



APPENDIX H

30% Plan Sheets for Modifications at Bailly

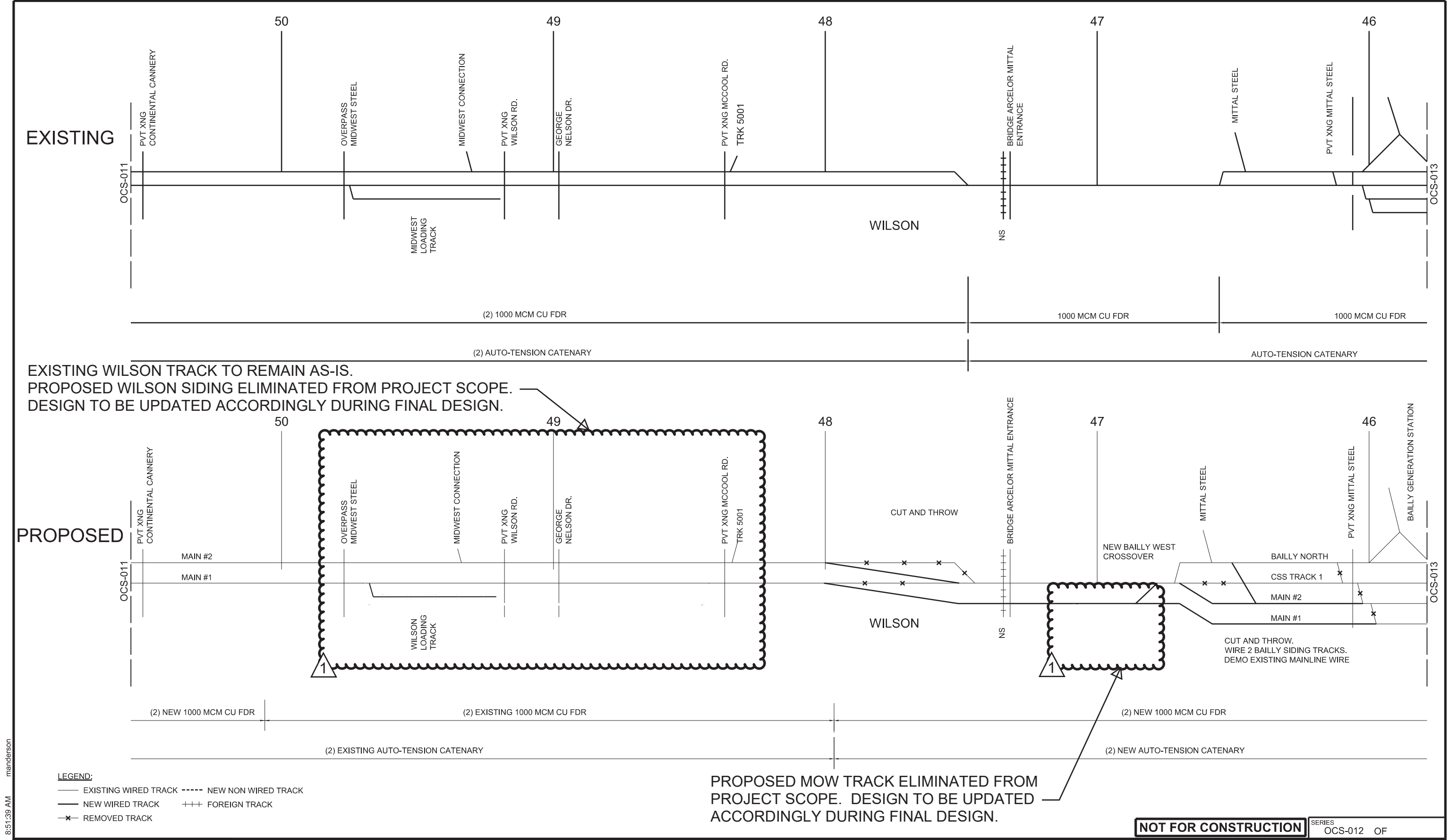


Double Track Northwest Indiana Project

Finding of No Significant Impact

November 1, 2018

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PLOT DATE: 5/5/2017 8:51:39 AM manderson

HDR Engineering, Inc.
8550 W Bryn Mawr Ave., Suite 900
Chicago, IL 60631
www.hdrinc.com

BURNS ENGINEERING, INC. | 215 919-7700
2700 CHAMBERS SQUARE, SUITE 1000, PHILADELPHIA, PA 19104

1	10/12/2018	ELIMINATE WILSON SIDING & BAILLY MOW
ISSUE	DATE	DESCRIPTION

NORTHERN INDIANA COMMUTER
TRANSPORTATION DISTRICT
33 East Highway 12
Chesterton, Indiana 46304

Connectivity for Accelerated Growth
GARY TO MICHIGAN CITY, INDIANA

DESIGNED: RSW
DRAWN: MJA
CHECKED: DP
DATE: 10/12/2018

NOT FOR CONSTRUCTION

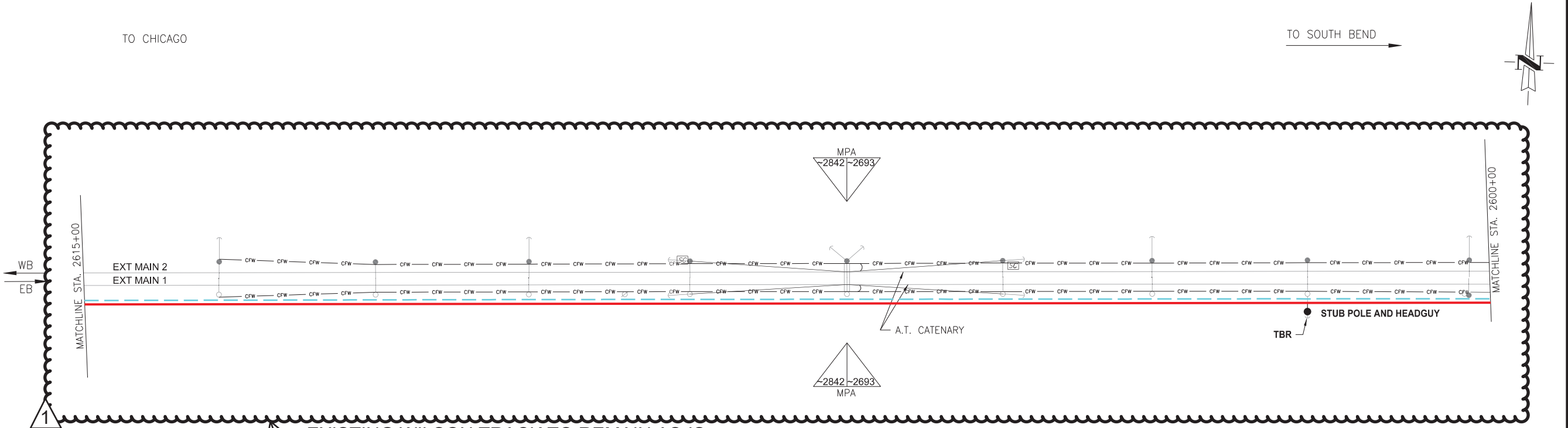
SERIES OCS-012 OF

NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK NWI

CATENARY
PLAN OF CONSTRUCTION
(SHEET 3 OF 6)

FILENAME	SHEET
SCALE	11 OF 173

NIPSCO ASSEMBLY														
MISC. ASSEMBLIES AND FEEDERS 2		460-1	460-1	460-1	460-1									460-1
MISC. ASSEMBLIES AND FEEDERS 1						462-1		460-1		460-1		460-1		
JUMPERS						428-2								
HANGERS		210-165	210-165	210-170	210-165		210-165		210-160		210-165		210-175	
SUPPORT REGISTRATION ASSEMBLIES		401-1	400-1	401-1	400-1	416-2/410-1		400-1		401-1		400-1	401-1	
DOWN GUY ASSEMBLY		449-1		449-1		449-1(2)				449-1/449-2		449-2	449-2, 449-1	
IN-SPAN ASSEMBLIES														
TERMINATION HEIGHT														
FOUNDATION REFERENCE														
POLE REFERENCE						525-35-8							525-35-8	
STAGGER		▲ 0'-6"	▼ 0'-6"	▲ 0'-6"	▼ 0'-6"	▲ 0'-6"		▼ 0'-6"		▲ 0'-6"		▼ 0'-6"	▲ 0'-6"	
MESSENGER WIRE HEIGHT		24'-0"	24'-0"	24'-0"	24'-0"	24'-0"		24'-3"		24'-6"		24'-9"	25'-0"	
TROLLEY WIRE HEIGHT		21'-0"	21'-0"	21'-0"	21'-0"	21'-0"		21'-3"		21'-6"		21'-9"	22'-0"	
FACE OF POLE TO CENTERLINE TRACK		8'-11 1/2"	8'-8"	8'-10"	9'-1 1/4"	9'-0 1/4"		9'-2"		9'-0 1/4"		9'-3"	9'-0"	
STATIONING						~2606+85								
STRUCTURE NO.		49-17	49-16	49-15	49-14	49-13		49-12		49-11		49-10	49-09	



NOTE:
1. BOLD ITEMS IN ALLOCATION TABLE INDICATES NEW WORK.

EXISTING WILSON TRACK TO REMAIN AS-IS.
PROPOSED WILSON SIDING ELIMINATED FROM PROJECT SCOPE.
DESIGN TO BE UPDATED ACCORDINGLY DURING FINAL DESIGN.

STRUCTURE NO.	49-17	49-16	49-15	49-14	49-13	49-12	49-11	NEW 49-10 49-10A	49-09
STATIONING					~2606+85				
FACE OF POLE TO CENTERLINE TRACK	7'-4 1/4"	7'-7 1/4"	7'-6"	7'-4 3/4"	7'-6"	7'-6"	7'-6 1/4"	7'-7"	9'-0"
TROLLEY WIRE HEIGHT	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-3"	21'-6"	21'-9"	22'-0"
MESSENGER WIRE HEIGHT	24'-0"	24'-0"	24'-0"	24'-0"	24'-0"	24'-3"	24'-6"	24'-9"	25'-0"
STAGGER	▲ 0'-6"	▼ 0'-6"	▲ 0'-6"	▼ 0'-6"	▲ 0'-6"	▼ 0'-6"	▲ 0'-6"	▼ 0'-6"	▲ 0'-6"
POLE REFERENCE								525-40-8	525-35-8
FOUNDATION REFERENCE									
TERMINATION HEIGHT									
IN-SPAN ASSEMBLIES									
DOWN GUY ASSEMBLY		449-1/449-2		449-2		449-2		449-2	
SUPPORT REGISTRATION REFERENCE	400-1	401-1	400-1	401-1	416-2/410-1	401-1	400-1	401-1	400-1
HANGERS	210-165	210-165	210-170	210-165	210-165	210-160	210-165	210-170	
JUMPERS					428-2				
MISC. ASSEMBLIES AND FEEDERS 1	460-1	460-1	460-1	460-1	503-1	460-1	460-1	460-1	460-1
MISC. ASSEMBLIES AND FEEDERS 2					462-1				456-3
NIPSCO ASSEMBLY									

PLOT DATE: 5/5/2017
10:25:55 AM
manderson

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THIRD COMMERCIAL SQUARE, 300 MARKET ST, SUITE 600

PHILADELPHIA, PA 19106

1	10/12/2018	ELIMINATE WILSON SIDING & BAILLY MOW
ISSUE	DATE	DESCRIPTION

NORTHERN INDIANA COMMUTER

TRANSPORTATION DISTRICT

33 East Highway 12

Chesterton, Indiana 46304

Connectivity for Accelerated Growth

GARY TO MICHIGAN CITY, INDIANA

DESIGNED:	RSW
DRAWN:	VJC
CHECKED:	DP
DATE:	10/12/2018

NOT FOR CONSTRUCTION

SERIES
OCS-132 OF

NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8

DOUBLE TRACK NWI

OCS PLAN

STA 2615+00 TO 2600+00

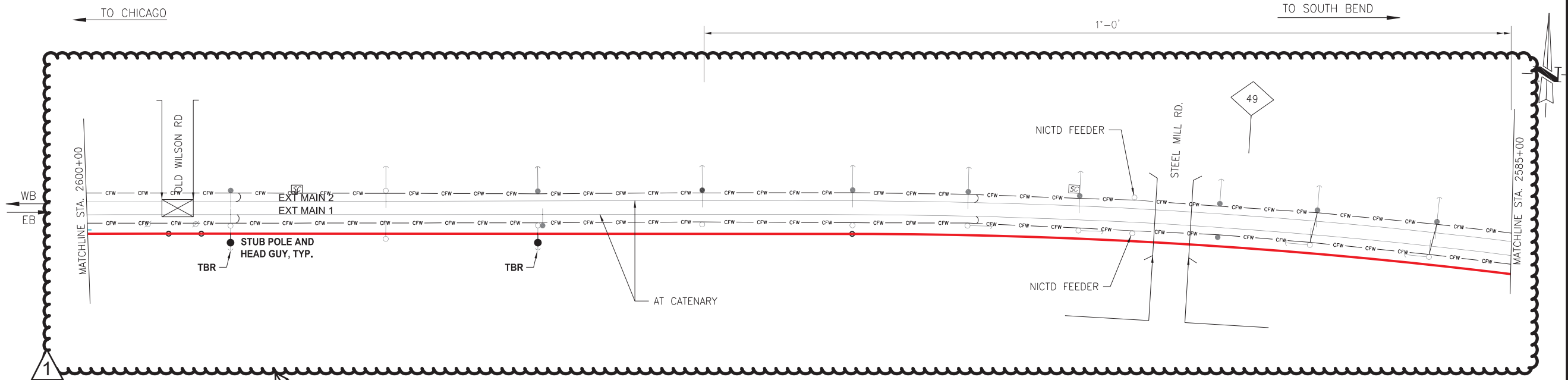
FILENAME

SCALE

SHEET

60 OF 173

NIPSCO ASSEMBLY													
MISC. ASSEMBLIES AND FEEDERS 2		462-1											
MISC. ASSEMBLIES AND FEEDERS 1		460-1	460-1	460-1	460-1	460-1	460-1/462-1	460-1	460-1	460-1	460-1	460-1	
JUMPERS		428-2					428-2						
HANGERS		210-165	210-160	210-175	210-160	210-120	210-115	210-147	210-105	210-125			
SUPPORT REGISTRATION ASSEMBLIES		400-1	401-1	400-1	401-1	401-1	401-1	401-1	401-1	401-1	401-1	401-1	
DOWN GUY ASSEMBLY			449-1	449-1/449-2	449-1/449-2	449-1/449-2	449-1/449-2	449-1/449-2	449-1/449-2	449-1/449-2	449-1/449-2	449-1/449-2	
IN-SPAN ASSEMBLIES													
TERMINATION HEIGHT													
FOUNDATION REFERENCE													
POLE REFERENCE			525-35-8		525-35-8			525-35-8		525-35-8		525-35-8	
STAGGER		▼ 0'-6"	▲ 0'-6"	▼ 0'-3"	▲ 0'-5"	▲ 0'-3"	▲ 0'-3"	▲ 0'-3"	▲ 0'-2"	▲ 0'-2"		▲ 0'-3"	
MESSANGER WIRE HEIGHT		25'-0	24'-9"	24'-6"	24'-3"	24'-0"	24'-0"	24'-0"	24'-0"	24'-0"	24'-0"	24'-0"	
TROLLEY WIRE HEIGHT		22'-0"	21'-9"	21'-6"	21'-3"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	
FACE OF POLE TO CENTERLINE TRACK		9'-0"	9'-0"	7'-6 1/2"	9'-0"	8'-6 3/4"	8'-6 1/2"	8'-0"	9'-0"	7'-11 3/4"	9'-0"	9'-0"	
STATIONING													
STRUCTURE NO.		49-08	49-07	49-06	49-05	49-04	49-03	49-02	49-01A	49-01	48-33	48-32	



NOTE:
1. BOLD ITEMS IN ALLOCATION TABLE INDICATES NEW WORK.

EXISTING WILSON TRACK TO REMAIN AS-IS.
PROPOSED WILSON SIDING ELIMINATED FROM PROJECT SCOPE.
DESIGN TO BE UPDATED ACCORDINGLY DURING FINAL DESIGN.

