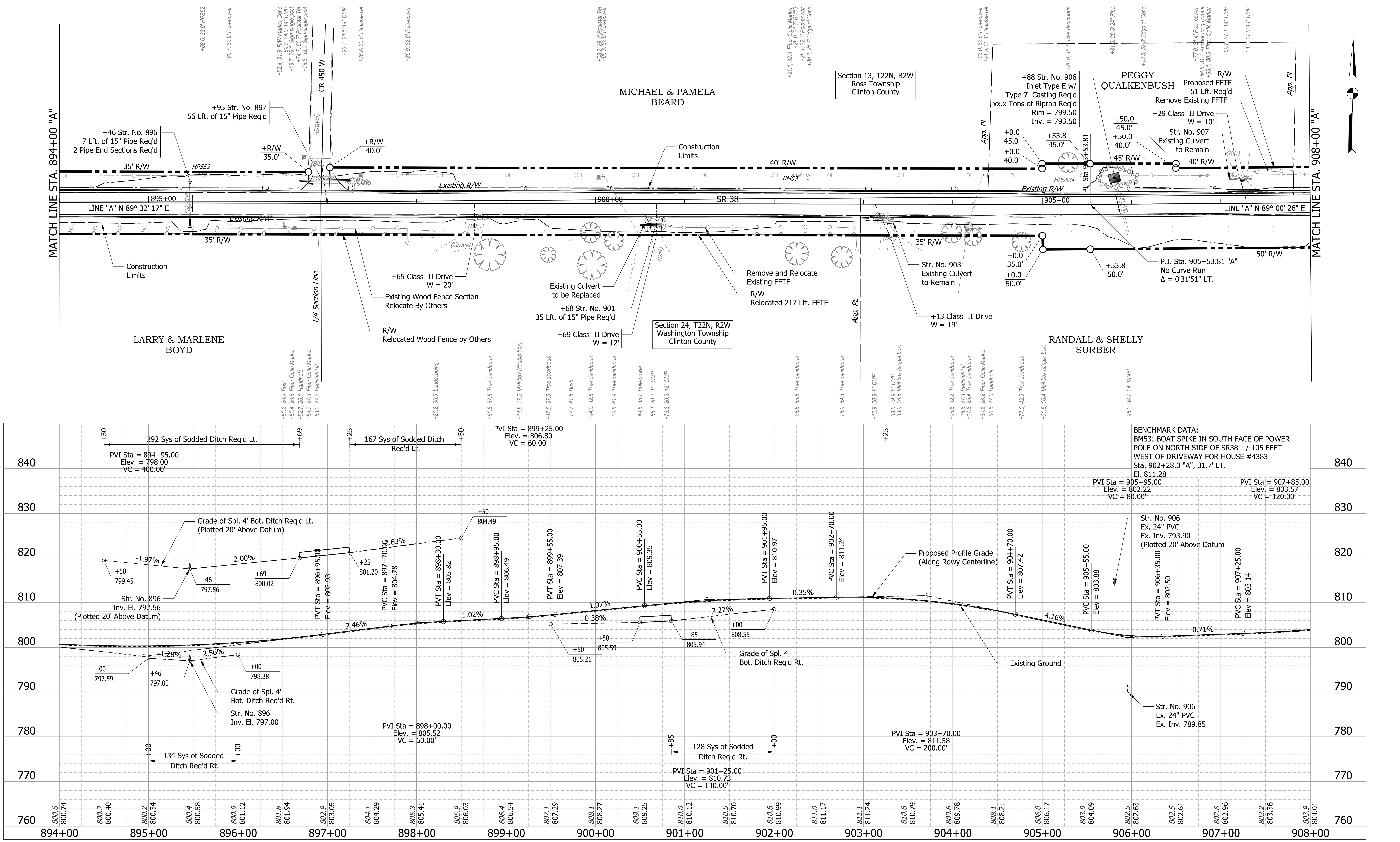

CONTROL POINT HPS52	N: 170904.8700 E: 873707.7740 El. 799.85	
CONTROL POINT HPS53	N: 170906.9710 E: 874683.9390 El. 804.07	

DESIGNED	KS	6/26/19
DRAWN	MH	6/26/19
REVIEWED	JR	8/21/20

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 2/11/2021

DESIGNED: KS — DRAWN: MH

CHECKED: JR — CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
STA. 894+00 "A" TO STA. 908+00 "A"

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50' H 1" = 10' V	1601074
SURVEY BOOK	SHEETS
	84 of 478
CONTRACT	PROJECT
RS-40528	1601074

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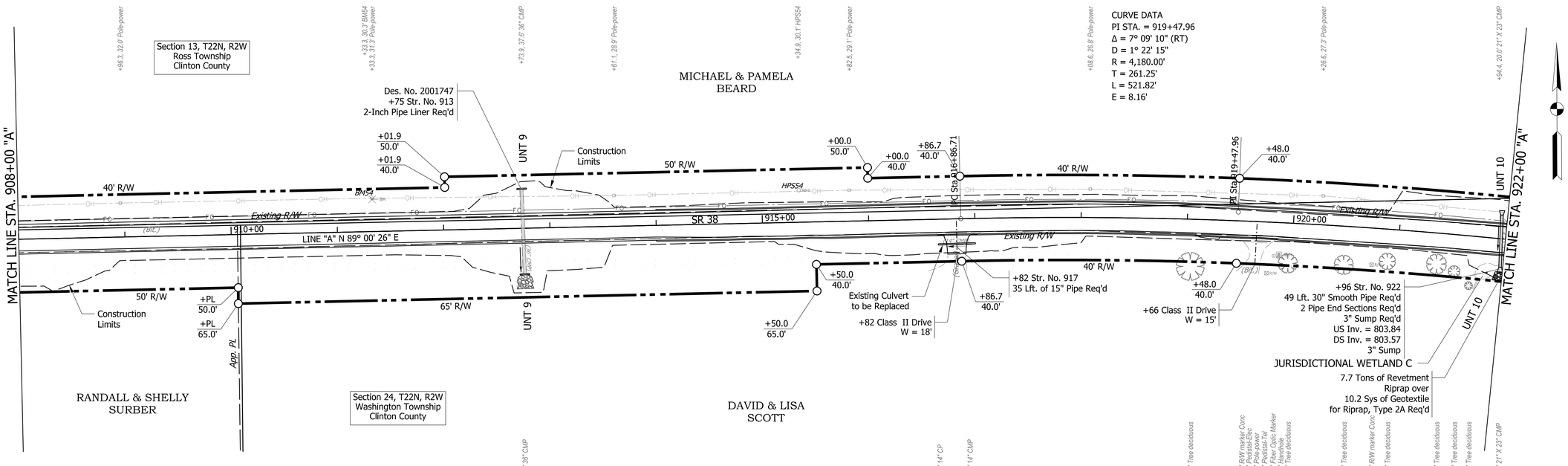

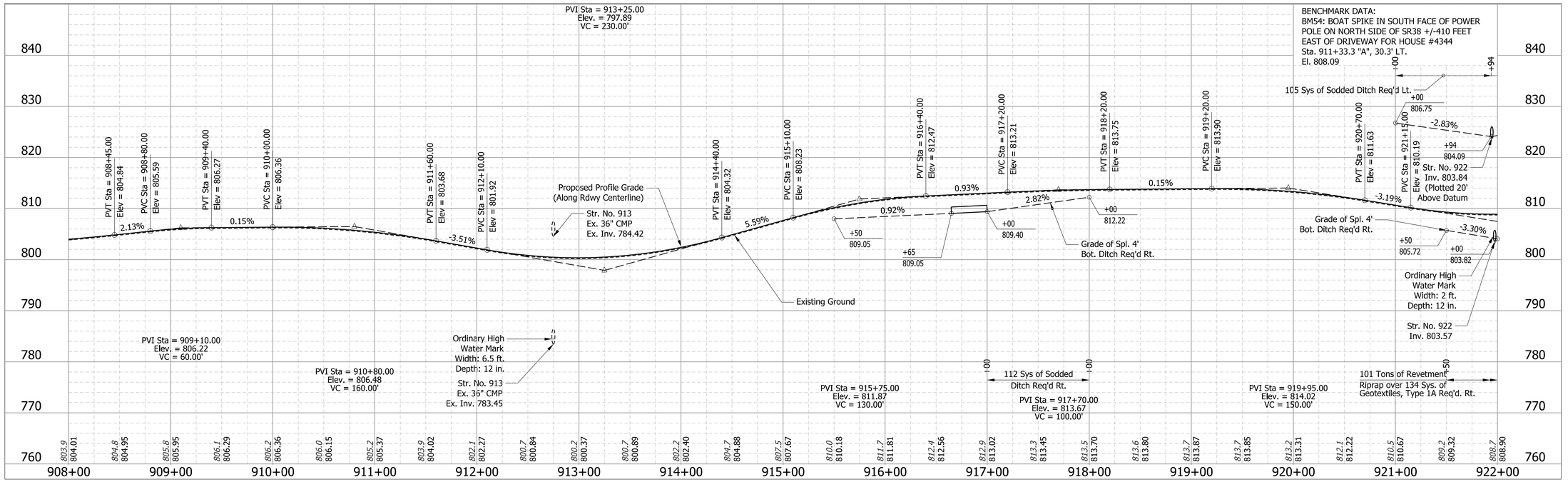

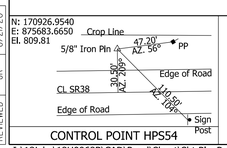

DESIGNED	KS	6/26/19
DRAWN	MH	6/26/19
REVIEWED	JR	9/27/20

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 2/17/2021 — DATE

DESIGNED: KS | DRAWN: MH

CHECKED: JR | CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
STA. 908+00 "A" TO STA. 922+00 "A"

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50' H 1" = 10' V	1601074
SURVEY BOOK	SHEETS
	85 of 478
CONTRACT	PROJECT
RS-40528	1601074

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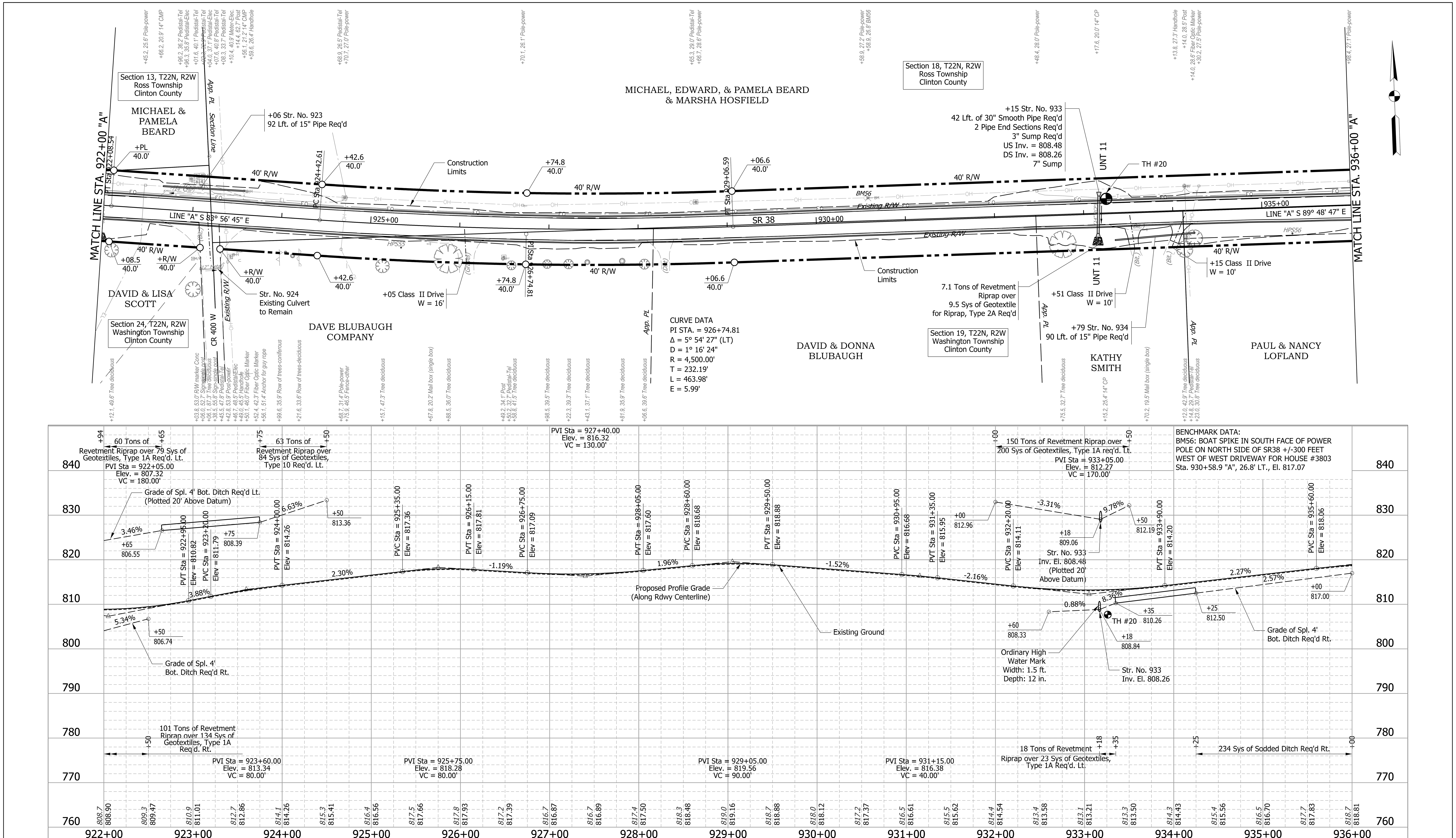

Section 13, T22N, R2W
Ross Township
Clinton County
MICHAEL & PAMELA BEARD
MICHAEL, EDWARD, & PAMELA BEARD & MARSHA HOSFIELD
Section 18, T22N, R2W
Ross Township
Clinton County
+06 Str. No. 923
92 Lft. of 15" Pipe Req'd
+15 Str. No. 933
42 Lft. of 30" Smooth Pipe Req'd
2 Pipe End Sections Req'd
3" Sump Req'd
US Inv. = 808.48
DS Inv. = 808.26
7" Sump
TH #20
UNT 11
Construction Limits
40' R/W
LINE "A" S 83° 56' 45" E
LINE "A" S 89° 48' 47" E
SR 38
925+00
930+00
935+00
Existing R/W
MATCH LINE STA. 922+00 "A"
MATCH LINE STA. 936+00 "A"
App. PL
Section Line
Existing R/W
CR 400 W
+08.5
40.0'
+R/W
40.0'
Str. No. 924
Existing Culvert
to Remain
DAVID & LISA SCOTT
Section 24, T22N, R2W
Washington Township
Clinton County
DAVE BLUBAUGH COMPANY
+05 Class II Drive
W = 16'
CURVE DATA
PI STA. = 926+74.81
Δ = 5° 54' 27" (LT)
D = 1° 16' 24"
R = 4,500.00'
T = 232.19'
L = 463.98'
E = 5.99'
DAVID & DONNA BLUBAUGH
Section 19, T22N, R2W
Washington Township
Clinton County
7.1 Tons of Revetment
Riprap over
9.5 Sys of Geotextile
for Riprap, Type 2A Req'd
+51 Class II Drive
W = 10'
+79 Str. No. 934
90 Lft. of 15" Pipe Req'd
KATHY SMITH
+15 Class II Drive
W = 10'
PAUL & NANCY LOFLAND
60 Tons of Revetment Riprap over 79 Sys of Geotextiles, Type 1A Req'd. Lt.
63 Tons of Revetment Riprap over 84 Sys of Geotextiles, Type 10 Req'd. Lt.
PVI Sta = 922+05.00
Elev. = 807.32
VC = 180.00'
PVI Sta = 927+40.00
Elev. = 816.32
VC = 130.00'
150 Tons of Revetment Riprap over 200 Sys of Geotextiles, Type 1A req'd. Lt.
PVI Sta = 933+05.00
Elev. = 812.27
VC = 170.00'
BENCHMARK DATA:
BM56: BOAT SPIKE IN SOUTH FACE OF POWER POLE ON NORTH SIDE OF SR38 +/-300 FEET WEST OF WEST DRIVEWAY FOR HOUSE #3803
Sta. 930+58.9 "A", 26.8' LT., El. 817.07
Grade of Spl. 4' Bot. Ditch Req'd Lt.
(Plotted 20' Above Datum)
Proposed Profile Grade
(Along Rdwy Centerline)
Existing Ground
Str. No. 933
Inv. El. 808.48
(Plotted 20' Above Datum)
Ordinary High Water Mark
Width: 1.5 ft.
Depth: 12 in.
Str. No. 933
Inv. El. 808.26
Grade of Spl. 4' Bot. Ditch Req'd Rt.
101 Tons of Revetment Riprap over 134 Sys of Geotextiles, Type 1A Req'd. Rt.
PVI Sta = 923+60.00
Elev. = 813.34
VC = 80.00'
PVI Sta = 925+75.00
Elev. = 818.28
VC = 80.00'
PVI Sta = 929+05.00
Elev. = 819.56
VC = 90.00'
PVI Sta = 931+15.00
Elev. = 816.38
VC = 40.00'
18 Tons of Revetment Riprap over 23 Sys of Geotextiles, Type 1A Req'd. Lt.
234 Sys of Sodded Ditch Req'd Rt.
922+00
923+00
924+00
925+00
926+00
927+00
928+00
929+00
930+00
931+00
932+00
933+00
934+00
935+00
936+00

CONTROL POINT HPS55
N: 170817.9160
E: 876679.8290
El. 816.16

CONTROL POINT HPS56
N: 170795.8190
E: 877679.4480
El. 816.92

DESIGNED	KS	6/26/19
DRAWN	MH	6/26/19
REVIEWED	JR	8/21/20

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 2/11/2021

DESIGNED: KS — DRAWN: MH
CHECKED: JR — CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
STA. 922+00 "A" TO STA. 936+00 "A"

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50' H 1" = 10' V	1601074
SURVEY BOOK	SHEETS
	86 of 478
CONTRACT	PROJECT
RS-40528	1601074

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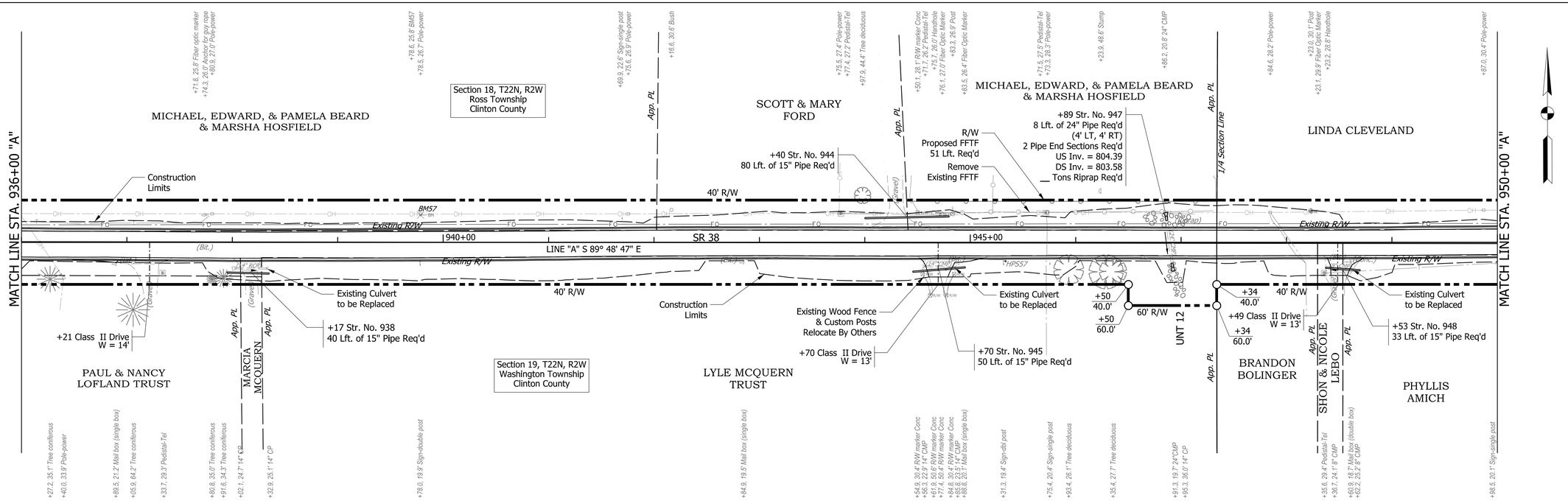
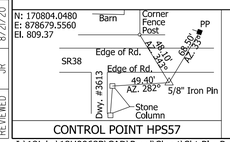


BENCHMARK DATA:
BM57: BOAT SPIKE IN SOUTH FACE OF POWER POLE ON NORTH SIDE OF SR38 +/-260 FEET EAST OF DRIVEWAY FOR HOUSE #3737
Sta. 939+78.6 "A", 25.8' LT.
El. 818.07

DESIGNED	KS	6/26/19
DRAWN	MH	6/26/19
REVIEWED	JR	6/27/20



CONTROL POINT HPS57

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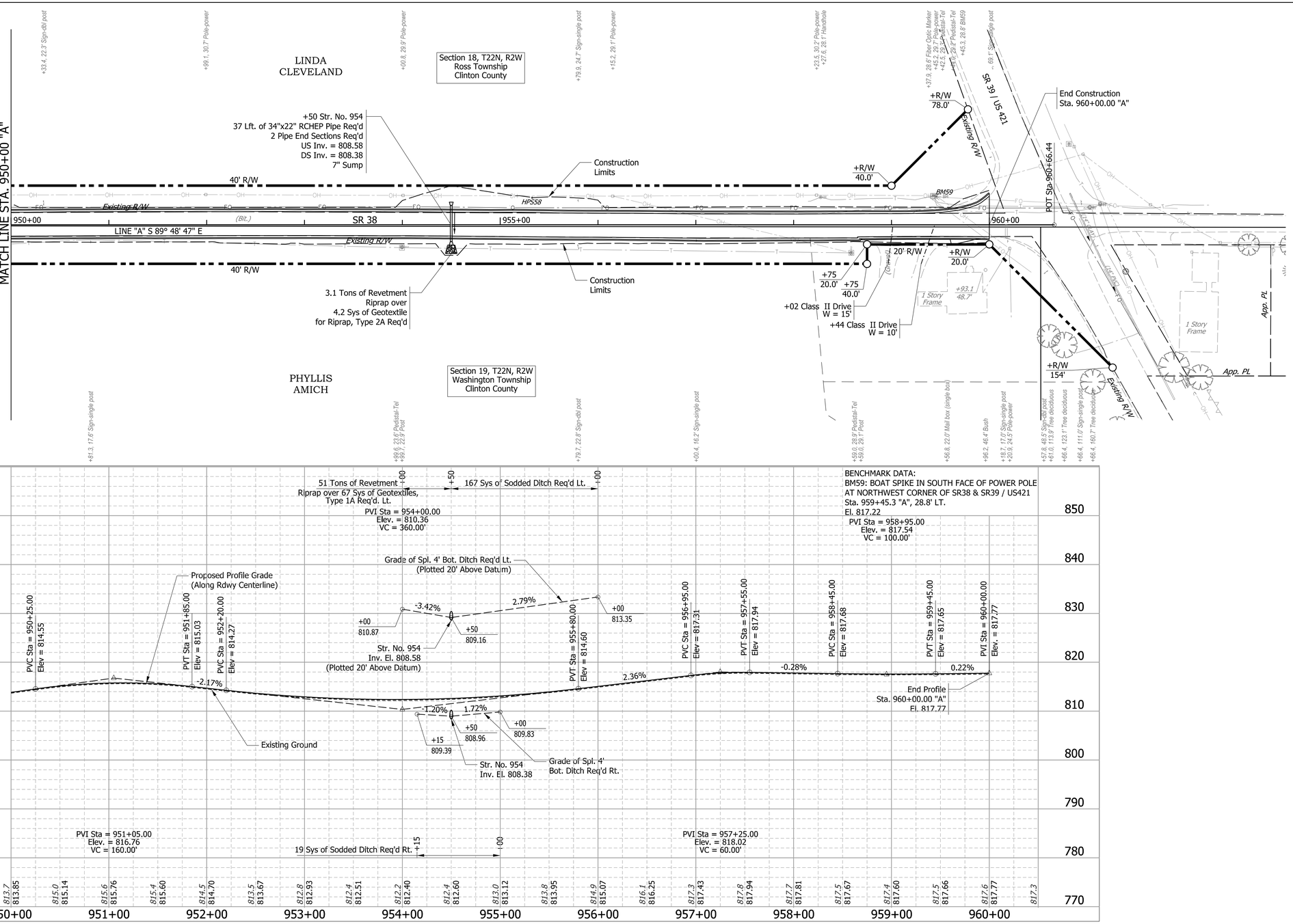
RECOMMENDED FOR APPROVAL
DESIGN ENGINEER — 2/17/2021 — DATE

DESIGNED: KS | DRAWN: MH
CHECKED: JR | CHECKED: KS

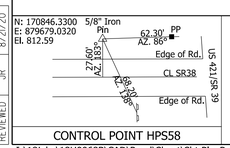
INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
STA. 936+00 "A" TO STA. 950+00 "A"

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50' H 1" = 10' V	1601074
SURVEY BOOK	SHEETS
	87 of 478
CONTRACT	PROJECT
RS-40528	1601074



DESIGNED	KS	6/26/19
DRAWN	MH	6/26/19
REVIEWED	JR	8/21/20



CONTROL POINT HPS58

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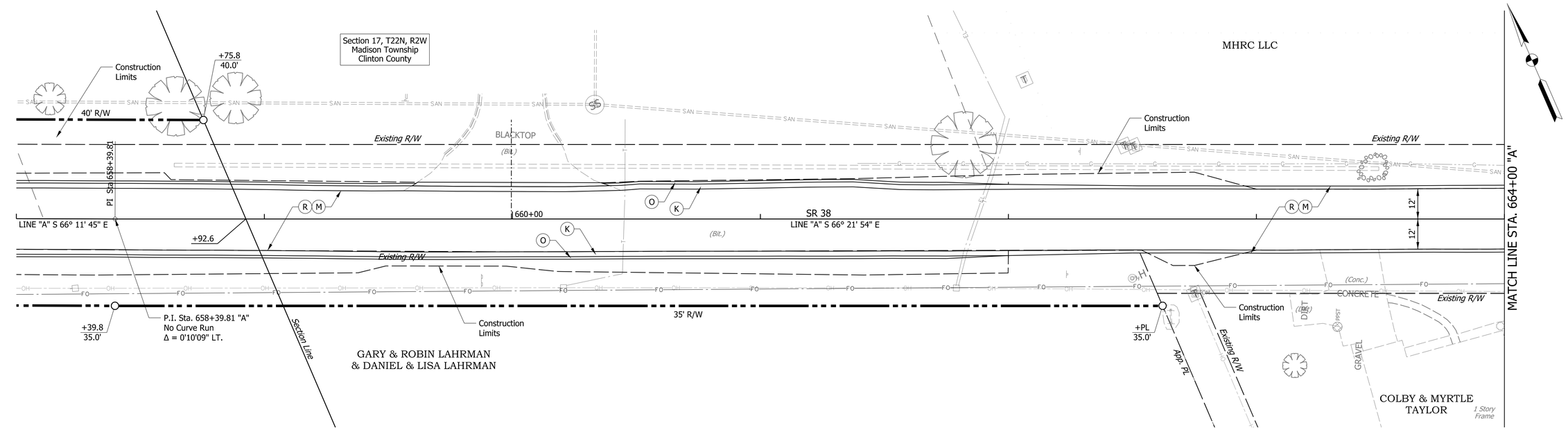
RECOMMENDED FOR APPROVAL
DESIGN ENGINEER — 2/17/2021 — DATE

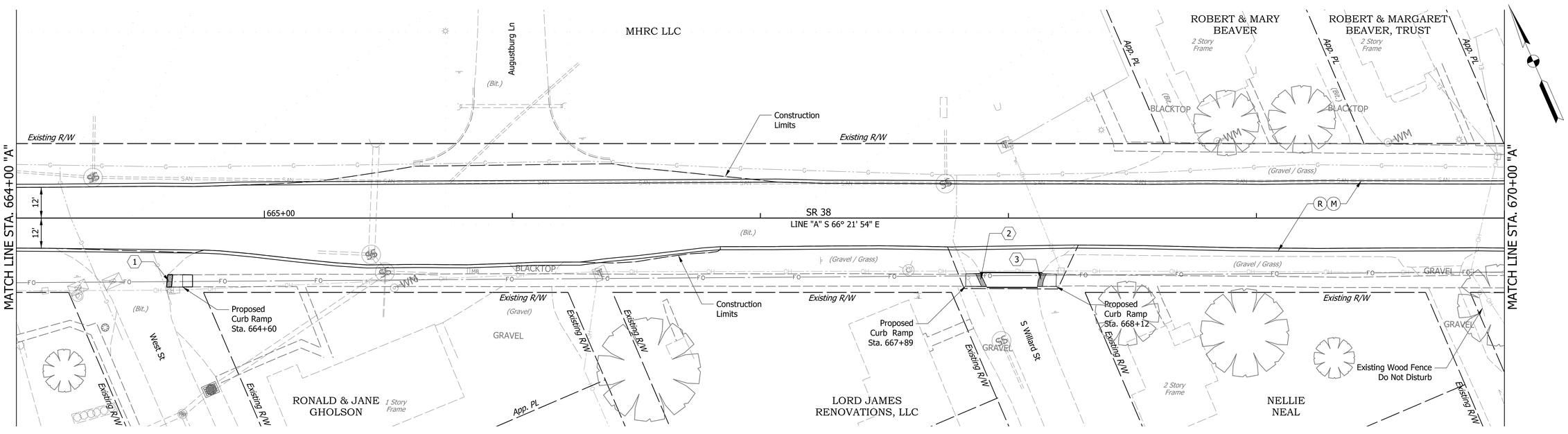
DESIGNED: KS | DRAWN: MH
CHECKED: JR | CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
STA. 950+00 "A" TO STA. 960+50 "A"

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50' H 1" = 10' V	1601074
SURVEY BOOK	SHEETS
	88 of 478
CONTRACT	PROJECT
RS-40528	1601074





LEGEND

- (R) 165 LB/SYD QC/QA HMA, 3, 64, Surface 9.5mm, on
  (M) Milling, Asphalt, 4.0 in.
  Concrete Curb Ramp (See Details)
- (K) 165 LB/SYD QC/QA-HMA, 3, 64, Surface 9.5mm, on
  275 LB/SYD QC/QA-HMA, 2, 64, Intermediate 19mm, on
  330 LB/SYD QC/QA-HMA, 2, 64, Base 19mm, on
  3" Compacted Aggregate Base, No. 53, on
  Subgrade Treatment Type 1C
- (O) Variable Depth Compacted Aggregate, No. 53

RECOMMENDED FOR APPROVAL _____ 2/17/2021
DESIGN ENGINEER DATE

DESIGNED: KS DRAWN: MH
CHECKED: JR CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS - MULBERRY
STA. 658+00 "A" TO STA. 670+00 "A"

	BRIDGE FILE
SCALE	DESIGNATION
1" = 20'	1601074
SURVEY BOOK	SHEETS
	89 of 478
CONTRACT	PROJECT
RS-40528	1601074

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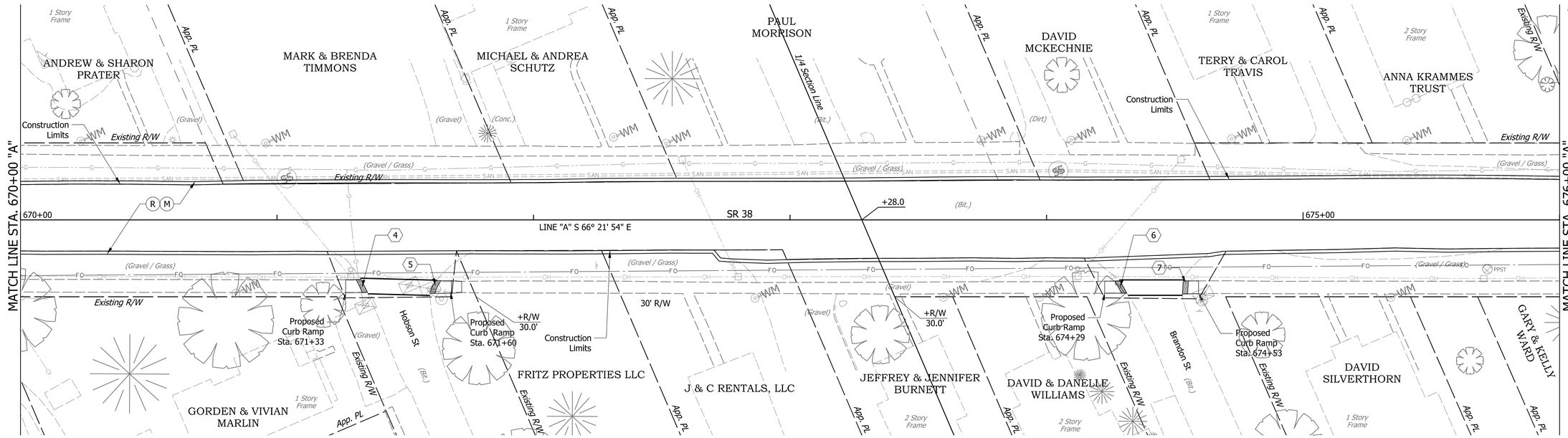

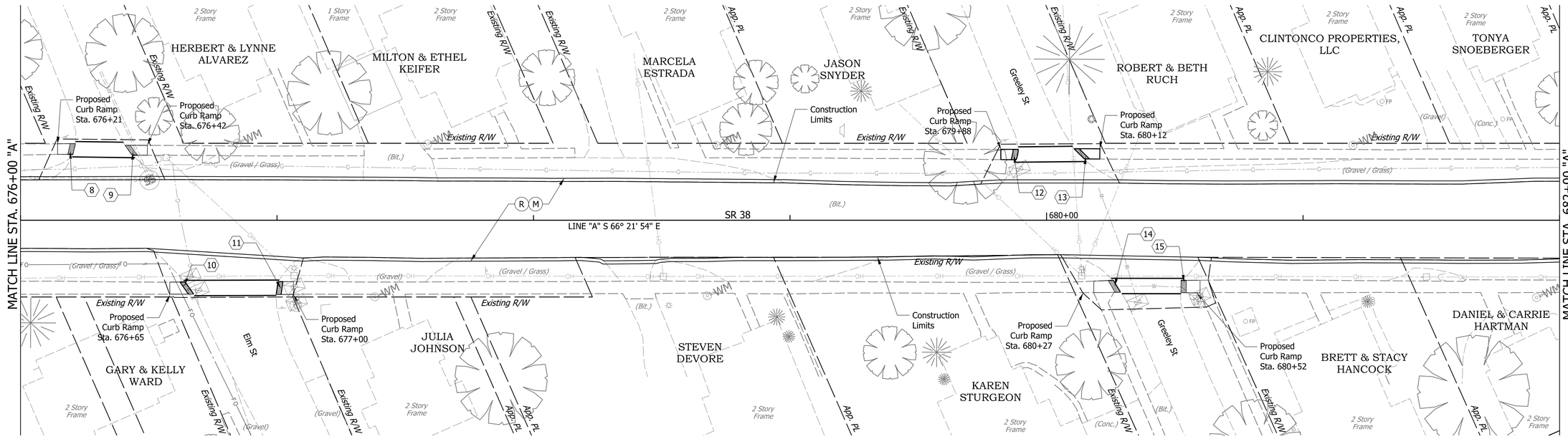

LEGEND

- (R) 165 LB/SYD QC/QA HMA, 3, 64, Surface 9.5mm, on
- (M) Milling, Asphalt, 4.0 in.
- Concrete Curb Ramp (See Details)
- (K) 165 LB/SYD QC/QA-HMA, 3, 64, Surface 9.5mm, on 275 LB/SYD QC/QA-HMA, 2, 64, Intermediate 19mm, on 330 LB/SYD QC/QA-HMA, 2, 64, Base 19mm, on 3" Compacted Aggregate Base, No. 53, on Subgrade Treatment Type 1C
- (O) Variable Depth Compacted Aggregate, No. 53

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 2/11/2021 — DATE

DESIGNED: KS | DRAWN: MH

CHECKED: JR | CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS - MULBERRY
STA. 670+00 "A" TO STA. 682+00 "A"

	BRIDGE FILE
SCALE	DESIGNATION
1" = 20'	1601074
SURVEY BOOK	SHEETS
	90 of 478
CONTRACT	PROJECT
RS-40528	1601074

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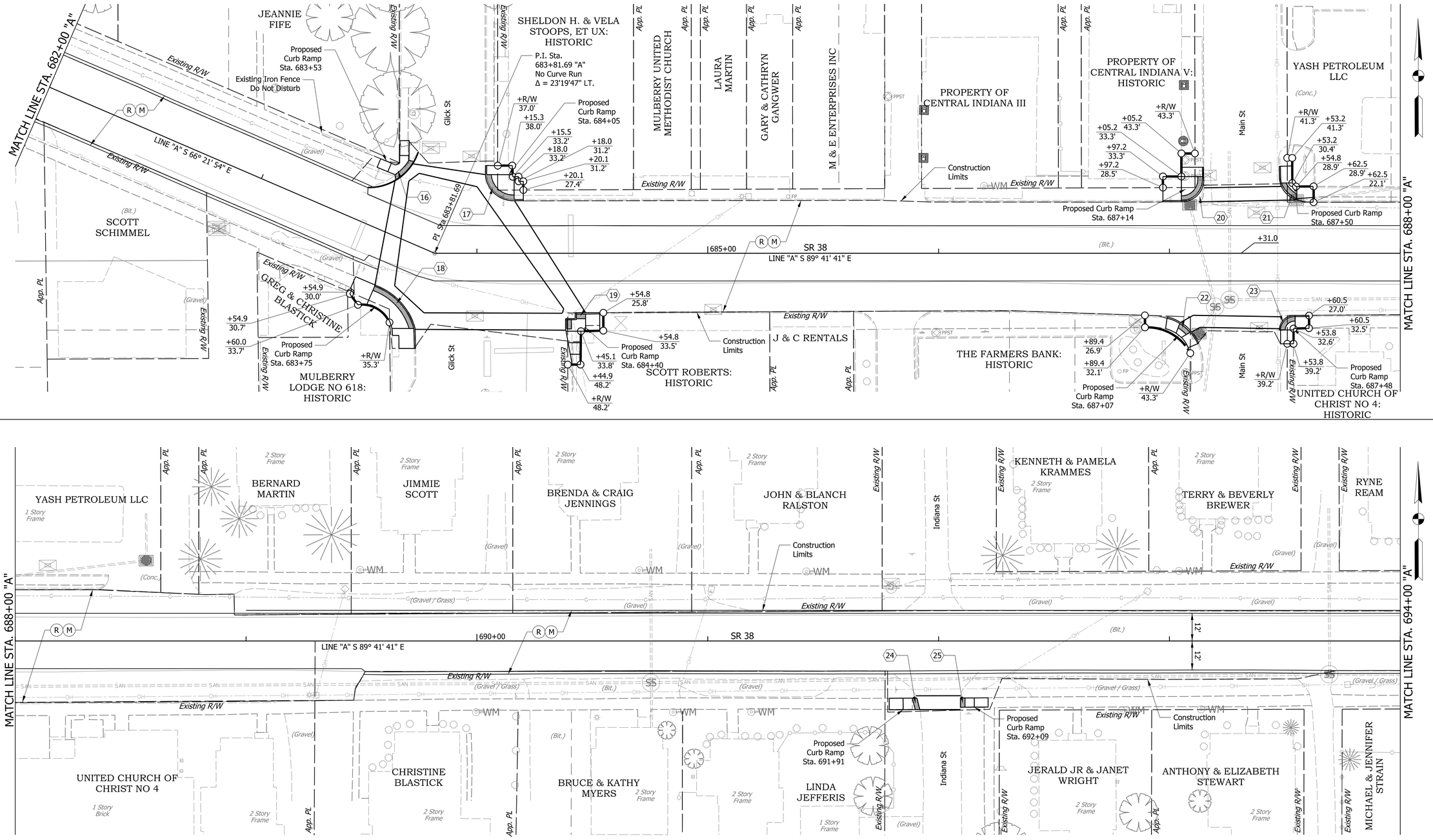

LEGEND

- (R) 165 LB/SYD QC/QA HMA, 3, 64, Surface 9.5mm, on
- (M) Milling, Asphalt, 4.0 in.
- Concrete Curb Ramp (See Details)
- (K) 165 LB/SYD QC/QA-HMA, 3, 64, Surface 9.5mm, on 275 LB/SYD QC/QA-HMA, 2, 64, Intermediate 19mm, on 330 LB/SYD QC/QA-HMA, 2, 64, Base 19mm, on 3" Compacted Aggregate Base, No. 53, on Subgrade Treatment Type 1C
- (O) Variable Depth Compacted Aggregate, No. 53

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 2/11/2021 DATE

DESIGNED: KS | DRAWN: MH | CHECKED: JR | CHECKED: KS

INDIANA DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS - MULBERRY STA. 682+00 "A" TO STA. 694+00 "A"

	BRIDGE FILE
SCALE	DESIGNATION
1" = 20'	1601074
SURVEY BOOK	SHEETS
	91 of 478
CONTRACT	PROJECT
RS-40528	1601074

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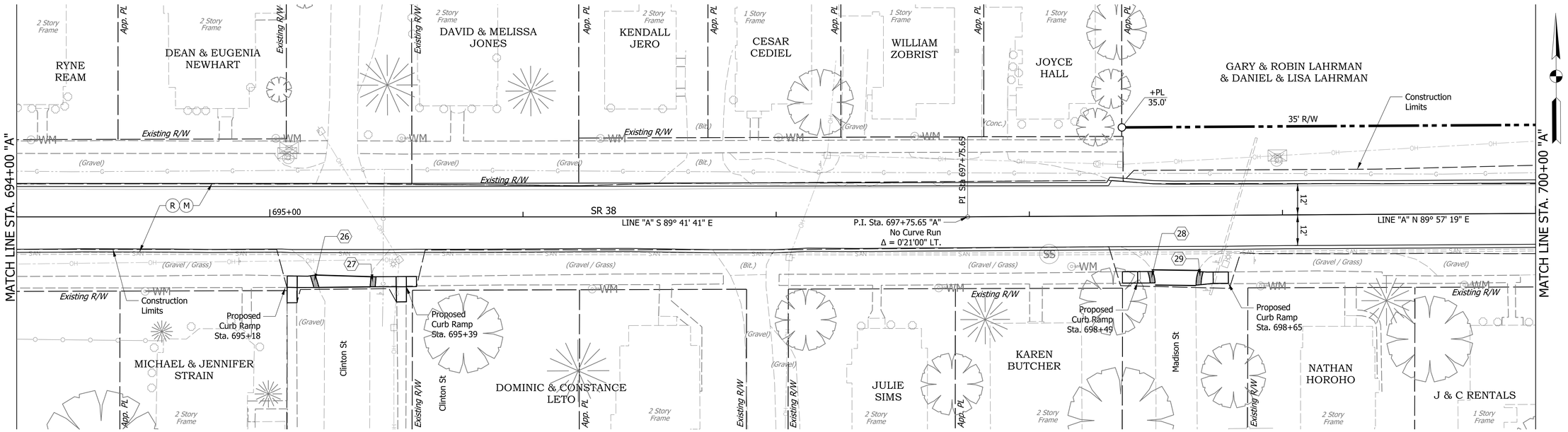

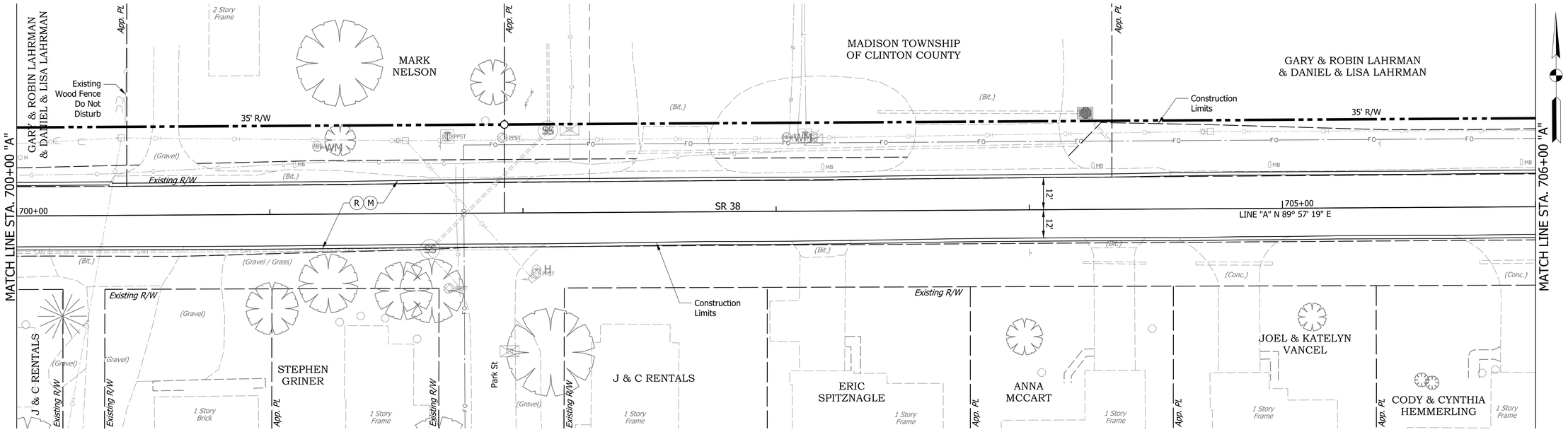

LEGEND

- (R) 165 LB/SYD QC/QA HMA, 3, 64, Surface 9.5mm, on
- (M) Milling, Asphalt, 4.0 in.
- Concrete Curb Ramp (See Details)
- (K) 165 LB/SYD QC/QA-HMA, 3, 64, Surface 9.5mm, on 275 LB/SYD QC/QA-HMA, 2, 64, Intermediate 19mm, on 330 LB/SYD QC/QA-HMA, 2, 64, Base 19mm, on 3" Compacted Aggregate Base, No. 53, on Subgrade Treatment Type 1C
- (O) Variable Depth Compacted Aggregate, No. 53

RECOMMENDED FOR APPROVAL _____ 2/11/2021
DESIGN ENGINEER DATE

DESIGNED: KS | DRAWN: MH
CHECKED: JR | CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS - MULBERRY
STA. 694+00 "A" TO STA. 706+00 "A"

	BRIDGE FILE
SCALE	DESIGNATION
1" = 20'	1601074
SURVEY BOOK	SHEETS
	92 of 478
CONTRACT	PROJECT
RS-40528	1601074

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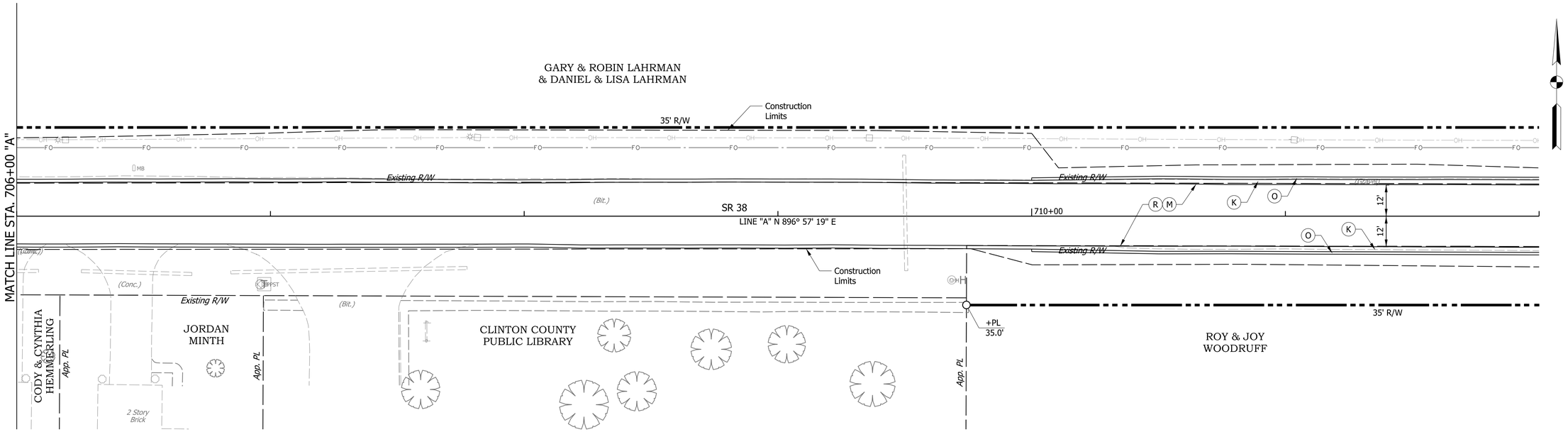

LEGEND

- (R) 165 LB/SYD QC/QA HMA, 3, 64, Surface 9.5mm, on
- (M) Milling, Asphalt, 4.0 in.
- ⬡ Concrete Curb Ramp (See Details)
- (K) 165 LB/SYD QC/QA-HMA, 3, 64, Surface 9.5mm, on 275 LB/SYD QC/QA-HMA, 2, 64, Intermediate 19mm, on 330 LB/SYD QC/QA-HMA, 2, 64, Base 19mm, on 3" Compacted Aggregate Base, No. 53, on Subgrade Treatment Type 1C
- (O) Variable Depth Compacted Aggregate, No. 53

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 2/17/2021 DATE

DESIGNED: KS | DRAWN: MH

CHECKED: JR | CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS - MULBERRY
STA. 706+00 "A" TO STA. 712+00 "A"

	BRIDGE FILE
SCALE	DESIGNATION
1" = 20'	1601074
SURVEY BOOK	SHEETS
	93 of 478
CONTRACT	PROJECT
RS-40528	1601074

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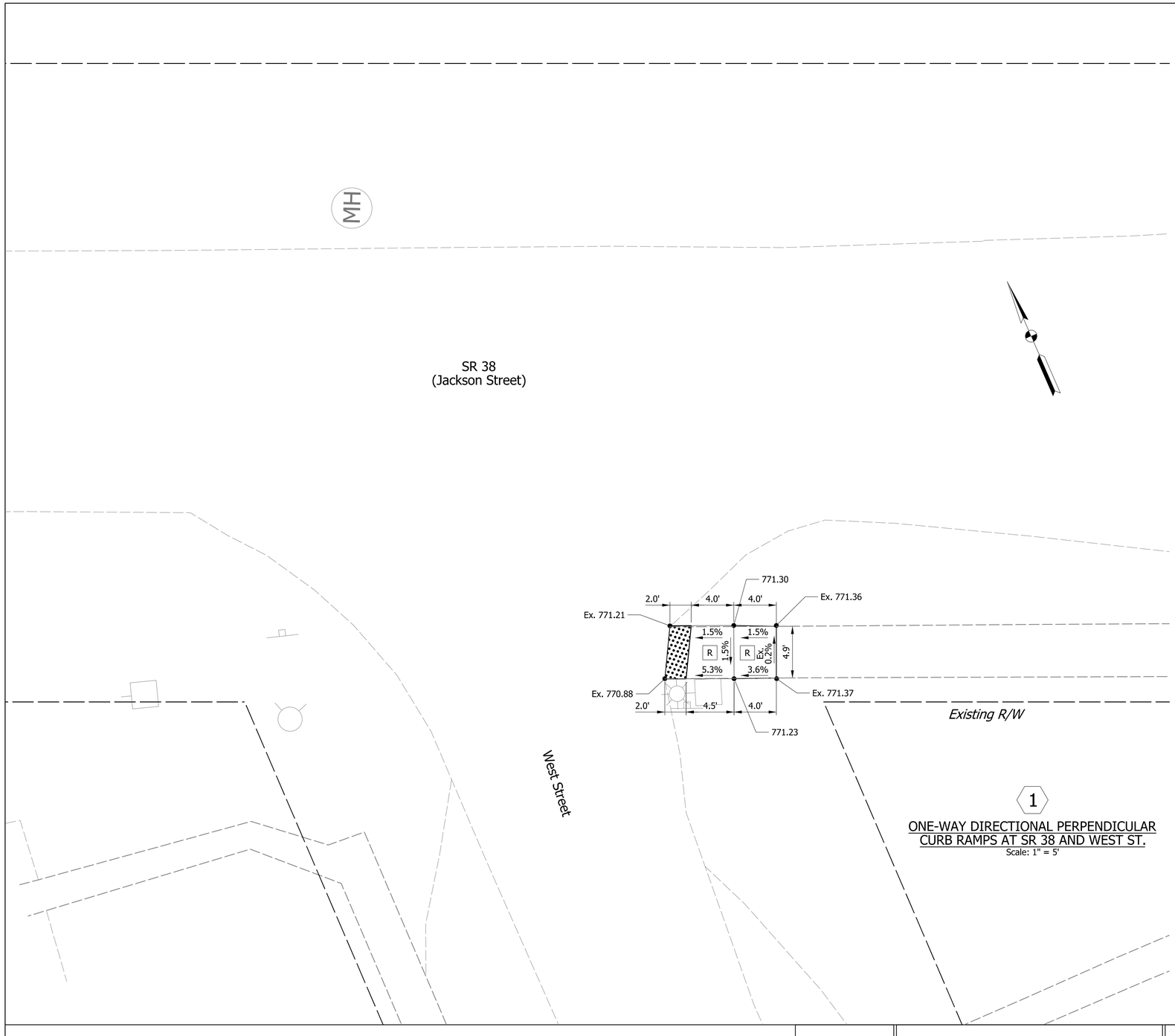

1

ONE-WAY DIRECTIONAL PERPENDICULAR CURB RAMPS AT SR 38 AND WEST ST.

