PROJECT	DESIGNATION
1702957	1702957
CONTRACT	BRIDGE FILE
R-40890	----

INDIANA DEPARTMENT OF TRANSPORTATION

ROAD PLANS

STAGE 2 PLANS
APRIL 2020

MONROE COUNTY
BOARD OF COMMISSIONERS

JULIE THOMAS, PRESIDENT — DATE

LEE JONES, VICE PRESIDENT — DATE

PENNY GITHENS, COMMISSIONER — DATE

CATHERINE SMITH, AUDITOR — DATE

LISA RIDGE, HIGHWAY DIRECTOR — DATE

ROUTE: SUNRISE GREETING COURT

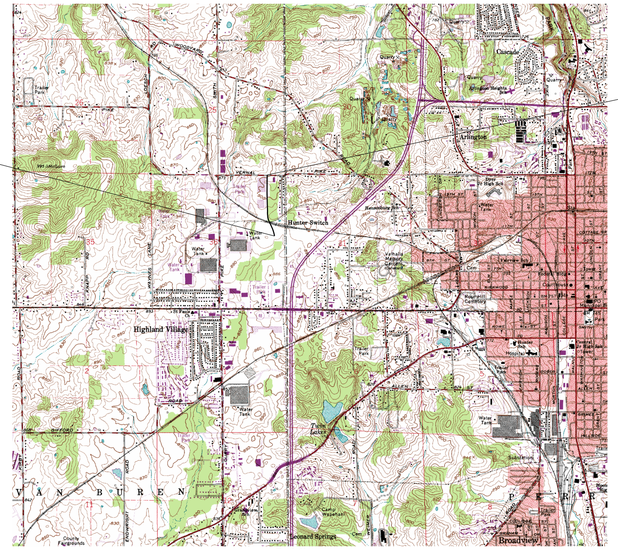
PROJECT NO. 1702957 P.E.
PROJECT NO. 1702957 R/W
PROJECT NO. 1702957 CONST.

Extension of Sunrise Greeting Court from existing cul-de-sac to Profile Parkway
Approx. 0.5 miles west of I-69 in Section 36, T-9-N, R-2-W, Richland Township, Monroe County, Indiana

I-69

Begin Project
Sta. 6+02.92 "PR-S"

End Project
Sta. 28+11.00 "PR-S"



I-69

MONROE COUNTY

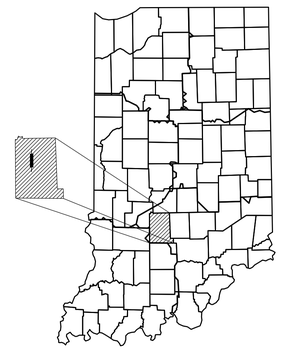
SCALE: 1" = 3,000'

TRAFFIC DATA

A.A.D.T.	(2041)	5,530 V.P.D.
D.H.V	(2041)	534 V.P.H.
DIRECTIONAL DISTRIBUTION		50%
TRUCKS		10% A.A.D.T.

DESIGN DATA

DESIGN SPEED	35 M.P.H.
PROJECT DESIGN CRITERIA	NEW CONSTRUCTION (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	MAJOR COLLECTOR
RURAL/URBAN	URBAN
TERRAIN	LEVEL
ACCESS CONTROL	NONE



PROJECT LOCATION SHOWN BY
Monroe County

LATITUDE: 39°10'37"N LONGITUDE: 86°34'35"W

BRIDGE LENGTH: 0.040 MI.
ROADWAY LENGTH: 0.380 MI.
TOTAL LENGTH: 0.420 MI.
MAX. GRADE: 8.94 %

HUC: 05120208090020 & 05120202010080

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

CERTIFIED BY:
REGISTERED PROFESSIONAL ENGINEER — DATE
STATE OF INDIANA NO.
COVERING CIVIL DESIGN

CERTIFIED BY:
REGISTERED PROFESSIONAL ENGINEER — DATE
STATE OF INDIANA NO.
COVERING BRIDGE DESIGN

NOT FOR CONSTRUCTION
DLZ INDIANA, LLC

NOT FOR CONSTRUCTION
DLZ INDIANA, LLC

PLANS PREPARED BY:
DLZ INDIANA, LLC
157 E MARYLAND ST,
INDIANAPOLIS, IN 46204
(317)663-4120

APPROVED
FOR LETTING: _____
INDIANA DEPARTMENT OF TRANSPORTATION — DATE

BRIDGE FILE

DESIGNATION
1702957

SURVEY BOOK	SHEETS		
ELECTRONIC	1	of	56
CONTRACT	PROJECT		
R-40890	1702957		

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UTILITIES

UTILITY	OWNER	CONTACTS	ADDRESS	PHONE NO.
ELECTRIC DISTRIBUION	DUKE ENERGY	CHRISTINA GIROD	100 S. MILL CREEK RD NOBLESVLLE, IN 46062	(317) 273-9596
ELECTRIC TRANSMISSION	DUKE ENERGY	DWAYNE WRIGHT	1000 E MAIN ST PLAINFIELD, IN 46168	(812) 838-2044
WATER	CITY OF BLOOMINGTON UTILITIES	JANE FLEIG	600 E. MILLER DRIVE BLOOMINGTON, IN 47401	(812) 349-3932
TELEPHONE	AT&T	TOD MOORE	4517 E. INDIANA BELL COURT BLOOMINGTON, IN 47408	(812) 334-4718
GAS	VECTREN	JON EASTHAM	600 INDUSTRIAL DRIVE FRANKLIN, IN 46131	(765) 287-2119
CABLE	COMCAST	STEVE McARTOR	1600 W. VERNAL PIKE BLOOMINGTON, IN 47404	(812) 360-3090
SANITARY SEWER	CITY OF BLOOMINGTON UTILITIES	JANE FLEIG	600 E. MILLER DRIVE BLOOMINGTON, IN 47401	(812) 349-3932
FIBER OPTIC	SMITHVILLE COMMUNICATION	KIMBERLY PITCHER	116 E. TAYLOR STREET KOKOMO, IN 46901	(812) 935-2315
FIBER OPTIC	SMITHVILLE COMMUNICATION	CHAD HAWKINS	116 E. TAYLOR STREET KOKOMO, IN 46901	(812) 935-2377

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REVISIONS

SHEET NO.	DATE	REVISED

3/31/2020
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DLZ

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DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE

DESIGNED: AMH 11/2019 DRAWN: DPH 11/2019

CHECKED: DSB 11/2019 CHECKED: AMH 11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

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SCALE	BRIDGE FILE
NONE	---
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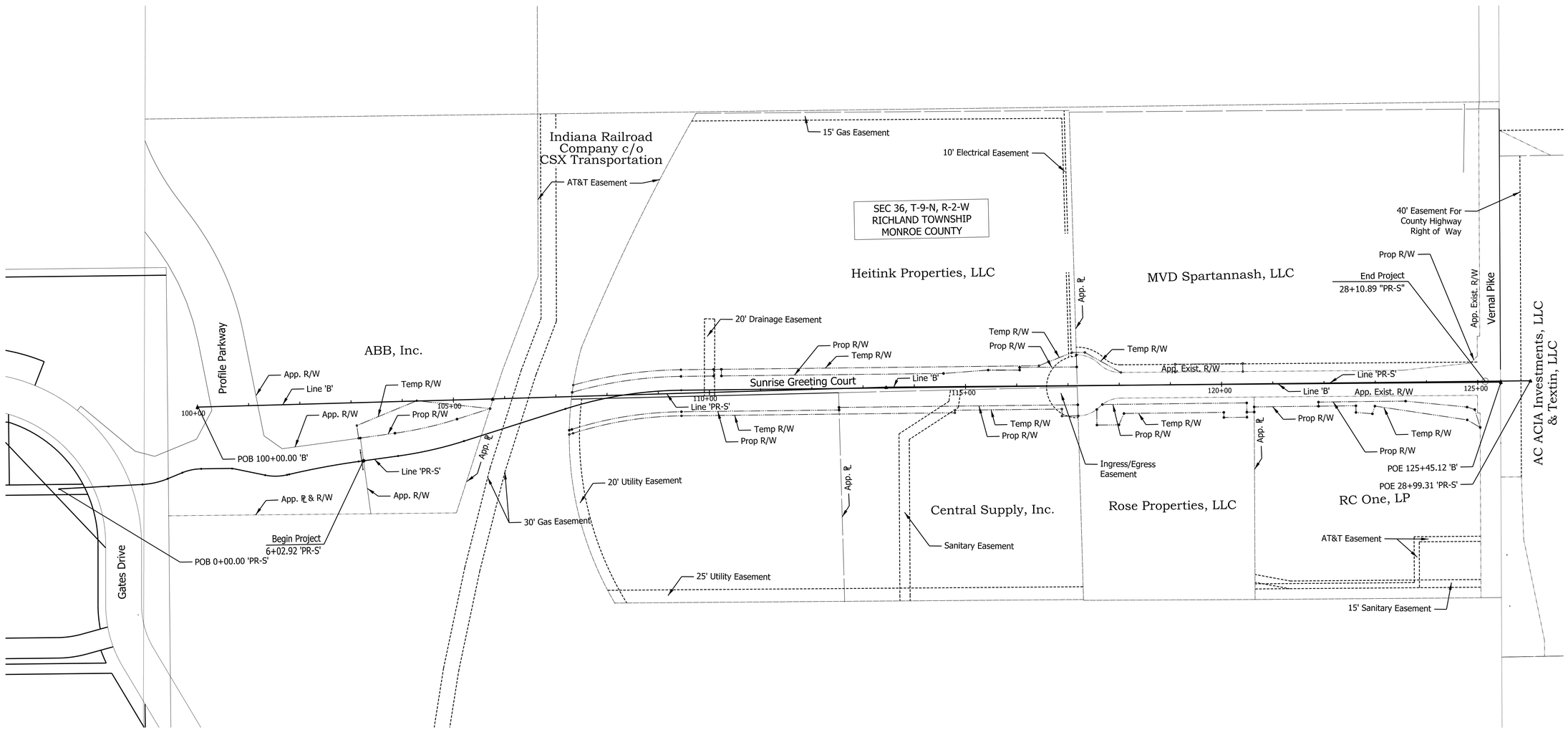

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NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE

DESIGNED: AMH 11/2019 DRAWN: DPH 11/2019

CHECKED: DSB 11/2019 CHECKED: AMH 11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAT #1

SCALE	BRIDGE FILE
1:100	---
	DESIGNATION
	1702957
SURVEY BOOK	SHEETS
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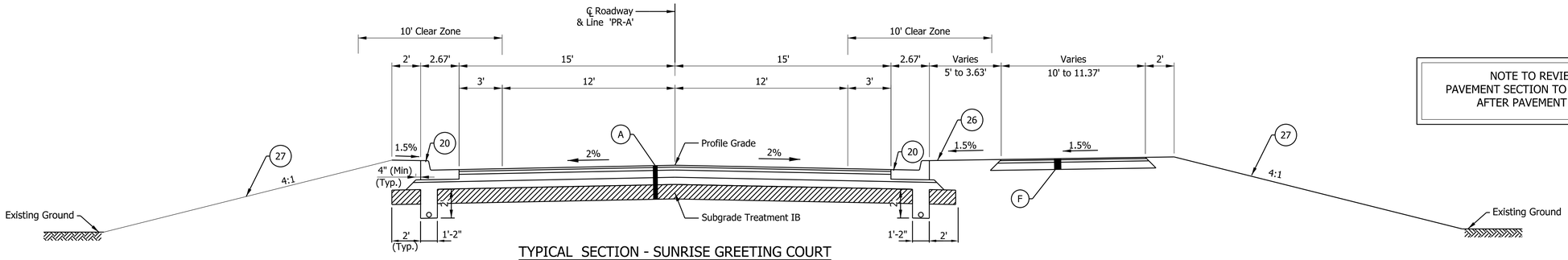
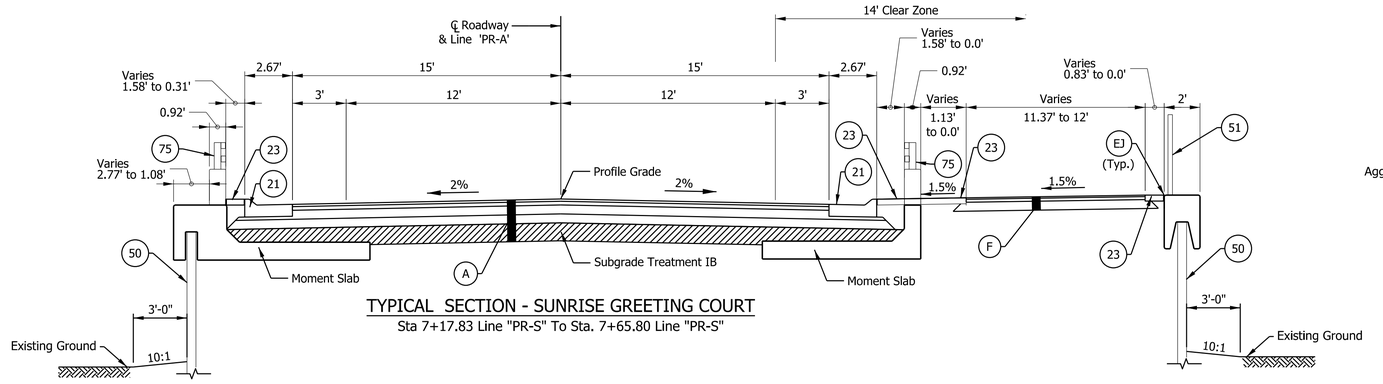


TYPICAL SECTION - SUNRISE GREETING COURT

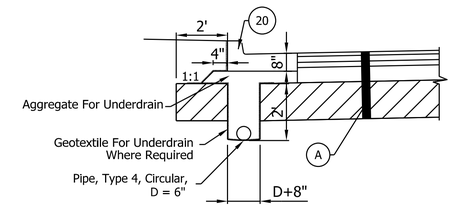
Sta 6+02.92 Line "PR-S" To Sta. 7+17.83 Line "PR-S"

NOTE TO REVIEWER:
PAVEMENT SECTION TO BE FINALIZED
AFTER PAVEMENT DESIGN



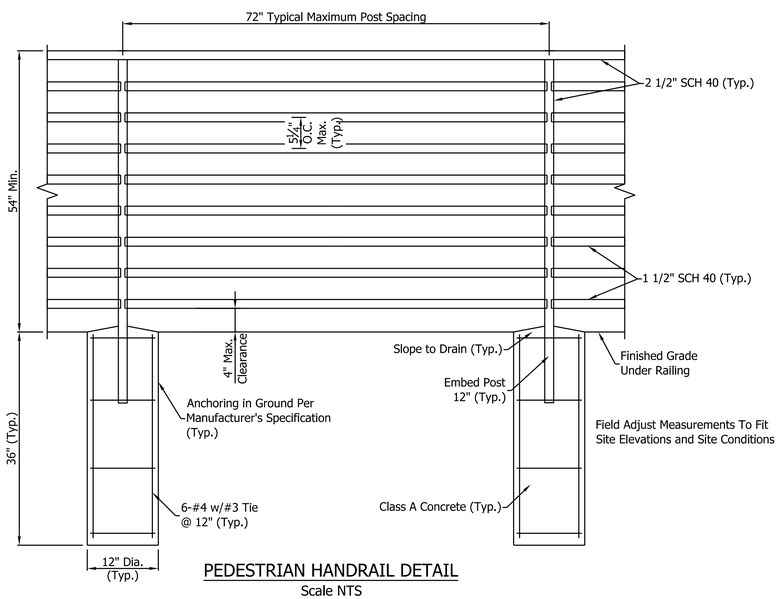
TYPICAL SECTION - SUNRISE GREETING COURT

Sta 7+17.83 Line "PR-S" To Sta. 7+65.80 Line "PR-S"



UNDERDRAIN DETAIL

Not to Scale



PEDESTRIAN HANDRAIL DETAIL

Scale NTS

LEGEND:

- (21) Combined Concrete Curb and Gutter, Type B
- (20) Combined Concrete Curb and Gutter, Type C
- (23) 4" PCCP
- (26) Sodding, Nursery
- (27) Seed Mixture, U
- (50) MSE Wall
- (51) Handrail, Pedestrian
- (75) Modified Bridge Railing, Type PF-1
- (77) Impact Attenuator R1-W1, TL-2
- (A) HMA Pavement
  165#/SYD QC/QA-HMA, 3,70, Surface, 9.5 mm, on
  275#/SYD QC/QA-HMA, 3,70, Intermediate, 19.0 mm, on
  770#/SYD QC/QA-HMA,3,64, Base, 25.0 mm, on
  6" Compacted Aggregate No. 53, on
  Subgrade Treatment, Type IB
- (F) HMA for Sidewalk
  140#/SYD HMA, Surface, Type B, On
  220#/SYD HMA, Intermeidate, Type B On
  6" Compacted Aggregate No 53, On
  Subgrade Treatment Type III
- (EJ) Expansion Joint (½" Preformed Joint Filler)
  See INDOT Standard Drawing E604-CCSJ-01.

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NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER DATE

DESIGNED: AMH 11/2019 DRAWN: DPH 11/2019

CHECKED: DSB 11/2019 CHECKED: AMH 11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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1/4" = 1'-0"	---
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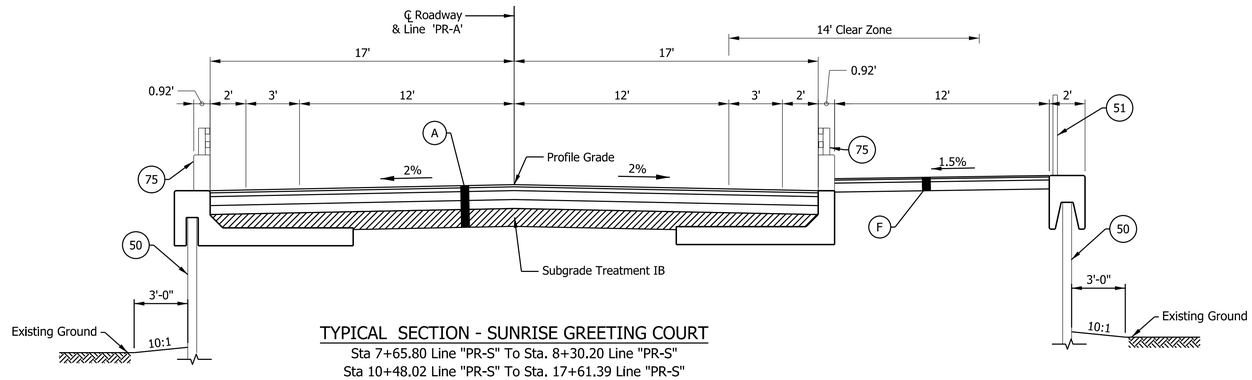
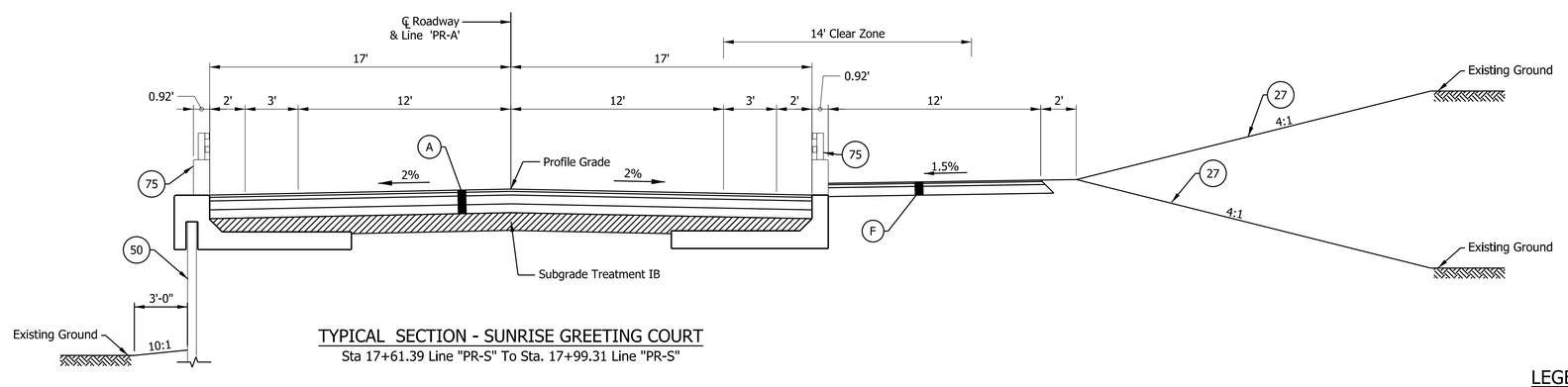


TYPICAL SECTION - SUNRISE GREETING COURT

Sta 7+65.80 Line "PR-S" To Sta. 8+30.20 Line "PR-S"

Sta 10+48.02 Line "PR-S" To Sta. 17+61.39 Line "PR-S"



TYPICAL SECTION - SUNRISE GREETING COURT

Sta 17+61.39 Line "PR-S" To Sta. 17+99.31 Line "PR-S"

LEGEND:

- (21) Combined Concrete Curb and Gutter, Type B
- (23) 4" PCCP
- (26) Sodding, Nursery
- (27) Seed Mixture, U
- (50) MSE Wall
- (51) Handrail, Pedestrian
- (75) Modified Bridge Railing, Type PF-1
- (77) Impact Attenuator R1-W1, TL-2
- (A) HMA Pavement
  165#/SYD QC/QA-HMA, 3,70, Surface, 9.5 mm, on
  275#/SYD QC/QA-HMA, 3,70, Intermediate, 19.0 mm, on
  770#/SYD QC/QA-HMA,3,64, Base, 25.0 mm, on
  6" Compacted Aggregate No. 53, on
  Subgrade Treatment, Type IB
- (F) HMA for Sidewalk
  140#/SYD HMA, Surface, Type B, On
  220#/SYD HMA, Intermeidate, Type B On
  6" Compacted Aggregate No 53, On
  Subgrade Treatment Type III

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NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER DATE

DESIGNED: AMH 11/2019 DRAWN: DPH 11/2019

CHECKED: DSB 11/2019 CHECKED: AMH 11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE	BRIDGE FILE
1/4" = 1'-0"	---
	DESIGNATION
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3/31/2020
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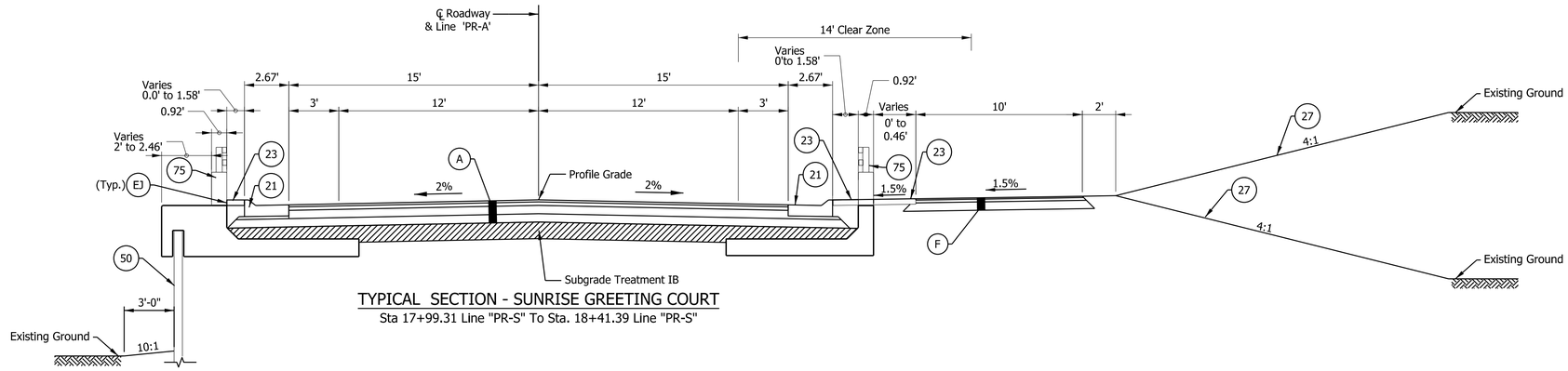
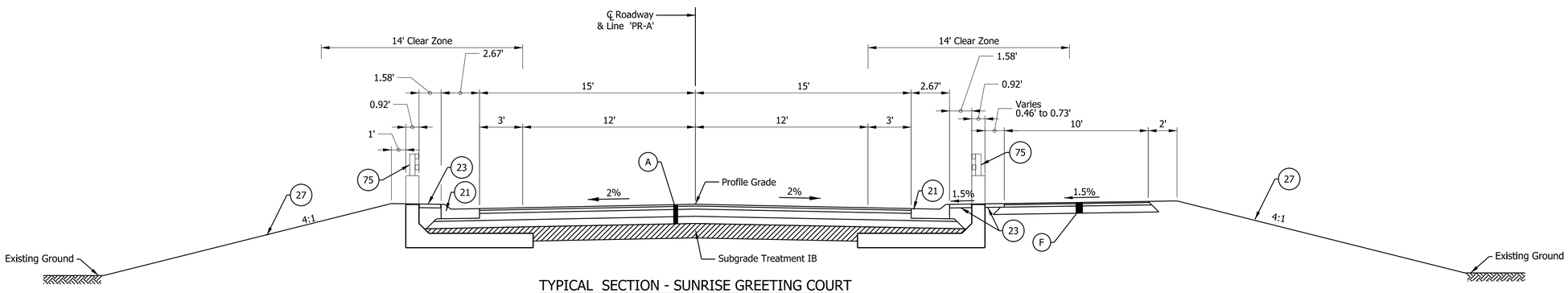


TYPICAL SECTION - SUNRISE GREETING COURT

Sta 17+99.31 Line "PR-S" To Sta. 18+41.39 Line "PR-S"



TYPICAL SECTION - SUNRISE GREETING COURT

Sta 18+41.39 Line "PR-S" To Sta. 18+45.57 Line "PR-S"

LEGEND:

- (20) Combined Concrete Curb and Gutter, Type C
- (21) Combined Concrete Curb and Gutter, Type B
- (23) 4" PCCP
- (26) Sodding, Nursery
- (27) Seed Mixture, U
- (75) Modified Bridge Railing, Type PF-1
- (77) Impact Attenuator R1-W1, TL-2
- (A) HMA Pavement
  165#/SYD QC/QA-HMA, 3,70, Surface, 9.5 mm, on
  275#/SYD QC/QA-HMA, 3,70, Intermediate, 19.0 mm, on
  770#/SYD QC/QA-HMA,3,64, Base, 25.0 mm, on
  6" Compacted Aggregate No. 53, on
  Subgrade Treatment, Type IB
- (F) HMA for Sidewalk
  140#/SYD HMA, Surface, Type B, On
  220#/SYD HMA, Intermeidate, Type B On
  6" Compacted Aggregate No 53, On
  Subgrade Treatment Type III
- (EJ) Expansion Joint (½" Preformed Joint Filler)
  See INDOT Standard Drawing E604-CCSJ-01.

DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: AMH 11/2019		DRAWN: DPH 11/2019	
CHECKED: DSB 11/2019		CHECKED: AMH 11/2019	

INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE	BRIDGE FILE
1/4" = 1'-0"	---
	DESIGNATION
	1702957
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3/31/2020
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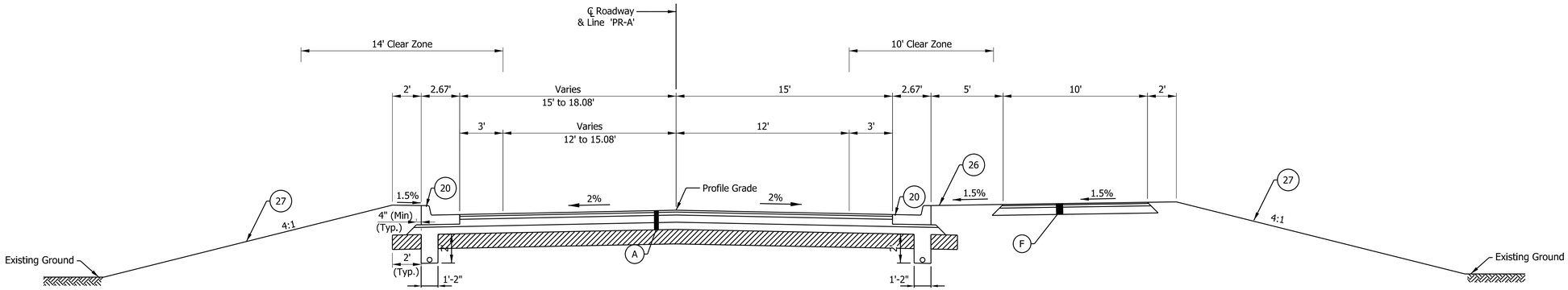
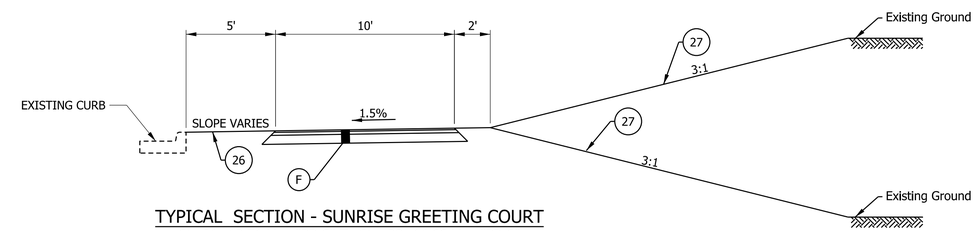


TYPICAL SECTION - SUNRISE GREETING COURT

Sta 18+45.57 Line "PR-S" To Sta. 20+83.71 Line "PR-S"



TYPICAL SECTION - SUNRISE GREETING COURT

Sta 21+12.71 Line "PR-S" To Sta. 28+14.66 Line "PR-S"

LEGEND:

- (20) Combined Concrete Curb and Gutter, Type C
- (26) Sodding, Nursery
- (27) Seed Mixture, U
- (A) HMA Pavement
  165#/SYD QC/QA-HMA, 3,70, Surface, 9.5 mm, on
  275#/SYD QC/QA-HMA, 3,70, Intermediate, 19.0 mm, on
  770#/SYD QC/QA-HMA,3,64, Base, 25.0 mm, on
  6" Compacted Aggregate No. 53, on
  Subgrade Treatment, Type IB
- (F) HMA for Sidewalk
  140#/SYD HMA, Surface, Type B, On
  220#/SYD HMA, Intermeidate, Type B On
  6" Compacted Aggregate No 53, On
  Subgrade Treatment Type III

3/31/2020
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DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: AMH	11/2019	DRAWN: DPH	11/2019
CHECKED: DSB	11/2019	CHECKED: AMH	11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE	BRIDGE FILE
1/4" = 1'-0"	---
	DESIGNATION
	1702957
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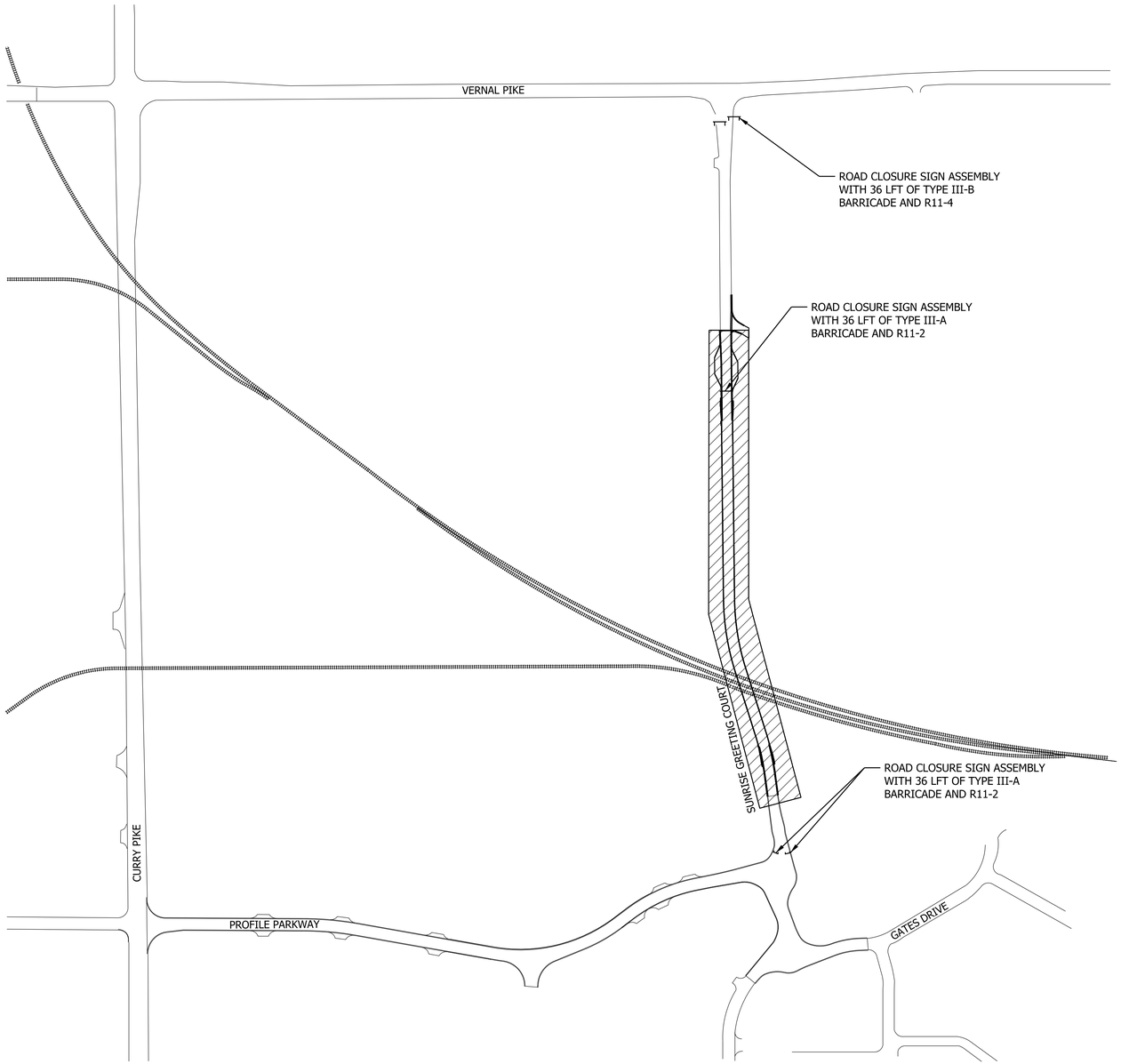

SIGN LEGEND		
SIGN	DESCRIPTION	SIZE (in x in)
R11-2	"ROAD CLOSED" SIGN	48 X 30
R11-4	"ROAD CLOSED TO THRU TRAFFIC" SIGN	60 X 30
XG20-2	"END CONSTRUCTION" SIGN	60 X 24
XW20-1	"ROAD CONSTRUCTION AHEAD" SIGN	36 X 36
XW20-5(R)	"ONE LANE ROAD" SIGN	48 X 48
XW2-6-A	"WORKSITE ADDED PENALTY" SIGN	78 X 42
XM4-2-A	"(LANE ENDS)" SIGN	36 X 36

ROAD CLOSURE SIGN ASSEMBLIES

ROAD CLOSED TO THRU TRAFFIC

R11-4
60" X 30"

ROAD CLOSED

R11-2
48" X 30"

CONSTRUCTION SIGN SCHEDULE	
ITEM	TOTALS
TYPE 'A' SIGN	
XG20-2	0 EACH
XW20-1	0 EACH
XW20-5(L or R)	0 EACH
XW2-6-A	0 EACH
XW4-2-A	0 EACH
TOTAL TYPE 'A' SIGN	0 EACH
DETOUR ROUTE MARKER ASSEMBLY	0 EACH
ROAD CLOSURE SIGN ASSEMBLY	3 EACH
TYPE III-A BARRICADE	72 EACH
TYPE III-B BARRICADE	36 LFT

LEGEND

- Construction Sign
- Type 'A' Construction Warning Light
- Type III-_ Barricade
- Area Under Construction
- Route Marker Assembly

NOTES

1. All signs, barricades, and pavement markings shall conform to the Indiana Manual on Traffic Control Devices for Streets and Highways, 2011 and any current supplements thereto.
2. Contractor shall maintain access to all commercial and private properties during construction.
3. Remove Exisiting Pavement markings As Req'd.

