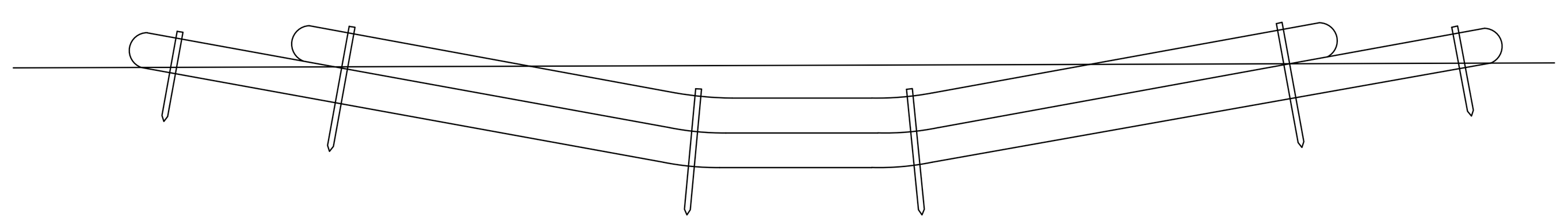
3. The dewatering bag shall be placed on a flat non-erodible surface. Placing the dewatering bag on top of an aggregate base will help to increase flow through the fabric by providing a larger surface area of discharge and prevent erosion of the supporting soils.
4. Water shall not be pumped from the project area at a rate faster than the manufacturer's maximum recommended flow rate of the dewatering bag.
5. Dewatering bags shall be placed in a location in which runoff will pass through additional sediment control measures prior to entering the channel (i.e. rock filter berm, check dam, sediment trap, etc.).
6. Following completion of dewatering, the sediment accumulated within the dewatering bag shall be removed from the bag and placed in an upland area.



SECTION A–A



PLAN VIEW



(FS) FILTER SOCK

(FB) FILTER BERM

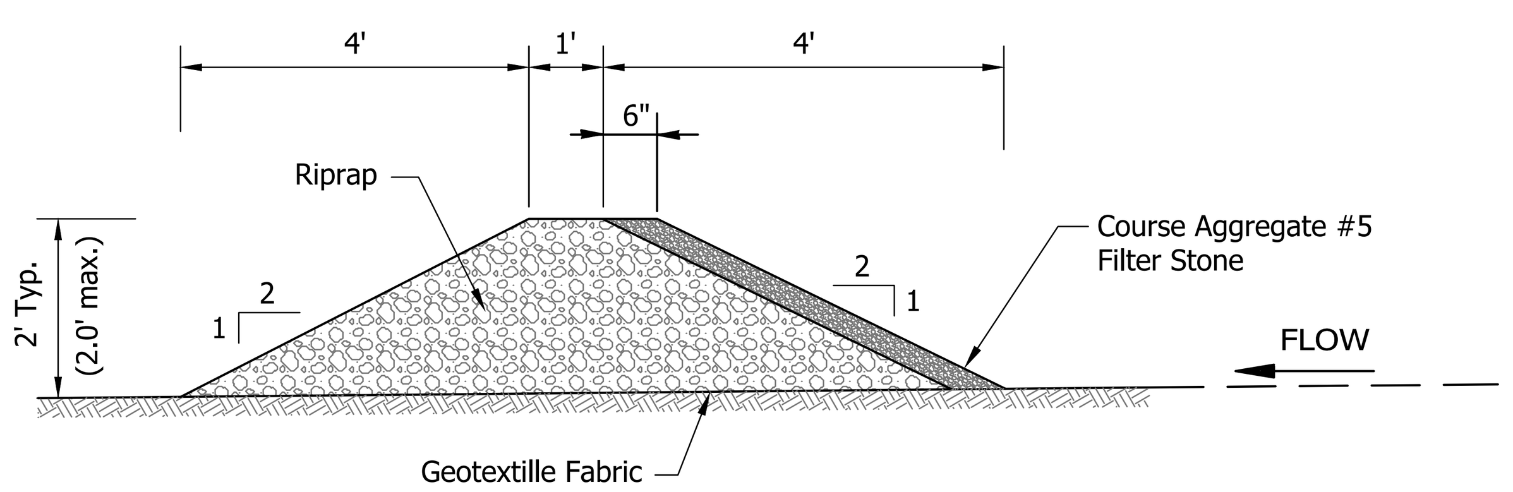
Not to Scale

Installation:

FS/FB Shall not exceed three socks in height and shall be staked in pyramidal form as shown above. Turn the ends of the rolls up slope such that the point of contact between the ground and the bottom of the fiber roll end terminates at a higher elevation than the top of the fiber roll at its lowest point. If more than one fiber roll is placed in a row, the socks should be overlapped; not abutted.

Inspection and Maintenance:

The Contractor shall maintain filter sock in a functional condition at all times and routinely inspect to see if material is functioning properly during storm events. The Contractor shall inspect fiber rolls weekly and within 24 hours of a rainfall event. Repairs to filter socks will be made within 24 hours of failure. The Contractor shall remove sediments collected at the base of the fiber roll when they reach 1/3 of the exposed height of the fiber roll, or as directed by the Engineer.



FILTER BERM- FIILTER STONE

Not to Scale

Materials & Specifications:

*INDOT Riprap
*INDOT CA No. 5 aggregate, CA No. 8 is acceptable if No. 5 aggregate is not available. The use of No. 8 stone may result in more frequent overtopping of the structure and will increase the frequency of structure maintenance.

Installation

1. Place riprap to a minimum height of 24". Tie the ends into a level contour proviging a minimum of 24" water pooling depth of the deepest point. Construct the berm such that it has a 1:1 or flatter outside slope and a 2:1 or flatter inside slope.

2. Cover the outside face of the filter berm with at least a 12 inch thick layer of INDOT CA No. 5 aggregate (for filtration). Maintain a 2:1 or flatter slope.

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MIDDLEBURY INDIANA

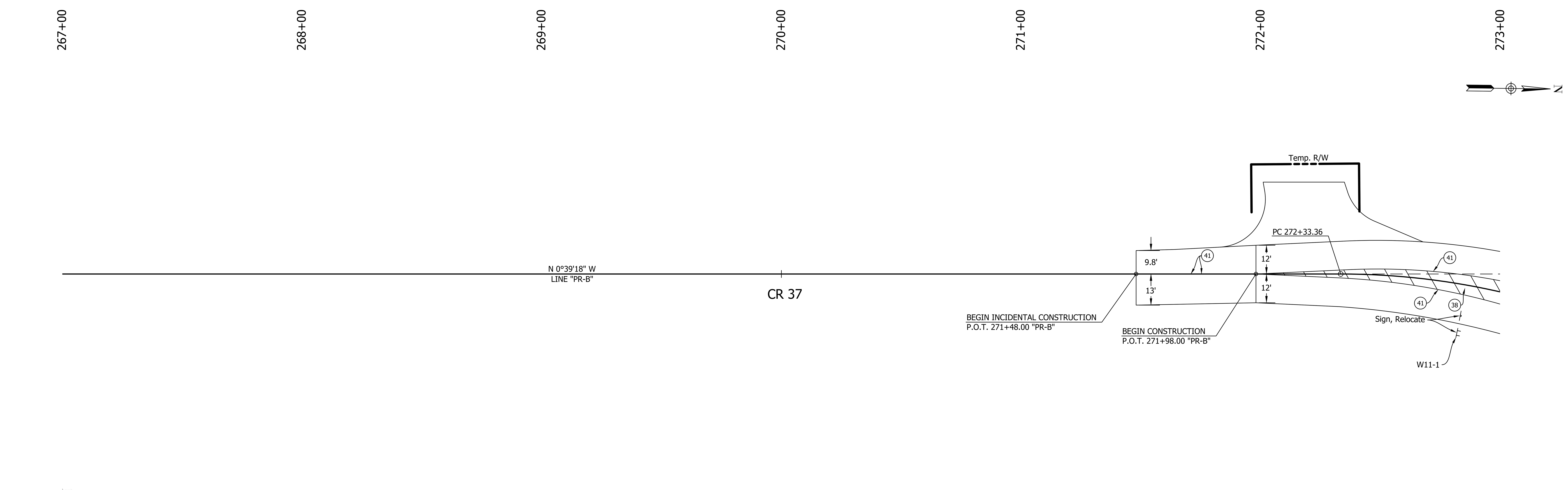
MIDDLEBURY INTERSECTION IMPROVEMENTS

EROSION CONTROL
DETAILS

DRAWN: DJG	CHK'D: BJS	NO.	REVISION	DATE
DESIGNED: NMN	APPRV'D: BSS			
DATE: 09/16/2026				
HORIZ. SCALE: N/A				
VERT. SCALE: N/A				
PROJECT NUMBER 25003				

BARBARA K. SWIHART STUTZMAN
REGISTERED
No. PE10911254
STATE OF INDIANA
PROFESSIONAL ENGINEER

Barbie Swihart Stutzman
Lochmueller Group, Inc.



(37)	Pavement Message Marking, Paint, Lane Indication Arrow
(38)	Transverse Marking, Paint, Crosshatch Line, Yellow, 12 IN.
(40)	Line, Paint, Solid, White, 4 IN.
(41)	Line, Paint, Solid, Yellow, 4 IN.
(44)	Transverse, Marking, Paint, Stop Line, White, 12 IN.
(45)	Transverse Marking, Paint, Stop Line, White, 24 IN.
(46)	Transverse Marking, Crosswalk Line, White, 12 IN.
(47)	Transverse Marking, Paint, Crosshatch Line, White, 12 IN.
┬┬	Sign, Sheet, with Legend, 0.080 IN.
(S)	Detectable Warning Surface

MIDDLEBURY INDIANA

MIDDLEBURY INTERSECTION IMPROVEMENTS

PAVEMENT MARKING PLAN - LINE "PR-B"
STA. 267+00 TO STA. 279+00

DRAWN: DJG	CHK'D: BJS	
DESIGNED: EH	APPRV'D: BSS	
DATE: 09/16/2026		
HORIZ. SCALE: 1" = 20'		
VERT. SCALE: N/A		
PROJECT NUMBER 25003		

NO.	REVISION	DATE

BARBIE K. SWIHART STUTZMAN REGISTERED No. PE10911254 STATE OF INDIANA PROFESSIONAL ENGINEER

Lochmueller Group, Inc.

(37) Pavement Message Marking, Paint, Lane Indication Arrow	(45) Transverse Marking, Paint, Stop Line, White, 24 IN.
(38) Transverse Marking, Paint, Crosshatch Line, Yellow, 12 IN.	(46) Transverse Marking, Crosswalk Line, White, 12 IN.
(40) Line, Paint, Solid, White, 4 IN.	(47) Transverse Marking, Crosshatch Line, White, 12 IN.
(41) Line, Paint, Solid, Yellow, 4 IN.	Sign, Sheet, with Legend, 0.080 IN.
(44) Transverse, Marking, Paint, Stop Line, White, 12 IN.	(S) Detectable Warning Surface

