COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-48.20	R1

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

PLANS OF
PROPOSED PROJECT
JEFFERSON COUNTY
I–71 AUXILIARY LANES
NH 0711 (104)
THESE PLANS ARE FOR GRADE, DRAIN, & SURFACING

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
R1	LAYOUT SHEET
R2 - R2J	TYPICAL SECTIONS-SUMMARY OF QUANTITIES
R3 - R23	PLAN AND PROFILE SHEETS
R24 - R24H	DETAIL SHEETS
R25 - R25I	TRAFFIC CONTROL SHEETS
R26 - R26J	EROSION CONTROL SHEETS
R27 - R27C	COORDINATE CONTROL SHEETS
R28 - R28B	SOIL PROFILE SHEETS
R29 - R29C	PIPE DRAINAGE SHEETS
T1 - T40	TRAFFIC PLANS
X1 - X94	CROSS SECTION SHEETS

TOTAL SHEETS

(R) ROADWAY	29
(S) STRUCTURE	0
(T) TRAFFIC	40
(U) UTILITY	0
(X) CROSS SECTION	94

SHEETS NOT INCLUDED IN TOTAL SHEETS

R2A-R2J, R9A, R9B, R24A-R24H,R25A-R25I, R26A-R26J, R27A-R27C, R28A, R28B, R29A-R29C

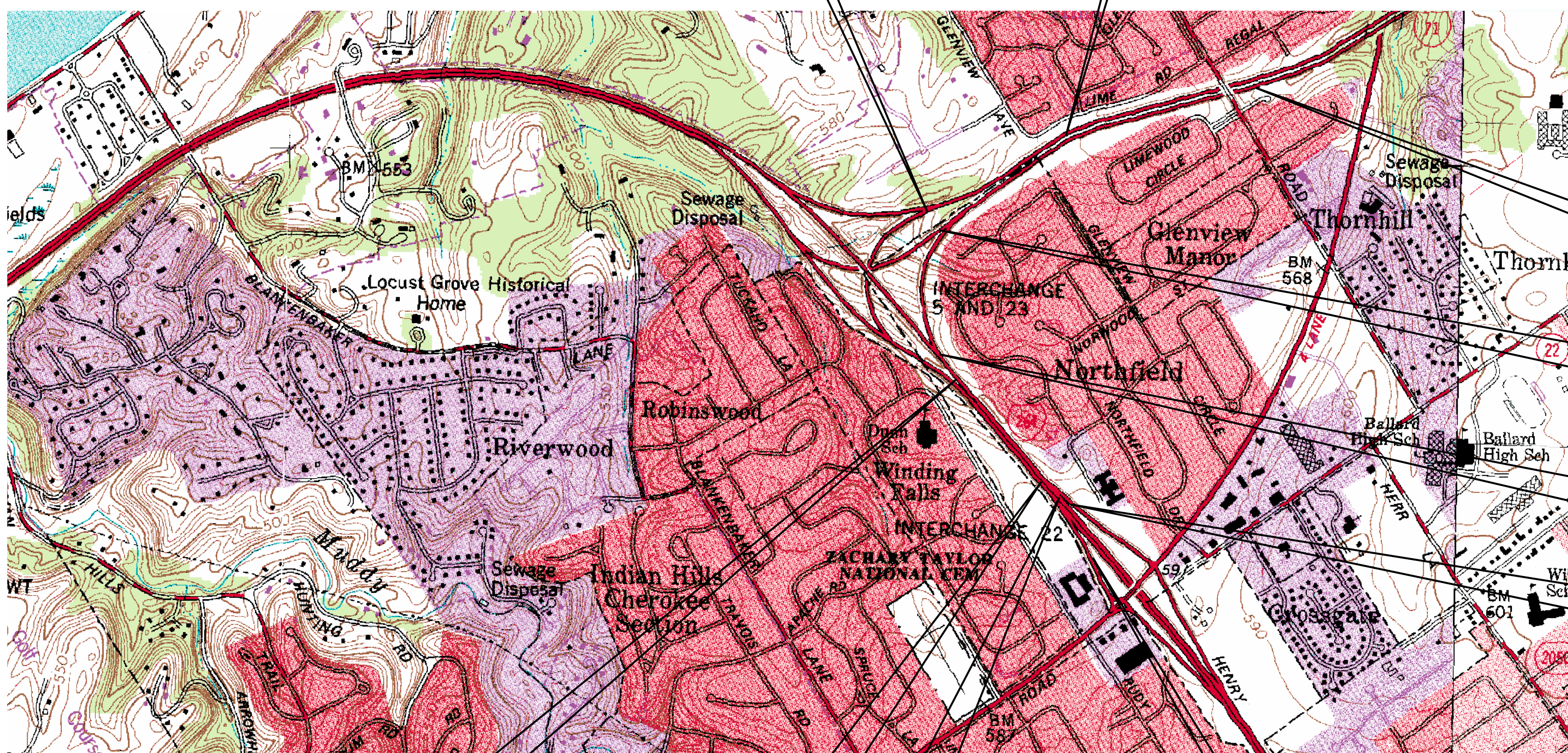
STANDARD DRAWINGS

NUMBER

BHS-008	RDI-020-08
RBC-001-09	RDI-021
RBC-002-01	RDI-025-04
RBC-003-07	RDI-026
RBE-100-09	RDI-035-01
RBI-001-09	RDM-010-05
RBI-002-06	RDM-011-04
RBI-003-07	RDM-012-02
RBI-004-03	RDM-013-03
RBI-006-06	RDM-100-02
RBR-001-11	RDP-001-05
RBR-005-10	RDP-005-04
RBR-010-05	RDP-006-03
RBR-015-04	RDP-010-08
RBR-016-04	RDX-060-03
RBR-020-03	RDX-065-03
RBR-025-03	RDX-160-05
RBR-035-08	RDX-210-02
RBM-020-08	RDX-215
RBM-130-03	RDX-225
RBM-115-08	RDX-230
RDB-105-05	RGS-001-06
RDB-106-04	RGS-002-05
RDB-280-05	RGX-001-05
RDB-281-02	RGX-065
RDB-282-03	RPM-100-09
RDB-283-03	RPS-010-10
RDB-400-04	RPX-010-04
RDB-410-05	RPX-015-03
RDD-040-04	RPX-020-05
RDH-020-03	TTC-120-01
RDI-001-08	TTC-135-01
RDI-002-03	TPM-105-01
RDI-003-03	TPM-125-01
RDI-004-03	TPM-135-01
RDI-005-03	
RDI-006-03	
RDI-007-03	
RDI-008-03	
RDI-011-02	
RDI-012-02	
RDI-016-02	

END CONSTRUCTION STA. 533+20 I-71 SB

BEGIN CONSTRUCTION STA. 517+00 I-71 SB



END CONSTRUCTION STA. 243+00 I-71 NB

BEGIN CONSTRUCTION STA. 207+00 I-71 NB

END CONSTRUCTION STA. 421+00 I-264 EB

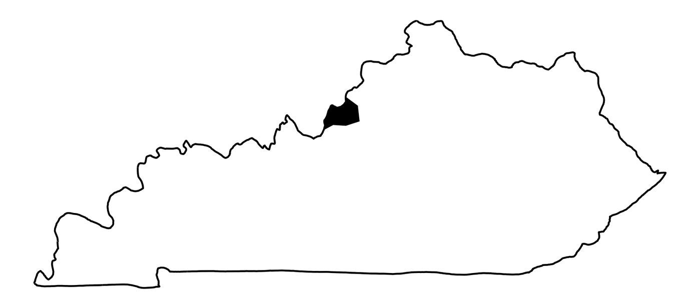
BEGIN CONSTRUCTION STA. 400+60 I-264 EB

BEGIN CONSTRUCTION STA. 304+95 I-264 WB

BEGIN CONSTRUCTION STA. 3018+58 I-264 WB RAMP TO U.S. 42

END CONSTRUCTION STA. 321+00 I-264 WB

END CONSTRUCTION STA. 3028+00 I-264 WB RAMP TO U.S. 42



THIS PROJECT IS A FULLY CONTROLLED ACCESS HIGHWAY

THIS PROJECT IS ON THE NH SYSTEM

LAYOUT MAP

0 1000 2000 3000 4000

SCALE IN FEET

DESIGN CRITERIA

CLASS OF HIGHWAY URBAN INTERSTATE
TYPE OF TERRAIN ROLLING
DESIGN SPEED 50 MPH
REQUIRED NPSD 425'
REQUIRED PSD N/A
LEVEL OF SERVICE C/D
ADT PRESENT (2009) I-264 - 57,400 I-71 - 69,000
ADT FUTURE (2020) I-264 - 60,300 I-71 - 72,400
DHV I-264 - 5111 I-71 - 8051
D %
T % 19

GEOGRAPHIC COORDINATES

LATITUDE 38 DEGREES 17 MINUTES 03 SECONDS NORTH
LONGITUDE 85 DEGREES 38 MINUTES 28 SECONDS WEST

DESIGNED

% RESTRICTED SD N/A
LEVEL OF SERVICE N/A
MAX. DISTANCE W/O PASSING N/A

I-264 WB
LENGTH 1605 LIN. FT. 0.303 MILES
ADDED / DEDUCTED FOR EQUALITIES ____ LIN. FT. NOT INCLUDED
RAILROAD CROSSINGS NO. ____ LIN. FT.
BRIDGES ____ LIN. FT.

I-264 WB RAMP TO U.S.42
LENGTH 942 LIN. FT. 0.178 MILES
ADDED / DEDUCTED FOR EQUALITIES ____ LIN. FT. NOT INCLUDED
RAILROAD CROSSINGS NO. ____ LIN. FT.
BRIDGES ____ LIN. FT.

I-264 EB
LENGTH 2040 LIN. FT. 0.386 MILES
ADDED / DEDUCTED FOR EQUALITIES ____ LIN. FT. NOT INCLUDED
RAILROAD CROSSINGS NO. ____ LIN. FT.
BRIDGES ____ LIN. FT.

I-71 NB
LENGTH 3600 LIN. FT. 0.681 MILES
ADDED / DEDUCTED FOR EQUALITIES ____ LIN. FT. NOT INCLUDED
RAILROAD CROSSINGS NO. ____ LIN. FT.
BRIDGES ____ LIN. FT.

I-71 SB
LENGTH 1620 LIN. FT. 0.306 MILES
ADDED / DEDUCTED FOR EQUALITIES ____ LIN. FT. NOT INCLUDED
RAILROAD CROSSINGS NO. ____ LIN. FT.
BRIDGES ____ LIN. FT.

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF
JEFFERSON

ITEM NO. 5-48.20
PROJECT NUMBER: NH 0711 (104)
FD52 056 0071 003-006
LETTING DATE: MAY 18, 2012

RECOMMENDED BY: Paul Davis DATE: MAR. 16, 2012
PROJECT MANAGER
PLAN APPROVED BY: DATE: APR. 02, 2012
STATE HIGHWAY ENGINEER

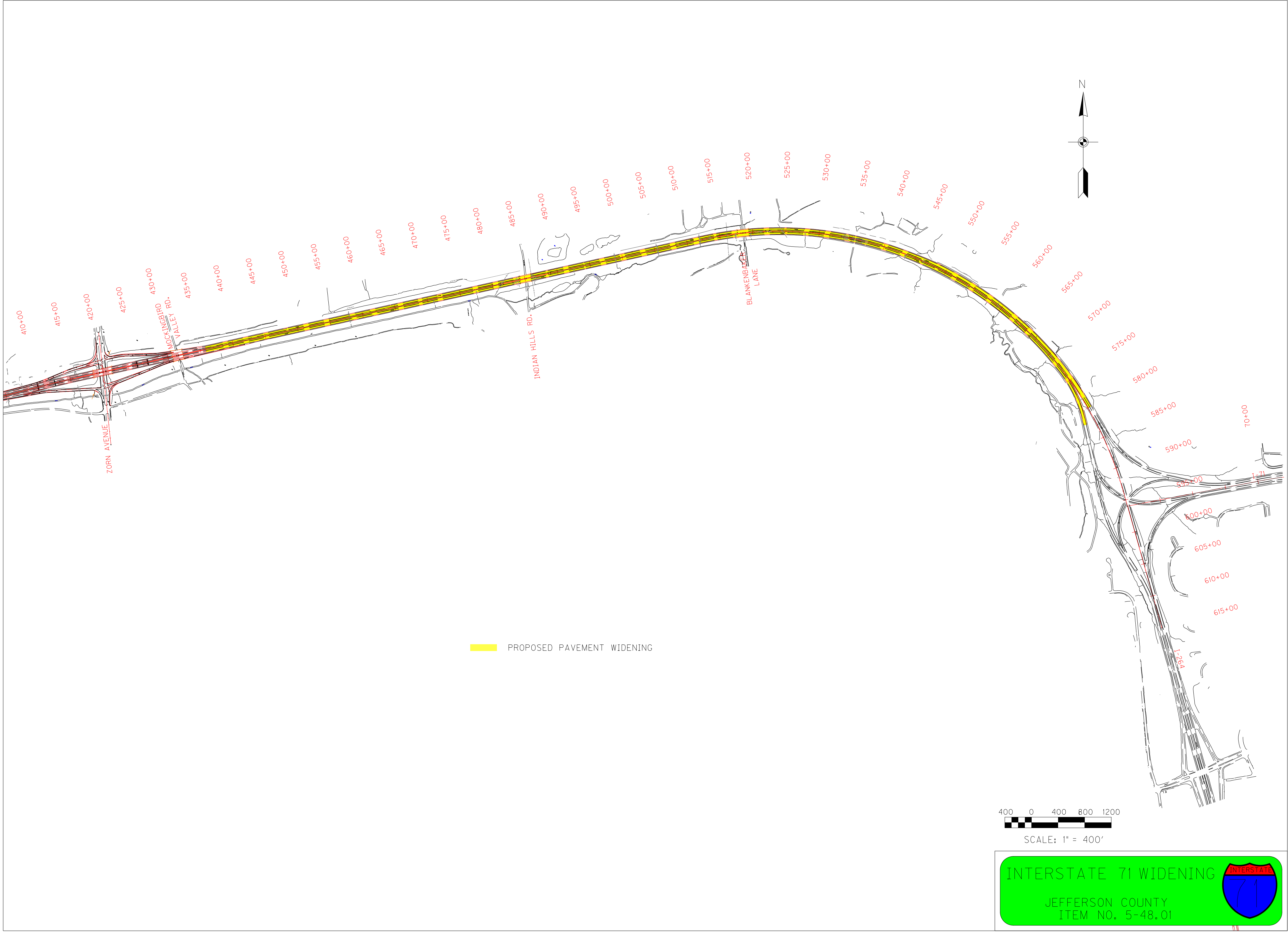
HNTB
One Riverfront Plaza
401 W. Main Street
Suite 601
Louisville, Kentucky 40202
(502) 581-0985

STATE OF KENTUCKY
JACOB ADAM STREMMEL
22597
LICENSED PROFESSIONAL ENGINEER

DATE | NO. SETS | RECORD PLANS | CONSTRUCTION PLANS

REVIEWED BY ____ DIVISION OF CONSTRUCTION

USER: rstriegel
DATE: 21-MAR-2012
FILE NAME: 1P_PWP:dms10798\R00100LS.dgn
E-SHEET NAME:



N
410+00
415+00
420+00
425+00
430+00
435+00
440+00
445+00
450+00
455+00
460+00
465+00
470+00
475+00
480+00
485+00
490+00
495+00
500+00
505+00
510+00
515+00
520+00
525+00
530+00
535+00
540+00
545+00
550+00
555+00
560+00
565+00
570+00
575+00
580+00
585+00
590+00
605+00
610+00
615+00
70+00
ZORN AVENUE
MOCKINGBIRD VALLEY RD.
INDIAN HILLS RD.
I-71
I-264
PROPOSED PAVEMENT WIDENING
400 0 400 800 1200
SCALE: 1" = 400'
INTERSTATE 71 WIDENING
JEFFERSON COUNTY
ITEM NO. 5-48.01
INTERSTATE

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON		

I-71 from I-264 to I-265(Exit 5 to Exit 9):

Improvements include the following:

Adding a lane in each direction. Six-Lane typical sections include 30 ft.-8in median with barrier (12 ft. inside shoulders for Bifurcated sections) and 6 - 12 ft. lanes with 12 ft. shoulders.

