PROJECT	DESIGNATION NO.
1700108	1700108
CONTRACT	
R-40411	

INDIANA DEPARTMENT OF TRANSPORTATION

KINNED PROJECT INFORMATION	
DESIGNATION	PROJECT DESCRIPTION
1900353	SMALL STRUCTURE REPLACEMENT FOR UNT TO DRIFTWOOD RIVER
1802999	SCOUR PROTECTION, SR 252 OVER BIG BLUE RIVER

TRAFFIC DATA	S.R. 252 (U.S. 31 to River Rd.)	S.R. 252 (River Rd. to Lincoln St.)	S.R. 252 (Lincoln St. to St. Andrews Ave.)
A.A.D.T. (2018)	5,540 V.P.D.	5,540 V.P.D.	4,820 V.P.D.
A.A.D.T. (2043)	6,850 V.P.D.	6,850 V.P.D.	5,880 V.P.D.
D.H.V. (2043)	645 V.P.H.	645 V.P.H.	563 V.P.H.
DIRECTIONAL DISTRIBUTION	47.12 %	47.12 %	50.66 %
TRUCKS	0.98 % D.H.V.	0.98 % D.H.V.	8.99 % D.H.V.
	4.57 % A.A.D.T.	4.57 % A.A.D.T.	10.63 % A.A.D.T.
DESIGN DATA	S.R. 252 (U.S. 31 to River Rd.)	S.R. 252 (River Rd. to Lincoln St.)	S.R. 252 (Lincoln St. to St. Andrews Ave.)
DESIGN SPEED	40 MPH	30 MPH	40 MPH
PROJECT DESIGN CRITERIA	Partial 3R	Reconstruction (Non-Freeway)	Partial 3R
FUNCTIONAL CLASSIFICATION	State Collector	State Collector	State Collector
RURAL/URBAN	Urban (Suburban)	Urban (Built Up)	Urban (Suburban)
TERRAIN	Level	Level	Level
ACCESS CONTROL	None	None	None

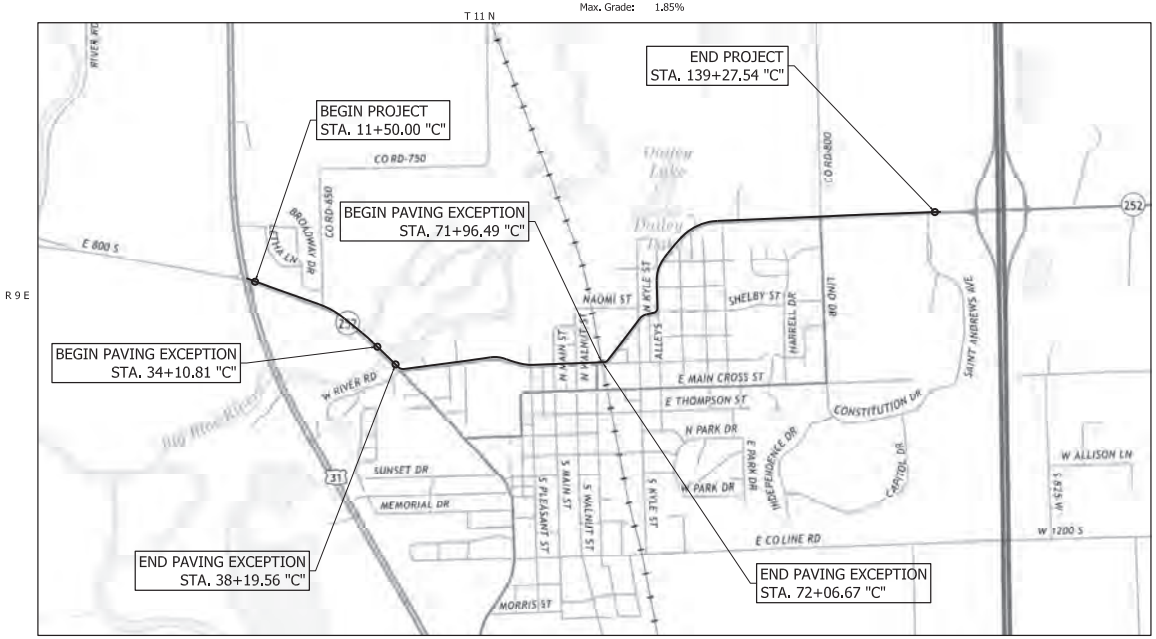
ROAD PLANS

ROUTE: S.R. 252 FROM: RP 28+14 TO RP 30+22

PROJECT NO. 1700108 P.E.
1700108 R/W
1700108 CONST.

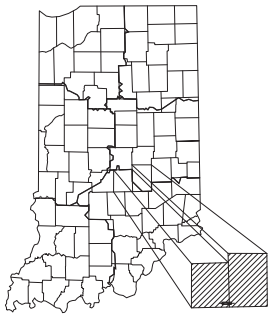
Resurface and Pavement Replacement on S.R. 252 beginning at the east approach to US 31 and runs east through the town of Edinburgh, Indiana , ending just west of I-65
Sections 27, 33 and 34, T-11-N, R-5-E, Blue River Township, Johnson County and Section 26 and 35, T-11-N, R-5-E, Shelby County

Gross Length: 2.44 Mi.
Net Length: 2.36 Mi.
Max. Grade: 1.85%



LOCATION MAP

SCALE 1" = 1000'



PROJECT LOCATION SHOWN BY

LATITUDE 39° 21' 32" N LONGITUDE 85° 59' 06" W

HUC: 05120204050050

CULVERT ASSETS	
DESIGNATION NO.	CULVERT ASSET I.D.
1900353	CV 252-041-29.94

STAGE 2 PLANS
1/22/2021

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

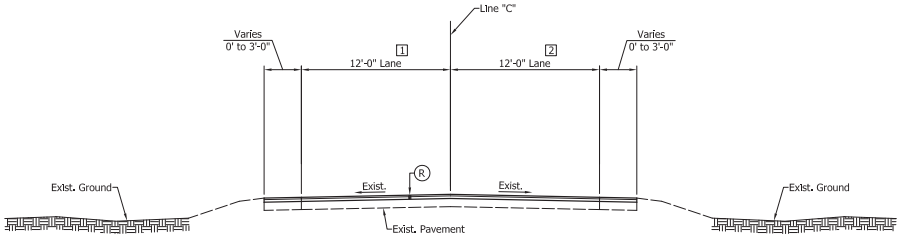
USI consultants
8415 East 56th Street
Indianapolis, Indiana 46216

PLANS PREPARED BY: USI Consultants, Inc. 317-544-4996
PHONE NUMBER
CERTIFIED BY: DATE
APPROVED FOR LETTING: INDIANA DEPARTMENT OF TRANSPORTATION DATE

