Appendix B

- *Proposed Alternative Exhibits*
- *Dismissed Alternative Exhibits*
- *Preliminary Cross Sections*
- *Refined Matrix*
- *Preliminary Matrix*

Preferred Alternative Exhibits

LEGEND

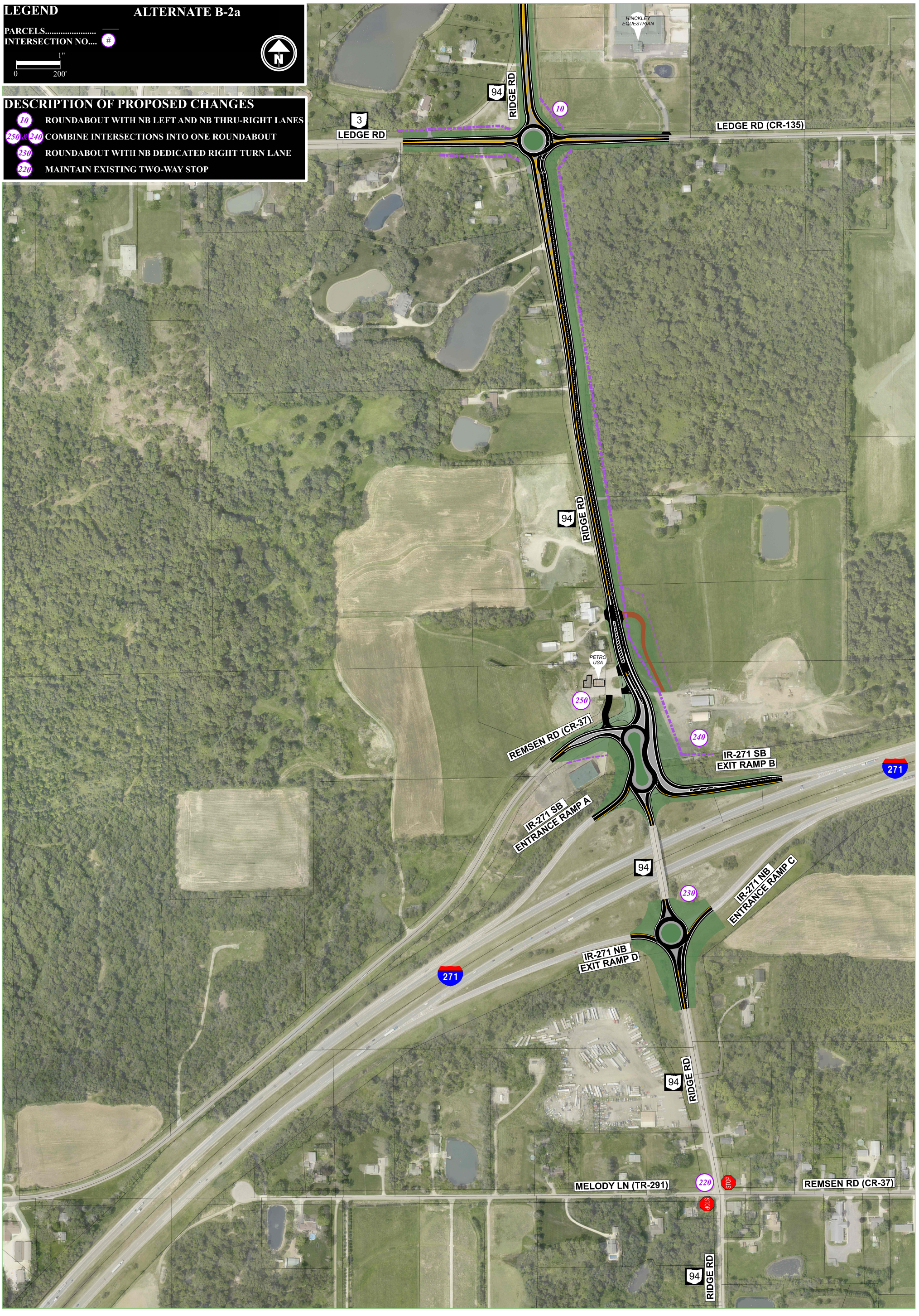
ALTERNATE B-2a

PARCELS.....
INTERSECTION NO.... #

1"
0 200'

DESCRIPTION OF PROPOSED CHANGES

- 10 ROUNDABOUT WITH NB LEFT AND NB THRU-RIGHT LANES
- 250 & 240 COMBINE INTERSECTIONS INTO ONE ROUNDABOUT
- 230 ROUNDABOUT WITH NB DEDICATED RIGHT TURN LANE
- 220 MAINTAIN EXISTING TWO-WAY STOP





DESCRIPTION OF PROPOSED CHANGES

- 30 ADDITION OF 200' SB RIGHT TURN LANE
- 40 ADDITION OF SECOND EB LEFT TURN LANE AND WB RIGHT TURN LANE
- 70 ADDITION OF 350' NB AND SB LEFT TURN LANE

LEGEND

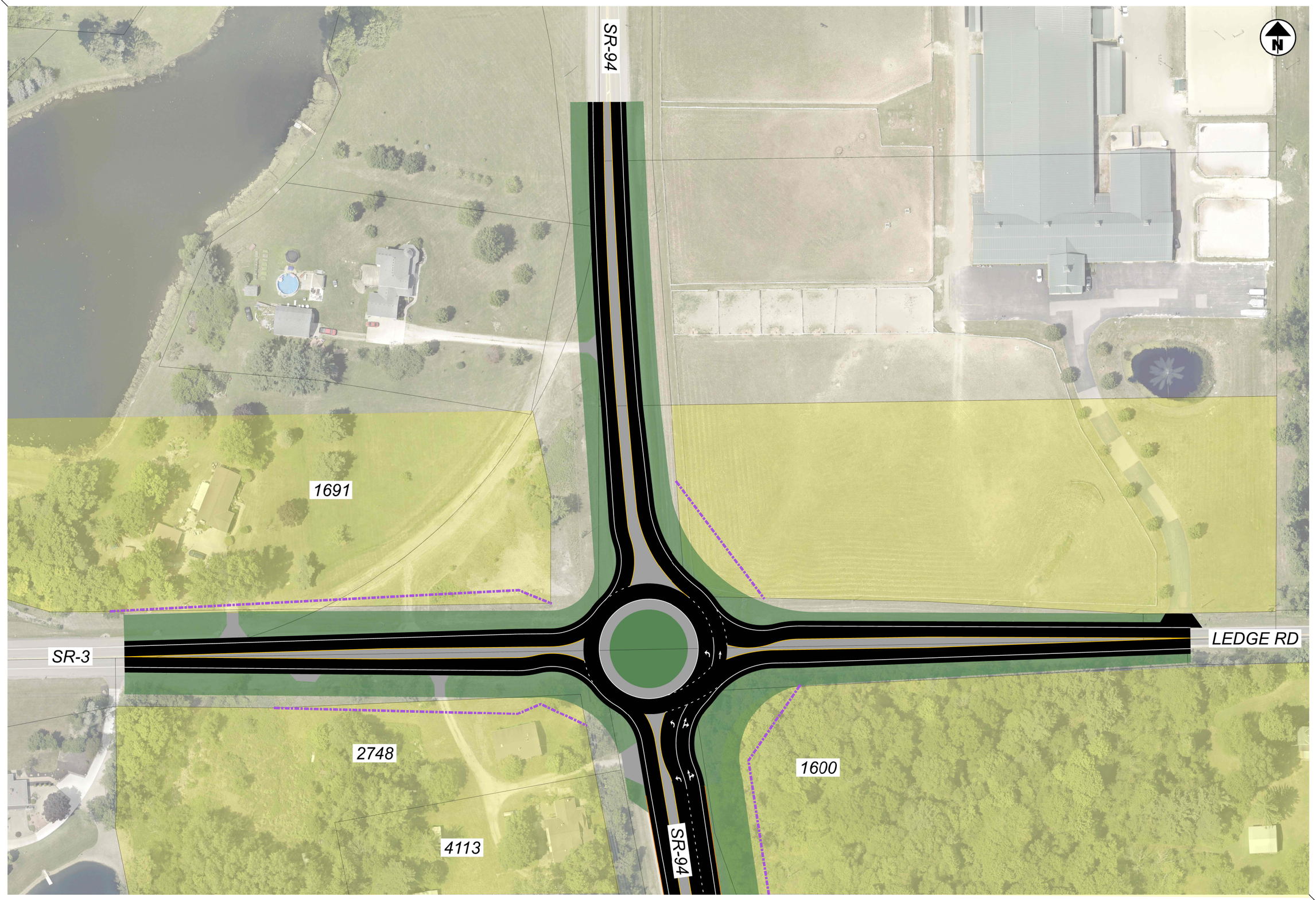
ALTERNATE A

PARCELS.....

INTERSECTION NO.... #

1"
0 200'

N



HORIZONTAL SCALE IN FEET
0 25 50 100

117028 MED-71/271 STUDY ALTERNATIVE B
STATE ROUTE 94 & STATE ROUTE 3

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MODEL: Design PAPERSIZE: 34x22 (In.) DATE: 3/3/2025 TIME: 11:38:14 AM USER: JStipe
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SHEET	TOTAL
P.0	0

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MED-71/271 STUDY ALTERNATIVE A
STATE ROUTE 3 & WEST 130TH STREET

HORIZONTAL SCALE IN FEET

0 40
20 80

MED-71/271 STUDY

MODEL: Design PAPERSIZE: 34x22 (in.) DATE: 10/24/2025 TIME: 10:17:41 AM USER: JStipe
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MED-71/271 STUDY ALTERNATIVE A-1
INTERSTATE ROUTE 71 & STATE ROUTE 3

HORIZONTAL SCALE IN FEET
0 40
20 80

MED-71/271 STUDY

MODEL: Design PAPERSIZE: 34x22 (in.) DATE: 3/3/2025 TIME: 11:37:18 AM USER: JStipe
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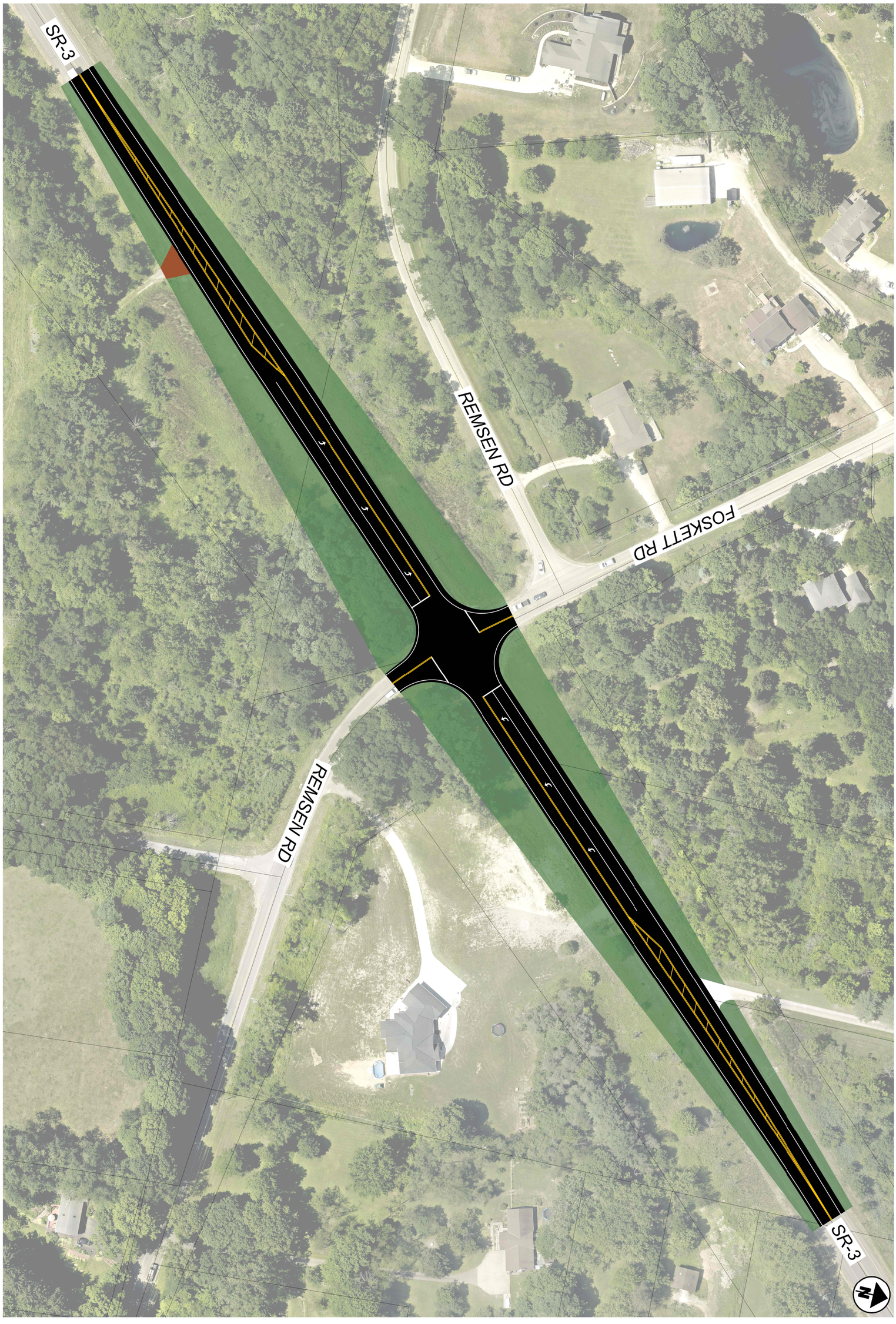

MED-71/271 STUDY ALTERNATIVE A
STATE ROUTE 3 & REMSEN ROAD & FOSKETT ROAD

HORIZONTAL SCALE IN FEET
0 25 50 100

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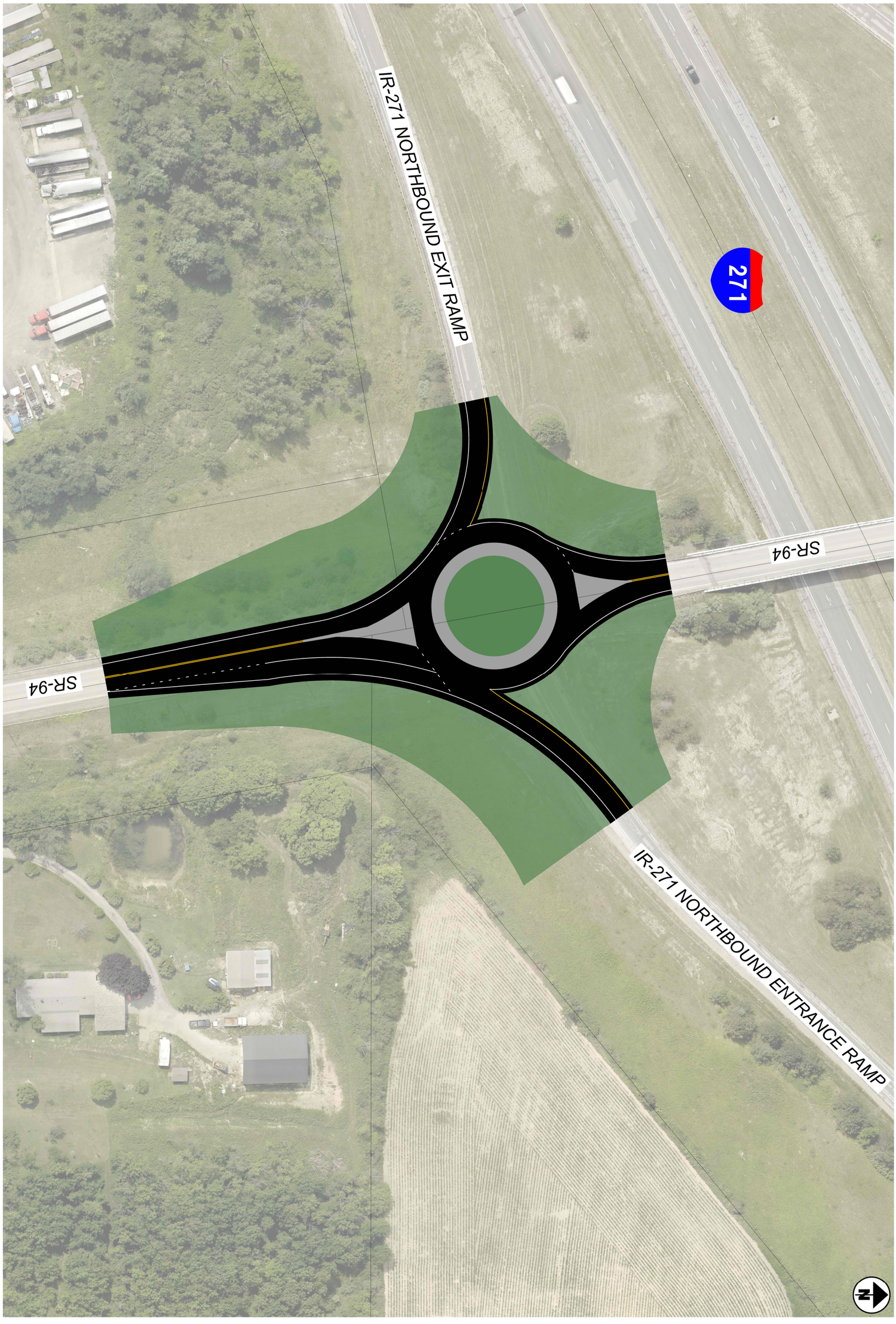

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HORIZONTAL SCALE IN FEET
0 40
20 80

MED-71/271 STUDY

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117028 MED-71/271 STUDY ALTERNATIVE B-2A
INTERSTATE ROUTE 271 SOUTHBOUND & SR 94 AND SR 94 & REMSEN RD

HORIZONTAL SCALE IN FEET
0 100
50 200

MED-71/271 STUDY

MODEL: Design PAPERSIZE: 34x22 (in.) DATE: 3/3/2025 TIME: 11:46:21 AM USER: JStipe
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P.0

TOTAL
0

117028 MED-71/271 STUDY MEDIUM TERM ALTERNATIVE
STATE ROUTE 94 & REMSEN ROAD

HORIZONTAL SCALE IN FEET
0 100
50 200

Dismissed Alternative Exhibits

MODEL: Design PAPERSIZE: 34x22 (In.) DATE: 4/7/2025 TIME: 12:47:06 PM USER: JStipe
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STATE ROUTE 94 & STATE ROUTE 3

HORIZONTAL SCALE IN FEET
0 40
20 80

MODEL: Design PAPERSIZE: 34x22 (In.) DATE: 3/3/2025 TIME: 11:48:48 AM USER: JStipe
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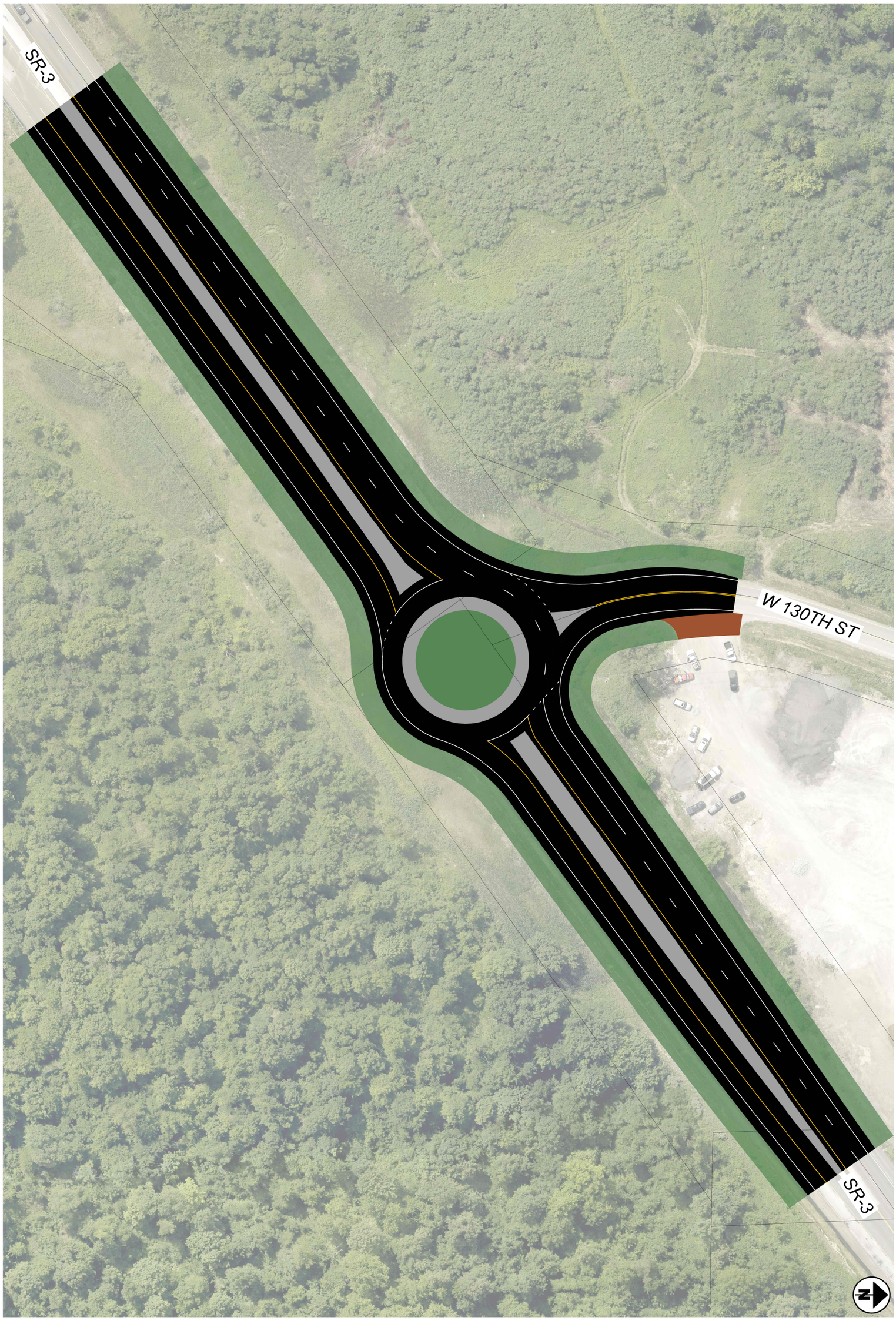

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PROJECT ID 117028

SHEET P.0 | TOTAL 0

MED-71/271 STUDY ALTERNATIVE B
STATE ROUTE 3 & WEST 130TH STREET

HORIZONTAL SCALE IN FEET
0 40
20 80



HORIZONTAL SCALE IN FEET
0 20 40 80

MED-71/271 STUDY ALTERNATIVE A
INTERSTATE ROUTE 71 & STATE ROUTE 3

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MODEL: Design PAPERSIZE: 34x22 (In.) DATE: 3/3/2025 TIME: 12:02:19 PM USER: JStipe
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SHEET P.0 | TOTAL 0	PROJECT ID 117028	DESIGNER CAC	DESIGN AGENCY ADR	117028 MED-71/271 STUDY ALTERNATIVE A INTERSTATE ROUTE 271 SOUTHBOUND & SR 94 AND SR 94 & REMSEN RD
	XXX MM-DD-YY	REVIEWER	88 West Church Street Newark, OH 43055 (740) 345-1821 (ph) www.adrinnovation.com	HORIZONTAL SCALE IN FEET 0 100 50 200

MED-71/271 STUDY

MODEL: Design PAPERSIZE: 34x22 (In.) DATE: 3/3/2025 TIME: 12:04:32 PM USER: JStipe
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SHEET P.0 | TOTAL 0	PROJECT ID 117028	DESIGNER CAC	DESIGN AGENCY ADR	117028 MED-71/271 STUDY ALTERNATIVE B-1 INTERSTATE ROUTE 271 SOUTHBOUND & SR 94 AND SR 94 & REMSEN RD
	XXX MM-DD-YY	REVIEWER	88 West Church Street Newark, OH 43055 (740) 345-1821 (ph) www.adrinnovation.com	HORIZONTAL SCALE IN FEET 0 100 50 200