6:1 foreslopes with 30' clear zone. This would not affect the existing right-of way.

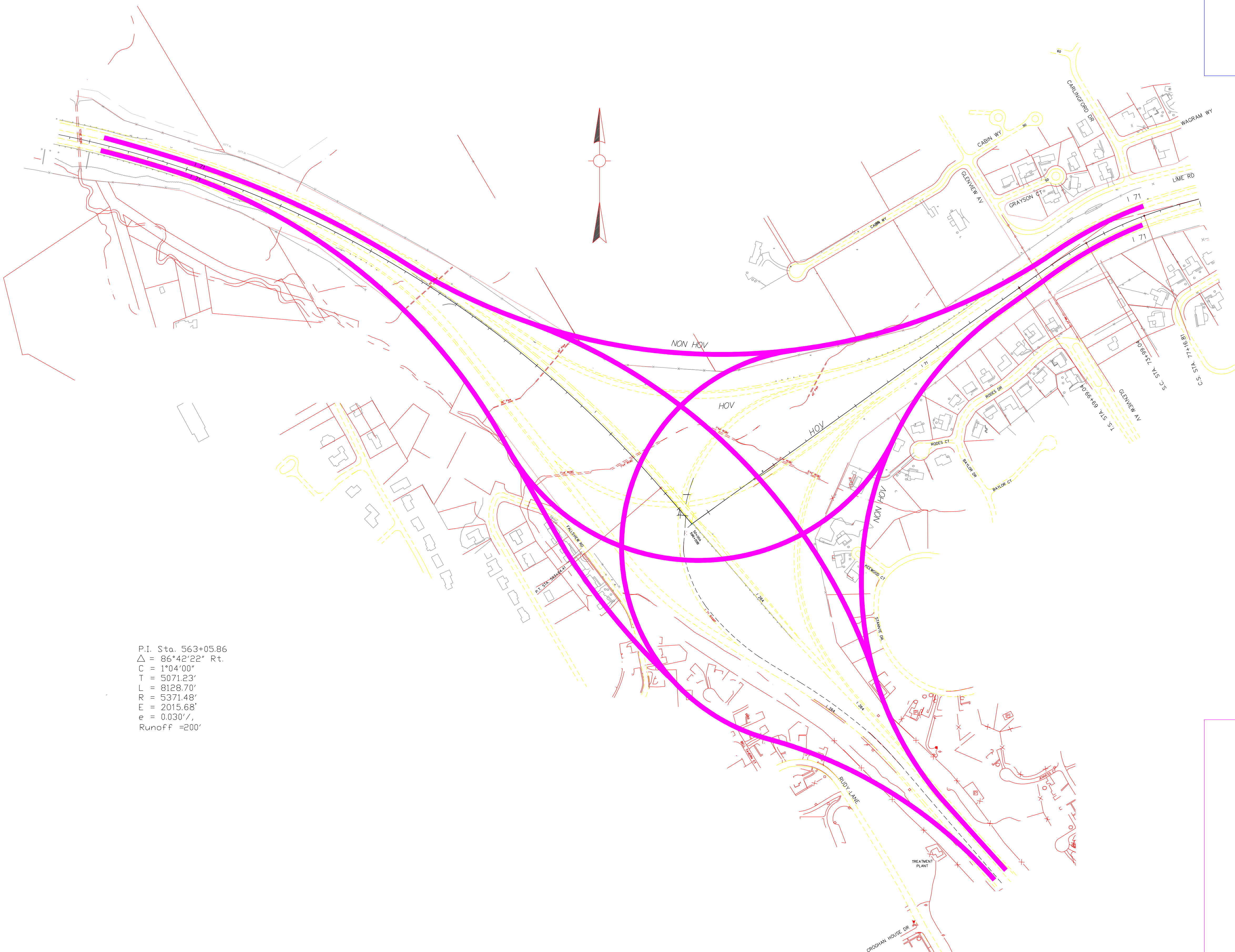
I-71 & I-265 INTERCHANGE SCHEME 2

FILE NAME: U:\13401 - I-71 CORRIDOR STUDY\EXHIBITS\I-71FROMI-264TOI-265.DGN

USER: cooper
DATE PLOTTED: December 30, 2013

E-SHEET NAME:

MicroStation v8.11.7.443



400 200 0 200 400
FEET
Graphic Scale

CURVE DATA

P.I. STA. 75+62.80
△ = 21°32'00" Rt.
C = 3°00'00"
Ts = 563.76'
Ls = 400.00'
Lc = 317.78'
θ = 6°00'00"
LT = 266.82'
ST = 133.47'
R = 1909.86'
Es = 37.88'
e = 0.083'/.
Runoff =
Runout =

P.I. Sta. 563+05.86
△ = 86°42'22" Rt.
C = 1°04'00"
T = 5071.23'
L = 8128.70'
R = 5371.48'
E = 2015.68'
e = 0.030'/.
Runoff =200'

Interchange configuration to accomodate HOV lanes as seperate movements.

Figure 15

I-71 / I-264 INTERCHANGE RECONSTRUCTION FOR DIRECTIONAL HOV LANES

I-71 WIDENING STUDY
JEFFERSON COUNTY, KENTUCKY

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON/ OLDHAM	99-394.00	

I-71 from I-265 to KY 329 (Exit 9 to Exit 14):
5.8 miles from MP 9.2 to MP 14.99
(Sta. 266+50 to Sta. 574+28)

Improvements include the following:

Adding a lane in each direction. Six-Lane typical sections include 30 ft.-8in median with barrier (12 ft. inside shoulders for Bifurcated sections) and 6 - 12 ft. lanes with 12 ft. shoulders.

6:1 foreslopes with 30' clear zone. This would not affect the existing right-of way.

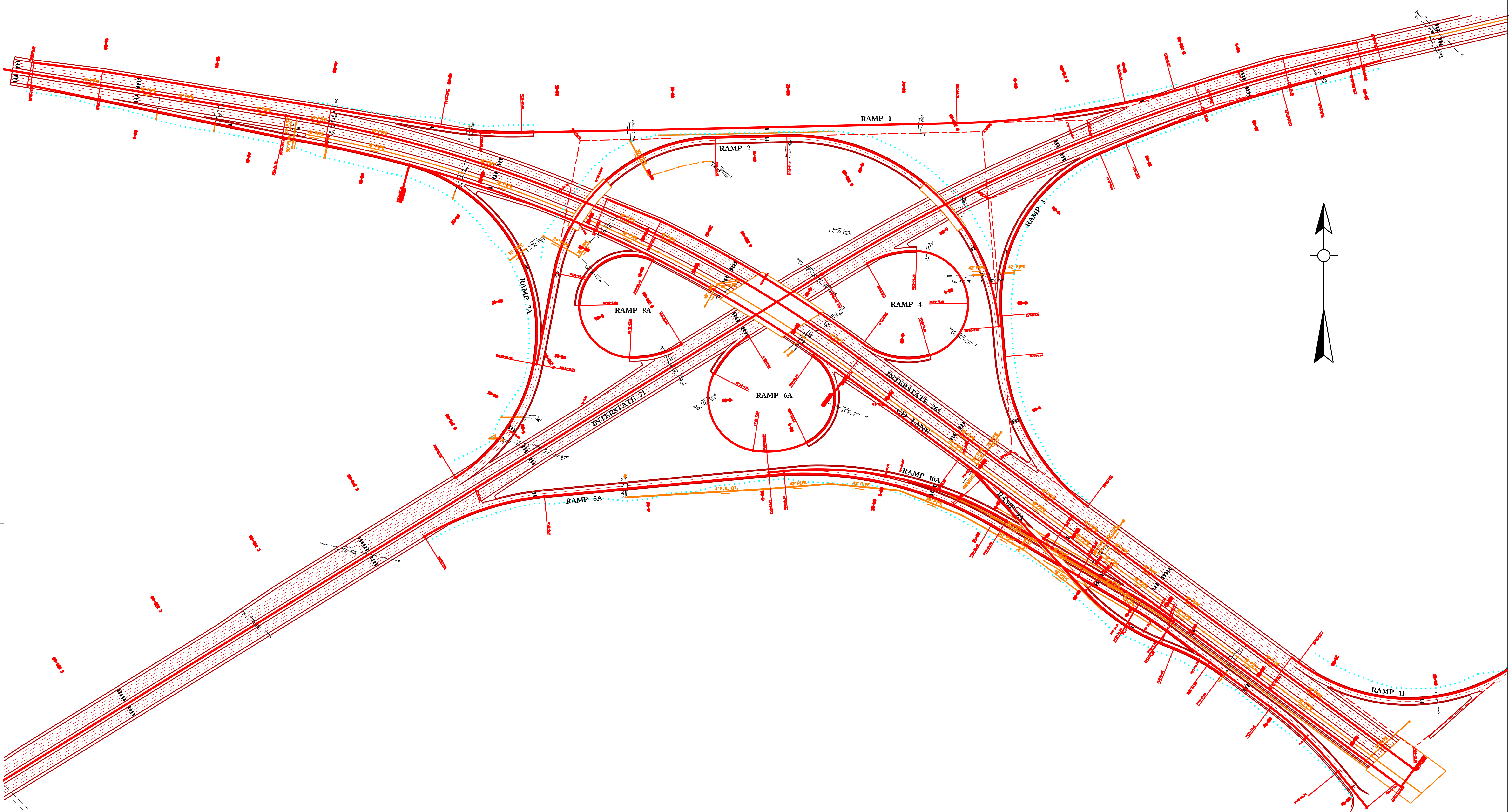
Replacing 5 Bridge structures above Chamberlain Lane (1), N. Hitt Lane (2), KY 329 (2).

Cross slope correction for 70 mph design speed per 2011 AASHTO Geometric Design Policy. 6 curves have deficient cross slopes (1, 3a/b, 4, 5 a/b, 6 a/b, 7 a/b).

TOTAL COST: $46,086,000

I-71 CORRIDOR STUDY
IMPROVEMENT ALTERNATE
I-71 FROM I-265 TO KY 329

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON		



SCALE: 1"=200'

I-71 & I-265 INTERCHANGE
SCHEME 2

FILE NAME: C:\00109\BRIDGES\ESTIMATE\20131211_SCHEME 2 TO ANNETTE.DGN

USER: cooper
DATE PLOTTED: December 11, 2013

E-SHEET NAME:

MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
OLDHAM	99-394.00	

I-71 from KY 329 to KY 146 (Exit 14 to Exit 17):
2.5 miles from MP 14.99 to MP 17.53
(Sta. 574+88 to Sta. 708+09)

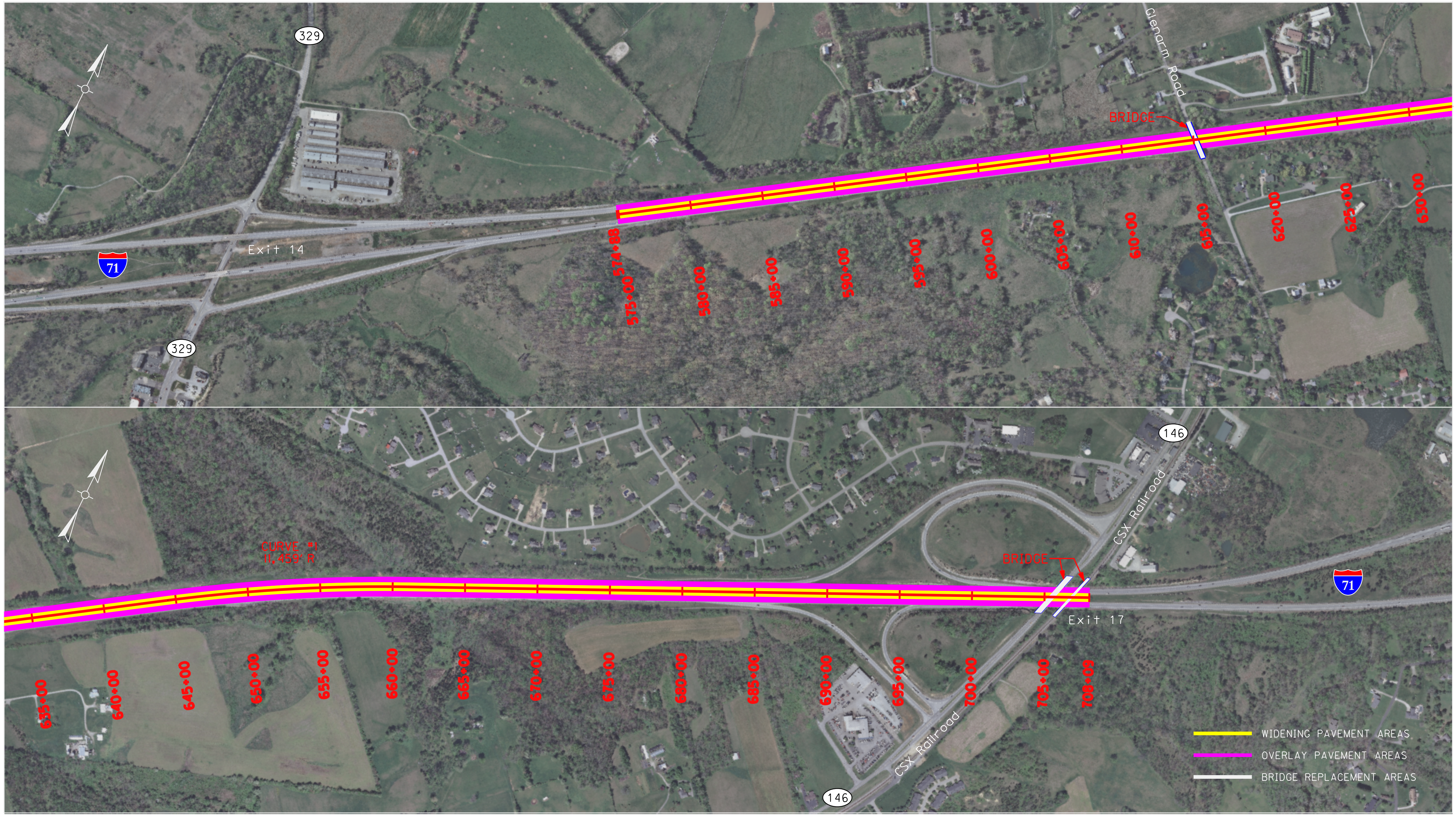
Improvements include the following:

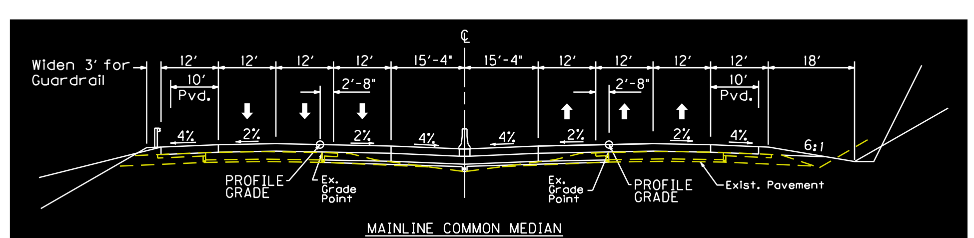
Adding a lane in each direction. Six-Lane typical sections include 30 ft.-8in median with barrier and 6 - 12 ft. lanes with 12 ft. shoulders.

6:1 foreslopes with 30' clear zone. This would not affect the existing right-of-way.

Replacing 3 Bridge overpass structures at Glenarm Road (1), KY 146 (1), and the CSX Railroad (1).

TOTAL COST: $21,652,000





MAINLINE COMMON MEDIAN
STA. 574+88 TO STA. 708+09

0' 400' 800' 1600'

SCALE: 1"=800'

I-71 CORRIDOR STUDY
IMPROVEMENT ALTERNATE
I-71 FROM KY 329 TO KY 146

FILE NAME: U:\13401 - I-71 CORRIDOR STUDY\ROADWAY\PLANS\146 TO 329.DGN

USER: agilley
DATE PLOTTED: August 15, 2013

E-SHEET NAME:

MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
OLDHAM	99-394.00	

I-71 from KY 146 to KY 393 (Exit 17 to Exit 18):
1.0 miles from MP 17.53 to MP 18.59
(NB Sta. 709+09 to Sta. 761+15)
(SB Sta. 709+09 to Sta. 762+91)

Improvements include the following:

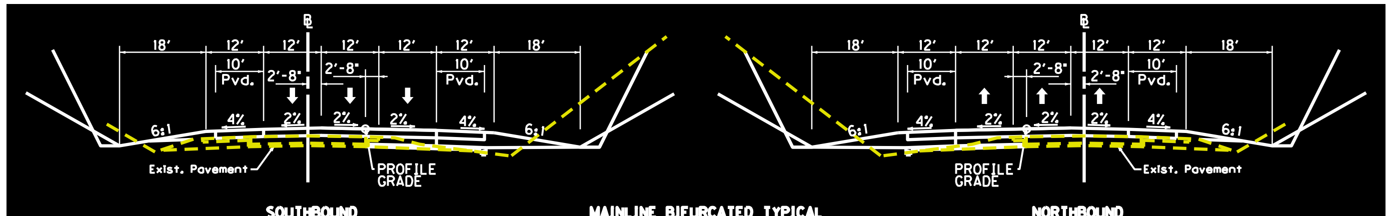
Adding a lane in each direction. Six-Lane typical sections include 30 ft.-8in median with barrier (12 ft, inside shoulders for Bifurcated sections) and 6 - 12 ft. lanes with 12 ft. shoulders.

6:1 foreslopes with 30' clear zone. This would not affect the existing right-of-way.

Replacing 2 Bridge structures over KY 393.

TOTAL COST: $16,000,000

THIS SECTION WILL BE COMPLETED AS PART OF THE KY 329 TO KY 146 OR KY 393 TO KY 53 PROJECTS



MAINLINE BIFURCATED TYPICAL
NB STA. 708+09 TO STA. 761+15
SB STA. 708+09 TO STA. 762+91

0' 400' 800' 1600'

SCALE: 1"=800'

I-71 CORRIDOR STUDY
IMPROVEMENT ALTERNATE
I-71 FROM KY 146 TO KY 393

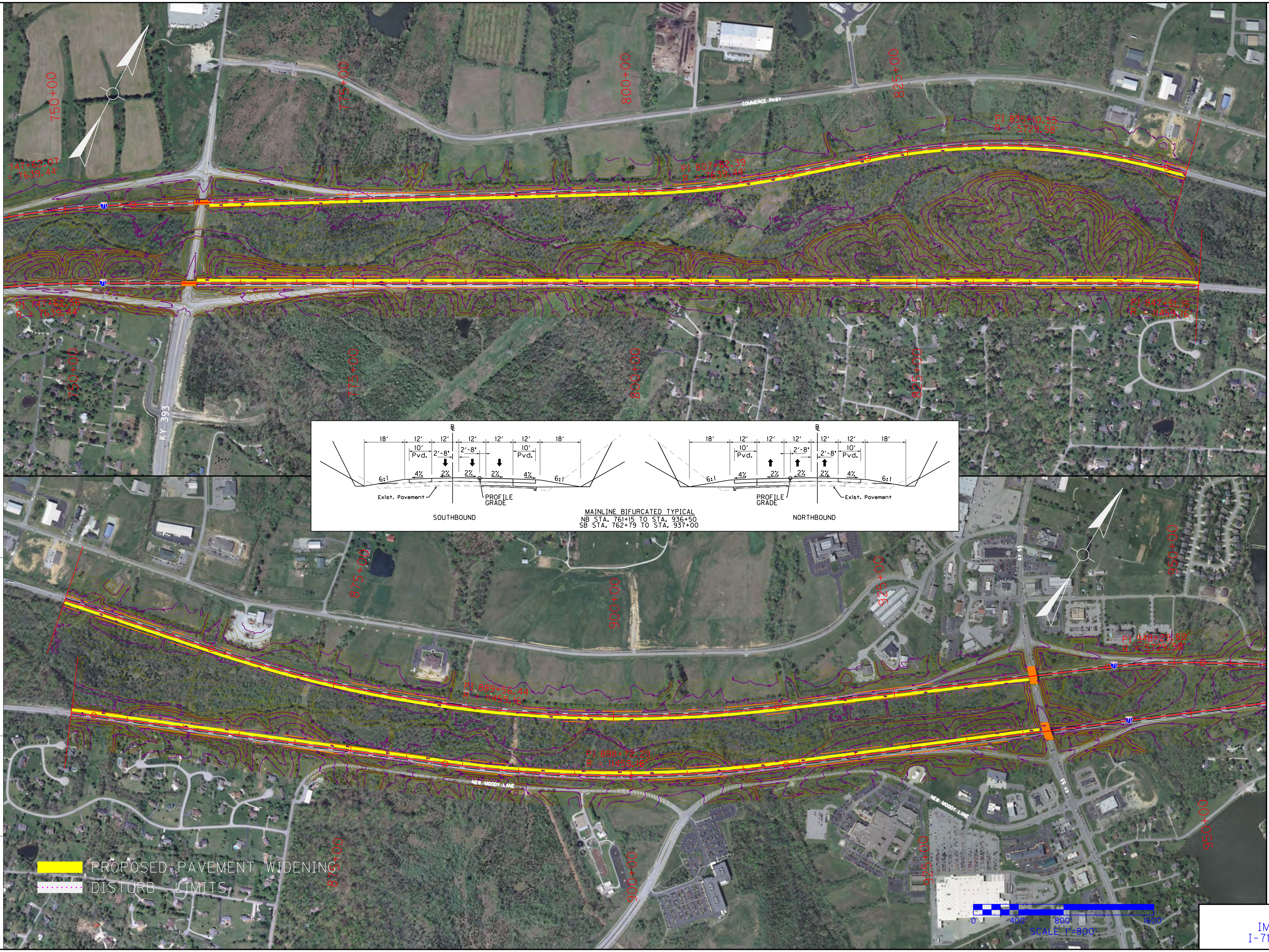
FILE NAME: U:\13401 - I-71 CORRIDOR STUDY\ROADWAY\PLANS\146 TO 393.DGN

USER: agilley
DATE PLOTTED: December 13, 2013

E-SHEET NAME:

MicroStation v8.11.7.443

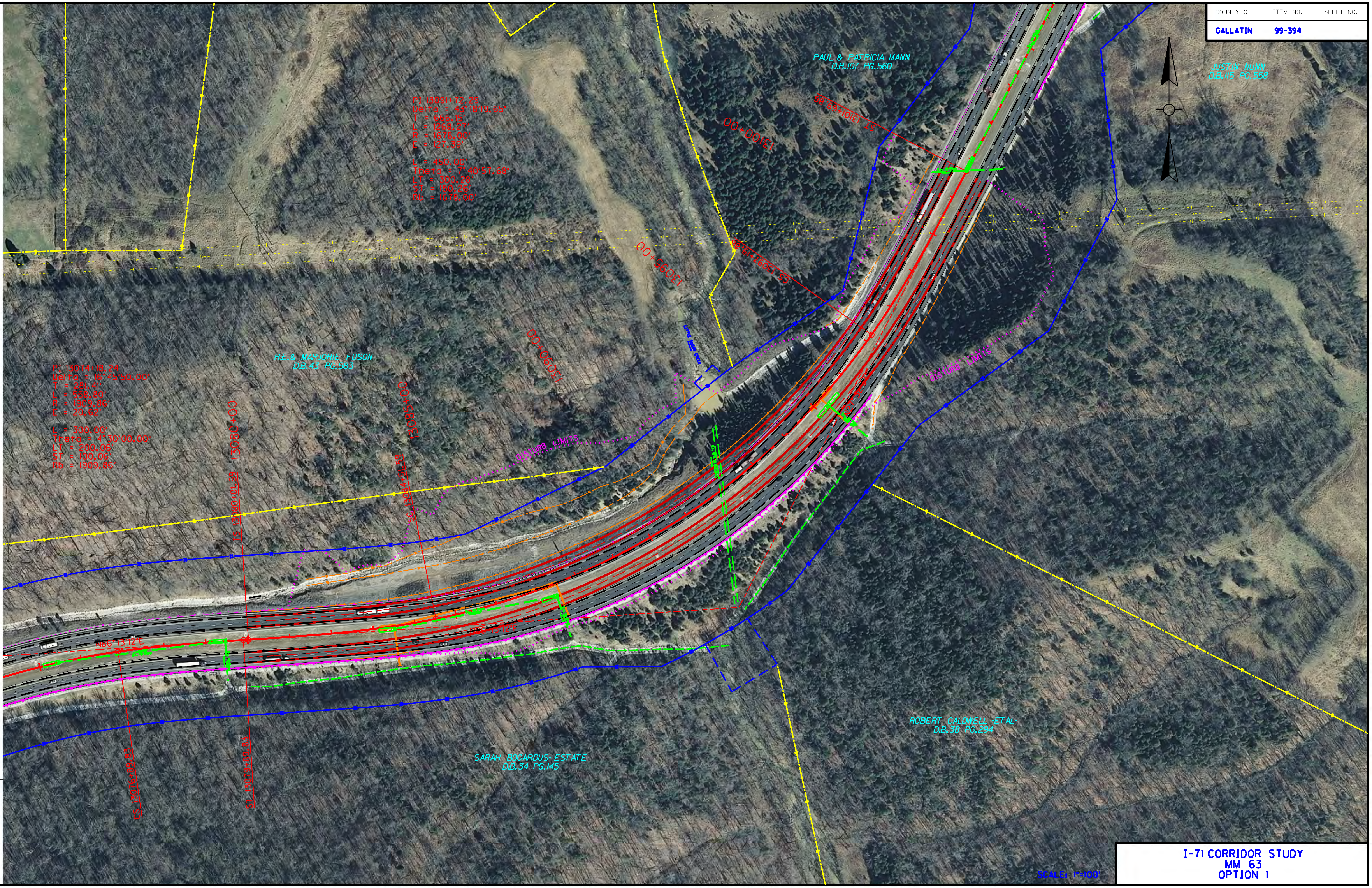
COUNTY OF	ITEM NO.	SHEET NO.
OLDHAM	99-394	



I-71 CORRIDOR STUDY
IMPROVEMENT ALTERNATE
I-71 FROM KY 393 TO KY 53

FILE NAME: T:\13401 - I-71 CORRIDOR STUDY\DGN\KY 393 TO KY 53\KY 393 TO KY 53 EXHIBIT.DGN
USER: johnson
DATE PLOTTED: November 5, 2013
E-SHEET NAME:
MicroStation v8.11.9.357