Scale: 1" = 5'

LEGEND

- Buffer or Other Non-Walkable Surface
- Detectable Warning Surface
- R Ramp
- TS Turning Space
- CS Clear Space
- PC Pedestrian Clear Space
- FS Flared Side
- F Sidewalk
- 14 Return Curb
- x.x% Proposed or Existing Slopes
- Proposed or Existing Elevations
- Ex. Existing Slope or Elevation
- T.C. Top of Curb
- B.C. Bottom of Curb

RECOMMENDED FOR APPROVAL _____ 2/17/2021
DESIGN ENGINEER DATE

DESIGNED: KS DRAWN: MH

CHECKED: JR CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
ADA SIDEWALK RAMPS

	BRIDGE FILE
SCALE	DESIGNATION
1" = 2'	1601074
SURVEY BOOK	SHEETS
	94 of 478
CONTRACT	PROJECT
RS-40528	1601074

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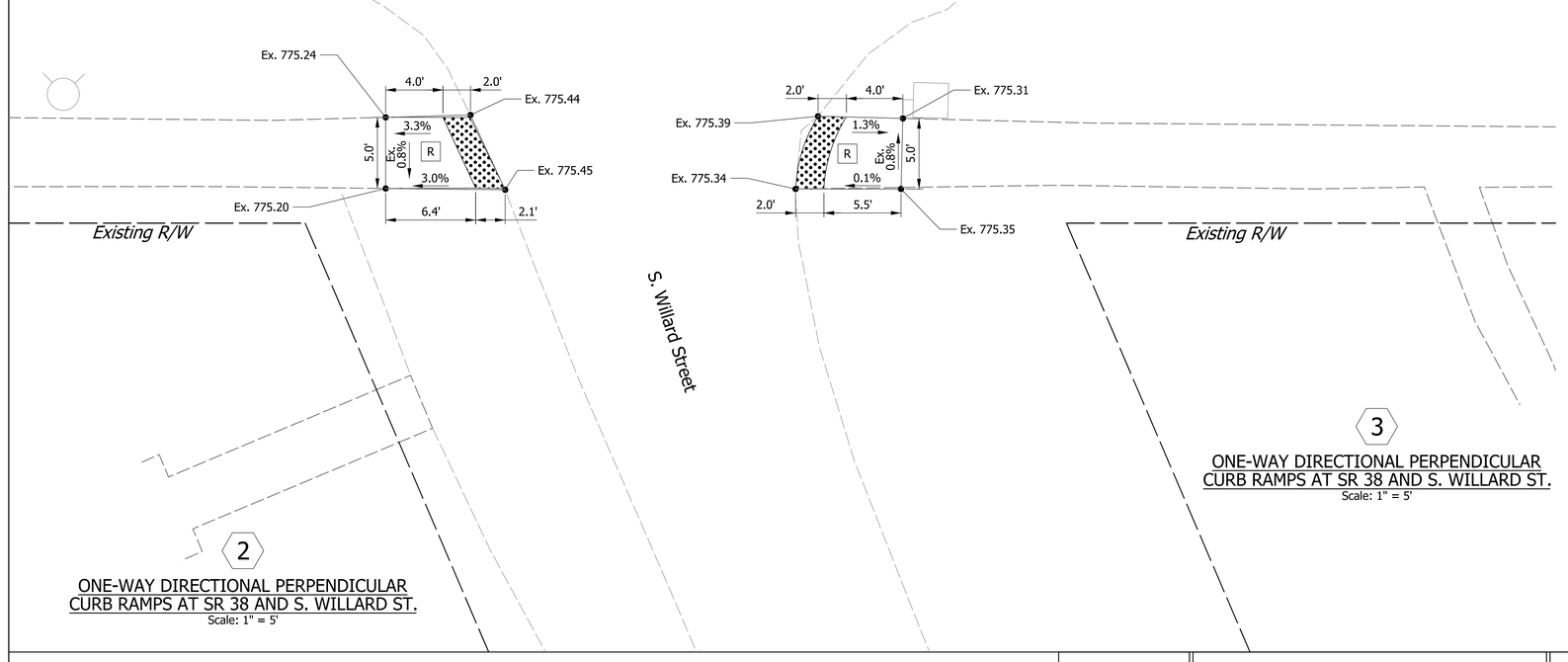
SR 38
(Jackson Street)



2

ONE-WAY DIRECTIONAL PERPENDICULAR
CURB RAMPS AT SR 38 AND S. WILLARD ST.
Scale: 1" = 5'

3

ONE-WAY DIRECTIONAL PERPENDICULAR
CURB RAMPS AT SR 38 AND S. WILLARD ST.
Scale: 1" = 5'

LEGEND

- Buffer or Other Non-Walkable Surface
- Detectable Warning Surface
- R Ramp
- TS Turning Space
- CS Clear Space
- PC Pedestrian Clear Space
- FS Flared Side
- F Sidewalk
- 14 Return Curb
- x.x% Proposed or Existing Slopes
- Proposed or Existing Elevations
- Ex. Existing Slope or Elevation
- T.C. Top of Curb
- B.C. Bottom of Curb

RECOMMENDED FOR APPROVAL _____ 2/17/2021
DESIGN ENGINEER DATE

DESIGNED: KS DRAWN: MH
CHECKED: JR CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
ADA SIDEWALK RAMPS

	BRIDGE FILE
SCALE	DESIGNATION
1" = 2'	1601074
SURVEY BOOK	SHEETS
	95 of 478
CONTRACT	PROJECT
RS-40528	1601074

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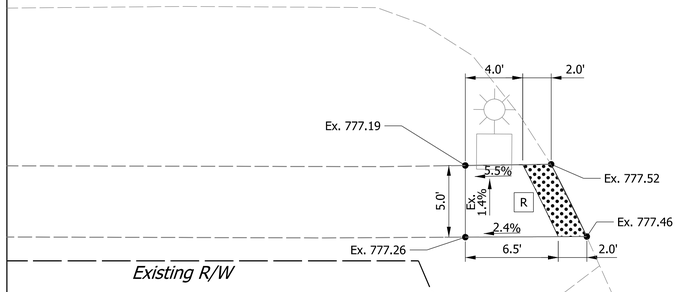
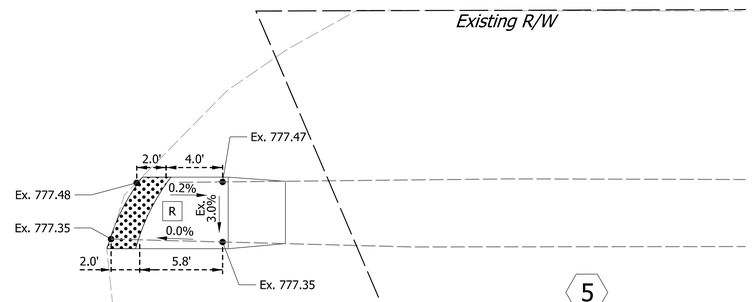
SR 38
(Jackson Street)



4

ONE-WAY DIRECTIONAL PERPENDICULAR
CURB RAMPS AT SR 38 AND HOBSON ST.
Scale: 1" = 5'

Hobson Street



5

ONE-WAY DIRECTIONAL PERPENDICULAR
CURB RAMPS AT SR 38 AND HOBSON ST.
Scale: 1" = 5'

LEGEND

- Buffer or Other Non-Walkable Surface
- Detectable Warning Surface
- R Ramp
- TS Turning Space
- CS Clear Space
- PC Pedestrian Clear Space
- FS Flared Side
- F Sidewalk
- 14 Return Curb
- x.x% Proposed or Existing Slopes
- Proposed or Existing Elevations
- Ex. Existing Slope or Elevation
- T.C. Top of Curb
- B.C. Bottom of Curb

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER — DATE: 2/17/2021

DESIGNED: KS | DRAWN: MH
CHECKED: JR | CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
ADA SIDEWALK RAMPS

	BRIDGE FILE
SCALE	DESIGNATION
1" = 2'	1601074
SURVEY BOOK	SHEETS
	96 of 478
CONTRACT	PROJECT
RS-40528	1601074

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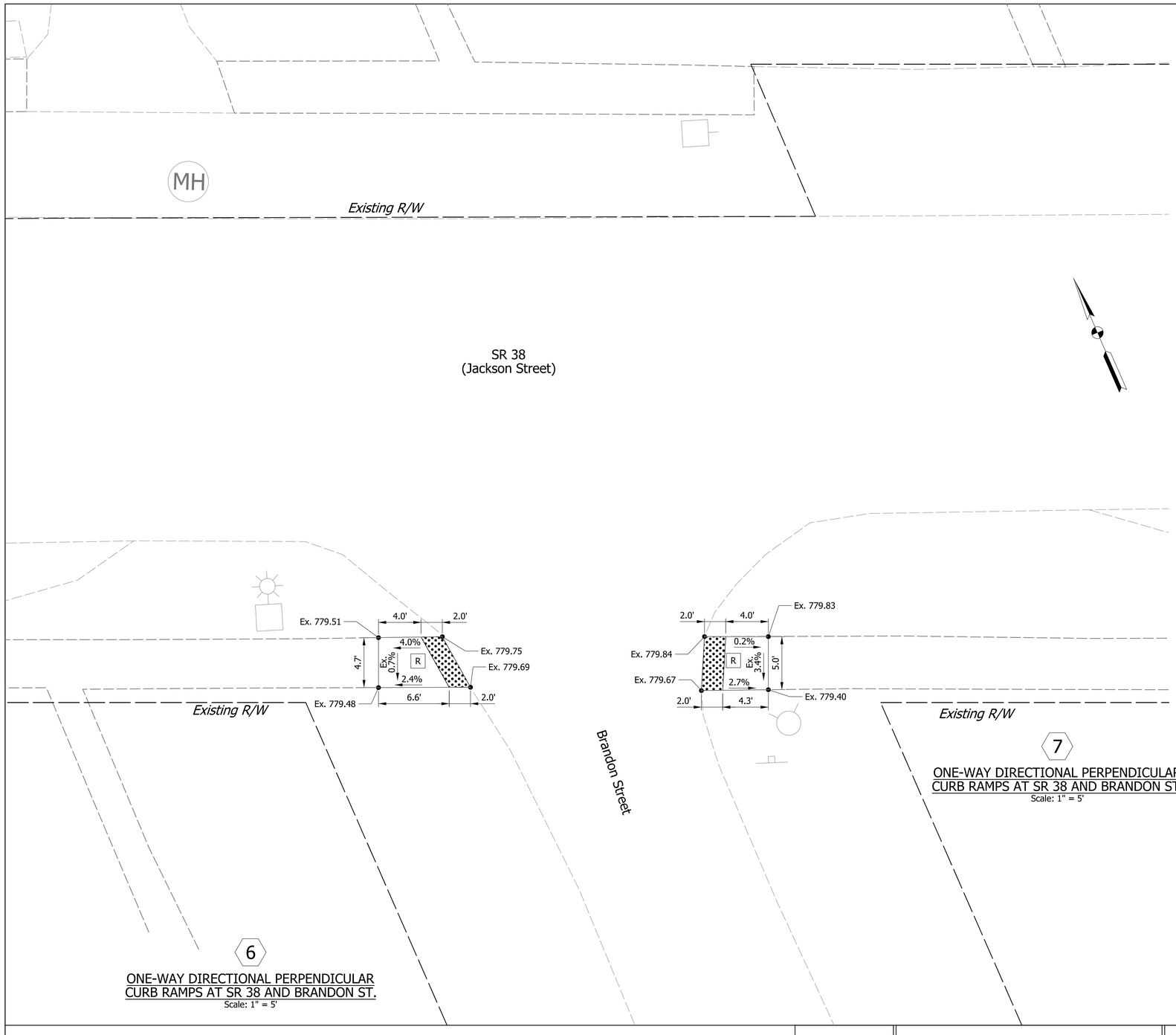

6

ONE-WAY DIRECTIONAL PERPENDICULAR CURB RAMPS AT SR 38 AND BRANDON ST.

Scale: 1" = 5'

7

ONE-WAY DIRECTIONAL PERPENDICULAR CURB RAMPS AT SR 38 AND BRANDON ST.

Scale: 1" = 5'

LEGEND

- Buffer or Other Non-Walkable Surface
- Detectable Warning Surface
- R Ramp
- TS Turning Space
- CS Clear Space
- PC Pedestrian Clear Space
- FS Flared Side
- F Sidewalk
- 14 Return Curb
- x.x% Proposed or Existing Slopes
- Proposed or Existing Elevations
- Ex. Existing Slope or Elevation
- T.C. Top of Curb
- B.C. Bottom of Curb

RECOMMENDED FOR APPROVAL _____ 2/11/2021
DESIGN ENGINEER DATE

DESIGNED: KS DRAWN: MH

CHECKED: JR CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
ADA SIDEWALK RAMPS

	BRIDGE FILE
SCALE	DESIGNATION
1" = 2'	1601074
SURVEY BOOK	SHEETS
	97 of 478
CONTRACT	PROJECT
RS-40528	1601074

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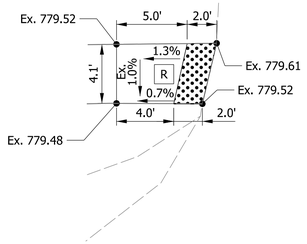
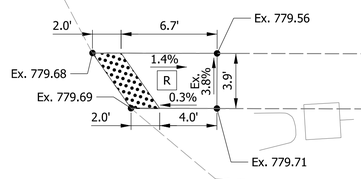


8

ONE-WAY DIRECTIONAL PERPENDICULAR CURB RAMPS AT SR 38 AND ELM ST.
Scale: 1" = 5'

Elm Street



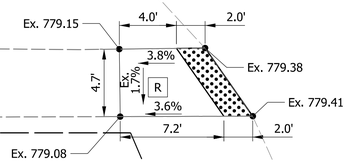
9

ONE-WAY DIRECTIONAL PERPENDICULAR CURB RAMPS AT SR 38 AND ELM ST.
Scale: 1" = 5'

Existing R/W

MH

SR 38
(Jackson Street)

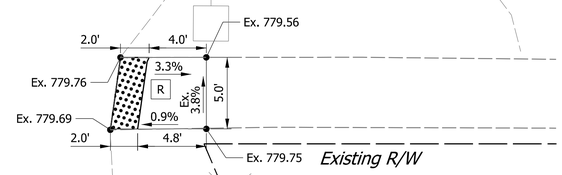


Existing R/W

10

ONE-WAY DIRECTIONAL PERPENDICULAR CURB RAMPS AT SR 38 AND ELM ST.
Scale: 1" = 5'

Elm Street



Existing R/W

11

ONE-WAY DIRECTIONAL PERPENDICULAR CURB RAMPS AT SR 38 AND ELM ST.
Scale: 1" = 5'

LEGEND

- Buffer or Other Non-Walkable Surface
- Detectable Warning Surface
- R Ramp
- TS Turning Space
- CS Clear Space
- PC Pedestrian Clear Space
- FS Flared Side
- F Sidewalk
- 14 Return Curb
- x.x% Proposed or Existing Slopes
- Proposed or Existing Elevations
- Ex. Existing Slope or Elevation
- T.C. Top of Curb
- B.C. Bottom of Curb

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER — 2/17/2021 DATE

DESIGNED: KS | DRAWN: MH
CHECKED: JR | CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
ADA SIDEWALK RAMPS

	BRIDGE FILE
SCALE	DESIGNATION
1" = 2'	1601074
SURVEY BOOK	SHEETS
	98 of 478
CONTRACT	PROJECT
RS-40528	1601074

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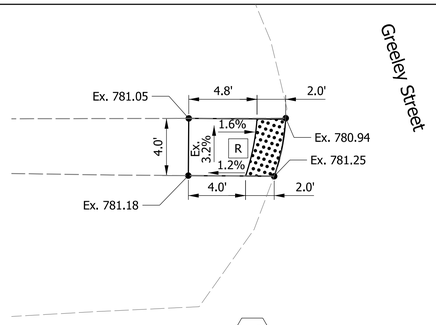
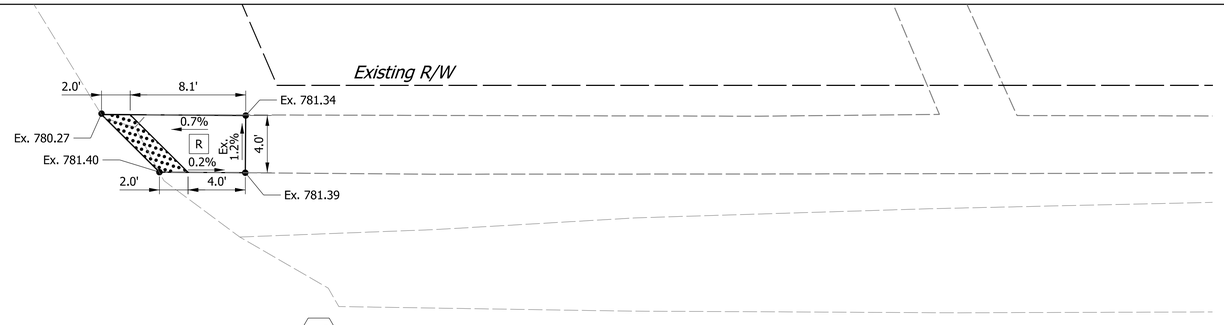


12

ONE-WAY DIRECTIONAL PERPENDICULAR CURB RAMPS AT SR 38 AND GREELEY ST.

Scale: 1" = 5'

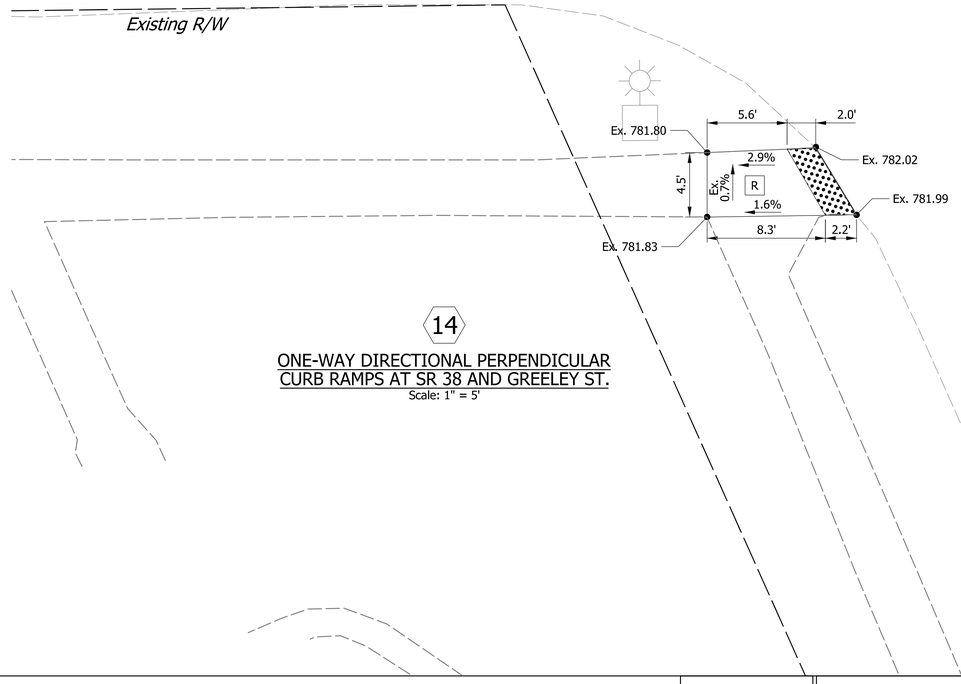


13

ONE-WAY DIRECTIONAL PERPENDICULAR CURB RAMPS AT SR 38 AND GREELEY ST.

Scale: 1" = 5'

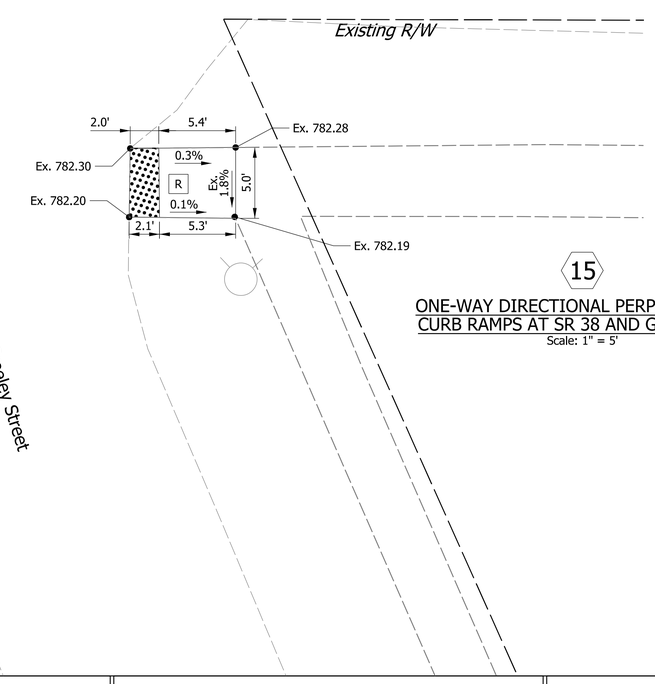
SR 38
(Jackson Street)



14

ONE-WAY DIRECTIONAL PERPENDICULAR CURB RAMPS AT SR 38 AND GREELEY ST.

Scale: 1" = 5'



15

ONE-WAY DIRECTIONAL PERPENDICULAR CURB RAMPS AT SR 38 AND GREELEY ST.

Scale: 1" = 5'

Greeley Street

LEGEND

- Buffer or Other Non-Walkable Surface
- Detectable Warning Surface
- R — Ramp
- TS — Turning Space
- CS — Clear Space
- PC — Pedestrian Clear Space
- FS — Flared Side
- F — Sidewalk
- 14 — Return Curb
- x.x% — Proposed or Existing Slopes
- Proposed or Existing Elevations
- Ex. — Existing Slope or Elevation
- T.C. — Top of Curb
- B.C. — Bottom of Curb

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 2/17/2021 — DATE

DESIGNED: KS | DRAWN: MH

CHECKED: JR | CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
ADA SIDEWALK RAMPS

	BRIDGE FILE
SCALE	DESIGNATION
1" = 2'	1601074
SURVEY BOOK	SHEETS
	99 of 478
CONTRACT	PROJECT
RS-40528	1601074

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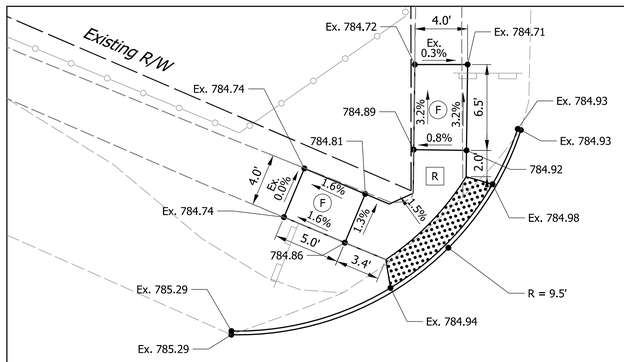
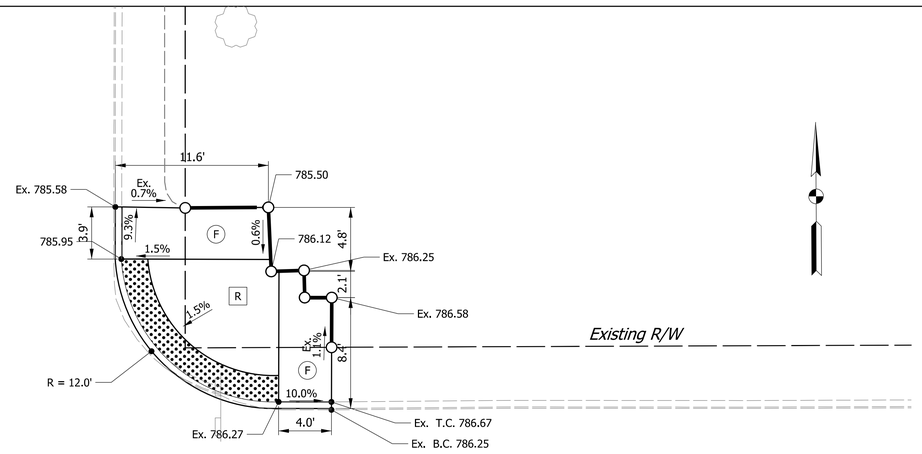


16

BLENDED TRANSITION
CURB RAMPS AT SR 38 AND GLICK ST.
Scale: 1" = 5'

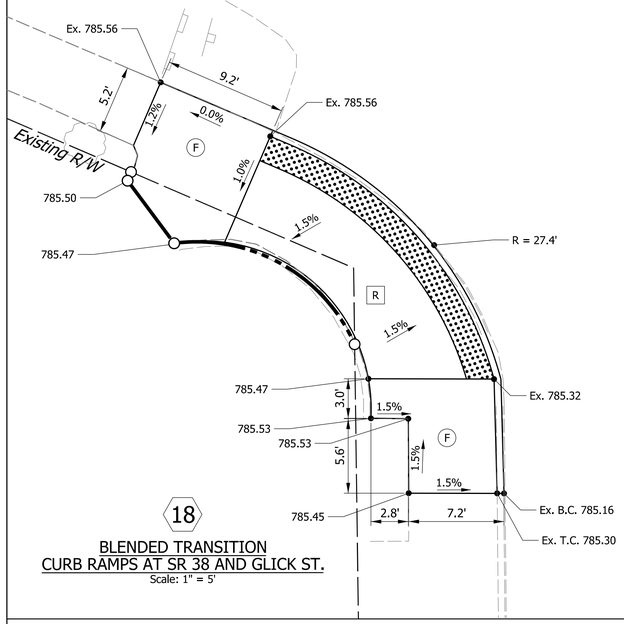
Glick Street



17

BLENDED TRANSITION
CURB RAMPS AT SR 38 AND GLICK ST.
Scale: 1" = 5'

SR 38
(Jackson Street)



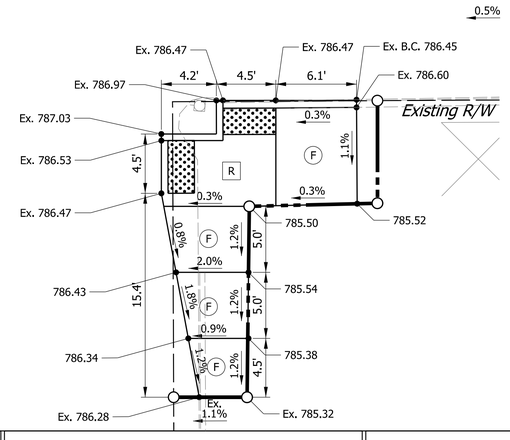
18

BLENDED TRANSITION
CURB RAMPS AT SR 38 AND GLICK ST.
Scale: 1" = 5'

Glick Street/
Jefferson Road

19

BLENDED TRANSITION
CURB RAMPS AT SR 38 AND GLICK ST.
Scale: 1" = 5'



LEGEND

- Buffer or Other Non-Walkable Surface
- Detectable Warning Surface
- R Ramp
- TS Turning Space
- CS Clear Space
- PC Pedestrian Clear Space
- FS Flared Side
- F Sidewalk
- 14 Return Curb
- x.x% → Proposed or Existing Slopes
- ● Proposed or Existing Elevations
- Ex. Existing Slope or Elevation
- T.C. Top of Curb
- B.C. Bottom of Curb

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	2/11/2021 DATE
DESIGNED: KS	DRAWN: MH
CHECKED: JR	CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
ADA SIDEWALK RAMPS

	BRIDGE FILE
SCALE	DESIGNATION
1" = 2'	1601074
SURVEY BOOK	SHEETS
	100 of 478
CONTRACT	PROJECT
RS-40528	1601074

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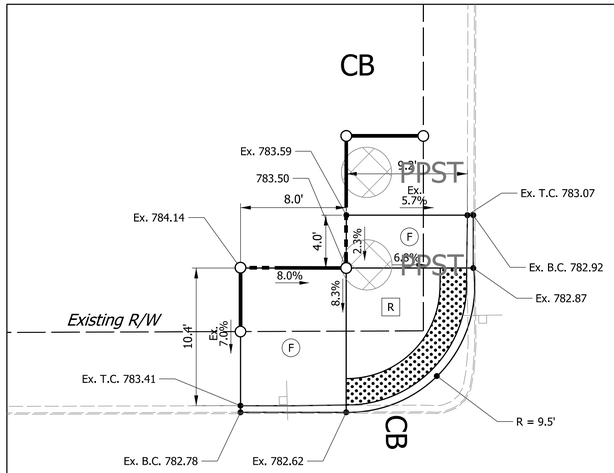
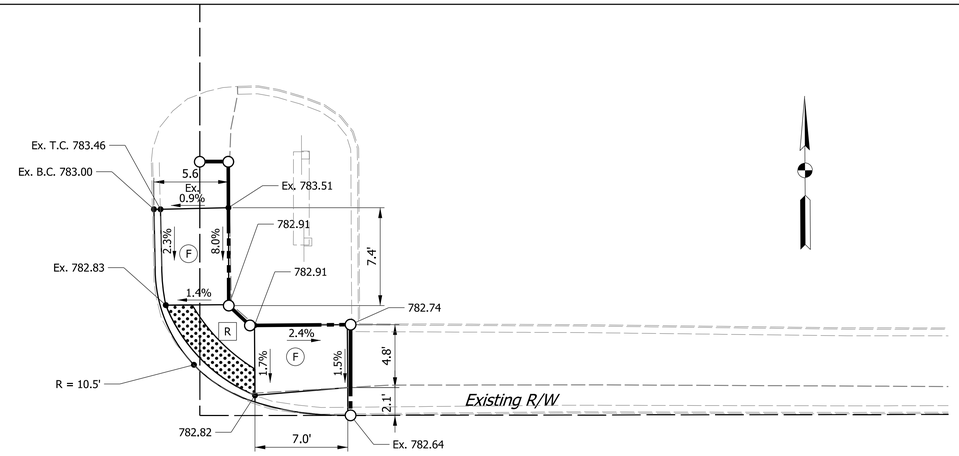


20

BLENDED TRANSITION
CURB RAMPS AT SR 38 AND MAIN ST.
Scale: 1" = 5'

Main Street



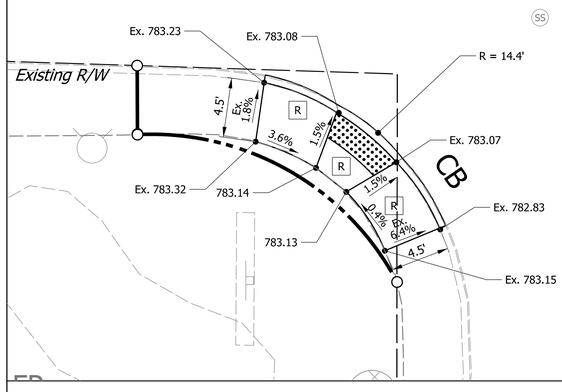
21

BLENDED TRANSITION
CURB RAMPS AT SR 38 AND MAIN ST.
Scale: 1" = 5'

SR 38
(Jackson Street)

22

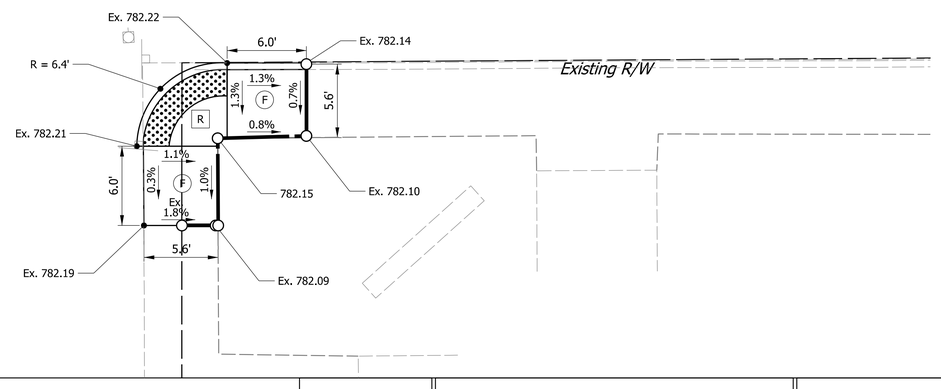
BLENDED TRANSITION
CURB RAMPS AT SR 38 AND MAIN ST.
Scale: 1" = 5'



Main St.

23

BLENDED TRANSITION
CURB RAMPS AT SR 38 AND MAIN ST.
Scale: 1" = 5'



LEGEND

- Buffer or Other Non-Walkable Surface
- Detectable Warning Surface
- R Ramp
- TS Turning Space
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- PC Pedestrian Clear Space
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- F Sidewalk
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- T.C. Top of Curb
- B.C. Bottom of Curb

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER	2/11/2021 DATE
DESIGNED: KS	DRAWN: MH
CHECKED: JR	CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
ADA SIDEWALK RAMPS

	BRIDGE FILE
SCALE	DESIGNATION
1" = 2'	1601074
SURVEY BOOK	SHEETS
	101 of 478
CONTRACT	PROJECT
RS-40528	1601074

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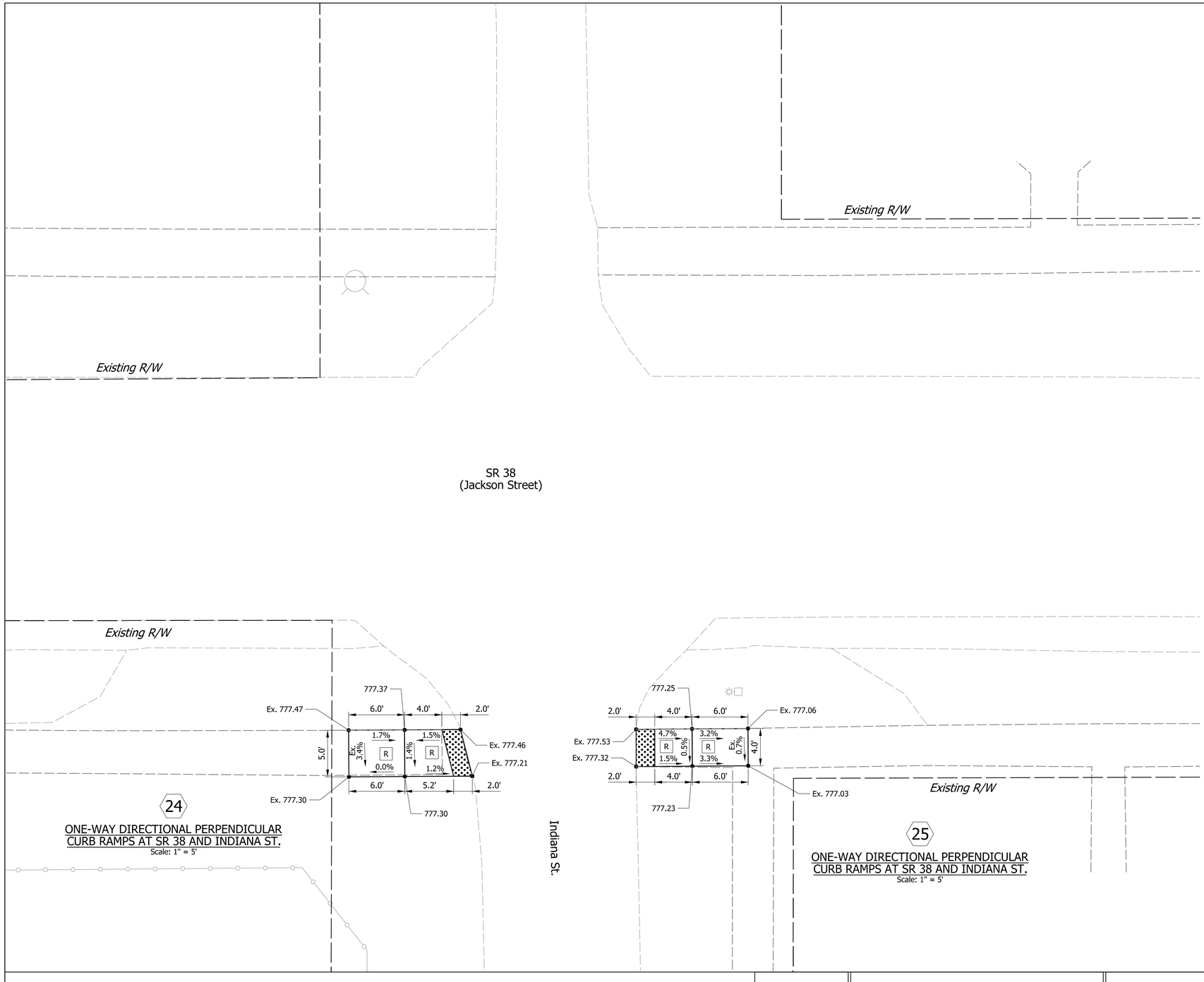

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER — 2/11/2021 — DATE

DESIGNED: KS | DRAWN: MH
CHECKED: JR | CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
ADA SIDEWALK RAMPS

	BRIDGE FILE
SCALE	DESIGNATION
1" = 2'	1601074
SURVEY BOOK	SHEETS
	102 of 478
CONTRACT	PROJECT
RS-40528	1601074

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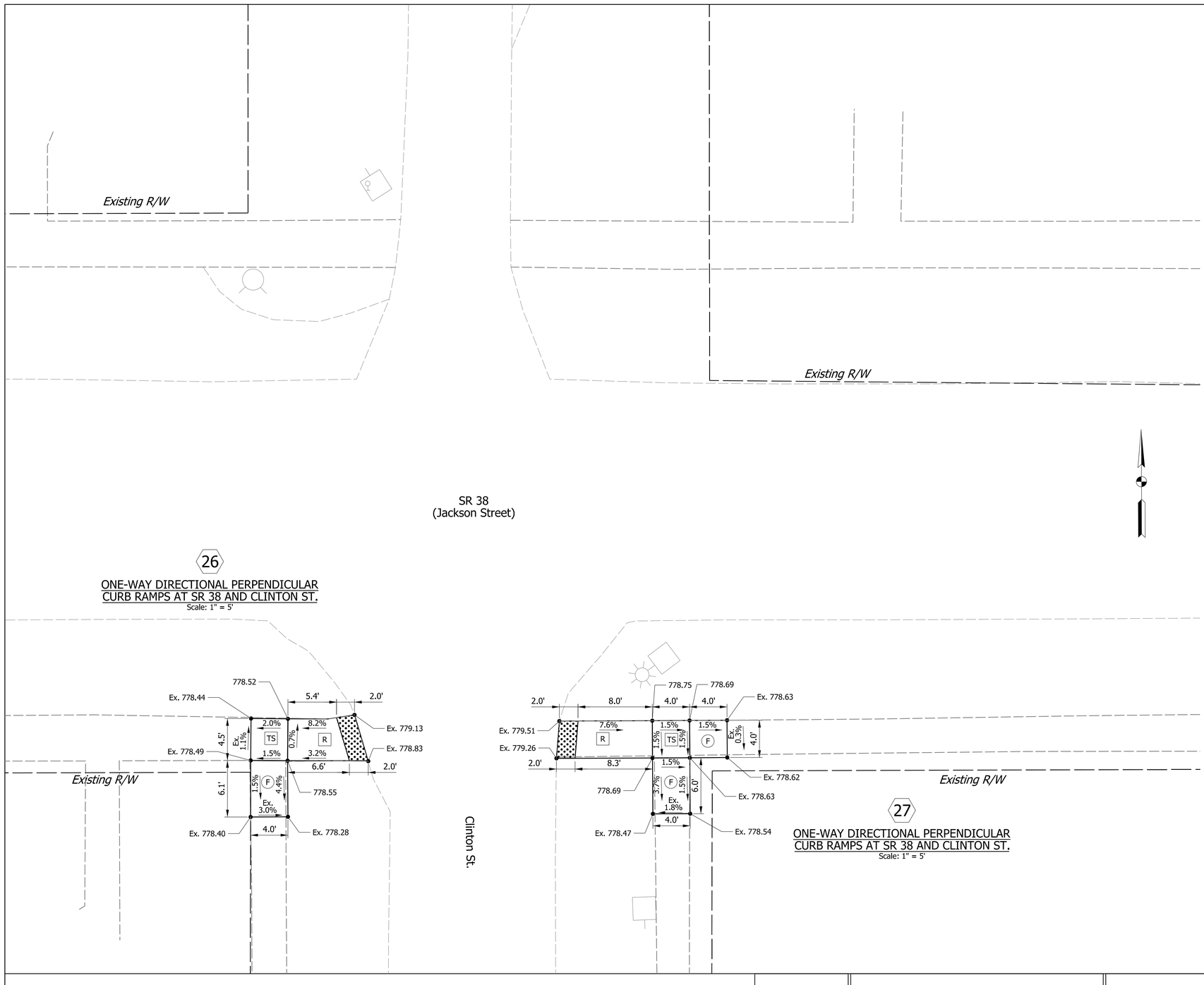

LEGEND

- Buffer or Other Non-Walkable Surface
- Detectable Warning Surface
- R Ramp
- TS Turning Space
- CS Clear Space
- PC Pedestrian Clear Space
- FS Flared Side
- F Sidewalk
- 14 Return Curb
- x.x% Proposed or Existing Slopes
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- T.C. Top of Curb
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RECOMMENDED FOR APPROVAL
DESIGN ENGINEER — 2/11/2021 — DATE

DESIGNED: KS | DRAWN: MH
CHECKED: JR | CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
ADA SIDEWALK RAMPS

	BRIDGE FILE
SCALE	DESIGNATION
1" = 2'	1601074
SURVEY BOOK	SHEETS
	103 of 478
CONTRACT	PROJECT
RS-40528	1601074

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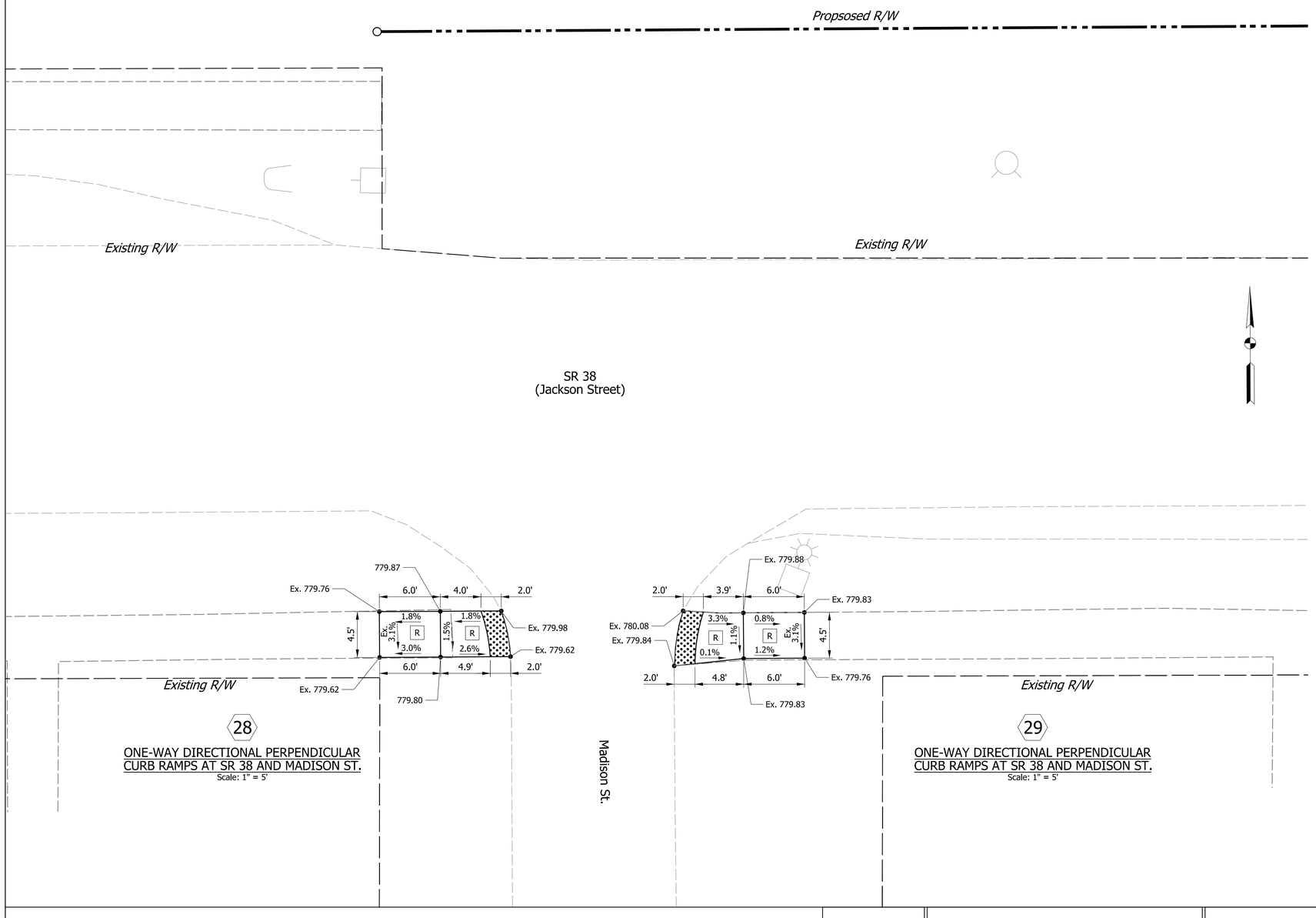

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER — 2/17/2021 — DATE

DESIGNED: KS | DRAWN: MH
CHECKED: JR | CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS
ADA SIDEWALK RAMPS

	BRIDGE FILE
SCALE	DESIGNATION
1" = 2'	1601074
SURVEY BOOK	SHEETS
	104 of 478
CONTRACT	PROJECT
RS-40528	1601074

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TEMPORARY EROSION CONTROL TABLE

STATION	STATION	LT/RT	SPACING (FT)	ROCK CHECK DAM	TEMP CHECK DAM	GRAVEL RING	INLET PROTECTION	TEMPORARY SEEDING (LBS)	FERTILIZER (LBS)	PUMP AROUND	NO. 2 STONE (TON)	TEMPORARY GEOTEXTILE (SYS)
392+08	403+70	LT						11	31			
392+08	403+70	RT						27	73			
393+12	393+62										73	146
401+50		RT				1						
402+40		RT				1						
478+98	509+98	LT						114	305			
480+10	510+36	RT						115	308			
481+00	481+50										102	203
494+46		LT				1						
494+36	494+46	RT	10		1							
494+48	495+75	RT	195		1							
496+15		RT				1						
500+63		LT				1						
503+27		LT				1						
504+00		LT				1						
504+86		RT				1						
506+55	507+00	RT	10		3	1						
506+62	508+50	LT	30		6	1						
509+00	509+50	LT	10		3	1						
510+16	550+47	LT						86	228			
510+62	555+25	RT						167	444			
514+23										1		
515+10		LT				1						
519+70	524+15	RT	30		12	1						
524+59	527+00	RT	40		4	1						
534+78		RT				1						
538+50		LT				1						
539+45	540+10	LT	65		2	1						
540+00	543+60	RT	60		7							
544+50	548+50	RT		5								
549+20		RT			1							
550+38	592+00	RT						136	362			
550+65	591+70	LT						112	299			
558+50	558+85	LT	10		2	1						
559+75	560+80	RT	20		3	1						
561+40	563+00	LT										
562+04		RT				1						
572+00	573+23	RT	30		3	1						
573+23	574+00	RT	20		3							
573+50	574+00	LT	50		2							
574+85	575+50	LT	30		1	1						
582+00	582+73	LT	20		1	1						
582+73	586+12	LT	75		4							
582+73	583+50	RT	30		1							
586+40	589+28	LT	50		4	1						
589+28	590+70	LT	30		3	1						
590+54	591+50	RT	30		1							
590+54		RT				1						
591+65		LT				1						
591+93	662+95	LT						215	575			
592+10	662+00	RT						237	631			
592+38		LT				1						
593+15		LT	50		1							
593+00	593+86	RT	25		2	1						
593+86	594+50	LT	50		2							
593+86	595+00	RT	50		2							
598+25	601+25	LT	75		5							
600+80	601+70	RT	45		2	1						
601+55	604+75	LT	65		6							
606+40		LT			1							
608+10	609+50	RT	30		2	1						
609+50	611+00	RT	100		1							
629+00	629+90	RT	25		2	1						
629+00	630+00	LT	25		2	1						
630+44	633+66	LT	45		6							
633+66	634+50	RT	25		1							
633+66	635+75	LT	20		7							
634+66										1		
644+30		LT				1						
644+80	647+04	LT	150		1	1						
646+00	647+00	RT	20									
647+04	650+50	LT	120		1							
647+00	648+50	RT	20		4							
651+00	652+00	LT	20		3	1						
656+20		LT				1						
661+50	662+00										69	138
704+15	747+69	LT						133	354			
710+00	710+50										69	137
710+00	747+45	RT						103	274			
712+50	713+71	LT	135		1							
714+00	716+10	LT	25		7	1						
716+90	720+80	LT	35		10	1						
716+60	720+80	RT	25		18							
721+20	723+20	RT	40		6							
721+75	722+75	LT	50		3							
723+25	726+05	LT	25		12							
723+60	725+20	RT	20		9							
726+29	726+75	RT	10		3	1						
730+65	732+35	RT	170		2							
732+65	733+50	RT	55		1							
732+00	732+68	LT	25		1	1						
732+68	733+50	LT	35		1							
743+00	743+20	LT	6		2	1						
747+18		RT				1						
747+43		LT				1						
748+50		LT				1						
748+51		RT				1						
749+55		RT				1						
749+72		LT				1						
749+74	818+47	LT						170	455			
751+00	818+40	RT						166	442			
750+50	751+30	LT	80		1							

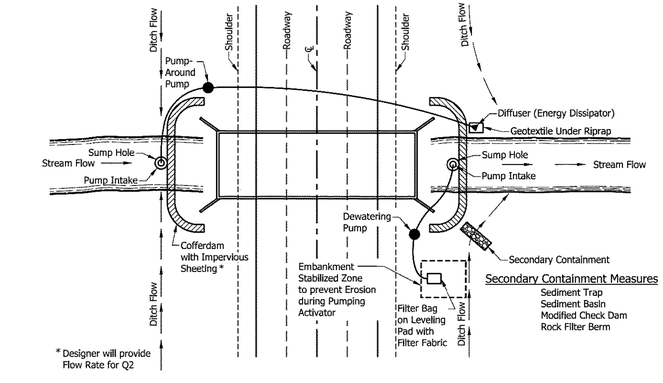
TEMPORARY SILT FENCE

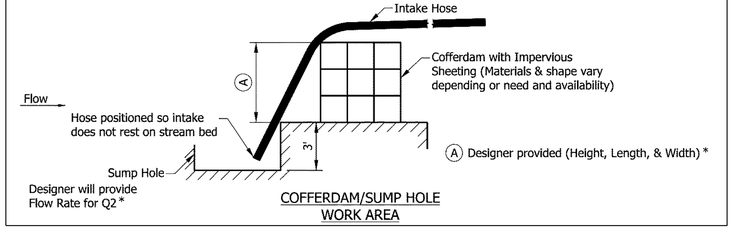
STATION	LOCATION			TEMPORARY SILT FENCE
	LEFT	MEDIAN	RIGHT	LFT
394+63 to 400+98			X	636
400+35 to 401+45	X			106
492+14 to 494+32			X	219
525+00 to 537+47	X			1247
527+00 to 532+44			X	554
538+94 to 539+06			X	12
540+52 to 549+17	X			866
541+00 to 545+01			X	401
550+97 to 556+97	X			600
552+00 to 555+01			X	301
559+75 to 561+40	X			165
562+71 to 566+98	X			428
575+51 to 577+01	X			150
579+00 to 582+06			X	299
584+98 to 588+16			X	318
591+50 to 592+00			X	50
592+10 to 593+00			X	90
594+51 to 596+01	X			150
597+22 to 600+99	X			377
602+00 to 608+73	X			674
609+51 to 627+01	X			1750
611+00 to 616+08			X	509
622+00 to 625+12			X	312
635+70 to 642+53	X			684
636+02 to 646+78			X	1077
648+52 to 651+15			X	262

TEMPORARY SILT FENCE

STATION	LOCATION			TEMPORARY SILT FENCE
	LEFT	MEDIAN	RIGHT	LFT
651+70 to 656+01			X	431
656+26 to 661+87			X	561
774+00 to 778+00			X	400
780+00 to 782+64			X	264
782+72 to 785+91			X	318
806+65 to 807+29			X	65
869+00 to 870+69			X	169
870+70 to 871+61			X	91
872+17 to 873+16			X	94
872+60 to 873+11	X			54
873+21 to 875+63	X			243
885+00 to 886+74			X	174
901+98 to 903+09			X	113
903+44 to 903+98			X	56
906+02 to 909+83			X	287
912+20 to 912+67	X			53
912+86 to 913+77	X			95
926+49 to 928+77			X	231
952+51 to 954+22			X	170
954+77 to 956+56			X	178
TOTAL				16284

PUMP AROUND AND DEWATERING DETAILS





COFFERDAM/SUMP HOLE WORK AREA

DESIGNED	WB	7/7/20
DRAWN	MH	7/7/20
REVIEWED	JR	8/2/20

RECOMMENDED FOR APPROVAL _____ 2/11/2021
DESIGN ENGINEER DATE

DESIGNED: WB DRAWN: MH
CHECKED: JR CHECKED: WB

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS

	BRIDGE FILE
SCALE	DESIGNATION
NTS	1601074
SURVEY BOOK	SHEETS
	105 of 478
CONTRACT	PROJECT
RS-40528	1601074

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TEMPORARY EROSION CONTROL TABLE

STATION	STATION	LT/RT	SPACING (FT)	ROCK CHECK DAM	TEMP CHECK DAM	GRAVEL RING	INLET PROTECTION	TEMPORARY SEEDING (LBS)	FERTILIZER (LBS)	PUMP AROUND	NO. 2 STONE (TON)	TEMPORARY GEOTEXTILE (SYS)
750+83		RT				1						
751+75	752+11	LT	15		1	1						
752+43	752+88	RT	10		2	1						
756+75	758+26	LT	110		1							
758+60	759+50	LT	25		2	1						
764+50	765+14	RT	25		1	1						
764+50	765+13	LT	30		1							
765+13	766+00	LT	20		2							
766+56	767+50	RT	25		2	1						
782+68	792+50	LT	130		4	1						
792+00	793+00	RT	80		1							
792+15	797+15	LT	50		11							
793+30	793+50	RT				1						
794+10	794+70	RT	40		5							
799+50	802+03	LT	50		4	1						
798+80	801+80	RT	50		7							
802+00	803+75	RT	60		2							
803+62		LT				1						
806+50	807+37	LT	25		1	1						
806+50	807+37	RT	65		1							
807+37	808+00	LT	25		1							
807+37	808+50	RT	160		1							
815+50	816+95	RT	60		2							
817+42	818+25	RT				1						
819+20	883+85	LT						204	545			
821+20	883+90	RT						182	485			
821+78		LT				1						
821+00	821+78	RT	25		2							
821+78	822+50	RT	30		2							
832+00		RT				1						
832+05		LT				1						
832+55	837+03	LT	250	1	1	1						
832+60	837+02	RT	190	2	1							
837+02	837+50	RT	20		2							
837+03	838+00	LT	20		3							
843+40		LT				1						
843+72	844+90	LT	45		1	1						
845+14	848+50	LT	135		2							
850+25	851+41	RT	20		4							
850+50	851+39	LT	25		1	1						
851+41	852+00	RT	20		1							
851+39	851+78	LT	10		1							
852+10	854+35	LT	30				1					
854+35	855+50	LT	45									
864+21		LT								1		
870+50	870+70	LT	7		1	1						
871+15	871+62	LT	10		2	1						
873+16										1		
877+00	877+90	RT	20		4							
878+00	878+45	LT	25		1							
878+20	879+50	RT	20		4	1						
878+80	880+00	LT	45		1	1						
880+35	882+00	LT	30		4	1						
883+00	883+70	RT	15		3	1						
883+05	883+79	LT	15		2	1						
883+95	922+88	LT						96	257			
884+00	922+80	RT						127	340			
884+05	886+63	LT	50		2	1						
884+10	885+65	RT	30		5							
886+63	887+00	RT	70		1							
888+05	888+75	LT	15		6							
888+05	888+35	RT	15		3							
894+50	895+46	LT	25		1	1						
895+00	895+46	RT	30		1							
895+46	896+69	LT	25		1							
895+46	896+00	RT	20		1							
897+25	898+50	LT	20		4	1						
900+85	902+00	RT	50		3	1						
905+88		LT					1					
910+13	910+40	RT									24	49
912+75		LT								1		
915+50	916+65	RT	60		2							
917+00	918+00	RT	20		3	1						
921+00	921+94	LT	20		3	1						
921+50	922+00	RT	15		2							
921+94	922+65	LT	15		2							
922+00	922+50	RT	10		5							
923+22	959+91	LT						91	244			
923+58	960+00	RT						95	253			
923+75	924+50	LT	75	1		1						
930+30	932+60	LT	115	3		1						
932+60	933+18	RT	60									
933+18	933+50	LT	20	1								
933+65	934+20	RT	55		2							
934+25	936+00	RT	20		6	1						
937+75	937+95	RT	5		1	1						
938+35	942+50	RT	155		2							
942+00	944+00	LT	35		4	1						
943+00	944+45	RT	75	1	2	1						
945+00		LT			1							
945+90		RT			1							
946+10	946+50	LT	20		3	1						
946+85	948+50	LT	20		6							
947+80	948+37	RT	60		1							
948+70	949+00	RT	8		2	1						
951+20	951+60	LT	40		2							
952+00	952+20	LT	20		2							
954+50		LT				1						
953+90	954+70	LT	40		3							
955+05	957+25	LT	30		8							
957+55	957+55	RT	30		4							
958+40		LT			1							
959+25	959+75										71	141
			TOTAL	**14**	**387**	**89**	**2**	**2589**	**6903**	**5**	**408**	**814**

REVIEWER NOTE:
Tables will be completed at a later date.