3/31/2020
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NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER DATE

DESIGNED: AMH 11/2019 DRAWN: DPH 11/2019

CHECKED: DSB 11/2019 CHECKED: AMH 11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC

SCALE	BRIDGE FILE

	DESIGNATION
	1702957

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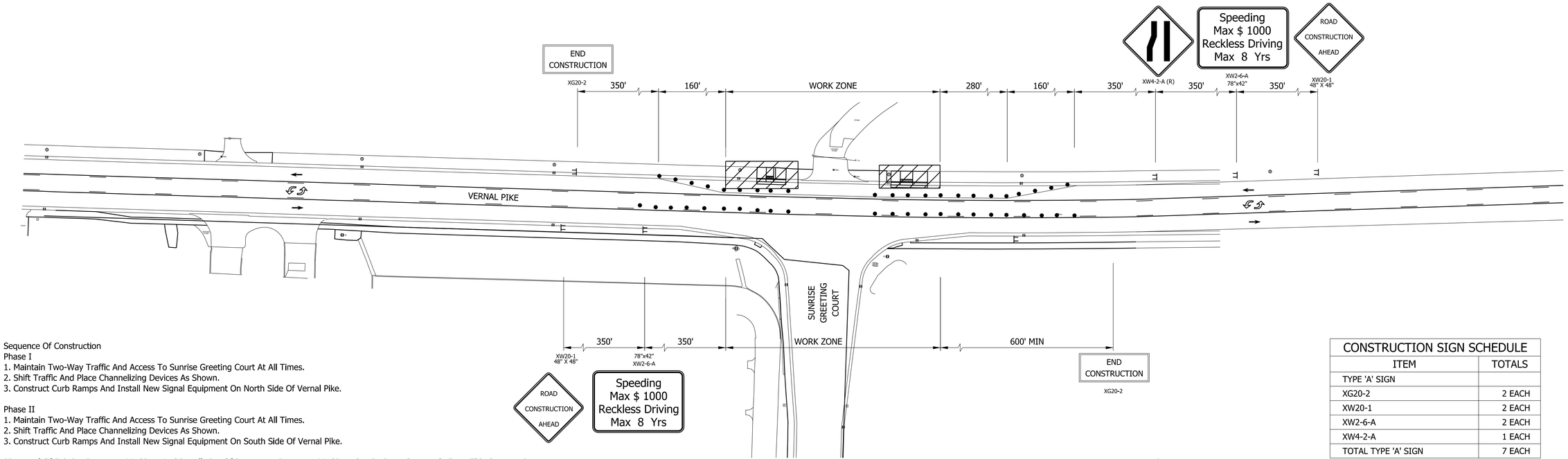


PHASE I

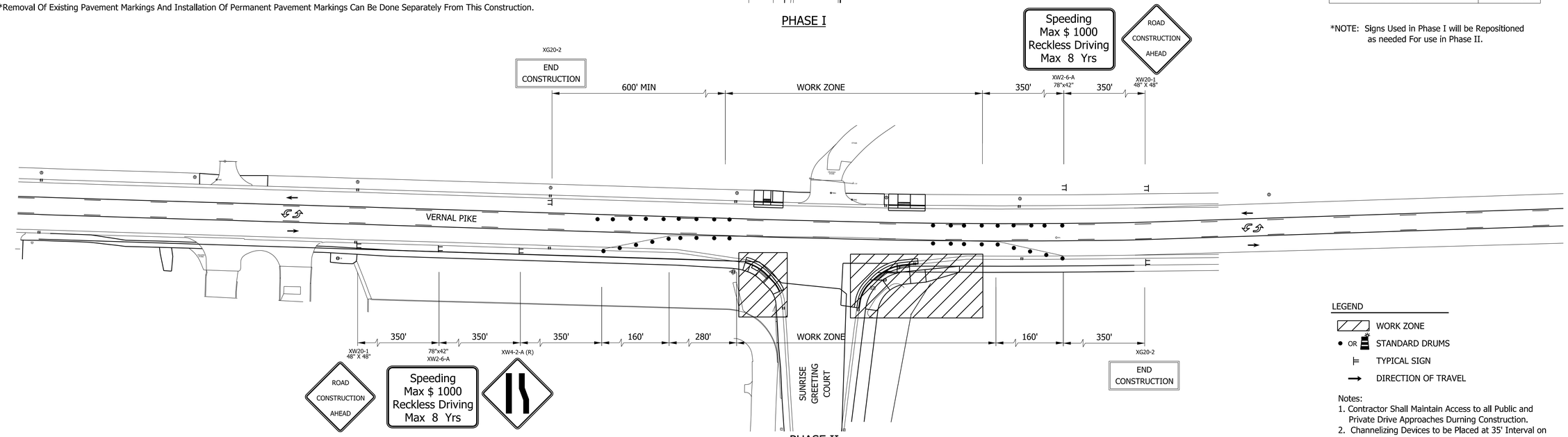
Sequence Of Construction
Phase I
1. Maintain Two-Way Traffic And Access To Sunrise Greeting Court At All Times.
2. Shift Traffic And Place Channelizing Devices As Shown.
3. Construct Curb Ramps And Install New Signal Equipment On North Side Of Vernal Pike.

Phase II
1. Maintain Two-Way Traffic And Access To Sunrise Greeting Court At All Times.
2. Shift Traffic And Place Channelizing Devices As Shown.
3. Construct Curb Ramps And Install New Signal Equipment On South Side Of Vernal Pike.

*Removal Of Existing Pavement Markings And Installation Of Permanent Pavement Markings Can Be Done Separately From This Construction.

CONSTRUCTION SIGN SCHEDULE	
ITEM	TOTALS
TYPE 'A' SIGN	
XG20-2	2 EACH
XW20-1	2 EACH
XW2-6-A	2 EACH
XW4-2-A	1 EACH
TOTAL TYPE 'A' SIGN	7 EACH

*NOTE: Signs Used in Phase I will be Repositioned as needed For use in Phase II.



PHASE II

LEGEND

- WORK ZONE
- STANDARD DRUMS
- TYPICAL SIGN
- DIRECTION OF TRAVEL

Notes:
1. Contractor Shall Maintain Access to all Public and Private Drive Approaches Durning Construction.
2. Channelizing Devices to be Placed at 35' Interval on Tapers and 70' on Tangents.

DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: AMH 11/2019 DRAWN: DPH 11/2019

CHECKED: DSB 11/2019 CHECKED: AMH 11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC-VERNAL PIKE
PHASE I & II

HORIZONTAL SCALE	BRIDGE FILE
NTS	---
	DESIGNATION
	1702957
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4/8/2020
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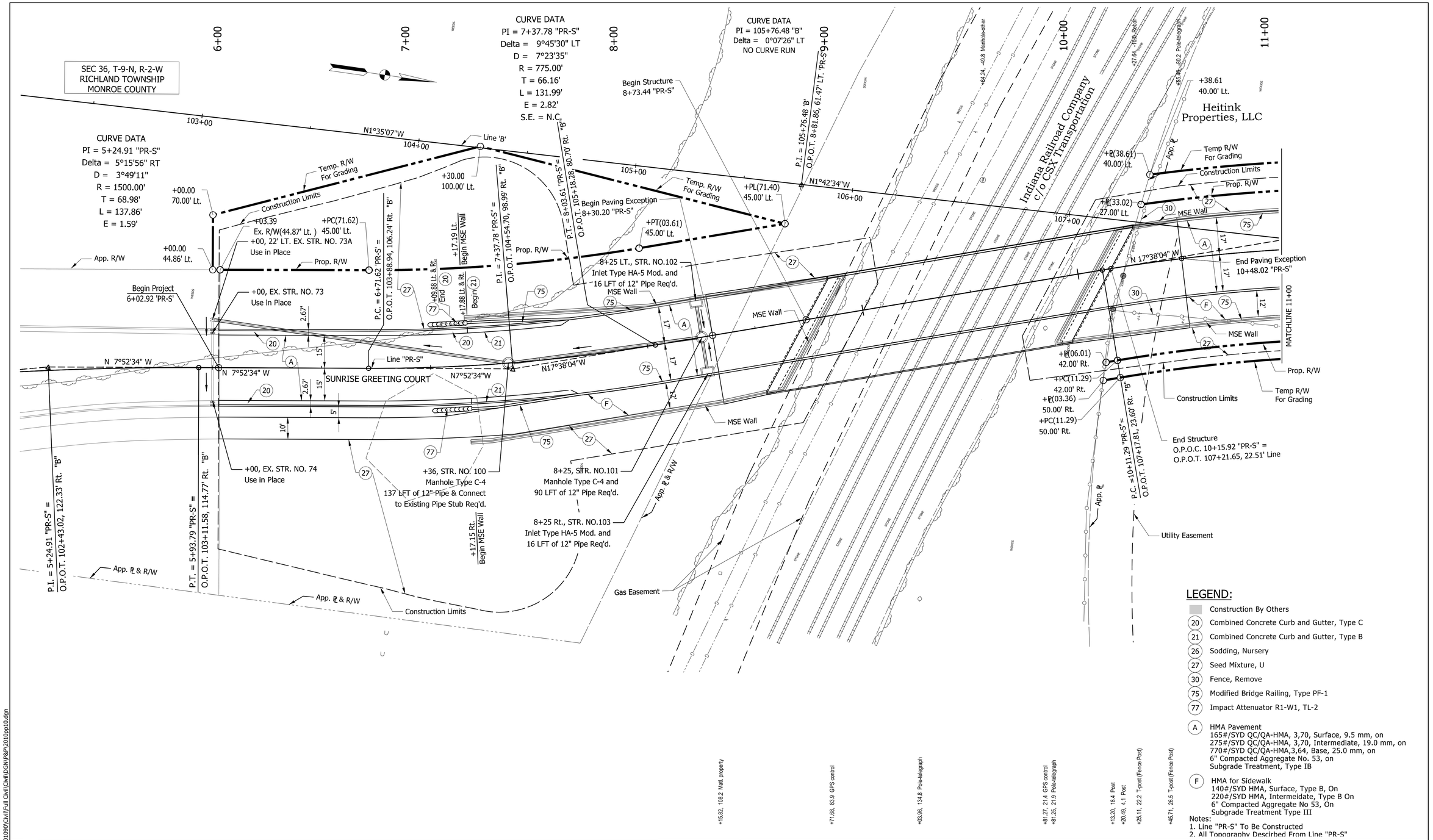
SEC 36, T-9-N, R-2-W
RICHLAND TOWNSHIP
MONROE COUNTY

CURVE DATA
PI = 5+24.91 "PR-S"
Delta = 5°15'56" RT
D = 3°49'11"
R = 1500.00'
T = 68.98'
L = 137.86'
E = 1.59'

CURVE DATA
PI = 7+37.78 "PR-S"
Delta = 9°45'30" LT
D = 7°23'35"
R = 775.00'
T = 66.16'
L = 131.99'
E = 2.82'
S.E. = N.C.

CURVE DATA
PI = 105+76.48 "B"
Delta = 0°07'26" LT
NO CURVE RUN



LEGEND:

- Construction By Others
- (20) Combined Concrete Curb and Gutter, Type C
- (21) Combined Concrete Curb and Gutter, Type B
- (26) Sodding, Nursery
- (27) Seed Mixture, U
- (30) Fence, Remove
- (75) Modified Bridge Railing, Type PF-1
- (77) Impact Attenuator R1-W1, TL-2
- (A) HMA Pavement
  165#/SYD QC/QA-HMA, 3,70, Surface, 9.5 mm, on
  275#/SYD QC/QA-HMA, 3,70, Intermediate, 19.0 mm, on
  770#/SYD QC/QA-HMA,3,64, Base, 25.0 mm, on
  6" Compacted Aggregate No. 53, on
  Subgrade Treatment, Type IB
- (F) HMA for Sidewalk
  140#/SYD HMA, Surface, Type B, On
  220#/SYD HMA, Intermeidate, Type B On
  6" Compacted Aggregate No 53, On
  Subgrade Treatment Type III

Notes:
1. Line "PR-S" To Be Constructed
2. All Topography Described From Line "PR-S"

+15.82, 108.2 Matl. property
+71.68, 83.9 GPS control
+03.96, 134.8 Pole-telegraph
+81.27, 21.4 GPS control
+81.25, 21.9 Pole-telegraph
+13.20, 18.4 Post
+20.49, 4.1 Post
+25.11, 22.2 T-post (Fence Post)
+45.71, 26.5 T-post (Fence Post)

227 N=1430103.9727 E=3096809.6754
Mag Nail Set Flush in RR Tie
DLZ Capped Rebar Flush 328.48' Right of POT Sta 105+33.26, Line "B"

230 N=1430245.2666 E=3096401.8875
Mag Nail Set Flush in RR Tie
DLZ Capped Rebar Flush 75.01' Left of POT Sta 106+85.95, Line "B"

DLZ

NOT FOR CONSTRUCTION
DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: AMH	11/2019	DRAWN: DPH	11/2019
CHECKED: DSB	11/2019	CHECKED: AMH	11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN
LINE "PR-S"

SCALE	BRIDGE FILE
1" = 20'	----
	DESIGNATION
	1702957
SURVEY BOOK	SHEETS
ELECTRONIC	10 of 56
CONTRACT	PROJECT
R-40890	1702957

4/6/2020
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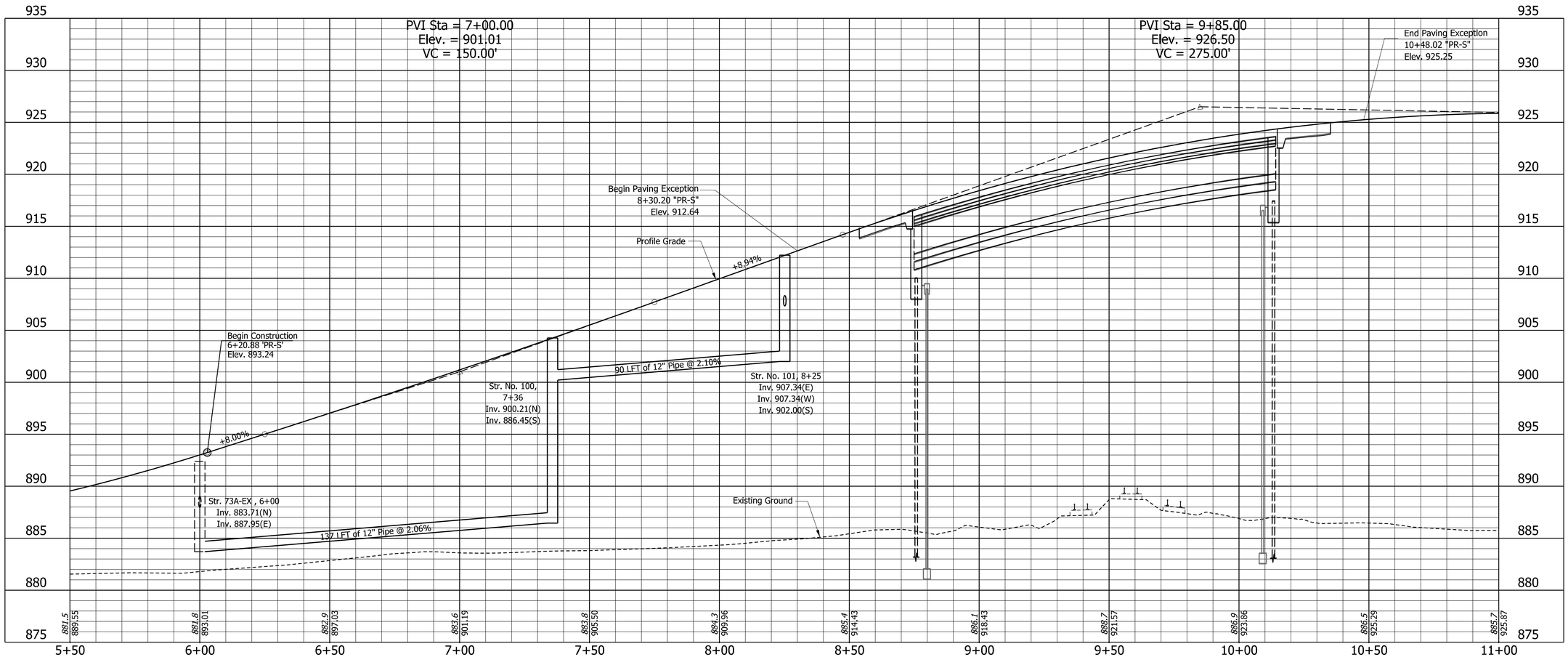

TBM 15 ELEV=881.740 (NAVD88)
Cut "X" North Bonnet Bolt Top Flange of Fire Hydrant @ S.E. Corner of Susan and Gates

TBM 20 ELEV=883.750 (NAVD88)
Mag Spike Set East Face of Guy Pole West Side Electric Substation Fence

TBM 21 ELEV=889.620 (NAVD88)
Mag Spike Set in West Side Abandon Telegraph Pole North Side of Railroad ROW

DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER DATE

DESIGNED: AMH	11/2019	DRAWN: DPH	11/2019
CHECKED: DSB	11/2019	CHECKED: AMH	11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

PROFILE
LINE "PR-S"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	---
VERTICAL SCALE	DESIGNATION
1"-5'	1702957
SURVEY BOOK	SHEETS
ELECTRONIC	11 of 56
CONTRACT	PROJECT
R-40890	1702957

4/6/2020
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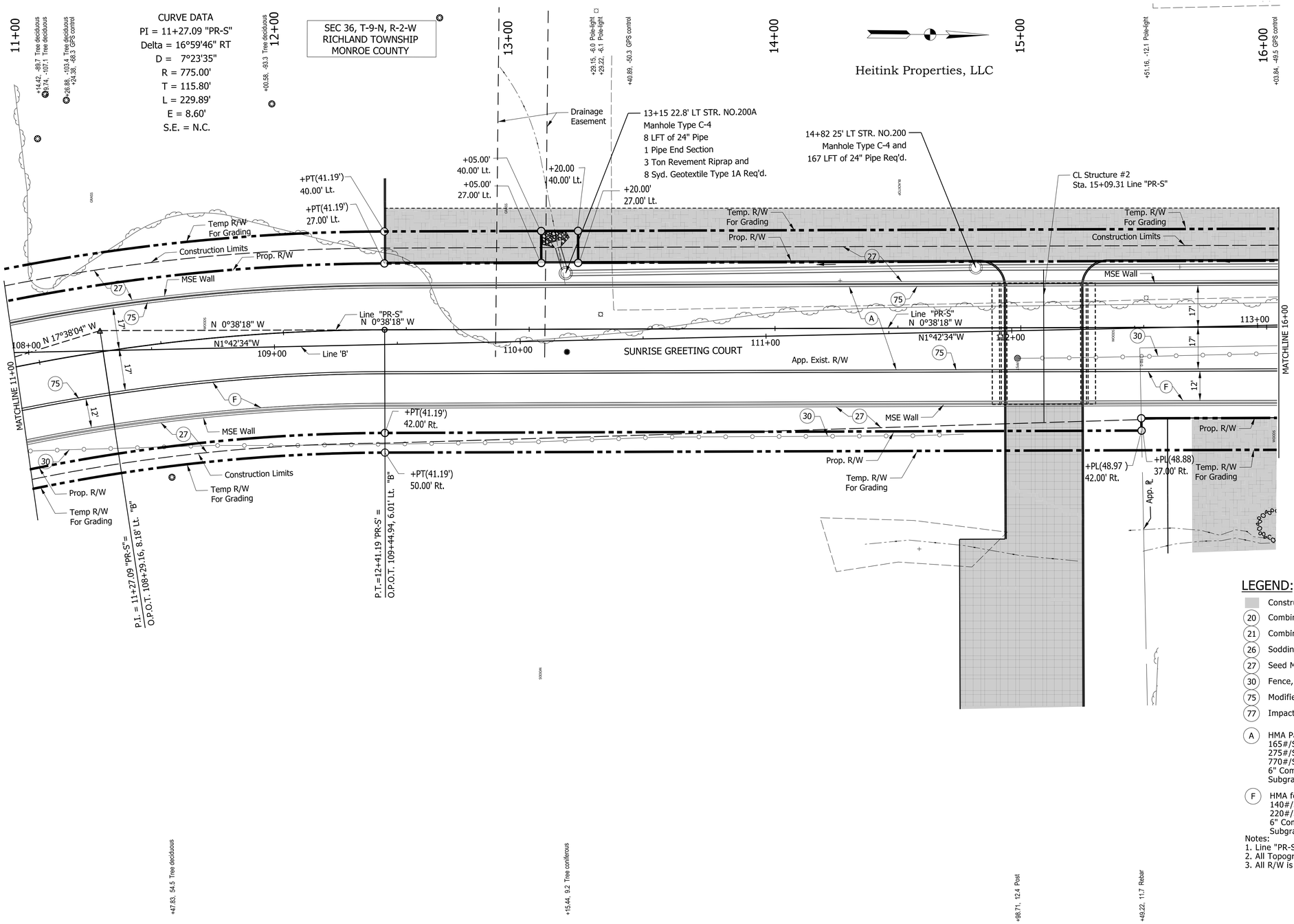
X:\Projects\GFL\2018\1863\201090\Civil\Full Civil\DGN\P&P\2010pr10.dgn

CURVE DATA
PI = 11+27.09 "PR-S"
Delta = 16°59'46" RT
D = 7°23'35"
R = 775.00'
T = 115.80'
L = 229.89'
E = 8.60'
S.E. = N.C.

SEC 36, T-9-N, R-2-W
RICHLAND TOWNSHIP
MONROE COUNTY

Heitink Properties, LLC

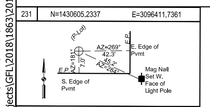


LEGEND:

- Construction By Others
- (20) Combined Concrete Curb and Gutter, Type C
- (21) Combined Concrete Curb and Gutter, Type B
- (26) Sodding, Nursery
- (27) Seed Mixture, U
- (30) Fence, Remove
- (75) Modified Bridge Railing, Type PF-1
- (77) Impact Attenuator R1-W1, TL-2
- (A) HMA Pavement
  165#/SYD QC/QA-HMA, 3,70, Surface, 9.5 mm, on
  275#/SYD QC/QA-HMA, 3,70, Intermediate, 19.0 mm, on
  770#/SYD QC/QA-HMA,3,64, Base, 25.0 mm, on
  6" Compacted Aggregate No. 53, on
  Subgrade Treatment, Type IB
- (F) HMA for Sidewalk
  140#/SYD HMA, Surface, Type B, On
  220#/SYD HMA, Intermeidate, Type B On
  6" Compacted Aggregate No 53, On
  Subgrade Treatment Type III

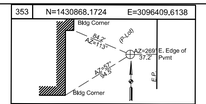
Notes:
1. Line "PR-S" To Be Constructed
2. All Topography Descirbed From Line "PR-S"
3. All R/W is Defined from Line "PR-S"

231	N=1430605.2337	E=3096411.7361



Mag Spike Flush
54.43' Left of
POT Sta 110+45.46, Line "B"

353	N=1430868.1724	E=3096409.6138



Mag Nail Flush
48.70' Left of
POT Sta 113+08.34, Line "B"

DLZ

NOT FOR CONSTRUCTION
DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: AMH 11/2019 DRAWN: DPH 11/2019
CHECKED: DSB 11/2019 CHECKED: AMH 11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN
LINE "PR-S"

SCALE	BRIDGE FILE
1" = 20'	---
	DESIGNATION
	1702957

SURVEY BOOK	SHEETS		
ELECTRONIC	12	of	56
CONTRACT	PROJECT		
R-40890	1702957		

4/6/2020
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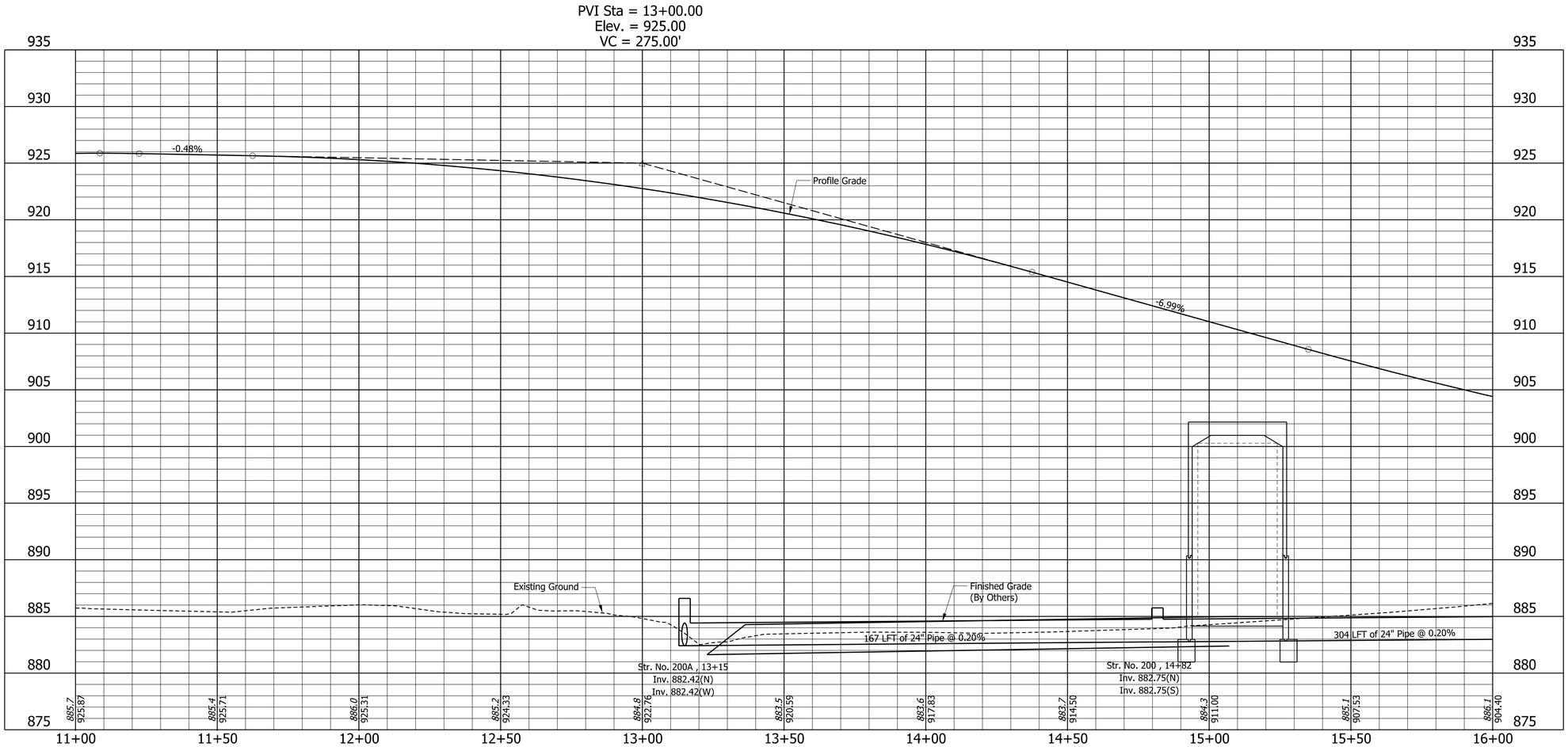

TBM 22 ELEV=887.105 (NAVD88)
Bench Tie Set in South Side of Light Pole #766-836, Southwest Corner Parking Lot

DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE

DESIGNED: AMH 11/2019 DRAWN: DPH 11/2019

CHECKED: DSB 11/2019 CHECKED: AMH 11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

PROFILE
LINE "PR-S"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	---
VERTICAL SCALE	DESIGNATION
1"-5'	1702957
SURVEY BOOK	SHEETS
ELECTRONIC	13 of 56
CONTRACT	PROJECT
R-40890	1702957