MIDDLEBURY — INDIANA

MIDDLEBURY INTERSECTION IMPROVEMENTS

PAVEMENT MARKING PLAN - LINE "PR-D"
STA. 403+00 TO STA. 415+00

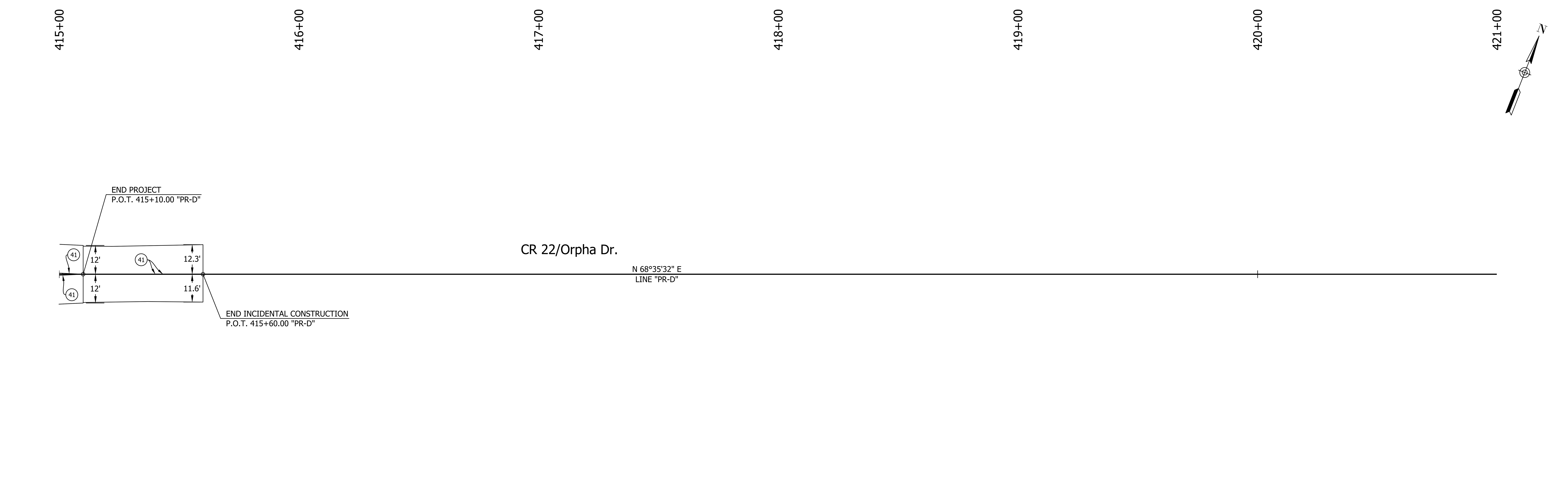
DRAWN: DJG	CHK'D: BJS
DESIGNED: EH	APPRV'D: BSS
DATE: 09/16/2026	
HORIZ. SCALE: 1" = 20'	
VERT. SCALE: N/A	
PROJECT NUMBER 25003	

NO.	REVISION	DATE

BARBARA K. SWIHART STUTZMAN — REGISTERED No. PE10911254 STATE OF INDIANA — PROFESSIONAL ENGINEER

Barbie Swihart Stutzman

Lochmueller Group, Inc.



SHEET SIGN & POST SUMMARY

SIGN									POST							
PLAN SHEET NO. / LINE	SIGN LOCATION (STA.)	SIGN CODE	SIGN SIZE (IN. x IN.)	GROUND - MOUNTED SIGN AREA (ft^2)			MOUNTED ON PANEL SIGN, AREA (ft^2)	SQUARE								
								2 1/2" X 2 1/2" - 12 GA. (TYPE 3)			2" X 2" - 12 GA. (TYPE 2)			2 1/4" X 2 1/4" - 12 GA. (TYPE 1)	
								UNREINFORCED ANCHOR			UNREINFORCED ANCHOR			REINFORCED ANCHOR	
								POST LENGTH (FT.)			POST LENGTH (FT.)			POST LENGTH (FT.)	
				0.080"	0.100"	0.125"	0.080"	1	2	TOTAL	1	2	TOTAL	1	TOTAL
PR-B	276+00.00	R1-1	18X18	2.25							11.0		11.0		
		R5-3	24X18	3.00											
PR-B	276+20.00	R1-1	18X18	2.25							11.0		11.0		
		R5-3	24X18	3.00											
PR-D	410+40.00	W11-15	30x30	6.25							11.0		11.0		
		W11-15P	24X18	3.00											
PR-D	410+50.00	R1-1	18X18	2.25							11.0		11.0		
		R5-3	24X18	3.00											
PR-D	410+60.00	R1-1	18X18	2.25							11.0		11.0		
		R5-3	24X18	3.00											
PR-D	410+70.00	W11-15	30x30	6.25							11.0		11.0		
		W11-15P	24X18	3.00											
				40	**0**								**66**		

(41) Line, Paint, Solid, Yellow, 4 IN.

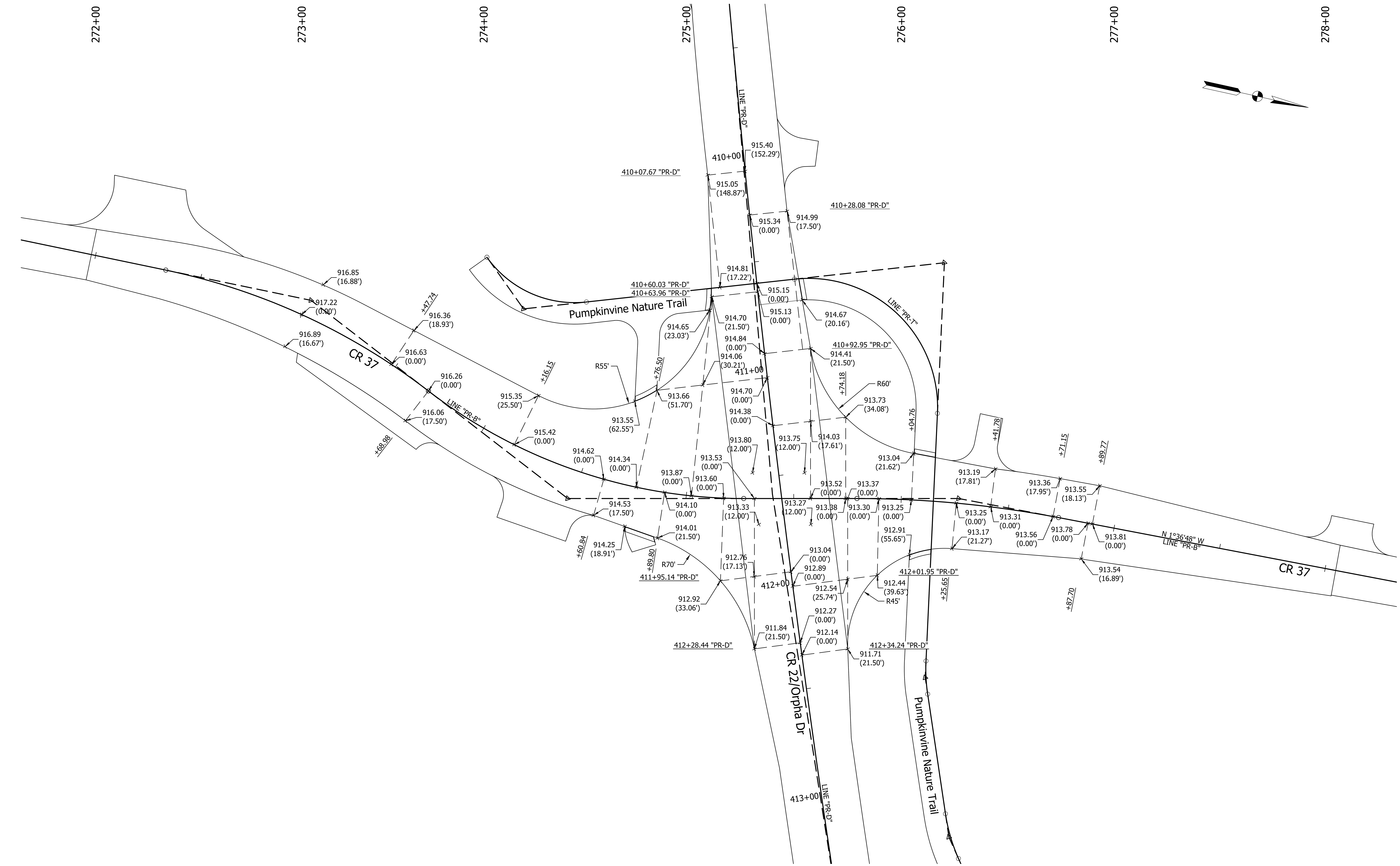
Sign, Sheet, with Legend, 0.080 IN.

MIDDLEBURY	INDIANA	DRAWN: DJG	CHK'D: BJS
MIDDLEBURY INTERSECTION IMPROVEMENTS		DESIGNED: EH	APPRV'D: BSS
		DATE: 09/16/2026	
PAVEMENT MARKING PLAN - LINE "PR-D" STA. 415+00 TO STA. 421+00		HORIZ. SCALE: 1" = 20'	
		VERT. SCALE: N/A	
		PROJECT NUMBER 25003	

NO.	REVISION	DATE

BARBARA K. SWIHART STUTZMAN
REGISTERED
No. PE10911254
STATE OF INDIANA
PROFESSIONAL ENGINEER

Lochmueller Group, Inc.



Note: Stations and offsets described from Line "PR-B" unless otherwise noted.

MIDDLEBURY	INDIANA	DRAWN: DJG	CHK'D: BJS	NO.	REVISION	DATE
MIDDLEBURY INTERSECTION IMPROVEMENTS		DESIGNED: EH	APPR'D: BSS			
		DATE: 09/16/2026				
SPOT ELEVATION DETAILS CR 37 & CR 22		HORIZ. SCALE: 1" = 20'				
		VERT. SCALE: N/A				
		PROJECT NUMBER 25003				

BARBARA K. SWIHART STUTZMAN
REGISTERED
No. PE10911254
STATE OF INDIANA
PROFESSIONAL ENGINEER

Lochmueller Group, Inc.

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	QC/QA-PCCP, 12 IN.	HMA FOR APPROACHES, TYPE C (LBS. PER SYS 660)	WIDENING WITH HMA, TYPE C (LBS. PER SYS 660)	HMA MATERIALS: HMA SURFACE, TYPE C, 9.5 mm (LBS. PER SYS 165)	HMA MATERIALS: HMA INTERMEDIATE, TYPE C, 19.0 mm (330)	HMA MATERIALS: HMA BASE, TYPE C, 25.0 mm (770)	HMA MATERIALS: HMA SURFACE, TYPE B (140)	HMA MATERIALS: HMA INTERMEDIATE, TYPE B (220)	HMA MATERIALS: JOINT ADHESIVE, SURFACE	HMA MATERIALS: JOINT ADHESIVE INTERMEDIATE	HMA MATERIALS: ASPHALT FOR TACKCOAT	COMPACTED AGGREGATE NO. 53 FOR SHOULDERS	COMPACTED AGGREGATE NO. 53 FOR SUBBASE, 4IN.	COMPACTED AGGREGATE NO. 53 FOR SUBBASE, 6IN.	DENSE GRADED SUBBASE	PCCP FOR APPROACHES, 6 IN.	SUBGRADE TREATMENT, TYPE II	SUBGRADE TREATMENT, TYPE III	GEOGRID, TYPE IB	MILLING, ASPHALT, 1 1/2 IN.	REMARKS
		FT	FT	FT	FT	SYS	SYS	SYS	%	%	%	%	CYS	CYS	FT	SYS	TON	TON	TON	TON	TON	TON	TON	LFT	LFT	TON	TON	CYS	CYS	CYS	SYS	SYS	SYS	SYS	SYS	
CR 37 - Line "PR-B"																											125.1									
271+48.00 to 271+98.00	Incidental	24.0	50.0																11.0					50.0		0.05									133.3	
271+98.00 to 273+34.00	Mainline	29.5	136.0																36.8	76.5	186.2			136.0	136.0	0.30						1695.0				
272+17.93	Class II Drive LT	33.9	25.0																											16.8	100.6	100.6		100.6		
273+34.00 to 275+28.00	Mainline	35.0	194.0																62.2	128.6	311.2			194.0	194.0	0.51										
273+44.54	Class IV (Mod.) Drive RT	68.9	6.0																											9.2	55.0	55.0		55.0		
274+37.79	Class IV Drive RT	33.9	15.0																											10.4	62.2	62.2		62.2		
275+63.00 to 276+88.00	Mainline	35.0	125.0																40.1	82.9	200.5			125.0	125.0	0.33										
276+36.92	Class II Drive LT	10.8	18.0																											4.4	26.7	26.7		26.7		
276+88.00 to 278+05.00	Mainline	29.5	117.0																31.6	65.8	160.2			117.0	117.0	0.26						1137.0				
278+05.00 to 278+55.00	Incidental	24.0	50.0																11.0					50.0		0.05									133.3	
278+08.35	Class II Drive LT	20.0	13.0																											5.5	33.0	33.0		33.0		
Intersection (Additional)																											58.0									
NW, SW, NE & SE (Total)																			56.0	120.0	302.0			914.0	914.0											
CR 22/Orpha Dr - Line "PR-D"																											188.5									
407+60.00 to 408+10.00	Incidental	24.0	50.0																11.0					50.0		0.05									133.3	
408+08.76	Class II (Mod.) Drive LT	17.5	20.0																											7.5	44.8	44.8		44.8		
408+10.00 to 409+26.00	Mainline	29.9	116.0																31.8	66.1	160.8			116.0	116.0	0.26						3068.0				
408+70.96	Class II (Mod.) Drive RT	10.5	18.0																											5.4	32.3	32.3		32.3		
409+13.00	Class II (Mod.) Drive RT	16.5	20.0																											8.0	47.8	47.8		47.8		
409+26.00 to 413+95.00	Mainline	35.0	469.0																150.5	311.0	752.4			469.0	469.0	1.24										
410+02.63	Class II Drive LT	11.6	16.0																											5.1	30.3	30.3		30.3		
413+95.00 to 415+10.00	Mainline	29.5	115.0																31.1	64.7	157.4			115.0	115.0	0.26										
415+10.00 to 415+60.00	Incidental	24.0	50.0																11.0					50.0		0.05									133.3	
Pumpkinvine Nature Trail - Line "PR-T"																											116.0									
0+00.00 to 1+11.72	SW Intersection	10	111.7																			8.8	13.8						39.7				183.2			
1+52.47 to 2+74.72	NW Intersection	10	122.3																			12.8	20.2						29.2				125.2			
1+52.47 to 2+74.72	NE Intersection	10	122.3																			14.1	22.2						47.0				201.4			
																													2.5							
N/A	SE Intersection	11.5	8.7																			0.8	1.2						1.1				11.2			
																			485.0	**916.0**	**2232.0**	**37.0**	**58.0**	**2386.0**	**2186.0**	**4.0**	**488.0**		**119.0**	**73.0**	**434.0**	**6334.0**	**522.0**	**434.0**	**534.0**	