STRUCTURE NO.		49-08	49-07	49-06	49-05	49-04	49-03	49-02	49-01A	49-01	48-33	48-32
STATIONING												
FACE OF POLE TO CENTERLINE TRACK		9'-0"	22'-9 1/2"	9'-0"	7'-11 1/2"	7'-6 1/4"	7'-4"	8'-6 1/2"	9'-0"	7'-8"	8'-3 3/4"	8'-10"
TROLLEY WIRE HEIGHT		22'-0"	21'-9"	21'-6"	21'-3"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	21'-0"
MESSANGER WIRE HEIGHT		25'-0"	24'-9"	24'-6"	24'-3"	24'-0"	24'-0"	24'-0"	24'-0"	24'-0"	24'-0"	24'-0"
STAGGER		▼ 0'-6"	▲ 0'-6"	▼ 0'-3"	▲ 0'-5"	▲ 0'-3"	▲ 0'-3"	▲ 0'-3"		▲ 0'-2"	▲ 0'-2"	▲ 0'-3"
POLE REFERENCE		525-40-8		525-40-8				525-35-8				
FOUNDATION REFERENCE												
TERMINATION HEIGHT												
IN-SPAN ASSEMBLIES												
DOWN GUY ASSEMBLY		449-2	449-2									
SUPPORT REGISTRATION REFERENCE		401-1	400-1	401-1	400-1	400-1	400-1	400-1	400-1	400-1	400-1	400-1
HANGERS		210-165	210-160	210-175	210-160	210-120	210-115	210-147	210-100	210-125		
JUMPERS		428-2					428-2					
MISC. ASSEMBLIES AND FEEDERS 1		460-1	460-1	460-1	460-1	460-1	460-1	460-1	460-1	460-1	460-1	460-1
MISC. ASSEMBLIES AND FEEDERS 2		462-1		456-3			462-1	456-3				
NIPSCO ASSEMBLY												

manderson
9:55:16 AM
PLOT DATE: 5/5/2017

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2700 COMMERCIAL SQUARE, SUITE 1000
PHILADELPHIA, PA 19104

1	10/12/2018	ELIMINATE WILSON SIDING & BAILLY MOW		
ISSUE	DATE	DESCRIPTION		

NORTHERN INDIANA COMMUTER
TRANSPORTATION DISTRICT
33 East Highway 12
Chesterton, Indiana 46304

GARY TO MICHIGAN CITY, INDIANA

DESIGNED:	RSW
DRAWN:	VJC
CHECKED:	DP
DATE:	10/12/2018

NOT FOR CONSTRUCTION

SERIES
OCS-133 OF

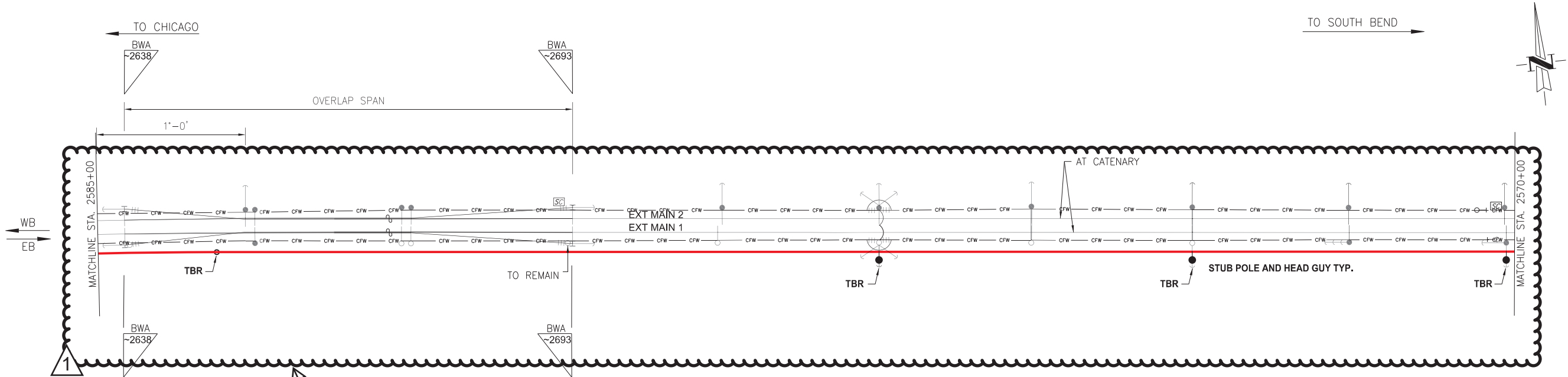
NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK NWI

OCS PLAN
STA 2600+00 TO 2585+00

FILENAME
SCALE

SHEET
61 OF 173

NIPSCO ASSEMBLY															
MISC. ASSEMBLIES AND FEEDERS 2	460-2	460-1			460-1	460-2			460-1	461-1			460-1	460-1	460-1
MISC. ASSEMBLIES AND FEEDERS 1	441-1					441-1			462-1						
JUMPERS					428-1					428-2					
HANGERS	210-143/213-133		214-166(2)		210-186/213-176		210-160	210-165		210-160	210-170		210-165		210-165
SUPPORT REGISTRATION ASSEMBLIES	406-1		400-1	401-1	406-1			401-1	400-1		401-1	400-1		401-1	400-1
DOWN GUY ASSEMBLY	449-1				449-1		449-1	449-1 (3)		449-1	449-1		449-1		449-1
IN-SPAN ASSEMBLIES															
TERMINATION HEIGHT	23-9								23-9						
FOUNDATION REFERENCE	521-15								521-15						
POLE REFERENCE	500-35		525-35-8		525-35-8	525-35-8	500-35		525-35-8						
STAGGER	0'-0"	▲ 0'-6"	▼ 0'-6"	▲ 0'-6"	▼ 0'-6"	0'-0"		▲ 0'-6"	▼ 0'-6"		▲ 0'-6"	▼ 0'-6"		▲ 0'-6"	▼ 0'-6"
MESSENGER WIRE HEIGHT	24'-0"	24'-5"	24'-0"	24'-0"	24'-5"	24'-0"		24'-0"	24'-0"		24'-0"	24'-0"		24'-0"	24'-0"
TROLLEY WIRE HEIGHT	21'-0"	21'-8"	21'-0"	21'-0"	21'-8"	21'-0"		21'-0"	21'-0"		21'-0"	21'-0"		21'-0"	21'-0"
FACE OF POLE TO CENTERLINE TRACK	10'-0"	6'-11"	9'-0"	9'-0"	9'-0"	10'-0"		9'-0"	8'-8 3/4"		10'-0 1/2"	9'-3 1/2"		8'-10 3/4"	8'-11"
STATIONING	~2584+77								~2579+92						
STRUCTURE NO.	48-31	48-30	48-29B	48-29A	48-29	48-28		48-27	48-26		48-25	48-24		48-23	48-22



NOTE:

1. BOLD ITEMS IN ALLOCATION TABLES INDICATES NEW WORK.

STRUCTURE NO.	48-31	48-30	48-29B	48-29A	48-29	48-28	48-27
STATIONING	~2584+77					~2579+92	
FACE OF POLE TO CENTERLINE TRACK	10'-0"	8'-8 1/4"	9'-0"	9'-0"	9'-0"	10'-0"	8'-3 1/2"
TROLLEY WIRE HEIGHT	21'-0"	21'-8"	21'-0"	21'-8" IR	21'-0" NR	21'-0"	21'-0"
MESSENGER WIRE HEIGHT	24'-0"	24'-5"	24'-0"	24'-5" IR	24'-0" NR	24'-0"	24'-0"
STAGGER		▲ 0'-6"	▼ 0'-6"	▼ 0'-6"	▲ 0'-6"	0'-0"	▲ 0'-6"
POLE REFERENCE	500-35		525-35-8	525-35-8	525-35-8	500-35	
FOUNDATION REFERENCE	521-15					521-15	
TERMINATION HEIGHT	23'-9"					23'-9"	
IN-SPAN ASSEMBLIES							
DOWN GUY ASSEMBLY	449-1					449-1	
SUPPORT REGISTRATION REFERENCE		406-1	401-1	406-1	400-1		
HANGERS	210-143/213-133		214-166(2)	210-186/213-176		210-155	210-170
JUMPERS				428-1			
MISC. ASSEMBLIES AND FEEDERS 1	441-1				460-1	441-1	460-1
MISC. ASSEMBLIES AND FEEDERS 2	460-2	460-1				460-2	
NIPSCO ASSEMBLY							

NEW		NEW		NEW	
48-26	48-25	48-24	48-23	48-22	
7'-11 1/2"	8'-2 3/4"	8'-6"	8'-0 1/4"	8'-2 1/4"	
21'-0"	21'-0"	21'-0"	21'-0"	21'-0"	
24'-0"	24'-0"	24'-0"	24'-0"	24'-0"	
▼ 0'-6"	▲ 0'-6"	▼ 0'-6"	▲ 0'-6"	▼ 0'-6"	
525-40-8		525-40-8		525-40-8	
449-1(2)	449-2	449-2		449-2	
401-1	400-1	401-1	400-1	401-1	
210-160		210-170	210-165	210-165	
428-2					
462-1, 461-1	460-1	460-1	460-1	460-1	

manderson

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PLOT DATE: 5/5/2017

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BURNS & MCDONNELL
TWO COMMERCIAL SQUARE, SUITE 1000
PHILADELPHIA, PA 19106

1	10/12/2018	ELIMINATE WILSON SIDING & BAILLY MOW
ISSUE	DATE	DESCRIPTION

NORTHERN INDIANA COMMUTER
TRANSPORTATION DISTRICT
33 East Highway 12
Chesterton, Indiana 46304

Connectivity for Accelerated Growth
GARY TO MICHIGAN CITY, INDIANA

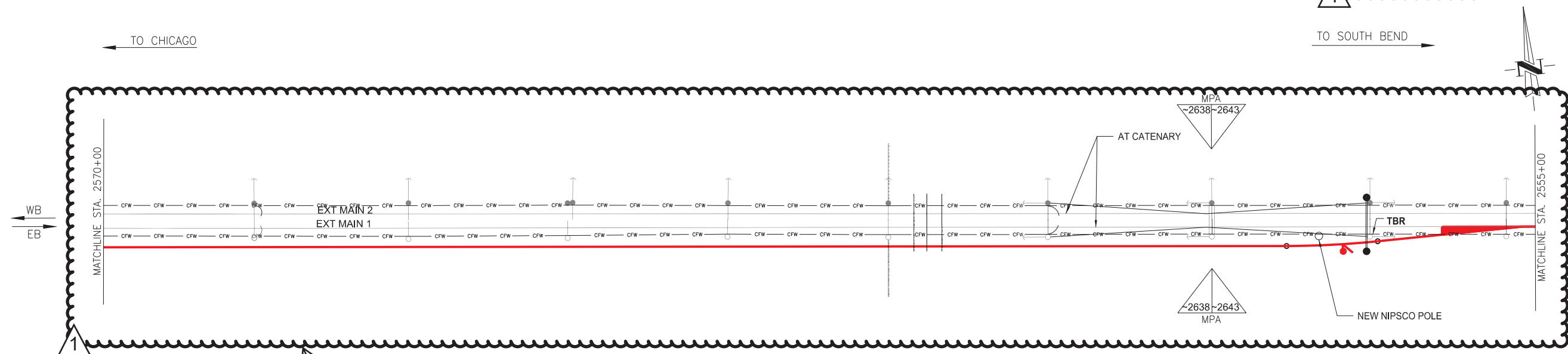
DESIGNED:	RSW
DRAWN:	VJC
CHECKED:	DP
DATE:	10/12/2018

NOT FOR CONSTRUCTION

SERIES OCS-134 OF

NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK NWI
OCS PLAN
STA 2585+00 TO 2570+00

FILENAME		SHEET
SCALE	-	62 OF 173

[illegible]

NOTE:

1. BOLD ITEMS IN ALLOCATION TABLES INDICATES NEW WORK.

EXISTING WILSON TRACK TO REMAIN AS-IS.
-PROPOSED WILSON SIDING ELIMINATED FROM PROJECT SCOPE.
DESIGN TO BE UPDATED ACCORDINGLY DURING FINAL DESIGN.

[illegible]

NOT FOR CONSTRUCTION SERIES OCS-135 OF

NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK NWI

OCS PLAN
STA 2570+00 TO 2555+00

FILENAME		SHEET 63 OF 173
SCALE	-	



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TWO COMMERCE SQUARE, 2001 MARKET ST, SUITE
200 ATLANTA, GA 30333

1	10/12/2018	ELIMINATE WILSON SIDING & BAILLY MOW
ISSUE	DATE	DESCRIPTION

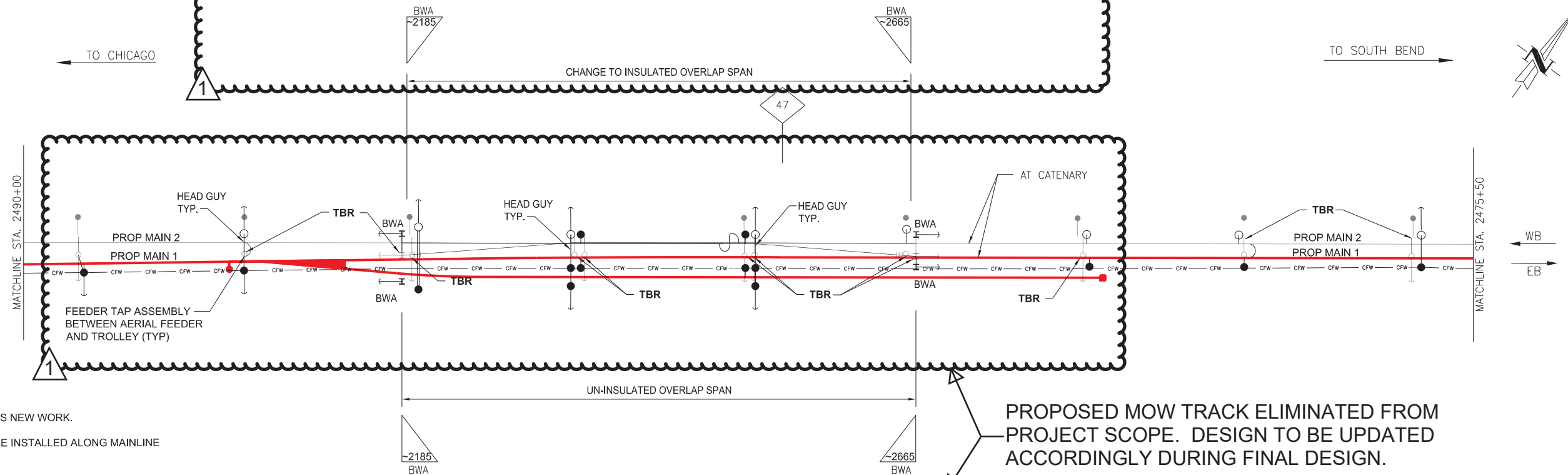


NORTHERN INDIANA COMMUTER
TRANSPORTATION DISTRICT
33 East Highway 12
Chesterton, Indiana 46304



GARY TO MICHIGAN CITY, INDIANA

DESIGNED:	RSW
DRAWN:	VJC
CHECKED:	DP
DATE:	10/12/2018

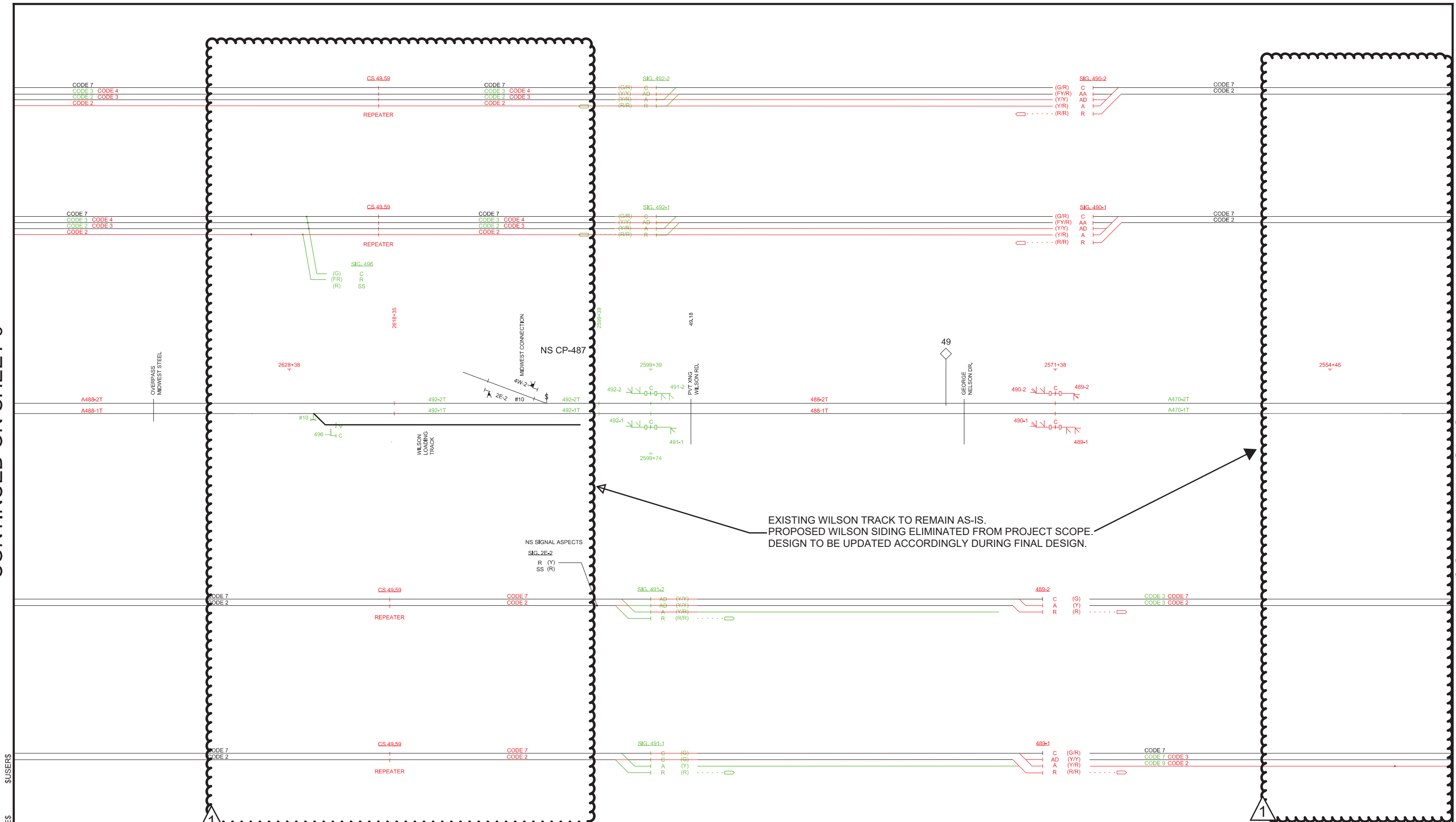
[illegible]

- NOTE:
1. BOLD ITEMS IN ALLOCATION TABLES INDICATES NEW WORK.
 2. TWO NEW 1000 MCM PARALLEL FEEDERS TO BE INSTALLED ALONG MAINLINE TRACKS, SEE SECTIONALIZING OCS-007.
 3. REPLACE SIGNAL POWER CONDUCTORS.
 4. RELOCATE NIPSCO WIRES TO NEW POLE LINE.