4/6/2020
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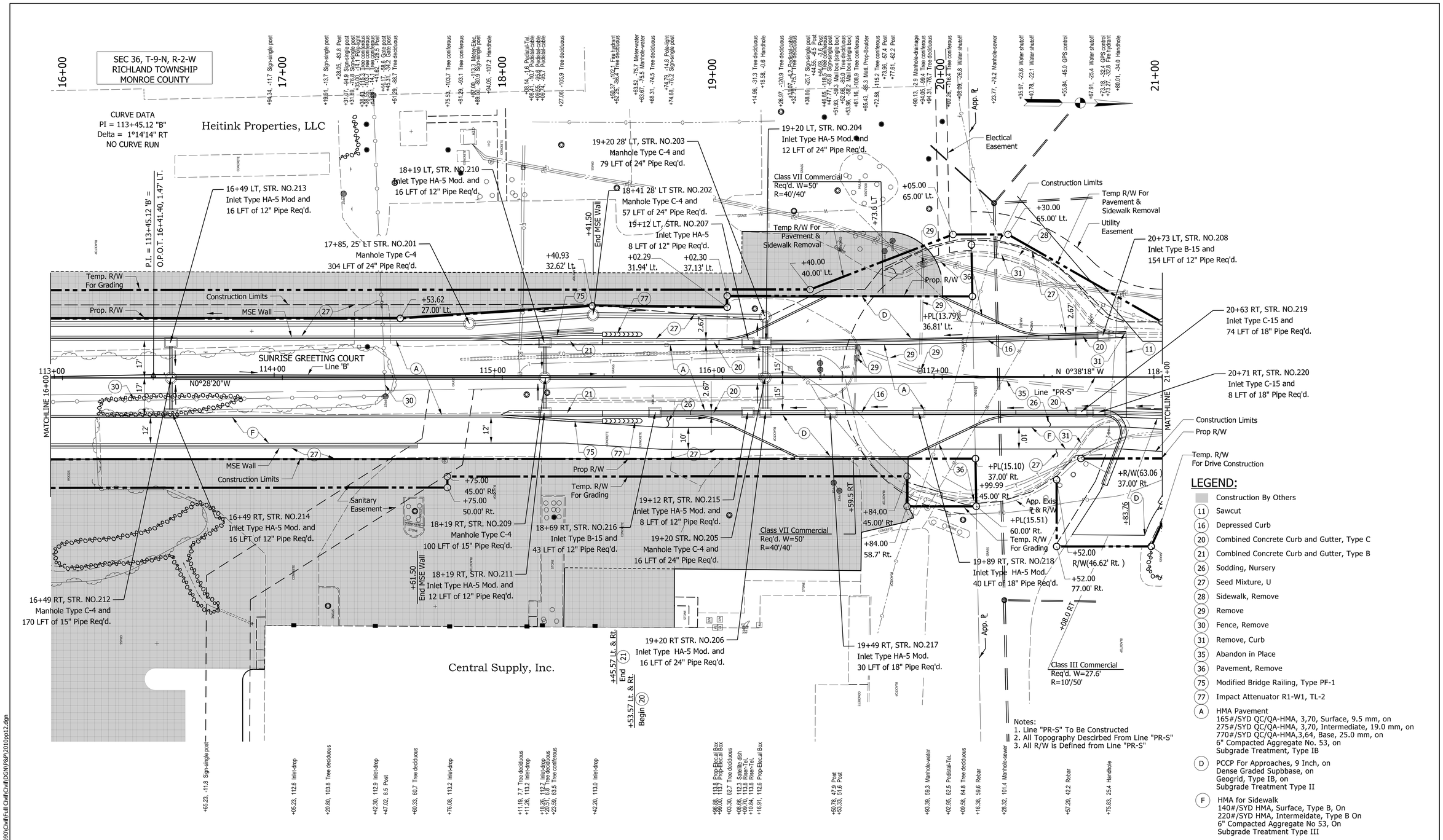


DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

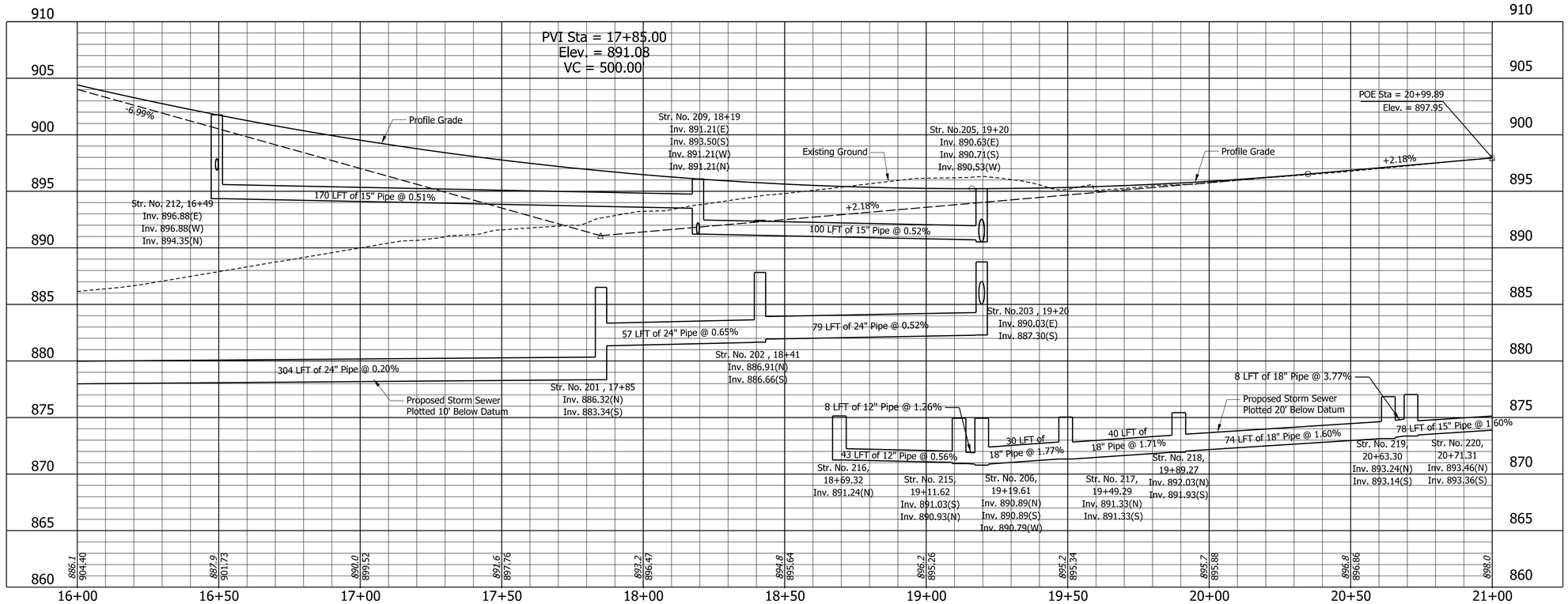
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE

DESIGNED: AMH	11/2019	DRAWN: DPH	11/2019
CHECKED: DSB	11/2019	CHECKED: AMH	11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN
LINE "PR-S"

SCALE	BRIDGE FILE
1" = 20'-0"	---
	DESIGNATION
	1702957
SURVEY BOOK	SHEETS
ELECTRONIC	14 of 56
CONTRACT	PROJECT
R-40890	1702957



TBM 23 ELEV=899.070 (NAVD88)
Cut "x" East Bonnet Bolt of Fire Hydrant Located in Northwest Quad of Culdesac

DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE

DESIGNED: AMH 11/2019	DRAWN: DPH 11/2019		
CHECKED: DSB 11/2019	CHECKED: AMH 11/2019		

INDIANA
DEPARTMENT OF TRANSPORTATION

PROFILE
LINE "PR-S"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	---
VERTICAL SCALE	DESIGNATION
1"-5'-0"	1702957
SURVEY BOOK	SHEETS
ELECTRONIC	15 of 56
CONTRACT	PROJECT
R-40890	1702957

4/6/2020
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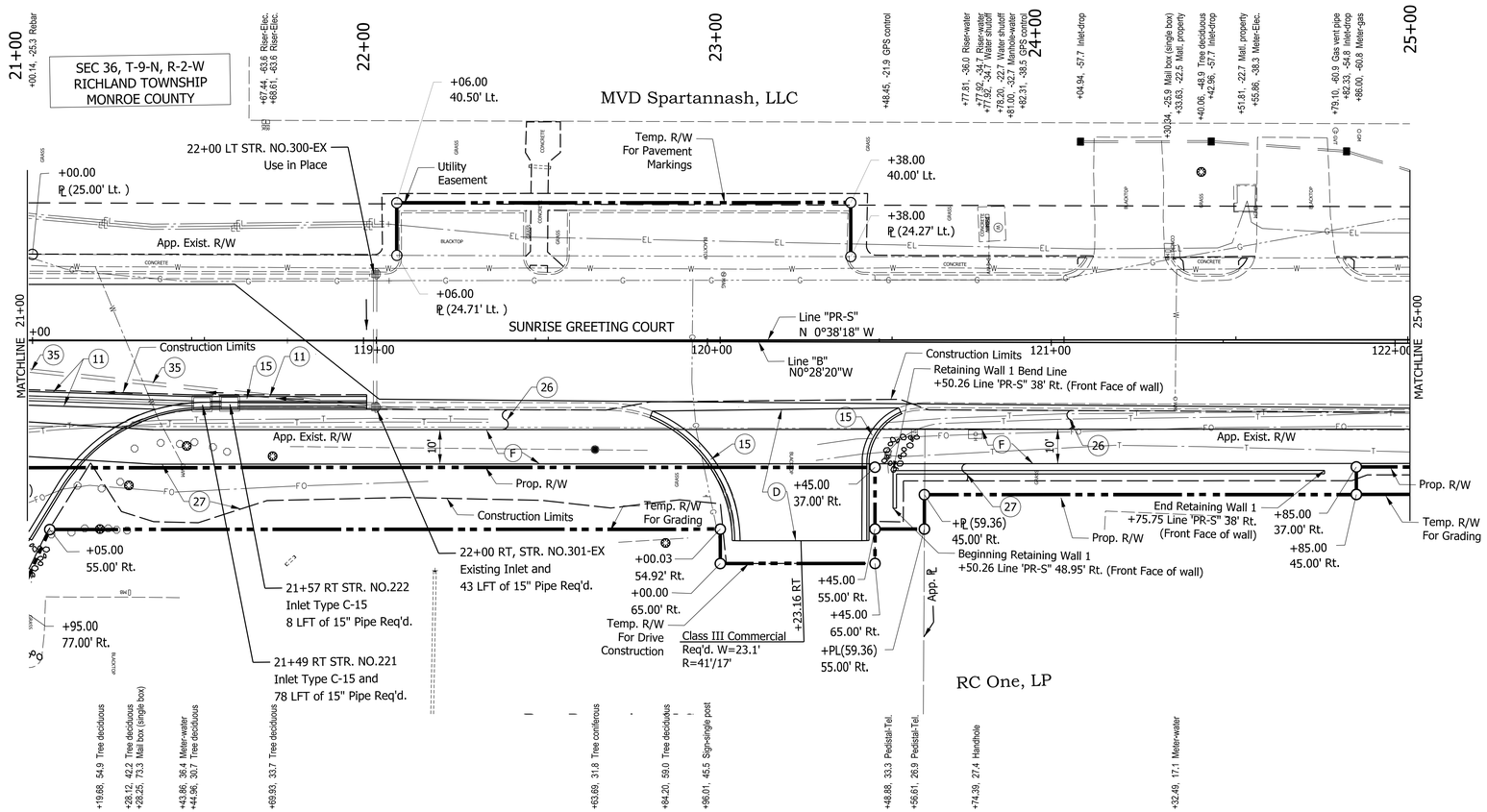

LEGEND:

- (11) Sawcut
- (15) Combined Concrete Curb & Gutter
- (26) Sodding, Nursery
- (27) Seed Mixture, U
- (35) Abandon in Place
- (F) HMA for Sidewalk
  140#/SYD HMA, Surface, Type B, On
  220#/SYD HMA, Intermeidate, Type B On
  6" Compacted Aggregate No 53, On
  Subgrade Treatment Type III

Notes:
1. Line "PR-S" To Be Constructed
2. All Topography Descirbed From Line "PR-S"
3. All R/W is Defined from Line "PR-S"

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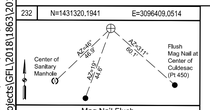
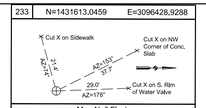


Mag Nail Flush
44.74' Left of
POT Sta 117+59.31, Line "B"

233	N=1431613.0459	E=3096428.9288



Mag Nail Flush
22.45' Left of
POT Sta 120+51.99, Line "B"

DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: AMH 11/2019 DRAWN: DPH 11/2019

CHECKED: DSB 11/2019 CHECKED: AMH 11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
LINE "PR-S"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'-0"	----
VERTICAL SCALE	DESIGNATION
1"-5'-0"	1702957
SURVEY BOOK	SHEETS
ELECTRONIC	16 of 56
CONTRACT	PROJECT
R-40890	1702957

4/7/2020
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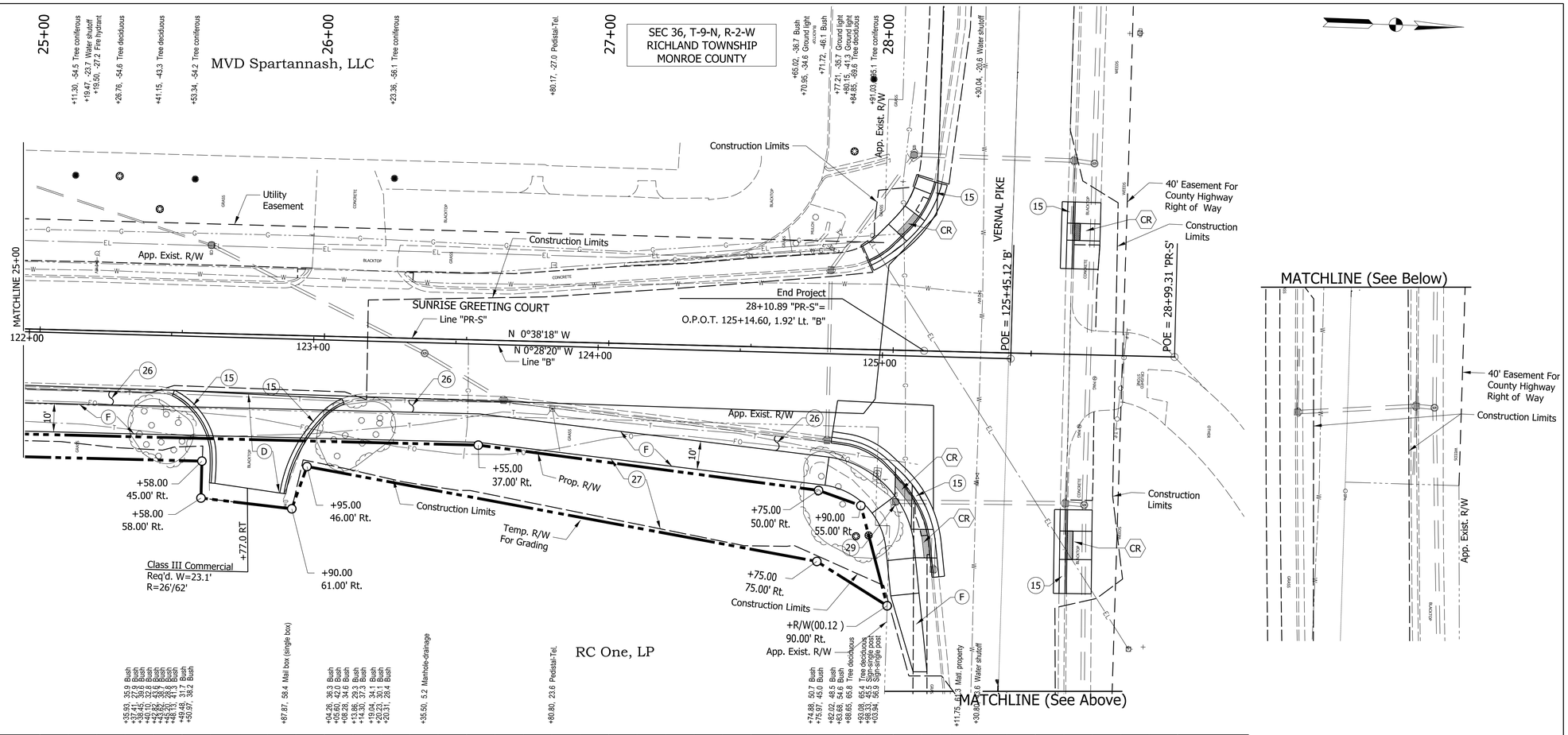
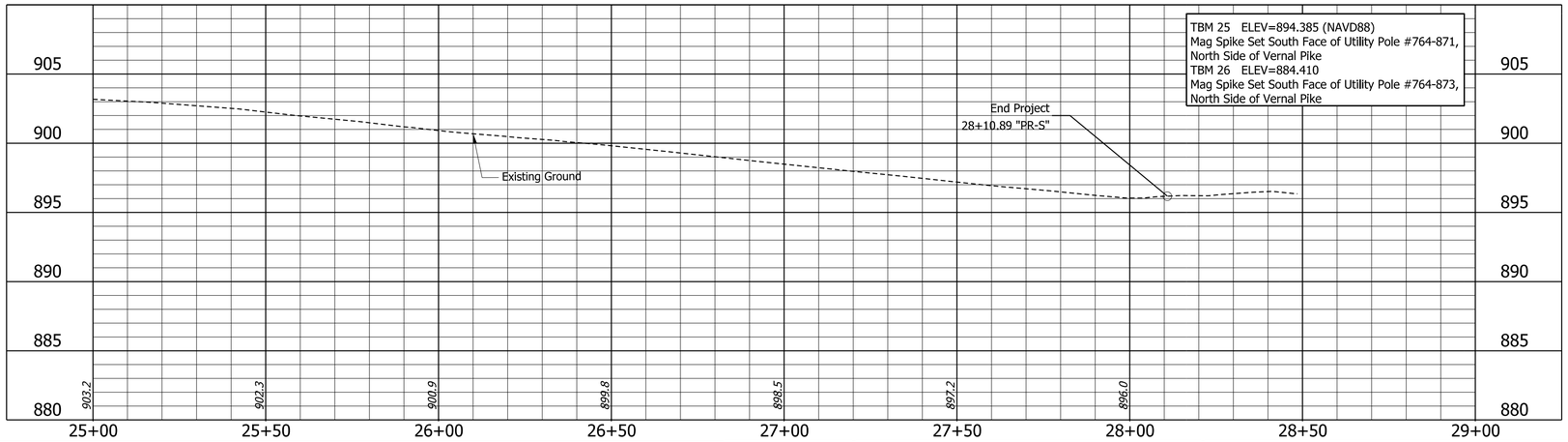
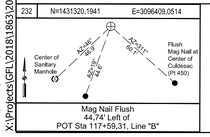


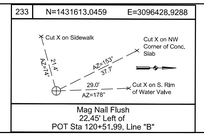


LEGEND:

- (15) Combined Concrete Curb & Gutter
- (26) Sodding, Nursery
- (27) Seed Mixture, U
- (29) Remove Inlet and Cap Existing Pipe
- (F) HMA for Sidewalk
  140#/SYD HMA, Surface, Type B, On
  220#/SYD HMA, Intermeidate, Type B On
  6" Compacted Aggregate No 53, On
  Subgrade Treatment Type III

Notes:
1. Line "PR-S" To Be Constructed
2. All Topography Described From Line "PR-S"
3. All R/W is Defined from Line "PR-S"





DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: AMH	11/2019	DRAWN: DPH	11/2019
CHECKED: DSB	11/2019	CHECKED: AMH	11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
LINE "PR-S"

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	---
VERTICAL SCALE	DESIGNATION
1"-5'	1702957
SURVEY BOOK	SHEETS
ELECTRONIC	17 of 56
CONTRACT	PROJECT
R-40890	1702957

4/6/2020
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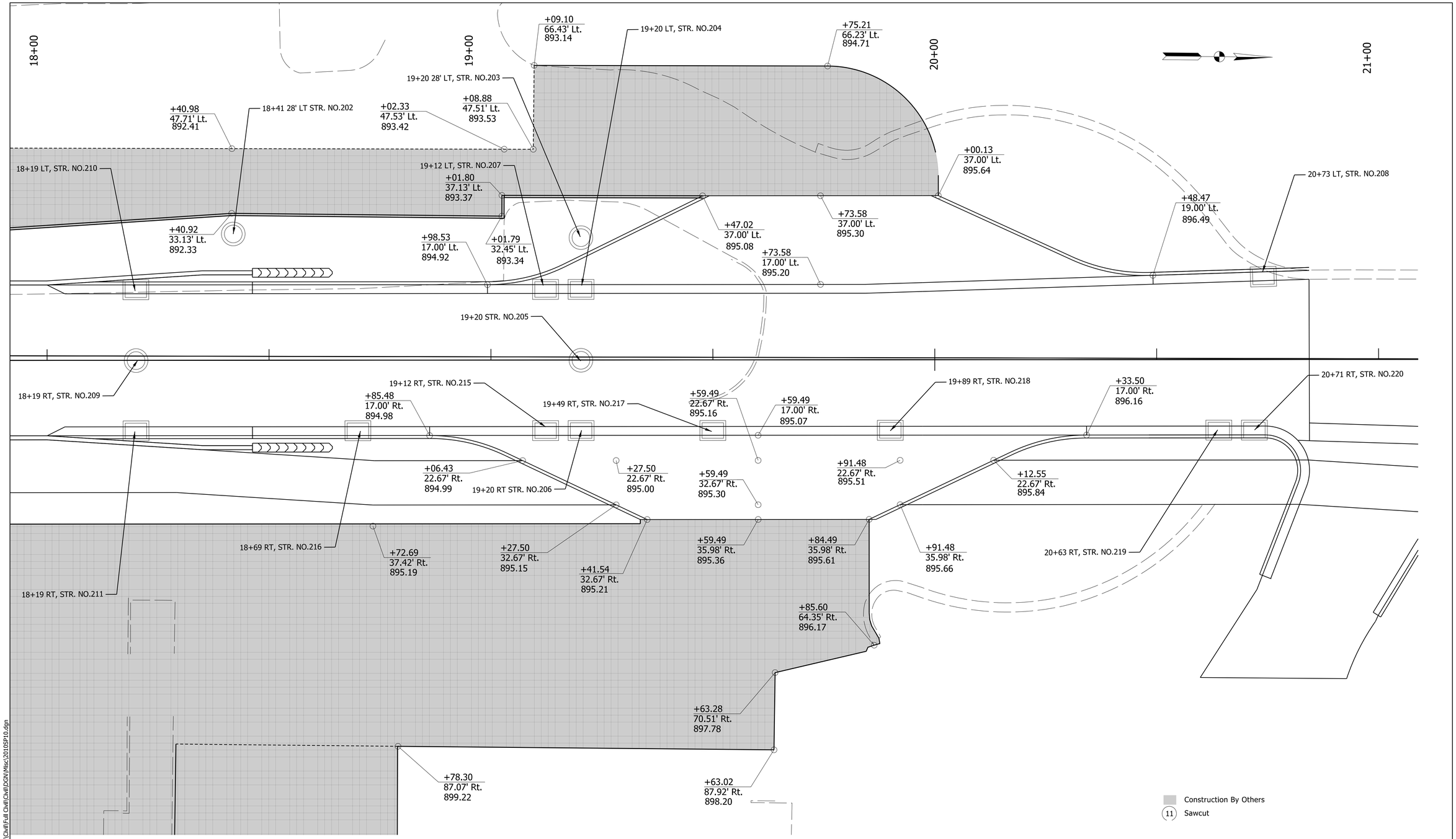

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DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE

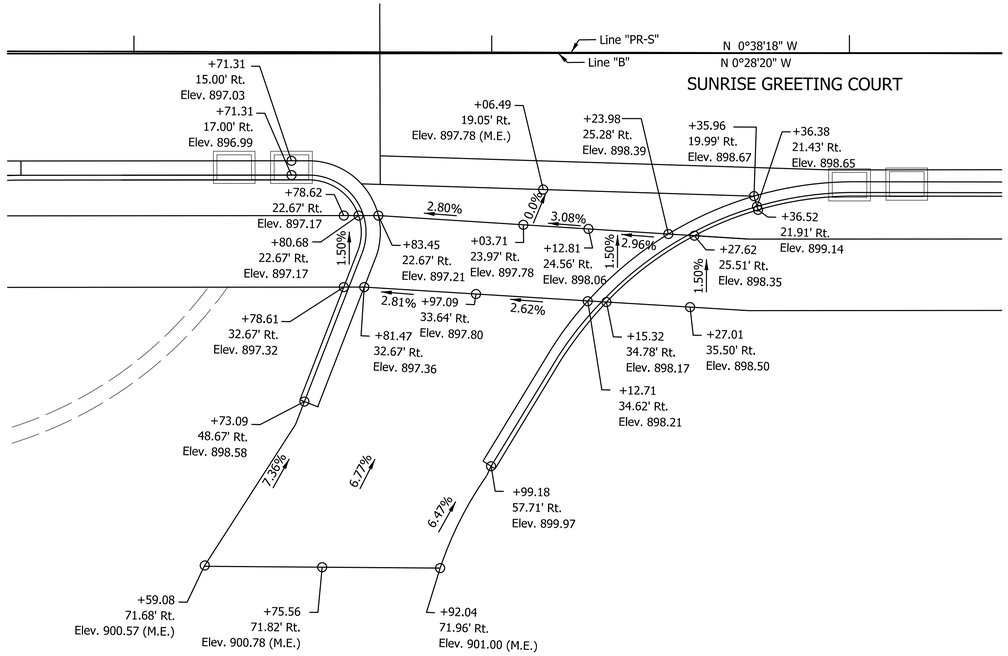
DESIGNED: AMH	11/2019	DRAWN: DPH	11/2019
CHECKED: DSB	11/2019	CHECKED: AMH	11/2019

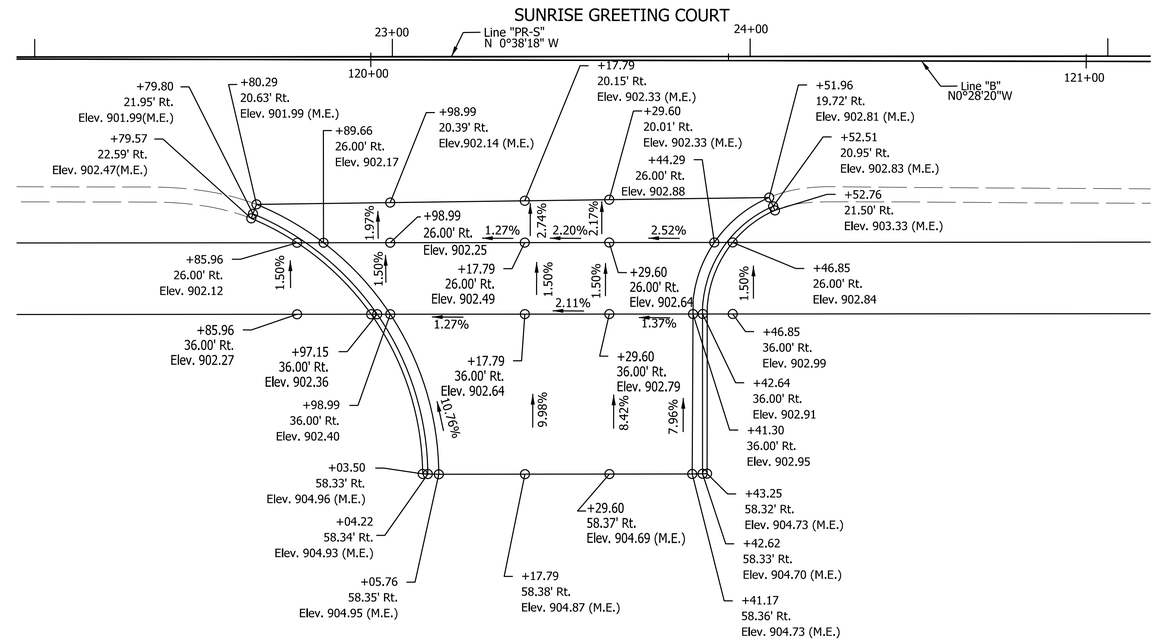
INDIANA
DEPARTMENT OF TRANSPORTATION

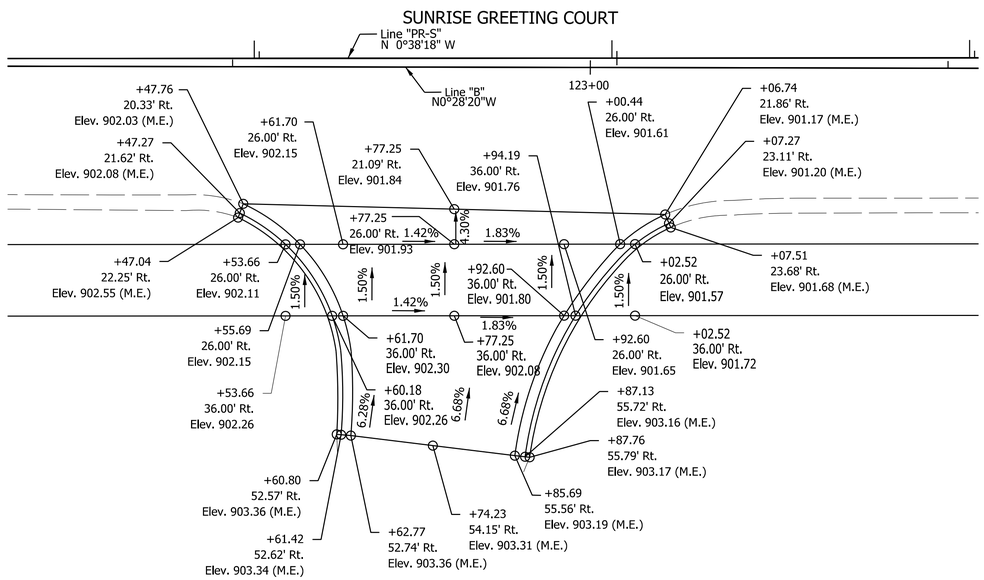
SPOT ELEVATIONS

SCALE	BRIDGE FILE
1" = 10'-0"	---
	DESIGNATION
	1702957

SURVEY BOOK	SHEETS
ELECTRONIC	18 of 56
CONTRACT	PROJECT
R-40890	1702957







Construction By Others

M.E. Match Existing

3/31/2020
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DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE

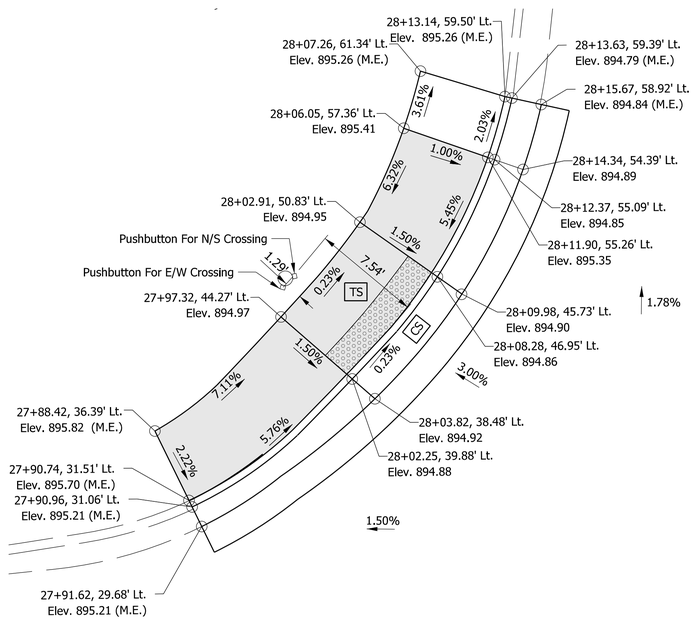
DESIGNED: AMH 11/2019 DRAWN: DPH 11/2019

CHECKED: DSB 11/2019 CHECKED: AMH 11/2019

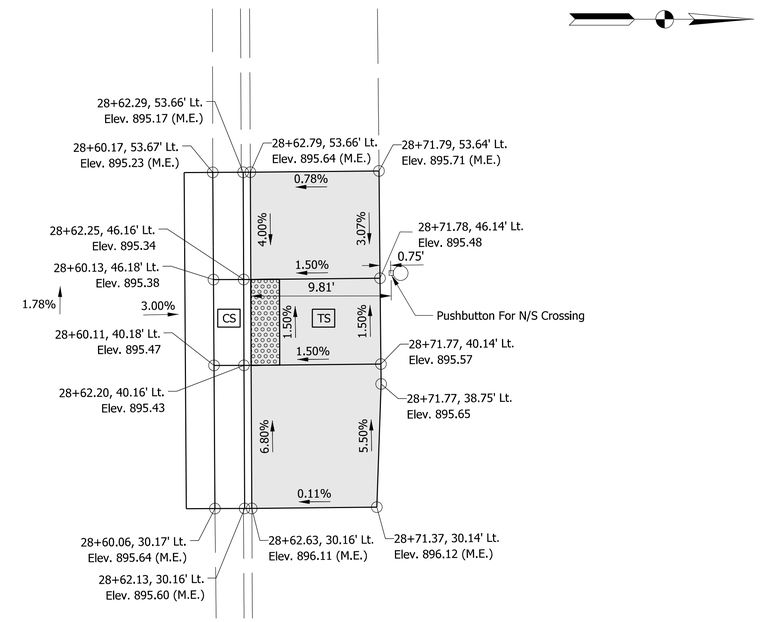
INDIANA
DEPARTMENT OF TRANSPORTATION

SPOT ELEVATIONS

SCALE	BRIDGE FILE
1" = 10'-0"	---
	DESIGNATION
	1702957
SURVEY BOOK	SHEETS
ELECTRONIC	19 of 56
CONTRACT	PROJECT
R-40890	1702957



VERNAL PIKE



WEST CURB RAMPS

LEGEND:

- CS — Clear Space (4'x4' Min.)
- TS — Turning Space (4'x4' Min.)
- Detectable Warning Surface
- Pay Limits for Curb Ramps
- M.E. — Match Existing

NOTE:
1. Station and offset distances are from line 'PRS' unless otherwise noted.
2. Spot elevation details are to be considered complete units and their grades determined prior to construction. Spot elevations govern over profile grade and typical section.
3. Back of curb elevations are considered the same as the front of curb elevation at depresed curbs. Grades on curb ramps have been determined from the back of the curb.