DESIGNED	WB	7/7/20
DRAWN	MH	7/7/20
REVIEWED	JR	8/27/20

RECOMMENDED FOR APPROVAL _____ 2/17/2021
DESIGN ENGINEER DATE

DESIGNED: WB | DRAWN: MH
CHECKED: JR | CHECKED: WB

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS

	BRIDGE FILE
SCALE	DESIGNATION
NTS	1601074
SURVEY BOOK	SHEETS
	106 of 478
CONTRACT	PROJECT
RS-40528	1601074

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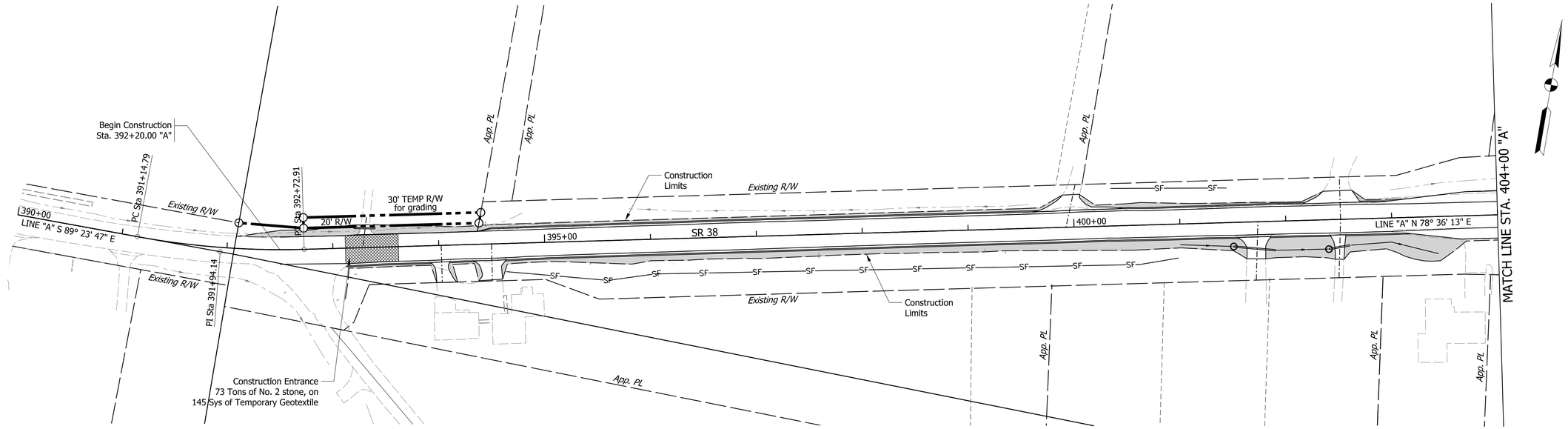

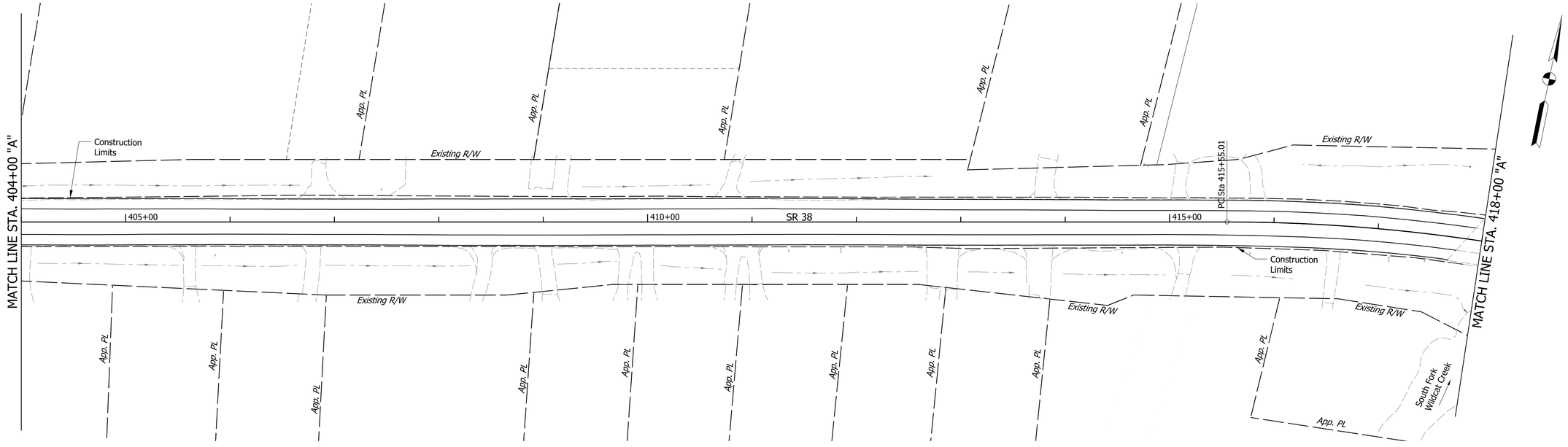

LEGEND

- SF — Perimeter Protection (Silt Fence)
- Temporary Inlet Protection (Filter Bag Insert)
- Temporary Inlet Protection (Gravel Ring)
- Temporary Sediment Trap
- Temporary Traversable Check Dam
- Temporary Check Dam (Revetment Riprap)
- Permanent Riprap
- Proposed Ditch Flowline
- Temporary Seeding

RECOMMENDED FOR APPROVAL _____ 2/11/2021
DESIGN ENGINEER — DATE

DESIGNED: WB | DRAWN: MH
CHECKED: JR | CHECKED: WB

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS
STA. 390+00 "A" TO STA. 418+00 "A"

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	107 of 478
CONTRACT	PROJECT
RS-40528	1601074

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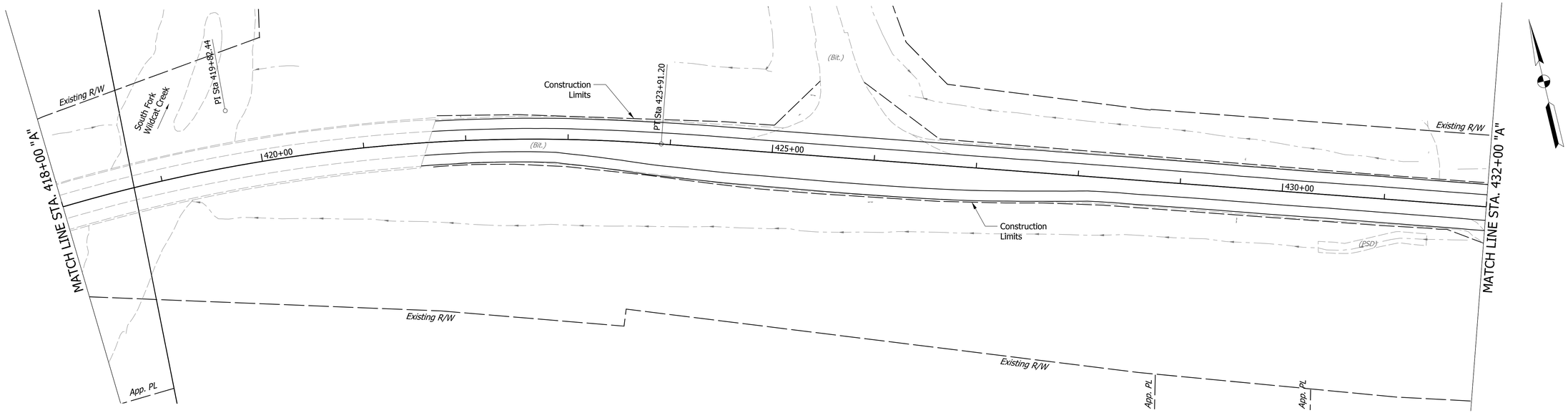

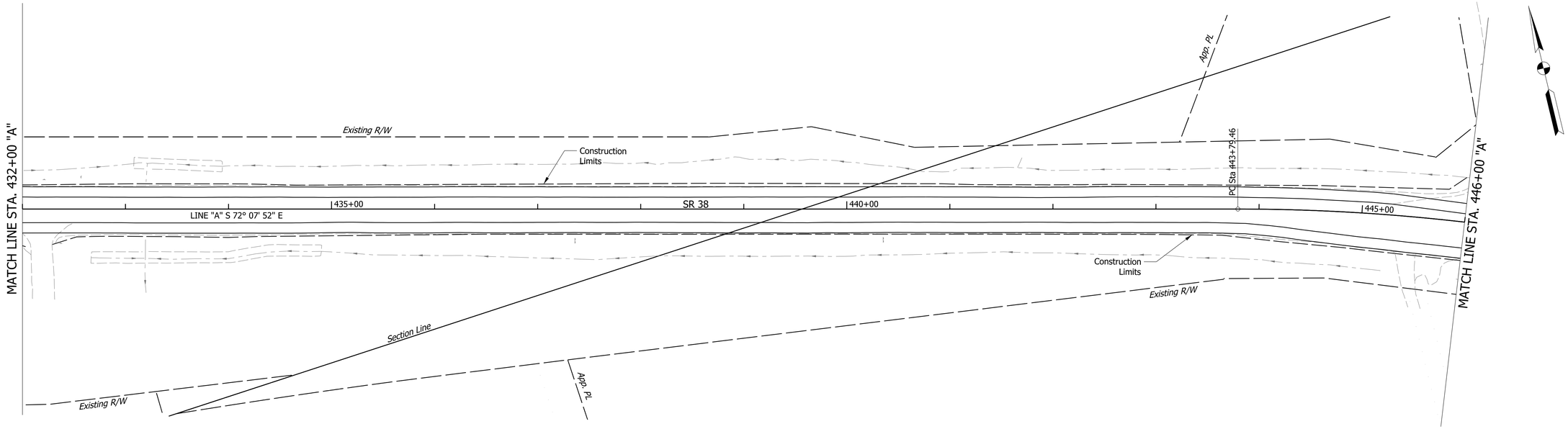

LEGEND

- Perimeter Protection (Silt Fence)
- Temporary Inlet Protection (Filter Bag Insert)
- Temporary Inlet Protection (Gravel Ring)
- Temporary Sediment Trap
- Temporary Traversable Check Dam
- Temporary Check Dam (Revetment Riprap)
- Permanent Riprap
- Proposed Ditch Flowline
- Temporary Seeding

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER — 2/11/2021 — DATE

DESIGNED: WB
DRAWN: MH
CHECKED: JR
CHECKED: WB

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS
STA. 418+00 "A" TO STA. 446+00 "A"

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	108 of 478
CONTRACT	PROJECT
RS-40528	1601074

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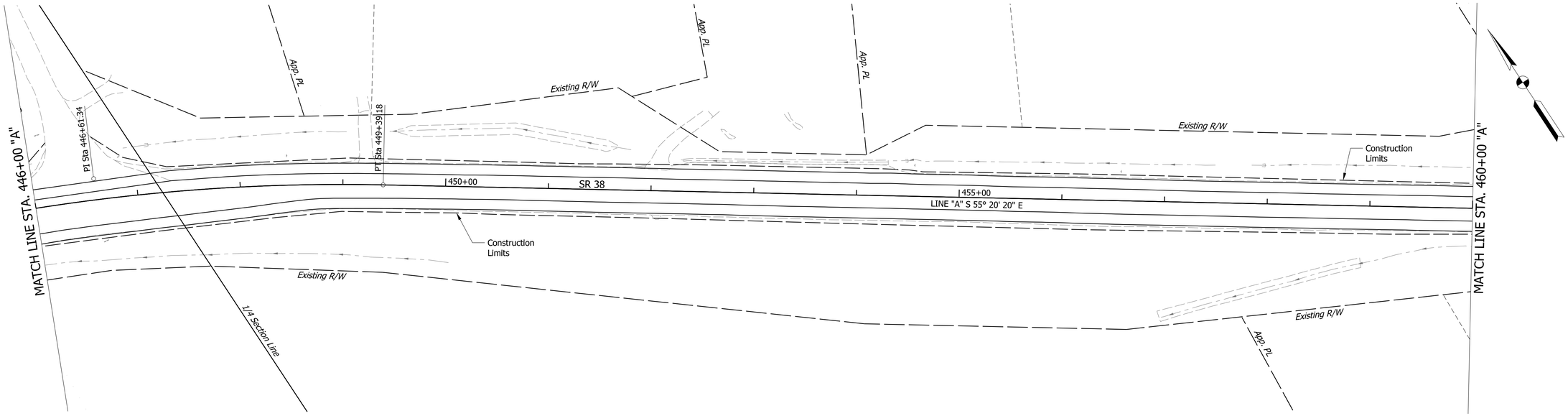

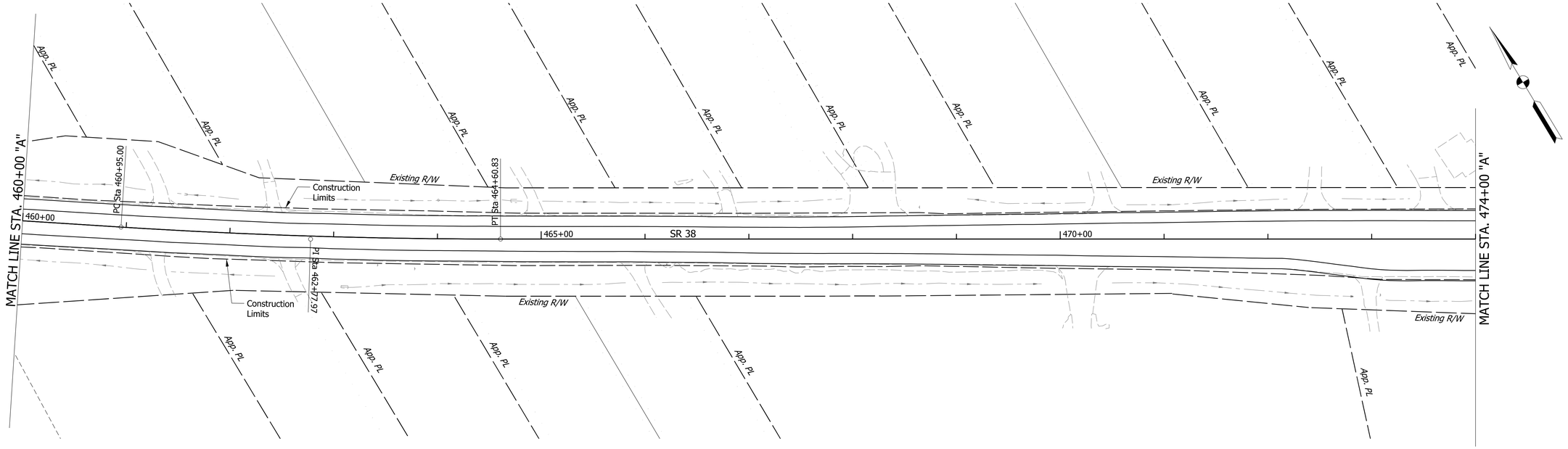

LEGEND

- SF — Perimeter Protection (Silt Fence)
- Temporary Inlet Protection (Filter Bag Insert)
- Temporary Inlet Protection (Gravel Ring)
- Temporary Sediment Trap
- Temporary Traversable Check Dam
- Temporary Check Dam (Revetment Riprap)
- Permanent Riprap
- Proposed Ditch Flowline
- Temporary Seeding

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 2/11/2021 DATE

DESIGNED: WB | DRAWN: MH

CHECKED: JR | CHECKED: WB

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS
STA. 446+00 "A" TO STA. 474+00 "A"

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	109 of 478
CONTRACT	PROJECT
RS-40528	1601074

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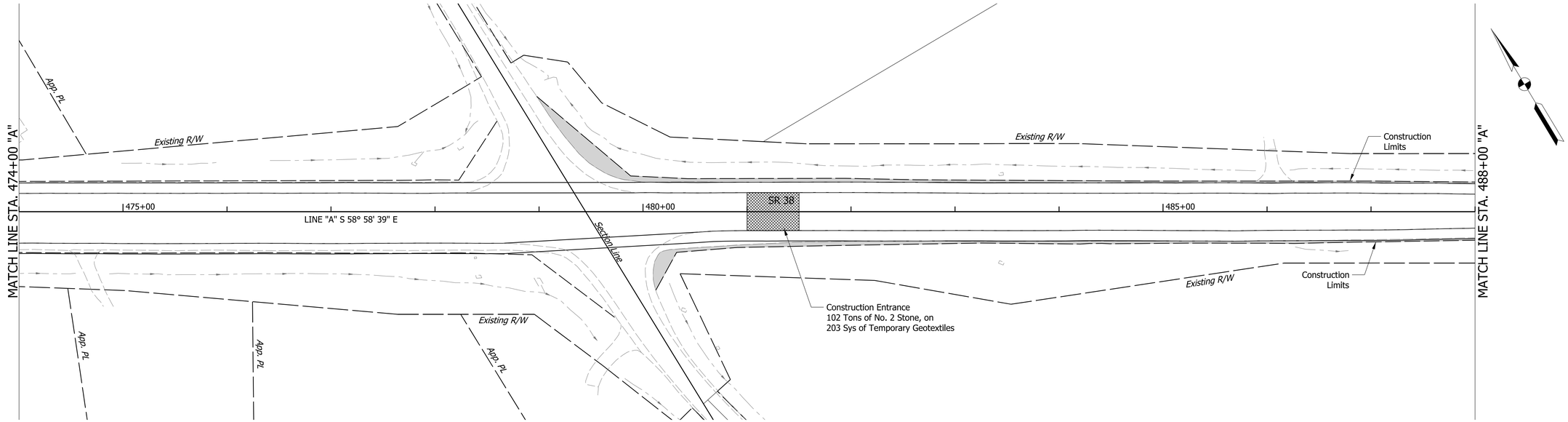

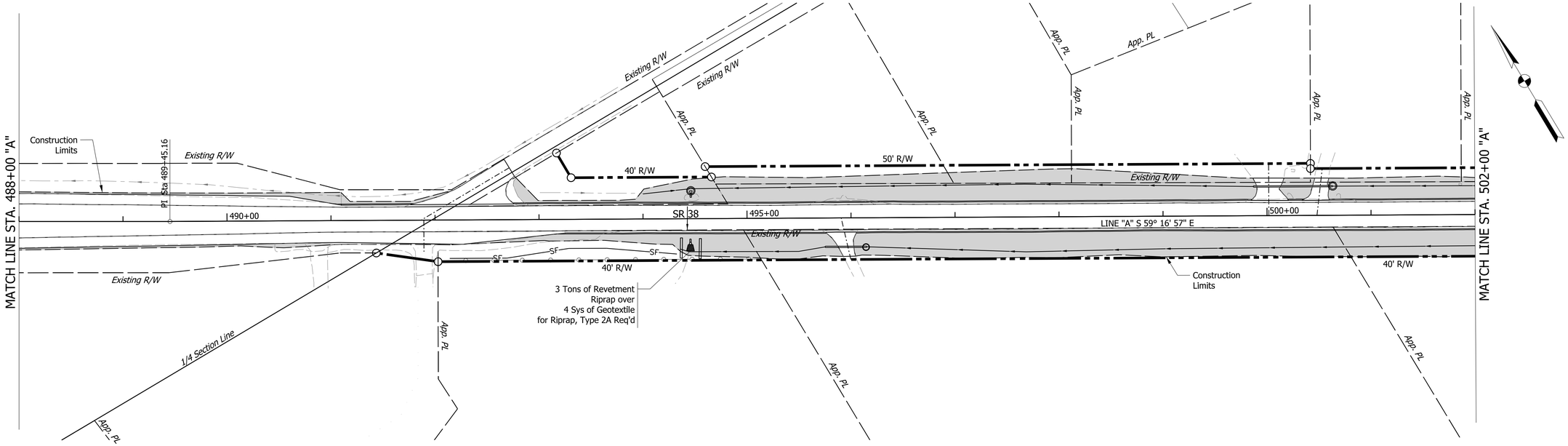

LEGEND

- Sf — Perimeter Protection (Silt Fence)
- Temporary Inlet Protection (Filter Bag Insert)
- Temporary Inlet Protection (Gravel Ring)
- Temporary Sediment Trap
- Temporary Traversable Check Dam
- Temporary Check Dam (Revetment Riprap)
- Permanent Riprap
- Proposed Ditch Flowline
- Temporary Seeding

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 2/11/2021 — DATE

DESIGNED: WB | DRAWN: MH

CHECKED: JR | CHECKED: WB

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS
STA. 474+00 "A" TO STA. 502+00 "A"

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	110 of 478
CONTRACT	PROJECT
RS-40528	1601074

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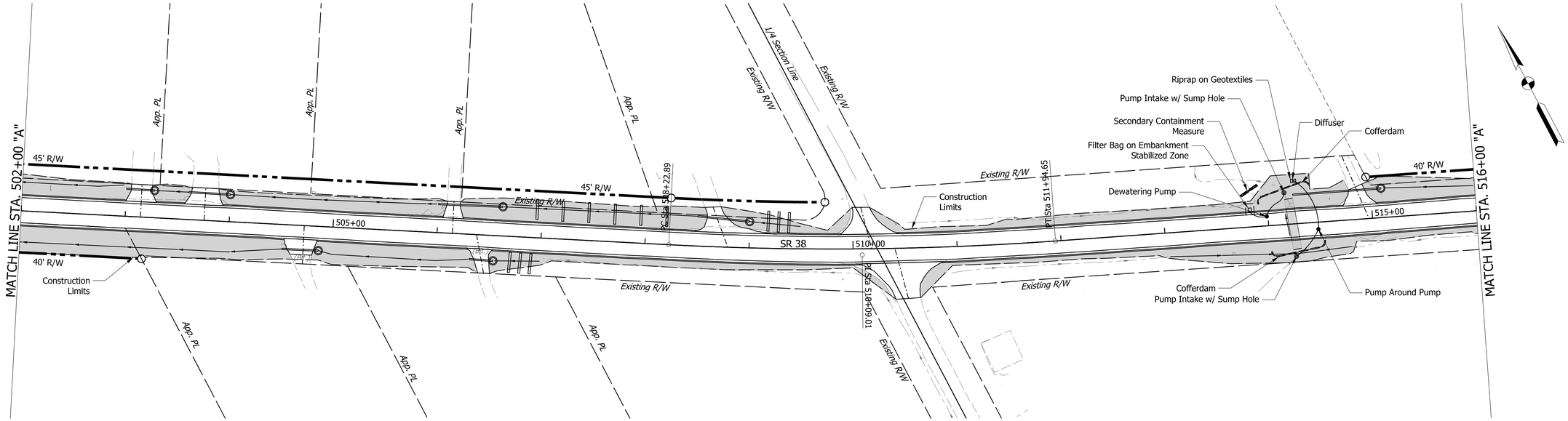

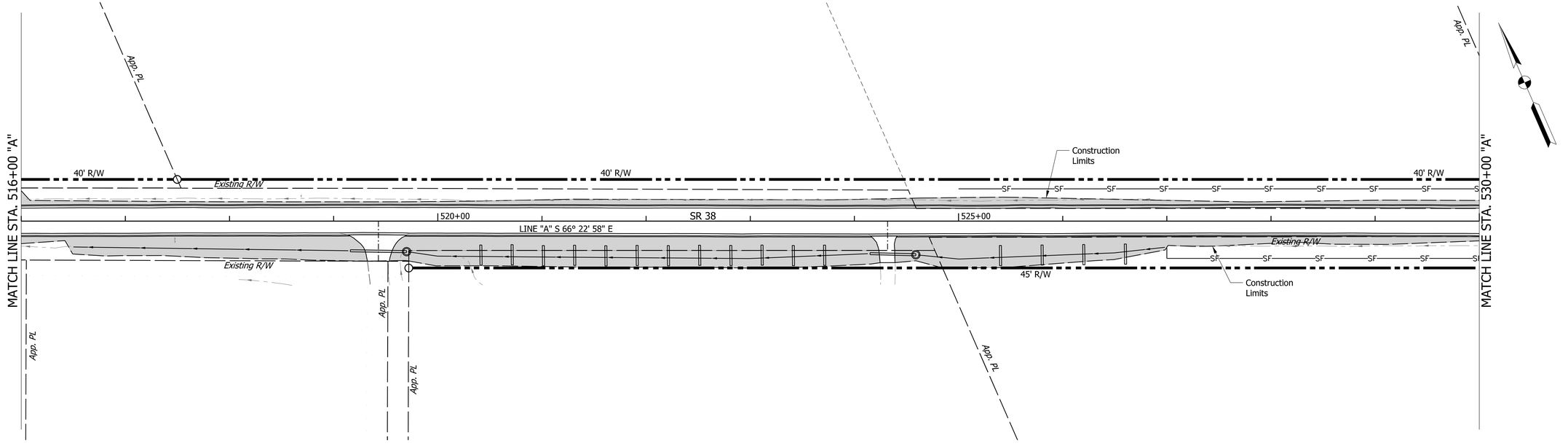

LEGEND

- SF — Perimeter Protection (Silt Fence)
- Temporary Inlet Protection (Filter Bag Insert)
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- Proposed Ditch Flowline
- Temporary Seeding

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 2/11/2021 — DATE

DESIGNED: WB | DRAWN: MH

CHECKED: JR | CHECKED: WB

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS
STA. 502+00 "A" TO STA. 530+00 "A"

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	111 of 478
CONTRACT	PROJECT
RS-40528	1601074

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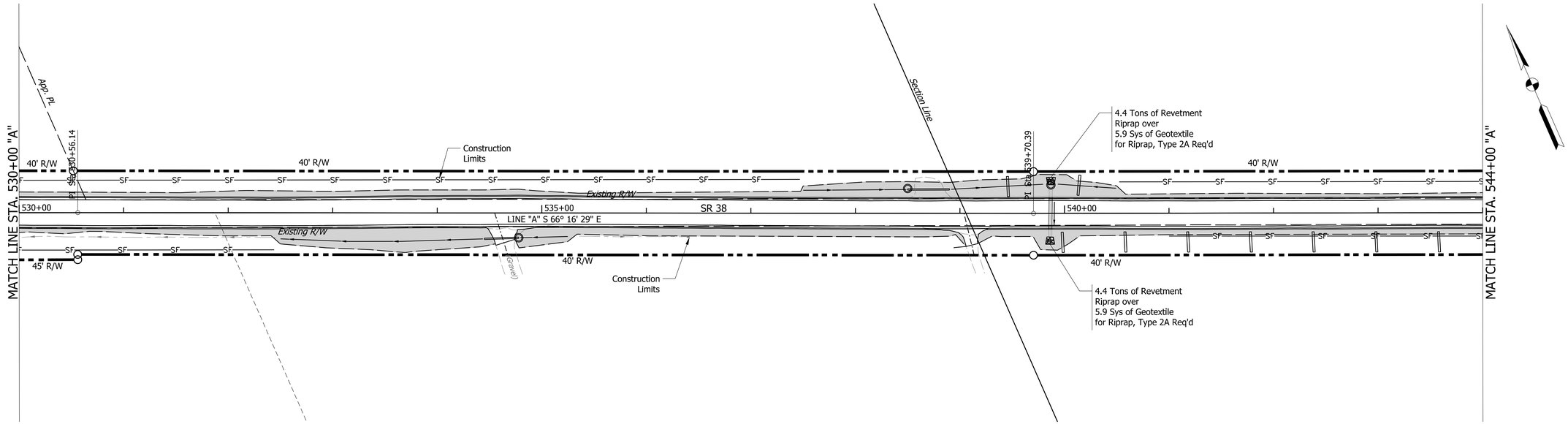

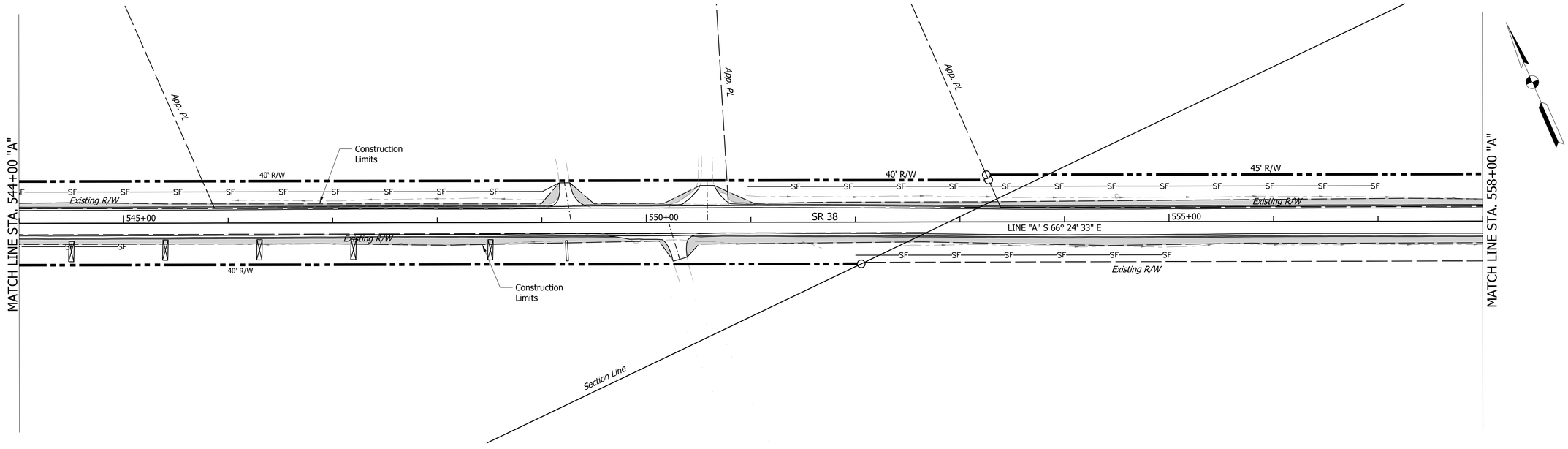

LEGEND

- SF — Perimeter Protection (Silt Fence)
- Temporary Inlet Protection (Filter Bag Insert)
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- Temporary Seeding

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 2/11/2021 — DATE

DESIGNED: WB | DRAWN: MH

CHECKED: JR | CHECKED: WB

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS
STA. 530+00 "A" TO STA. 558+00 "A"

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	112 of 478
CONTRACT	PROJECT
RS-40528	1601074

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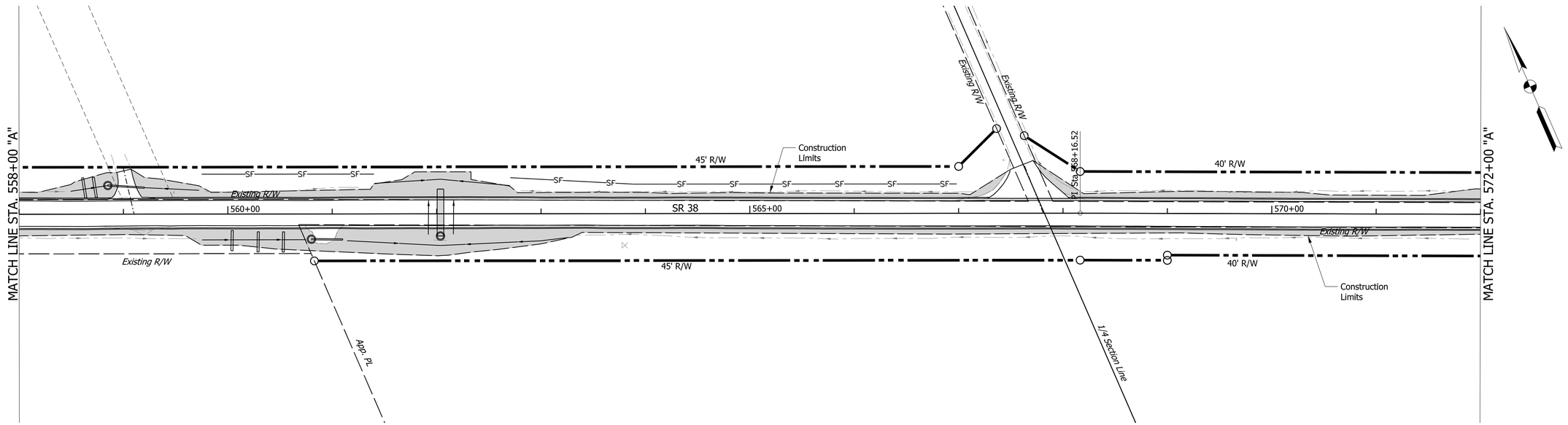

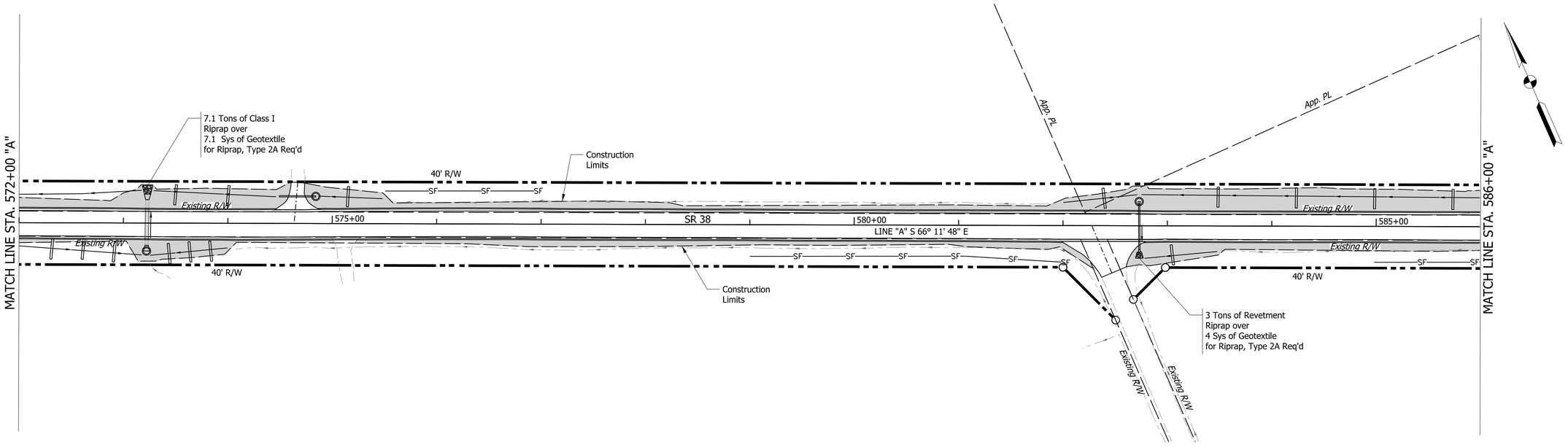

LEGEND

- SF — Perimeter Protection (Silt Fence)
- Temporary Inlet Protection (Filter Bag Insert)
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- Proposed Ditch Flowline
- Temporary Seeding

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 2/17/2021 — DATE

DESIGNED: WB | DRAWN: MH

CHECKED: JR | CHECKED: WB

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS
STA. 558+00 "A" TO STA. 586+00 "A"

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	113 of 478
CONTRACT	PROJECT
RS-40528	1601074

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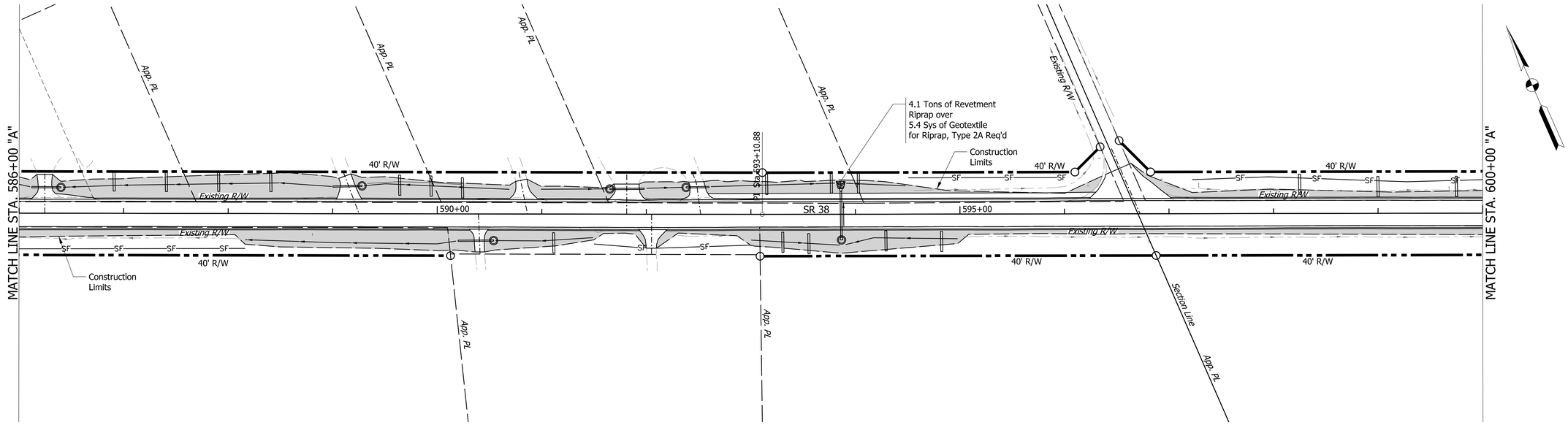

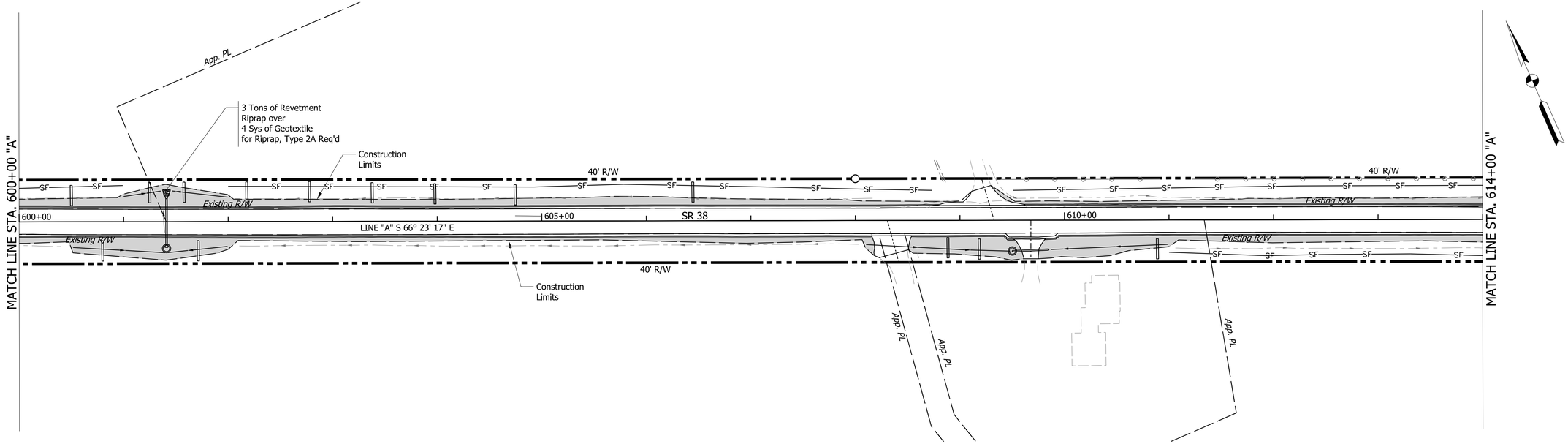

LEGEND

- SF — Perimeter Protection (Silt Fence)
- Temporary Inlet Protection (Filter Bag Insert)
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- Permanent Riprap
- Proposed Ditch Flowline
- Temporary Seeding

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	2/17/2021 DATE
DESIGNED: WB	DRAWN: MH	
CHECKED: JR	CHECKED: WB	

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS
STA. 586+00 "A" TO STA. 614+00 "A"

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	114 of 478
CONTRACT	PROJECT
RS-40528	1601074

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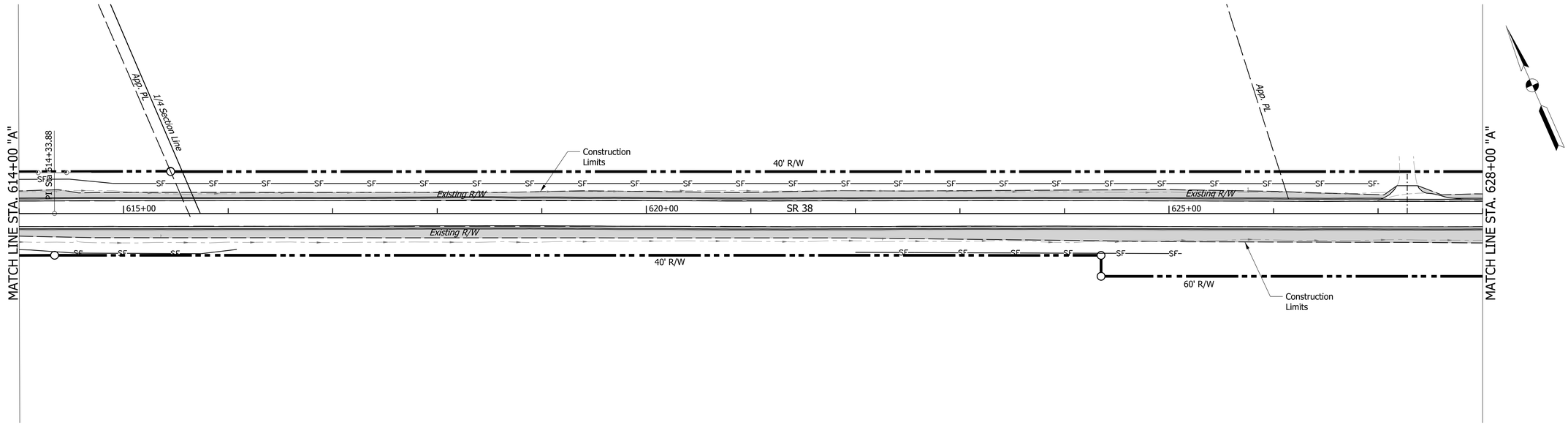

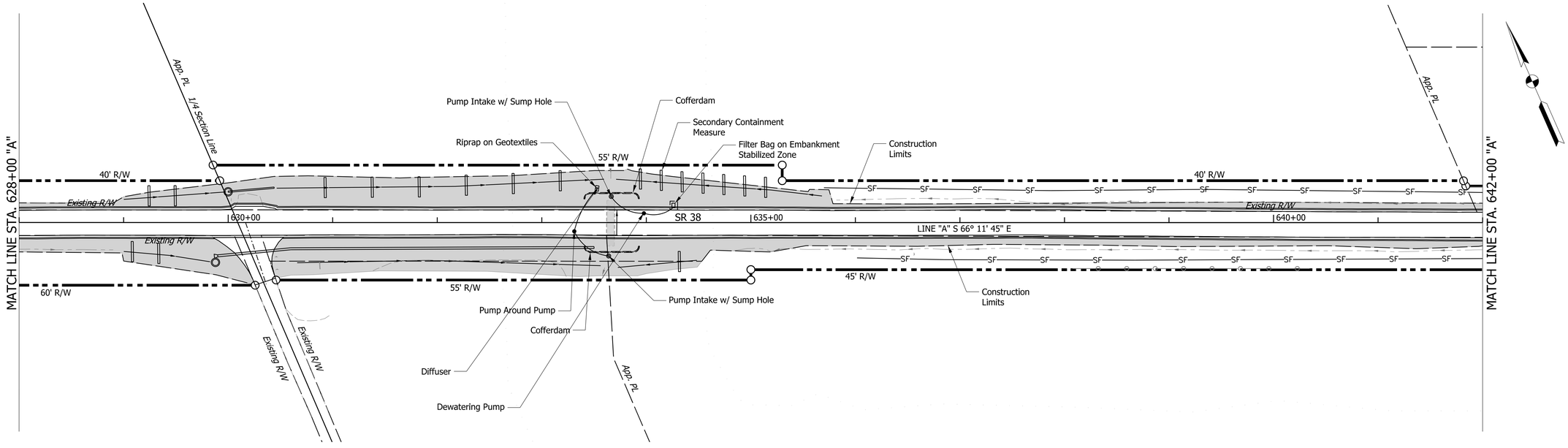

LEGEND

- SF — Perimeter Protection (Silt Fence)
- Temporary Inlet Protection (Filter Bag Insert)
- Temporary Inlet Protection (Gravel Ring)
- Temporary Sediment Trap
- Temporary Traversable Check Dam
- Temporary Check Dam (Revetment Riprap)
- Permanent Riprap
- Proposed Ditch Flowline
- Temporary Seeding

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 2/17/2021 — DATE

DESIGNED: WB | DRAWN: MH

CHECKED: JR | CHECKED: WB

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS
STA. 614+00 "A" TO STA. 642+00 "A"

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	115 of 478
CONTRACT	PROJECT
RS-40528	1601074

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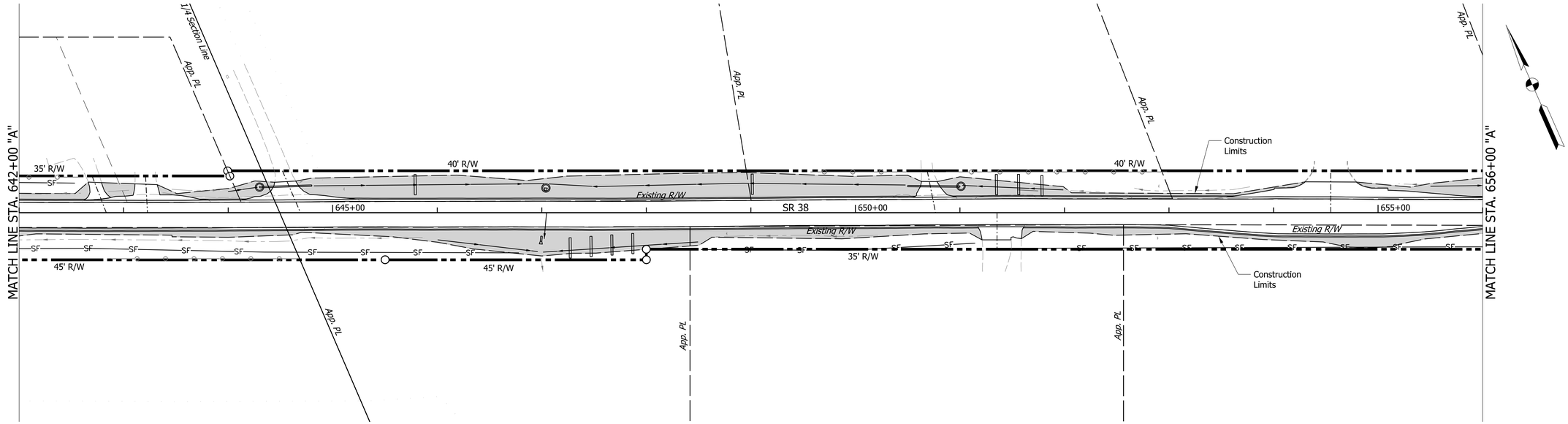

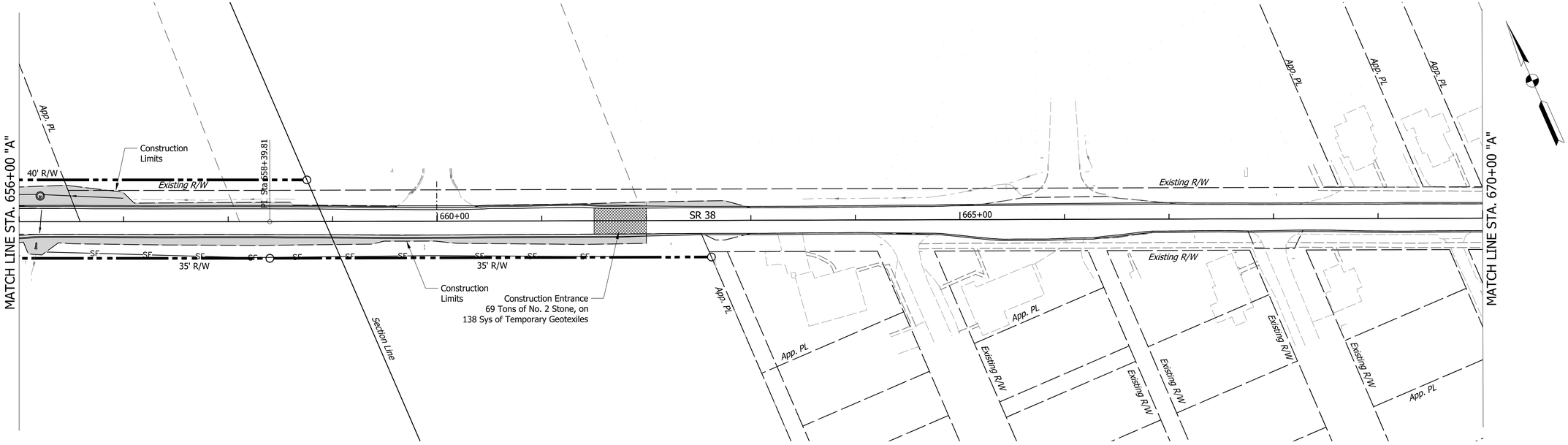

LEGEND

- SF — Perimeter Protection (Silt Fence)
- Temporary Inlet Protection (Filter Bag Insert)
- Temporary Inlet Protection (Gravel Ring)
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- Temporary Seeding

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 2/11/2021 — DATE

DESIGNED: WB | DRAWN: MH

CHECKED: JR | CHECKED: WB

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS
STA. 642+00 "A" TO STA. 670+00 "A"

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	116 of 478
CONTRACT	PROJECT
RS-40528	1601074

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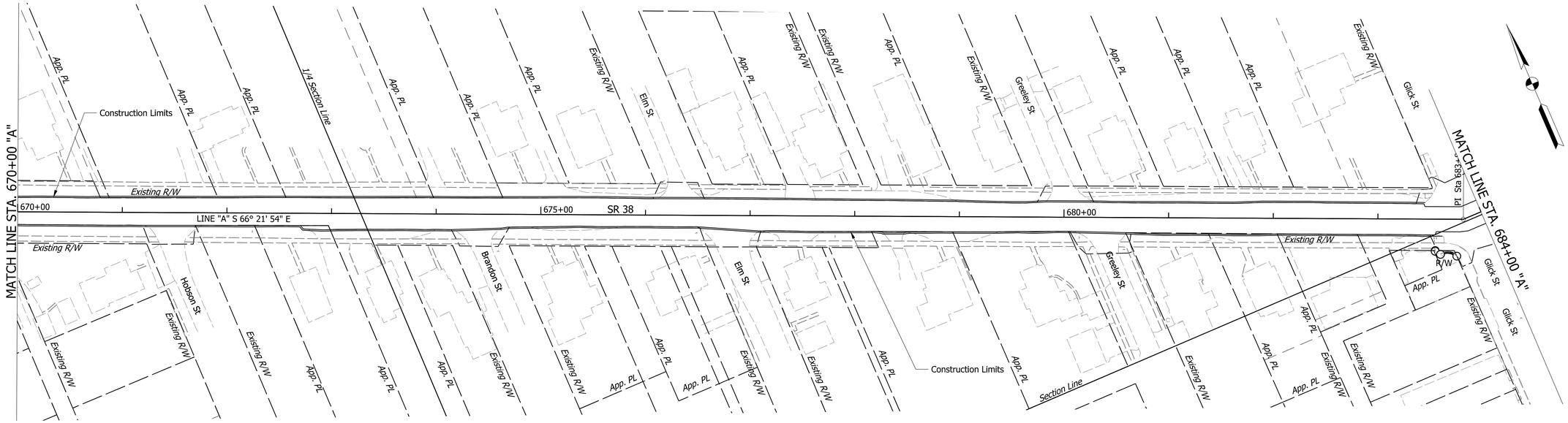

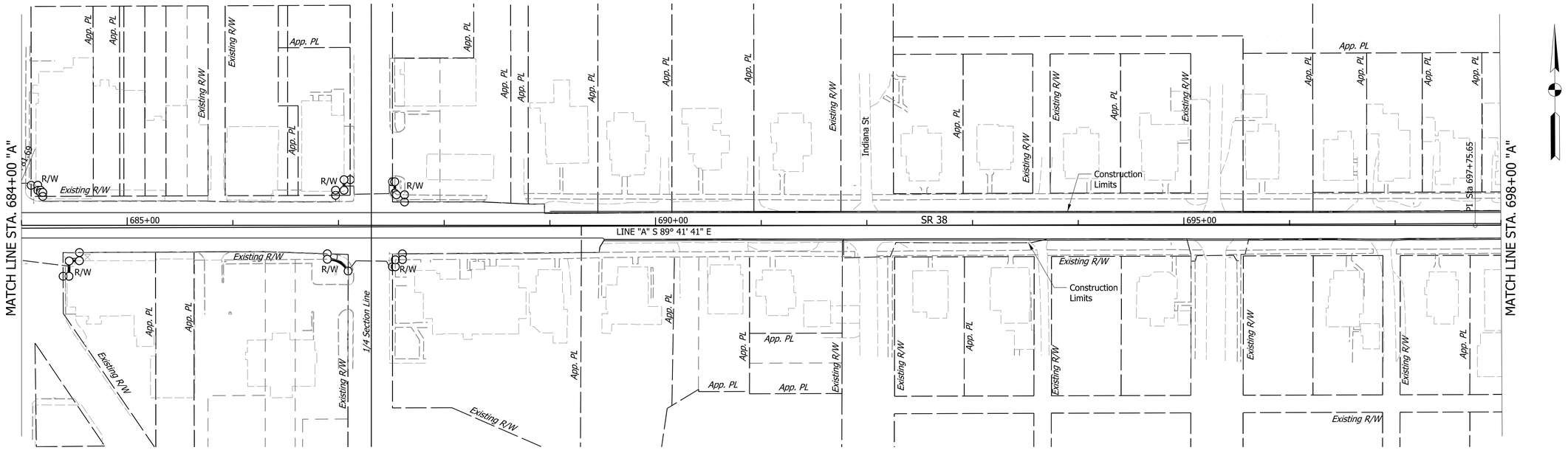

LEGEND

- SF — Perimeter Protection (Silt Fence)
- Temporary Inlet Protection (Filter Bag Insert)
- Temporary Inlet Protection (Gravel Ring)
- Temporary Sediment Trap
- Temporary Traversable Check Dam
- Temporary Check Dam (Revetment Riprap)
- Permanent Riprap
- Proposed Ditch Flowline
- Temporary Seeding

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 2/11/2021 — DATE

DESIGNED: WB | DRAWN: MH

CHECKED: JR | CHECKED: WB

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS
STA. 670+00 "A" TO STA. 698+00 "A"

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	117 of 478
CONTRACT	PROJECT
RS-40528	1601074

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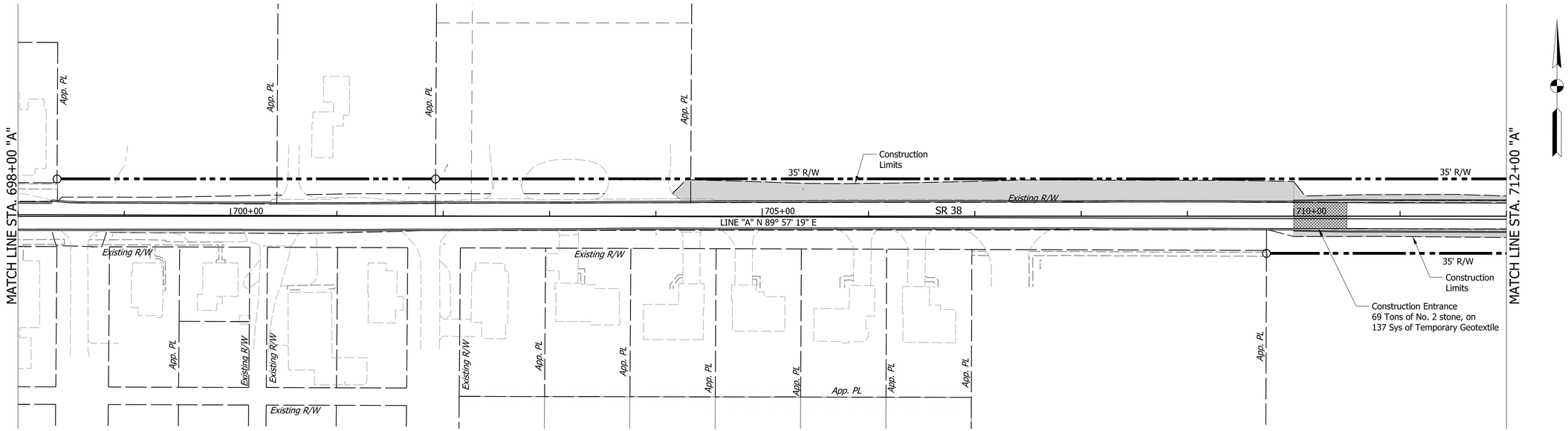

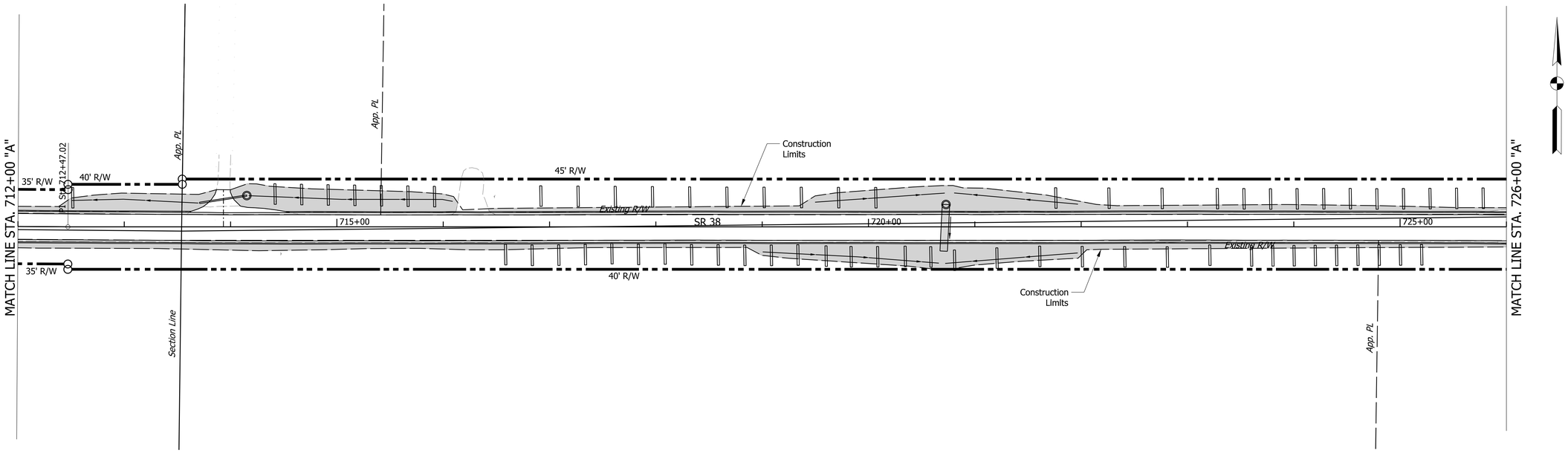

LEGEND

- SF — Perimeter Protection (Silt Fence)
- Temporary Inlet Protection (Filter Bag Insert)
- Temporary Inlet Protection (Gravel Ring)
- Temporary Sediment Trap
- Temporary Traversable Check Dam
- Temporary Check Dam (Revetment Riprap)
- Permanent Riprap
- Proposed Ditch Flowline
- Temporary Seeding