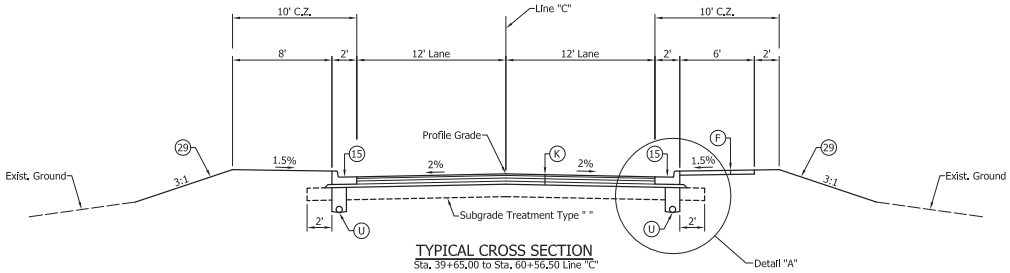
DESIGNATION NO.
1700108

SHEETS		
1	of	260

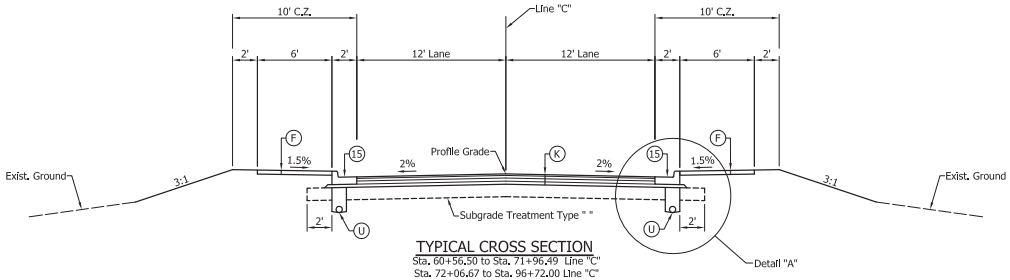
CONTRACT	PROJECT NO.
R-40411	1700108



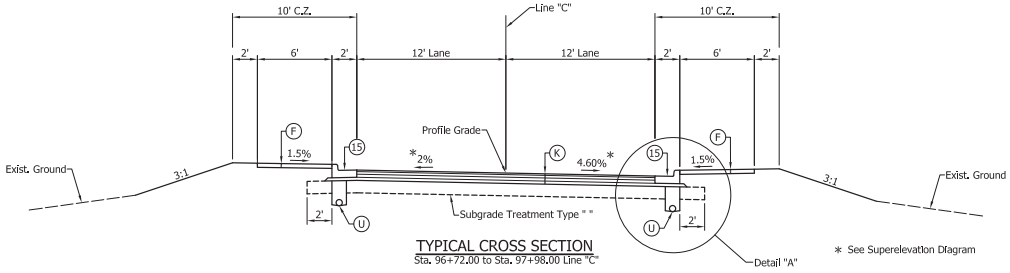
TYPICAL CROSS SECTION
Sta. 11+50.00 to Sta. 34+10.81 Line "C"
Sta. 38+19.56 to Sta. 39+65.00 Line "C"



TYPICAL CROSS SECTION
Sta. 39+65.00 to Sta. 60+56.50 Line "C"



TYPICAL CROSS SECTION
Sta. 60+56.50 to Sta. 71+96.49 Line "C"
Sta. 72+06.67 to Sta. 96+72.00 Line "C"



TYPICAL CROSS SECTION
Sta. 96+72.00 to Sta. 97+98.00 Line "C"

* See Superelevation Diagram

LEGEND

(R) HMA RESURFACE / SURFACE MILLING
165#/Syd. QC/QA-HMA, 2, 64, Surface 9.5 mm on
275#/Syd. QC/QA-HMA, 2, 64, Intermediate 19.0 mm on
4" Surface Milling

(K) HMA Full Depth Pavement
xxx#/Syd. QC/QA-HMA, 2, 64, Surface 9.5 mm on
xxx#/Syd. QC/QA-HMA, 2, 64, Intermediate 19.0 mm on
xxx#/Syd. QC/QA-HMA, 2, 64, Base 19.0 mm on
xxx#/Syd. QC/QA-HMA, 2, 64, Base 19.0 mm

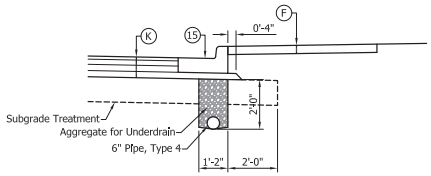
(O) Compacted Aggregate, No. 53

(U) Underdrain

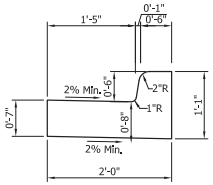
(15) Modified Combined Concrete Curb and Gutter (1.5' Gutter)

(29) Seeding, U

Notes:
C.Z. = Clear Zone
1 24' Sta. 11+50.06 to Sta. 12+29.05 "C"
Varies from 24' @ Sta. 12+29.05 to 12' @ 12+58.56 "C"
2 16.5' Sta. 11+50.06 to Sta. 11+86.36 "C"
Varies from 16.5' @ Sta. 11+86.36 to 12' @ 12+08.06 "C"



DETAIL "A"
Scale: 1" = 2'



Modified Combined Concrete Curb and Gutter
(1.5' Gutter)
Not to scale

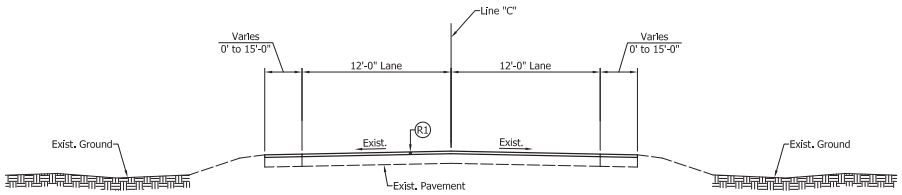
NOT FOR CONSTRUCTION

DESIGNED: JGP | DRAWN: JGP
CHECKED: GRW | CHECKED: GRW

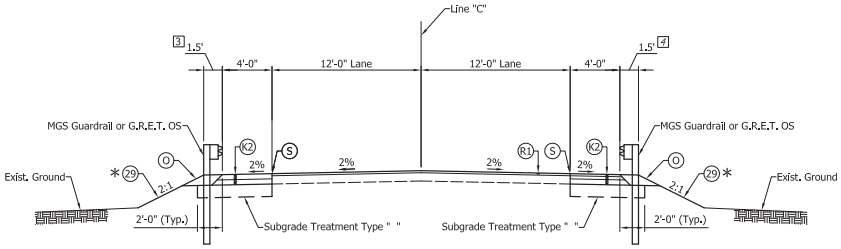
INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS
S.R. 252

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	
VERTICAL SCALE	DESIGNATION
1" = 5'	1700108
SURVEY BOOK	SHEETS
	3 of 260
CONTRACT	PROJECT
R-40411	1700108

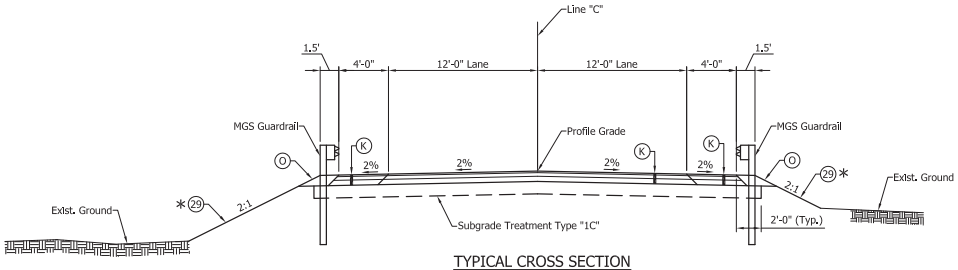


TYPICAL CROSS SECTION
Sta. 96+44.76 to Sta. 125+27.50 Line "C"
Sta. 126+55.00 to Sta. 139+27.54 Line "C"



TYPICAL CROSS SECTION
Sta. 125+27.50 to Sta. 126+25.00 "C"
Sta. 126+55.00 to Sta. 128+15.00 "C"

* All Slopes Steeper Than 3:1 Shall Have Erosion Control Blanket



TYPICAL CROSS SECTION
Sta. 126+25.00 to Sta.126+55.00 Line "C"