MED-71/271 STUDY

MODEL: Design PAPERSIZE: 34x22 (In.) DATE: 3/3/2025 TIME: 12:05:59 PM USER: JStipe
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SHEET P.0 | 0 TOTAL	PROJECT ID 117028	DESIGNER CAC	DESIGN AGENCY ADR Architecture, LLC	117028 MED-71/271 STUDY ALTERNATIVE B-2 INTERSTATE ROUTE 271 SOUTHBOUND & SR 94 AND SR 94 & REMSEN RD
	XXX MM-DD-YY	REVIEWER	88 West Church Street Newark, OH 43055 (740) 345-1821 (ph) www.adrinnovation.com	HORIZONTAL SCALE IN FEET 0 100 50 200



HORIZONTAL SCALE IN FEET
0 50 100 200

117028 MED-71/271 STUDY ALTERNATIVE C
INTERSTATE ROUTE 271 SOUTHBOUND & SR 94 AND SR 94 & REMSEN RD

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MED-71/271 STUDY

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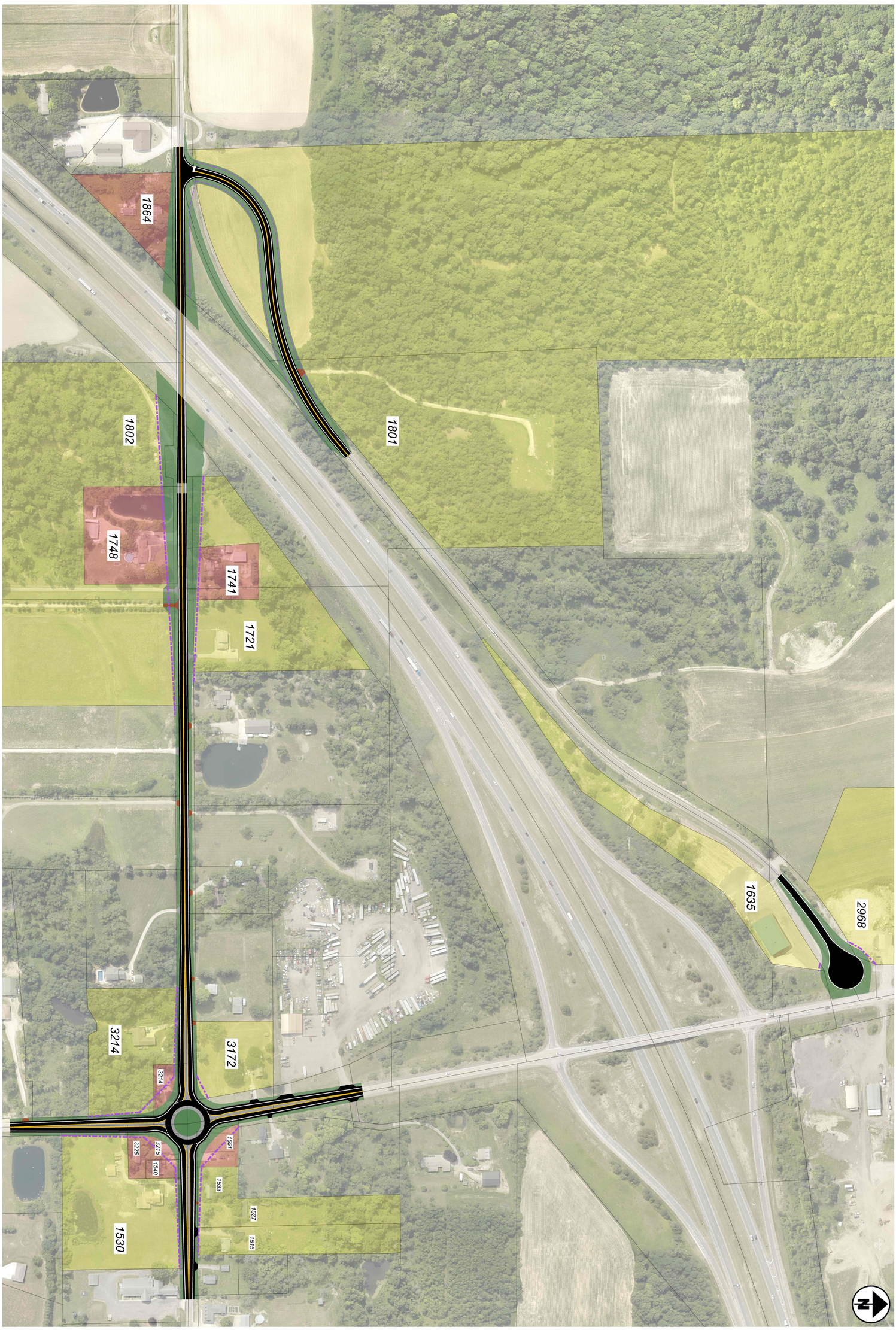

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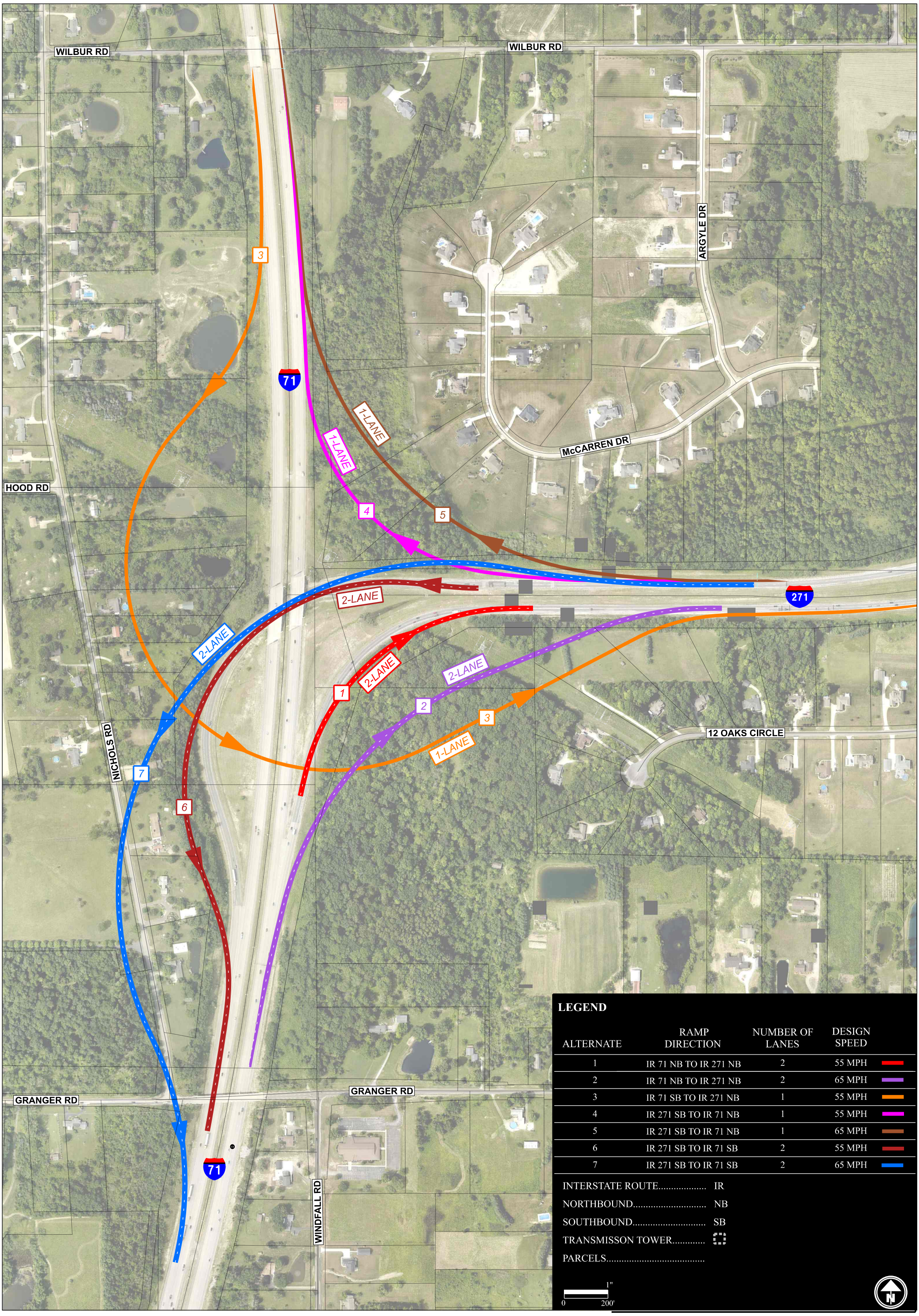
MED 71/271 STUDY ALTERNATIVE C
REMSEN ROAD OVER INTERSTATE 271

HORIZONTAL SCALE IN FEET
0 75 150 300


WILBUR RD
WILBUR RD
ARGYLE DR
McCARREN DR
HOOD RD
NICHOLS RD
12 OAKS CIRCLE
GRANGER RD
GRANGER RD
WINDFALL RD
71
71
271
3
1-LANE
1-LANE
4
5
2-LANE
2-LANE
2-LANE
2-LANE
1
2
3
1-LANE
7
6
LEGEND
ALTERNATE
RAMP DIRECTION
NUMBER OF LANES
DESIGN SPEED
1 IR 71 NB TO IR 271 NB 2 55 MPH
2 IR 71 NB TO IR 271 NB 2 65 MPH
3 IR 71 SB TO IR 271 NB 1 55 MPH
4 IR 271 SB TO IR 71 NB 1 55 MPH
5 IR 271 SB TO IR 71 NB 1 65 MPH
6 IR 271 SB TO IR 71 SB 2 55 MPH
7 IR 271 SB TO IR 71 SB 2 65 MPH
INTERSTATE ROUTE..... IR
NORTHBOUND..... NB
SOUTHBOUND..... SB
TRANSMISSON TOWER.....
PARCELS.....
1"
0
200'
N

MED-71/271 STUDY

MODEL: Design PAPERSIZE: 11x17(in.) DATE: 3/3/2025 TIME: 11:09:13 AM USER: JStipe
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HORIZONTAL SCALE IN FEET
0 100 200 400

MED 71/271 STUDY ALTERNATIVE 1
INTERSTATE ROUTE 71 NORTH to INTERSTATE ROUTE 271 NORTH

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DESIGNER CAC/BMP
REVIEWER XXX MM-DD-YY
PROJECT ID 117028
SHEET P.0 TOTAL 0

MAINLINE DESIGN SPEED - 75 MPH
RAMP DESIGN SPEED - 65 MPH

POTENTIAL NOISEWALL

ESTIMATED R/W LIMIT

HORIZONTAL SCALE IN FEET
0 100 200 400

McCARREN DR

HOOD RD

71

271

2529

2551

2575

2583

12 OAKS CIR

NICHOLS RD

GRANGER RD

MED 71/271 STUDY ALTERNATIVE 2
INTERSTATE ROUTE 71 NORTH to INTERSTATE ROUTE 271 NORTH

MED-71/271 STUDY

MODEL: Design PAPERSIZE: 17x11 (in.) DATE: 3/3/2025 TIME: 11:0:57 AM USER: JStipe
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DESIGNER CAC/BMP

REVIEWER XXX MM-DD-YY

PROJECT ID 117028

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MAINLINE DESIGN SPEED - 75 MPH
RAMP DESIGN SPEED - 55 MPH

POTENTIAL NOISEWALL

ESTIMATED R/W LIMIT

HORIZONTAL SCALE IN FEET
0 100 200 400

WILBUR RD

ARGYLE DR

McCARREN DR

HOOD RD

NICHOLS RD

12 OAKS CIR

CURVE DESIGN DATA
RADIUS - 955 FT
Dc - 6°00'

71

271

2780

4011

4100

4115

4145

4161

4171

4185

4201

4233

2529

2507

2485

2463

2551

2575

2583

MED 71/271 STUDY ALTERNATIVE 3
INTERSTATE ROUTE 71 SOUTH to INTERSTATE ROUTE 271 NORTH

MED-71/271 STUDY

MODEL: Design PAPERSIZE: 17x11(in.) DATE: 3/3/2025 TIME: 11:25:25 AM USER: JStipe
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DESIGNER CAC/BMP
REVIEWER XXX MM-DD-YY
PROJECT ID 117028
SHEET P.0 TOTAL 0

MAINLINE DESIGN SPEED - 75 MPH
RAMP DESIGN SPEED - 55 MPH

POTENTIAL NOISEWALL

ESTIMATED R/W LIMIT

HORIZONTAL SCALE IN FEET
0 100 200 400

WILBUR RD

ARGYLE DR

2696

2682

2664

2646

McCARREN DR

71

HOOD RD

NICHOLS RD

CURVE DESIGN DATA
RADIUS - 955 FT
Dc - 6°00'

271

12 OAKS CIR

MED-71/271 STUDY

MED 71/271 STUDY ALTERNATIVE 4
INTERSTATE ROUTE 271 SOUTH to INTERSTATE ROUTE 71 NORTH

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REVIEWER XXX MM-DD-YY

PROJECT ID 117028

SHEET P.0 TOTAL 0

MODEL: Design PAPERSIZE: 17x11(in.) DATE: 3/3/2025 TIME: 11:3:47 AM USER: JStipe
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MAINLINE DESIGN SPEED - 75 MPH
RAMP DESIGN SPEED - 65 MPH

POTENTIAL NOISEWALL

ESTIMATED R/W LIMIT

HORIZONTAL SCALE IN FEET
0 100 200 400

WILBUR RD
ARGYLE DR
McCARREN DR
HOOD RD
NICHOLS RD
12 OAKS CIR
71
271
2700
2696
2682
2664
2646
2628
2610
2592
2574

MED-71/271 STUDY

MODEL: Design PAPERSIZE: 17x11 (in.) DATE: 3/3/2025 TIME: 11:45:51 AM USER: JSTipe
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MED 71/271 STUDY ALTERNATIVE 5
INTERSTATE ROUTE 271 SOUTH to INTERSTATE ROUTE 71 NORTH

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REVIEWER XXX MM-DD-YY
PROJECT ID 117028
SHEET P.0 TOTAL 0

MAINLINE DESIGN SPEED - 75 MPH
RAMP DESIGN SPEED - 55 MPH

POTENTIAL NOISEWALL

ESTIMATED R/W LIMIT

HORIZONTAL SCALE IN FEET
0 100 200 400

HOOD RD
NICHOLS RD
McCARREN DR
12 OAKS CIR
GRANGER RD
71
271
4100
4115
4201
4233
4267
4297
4321
2664
2646

MED-71/271 STUDY

MED 71/271 STUDY ALTERNATIVE 6
INTERSTATE ROUTE 271 SOUTH to INTERSTATE ROUTE 71 SOUTH

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REVIEWER XXX MM-DD-YY
PROJECT ID 117028
SHEET P.0 TOTAL 0

MODEL: Design PAPERSIZE: 17x11(in.) DATE: 3/3/2025 TIME: 11:55:54 AM USER: JSTipe
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MAINLINE DESIGN SPEED - 75 MPH
RAMP DESIGN SPEED - 65 MPH

POTENTIAL NOISEWALL

ESTIMATED R/W LIMIT

HORIZONTAL SCALE IN FEET
0 100 200 400

HOOD RD
NICHOLS RD
McCARREN DR
12 OAKS CIR
GRANGER RD
71
271
2664
2646
2628
2610
2592
2574
4171
4185
4201
4192
4214
4233
4267
4316
4297
4321
2840
2800

MED 71/271 STUDY ALTERNATIVE 7
INTERSTATE ROUTE 271 SOUTH to INTERSTATE ROUTE 71 SOUTH

MED-71/271 STUDY

MODEL: Design PAPERSIZE: 17x11 (in.) DATE: 3/3/2025 TIME: 11:16:57 AM USER: JStipe
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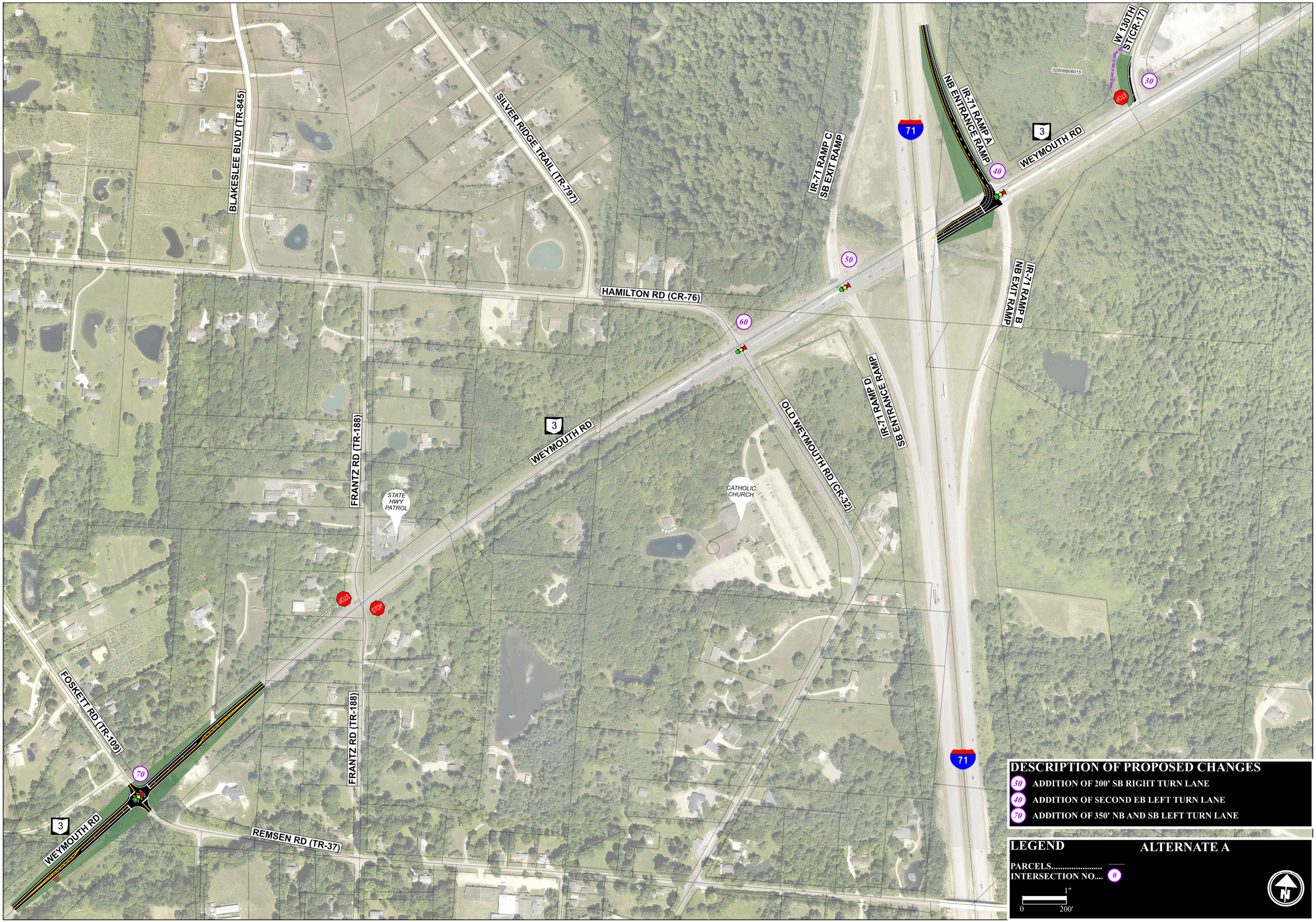
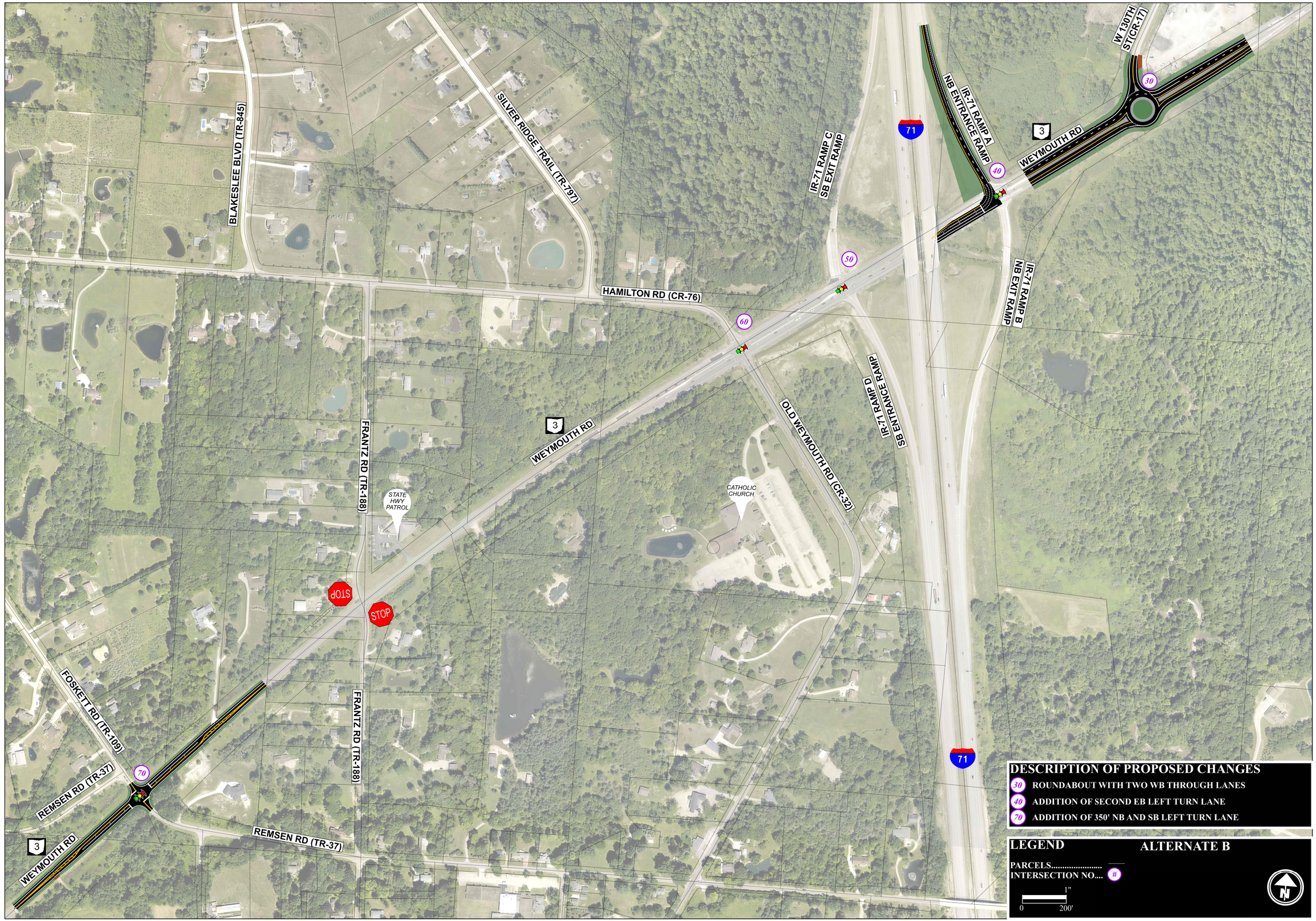
DESIGNER CAC/BMP
REVIEWER XXX MM-DD-YY
PROJECT ID 117028
SHEET P.0 TOTAL 0


LEGEND
NO BUILD OPTION
PARCELS.....
INTERSECTION NO.... #
1"
0
200'
N
HINCKLEY EQUESTRIAN
94
RIDGE RD
3
LEDGE RD
10
LEDGE RD (CR-135)
PETRO USA
250
STOP
240
IR-271 SB EXIT RAMP B
271
REMSEN RD (CR-37)
IR-271 SB ENTRANCE RAMP A
94
RIDGE RD
IR-271 NB ENTRANCE RAMP C
230
STOP
STOP
271
IR-271 NB EXIT RAMP D
94
RIDGE RD
MELODY LN (TR-291)
220
STOP
REMSEN RD (CR-37)
STOP
94
RIDGE RD