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 2/11/2021 — DATE

DESIGNED: WB | DRAWN: MH

CHECKED: JR | CHECKED: WB

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS
STA. 698+00 "A" TO STA. 726+00 "A"

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	118 of 478
CONTRACT	PROJECT
RS-40528	1601074

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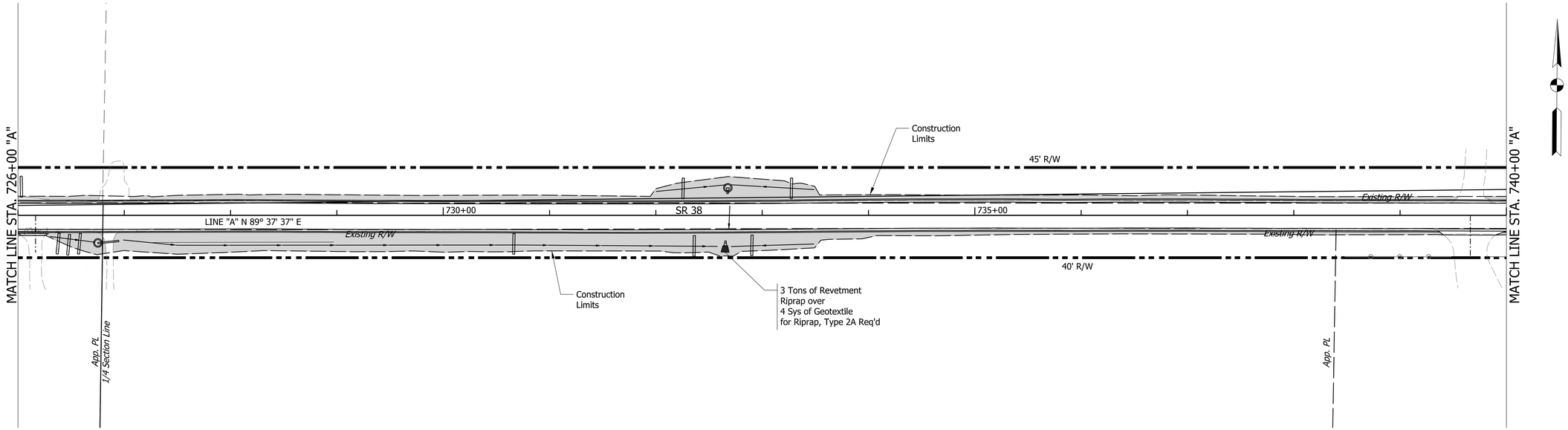

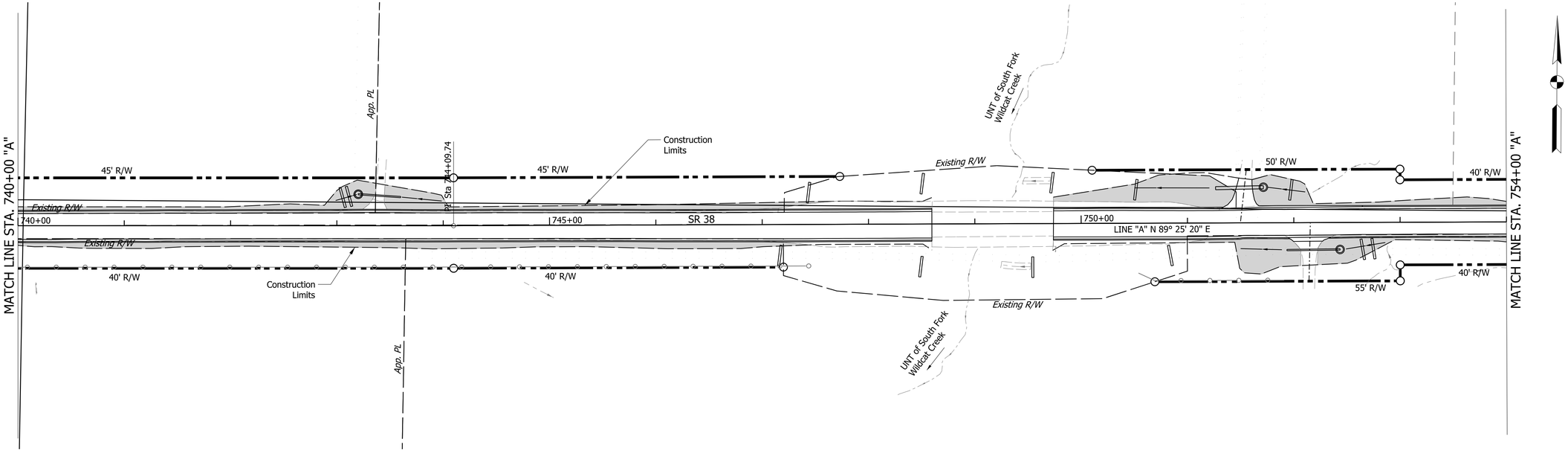

LEGEND

- SF — Perimeter Protection (Silt Fence)
- Temporary Inlet Protection (Filter Bag Insert)
- Temporary Inlet Protection (Gravel Ring)
- Temporary Sediment Trap
- Temporary Traversable Check Dam
- Temporary Check Dam (Revetment Riprap)
- Permanent Riprap
- Proposed Ditch Flowline
- Temporary Seeding

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 2/11/2021 — DATE

DESIGNED: WB | DRAWN: MH

CHECKED: JR | CHECKED: WB

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS
STA. 726+00 "A" TO STA. 754+00 "A"

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	119 of 478
CONTRACT	PROJECT
RS-40528	1601074

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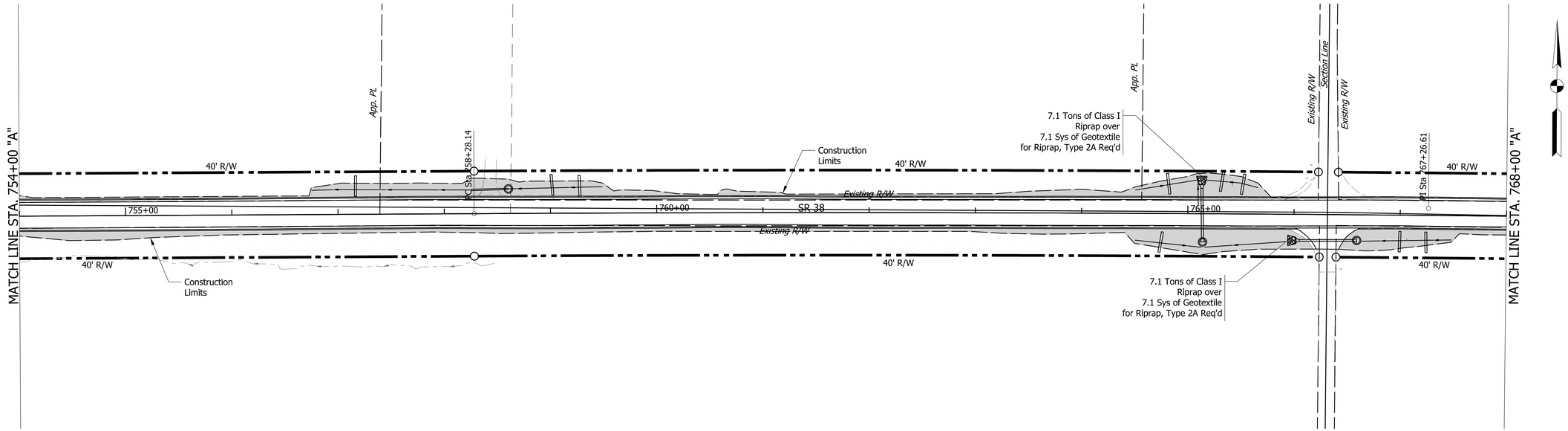

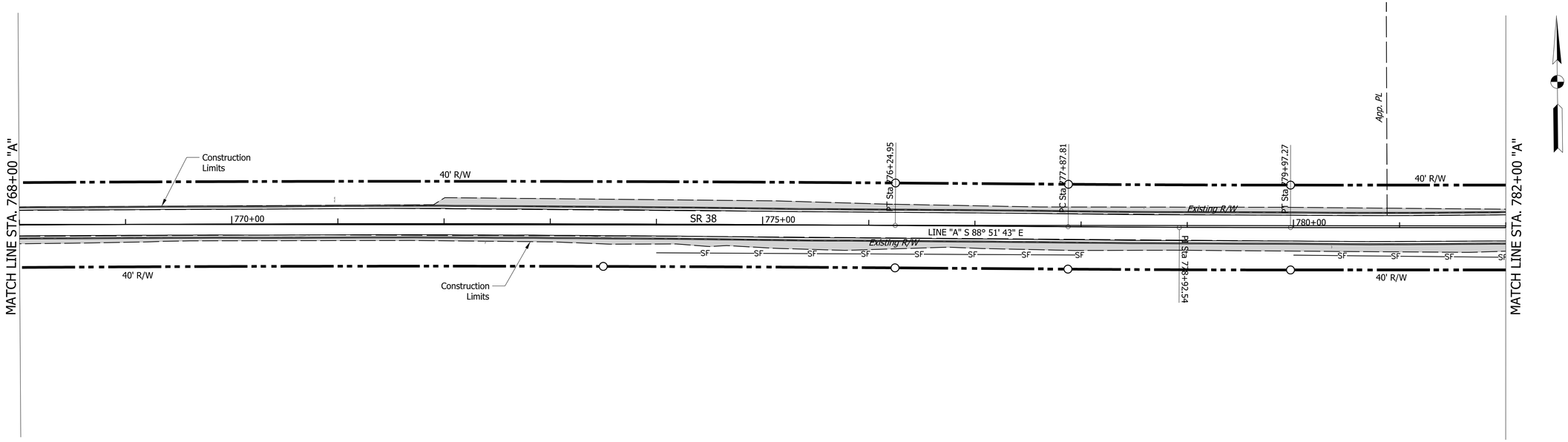

LEGEND

- SF — Perimeter Protection (Silt Fence)
- Temporary Inlet Protection (Filter Bag Insert)
- Temporary Inlet Protection (Gravel Ring)
- Temporary Sediment Trap
- Temporary Traversable Check Dam
- Temporary Check Dam (Revetment Riprap)
- Permanent Riprap
- Proposed Ditch Flowline
- Temporary Seeding

RECOMMENDED FOR APPROVAL _____ 2/11/2021
DESIGN ENGINEER — DATE

DESIGNED: WB | DRAWN: MH
CHECKED: JR | CHECKED: WB

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS STA. 754+00 "A" TO STA. 782+00 "A"

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	120 of 478
CONTRACT	PROJECT
RS-40528	1601074

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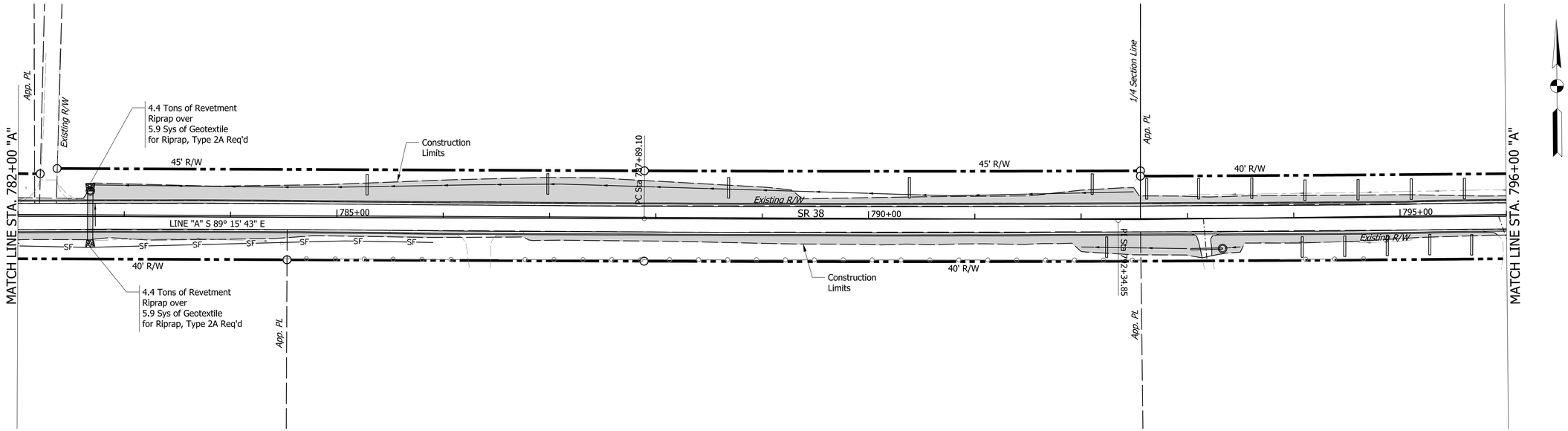

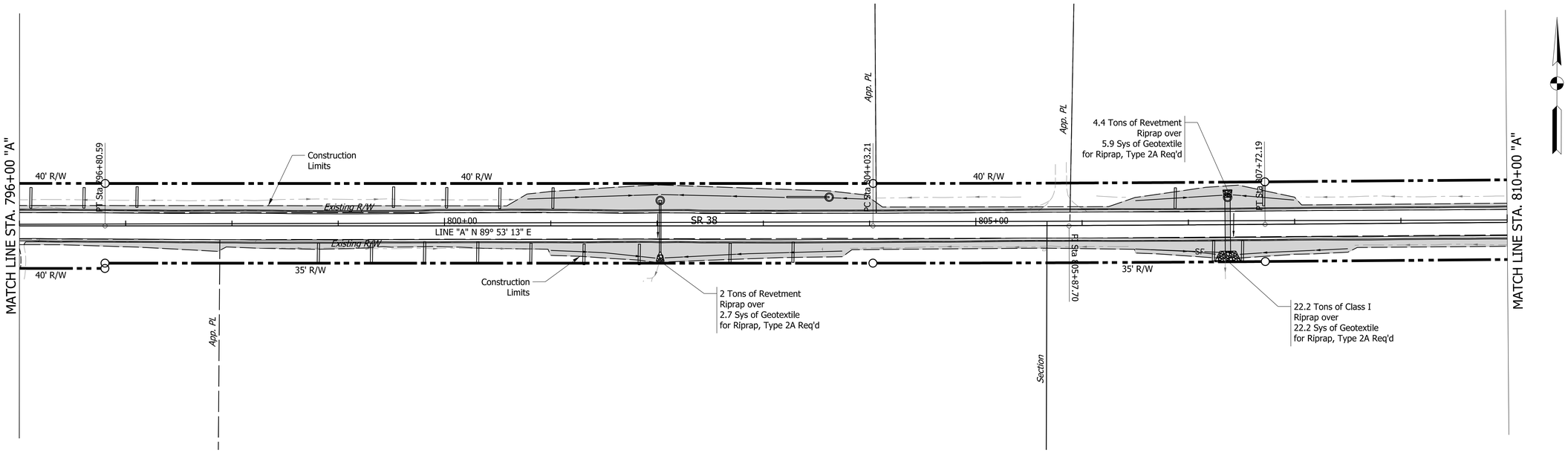

LEGEND

- SF — Perimeter Protection (Silt Fence)
- Temporary Inlet Protection (Filter Bag Insert)
- Temporary Inlet Protection (Gravel Ring)
- Temporary Sediment Trap
- Temporary Traversable Check Dam
- Temporary Check Dam (Revetment Riprap)
- Permanent Riprap
- Proposed Ditch Flowline
- Temporary Seeding

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 2/11/2021 — DATE

DESIGNED: WB | DRAWN: MH

CHECKED: JR | CHECKED: WB

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS
STA. 782+00 "A" TO STA. 810+00 "A"

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	121 of 478
CONTRACT	PROJECT
RS-40528	1601074

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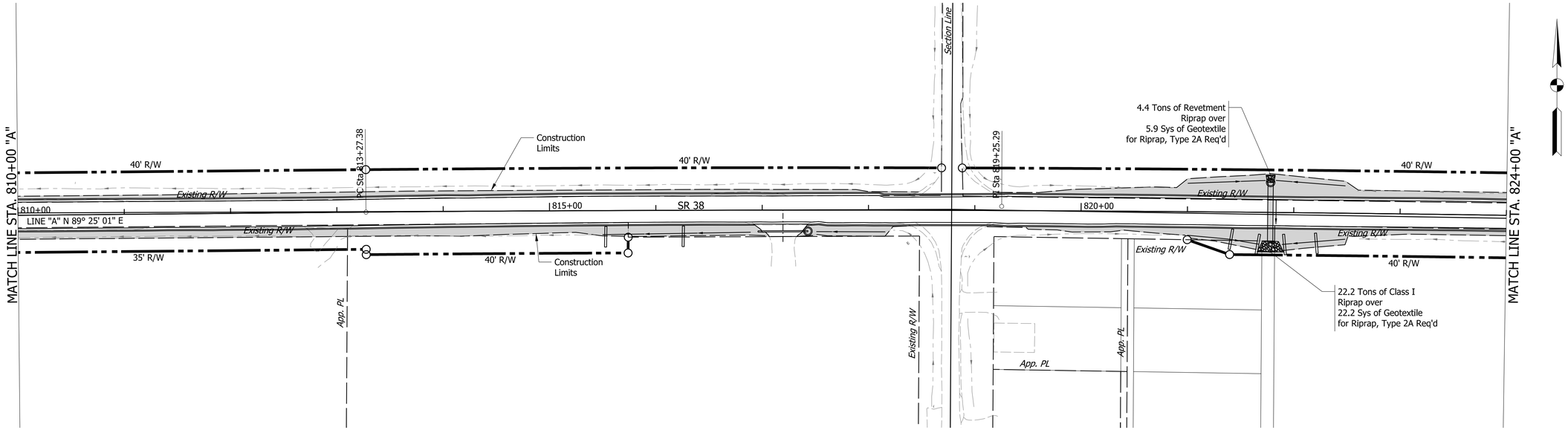

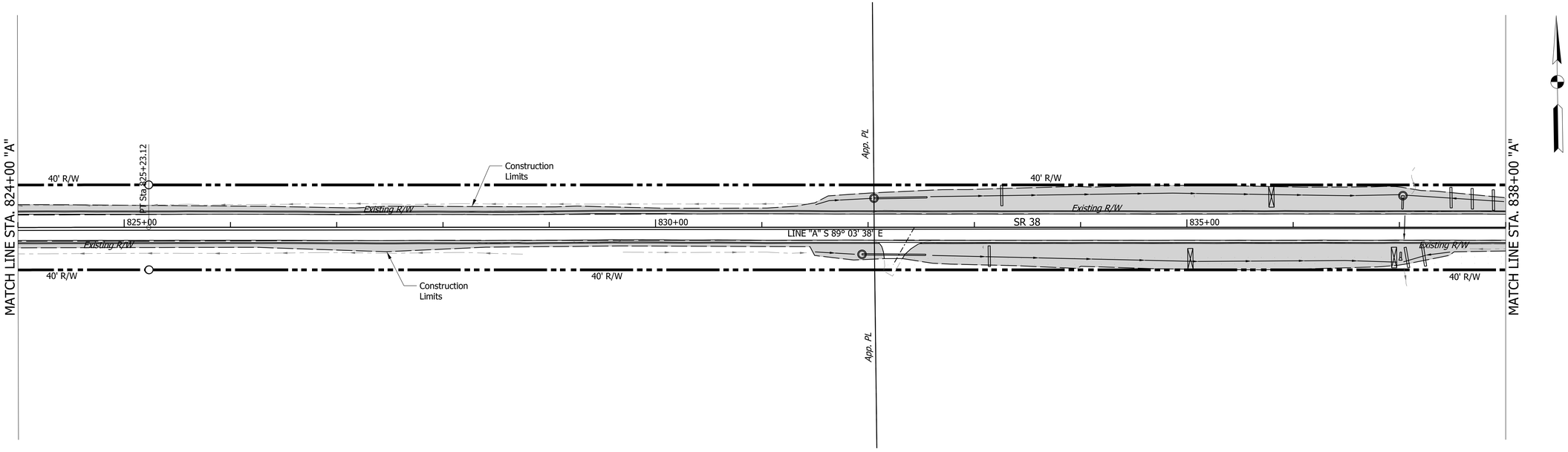

LEGEND

- Perimeter Protection (Silt Fence)
- Temporary Inlet Protection (Filter Bag Insert)
- Temporary Inlet Protection (Gravel Ring)
- Temporary Sediment Trap
- Temporary Traversable Check Dam
- Temporary Check Dam (Revetment Riprap)
- Permanent Riprap
- Proposed Ditch Flowline
- Temporary Seeding

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 2/17/2021 — DATE

DESIGNED: WB | DRAWN: MH

CHECKED: JR | CHECKED: WB

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS
STA. 810+00 "A" TO STA. 838+00 "A"

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	122 of 478
CONTRACT	PROJECT
RS-40528	1601074

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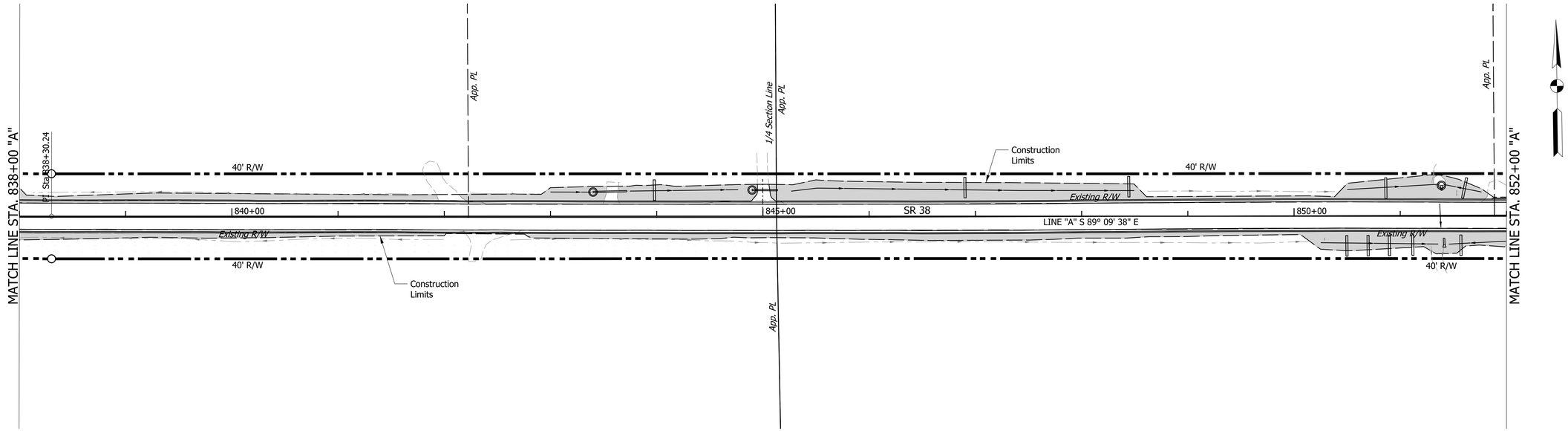

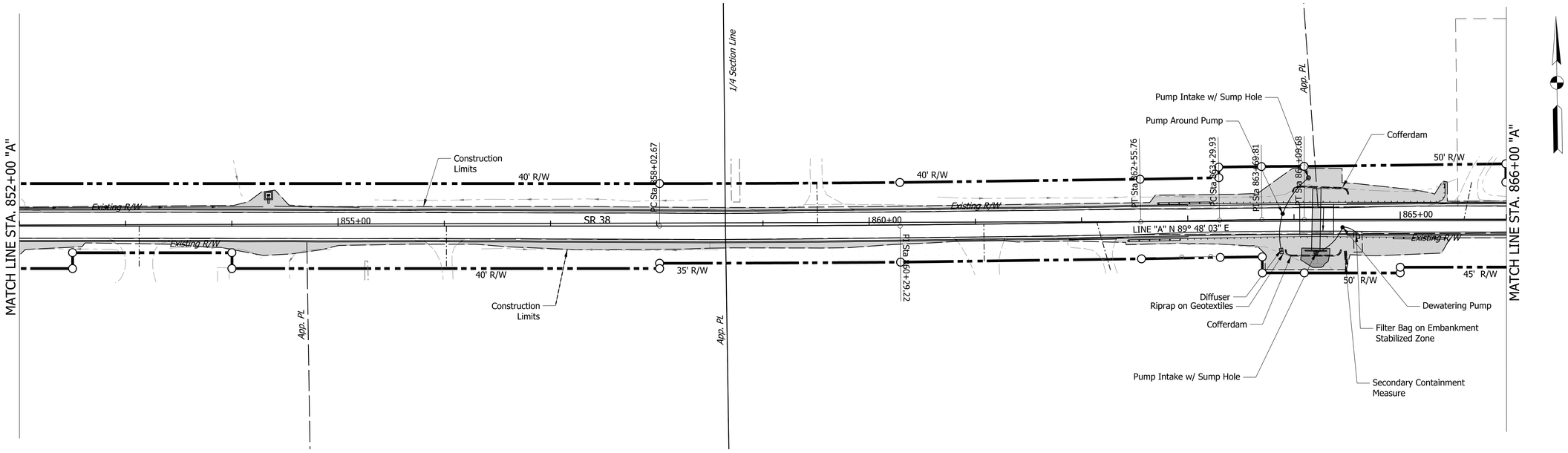

LEGEND

- SF — Perimeter Protection (Silt Fence)
- Temporary Inlet Protection (Filter Bag Insert)
- Temporary Inlet Protection (Gravel Ring)
- Temporary Sediment Trap
- Temporary Traversable Check Dam
- Temporary Check Dam (Revetment Riprap)
- Permanent Riprap
- Proposed Ditch Flowline
- Temporary Seeding

RECOMMENDED FOR APPROVAL _____ 2/11/2021
DESIGN ENGINEER DATE

DESIGNED: WB | DRAWN: MH
CHECKED: JR | CHECKED: WB

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS
STA. 838+00 "A" TO STA. 866+00 "A"

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	123 of 478
CONTRACT	PROJECT
RS-40528	1601074

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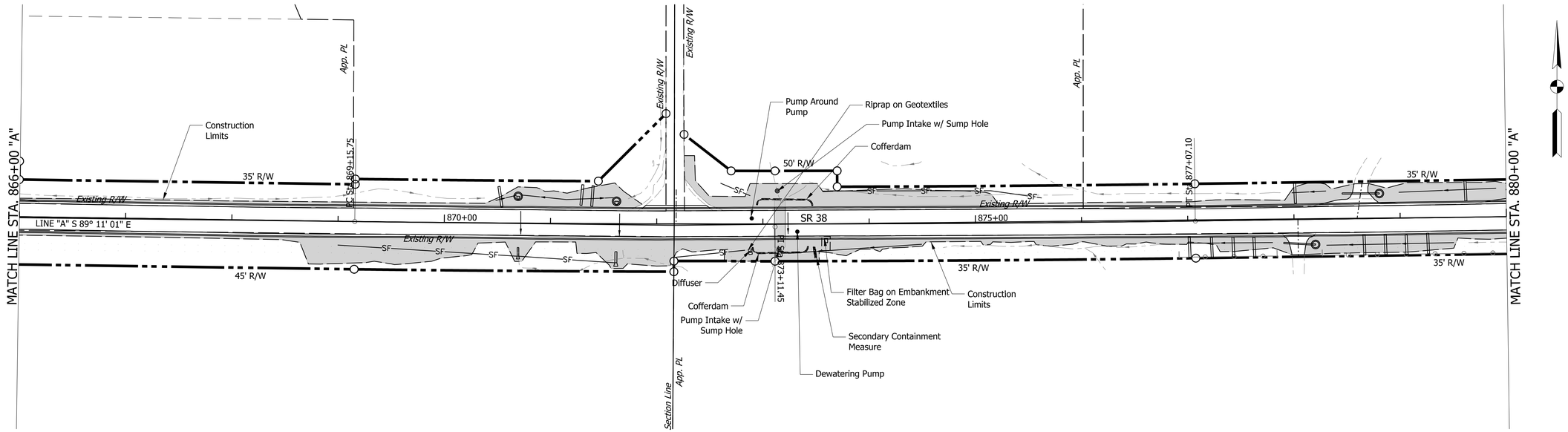

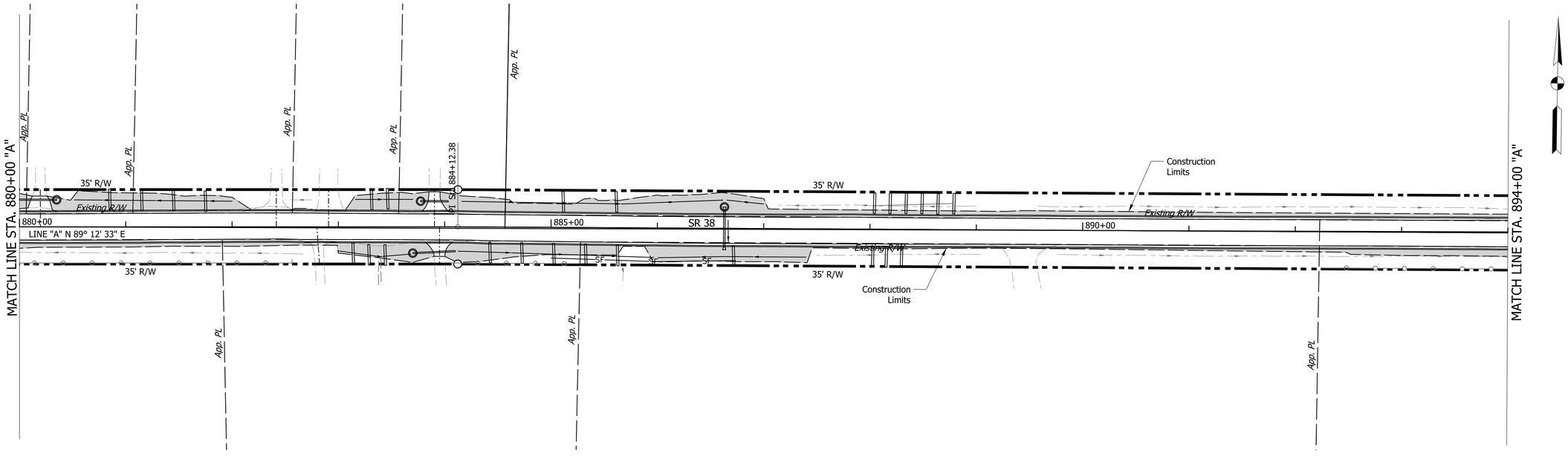

LEGEND

- SF — Perimeter Protection (Silt Fence)
- Temporary Inlet Protection (Filter Bag Insert)
- Temporary Inlet Protection (Gravel Ring)
- Temporary Sediment Trap
- Temporary Traversable Check Dam
- Temporary Check Dam (Revetment Riprap)
- Permanent Riprap
- Proposed Ditch Flowline
- Temporary Seeding

RECOMMENDED FOR APPROVAL _____ 2/17/2021
DESIGN ENGINEER DATE

DESIGNED: WB | DRAWN: MH
CHECKED: JR | CHECKED: WB

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS
STA. 866+00 "A" TO STA. 894+00 "A"

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	124 of 478
CONTRACT	PROJECT
RS-40528	1601074

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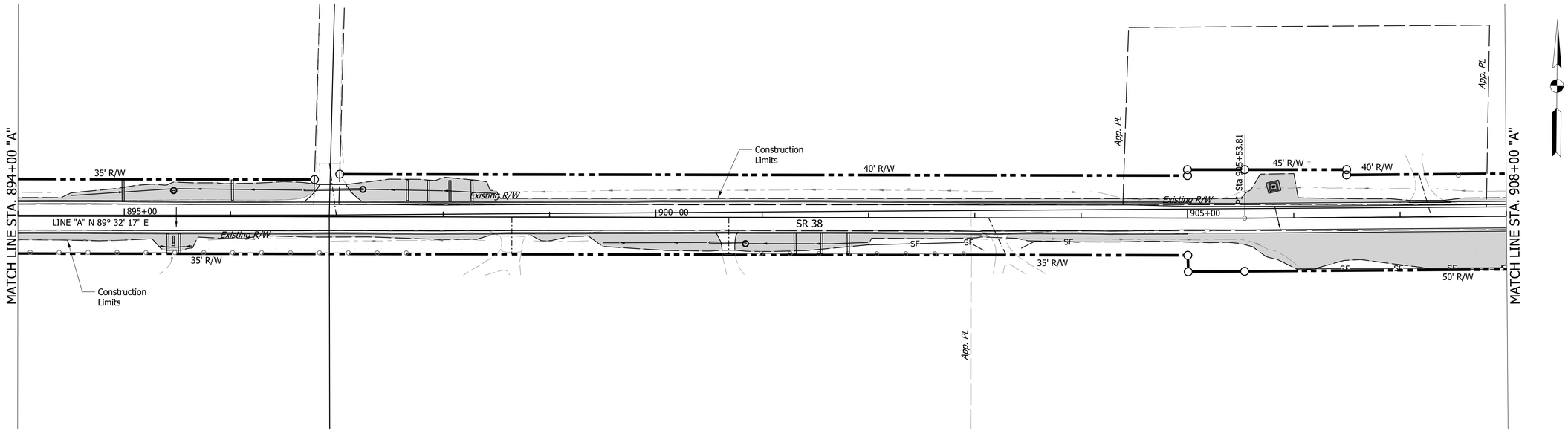

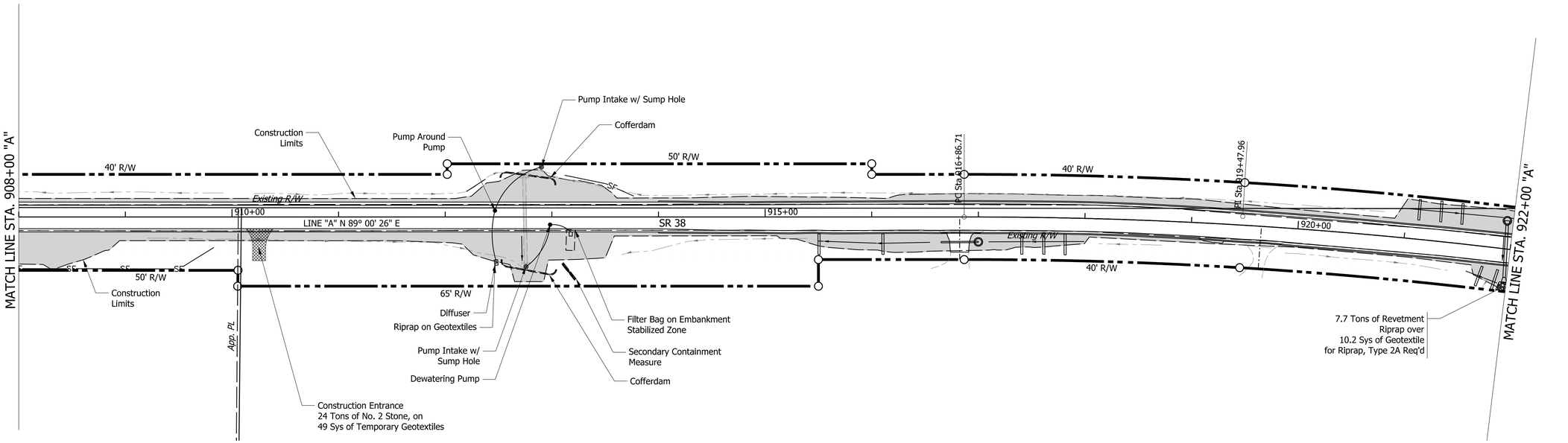

LEGEND

- SF — Perimeter Protection (Silt Fence)
- Temporary Inlet Protection (Filter Bag Insert)
- Temporary Inlet Protection (Gravel Ring)
- Temporary Sediment Trap
- Temporary Traversable Check Dam
- Temporary Check Dam (Revetment Riprap)
- Permanent Riprap
- Proposed Ditch Flowline
- Temporary Seeding

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 2/11/2021 — DATE

DESIGNED: WB | DRAWN: MH | CHECKED: JR | CHECKED: WB

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS
STA. 894+00 "A" TO STA. 922+00 "A"

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	125 of 478
CONTRACT	PROJECT
RS-40528	1601074

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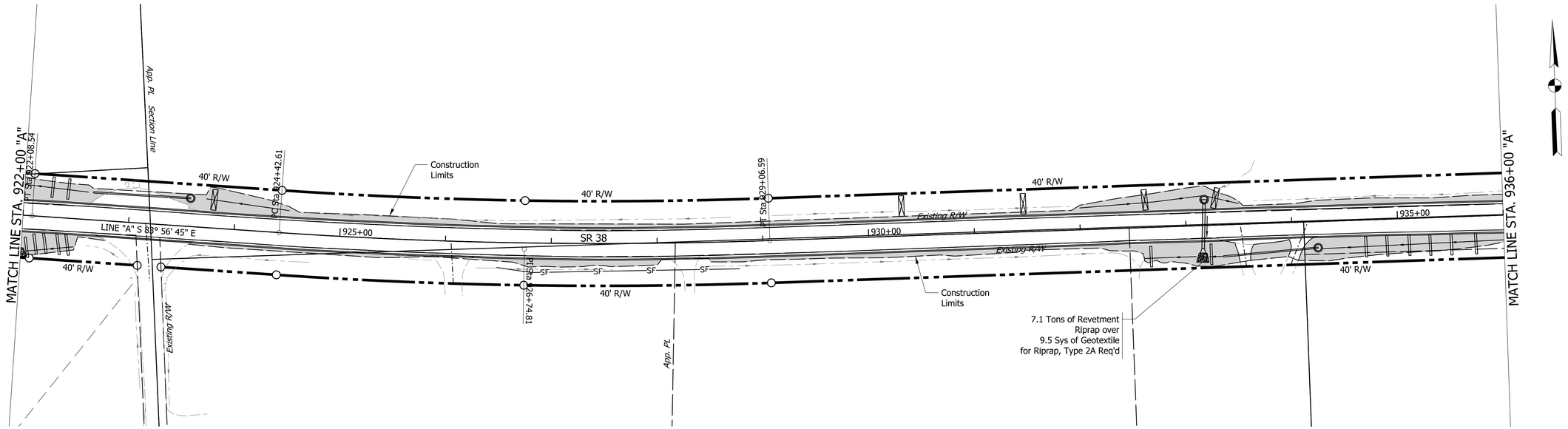

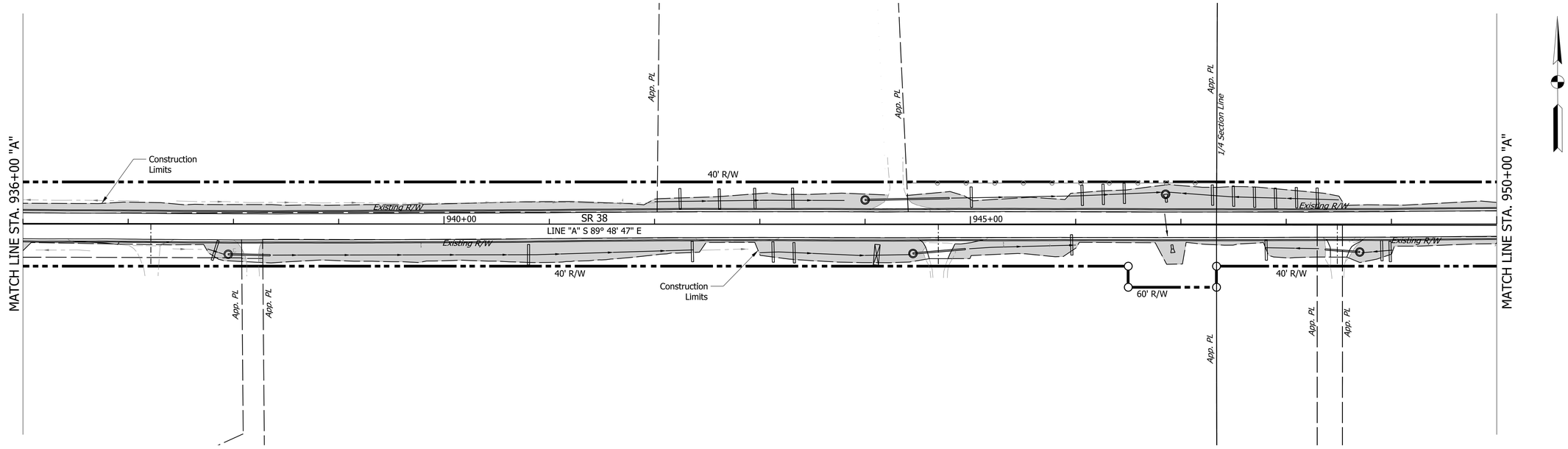

LEGEND

- SF — Perimeter Protection (Silt Fence)
- Temporary Inlet Protection (Filter Bag Insert)
- Temporary Inlet Protection (Gravel Ring)
- Temporary Sediment Trap
- Temporary Traversable Check Dam
- Temporary Check Dam (Revetment Riprap)
- Permanent Riprap
- Proposed Ditch Flowline
- Temporary Seeding

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 2/17/2021 — DATE

DESIGNED: WB | DRAWN: MH

CHECKED: JR | CHECKED: WB

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS
STA. 922+00 "A" TO STA. 950+00 "A"

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	126 of 478
CONTRACT	PROJECT
RS-40528	1601074

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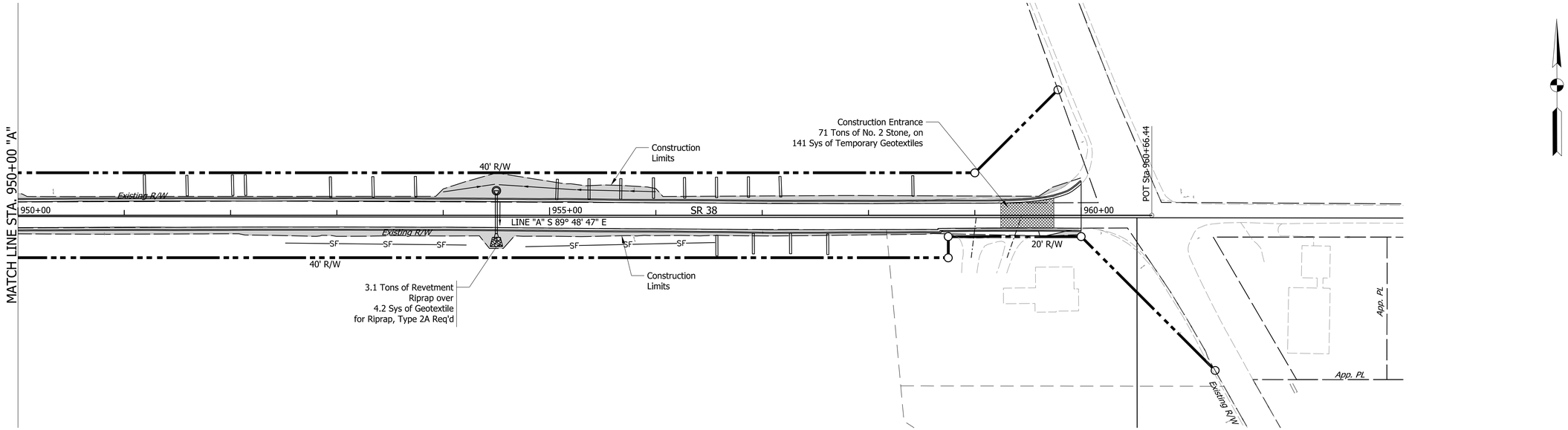

LEGEND

- SF — Perimeter Protection (Silt Fence)
- Temporary Inlet Protection (Filter Bag Insert)
- Temporary Inlet Protection (Gravel Ring)
- Temporary Sediment Trap
- Temporary Traversable Check Dam
- Temporary Check Dam (Revetment Riprap)
- Permanent Riprap
- Proposed Ditch Flowline
- Temporary Seeding

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 2/17/2021 — DATE

DESIGNED: WB | DRAWN: MH

CHECKED: JR | CHECKED: WB

INDIANA
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS
STA. 950+00 "A" TO STA. 960+00 "A"

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	127 of 478
CONTRACT	PROJECT
RS-40528	1601074

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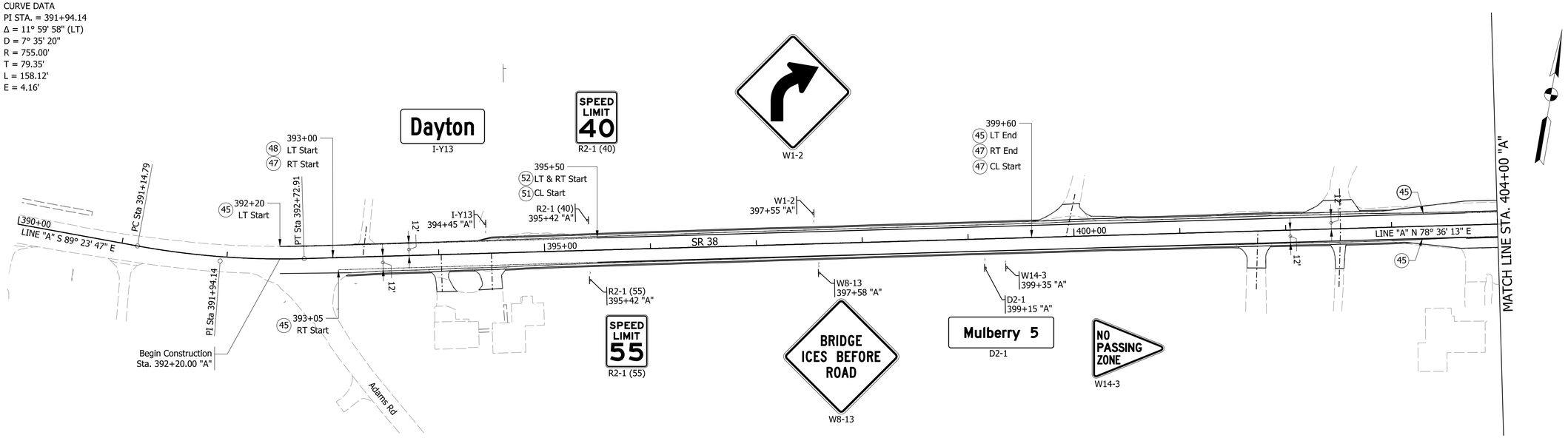
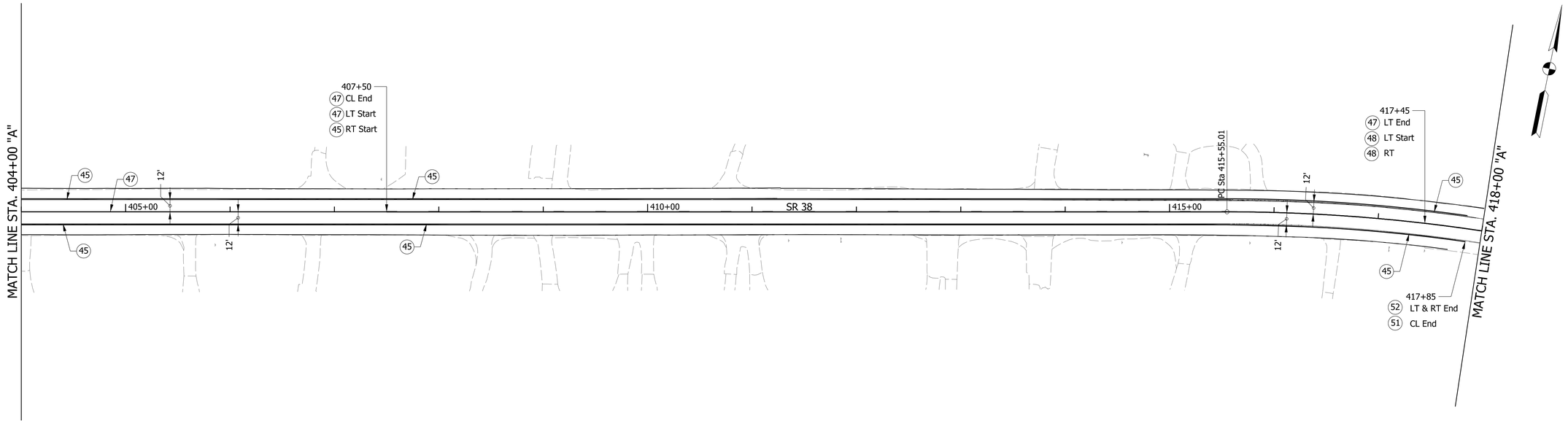
CURVE DATA
PI STA. = 391+94.14
Δ = 11° 59' 58" (LT)
D = 7° 35' 20"
R = 755.00'
T = 79.35'
L = 158.12'
E = 4.16'





LEGEND

- 45 Line, Thermoplastic, Solid White, 4 in.
- 46 Line, Thermoplastic, Solid White, 24 in.
- 47 Line, Thermoplastic, Broken, Yellow, 4 in.
- 48 Line, Thermoplastic, Solid Yellow, 4 in.
- 51 Rumble Stripe (Centerline)
- 52 Rumble Stripe (Edgeline)
- Transverse Marking Thermoplastic Lane Indication Arrow

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER — 2/17/2021 DATE

DESIGNED: KS | DRAWN: MH
CHECKED: JR | CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND
TRAFFIC SIGN DETAILS

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	128 of 478
CONTRACT	PROJECT
RS-40528	1601074

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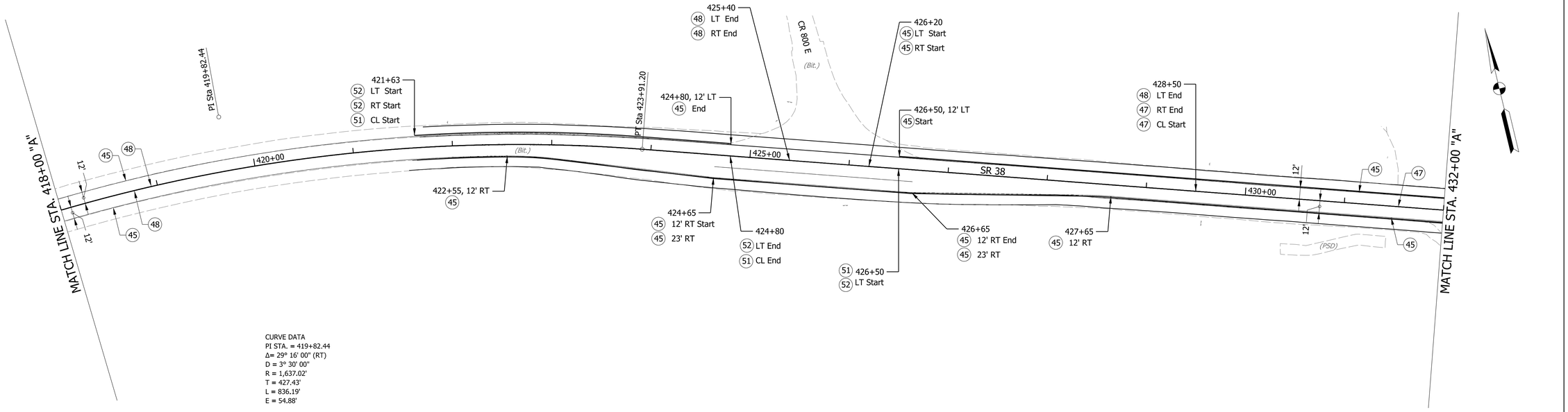
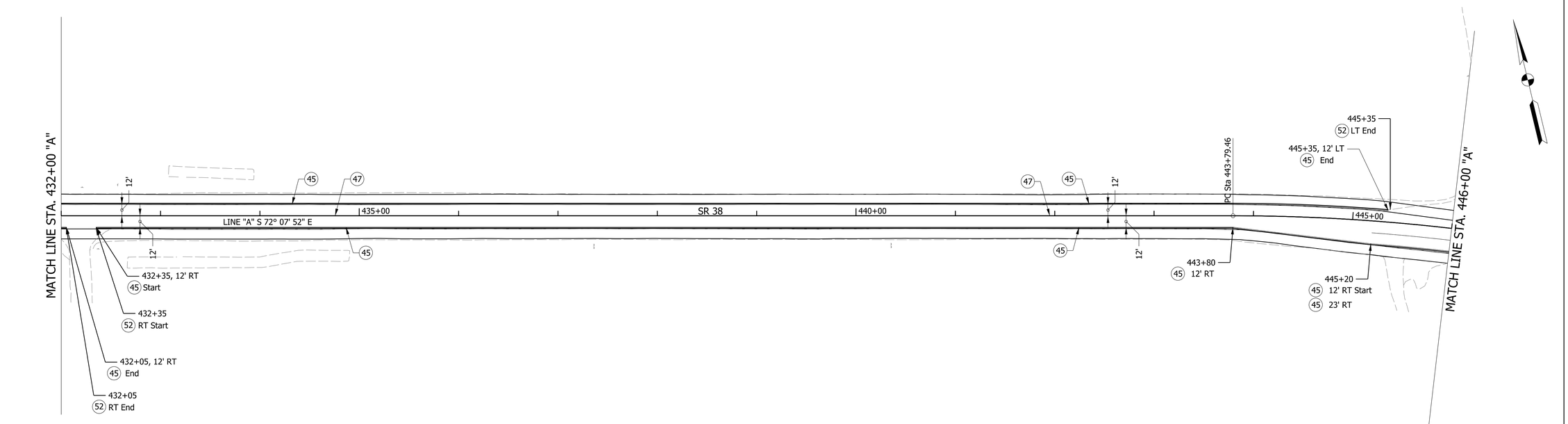


CURVE DATA
PI STA. = 419+82.44
Δ= 29° 16' 00" (RT)
D = 3° 30' 00"
R = 1,637.02'
T = 427.43'
L = 836.19'
E = 54.88'



LEGEND

45 Line, Thermoplastic, Solid White, 4 in.
46 Line, Thermoplastic, Solid White, 24 in.
47 Line, Thermoplastic, Broken, Yellow, 4 in.
48 Line, Thermoplastic, Solid Yellow, 4 in.
51 Rumble Stripe (Centerline)
52 Rumble Stripe (Edgeline)
Transverse Marking Thermoplastic Lane Indication Arrow

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER 2/11/2021 DATE

DESIGNED: KS DRAWN: MH
CHECKED: JR CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND TRAFFIC SIGN DETAILS

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	129 of 478
CONTRACT	PROJECT
RS-40528	1601074

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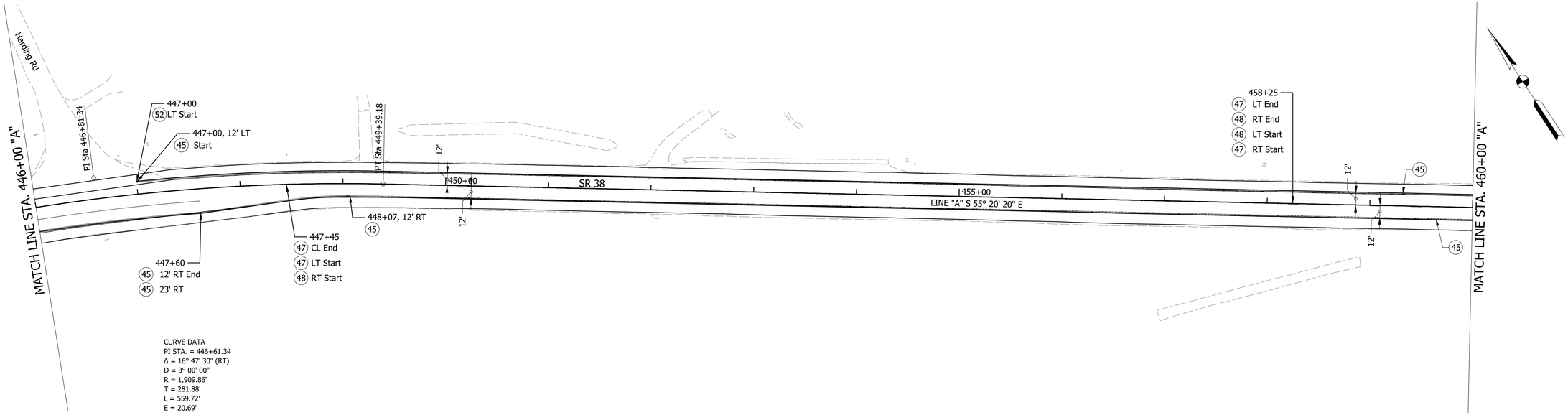
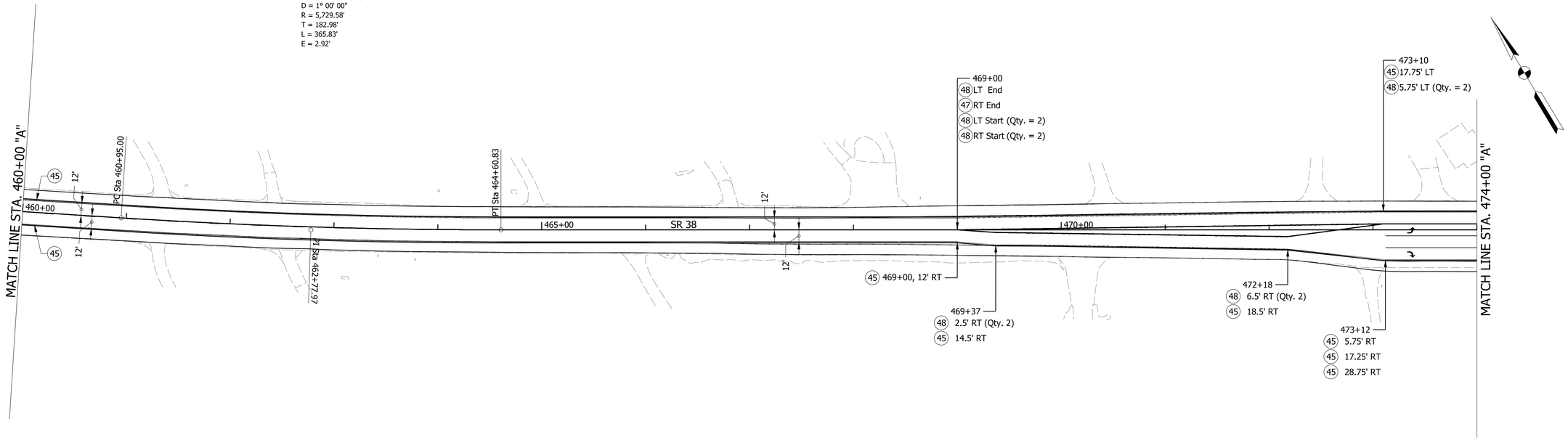