MIDDLEBURY INDIANA

MIDDLEBURY INTERSECTION IMPROVEMENTS

APPROACH TABLE

DRAWN: DJG CHK'D: BJS
DESIGNED: EH APPRV'D: BSS
DATE: 09/16/2026
HORIZ. SCALE: N/A
VERT. SCALE: N/A
PROJECT NUMBER 25003

NO.	REVISION	DATE
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BARBARA K. SWIHART STUTZMAN REGISTERED No. PE10911254 STATE OF INDIANA PROFESSIONAL ENGINEER

Barbie Swihart Stutzman

Lochmueller Group, Inc.

STRUCTURE DATA TABLE

STRUCTURE NUMBER	LOCATION: STATION	LEFT	CROSS	RIGHT	SIZE (IN.)	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE AND TYPE	LENGTH (LFT)	TOP OF RIM (ELEV.)	COVER MIN (FT)	COVER MAX (FT)	FLOW LINE UP STREAM (ELEV.)	FLOW LINE DOWN STREAM (ELEV.)	SERVICE LIFE (YR)	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURE BACKFILL TYPE	STRUCTURE BACKFILL (CYS)	REVETMENT RIPRAP (TONS)	GEOTEXTILE (SYS)	VIDEO INSPECTION (LFT)	PIPE END SECTION (EA.)	CONNECT TO STR. NUMBER	REMARKS
Line PR-A																									
2	112+04.07	X			15	2	Inlet E7	90	909.00			905.00	904.75	75	Abs.	7		2	33			90		3	
3	112+94.09	X			15	2	Inlet F7	81	909.00			904.75	904.48	75	Abs.	7		2	31			81		5	
3A	113+33.20	X			15	2	MH C4	39	910.15			904.89	904.75	75	Abs.	7		2	19			39		3	
3B	213+27.74	X			15	2	Inlet E7	144	909.66			905.39	904.89	75	Abs.	7		2	56			144		3A	
4	114+08.31	X			15	2	Inlet F7	44	909.33			904.22	904.11	75	Abs.	7		2	21	2	27	44	1	Outlet	North 27' Installed in Phase 2
4A	115+00.06			X	15	2	Pipe	40				904.11	904.00	75	Abs.	7		2	15			40		Outlet	
4B	115+00.06	X			15	2	Inlet E7	92	908.98			904.46	904.21	75	Abs.	7		2	38			92		4	Added
5	112+94.09			X	15	2	Inlet F7	105	909.00			904.27	904.00	75	Abs.	7		2	46			105			Changed from E7 to F7
6	138+88.00	X			15	2	MH C4	45	906.69			904.75	904.37	75	Abs.	7		2	7			45			North 17' installed in Phase 2
6A	138+48.80			X	15	2	Pipe	28				904.37	904.12	75	Abs.	7		2	5			28		8	
7	139+50.00	X			15	2	MH C4	110	907.25			904.85	904.12	75	Abs.	7		2	22			110		8	
8	138+40.31	X			15	2	MH C4	240	906.35			904.12	903.64	75	Abs.	7		2	44			240		8A	
8A	136+00.00			X	15	2	Inlet F7	52	907.04			903.64	903.53	75	Abs.	7		2	15	2	27	52	1	Outlet	Added
9	145+00.00			X	15	2	Pipe	65	909.00			903.75	903.06	75	Abs.	7		2	32			65		10	
10	144+36.00			X	15	2	Inlet F7	91	905.00			903.06	902.83	75	Abs.	7		2	14			91		11	
11	143+46.00			X	15	2	Inlet F7	63	906.13			902.83	902.64	75	Abs.	7		2	18	2	27	63	1	Outlet	
Line PR-B																									
3B	214+27.24	X			15	2	Inlet E7	144	908.90			905.39	904.89	75	Abs.	7		2	45			144		3A	

DITCH SUMMARY TABLE

LOCATION: FROM STATION	TO STATION	LEFT	MEDIAN	RIGHT	ACTUAL LENGTH (LFT)	SODDING: FOR DITCHES (SYS)	FOR MEDIAN (SYS)	FOR SHOULDER BREAK (SYS)	SODDING AT BRIDGE CONE (SYS)	TOTAL SODDING (SYS)	NURSERY SODDING FOR LAWNS (SYS)	RIPRAP DITCH (TON)
273+50.50	274+49.67	X			99	175				175		
410+76.55	411+37.18	x			61	55				55		
411+89.56	412+31.30			x	42	70				70		
412+34.22	413+53.80	x			120	0				0		
TOTAL										300		0

PAVEMENT MARKINGS SUMMARY OF QUANTITIES

LOCATION	LINE, PAINT: Solid White 4 IN. (LFT)	LINE, PAINT: Solid Yellow 4 IN. (LFT)	LINE, PAINT: Broken White 4 IN. (LFT)	TRANSVERSE MARKING, PAINT, CROSSHATCH LINE: White 12 IN. (LFT)	CROSSHATCH LINE: Yellow 12 IN. (LFT)	TRANSVERSE MARKING, PAINT, STOP LINE: White 12 IN. (LFT)	STOP LINE: White 24 IN. (LFT)	TRANSVERSE MARKING, PAINT, CROSSWALK LINE: White 12 IN. (LFT)	CROSSWALK LINE: Yellow 12 IN. (LFT)	PAVEMENT MESSAGE MARKING, PAINT LANE INDICATION ARROW (EACH)	GROOVING FOR PAVEMENT MARKINGS (LFT)	Remarks
CR 37 - Line "PR-B"												
271+48.00 to 275+13.00	87	616		196	60		40	118		2		
275+85.00 to 278+55.00		523		154	91		24	92				
CR 22/Orpha Dr - Line "PR-D"												
407+60.00 to 411+25.00	86	616		140	52			84		2		
411+95.00 to 415+60.00	100	630			60					2		
Trail - Line "PR-T"												
0+00.00 to 1+11.72	45					15						
1+32.93 to 2+74.72	30					10						
3+17.42 to 4+97.63	15					5						
TOTAL	**363**	**2,385**		**490**	**263**	**30**	**64**	**294**		**6**		

MAILBOX APPROACHES

LT./RT.	℄ BOX STATION	DESCRIPTION	WIDTH, W (FT)	ASSEMBLY REQ'D: SINGLE	ASSEMBLY REQ'D: DOUBLE
Lt	276+63	Line "PR-B"		1	
Lt	277+85	Line "PR-B"		1	
Rt	409+35	Line "PR-D"		1	
		TOTAL		**3**	

MIDDLEBURY INDIANA

MIDDLEBURY INTERSECTION IMPROVEMENTS

MISCELLANEOUS TABLES

DRAWN: DJG	CHK'D: BJS
DESIGNED: EH	APPRV'D: BSS
DATE: 09/16/2026	
HORIZ. SCALE: N/A	
VERT. SCALE: N/A	
PROJECT NUMBER 25003	

NO.	REVISION	DATE
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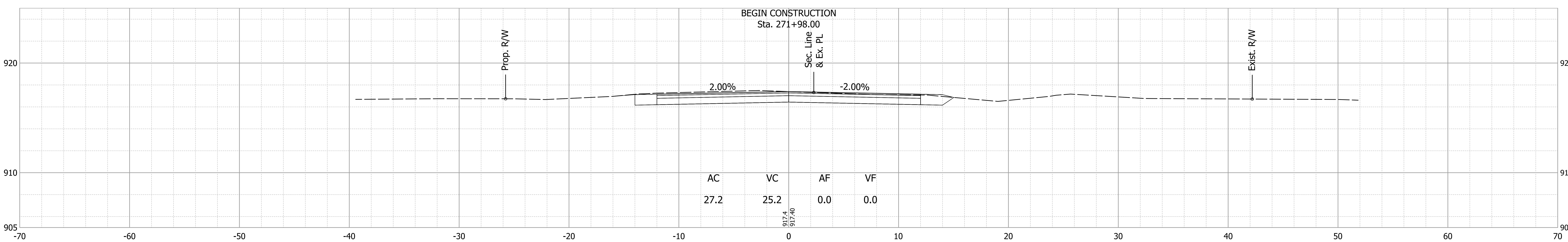
△		
△		
△		

BARBARA K. SWIHART STUTZMAN REGISTERED No. PE10911254 STATE OF INDIANA PROFESSIONAL ENGINEER

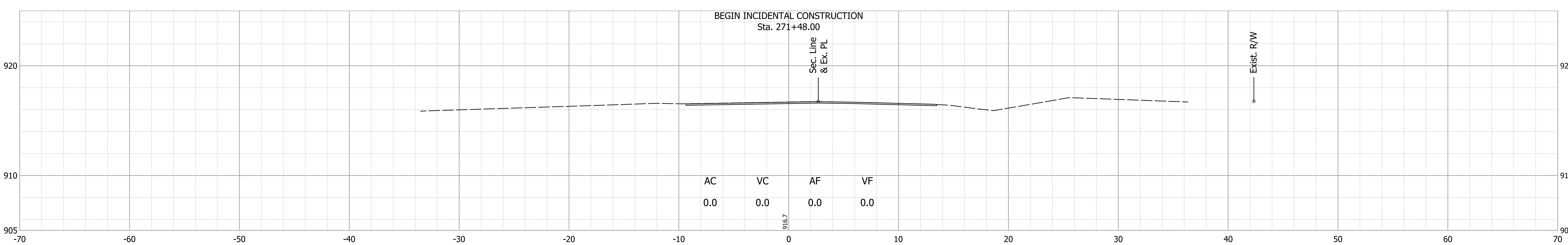
Barbie Swihart Stutzman

Lochmueller Group, Inc.