BLAKESLEE BLVD (TR-845)
SILVER RIDGE TRAIL (TR-797)
HAMILTON RD (CR-76)
IR-71 RAMP C
SB EXIT RAMP
71
IR-71 RAMP A
NB ENTRANCE RAMP
3
WEYMOUTH RD
W 130TH ST(CR-17)
02606B06015
STOP
30
40
50
IR-71 RAMP B
NB EXIT RAMP
60
IR-71 RAMP D
SB ENTRANCE RAMP
OLD WEYMOUTH RD (CR-32)
CATHOLIC CHURCH
STATE HWY PATROL
FRANTZ RD (TR-188)
STOP
FOSKETT RD (TR-109)
70
REMSEN RD (TR-37)
DESCRIPTION OF PROPOSED CHANGES
30 ADDITION OF 200' SB RIGHT TURN LANE
40 ADDITION OF SECOND EB LEFT TURN LANE
70 ADDITION OF 350' NB AND SB LEFT TURN LANE
LEGEND
ALTERNATE A
PARCELS.....
INTERSECTION NO.... #
1"
0
200'
N



DESCRIPTION OF PROPOSED CHANGES

- 30 ROUNDABOUT WITH TWO WB THROUGH LANES
- 40 ADDITION OF SECOND EB LEFT TURN LANE
- 70 ADDITION OF 350' NB AND SB LEFT TURN LANE

LEGEND

ALTERNATE B

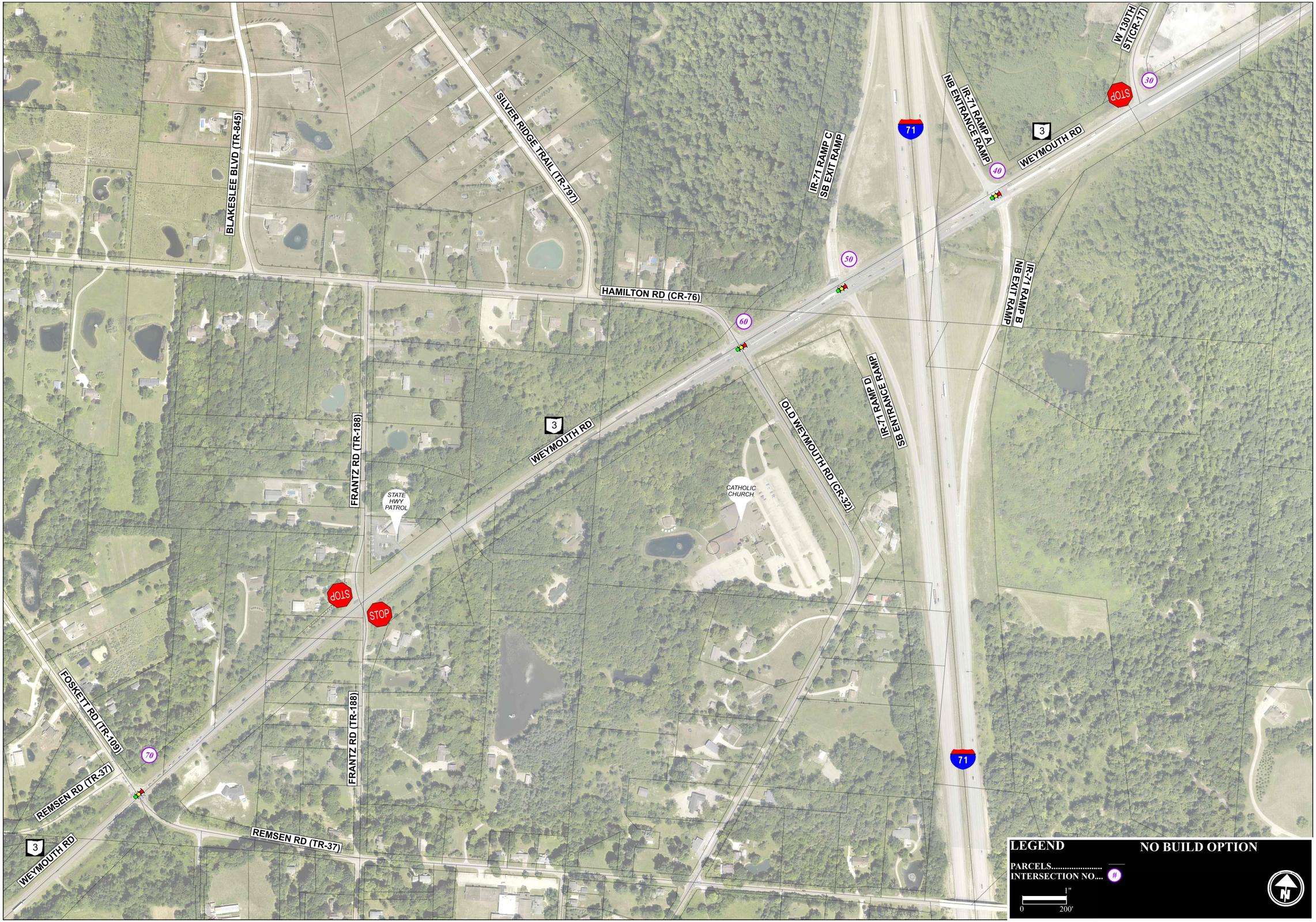
PARCELS.....

INTERSECTION NO.... #

1"

0 200'

N


BLAKESLEE BLVD (TR-845)
SILVER RIDGE TRAIL (TR-797)
HAMILTON RD (CR-76)
IR-71 RAMP C SB EXIT RAMP
IR-71 RAMP A NB ENTRANCE RAMP
IR-71 RAMP B NB EXIT RAMP
IR-71 RAMP D SB ENTRANCE RAMP
W 130TH ST(CR-17)
WEYMOUTH RD
OLD WEYMOUTH RD (CR-32)
FRANTZ RD (TR-188)
STATE HWY PATROL
CATHOLIC CHURCH
STOP
FOSKETT RD (TR-109)
REMSEN RD (TR-37)
71
3
30
40
50
60
70
LEGEND
NO BUILD OPTION
PARCELS.....
INTERSECTION NO.... #
1"
0
200'
N

LEGEND **ALTERNATIVE A**

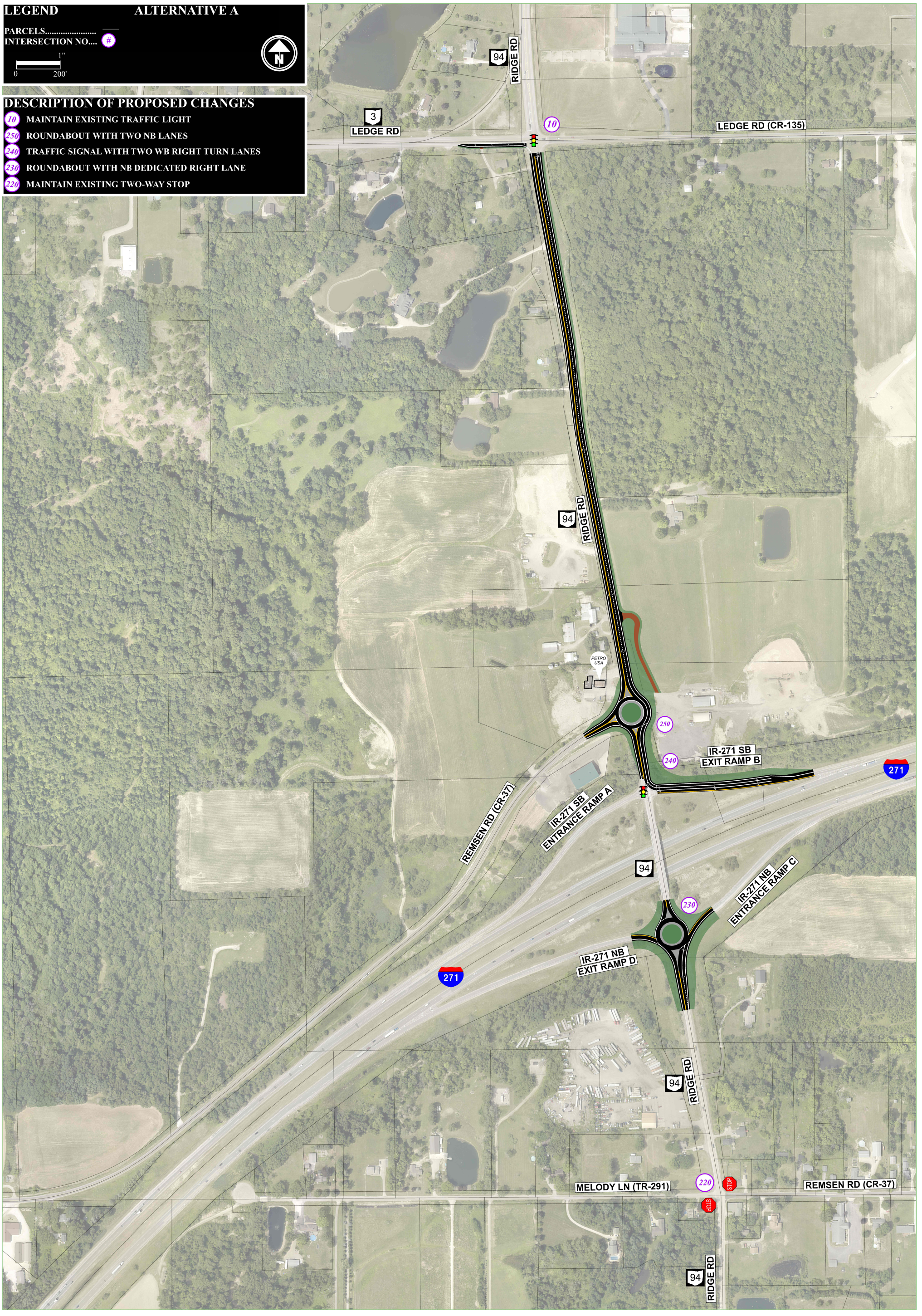
PARCELS.....
INTERSECTION NO.... (#)

1"
0 200'

N

DESCRIPTION OF PROPOSED CHANGES

- (10) MAINTAIN EXISTING TRAFFIC LIGHT
- (250) ROUNDABOUT WITH TWO NB LANES
- (240) TRAFFIC SIGNAL WITH TWO WB RIGHT TURN LANES
- (230) ROUNDABOUT WITH NB DEDICATED RIGHT LANE
- (220) MAINTAIN EXISTING TWO-WAY STOP



LEGEND **ALTERNATE B-1**

PARCELS.....
INTERSECTION NO.... (#)

1"
0 200'

DESCRIPTION OF PROPOSED CHANGES

- (10) ROUNDABOUT WITH NB LEFT AND NB THRU-RIGHT LANES
- (250) ROUNDABOUT WITH TWO NB LANES
- (240) ROUNDABOUT WITH TWO WB LANES
- (230) ROUNDABOUT WITH NB DEDICATED RIGHT LANE
- (220) MAINTAIN EXISTING TWO-WAY STOP



LEGEND

ALTERNATE B-2

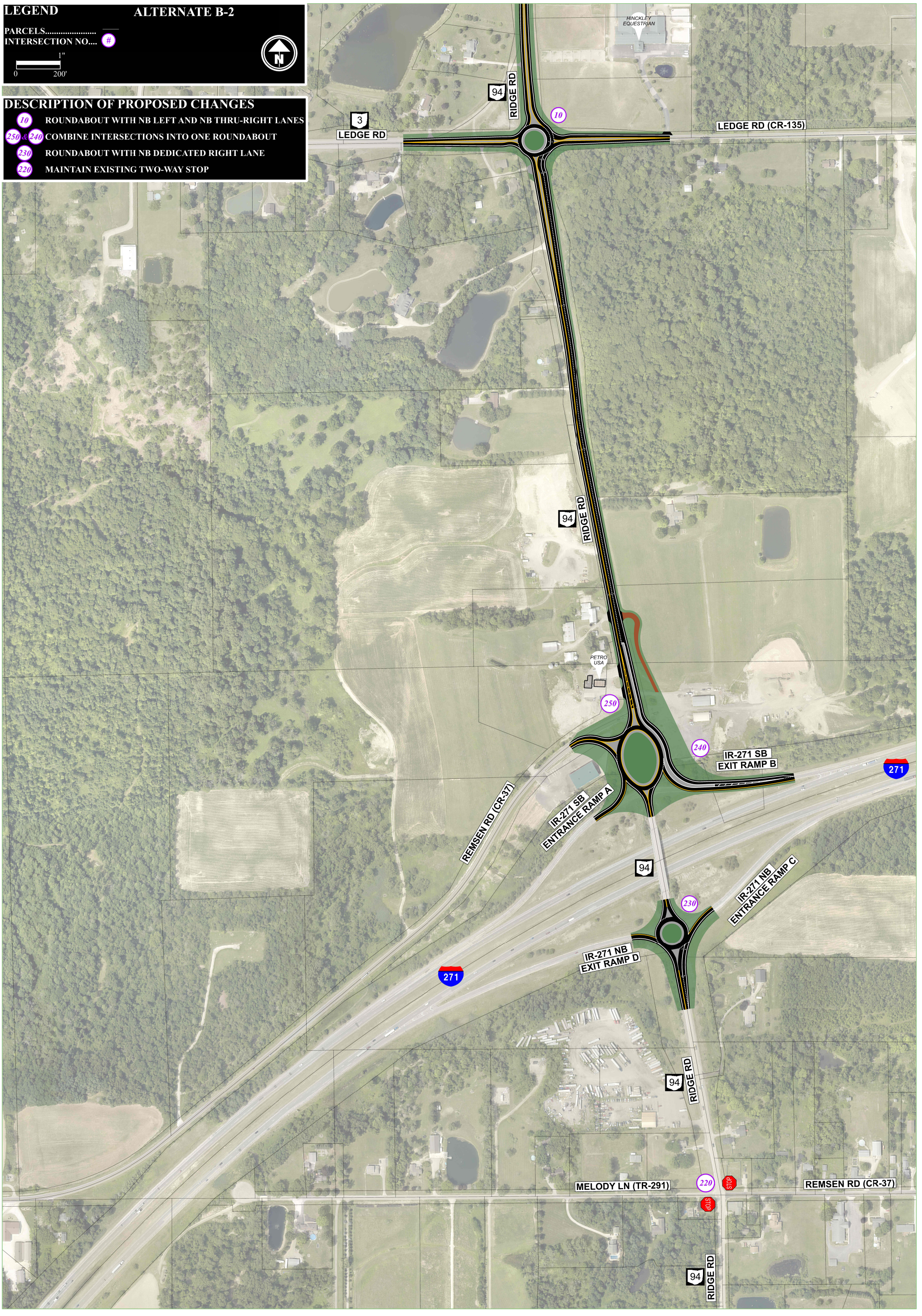
PARCELS.....
INTERSECTION NO.... (#)

1"
0 200'

N

DESCRIPTION OF PROPOSED CHANGES

- (10) ROUNDABOUT WITH NB LEFT AND NB THRU-RIGHT LANES
- (250) & (240) COMBINE INTERSECTIONS INTO ONE ROUNDABOUT
- (230) ROUNDABOUT WITH NB DEDICATED RIGHT LANE
- (220) MAINTAIN EXISTING TWO-WAY STOP



ALTERNATIVE C

LEGEND

PARCELS.....

INTERSECTION NO.... (#)

1"
0 200'

N

DESCRIPTION OF PROPOSED CHANGES

10 ROUNDABOUT WITH NB LEFT AND NB THRU-RIGHT LANES

250 CUL-DE-SAC

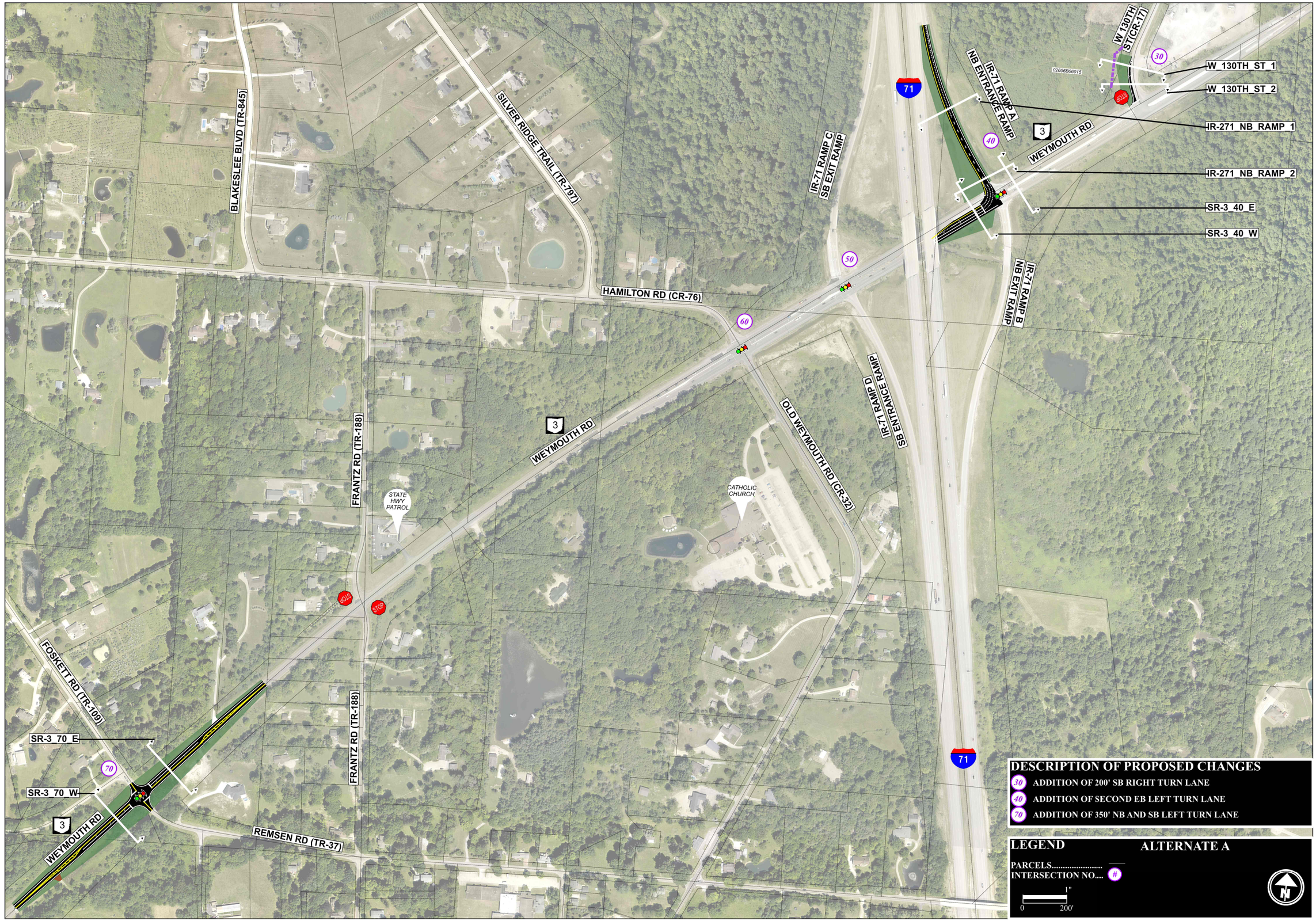
240 ROUNDABOUT WITH TWO WESTBOUND LANES

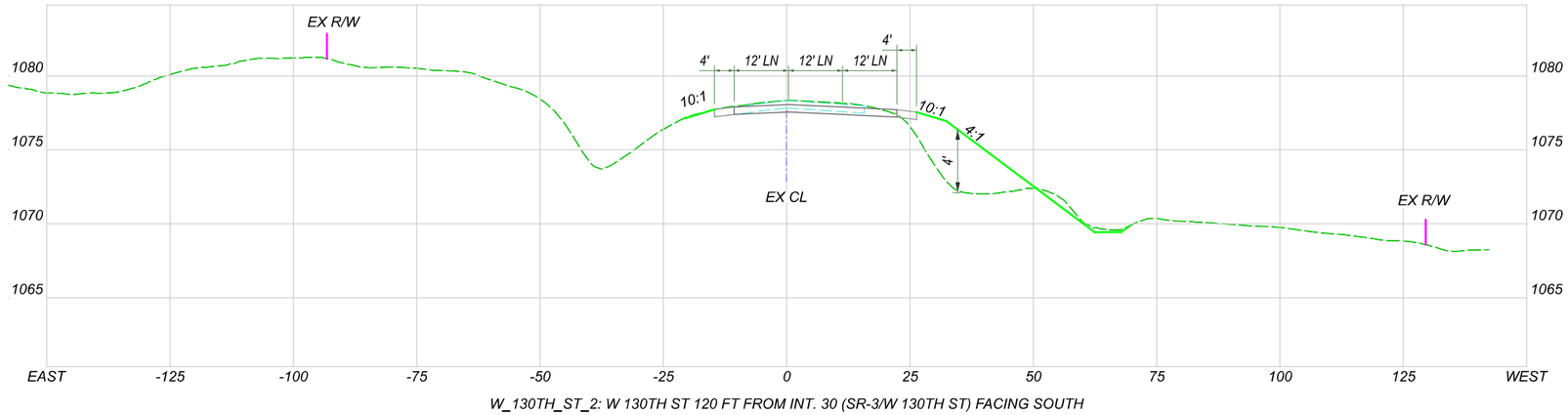
230 ROUNDABOUT WITH NB DEDICATED RIGHT LANE

220 ROUNDABOUT AND NEW BRIDGE OVER I-271

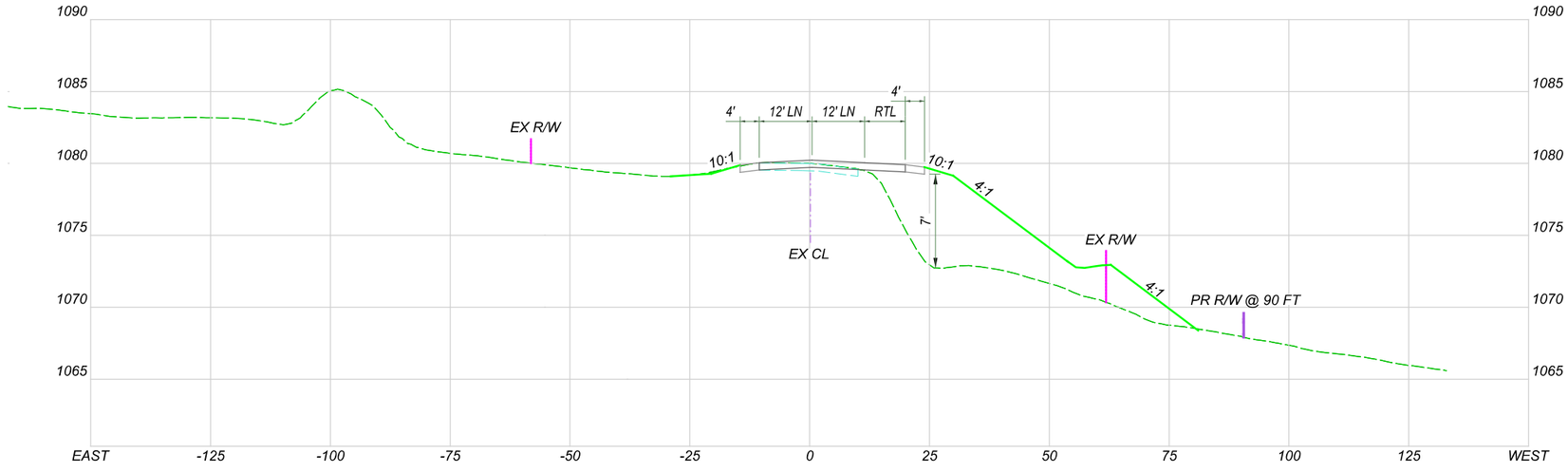


Preliminary Cross Sections


BLAKESLEE BLVD (TR-845)
SILVER RIDGE TRAIL (TR-797)
HAMILTON RD (CR-76)
WEYMOUTH RD
FRANTZ RD (TR-188)
OLD WEYMOUTH RD (CR-32)
IR-71 RAMP C SB EXIT RAMP
IR-71 RAMP D SB ENTRANCE RAMP
IR-71 RAMP A NB ENTRANCE RAMP
IR-71 RAMP B NB EXIT RAMP
W 130TH ST(CR-17)
FOSKETT RD (TR-109)
REMSEN RD (TR-37)
STATE HWY PATROL
CATHOLIC CHURCH
71
3
30
40
50
60
70
STOP
W_130TH_ST_1
W_130TH_ST_2
IR-271_NB_RAMP_1
IR-271_NB_RAMP_2
SR-3_40_E
SR-3_40_W
SR-3_70_E
SR-3_70_W
DESCRIPTION OF PROPOSED CHANGES
30 ADDITION OF 200' SB RIGHT TURN LANE
40 ADDITION OF SECOND EB LEFT TURN LANE
70 ADDITION OF 350' NB AND SB LEFT TURN LANE
LEGEND
ALTERNATE A
PARCELS.....
INTERSECTION NO.... #
1"
0 200'
N