COUNTY OF	ITEM NO.	SHEET NO.
GALLATIN	99-394	



I-71 CORRIDOR STUDY
MM 63
OPTION 1

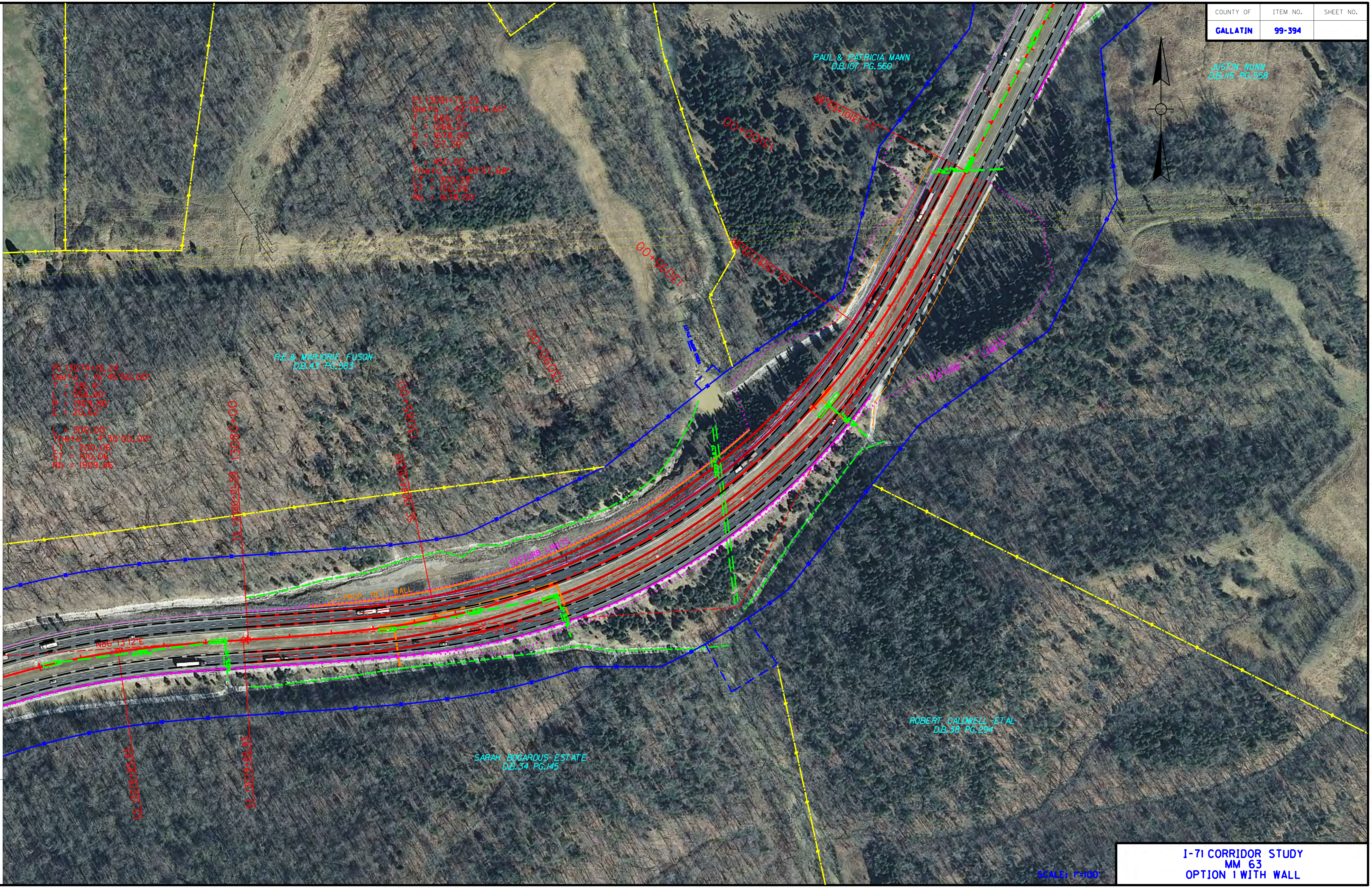
FILE NAME: T:\13401 - I-71 CORRIDOR STUDY\DGN\MM63\OPT 1\OPT 1 MM63.DGN

USER: johnson
DATE PLOTTED: August 14, 2013

E-SHEET NAME:

MicroStation v8.11.9.357

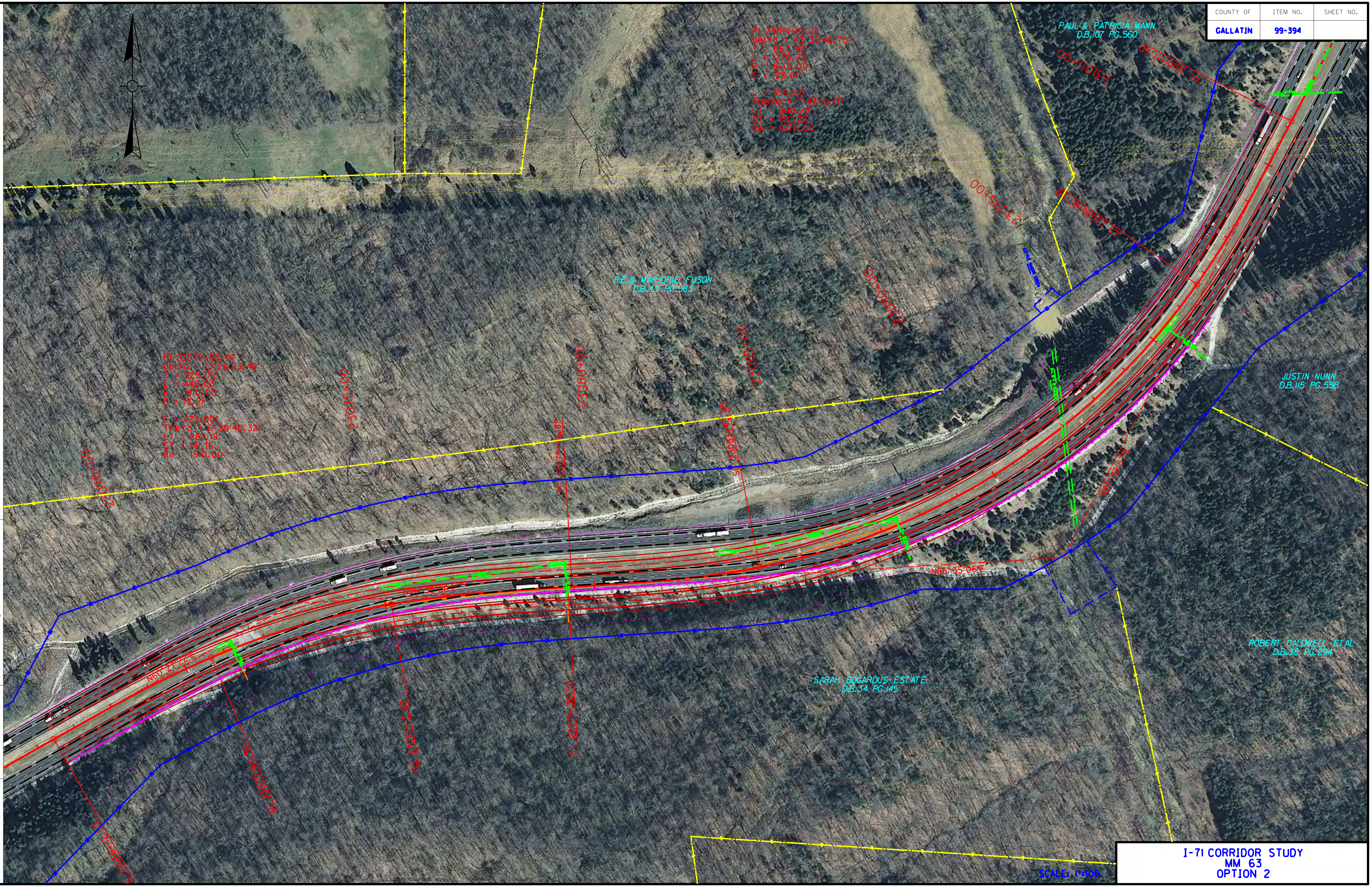
COUNTY OF	ITEM NO.	SHEET NO.
GALLATIN	99-394	



I-71 CORRIDOR STUDY
MM 63
OPTION 1 WITH WALL

USER: Johnson
DATE PLOTTED: August 14, 2013

COUNTY OF	ITEM NO.	SHEET NO.
GALLATIN	99-394	



I-71 CORRIDOR STUDY
MM 63
OPTION 2

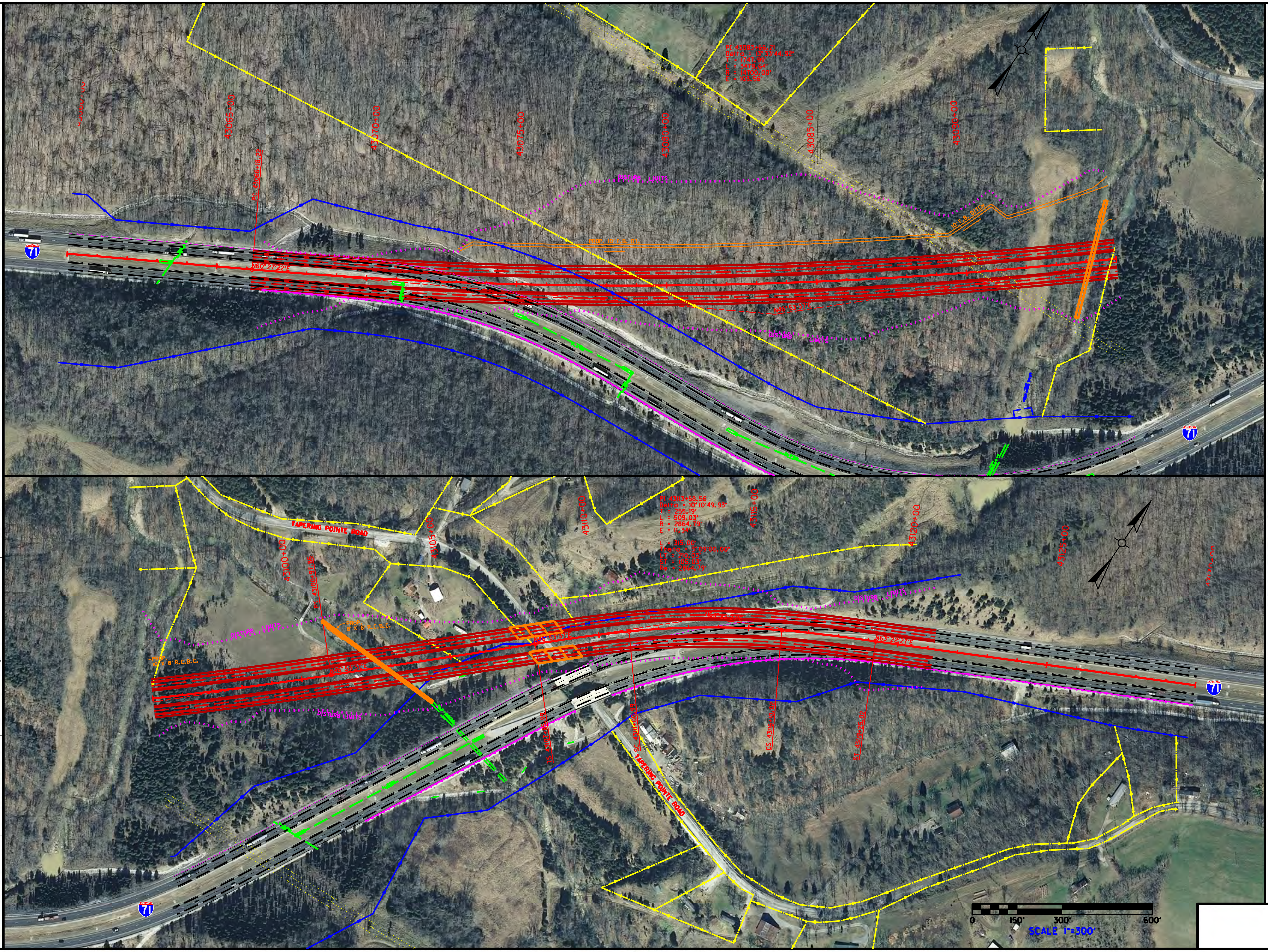
FILE NAME: T:\13401 - I-71 CORRIDOR STUDY\DGN\MM63\OPT 2\OPT 2 MM63.DGN

USER: Johnson
DATE PLOTTED: August 14, 2013

E-SHEET NAME:

MicroStation v8.11.9.357

COUNTY OF	ITEM NO.	SHEET NO.
GALLATIN	99-394	



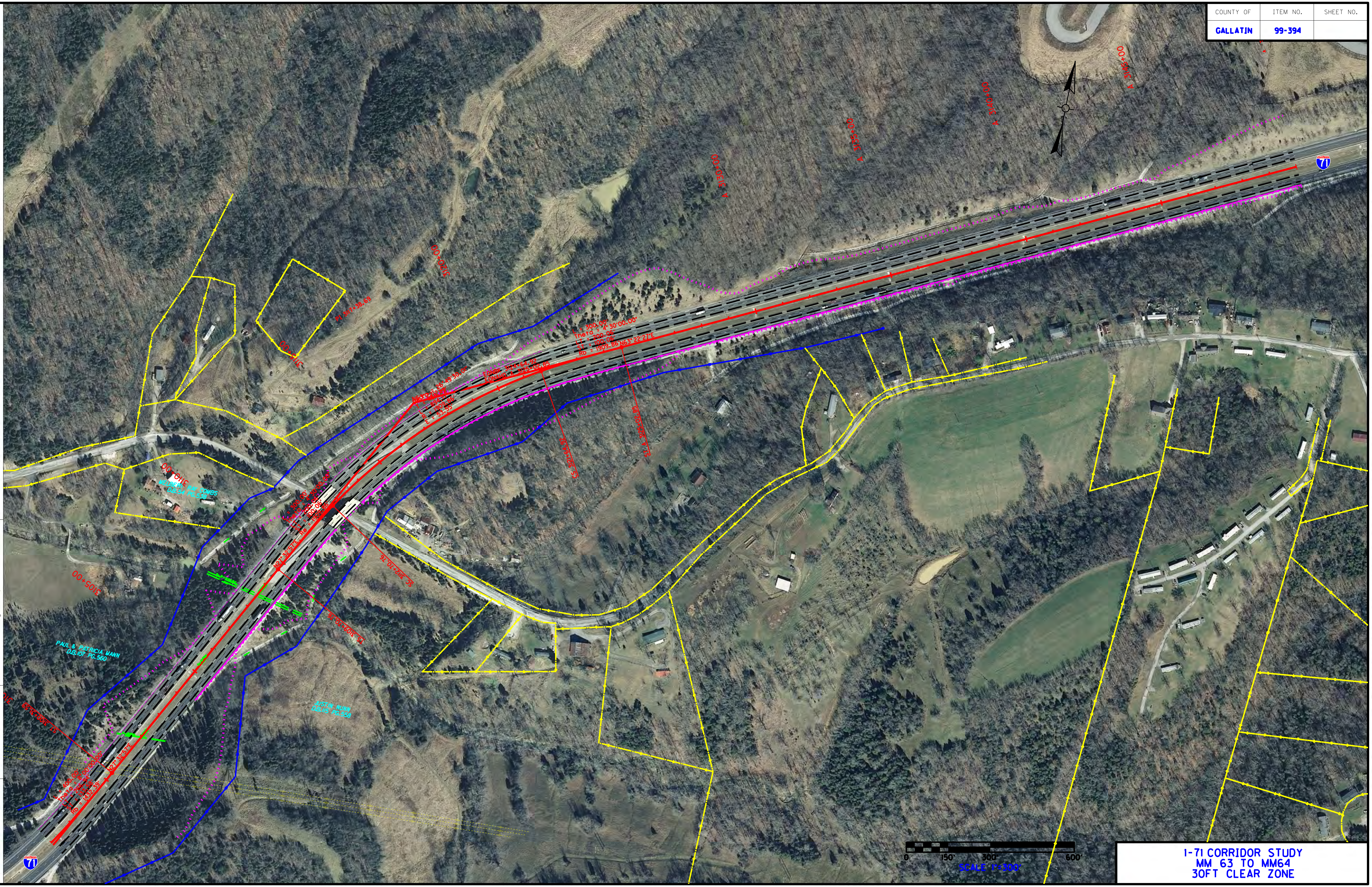
FILE NAME: T:\13401 - I-71 CORRIDOR STUDY\DGN\MM63\RELOC\MM63 RELOC ALT.DGN

USER: Johnson
DATE PLOTTED: August 14, 2013

E-SHEET NAME:

MicroStation v8.11.9.357

I-71 CORRIDOR STUDY
MM 63
RELOCATION OPTION

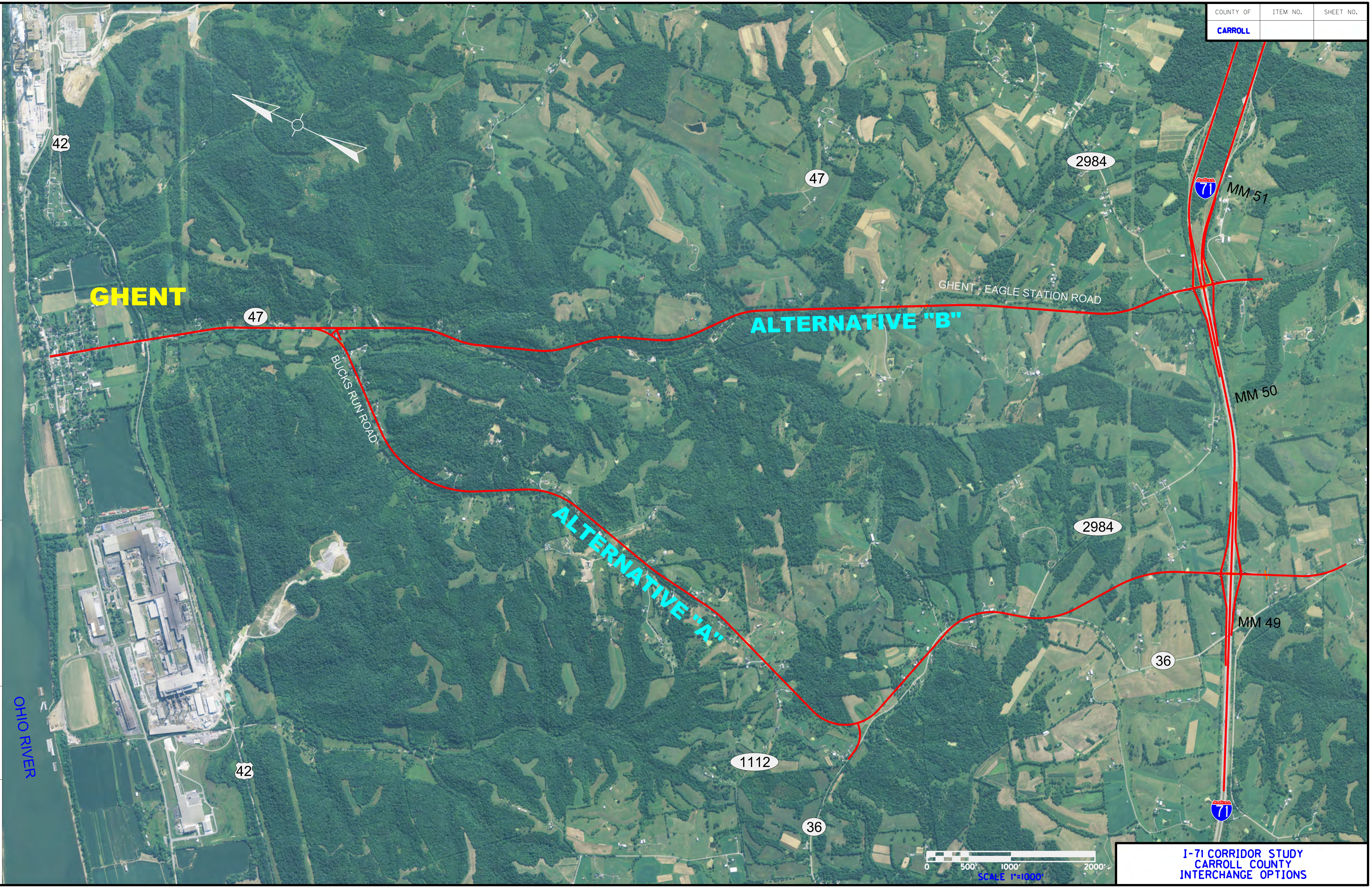


COUNTY OF	ITEM NO.	SHEET NO.
GALLATIN	99-394	

I-71 CORRIDOR STUDY
MM 63 TO MM64
30FT CLEAR ZONE

FILE NAME: T:\1340I - I-71 CORRIDOR STUDY\DGN\MM63\30 FT CZ\MM63 - MM64 30FT CZ.DGN
USER: Johnson
DATE PLOTTED: August 14, 2013
E-SHEET NAME:
MicroStation v8.11.9.357

COUNTY OF	ITEM NO.	SHEET NO.
CARROLL		



I-71 CORRIDOR STUDY
CARROLL COUNTY
INTERCHANGE OPTIONS

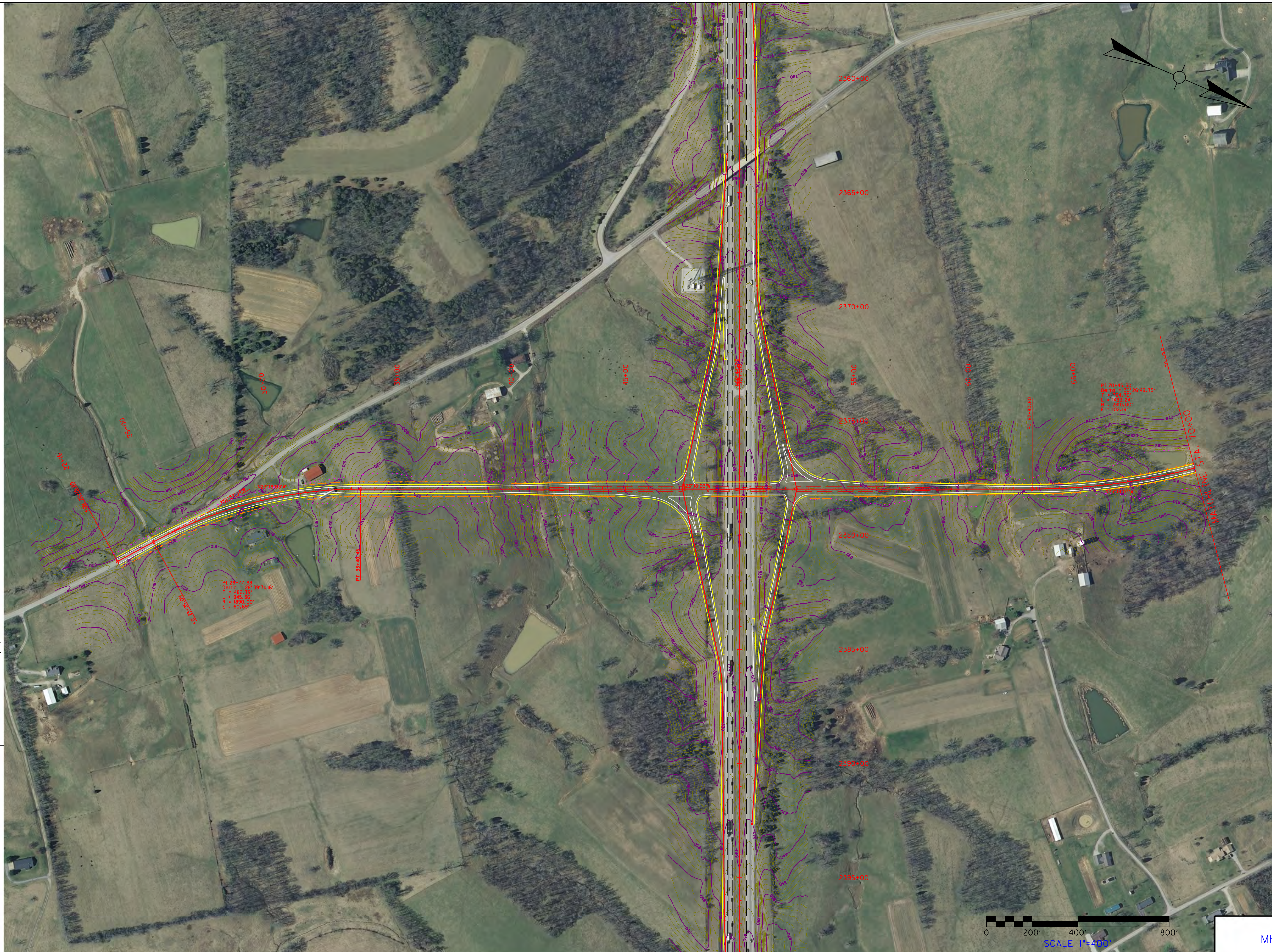
FILE NAME: T:\13401 - I-71 CORRIDOR STUDY\DGN\MM 49.5 INTERCHANGE\I-71 CARROLL COUNTY INTERCHANGE OPTIONS EXHIBIT.DGN

USER: johnson
DATE PLOTTED: December 16, 2013

E-SHEET NAME:

MicroStation v8.11.9.459

COUNTY OF	ITEM NO.	SHEET NO.
CARROLL		



I-71 CORRIDOR STUDY
MP 49 INTERCHNAGE \ KY 36

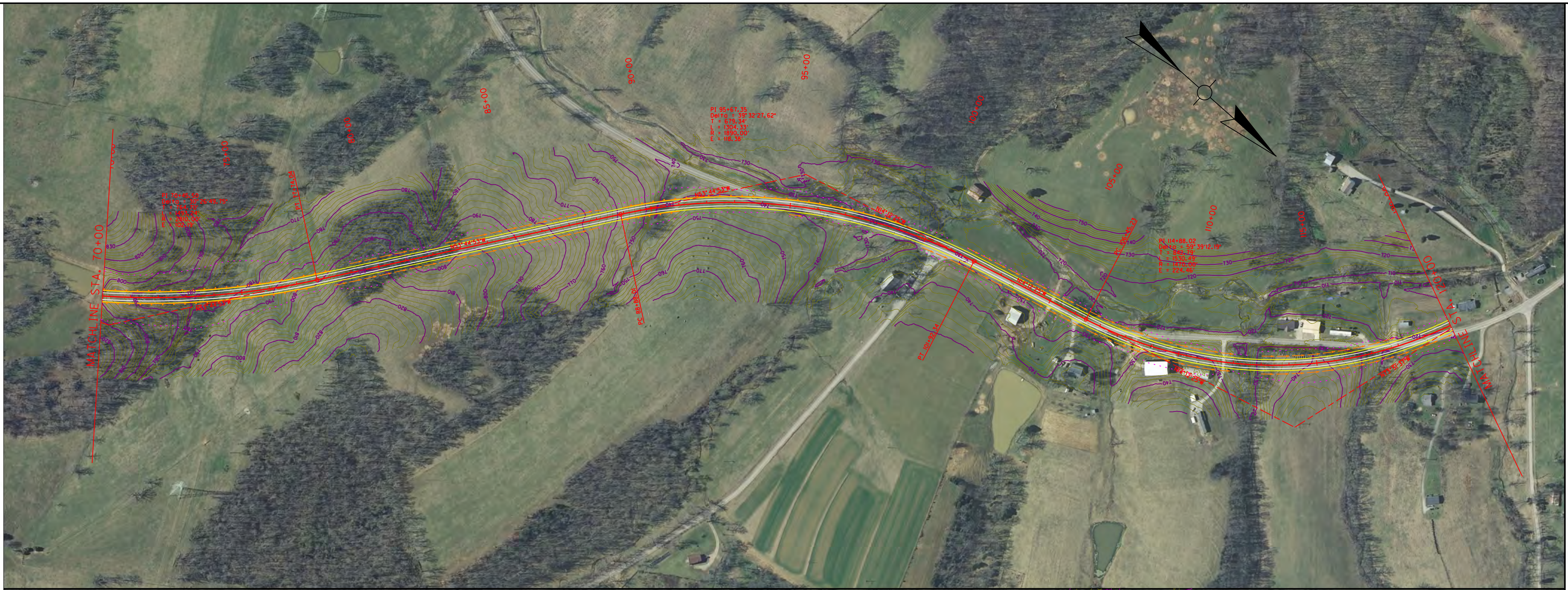
FILE NAME: T:\13401 - I-71 CORRIDOR STUDY\DGN\MM 49.5 INTERCHANGE\KY 36 EXHIBIT 1 OF 4.DGN