CURVE DATA
PI STA. = 446+61.34
Δ = 16° 47' 30" (RT)
D = 3° 00' 00"
R = 1,909.86'
T = 281.88'
L = 559.72'
E = 20.69'

CURVE DATA
PI STA. = 462+77.97
Δ = 3° 39' 30" (LT)
D = 1° 00' 00"
R = 5,729.58'
T = 182.98'
L = 365.83'
E = 2.92'



LEGEND

- 45 Line, Thermoplastic, Solid White, 4 in.
- 46 Line, Thermoplastic, Solid White, 24 in.
- 47 Line, Thermoplastic, Broken, Yellow, 4 in.
- 48 Line, Thermoplastic, Solid Yellow, 4 in.
- 51 Rumble Stripe (Centerline)
- 52 Rumble Stripe (Edgeline)
- Transverse Marking Thermoplastic Lane Indication Arrow

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER — 2/11/2021 DATE

DESIGNED: KS | DRAWN: MH
CHECKED: JR | CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND TRAFFIC SIGN DETAILS

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	130 of 478
CONTRACT	PROJECT
RS-40528	1601074

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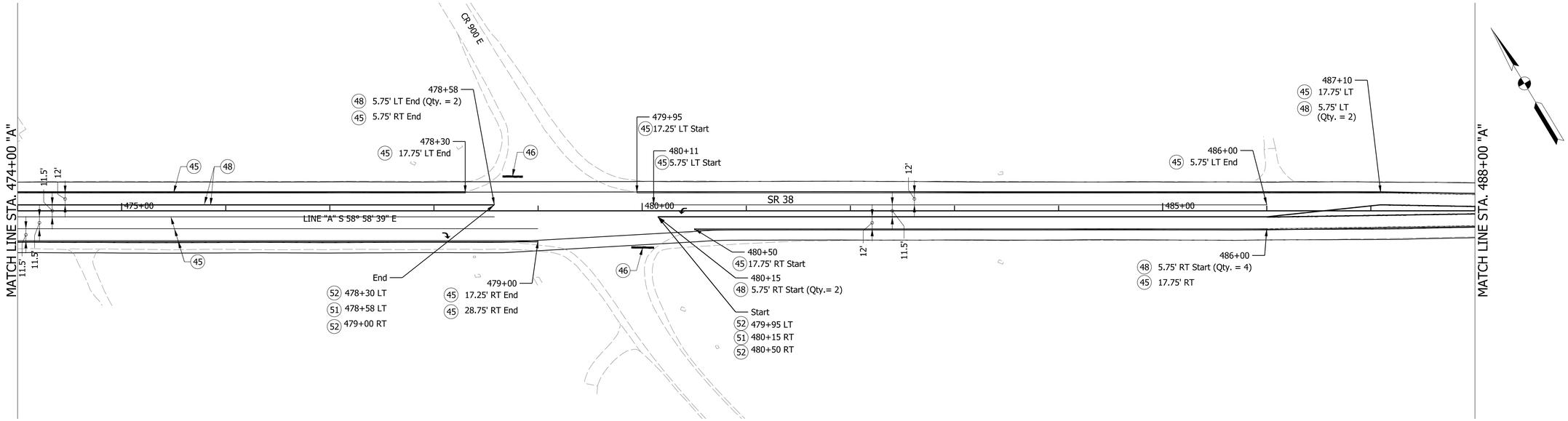

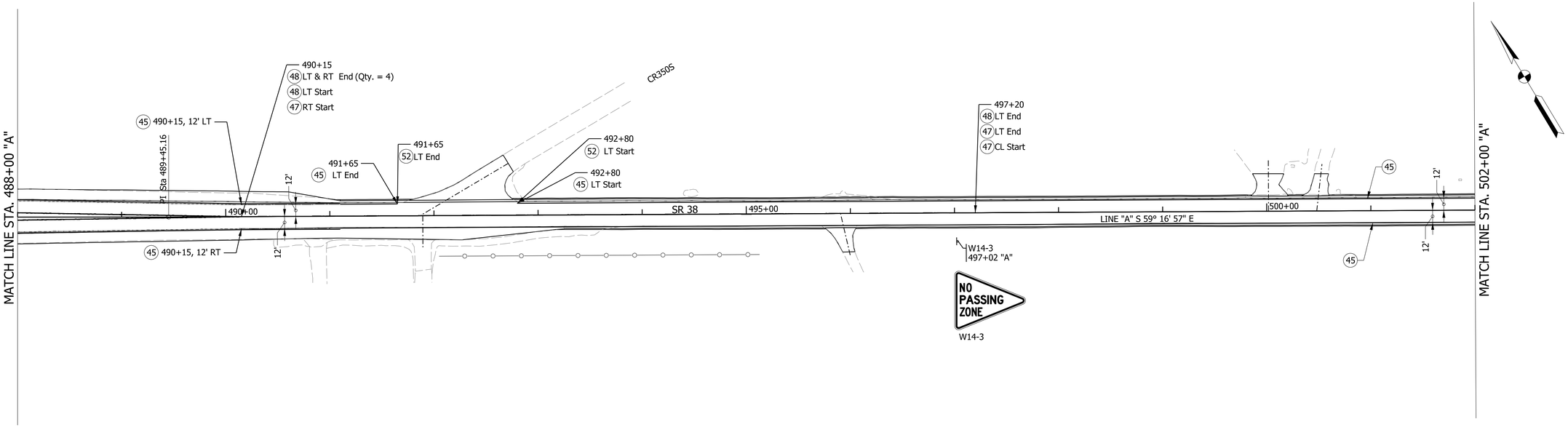

LEGEND

(45) Line, Thermoplastic, Solid White, 4 in.
(46) Line, Thermoplastic, Solid White, 24 in.
(47) Line, Thermoplastic, Broken, Yellow, 4 in.
(48) Line, Thermoplastic, Solid Yellow, 4 in.
(51) Rumble Stripe (Centerline)
(52) Rumble Stripe (Edgeline)
Transverse Marking Thermoplastic Lane Indication Arrow

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 2/17/2021 — DATE

DESIGNED: KS | DRAWN: MH
CHECKED: JR | CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND
TRAFFIC SIGN DETAILS

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	131 of 478
CONTRACT	PROJECT
RS-40528	1601074

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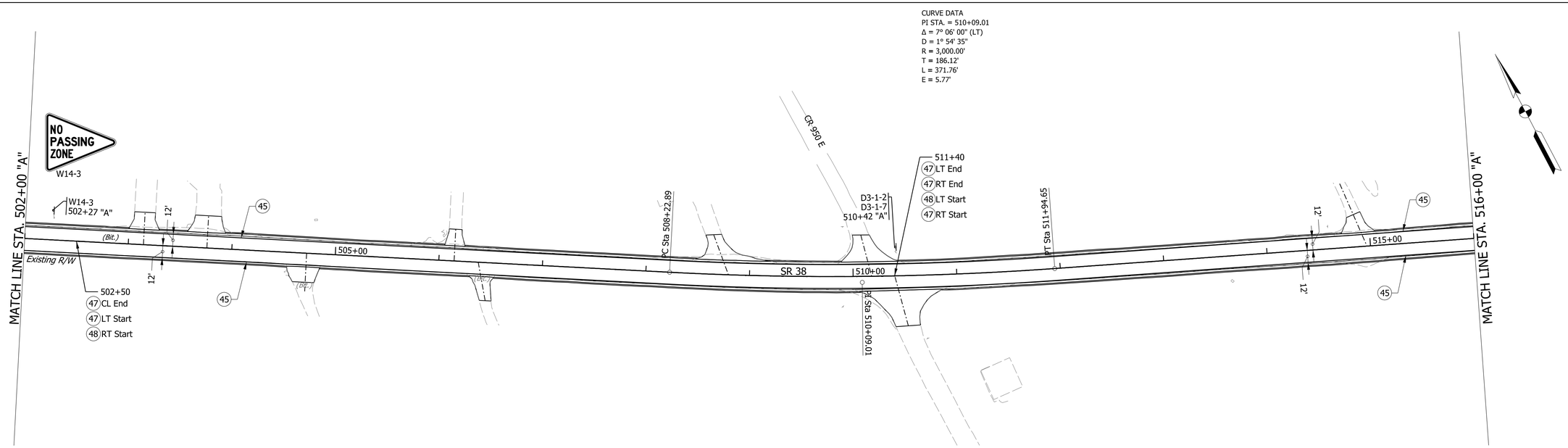

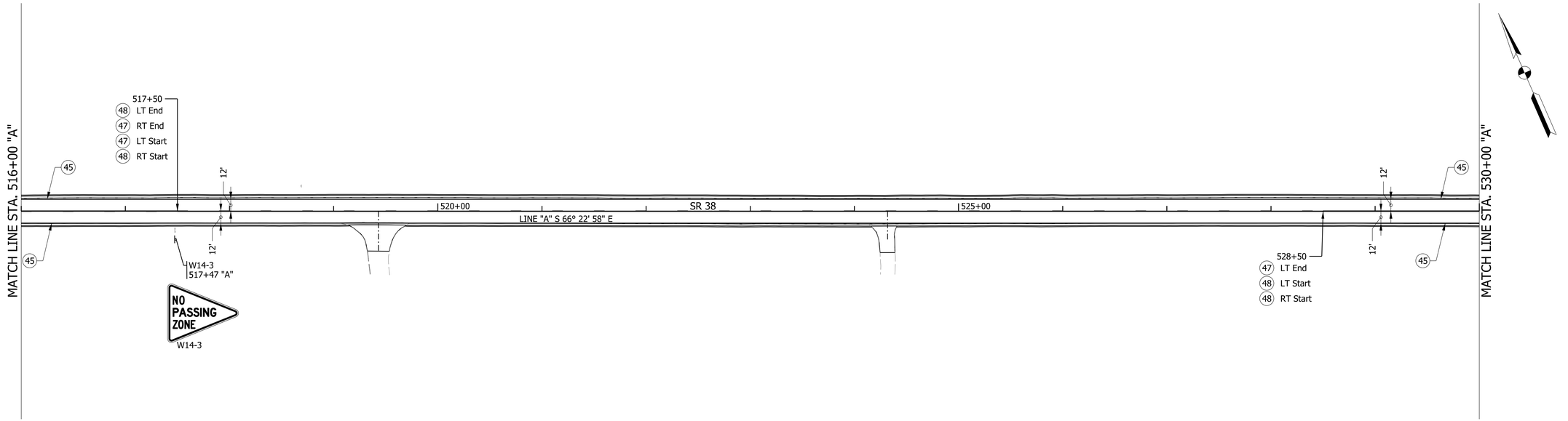

LEGEND

- (45) Line, Thermoplastic, Solid White, 4 in.
- (46) Line, Thermoplastic, Solid White, 24 in.
- (47) Line, Thermoplastic, Broken, Yellow, 4 in.
- (48) Line, Thermoplastic, Solid Yellow, 4 in.
- (51) Rumble Stripe (Centerline)
- (52) Rumble Stripe (Edgeline)
- Transverse Marking Thermoplastic Lane Indication Arrow

RECOMMENDED FOR APPROVAL _____ 2/17/2021
DESIGN ENGINEER DATE

DESIGNED: KS DRAWN: MH
CHECKED: JR CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND
TRAFFIC SIGN DETAILS

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	132 of 478
CONTRACT	PROJECT
RS-40528	1601074

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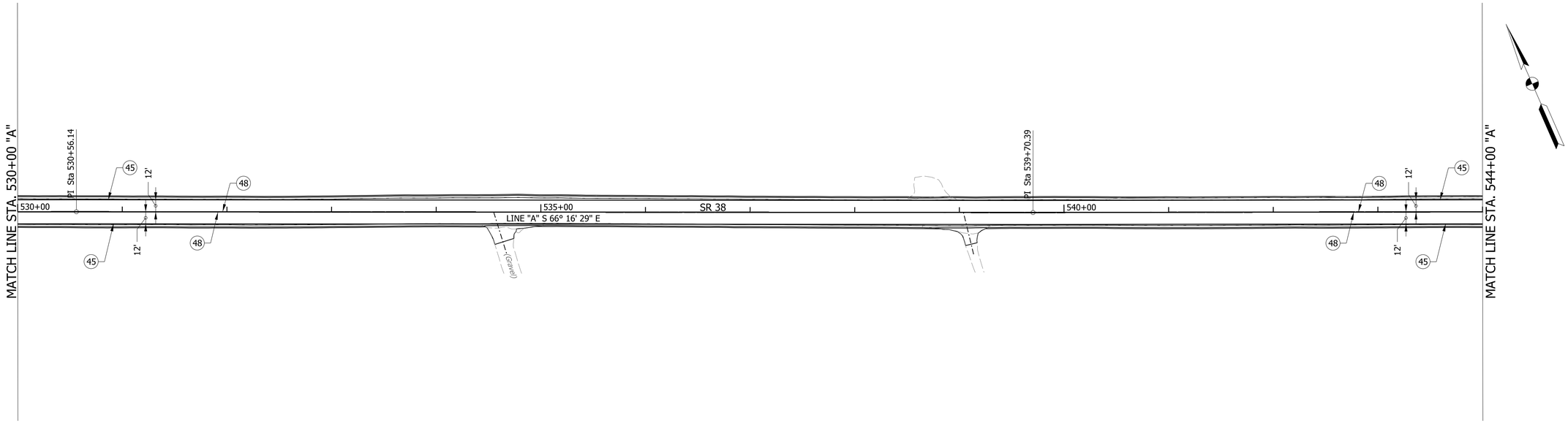

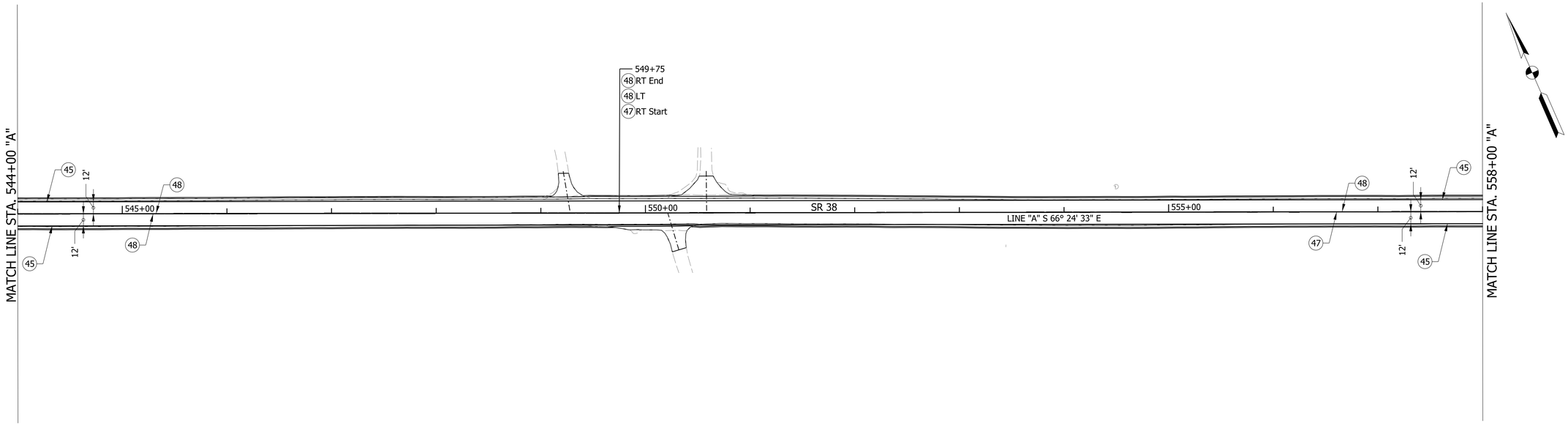

LEGEND

- (45) Line, Thermoplastic, Solid White, 4 in.
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- (48) Line, Thermoplastic, Solid Yellow, 4 in.
- (51) Rumble Stripe (Centerline)
- (52) Rumble Stripe (Edgeline)

Transverse Marking Thermoplastic
Lane Indication Arrow

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER — 2/17/2021 DATE

DESIGNED: KS | DRAWN: MH
CHECKED: JR | CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND
TRAFFIC SIGN DETAILS

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	133 of 478
CONTRACT	PROJECT
RS-40528	1601074

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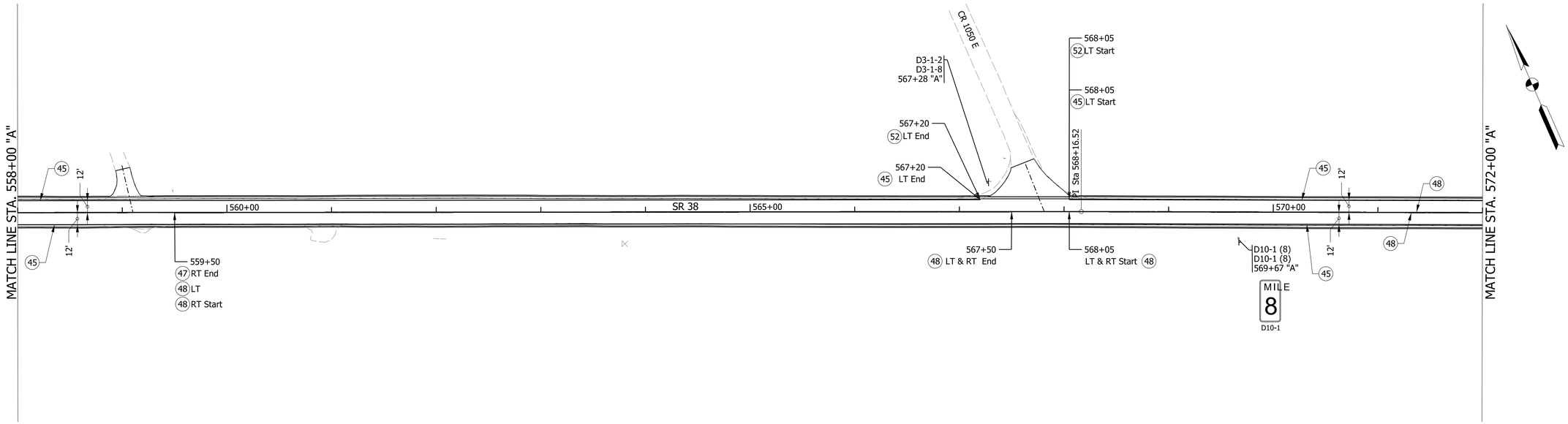

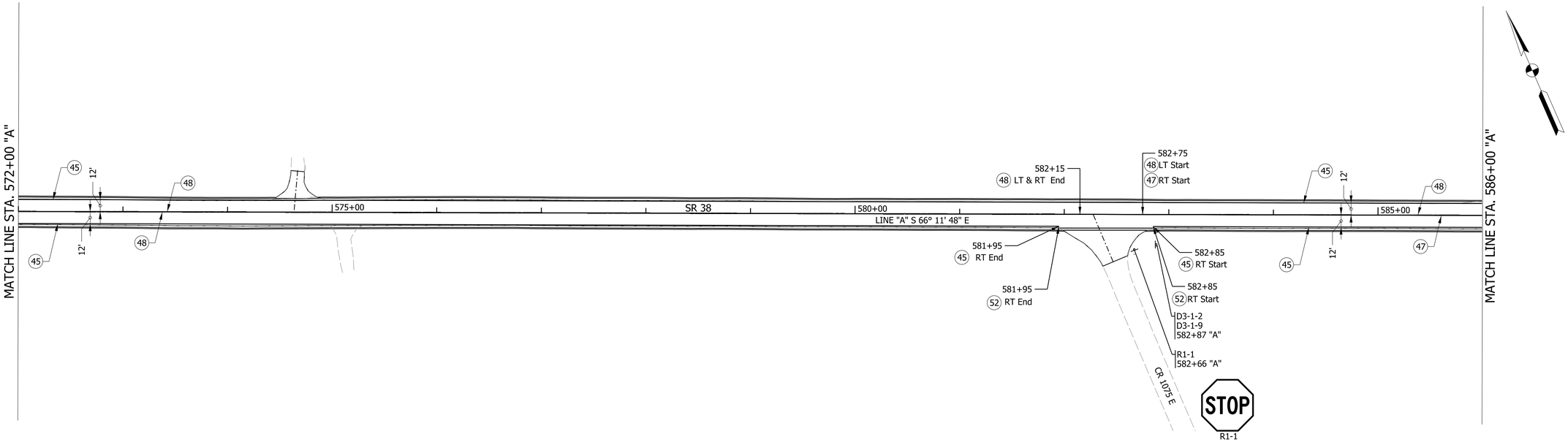

LEGEND

45 Line, Thermoplastic, Solid White, 4 in.
46 Line, Thermoplastic, Solid White, 24 in.
47 Line, Thermoplastic, Broken, Yellow, 4 in.
48 Line, Thermoplastic, Solid Yellow, 4 in.
51 Rumble Stripe (Centerline)
52 Rumble Stripe (Edgeline)

Transverse Marking Thermoplastic Lane Indication Arrow

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER — 2/17/2021 DATE

DESIGNED: KS
DRAWN: MH
CHECKED: JR
CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND TRAFFIC SIGN DETAILS

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	134 of 478
CONTRACT	PROJECT
RS-40528	1601074

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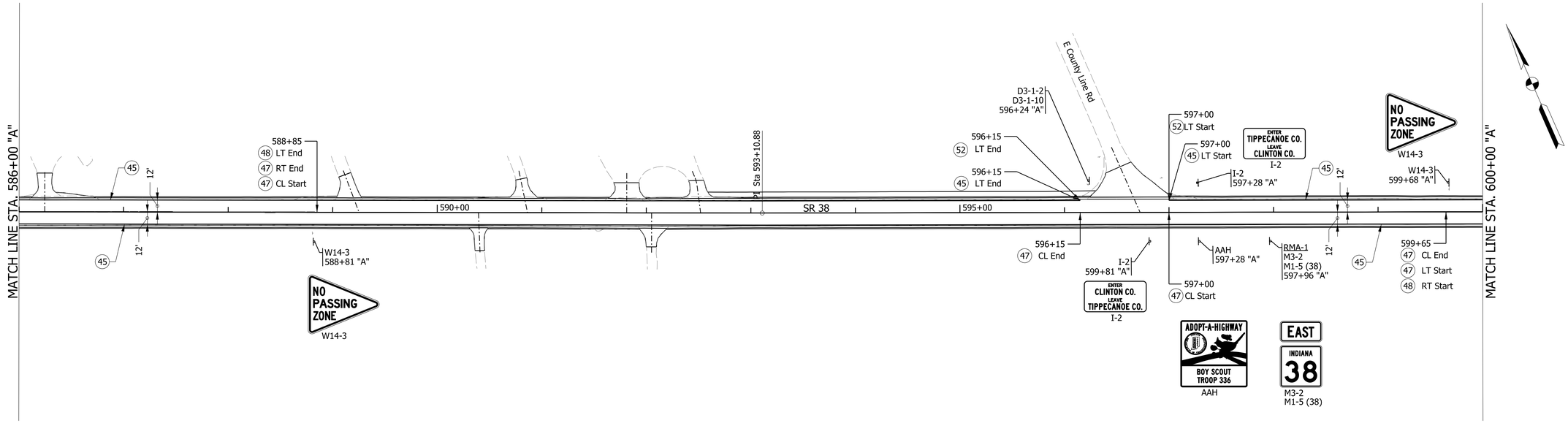

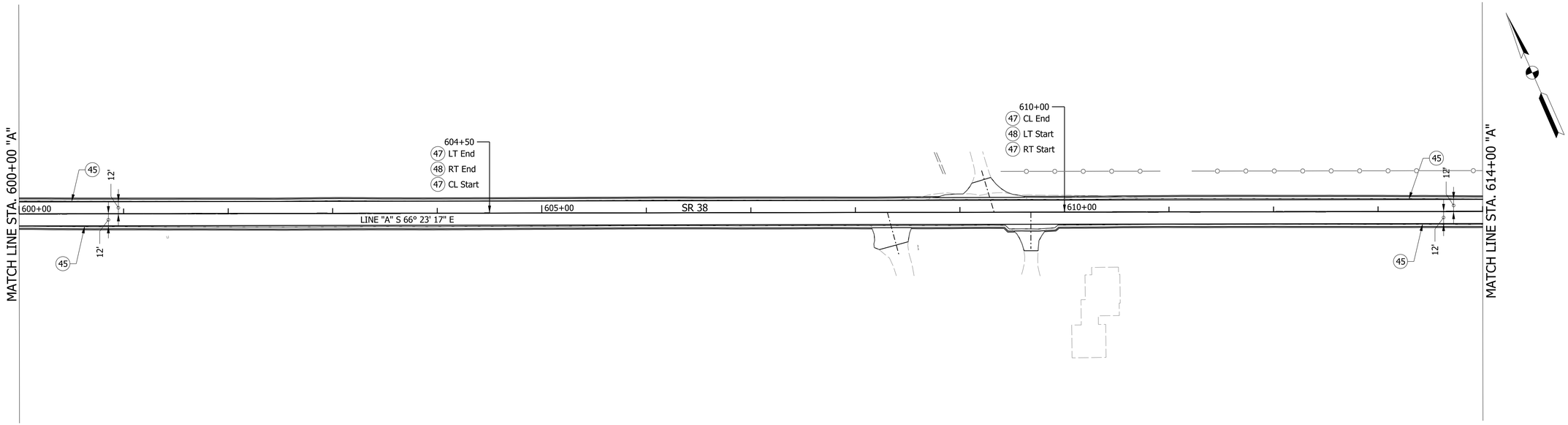

LEGEND

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INDIANA
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PAVEMENT MARKING AND TRAFFIC SIGN DETAILS

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1" = 50'	1601074
SURVEY BOOK	SHEETS
	135 of 478
CONTRACT	PROJECT
RS-40528	1601074

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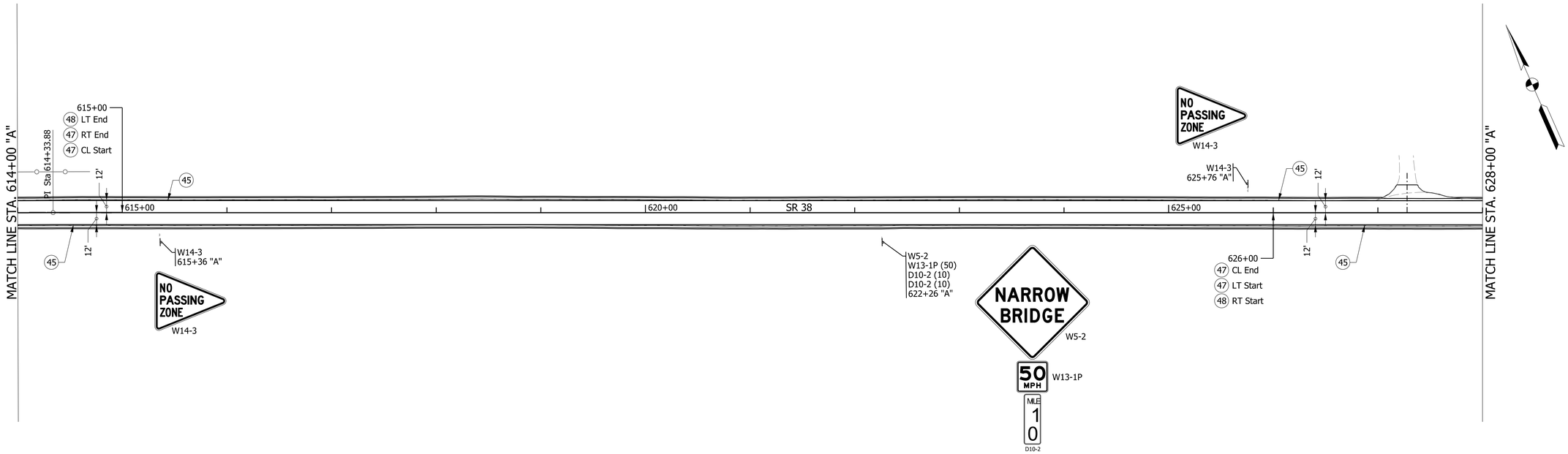

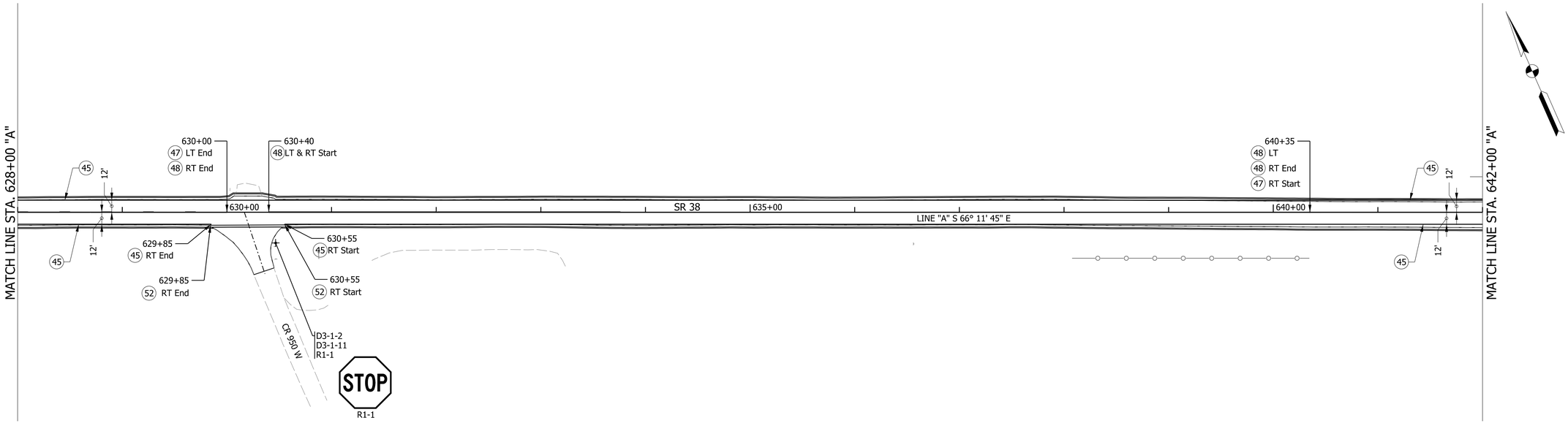

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Transverse Marking Thermoplastic Lane Indication Arrow

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PAVEMENT MARKING AND TRAFFIC SIGN DETAILS

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SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	136 of 478
CONTRACT	PROJECT
RS-40528	1601074

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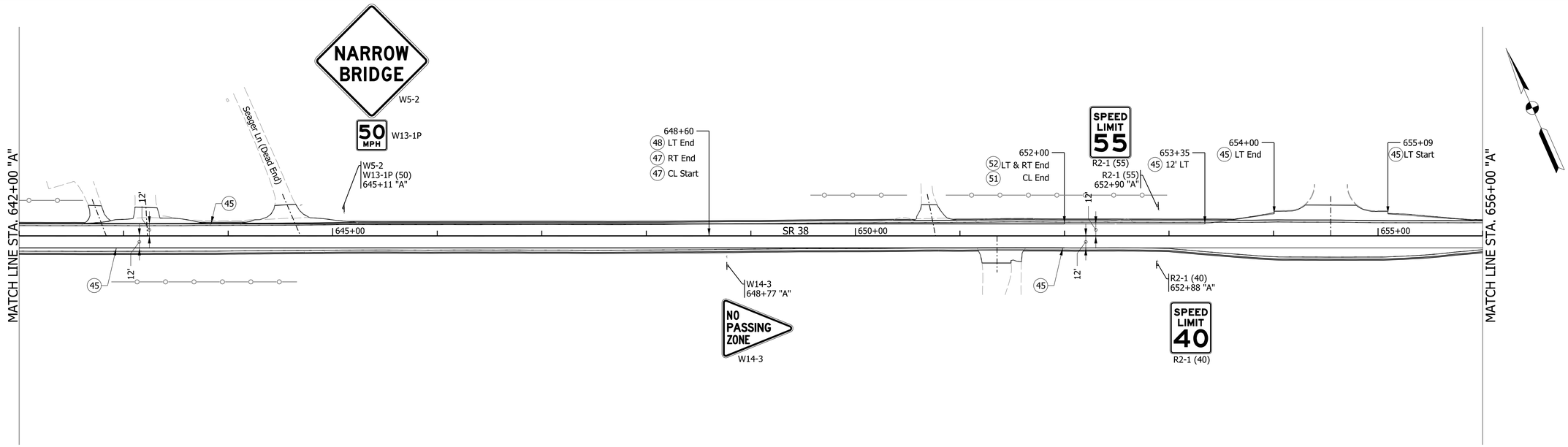

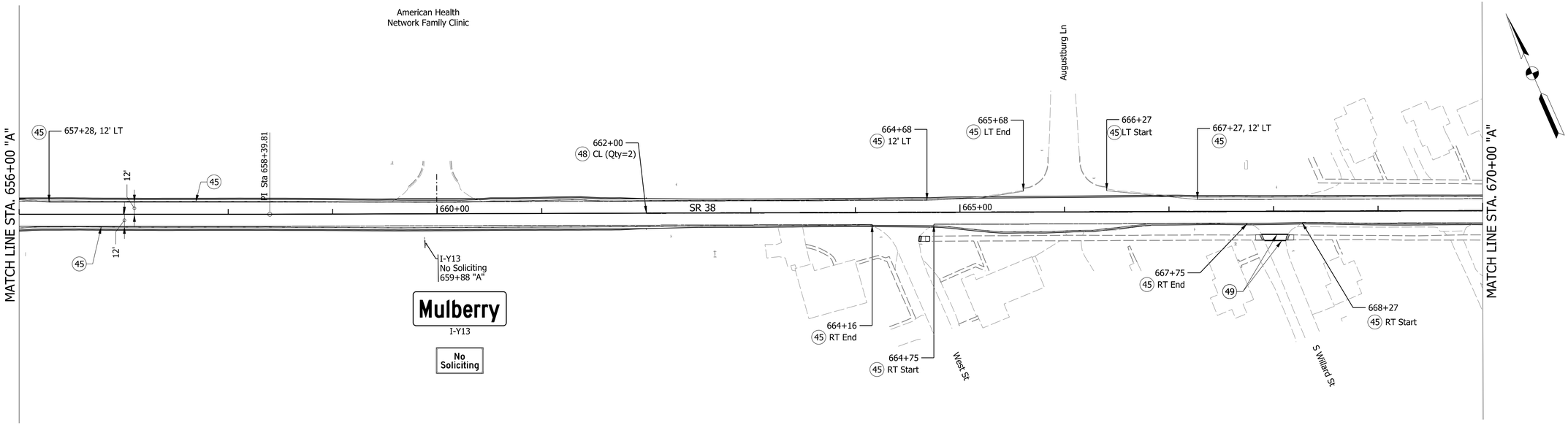

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DESIGN ENGINEER — 2/17/2021 — DATE

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PAVEMENT MARKING AND TRAFFIC SIGN DETAILS

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SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	137 of 478
CONTRACT	PROJECT
RS-40528	1601074

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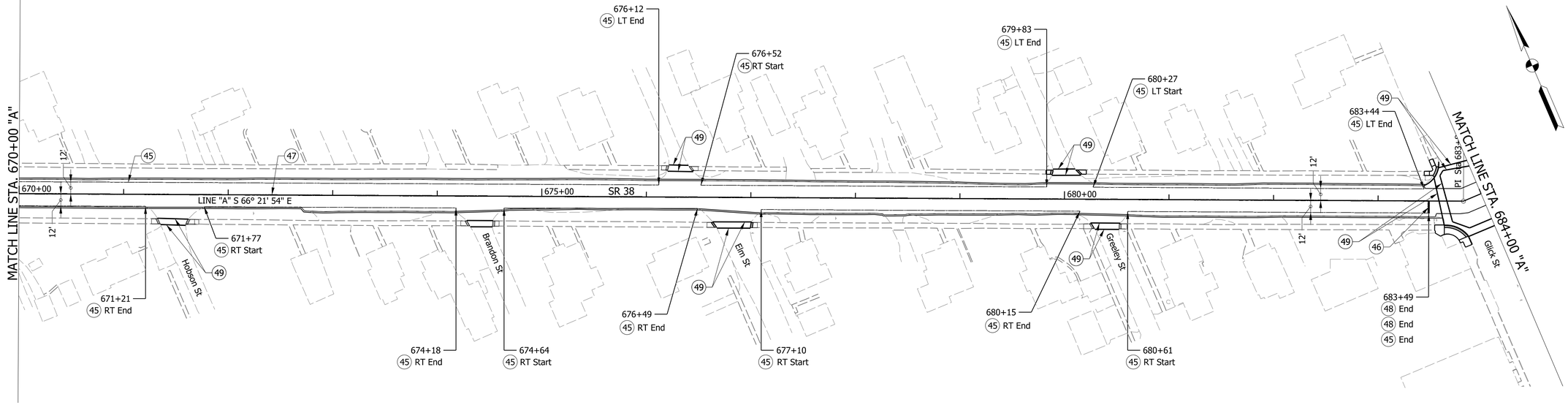

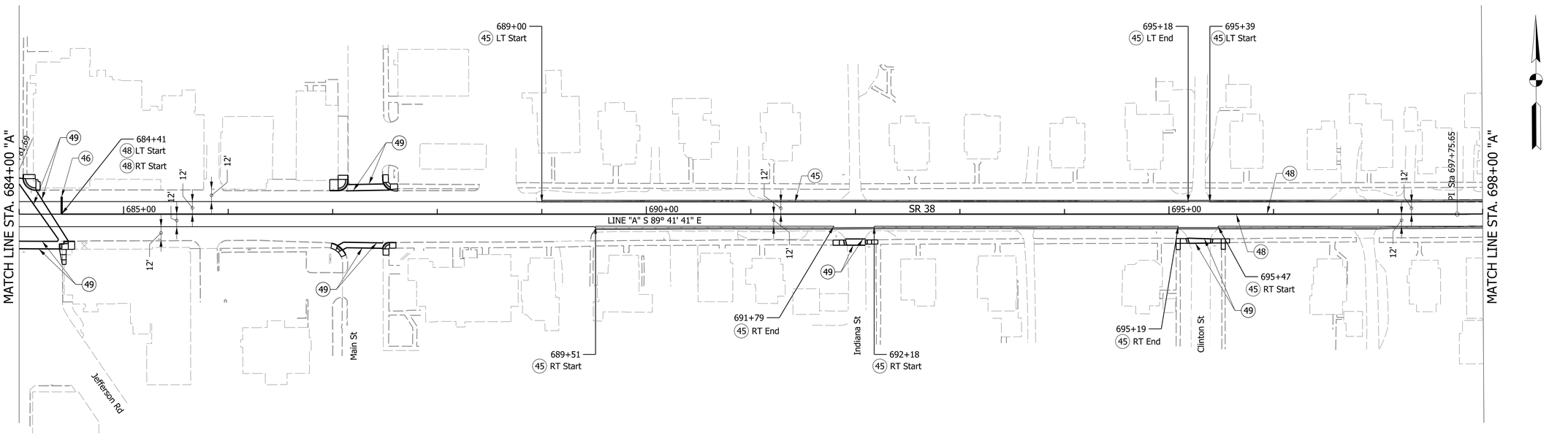

LEGEND

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- (52) Rumble Stripe (Edgeline)

Transverse Marking Thermoplastic Lane Indication Arrow

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DESIGN ENGINEER — 2/17/2021 — DATE

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INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND TRAFFIC SIGN DETAILS

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	138 of 478
CONTRACT	PROJECT
RS-40528	1601074

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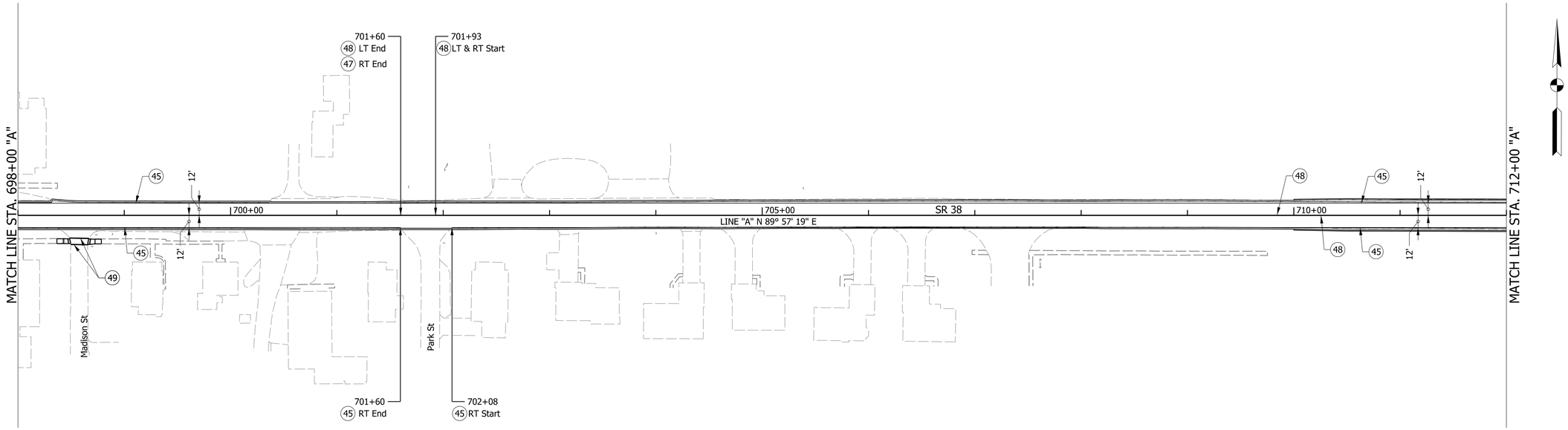

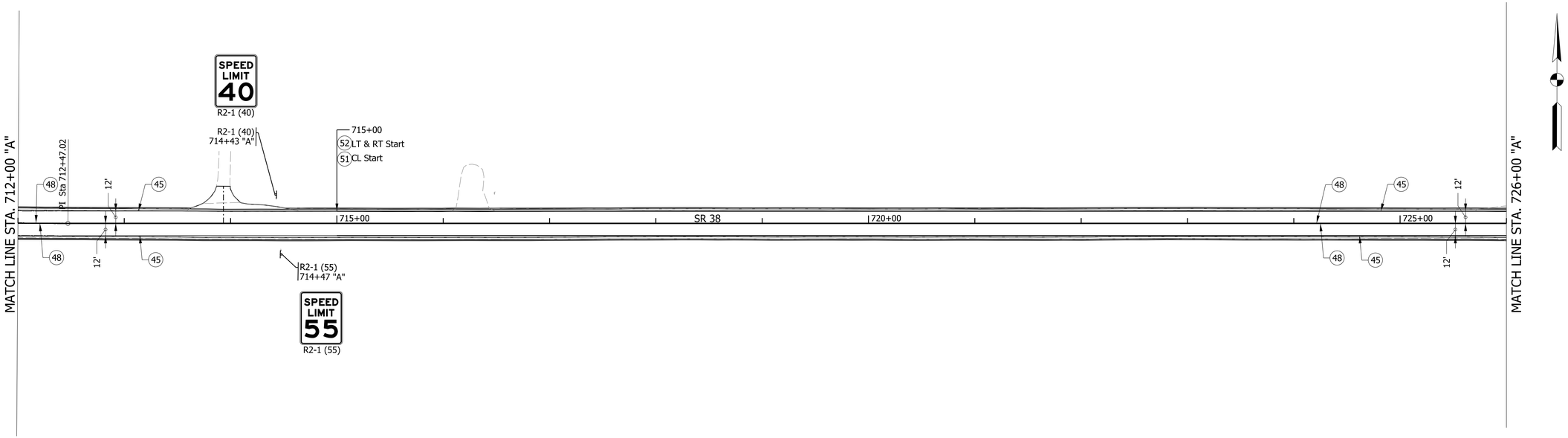

LEGEND

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Transverse Marking Thermoplastic Lane Indication Arrow

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — 2/11/2021 — DATE

DESIGNED: KS | DRAWN: MH
CHECKED: JR | CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND
TRAFFIC SIGN DETAILS

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	139 of 478
CONTRACT	PROJECT
RS-40528	1601074

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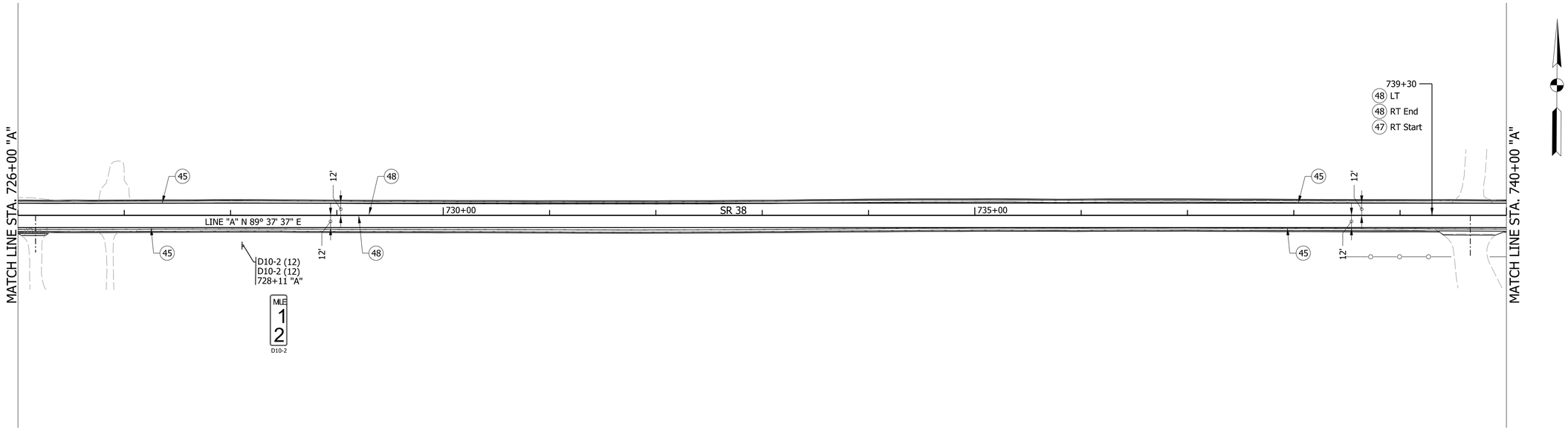

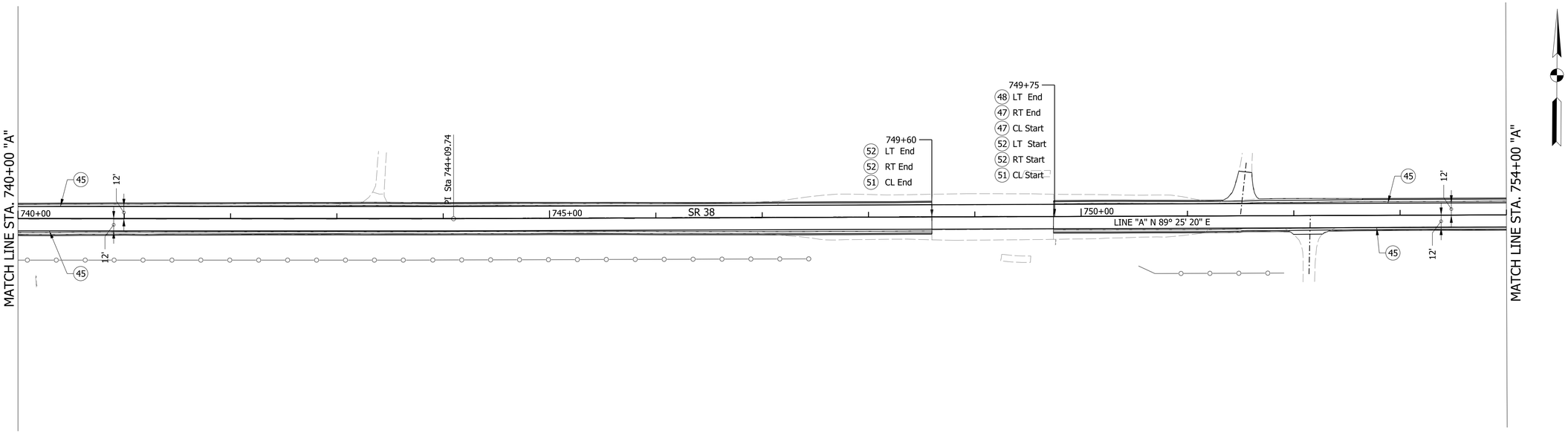

LEGEND

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Transverse Marking Thermoplastic Lane Indication Arrow

RECOMMENDED FOR APPROVAL	2/17/2021
DESIGN ENGINEER	DATE
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INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND
TRAFFIC SIGN DETAILS

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	140 of 478
CONTRACT	PROJECT
RS-40528	1601074

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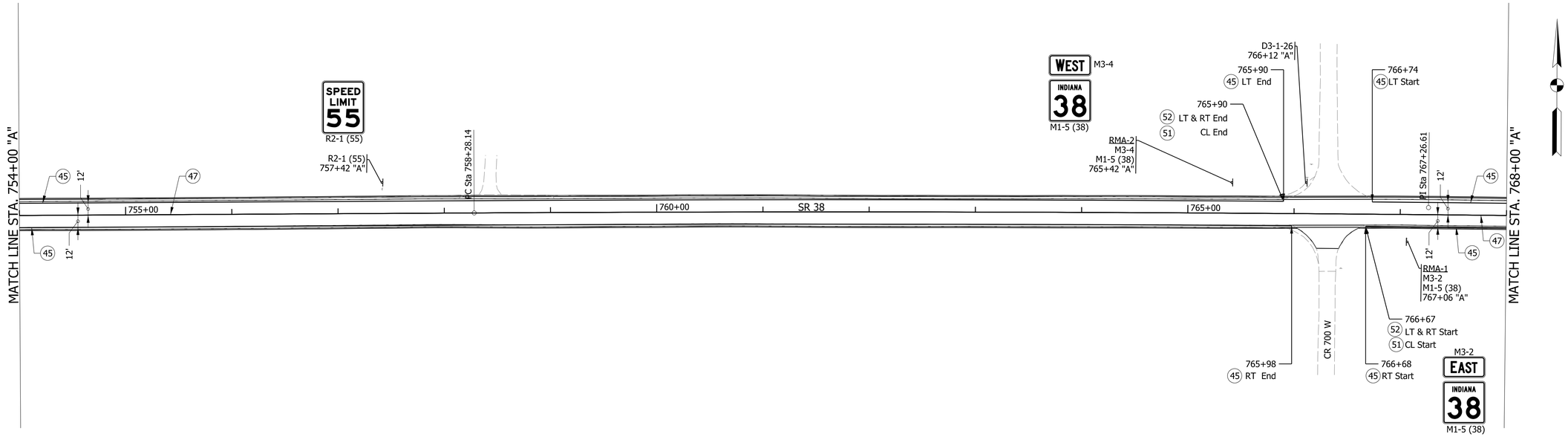

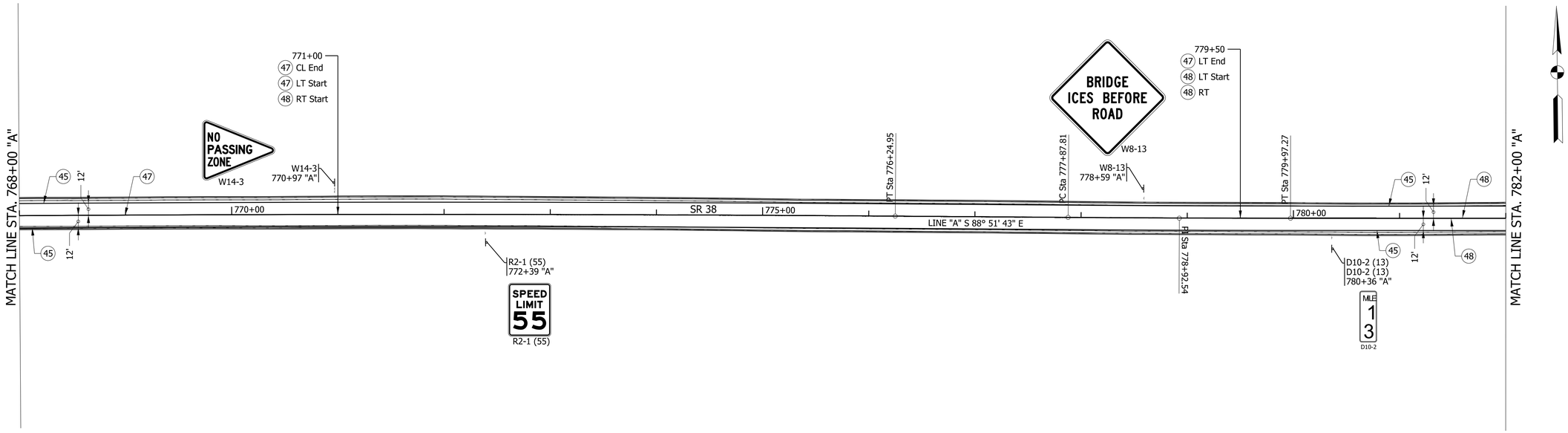

LEGEND

- 45 Line, Thermoplastic, Solid White, 4 in.
- 46 Line, Thermoplastic, Solid White, 24 in.
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- Transverse Marking Thermoplastic Lane Indication Arrow

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DESIGN ENGINEER — 2/17/2021 DATE

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INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND
TRAFFIC SIGN DETAILS

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	141 of 478
CONTRACT	PROJECT
RS-40528	1601074

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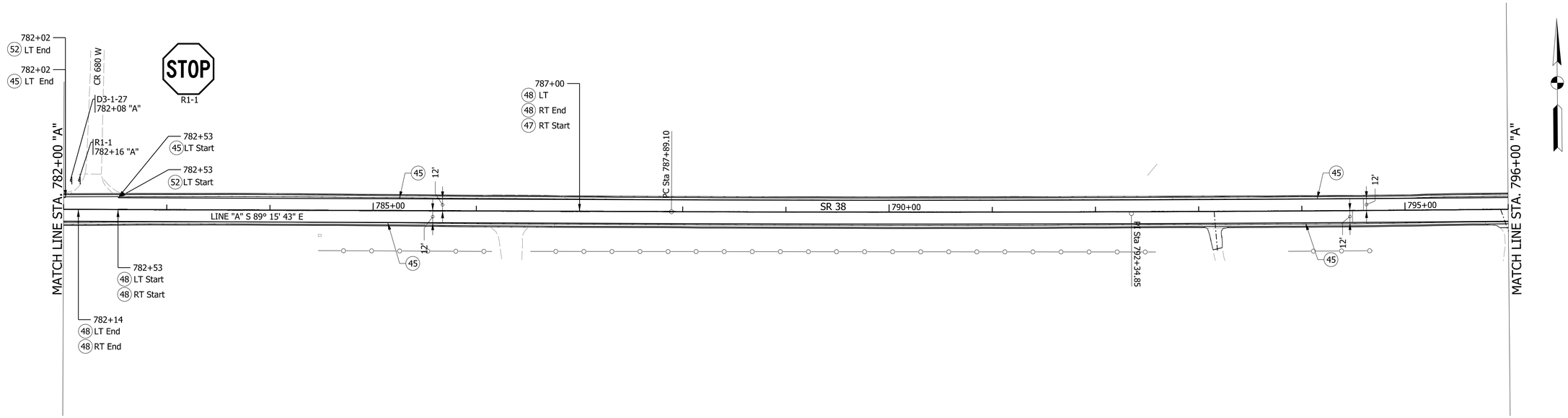