W_130TH_ST_2: W 130TH ST 120 FT FROM INT. 30 (SR-3/W 130TH ST) FACING SOUTH



W_130TH_ST_1: W 130TH ST 180 FT FROM INT. 30 (SR-3/W 130TH ST) FACING SOUTH

PRELIMINARY
NOT FOR CONSTRUCTION
NOV. 4, 2024

MED-W_130TH_ST

CROSS SECTIONS
W 130TH ST AT INT 30 (SR-3/W 130TH ST)

DESIGN AGENCY
ADR
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An Employee Owned Company
88 West Church Street
Newark, OH 43055
(740) 345-1921 (ph)
www.adrinnovation.com

DESIGNER
JRS

REVIEWER
XXX MM-DD-YY

PROJECT ID
117028

SHEET P.0 | TOTAL 0



DESIGN AGENCY	DESIGNER	REVIEWER	PROJECT ID	SHEET	TOTAL
ADR	CAC	XXX MM-DD-YY	117028	P.0	0

ADR Architecture, Inc.
An Employee Owned Company
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Newark, Ohio 43055
(740) 345-1821 (ph)
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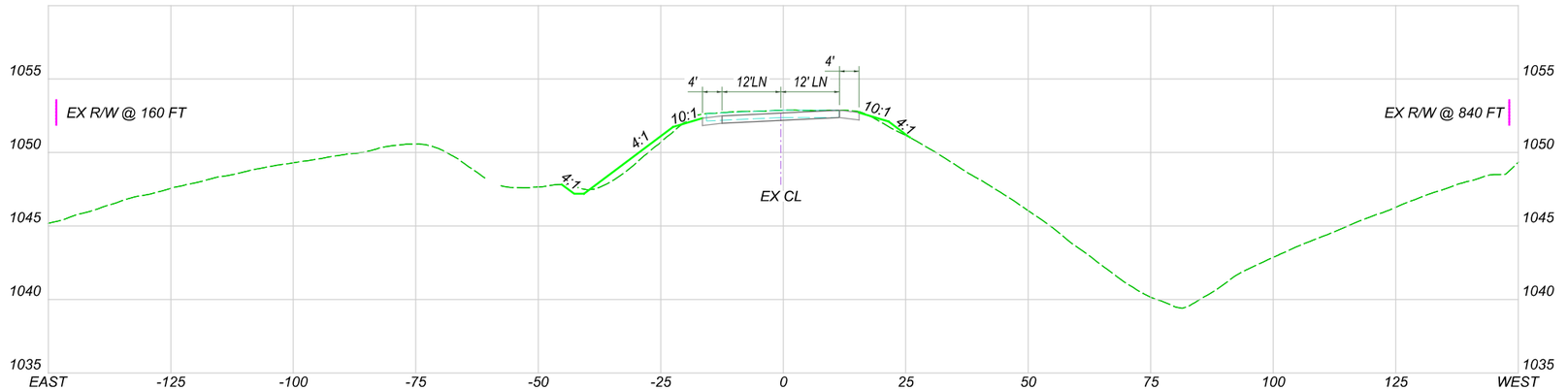
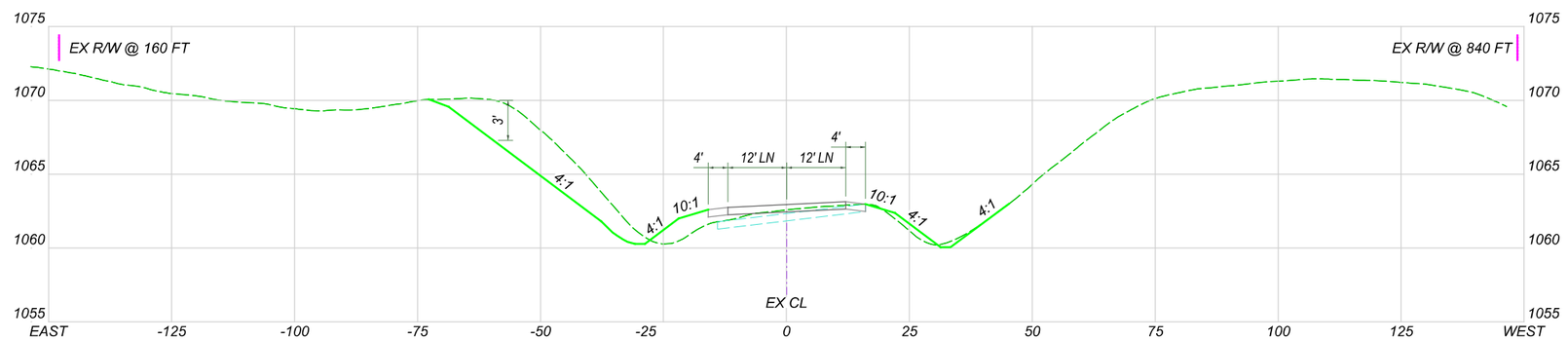
MED-71/271 STUDY
STATE ROUTE 3 & WEST 130TH STREET

HORIZONTAL SCALE IN FEET
0 40
20 80



IR-271_NB_RAMP_2: IR-71 NB ENTRANCE RAMP 100 FT FROM INT. 40 (IR-71 NB ENTRANCE RAMP/SR-3) FACING SOUTH



IR-271_NB_RAMP_1: IR-71 NB ENTRANCE RAMP 450 FT FROM INT. 40 (IR-71 NB ENTRANCE RAMP/SR-3) FACING SOUTH

PRELIMINARY
NOT FOR CONSTRUCTION
NOV. 4, 2024

MED-71NB_RAMP

CROSS SECTIONS
I-71 NB ENTRANCE RAMP

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REVIEWER
XXX MM-DD-YY

PROJECT ID
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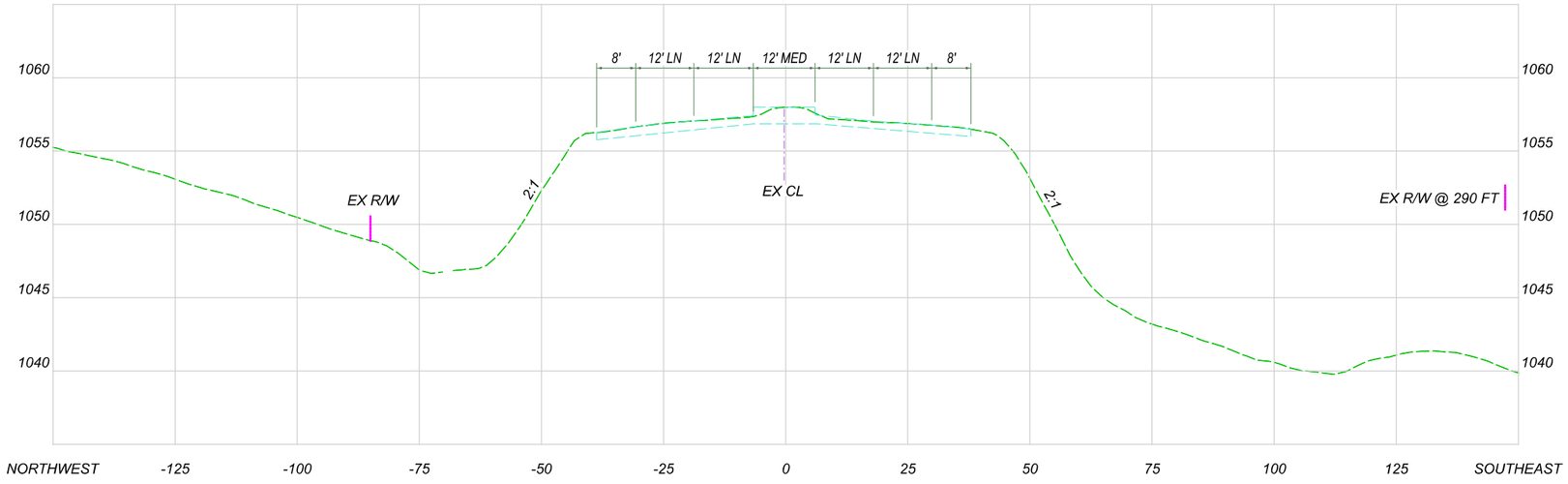
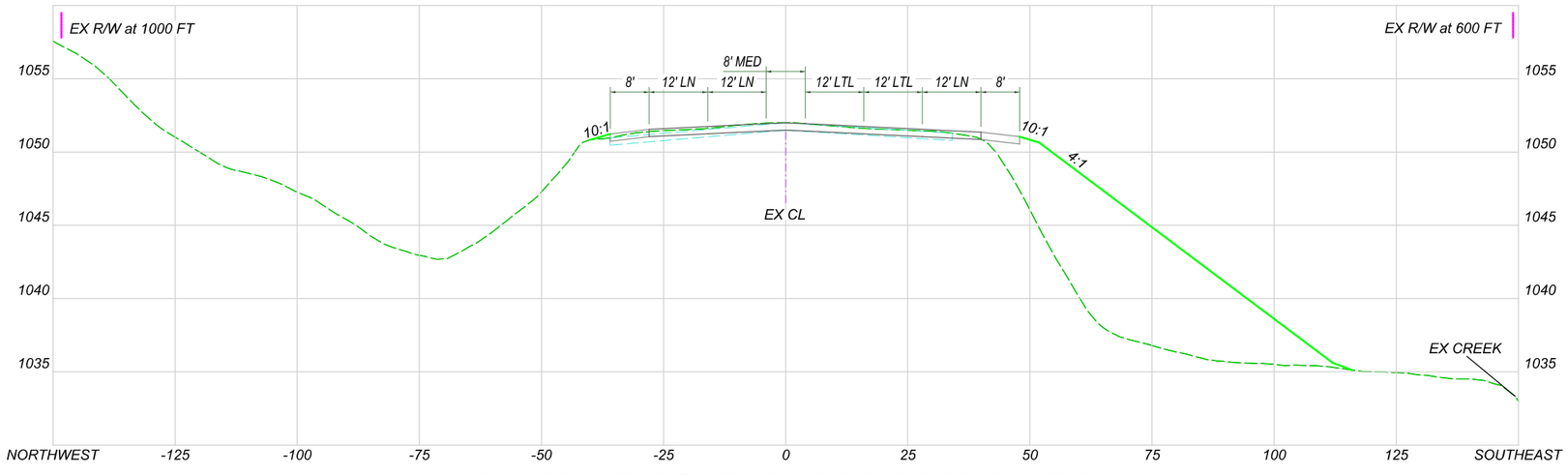
SHEET
P.0

TOTAL
0



SR-3_40_E: SR-3 EAST OF INT. 40 (IR-71 NB ENTRANCE RAMP/SR-3) FACING NORTHEAST



SR-3_40_W: SR-3 WEST OF INT. 40 (IR-71 NB ENTRANCE RAMP/SR-3) FACING NORTHEAST

PRELIMINARY
NOT FOR CONSTRUCTION
NOV. 4, 2024

MED-3

CROSS SECTIONS
SR-3 AT INT. 40 (SR-3/I-71 NB ENTRANCE RAMP)

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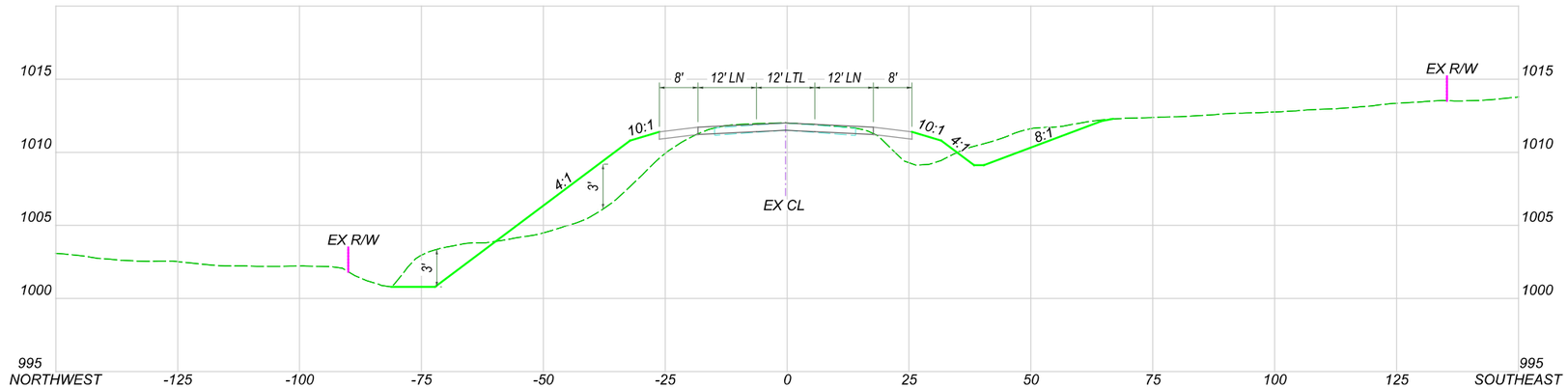
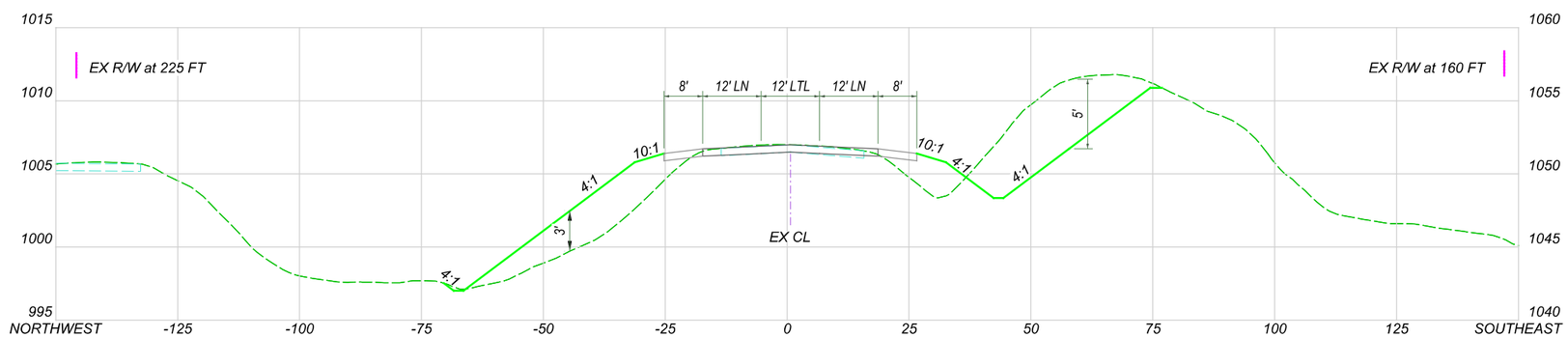
MED-71/271 STUDY
INTERSTATE ROUTE 71 & STATE ROUTE 3

HORIZONTAL SCALE IN FEET
0 40
20 80



SR-3_70_E: SR-3 EAST OF INT. 70 (SR-3/REMSEN RD/FOSKETT RD) FACING NORTHEAST



SR-3_70_W: SR-3 WEST OF INT. 70 (SR-3/REMSEN RD/FOSKETT RD) FACING NORTHEAST

PRELIMINARY
NOT FOR CONSTRUCTION
NOV. 4, 2024

MED-3

CROSS SECTIONS
SR-3 AT INT 70 (SR-3/REMSEN RD/FOSKET RD)

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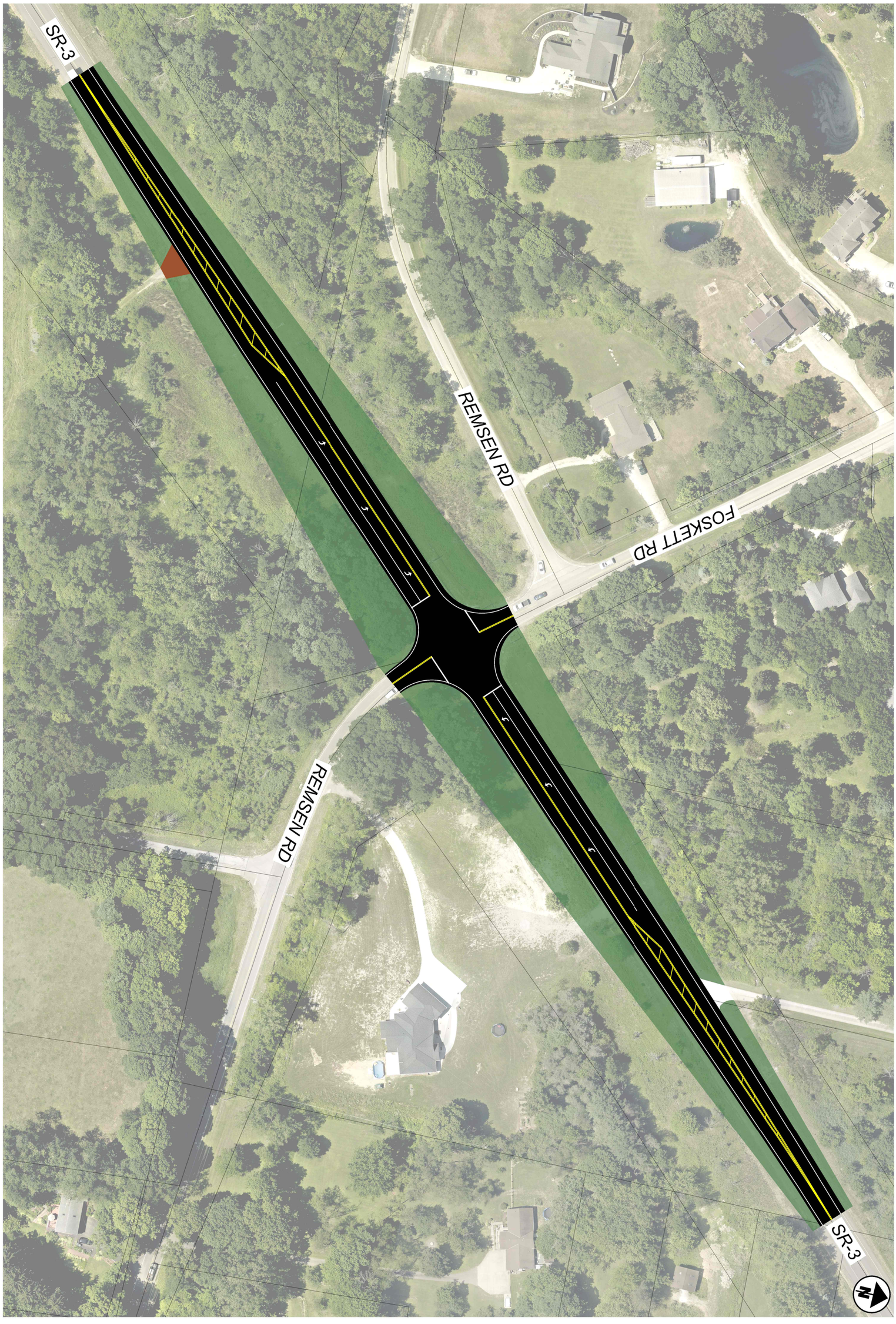
DESIGNER	JRS
REVIEWER	XXX MM-DD-YY
PROJECT ID	117028
SHEET	P.0
TOTAL	0



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DESIGNER CAC
REVIEWER XXX MM-DD-YY
PROJECT ID 117028
SHEET P.0 | TOTAL 0

MED-71/271 STUDY
STATE ROUTE 3 & REMSEN ROAD & FOSKETT ROAD

HORIZONTAL SCALE IN FEET
0 50
25 100


BLAKESLEE BLVD (TR-845)
SILVER RIDGE TRAIL (TR-797)
HAMILTON RD (CR-76)
IR-71 RAMP C SB EXIT RAMP
IR-71 RAMP A NB ENTRANCE RAMP
IR-71 RAMP B NB EXIT RAMP
IR-71 RAMP D SB ENTRANCE RAMP
WEYMOUTH RD
W 130TH ST(CR-17)
OLD WEYMOUTH RD (CR-32)
FRANTZ RD (TR-188)
FOSKETT RD (TR-109)
REMSEN RD (TR-37)
STATE HWY PATROL
CATHOLIC CHURCH
71
3
30
40
50
60
70
STOP
DESCRIPTION OF PROPOSED CHANGES
30 ADDITION OF 200' SB RIGHT TURN LANE
40 ADDITION OF SECOND EB LEFT TURN LANE
70 ADDITION OF 350' NB AND SB LEFT TURN LANE
LEGEND
ALTERNATE A
PARCELS.....
INTERSECTION NO.... #
1"
0
200'
N

LEGEND

ALTERNATE B-1

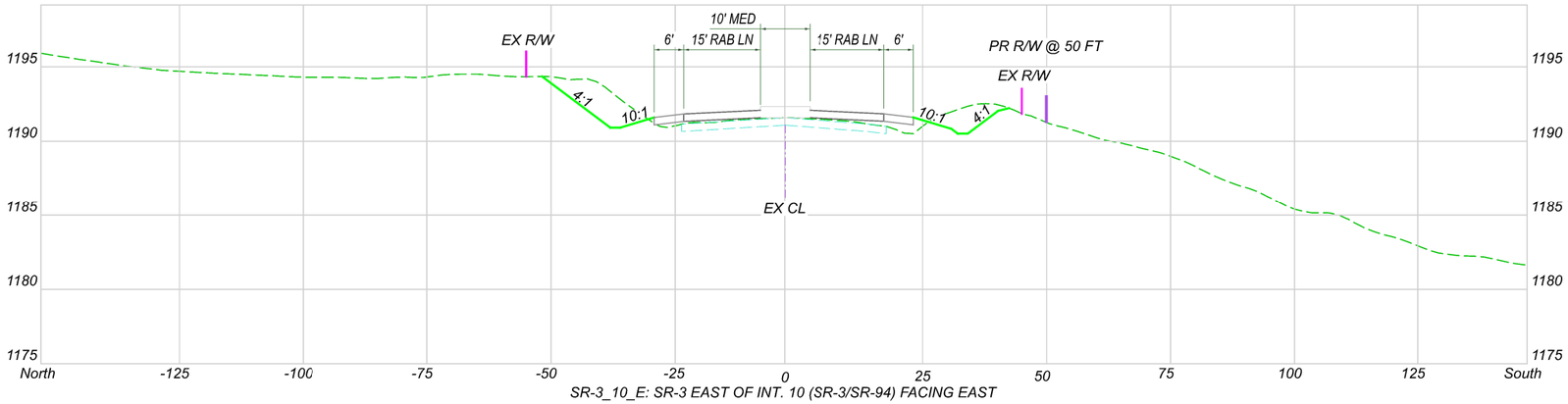
PARCELS.....
INTERSECTION NO.... #

1"
0 200'