[illegible]

CONTINUED ON SHEET 9

CONTINUED ON SHEET 11



EXISTING WILSON TRACK TO REMAIN AS-IS.
PROPOSED WILSON SIDING ELIMINATED FROM PROJECT SCOPE.
DESIGN TO BE UPDATED ACCORDINGLY DURING FINAL DESIGN.

PLOT DATE: \$DATES\$ \$TIMES\$ \$USERS\$

HDR Engineering, Inc.
8550 W Bryn Mawr Ave., Suite 900
Chicago, IL 60631
www.hdrinc.com

BURNS ENGINEERING, INC. | 315 879-7700
TWO COLONNET SQUARE, 301 MARKET ST, SUITE 600
PHILADELPHIA, PA 19106

ISSUE	DATE	DESCRIPTION
1	10/12/2018	ELIMINATE WILSON SIDING & BAILLY MOW

NORTHERN INDIANA COMMUTER
TRANSPORTATION DISTRICT
33 East Highway 12
Chesterton, Indiana 46304

DOUBLE
TRACK
N.W.I.
Connectivity for Accelerated Growth
GARY TO MICHIGAN CITY, INDIANA

DESIGNED: MJP
DRAWN: LCH
CHECKED: WDW
DATE: 10/12/2018

NOT FOR CONSTRUCTION

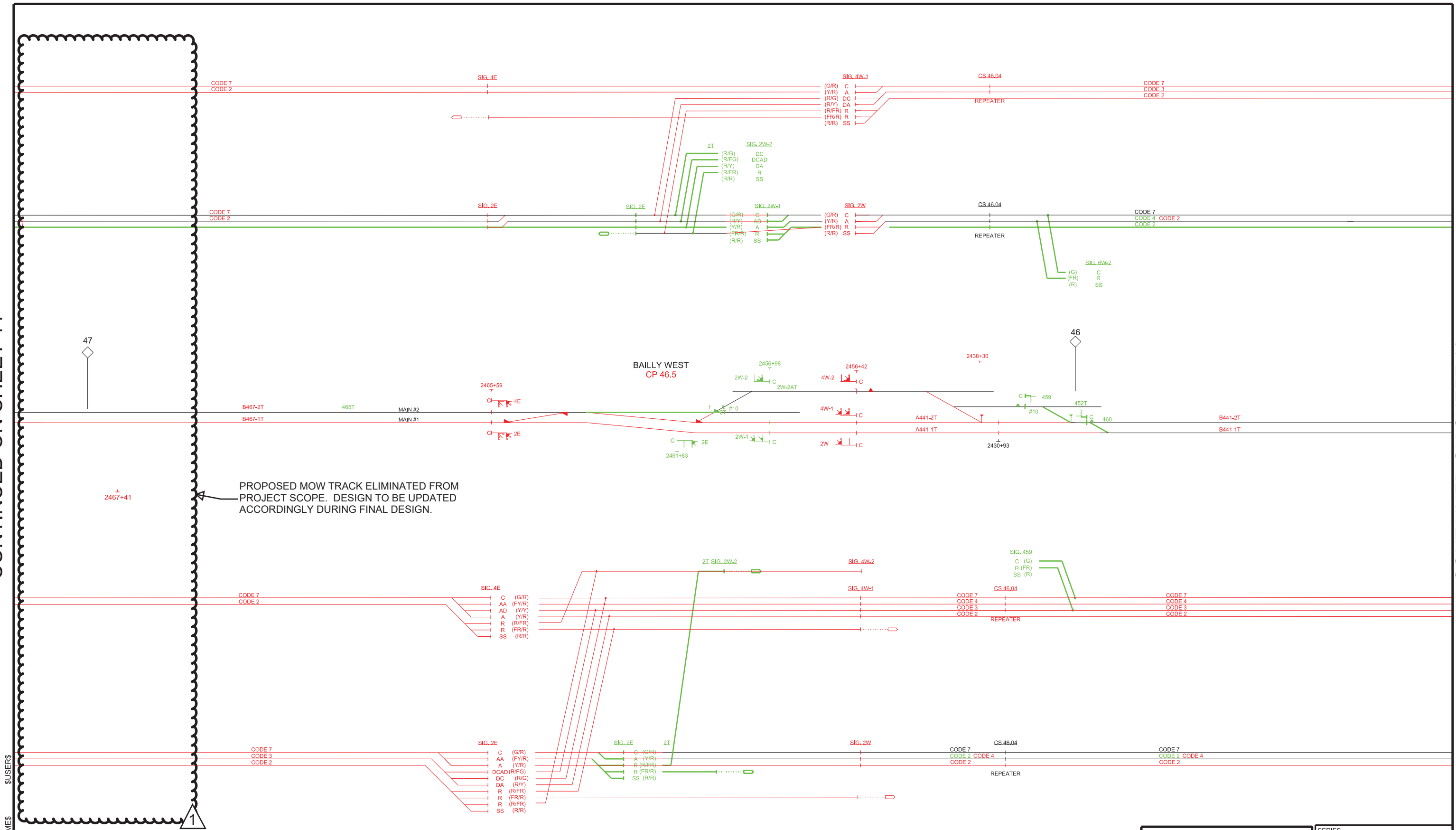
SERIES
SIG-010 OF

NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK NWI
CONTROL LINES
FROM SIG 497 TO INTERMEDIATE SIGS 489/490

FILENAME	\$FILES\$	SHEET
SCALE	NOT TO SCALE	10 OF 22

CONTINUED ON SHEET 11

CONTINUED ON SHEET 13



HDR
HDR Engineering, Inc.
8550 W Bryn Mawr Ave., Suite 900
Chicago, IL 60631
www.hdrinc.com

Burns
Burns Engineering, Inc. | 800 875-7769
Two Commerce Square, One Market St, Suite 600
Philadelphia, PA 19106

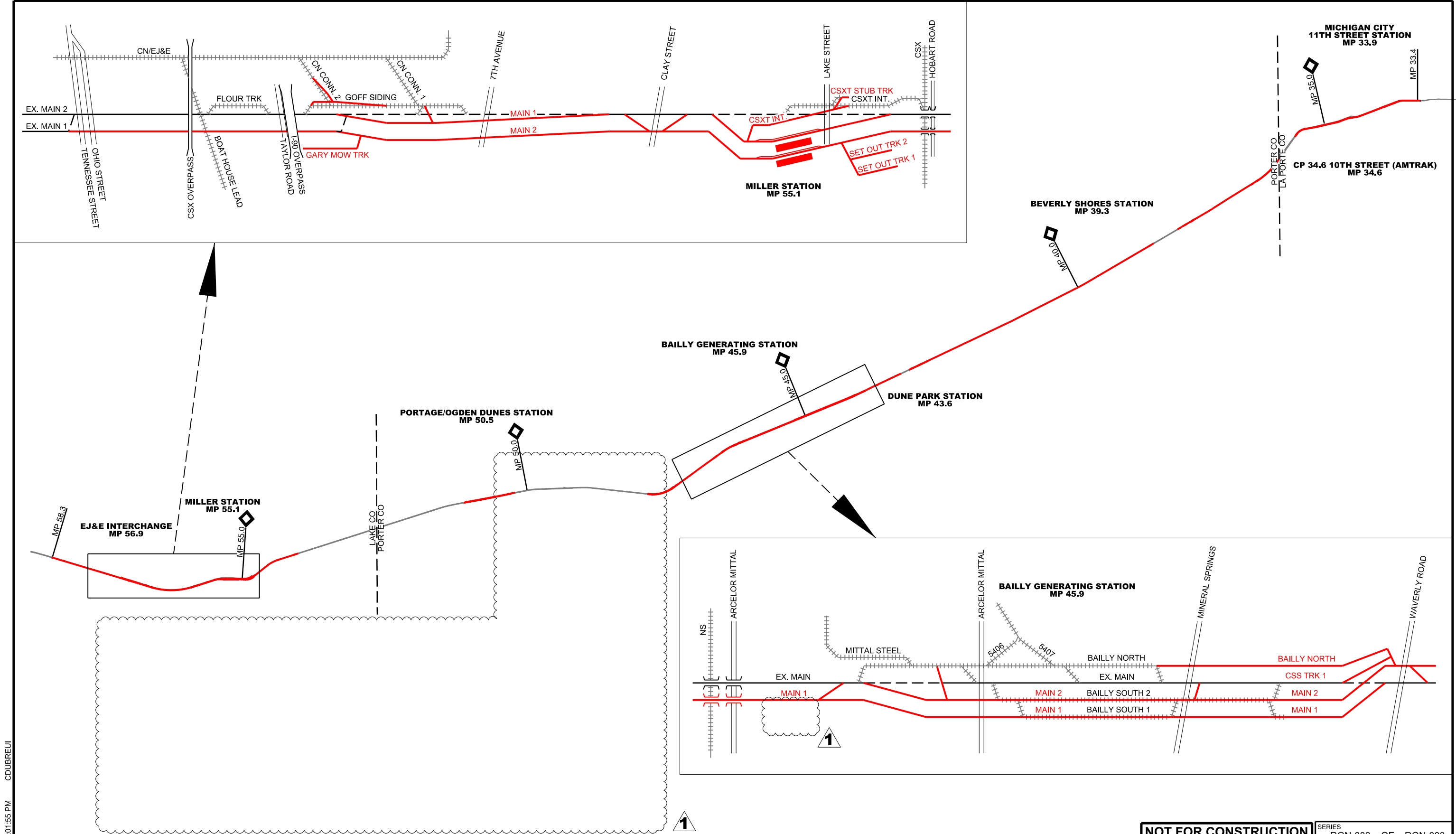
ISSUE	DATE	DESCRIPTION
1	10/12/2018	ELIMINATE WILSON SIDING & BAILLY MOW

NICTD
NORTHERN INDIANA COMMUTER
TRANSPORTATION DISTRICT
33 East Highway 12
Chesterton, Indiana 46304

DOUBLE TRACK N.W.I.
Connectivity for Accelerated Growth
GARY TO MICHIGAN CITY, INDIANA

DESIGNED: MJP
DRAWN: LCH
CHECKED: WDW
DATE: 10/12/2018

NOT FOR CONSTRUCTION		SERIES SIG-012	OF
NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8 DOUBLE TRACK NWI CONTROL LINES FROM SIG 470 TO CS 46.04			
FILENAME	\$FILE\$\$	SHEET	
SCALE	NOT TO SCALE	12 OF 22	



PLOT DATE: 10/11/2018 4:01:55 PM CDUBREUJ



ISSUE	DATE	DESCRIPTION
1	10/12/2018	ELIMINATE WILSON SIDING & BAILLY MOW
0	05/12/2017	FINAL PRELIMINARY DESIGN



DESIGNED:	HDR-WJJ
DRAWN:	MDR-WJJ
CHECKED:	HDR-ZDH
DATE:	OCTOBER 12, 2018

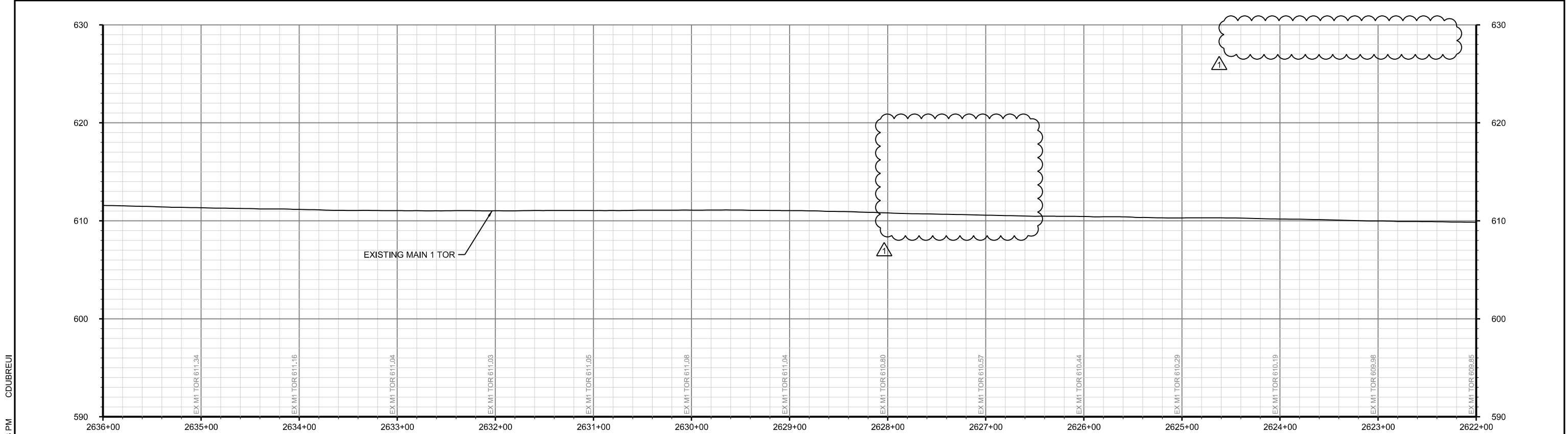
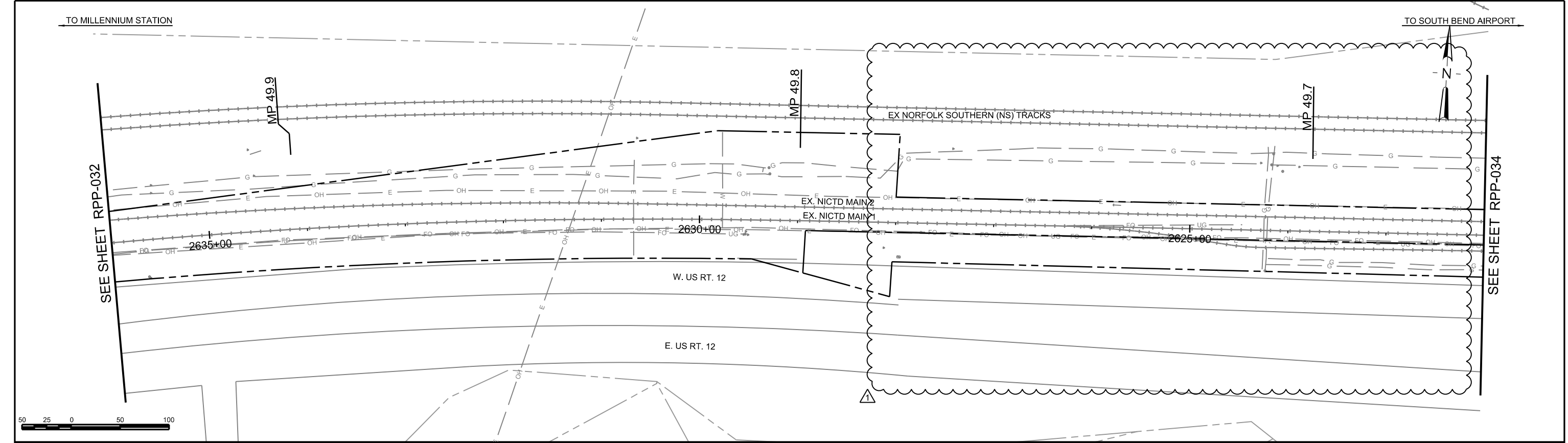
NOT FOR CONSTRUCTION