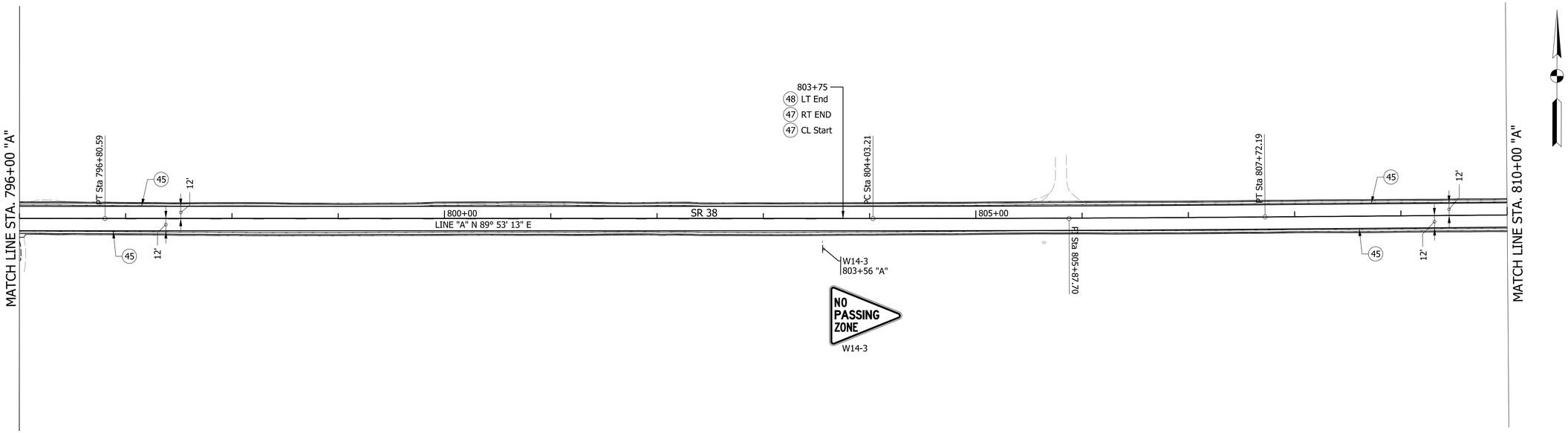

LEGEND

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Transverse Marking Thermoplastic Lane Indication Arrow

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER 2/11/2021 DATE

DESIGNED: KS DRAWN: MH
CHECKED: JR CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND TRAFFIC SIGN DETAILS

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	142 of 478
CONTRACT	PROJECT
RS-40528	1601074

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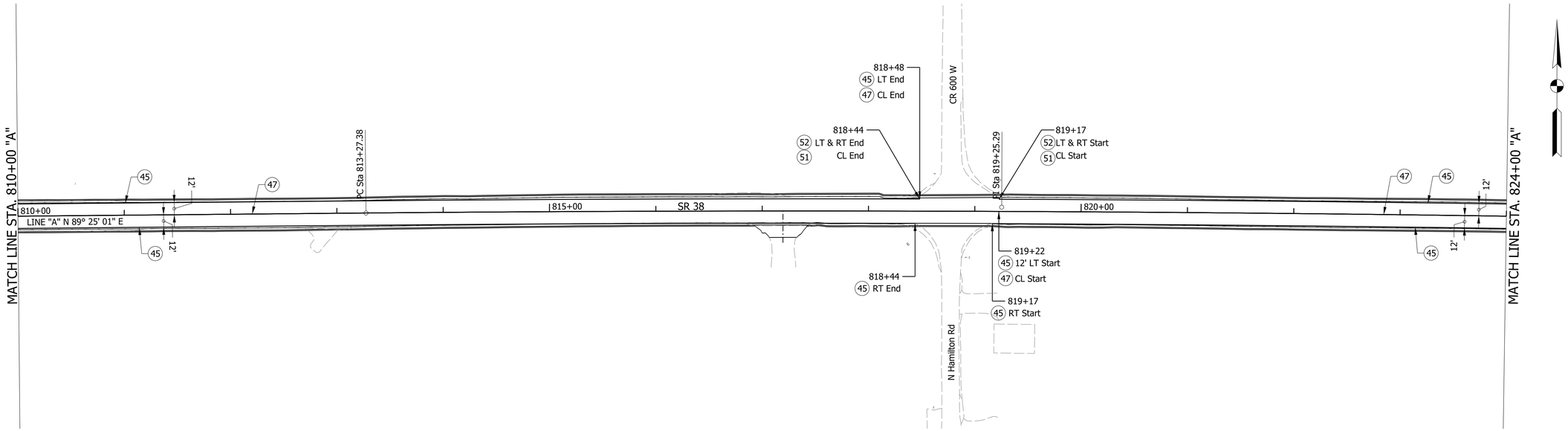

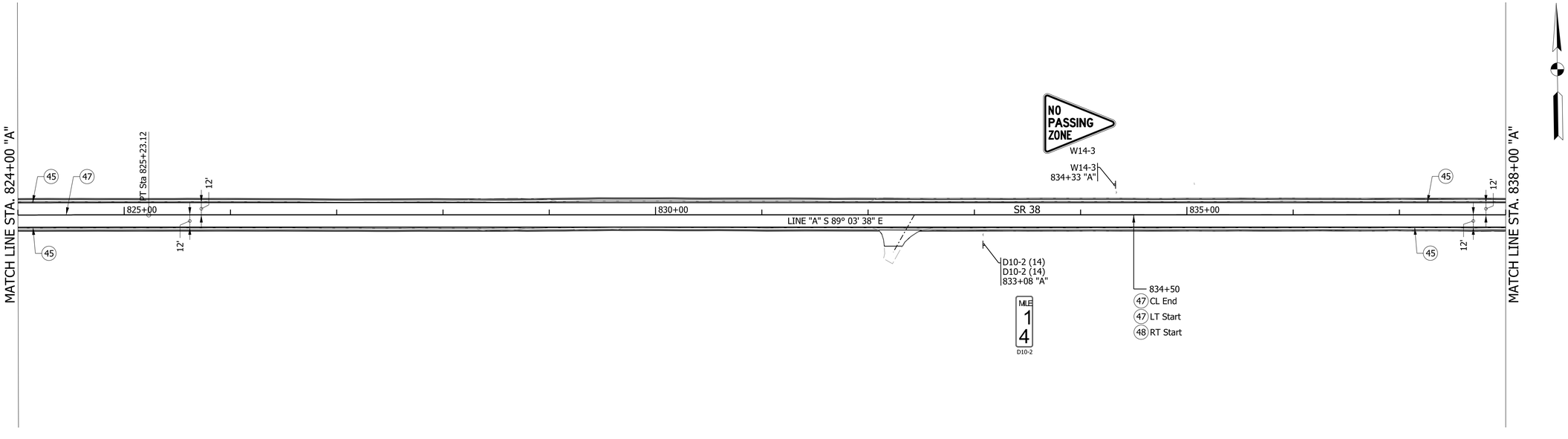

LEGEND

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RECOMMENDED FOR APPROVAL _____ 2/11/2021
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INDIANA
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PAVEMENT MARKING AND TRAFFIC SIGN DETAILS

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	143 of 478
CONTRACT	PROJECT
RS-40528	1601074

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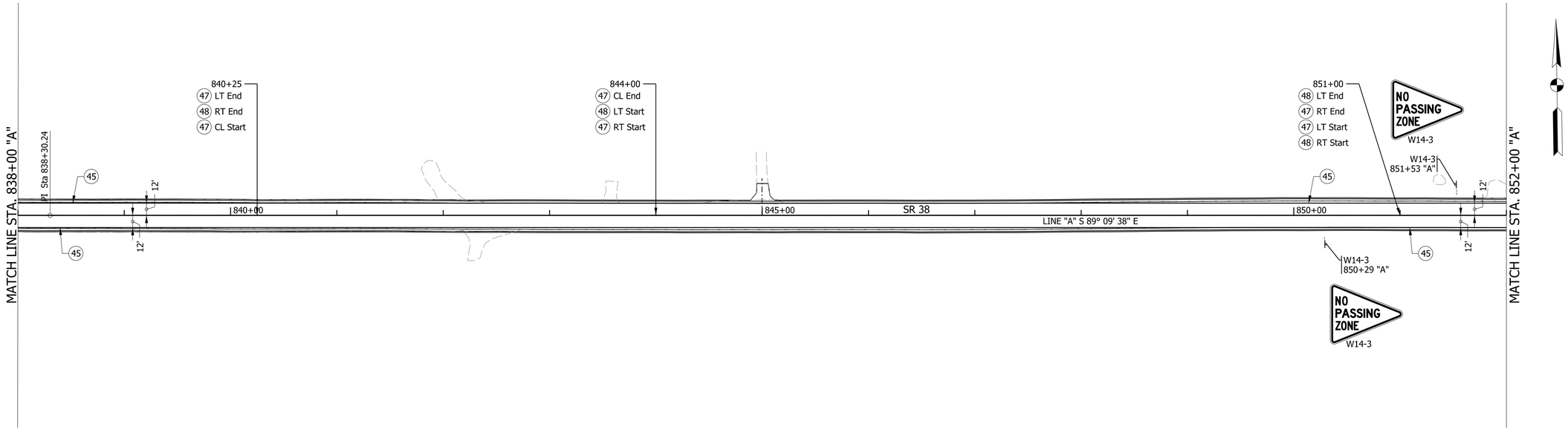
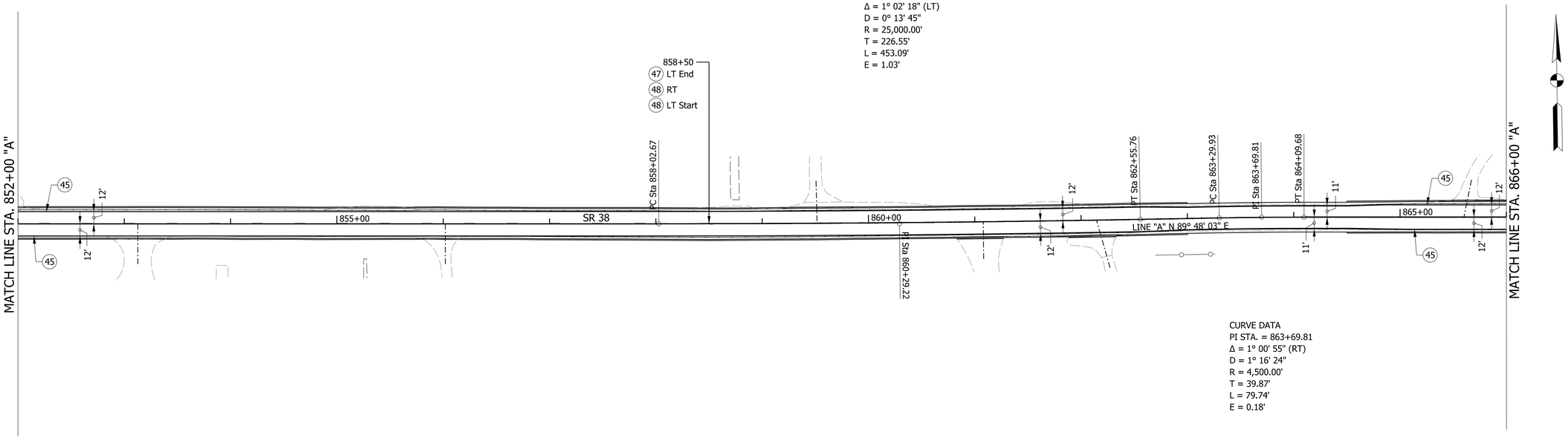


CURVE DATA
PI STA. = 860+29.22
Δ = 1° 02' 18" (LT)
D = 0° 13' 45"
R = 25,000.00'
T = 226.55'
L = 453.09'
E = 1.03'



CURVE DATA
PI STA. = 863+69.81
Δ = 1° 00' 55" (RT)
D = 1° 16' 24"
R = 4,500.00'
T = 39.87'
L = 79.74'
E = 0.18'

LEGEND

- (45) Line, Thermoplastic, Solid White, 4 in.
- (46) Line, Thermoplastic, Solid White, 24 in.
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1" = 50'	1601074
SURVEY BOOK	SHEETS
	144 of 478
CONTRACT	PROJECT
RS-40528	1601074

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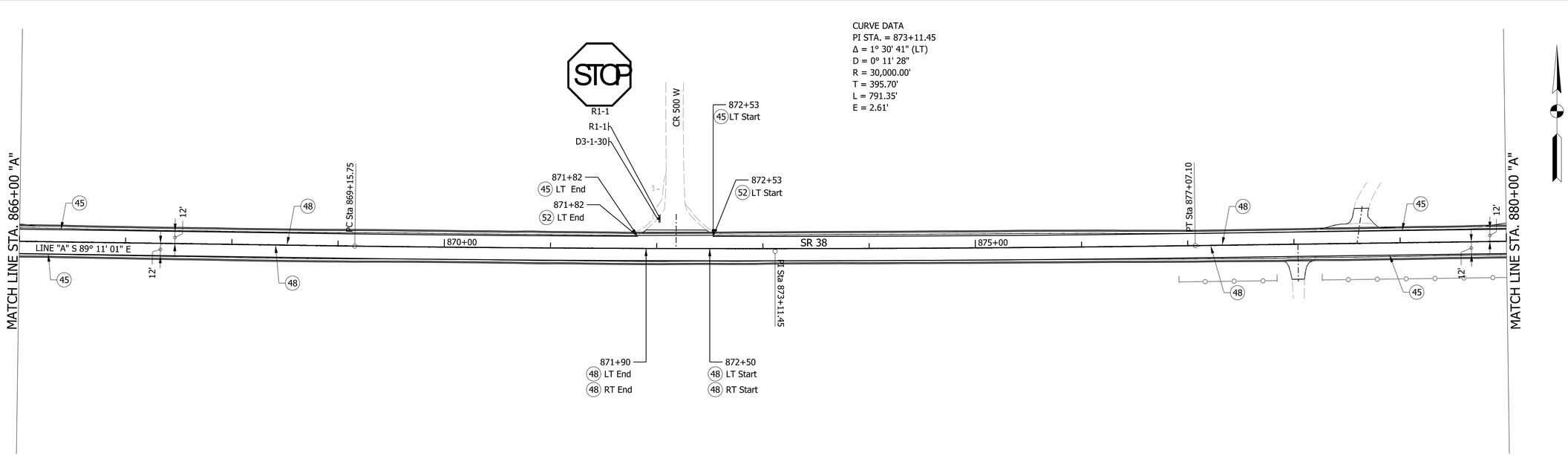

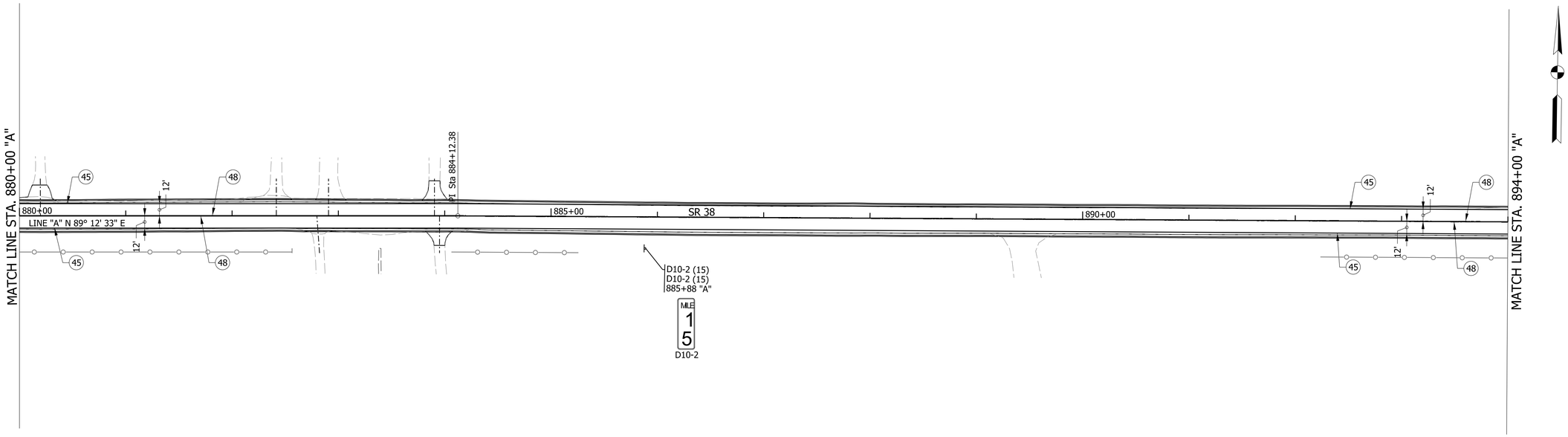

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1" = 50'	1601074
SURVEY BOOK	SHEETS
	145 of 478
CONTRACT	PROJECT
RS-40528	1601074

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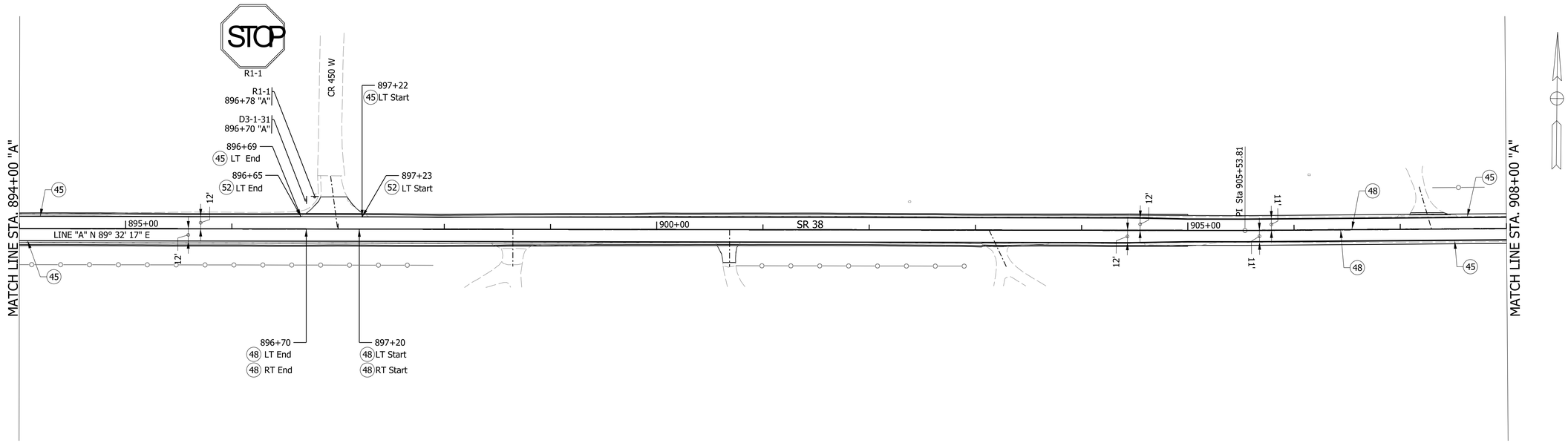

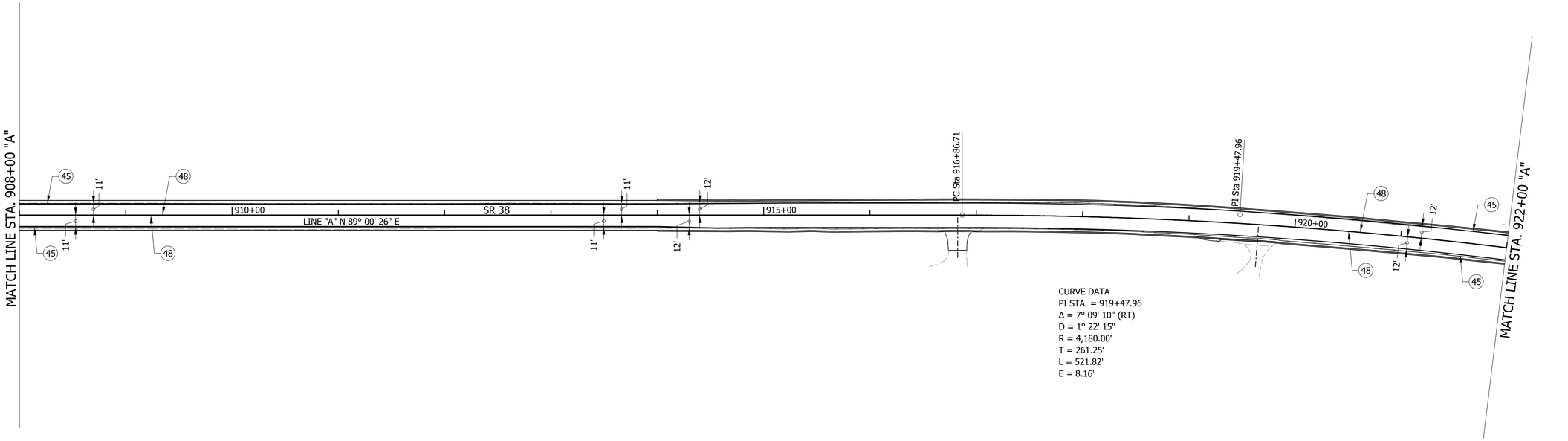

CURVE DATA
PI STA. = 919+47.96
Δ = 7° 09' 10" (RT)
D = 1° 22' 15"
R = 4,180.00'
T = 261.25'
L = 521.82'
E = 8.16'

LEGEND

- (45) Line, Thermoplastic, Solid White, 4 in.
- (46) Line, Thermoplastic, Solid White, 24 in.
- (47) Line, Thermoplastic, Broken, Yellow, 4 in.
- (48) Line, Thermoplastic, Solid Yellow, 4 in.
- (51) Rumble Stripe (Centerline)
- (52) Rumble Stripe (Edgeline)
- Transverse Marking Thermoplastic Lane Indication Arrow

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER — 2/17/2021 DATE

DESIGNED: KS | DRAWN: MH
CHECKED: JR | CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND TRAFFIC SIGN DETAILS

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	146 of 478
CONTRACT	PROJECT
RS-40528	1601074

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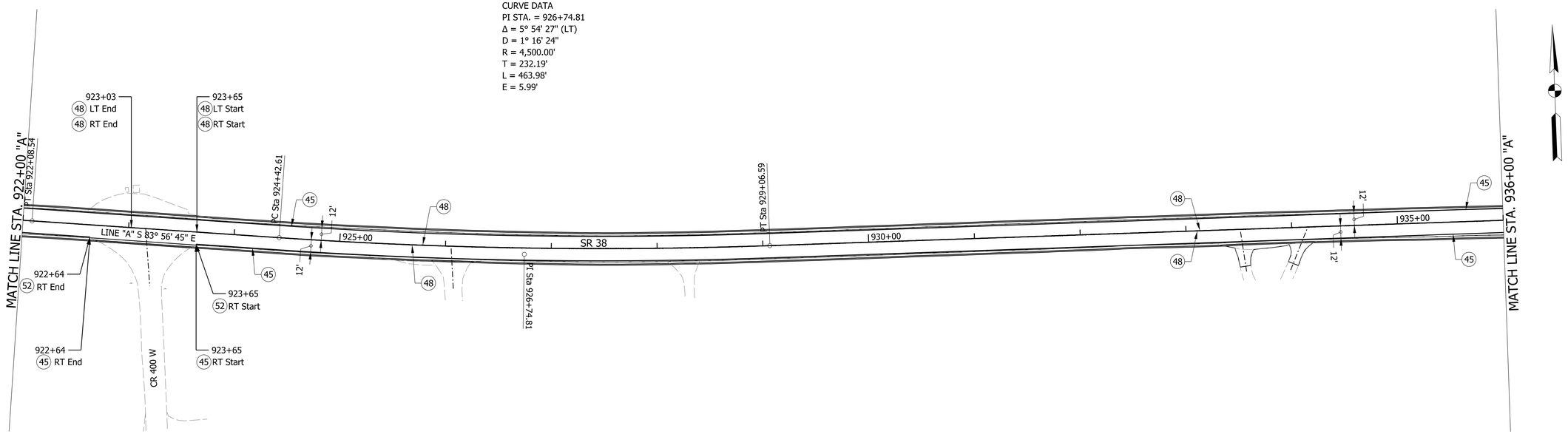

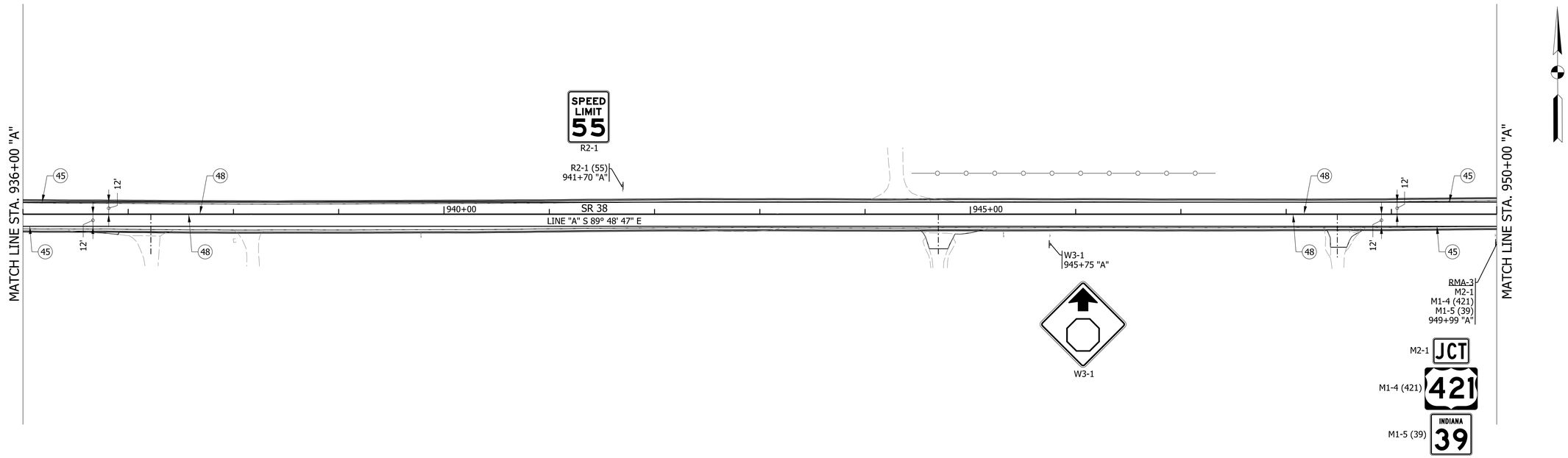

LEGEND

45 Line, Thermoplastic, Solid White, 4 in.
46 Line, Thermoplastic, Solid White, 24 in.
47 Line, Thermoplastic, Broken, Yellow, 4 in.
48 Line, Thermoplastic, Solid Yellow, 4 in.
51 Rumble Stripe (Centerline)
52 Rumble Stripe (Edgeline)

Transverse Marking Thermoplastic Lane Indication Arrow

RECOMMENDED FOR APPROVAL _____ 2/17/2021
DESIGN ENGINEER DATE

DESIGNED: KS | DRAWN: MH
CHECKED: JR | CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND TRAFFIC SIGN DETAILS

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	147 of 478
CONTRACT	PROJECT
RS-40528	1601074

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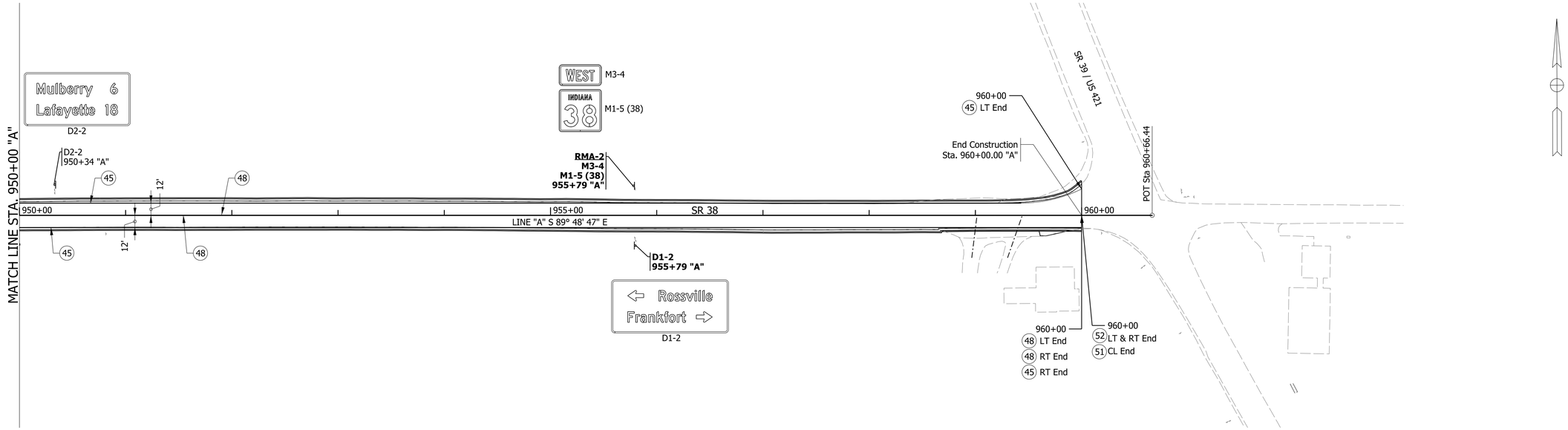

LEGEND

45 Line, Thermoplastic, Solid White, 4 in.
46 Line, Thermoplastic, Solid White, 24 in.
47 Line, Thermoplastic, Broken, Yellow, 4 in.
48 Line, Thermoplastic, Solid Yellow, 4 in.

51 Rumble Stripe (Centerline)
52 Rumble Stripe (Edgeline)

Transverse Marking Thermoplastic
Lane Indication Arrow

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER — DATE: 2/17/2021

DESIGNED: KS | DRAWN: MH
CHECKED: JR | CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND
TRAFFIC SIGN DETAILS

	BRIDGE FILE
SCALE	DESIGNATION
1" = 50'	1601074
SURVEY BOOK	SHEETS
	148 of 478
CONTRACT	PROJECT
RS-40528	1601074

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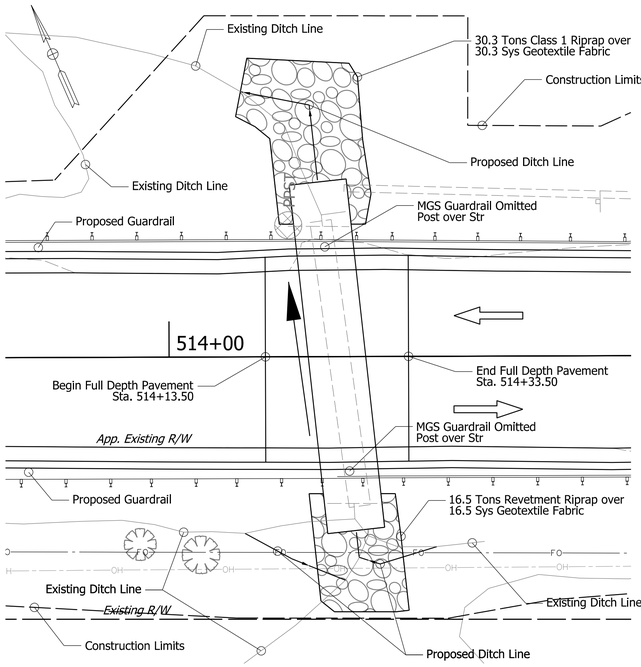


PLAN VIEW
Des. No. 2000800
NOT TO SCALE

SOIL PARAMETERS FOR WINGWALL DESIGN	
Nominal Bearing Resistance (psf)	X,XXX
Resistance Factor	X.XX
Factored Bearing Resistance (psf)	X,XXX
Friction Angle Between Wingwall Footing and Foundation	XX°
Internal Friction Angle of the Foundation Soils	XX
Ultimate Cohesion of Foundation Soils (psf)	X,XXX
Ultimate Cohesion of Foundation Soils (psf)	X,XXX
Nominal Friction Factor (f) at Base of Foundation	X.XX

HYDRAULIC DATA	
Drainage Area	117 ACRES
1% EP Design Discharge	118.4 CFS
1% EP Water Surface Elevation (NAVD88)	696.91 FT
Existing 1% EP Headwater Elevation (NAVD88)	700.29 FT
Proposed 1% EP Headwater Elevation (NAVD88)	698.71 FT
Existing 1% EP Backwater	3.02 FT
Proposed 1% EP Backwater	1.44 FT
Existing 1% EP Serviceability Freeboard	0 FT
Proposed 1% EP Serviceability Freeboard	1.10 FT
Existing Waterway Area	5.97 SQ FT
Proposed Waterway Area	15.43 SQ FT
Existing 2% EP Outlet Velocity	10.43 FT/SEC
Proposed 2% EP Outlet Velocity	7.32 FT/SEC

EARTHWORK SUMMARY	
Fill +20%	
Common Excavation	
Waterway Excavation	
Borrow	
Benching	

EXISTING STRUCTURE

The Existing Culvert is a 3 foot x 3 foot Reinforced Concrete Box with a Corrugated Metal Pipe Liner. Existing Structure is to be removed.

NOTE

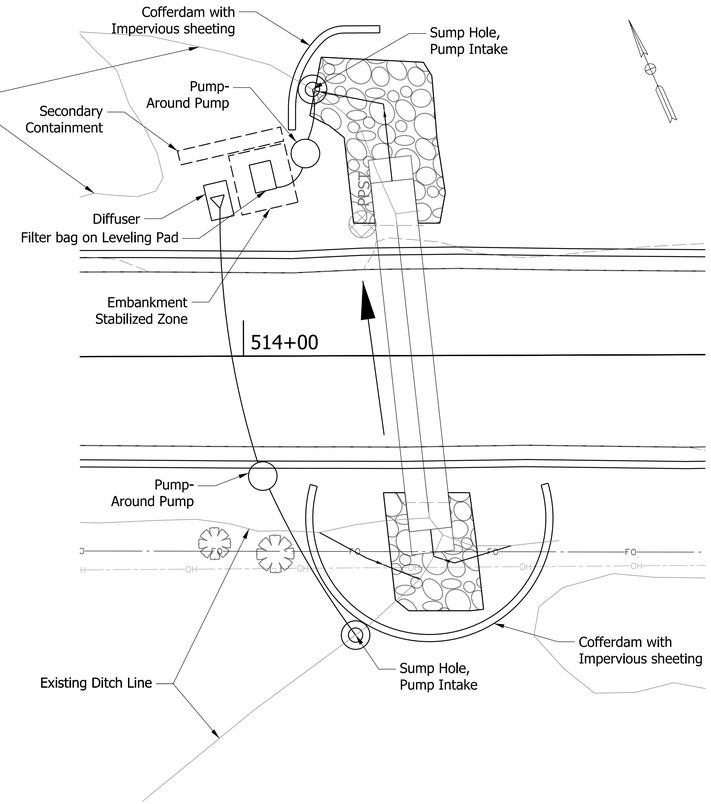
See Std. Dwg. E 601-CWGS, E 601-MGSA, E 601-GRET For Guardrail details

REVIEWER NOTE:

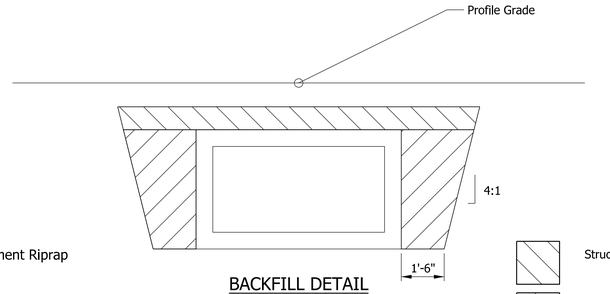
Data tables to be completed at Stage 2.

Terrain survey was shot using aerial LIDAR. Structure Invert elevations taken from survey spot elevations.

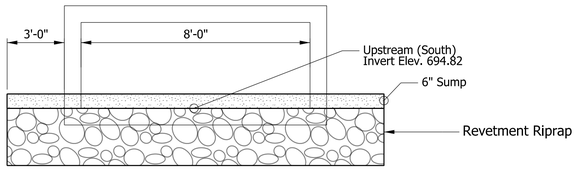
Riprap to conform to natural stream channel.

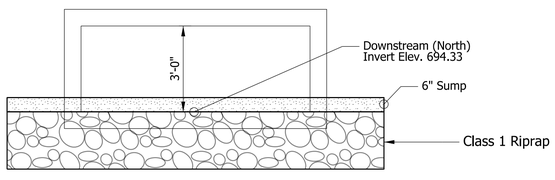


EROSION CONTROL DETAIL
Des. No. 2000800
NOT TO SCALE

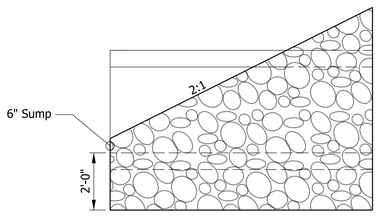


BACKFILL DETAIL
Des. No. 2000800
NOT TO SCALE



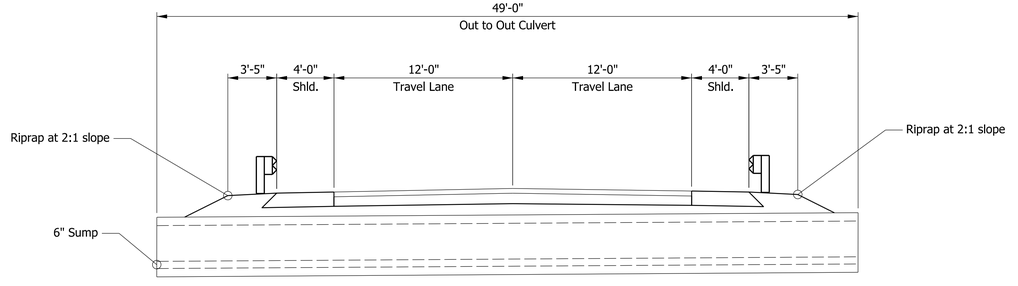


END DETAIL
Des. No. 2000800
NOT TO SCALE



Structure Backfill Type 2

Structure Backfill Type 5



TYPICAL SECTION
Des. No. 2000800
NOT TO SCALE

GENERAL PLAN

PRECAST REINFORCED CONCRETE
FOUR-SIDED STRUCTURE
SPAN: 8'-0" RISE: 3'-0"
30'-0" CLEAR ROADWAY SKEW: 06°07'0"
SR 38 OVER DITCH
TIPPECANOE COUNTY

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER — DATE: 2/11/2021

DESIGNED: KS | DRAWN: AP
CHECKED: JR | CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS
CV 038-079-07.58

	BRIDGE FILE
	2000800
SCALE	DESIGNATION
NTS	1601074
SURVEY BOOK	SHEETS
	149 of 478
CONTRACT	PROJECT
RS-40528	1601074

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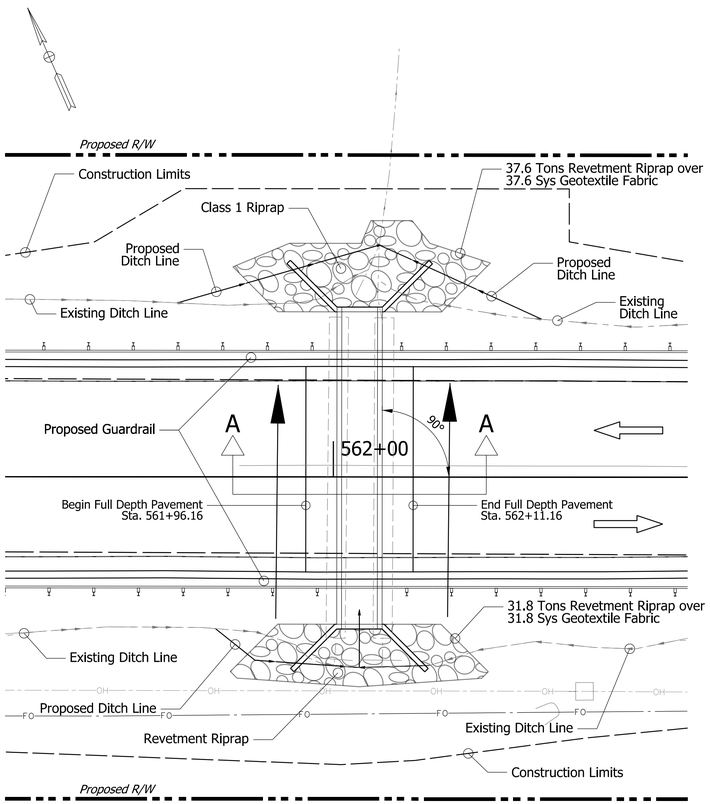


PLAN VIEW
Des. No. 2000802
NOT TO SCALE

WINGWALL TABLE				
Wing	ELEVATION 1	ELEVATION 2	LENGTH (FT)	AREA (SFT)
A	731.67	729.49	8.46	46.78
B	731.67	729.49	8.46	46.78
C	731.43	728.50	9.22	50.80
D	731.43	728.50	9.22	50.80

SOIL PARAMETERS FOR WINGWALL DESIGN	
Nominal Bearing Resistance (psf)	X,XXX
Resistance Factor	X.XX
Factored Bearing Resistance (psf)	X,XXX
Friction Angle Between Wingwall Footing and Foundation	XX°
Internal Friction Angle of the Foundation Soils	XX
Ultimate Cohesion of Foundation Soils (psf)	X,XXX
Ultimate Cohesion of Foundation Soils (psf)	X,XXX
Nominal Friction Factor (f) at Base of Foundation	X.XX

EARTHWORK SUMMARY	
Fill +20%	
Common Excavation	
Waterway Excavation	
Borrow	
Benching	

HYDRAULIC DATA	
Drainage Area	73.8 ACRES
1% EP Design Discharge	103.9 CFS
1% EP Water Surface Elevation (NAVD88)	729.05 FT
Existing 1% EP Headwater Elevation (NAVD88)	731.98 FT
Proposed 1% EP Headwater Elevation (NAVD88)	731.92 FT
Existing 1% EP Backwater	2.53 FT
Proposed 1% EP Backwater	2.47 FT
Existing 1% EP Serviceability Freeboard	0.06 FT
Proposed 1% EP Serviceability Freeboard	0.12 FT
Existing Waterway Area	5.46 SQ FT
Proposed Waterway Area	6.60 SQ FT
Existing 2% EP Outlet Velocity	7.75 FT/SEC
Proposed 2% EP Outlet Velocity	8.18 FT/SEC

EXISTING STRUCTURE

The Existing Culvert is a 32 inch x 24 inch Double Barrel Elliptical Corrugated Metal Pipe. Existing Structure is to be removed.

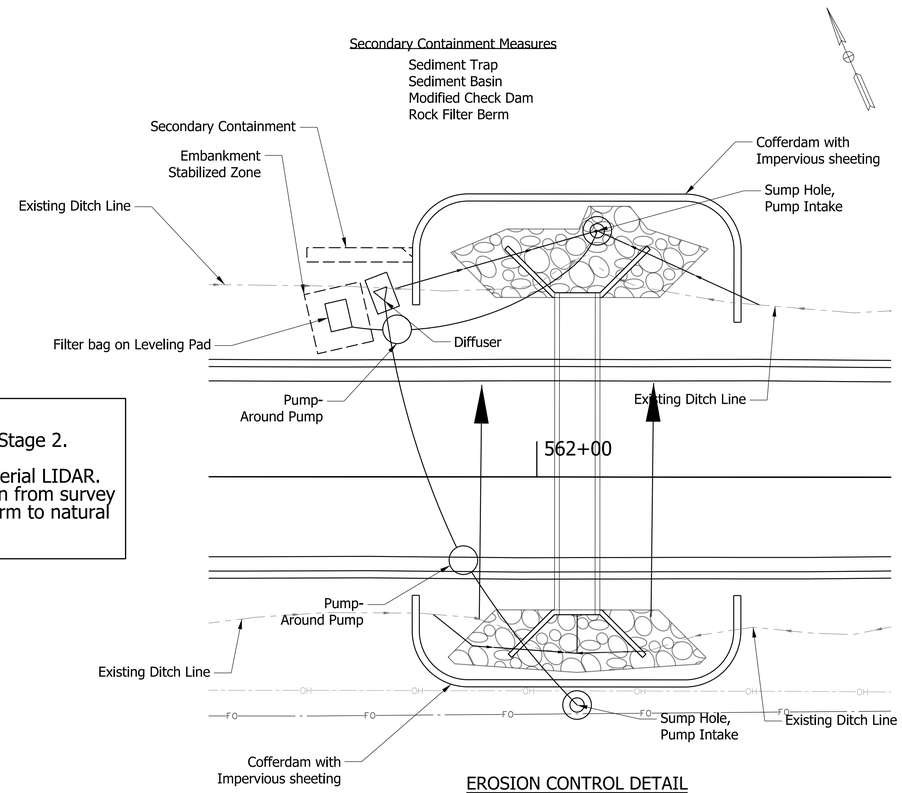
REVIEWER NOTE:

Data tables to be completed at Stage 2.

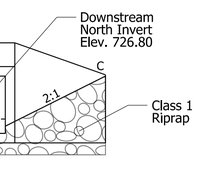
Terrain survey was shot using aerial LIDAR. Structure Invert elevations taken from survey spot elevations. Riprap to conform to natural stream channel.

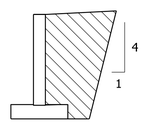
Secondary Containment Measures

Sediment Trap
Sediment Basin
Modified Check Dam
Rock Filter Berm

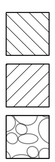


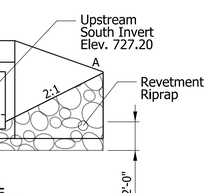
EROSION CONTROL DETAIL
Des. No. 2000802
NOT TO SCALE



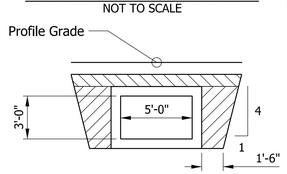


HEADWALL BACKFILL DETAIL
NOT TO SCALE

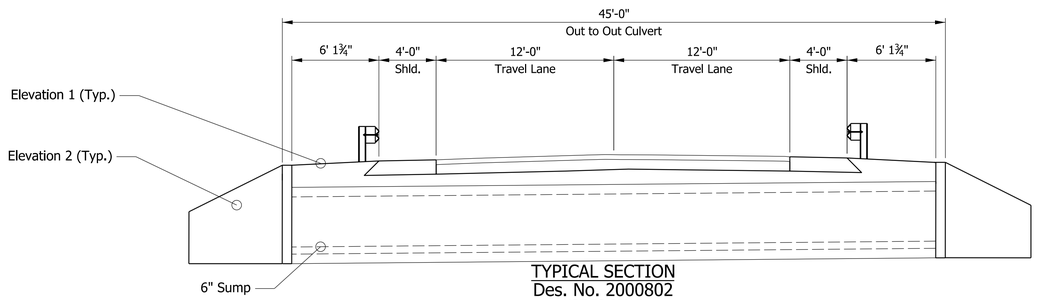




END DETAIL
Des. No. 2000802
NOT TO SCALE



SECTION A-A
NOT TO SCALE



TYPICAL SECTION
Des. No. 2000802
NOT TO SCALE

GENERAL PLAN

PRECAST REINFORCED CONCRETE
FOUR-SIDED STRUCTURE
SPAN: 5'-0" RISE: 3'-0"
30'-0" CLEAR ROADWAY SKEW: 00°00'00"
SR 38 OVER DITCH
TIPPECANOE COUNTY

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER — 2/17/2021 DATE

DESIGNED: KS | DRAWN: AP
CHECKED: JR | CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS
CV 038-079-08.88

	BRIDGE FILE
	2000802
SCALE	DESIGNATION
NTS	1601074
SURVEY BOOK	SHEETS
	150 of 478
CONTRACT	PROJECT
RS-40528	1601074

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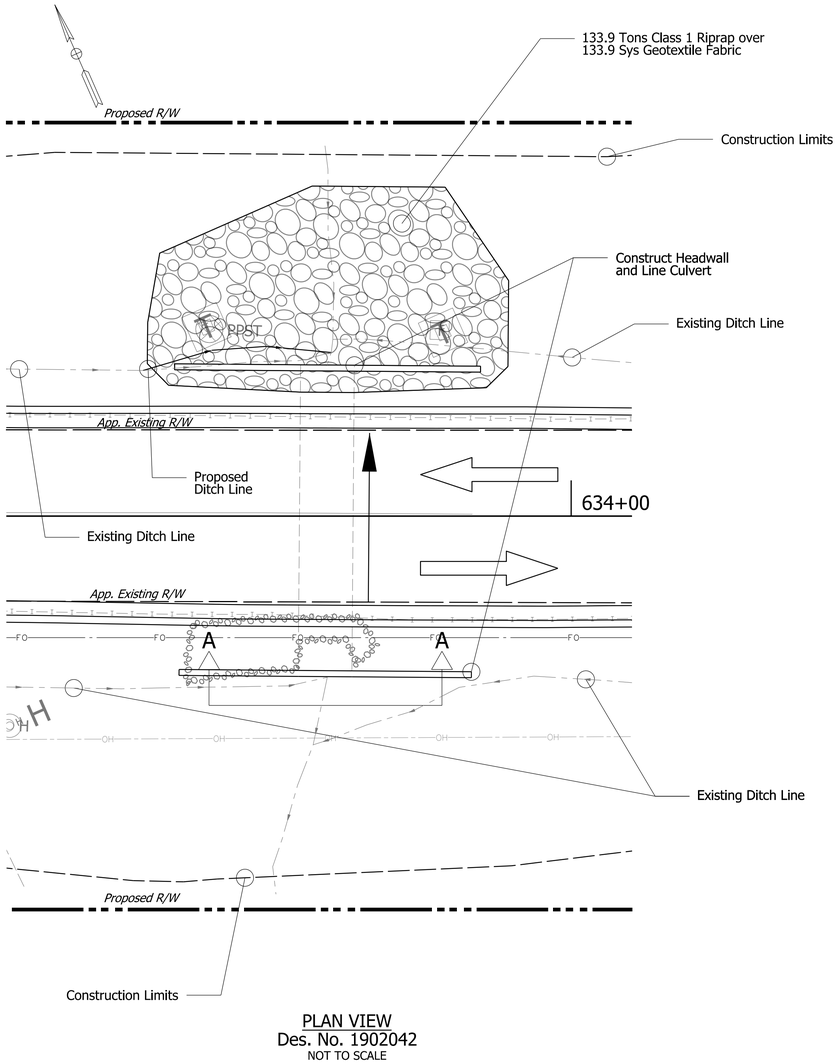
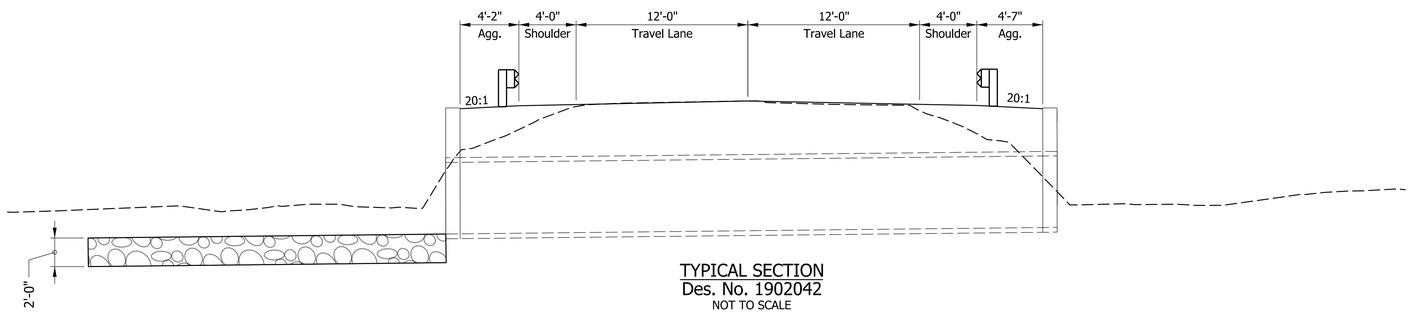
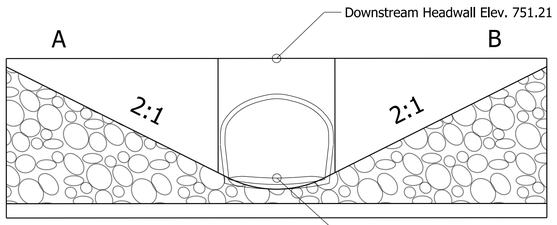


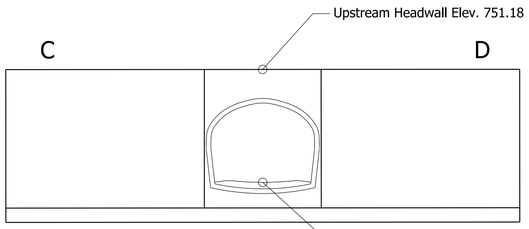
PLAN VIEW
Des. No. 1902042
NOT TO SCALE



TYPICAL SECTION
Des. No. 1902042
NOT TO SCALE



ELEVATION VIEW
Des. No. 1902042
NOT TO SCALE



ELEVATION VIEW
Des. No. 1902042
NOT TO SCALE

EXISTING STRUCTURE

The Existing Structure is a 87" x 71"
Corrugated Metal Pipe Arch.
Existing Structure is to remain in place
and be lined.

WINGWALL TABLE				
Wing	ELEVATION 1	ELEVATION 2	LENGTH (FT)	AREA (SFT)
A	751.21	742.06	11.86	108.5
B	751.21	742.06	11.86	108.5
C	751.18	742.51	11.7	101.4
D	751.18	742.51	11.7	101.4

SOIL PARAMETERS FOR WINGWALL DESIGN	
Nominal Bearing Resistance (psf)	X,XXX
Resistance Factor	X.XX
Factored Bearing Resistance (psf)	X,XXX
Friction Angle Between Wingwall Footing and Foundation	XX°
Internal Friction Angle of the Foundation Soils	XX
Ultimate Cohesion of Foundation Soils (psf)	X,XXX
Ultimate Cohesion of Foundation Soils (psf)	X,XXX
Nominal Friction Factor (f) at Base of Foundation	X.XX

HYDRAULIC DATA	
Drainage Area	287.5 ACRES
1% EP Design Discharge	219.9 CFS
1% EP Water Surface Elevation (NAVD88)	745.86 FT
Existing 1% EP Headwater Elevation (NAVD88)	749.04 FT
Proposed 1% EP Headwater Elevation (NAVD88)	748.86 FT
Existing 1% EP Backwater	2.74 FT
Proposed 1% EP Backwater	2.56 FT
Existing Waterway Area	23.57 SQ FT
Proposed Waterway Area	20.94 SQ FT
Existing 4% EP Outlet Velocity	9.05 FT/SEC
Proposed 4% EP Outlet Velocity	9.34 FT/SEC

Notes:
*CIPP Liner is hydraulically equivalent
*If lining options are not feasible, hydraulically equivalent replacement options include 87" x 71" CMPA and 9' x 5' RCB with 6" sump.

REVIEWER NOTE:

Data tables to be completed at Stage 2.

Terrain survey was shot using aerial LIDAR. Structure Invert elevations taken from survey spot elevations. Upstream and downstream flow lines to match existing.

Riprap to conform to natural stream channel.