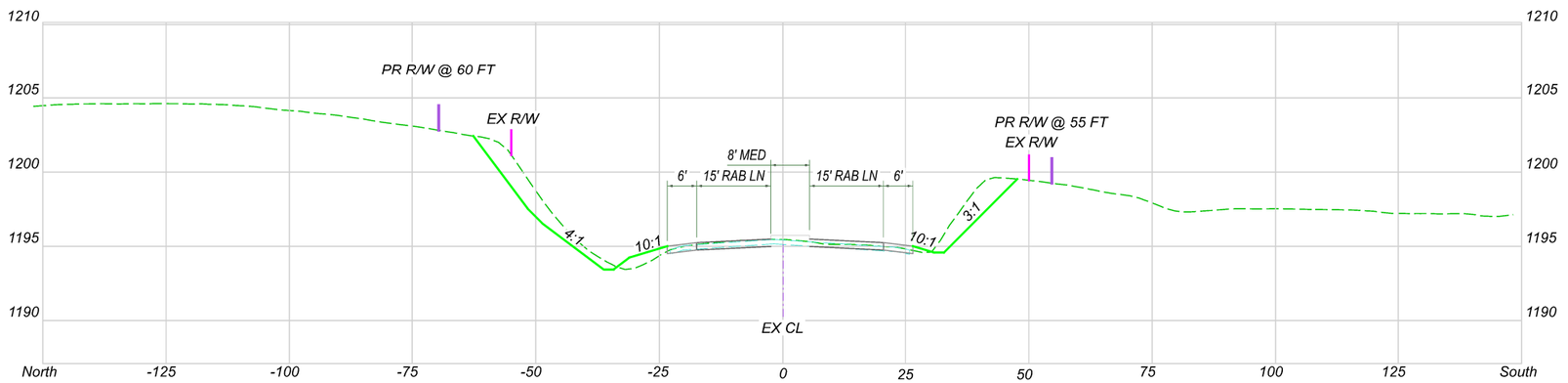
DESCRIPTION OF PROPOSED CHANGES

10 ROUNDABOUT WITH NB LEFT AND NB THRU-RIGHT LANES
250 ROUNDABOUT WITH TWO NB LANES
240 ROUNDABOUT WITH TWO WB LANES
230 ROUNDABOUT WITH NB DEDICATED RIGHT LANE
220 MAINTAIN EXISTING TWO-WAY STOP





SR-3_10_E: SR-3 EAST OF INT. 10 (SR-3/SR-94) FACING EAST



SR-3_10_W: SR-3 WEST OF INT. 10 (SR-3/SR-94) FACING EAST

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NOV. 4, 2024

MED-3

CROSS SECTIONS
SR-3 AT INTERSECTION 10 (SR-94/SR-4)

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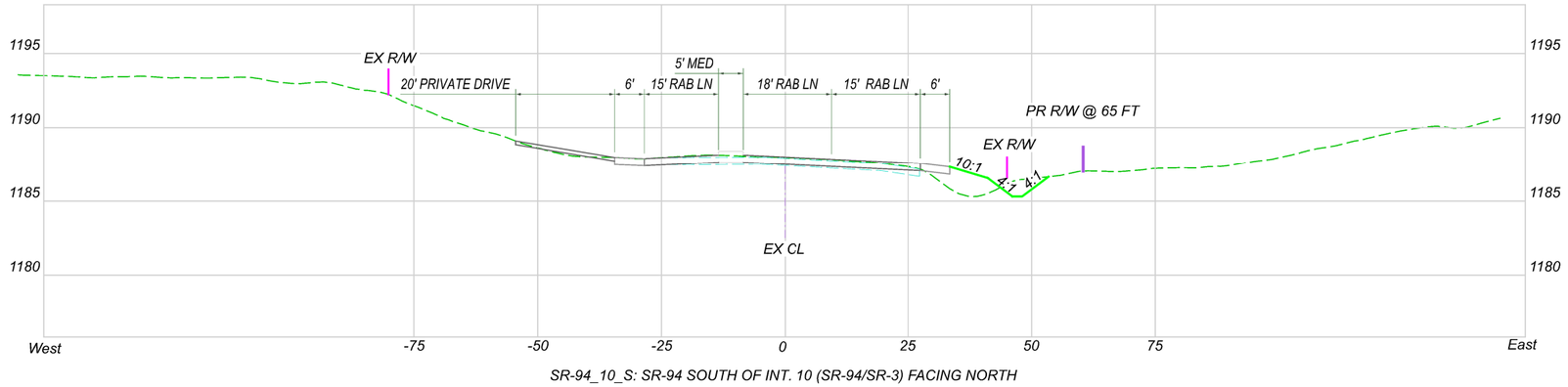
DESIGNER
JRS

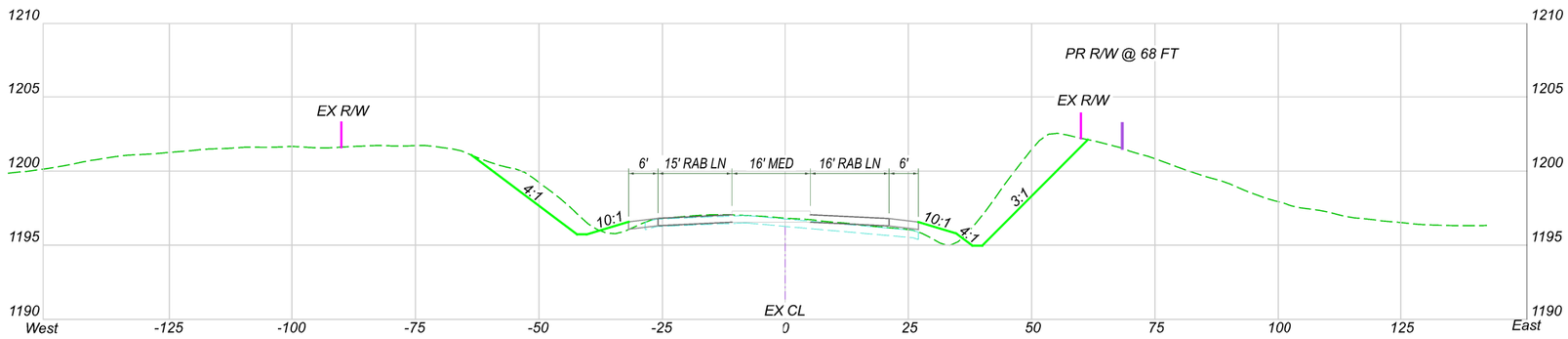
REVIEWER
XXX MM-DD-YY

PROJECT ID
117028

SHEET P.0 | TOTAL 0



SR-94_10_S: SR-94 SOUTH OF INT. 10 (SR-94/SR-3) FACING NORTH



SR-94_10_N: SR-94 North of Int. 10 (SR-3/SR-94) FACING NORTH

PRELIMINARY
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NOV. 4, 2024

CROSS SECTIONS
SR-94 AT INTERSECTION 10 (SR-94/SR-4)

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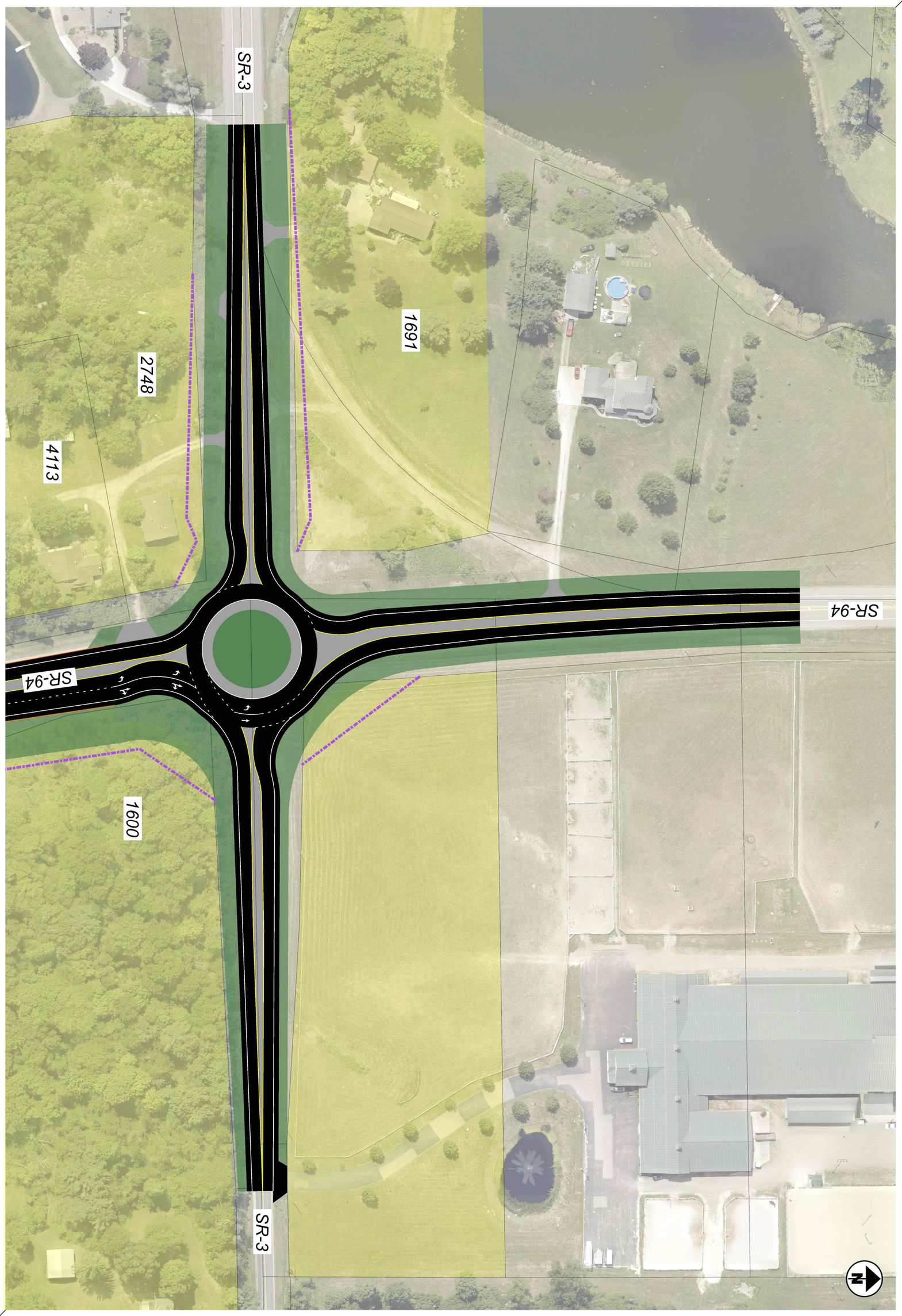
REVIEWER: XXX MM-DD-YY
PROJECT ID: 117028
SHEET: P.0 | TOTAL: 0

MED-94



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New Albany, OH 43054
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www.adrinnovation.com

DESIGNER
CAC

REVIEWER
XXX MM-DD-YY

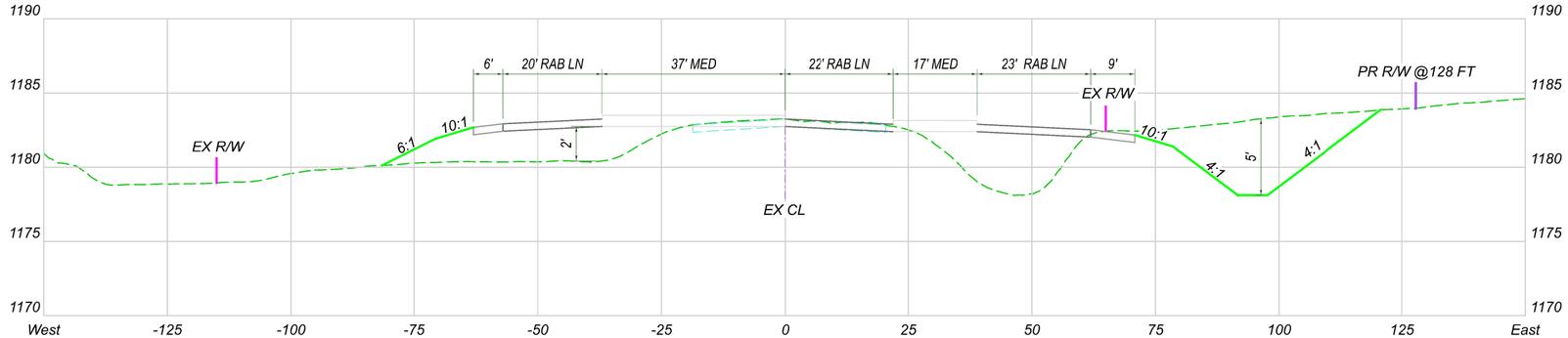
PROJECT ID
117028

SHEET
P.0

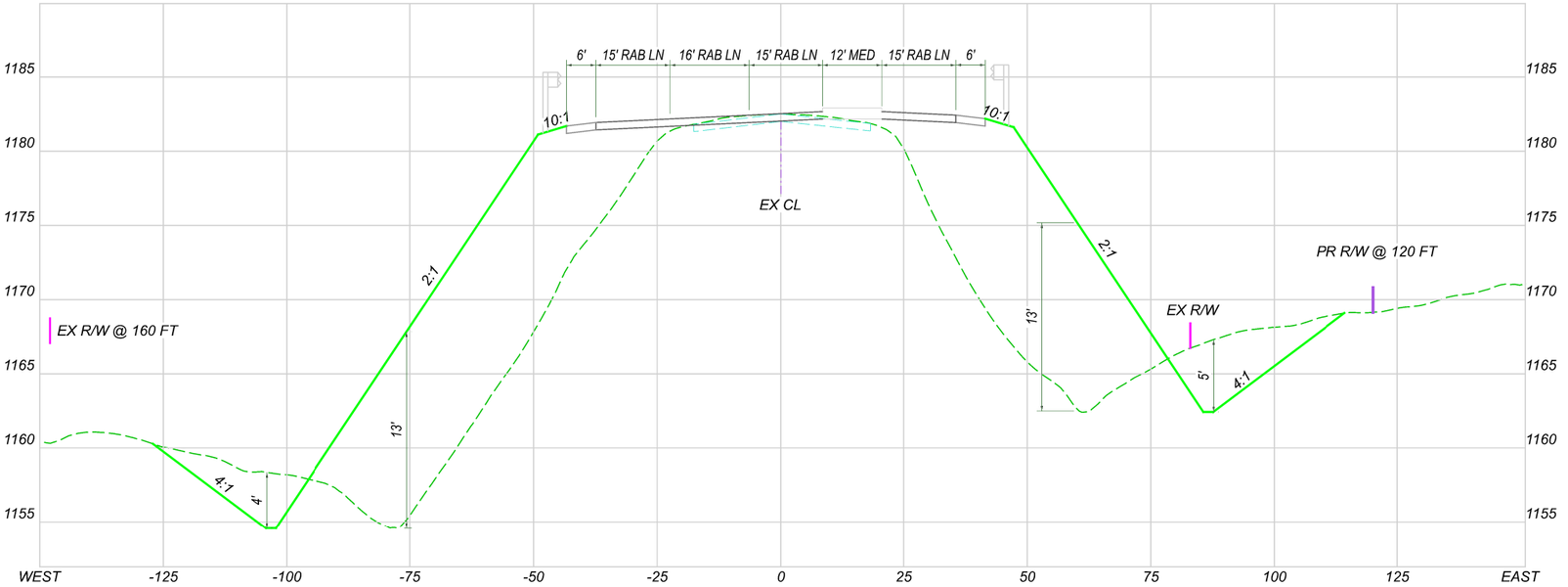
TOTAL
0

117028 MED-71/271 STUDY
STATE ROUTE 94 & STATE ROUTE 3

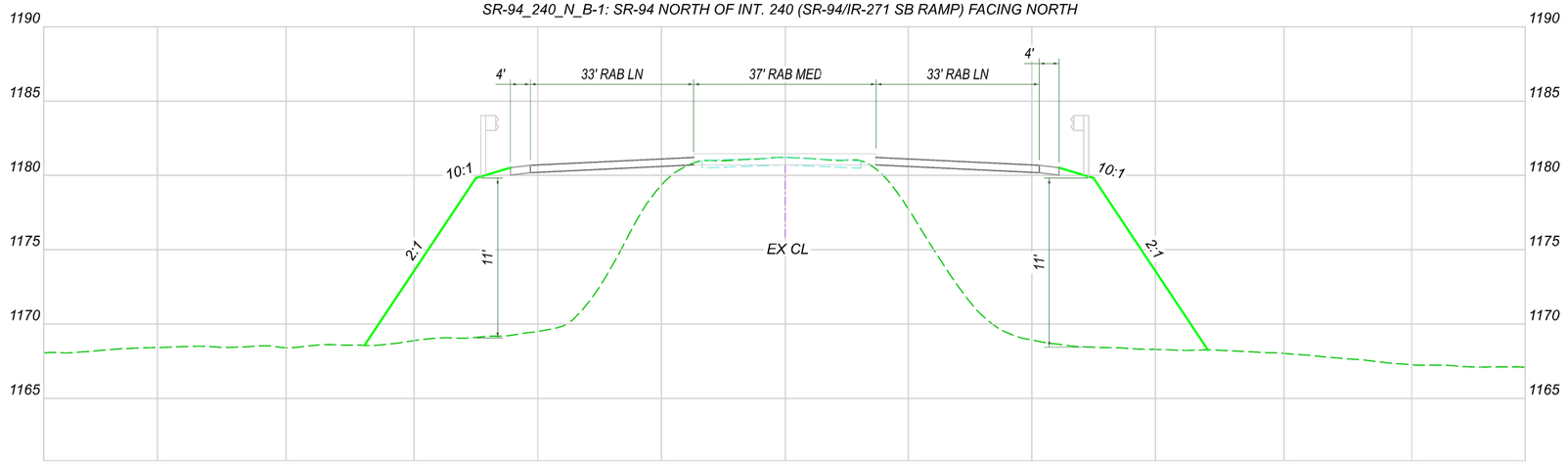
HORIZONTAL
SCALE IN FEET
0 50
25 100



SR-94_250_N_B-1: SR-94 NORTH OF INT. 250 (SR-94/REMSEN RD) FACING NORTH



SR-94_240_N_B-1: SR-94 NORTH OF INT. 240 (SR-94/IR-271 SB RAMP) FACING NORTH



SR-94_240_S_B-1: SR-94 SOUTH OF INT. 240 (SR-94/IR-271 SB ENTRANCE RAMP) FACING NORTH

PRELIMINARY
NOT FOR CONSTRUCTION
NOV. 4, 2024

MED-94

CROSS SECTIONS

SR-94 AT INT. 240-250 (SR-94/I-271 SB RAMP & SR-94/REMSEN RD) ALT. B-1

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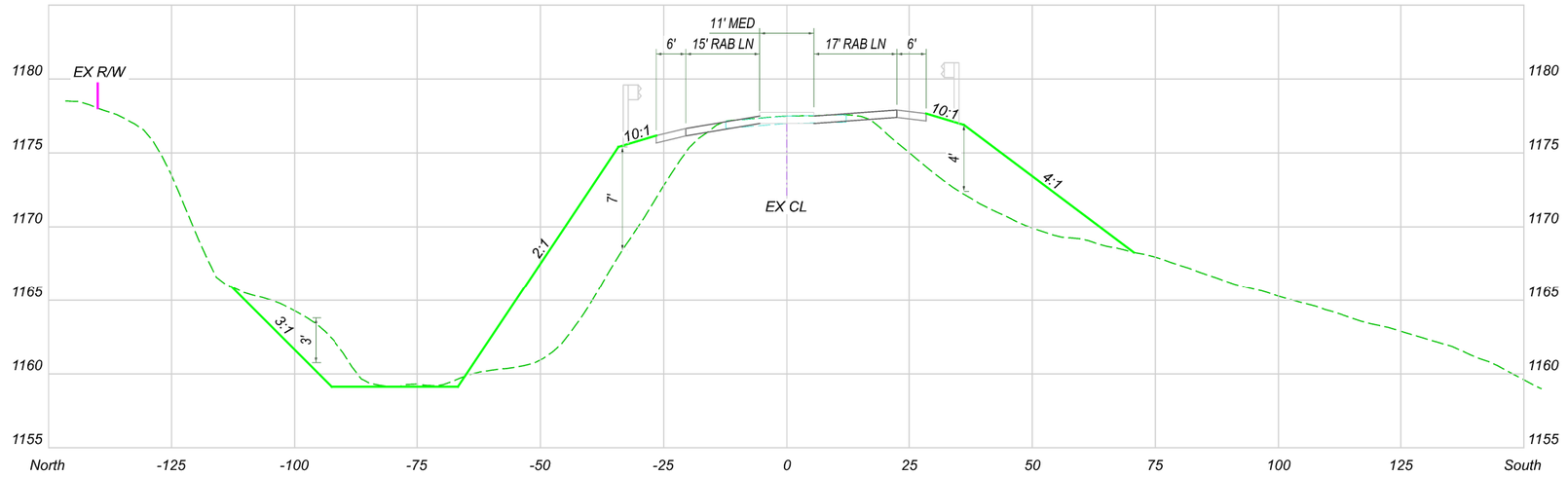
Newark, OH 43055
(740) 345-1921 (ph)
www.adrinnovation.com

DESIGNER
JRS

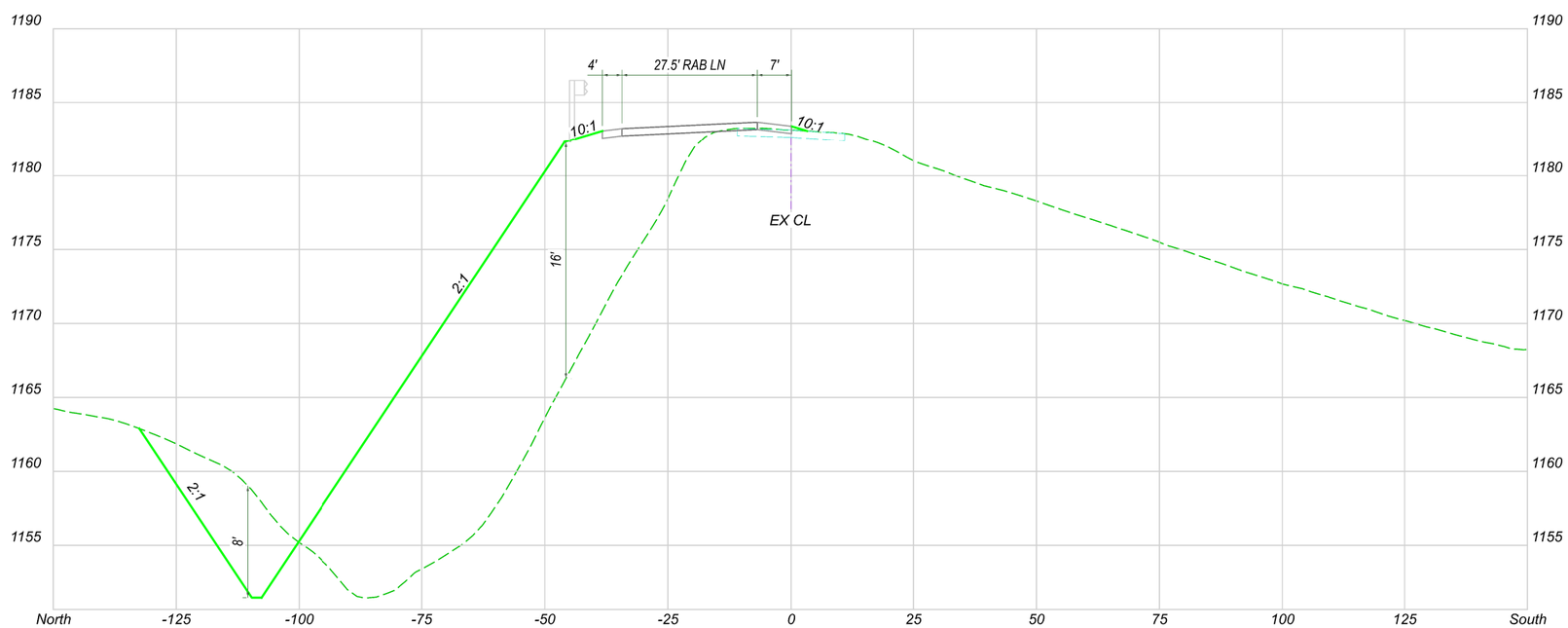
REVIEWER
XXX MM-DD-YY

PROJECT ID
117028

SHEET P.0 | TOTAL 0



IR-271_SB_RAMP_240_E_B-1: IR-271 SB EXIT RAMP EAST OF iNT. 240 (SR-94/IR-271 SB RAMP) FACING EAST



IR-271_SB_RAMP_240_W_B-1: IR-271 SB ENTRANCE RAMP WEST OF INT. 240 (SR-94/IR-271 SB RAMP) FACING EAST

PRELIMINARY
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NOV. 4, 2024

MED-271SB_RAMP

CROSS SECTIONS
I-271 SB RAMP AT INTERSECTION. 240 (SR-94/I-271 SB RAMP) ALT B-1

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REVIEWER
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PROJECT ID
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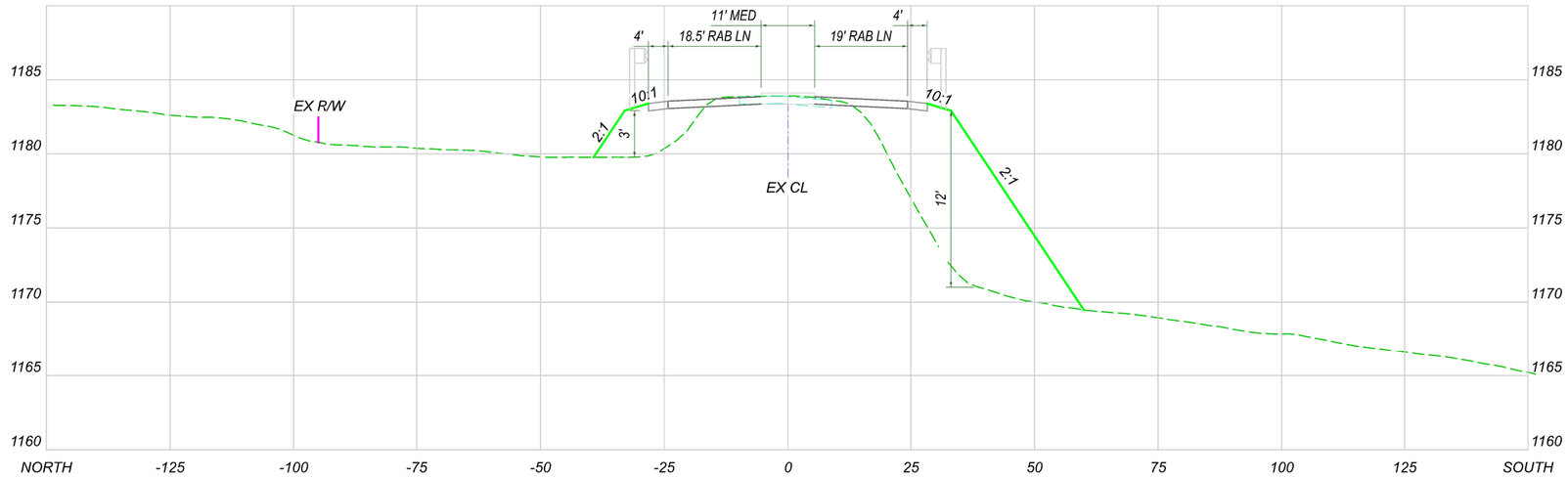
SHEET
P.0