4/8/2020
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DLZ

NOT FOR CONSTRUCTION
DLZ INDIANA, LLC

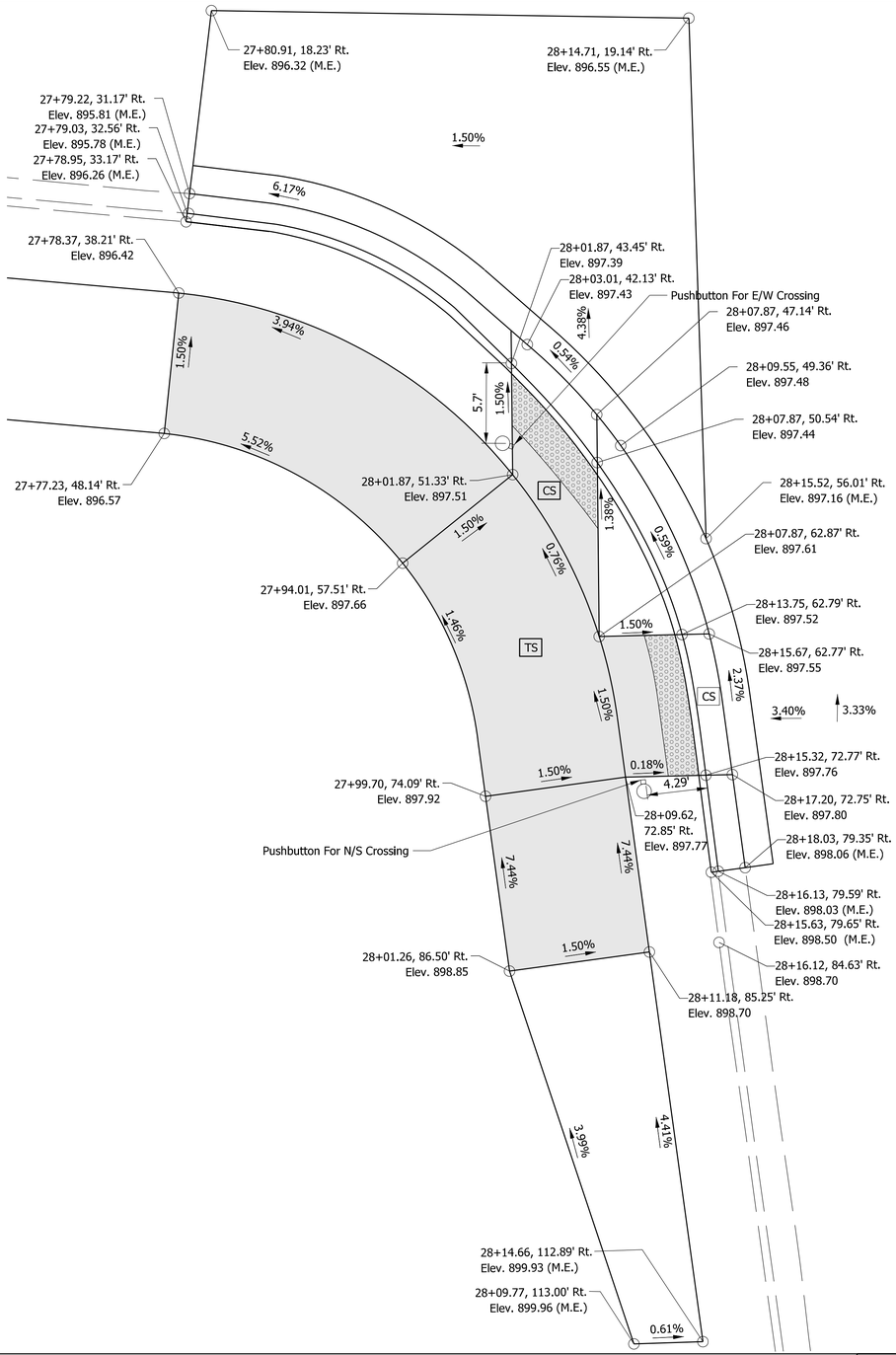
RECOMMENDED FOR APPROVAL
DESIGN ENGINEER DATE

DESIGNED: AMH 11/2019 DRAWN: DPH 11/2019
CHECKED: DSB 11/2019 CHECKED: AMH 11/2019

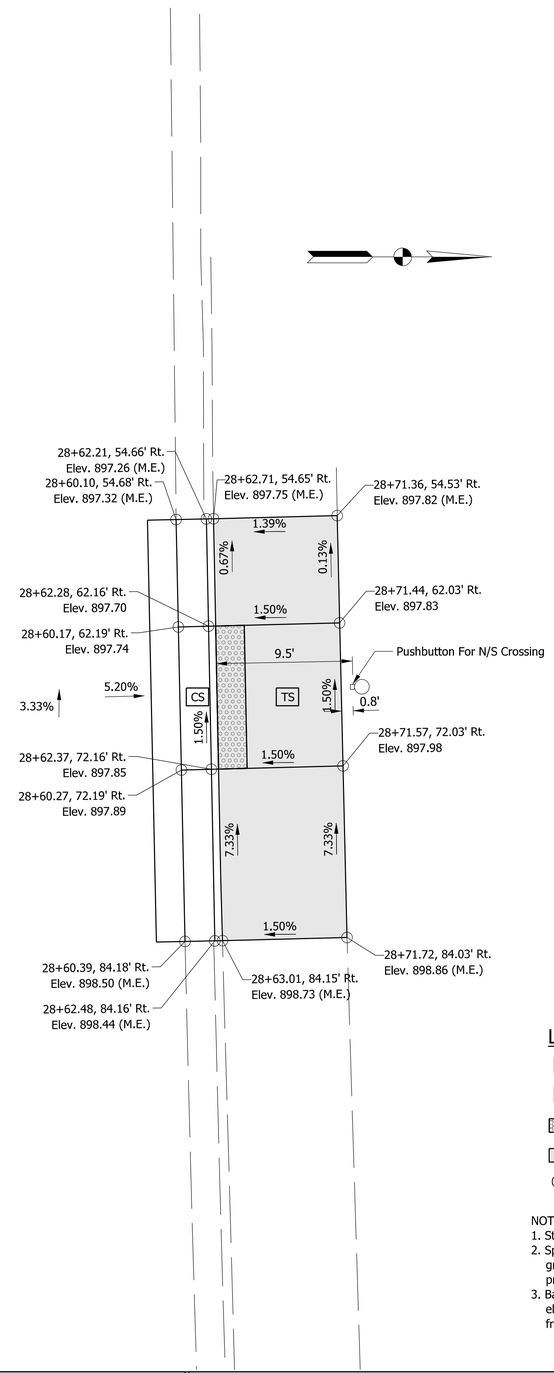
INDIANA
DEPARTMENT OF TRANSPORTATION

SPOT DETAILS

SCALE	BRIDGE FILE
1:5	---
	DESIGNATION
	1702957
SURVEY BOOK	SHEETS
ELECTRONIC	20 of 56
CONTRACT	PROJECT
R-40890	1702957



EAST CURB RAMPS



LEGEND:

- CS — Clear Space (4'x4' Min.)
- TS — Turning Space (4'x4' Min.)
- Detectable Warning Surface
- Pay Limits for Curb Ramps
- (M.E.) — Match Existing

NOTE:
1. Station and offset distances are from line 'PRS' unless otherwise noted.
2. Spot elevation details are to be considered complete units and their grades determined prior to construction. Spot elevations govern over profile grade and typical section.
3. Back of curb elevations are considered the same as the front of curb elevation at depresed curbs. Grades on curb ramps have been determined from the back of the curb.

4/8/2020
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DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE

DESIGNED: AMH 11/2019 | DRAWN: DPH 11/2019

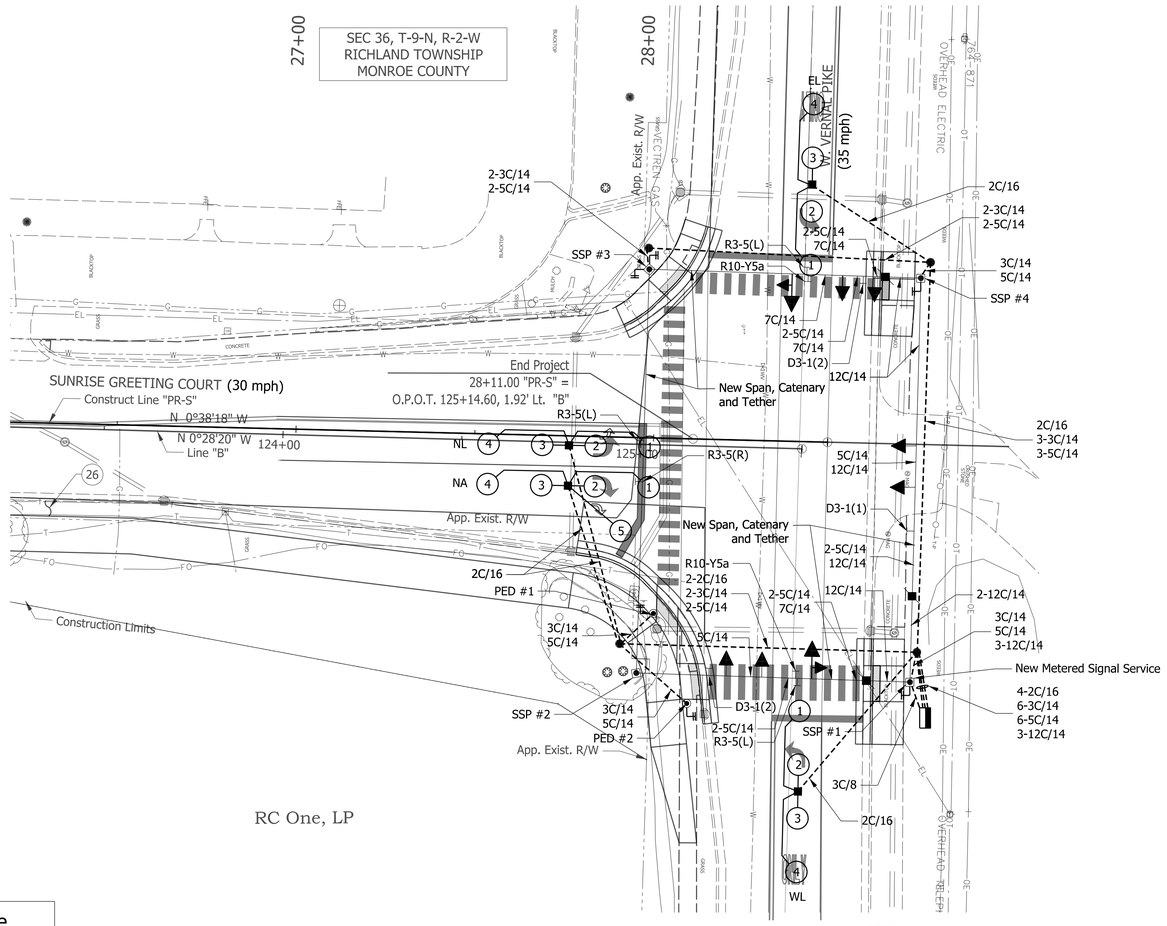
CHECKED: DSB 11/2019 | CHECKED: AMH 11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

SPOT DETAILS

SCALE	BRIDGE FILE
1:5	---
	DESIGNATION
	1702957

SURVEY BOOK	SHEETS		
ELECTRONIC	21	of	56
CONTRACT	PROJECT		
R-40890	1702957		



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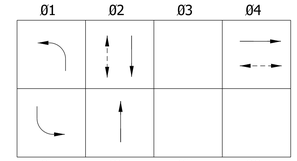


All Red Flash

Loop Tagging Table

Lane	Tag Number
NL	NL4-1,2,3,4
NA	NA4-1,2,3,4,5
EL	EL5-1,2,3,4
WL	WL1-1,2,3,4

Foundation Schedule

Foundation	Line	Station	Offset
SSP #1	"PR-S"	28+73.20	66.50 Rt.
SSP #2	"PR-S"	27+96.65	65.82 Rt.
SSP #3	"PR-S"	27+97.54	47.12 Lt.
SSP #4	"PR-S"	28+73.50	46.50 Lt.
PED #1	"PR-S"	28+01.04	49.06 Rt.
PED #2	"PR-S"	28+10.95	74.00 Rt.
CONTROLLER CABINET	"PR-S"	28+77.67	76.50 Rt.

NOTES:

1. The latest Indiana Department of Transportation Standard Specifications and current supplements thereto to be used with these plans, unless otherwise noted in project plans and specifications.
2. All unused cables shall be removed from conduits, handholes, poles and cabinet.
3. Prior to beginning any work activities associated with this plan, the Contractor shall notify all utility entities and have their utilities located and marked.
4. Pavement Markings Shown for Information Only.
5. Eastbound 4-section left turn signal head installed for future use. Phase 5 operation shall be disabled in controller until such time it is to be activated.

LEGEND

- Proposed 2" Galvanized Steel Conduit
- Span, Catenary, And Tether
- Proposed Signal Handhole
- Proposed Controller And Cabinet
- Proposed Loop Detector, 6' Diameter, 4 Turns
- Sign Mounted on Span and Catenary
- Proposed Pedestrian Signal Indication And New APS Push Button And R10-3e Sign
- Proposed Detector Housing
- Proposed 30' Steel Strain Pole
- Proposed Traffic Signal Head, 3-Section (12" Red, 12" Amber, 12" Green) On New Signal Span
- Proposed Traffic Signal Head, 4-Section (12" Red Arrow, 2x12" Amber Arrows, 12" Green Arrow) On New Signal Span
- Proposed Disconnect Hanger
- Proposed 10' Pedestal Pole and Base on New Foundation

DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: AMH 11/2019 DRAWN: DPH 11/2019

CHECKED: DSB 11/2019 CHECKED: AMH 11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

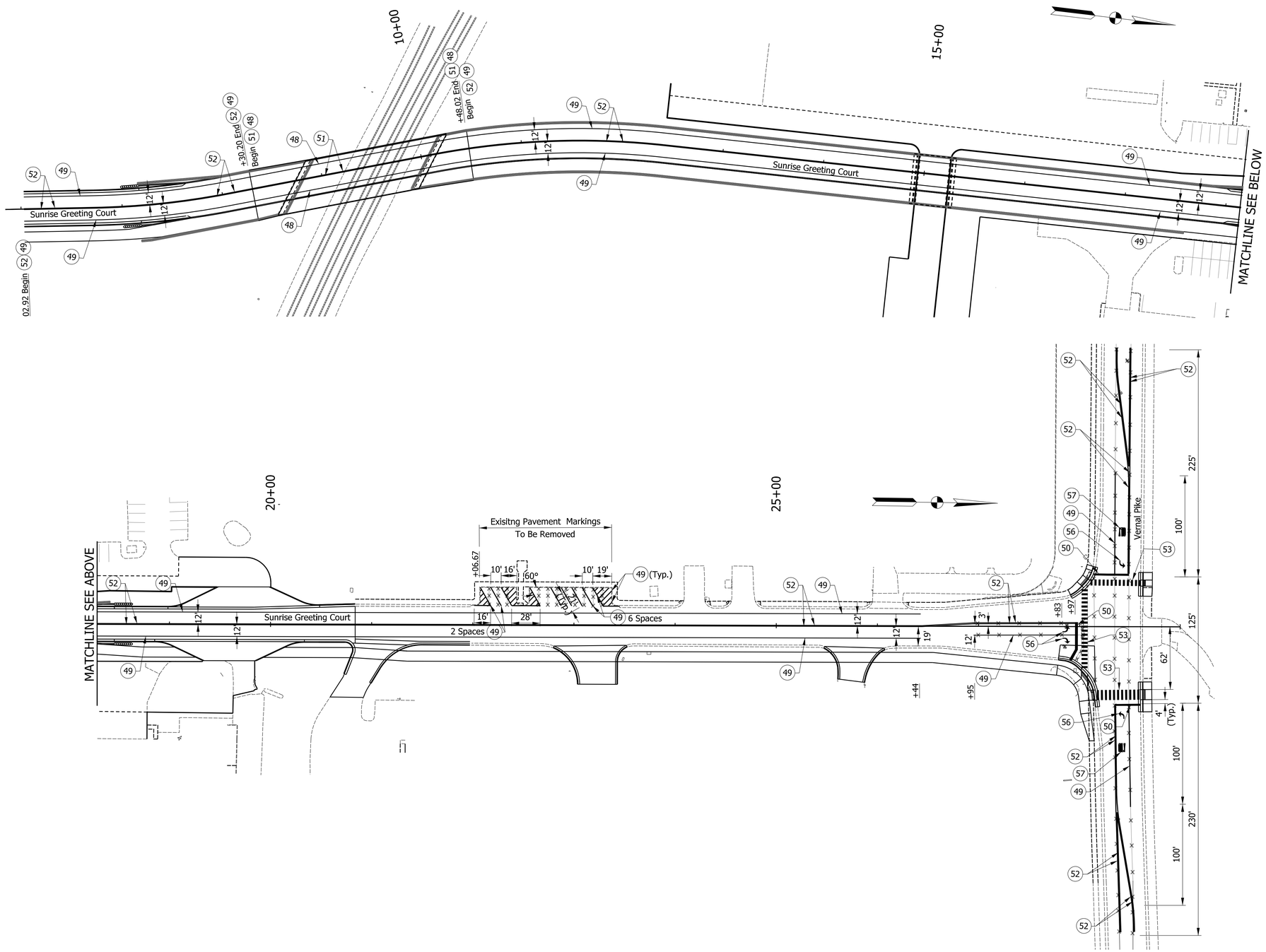
TRAFFIC SIGNAL PLAN
SUNRISE GREETING COURT AND VERNAL PIKE

Commission No.

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	---
	DESIGNATION
	1702957
SURVEY BOOK	SHEETS
ELECTRONIC	22 of 56
CONTRACT	PROJECT
R-40890	1702957

3/31/2020
PW:\\2018\ 1863\ 2010\
X:\Projects\GFL\2018\1863\201090\Civil\Full Civil\DGN\Misc\201105G10.dgn

RC One, LP



LEGEND:

48	Line, Paint, Solid, White, 4 In.
49	Thermoplastic, Solid, White, 4 In.
50	Traverse Marking, Thermoplastic, Stop Line, 24"
51	Line, Paint, Solid, Yellow, 4 In.
52	Line, Thermoplastic, Solid, Yellow, 4 In.
53	Transverse Marking, Thermoplastic, White, Crosswalk Line, 24"x10' (24" Spacing)
56	Pavement Message Marking, Lane Indication Arrows
57	Pavement Message Marking, Thermoplastic, ONLY
×—×	Existing Pavement Markings, Remove

DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE

DESIGNED: AMH 11/2019 DRAWN: DPH 11/2019

CHECKED: DSB 11/2019 CHECKED: AMH 11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING

SCALE	BRIDGE FILE
1" = 50'	----
	DESIGNATION
	1702957
SURVEY BOOK	SHEETS
ELECTRONIC	23 of 56
CONTRACT	PROJECT
R-40890	1702957

4/8/2020
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X:\Projects\GFL\2018\1863\201090\Civil\Full Civil\DGN\PM\2010PM01.dgn

SIGN DETAIL
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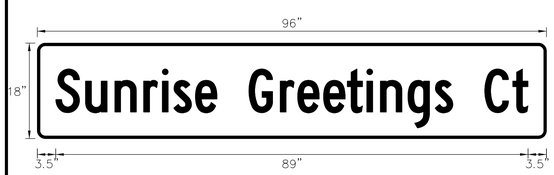


SIGN NUMBER	D3-3(1)
WIDTH x HGHT.	8'-0" x 1'-6"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

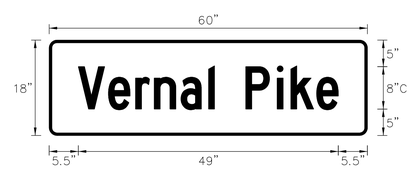
SYMBOL	ROT	X	Y	WID	HT

Panel Style: D-3.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																				LENGTH	SERIES/SIZE
S	u	n	r	i	s	e	G	r	e	e	t	i	n	g	s	C	t				C 2000
3.5	9.1	14.6	20	23.6	25.7	29.8	39.9	45.8	49.1	54	58.4	62.1	64.7	69.9	75	84.4	89.6			89	8/6

SIGN DETAIL
1:15



SIGN NUMBER	D3-3(2)
WIDTH x HGHT.	5'-0" x 1'-6"
BORDER WIDTH	0.5"
CORNER RADIUS	1.5"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: D-3.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)																				LENGTH	SERIES/SIZE
V	e	r	n	a	l	P	i	k	e												C 2000
5.5	11.2	16.3	19.8	24.9	30.1	37.1	43	45.6	50.4											49	8/6

DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: 1/2020 DRAWN: 1/2020

CHECKED: 1/2020 CHECKED: 1/2020

INDIANA
DEPARTMENT OF TRANSPORTATION

SIGN DETAILS

SCALE	BRIDGE FILE
NONE	---
	DESIGNATION
	1900406
SURVEY BOOK	SHEETS
ELECTRONIC	24 of 56
CONTRACT	PROJECT
R-40890	1702957

3/31/2020
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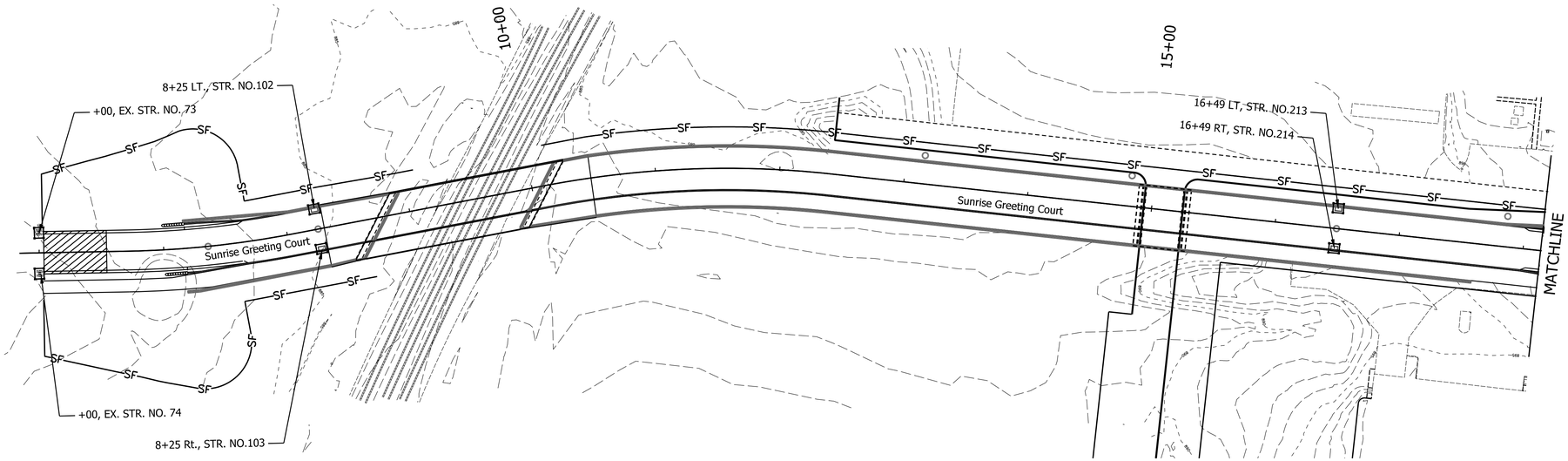

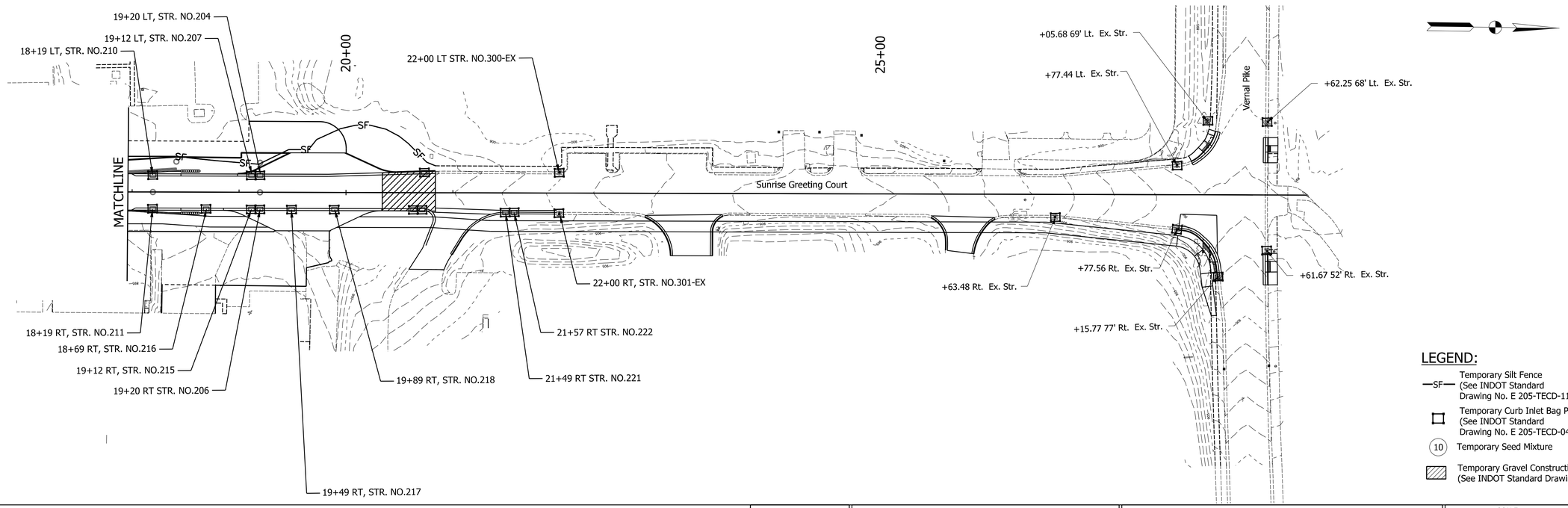

LEGEND:

- —SF— Temporary Silt Fence (See INDOT Standard Drawing No. E 205-TECD-11)
- Temporary Curb Inlet Bag Protection, (See INDOT Standard Drawing No. E 205-TECD-04)
- (10) Temporary Seed Mixture
- Temporary Gravel Construction Entrance, (See INDOT Standard Drawing No. E 205-TECD-12)

DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: AMH	11/2019	DRAWN: DPH	11/2019
CHECKED: DSB	11/2019	CHECKED: AMH	11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN

SCALE	BRIDGE FILE
1" = 50'	---
	DESIGNATION
	1702957
SURVEY BOOK	SHEETS
ELECTRONIC	25 of 56
CONTRACT	PROJECT
R-40890	1702957

3/31/2020
PW:\\2018\ 1863\ 2010\
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EROSION CONTROL TABLE

STATION		LOCATION LEFT	LOCATION MEDIAN	LOCATION RIGHT	Silt Fence LFT	SEDIMENT REMOVE CYS	SEDIMENT BASIN EACH	TEMPORARY, REVETMENT RIPRAP TON	TEMPORARY FILTER STONE TON	TEMPORARY SEED LBS	TEMPORARY MULCH TON	NO 2 STONE TON	TEMPORARY GEOTEXTILE SYS	CURB INLET PROTECTION EACH	REMARKS
Line 'PRS'															
6+00		X				1.5								1	
6+00				X		1.5								1	
8+25		X				1.5								1	
8+25				X		1.5								1	
16+49		X				1.5								1	
16+49				X		1.5								1	
18+19		X				1.5								1	
18+19				X		1.5								1	
18+69				X		1.5								1	
19+12		X				1.5								1	
19+12				X		1.5								1	
19+20		X				1.5								1	
19+20				X		1.5								1	
19+49				X		1.5								1	
19+89				X		1.5								1	
20+63				X		1.5								1	
20+71				X		1.5								1	
20+73		X				1.5								1	
21+49				X		1.5								1	
21+57				X		1.5								1	
22+00		X				1.5								1	
22+00				X		1.5								1	
26+63				X		1.5								1	
27+77		X				1.5								1	
27+78				X		1.5								1	
28+06		X				1.5								1	
28+16				X		1.5								1	
28+62		X				1.5								1	
28+62				X		1.5								1	
6+03	6+53		X									50	117.5		
6+03	9+09	X			344										
6+03	8+65			X	332										
10+14	20+84	X			1103										
20+33	20+83		X									50	117.5		
Line 'PRS'										489	9				
TOTAL COLUMN					1779	43.5	0	0	0	489	9	100	235	29	

NOTES

1. Contractor Shall Keep An Up-To-Date Record Onsite Of Any Alterations To The Stormwater Pollution Prevention Plan.
2. Contractor Shall Notify The Monroe County Soil And Water Conservation District At Least 48 Hours To Beginning Of Construction.
3. The Contractor Has Full Responsibility Of Inspecting The Erosion Control Measures On A Daily Basis. At A Minimum, Practices Need To Be Inspected Weekly, Within 24 Hours After Each Storm Event Over ½ Inch And Daily During Prolonged Storm Events. Failing Practices Shall Be Repaired Or Replaced Immediately.
4. Any Sediment Tracked Out Of Project Area Onto Public Streets Must Be Cleaned Up The Same Day It Occurs.
5. Contractor Shall Submit Construction Staging Plan Detailing All Vehicle And Equipment Parking Areas, Fueling Locations, Constructor Trailer Placement And Designated Concrete Truck Washout Areas.
6. If Construction Window Extends Through Winter, Temporary Mulching As Specified In Chapter 7 Of The Indiana Stormwater Quality Manual Shall Be Required.
7. Temporary Seeding Shall Be Installed On Any Cleared Area That Will Be Undisturbed For 15 Days Or More.

