APPENDIX C-2
SELECT CULVERT AND
ROADWAY PLAN SHEETS,
PROVIDED TO NPS

NORTHERN INDIANA COMMUTER TRANSPORTATION DISTRICT

DOUBLE TRACK NWI (NORTHWEST INDIANA)
MILEPOST 32.2 TO MILEPOST 58.8
MICHIGAN CITY TO GARY, INDIANA

TRACK DESIGN PLANS

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4	RGN-004	PROJECT OVERVIEW
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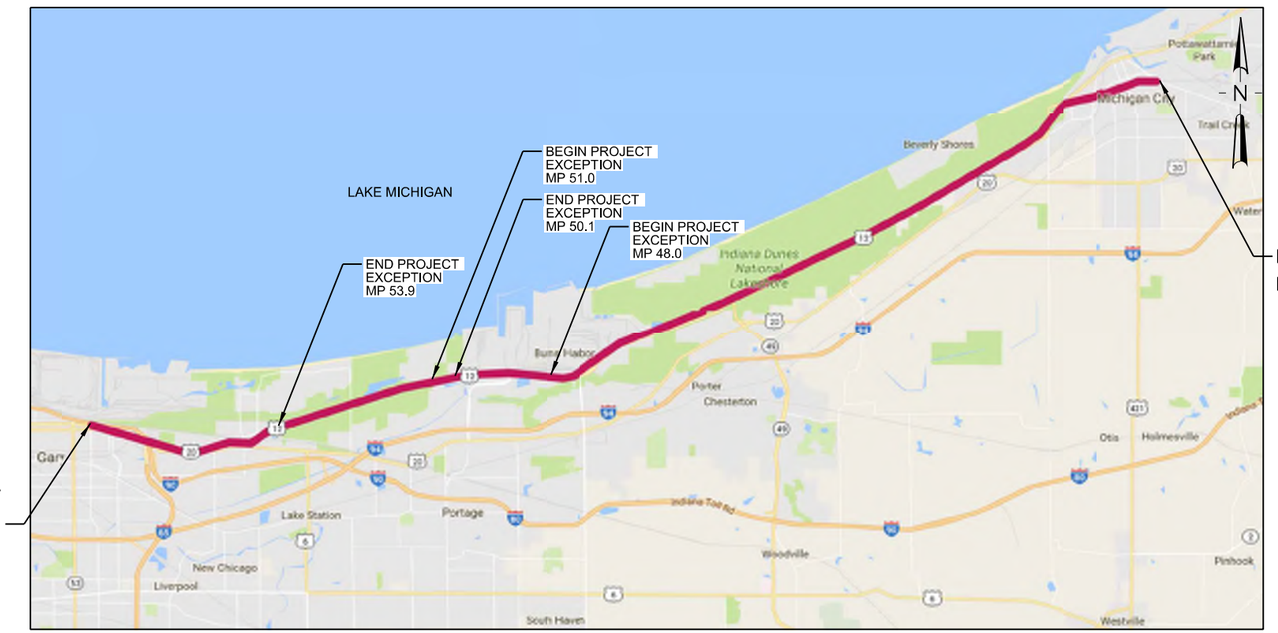
148	RPP-138	3502 PROFILE
149-346	RXS-301 TO -497	CROSS-SECTIONS



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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-TJW
DRAWN:	PEI-TJW
CHECKED:	PEI-GTC
DATE:	03/16/2020