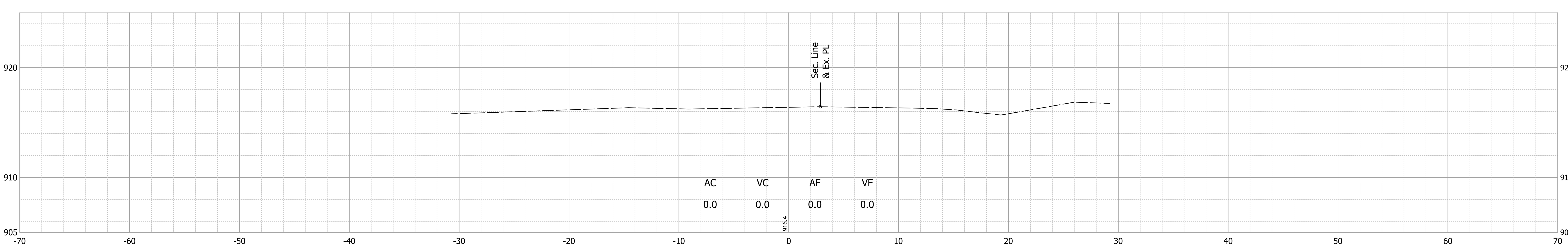
271+98



271+48



271+25



MIDDLEBURY | INDIANA

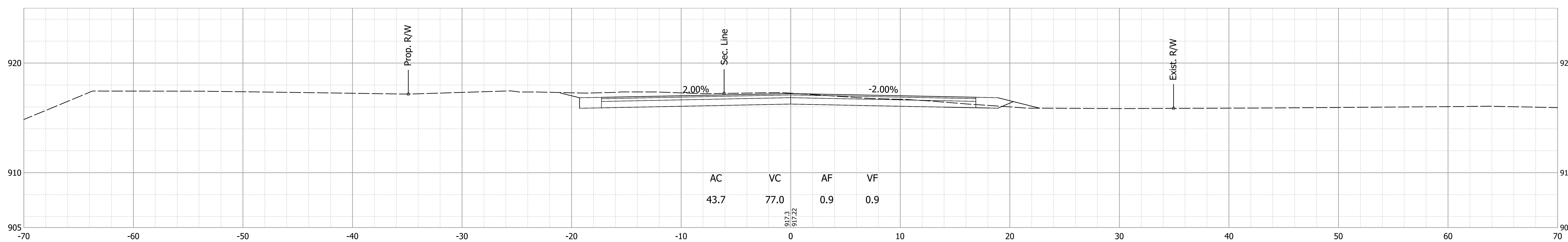
MIDDLEBURY INTERSECTION IMPROVEMENTS

CROSS SECTIONS - LINE "PR-B"

DRAWN: DJG	CHK'D: BJS	NO.	REVISION	DATE
DESIGNED: EH	APPRV'D: BSS			
DATE: 09/16/2026				
HORIZ. SCALE: 1" = 5'				
VERT. SCALE: 1" = 5'				
PROJECT NUMBER 25003				

Lochmueller Group, Inc.

273+00



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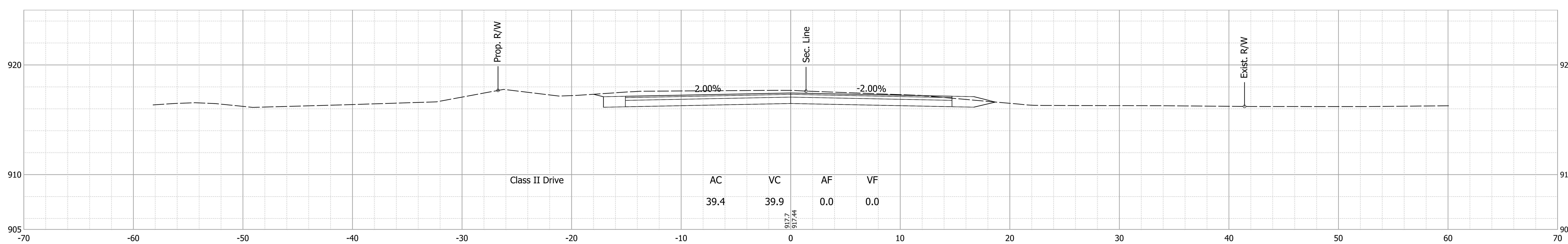
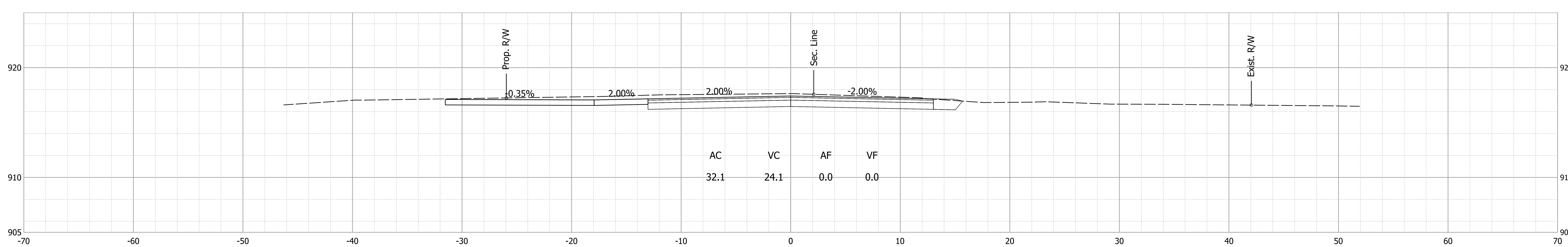


272+19.90



MIDDLEBURY INDIANA

MIDDLEBURY INTERSECTION IMPROVEMENTS

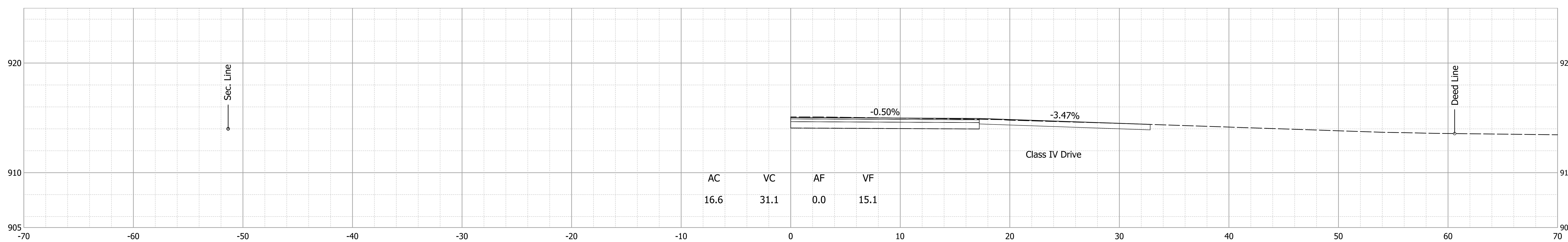
CROSS SECTIONS - LINE "PR-B"

DRAWN: DJG	CHK'D: BJS	
DESIGNED: EH	APPRV'D: BSS	
DATE: 09/16/2026		
HORIZ. SCALE: 1" = 5'		
VERT. SCALE: 1" = 5'		
PROJECT NUMBER 25003		

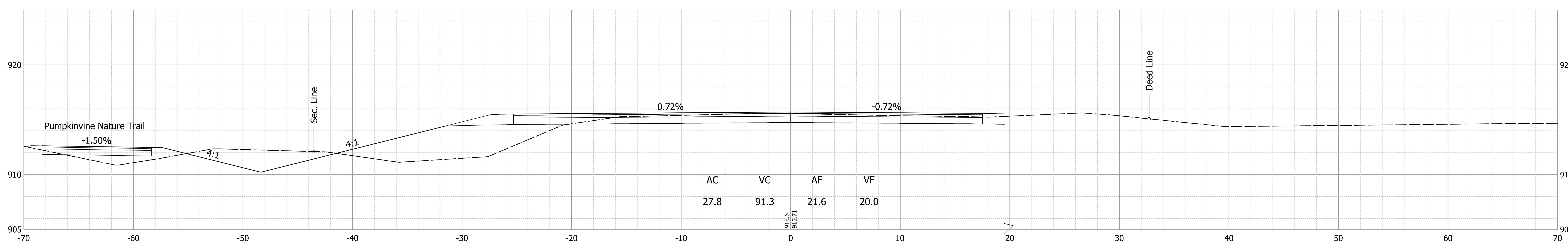
NO.	REVISION	DATE

Lochmueller Group, Inc.

274+37.79



274+00



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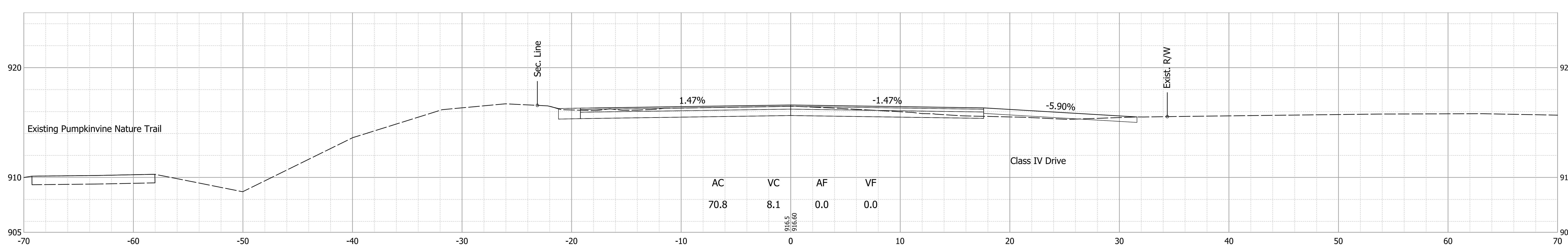


MIDDLEBURY INDIANA

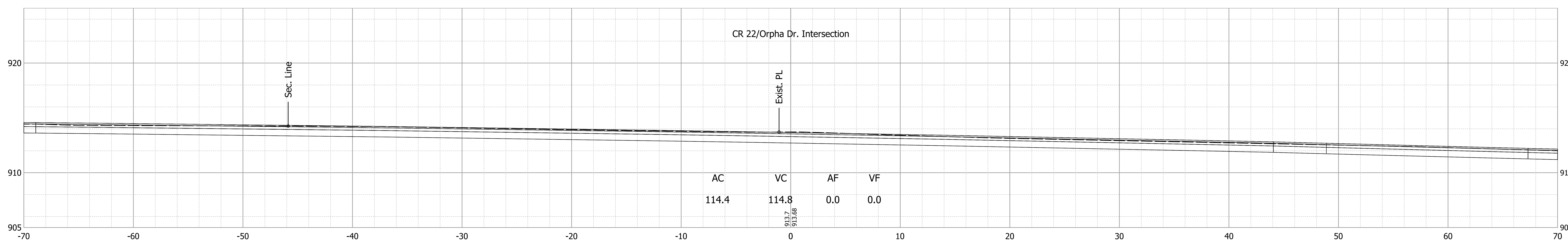
MIDDLEBURY INTERSECTION IMPROVEMENTS

CROSS SECTIONS - LINE "PR-B"

DRAWN: DJG	CHK'D: BJS	NO.	REVISION	DATE
DESIGNED: EH	APPRV'D: BSS			
DATE: 09/16/2026				
HORIZ. SCALE: 1" = 5'				
VERT. SCALE: 1" = 5'				
PROJECT NUMBER 25003				

Lochmueller Group, Inc.

275+50



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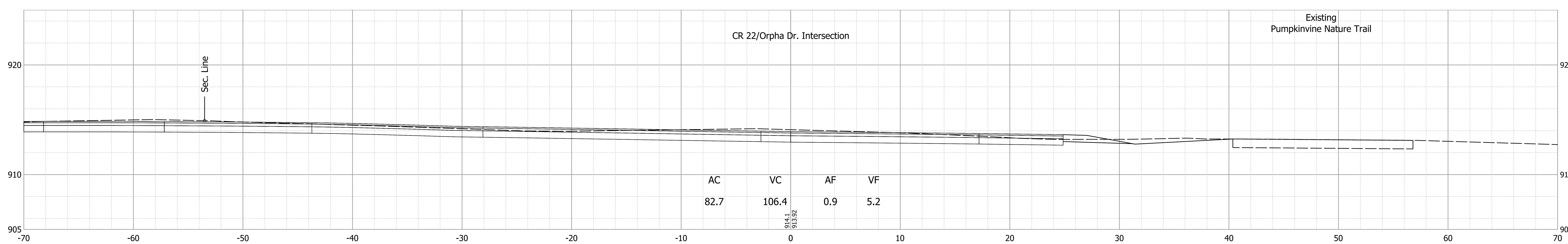

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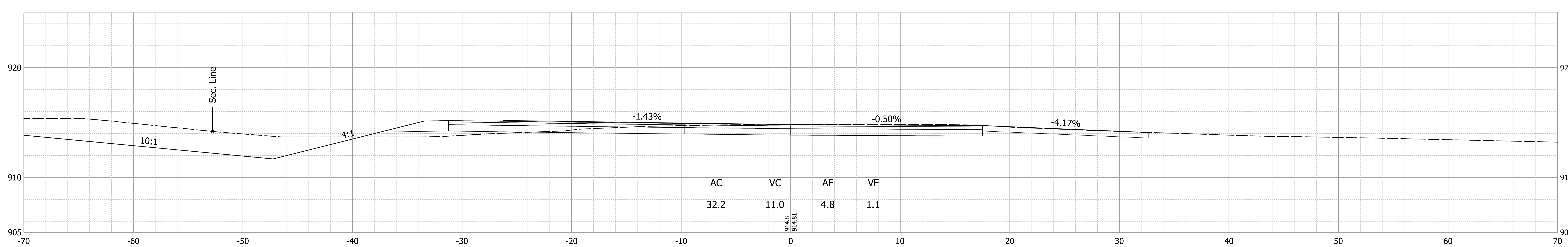