SERIES RGN-003 OF RGN-003

NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK-NWI

PROJECT OVERVIEW

FILENAME	NICTD_Project_Overview	SHEET
SCALE	AS NOTED	003 OF 193



PLOT DATE: 10/11/2018 4:21:23 PM CDUBREUJ

PROP MAIN 1 PROFILE

NOT FOR CONSTRUCTION SERIES RPP-033 OF RPP-138



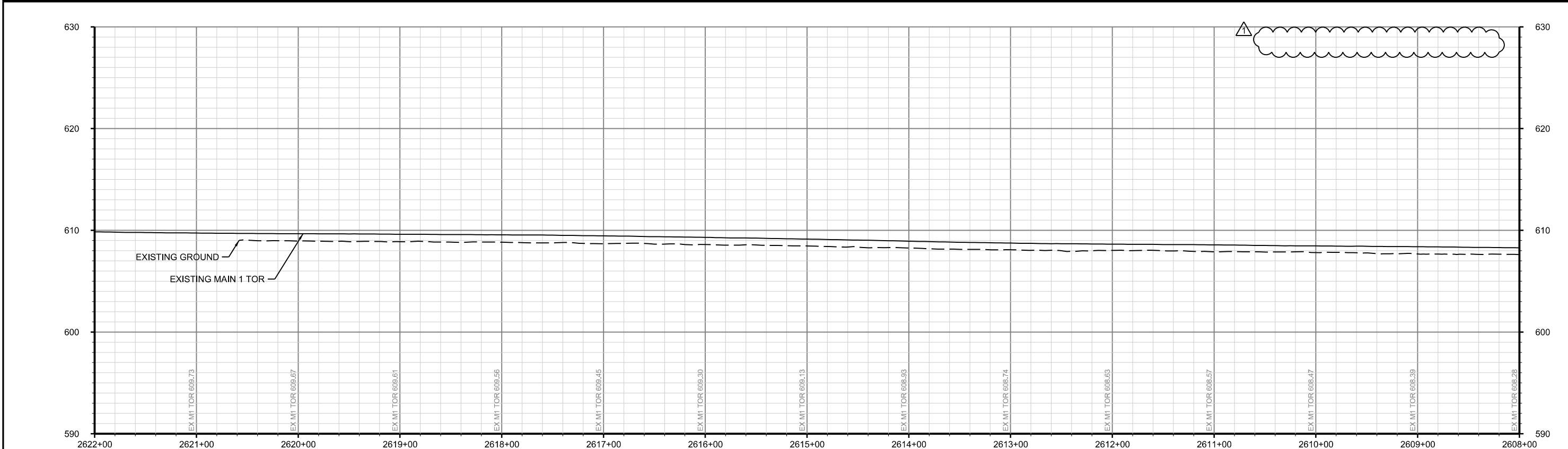
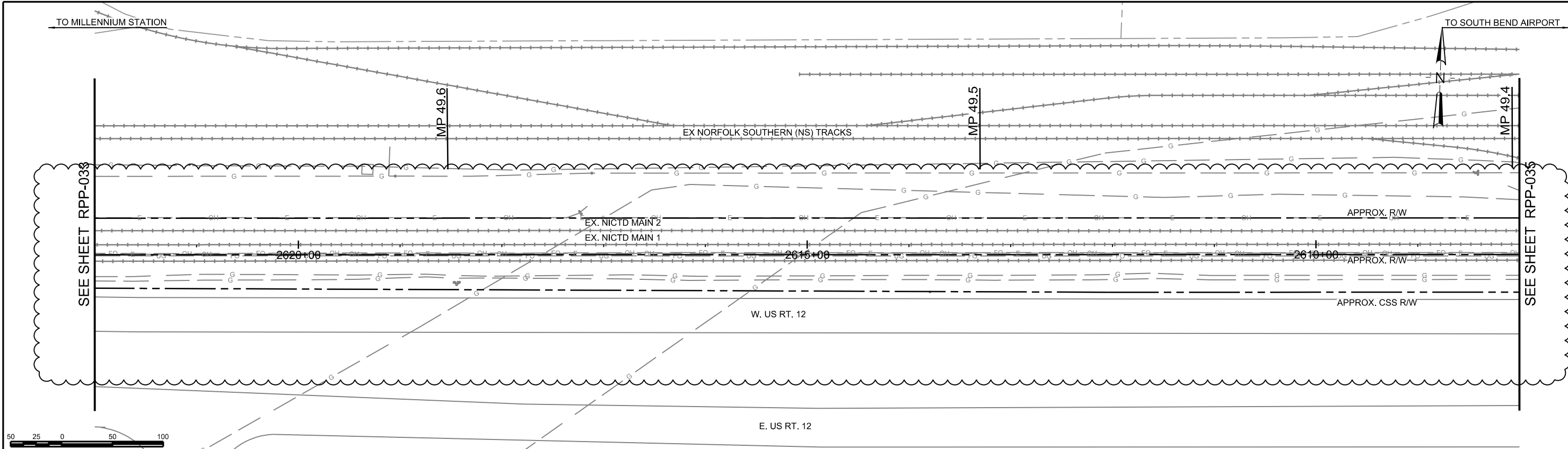
ISSUE	DATE	DESCRIPTION
1	10/12/2018	ELIMINATE WILSON SIDING & BAILLY MOW
0	05/12/2017	FINAL PRELIMINARY DESIGN



DESIGNED:	PEH-DJS
DRAWN:	PEI-ALH
CHECKED:	PEI-SPH
DATE:	OCTOBER 12, 2018

FILENAME	NICTD-R-ML01-PP-00
SCALE	AS NOTED

SHEET	042 OF 193
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PROP MAIN 1 PROFILE

NOT FOR CONSTRUCTION SERIES RPP-034 OF RPP-138

HDR Engineering, Inc.
8550 W Bryn Mawr Ave., Suite 900
Chicago, IL 60631
www.hdrinc.com

PATRICK
ENGINEERING

ISSUE	DATE	DESCRIPTION
1	10/12/2018	ELIMINATE WILSON SIDING & BAILLY MOW
0	05/12/2017	FINAL PRELIMINARY DESIGN

NORTHERN INDIANA COMMUTER
TRANSPORTATION DISTRICT
33 East Highway 12
Chesterton, Indiana 46304

DOUBLE
TRACK
N.W.I.
Connectivity for Accelerated Growth
MICHIGAN CITY TO GARY, INDIANA

DESIGNED:	PEI-DJS
DRAWN:	PEI-ALH
CHECKED:	PEI-SPH
DATE:	OCTOBER 12, 2018

FILENAME

SCALE

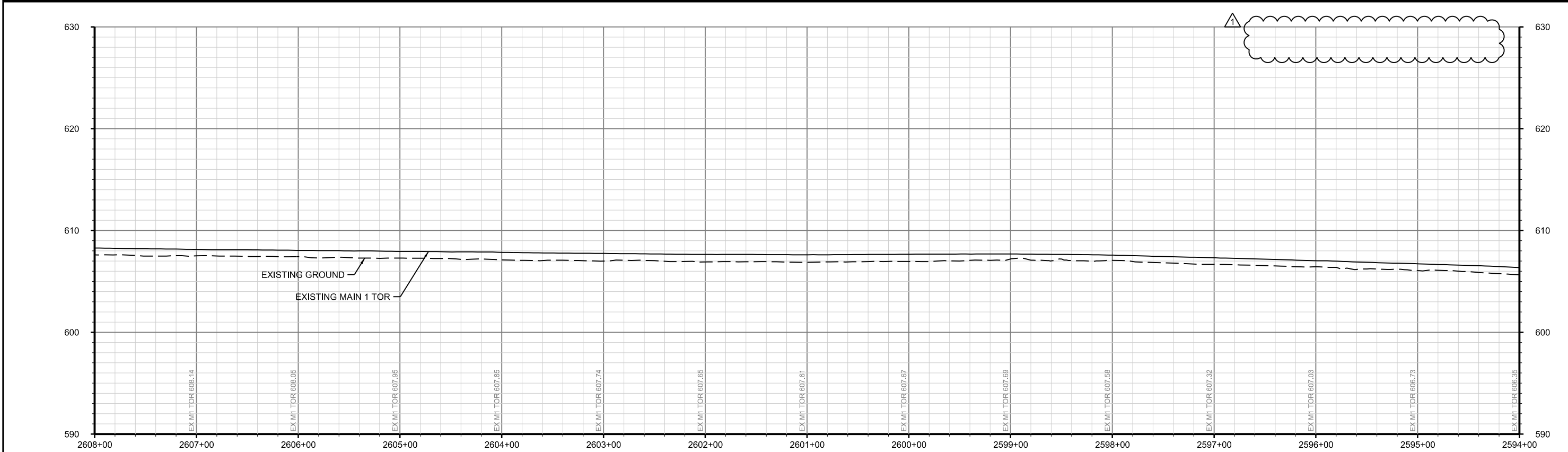
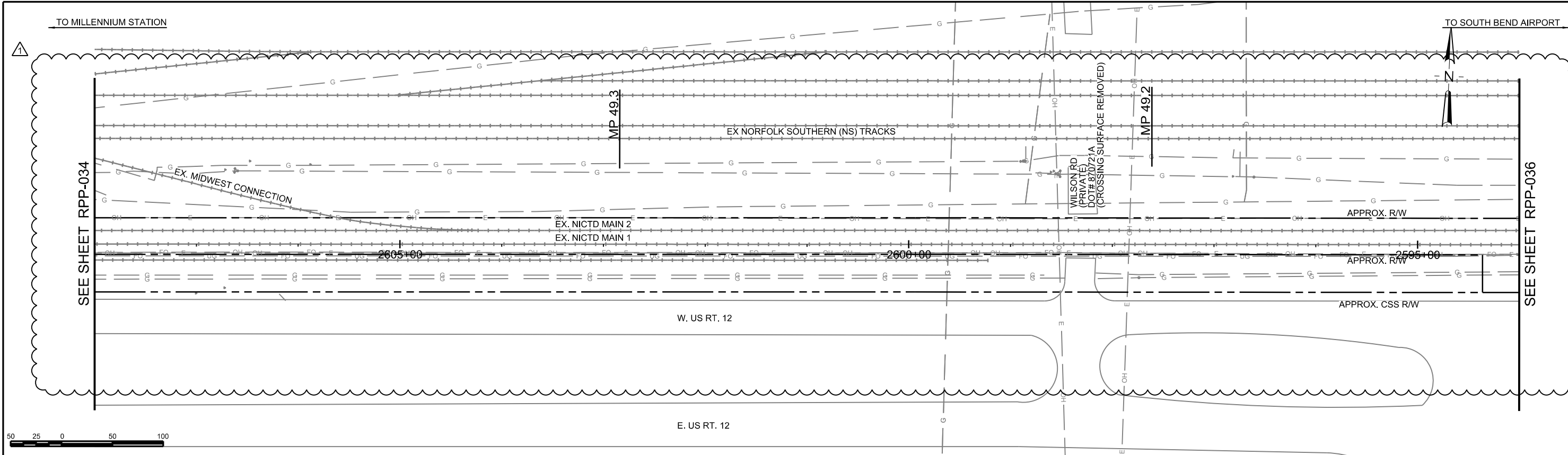
NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK-NWI

AS NOTED

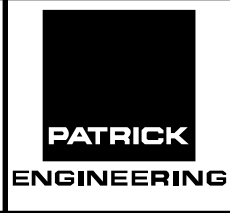
SHEET

043 OF 193

PLAN AND PROFILE
STA 2608+00 TO 2622+00
MP 49.4 TO 49.7



PLOT DATE: 10/11/2018 4:21:30 PM CDUBREUJ



ISSUE	DATE	DESCRIPTION
1	10/12/2018	ELIMINATE WILSON SIDING & BAILLY MOW
0	05/12/2017	FINAL PRELIMINARY DESIGN



DESIGNED:	PEI-DJS
DRAWN:	PEI-ALH
CHECKED:	PEI-SPH
DATE:	OCTOBER 12, 2018

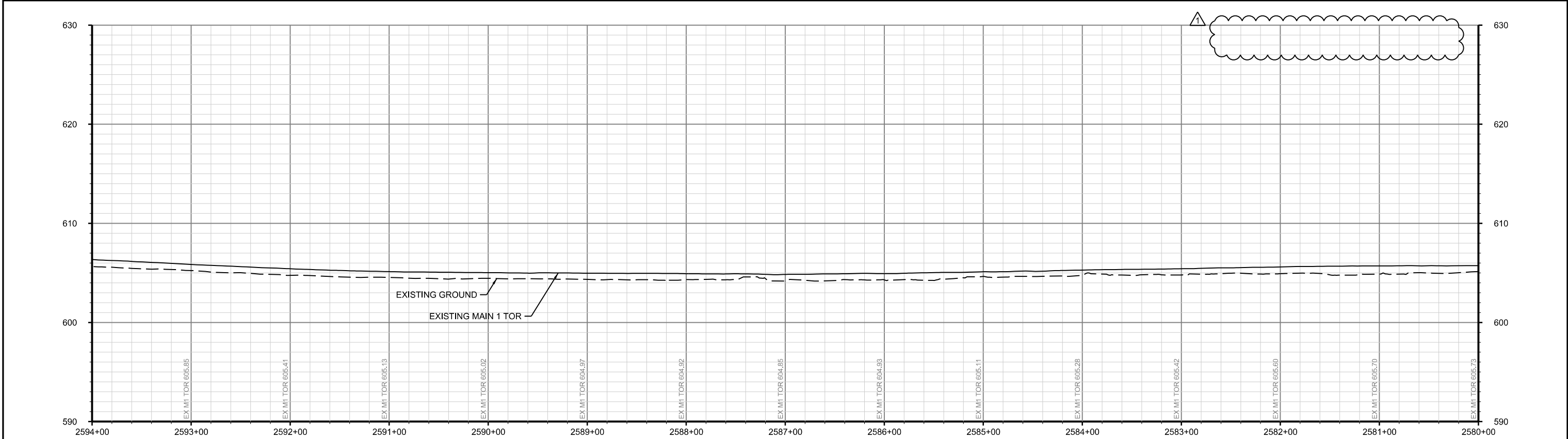
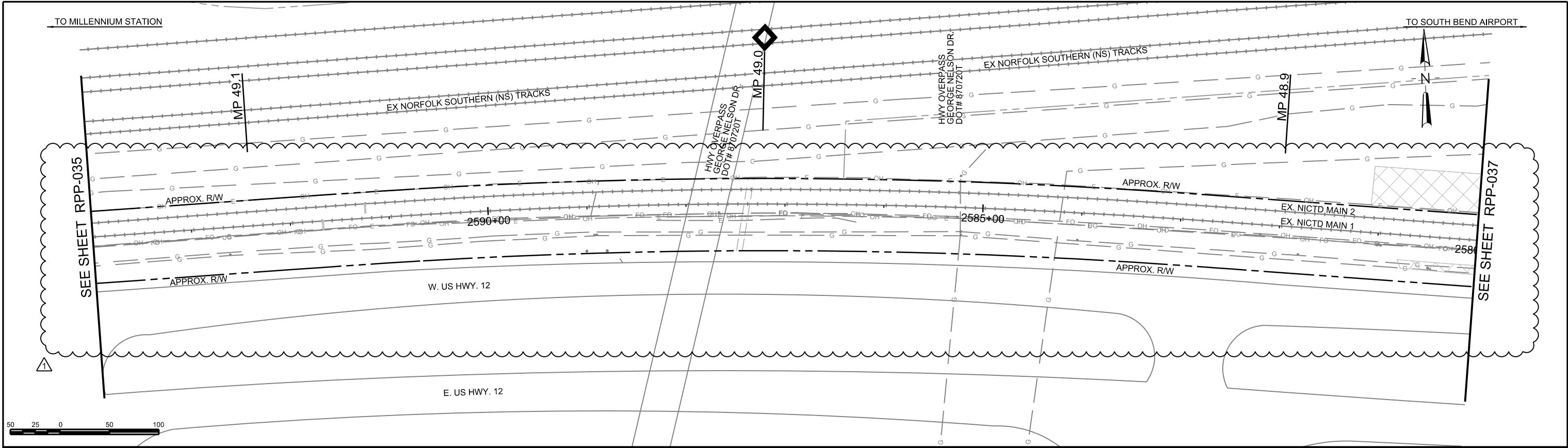
NOT FOR CONSTRUCTION