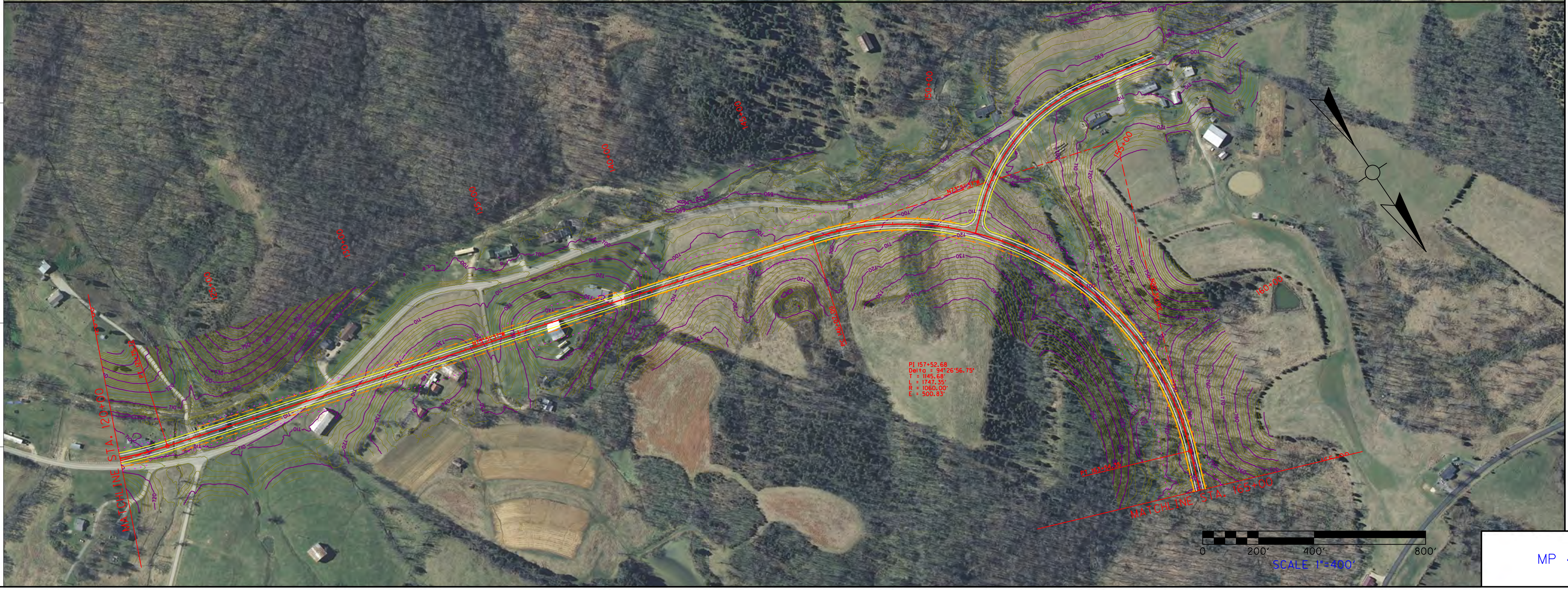
USER: Johnson
DATE PLOTTED: January 1, 0001

E-SHEET NAME:

MicroStation v8.11.9.357

COUNTY OF	ITEM NO.	SHEET NO.
CARROLL		





I-71 CORRIDOR STUDY
MP 49 INTERCHANGE \ KY 36

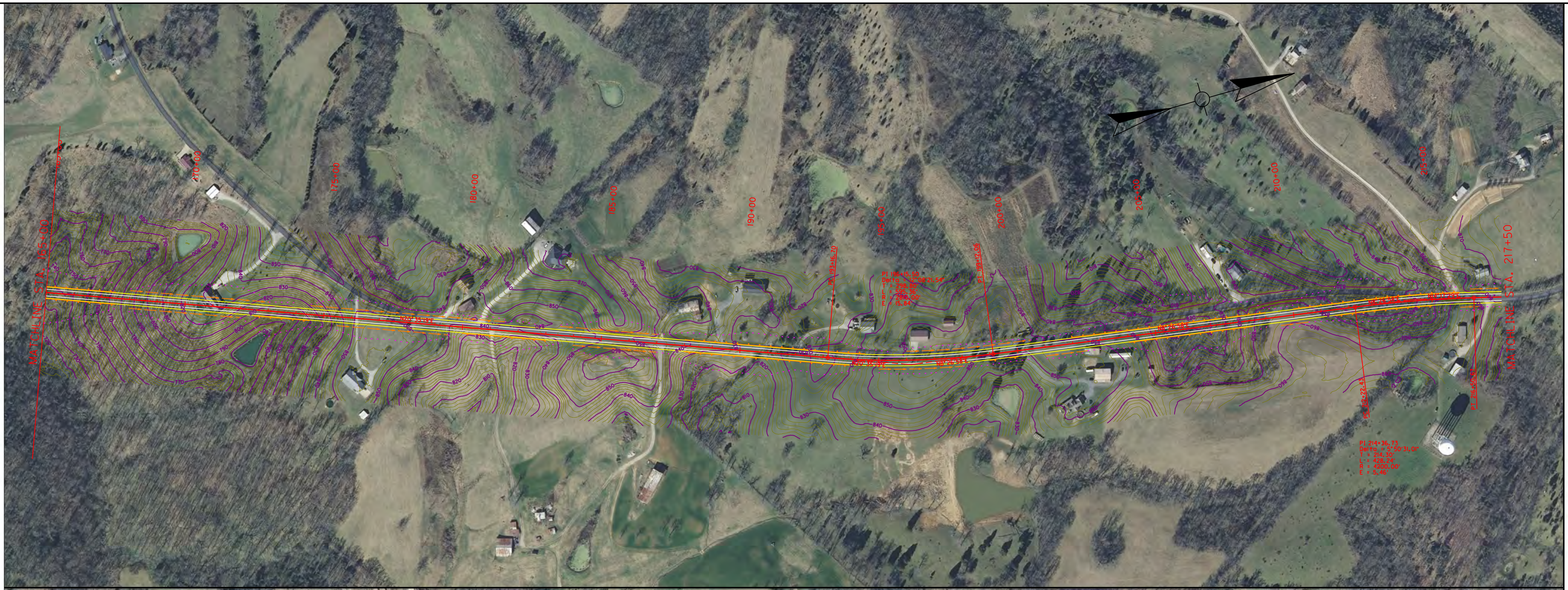
FILE NAME: T:\13401 - I-71 CORRIDOR STUDY\DGN\MM 49.5 INTERCHANGE\KY 36 EXHIBIT 2 OF 4.DGN

USER: Johnson
DATE PLOTTED: November 5, 2013

E-SHEET NAME:

MicroStation v8.11.9.357

COUNTY OF	ITEM NO.	SHEET NO.
CARROLL		



I-71 CORRIDOR STUDY
MP 49 INTERCHANGE \ KY 36

FILE NAME: T:\13401 - I-71 CORRIDOR STUDY\DGN\MM 49.5 INTERCHANGE\KY 36 EXHIBIT 3 OF 4.DGN

USER: johnson
DATE PLOTTED: November 5, 2013

E-SHEET NAME:

MicroStation v8.11.9.357

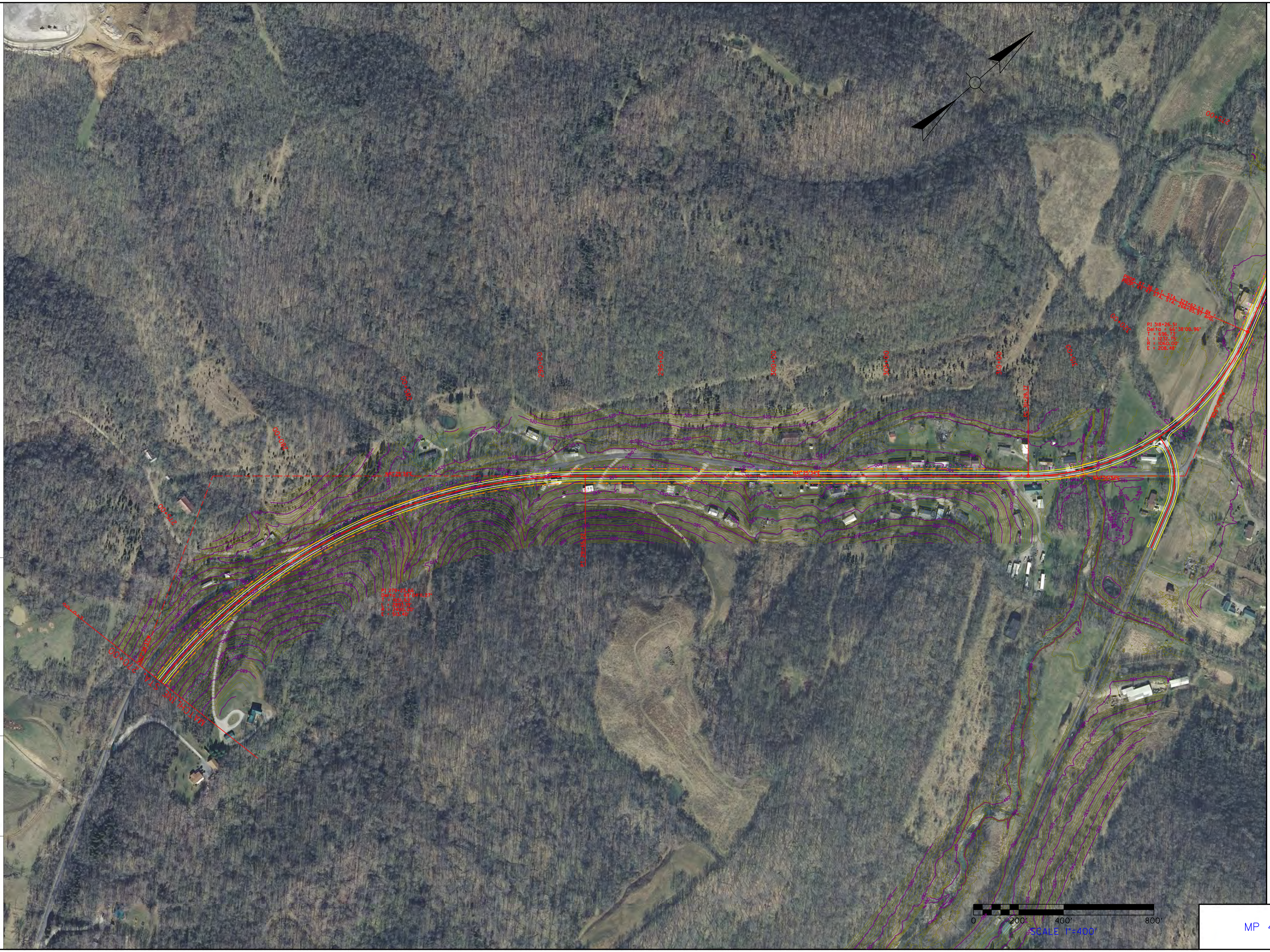
FILE NAME: T:\13401 - I-71 CORRIDOR STUDY\DGN\MM 49.5 INTERCHANGE\KY 36 EXHIBIT 4 OF 4.DGN

USER: Johnson
DATE PLOTTED: November 5, 2013

E-SHEET NAME:

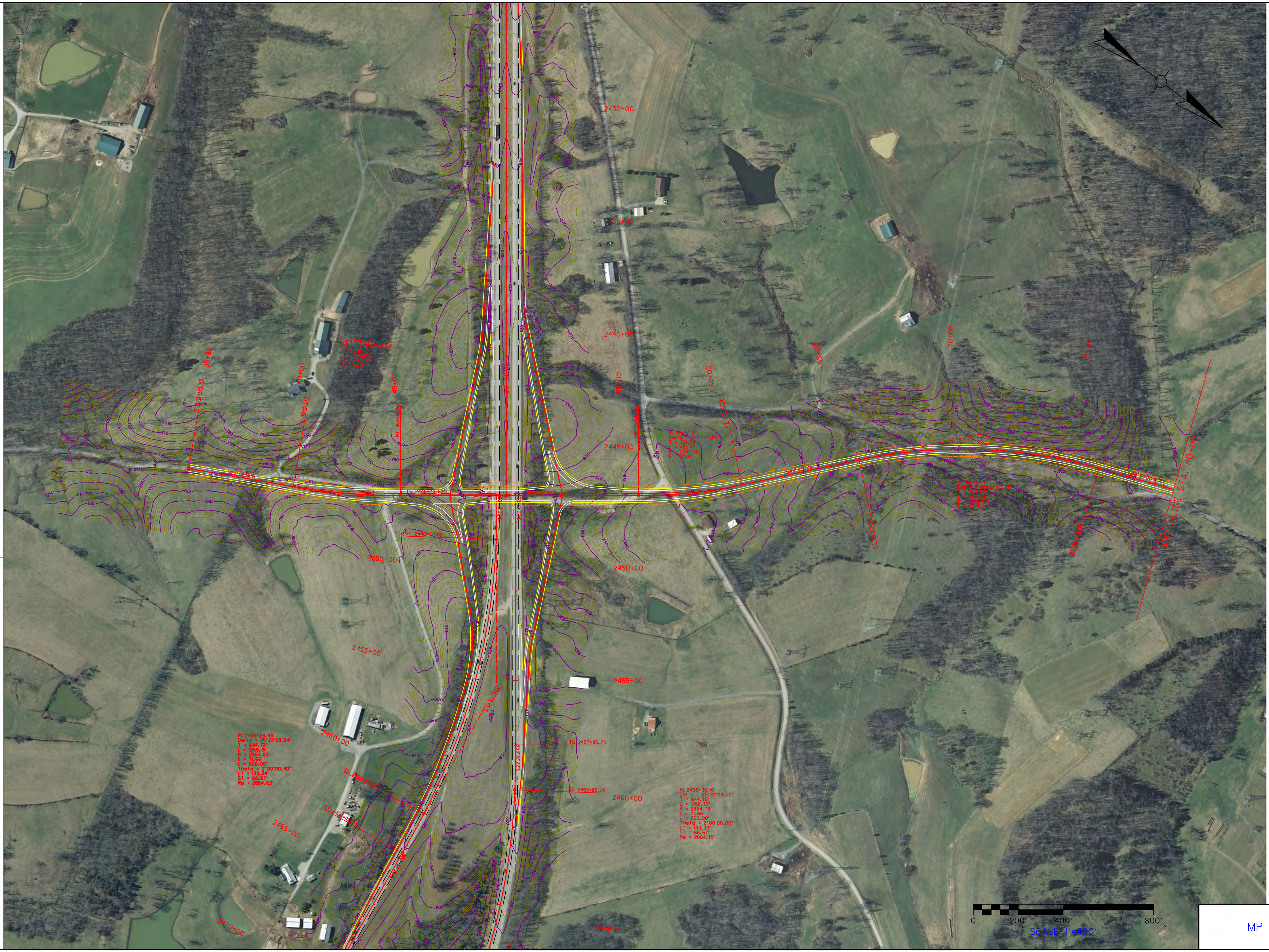
MicroStation v8.11.9.357

COUNTY OF	ITEM NO.	SHEET NO.
CARROLL		



I-71 CORRIDOR STUDY
MP 49 INTERCHANGE \ KY 36

COUNTY OF	ITEM NO.	SHEET NO.
CARROLL		



I-71 CORRIDOR STUDY
MP 51 INTERCHNAGE \ KY 47

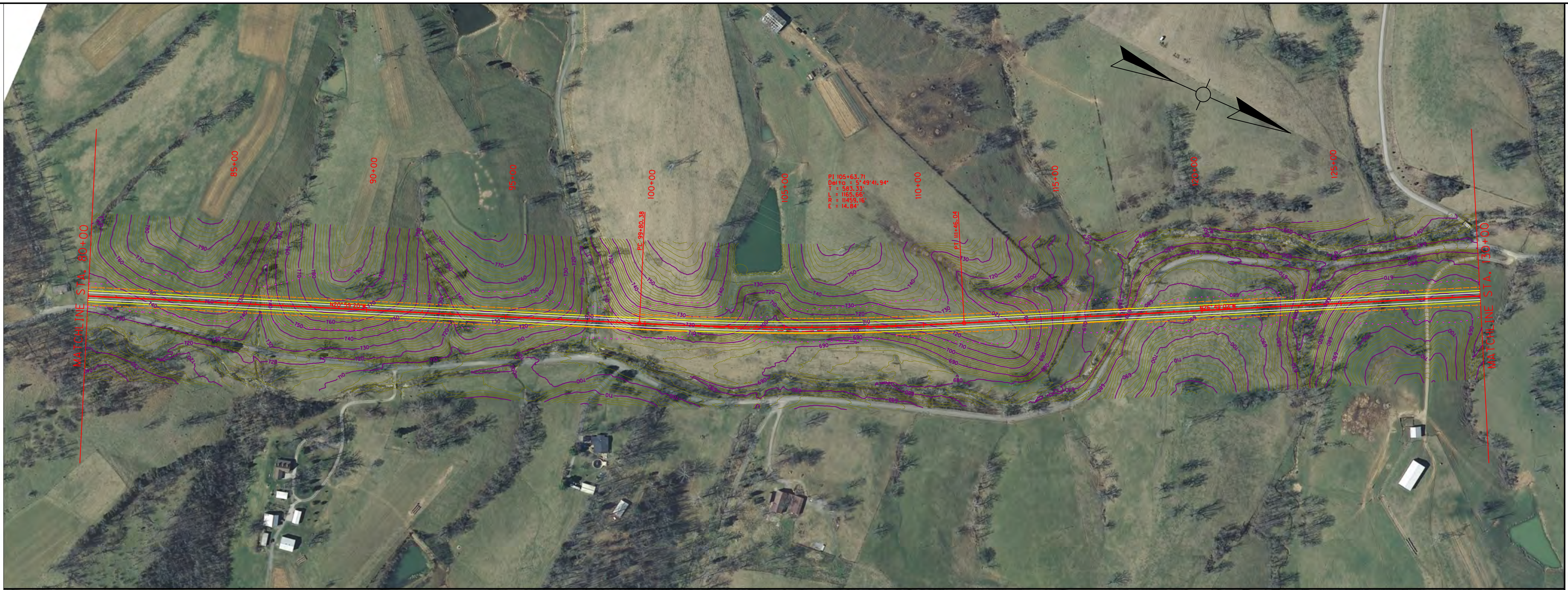
FILE NAME: T:\13401 - I-71 CORRIDOR STUDY\DGN\MM 49.5 INTERCHANGE\KY 47 EXHIBIT 1 OF 4.DGN

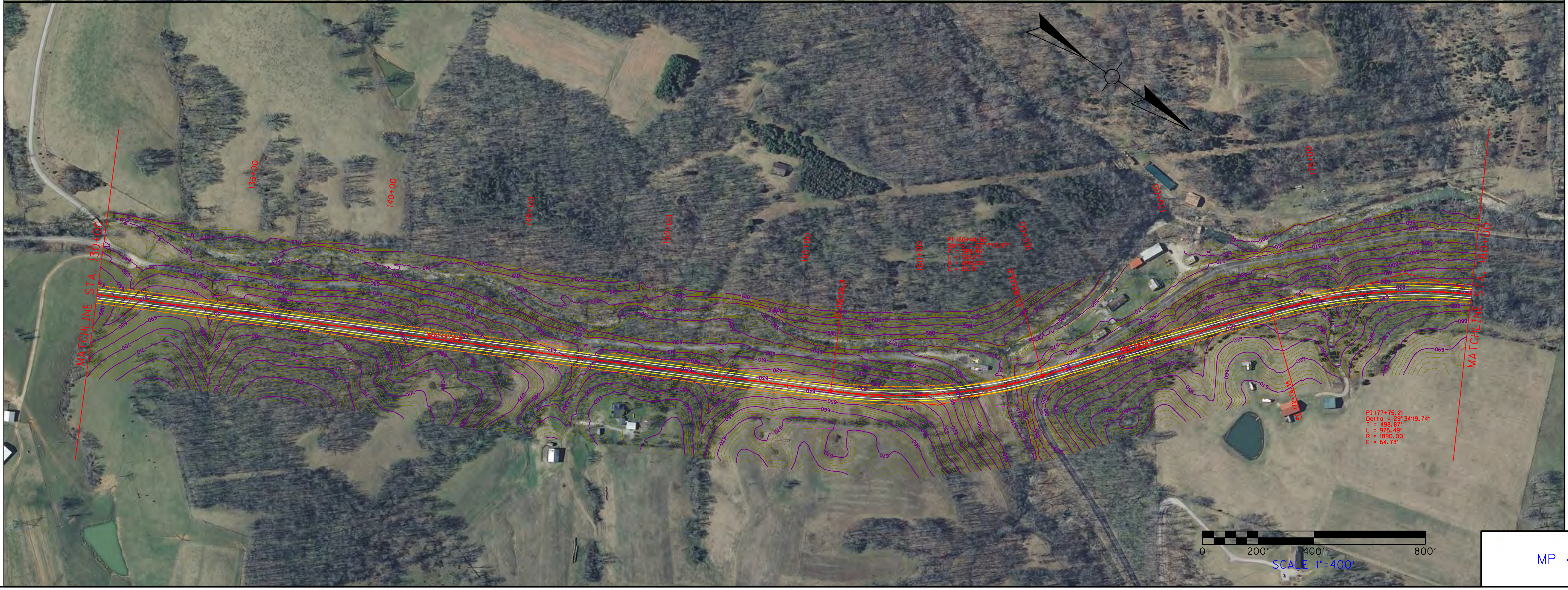
USER: johnson
DATE PLOTTED: November 5, 2013

E-SHEET NAME:

MicroStation v8.11.9.357

COUNTY OF	ITEM NO.	SHEET NO.
CARROLL		





I-71 CORRIDOR STUDY
MP 49 INTERCHANGE \ KY 36

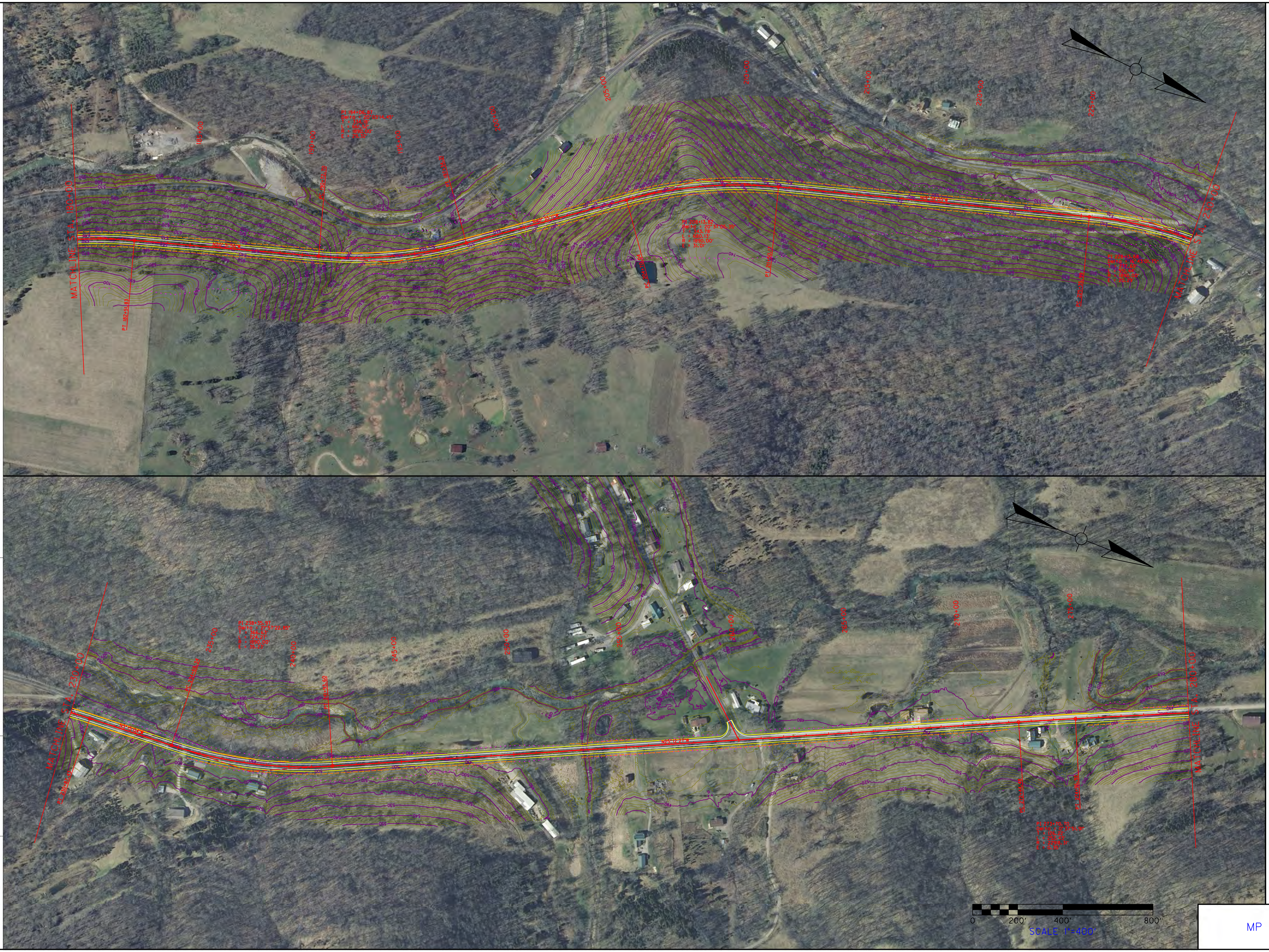
FILE NAME: T:\13401 - I-71 CORRIDOR STUDY\DGN\MM 49.5 INTERCHANGE\KY 47 EXHIBIT 2 OF 4.DGN

USER: johnson
DATE PLOTTED: November 5, 2013

E-SHEET NAME:

MicroStation v8.11.9.357

COUNTY OF	ITEM NO.	SHEET NO.
CARROLL		



I-71 CORRIDOR STUDY
MP 51 INTERCHANGE \ KY 47

FILE NAME: T:\13401 - I-71 CORRIDOR STUDY\DGN\MM 49.5 INTERCHANGE\KY 47 EXHIBIT 3 OF 4.DGN

USER: Johnson
DATE PLOTTED: November 5, 2013

E-SHEET NAME:

MicroStation v8.11.9.357

COUNTY OF	ITEM NO.	SHEET NO.
CARROLL		

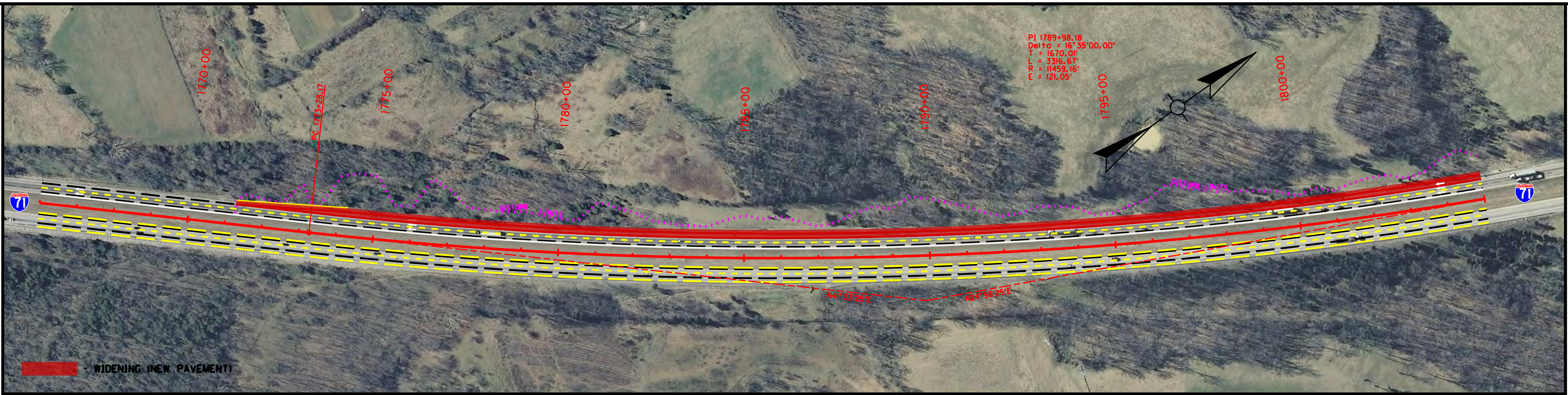
I-71 CORRIDOR STUDY
MP 51 INTERCHANGE / KY 47

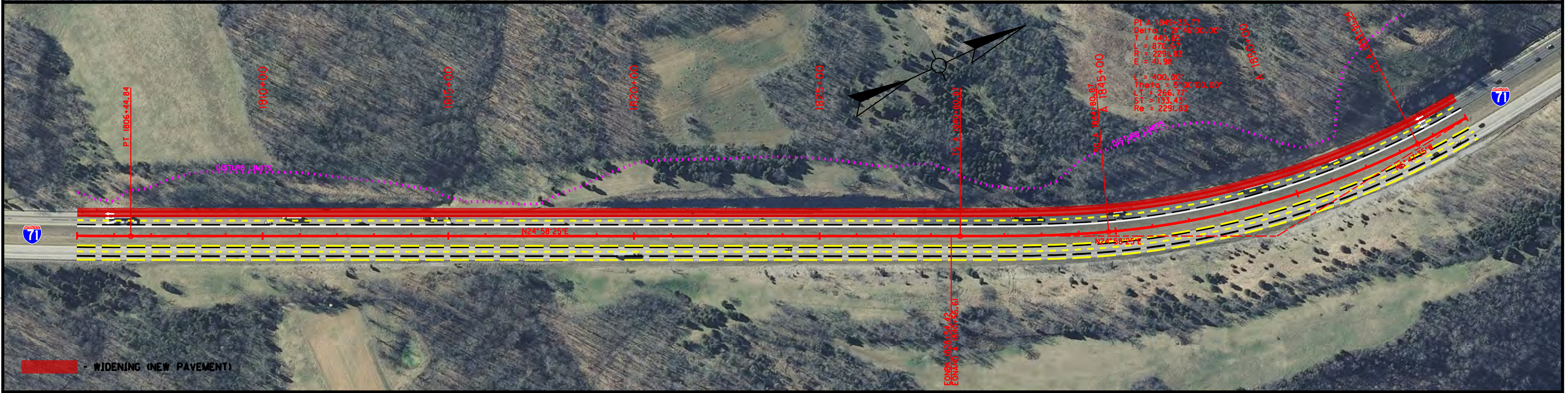
FILE NAME: T:\13401 - I-71 CORRIDOR STUDY\DGN\MM 49.5 INTERCHANGE\KY 47 EXHIBIT 4 OF 4.DGN