LEGEND

R1 HMA RESURFACE / SURFACE MILLING
220#/Syd. QC/QA-HMA, 2, 64, Surface 9.5 mm on
2" Surface Milling

K HMA Full Depth Pavement
xxx#/Syd. QC/QA-HMA, 2, 64, Surface 9.5 mm on
xxx#/Syd. QC/QA-HMA, 2, 64, Intermediate 19.0 mm on
xxx#/Syd. QC/QA-HMA, 2, 64, Base 19.0 mm on
xxx#/Syd. QC/QA-HMA, 2, 64, Base 19.0 mm

K2 xxx#/Syd. QC/QA-HMA, 2, 64, Surface 9.5 mm on
HMA For Widening
xxx#/Syd. QC/QA-HMA, 2, 64, Intermediate 19.0 mm on
xxx#/Syd. QC/QA-HMA, 2, 64, Base 19.0 mm on
xxx#/Syd. QC/QA-HMA, 2, 64, Base 19.0 mm

O Compacted Aggregate, No. 53

U Underdrain

15 Modified Combined Concrete Curb and Gutter (1.5' Gutter)

29 Seeding, U

Notes:
C.Z. = Clear Zone

3 Varies from 1'-4" @ Sta. 125+41.25 to 7'-6" @ Sta. 125+61.25 Aggregate Shoulder
Varies from 1'-5" @ Sta. 127+55.00 to 7'-6" @ Sta. 127+65.00 Aggregate Shoulder
Varies from 7'-6" @ Sta. 128+25.00 to 2'-0" @ Sta. 128+45.00 Aggregate Shoulder

4 Varies from 7'-6" @ Sta. 125+77.50 to 1'-5" @ Sta. 125+87.50 Aggregate Shoulder
Varies from 1'-5" @ Sta. 126+98.75 to 7'-6" @ Sta. 127+08.75 Aggregate Shoulder
Varies from 7'-6" @ Sta. 127+68.75 to 1'-6" @ Sta. 127+93.75 Aggregate Shoulder

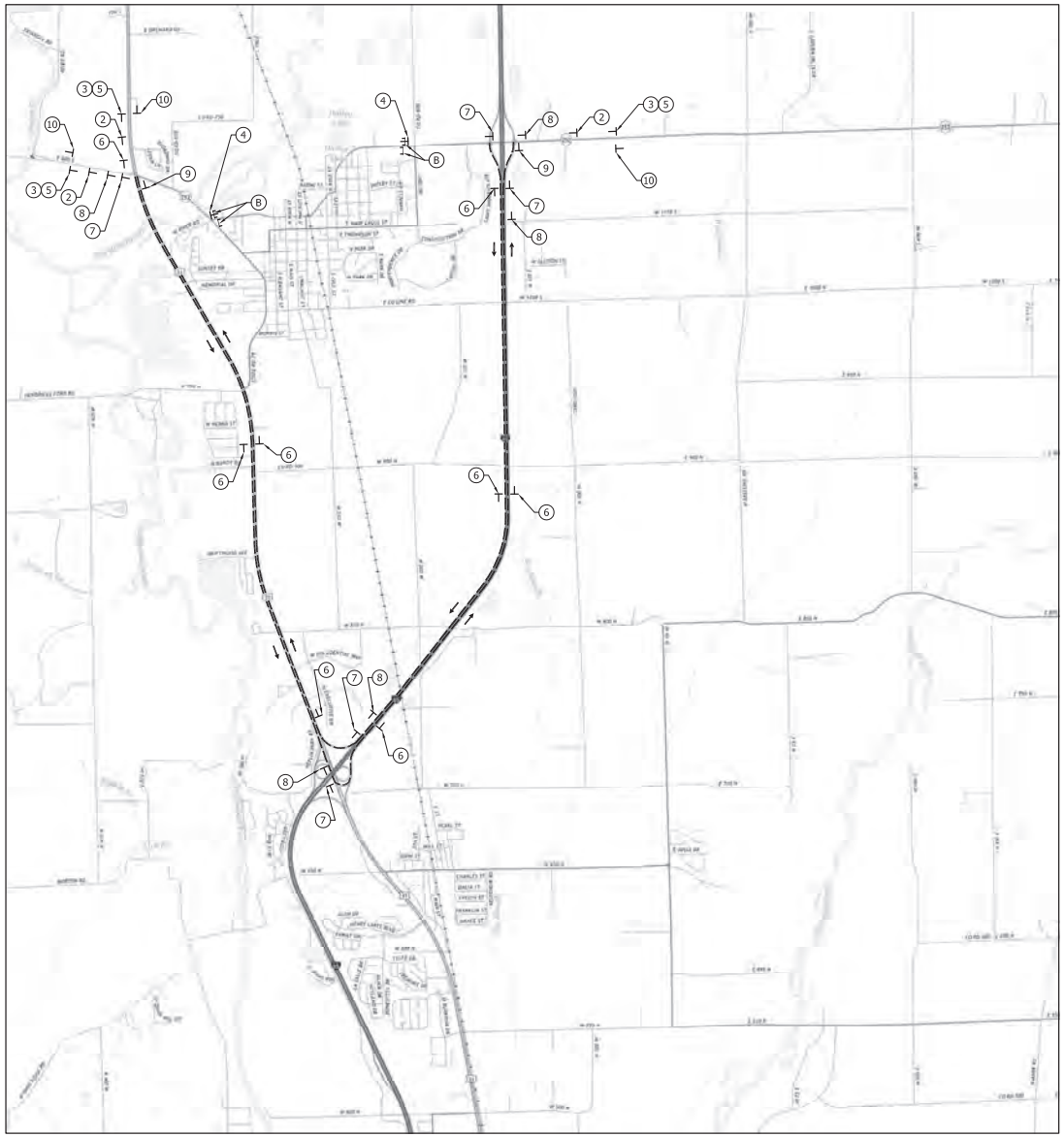
NOT FOR CONSTRUCTION

DESIGNED: JGP	DRAWN: JGP
CHECKED: GRW	CHECKED: GRW

INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS
S.R. 252

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	
VERTICAL SCALE	DESIGNATION
1" = 5'	1700108
SURVEY BOOK	SHEETS
	4 of 260
CONTRACT	PROJECT
R-40411	1700108



LEGEND	DESCRIPTION		SIZE	TYPE	NO.
2	DETOUR AHEAD	XW20-2	48" X 48"	A	3
3	ROAD CLOSED AHEAD	XW20-3	48" X 48"	A	3
4	ROAD CLOSED TO THRU TRAFFIC	R11-4	60" X 30"	Road Closure Assembly	2
5	ROAD CLOSED ON OR AFTER X / X / XX	XG20-6	60" X 30"	A	3
6	DETOUR 252 EAST WEST	XM4-8 M1-5 (252) M3-2 or M3-4 M6-3	30" X 15" 30" X 24" 30" X 15" 21" X 15"	Detour Route Assembly	7
7	DETOUR 252 EAST WEST	XM4-8 M1-5 (252) M3-2 or M3-4 M6-1 (L or R)	30" X 15" 30" X 24" 30" X 15" 21" X 15"	Detour Route Assembly	5
8	DETOUR 252 EAST WEST	XM4-8 M1-5 (252) M3-2 or M3-4 M5-1 (L or R)	30" X 15" 30" X 24" 30" X 15" 21" X 15"	Detour Route Assembly	5
9	END DETOUR 252	XM4-6 XM4-8 M1-5 (252) M5-1 (L or R) or M6-3	30" X 15" 30" X 15" 30" X 24" 21" X 15"	Detour Route Assembly	2
10	END CONSTRUCTION	XG20-2	60" X 24"	A	3
B	TYPE III-B BARRICADE		12'	-	48'