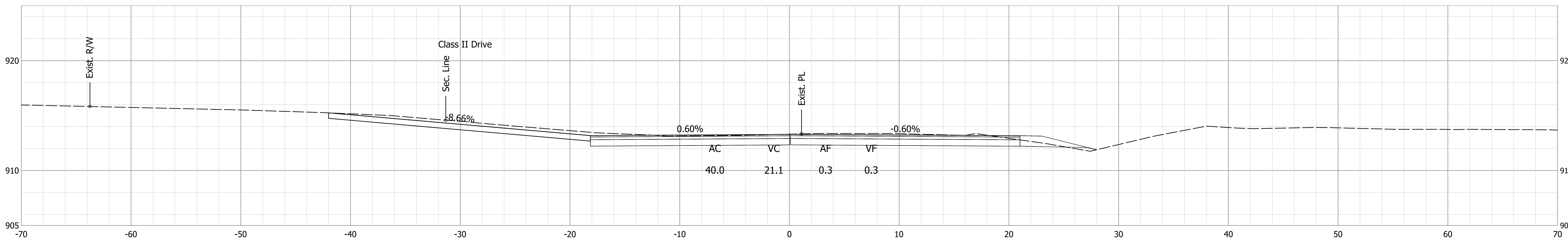
MIDDLEBURY			INDIANA
MIDDLEBURY INTERSECTION IMPROVEMENTS			
CROSS SECTIONS - LINE "PR-B"			

DRAWN: DJG	CHK'D: BJS	NO.	REVISION	DATE
DESIGNED: EH	APPRV'D: BSS			
DATE: 09/16/2026				
HORIZ. SCALE: 1" = 5'				
VERT. SCALE: 1" = 5'				
PROJECT NUMBER 25003				

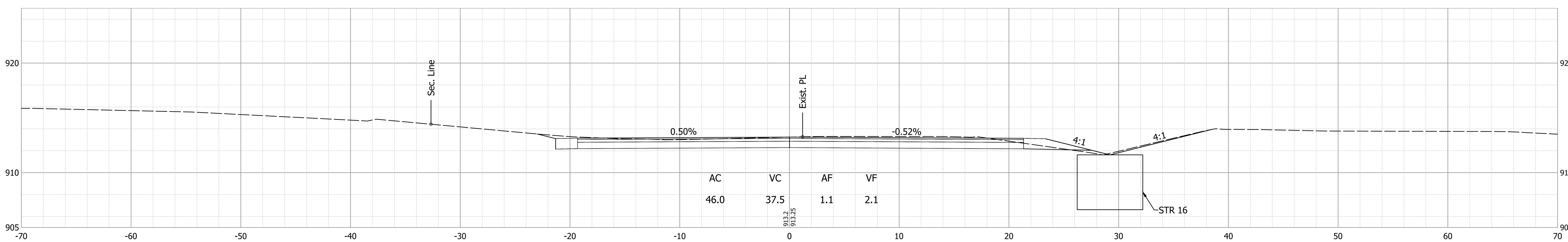
Lochmueller Group, Inc.

SHEET 34
OF 45

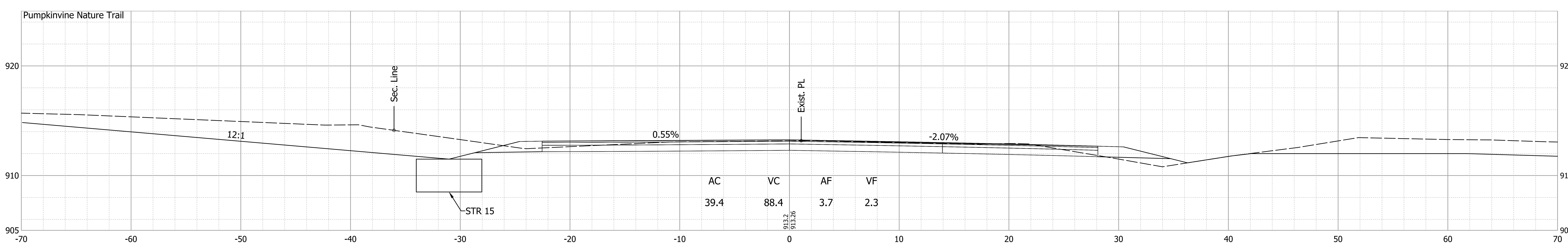
276+36.92



276+23.68



276+00



MIDDLEBURY | INDIANA

MIDDLEBURY INTERSECTION IMPROVEMENTS

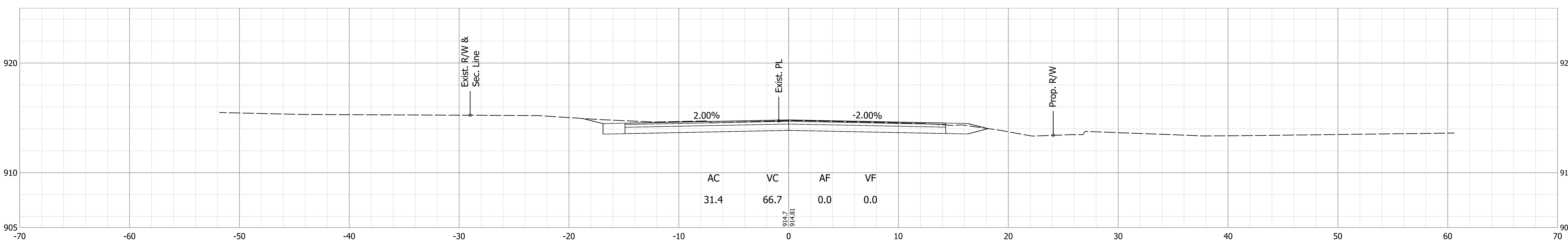
CROSS SECTIONS - LINE "PR-B"

DRAWN: DJG	CHK'D: BJS
DESIGNED: EH	APPRV'D: BSS
DATE: 09/16/2026	
HORIZ. SCALE: 1" = 5'	
VERT. SCALE: 1" = 5'	
PROJECT NUMBER 25003	

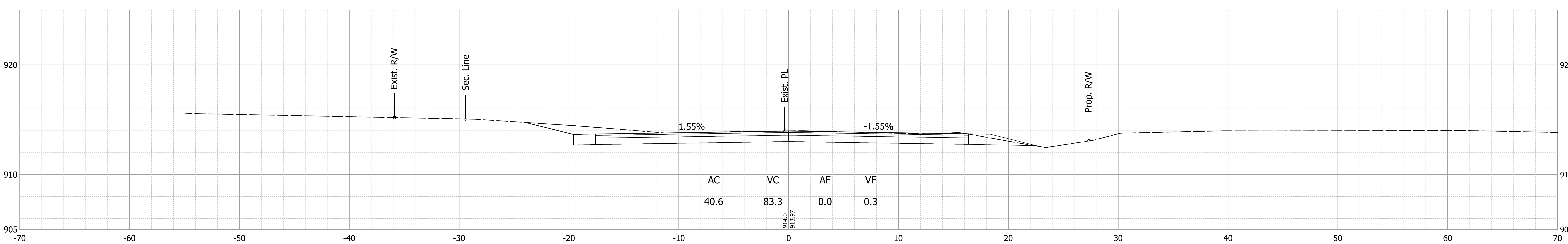
NO.	REVISION	DATE

Lochmueller Group, Inc.

277+50



277+00



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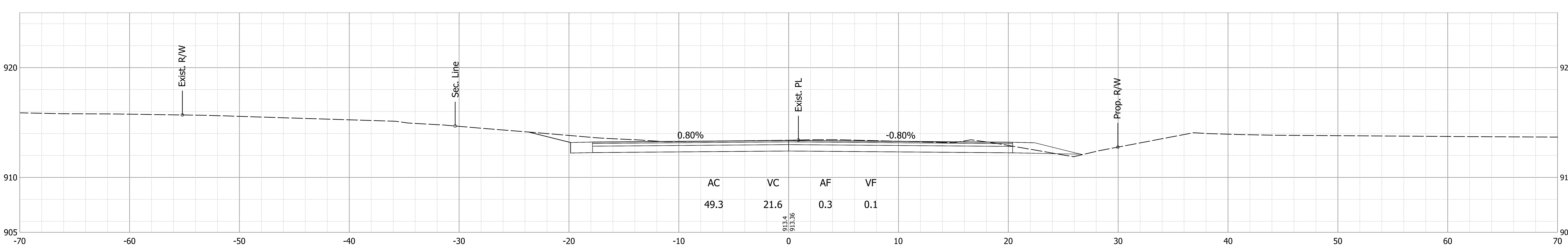
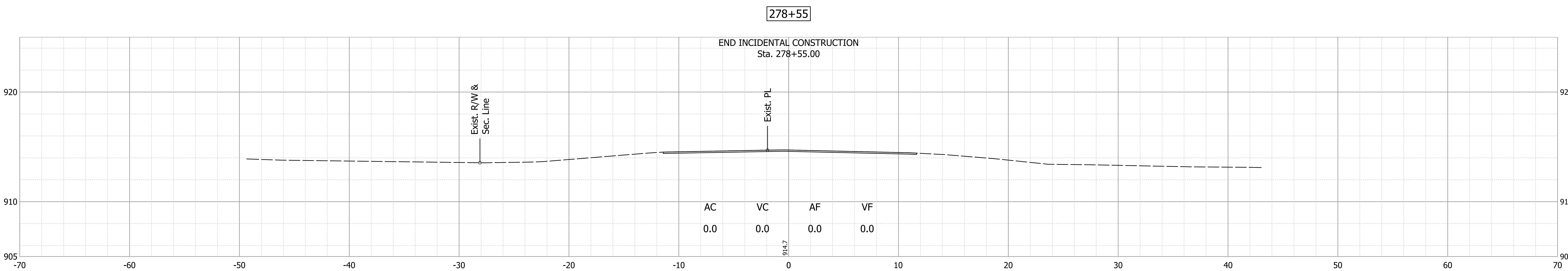
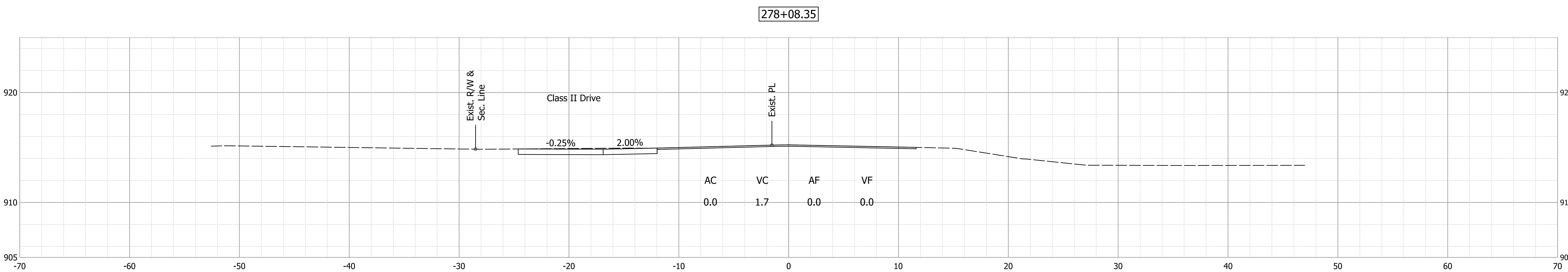


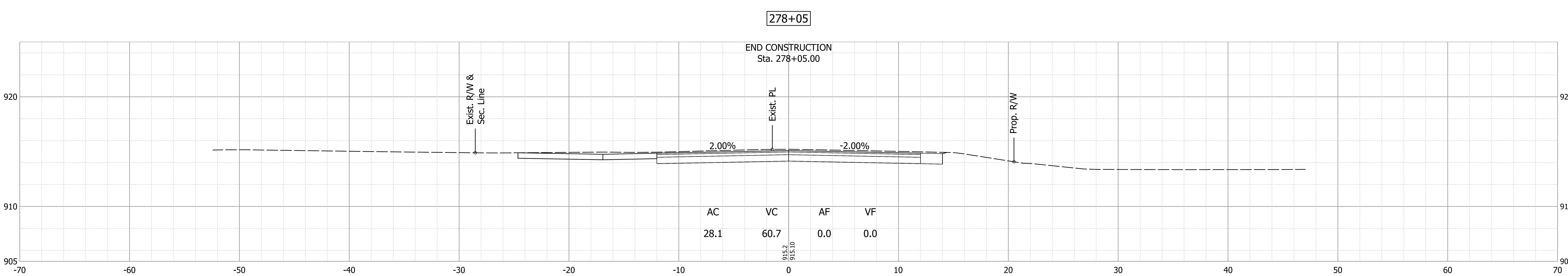
MIDDLEBURY — INDIANA	DRAWN: DJG	CHK'D: BJS	NO.	REVISION	DATE
MIDDLEBURY INTERSECTION IMPROVEMENTS	DESIGNED: EH	APPRV'D: BSS			
	DATE: 09/16/2026				
CROSS SECTIONS - LINE "PR-B"	HORIZ. SCALE: 1" = 5'				
	VERT. SCALE: 1" = 5'				
	PROJECT NUMBER 25003				

SHEET 36
OF 45

Lochmueller Group, Inc.