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

COVER SHEET

FILENAME	DT_DWG_RGN-001	SHEET
SCALE	AS NOTED	OF

PLOT DATE: 6/22/2020 10:47:43 AM kkoehneke

LEGEND

- EXISTING TRACK TO REMAIN
- EXISTING TRACK TO BE REMOVED
- EXISTING TRACK TO BE SHIFTED
- EXISTING TRACK TO BE SURFACED
- 5+00 PROPOSED TRACK
- PROPOSED POWER OPERATED TURNOUT
- PROPOSED HAND-THROW TURNOUT
- PROPOSED ELECTRIC LOCK TURNOUT
- PROPOSED DOUBLE SWITCH POINT DERAIL
- PROPOSED SLIDING DERAIL
- PROPOSED CULVERT EXTENSION
- CONSTRUCTION LIMITS
- COMM — COMMUNICATION LINE
- OHP — EXISTING OVERHEAD POWER LINE
- X — EXISTING FENCE
- SS — EXISTING SANITARY SEWER
- SS — PROPOSED SANITARY SEWER
- OHF — OVERHEAD FIBER
- FO — EXISTING FIBER OPTIC
- FO — UG — EXISTING UNDERGROUND FIBER OPTIC
- FO — UG — PROPOSED UNDERGROUND FIBER OPTIC
- FO — OH — EXISTING OVERHEAD FIBER OPTIC
- FO — OH — PROPOSED OVERHEAD FIBER OPTIC
- G — EXISTING GAS LINE
- G — PROPOSED GAS LINE
- PG — PETRO GAS LINE
- PG — PROPOSED PETRO GAS LINE
- W — EXISTING WATER LINE
- W — PROPOSED WATER LINE
- E — UG — EXISTING UNDERGROUND ELECTRIC
- E — UG — PROPOSED UNDERGROUND ELECTRIC
- E — OH — EXISTING OVERHEAD ELECTRIC
- OHP — PROPOSED OVERHEAD ELECTRIC
- TREE/SHRUB/VEGETATION
- EDGE OF GRAVEL
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- PARCELS
- PROPOSED CONSTRUCTION EASEMENT
- ACCESS ROAD/TURNOUT PAD
- HIGH QUALITY WETLAND
- NON HIGH QUALITY WETLAND/UNDETERMINED
- STREAM OR DITCH
- RIP RAP
- ELECTRIC POLE
- COMMUNICATION POLE
- EXISTING CROSSING SIGNAL
- PROPOSED CROSSING SIGNAL
- GUARDRAIL
- SIGNS (NON-RAILROAD)
- GAS WARNING SIGN
- RAILROAD SIGN
- FIBER OPTIC MARKER
- WHISTLE POST SIGN
- LIGHT POLE
- FIRE HYDRANT
- RAIL SIGNAL (DWARF SIGNAL)
- TRAFFIC SIGNAL
- FIBER OPTIC HAND HOLE
- ELECTRIC METER
- E — ELECTRIC PEDESTAL
- C — COMMUNICATION PEDESTAL
- CONTROL POINT
- GRADE CROSSING PAVEMENT MARKING
- PEDESTRIAN CROSSING GATE
- EXISTING CROSSBUCK
- NPS PROPERTY
- PROPOSED TEMPORARY IMPACT AREA

GENERAL NOTES

1. THE EXISTENCE, LOCATION, AND ELEVATION OF UTILITIES AND/OR CONCEALED STRUCTURES AT THE PROJECT SITE ARE NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXISTENCE, LOCATION, AND ELEVATION OF ALL SUCH UTILITIES AND/OR STRUCTURES AND IS RESPONSIBLE FOR NOTIFYING THE APPROPRIATE COMPANY, DEPARTMENT, OR PERSON(S) OF ITS INTENTION TO CARRY OUT ITS OPERATIONS.