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION					SIZE	DESCRIPTION		LENGTH	VIDEO INSPECTION LENGTH	SKEW	COVER		FLOW LINE		SUMP DEPTH	TOP OF CASTING	SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURE BACKFILL TYPE 1	STRUCTURE BACKFILL TYPE 2	FLOWABLE BACKFILL TYPE	FLOWABLE BACKFILL TYPE	UNDERCUT				GEOTEXTILES FOR RIPRAP TYPE 1A	REVETMENT RIPRAP	SCOUR PROTECTION			CONCRETE, CLASS A, FOR STR.	PIPE, REMOVE	STRUCTURE SUMP DEPTH	PIPE END SECTION	GRATED BOX END SECTION			SAFETY METAL END SECTION			CONNECT TO STR.	CULVERT ASSET ID	REMARKS
	STATION	LEFT	RIGHT	CROSS	OFFSET		PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE AND TYPE				MIN	MAX	UP STREAM	DOWN STREAM											EXCAVATION	COMPACTED AGGREGATE #5 ? IN.	COMPACTED AGGREGATE #53 ? IN.	GEOTEXTILES			GEOTEXTILES for RIPRAP TYPE	REVETMENT RIPRAP	CLASS I RIPRAP													
					FT	IN.			LFT	LFT		FT	FT	ELEV.	ELEV.	IN.	ELEV.	YRS				CYS	CYS	CYS	CYS	CYS.	TONS	TONS	TONS	SYS	TON	SYS.	TONS	TONS	CYS	LFT	LFT	EA.	TYPE	SLOPE	EA.	TYPE	SLOPE	EA.			
	Line 'PR-S'																																															
100	7+36		x		0.0	12	2	Manhole Type C-4	137.0	137.0		11.20		886.45	883.71		904.26	75	Na	7.0	1	236														0.00								73A-EX		Connect to existing structure
101	8+25		x		0.0	12	2	Manhole Type C-4	90.0	90.0		5.10		902.00	900.21		912.22	75	Na	7.0	1	66														0.00								100		
102	8+25	x				12	2	Inlet Type HA-5 Mod.	16.0	16.0		2.90		907.42	907.34		911.92	75	Na	7.0	1	7														2.00								101		
103	8+25		x			12	2	Inlet Type HA-5 Mod.	16.0	16.0		2.90		907.42	907.34		911.92	75	Na	7.0	1	7														2.00								101		
200A	13+15	x			22.8	24	2	Manhole Type C-4	10.0	10.0		1.10		882.42	882.40		886.59	75	Na	7	1	2														0.00	1							OUT		
200	14+82	x			24.6	24	2	Manhole Type C-4	167.0	167.0		1.90		882.75	882.42		886.75	75	Na	7.0	1	85														0.00								200A		
201	17+85	x			24.6	24	2	Manhole Type C-4	304.0	304.0		3.90		883.34	882.75		891.51	75	Na	7.0	1	263														0.00								200		
202	18+41	x			28.5	24	2	Manhole Type C-4	57.0	57.0		3.30		886.66	886.32		892.43	75	Na	7.0	1	43														0.00								201		
203	19+20	x			27.6	24	2	Manhole Type C-4	79.0	79.0		3.80		887.30	886.91		893.76	75	Na	7.0	1	67														0.00								202		
204	19+20	x				24	2	Inlet Type HA-5 Mod.	12.0	12.0		2.40		890.27	890.03		894.94	75	Na	7.0	1	5														2.00								203		
205	19+20		x		0.0	24	2	Manhole Type C-4	16.0	16.0		1.60		890.53	890.37		895.24	75	Na	7.0	1	7														0.00								204		
206	19+20		x			24	2	Inlet Type HA-5 Mod.	16.0	16.0		1.50		890.79	890.63		894.94	75	Na	7.0	1	7														2.00								205		
207	19+12	x				12	2	Inlet Type HA-5	8.0	8.0		1.60		891.02	890.98		894.94	75	Na	7.0	1	2														0.00								204		
208	20+74	x				12	2	Inlet Type B-15	154.0	154.0		1.60		893.60	890.52		897.02	75	Na	7.0	1	56														0.00								204		
209	18+20		x		0.0	15	2	Manhole Type C-4	100.0	100.0		2.60		891.21	890.71		896.09	75	Na	7.0	1	41														0.00								205		
210	18+20	x				12	2	Inlet Type HA-5 Mod.	16.0	16.0		2.90		891.29	891.21		895.79	75	Na	7.0	1	7														2.00								209		
211	18+20		x			12	2	Inlet Type HA-5 Mod.	16.0	16.0		2.60		891.29	891.21		895.79	75	Na	7.0	1	7														2.00								209		
212	16+50		x		0.0	15	2	Manhole Type C-4	170.0	170.0		2.90		894.35	893.50		901.76	75	Na	7.0	1	75														0.00								209		
213	16+50	x				12	2	Inlet Type HA-5 Mod.	16.0	16.0		2.90		896.96	896.88		901.46	75	Na	7.0	1	7														2.00								212		
214	16+50		x			12	2	Inlet Type HA-5 Mod.	16.0	16.0		2.60		896.96	896.88		901.46	75	Na	7.0	1	7														2.00								212		
215	19+12		x			12	2	Inlet Type HA-5 Mod.	8.0	8.0		2.20		890.93	890.89		894.94	75	Na	7.0	1	3														0.00								206		
216	18+70		x			12	2	Inlet Type B-15	43.0	43.0		2.10		891.24	891.03		895.14	75	Na	7.0	1	15														0.00								215		
217	19+50		x			18	2	Inlet Type HA-5 Mod.	30.0	30.0		1.00		891.33	890.89		895.04	75	Na	7.0	1	11														0.00								206		
218	19+90		x			18	2	Inlet Type HA-5 Mod.	40.0	40.0		1.20		891.93	891.33		895.43	75	Na	7.0	1	13														0.00								217		
219	20+64		x			18	2	Inlet Type C-15	74.0	74.0		1.70		893.14	892.03		896.85	75	Na	7.0	1	22														0.00								218		
220	20+72		x			18	2	Inlet Type C-15	8.0	8.0		1.30		893.36	893.24		897.03	75	Na	7.0	1	3														0.00								219		
221	21+50		x			15	2	Inlet Type C-15	78.0	78.0		1.60		894.63	893.46		898.84	75	Na	7.0	1	28														0.00								220		
222	21+58		x			15	2	Inlet Type C-15	8.0	8.0		2.10		894.85	894.73		899.06	75	Na	7.0	1	3														0.00								221		
301-EX	22+00		x			15	2		43.0	43.0		1.30		896.40	895.77		899.95	75	Na	7.0	1	12														0.00								222		Install new 15" pipe in existing str.

DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: 1/2020 DRAWN: 1/2020

CHECKED: 1/2020 CHECKED: 1/2020

INDIANA
DEPARTMENT OF TRANSPORTATION

STRUCTURE DATA TABLE

SCALE	BRIDGE FILE
NONE	---
	DESIGNATION
	1900406
SURVEY BOOK	SHEETS
ELECTRONIC	27 of 56
CONTRACT	PROJECT
R-40890	1702957

3/31/2020
X:\Projects\GFL\2018\1863\201090\Civil\Full Civil\DGN\Tables\20105D01.dgn

SHEET SIGN AND POST SUMMARY TABLE

SIGN										POST														
				HIGH INSTENSITY PRISMATIC SHEETING METAL THICKNESS			ENCLOSED LENS METAL THICKNESS			U CHANNEL				SQUARE										
										POST LENGTH		POST TYPE		2" x 2" x 14 GAUGE						2 1/4" x 2 1/4" x 12 GAUGE				
														REINFORCED			UNREINFORCED			REINFORCED		UNREINFORCED		
PLAN SHEET NO./ LINE	SIGN STATION LOCATION	SIGN CODE	SIGN SIZE in x in	0.080 ft^2	0.100 ft^2	0.125 ft^2	0.080 ft^2	0.100 ft^2	0.125 ft^2	1 ft	2 ft	TYPE A ft	TYPE B ft	POST LENGTH (ft) 1	2	TOTAL	POST LENGTH (ft) 1	2	TOTAL	POST LENGTH (ft) 1	TOTAL	POST LENGTH (ft) 1	TOTAL	REMARKS
LINE 'PR-S'																								
	6+75, RT	R2-1(30)	24 x 30	5.00																9.00	9.00			
	25+50, LT	R2-1(30)	24 x 30	5.00																9.00	9.00			
	27+97, CL	R3-5(L)	30 x 36		7.50																			
	27+97, CL	R3-5(R)	30 x 36		7.50																			
	28+17, RT	D3-1(2)	96 x 18			12.00																		Sunrise Greetings Ct
	28+42, LT	R10-Y5a	30 x 36		7.50																			
	28+42, RT	R10-Y5a	30 x 36		7.50																			
	28+42, LT	R3-5(L)	30 x 36		7.50																			
	28+42, RT	R3-5(L)	30 x 36		7.50																			
	28+58, LT	D3-1(2)	96 x 18			12.00																		Sunrise Greetings Ct
	28+73, CL	D3-1(1)	60 x 18			7.50																		Vernal Pike
SUBTOTAL				10	45	32														18	18			
TOTAL				10	45	32														18	18			

R/W MARKERS

STATION	OFFSET ft	EACH
LINE 'PR-S'		
6+03.39, Lt.	44.87	1
6+71.62, Lt.	45.00	1
8+03.61, Lt.	45.00	1
8+71.40, Lt.	45.00	1
10+06.01, Rt.	42.00	1
10+11.29, Rt.	42.00	1
10+33.02, Lt.	27.00	1
12+41.19, Lt.	27.00	1
12+41.19, Rt.	42.00	1
13+05.00, Lt.	27.00	1
13+05.00, Lt.	40.00	1
13+20.00, Lt.	40.00	1
13+20.00, Lt.	27.00	1
15+48.97, Rt.	42.00	1
15+48.88, Rt.	37.00	1
17+53.62, Lt.	27.00	1
18+40.93, Lt.	32.62	1
19+02.29, Lt.	31.94	1
19+02.30, Lt.	37.13	1
20+13.79, Lt.	36.81	1
20+13.37, Lt.	60.34	1
20+15.10, Rt.	37.00	1
20+15.51, Rt.	60.00	1
20+63.06, Rt.	37.00	1
23+45.00, Rt.	37.00	1
23+45.00, Rt.	55.00	1
23+59.36, Rt.	55.00	1
23+59.36, Rt.	45.00	1
24+85.00, Rt.	45.00	1
24+85.00, Rt.	37.00	1
26+55.00, Rt.	37.00	1
27+75.00, Rt.	50.00	1
27+90.00, Rt.	55.00	1
28+00.12, Rt.	90.00	1
TOTAL		34

PAVEMENT QUANTITIES AND APPROACH TABLE

LOCATION	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH 'W' FEET	LENGTH 'L' FEET	RADII 'R' FEET	DISTANCE BEYOND R/W LINE FEET	GRADE (LESS THAN 8.33% NOT SHOWN) 1 %	2 %	HMA FOR SIDEWALK, TYPE B SURFACE 110#/SYD TONS	INTER 330#/SYD TONS	PCCP FOR APPROACHES 6" SYS	9" SYS	GRADE 1 %	2 %	EXCAVATION CUT CYS	FILL CYS	HMA FOR PATCHING SURFACE TYPE C 165#/SYD TONS	INTERMEDIATE TYPE C 275#/SYD TONS	BASE TYPE C 770#/SYD TONS	HMA FOR ROADWAY PAVEMENT QC/QA-HMA SURFACE 3,70 165#/SYD TONS	QC/QA-HMA INTERMEDIATE 3,70 275#/SYD TONS	QC/QA-HMA BASE 3,64 770#/SYD TONS	ASPHALT FOR TACK COAT TONS	JOINT ADHESIVE, SURFACE LFT	JOINT ADHESIVE, INTERMEDIATE LFT	LIQUID ASPHALT SEALANT LFT	COMPACTED AGGREGATE FOR BASE NO. 53 DEPTH 4" CYS	6" CYS	13.5" CYS	SUBGRADE TREATMENT, TYPE IB SYS	SUBGRADE TREATMENT, TYPE II SYS	REMARKS
SUNRISE GREETINGS COURT																																
LINE "PR-S"								120	358					5467	574	7	12	33	398	664	1929	3	1263	1263	1263	1	1251		5013			
DRIVES																																
LINE "PR-S"																																
19+73, Lt.	Class VII Commercial Drive	50	19.3	40/40							201																				163	
19+59, Rt.	Class VII Commercial Drive	50	18.3	40/40							192																				153	
21+08, Rt.	Class III Commercial Drive	27.6	53.4	10/50	35						195																				195	
23.16, Rt.	Class III Commercial Drive	35.4	38.2	41/17	21.4						187																				187	
25+77, Rt.	Class III Commercial Drive	23.1	34.2	26/62	18.6						121																				121	
TOTAL								120	358		896			5467	574	7	12	33	398	664	1929	3	1263	1263	1263	1	1251		5013	819		

SURVEY MONUMENTS

STATION	EACH Type B	EACH Section Corner
LINE 'PR-S'		
P.C. 6+71.62	1	
P.T. 8+03.61	1	
P.C. 10+11.29	1	
P.T. 12+41.19	1	
TOTAL	4	

SODDING SUMMARY TABLE

LOCATION FROM STATION	TO STATION	LEFT	CROSS	RIGHT	SODDING, NURSERY FOR TREE LAWN SYS	FOR DITCHES SYS	FOR MEDIAN SYS	FOR SHOULDER BREAK SYS	SODDING AT BRIDGE CONE SYS	TOTAL SODDING SYS	NURSERY SODDING FOR LAWNS SYS
Line 'PR-S'											
6+02.92	7+17.83			X	64					64	
18+45.57	19+04.88			X	27					27	
20+14.11	20+80.68			X	33					33	
21+27.62	22+85.98			X	95					95	
23+46.86	25+52.68			X	116					116	
26+03.56	28+01.87			X	109					109	
28+07.87	28+13.25			X	4					4	
28+09.62	28+19.68			X	23					23	
TOTALS					471					471	

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DLZ INDIANA, LLC

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DESIGNED: 1/2020 DRAWN: 1/2020

CHECKED: 1/2020 CHECKED: 1/2020

INDIANA DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS TABLE

SCALE	BRIDGE FILE
NONE	---
	DESIGNATION
	1900406
SURVEY BOOK	SHEETS
ELECTRONIC	28 of 56
CONTRACT	PROJECT
R-40890	1702957

3/31/2020
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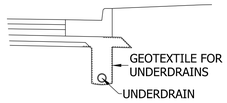
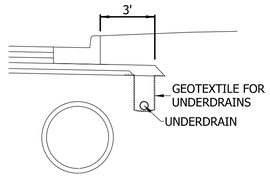
UNDERDRAIN TABLE

STATION				LONGITUDINAL DRAINS					LONGITUDINAL DRAINS												REMARKS
				4" TYPE 4 PIPE	6" TYPE 4 PIPE	8" TYPE 4 PIPE	AGGREGATE FOR UNDERDRAINS	GEOTEXTILE FOR UNDERDRAINS, TYPE 1A	AT STATION	45° ELBOWS	WYE	4" PVC PIPE	6" PVC PIPE	8" PVC PIPE	B-BORROW FOR STR. BACKFILL	OUTLET PROTECTOR, TYPE A	OUTLET PROTECTOR, TYPE B	DELINEATOR POST	SODDING	CONNECT TO STR. NUMBER	
		LT	RT	FT	FT	FT	CYS	SYS		EACH	EACH	FT	FT	FT	CYS	EACH	EACH	EACH	SYS		
LINE "PR-S"																					
06+02	07+17	X			115		9	79	06+02											EX 73	
06+02	07+17		X		115		9	79	06+02											EX 74	
18+46	19+12	X			183		14	125	02+69											207	
18+46	19+12		X		80		6	55	02+68	1										215	
19+20	20+83	X			163		13	112	03+67	1										204	
19+20	20+83		X		163		13	112	04+45	1										206	
TOTAL					819		65	562													



UNDERDRAIN DETAIL 'A'
NOT TO SCALE



UNDERDRAIN DETAIL 'B'
NOT TO SCALE

DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: 1/2020 DRAWN: 1/2020

CHECKED: 1/2020 CHECKED: 1/2020

INDIANA
DEPARTMENT OF TRANSPORTATION

UNDERDRAIN TABLE

SCALE	BRIDGE FILE
NONE	---
	DESIGNATION
	1900406
SURVEY BOOK	SHEETS
ELECTRONIC	29 of 56
CONTRACT	PROJECT
R-40890	1702957

3/31/2020
X:\Projects\GFL\20181863\201090\Civil\Full Civil\DGN\Tables\2010TB03.dgn

		STRUCTURE NUMBER																					
		100	**101**	**102**	**103**	**200A**	**200**	**201**	**202**	**203**	**204**	**205**	**206**	**207**	**208**	**209**	**210**	**211**	**212**	**213**	**214**	**215**	**216**
PIPE TYPE / SHAPE		2 / Cir.	2 / Cir.	2 / Cir.	2 / Cir.	2 / Cir.	2 / Cir.	2 / Cir.	2 / Cir.	2 / Cir.	2 / Cir.	2 / Cir.	2 / Cir.	2 / Cir.	2 / Cir.	2 / Cir.	2 / Cir.	2 / Cir.	2 / Cir.	2 / Cir.	2 / Cir.	2 / Cir.	2 / Cir.
SMOOTH PIPE SIZE		12"	12"	12"	12"	24"	24"	24"	24"	24"	24"	24"	24"	12"	12"	15"	12"	12"	15"	12"	12"	12"	12"
CORRUGATED PIPE SIZE																							
RCP/RCHEP (S)	CLASS	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II
	$D_{0.01}$ RATING	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)																							
CORRUGATED PE PIPE, TYPE S (S)*																							
RIBBED PE PIPE (S)*																							
SMOOTH WALL PE PIPE (S)* / MAXIMUM DR																							
PROFILE WALL PVC PIPE (S)																							
SMOOTH WALL PVC PIPE (S)*																							
VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)																							
CORRUGATED STEEL PIPE / PIPE-ARCH: FULLY BIT. PAVED & LINED (S)	CORR. PROFILE																						
	THICKNESS																						
ZINC COATED (C)	CORR. PROFILE																						
	THICKNESS																						
ZINC COATED W/ BPI (C)	CORR. PROFILE																						
	THICKNESS																						
ALUM. COATED TYPE 2 (C)	CORR. PROFILE																						
	THICKNESS																						
ALUM. COATED TYPE 2 W/ BPI (C)	CORR. PROFILE																						
	THICKNESS																						
POLYMER PRECOATED GALVANIZED (C)	CORR. PROFILE																						
	THICKNESS																						
POLYMER PRECOATED GALVANIZED W/ BPI (C)	CORR. PROFILE																						
	THICKNESS																						
POLYMER PRECOATED GALVANIZED CORRUGATED STEEL PIPE TYPE 1A (S)	CORR. PROFILE																						
	THICKNESS																						
FIBER BONDED BITUMINOUS COATED (C)	CORR. PROFILE																						
	THICKNESS																						
FIBER BONDED BITUMINOUS COATED W/ BPI (C)	CORR. PROFILE																						
	THICKNESS																						
CORRUGATED ALUM. ALLOY PIPE (C)	CORR. PROFILE																						
	THICKNESS																						
CORRUGATED ALUM. ALLOY PIPE W/ BPI (C)	CORR. PROFILE																						
	THICKNESS																						
STR. PLATE ALUMINUM ALLOY PLATE (C)	CORR. PROFILE																						
	THICKNESS																						
STR. PLATE ALUMINUM ALLOY PLATE W/ CFP (C)	CORR. PROFILE																						
	THICKNESS																						
STR. PLATE STEEL PIPE (C)	CORR. PROFILE																						
	THICKNESS **																						
STR. PLATE STEEL PIPE W/ CFP (C)	CORR. PROFILE																						
	THICKNESS **																						

		STRUCTURE NUMBER																
		217	**218**	**219**	**220**	**221**	**222**	**301-EX**										
PIPE TYPE / SHAPE		2 / Cir.	2 / Cir.	2 / Cir.	2 / Cir.	2 / Cir.	2 / Cir.	2 / Cir.										
SMOOTH PIPE SIZE		18"	18"	18"	18"	15"	15"	15"										
CORRUGATED PIPE SIZE																		
RCP/RCHEP (S)	CLASS	II	II	II	II	II	II	II										
	$D_{0.01}$ RATING	1000	1000	1000	1000	1000	1000	1000										
NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)																		
CORRUGATED PE PIPE, TYPE S (S)*																		
RIBBED PE PIPE (S)*																		
SMOOTH WALL PE PIPE (S)* / MAXIMUM DR																		
PROFILE WALL PVC PIPE (S)																		
SMOOTH WALL PVC PIPE (S)*																		
VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)																		
CORRUGATED STEEL PIPE / PIPE-ARCH: FULLY BIT. PAVED & LINED (S)	CORR. PROFILE																	
	THICKNESS																	
ZINC COATED (C)	CORR. PROFILE																	
	THICKNESS																	
ZINC COATED W/ BPI (C)	CORR. PROFILE																	
	THICKNESS																	
ALUM. COATED TYPE 2 (C)	CORR. PROFILE																	
	THICKNESS																	
ALUM. COATED TYPE 2 W/ BPI (C)	CORR. PROFILE																	
	THICKNESS																	
POLYMER PRECOATED GALVANIZED (C)	CORR. PROFILE																	
	THICKNESS																	
POLYMER PRECOATED GALVANIZED W/ BPI (C)	CORR. PROFILE																	
	THICKNESS																	
POLYMER PRECOATED GALVANIZED CORRUGATED STEEL PIPE TYPE 1A (S)	CORR. PROFILE																	
	THICKNESS																	
FIBER BONDED BITUMINOUS COATED (C)	CORR. PROFILE																	
	THICKNESS																	
FIBER BONDED BITUMINOUS COATED W/ BPI (C)	CORR. PROFILE																	
	THICKNESS																	
CORRUGATED ALUM. ALLOY PIPE (C)	CORR. PROFILE																	
	THICKNESS																	
CORRUGATED ALUM. ALLOY PIPE W/ BPI (C)	CORR. PROFILE																	
	THICKNESS																	
STR. PLATE ALUMINUM ALLOY PLATE (C)	CORR. PROFILE																	
	THICKNESS																	
STR. PLATE ALUMINUM ALLOY PLATE W/ CFP (C)	CORR. PROFILE																	
	THICKNESS																	
STR. PLATE STEEL PIPE (C)	CORR. PROFILE																	
	THICKNESS **																	
STR. PLATE STEEL PIPE W/ CFP (C)	CORR. PROFILE																	
	THICKNESS **																	

LEGEND

RCP-	Reinforced Concrete Pipe
RCHEP-	Reinforced Concrete Horizontal Elliptical Pipe
PE-	Polyethylene
DR-	Dimension Ratio
PVC-	Polyvinyl Chloride
BIT-	Bituminous
CORR-	Corrugation
BPI-	Bituminous Paved Invert
ALUM-	Aluminum
STR-	Structural
CFP-	Concrete Field Paving
CIR-	Circular Pipe
DEF-	Deformed Pipe
(S)-	Smooth Pipe Material
(C)-	Corrugated Pipe Material
OK-	Acceptable for Use
(LS)-	Lock Seam Pipe Required
*-	Refer to Standard Drawings 715-PHCL-18 and -19 for nominal diameter appropriate for pay item diameter.
**-	Tabulated thickness refers to top and side plates. Bottom plates shall be of next greater available thickness.

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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: 1/2020 DRAWN: 1/2020

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INDIANA
DEPARTMENT OF TRANSPORTATION

PIPE MATERIAL TABLE

SCALE	BRIDGE FILE
NONE	---
	DESIGNATION
	1900406
SURVEY BOOK	SHEETS
ELECTRONIC	30 of 56
CONTRACT	PROJECT
R-40890	1702957

3/31/2020
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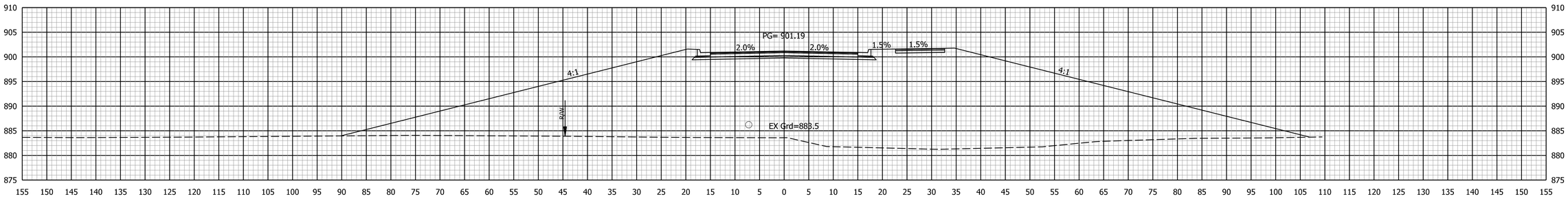

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Vc = 0 CYS

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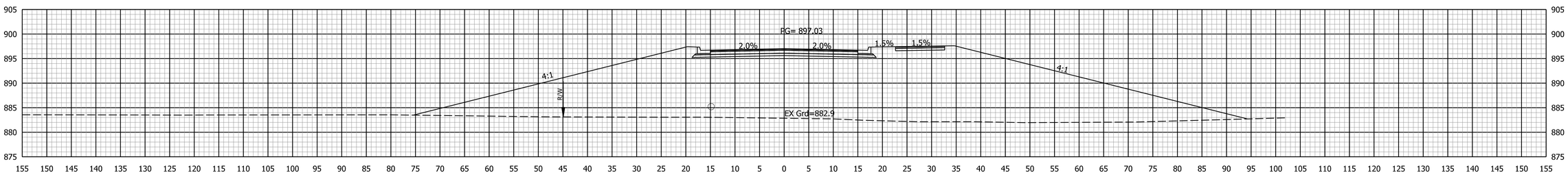
Vf = 3625 CYS

7+00



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Vc = 0 CYS

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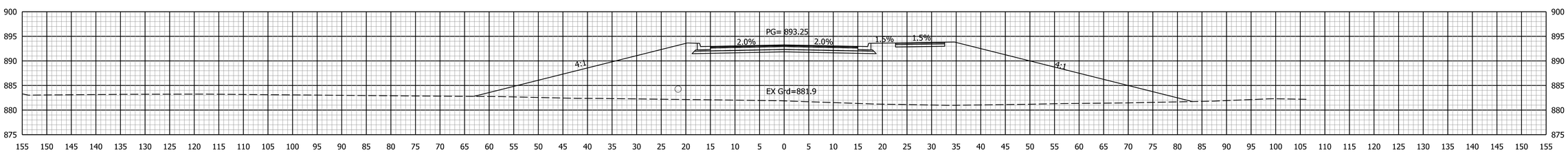
Vf = 2390 CYS

6+50



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Vc = 0 CYS

Af = 1140.1 SFT
Vf = 0 CYS

6+03

Begin Project Sta. 6+02.92

STA. 6+03.00 TO STA. 7+00

3/31/2020
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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: AMH 11/2019 DRAWN: DPH 11/2019

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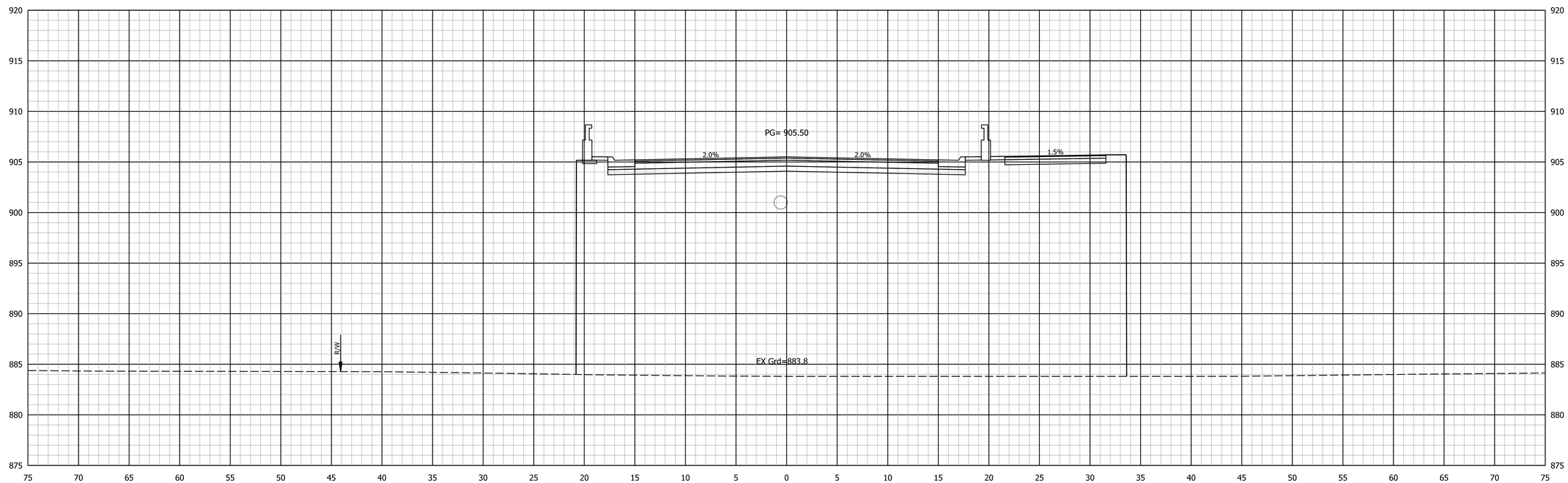
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "PR-S"

SCALE	BRIDGE FILE
1" =10'	---
	DESIGNATION
	1702957
SURVEY BOOK	SHEETS
ELECTRONIC	31 of 56
CONTRACT	PROJECT
R-40890	1702957



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Vc = 0 CYS

Af = 1113 SFT
Vf = 3016 CYS

7+50

STA. 7+50 TO STA. 7+50

3/31/2020
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X:\Projects\GFL\2018\1863\201090\Civil\Full Civil\DGN\X SEC\2010 CS.dgn

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RECOMMENDED FOR APPROVAL

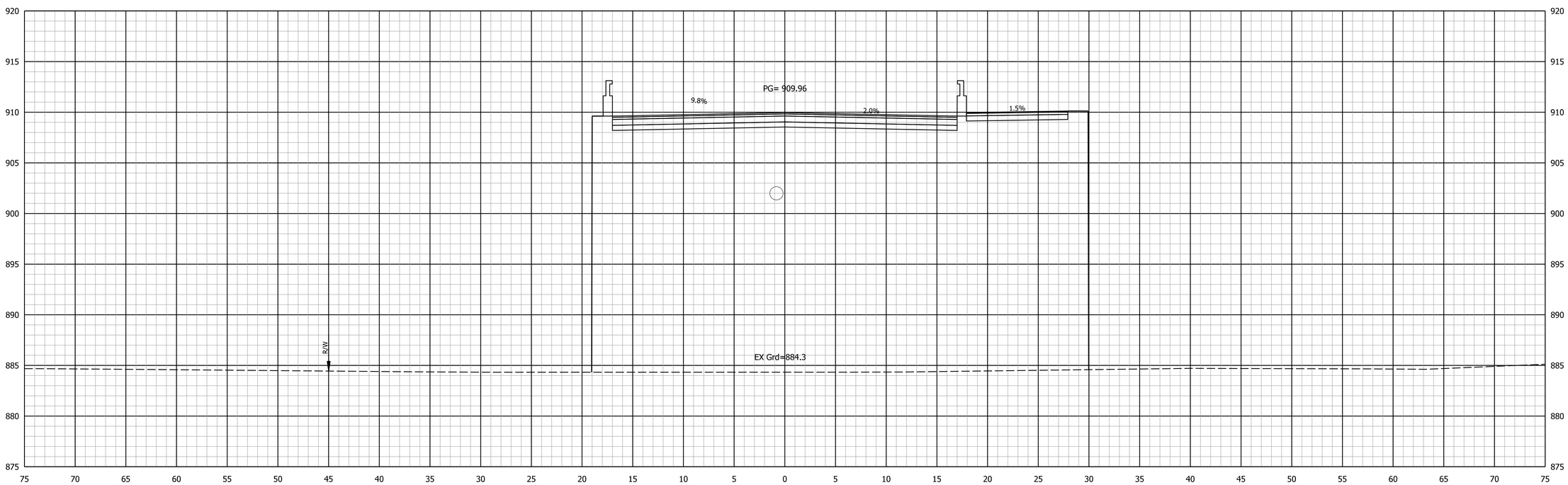
DESIGN ENGINEER DATE

DESIGNED: AMH 11/2019
DRAWN: DPH 11/2019
CHECKED: DSB 11/2019
CHECKED: AMH 11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "PR-S"

SCALE	BRIDGE FILE
1" = 5'	---
	DESIGNATION
	1702957
SURVEY BOOK	SHEETS
ELECTRONIC	32 of 56
CONTRACT	PROJECT
R-40890	1702957



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Vc = 0 CYS

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Vf = 2132 CYS

8+00

STA. 8+00 TO STA. 8+00

3/31/2020
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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