LEGEND

- Detour Route
- Construction Sign
- Indicates Traffic Flow
- Type III Barricade

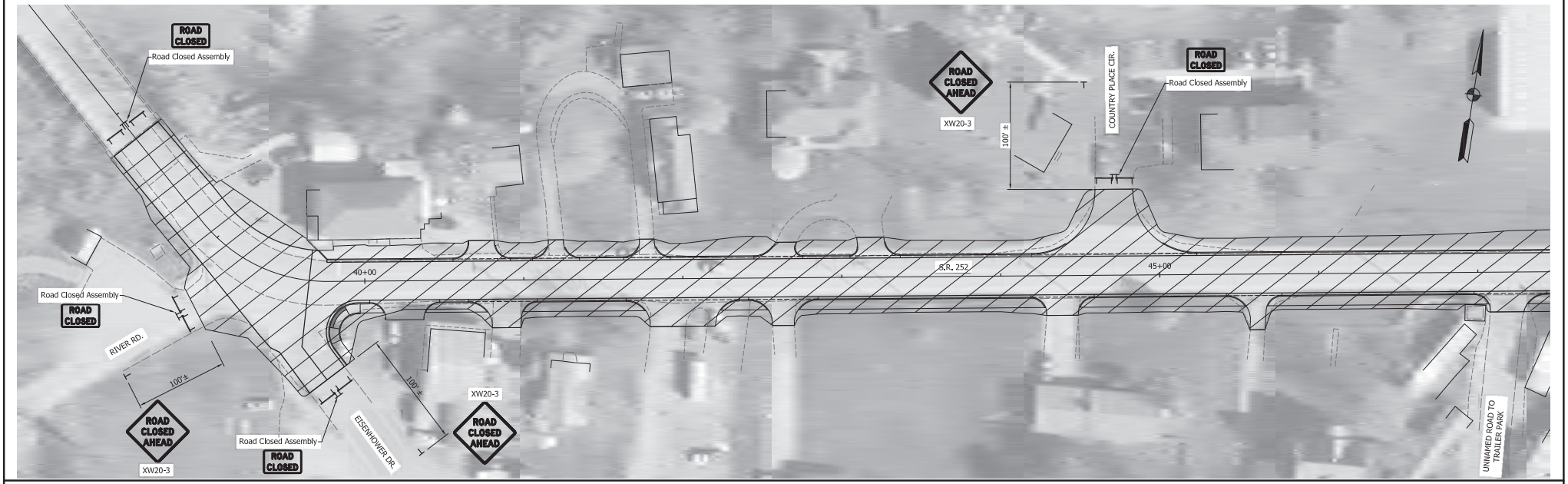
NOT FOR CONSTRUCTION

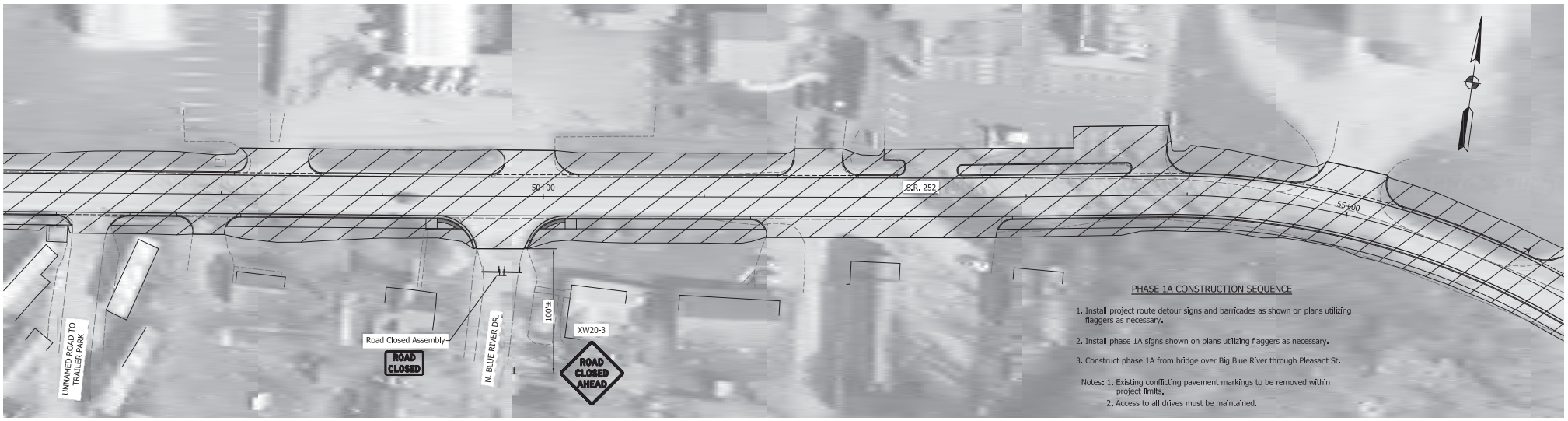
DESIGNED: JGP DRAWN: JGP
CHECKED: GRW CHECKED: GRW

INDIANA
DEPARTMENT OF TRANSPORTATION

ROUTE DETOUR
S.R. 252

HORIZONTAL SCALE	BRIDGE FILE
1" = 2000'	
VERTICAL SCALE	DESIGNATION
1" = 2000'	1700108
SURVEY BOOK	SHEETS
	16 of 260
CONTRACT	PROJECT
R-40411	1700108





PHASE 1A CONSTRUCTION SEQUENCE

1. Install project route detour signs and barricades as shown on plans utilizing flaggers as necessary.
2. Install phase 1A signs shown on plans utilizing flaggers as necessary.
3. Construct phase 1A from bridge over Big Blue River through Pleasant St.

Notes: 1. Existing conflicting pavement markings to be removed within project limits.
2. Access to all drives must be maintained.