MIDDLEBURY — INDIANA

MIDDLEBURY INTERSECTION IMPROVEMENTS

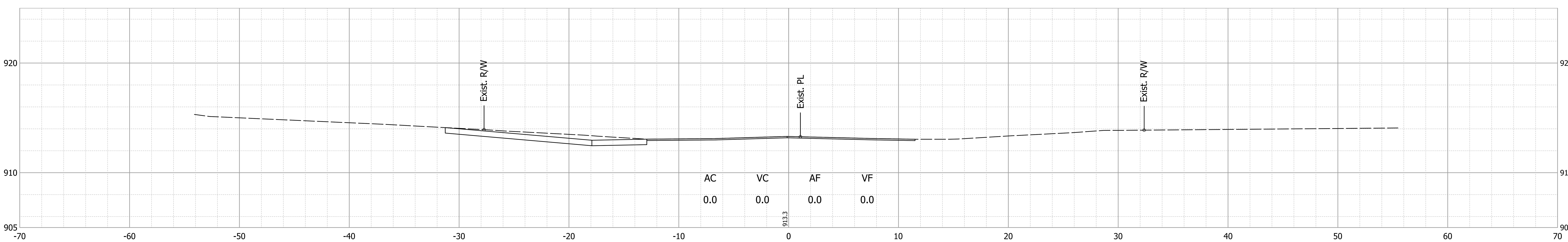
CROSS SECTIONS - LINE "PR-B"

DRAWN: DJG	CHK'D: BJS
DESIGNED: EH	APPRV'D: BSS
DATE: 09/16/2026	
HORIZ. SCALE: 1" = 5'	
VERT. SCALE: 1" = 5'	
PROJECT NUMBER 25003	

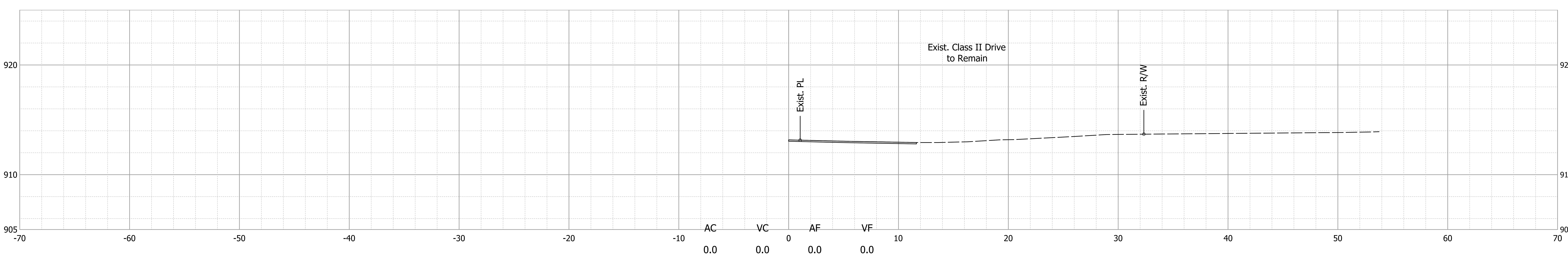
NO.	REVISION	DATE

Lochmueller Group, Inc.

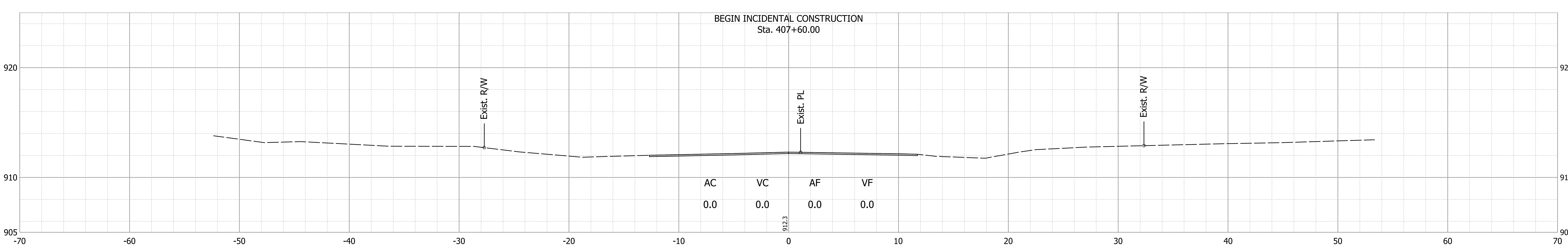
408+00



407+93.61



407+60

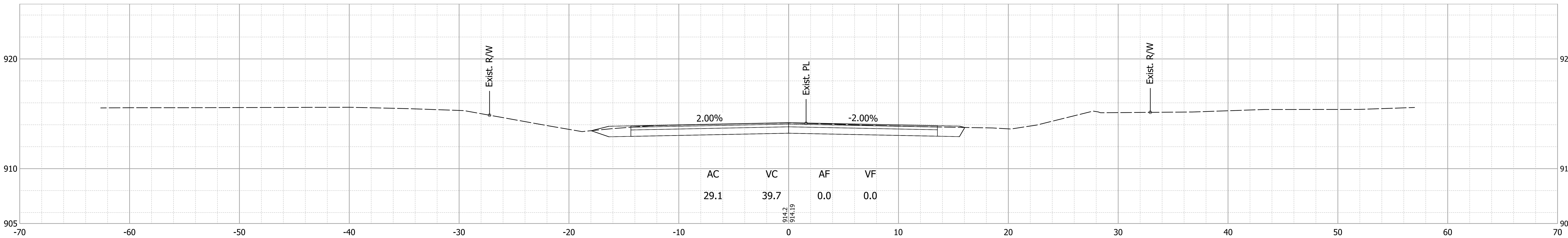


MIDDLEBURY / INDIANA	DRAWN: DJG	CHK'D: BJS	NO.	REVISION / DATE
MIDDLEBURY INTERSECTION IMPROVEMENTS	DESIGNED: EH	APPRV'D: BSS		
	DATE: 09/16/2026			
CROSS SECTIONS - LINE "PR-D"	HORIZ. SCALE: 1" = 5'			
	VERT. SCALE: 1" = 5'			
	PROJECT NUMBER 25003			

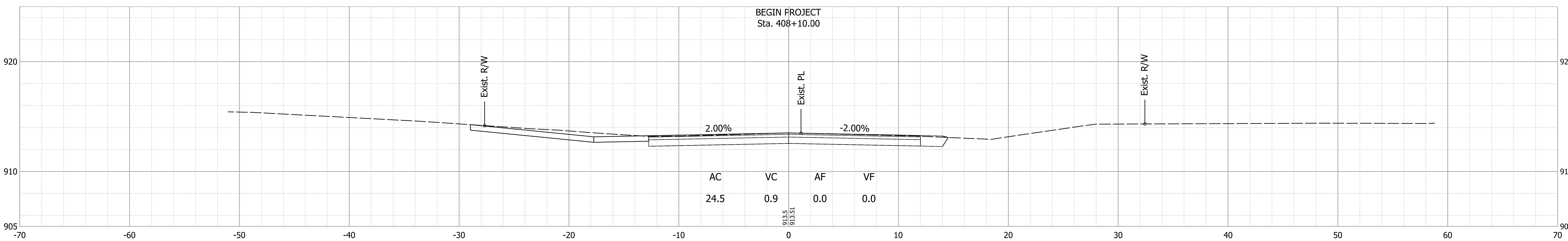
Lochmueller Group, Inc.

SHEET 38
OF 45

408+50



408+10



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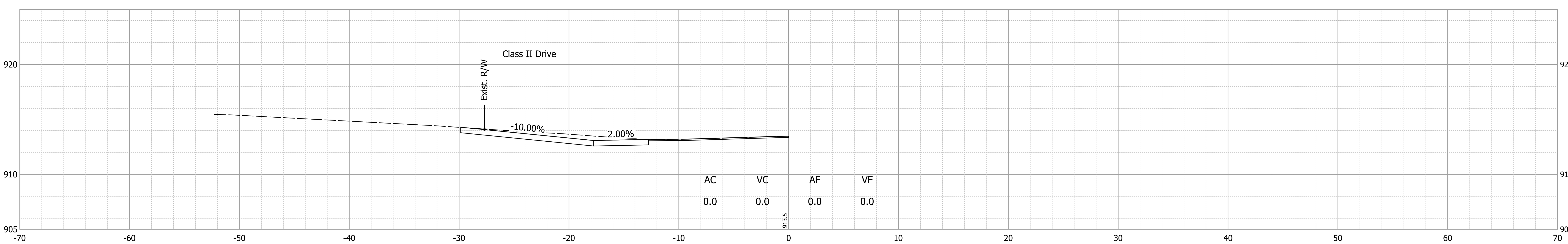

MIDDLEBURY	INDIANA	DRAWN: DJG	CHK'D: BJS
MIDDLEBURY INTERSECTION IMPROVEMENTS		DESIGNED: EH	APPRV'D: BSS
		DATE: 09/16/2026	
		HORIZ. SCALE: 1" = 5'	
		VERT. SCALE: 1" = 5'	
CROSS SECTIONS - LINE "PR-D"		PROJECT NUMBER 25003	

NO.	REVISION	DATE

Lochmueller Group, Inc.