SERIES RPP-035 OF RPP-138

NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK-NWI

PLAN AND PROFILE
STA 2594+00 TO 2608+00
MP 49.1 TO 49.4

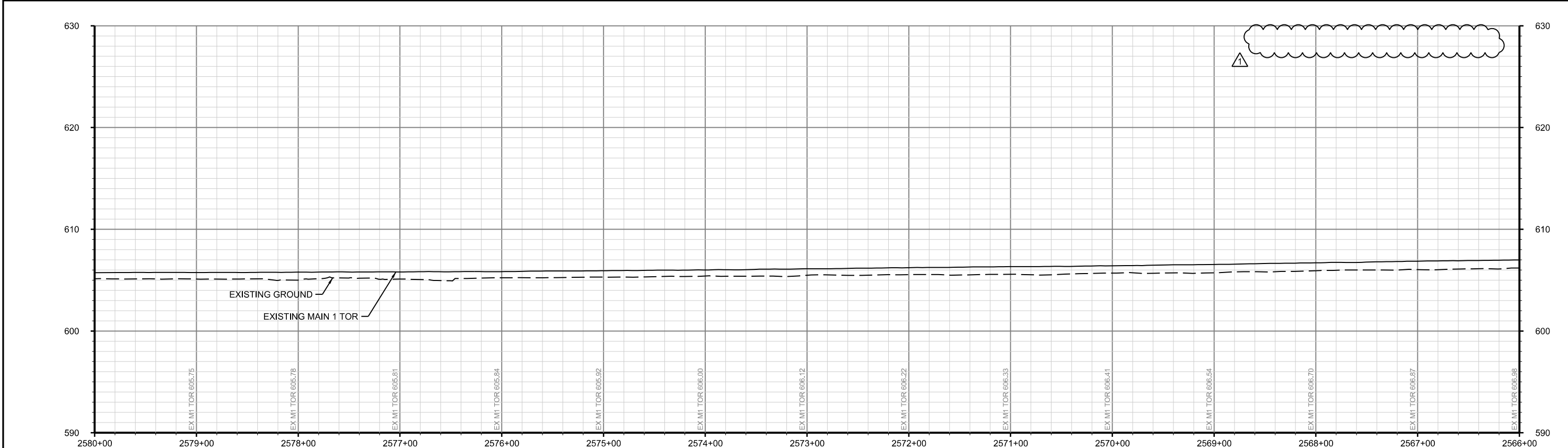
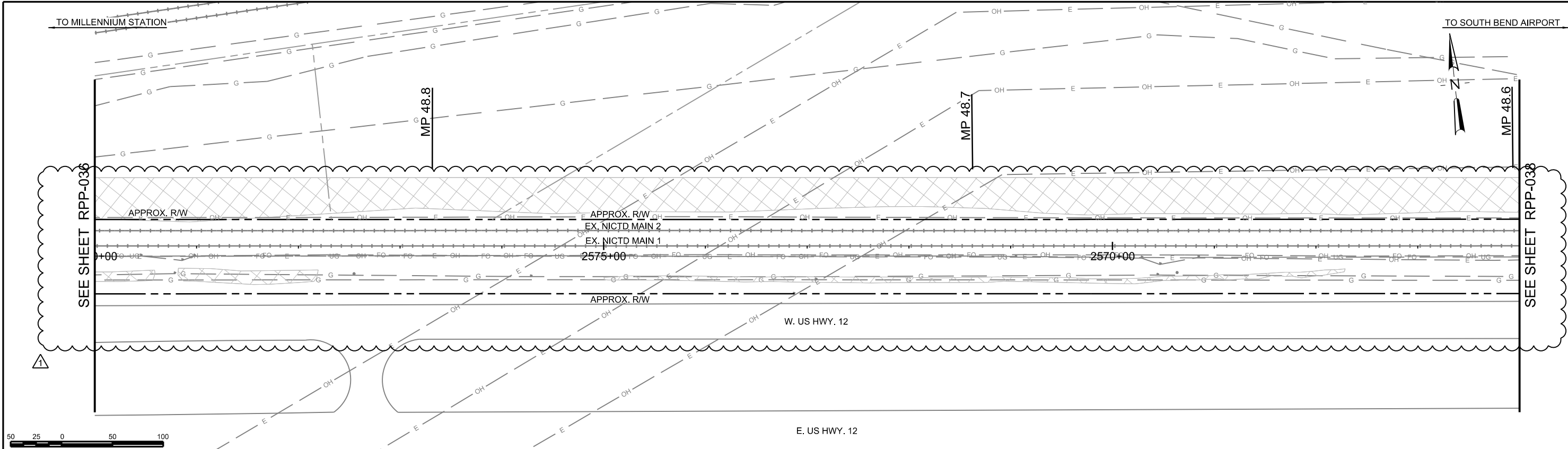
FILENAME	NICTD-R-ML01-PP-00	SHEET
SCALE	AS NOTED	044 OF 193



PROP MAIN 1 PROFILE

NOT FOR CONSTRUCTION SERIES RPP-036 OF RPP-138

 HDR Engineering, Inc. 8550 W Bryn Mawr Ave., Suite 900 Chicago, IL 60631 www.hdrinc.com	 PATRICK ENGINEERING	1	10/12/2018	ELIMINATE WILSON SIDING & BAILLY MOW
		0	05/12/2017	FINAL PRELIMINARY DESIGN
		ISSUE	DATE	DESCRIPTION
 NORTHERN INDIANA COMMUTER TRANSPORTATION DISTRICT 33 East Highway 12 Chesterton, Indiana 46304		 Connectivity for Accelerated Growth MICHIGAN CITY TO GARY, INDIANA		
		DESIGNED:	PEI-DJS	NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8 DOUBLE TRACK-NWI PLAN AND PROFILE STA 2580+00 TO 2594+00 MP 48.9 TO 49.1
		DRAWN:	PEI-ALH	
		CHECKED:	PEI-SPH	
		DATE:	OCTOBER 12, 2018	FILENAME: NICTD-R-ML01-PP-00 SCALE: AS NOTED
		SHEET 045 OF 193		



PROP MAIN 1 PROFILE

NOT FOR CONSTRUCTION SERIES RPP-037 OF RPP-138

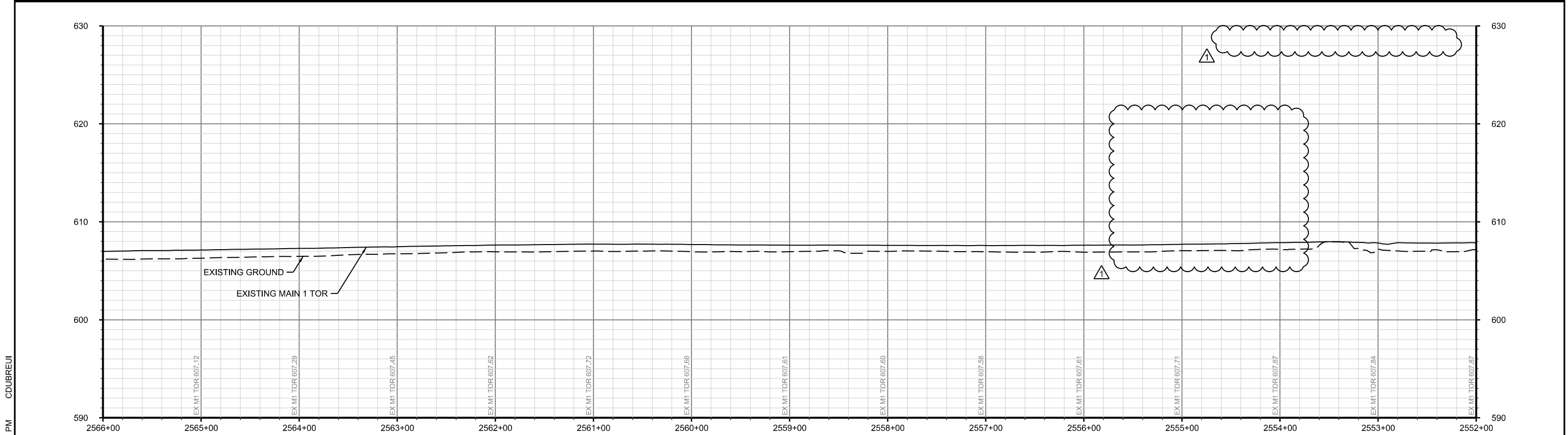
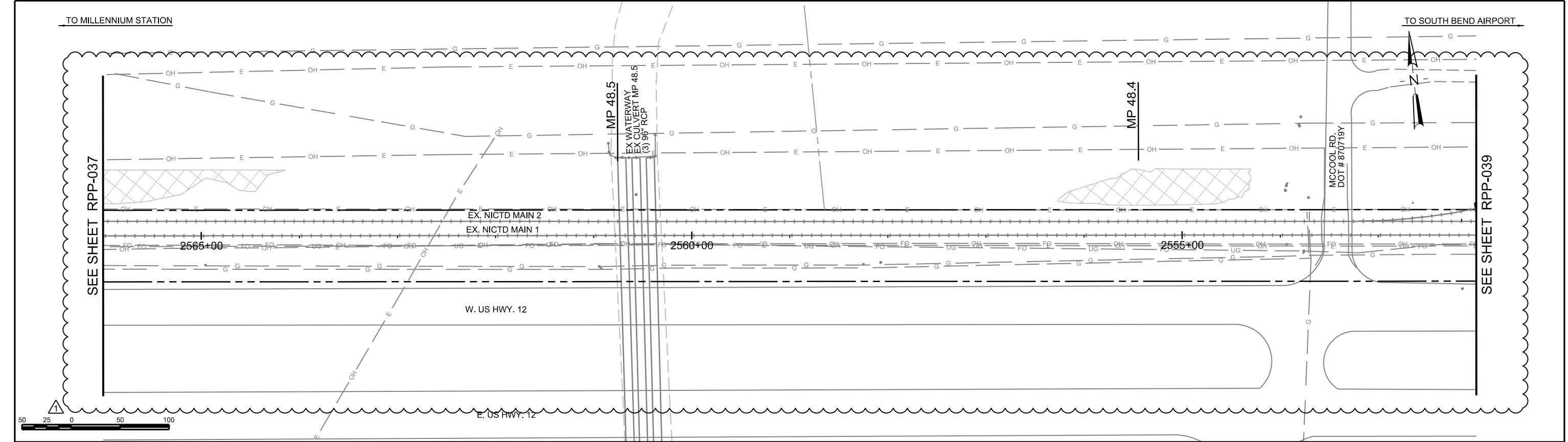


ISSUE	DATE	DESCRIPTION
1	10/12/2018	ELIMINATE WILSON SIDING & BAILLY MOW
0	05/12/2017	FINAL PRELIMINARY DESIGN



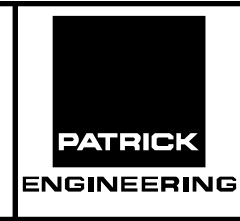
DESIGNED:	PEI-DJS
DRAWN:	PEI-ALH
CHECKED:	PEI-SPH
DATE:	OCTOBER 12, 2018

NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8 DOUBLE TRACK-NWI	
PLAN AND PROFILE STA 2566+00 TO 2580+00 MP 48.6 TO 48.9	
FILENAME	NICTD-R-ML01-PP-00
SCALE	AS NOTED
SHEET	046 OF 193



PROP MAIN 1 PROFILE

NOT FOR CONSTRUCTION SERIES RPP-038 OF RPP-138

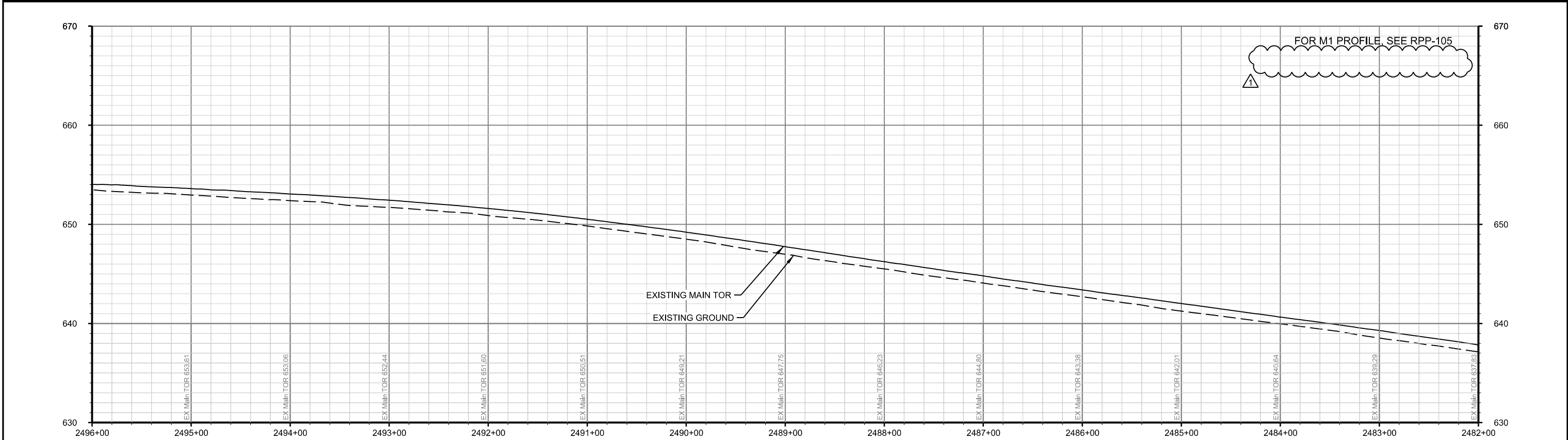
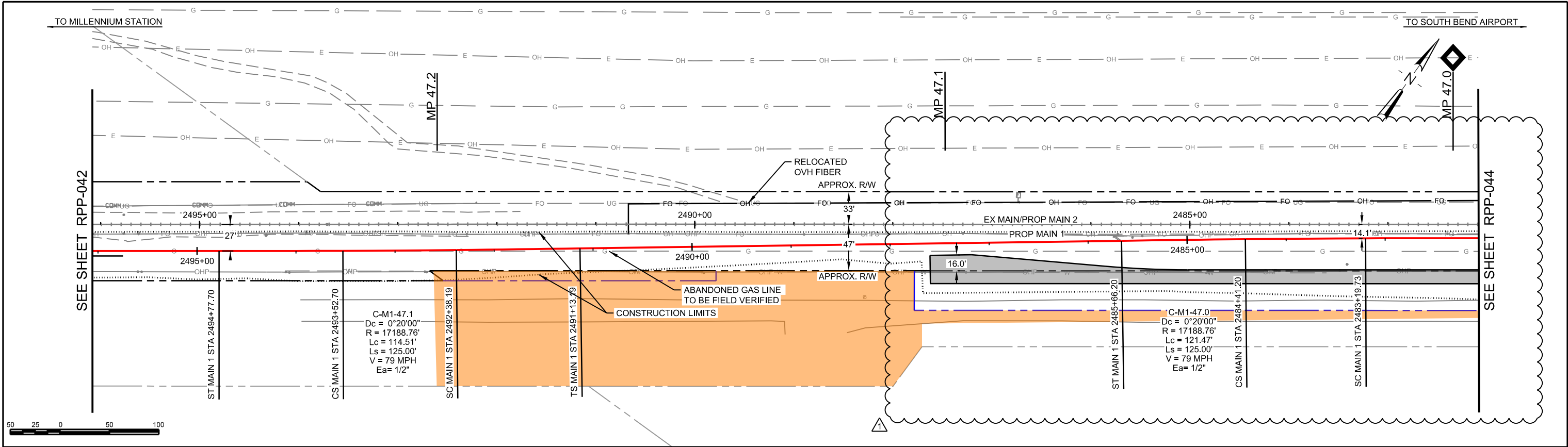


ISSUE	DATE	DESCRIPTION
1	10/12/2018	ELIMINATE WILSON SIDING & BAILLY MOW
0	05/12/2017	FINAL PRELIMINARY DESIGN



DESIGNED:	PEI-DJS
DRAWN:	PEI-ALH
CHECKED:	PEI-SPH
DATE:	OCTOBER 12, 2018

NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8 DOUBLE TRACK-NWI	
PLAN AND PROFILE STA 2552+00 TO 2566+00 MP 48.3 TO 48.6	
FILENAME	NICTD-R-ML01-PP-00
SCALE	AS NOTED
SHEET	047 OF 193