ABBREVIATIONS

APPROX	APPROXIMATE
BLDG	BUILDING
BM	BENCH MARK
CB	CATCH BASIN
℄	CENTERLINE
CMP	CORRUGATED METAL PIPE
CN	CANADIAN NATIONAL
CONC	CONCRETE
CS	CURVE TO SPIRAL
CSS	CHICAGO SOUTH SHORE
CSXT	CSX TRANSPORTATION
CWR	CONTINUOUSLY WELDED RAIL
CY	CUBIC YARD
Dc	DEGREE OF CURVE
DI	DUCTILE IRON
DIAM.	DIAMETER
DOT	DEPARTMENT OF TRANSPORTATION
DSPD	DUAL SWITCH POINT DERAILS
DWG	DRAWING
E	EASTING
EA	EACH
E.L.	ELECTRIC LOCK
ELEC	ELECTRICAL
ELEV, EL	ELEVATION
ENGR	ENGINEER
EXIST, EX	EXISTING
FOTS	FIBER OPTIC TRANSMISSION SYSTEM
FT	FOOT, FEET
G	GAS
GND	GROUND
HDPE	HIGH DENSITY POLYETHYLENE
HORZ	HORIZONTAL
HTTO	HAND THROW TURNOUT
HMA	HOT MIX ASPHALT
INV	INVERT
LB	POUND
Lc	LENGTH OF CURVE
LH	LEFT HAND
Ls	LENGTH OF SPIRAL
LIN FT, LF	LINEAR FOOT
LLT	LAST LONG TIE
LN	LANE
LT	LEFT
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MOW	MAINTENANCE OF WAY
MP	MILE POST
N	NORTHING
NIC	NOT IN CONTRACT
NICTD	NORTHERN INDIANA COMMUTER TRANSPORTATION DISTRICT
NIPSCO	NORTHERN INDIANA PUBLIC SERVICE COMPANY
N.T.S.	NOT TO SCALE
NO., #	NUMBER
NS	NORFOLK SOUTHERN
OHP	OVERHEAD POWER
OVH	OVERHEAD
PC	POINT OF CURVE
PI	POINT OF INTERSECTION
PITO	POINT OF INTERSECTION OF TURNOUT
POB	POINT OF BEGINNING
POE	POINT OF ENDING
POTO	POWER OPERATED TURNOUT
PR, PROP	PROPOSED
P.S.	POINT OF SWITCH
PT	POINT OF TANGENCY, POINT
PVC	POINT OF VERTICAL CURVE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENCY
R	RADIUS
RE	RAILWAY ENGINEERED, AREMA APPROVED RAIL SECTION
REV	REVISION
RH	RIGHT HAND
RR	RAILROAD
RT	RIGHT, ROUTE
R/W, ROW	RIGHT-OF-WAY
S	SOUTH
SC	SPIRAL TO CURVE
SD	STORM DRAIN, SLIDING DERAIL
SDWC	SLIDING DERAIL WITH CROWDER
SDG	SIDING
SDWLK	SIDEWALK
SF	SQUARE FOOT
SS	SANITARY SEWER
STA	STATION
ST	STREET, SPIRAL TO TANGENT
STD	STANDARD
STM, SD	STORM SEWER, STORM DRAIN
SW	SWITCH
TEMP	TEMPORARY
TF	TRACK FOOT, TRACK FEET
T.O.	TURNOUT
TOR	TOP OF RAIL
TRK	TRACK
TS	TANGENT TO SPRIAL
TYP, TYP.	TYPICAL
UG	UNDERGROUND
V	VELOCITY
VC	VERTICAL CURVE
W	WATER, WEST
XOVER	CROSSOVER
XING	CROSSING
YD	YARD