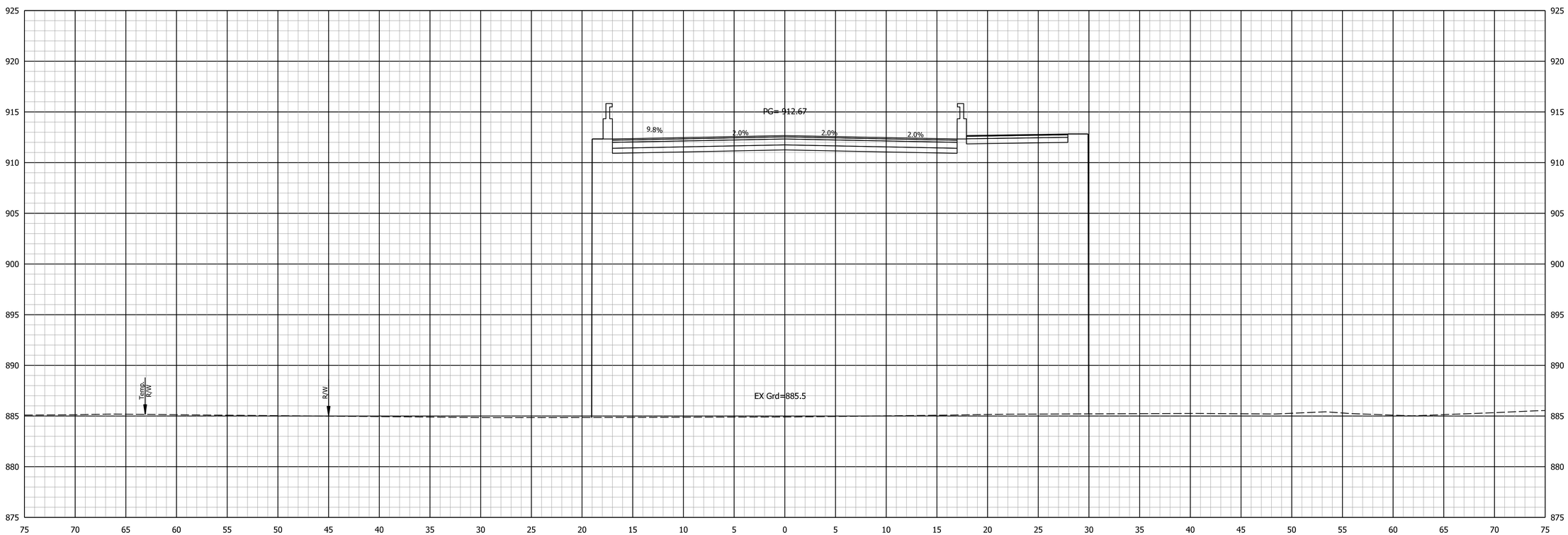
DESIGNED: AMH	11/2019	DRAWN: DPH	11/2019
CHECKED: DSB	11/2019	CHECKED: AMH	11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "PR-S"

SCALE	BRIDGE FILE
1" = 5'	---
	DESIGNATION
	1702957

SURVEY BOOK	SHEETS		
ELECTRONIC	33	of	56
CONTRACT	PROJECT		
R-40890	1702957		



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Vf = 1394 CYS

8+30.20

STA. 8+30.31 TO STA. 8+30.31

3/31/2020
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X:\Projects\GFL\2018\1863\201090\Civil\Full Civil\CivilDGN\X SEC\2010 CS.dgn

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RECOMMENDED FOR APPROVAL

DESIGN ENGINEER DATE

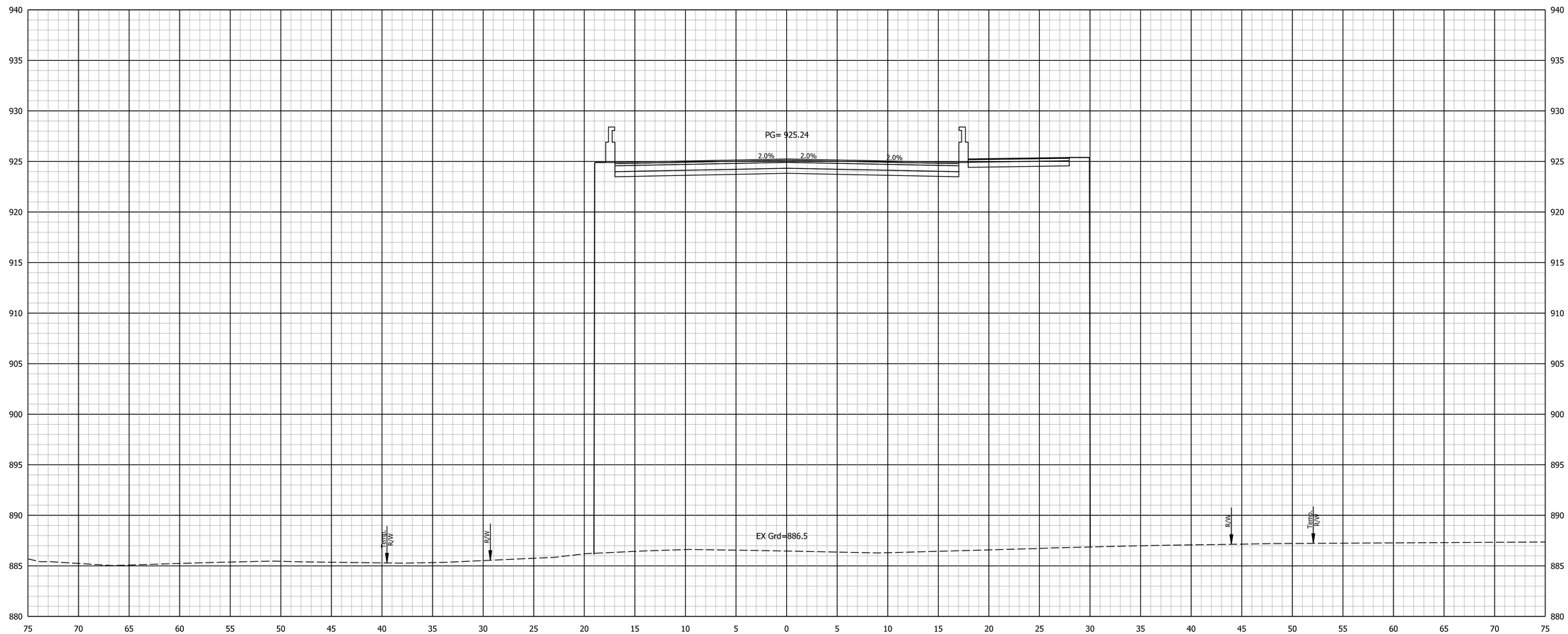
DESIGNED: AMH 11/2019
DRAWN: DPH 11/2019
CHECKED: DSB 11/2019
CHECKED: AMH 11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "PR-S"

SCALE	BRIDGE FILE
1" = 5'	---
	DESIGNATION
	1702957

SURVEY BOOK	SHEETS
ELECTRONIC	34 of 56
CONTRACT	PROJECT
R-40890	1702957



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Vf = 12612 CYS

10+48.02

STA. 10+48.02 TO STA. 10+48.02

3/31/2020
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DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER DATE

DESIGNED: AMH 11/2019 DRAWN: DPH 11/2019

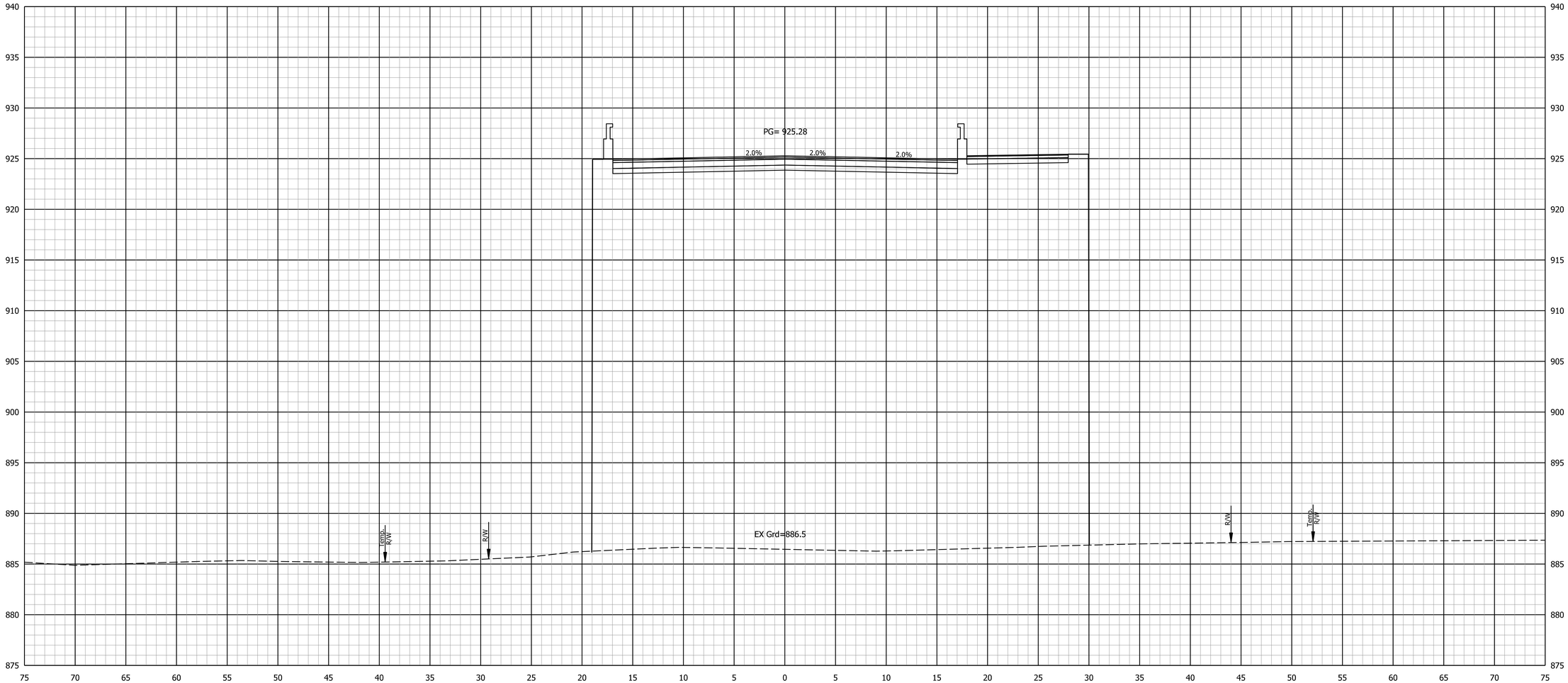
CHECKED: DSB 11/2019 CHECKED: AMH 11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "PR-S"

SCALE	BRIDGE FILE
1" = 5'	---
	DESIGNATION
	1702957

SURVEY BOOK	SHEETS
ELECTRONIC	35 of 56
CONTRACT	PROJECT
R-40890	1702957



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Vc = 0 CYS

Af = 1837 SFT
Vf = 135 CYS

10+50

STA. 10+50 TO STA. 10+50

3/31/2020
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DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL

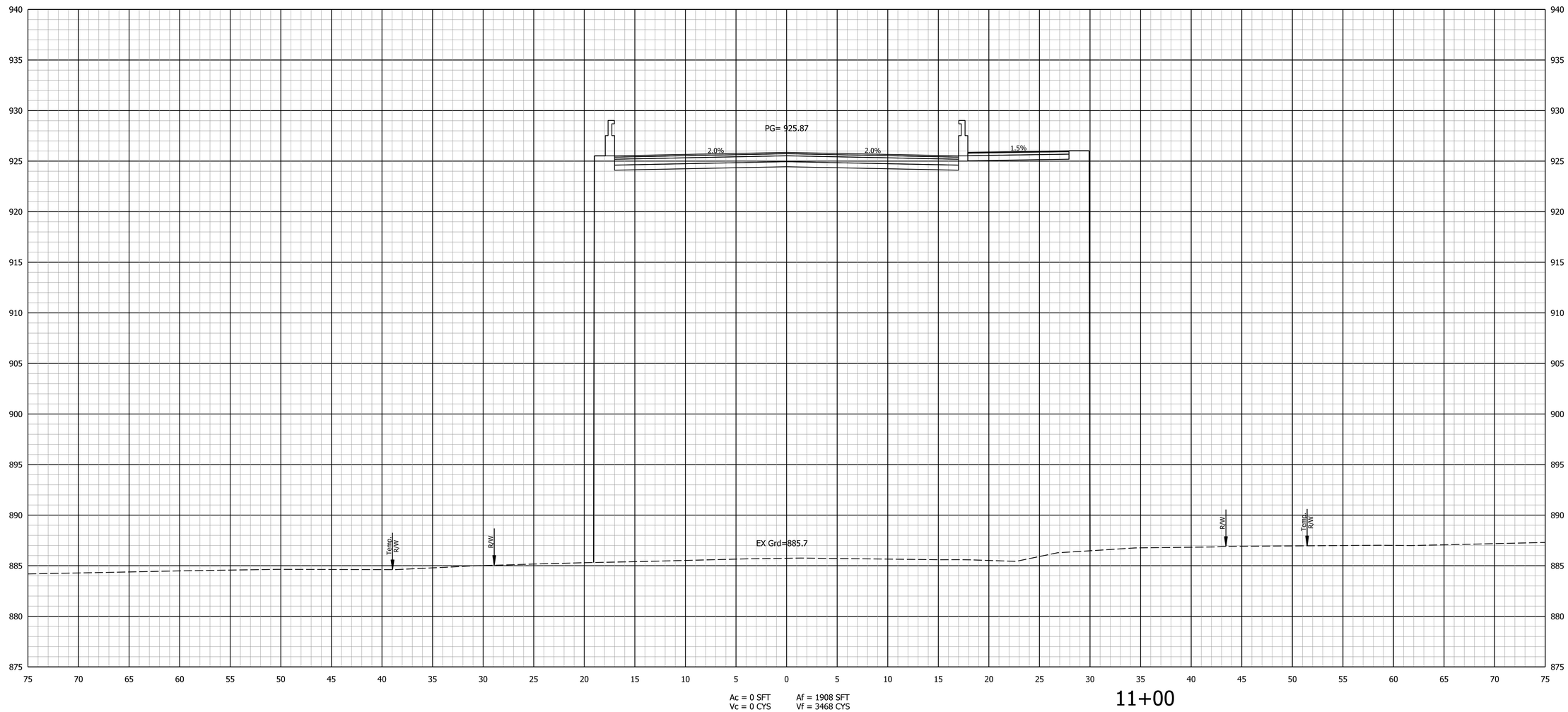
DESIGN ENGINEER DATE

DESIGNED: AMH 11/2019
DRAWN: DPH 11/2019
CHECKED: DSB 11/2019
CHECKED: AMH 11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "PR-S"

SCALE	BRIDGE FILE
1" = 5'	---
	DESIGNATION
	1702957
SURVEY BOOK	SHEETS
ELECTRONIC	36 of 56
CONTRACT	PROJECT
R-40890	1702957



STA. 11+00 TO STA. 11+00

3/31/2020
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DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

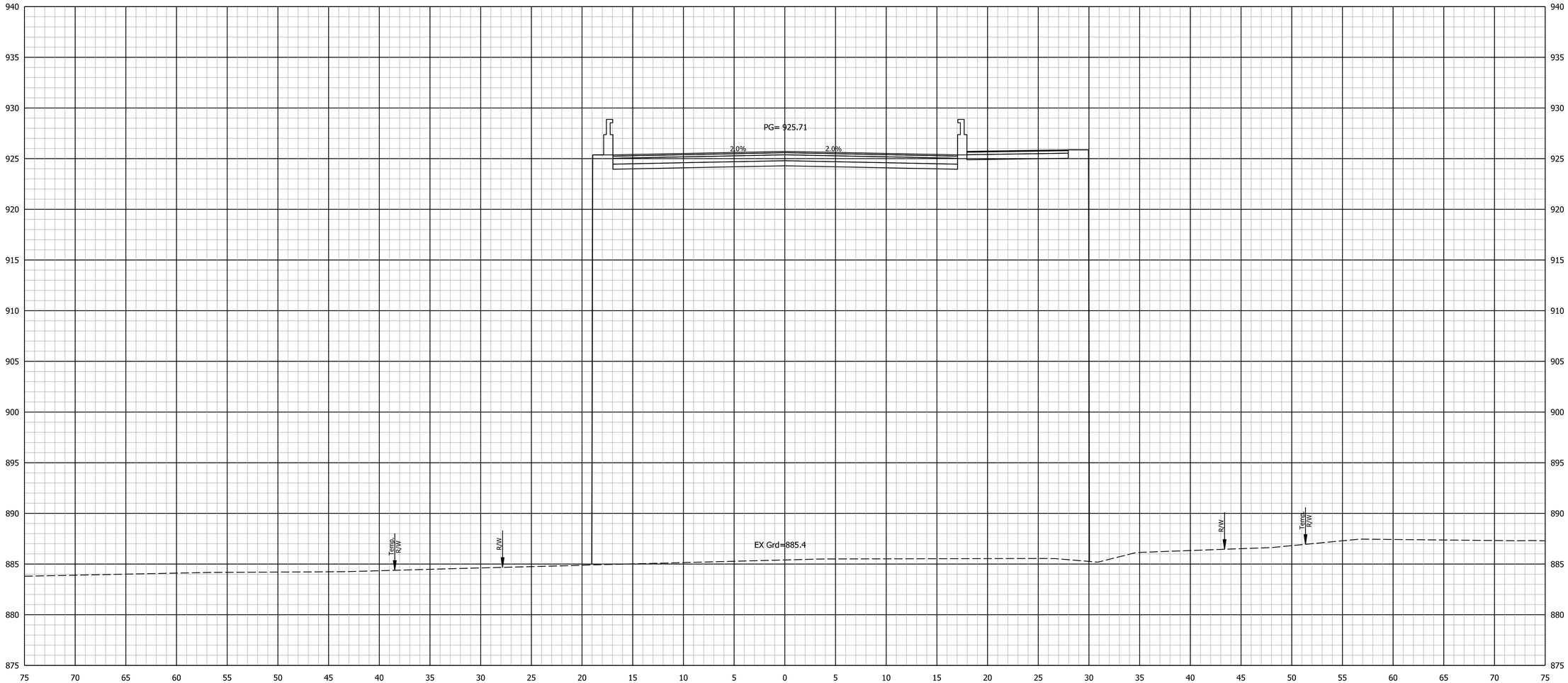
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE

DESIGNED:	AMH 11/2019	DRAWN:	DPH 11/2019
CHECKED:	DSB 11/2019	CHECKED:	AMH 11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "PR-S"

SCALE	BRIDGE FILE
1" = 5'	---
	DESIGNATION
	1702957
SURVEY BOOK	SHEETS
ELECTRONIC	37 of 56
CONTRACT	PROJECT
R-40890	1702957



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Vf = 3539 CYS

11+50

STA. 11+50 TO STA. 11+50

3/31/2020
PW:\2018\ 1863\ 2010\
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NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

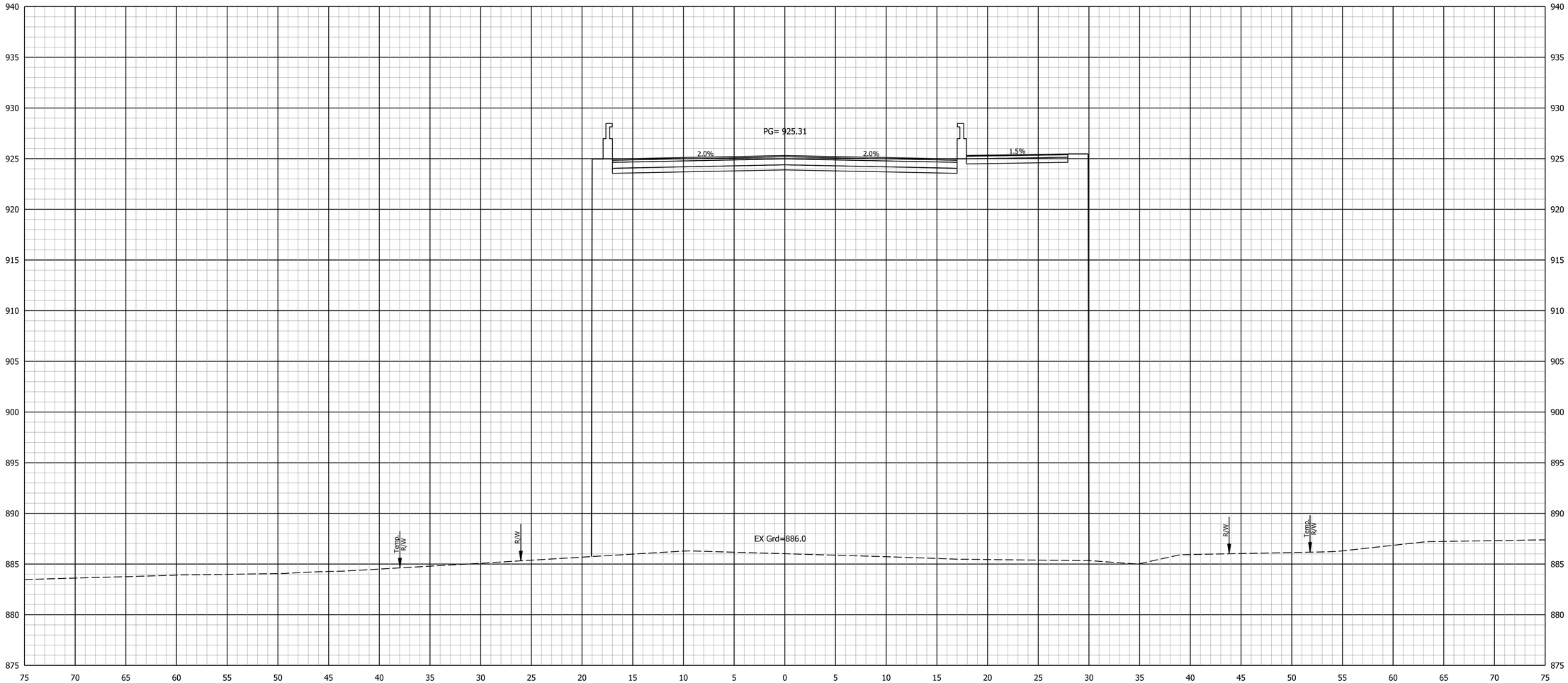
RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE

DESIGNED:	AMH 11/2019	DRAWN:	DPH 11/2019
CHECKED:	DSB 11/2019	CHECKED:	AMH 11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "PR-S"

SCALE	BRIDGE FILE
1" = 5'	---
	DESIGNATION
	1702957
SURVEY BOOK	SHEETS
ELECTRONIC	38 of 56
CONTRACT	PROJECT
R-40890	1702957



Ac = 0 SFT
Vc = 0 CYS

Af = 1874 SFT
Vf = 3508 CYS

12+00

STA. 12+00 TO STA. 12+00

3/31/2020
PW:\2018\ 1863\ 2010\
X:\Projects\GFL\2018\1863\201090\Civil\Full Civil\DGN\X SEC\2010 CS.dgn

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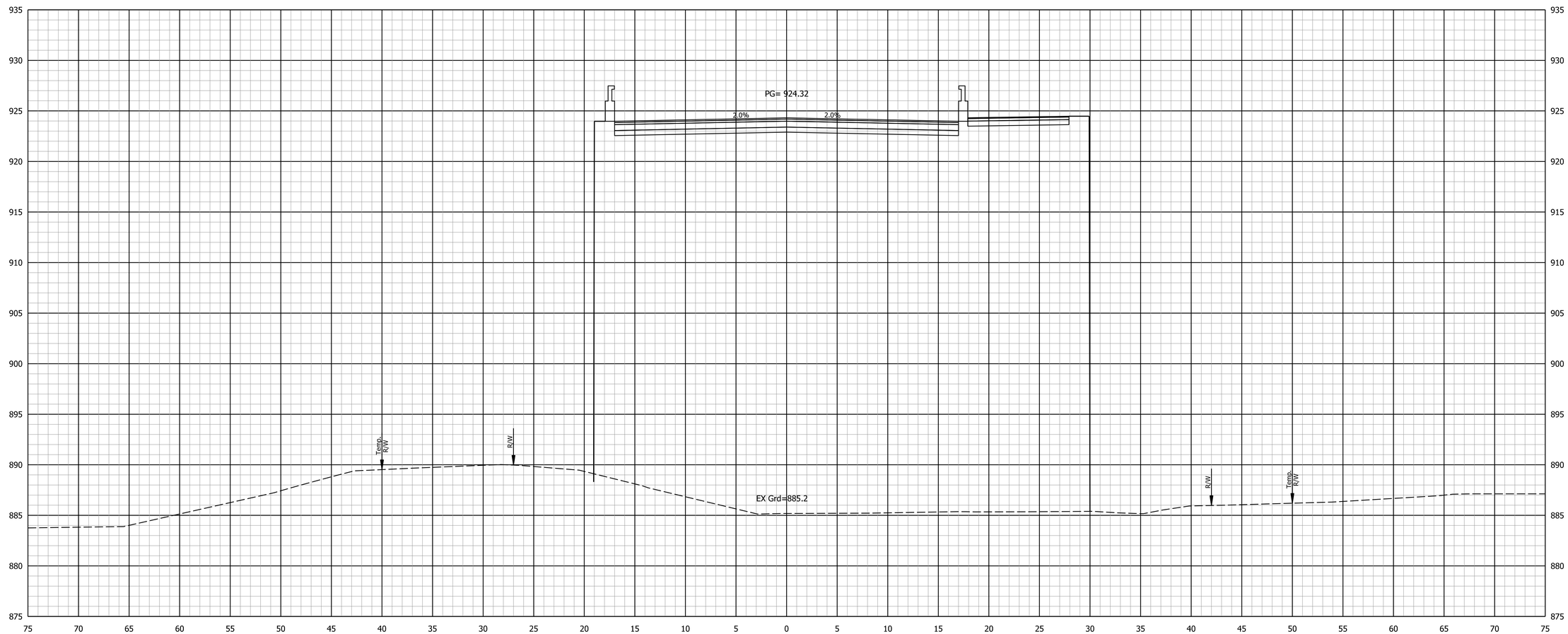
DESIGN ENGINEER DATE

DESIGNED: AMH 11/2019
DRAWN: DPH 11/2019
CHECKED: DSB 11/2019
CHECKED: AMH 11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "PR-S"

SCALE	BRIDGE FILE
1" = 5'	---
	DESIGNATION
	1702957
SURVEY BOOK	SHEETS
ELECTRONIC	39 of 56
CONTRACT	PROJECT
R-40890	1702957



Ac = 0 SFT
Vc = 0 CYS

Af = 1821 SFT
Vf = 3421 CYS

12+50

STA. 12+50 TO STA. 12+50

3/31/2020
PW:\2018\ 1863\ 2010\
X:\Projects\GFL\2018\1863\201090\Civil\Full Civil\DGN\X SEC\2010 CS.dgn

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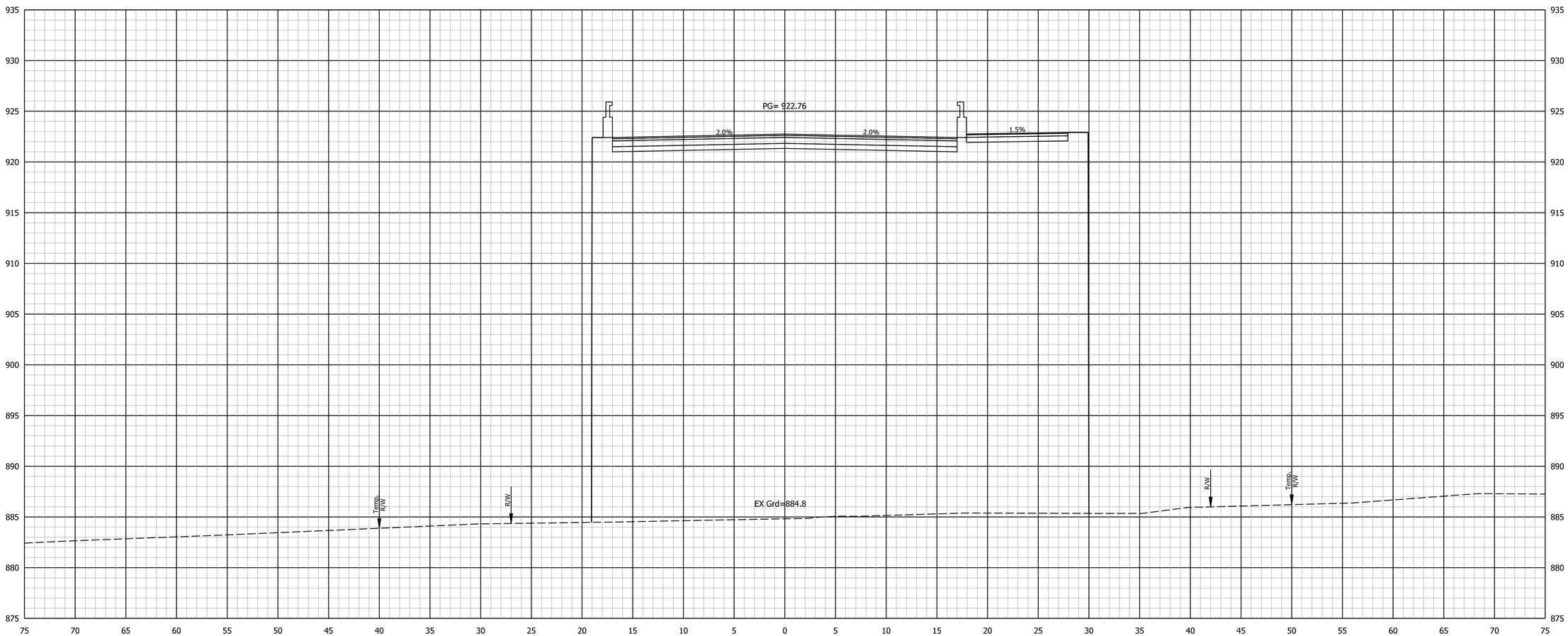
CHECKED: DSB 11/2019 CHECKED: AMH 11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "PR-S"

SCALE	BRIDGE FILE
1" = 5'	---
	DESIGNATION
	1702957

SURVEY BOOK	SHEETS		
ELECTRONIC	40	of	56
CONTRACT	PROJECT		
R-40890	1702957		



Ac = 0 SFT
Vc = 0 CYS

Af = 1788 SFT
Vf = 3341 CYS

13+00

STA. 13+00 TO STA. 13+00

3/31/2020
PW:\2018\ 1863\ 2010\
X:\Projects\GFL\2018\1863\201090\Civil\Full Civil\DGN\X SEC\2010 CS.dgn

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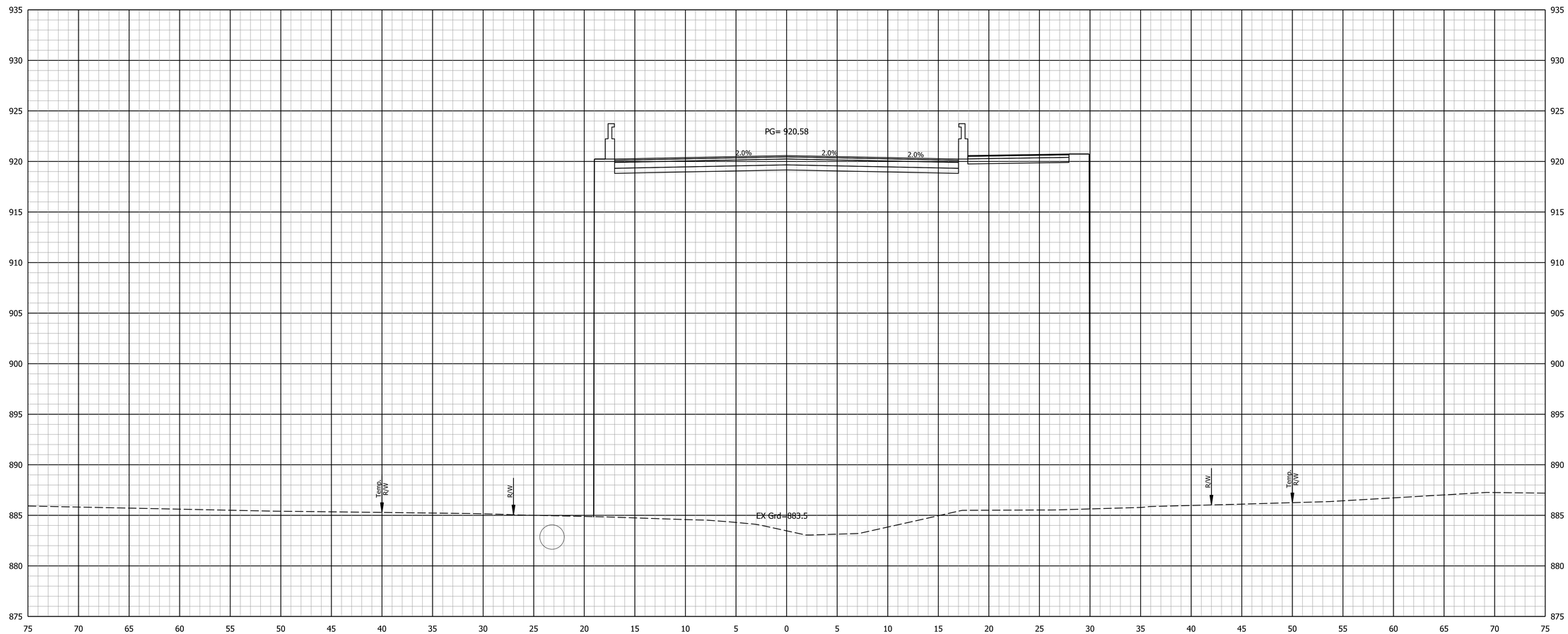
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "PR-S"