PROP MAIN 2 PROFILE

NOT FOR CONSTRUCTION SERIES RPP-043 OF RPP-138

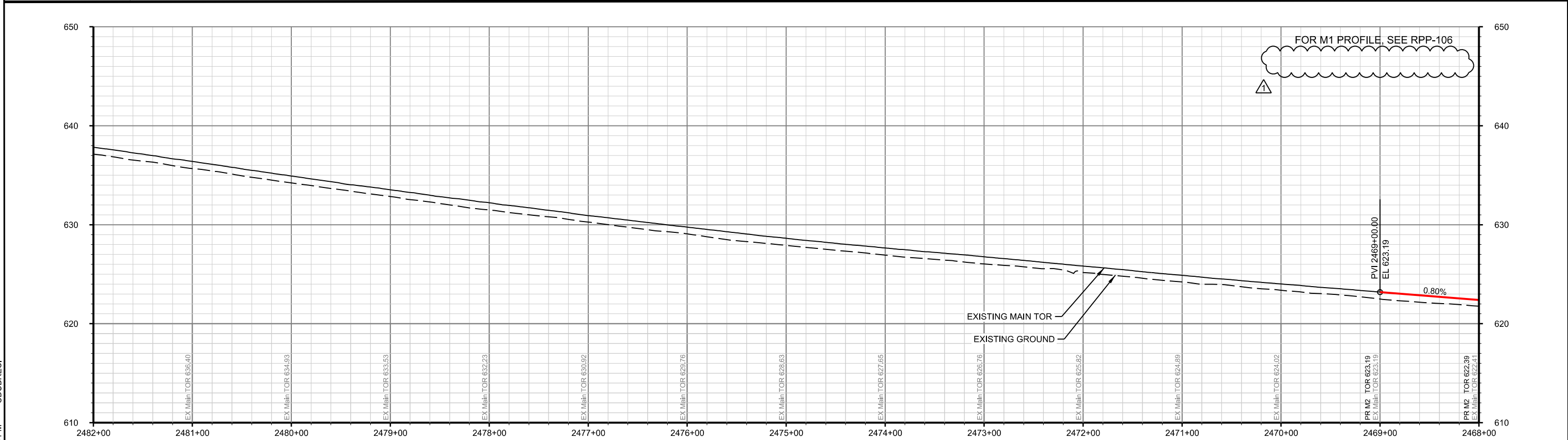
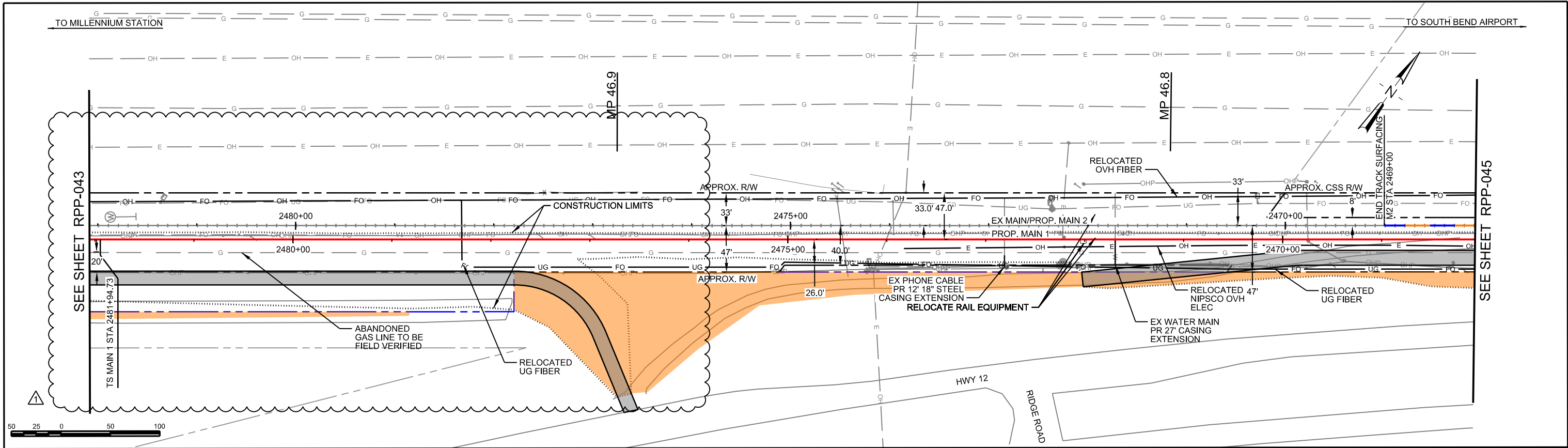


ISSUE	DATE	DESCRIPTION
1	10/12/2018	ELIMINATE WILSON SIDING & BAILLY MOW
0	05/12/2017	FINAL PRELIMINARY DESIGN



DESIGNED:	HDR-PJL
DRAWN:	HDR-WJJ
CHECKED:	HDR-ZDH
DATE:	OCTOBER 12, 2018

NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8 DOUBLE TRACK-NWI	
PLAN AND PROFILE STA 2482+00 TO 2496+00 MP 47.0 TO 47.3	
FILENAME	NICTD-R-ML01-PP-00
SCALE	AS NOTED
SHEET 052 OF 193	



PROP MAIN 2 PROFILE

NOT FOR CONSTRUCTION

SERIES RPP-044 OF RPP-138



HDR Engineering, Inc.
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ISSUE	DATE	DESCRIPTION
1	10/12/2018	ELIMINATE WILSON SIDING & BAILLY MOW
0	05/12/2017	FINAL PRELIMINARY DESIGN



NORTHERN INDIANA COMMUTER
TRANSPORTATION DISTRICT
33 East Highway 12
Chesterton, Indiana 46304



Connectivity for Accelerated Growth
MICHIGAN CITY TO GARY, INDIANA

DESIGNED:	HDR-PJL
DRAWN:	HDR-WJJ
CHECKED:	HDR-ZDH
DATE:	OCTOBER 12, 2018

FILENAME	NICTD-R-ML01-PP-00	SHEET
SCALE	AS NOTED	053 OF 193

PLAN AND PROFILE
STA 2468+00 TO 2482+00
MP 46.7 TO 47.0

PLOT DATE: 10/11/2018 4:22:03 PM CDUBREUJ

PLOT DATE: 10/11/2018 4:26:50 PM CDUBREUI





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1	10/12/2018	ELIMINATE WILSON SIDING & BAILLY MOW
0	05/12/2017	FINAL PRELIMINARY DESIGN
ISSUE	DATE	DESCRIPTION



NORTHERN INDIANA COMMUTER
TRANSPORTATION DISTRICT
33 East Highway 12
Chesterton, Indiana 46304



Connectivity for Accelerated Growth
MICHIGAN CITY TO GARY, INDIANA

DESIGNED:	HDR-PJL
DRAWN:	HDR-WJJ
CHECKED:	HDR-ZDH
DATE:	OCTOBER 12, 2018

NOT FOR CONSTRUCTION

SERIES
RPP-128 OF RPP-138

NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK-NWI

FILENAME	NICTD-R-ML01-PP-00	SHEET
SCALE	AS NOTED	137 OF 193

PLOT DATE: 10/11/2018 4:26:51 PM CDUBREUJ





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8550 W Bryn Mawr Ave., Suite 900
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1	10/12/2018	ELIMINATE WILSON SIDING & BAILLY MOW
0	05/12/2017	FINAL PRELIMINARY DESIGN
ISSUE	DATE	DESCRIPTION



NORTHERN INDIANA COMMUTER
TRANSPORTATION DISTRICT
33 East Highway 12
Chesterton, Indiana 46304



Connectivity for Accelerated Growth
MICHIGAN CITY TO GARY, INDIANA

DESIGNED:	HDR-PJL
DRAWN:	HDR-WJJ
CHECKED:	HDR-ZDH
DATE:	OCTOBER 12, 2018

NOT FOR CONSTRUCTION

SERIES
RPP-129 OF RPP-138

NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK-NWI

FILENAME	NICTD-R-ML01-PP-00	SHEET
SCALE	AS NOTED	138 OF 193

PLOT DATE: 10/11/2018 4:26:52 PM CDUBREUI

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HDR Engineering, Inc.
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1	10/12/2018	ELIMINATE WILSON SIDING & BAILLY MOW
0	05/12/2017	FINAL PRELIMINARY DESIGN
ISSUE	DATE	DESCRIPTION



NORTHERN INDIANA COMMUTER
TRANSPORTATION DISTRICT
33 East Highway 12
Chesterton, Indiana 46304



Connectivity for Accelerated Growth

MICHIGAN CITY TO GARY, INDIANA

DESIGNED:	HDR-PJL
DRAWN:	HDR-WJJ
CHECKED:	HDR-ZDH
DATE:	OCTOBER 12, 2018

NOT FOR CONSTRUCTION

SERIES
RPP-130 OF RPP-138

NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK-NWI

FILENAME	NICTD-R-ML01-PP-00
SCALE	AS NOTED

SHEET
139 OF 193

PLOT DATE: 10/11/2018 4:26:53 PM CDUBREUI

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1	10/12/2018	ELIMINATE WILSON SIDING & BAILLY MOW
0	05/12/2017	FINAL PRELIMINARY DESIGN
ISSUE	DATE	DESCRIPTION



NORTHERN INDIANA COMMUTER
TRANSPORTATION DISTRICT
33 East Highway 12
Chesterton, Indiana 46304



Connectivity for Accelerated Growth
MICHIGAN CITY TO GARY, INDIANA

DESIGNED:	HDR-PJL
DRAWN:	HDR-WJJ
CHECKED:	HDR-ZDH
DATE:	OCTOBER 12, 2018

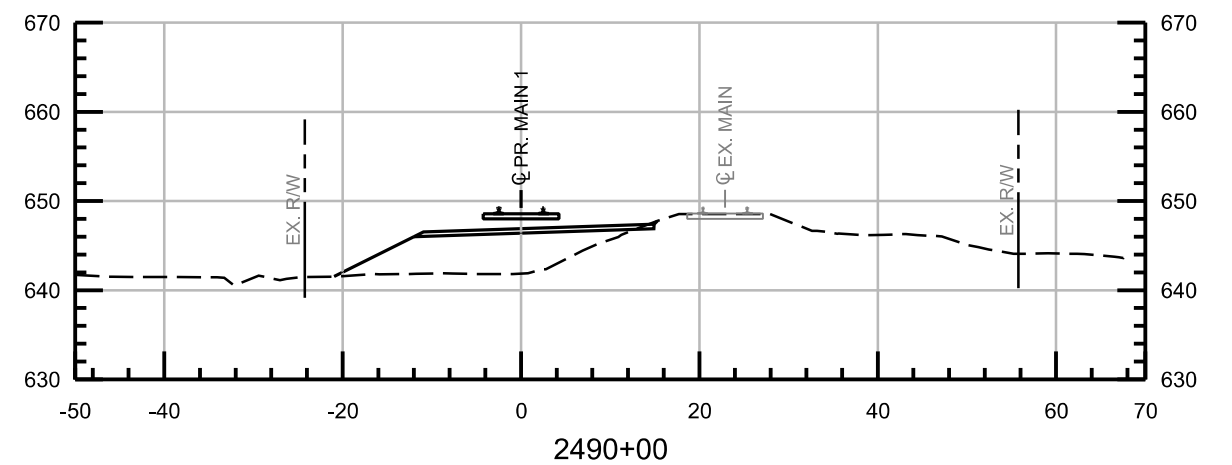
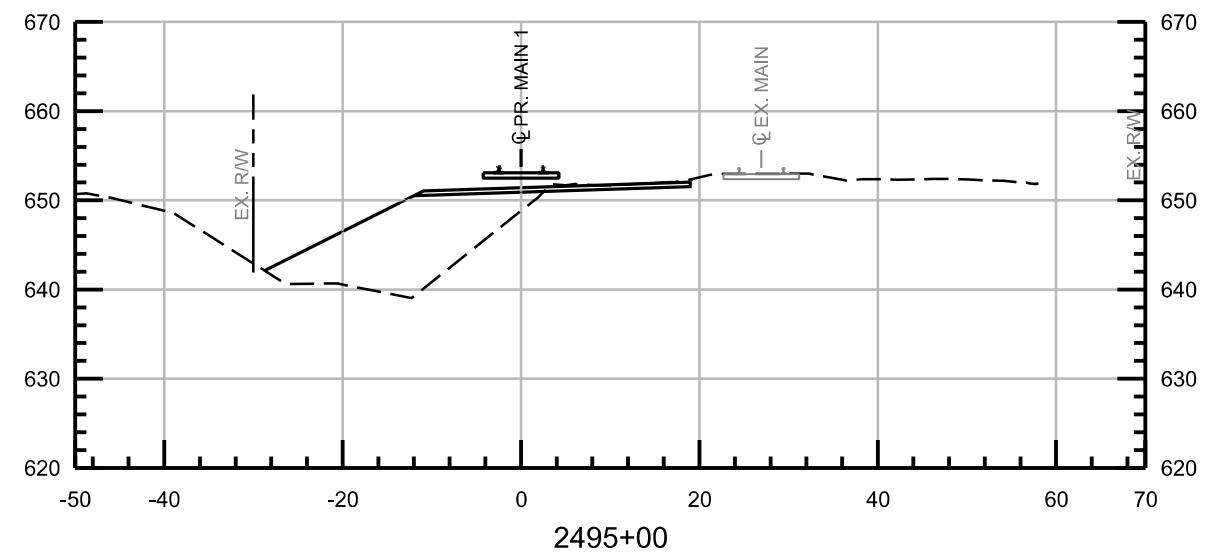
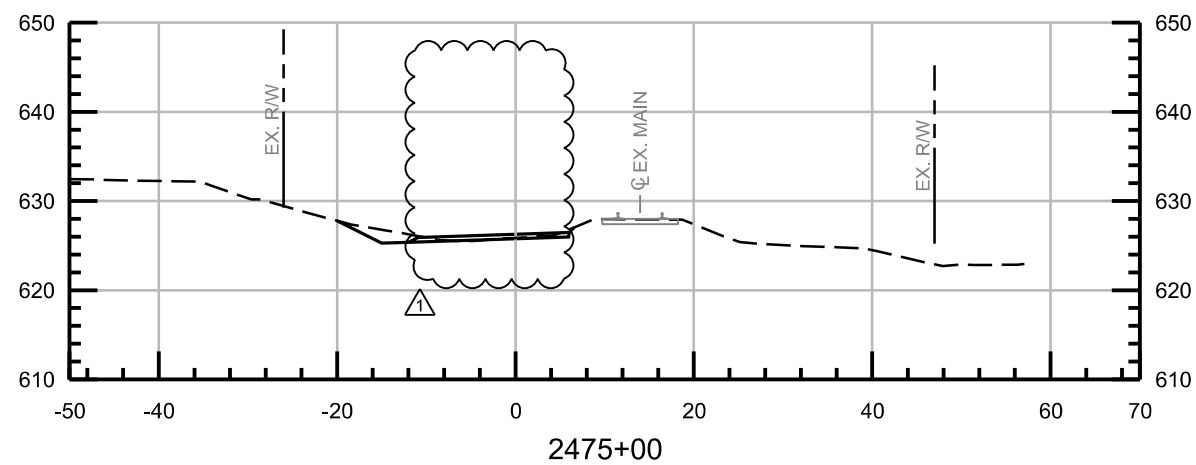
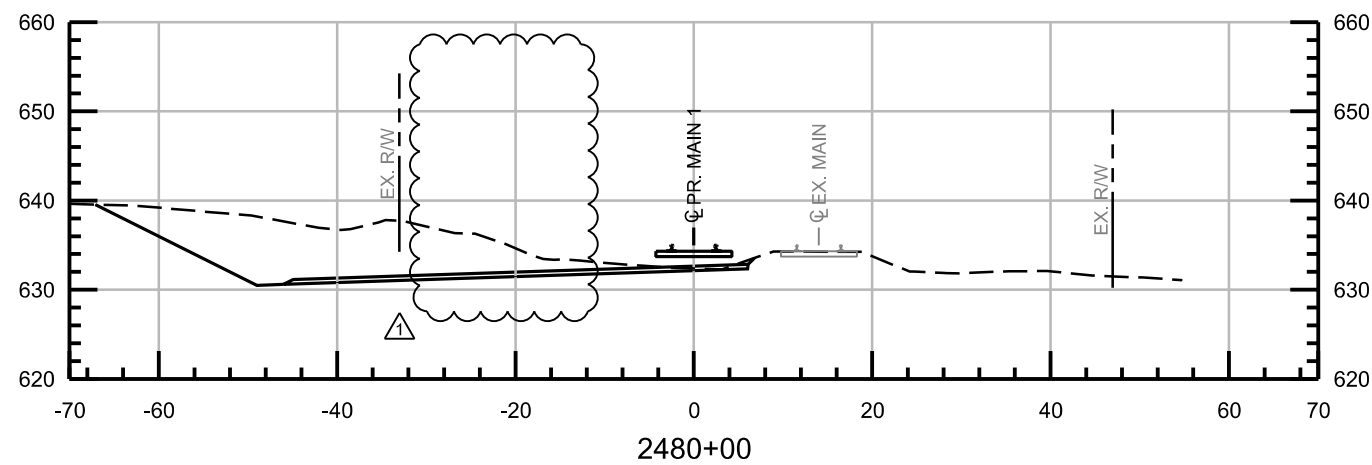
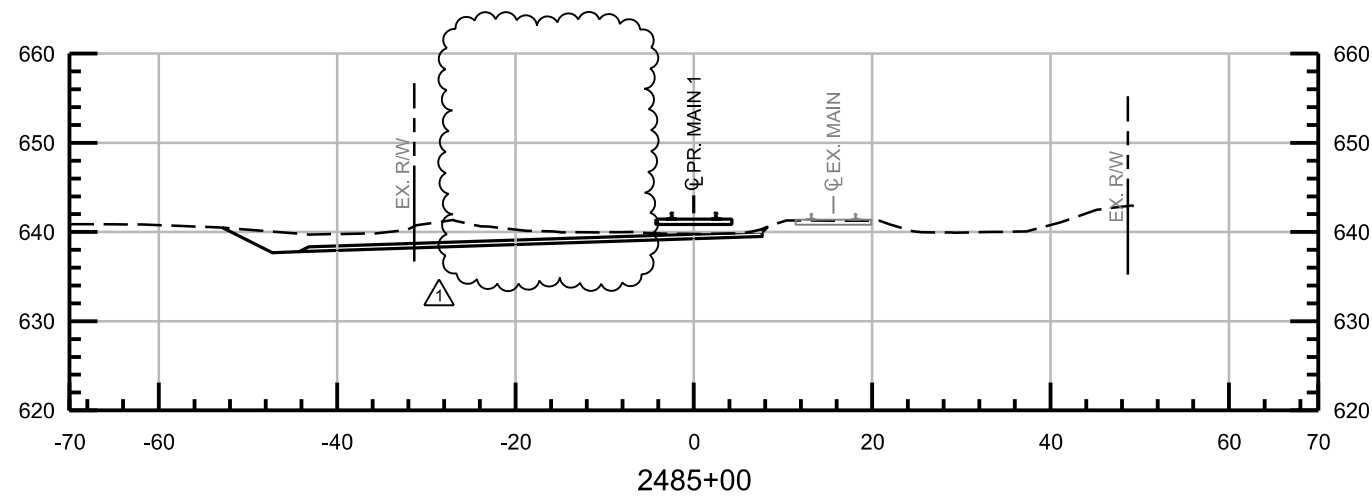
NOT FOR CONSTRUCTION