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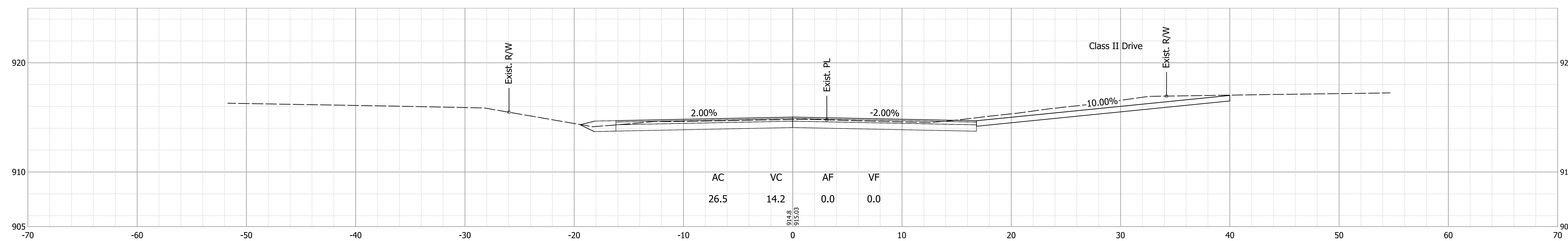
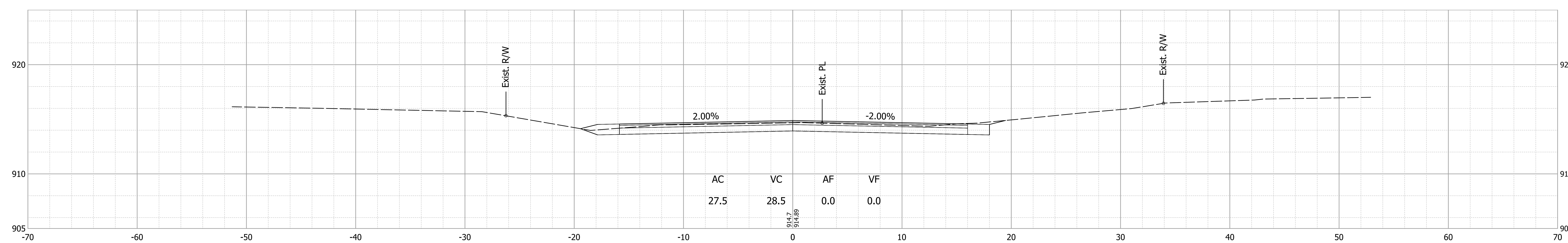
OF 45

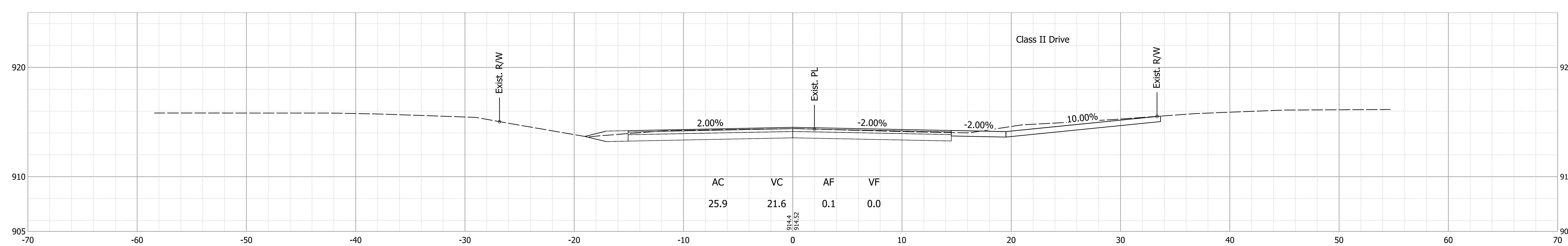
409+14.20



409+00



408+71.17



MIDDLEBURY INDIANA

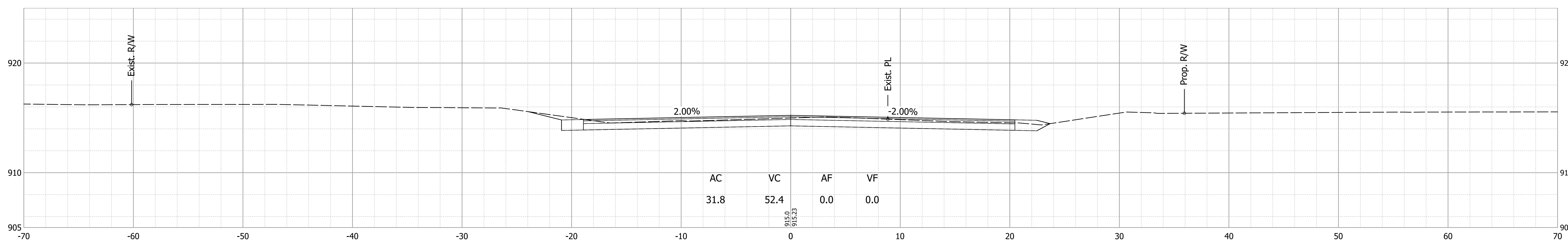
MIDDLEBURY INTERSECTION IMPROVEMENTS

CROSS SECTIONS - LINE "PR-D"

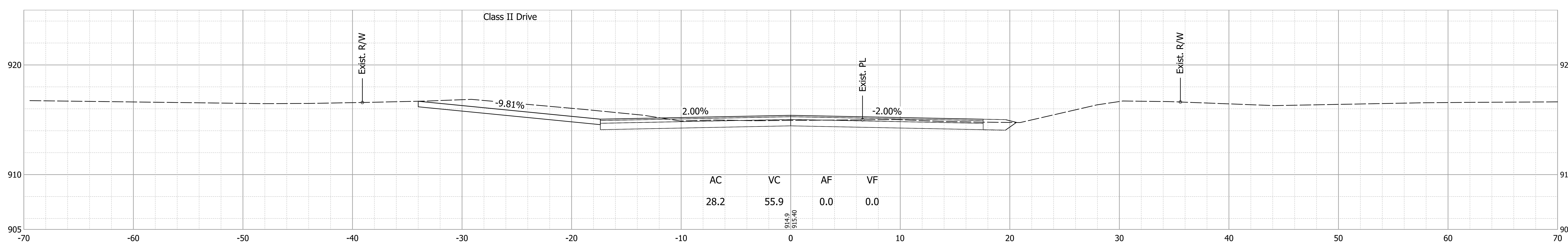
DRAWN: DJG	CHK'D: BJS	NO.	REVISION	DATE	
DESIGNED: JDB	APPRV'D: BSS	△			
DATE: 09/16/2026		△			
HORIZ. SCALE: 1" = 5'		△			
VERT. SCALE: 1" = 5'		△			
PROJECT NUMBER 25003		△			
		△			

Lochmueller Group, Inc.

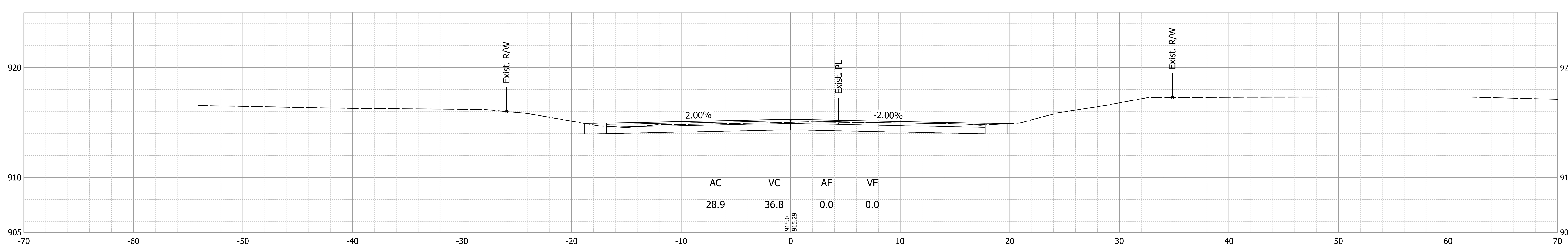
410+50



410+02.80



409+50



MIDDLEBURY INDIANA

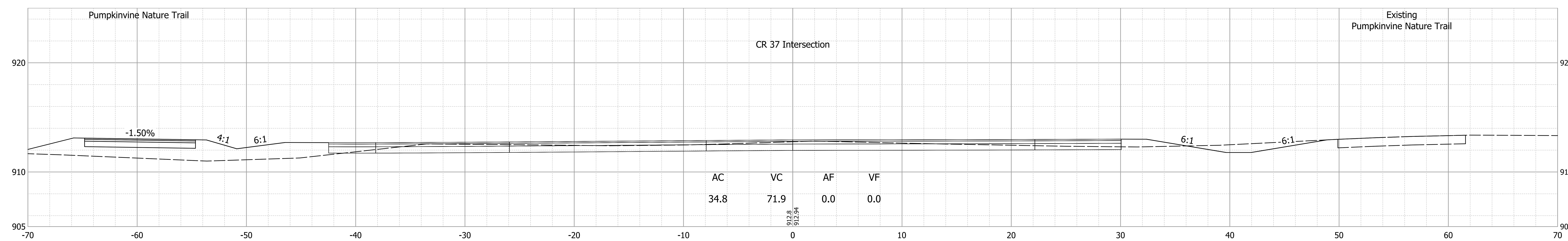
MIDDLEBURY INTERSECTION IMPROVEMENTS

CROSS SECTIONS - LINE "PR-D"

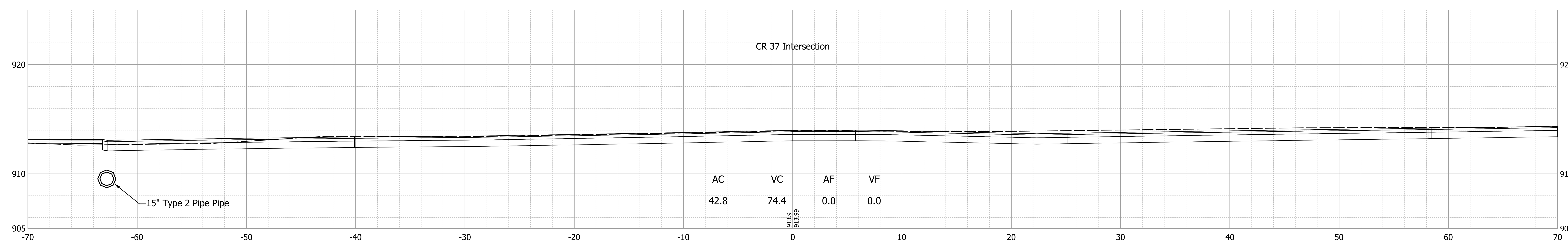
DRAWN: DJG	CHK'D: BJS	NO.	REVISION	DATE
DESIGNED: EH	APPRV'D: BSS			
DATE: 09/16/2026				
HORIZ. SCALE: 1" = 5'				
VERT. SCALE: 1" = 5'				
PROJECT NUMBER 25003				

Lochmueller Group, Inc.

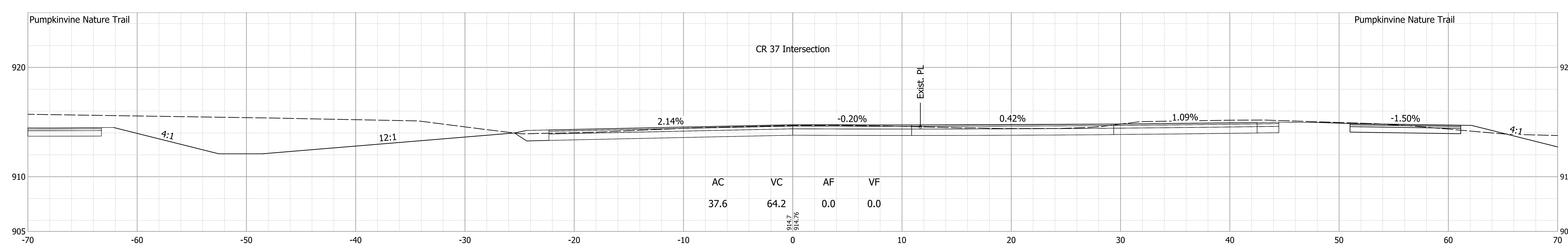
412+00



411+50



411+00



MIDDLEBURY	INDIANA	DRAWN: DJG	CHK'D: BJS
MIDDLEBURY INTERSECTION IMPROVEMENTS		DESIGNED: EH	APPRV'D: BSS
		DATE: 09/16/2026	
CROSS SECTIONS - LINE "PR-D"		HORIZ. SCALE: 1" = 5'	
		VERT. SCALE: 1" = 5'	
		PROJECT NUMBER 25003	

NO.	REVISION	DATE

Lochmueller Group, Inc.