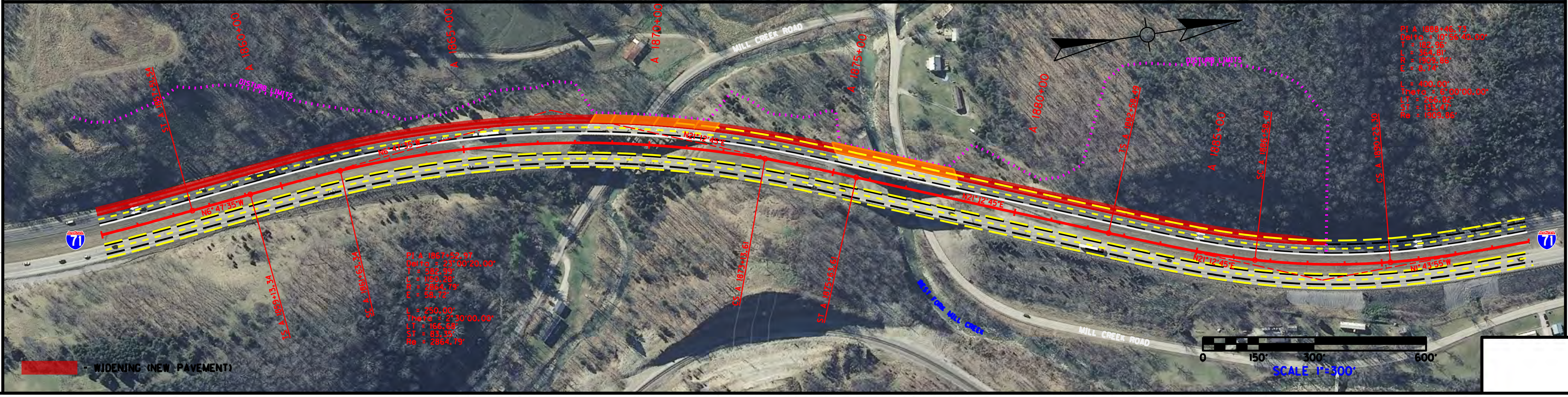
USER: Johnson
DATE PLOTTED: November 5, 2013

E-SHEET NAME:

MicroStation v8.11.9.357





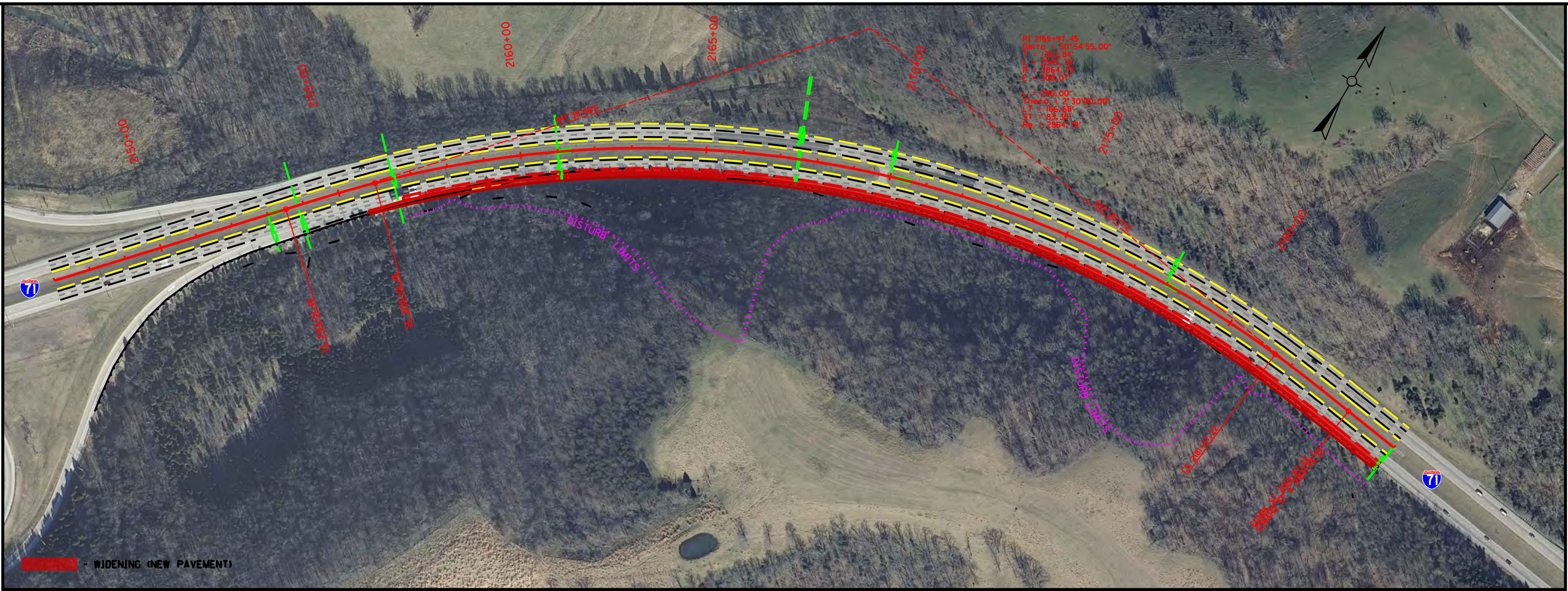


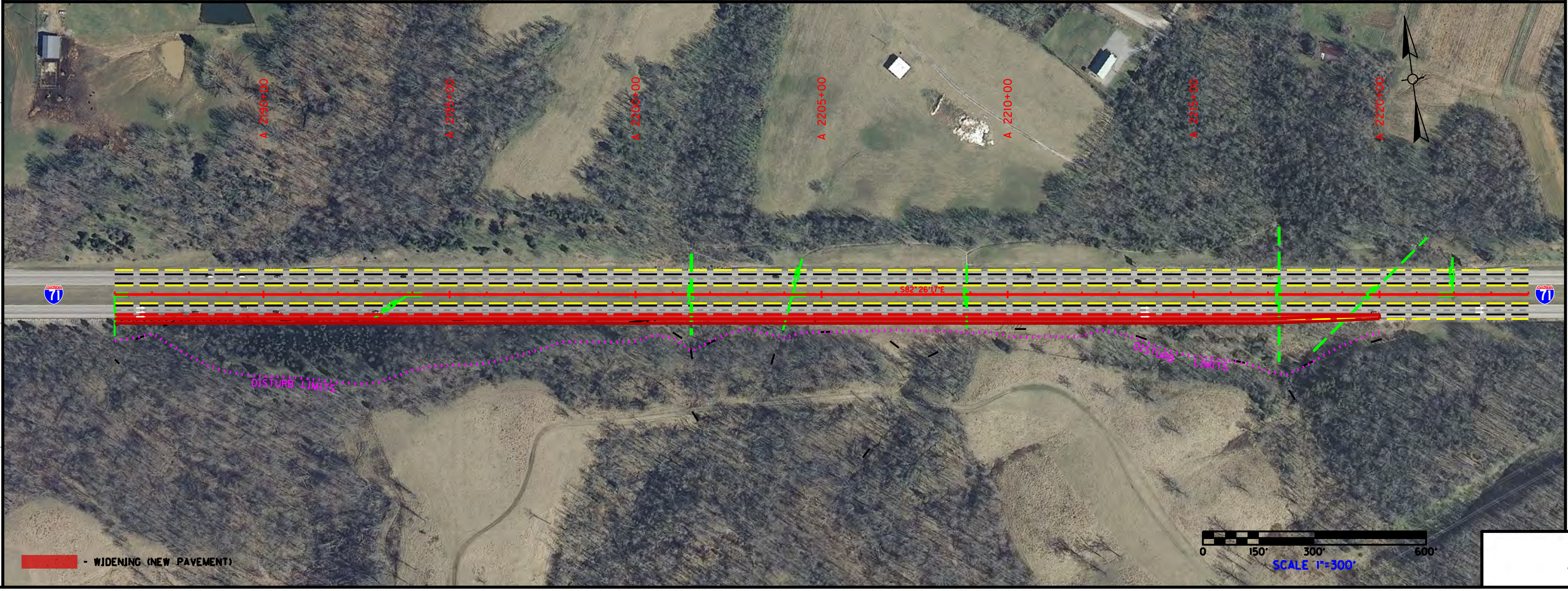
COUNTY OF	ITEM NO.	SHEET NO.
HENRY/ TRIMBLE/ CARROLL	99-394.00	

I-71 CORRIDOR STUDY
MM 39 SB TRUCK
CLIMBING LANE

MicroStation v8.11.9.357 | E-SHEET NAME: | USER: johnson DATE PLOTTED: August 14, 2013 | FILE NAME: T:\13401 - I-71 CORRIDOR STUDY\DGN\MM 39\I-71 MM39 TCL EXHIBIT.DGN

COUNTY OF	ITEM NO.	SHEET NO.
CARROLL	99-394	

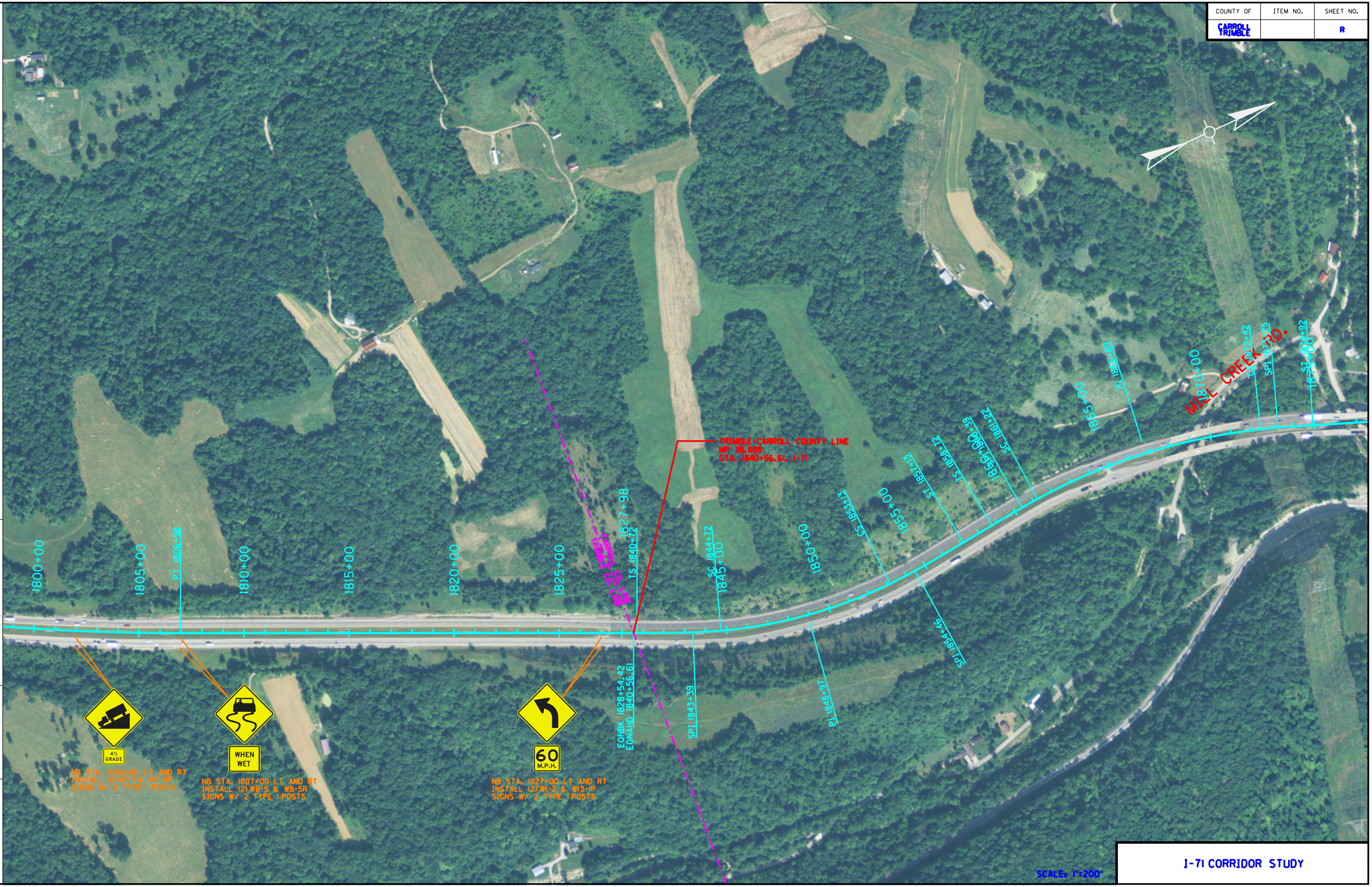




I-71 CORRIDOR STUDY
MM 44 NORTHBOUND
TRUCK CLIMBING LANE

FILE NAME: T:\13401 - I-71 CORRIDOR STUDY\DGN\MM 44\MM44 TCL.DGN
USER: Johnson
DATE PLOTTED: August 14, 2013
E-SHEET NAME:
MicroStation v8.11.9.357

COUNTY OF	ITEM NO.	SHEET NO.
CARROLL TRIMBLE		R



SCALE: 1"=200'

I-71 CORRIDOR STUDY

FILE NAME: U:\13401 - I-71 CORRIDOR STUDY\EXISTING CONDITIONS\EXISTING PLANS\SIGNING\STA. 1800+00_1870+00.DGN

USER: cpadgett
DATE PLOTTED: August 9, 2013

E-SHEET NAME:

MicroStation v8.11.7.443