SCALE	BRIDGE FILE
1" = 5'	---
	DESIGNATION
	1702957
SURVEY BOOK	SHEETS
ELECTRONIC	41 of 56
CONTRACT	PROJECT
R-40890	1702957



Ac = 0 SFT
Vc = 0 CYS

Af = 1704 SFT
Vf = 3233 CYS

13+50

STA. 13+50 TO STA. 13+50

3/31/2020
PW:\2018\ \1863\ 2010\
X:\Projects\GFL\2018\1863\201090\Civil\Full Civil\DGN\X SEC\2010 CS.dgn

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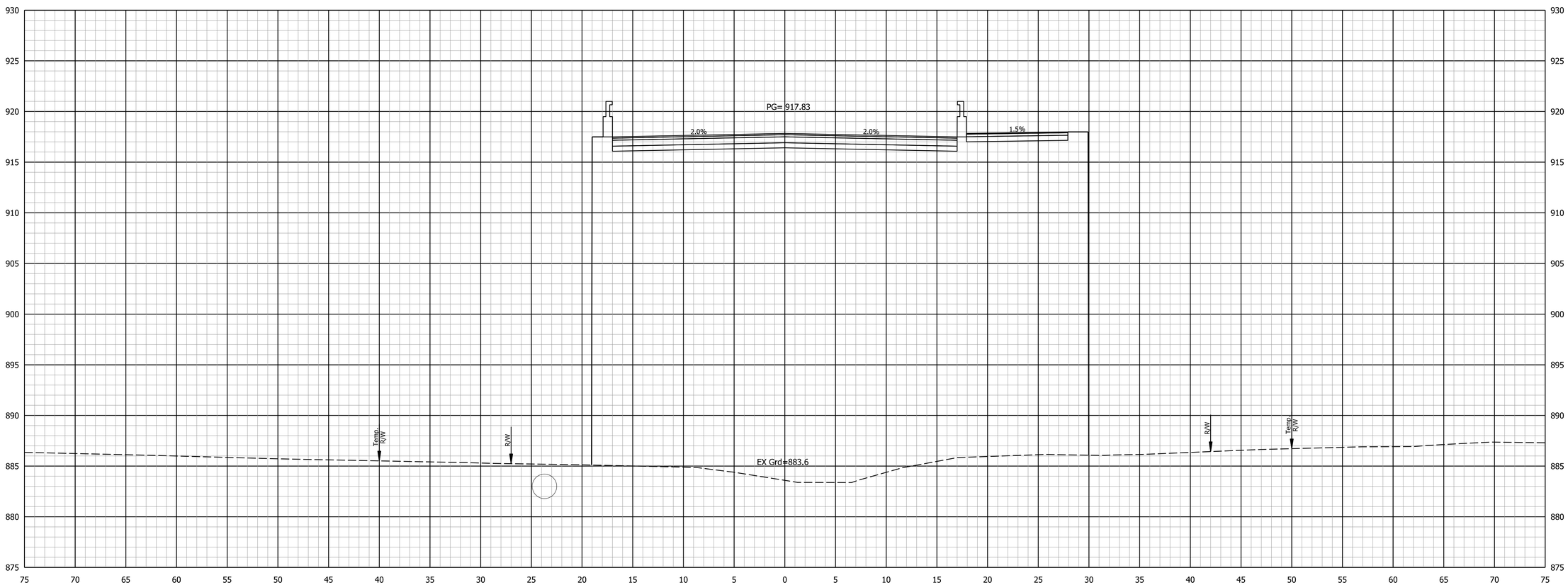
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "PR-S"

SCALE	BRIDGE FILE
1" = 5'	---
	DESIGNATION
	1702957

SURVEY BOOK	SHEETS
ELECTRONIC	42 of 56
CONTRACT	PROJECT
R-40890	1702957



Ac = 0 SFT
Vc = 0 CYS

Af = 1552 SFT
Vf = 3015 CYS

14+00

STA. 14+00 TO STA. 14+00

3/31/2020
PW:\2018\ 1863\ 2010\
X:\Projects\GFL\2018\1863\201090\Civil\Full Civil\Civil\DGN\X SEC\2010 CS.dgn

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DESIGN ENGINEER DATE

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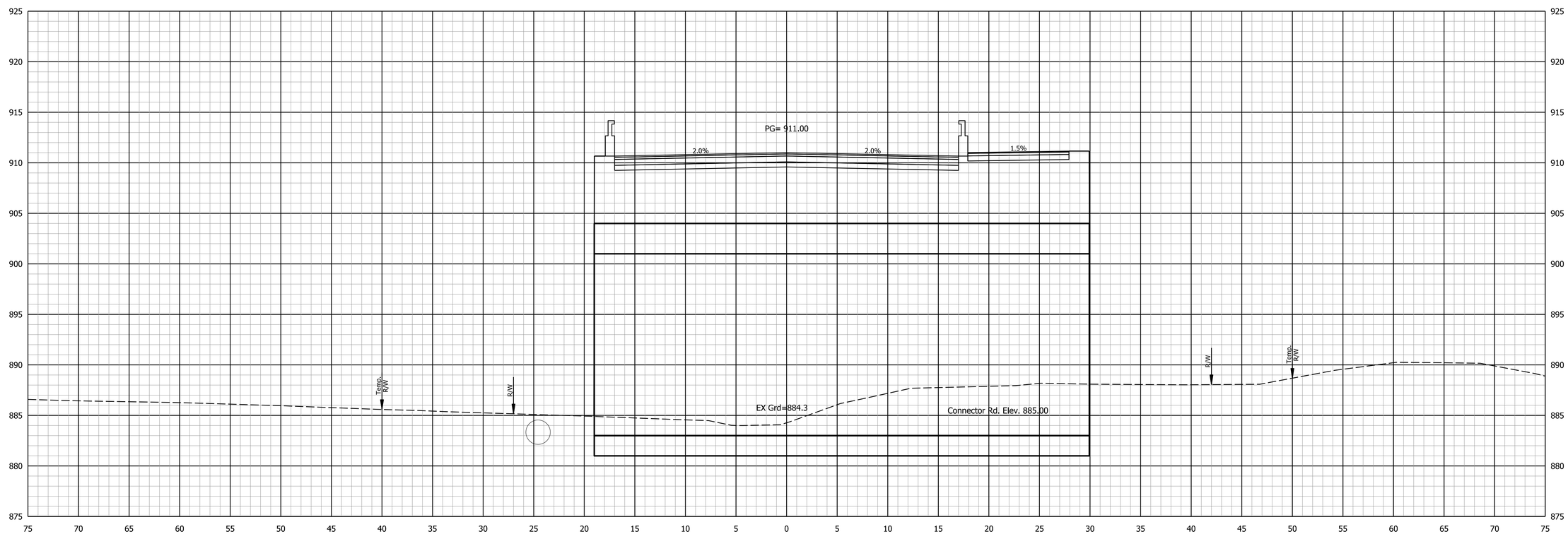
CHECKED: DSB 11/2019
CHECKED: AMH 11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "PR-S"

SCALE	BRIDGE FILE
1" = 5'	---
	DESIGNATION
	1702957

SURVEY BOOK	SHEETS
ELECTRONIC	43 of 56
CONTRACT	PROJECT
R-40890	1702957



Ac = 0 SFT
Vc = 0 CYS

Af = 1155 SFT
Vf = 2328 CYS

15+00

STA. 15+00 TO STA. 15+00

4/6/2020
PW:\2018\.1863\.2010\
X:\Projects\GFL\2018\1863\201090\Civil\Full Civil\DGN\X SEC\2010 CS.dgn

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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE

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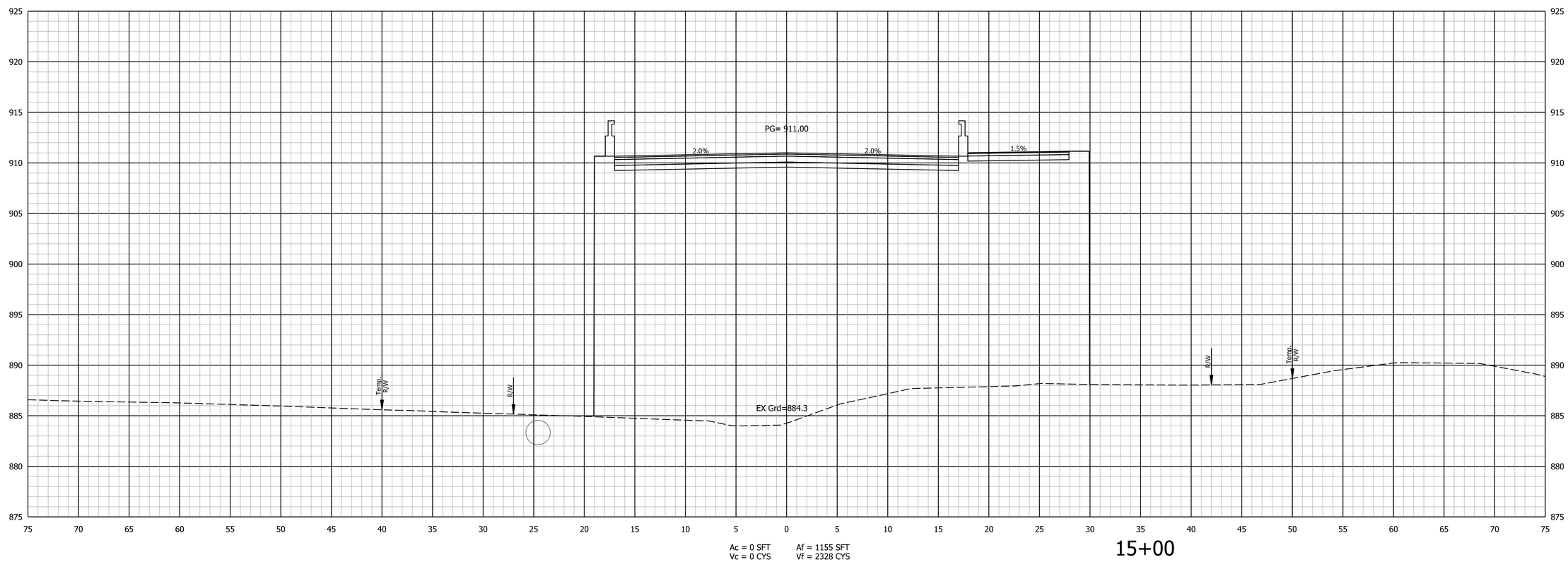
CHECKED: DSB	11/2019	CHECKED: AMH	11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "PR-S"

SCALE	BRIDGE FILE
1" = 5'	---
	DESIGNATION
	1702957
SURVEY BOOK	SHEETS
ELECTRONIC	45 of 56
CONTRACT	PROJECT
R-40890	1702957



STA. 15+00 TO STA. 15+00

3/31/2020
PW:\2018\.1863\.2010\
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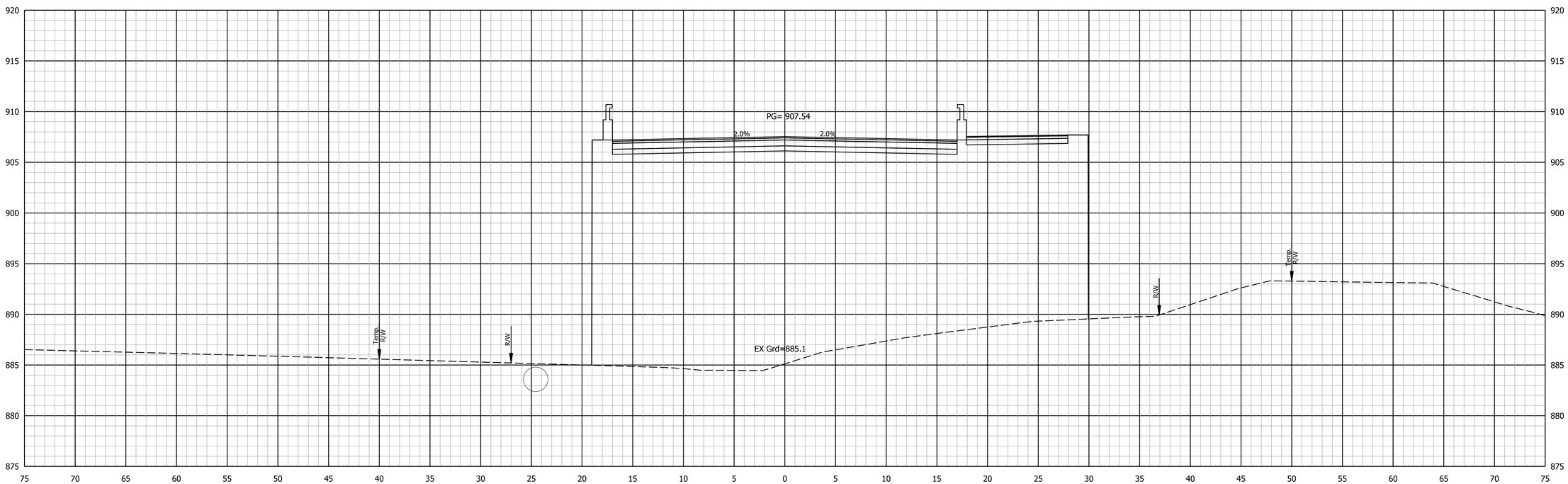
CHECKED: DSB	11/2019	CHECKED: AMH	11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "PR-S"

SCALE	BRIDGE FILE
1" = 5'	---
	DESIGNATION
	1702957
SURVEY BOOK	SHEETS
ELECTRONIC	45 of 56
CONTRACT	PROJECT
R-40890	1702957



Ac = 0 SFT
Vc = 0 CYS

Af = 960 SFT
Vf = 1958 CYS

15+50

STA. 15+50 TO STA. 15+50

3/31/2020
PW:\2018\ 1863\ 2010\
X:\Projects\GFL\2018\1863\201090\Civil\Full Civil\DGN\X SEC\2010 CS.dgn

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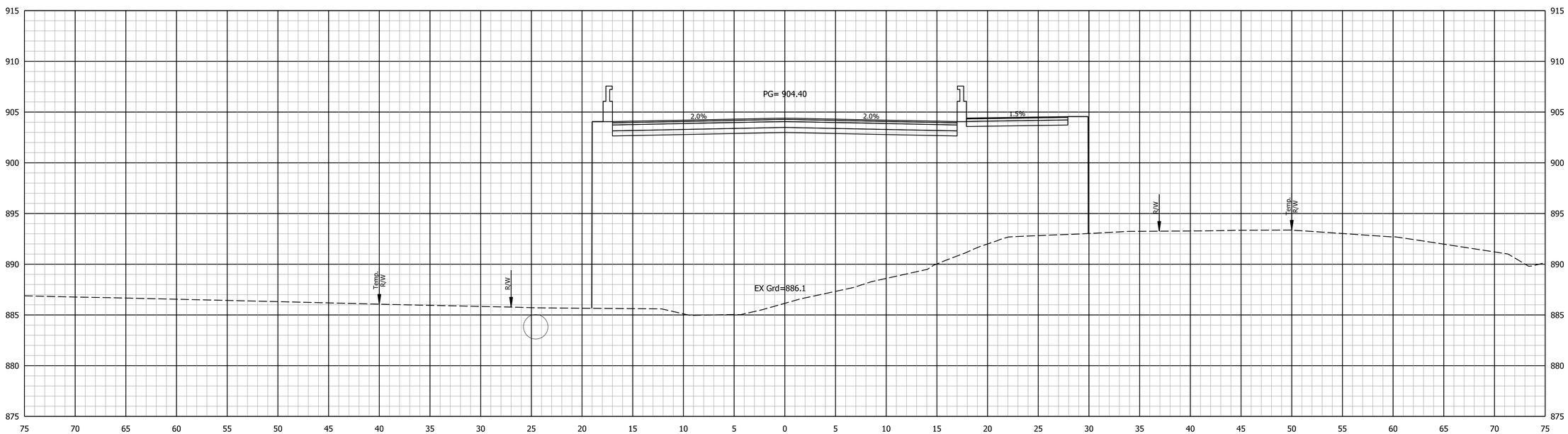
CHECKED: DSB 11/2019 CHECKED: AMH 11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "PR-S"

SCALE	BRIDGE FILE
1" = 5'	---
	DESIGNATION
	1702957

SURVEY BOOK	SHEETS
ELECTRONIC	46 of 56
CONTRACT	PROJECT
R-40890	1702957



Ac = 0 SFT
Vc = 0 CYS

Af = 728 SFT
Vf = 1563 CYS

16+00

STA. 16+00 TO STA. 16+00

3/31/2020
PW:\2018\ 1863\ 2010\
X:\Projects\GFL\2018\1863\201090\Civil\Full Civil\DGN\X SEC\2010 CS.dgn

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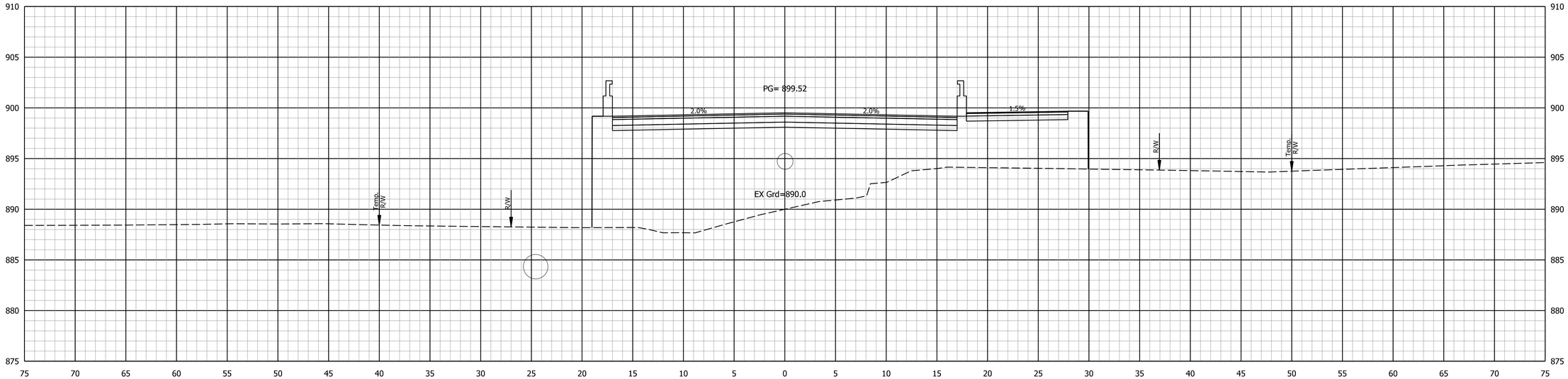
CHECKED: DSB 11/2019 CHECKED: AMH 11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "PR-S"

SCALE	BRIDGE FILE
1" = 5'	---
	DESIGNATION
	1702957

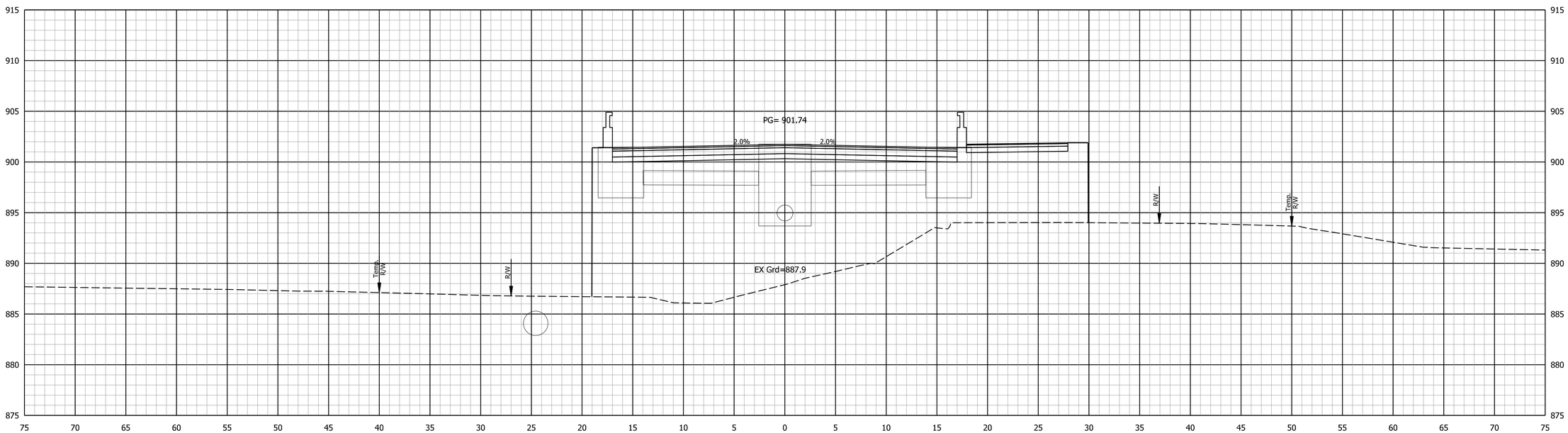
SURVEY BOOK	SHEETS
ELECTRONIC	47 of 56
CONTRACT	PROJECT
R-40890	1702957



Ac = 0 SFT
Vc = 0 CYS

Af = 345 SFT
Vf = 795 CYS

17+00



Ac = 0 SFT
Vc = 0 CYS

Af = 514 SFT
Vf = 1150 CYS

16+50

STA. 16+50 TO STA. 17+00

3/31/2020
PW:\2018\ 1863\ 2010\
X:\Projects\GFL\2018\1863\201090\Civil\Full Civil\DGN\X SEC\2010 CS.dgn

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DESIGN ENGINEER DATE

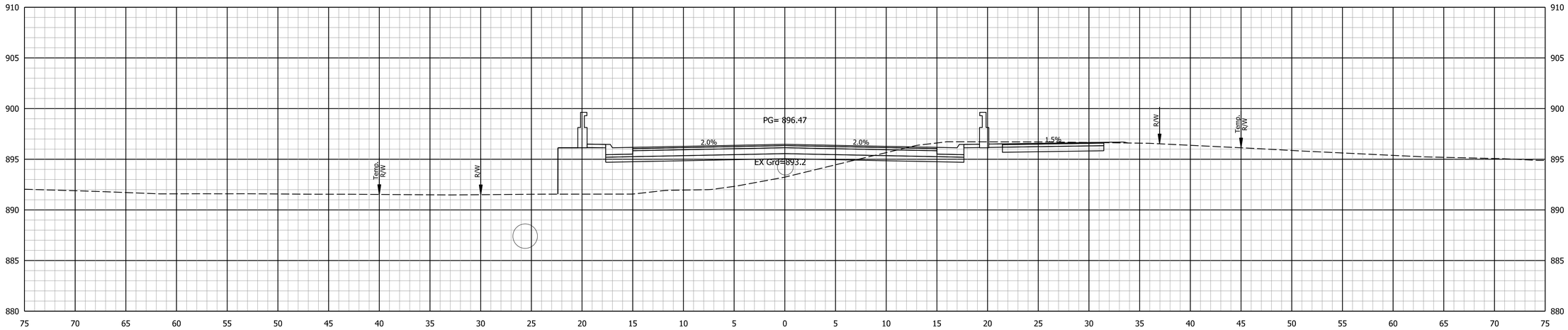
DESIGNED: AMH	11/2019	DRAWN: DPH	11/2019
CHECKED: DSB	11/2019	CHECKED: AMH	11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "PR-S"

SCALE	BRIDGE FILE
1" = 5'	---
	DESIGNATION
	1702957

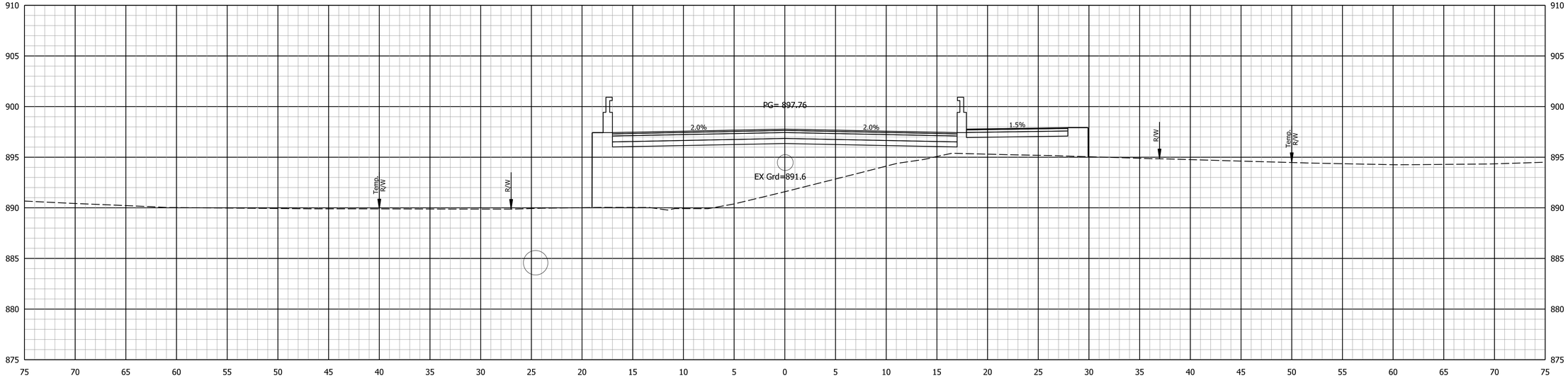
SURVEY BOOK	SHEETS		
ELECTRONIC	48	of	56
CONTRACT	PROJECT		
R-40890	1702957		



Ac = 25 SFT
Vc = 23 CYS

Af = 68 SFT
Vf = 233 CYS

18+00



Ac = 0 SFT
Vc = 0 CYS

Af = 183 SFT
Vf = 489 CYS

17+50

STA. 17+50 TO STA. 18+00

3/31/2020
PW:\\2018\ 1863\ 2010\
X:\Projects\GPL\2018\1863\201090\Civil\Full Civil\DGN\X SEC\2010 CS.dgn

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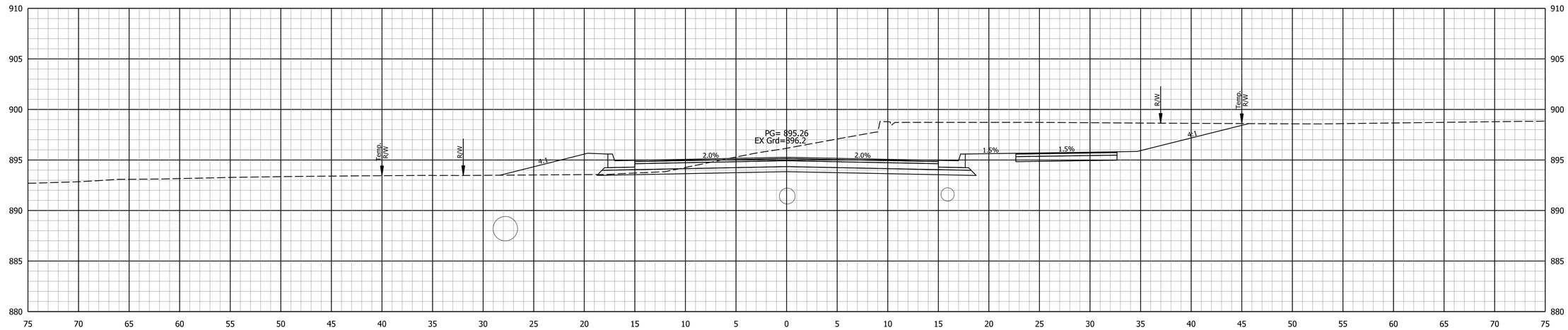
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "PR-S"

SCALE	BRIDGE FILE
1" = 5'	---
	DESIGNATION
	1702957

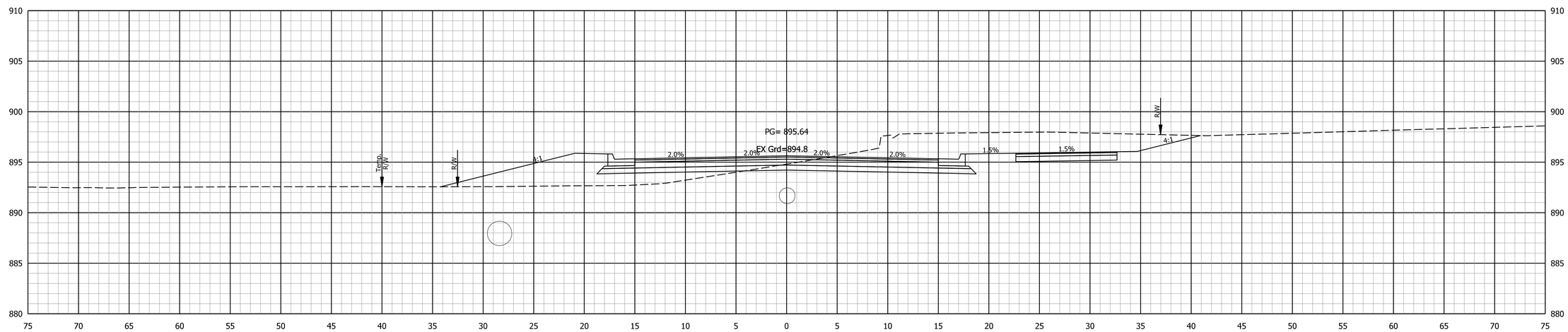
SURVEY BOOK	SHEETS		
ELECTRONIC	49	of	56
CONTRACT	PROJECT		
R-40890	1702957		



Ac = 167 SFT
Vc = 243 CYS

Af = 12 SFT
Vf = 49 CYS

19+00



Ac = 94.8 SFT
Vc = 111 CYS

Af = 42.2 SFT
Vf = 102 CYS

18+50

STA. 18+50 TO STA. 19+00

3/31/2020
PW:\\2018\ 1863\ 2010\
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DESIGN ENGINEER DATE

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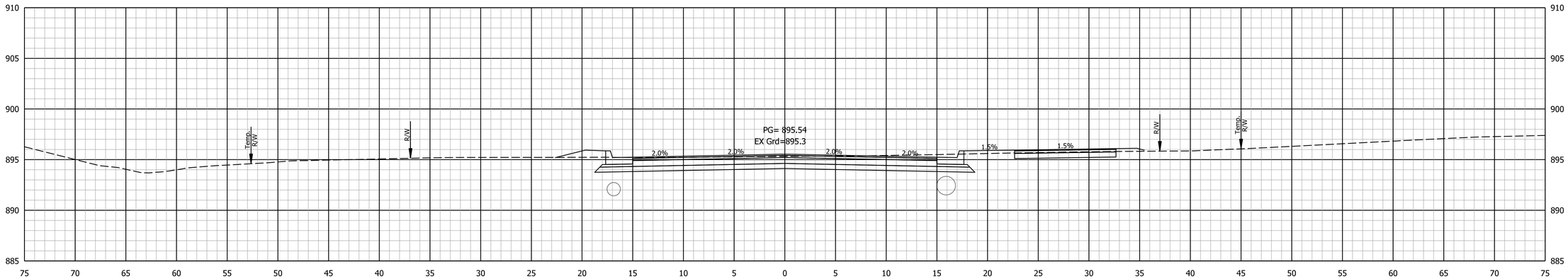
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "PR-S"