GENERAL PLAN

CORRUGATED METAL PIPE ARCH
5" PAVED INVERT W/ HEADWALLS
SPAN: 87" RISE: 71"
30'-0" CLEAR ROADWAY SKEW: 00°00'00"
SR 38 OVER DITCH
CLINTON COUNTY

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER — 2/17/2021 — DATE

DESIGNED: KS | DRAWN: AP
CHECKED: JR | CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS
CV 038-012-10.20

CULVERT ID	BRIDGE FILE
CV 038-012-10.20	1902042
SCALE	DESIGNATION
NTS	1601074
SURVEY BOOK	SHEETS
	151 of 478
CONTRACT	PROJECT
RS-40528	1601074

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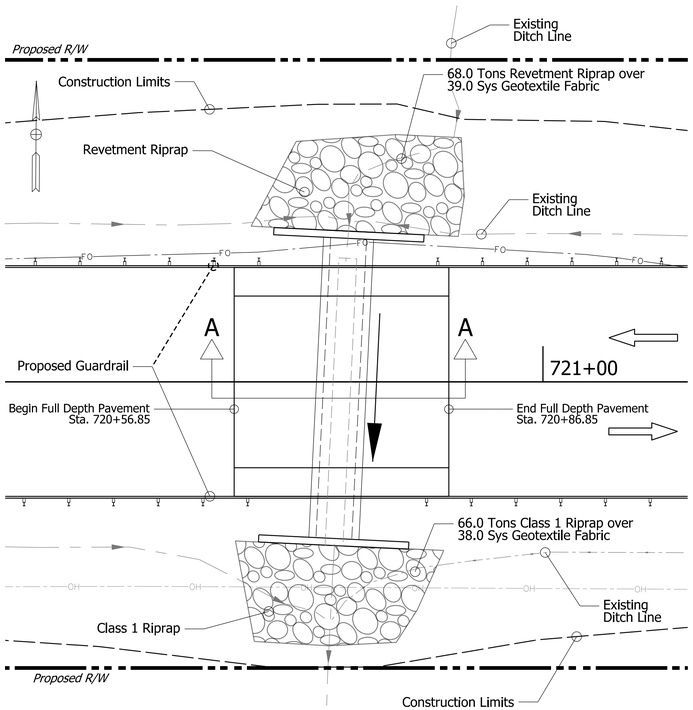


PLAN VIEW
Des. No. 2001746
NOT TO SCALE

WINGWALL TABLE				
Wing	ELEVATION 1	ELEVATION 2	LENGTH (FT)	AREA (SFT)
A				
B				
C				
D				

SOIL PARAMETERS FOR WINGWALL DESIGN	
Nominal Bearing Resistance (psf)	X,XXX
Resistance Factor	X.XX
Factored Bearing Resistance (psf)	X,XXX
Friction Angle Between Wingwall Footing and Foundation	XX°
Internal Friction Angle of the Foundation Soils	XX
Ultimate Cohesion of Foundation Soils (psf)	X,XXX
Ultimate Cohesion of Foundation Soils (psf)	X,XXX
Nominal Friction Factor (f) at Base of Foundation	X.XX

EARTHWORK SUMMARY	
Fill +20%	
Common Excavation	
Waterway Excavation	
Borrow	
Benching	

HYDRAULIC DATA	
Drainage Area	59.3 ACRES
1% EP Design Discharge	100.3 CFS
1% EP Water Surface Elevation (NAVD88)	777.90 FT
Existing 1% EP Headwater Elevation (NAVD88)	780.95 FT
Proposed 1% EP Headwater Elevation (NAVD88)	780.69 FT
Existing 1% EP Backwater	2.09 FT
Proposed 1% EP Backwater	1.83 FT
Existing Waterway Area	4.49 SQ FT
Proposed Waterway Area	10.62 SQ FT
Existing 4% EP Outlet Velocity	8.97 FT/SEC
Proposed 4% EP Outlet Velocity	9.55 FT/SEC

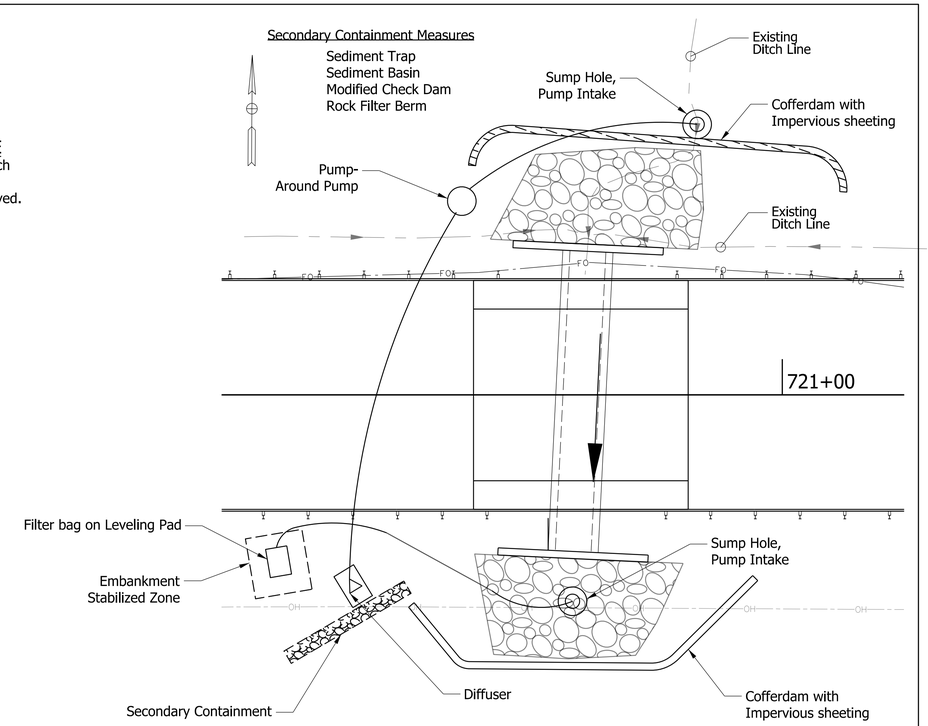
REVIEWER NOTE:

Data tables to be completed at a later stage.

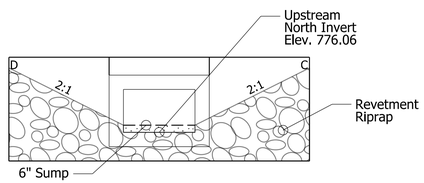
Terrain survey was shot using aerial LIDAR. Structure Invert elevations taken from survey spot elevations. Riprap to conform to natural stream channel.

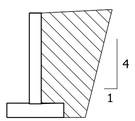
EXISTING STRUCTURE

The Existing Culvert is a 30 inch Corrugated Metal Pipe.
Existing Structure is to be removed.

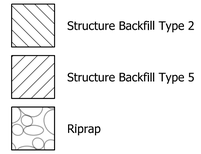


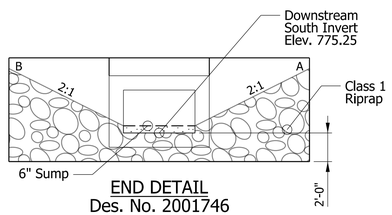
EROSION CONTROL DETAIL
Des. No. 2001746
NOT TO SCALE



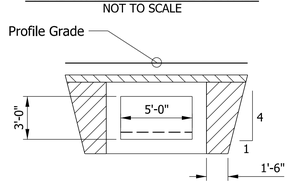


HEADWALL BACKFILL DETAIL
NOT TO SCALE

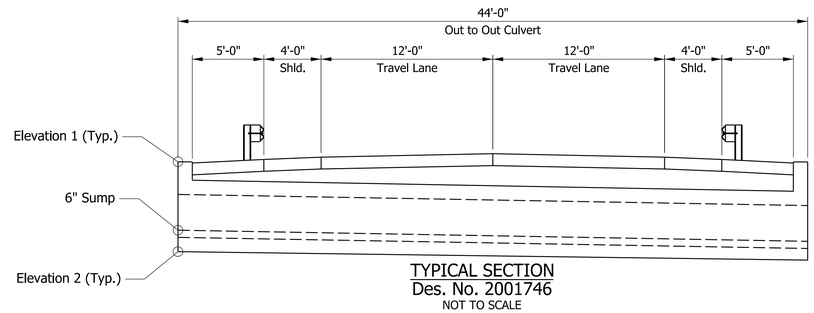




END DETAIL
Des. No. 2001746
NOT TO SCALE



SECTION A-A
NOT TO SCALE



TYPICAL SECTION
Des. No. 2001746
NOT TO SCALE

GENERAL PLAN

PRECAST REINFORCED CONCRETE
FOUR-SIDED STRUCTURE
SPAN: 5'-0" RISE: 3'-0"
32'-0" CLEAR ROADWAY SKEW: 02°48'36"
SR 38 OVER DITCH
CLINTON COUNTY

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER 2/17/2021 DATE

DESIGNED: KS DRAWN: AP
CHECKED: JR CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS
CV 038-012-11.86

	BRIDGE FILE
	2000802
SCALE	DESIGNATION
NTS	1601074
SURVEY BOOK	SHEETS
	152 of 478
CONTRACT	PROJECT
RS-40528	1601074

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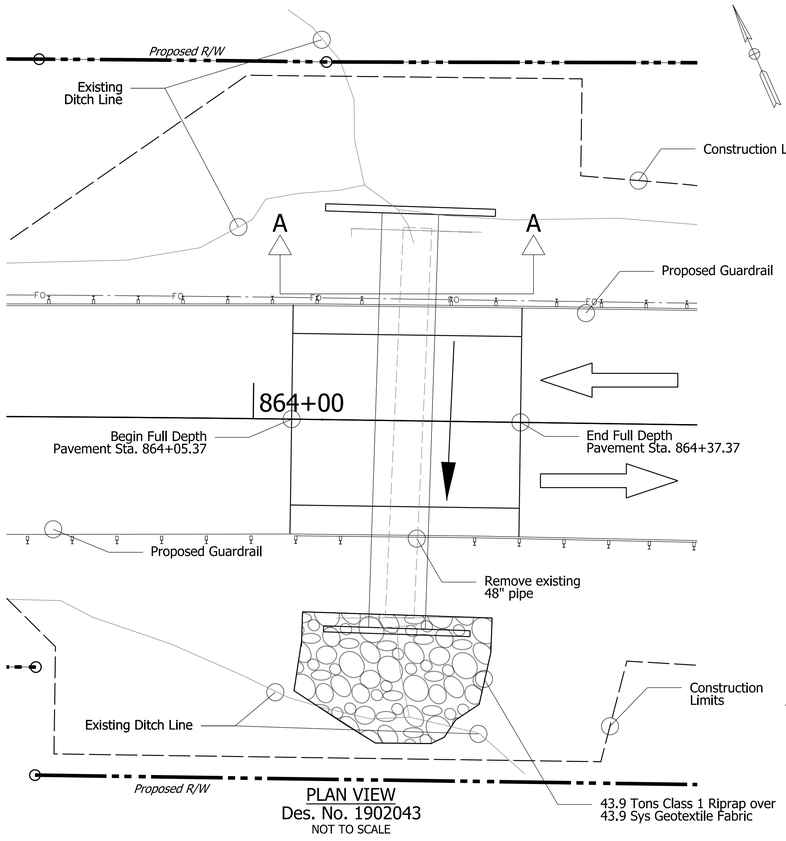


PLAN VIEW
Des. No. 1902043
NOT TO SCALE

WINGWALL TABLE				
Wing	ELEVATION 1	ELEVATION 2	LENGTH (FT)	AREA (SFT)
A	785.69	775.69	8'-0"	80
B	785.69	775.69	8'-0"	80
C	784.42	774.42	8'-0"	80
D	784.42	774.42	8'-0"	80

SOIL PARAMETERS FOR WINGWALL DESIGN	
Nominal Bearing Resistance (psf)	X,XXX
Resistance Factor	X.XX
Factored Bearing Resistance (psf)	X,XXX
Friction Angle Between Wingwall Footing and Foundation	XX°
Internal Friction Angle of the Foundation Soils	XX
Ultimate Cohesion of Foundation Soils (psf)	X,XXX
Ultimate Cohesion of Foundation Soils (psf)	X,XXX
Nominal Friction Factor (f) at Base of Foundation	X.XX

EARTHWORK SUMMARY	
Fill +20%	
Common Excavation	
Waterway Excavation	
Borrow	
Benching	

HYDRAULIC DATA	
Drainage Area	241.4 ACRES
1% EP Design Discharge	270.3 CFS
1% EP Water Surface Elevation (NAVD88)	779.13 FT
Existing 1% EP Headwater Elevation (NAVD88)	786.36 FT
Proposed 1% EP Headwater Elevation (NAVD88)	782.91 FT
Existing 1% EP Backwater	5.96 FT
Proposed 1% EP Backwater	2.51 FT
Existing Waterway Area	12.16 SQ FT
Proposed Waterway Area	26.32 SQ FT
Existing 4% EP Outlet Velocity	13.59 FT/SEC
Proposed 4% EP Outlet Velocity	8.05 FT/SEC

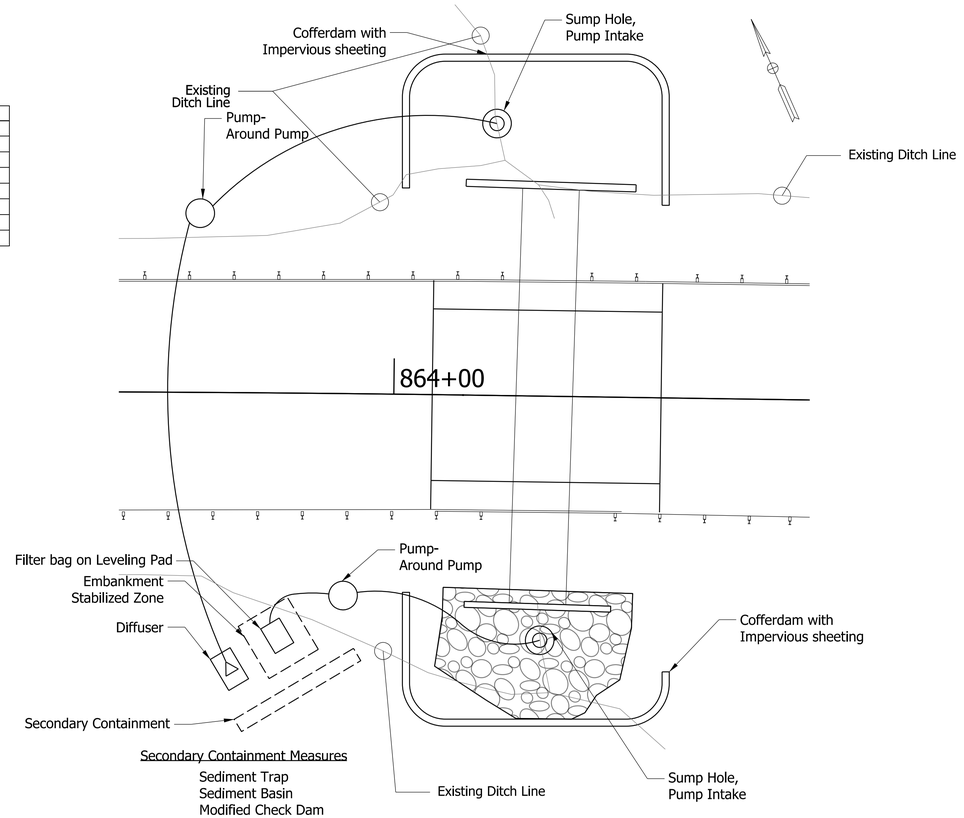
EXISTING STRUCTURE

The Existing Culvert is a 4 foot x 4 foot Corrugated Metal Pipe with Headwalls. Existing Structure is to be removed.

REVIEWER NOTE:

Terrain survey was shot using aerial LIDAR. Structure Invert elevations taken from survey spot elevations. Upstream and downstream flow lines to match existing.

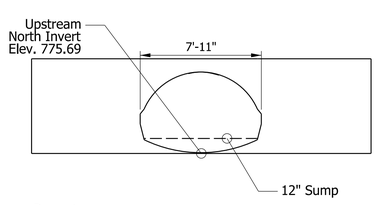
Riprap to conform to natural stream channel.

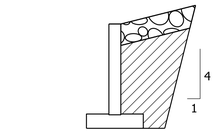


Secondary Containment Measures

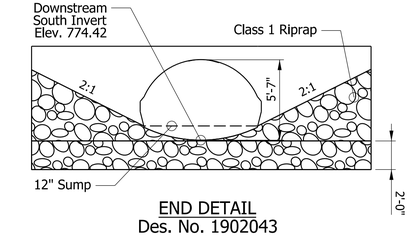
- Sediment Trap
- Sediment Basin
- Modified Check Dam
- Rock Filter Berm

EROSION CONTROL DETAIL
Des. No. 1902043
NOT TO SCALE

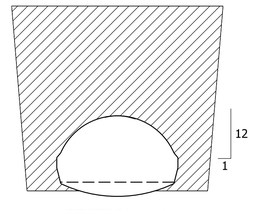




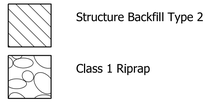
HEADWALL BACKFILL DETAIL
Des. No. 1902043
NOT TO SCALE

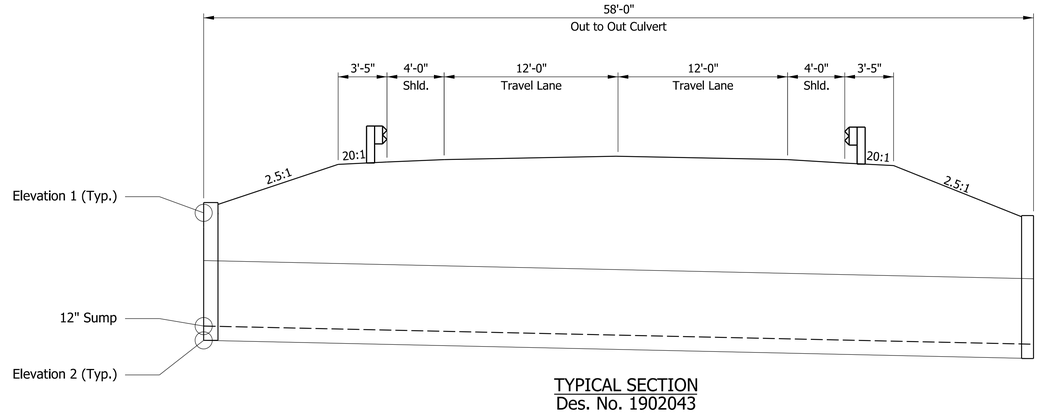


END DETAIL
Des. No. 1902043
NOT TO SCALE



SECTION A-A
Des. No. 1902043
NOT TO SCALE





TYPICAL SECTION
Des. No. 1902043
NOT TO SCALE

GENERAL PLAN

CORRUGATED METAL PIPE ARCH
W/ HEADWALLS
SPAN: 95" RISE: 67"
32'-0" CLEAR ROADWAY SKEW: 01°04'00"
SR 38 OVER DITCH
CLINTON COUNTY

Note:
Hydraulically equivalent replacement options include a 7-foot span x 5-foot rise Reinforced Concrete Box Culvert with 12-inch haunches, 12-inch sump, and with Revetment Riprap placed at the inlet and Class 2 Riprap placed at the outlet in accordance with INDOT Standard Drawing E 714-BCSP-01.

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER — DATE: 2/17/2021

DESIGNED: KS | DRAWN: AP
CHECKED: JR | CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS
CV 038-012-14.60

CULVERT ID	BRIDGE FILE
CV 038-012-14.60	1902043
SCALE	DESIGNATION
NTS	1601074
SURVEY BOOK	SHEETS
	153 of 478
CONTRACT	PROJECT
RS-40528	1601074

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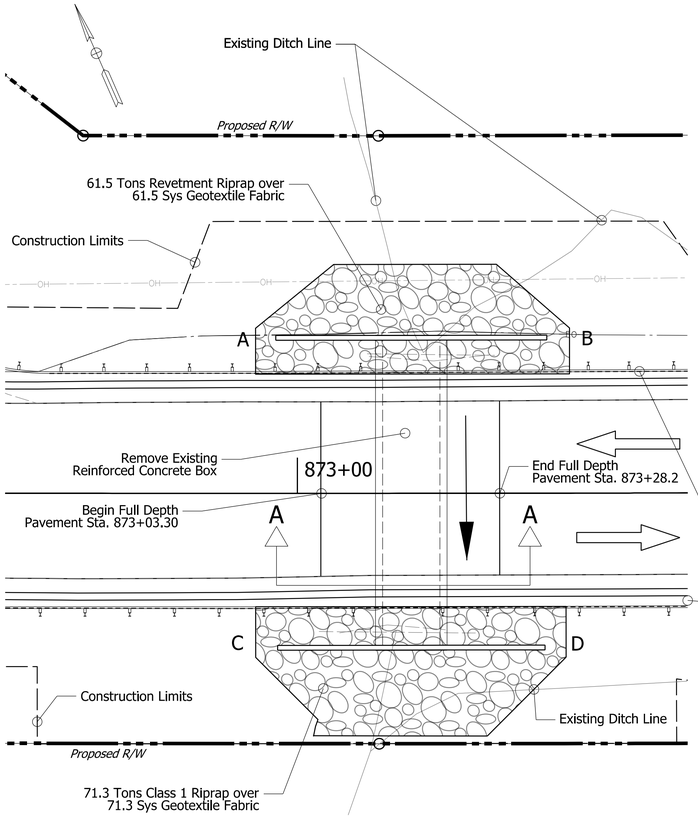


PLAN VIEW
Des. No. 1902044
NOT TO SCALE

WINGWALL TABLE				
Wing	ELEVATION 1	ELEVATION 2	LENGTH (FT)	AREA (SFT)
A	780.12	772.04	13.58	109.7
B	780.12	772.04	13.58	109.7
C	779.76	771.92	13.08	102.5
D	779.76	771.92	13.08	102.5

SOIL PARAMETERS FOR WINGWALL DESIGN	
Nominal Bearing Resistance (psf)	X,XXX
Resistance Factor	X.XX
Factored Bearing Resistance (psf)	X,XXX
Friction Angle Between Wingwall Footing and Foundation	XX°
Internal Friction Angle of the Foundation Soils	XX
Ultimate Cohesion of Foundation Soils (psf)	X,XXX
Ultimate Cohesion of Foundation Soils (psf)	X,XXX
Nominal Friction Factor (f) at Base of Foundation	X.XX

REVIEWER NOTE:

Data tables to be completed at Stage 2.

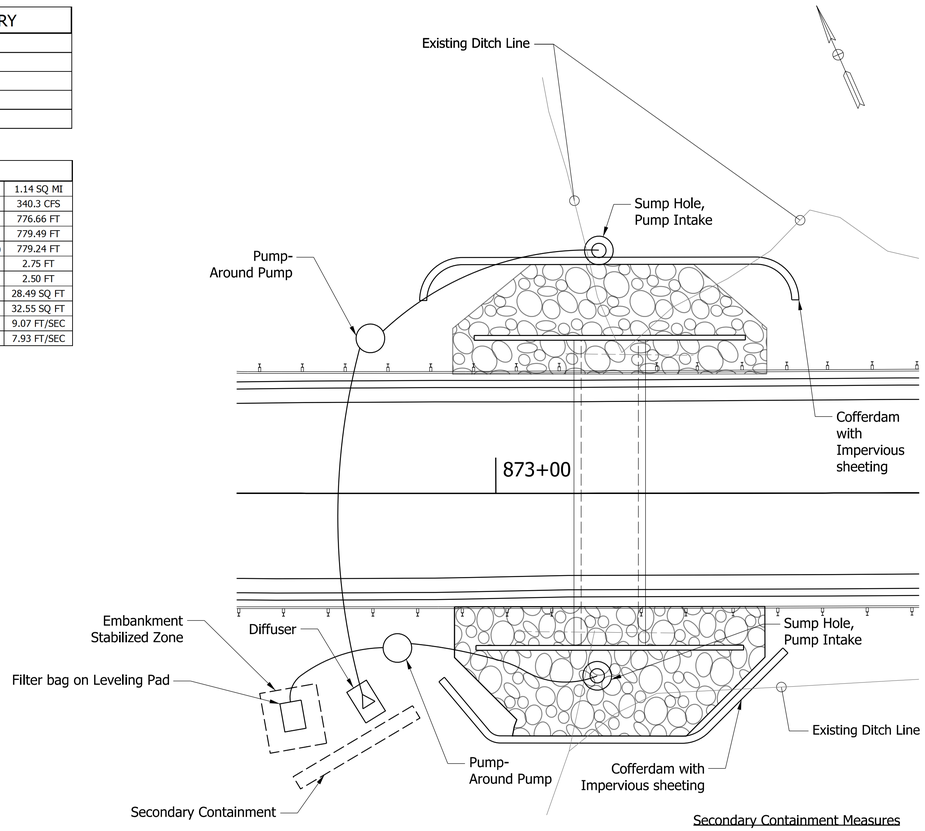
Terrain survey was shot using aerial LIDAR. Structure Invert elevations taken from survey spot elevations. Upstream and downstream flow lines to match existing.

Riprap to conform to natural stream channel.

EXISTING STRUCTURE
The Existing Culvert is a 7 foot x 5 foot
Reinforced Concrete Box.
Existing Structure is to be removed.

EARTHWORK SUMMARY	
Fill +20%	
Common Excavation	
Waterway Excavation	
Borrow	
Benching	

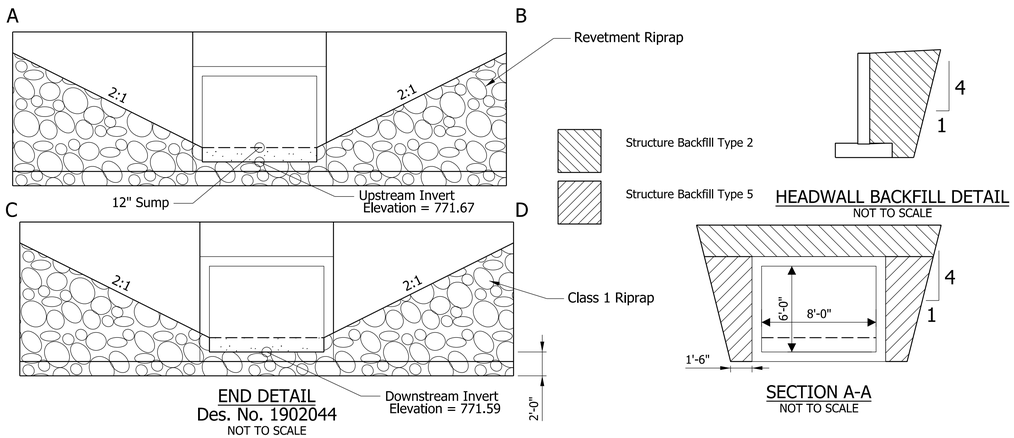
HYDRAULIC DATA	
Drainage Area	1.14 SQ MI
1% EP Design Discharge	340.3 CFS
1% EP Water Surface Elevation (NAVD88)	776.66 FT
Existing 1% EP Headwater Elevation (NAVD88)	779.49 FT
Proposed 1% EP Headwater Elevation (NAVD88)	779.24 FT
Existing 1% EP Backwater	2.75 FT
Proposed 1% EP Backwater	2.50 FT
Existing Waterway Area	28.49 SQ FT
Proposed Waterway Area	32.55 SQ FT
Existing 4% EP Outlet Velocity	9.07 FT/SEC
Proposed 4% EP Outlet Velocity	7.93 FT/SEC



EROSION CONTROL DETAIL
Des. No. 1902044
NOT TO SCALE

Secondary Containment Measures

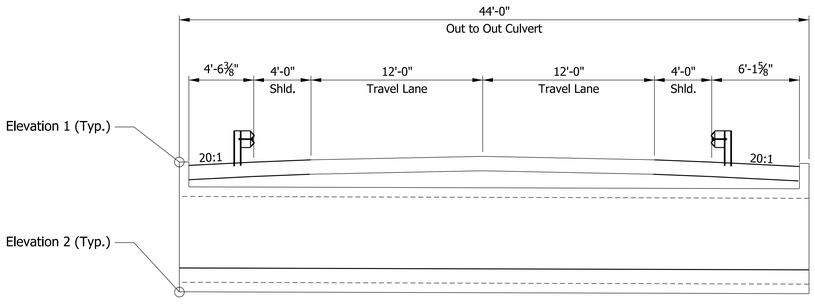
Sediment Trap
Sediment Basin
Modified Check Dam
Rock Filter Berm



END DETAIL
Des. No. 1902044
NOT TO SCALE

HEADWALL BACKFILL DETAIL
NOT TO SCALE

SECTION A-A
NOT TO SCALE



TYPICAL SECTION
Des. No. 1902044
NOT TO SCALE

GENERAL PLAN
PRECAST REINFORCED CONCRETE
FOUR SIDED STRUCTURE
SPAN: 8'-0" RISE: 6'-0"
30'-0" CLEAR ROADWAY SKEW: 00°00'00"
SR 38 OVER DITCH
CLINTON COUNTY

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER
2/11/2021
DATE

DESIGNED: KS
DRAWN: AP
CHECKED: JR
CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS
CV 038-012-14.70

CULVERT ID	BRIDGE FILE
CV 038-012-14.70	1902044
SCALE	DESIGNATION
NTS	1601074
SURVEY BOOK	SHEETS
	154 of 478
CONTRACT	PROJECT
RS-40528	1601074

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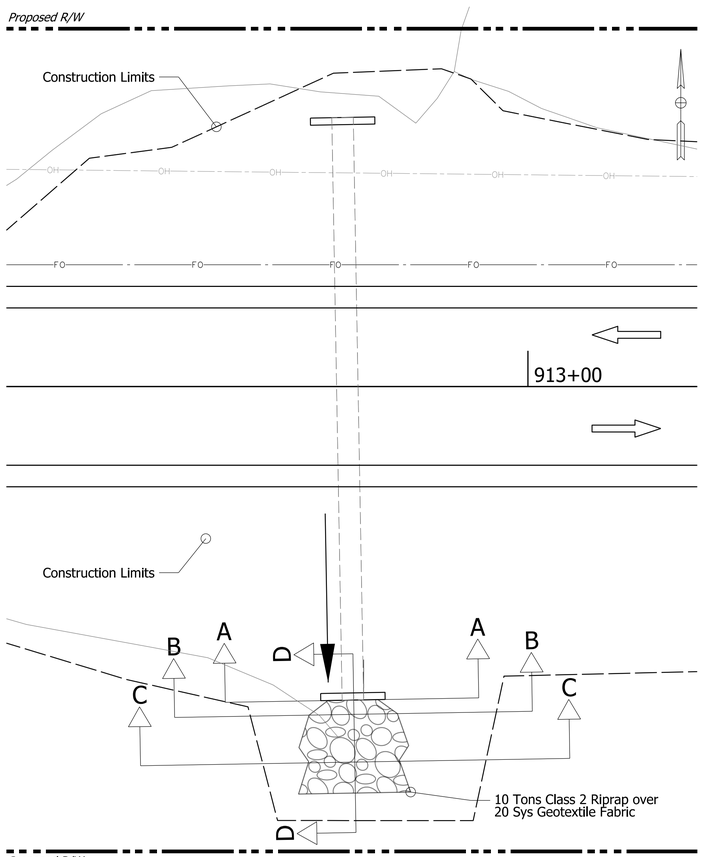


PLAN VIEW
Des. No. 2001747
NOT TO SCALE

WINGWALL TABLE				
Wing	ELEVATION 1	ELEVATION 2	LENGTH (FT)	AREA (SFT)
A				
B				
C				
D				

SOIL PARAMETERS FOR WINGWALL DESIGN	
Nominal Bearing Resistance (psf)	X,XXX
Resistance Factor	X.XX
Factored Bearing Resistance (psf)	X,XXX
Friction Angle Between Wingwall Footing and Foundation	XX°
Internal Friction Angle of the Foundation Soils	XX
Ultimate Cohesion of Foundation Soils (psf)	X,XXX
Ultimate Cohesion of Foundation Soils (psf)	X,XXX
Nominal Friction Factor (f) at Base of Foundation	X.XX

EARTHWORK SUMMARY	
Fill +20%	
Common Excavation	
Waterway Excavation	
Borrow	
Benching	

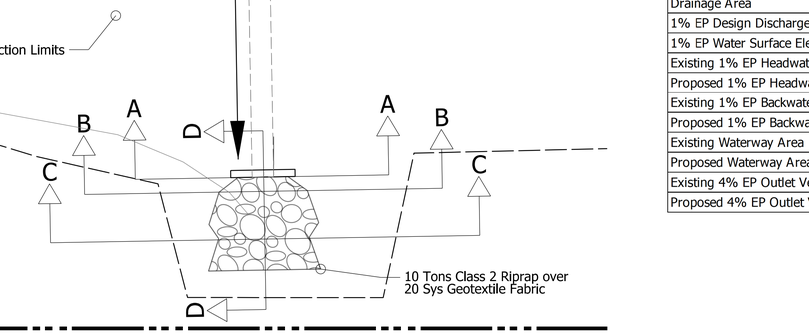
HYDRAULIC DATA	
Drainage Area	77.5 ACRES
1% EP Design Discharge	108.6 CFS
1% EP Water Surface Elevation (NAVD88)	785.93 FT
Existing 1% EP Headwater Elevation (NAVD88)	800.38 FT
Proposed 1% EP Headwater Elevation (NAVD88)	798.22 FT
Existing 1% EP Backwater	13.48 FT
Proposed 1% EP Backwater	11.32 FT
Existing Waterway Area	6.25 SQ FT
Proposed Waterway Area	5.85 SQ FT
Existing 4% EP Outlet Velocity	12.23 FT/SEC
Proposed 4% EP Outlet Velocity	13.69 FT/SEC

EXISTING STRUCTURE
The Existing Culvert is a 36 inch
Corrugated Metal Pipe
Existing Structure to remain in place.

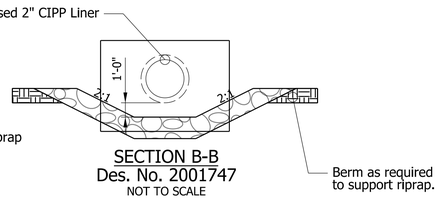
REVIEWER NOTE:

Data tables to be completed at a later stage.

Terrain survey was shot using aerial LIDAR. Structure Invert elevations taken from survey spot elevations. Riprap to conform to natural stream channel.



SECTION D-D
Des. No. 2001747
NOT TO SCALE



SECTION B-B
Des. No. 2001747
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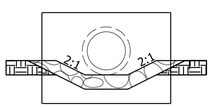
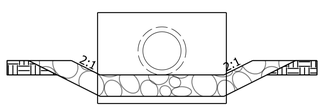
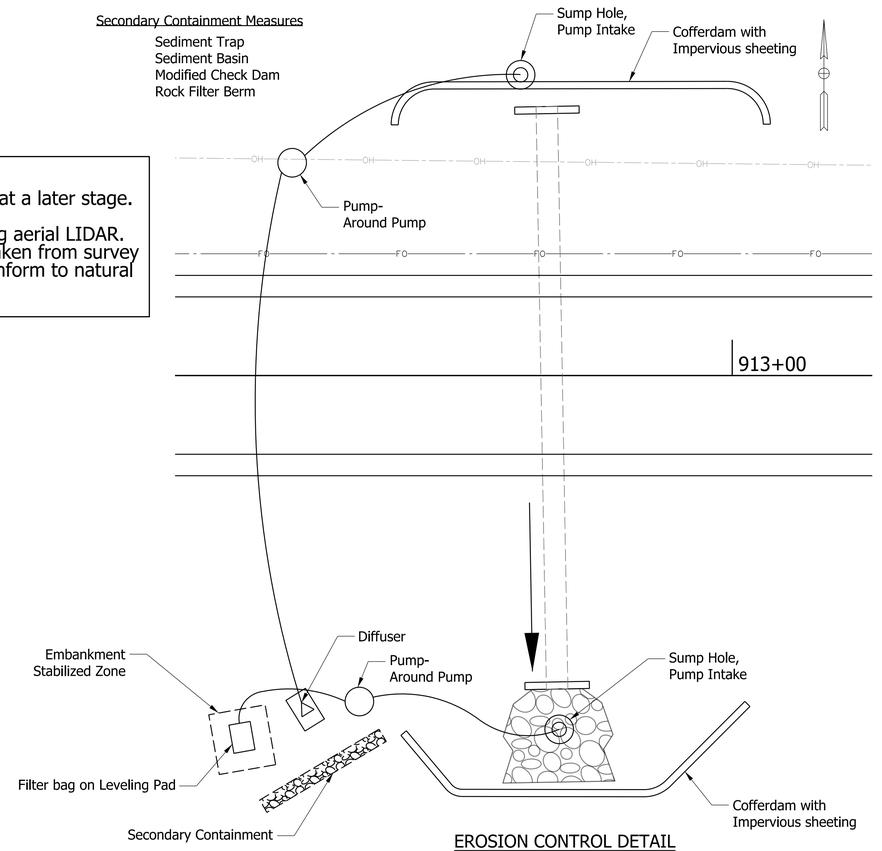


SECTION A-A
Des. No. 2001747
NOT TO SCALE

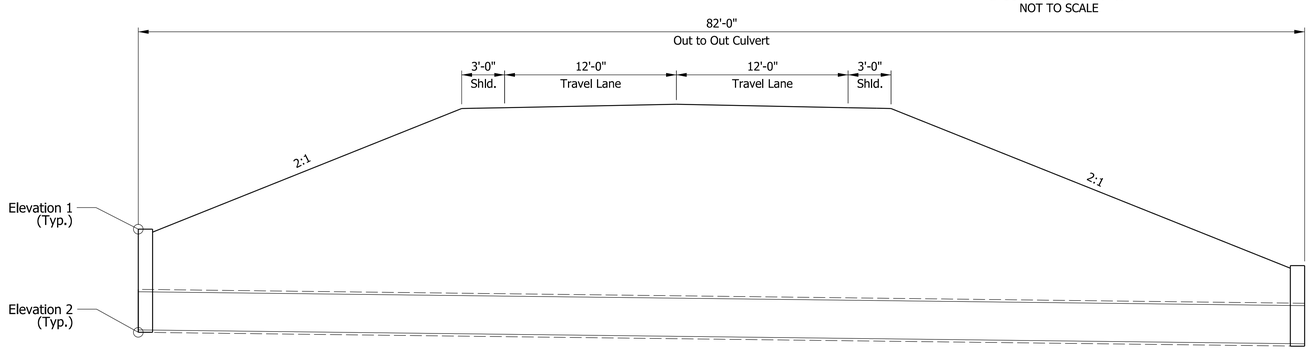


SECTION C-C
Des. No. 2001747
NOT TO SCALE

Secondary Containment Measures
Sediment Trap
Sediment Basin
Modified Check Dam
Rock Filter Berm



EROSION CONTROL DETAIL
Des. No. 2001747
NOT TO SCALE



TYPICAL SECTION
Des. No. 2001747
NOT TO SCALE

Note: If lining is not feasible, hydraulically equivalent replacement options inlcude 5' diameter smooth corrugated circular pipes with 12" sump.

GENERAL PLAN
EXISTING 36" CMP W/ HEADWALLS
AND 2-INCH CIPP LINER
30'-0" CLEAR ROADWAY SKEW: 01°13'45"
SR 38 OVER DITCH
CLINTON COUNTY

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER — 2/17/2021 — DATE

DESIGNED: KS | DRAWN: AP
CHECKED: JR | CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS
CV 038-012-15.38

	BRIDGE FILE
	2000802
SCALE	DESIGNATION
NTS	1601074
SURVEY BOOK	SHEETS
	155 of 478
CONTRACT	PROJECT
RS-40528	1601074

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PAVEMENT QUANTITIES AND APPROACH TABLE

LOCATION	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	RADII	DISTANCE BEYOND R/W LINE	SURFACE BEYOND R/W LINE			GRADE				EXCAVATION		HMA FOR APPROACHES				HMA MATERIALS					SUBGRADE TREATMENT TYPE IC	SUBGRADE TREATMENT TYPE II	6" PCCP	9" PCCP	HMA MATERIAL FOR:		COMPACTED AGGREGATE FOR BASE NO. 53				COMPACTED AGGREGATE FOR SURFACE NO. 73		MILLING, ASPHALT, 1.5"	HMA WEDGE AND LEVEL TYPE C	Area	REMARKS
						COMPACTED AGGREGATE BASE	HMA	CONCRETE							HMA FOR APPROACHES				SURFACE 9.5 mm		INTERMD. 19.0 mm		BASE 19.0 mm					PRIME COAT	TACK COAT	COMPACTED AGGREGATE FOR BASE NO. 53				COMPACTED AGGREGATE FOR SURFACE NO. 73					
															LBS. PER SYD.				LBS. PER SYD.											DEPTH				DEPTH					
									1	2	3	4	CUT	FILL					165.0		495.0									3"	4"								
		FT	FT	FT	FT	SYS	SYS	SYS	%	%	%	%	CYS	CYS	TON	TON	TON	TON	TON	TON	TON	TON	TON	SYS	SYS	SYS	SYS	SYS	SYS	TON	TON	TON	TON	TON	TON	SYS	TON	SF	
393+31.27 LT.	Drive	11.0	5.0	5/5															1.0		2.0			7							2.0								59	
394+01.5 RT.	Drive	16.0	18.0	5/5															3.0		8.0			32							8.0								286	
394+48.81 RT	Drive	25.0	16.0	5/5															5.0		13.0			49							11.0								437	
399+97.31 LT.	Drive	39.0	20.0	35/25															7.0		21.0			81							18.0								729	
401+71.34 RT.	Drive	21.0	35.0	10/10															9.0		25.0			98							22.0								881	
402+49.84 RT.	Drive	11.0	35.0	8/8															6.0		16.0			64							15.0								575	
491+88.29 RT.	Drive	34.0	11.0	15/15															3.0		7.0			27							6.0								239	
492+33.52 LT.	Road	75.0	30.0	20/35															18.0		52.0			210							47.0								1883	E 350 S
495+93.13 RT.	Drive	20.0	40.0	10/10															4.0		12.0			46							11.0								407	
500+01.41 LT.	Drive	30.0	25.0	10/10															9.0		25.0			98							22.0								882	
500+48.67 LT.	Drive	20.0	26.0	5/5															6.0		16.0			63							14.0								565	
503+13.66 LT.	Drive	27.0	25.0	5/5															6.0		17.0			67							15.0								598	
503+74.24 LT.	Drive	33.0	13.0	5/5															7.0		20.0			78							18.0								694	
504+68.89 RT.	Drive	30.0	19.0	10/10															5.0		14.0			54							12.0								480	
506+13.39 LT.	Drive	18.0	23.0	10/10															4.0		12.0			48							11.0								426	
506+42.81 RT.	Drive	17.0	19.0	10/10															4.0		11.0			43							10.0								383	
508+73.18 LT.	Drive	45.0	24.0	40/25															7.0		21.0			83							19.0								744	
510+14.70 LT.	Road	45.0	30.0	25/25															10.0		28.0			110							25.0								989	S 950 E
510+41.49 RT.	Road	74.0	28.0	30/25															12.0		34.0			134							30.0								1204	S 950 E
514+87.87 LT.	Drive	26.0	45.0	15/15															7.0		20.0			78							18.0								701	
519+42.17 RT.	Drive	41.0	20.0	25/25															7.0		20.0			79							18.0								707	
524+28.98 RT.	Drive	20.0	22.0	10/10															5.0		15.0			60							14.0								535	
534+64.18 RT.	Drive	26.0	22.0	10/10															5.0		15.0			61							14.0								545	
539+09.29 RT.	Drive	23.0	22.0	20/20															5.0		13.0			52							12.0								462	
549+24.29 LT.	Drive	29.0	32.0	25/25															4.0		11.0			41							10.0								368	
550+27.39 RT.	Drive	22.0	22.0	15/15															4.0		12.0			45							10.0								404	
550+59.10 LT.	Drive	44.0	32.0	30/30															5.0		14.0			56							13.0								501	
559+04.16 LT.	Drive	25.0	22.0	10/10															6.0		16.0			62							14.0								556	
567+67.05 LT.	Road	67.0	25.0	25/25															17.0		51.0			204							46.0								1828	S 1050 E
574+66.09 LT.	Drive	28.0	22.0	15/15															5.0		14.0			55							13.0								491	
582+39.57 RT.	Road	80.0	20.0	30/25															20.0		59.0			236							53.0								2124	S 1075 E
586+25.59 LT.	Drive	20.0	22.0	10/10															5.0		15.0			60							14.0								534	
589+14.84 LT.	Drive	20.0	22.0	15/15															5.0		14.0			56							13.0								500	
590+39.66 RT.	Drive	13.0	20.0	15/15															3.0		8.0			31							7.0								277	
590+82.09 LT.	Drive	20.0	22.0	15/15															4.0		10.0			40							9.0								359	
591+80.82 LT.	Drive	28.0	22.0	25/25															7.0		21.0			81							18.0								729	
592+05.558 RT.	Drive	21.0	20.0	15/15															4.0		10.0			38							9.0								335	
592+49.48 LT.	Drive	19.0	22.0	15/25															5.0		13.0			51							12.0								455	
596+61.82 LT.	Drive	71.0	21.0	30/25															19.0		55.0			219							49.0								1970	E County Line Road
608+40.50 RT	Drive	30.0	25.0	15/35															7.0		19.0			75							17.0								669	
609+22.55 LT.	Drive	44.0	21.0	25/25															6.0		18.0			72							16.0								641	
609+67.34 RT.	Drive	30.0	17.0	20/20															5.0		15.0			58							13.0								516	
627+29.43 LT.	Drive	44.0	23.0	25/20															7.0		19.0			76							17.0								682	
630+20.99 RT.	County Road	59.0	18.0	25/15															14.0		40.0			160							36.0								1440	N 950 W
642+74.67 LT.	Drive	16.0	28.0	10/10															4.0		10.0			38							9.0								338	
643+20.60 LT.	Drive	25.0	27.0	10/10															6.0		17.0			65							15.0								582	
644+56.69 LT.	Drive	40.0	24.0	20/15															7.0		20.0			78							18.0								700	
650+71.11 LT.	Drive	28.0	22.0	15/10															7.0		21.0			82							19.0								732	
651+39.79 RT.	Drive	40.0	17.0	10/10															8.0		23.0			93							21.0								831	
659+97.38 LT.	Drive	63.0	22.0	15/15															8.0		24.0			97							22.0								871	
	SUBTOTALS				0	0	0	0	0	0	0	0	0	0	0	0	0	0	347.0	0	986.0	0	0	3891	0	0	0	0	0	0	885.0	0	0	0	0	0	0			

REVIEWER NOTE:
Tables will be completed at a later date.

RECOMMENDED FOR APPROVAL _____ 2/17/2021
DESIGN ENGINEER DATE

DESIGNED: KS | DRAWN: MH
CHECKED: JR | CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT QUANTITIES AND APPROACH TABLE

	BRIDGE FILE
SCALE	DESIGNATION
NTS	1601074
SURVEY BOOK	SHEETS
	156 of 478
CONTRACT	PROJECT
RS-40528	1601074

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PAVEMENT QUANTITIES AND APPROACH TABLE

LOCATION	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	RADII	DISTANCE BEYOND R/W LINE	SURFACE BEYOND R/W LINE			GRADE				EXCAVATION		HMA FOR APPROACHES				HMA MATERIALS					SUBGRADE TREATMENT TYPE IC	SUBGRADE TREATMENT TYPE II	6" PCCP	9" PCCP	HMA MATERIAL FOR:		COMPACTED AGGREGATE FOR BASE NO. 53			COMPACTED AGGREGATE FOR SURFACE NO. 73		MILLING, ASPHALT, 1.5"	HMA WEDGE AND LEVEL TYPE C	Area	REMARKS
						COMPACTED AGGREGATE BASE	HMA	CONCRETE											SURFACE 9.5 mm		INTERMD. 19.0 mm		BASE 19.0 mm					PRIME COAT	TACK COAT										
															LBS. PER SYD.				LBS. PER SYD.											DEPTH				DEPTH				
									1	2	3	4	CUT	FILL					165.0		495.0									3"	4"								
		FT	FT	FT	FT	SYS	SYS	SYS	%	%	%	%	CYS	CYS	TON	TON	TON	TON	TON	TON	TON	TON	TON	SYS	SYS	SYS	SYS	SYS	SYS	TON	TON	TON	TON	TON	TON	SYS	TON	SF	
713+92.95 LT.	Drive	55.0	22.0	30/30															8.0		22.0			87							20.0							776	
726+14.24 RT.	Drive	40.0	20.0	25/25															5.0		13.0			52							12.0							460	
739+67.63 RT.	Drive	63.0	20.0	25/25															10.0		28.0			111							25.0							992	
751.53.12 LT.	Drive	34.0	20.0	15/15															6.0		17.0			67							15.0							603	
752+13.79 RT.	Drive	36.0	24.0	25/25															6.0		17.0			68							15.0							604	
758+43.67 LT.	Drive	30.0	26.0	15/20															4.0		11.0			43							10.0							380	
766+31.83 LT.	County Road	77.0	23.0	30/30															11.0		31.0			122							28.0							1098	N 700 W
766+31.19 RT.	County Road	52.0	25.0	30/30															8.0		22.0			88							20.0							788	N 700 W
782+26.86 LT.	County Road	43.0	25.0	30/30															6.0		17.0			69							16.0							617	N 680 W
786.33.49 RT.	Drive	38.0	15.0	20/20															7.0		19.0			74							17.0							661	
793+16.04 RT.	Drive	24.0	15.0	10/10															4.0		10.0			37							9.0							333	
795+98.75 RT.	Drive	23.0	16.0	25/10															3.0		8.0			33							8.0							290	
805+80.10 LT.	Drive	42.0	20.0	30/30															5.0		14.0			56							13.0							496	
817+19.50 RT.	Drive	47.0	15.0	20/20															4.0		11.0			45							10.0							398	
818+79.02 LT.	County Road	69.0	21.0	30/30															10.0		29.0			117							26.0							1046	N 600 W
818+78.35 RT.	Road	57.0	17.0	30/30															5.0		14.0			53							12.0							475	N. Hamilton Road
845+00.84 LT.	Drive	21.0	20.0	15/15															4.0		10.0			37							9.0							328	
853+12.63 RT.	Drive	49.0	20.0	15/15															4.0		12.0			46							11.0							411	
855+99.97 RT.	Drive	33.0	20.0	20/15															4.0		12.0			48							11.0							425	
859+52.24 LT.	Drive	61.0	20.0	20/20															4.0		11.0			42							10.0							370	
861+07.52 RT.	Drive	45.0	20.0	10/10															7.0		20.0			79							18.0							704	
862+17.28 RT.	Drive	44.0	20.0	20/10															6.0		17.0			67							15.0							601	
865+65.86 LT.	Drive	84.0	20.0	30/30															5.0		15.0			58							13.0							521	
872+16.81 LT.	County Road	64.0	20.0	30/30															9.0		27.0			109							25.0							976	N 500 W
878+04.44 RT.	Drive	30.0	20.0	15/15															4.0		10.0			37							9.0							328	
878+64.15 LT.	Drive	67.0	20.0	20/20															3.0		7.0			26							6.0							233	
880+21.18 LT.	Drive	53.0	20.0	5/25															3.0		7.0			28							7.0							245	
882+40.12 LT.	Drive	46.0	20.0	15/25															2.0		6.0			24							6.0							213	
882+81.61 RT.	Drive	24.0	20.0	15/15															2.0		6.0			24							6.0							214	
882+92.42 LT.	Drive	29.0	20.0	10/10															4.0		11.0			43							10.0							385	
883+91.16 LT.	Drive	26.0	20.0	20/20															3.0		8.0			29							7.0							258	
883+94.55 RT.	Drive	26.0	20.0	20/20															3.0		8.0			30							7.0							264	
896+95.46 LT.	County Road	54.0	22.0	30/30															7.0		20.0			80							18.0							713	N 450 W
898+66.46 RT.	Drive	44.0	20.0	20/25															5.0		14.0			55							13.0							492	
903+24.09 RT.	Drive	28.0	20.0	25/25															3.0		9.0			36							8.0							320	
907+25.63 LT.	Drive	38.0	20.0	30/30															4.0		12.0			47							11.0							421	
916+83.35 RT.	Drive	26.0	24.0	5/15															5.0		14.0			57							13.0							505	
919+67.81 RT.	Drive	40.0	25.0	30/30															3.0		9.0			34							8.0							303	
923+21.02 RT.	County Road	90.0	25.0	30/30															14.0		41.0			162							36.0							1458	N 400 W
926+07.88 RT.	Drive	36.0	25.0	25/25															6.0		17.0			66							15.0							591	
933+55.60 RT.	Drive	38.0	25.0	15/15															3.0		8.0			29							7.0							256	
934+08.44 RT.	Drive	24.0	27.0	5/15															3.0		9.0			36							8.0							320	
937+19.78 RT.	Drive	100.0	25.0	30/15															4.0		11.0			42							10.0							373	
944+31.37 LT.	Drive	56.0	25.0	30/30															5.0		15.0			60							14.0							533	
944+71.52 RT.	Drive	59.0	25.0	5/30															5.0		13.0			52							12.0							462	
948+53.62 RT.	Drive	34.0	25.0	10/25															4.0		12.0			48							11.0							424	
959+22.77 RT.	Drive	115.0	25.0	25/25															6.0		17.0			68							16.0							610	
SUBTOTALS					0	0	0	0	0	0	0	0	0	0	0	0	0	0	246.0	0	691	0	0	2721	0	0	0	0	0	0	626	0	0	0	0	0	0		

REVIEWER NOTE:
Tables will be completed at a later date.

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER — 2/17/2021 — DATE

DESIGNED: KS | DRAWN: MH
CHECKED: JR | CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT QUANTITIES AND APPROACH TABLE

	BRIDGE FILE
SCALE	DESIGNATION
NTS	1601074
SURVEY BOOK	SHEETS
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CONTRACT	PROJECT
RS-40528	1601074

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PAVEMENT QUANTITIES AND APPROACH TABLE

LOCATION	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	RADII	DISTANCE BEYOND R/W LINE	SURFACE BEYOND R/W LINE			GRADE				EXCAVATION		HMA FOR APPROACHES				HMA MATERIALS					SUBGRADE TREATMENT TYPE IC	SUBGRADE TREATMENT TYPE II	6" PCCP	9" PCCP	HMA MATERIAL FOR:		COMPACTED AGGREGATE FOR BASE NO. 53				COMPACTED AGGREGATE FOR SURFACE NO. 73		MILLING, ASPHALT, 1.5"	HMA WEDGE AND LEVEL TYPE C	Area	REMARKS
						COMPACTED AGGREGATE BASE	HMA	CONCRETE											SURFACE 9.5 mm		INTERMD. 19.0 mm		BASE 19.0 mm						PRIME COAT	TACK COAT										
									LBS. PER SYD.						LBS. PER SYD.				LBS. PER SYD.										DEPTH				DEPTH					
									1	2	3	4	CUT	FILL					165.0		495.0								3"	4"								
		FT	FT	FT	FT	SYS	SYS	SYS	%	%	%	%	CYS	CYS	TON	TON	TON	TON	TON	TON	TON	TON	TON	SYS	SYS	SYS	SYS	SYS	SYS	TON	TON	TON	TON	TON	TON	SYS	TON	SF	
SUBTOTALS																																							

REVIEWER NOTE:
Tables will be completed at a later date.