LEGEND

- Phase Construction
- Construction Sign
- Type III-B Barricade

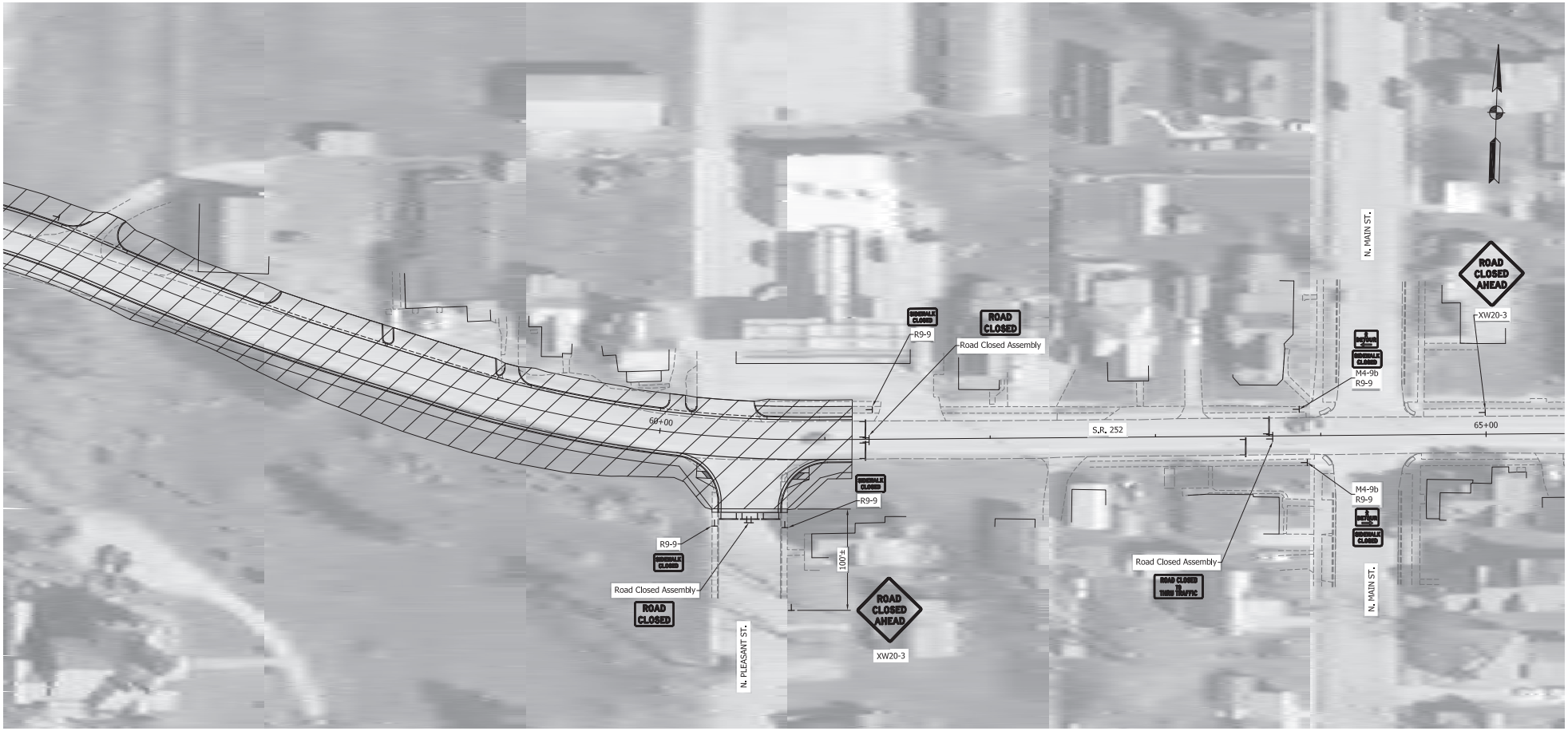
NOT FOR CONSTRUCTION

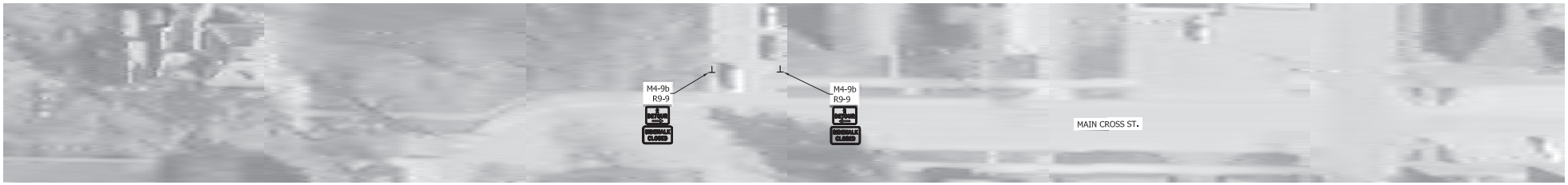
DESIGNED: JGP	DRAWN: JGP
CHECKED: GRW	CHECKED: GRW

INDIANA
DEPARTMENT OF TRANSPORTATION

TRAFFIC MAINTENANCE
PHASE 1A

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	
VERTICAL SCALE	DESIGNATION
1" = 30'	1700108
SURVEY BOOK	SHEETS
	17 of 260
CONTRACT	PROJECT
R-40411	1700108





LEGEND

- Phase Construction
- Construction Sign
- Type III-B Barricade

NOT FOR CONSTRUCTION

DESIGNED: JGP	DRAWN: JGP
CHECKED: GRW	CHECKED: GRW

INDIANA
DEPARTMENT OF TRANSPORTATION

TRAFFIC MAINTENANCE
PHASE 1A

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	
VERTICAL SCALE	DESIGNATION
1" = 30'	1700108
SURVEY BOOK	SHEETS
	18 of 260
CONTRACT	PROJECT
R-40411	1700108

PHASE 1B CONSTRUCTION SEQUENCE

1. Install phase 1B signs shown on plans utilizing flaggers as necessary.

2. Construct phase 1B from East of Pleasant Street to Railroad.

Notes: 1. Existing conflicting pavement markings to be removed within project limits.
2. Access to all drives must be maintained.