SCALE	BRIDGE FILE
1" = 5'	---
	DESIGNATION
	1702957

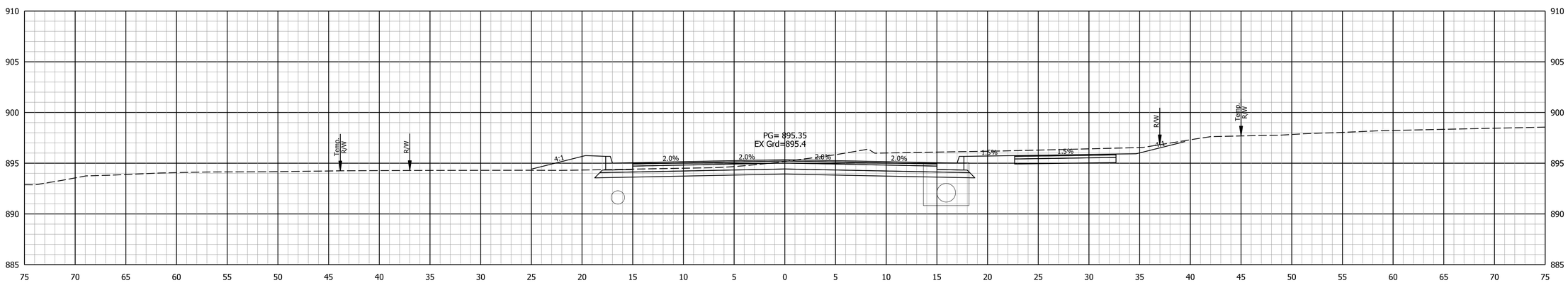
SURVEY BOOK	SHEETS		
ELECTRONIC	50	of	56
CONTRACT	PROJECT		
R-40890	1702957		



Ac = 57 SFT
Vc = 56 CYS

Af = 5 SFT
Vf = 5 CYS

19+72.89



Ac = 75 SFT
Vc = 224 CYS

Af = 7 SFT
Vf = 18 CYS

19+50

STA. 19+50 TO STA. 19+72.89

3/31/2020
PW:\2018\1863\2010\
X:\Projects\GFL\2018\1863\201090\Civil\Full Civil\Civil\DGNX SEC\2010 CS.dgn

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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

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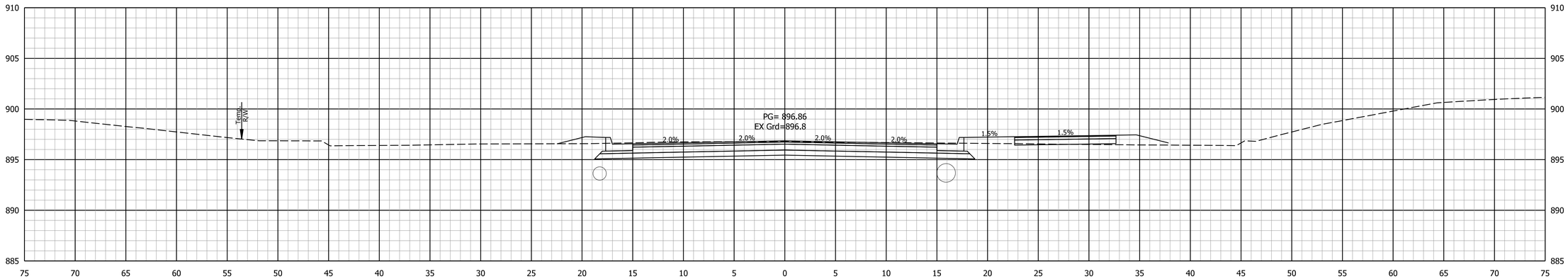
CHECKED: DSB	11/2019	CHECKED: AMH	11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "PR-S"

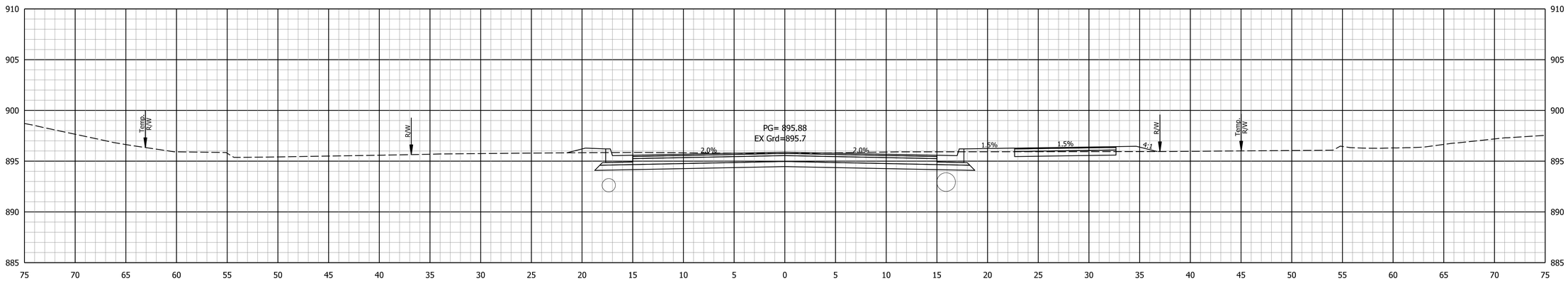
SCALE	BRIDGE FILE
1" = 5'	----
	DESIGNATION
	1702957
SURVEY BOOK	SHEETS
ELECTRONIC	51 of 56
CONTRACT	PROJECT
R-40890	1702957



Ac = 54 SFT
Vc = 108 CYS

Af = 9 SFT
Vf = 13 CYS

20+50



Ac = 62 SFT
Vc = 60 CYS

Af = 4 SFT
Vf = 5 CYS

20+00

STA. 20+00 TO STA. 20+50

3/31/2020
PW:\2018\ 1863\ 2010\
X:\Projects\GFL\2018\1863\201090\Civil\Full Civil\Civil\DGNX SEC\2010 CS.dgn

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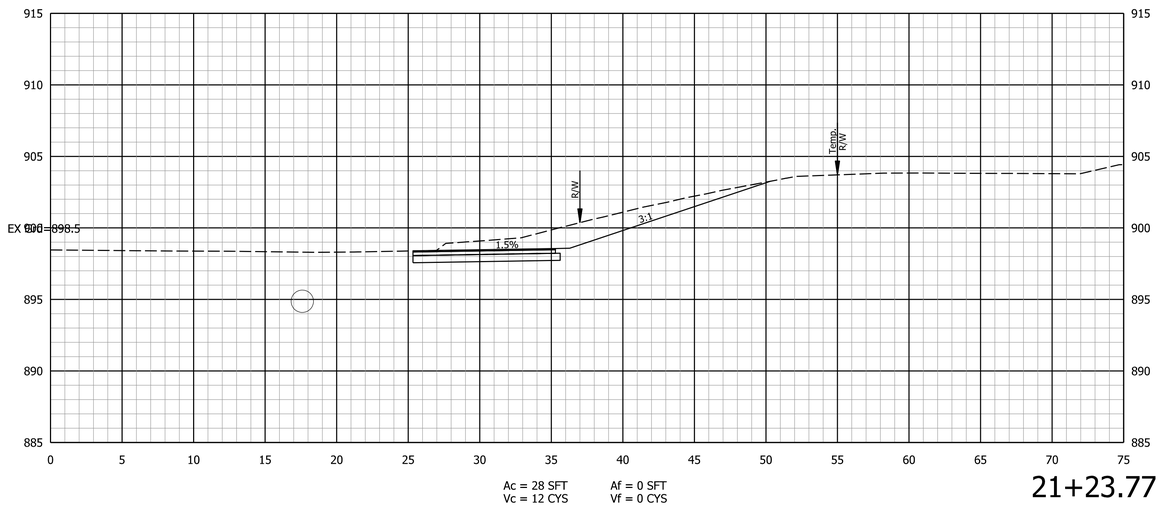
CHECKED: DSB	11/2019	CHECKED: AMH	11/2019

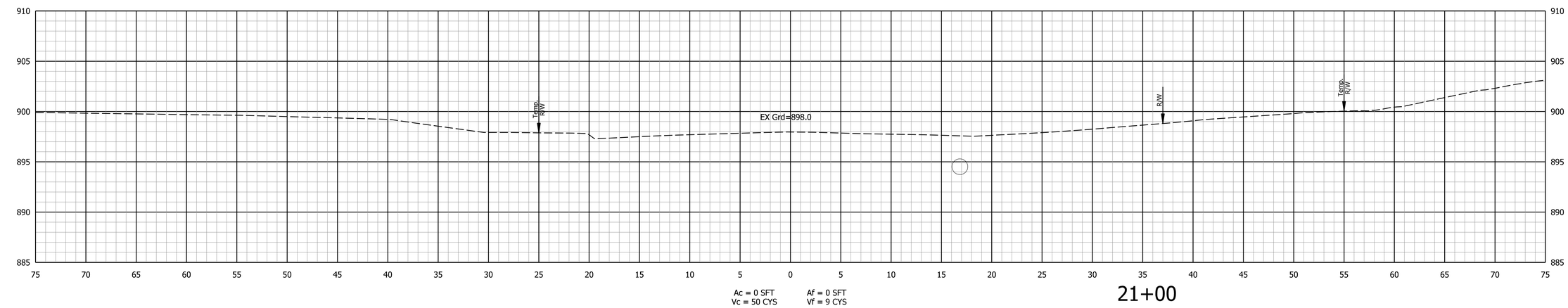
INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "PR-S"

SCALE	BRIDGE FILE
1" = 5'	----
	DESIGNATION
	1702957
SURVEY BOOK	SHEETS
ELECTRONIC	52 of 56
CONTRACT	PROJECT
R-40890	1702957



21+23.77



21+00

STA. 21+00 TO STA. 21+23.77

3/31/2020
PW:\2018\ 1863\ 2010\
X:\Projects\GFL\2018\1863\2010\90\Civil\Full Civil\DGNX SEC\2010 CS.dgn

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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	
DESIGNED: AMH 11/2019	DRAWN: DPH 11/2019		
CHECKED: DSB 11/2019	CHECKED: AMH 11/2019		

INDIANA
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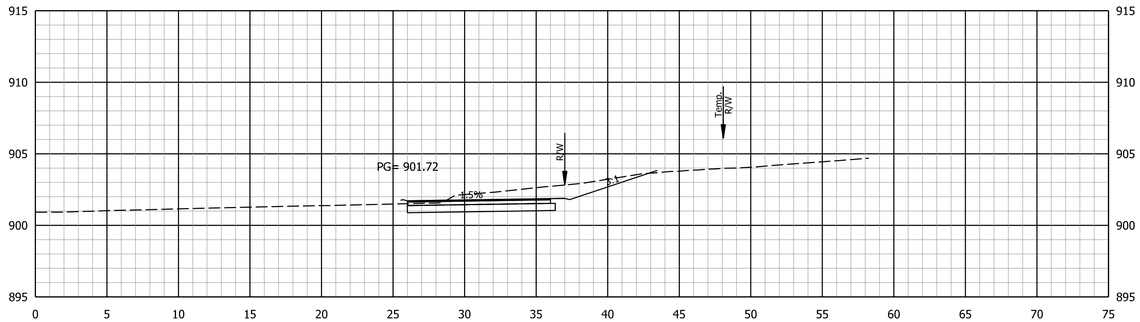
CROSS SECTIONS
LINE "PR-S"

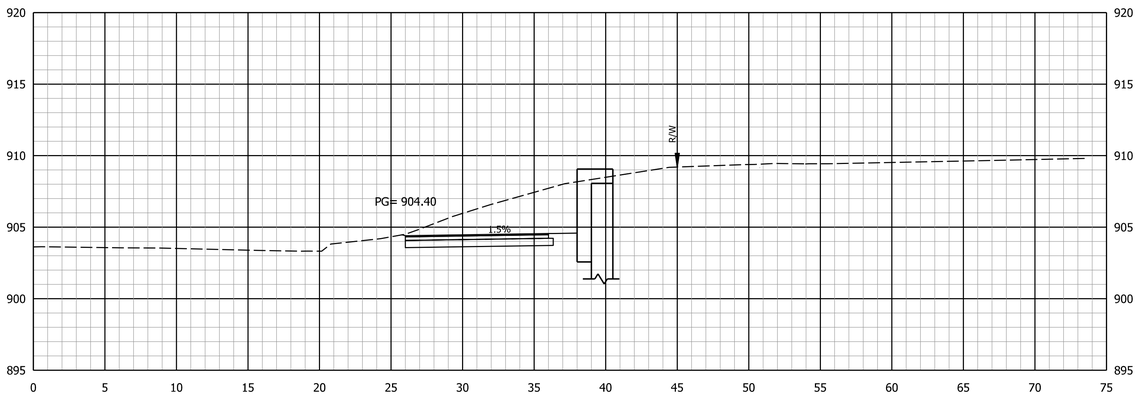
SCALE	BRIDGE FILE
1" = 5'	----
	DESIGNATION
	1702957
SURVEY BOOK	SHEETS
ELECTRONIC	53 of 56
CONTRACT	PROJECT
R-40890	1702957



Ac = 16 SFT
Vc = 25 CYS

Af = 0 SFT
Vf = 0 CYS

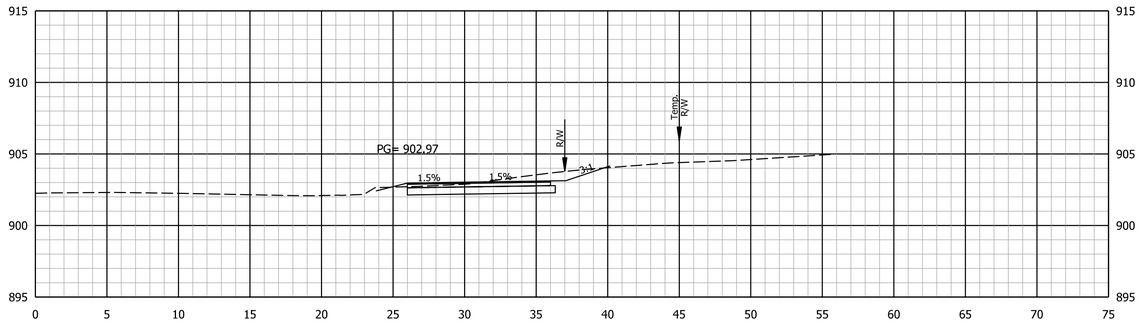
26+00



Ac = 58 SFT
Vc = 107 CYS

Af = 0 SFT
Vf = 0 CYS

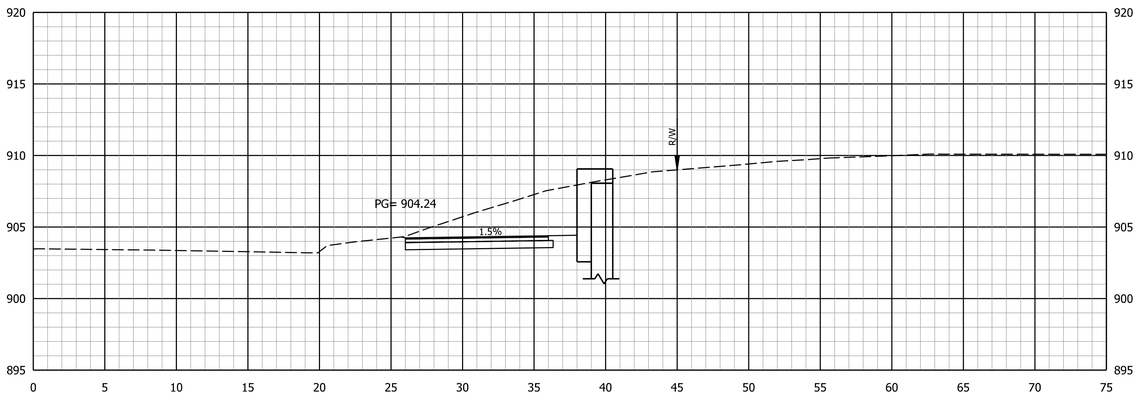
24+50



Ac = 11 SFT
Vc = 15 CYS

Af = 0 SFT
Vf = 1 CYS

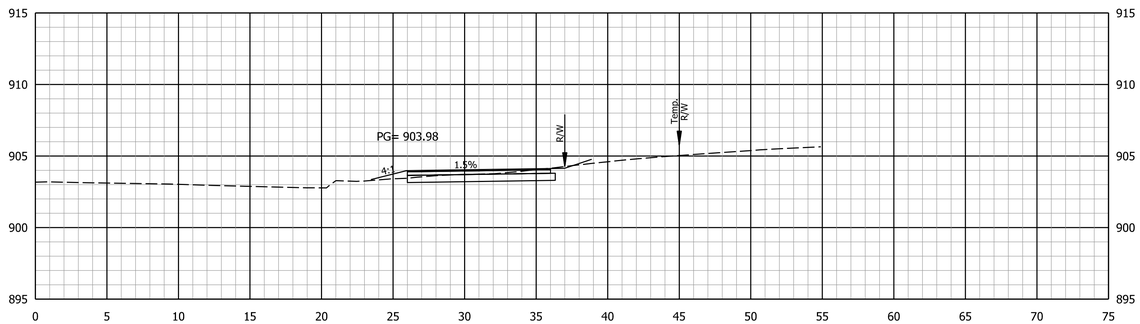
25+50



Ac = 58 SFT
Vc = 71 CYS

Af = 0 SFT
Vf = 0 CYS

24+00



Ac = 6 SFT
Vc = 59 CYS

Af = 1 SFT
Vf = 1 CYS

25+00

STA. 24+00 TO STA. 26+00

4/7/2020
PW:\\2018\ 1863\ 2010\
X:\Projects\GFL\2018\1863\201090\Civil\Full Civil\DGN\X SEC\2010 CS.dgn

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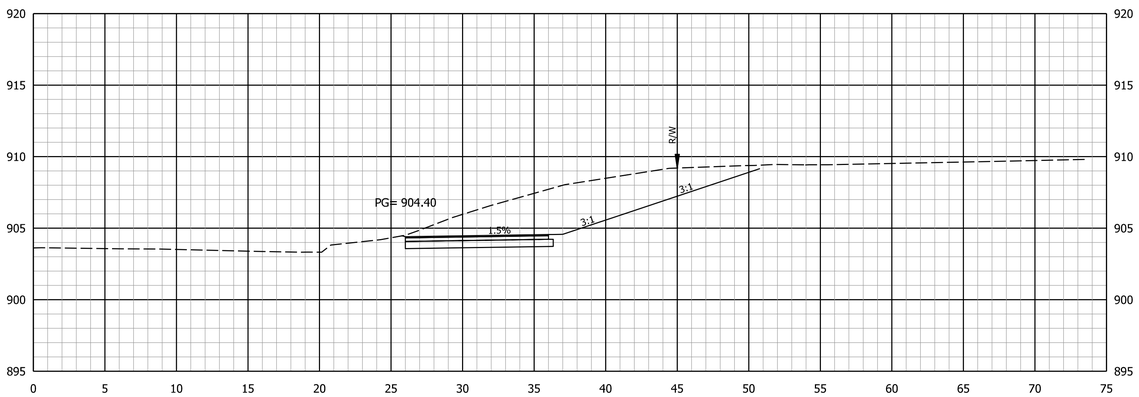
CHECKED: DSB 11/2019 CHECKED: AMH 11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "PR-S"

SCALE	BRIDGE FILE
1" = 5'	---
	DESIGNATION
	1702957

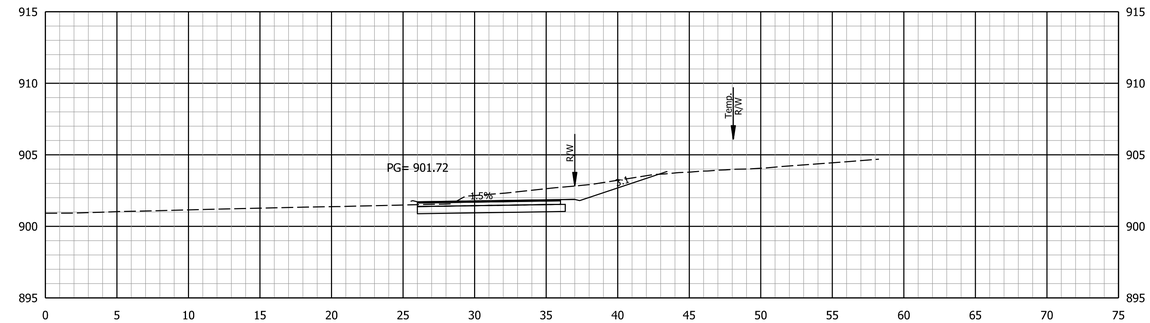
SURVEY BOOK	SHEETS		
ELECTRONIC	55	of	56
CONTRACT	PROJECT		
R-40890	1702957		



Ac = 58 SFT
Vc = 107 CYS

Af = 0 SFT
Vf = 0 CYS

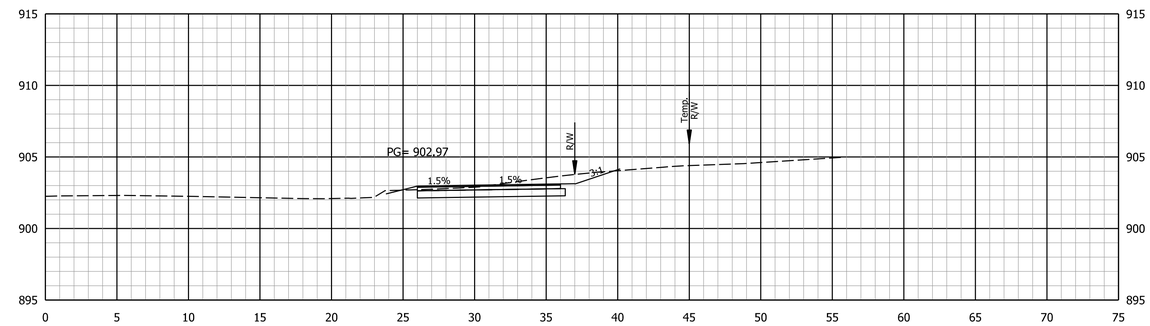
24+50



Ac = 16 SFT
Vc = 25 CYS

Af = 0 SFT
Vf = 0 CYS

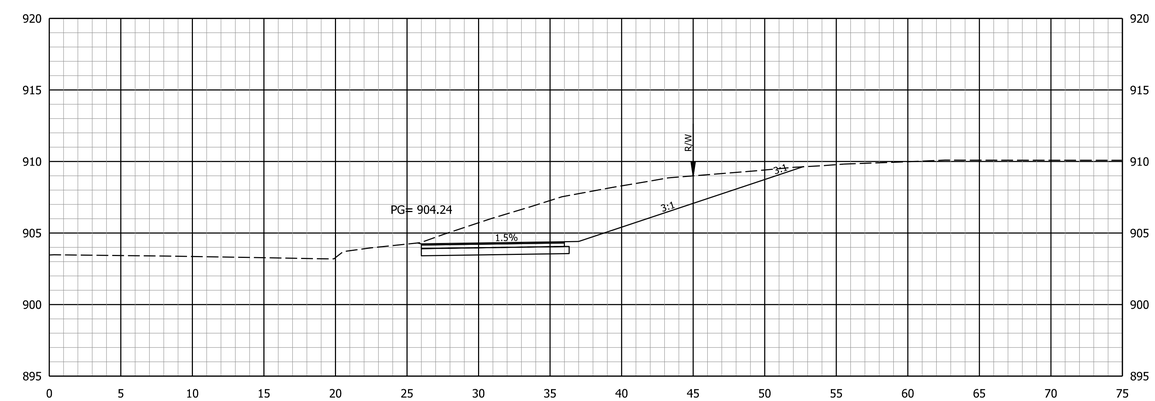
26+00



Ac = 11 SFT
Vc = 15 CYS

Af = 0 SFT
Vf = 1 CYS

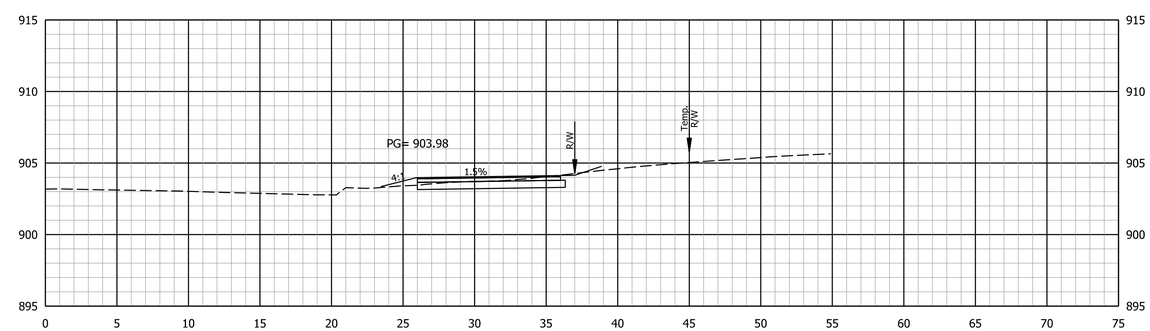
25+50



Ac = 58 SFT
Vc = 71 CYS

Af = 0 SFT
Vf = 0 CYS

24+00



Ac = 6 SFT
Vc = 59 CYS

Af = 1 SFT
Vf = 1 CYS

25+00

STA. 24+00 TO STA. 26+00

3/31/2020
PW:\\2018\ 1863\ 2010\
X:\Projects\GFL\2018\1863\201090\Civil\Full Civil\DGN\X SEC\201D CS.dgn

DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER DATE

DESIGNED: AMH 11/2019 DRAWN: DPH 11/2019

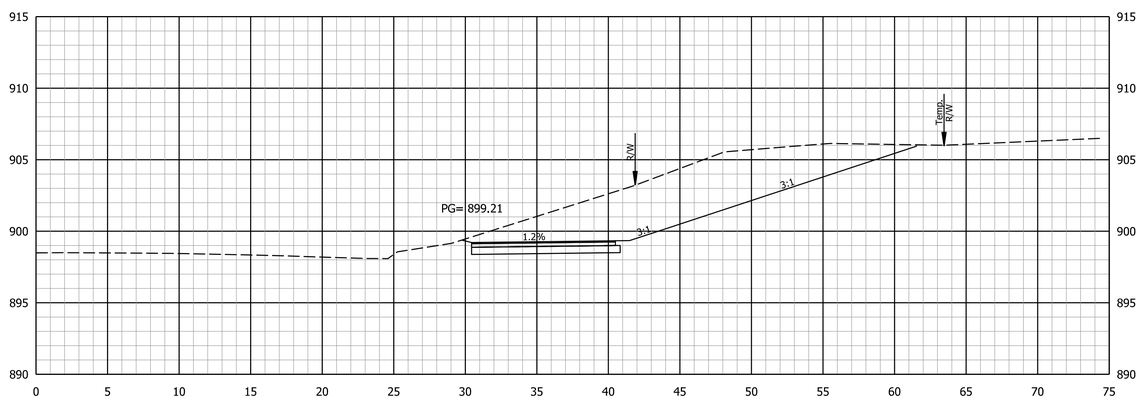
CHECKED: DSB 11/2019 CHECKED: AMH 11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "PR-S"

SCALE	BRIDGE FILE
1" = 5'	---
	DESIGNATION
	1702957

SURVEY BOOK	SHEETS		
ELECTRONIC	55	of	56
CONTRACT	PROJECT		
R-40890	1702957		

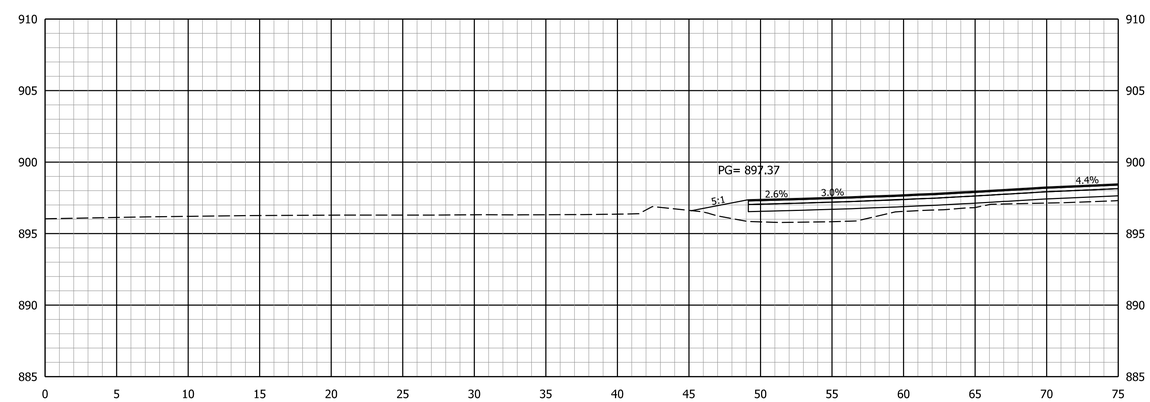


Ac = 80 SFT
Vc = 132 CYS

Af = 0 SFT
Vf = 0 CYS

27+00

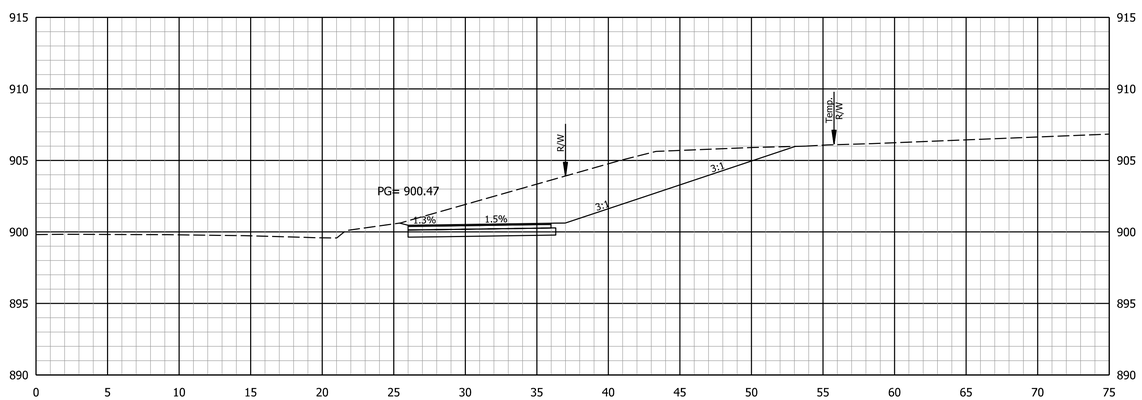
End Project
28+10.89 "PR-S"



Ac = 0 SFT
Vc = 93 CYS

Af = 15 SFT
Vf = 14 CYS

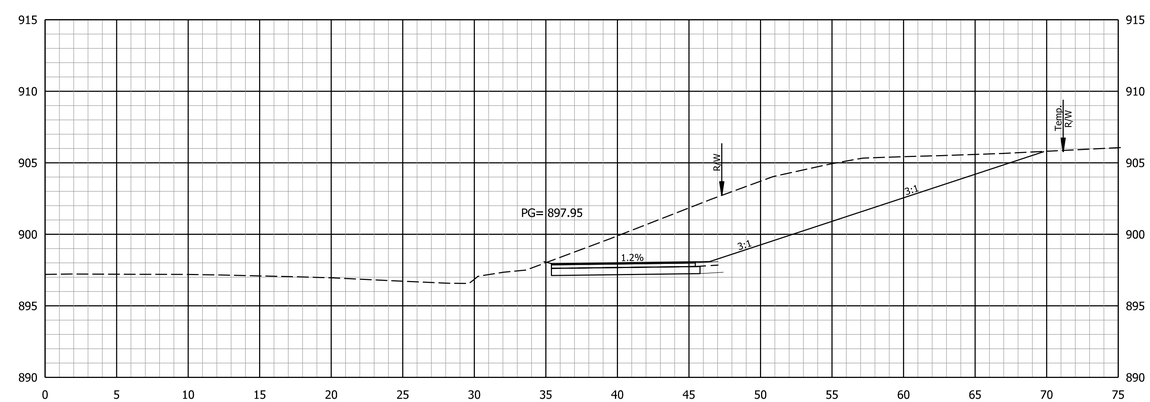
28+00



Ac = 62 SFT
Vc = 73 CYS

Af = 0 SFT
Vf = 0 CYS

26+50



Ac = 101 SFT
Vc = 167 CYS

Af = 0 SFT
Vf = 0 CYS

27+50

STA. 26+50 TO STA. 28+00

3/31/2020
PW:\2018\ 1863\ 2010\
X:\Projects\GFL\2018\1863\201090\Civil\Full Civil\DGN\X SEC\2010 CS.dgn

DLZ

NOT FOR CONSTRUCTION

DLZ INDIANA, LLC

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DESIGN ENGINEER DATE

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CHECKED: DSB 11/2019 CHECKED: AMH 11/2019

INDIANA
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
LINE "PR-S"

SCALE	BRIDGE FILE
1" = 5'	---
	DESIGNATION
	1702957

SURVEY BOOK	SHEETS		
ELECTRONIC	56	of	56
CONTRACT	PROJECT		
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