SERIES
RPP-131 OF RPP-138

NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK-NWI

FILENAME	NICTD-R-ML01-PP-00
SCALE	AS NOTED

SHEET
140 OF 193



NOT FOR CONSTRUCTION SERIES RXS-025 OF RXS-046

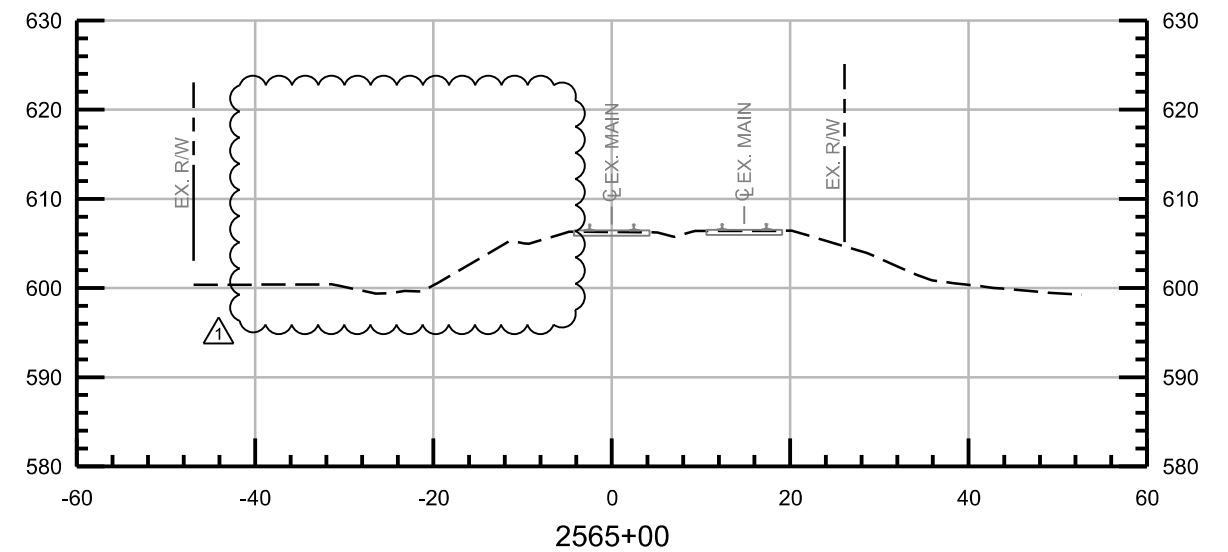
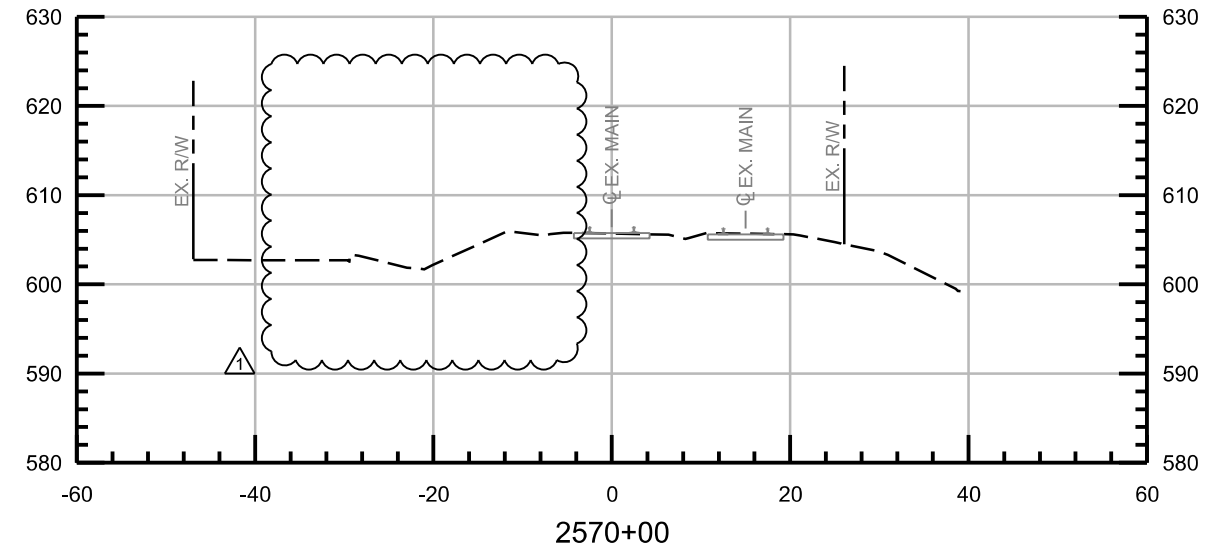
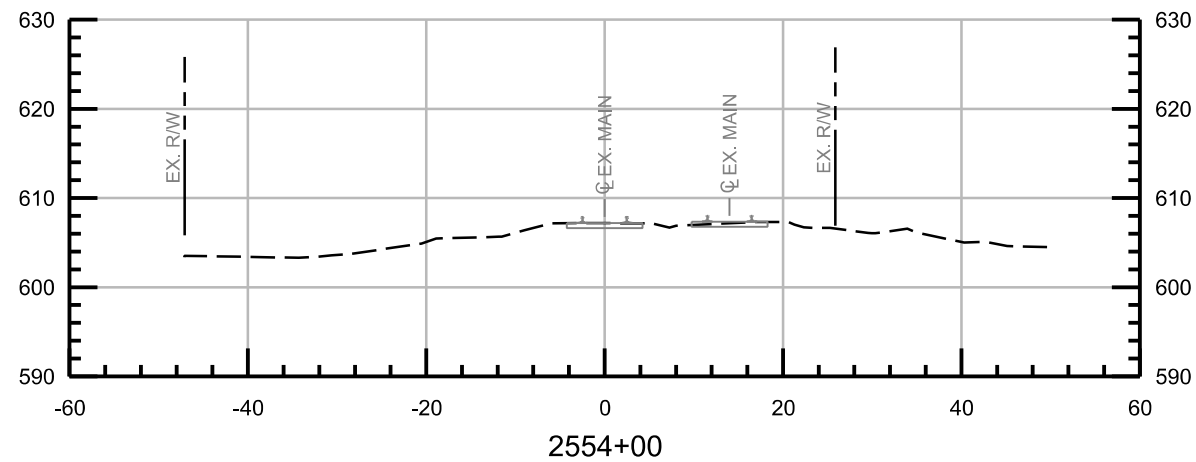
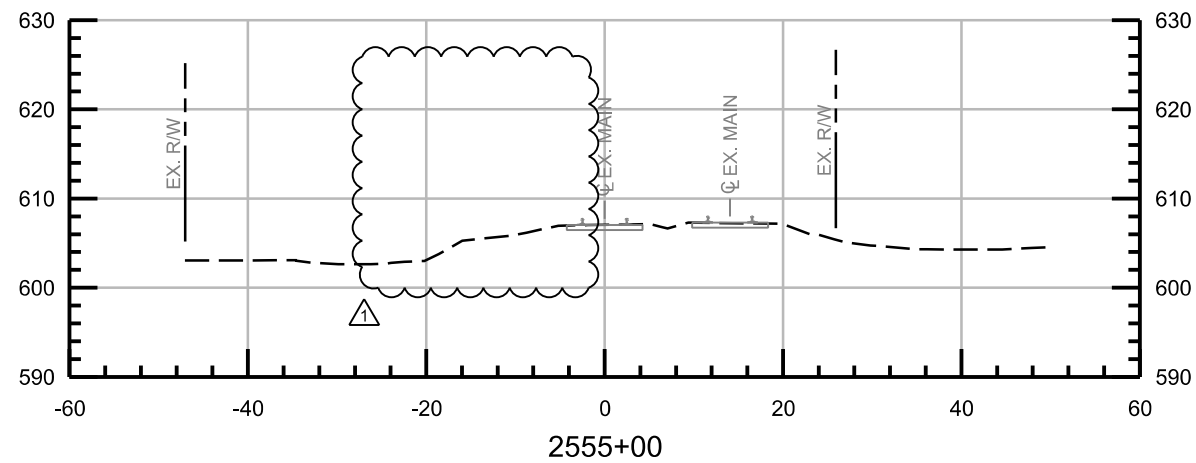
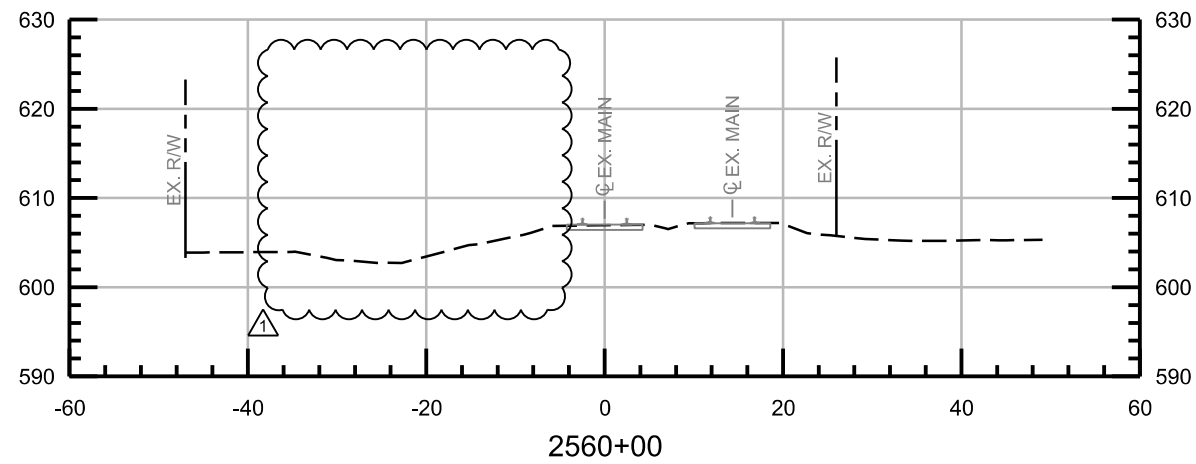


ISSUE	DATE	DESCRIPTION
1	10/12/2018	ELIMINATE WILSON SIDING & BAILLY MOW
0	05/12/2017	FINAL PRELIMINARY DESIGN



DESIGNED:	HDR-PJL
DRAWN:	HDR-WJJ
CHECKED:	HDR-ZDH
DATE:	OCTOBER 12, 2018

NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8 DOUBLE TRACK-NWI	
CROSS SECTIONS STA 2475+00 TO STA 2495+00	
FILENAME	NICTD_R_ML01_XS-00
SCALE	AS NOTED
SHEET	172 OF 193