LEGEND

- Phase Construction
- Construction Sign
- Type III-B Barricade

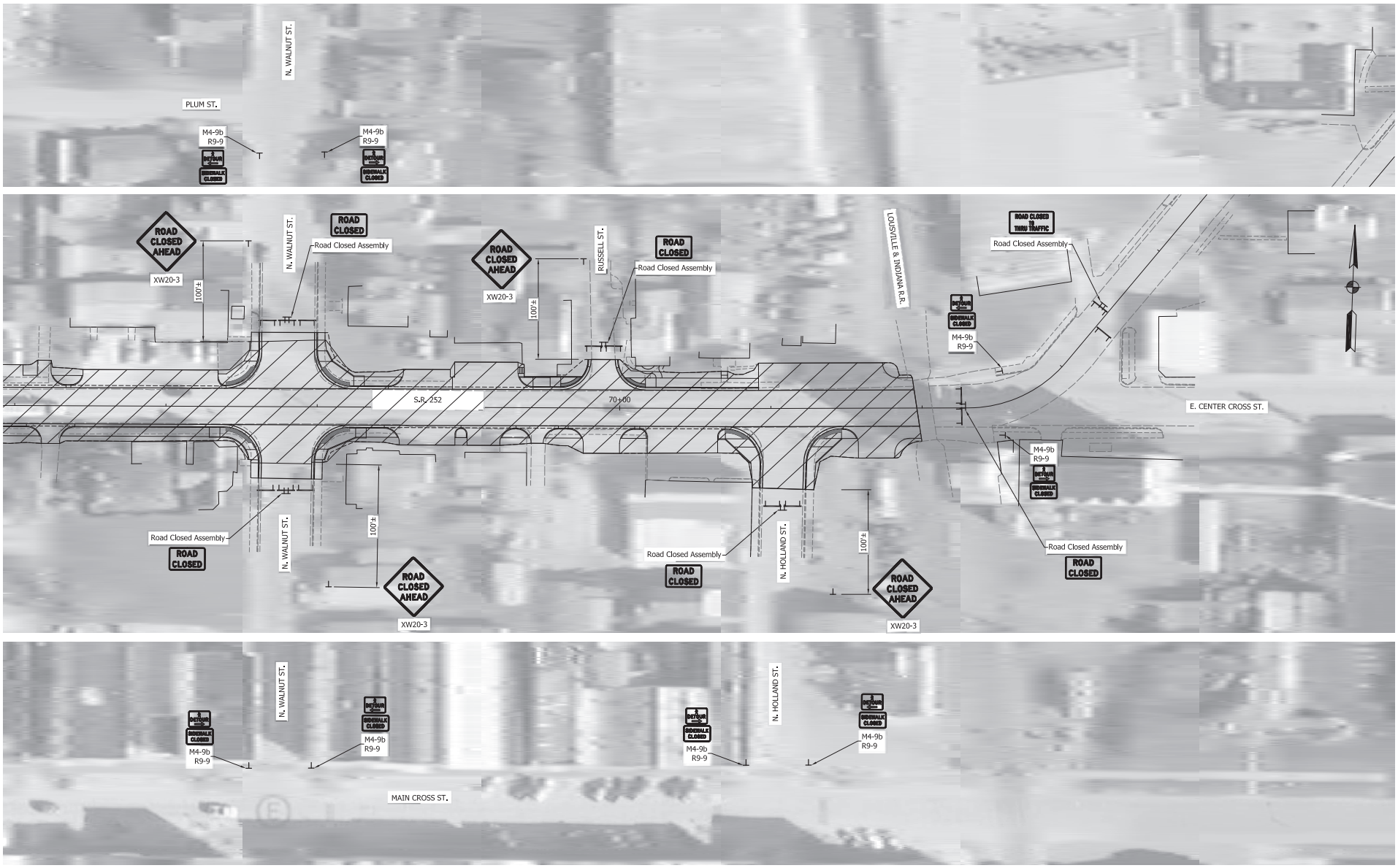
NOT FOR CONSTRUCTION

DESIGNED: JGP	DRAWN: JGP
CHECKED: GRW	CHECKED: GRW

INDIANA
DEPARTMENT OF TRANSPORTATION

TRAFFIC MAINTENANCE
PHASE 1B

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	
VERTICAL SCALE	DESIGNATION
1" = 30'	1700108
SURVEY BOOK	SHEETS
	19 of 260
CONTRACT	PROJECT
R-40411	1700108



LEGEND

Phase Construction

Construction Sign

Type III-B Barricade

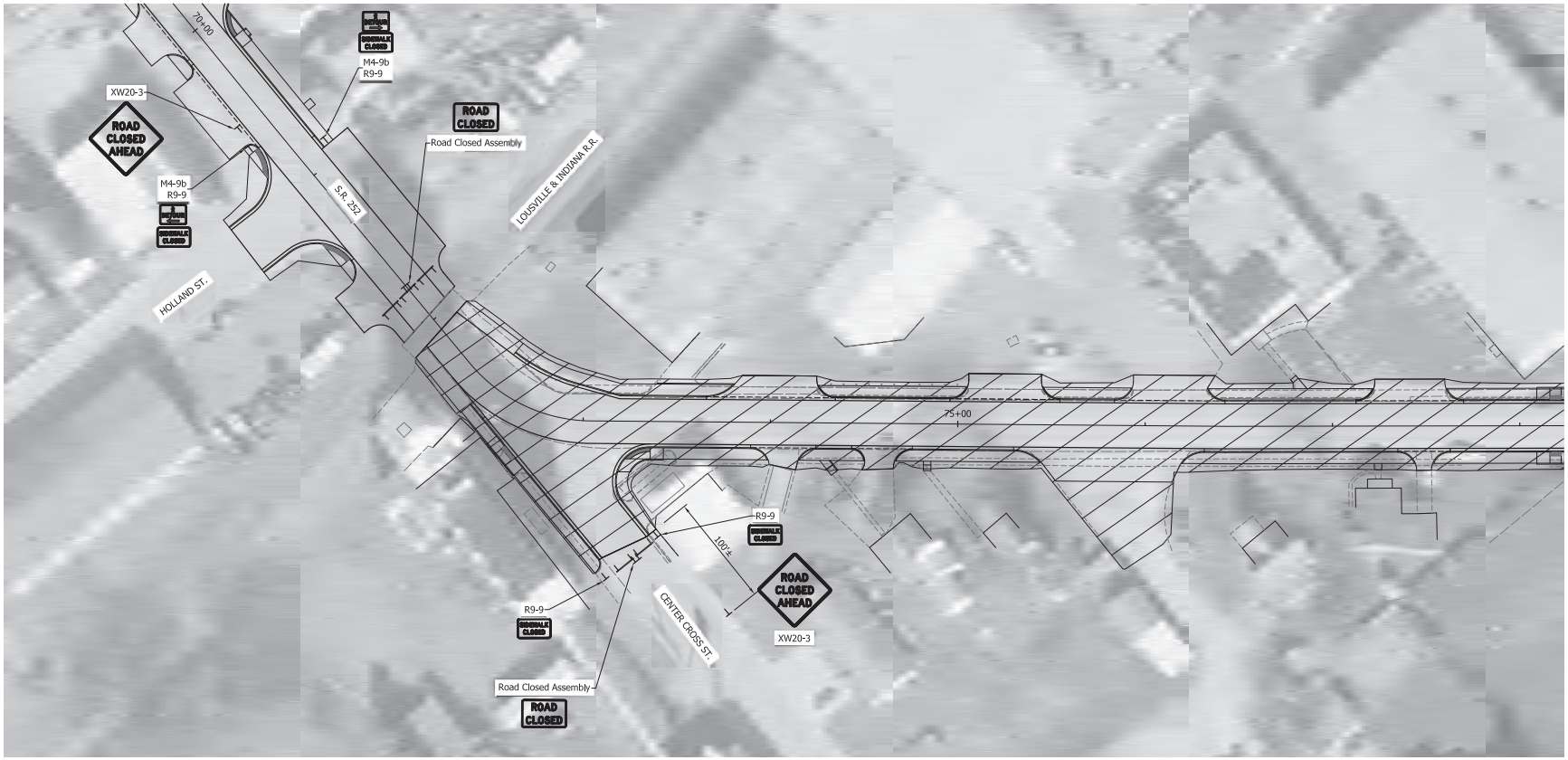
NOT FOR CONSTRUCTION

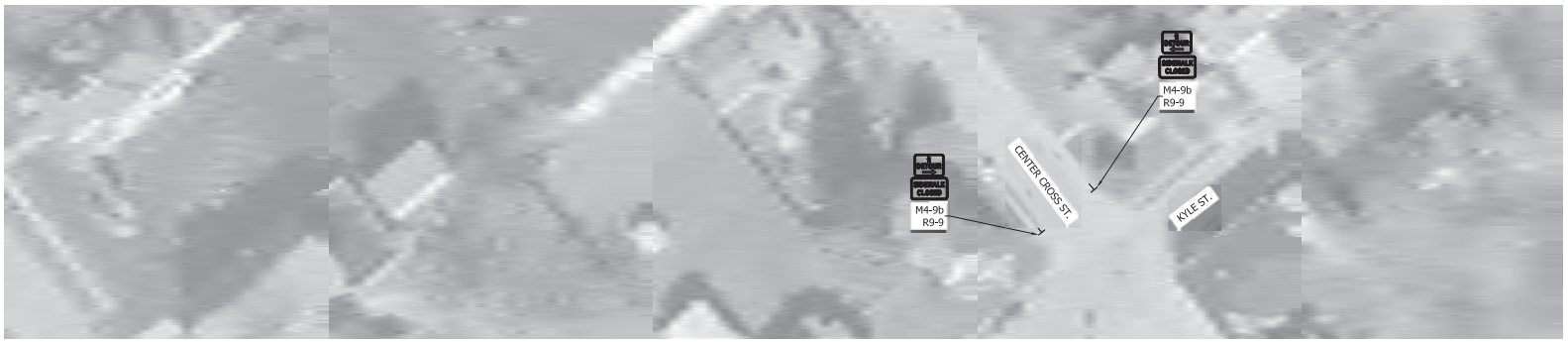
DESIGNED: JGP	DRAWN: JGP
CHECKED: GRW	CHECKED: GRW

INDIANA
DEPARTMENT OF TRANSPORTATION

TRAFFIC MAINTENANCE
PHASE IB

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	
VERTICAL SCALE	DESIGNATION
1" = 30'	1700108
SURVEY BOOK	SHEETS
	20 of 260
CONTRACT	PROJECT
R-40411	1700108





PHASE 2A CONSTRUCTION SEQUENCE

1. Install phase 2A signs shown on plans utilizing flaggers as necessary.

2. Construct phase 2A from Railroad to East of Kyle St.

Notes: 1. Existing conflicting pavement markings to be removed within project limits.
2. Access to all drives must be maintained.