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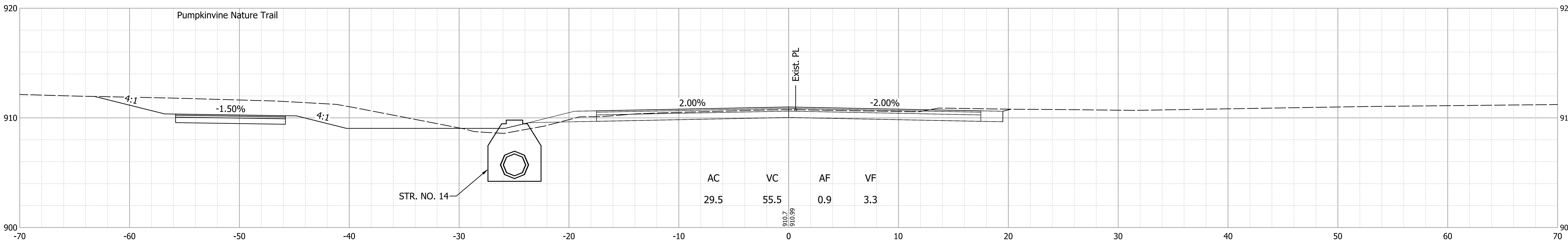
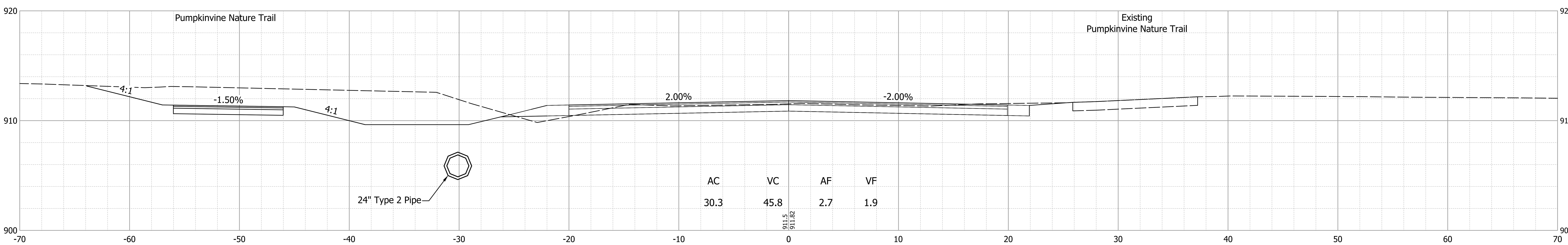
OF 45

413+00



412+50



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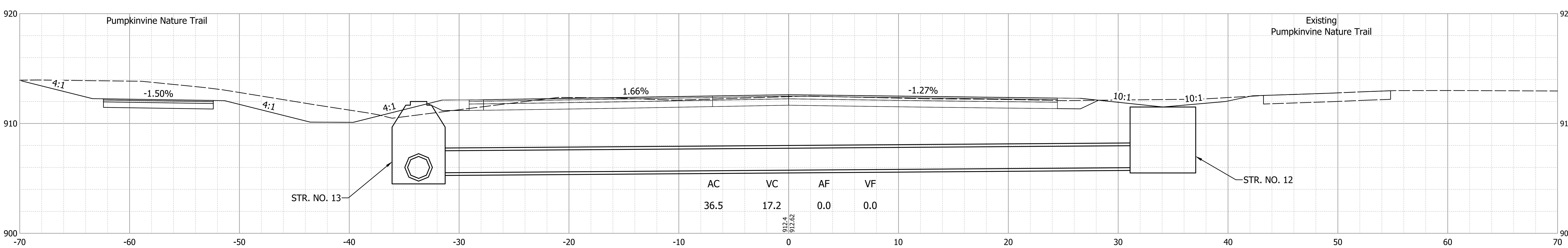


MIDDLEBURY INDIANA

MIDDLEBURY INTERSECTION IMPROVEMENTS

CROSS SECTIONS - LINE "PR-D"

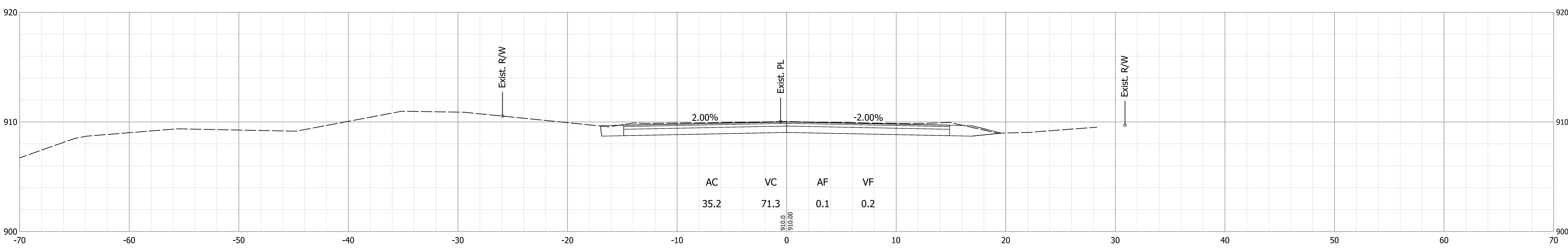
DRAWN: DJG	CHK'D: BJS	NO.	REVISION	DATE
DESIGNED: EH	APPRV'D: BSS	△		
DATE: 09/16/2026		△		
HORIZ. SCALE: 1" = 5'		△		
VERT. SCALE: 1" = 5'		△		
PROJECT NUMBER 25003		△		
		△		

Lochmueller Group, Inc.

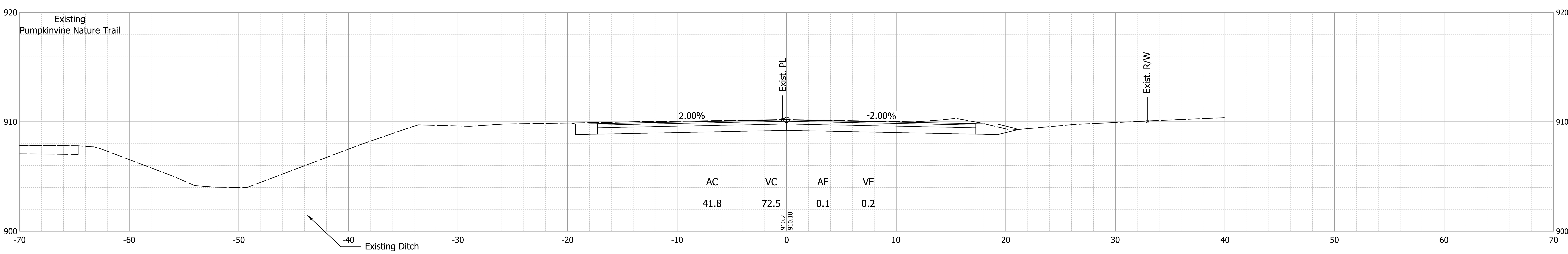
SHEET 43

OF 45

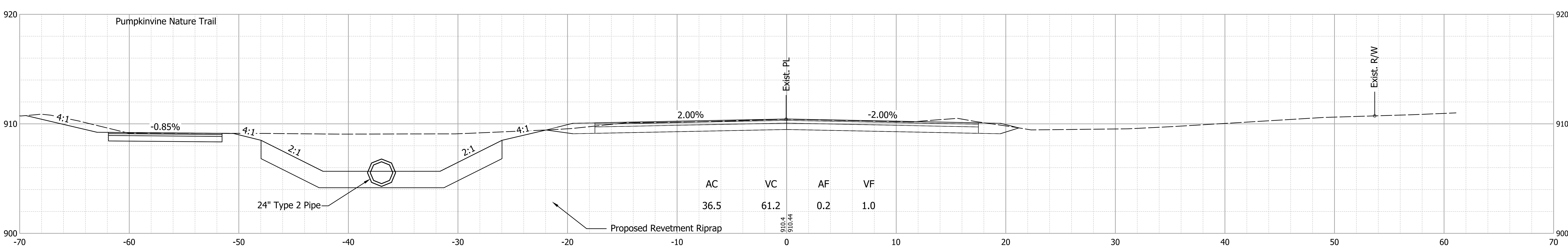
414+50



414+00

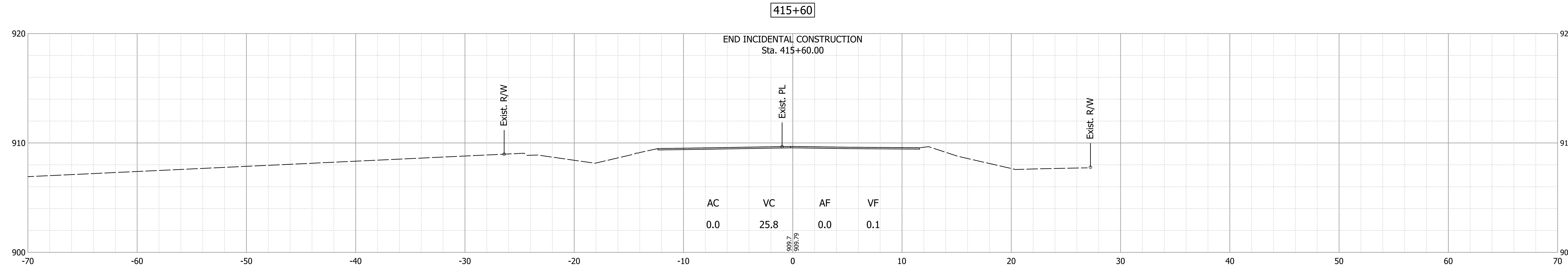


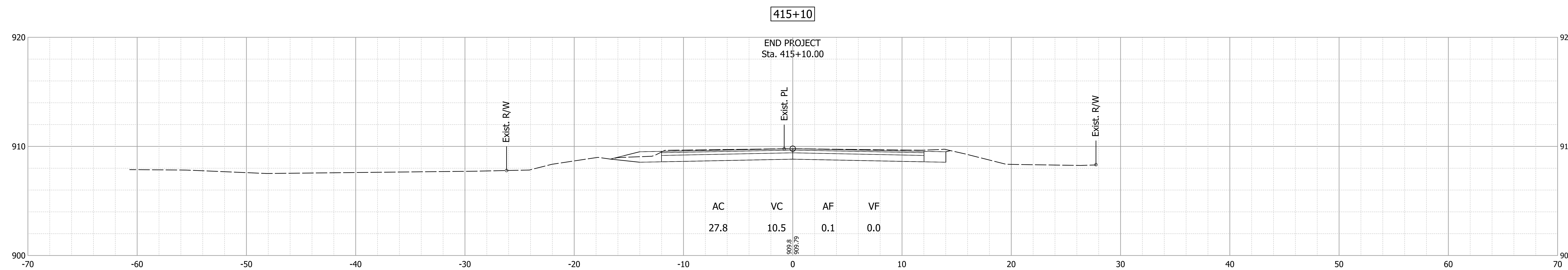
413+50

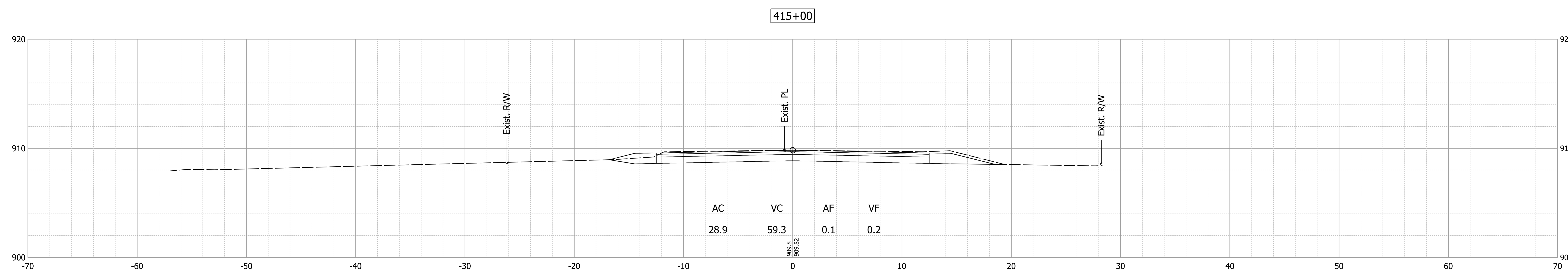


MIDDLEBURY	INDIANA	DRAWN: DJG	CHK'D: BJS	NO.	REVISION	DATE
MIDDLEBURY INTERSECTION IMPROVEMENTS		DESIGNED: EH	APPRV'D: BSS			
		DATE: 09/16/2026				
		HORIZ. SCALE: 1" = 5'				
CROSS SECTIONS - LINE "PR-D"		VERT. SCALE: 1" = 5'				
		PROJECT NUMBER 25003				

Lochmueller Group, Inc.







MIDDLEBURY INDIANA

MIDDLEBURY INTERSECTION IMPROVEMENTS

CROSS SECTIONS - LINE "PR-D"

DRAWN: DJG	CHK'D: BJS	NO.	REVISION / DATE
DESIGNED: JDB	APPRV'D: BSS		
DATE: 09/16/2026			
HORIZ. SCALE: 1" = 20'			
VERT. SCALE: 1" = 5'			
PROJECT NUMBER 25003			

Lochmueller Group, Inc.