NOT FOR CONSTRUCTION SERIES RXS-029 OF RXS-046

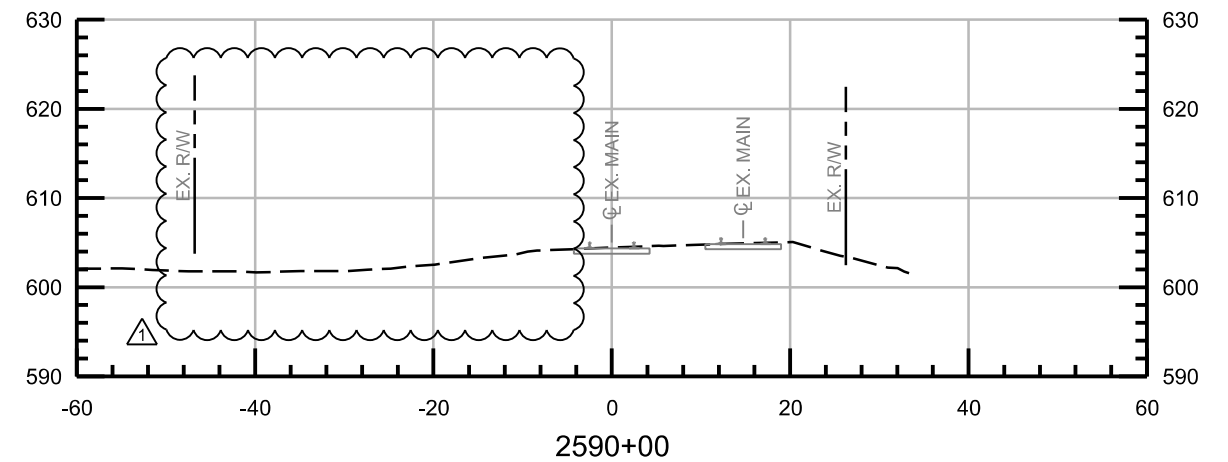
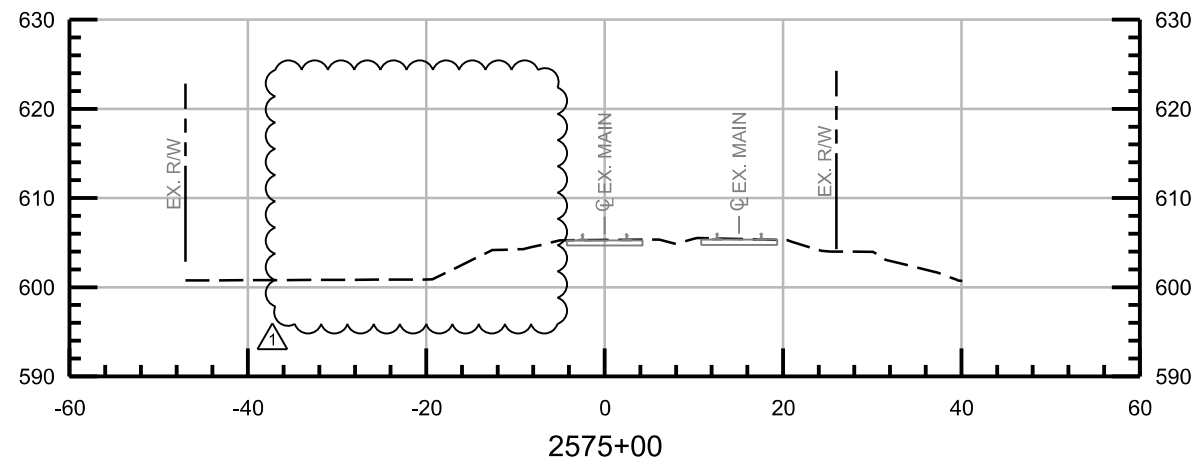
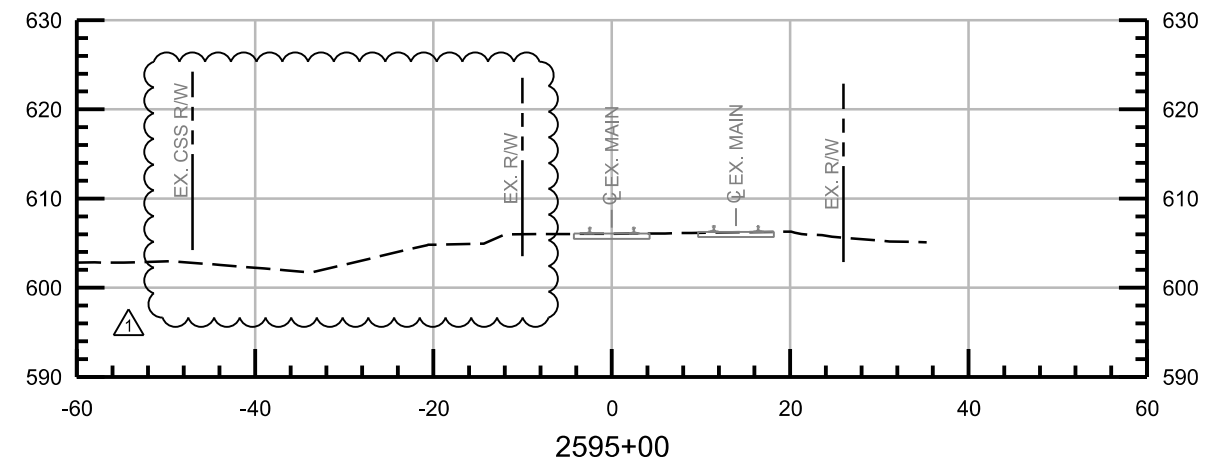
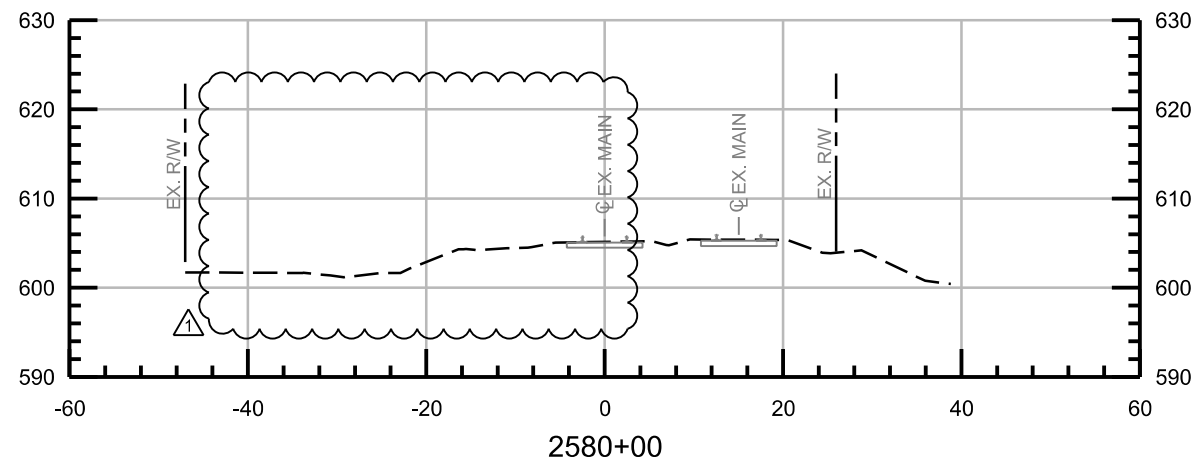
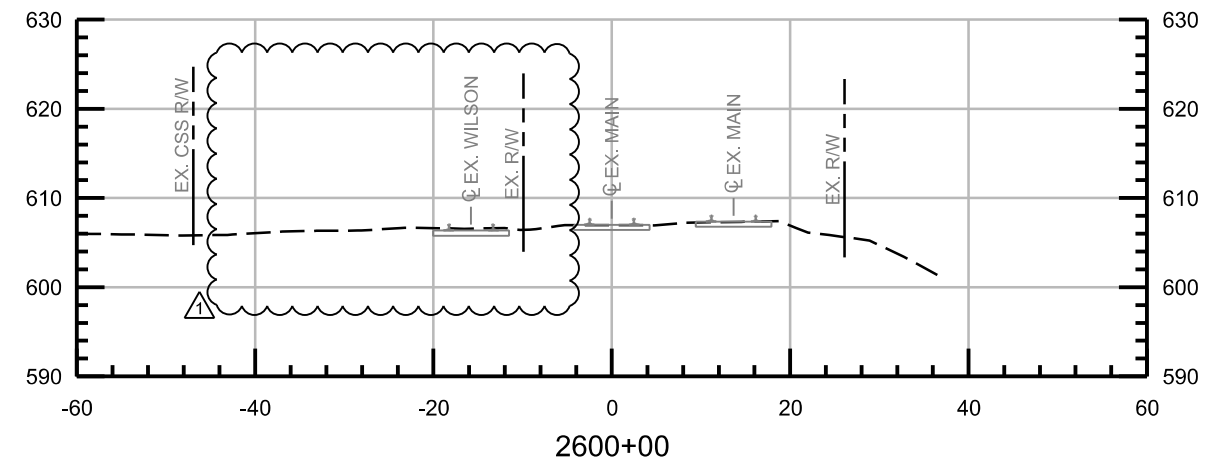
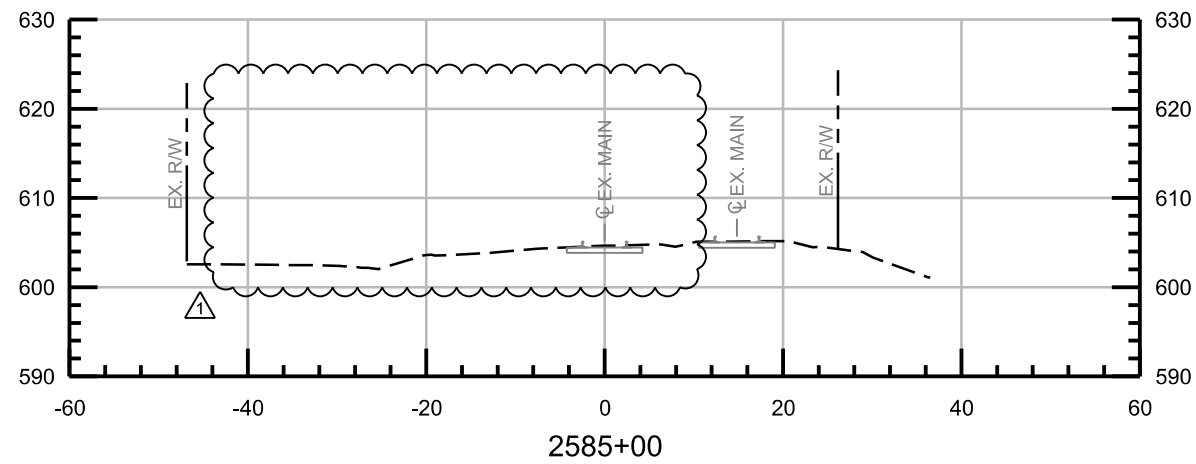


ISSUE	DATE	DESCRIPTION
1	10/12/2018	ELIMINATE WILSON SIDING & BAILLY MOW
0	05/12/2017	FINAL PRELIMINARY DESIGN



DESIGNED:	HDR-PJL
DRAWN:	HDR-WJJ
CHECKED:	HDR-ZDH
DATE:	OCTOBER 12, 2018

NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8 DOUBLE TRACK-NWI	
CROSS SECTIONS STA 2554+00 TO STA 2570+00	
FILENAME	NICTD_R_ML01_XS-00
SCALE	AS NOTED
SHEET	176 OF 193



NOT FOR CONSTRUCTION SERIES RXS-030 OF RXS-046

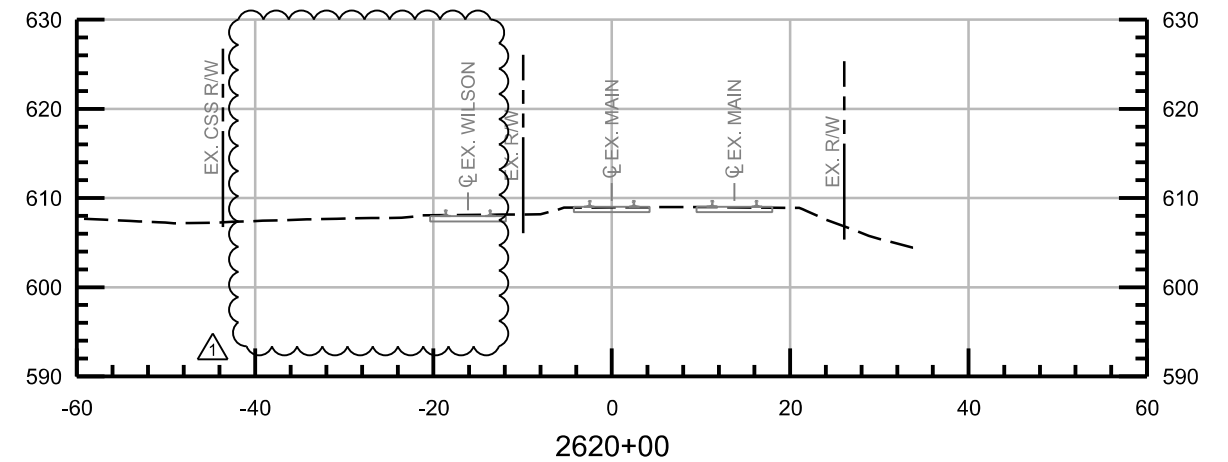
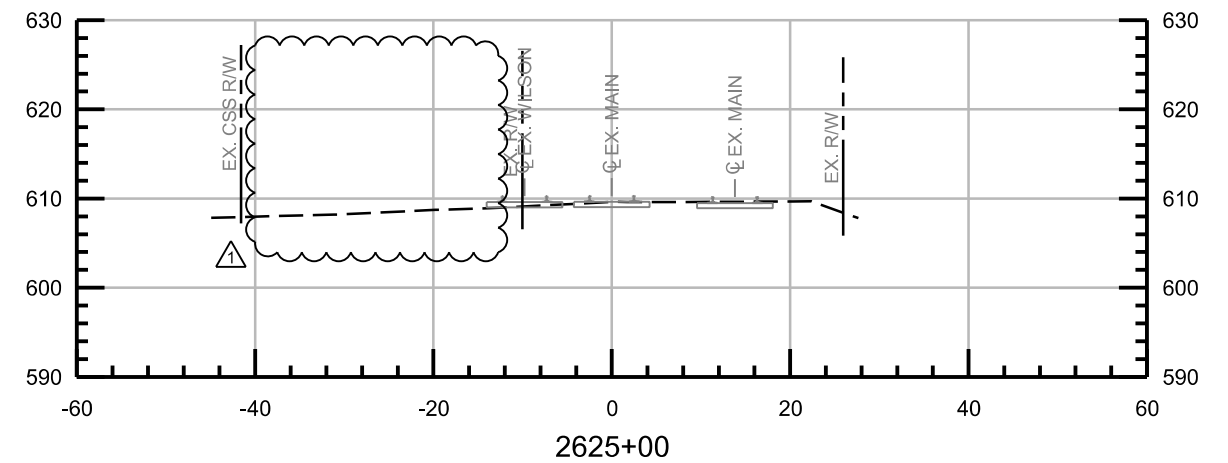
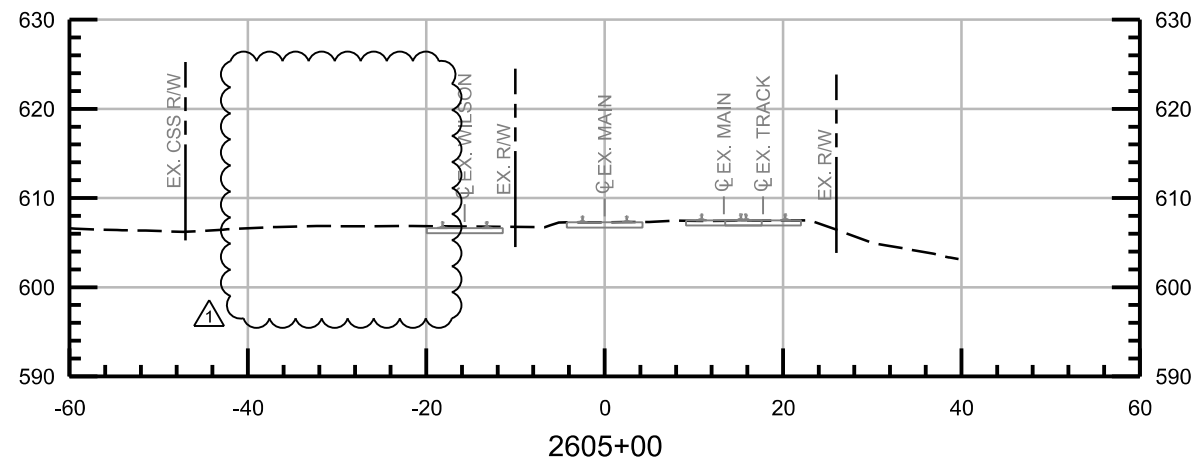
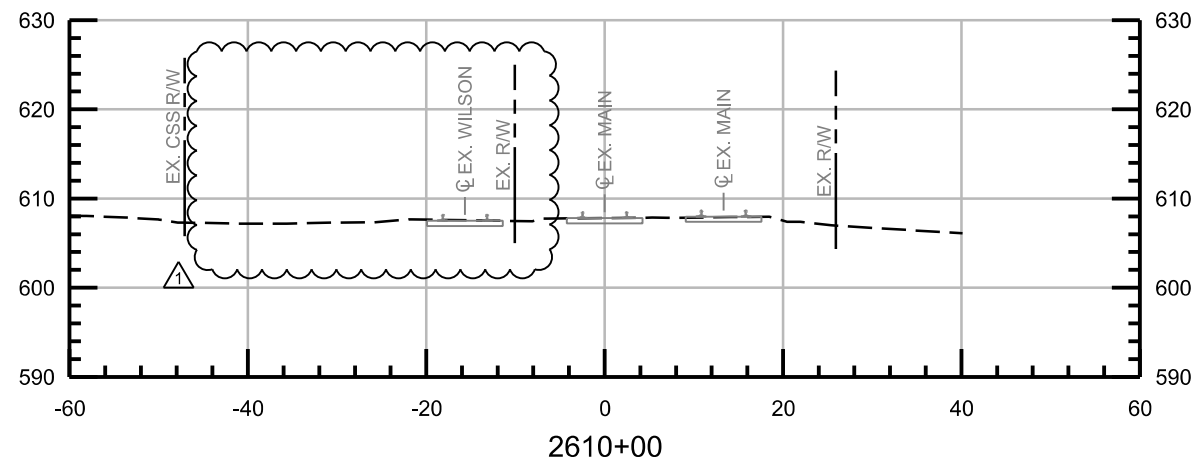
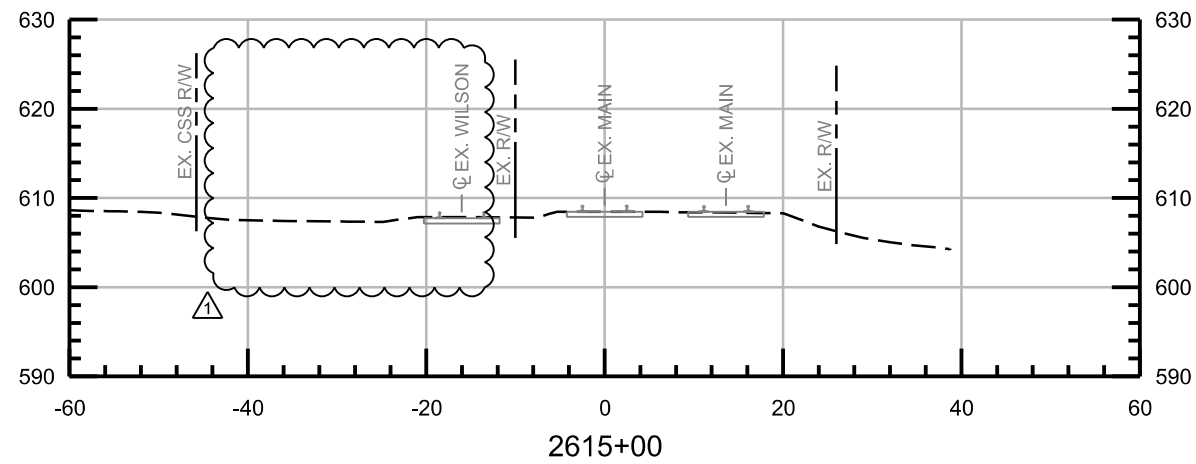


ISSUE	DATE	DESCRIPTION
1	10/12/2018	ELIMINATE WILSON SIDING & BAILLY MOW
0	05/12/2017	FINAL PRELIMINARY DESIGN



DESIGNED:	HDR-PJL
DRAWN:	HDR-WJJ
CHECKED:	HDR-ZDH
DATE:	OCTOBER 12, 2018

NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8 DOUBLE TRACK-NWI	
CROSS SECTIONS STA 2575+00 TO STA 2600+00	
FILENAME	NICTD_R_ML01_XS-00
SCALE	AS NOTED
SHEET	177 OF 193



NOT FOR CONSTRUCTION SERIES RXS-031 OF RXS-046



ISSUE	DATE	DESCRIPTION
1	10/12/2018	ELIMINATE WILSON SIDING & BAILLY MOW
0	05/12/2017	FINAL PRELIMINARY DESIGN



DESIGNED:	HDR-PJL
DRAWN:	HDR-WJJ
CHECKED:	HDR-ZDH
DATE:	OCTOBER 12, 2018

NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8 DOUBLE TRACK-NWI	
CROSS SECTIONS STA 2605+00 TO STA 2625+00	
FILENAME	NICTD_R_ML01_XS-00
SCALE	AS NOTED
SHEET	178 OF 193