LEGEND

- Phase Construction
- Construction Sign
- Type III-B Barricade

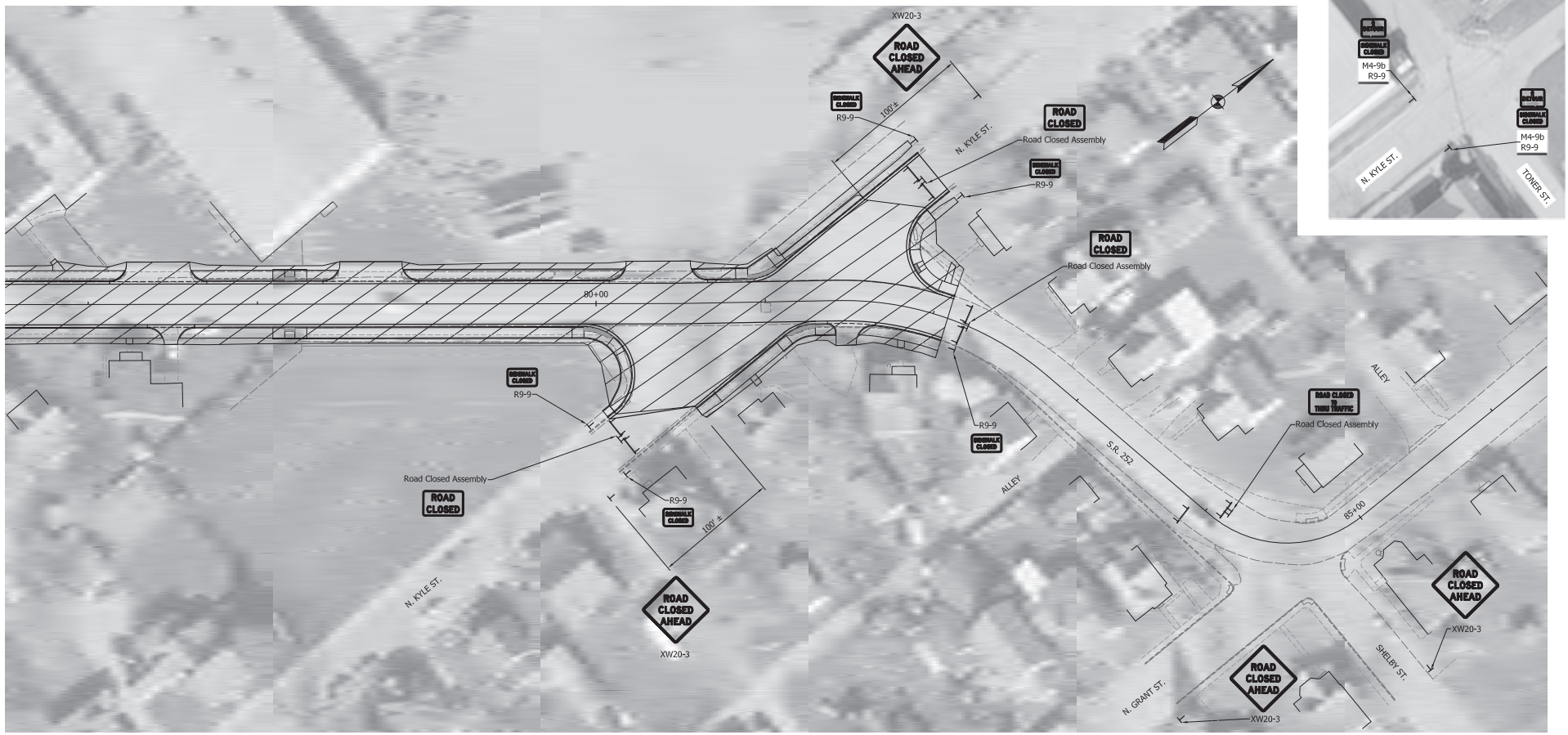
NOT FOR CONSTRUCTION

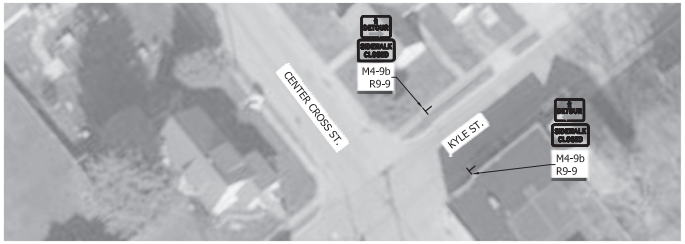
DESIGNED: JGP	DRAWN: JGP
CHECKED: GRW	CHECKED: GRW

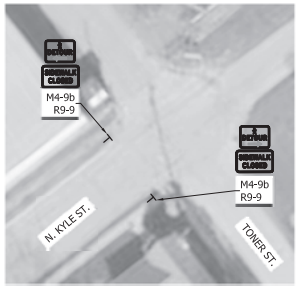
INDIANA
DEPARTMENT OF TRANSPORTATION

TRAFFIC MAINTENANCE
PHASE 2A

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	
VERTICAL SCALE	DESIGNATION
1" = 30'	1700108
SURVEY BOOK	SHEETS
	21 of 260
CONTRACT	PROJECT
R-40411	1700108