TOTAL
0



REMSEN_250_W_B-1: REMSEN RD 120 FT FROM INT. 250 (SR-94/REMSEN RD) FACING EAST

PRELIMINARY
NOT FOR CONSTRUCTION
NOV. 4, 2024

MED-REMSEN_RD

CROSS SECTIONS
REMSEN RD AT INTERSECTION 250 (SR-94/REMSEN RD) ALT B-1

DESIGN AGENCY
ADR
DESIGN · ENGINEERING · INNOVATION
An Employee Owned Company
88 West Church Street
Newark, OH 43055
(740) 345-1921 (ph)
www.adrinnovation.com

DESIGNER
JRS

REVIEWER
XXX MM-DD-YY

PROJECT ID
117028

SHEET P.0 | TOTAL 0



HORIZONTAL SCALE IN FEET
0 50 100 200

117028 MED-71/271 STUDY
INTERSTATE ROUTE 271 SOUTHBOUND & SR 94 AND SR 94 & REMSEN RD

DESIGN AGENCY
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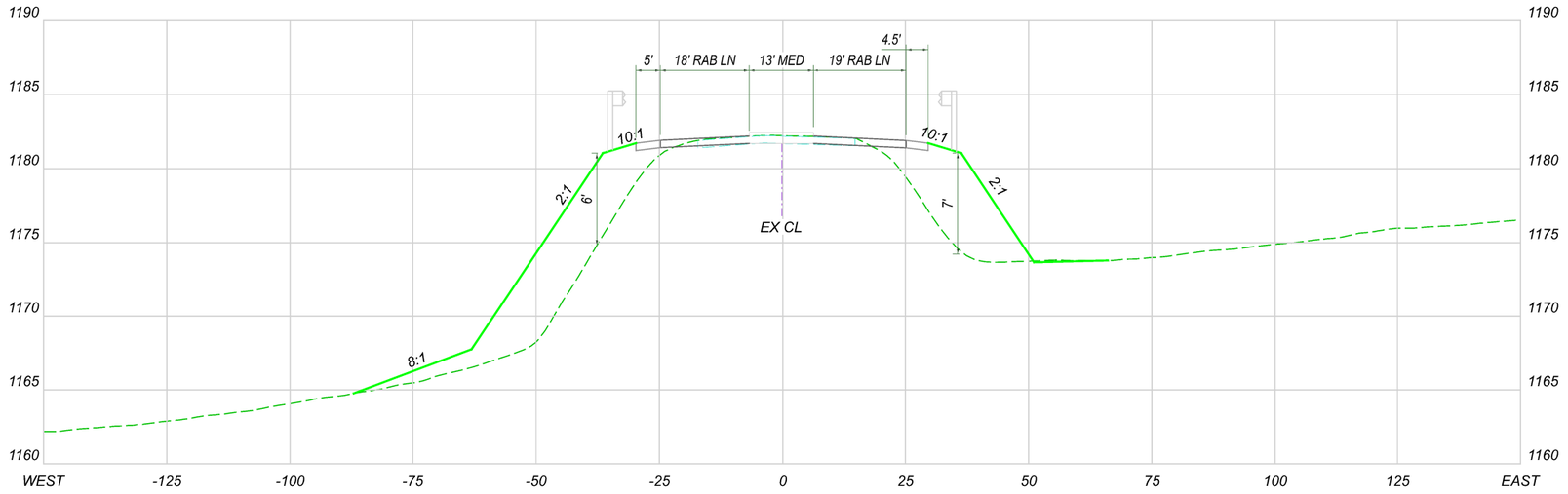
DESIGNER
CAC

REVIEWER
XXX MM-DD-YY

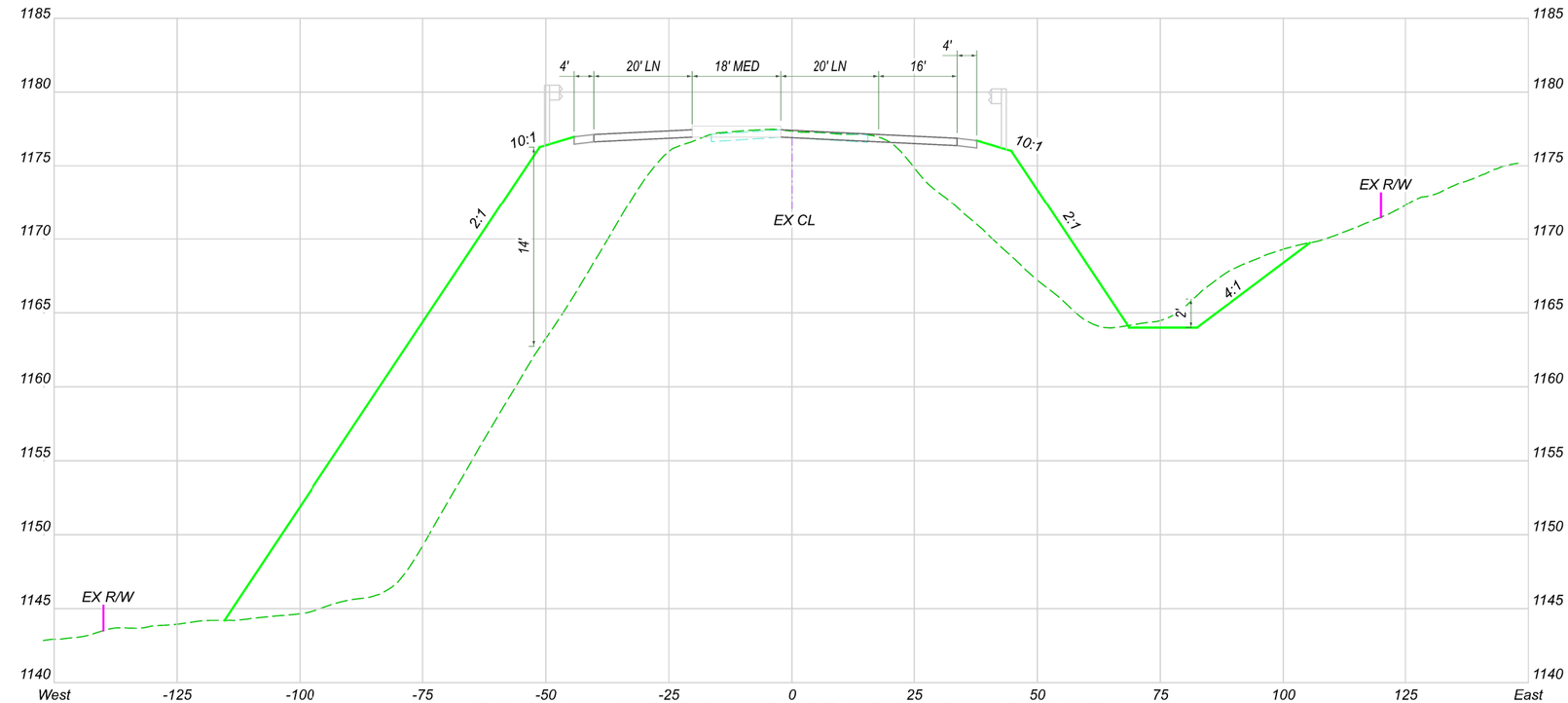
PROJECT ID
117028

SHEET P.0 TOTAL 0

MED-71/271 STUDY



SR-94_230_N: SR-94 NORTH OF INT. 230 (SR-94/ IR-271 NB ENTRANCE RAMP) FACING NORTH



SR-94_230_S: SR-94 SOUTH OF INT. 230 (SR-94/IR-271 NB ENTRANCE RAMP) FACING NORTH

PRELIMINARY
NOT FOR CONSTRUCTION
NOV. 4, 2024

MED-94

CROSS SECTIONS
SR-94 AT INTERSECTION 230 (SR-94/I-271 NB RAMP)

DESIGN AGENCY
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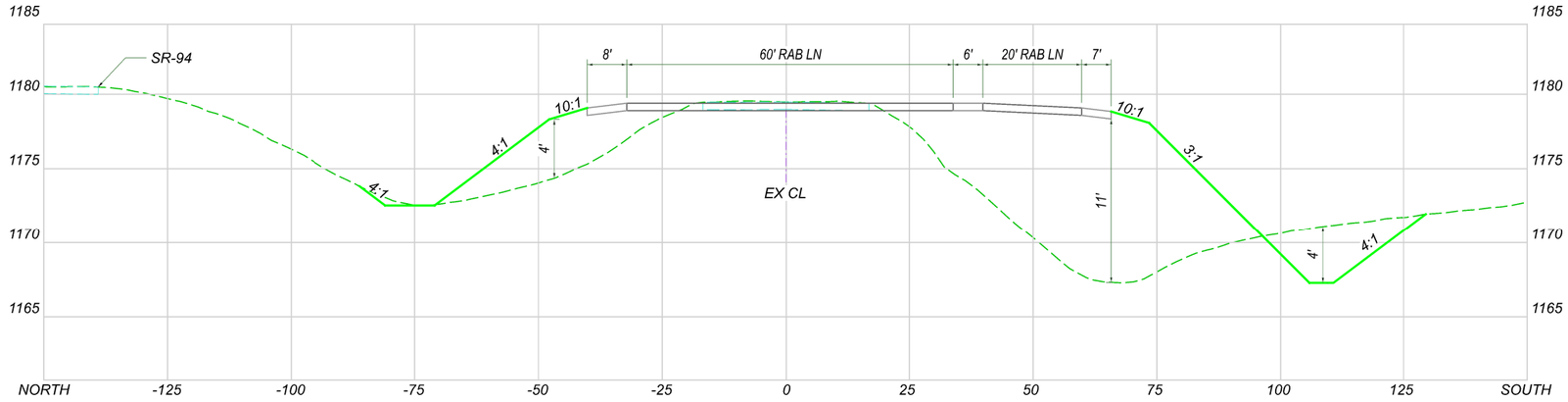
DESIGNER
JRS

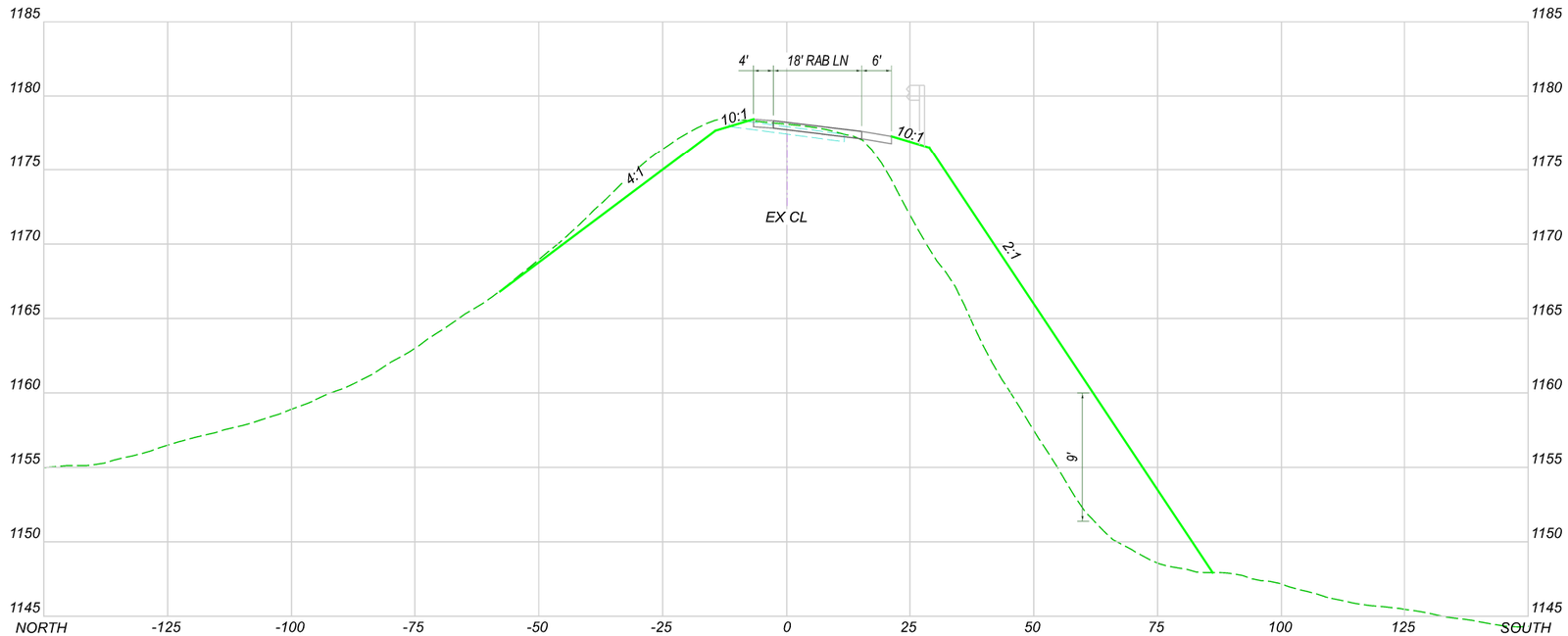
REVIEWER
XXX MM-DD-YY

PROJECT ID
117028

SHEET	TOTAL
P.0	0



IR-271_NB_RAMP_230_E: IR-271 NB EXIT RAMP EAST OF INT. 230 (IR-271 NB RAMP/SR-94) FACING EAST



IR-271_NB_RAMP_230_W: IR-271 NB EXIT RAMP WEST OF INT. 230 (IR-271 NB RAMP/SR-94) FACING EAST

PRELIMINARY
NOT FOR CONSTRUCTION
NOV. 4, 2024

MED-271NB_RAMP

CROSS SECTIONS
I-271 NB RAMP AT INTERSECTION 230 (I-271 NB RAMP/SR-94)

DESIGN AGENCY

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DESIGNER: JRS

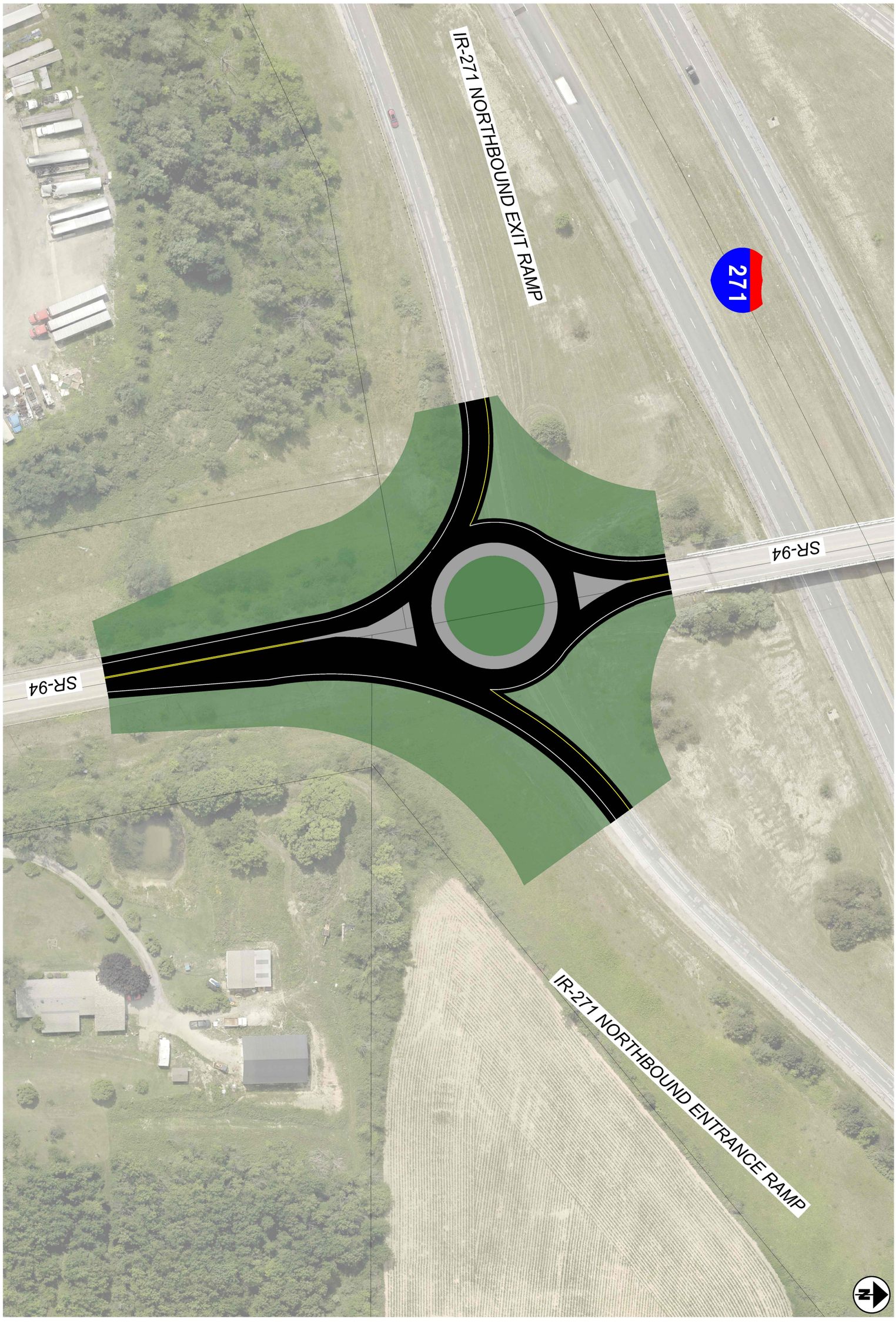
REVIEWER: XXX MM-DD-YY

PROJECT ID: 117028

SHEET: P.0 | TOTAL: 0

MED-71/271 STUDY

MODEL: Design PAPERSIZE: 17x11(In.) DATE: 11/19/2024 TIME: 5:31:00 PM USER: JStipe
P:\ADR\2023\23-039 ODOT MED-71-271 Planning Study\117028\100-Planning\Preliminary\Exhibit\Revised RW and Cross Section Exhibits\117028 271-94 South Roundabout revised rw.dgn



SHEET P.0 | TOTAL 0	PROJECT ID 117028	REVIEWER XXX MM-DD-YY	DESIGNER CAC	DESIGN AGENCY ADR Architecture, LLC	117028 MED-71/271 STUDY INTERSTATE ROUTE 271 NORTHBOUND & STATE ROUTE 94

ADR Architecture, LLC
An Employee Owned Company
88 West Church Street
Newark, OH 43055
(740) 345-1821 (ph)
www.adrinnovation.com