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER 2/17/2021 DATE		INDIANA DEPARTMENT OF TRANSPORTATION	BRIDGE FILE
DESIGNED: KS	DRAWN: MH	PAVEMENT QUANTITIES AND APPROACH TABLE	SCALE: NTS; DESIGNATION: 1601074
CHECKED: JR	CHECKED: KS		SURVEY BOOK; SHEETS: 158 of 478
			CONTRACT: RS-40528; PROJECT: 1601074

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PAVEMENT MARKINGS SUMMARY OF QUANTITIES

LOCATION					LINE EPOXY	LINE EPOXY			TRANSVERSE MARKINGS THERMOPLASTIC STOP LINE	TRANSVERSE MARKINGS CROSSWALK LINE	PAVEMENT MESSAGE THERMOPLASTIC LANE INDICATION ARROW	PAVEMENT MESSAGE THERMOPLASTIC WORD "ONLY"	SNOWPLOWABLE RAISED PAVEMENT MARKERS
					SOLID WHITE 4 in	SOLID YELLOW 4 in	BROKEN YELLOW 4 in	BROKEN WHITE 8 in	SOLID WHITE 24 in	SOLID WHITE 8 in			
STATION	TO	STATION	-	SIDE	ft	ft	ft	ft	ft	ft	EACH	EACH	EACH
392+50	to	418+00	-	Left Edge	2,550								
393+00	to	399+60	-	Left Center		660							
393+00	to	399+60	-	Right Center			660						
393+05	to	418+00	-	Right Edge	2,495								
399+60	to	407+50	-	Center			790						
407+50	to	417+45	-	Left Center			995						
407+50	to	417+45	-	Right Center		995							
417+45	to	418+00	-	Left Center		55							
417+45	to	418+00	-	Right Center		55							
418+00	to	424+80	-	Left Edge	680								
418+00	to	425+40	-	Left Center		740							
418+00	to	425+40	-	Right Center		740							
418+00	to	432+00	-	Right Edge	1,400								
426+20	to	429+50	-	Left Center		330							
426+20	to	429+50	-	Right Center			330						
429+50	to	432+00	-	Center			250						
432+00	to	432+05	-	Right Edge	5								
432+00	to	446+00	-	Center			1,400						
432+00	to	445+35	-	Left Edge	1,335								
432+35	to	446+00	-	Right Edge	1,365								
446+00	to	448+45	-	Center									
446+00	to	460+00	-	Right Edge	1,400								
447+00	to	460+00	-	Left Edge	1,300								
448+45	to	458+25	-	Left Center			980						
448+45	to	458+25	-	Right Center		980							
458+25	to	460+00	-	Left Center		175							
458+25	to	460+00	-	Right Center			175						
460+00	to	478+30	-	Left Edge	1,830								
460+00	to	469+00	-	Left Center		900							
460+00	to	469+00	-	Right Center			900						
460+00	to	479+00	-	Right Edge	1,900								
469+00	to	473+10	-	Left Center*		410							
469+00	to	473+10	-	Right Center*		410							
473+10	to	478+58	-	Left Center		548							
473+10	to	478+58	-	Right Center		548							
473+12	to	478+58	-	Right Right Turn Lane	546						1		
473+12	to	479+00	-	Right Left Turn Lane	588						1		
478+66	to		-	Stop line Left					12				
479+90	to		-	Stop line Right					12				
479+95	to	491+65	-	Left Edge	1,170								
480+11	to	486+00	-	Left Turn Lane	589						1		
480+15	to	486+00	-	Left Center	585								
480+15	to	486+00	-	Right Center	585								
480+50	to	581+95	-	Right Edge	10,145								
486+00	to	490+15	-	Left Center*		415							
486+00	to	490+15	-	Right Center*		415							
490+15	to	497+20	-	Left Center		705							
490+15	to	497+20	-	Right Center			705						
492+80	to	567+20	-	Left Edge	7,440								
497+20	to	502+50	-	Center			530						
502+50	to	510+40	-	Left Center			790						
502+50	to	510+40	-	Right Center		790							
510+40	to	517+60	-	Left Center		720							
510+40	to	517+60	-	Right Center			720						
517+60	to	528+50	-	Left Center			1,090						
517+60	to	549+85	-	Right Center		3,225							
528+50	to	567+50	-	Left Center		3,900							
549+85	to	559+50	-	Right Center			965						
559+50	to	567+50	-	Right Center		800							
568+05	to	654+00	-	Left Edge	8,595								
568+05	to	582+15	-	Left Center		1,410							
568+05	to	582+15	-	Right Center		1,410							
582+85	to	629+85	-	Right Edge	4,700								
582+75	to	588+85	-	Left Center		610							
582+75	to	588+85	-	Right Center			610						
588+85	to	599+65	-	Center			1,080						
599+65	to	604+50	-	Left Center			485						
599+65	to	604+50	-	Right Center		485							

PAVEMENT MARKINGS SUMMARY OF QUANTITIES

LOCATION					LINE EPOXY	LINE EPOXY			TRANSVERSE MARKINGS THERMOPLASTIC STOP LINE	TRANSVERSE MARKINGS CROSSWALK LINE	PAVEMENT MESSAGE THERMOPLASTIC LANE INDICATION ARROW	PAVEMENT MESSAGE THERMOPLASTIC WORD "ONLY"	SNOWPLOWABLE RAISED PAVEMENT MARKERS
					SOLID WHITE 4 in	SOLID YELLOW 4 in	BROKEN YELLOW 4 in	BROKEN WHITE 8 in	SOLID WHITE 24 in	SOLID WHITE 8 in			
STATION	TO	STATION	-	SIDE	ft	ft	ft	ft	ft	ft	EACH	EACH	EACH
604+50	to	610+00	-	Center			550						
610+00	to	615+00	-	Left Center		500							
610+00	to	615+00	-	Right Center			500						
615+00	to	626+00	-	Center			1,100						
626+00	to	630+00	-	Left Center			400						
626+00	to	630+00	-	Right Center		400							
630+55	to	664+16	-	Right Edge	3,361								
630+40	to	648+70	-	Left Center		1,830							
630+40	to	640+45	-	Right Center		1,005							
640+45	to	648+70	-	Right Center			825						
655+09	to	665+61	-	Left Edge	1,051								
664+75	to	667+75	-	Right Edge	300								
666+40	to	676+12	-	Left Edge	971								
668+27	to	671+21	-	Right Edge	294								
671+77	to	674+18	-	Right Edge	241								
674+64	to	676+49	-	Right Edge	185								
676+52	to	679+83	-	Left Edge	331								
677+10	to	680+15	-	Right Edge	305								
680+27	to	683+49	-	Left Edge	321								
680+61	to	683+50	-	Right Edge	289								
680+35	to	683+49	-	Left Center			314						
680+35	to	683+49	-	Right Center		314							
683+50	to		-	Stop Line Right					12				
684+40	to		-	Stop Line Left					12				
684+40	to	701+60	-	Left Center		1,720							
684+40	to	701+60	-	Right Center			1,720						
689+00	to	695+18	-	Left Edge	618								
689+51	to	691+79	-	Right Edge	228								
692+18	to	695+09	-	Right Edge	291								
695+39	to	765+90	-	Left Edge	7,051								
695+47	to	701+60	-	Right Edge	613								
701+93	to	749+75	-	Left Center	4,782	4,782							
701+93	to	739+40	-	Right Center		3,747							
702+08	to	765+98	-	Right Edge	6,390								
739+40	to	749+75	-	Right Center			1,035						
749+75	to	771+00	-	Center			2,125						
766+74	to	782+02	-	Left Edge	1,528								
766+68	to	818+44	-	Right Edge	5,176								
771+00	to	779+47	-	Left Center			847						
771+00	to	782+14	-	Right Center		1,114							
779+47	to	782+14	-	Left Edge		267							
782+53	to	818+48	-	Left Edge	3,595								
782+53	to	803+85	-	Left Center		2,132							
782+53	to	787+10	-	Right Center		457							
787+10	to	803+85	-	Right Center			1,675						
803+85	to	834+50	-	Center			3,065						
819+23	to	871+82	-	Left Edge	5,259								
819+17	to	922+64	-	Right Edge	10,347								
834+50	to	840+25	-	Left Center			575						
834+50	to	840+25	-	Right Center		575							
840+25	to	844+00	-	Center			375						
844+00	to	851+00	-	Left Center		700							
844+00	to	851+00	-	Right Center			700						
851+00	to	858+42	-	Left Center			742						
851+00	to	871+90	-	Right Center		2,090							
858+42	to	871+90	-	Left Center		1,348							
872+53	to	896+65	-	Left Edge	2,412								
872+50	to	896+70	-	Left Center		2,420							
872+50	to	896+70	-	Right Center		2,420							
897+23	to	960+00	-	Left Edge	6,277								
897+20	to	923+03	-	Left Center		2,583							
897+20	to	923+03	-	Right Center		2,583							
923+65	to	960+00	-	Right Edge	3,635								
923+65	to	960+00	-	Left Center		3,635							
923+65	to	960+00	-	Right Center		3,635							
TOTALS					117,058	62,202	30,003	0	48	0	3	0	0

* Double Solid Yellow on center around island

REVIEWER NOTE:
Tables will be completed at a later date.

RECOMMENDED FOR APPROVAL _____ 2/17/2021
DESIGN ENGINEER DATE

DESIGNED: KS DRAWN: MH
CHECKED: JR CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING QUANTITIES

	BRIDGE FILE
SCALE	DESIGNATION
NTS	1601074
SURVEY BOOK	SHEETS
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CONTRACT	PROJECT
RS-40528	1601074

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EXIT NO.	LOCATION (STA..)	SIGN CODE	SIGN SIZE (ft x ft)	SIGN SUMMARY	POST LENGTH (ft)						W6X9		W8X10		W8X13		W8X15		W8X18		W10X19	
				PANEL SIGN AREA (ft x ft)	POST 1		POST 1		POST 1		STEEL (lb)	FOUNDATION TYPE VII (EACH)	STEEL (lb)	FOUNDATION TYPE VIII (EACH)	STEEL (lb)	FOUNDATION TYPE IX (EACH)	STEEL (lb)	FOUNDATION TYPE X (EACH)	STEEL (lb)	FOUNDATION TYPE XI (EACH)	STEEL (lb)	FOUNDATION TYPE XII (EACH)
					POST LENGTH	STUB LENGTH	POST LENGTH	STUB LENGTH	POST LENGTH	STUB LENGTH												
	393+19.54 RT	D3-1	variable X 1																			
	394+45.24 LT	D3-1	variable X 1																			
	395+43.07 RT	R2-1	1.5X2																			
	397+55 RT	W1-2R	2X2																			
	397+55 LT	NA	1.5x1.5																			
	399+15.63 RT	D2-1	variable X 1.5																			
	399+34.92 RT	W14-3	3X3X2																			
	407+45 LT	W14-3	3X3X2																			
	414+55 RT	NA	3X2																			
	415+77 RT	NA	3X2																			
	417+13 RT	W2-2L	2X2																			
	417+48 RT	NA	1.5x1.5																			
	421+96 LT	NA	2X2.5																			
	423+87 LT	NA	3X2																			
	432+57 LT	W2-2L	2X2																			
	448+46 LT	W14-3	3X3X2																			
	456+58 LT	W1-2L	2X2																			
	463+43 RT	NA	1X1																			
	463+78 RT	W2-1	2X2																			
	463+78 RT	W13-1	1.5X1.5																			
	479+82 LT	D3-1	variable X 1																			
	479+82 LT	D3-1	variable X 1																			
	481+16 RT	R2-1	1.5X2																			
	490+62 RT	W2-1	2X2																			
	490+62 RT	W13-1	1.5X1.5																			
	491+99 LT	D3-1	variable X 1																			
	491+99 LT	D3-1	variable X 1																			
	497+02 RT	W14-3	3X3X2																			
	499+29 RT	private	1.5X1.5																			
	499+88 LT	private	1X1																			
	502+28 LT	W14-3	3X3X2																			
	509+90 RT	NA	1X1																			
	510+41 LT	D3-1	variable X 1																			
	510+41 LT	D3-1	variable X 1																			
	517+47 RT	W14-3	3X3X2																			
	518+68 LT	W14-3	3X3X2																			
	554+49 LT	R2-1	1.5X1.5																			
	559+48 LT	W14-3	3X3X2																			
	567+31 LT	D3-1	variable X 1																			
	567+31 LT	D3-1	variable X 1																			
	569+66 RT	private	1X1.5																			
	588+80 RT	W14-3	3X3X2																			
	596+24 LT	D3-1	variable X 1																			
	596+24 LT	D3-1	variable X 1																			
	596+80 RT	NA	1.5X2																			
	596+86 RT	NA	4X4																			
	597+28 LT	NA	1.5X2																			
	598+09 RT	R2-1	1.5X1.5																			
	599+68 LT	W14-3	3X3X2																			
	615+35 RT	W14-3	3X3X2																			
	622+25 RT	W5-2	2.5X2.5																			
	622+25 RT	W13-1	1.5X1.5																			
	625+76 LT	W14-3	3X3X2																			
	644+70 LT	D3-1	variable X 1																			
	644+70 LT	D3-1	variable X 1																			
	645+11 LT	W5-2	2.5X2.5																			
	645+11 LT	13-1	1.5X1.5																			
	648+77 RT	W14-3	3X3X2																			
	652+89 RT	R2-1	1.5X1.5																			
	652+89 LT	R2-1	1.5X1.5																			
	656+14 RT	private	3X3																			
	659+87 RT	D3-1	variable X 1																			
	662+24 RT	R2-1	1.5X1.5																			
	662+24 LT	R2-1	1.5X1.5																			
	664+26 RT	D3-1	variable X 1																			
	664+26 RT	D3-1	variable X 1																			
	664+64 RT	R1-1	2X2																			
	667+24 RT	R2-1	1.5X1.5																			

REVIEWER NOTE:
Tables will be completed at a later date.

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER 2/17/2021 DATE

DESIGNED: KS DRAWN: MH
CHECKED: JR CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

SIGN PANEL
SUMMARY

	BRIDGE FILE
SCALE	DESIGNATION
NTS	1601074
SURVEY BOOK	SHEETS
	160 of 478
CONTRACT	PROJECT
RS-40528	1601074

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EXIT NO.	LOCATION (STA..)	SIGN CODE	SIGN SIZE (ft x ft)	SIGN SUMMARY	POST LENGTH (ft)						W6X9		W8X10		W8X13		W8X15		W8X18		W10X19	
				PANEL SIGN AREA (ft x ft)	POST 1		POST 1		POST 1		STEEL (lb)	FOUNDATION TYPE VII (EACH)	STEEL (lb)	FOUNDATION TYPE VIII (EACH)	STEEL (lb)	FOUNDATION TYPE IX (EACH)	STEEL (lb)	FOUNDATION TYPE X (EACH)	STEEL (lb)	FOUNDATION TYPE XI (EACH)	STEEL (lb)	FOUNDATION TYPE XII (EACH)
					POST LENGTH	STUB LENGTH	POST LENGTH	STUB LENGTH	POST LENGTH	STUB LENGTH												
	668+03 LT	R2-1	1.5X1.5																			
	671+23 RT	D3-1	variable X 1																			
	671+23 RT	D3-1	variable X 1																			
	671+64 RT	R1-1	2X2																			
	672+25 RT	R2-1	1.5X1.5																			
	672+25 RT	D3-1	variable X 1																			
	676+51 RT	D3-1	variable X 1																			
	677+81 RT	W3-1	2X2																			
	680+14 RT	D3-1	variable X 1																			
	680+14 RT	D3-1	variable X 1																			
	679+79 LT	R2-1	1.5X1.5																			
	679+84 LT	R1-1	2x2																			
	683+54 RT	R1-1	2X2																			
	683+56 RT	D3-1	variable X 1																			
	683+56 RT	D3-1	variable X 1																			
	683+45 LT	R1-1	2X2																			
	684+11 LT	R1-1	2X2																			
	687+00 LT	R5-2	2X2																			
	687+15 LT	R1-1	2x2																			
	687+48 RT	D3-1	variable X 1																			
	687+48 RT	D3-1	variable X 1																			
	690+17 RT	R2-1	1.5X1.5																			
	691+81 RT	D3-1	variable X 1																			
	691+81 RT	D3-1	variable X 1																			
	692+11 RT	R1-1	2X2																			
	694+88 RT	R2-1	1.5X1.5																			
	695+43 RT	D3-1	variable X 1																			
	695+43 RT	D3-1	variable X 1																			
	695+43 RT	R1-1	2X2																			
	697+18 LT	R2-1	1.5X1.5																			
	698+70 RT	R1-1	2X2																			
	698+70 RT	D3-1	variable X 1																			
	698+70 RT	D3-1	variable X 1																			
	698+89 RT	R2-1	1.5X1.5																			
	701+67 LT	NA	1X2																			
	701+67 RT	D3-1	variable X 1																			
	701+67 RT	D3-1	variable X 1																			
	702+02 RT	R1-1	2X2																			
	704+00 RT	R2-1	1.5X1.5																			
	705+39 LT	R2-1	1.5X1.5																			
	714+43 LT	R21	1.5X1.5																			
	749+76 RT	W14-3	3X3X2																			
	767+06 RT	R2-1	1.5X1.5																			
	770+97 LT	W14-3	3X3X2																			
	778+59 LT	NA	2X2																			
	780+36 RT	NA	.5X1																			
	782+07 LT	D3-1	variable X 1																			
	782+07 LT	D3-1	variable X 1																			
	803+56 RT	W14-3	2X2																			
	833+08 RT	NA	.5X1																			
	834+33 LT	W14-3	3X3X2																			
	851+53 LT	W14-3	3X3X2																			
	896+71 LT	D3-1	variable X 1																			
	896+71 LT	D3-1	variable X 1																			
	896+78 LT	R1-1	2X2																			
	939+78 RT	NA	.5X1																			
	941+70 LT	R2-1	1.5X1.5																			
	945+32 RT	W3-1	2X2																			
	950+81 RT	M2-1	1.75X1.25																			
	950+81 RT	M2-1	1.75X1.25																			
	950+81 RT	M1-4	2X2																			
	950+81 RT	M1-4	2X2																			
	950+33 LT	D2-2	variable X 2.5																			
	955+80 RT	D1-2a	variable X 2.5																			
	955+80 LT	NA	2X2																			
	955+80 LT	NA	.5X1																			
	960+18 RT	R1-1	2X2																			

REVIEWER NOTE:
Tables will be completed at a later date.

RECOMMENDED FOR APPROVAL _____ 2/17/2021
DESIGN ENGINEER DATE

DESIGNED: KS | DRAWN: MH

CHECKED: JR | CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

SIGN PANEL
SUMMARY

	BRIDGE FILE
SCALE	DESIGNATION
NTS	1601074
SURVEY BOOK	SHEETS
	161 of 478
CONTRACT	PROJECT
RS-40528	1601074

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STRUCTURE DATA

STRUCTURE NUMBER	LOCATION					SIZE	DESCRIPTION		LENGTH	VIDEO INSPECTION	SKEW	COVER		FLOW LINE		SUMP DEPTH	TOP OF CASTING	SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURE BACKFILL TYPE 2	STRUCTURE BACKFILL TYPE ___	FLOWABLE BACKFILL TYPE ___	FLOWABLE BACKFILL TYPE ___	UNDERCUT				GEOTEXTILES for RIPRAP TYPE 1B	REVETMENT RIPRAP	SCOUR PROTECTION			CONCRETE, CLASS A, FOR STR.	PIPE, REMOVE	VIDEO INSPECTION	PIPE END SECTION	GRATED BOX 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 NO. 5 __ IN.	COMPACTED AGGREGATE NO. 53 __ IN.	GEOTEXTILES for ____ TYPE ____			GEOTEXTILES for RIPRAP TYPE 3	REVETMENT RIPRAP	CLASS I RIPRAP							GRATED BOX END SECTION					
					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.			
393	393+30	X			15.6	15		CMP - Metal Pipe	20.0					641.81	641.29																													Install New Pipe
402	401+70		X		23.7	15		CMP - Metal Pipe	40.0					630.52	630.40																													Install New Pipe
403	402+50		X		25.3	15		CMP - Metal Pipe	20.0					630.25	630.19																													Install New Pipe
404	403+90		X		38.9	18		CMP - Metal Pipe	52.0					N/A	N/A																													Existing Culvert to Remain
405	405+53		X		40.8	18		CMP - Metal Pipe	22.1					N/A	N/A																													Existing Culvert to Remain
406A	406+67	X			34.5	15		CMP - Metal Pipe	228.6					N/A	N/A																													Existing Culvert to Remain
406B	408+95	X			30.4	15		CMP - Metal Pipe	42.2					N/A	N/A																													Existing Culvert to Remain
407	406+68		X		41.4	18		CMP - Metal Pipe	24.4					N/A	N/A																													Existing Culvert to Remain
408A	408+30		X		41.4	18		CMP - Metal Pipe	40.0					N/A	N/A																													Existing Culvert to Remain
408B	408+72		X		42.0	18		CMP - Metal Pipe	42.2					N/A	N/A																													Existing Culvert to Remain
409	409+71		X		36.8	18		CMP - Metal Pipe	42.1					N/A	N/A																													Existing Culvert to Remain
410	410+62	X			35.1	18		CMP - Metal Pipe	36.7					N/A	N/A																													Existing Culvert to Remain
411	410+72		X		44.5	18		CMP - Metal Pipe	48.0					N/A	N/A																													Existing Culvert to Remain
412	412+60		X		46.5	18		CMP - Metal Pipe	47.8					N/A	N/A																													Existing Culvert to Remain
413	412+92			X	N/A	6		CMP - Metal Pipe	114.0					N/A	N/A																													Existing Culvert to Remain
414	413+75		X		49.0	18		CMP - Metal Pipe	47.0					N/A	N/A																													Existing Culvert to Remain
415A	412+71	X			43.3	15		CMP - Metal Pipe	93.8					N/A	N/A																													Existing Culvert to Remain
415B	413+65	X			36.2	15		CMP - Metal Pipe	41.4					N/A	N/A																													Existing Culvert to Remain
415C	414+07	X			38.6	15		CMP - Metal Pipe	59.5					N/A	N/A																													Existing Culvert to Remain
415D	414+66	X			42.1	15		CMP - Metal Pipe	101.0					N/A	N/A																													Existing Culvert to Remain
415E	415+67	X			48.5	15		CMP - Metal Pipe	62.1					N/A	N/A																													Existing Culvert to Remain
416	414+96		X		49.6	18		CMP - Metal Pipe	64.5					N/A	N/A																													Existing Culvert to Remain
417	416+32		X		53.3	15		CMP - Metal Pipe	67.2					N/A	N/A																													Existing Culvert to Remain
420	421+64			X	N/A	N/A		BRIDGE	378.5					N/A	N/A																													Existing Bridge to Remain
426	425+62	X			72.2	18		CMP - Metal Pipe	135.3					N/A	N/A																													Existing Culvert to Remain
433	433+20			X	N/A	38x54		CMP - Metal Pipe, Elliptical	56.8					N/A	N/A																													Existing Culvert to Remain
434	433+25			X	N/A	6		CMP - Metal Pipe	57.2					N/A	N/A																													Existing Culvert to Remain
445	445+23		X		53.7	18		CMP - Metal Pipe	74.6					N/A	N/A																													Existing Culvert to Remain
446	446+46	X			45.0	36		CMP - Metal Pipe	86.6					N/A	N/A																													Existing Culvert to Remain
449	449+24	X			51.8	18		CMP - Metal Pipe	41.5					N/A	N/A																													Existing Culvert to Remain
452	452+05	X			34.6	15		CMP - Metal Pipe	50.9					N/A	N/A																													Existing Culvert to Remain
453	453+06	X			36.8	15		CMP - Metal Pipe	254.5					N/A	N/A																													Existing Culvert to Remain
457	457+67	X			37.2	15		CMP - Metal Pipe	36.2					N/A	N/A																													Existing Culvert to Remain
461	461+30	X			36.7	15		CMP - Metal Pipe	28.3					N/A	N/A																													Existing Culvert to Remain
462	461+34		X		39.9	15		CMP - Metal Pipe	23.8					N/A	N/A																													Existing Culvert to Remain
465	464+92	X			36.5	15		CMP - Metal Pipe	18.3					N/A	N/A																													Existing Culvert to Remain
466	466+01		X		41.9	15		CMP - Metal Pipe	32.3					N/A	N/A																													Existing Culvert to Remain
467	466+80	X			35.1	15		CMP - Metal Pipe	18.3					N/A	N/A																													Existing Culvert to Remain
449A	468+50	X			38.9	15		CMP - Metal Pipe	121.1					N/A	N/A																													Existing Culvert to Remain
449B	470+66	X			38.3	18		CMP - Metal Pipe	311.9					N/A	N/A																													Existing Culvert to Remain
449C	472+79	X			39.1	18		CMP - Metal Pipe	114.3					N/A	N/A																													Existing Culvert to Remain
449D	474+00	X			40.2	18		RCP	162.1					N/A	N/A																													Existing Culvert to Remain
473	472+98		X		56.9	24		RCP	32.5					N/A	N/A																													Existing Culvert to Remain
475	474+71		X		59.4	24		RCP	32.7					N/A	N/A																													Existing Culvert to Remain
476	476+17	X			48.5	15x24		CMP - Metal Pipe	49.7					N/A	N/A																													Existing Culvert to Remain
477	478+11			X	N/A	6		PVC	125.0					N/A	N/A																													Existing Culvert to Remain
478	478+61			X	N/A	36x48		RC - Box	155.2					N/A	N/A																													Existing Culvert to Remain
479	478+74	X			107.0	36		CMP - Metal Pipe	73.9					N/A	N/A																													Existing Culvert to Remain
480	480+30			X	N/A	6		PVC	104.0					N/A	N/A																													Existing Culvert to Remain
483	483+44			X	N/A	6		PVC	85.0					N/A	N/A																													Existing Culvert to Remain
486	486+05	X			39.8	15x22		CMP - Metal Pipe, Elliptical	33.1					N/A	N/A																													Existing Culvert to Remain
495	494+46			X	N/A	16		CMP - Metal Pipe	7.0					688.93	688.28																									2				Extend 7'
496	495+95		X		20.8	15		CMP - Metal Pipe	40.0					688.73	688.61																													Existing Culvert to be Replaced
500	500+25	X			27.5	15		CMP - Metal Pipe	76.0					690.14	689.90																													Replace 14"x18" & 15" CMPs w/ 15" CMP
503	503+14	X			27.0	15		CMP - Metal Pipe	27.0					690.66	690.57																													Replace 12" RCP w/ 15" CMP
504	503+80	X			25.6	15		CMP - Metal Pipe	40.0					690.81	690.73																													Replace 12" RCP w/ 15" CMP
505	504+70		X		22.0	15		CMP - Metal Pipe	35.0					690.11	690.01																													Existing Culvert to be Replaced
506	506+31	X			27.8	15		CMP - Metal Pipe	62.0					691.76	691.41																													Existing Culvert to be Replaced
507	506+43		X		25.1	15		CMP - Metal Pipe	23.0					691.06	690.97																													Existing Culvert to be Replaced
509	508+75	X			25.4	15		CMP - Metal Pipe	50.0					696.00	695.50																													Install New Pipe
514	514+24			X	N/A	36 w/ 24		RC-BOX with 24" CMP Insert	N/A		N/A			N/A	N/A																				--	--			N/A						Des. No. 2000800 - Remove
						8'x3'		8'x3' RC-BOX	49.0		6.1			694.82	694.33																				46.8	46.8									Des. No. 2000800 - Install

REVIEWER NOTE:
Tables will be completed at a later date.

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER — DATE: 2/17/2021

DESIGNED: KS | DRAWN: MH
CHECKED: JR | CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

STRUCTURE
DATA SHEET, 1 OF 3

	BRIDGE FILE
SCALE	DESIGNATION
NTS	1601074
SURVEY BOOK	SHEETS
	162 of 478
CONTRACT	PROJECT
RS-40528	1601074

I:\18jobs\18H0068B\CAD\Road\Sheet\Sht RoadSummary_07.dgn

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION					SIZE	DESCRIPTION		LENGTH	VIDEO INSPECTION	SKEW	COVER		FLOW LINE		SUMP DEPTH	TOP OF CASTING	SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURE BACKFILL TYPE 2	STRUCTURE BACKFILL TYPE ___	FLOWABLE BACKFILL TYPE ___	FLOWABLE BACKFILL TYPE ___	UNDERCUT				GEOTEXTILES for RIPRAP TYPE 1B	REVETMENT RIPRAP	SCOUR PROTECTION			CONCRETE, CLASS A, FOR STR.	PIPE, REMOVE	VIDEO INSPECTION	PIPE END SECTION	GRATED BOX 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 NO. 5 ___ IN.	COMPACTED AGGREGATE NO. 53 ___ IN.	GEOTEXTILES for ____ TYPE ____			GEOTEXTILES for RIPRAP TYPE 3	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.			
515	514+68	X			27.5	15		CMP - Metal Pipe	85.0					697.10	694.84																														Replace 12" RCP w/ 15" CMP
519	519+43		X		27.9	24		CMP - Metal Pipe	54.0					699.43	698.99																														Existing Culvert to be Replaced
524	524+37		X		30.7	24		CMP - Metal Pipe	44.0					708.38	707.23																														Existing Culvert to be Replaced
535	534+62		X		21.6	15		CMP - Metal Pipe	33.0					723.63	723.30																														Replace 12" CMP with 15" CMP
538	538+70	X			22.2	15		CMP - Metal Pipe	40.0					723.81	723.69																														Existing Culvert to be Replaced
540	539+87			X	N/A	38x24		RCHEP Pipe	39.0					722.81	722.68	6																	XX							2				Replace 15" CMP w/ 38"x24" RCHEP
559	559+03	X			27.1	15		CMP - Metal Pipe	35.0					730.76	730.59																														Replace 10" RCP w/ 15" CMP
560	560+93		X		23.7	15		CMP - Metal Pipe	30.0					727.63	727.48																														Install New Pipe
	562+01					32x24		CMP - Metal Pipe	44.8		N/A			N/A	N/A																				--	--		N/A						Des. No. 2000802 - Remove
561	562+04			X	N/A	5'x3'		RC-BOX	45.0		0			726.00	725.61																				69.6	69.6								Des. No. 2000802 - Install
	562+07					32x24		CMP - Metal Pipe	44.8		N/A			N/A	N/A																				--	--		N/A						Des. No. 2000802 - Remove
573	573+23			X	N/A	38x24		RCHEP Piipe	44.0					736.98	736.78																						XX				2				Replace 12" CMP w/38x34 RCHEP
574	574+67	X			26.0	15		CMP - Metal Pipe	35.0					738.50	738.15																														Install New Pipe
582	582+73			X	N/A	15		CMP - Metal Pipe	44.0					747.83	747.50																						XX				2				Existing Culvert to be Replaced
586	586+26	X			24.9	15		CMP - Metal Pipe	28.0					750.40	750.13																														Replace 10" w/ 15" CMP
589	589+14	X			25.6	15		CMP - Metal Pipe	28.0					754.54	753.46																														Replace 12" w/ 15" CMP
590	590+37		X		25.0	15		CMP - Metal Pipe	34.0					754.67	754.33																														Replace 10" w/ 15" CMP
591	590+83	X			24.5	12		RCP	30.4					N/A	N/A																														Existing Culvert to be Removed
592	591+81	X			23.6	15		CMP - Metal Pipe	33.0					755.67	755.50																														Replace 10" RCP w/ 15" CMP
593	592+49	X			25.3	15		CMP - Metal Pipe	22.0					755.30	755.19																														Replace 10" RCP w/ 15" CMP
594	593+86			X	N/A	18		CMP - Metal Pipe	44.0					753.75	753.57																						XX				2				Replace 12" CMP w/ 18" CMP
601	601+41			X	N/A	18		CMP - Metal Pipe	44.0					751.80	751.60	24																					XX				2				Replace 15" CMP w/ 18" CMP
608	608+34		X		23.2	10		CMP - Metal Pipe	39.9					N/A	N/A																														Existing Culvert to be Removed
610	609+68		X		28.2	15		CMP - Metal Pipe	35.0					753.71	753.54																														Install New Pipe
630	630+25		X		37.0	24		CMP - Metal Pipe	70.0					747.05	746.70																														Replace 24" VCP w/ 24" CMP
631	630+22	X			30.8	15		CMP - Metal Pipe	44.0					749.38	748.35																														Replace 12" RCP w/ 15" CMP
634	633+66			X	N/A	87x71		Arch	N/A					N/A	N/A																				--	--		N/A			--			Des. No. 1902042 - Remove
					N/A				N/A					742.82	743.26																				207	207				2 Headwalls				Des. No. 1902042 - Install 41 ft of Lining
645	644+55	X			24.6	15		CMP - Metal Pipe	50.0					761.28	761.03																														Remove 10", Install 15"
646	647+02			X	N/A	18		CMP - Metal Pipe	5.0					760.28	757.90																														Extend 5' of 18" CMP
650	650+75	X			24.5	15		CMP - Metal Pipe	50.0					762.29	761.79																														Remove 10", Install 15"
656	656+18			X	N/A	15		CMP - Metal Pipe	4.0					765.54	763.56																														Extend 4' of 15" CMP
659	658+64	X			21.0	18		HDPE - Plastic Pipe	485.7					N/A	N/A																														Existing Culvert to Remain
665	664+31	X			16.0	N/A		MH - Man Hole	N/A					N/A	N/A																														Existing Manhole to Remain
666	665+45			X	N/A	30		CMP - Metal Pipe	43.4					N/A	768.55																														Existing Culvert to Remain
667	665+43		X		15.0	N/A		MH - Man Hole	N/A					N/A	768.05																														Existing Manhole to Remain
668	666+00	X			44.5	15		CMP - Metal Pipe	41.3					N/A	N/A																														Existing Culvert to Remain
687	687+09	X			21.0	N/A		I - Inlet	N/A					N/A	N/A																														Existing Inlet to Remain
688	687+13		X		35.0	N/A		I - Inlet	N/A					N/A	N/A																														Existing Inlet to Remain
689	687+55	X			23.0	N/A		I - Inlet	N/A					N/A	N/A																														Existing Inlet to Remain
691	690+86			X	N/A	8		Clay	77.5					N/A	N/A																														Existing Culvert to Remain
694	693+70			X	N/A	8		Clay	72.3					N/A	N/A																														Existing Culvert to Remain
699	698+81			X	N/A	10		Clay	64.6					N/A	N/A																														Existing Culvert to Remain
702	701+76			X	N/A	6		PVC	66.1					N/A	N/A																														Existing Culvert to Remain
703A	703+30	X			24.7	12		CMP - Metal Pipe	177.9					N/A	N/A																														Existing Culvert to Remain
703B	703+82	X			39.0	12		PVC	82.0					N/A	N/A																														Existing Culvert to Remain
703C	704+28	X			32.2	10		PVC	14.2					N/A	N/A																														Existing Culvert to Remain
704	704+33		X		21.2	10		CMP - Metal Pipe	24.8					N/A	N/A																														Existing Culvert to Remain
705	704+81		X		21.7	15		CMP - Metal Pipe	30.3					N/A	N/A																														Existing Culvert to Remain
706	705+93		X		21.7	15		CMP - Metal Pipe	30.8					N/A	N/A																														Existing Culvert to Remain
707	706+47		X		22.3	15		CMP - Metal Pipe	43.5					N/A	N/A																														Existing Culvert to Remain
708	707+31		X		21.3	15		CMP - Metal Pipe	93.2					N/A	N/A																														Existing Culvert to Remain
710	709+50			X	N/A	15		CMP - Metal Pipe	66.0					777.78	776.89																														Existing Culvert to Remain
714	713+93	X			25.7	15		CMP - Metal Pipe	45.0					780.46	780.24																														Existing Culvert to be Replaced
721	720+72			X	N/A	42		Replace 30" CMP with 5'x3' BOX	44.0		2			776.06	775.25																									2 headwalls				Des. 2001746 Remove 30", Install 5'x3' BOX
727	726+87		X		24.5	15		CMP - Metal Pipe	20.0					784.64	784.58																														Install New Pipe
733	732+67			X	N/A	18		CMP - Metal Pipe	5.0					782.98	782.89																														Extend 5' of 18" CMP
743	743+40	X			27.1	15		CMP - Metal Pipe	40.0					782.08	781.68																														Remove 12", Install 15"
749	749+60			X	N/A	N/A		BRIDGE	114.3					N/A	N/A																														Existing Bridge to Remain
751	751+49	X			31.6	36		Remove RCP, Install CMP - Metal Pipe	45.0					768.45	768.00																														Remove 36" RCP, Install 36" CMP
752	752+18		X		24.9	15		CMP - Metal Pipe	50.0					771.83	770.83																														Existing Culvert to be Replaced
758	758+44	X			22.4	15		CMP - Metal Pipe	35.0					781.50	781.39																														Existing Culvert to be Replaced

REVIEWER NOTE:
Tables will be completed at a later date.

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER 2/17/2021 DATE

DESIGNED: KS
DRAWN: MH
CHECKED: JR
CHECKED: KS

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DEPARTMENT OF TRANSPORTATION

STRUCTURE
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STRUCTURE DATA

STRUCTURE NUMBER	LOCATION: STATION	LOCATION: LEFT	LOCATION: RIGHT	LOCATION: CROSS	LOCATION: OFFSET (FT)	SIZE (IN.)	DESCRIPTION: PIPE TYPE	DESCRIPTION: MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE AND TYPE	LENGTH (LFT)	VIDEO INSPECTION (LFT)	SKEW	COVER: MIN (FT)	COVER: MAX (FT)	FLOW LINE: UP STREAM (ELEV.)	FLOW LINE: DOWN STREAM (ELEV.)	SUMP DEPTH (IN.)	TOP OF CASTING (ELEV.)	SERVICE LIFE (YRS)	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURE BACKFILL TYPE 2 (CYS)	STRUCTURE BACKFILL TYPE ___ (CYS)	FLOWABLE BACKFILL TYPE ___ (CYS)	FLOWABLE BACKFILL TYPE ___ (CYS)	UNDERCUT: EXCAVATION (CYS.)	UNDERCUT: COMPACTED AGGREGATE NO. 5 (IN. TONS)	UNDERCUT: COMPACTED AGGREGATE NO. 53 (IN. TONS)	UNDERCUT: GEOTEXTILES for ____ TYPE ____ (TONS)	GEOTEXTILES for RIPRAP TYPE 1B (SYS)	REVETMENT RIPRAP (TON)	SCOUR PROTECTION: GEOTEXTILES for RIPRAP TYPE 3 (SYS.)	SCOUR PROTECTION: REVETMENT RIPRAP (TONS)	SCOUR PROTECTION: CLASS I RIPRAP (TONS)	CONCRETE, CLASS A, FOR STR. (CYS)	PIPE, REMOVE (LFT)	VIDEO INSPECTION (LFT)	PIPE END SECTION (EA.)	GRATED BOX END SECTION: TYPE	GRATED BOX END SECTION: SLOPE	GRATED BOX END SECTION: EA.	CONNECT TO STR.	CULVERT ASSET ID	REMARKS
765	765+13			X	N/A	24		CMP - Metal Pipe	47.0					785.80	785.62																												Remove 16", Install 24"
766	766+34		X		25.2	21		CMP - Metal Pipe	51.0					787.01	786.53																												Remove 15", Install 21"
783	782+68			X	N/A	30x19		Replace 12" CMP with 30x19 RCHEP	68.0					795.86	795.72																												Replace 12" CMP w/ 30"x19" RCHEP
793	793+18		X		28.0	15		CMP - Metal Pipe	30.0					800.10	799.60																												Existing Culvert to be Replaced
802	802+03			X	N/A	18		CMP - Metal Pipe	46.0					800.18	799.74																												Existing Culvert to be Replaced
803	803+42	X			26.5	15		CMP - Metal Pipe	40.0					801.38	801.22																												Replace 15" RCP w/ 15" CMP
807	807+37			X	N/A	2-30x19		CMP - Metal Pipe, Elliptical	82.0					801.20	801.04																												Existing Culvert to be Replaced
817	817+20		X		19.2	15		Replace 14" CMP with 15" CMP	47.0					807.54	807.07																												Remove 14", Install 15"
822	821+78			X	N/A	2-30x19		Replace 8" CMP with 2-30x19 Elliptical CMP	90.0					806.14	805.97																												Remove 8", Install 2-30"x19" CMP
832	832+24		X		21.9	15		CMP - Metal Pipe	60.0					807.34	806.90																												Existing Culvert to be Replaced
833	832+31	X			27.2	15		CMP - Metal Pipe	50.0					806.88	806.37																												Existing Culvert to be Replaced
837	837+02			X	N/A	18		CMP - Metal Pipe	15.0					802.79	802.26																												Extend 15' of 18" CMP
843	843+58	X			23.8	15		CMP - Metal Pipe	32.0					807.94	807.75																												Remove 16", Install 15"
845	845+02	X			24.0	15		Replace 12" RCP with 15" CMP	24.0					806.46	806.39																												Remove 12" RCP, Install 15" CMP
851	851+40			X	N/A	18		CMP - Metal Pipe	8.0					801.25	799.57																												Extend 8' of 18" CMP
854	854+35	X			22.0	N/A		I - Inlet with Type 7 Casting	N/A					RIM 798.95																												Catch Basin to be Replaced w/ Inlet Type E w/ Type 7 Casting
854A	854+35	X			22.0	15		CMP - Metal Pipe	8.0					N/A	798.95																												Install New Pipe
854B	854+35			X	N/A	16		CMP - Metal Pipe	49.0					799.41	798.34																												Existing Culvert to Remain
855	854+35		X		26.0	N/A		CB - Catch Basin	N/A					N/A	N/A																												Existing Catch Basin to Remain
855A	854+35		X		N/A	12		CMP - Metal Pipe	46.0					798.34	N/A																												Existing Culvert to Remain
864	864+21			X	N/A	95x67	—	95"x67" Metal Pipe Arch	N/A					--	--																			--	--								Des. No. 1902043 - Remove
									58.0					775.68	772.10																			93.9	93.9				2 Headwalls						Des. No. 1902043 - Install
870	870+70			X	N/A	18		CMP - Metal Pipe	10.0					776.26	773.88																												Extend 10' of 18" CMP
871	871+62			X	N/A	24		CMP - Metal Pipe	10.0					774.57	773.15																												Extend 10' of 24" CMP
873	873+16			X	N/A	8'x6'	—	RC - Box	N/A		--			--	--																			--	--								Des. No. 1902044 - Remove
									44.0		5.1			771.67	771.59																			132.8	132.8				2 Headwalls						Des. No. 1902044 - Install
878	878+03		X		22.2	15		Replace 12" CMP with 15" CMP	30.0					798.73	798.20																												Remove 12", Install 15"
879	878+63	X			23.1	15		Replace 14" CMP with 15" CMP	35.0					801.20	800.57																												Remove 14", Install 15"
880	880+19	X			24.9	15		Replace 12" CMP with 15" CMP	35.0					803.01	802.56																												Remove 12", Install 15"
882	882+42	X			26.0	N/A		Pipe - Unknown Material	18.0					N/A	N/A																												Existing Culvert to Remain
883	882+91	X			26.2	12		CMP - Metal Pipe	24.5					N/A	N/A																												Existing Culvert to Remain
884	883+90	X			23.5	15		Replace 12" CMP with 15" CMP	26.0					803.51	803.31																												Remove 12", Install 15"
885	883+95		X		23.2	15		CMP - Metal Pipe	40.0					804.08	803.08																												Install New Pipe
886	886+63			X	N/A	15		RCP - Round	35.0					800.59	800.45																												Remove 12", Install 15" RCP
896	895+46			X	N/A	15		CMP - Metal Pipe	7.0					797.56	797.00																												
897	896+97	X			24.0	15		Replace 14" CMP with 15" CMP	56.0					801.20	800.02																												Remove 14", Install 15"
901	900+68		X		23.4	15		Replace 12" CMP with 15" CMP	35.0					805.94	805.59																												Remove 12", Install 15"
903	903+23		X		20.4	8		CMP - Metal Pipe	20.1					N/A	N/A																												Existing Culvert to Remain
906	905+88	X			29.5	N/A		Inlet type E w/ Type 7 Casting	N/A					RIM 799.50																												Existing structure replaced w/ Inlet Type E w/ Type 7 casting
907	907+22	X			27.1	14		CMP - Metal Pipe	24.5					N/A	N/A																												Existing Culvert to Remain
913	912+75			X	N/A	36		CMP - Metal Pipe	81.4					784.42	783.45																												Des. No. 2001747 - Install 2-inch pipe liner
917	916+82		X		22.9	15		Replace 14" CMP with 15" CMP	35.0					809.40	809.05																												Remove 14", Install 15"
922	921+96			X	N/A	30		CMP - Metal Pipe	49.0					803.84	803.57																												Existing 21"x23" CMP to be replaced with 30" CMP
923	923+06	X			27.1	15		Replace 14" CMP with 15" CMP	92.0					808.39	806.55																												Remove 14", Install 15"
924	923+27		X		60.0	12		M - Metal Pipe	25.0					N/A	N/A																												Existing Culvert to Remain
933	933+15			X	N/A	15		Replace 14" RCP with 15" CMP	42.0					808.81	808.59	3																											Remove 14", Install 15"
934	934+79		X		26.6	15		CMP - Metal Pipe	90.0					812.50	810.26																												Install New Pipe
938	938+17		X		28.5	15		Replace 14" RCP with 15" CMP	40.0					814.49	814.29																												Remove 14"RCP, Install 15" CMP
944	944+40	X			23.1	15		CMP - Metal Pipe	80.0					811.03	809.64																												Install New Pipe
945	944+70		X		26.5	15		Replace 14" CMP with 15" CMP	50.0					808.71	808.21																												Remove 14", Install 15"
947	946+89			X	N/A	24		CMP - Metal Pipe	8.0					804.39	803.58																												Extend, 4' LT, 4' RT
948	948+53		X		25.9	15		Replace 8" CMP with 15" CMP	33.0					808.63	806.42																												Remove 8", Install 15"
954	954+50			X	na	15		30"x19" RCHEP Pipe	37.0					809.16	808.96																												Install New Pipe

REVIEWER NOTE:
Tables will be completed at a later date.

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER — DATE: 2/17/2021

DESIGNED: KS | DRAWN: MH
CHECKED: JR | CHECKED: KS

INDIANA
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MAILBOXES TABLE

STATION	LINE	LEFT	RIGHT	OFFSET (FT)	EACH		
					SINGLE	MULTI	DOUBLE
400+20.5	SR 38	x		19	1		
405+50.0	SR 38	x		23	1		
409+36.0	SR 38	x		23	1		
411+05.4	SR 38	x		25			1
415+48.0	SR 38	x		24		1	
446+13.8	SR 38		x	36			1
449+35.0	SR 38		x	25	1		
452+05.5	SR 38		x	24	1		
460+98.7	SR 38		x	25			1
462+16.0	SR 38		x	24		1	
466+20.9	SR 38		x	24		1	
467+37.6	SR 38		x	26	1		
467+61.1	SR 38		x	25		1	
468+48.5	SR 38		x	26	1		
470+51.1	SR 38		x	29			1
472+30.5	SR 38		x	30	1		
472+70.9	SR 38		x	34	1		
473+96.6	SR 38		x	37	1		
474+35.6	SR 38		x	38	1		
478+81.2	SR 38		x	40	1		
495+93.5	SR 38	x		20	1		
500+21.8	SR 38	x		18	1		
500+69.0	SR 38	x		18	1		
502+97.4	SR 38	x		19	1		
503+57.7	SR 38	x		20	1		
505+90.5	SR 38	x		18			1
505+97.6	SR 38	x		19			1
508+93.5	SR 38	x		21	1		
514+95.7	SR 38		x	19	1		
519+56.3	SR 38		x	24			1
559+20.1	SR 38		x	18	1		
586+35.4	SR 38	x		24	1		
588+97.2	SR 38	x		17	1		
590+58.9	SR 38	x		17	1		
591+54.0	SR 38		x	19	1		
592+77.8	SR 38	x		18	1		
610+25.2	SR 38	x		18	1		
627+46.2	SR 38	x		22	1		
643+41.6	SR 38	x		20	1		
644+82.7	SR 38	x		19		1	
650+44.8	SR 38	x		18			1
651+53.2	SR 38	x		18	1		
701+09.9	SR 38	x		20	1		
703+18.5	SR 38	x		18	1		
704+25.3	SR 38	x		17	1		
704+95.1	SR 38	x		17	1		
705+94.6	SR 38	x		18	1		
706+46.3	SR 38	x		19	1		
714+21.9	SR 38	x		22	1		
726+07.5	SR 38	x		19	1		
751+74.7	SR 38	x		18			1
752+25.7	SR 38	x		18			1
786+38.9	SR 38	x		19	1		
793+10.4	SR 38	x		18	1		
796+27.0	SR 38	x		20	1		
816+90.8	SR 38	x		18	1		
855+26.7	SR 38	x		18	1		
878+39.8	SR 38	x		21	1		
883+14.6	SR 38	x		19	1		
883+41.3	SR 38		x	20	1		
883+68.3	SR 38	x		19	1		
899+14.8	SR 38		x	17			1
903+33.9	SR 38		x	17	1		
905+01.6	SR 38		x	16	1		
933+70.2	SR 38		x	20	1		
944+88.8	SR 38		x	20	1		
948+60.9	SR 38		x	19			1
TOTALS					50	5	12

RUMBLE STRIPES

STATION START	STATION END	LT. EDGELINE	CENTER	RT. EDGELINE	LENGTH (FT)
395+50	417+85	X			2235
395+50	417+85		X		2235
395+50	417+85			X	2235
421+63	424+80	X			317
421+63	424+80		X		317
421+63	432+05			X	1042
426+50	445+35	X			1885
426+50	478+58		X		5208
432+35	479+00			X	4665
447+00	478+30	X			3130
479+95	491+65	X			1170
480+15	652+00		X		17185
480+50	581+95			X	10145
492+80	567+20	X			7440
568+05	596+15	X			2810
582+85	629+85			X	4700
597+00	652+00	X			5500
630+55	652+00			X	2145
715+00	749+60	X			3460
715+00	749+60		X		3460
715+00	749+60			X	3460
749+75	765+90	X			1615
749+75	765+90		X		1615
749+75	765+90			X	1615
766+67	782+02	X			1535
766+67	818+44		X		5177
766+67	818+44			X	5177
782+53	818+44	X			3591
819+17	871+82	X			5265
819+17	960+00		X		14083
819+17	922+64			X	10347
872+53	896+65	X			2412
897+23	960+00	X			6277
923+65	960+00			X	3635
TOTAL					147088

VERIFIED UTILITY INFORMATION

TEST HOLE	SIZE & TYPE	STATION (SR38 "LINE A")	OFFSET (FT)	LEFT	RIGHT	NORTHING	EASTING	APPROX. UTILITY DEPTH	EXISTING TOP ELEV.
TH #1	AT&T Fiber Optic in 1 3/4" HDPE Conduit	498+13.72	29.2		x	178475.99	835581.12	4.51'	686.45
TH #2	AT&T Fiber Optic in 1 3/4" HDPE Conduit	501+05.49	28.5		x	178327.62	835832.34	6.73'	684.91
TH #3	AT&T Fiber Optic in 1 3/4" HDPE Conduit	504+94.72	24.8		x	178132.00	836168.58	6.06'	686.15
TH #4	AT&T Fiber Optic in 1 3/4" HDPE Conduit	506+62.82	24.2		x	178046.72	836313.18	6.65'	686.92
TH #5	AT&T Fiber Optic in 1 3/4" HDPE Conduit	517+17.50	28.7		x	177579.99	837261.49	6.48'	692.40
TH #6	AT&T Fiber Optic in 1 3/4" HDPE Conduit	519+09.33	29.8		x	177502.34	837437.03	7.79'	693.28
TH #7	AT&T Fiber Optic in 1 3/4" HDPE Conduit	560+78.91	31.6		x	175829.51	841256.24	8.29'	722.25
TH #8	AT&T Fiber Optic in 1 3/4" HDPE Conduit	563+00.81	31.9		x	175740.51	841459.60	6.10'	725.28
TH #9	AT&T Fiber Optic in 1 3/4" HDPE Conduit	572+95.41	31.1		x	175342.15	842370.89	5.21'	735.05
TH #10	AT&T Fiber Optic in 1 3/4" HDPE Conduit	653+62.96	20.1		x	172102.27	849759.14	4.92'	762.36
TH #11	AT&T Fiber Optic in 1 3/4" HDPE Conduit	654+19.74	19.3		x	172079.88	849811.41	11.19'	755.94
TH #12	AT&T Fiber Optic in 1 3/4" HDPE Conduit	656+76.69	32.2		x	171964.33	850041.28	5.93'	759.12
TH #13	AT&T Fiber Optic in 1 3/4" HDPE Conduit	720+60.22	18.1	x		170926.40	856210.84	6.20'	772.69
TH #14	AT&T Fiber Optic in 1 3/4" HDPE Conduit	750+99.34	22.8	x		170953.01	859249.50	8.10'	762.38
TH #15	AT&T Fiber Optic in 1 3/4" HDPE Conduit	751+99.09	18.0	x		170949.25	859349.29	6.00'	765.74
TH #16	AT&T Fiber Optic in 1 3/4" HDPE Conduit	782+60.54	16.8	x		170936.05	862410.71	4.93'	793.60
TH #17	AT&T Fiber Optic in 1 3/4" HDPE Conduit	801+83.75	19.3	x		170927.36	864334.02	7.19'	795.26
TH #18	AT&T Fiber Optic in 1 3/4" HDPE Conduit	806+96.63	18.1	x		170928.07	864846.59	5.55'	798.09
TH #19	AT&T Fiber Optic in 1 3/4" HDPE Conduit	873+03.40	22.3	x		170872.10	871452.65	6.98'	770.38
TH #20	AT&T Fiber Optic in 1 3/4" HDPE Conduit	933+25.96	16.8	x		170842.57	877472.83	4.50'	807.68

REVIEWER NOTE:
Tables will be completed at a later date.

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER — 2/11/2021 — DATE

DESIGNED: KS | DRAWN: MH
CHECKED: JR | CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

TEST HOLE, MAILBOX AND RUMBLE STRIPS QUANTITIES

	BRIDGE FILE
SCALE	DESIGNATION
NTS	1601074
SURVEY BOOK	SHEETS
	165 of 478
CONTRACT	PROJECT
RS-40528	1601074

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PAVED SIDE DITCH, RIPRAP DITCH, AND SODDING SUMMARY TABLE

LOCATION					PAVED SIDE DITCH									RIPRAP DITCH			SODDING						NURSERY SODDING FOR LAWNS
FROM STATION	TO STATION	LEFT	MEDIAN	RIGHT	ACTUAL LENGTH	CUT OFF WALLS (8' EQUIVAL. LENGTH EACH)	LUGS (8' EQUIVAL. LENGTH EACH)	TOTAL EQUIVALENT PAY LENGTHS TYPE						REVETMENT RIPRAP	UNIFORM RIPRAP	GEOTEXTILES	FOR PAVED SIDE DITCHES	FOR DITCHES	FOR MEDIAN	FOR SHOULDER BREAK	SODDING AT BRIDGE CONE	TOTAL SODDING	
					LFT	EACH	EACH	LFT	LFT	LFT	LFT	LFT		TONS	TONS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS
392+50	393+20	x												24		32							
393+40	394+50	x												37		49							
401+00	401+50			x														34					
494+00	494+46	x																62					
494+27	494+46			x										14		18							
506+55	507+00			x										38		50							
506+62	508+50	x																209					
509+00	509+10	x												9		11							
513+00	514+26			x														112					
514+26	514+80			x										36		48							
515+10	516+00	x																100					
519+70	524+15			x														495					
524+59	527+00			x														268					
534+78	535+25			x														53					
539+87	540+50	x																84					
558+50	558+85	x												30		39							
559+75	560+80			x														117					
562+03	563+31			x														170					
572+00	574+00			x														267					
573+23	574+50	x																170					
574+85	575+50	x																87					
582+00	582+73	x																98					
586+40	589+00	x																347					
589+28	590+70	x																190					
590+54	591+50			x														128					
592+60	594+50	x																254					
593+00	595+00			x														223					
600+50	602+00			x														167					
601+00	601+41	x												42		55							
601+41	602+00	x																79					
608+10	609+50			x														187					
629+00	629+90			x														100					
629+00	630+00	x																134					
630+44	635+75	x																708					
633+66	634+50			x														112					
644+00	644+30	x												30		40							
646+00	648+50			x														334					
651+00	652+00	x																112					
655+50	657+00	x																200					
714+15	716+10	x																260					
719+00	722+00			x														400					
719+50	722+00	x																334					
726+29	726+75			x										39		52							
732+00	733+50	x																200					
743+00	743+20	x												21		27							
751+75	752+12	x												37		49							
752+50	752+88			x										39		51							
758+60	759+50	x																100					
764+50	765+14			x														86					
764+50	766+00	x																200					
766+56	767+50			x														105					
793+30	793+50			x														27					
800+75	802+03	x																171					
806+50	808+00	x																200					
821+00	822+50			x														167					
821+00	822+50	x																200					
831+50	832+00			x														67					
831+50	832+05	x																74					
832+60	837+50			x														545					
837+03	838+00	x																130					
843+00	843+40	x																45					
843+72	844+90	x																132					
850+25	852+00			x														195					
850+50	851+39	x																119					
851+39	851+77	x												39		51							
852+10	855+50	x																114					
870+50	870+70	x												21		27							
870+70	871+15	x																60					

PAVED SIDE DITCH, RIPRAP DITCH, AND SODDING SUMMARY TABLE

LOCATION					PAVED SIDE DITCH									RIPRAP DITCH			SODDING						NURSERY SODDING FOR LAWNS
FROM STATION	TO STATION	LEFT	MEDIAN	RIGHT	ACTUAL LENGTH	CUT OFF WALLS (8' EQUIVAL. LENGTH EACH)	LUGS (8' EQUIVAL. LENGTH EACH)	TOTAL EQUIVALENT PAY LENGTHS TYPE						REVETMENT RIPRAP	UNIFORM RIPRAP	GEOTEXTILES	FOR PAVED SIDE DITCHES	FOR DITCHES	FOR MEDIAN	FOR SHOULDER BREAK	SODDING AT BRIDGE CONE	TOTAL SODDING	
					LFT	EACH	EACH	LFT	LFT	LFT	LFT	LFT		TONS	TONS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS
871+15	871+62	x												40		53							
873+25	874+50			x										42		56							
877+00	877+90			x														40					
878+00	878+45	x																60					
878+20	879+50			x														145					
878+80	880+00	x																134					
880+35	882+00	x																184					
883+00	883+70			x														78					
883+05	883+79	x												63		83							
884+05	887+00	x																394					
884+10	885+65			x														207					
894+50	896+69	x																292					
895+00	896+00			x														134					
897+25	898+50	x																167					
900+85	902+00			x														128					
917+00	918+00			x														112					
921+00	921+94	x																105					
921+50	922+50			x										101		134							
921+94	922+65	x												60		79							
923+75	924+50	x												63		84							
932+00	933+50	x												150		200							
933+18	933+35			x										18		23							
934+25	936+00			x														234					
937+75	937+95			x										21		27							
942+00	944+00	x																267					
943+00	944+45			x														194					
944+80	948+50	x																494					
948+70	949+00			x										26		34							
954+00	954+50	x												51		67							
954+15	955+00			x														19					
954+50	956+00	x																167					

REVIEWER NOTE:
Tables will be completed at a later date.

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER — 2/17/2021 — DATE

DESIGNED: KS
DRAWN: MH
CHECKED: JR
CHECKED: KS

INDIANA
DEPARTMENT OF TRANSPORTATION

DITCHES
SUMMARY

	BRIDGE FILE
SCALE	DESIGNATION
NTS	1601074
SURVEY BOOK	SHEETS
	166 of 478
CONTRACT	PROJECT
RS-40528	1601074

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