LEGEND

- Phase Construction
- Construction Sign
- Type III-B Barricade

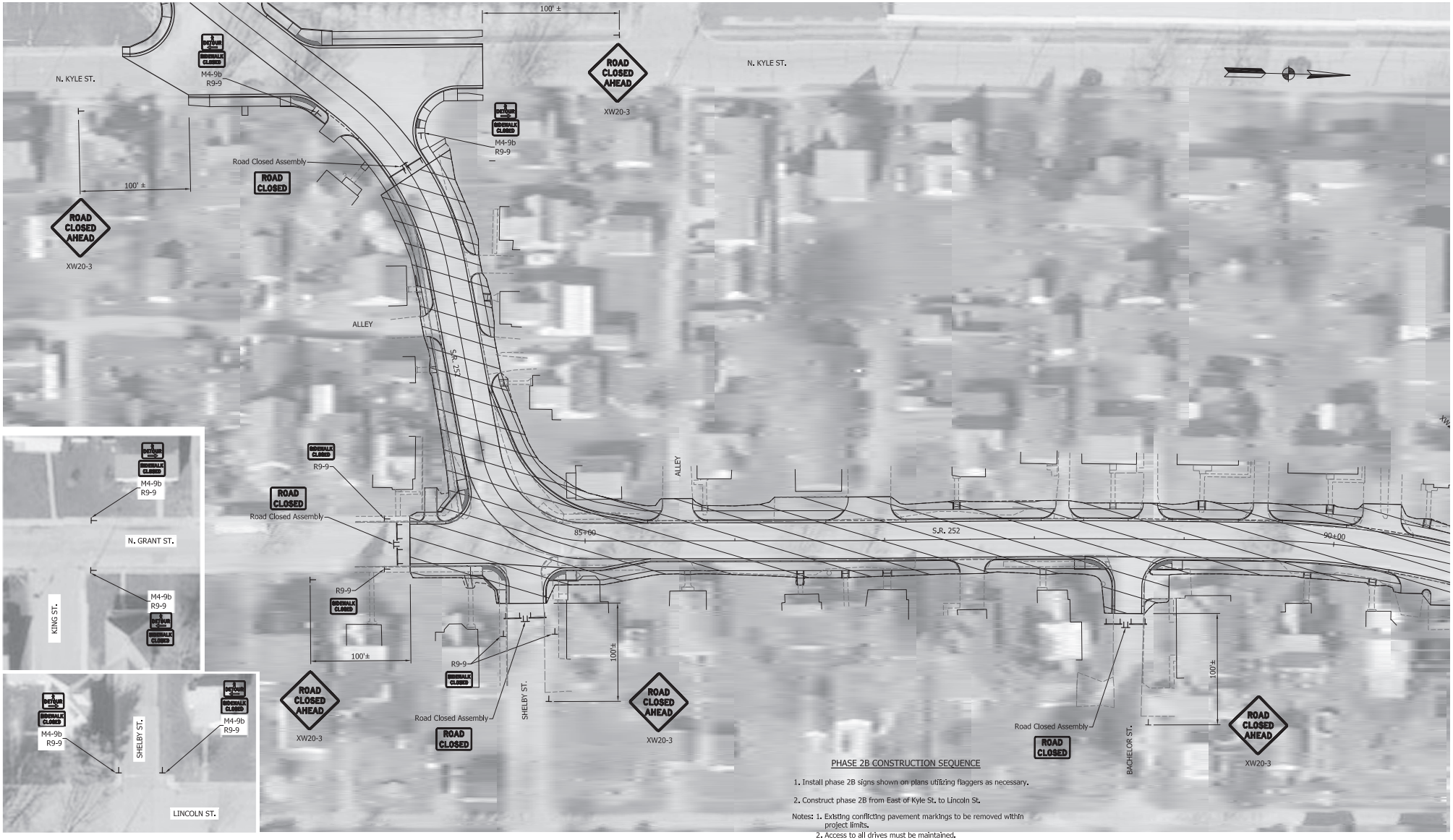
NOT FOR CONSTRUCTION

DESIGNED: JGP | DRAWN: JGP
CHECKED: GRW | CHECKED: GRW

INDIANA
DEPARTMENT OF TRANSPORTATION

TRAFFIC MAINTENANCE
PHASE 2A

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	
VERTICAL SCALE	DESIGNATION
1" = 30'	1700108
SURVEY BOOK	SHEETS
	22 of 260
CONTRACT	PROJECT
R-40411	1700108



PHASE 2B CONSTRUCTION SEQUENCE

1. Install phase 2B signs shown on plans utilizing flaggers as necessary.

2. Construct phase 2B from East of Kyle St. to Lincoln St.

Notes: 1. Existing conflicting pavement markings to be removed within project limits.
2. Access to all drives must be maintained.

LEGEND

- Phase Construction
- Construction Sign
- Type III-B Barricade

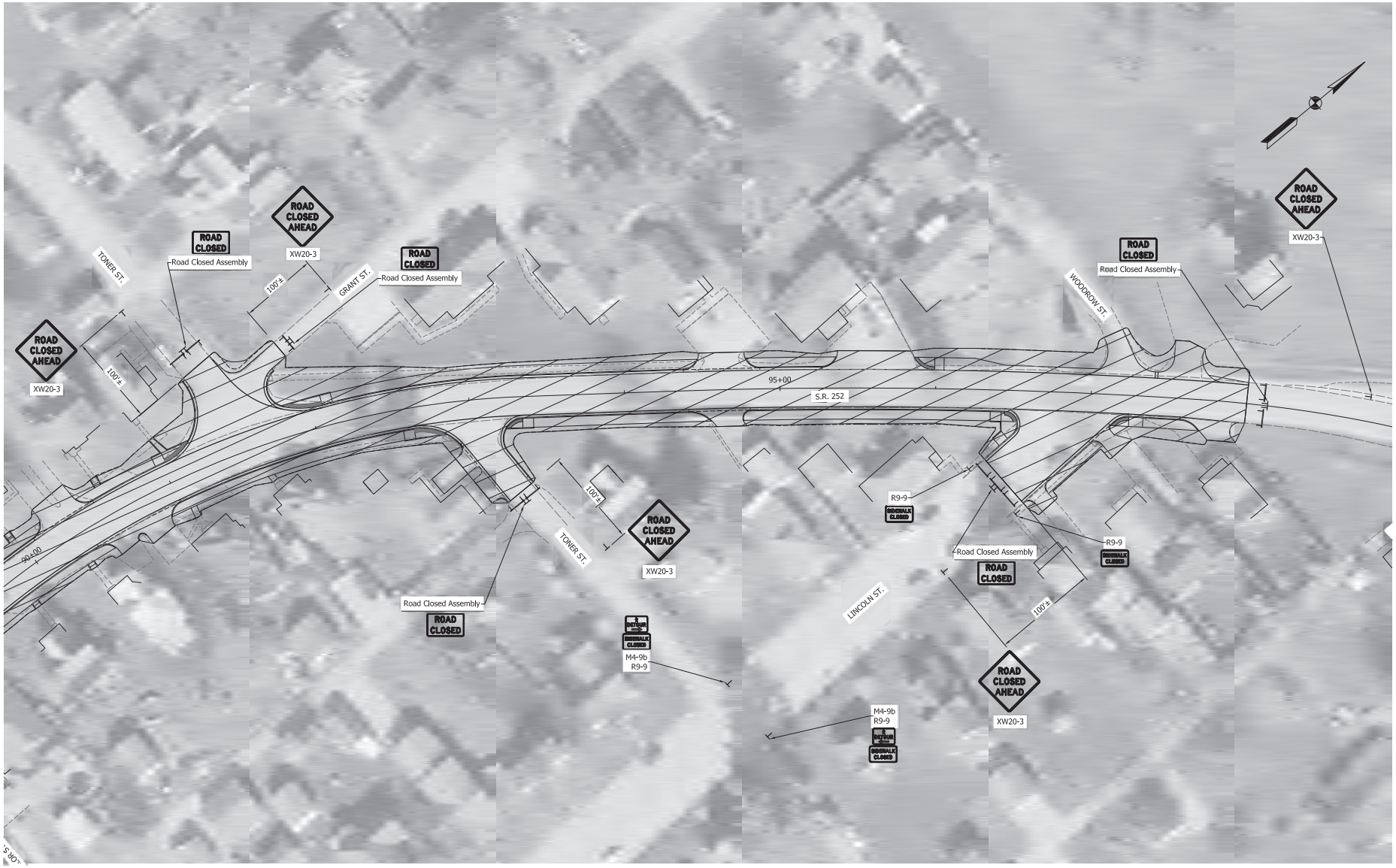
NOT FOR CONSTRUCTION

DESIGNED: JGP	DRAWN: JGP
CHECKED: GRW	CHECKED: GRW

INDIANA
DEPARTMENT OF TRANSPORTATION

TRAFFIC MAINTENANCE
PHASE 2B

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	
VERTICAL SCALE	DESIGNATION
1" = 30'	1700108
SURVEY BOOK	SHEETS
	23 of 260
CONTRACT	PROJECT
R-40411	1700108



LEGEND

Phase Construction

Construction Sign

Type III-B Barricade

NOT FOR CONSTRUCTION

DESIGNED: JGP DRAWN: JGP

CHECKED: GRW CHECKED: GRW

INDIANA
DEPARTMENT OF TRANSPORTATION

TRAFFIC MAINTENANCE
PHASE 2B

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	
VERTICAL SCALE	DESIGNATION
1" = 30'	1700108
SURVEY BOOK	SHEETS
	24 of 260
CONTRACT	PROJECT
R-40411	1700108