HORIZONTAL SCALE IN FEET
0 40
20 80



HORIZONTAL SCALE IN FEET
0 50 100 200

117028 MED-71/271 STUDY
INTERSTATE ROUTE 271 SOUTHBOUND & SR 94 AND SR 94 & REMSEN RD

MED-71/271 STUDY

DESIGN AGENCY
ADR
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88 West Church Street
Newark, OH 43055
(740) 345-1921 (ph)
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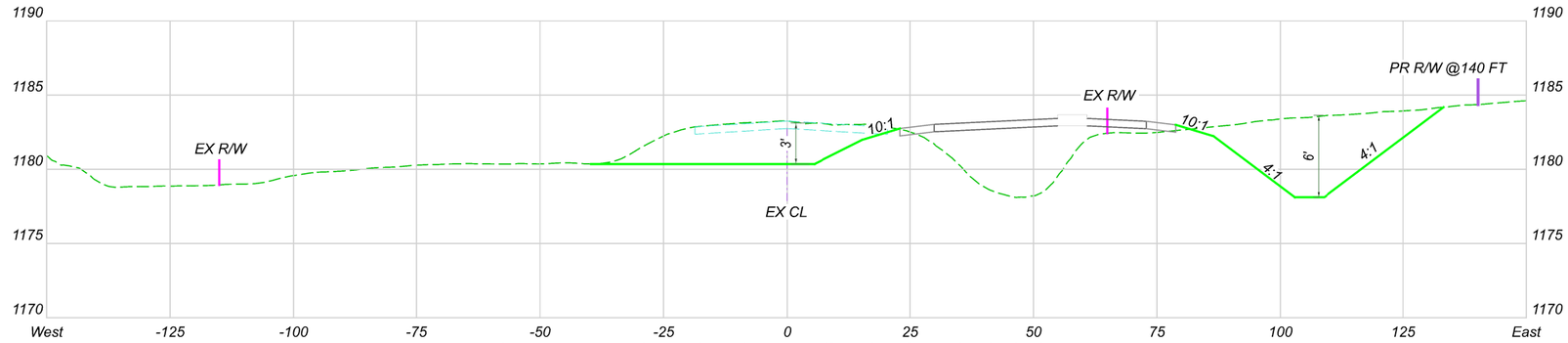
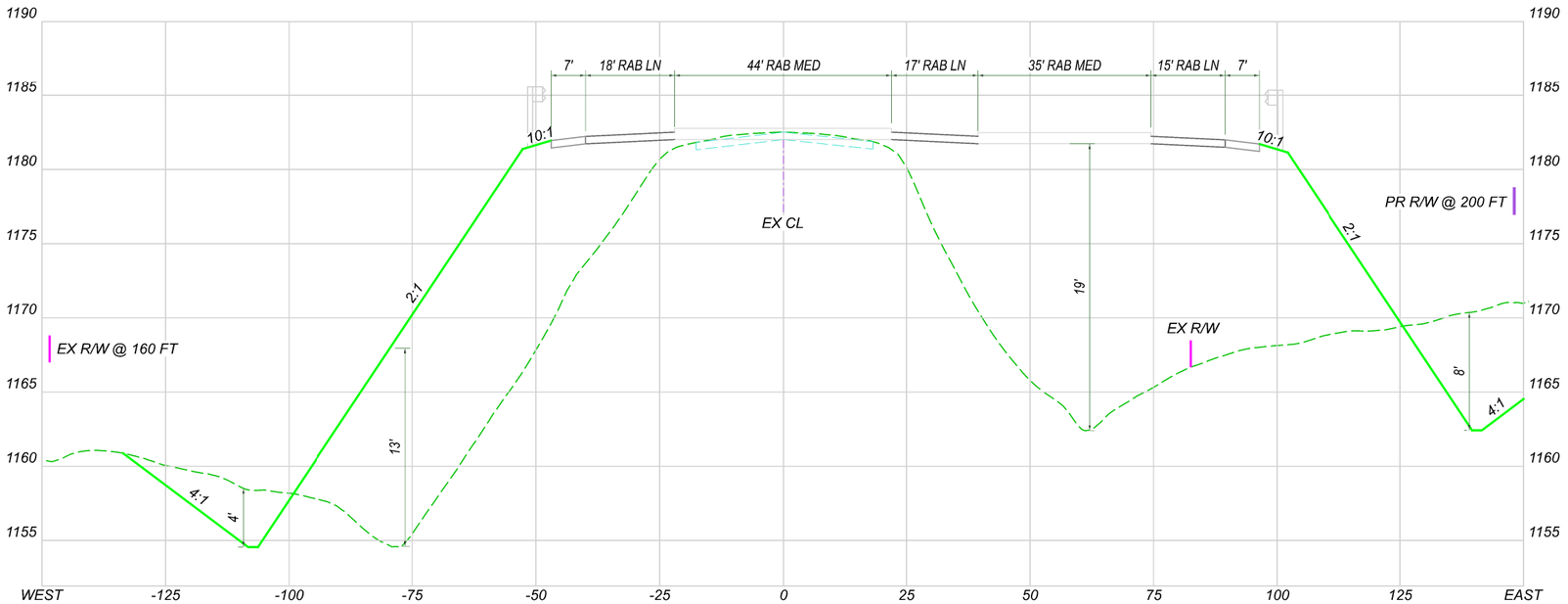
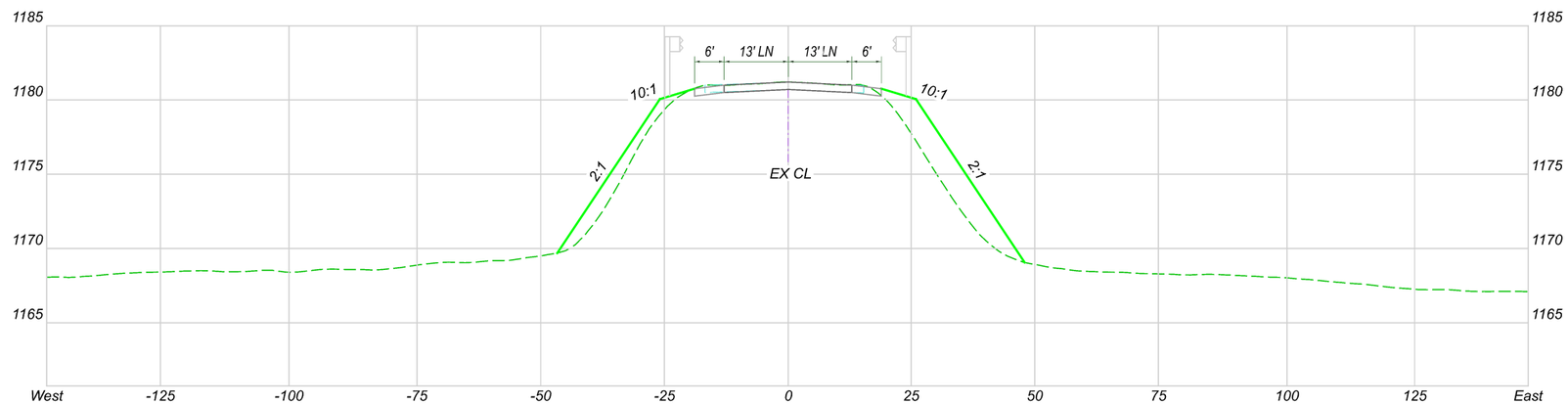
DESIGNER: BPM
REVIEWER: XXX MM-DD-YY
PROJECT ID: 117028
SHEET: P.0 | TOTAL: 0



SR-94_250_N_B-2A: SR-94 NORTH OF INT. 250 (SR-94/REMSEN RD) FACING NORTH



SR-94_240_N_B-2A: SR-94 NORTH OF INT. 240 (SR-94/IR-271 SB RAMP) FACING NORTH



SR-94_240_S_B-2A: SR-94 SOUTH OF INT. 240 (SR-94/IR-271 SB ENTRANCE RAMP) FACING NORTH

PRELIMINARY
NOT FOR CONSTRUCTION
NOV. 4, 2024

MED-94

CROSS SECTIONS

SR-94 AT INT. 240-250 (SR-94/I-271 SB RAMP & SR-94/REMSEN RD) ALT B-2A

DESIGN AGENCY
ADR
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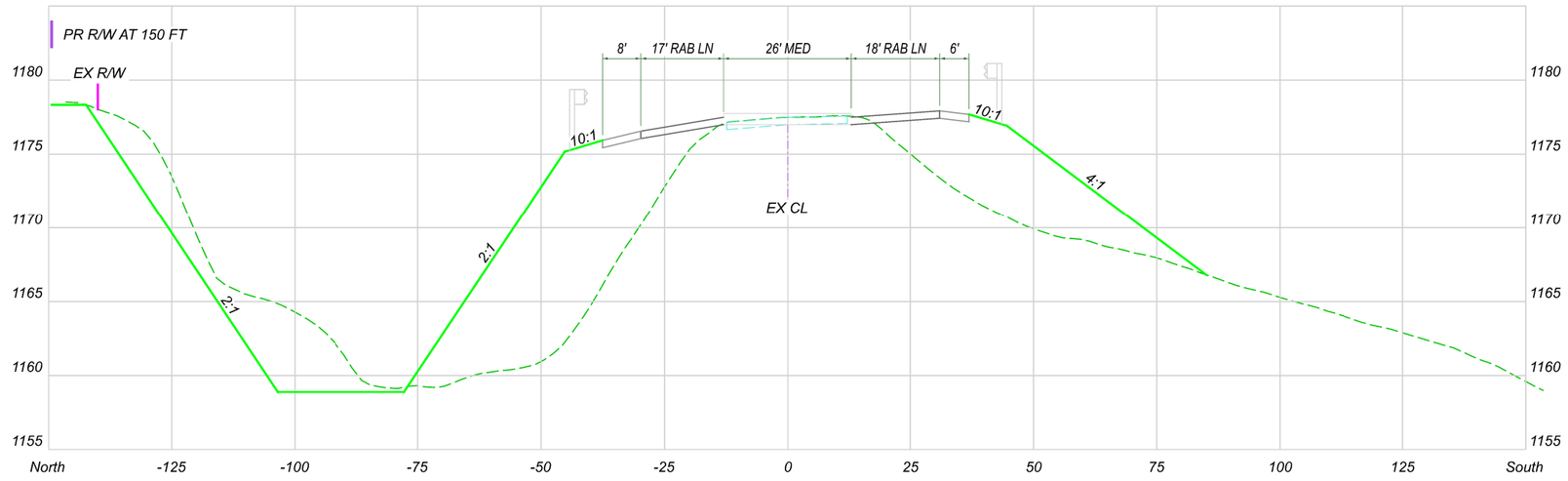
DESIGNER
JRS

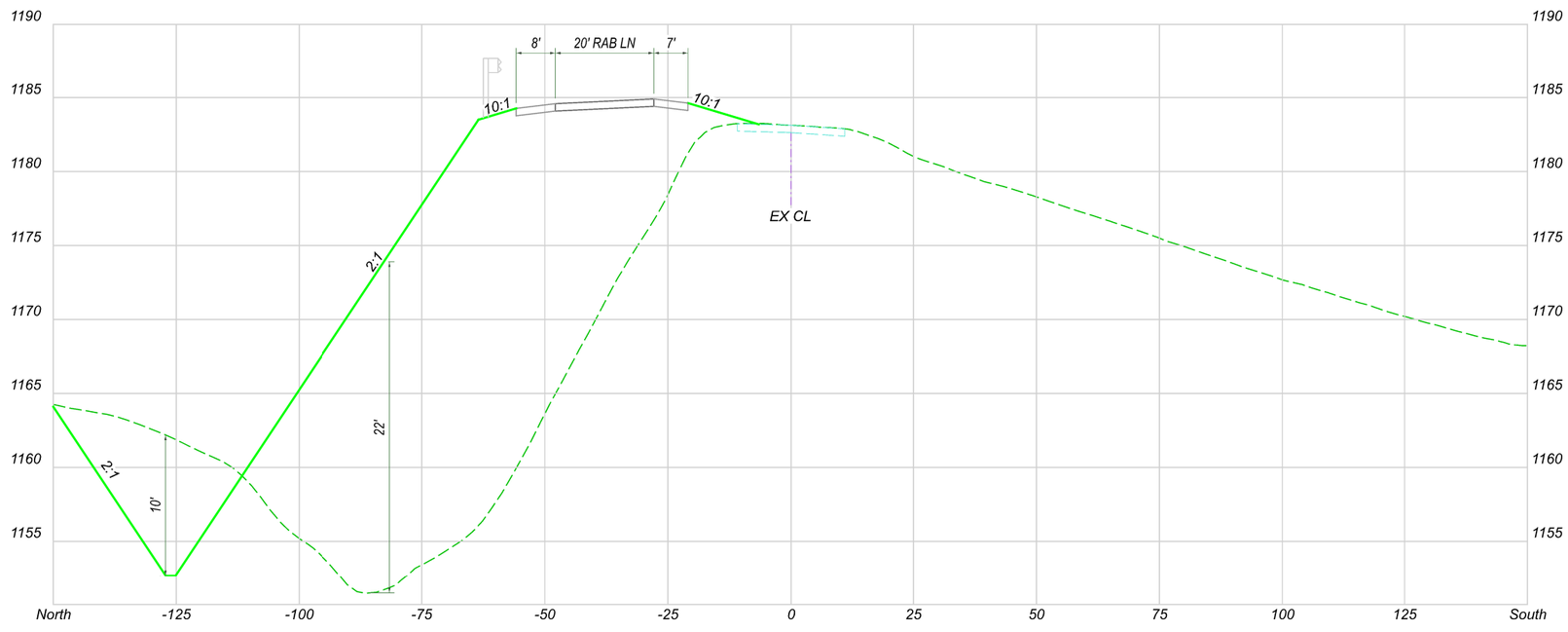
REVIEWER
XXX MM-DD-YY

PROJECT ID
117028

SHEET P.0 | TOTAL 0



IR-271_SB_RAMP_240_E_B-2A: IR-271 SB EXIT RAMP EAST OF INT. 240 (SR-94/IR-271 SB RAMP) FACING EAST



IR-271_SB_RAMP_240_W_B-2A: IR-271 SB ENTRANCE RAMP WEST OF INT. 240 (SR-94/IR-271 SB RAMP) FACING EAST

PRELIMINARY
NOT FOR CONSTRUCTION
NOV. 4, 2024

MED-271SB_RAMP

CROSS SECTIONS
I-271 SB RAMP AT INTERSECTION. 240 (SR-94/I-271 SB RAMP) ALT B-2A

DESIGN AGENCY
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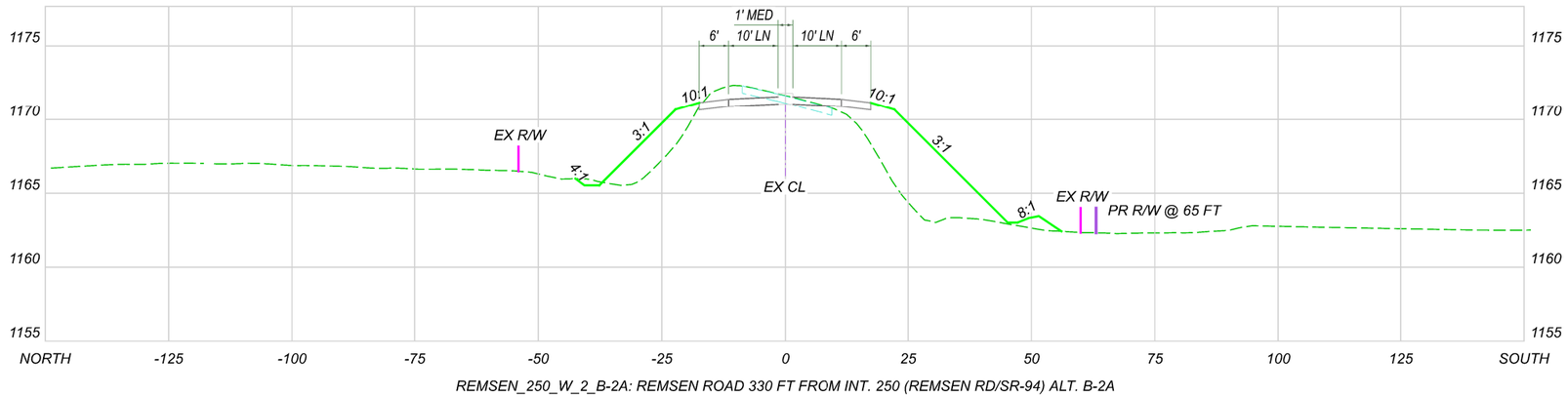
DESIGNER
JRS

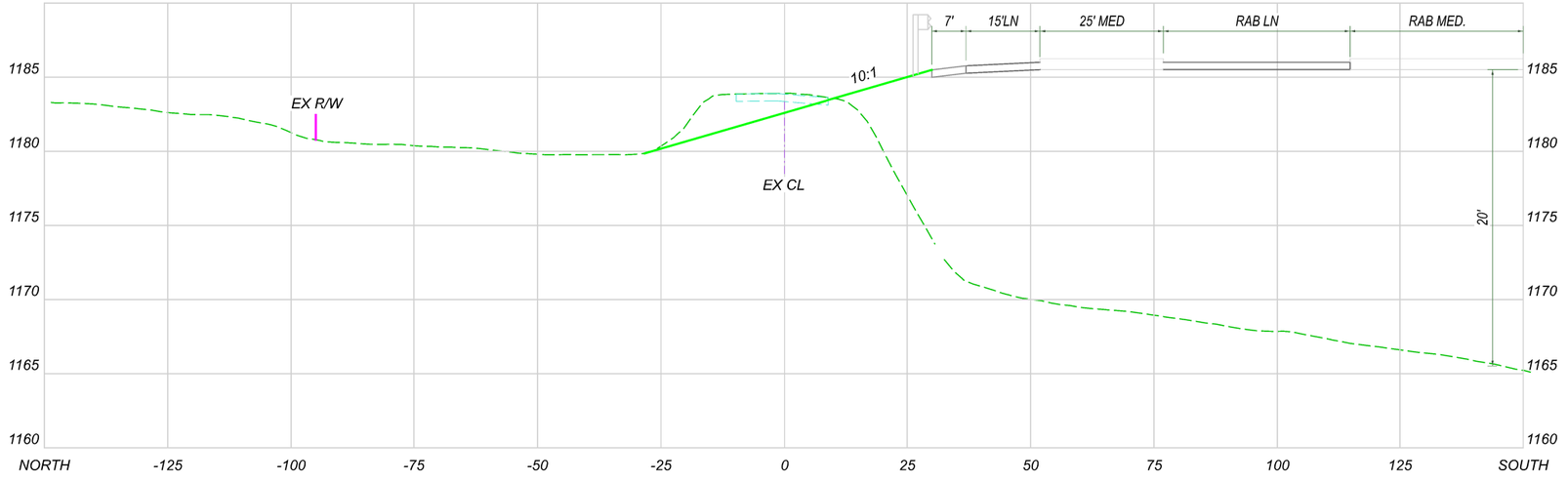
REVIEWER
XXX MM-DD-YY

PROJECT ID
117028

SHEET P.0 | TOTAL 0



REMSEN_250_W_2_B-2A: REMSEN ROAD 330 FT FROM INT. 250 (REMSEN RD/SR-94) ALT. B-2A



REMSEN_250_W_1_B-2A: REMSEN RD 120 FT FROM INT. 250 (SR-94/REMSEN RD) FACING EAST

PRELIMINARY
NOT FOR CONSTRUCTION
NOV. 4, 2024

MED-REMSEN_RD

CROSS SECTIONS
REMSEN RD AT INTERSECTION 250 (SR-94/REMSEN RD) ALT B-2A

DESIGN AGENCY
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DESIGNER
JRS

REVIEWER
XXX MM-DD-YY

PROJECT ID
117028

SHEET P.0 | TOTAL 0



DESIGN AGENCY
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(740) 345-1921 (ph)
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DESIGNER
BPM

REVIEWER
XXX MM-DD-YY

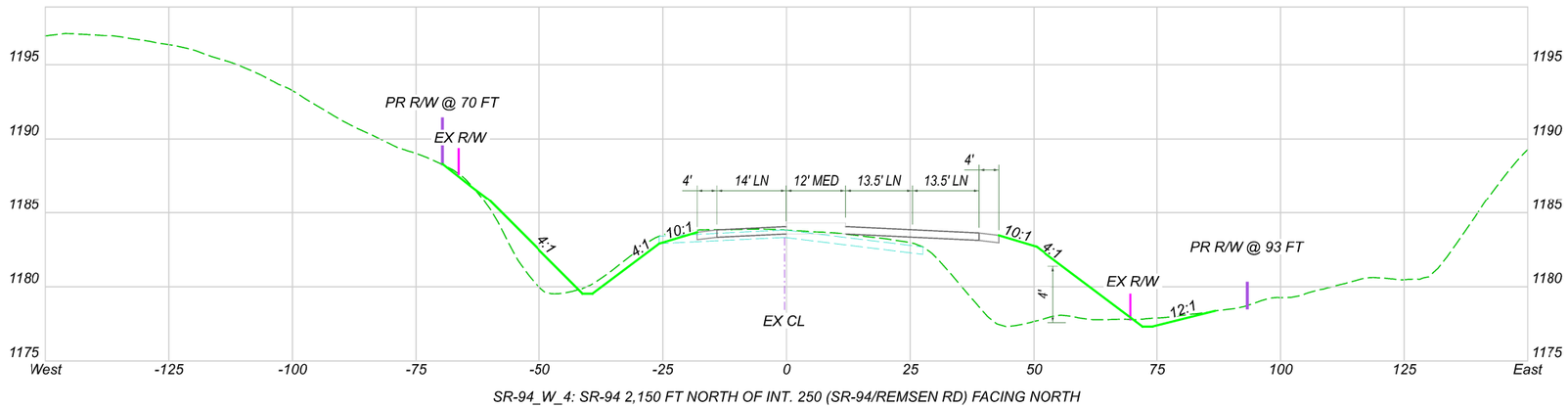
PROJECT ID
117028

SHEET
P.0

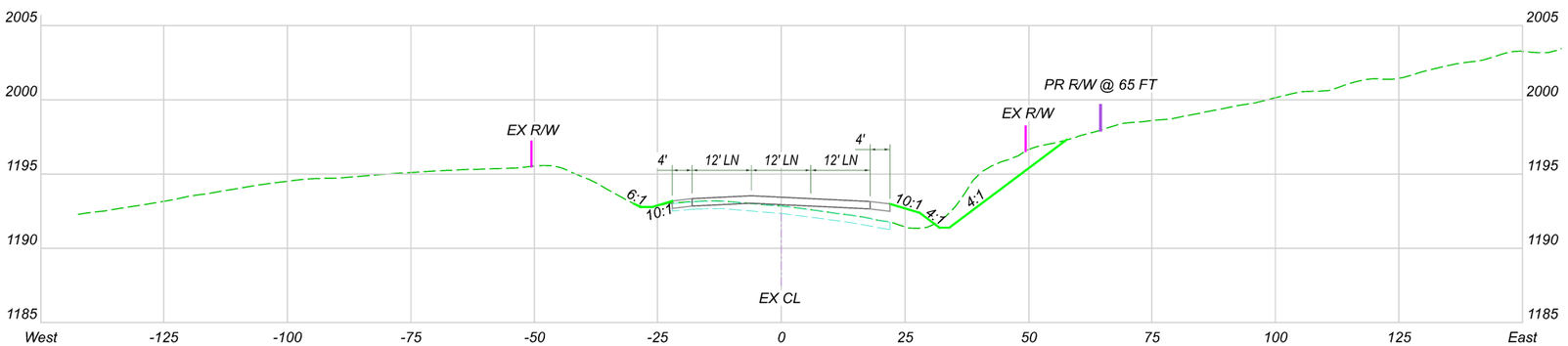
TOTAL
0

117028 MED-71/271 STUDY
INTERSTATE ROUTE 271 SOUTHBOUND & SR 94 AND SR 94 & REMSEN RD

HORIZONTAL
SCALE IN FEET
0 100
50 200



SR-94_W_4: SR-94 2,150 FT NORTH OF INT. 250 (SR-94/REMSEN RD) FACING NORTH



SR-94_W_3: SR-94 1270 FT NORTH OF INT. 250 (SR-94/REMSEN RD) FACING NORTH

PRELIMINARY
NOT FOR CONSTRUCTION
NOV. 4, 2024

MED-94

CROSS SECTIONS
SR-94 Widening Improvements

DESIGN AGENCY
ADR
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88 West Church Street
Newark, OH 43055
(740) 345-1921 (ph)
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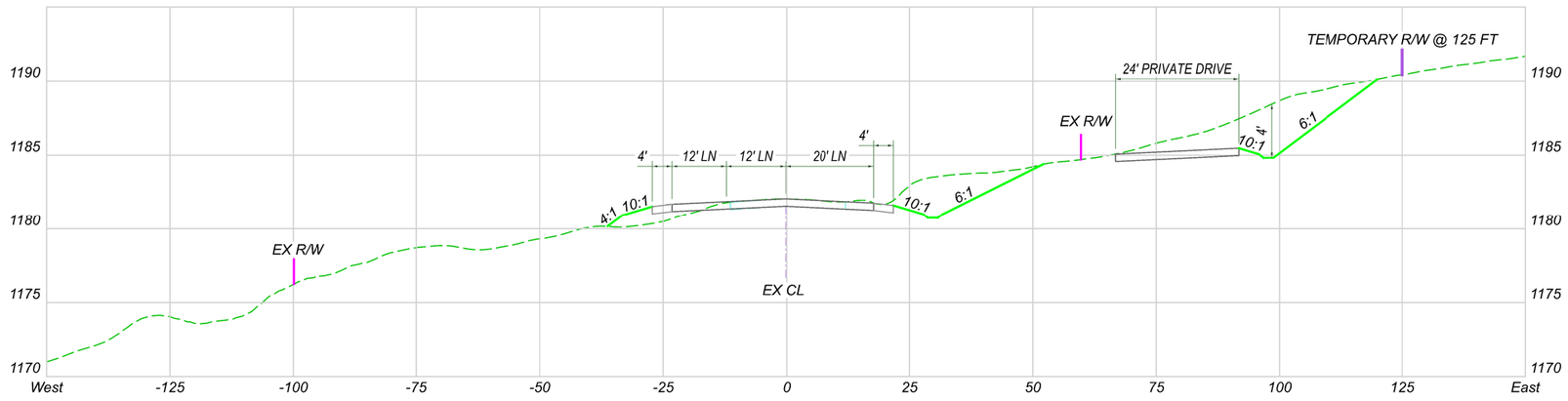
DESIGNER
JRS

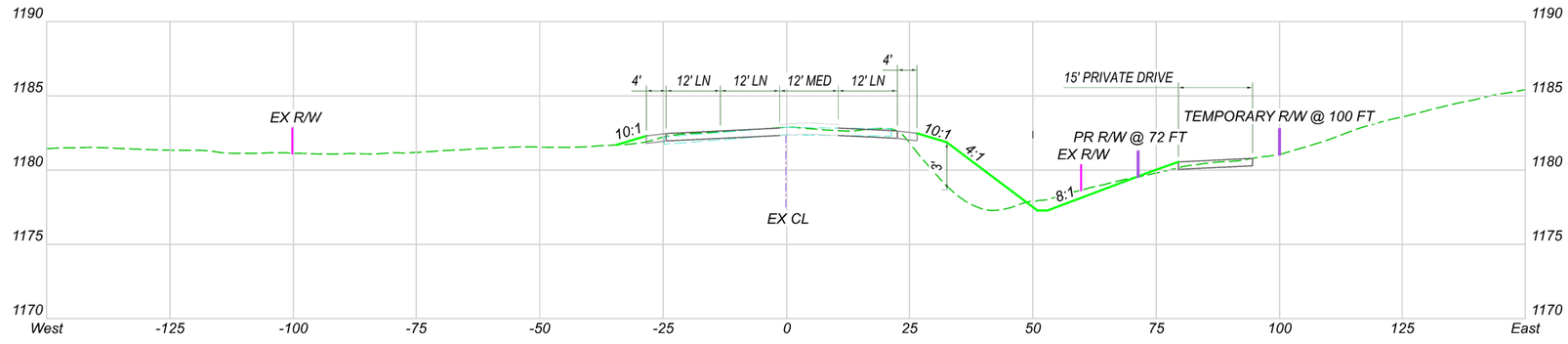
REVIEWER
XXX MM-DD-YY

PROJECT ID
117028

SHEET P.1 | TOTAL 3



SR-94_W_2_B-1: SR-94 370 FT NORTH OF INT. 250 (SR-94/REMSEN RD) FACING NORTH



SR-94_W_1_B-1: SR-94 120 FT NORTH OF INT. 250 (SR-94/REMSEN RD) FACING NORTH

PRELIMINARY
NOT FOR CONSTRUCTION
NOV. 4, 2024

MED-94

CROSS SECTIONS
SR-94 Widening Improvements (B-1)

DESIGN AGENCY
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Newark, OH 43055
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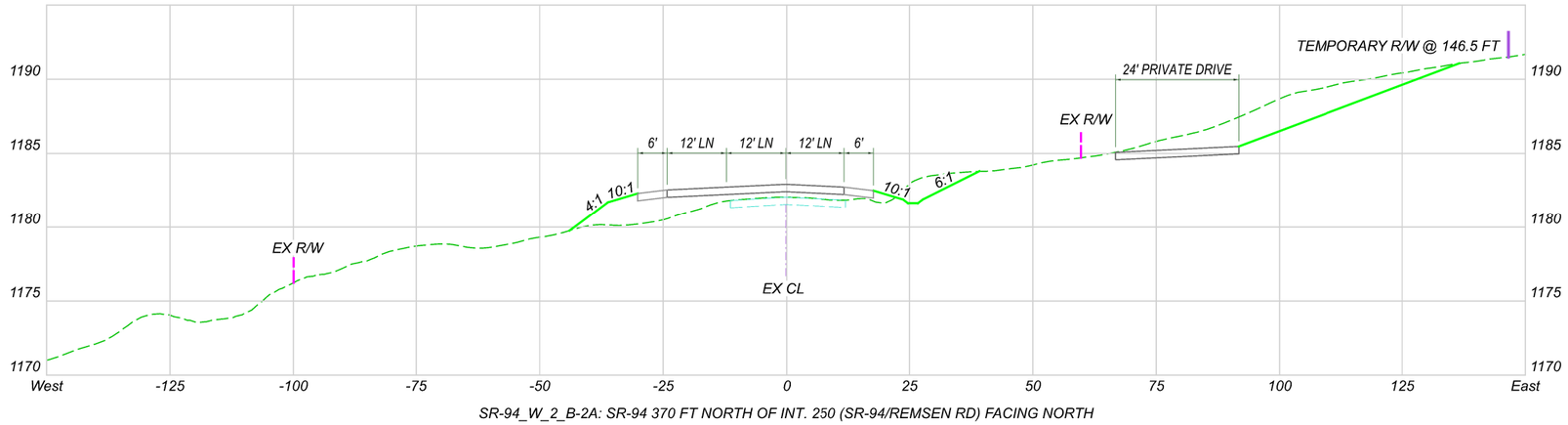
DESIGNER
JRS

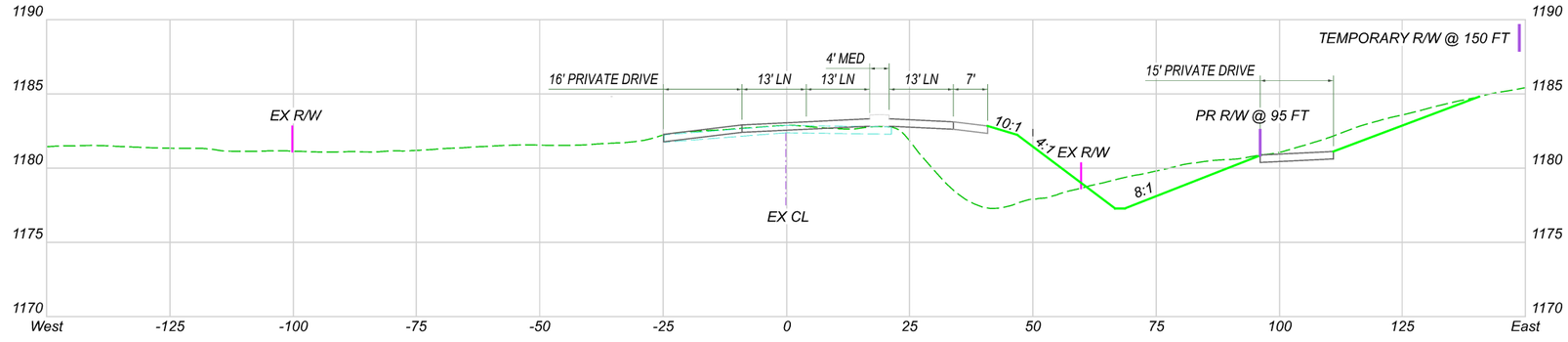
REVIEWER
XXX MM-DD-YY

PROJECT ID
117028

SHEET P.2 | TOTAL 3



SR-94_W_2_B-2A: SR-94 370 FT NORTH OF INT. 250 (SR-94/REMSEN RD) FACING NORTH



SR-94_W_1_B-2A: SR-94 120 FT NORTH OF INT. 250 (SR-94/REMSEN RD) FACING NORTH

PRELIMINARY
NOT FOR CONSTRUCTION
NOV. 4, 2024

MED-94

CROSS SECTIONS

SR-94 Widening Improvements (B-2A)

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XXX MM-DD-YY

PROJECT ID
117028

SHEET P.3 | TOTAL 3

LEGEND **ALTERNATE B-1**

PARCELS.....
INTERSECTION NO.... (#)

1"
0 200'

DESCRIPTION OF PROPOSED CHANGES

- (10) ROUNDABOUT WITH NB LEFT AND NB THRU-RIGHT LANES
- (250) ROUNDABOUT WITH TWO NB LANES
- (240) ROUNDABOUT WITH TWO WB LANES
- (230) ROUNDABOUT WITH NB DEDICATED RIGHT LANE
- (220) MAINTAIN EXISTING TWO-WAY STOP



Refined Matrix

REFINED MATRIX - IMPROVED CORRIDOR

INT. #	ALT(s)	DESCRIPTION	ESTIMATED PROJECT COST (2024 DOLLARS)	ECAT ANALYSIS | SAFETY & CRASHES								ICE ANALYSIS | OPERATIONS & DELAYS				No-Build to Build Comparison: How the "Build" conditions would affect the safety and delay benefits of the preferred improvements along the corridor		
					"No-Build" (No IR-71/IR-271 ramps)				"Build" (After impact of IR-71/IR-271 ramps)				"No-Build" (No IR-71/IR-271 ramps)		"Build" (IR-71/IR-271 ramps present)				
				ECAT CRASH ANALYSIS METHOD	SOCIETY SAFETY BENEFIT (2024 DOLLARS)	SAFETY B/C RATIO	NO. OF ANNUAL CRASHES	ANNUAL CRASH REDUCTION	SOCIETY SAFETY BENEFIT (2024 DOLLARS)	SAFETY B/C RATIO	NO. OF ANNUAL CRASHES	ANNUAL CRASH REDUCTION	SOCIETY DELAY BENEFIT (2024 DOLLARS)	DELAY B/C RATIO	SOCIETY DELAY BENEFIT (2024 DOLLARS)	DELAY B/C RATIO	% CHANGE IN SAFETY BENEFIT	% CHANGE IN TOTAL CRASH REDUCTION	% CHANGE IN DELAY BENEFIT
40 (SR-3/IR-71 NORTHBOUND RAMPS)	Existing	Keep as is.	-	Expected	-	-	2.677	-	-	-	2.344	-	-	-	-	-	-	-	-
	A, B	Add a northbound left turn lane on SR-3 and a receiving lane on the IR-71 northbound on-ramp.	$1,327,000		$329,032	0.25	2.008	-0.669	$274,588	0.21	1.772	-0.572	$7,907,572	5.96	$10,428,374	7.86	-16.5%	-14.5%	31.9%
	A-1	Add a northbound left turn lane and southbound right turn lane on SR-3 and a receiving lane on the IR-71 northbound on-ramp.	$1,631,000		$329,032	0.20	2.008	-0.669	$274,588	0.17	1.772	-0.572	$8,478,090	5.20	$10,943,018	6.71	-16.5%	-14.5%	29.1%
30 (SR-3/W 130TH ST)	Existing	Keep as is.	-	Expected	-	-	0.973	-	-	-	0.837	-0.136	-	-	-	-	-	-4%	-
	A	Add a southbound right turn lane on 130th Street.	$80,000		$116,011	1.45	0.814	-0.159	$100,423	1.26	0.700	-0.137	$748,669	9.36	$216,817	2.71	-13.4%	-13.9%	-71.0%
10 (SR-94/SR-3)	Existing	Keep as is.	-	Predicted	-	-	7.938	-	-	-	7.038	-0.900	-	-	-	-	-	-	-
	B-1, B-2, B-2a, C	Add a roundabout with two northbound SR-94 through lanes.	$4,378,000		$2,610,874	0.60	1.942	-5.996	$2,328,186	0.53	1.713	-5.326	$30,039,018	6.86	$2,916,043	0.67	-10.8%	-11.2%	-90.3%
240-250 (SR-94, REMSEN ROAD, & IR-271 SOUTHBOUND RAMPS)	Existing	Keep as is.	-	Predicted	-	-	4.976	-	-	-	4.431	-0.545	-	-	-	-	-	-3%	-
	A	At SR-94 & Remsen Rd., add a roundabout with two northbound SR-94 through lanes of which one is a bypass lane from the IR-271 southbound off-ramp. At IR-271 exit ramp maintain traffic signals at the intersection and add two IR-271 southbound right turn lanes onto SR-94.	$3,724,000		$2,041,363	0.55	2.575	-2.401	$1,791,897	0.48	2.332	-2.099	#240: $57,029,495 #250: $23,123,706	21.52	#240: $73,144,997 #250: $4,790,391	20.93	-12.2%	-12.6%	-2.8%
	B-1	Add a roundabout with two northbound SR-94 through lanes of which one is a bypass lane from the IR-271 southbound off-ramp. Add a roundabout with two IR-271 southbound off-ramp lanes of which one is a bypass lane to northbound SR-94 north of Remsen Road.	$5,088,000		$2,529,592	0.50	2.002	-2.974	$2,209,310	0.43	1.868	-2.563	#240: $62,580,017 #250: $23,123,706	16.84	#240: $76,175,261 #250: $4,790,391	15.91	-12.7%	-13.8%	-5.5%
	B-2a	Combine SR-94, Remsen Road, and IR-271 SB exit ramp into on 5-point PEANUT roundabout	$4,668,000		$2,558,624	0.55	2.288	-2.689	$2,229,124	0.48	2.105	-2.325	#240: $56,805,800 #250: $26,173,087	17.78	#240: $77,993,876 #250: $5,867,243	17.97	-12.9%	-2%	1.1%
230 (SR-94/IR-271 NORTHBOUND RAMPS)	Existing	Keep as is.	-	Predicted	-	-	1.163	-	-	-	0.944	-0.219	-	-	-	-	-	-5%	-
	A, B-1, B-2, B-2a, C	Add a roundabout with a SR-94 northbound right turn lane onto the IR-271 northbound on-ramp.	$3,000,000		$267,468	0.09	0.785	-0.378	$289,395	0.10	0.739	-0.205	$25,834,770	8.61	$2,592,415	0.86	8.2%	-45.7%	-90.0%
250 (SR-94/REMSEN ROAD (NORTH OF IR-271))	Existing	Keep as is.	-	Expected	-	-	2.080	-	-	-	-	-	-	-	-	-	-	-	-
	Medium Term	Add SR-94 northbound left-turn lane at Remsen Road	$692,000		$645,407	0.93	1.218	-0.862	-	-	-	-	$19,249,267	27.82	-	-	-	-	-
70 (SR-3/FOSKETT ROAD/REMSEN ROAD)	Existing	-	-	Expected	-	-	10.554	-	-	-	-	-	-	-	-	-	-	-	-
	A, B	Add left turn lanes on NB and SB SR-3 and signalize the intersection.	$1,353,000		$1,493,342	1.10	7.071	-3.483	-	-	-	-	-$596,682	-0.44					
IR-71/IR-271	Existing	keep as is.	-	Predicted	Not included in option				-	-	22.323	-	Not Included in Option		-	-			
	3,4	IR-71/IR-271 Interchange Ramps	$61,400,000						$148,281	0.002	21.961	-0.478			$109,825,000	1.79			

Summary	all	Preferred Corridor alternatives summed together	Summed Preferred Cost	Predicted/Expected	Summed Preferred Safety Benefit	Combined Preferred Safety Benefit		Summed Crash Reduction	Summed Preferred Safety Benefit W/Ramps	Combined Preferred Safety Benefit		Summed Crash Reduction W/Ramps	Summed Preferred Delay Benefit	Combined Preferred Delay Benefit	Summed Preferred Delay Benefit W/Ramps	Combined Preferred Safety Benefit
			$17,326,000		$7,375,351	0.43		-9.890	$6,863,339	0.09		-9.043	$111,544,781	6.44	$178,026,662	2.26

Preliminary Matrix

						SAFETY AND CRASH DATA					LOS AND DELAY DATA		
CORRIDOR	INT. #	ALT(s)	DESCRIPTION	ESTIMATED PROJECT COST (2024 DOLLARS)	SOCIETY SAFETY BENEFIT FROM ECAT (2024 DOLLARS)	SAFETY B/C RATIO	ECAT CRASH ANALYSIS METHOD	NO. OF ANNUAL CRASHES	CHANGE IN NO. OF ANNUAL CRASHES	SOCIETY DELAY BENEFIT FROM ICE (2024 DOLLARS)	DELAY B/C RATIO	2050 LEVEL OF SERVICE (AM PEAK)	2050 LEVEL OF SERVICE (PM PEAK)
I-71/I-271 INTERCHANGE													
I-71 northbound to I-271 northbound		Existing	Keep as is.	-	-	-	Predicted	2.662	-	-	-	-	-
		1	Smooth horizonal curve to 55 mph design speed	$4,060,000	$95,624	0.02		2.586	-0.076	~ $0	0.00	-	-
		2	Smooth horizonal curve to 65 mph design speed	$11,348,000	$112,710	0.01		2.567	-0.095	~ $0	0.00	-	-
I-71 southbound to I-271 northbound		Existing	Keep as is (no interchange ramp diversion)	-	-	-	Predicted	22.312	-	-		-	-
		3	Contruct a new single-lane ramp with 55 mph design speed with bridge over I-71	$54,564,000	**-$514,690**	0.003		1.552	+1.552	$13,402,000	2.06	**← Operations Benefit from Diverted Traffic**	
			Existing SR 3/94 corridor (with ramp traffic diversion)		$651,807			20.837	-1.475	$98,958,000		**← Operations Benefit on Existing SR 3/SR 94**	
I-71 southbound to I-271 northbound and I-271 southbound to I-71 northbound combined		Existing	Keep as is (no interchange ramp diversion)	-	-	-	Predicted	22.312	-	-	-	-	-
		3 & 4	Construct both alternatives 3 and 4.	$61,400,000	**-$890,144**	0.002		2.033	+2.033	$24,907,000	1.79	**← Operations Benefit from Diverted Traffic**	
			Existing SR 3/94 corridor (with ramp traffic diversion)		$1,038,425			19.928	-2.384	$84,918,000		**← Operations Benefit on Existing SR 3/SR 94**	
I-271 southbound to I-71 northbound		Existing	Keep as is (no interchange ramp diversion)	-	-	-	Predicted	22.312	-	-	-	-	-
		4	Contruct a new single-lane ramp with 55 mph design speed	$6,836,000	**-$375,454**	0.002		0.481	+0.481	$11,505,000	**-0.35**	**← Operations Benefit from Diverted Traffic**	
			Existing SR 3/94 corridor (with ramp traffic diversion)		$386,618			21.403	-0.909	**-$13,920,000**		**← Operations Benefit on Existing SR 3/SR 94**	
		5	Contruct a new single-lane ramp with 65 mph design speed	$9,192,000	**-$350,981**	0.004		0.449	+0.449	*Not available; alternative dismissed from further consideration.*		-	-
			Existing SR 3/94 corridor (with ramp traffic diversion)		$386,618			21.403	-0.909			-	-
I-271 southbound to I-71 southbound		Existing	Keep as is	-	-	-	Predicted	4.286	-	-	-	-	-
		6	Smooth horizonal curve to 55 mph design speed	$11,615,000	$4,992	0.0004		4.273	-0.013	~ $0	0.00	-	-
		7	Smooth horizonal curve to 65 mph design speed	$23,107,000	**-$59,656**	**-0.003**		4.461	+0.175	~ $0	0.00	-	-

				SAFETY AND CRASH DATA						LOS AND DELAY DATA			
CORRIDOR	INT. #	ALT(s)	DESCRIPTION	ESTIMATED PROJECT COST (2024 DOLLARS)	SOCIETY SAFETY BENEFIT FROM ECAT (2024 DOLLARS)	SAFETY B/C RATIO	ECAT CRASH ANALYSIS METHOD	NO. OF ANNUAL CRASHES	CHANGE IN NO. OF ANNUAL CRASHES	SOCIETY DELAY BENEFIT FROM ICE (2024 DOLLARS)	DELAY B/C RATIO	2050 LEVEL OF SERVICE (AM PEAK)	2050 LEVEL OF SERVICE (PM PEAK)
SR-3 CORRIDOR PROPOSED IMPROVEMENTS													
SR-3/West 130th Street	30	Existing	Keep as is.	-	-	-	Expected/ Predicted	0.973 / 0.730	-	-	-	Impeded Movements: LOS E or above	Impeded Movements: LOS F (SB)
		A	Add a southbound right turn lane on 130th Street	$80,000	$116,011	1.45	Expected	0.814	-0.159	$748,669	9.36	Impeded Movements: LOS E or above	Impeded Movements: LOS F (SB)
		B	Maintain two southbound SR-3 through lanes and add a roundabout.	$3,500,000	$357,922	0.10	Predicted	0.754	0.024	$138,962	0.04	LOS A	LOS A
SR-3/I-71 northbound ramps	40	Existing	Keep as is.	-	-	-	Expected	2.677	-	-	-	LOS E	LOS C
		A, B	Add a northbound left turn lane on SR-3 and a receiving lane on the I-71 northbound on-ramp.	$1,327,000	$329,032	0.25		2.008	-0.670	$7,907,572	5.96	LOS D	LOS C
		A-1	Add a northbound left turn lane and southbound right turn lane on SR-3 and a receiving lane on the I-71 northbound on-ramp.	$1,631,000	$329,032	0.20		2.008	-0.670	$8,478,090	5.20	LOS C	LOS C
SR-3/Foskett Road/Remsen Road	70	Existing	Keep as is	-	-	-	Expected	10.554	-	-	-	LOS C	LOS C
		A, B	Add left turn lanes on northbound and southbound SR-3 and signalize the intersection.	$1,353,000	$1,568,107	1.16		7.071	-3.483	**-$596,682**	**-0.44**	LOS C	LOS C

				SAFETY AND CRASH DATA						LOS AND DELAY DATA			
CORRIDOR	INT. #	ALT(s)	DESCRIPTION	ESTIMATED PROJECT COST (2024 DOLLARS)	SOCIETY SAFETY BENEFIT FROM ECAT (2024 DOLLARS)	SAFETY B/C RATIO	ECAT CRASH ANALYSIS METHOD	NO. OF ANNUAL CRASHES	CHANGE IN NO. OF ANNUAL CRASHES	SOCIETY DELAY BENEFIT FROM ICE (2024 DOLLARS)	DELAY B/C RATIO	2050 LEVEL OF SERVICE (AM PEAK)	2050 LEVEL OF SERVICE (PM PEAK)
SR-94 CORRIDOR PROPOSED IMPROVEMENTS													
SR-94/SR-3	10	Existing	Keep as is.	-	-	-	Expected/ Predicted	6.249/7.938	-	-	-	LOS F	LOS E
		A	Adjust signal phasing for traffic signals at the intersection and lengthen right turning lane on SR 3 NB	$167,000	$32,962	0.20	Expected	3.522	-0.071	**-$34,612,713**	**Less than -1**	LOS F	LOS E
		B-1, B-2, B-2a, C	Add a roundabout with two northbound SR-94 through lanes.	$4,378,000	$2,610,874	0.60	Predicted	1.942	-5.996	$30,039,018	6.86	LOS A	LOS A
SR-94/Remsen Road (north of I-271)	250	Existing	Keep as is.	-	-	-	Expected	2.175	-	-	-	Impeded Movements: LOS F (EB)	Impeded Movements: LOS F (EB)
		Medium-Term	Add SR-94 northbound left-turn lane at Remsen Road	$692,000	$645,407	0.93		1.218	-0.957	$19,249,267	27.82	Impeded Movements: LOS F (EB)	Impeded Movements: LOS F (EB)
SR-94, Remsen Rd., & I-271 Southbound Ramps	240-250	Existing	Keep as is.	-	-	-	Predicted	4.971	-	-	-	#240: LOS E #250: Impeded Movements: LOS F (EB)	#240: LOS F #250: Impeded Movements: LOS F (EB)
		A	At SR-94 & Remsen Rd., add a roundabout with two northbound SR-94 through lanes of which one is a bypass lane from the I-271 southbound off-ramp. At I-271 exit ramp maintain traffic signals at the intersection and add two I-271 southbound right turn lanes onto SR-94 northbound.	$3,724,000	$2,041,363	0.55		2.571	-2.400	#240: $57,029,495 #250: $23,123,706	21.52	#240: LOS C #250: LOS C	#240: LOS C #250: LOS B
		B-1	Add a roundabout with two northbound SR-94 through lanes of which one is a bypass lane from the I-271 southbound off-ramp. Add a roundabout with two I-271 southbound off-ramp lanes of which one is a bypass lane to northbound SR-94 north of Remsen Road.	$5,088,000	$2,529,592	0.50		2.002	-2.969	#240: $62,580,017 #250: $23,123,706	16.84	#240: LOS C #250: LOS C	#240: LOS A #250: LOS B
		B-2	Combine SR-94, Remsen Road, and I-271 SB exit ramp into on 5-point OVAL roundabout	$5,905,000	$2,558,624	0.43		2.288	-2.684	*Not available; alternative dismissed from further consideration.*			
		B-2a	Combine SR-94, Remsen Road, and I-271 SB exit ramp into on 5-point PEANUT roundabout	$4,668,000	$2,558,624	0.55		2.288	-2.684	#240: $64,805,800 #250: $26,173,087	19.49	LOS A	LOS A
		C	Add a cul-de-sac, removing the existing intersection #250 with SR-94 & Remsen Rd, and add a roundabout for intersection #240 with two I-271 southbound off-ramp lanes of which one is a right turn bypass lane onto SR-94 northbound.	$5,466,000	$2,635,360	*See overall benefit in bottom row.*		0.993	-3.978	*Not available; alternative dismissed from further consideration.*			
SR-94/I-271 northbound ramps	230	Existing	Keep as is.	-	-	-	Predicted	1.162	-	-	-	Impeded Movements: EB not defined	Impeded Movements: LOS F (EB)
		A, B-1, B-2, B-2a, C	Add a roundabout with a SR-94 northbound right turn lane onto the I-271 northbound on-ramp.	$3,000,000	$267,468	0.09		0.785	-0.377	$25,834,770	8.61	LOS D	LOS A
SR-94/Remsen Road, Melody Lane (north of I-271)	220	Existing, A, B-1, B-2, B-2a	Keep as is.	-	-	-	Predicted	2.335	-	-	-	Impeded Movements: LOS D or above	Impeded Movements: LOS D or above
		C	Convert to roundabout.	$4,640,000	$1,695,136	*See overall benefit in bottom row.*		1.414	-0.921	*Not available; alternative dismissed from further consideration.*		LOS A	LOS A