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

DESIGNED:	PEI-TJW
DRAWN:	PEI-TJW
CHECKED:	PEI-KEK
DATE:	03/16/2020

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

LEGEND & ABBREVIATIONS

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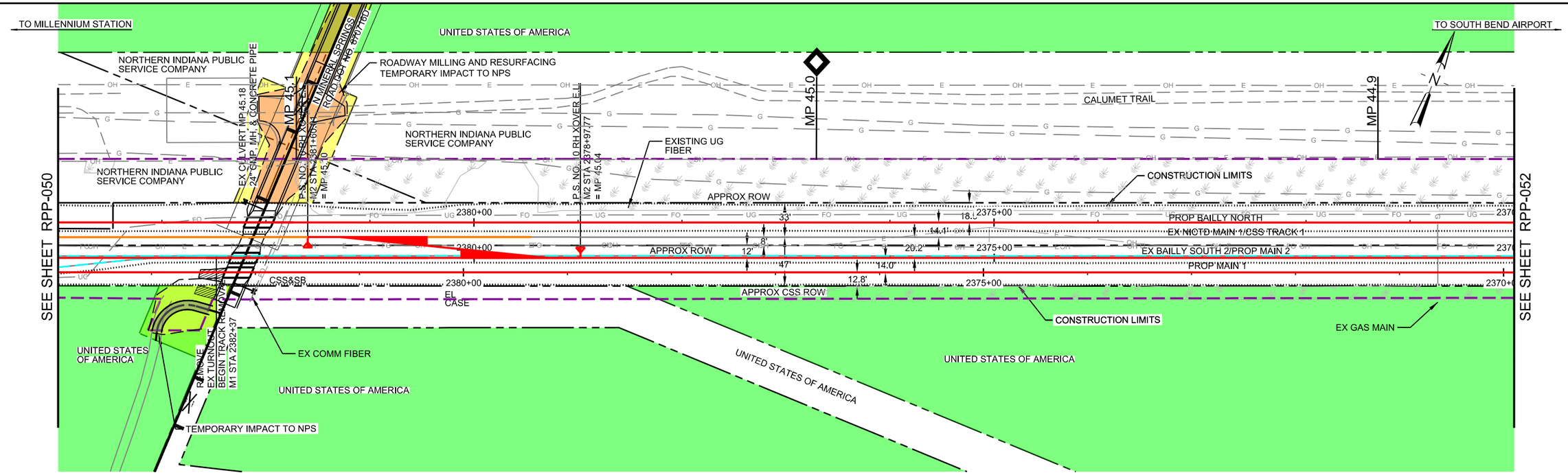

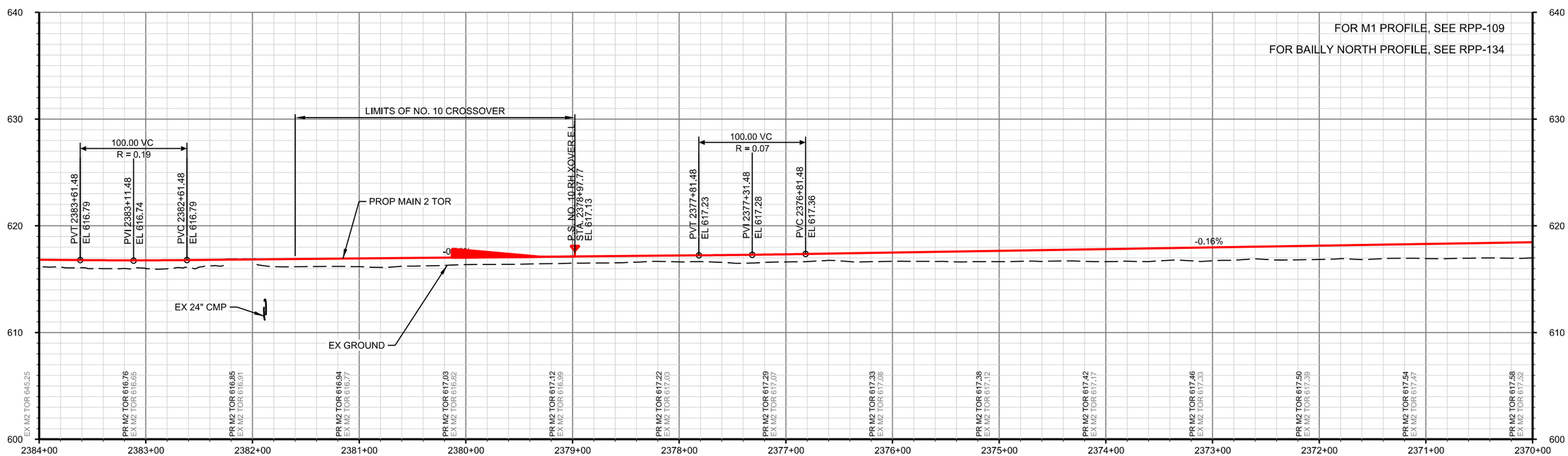

HORIZONTAL SCALE 50 25 0 50 100

VERTICAL SCALE 10 5 0 10 20

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MICHIGAN CITY TO GARY, INDIANA

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DRAWN:	PEI-TJW
CHECKED:	PEI-GTC
DATE:	03/16/2020

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

PLAN AND PROFILE
STA 2370+00 TO 2384+00
MP 44.9 TO 45.1

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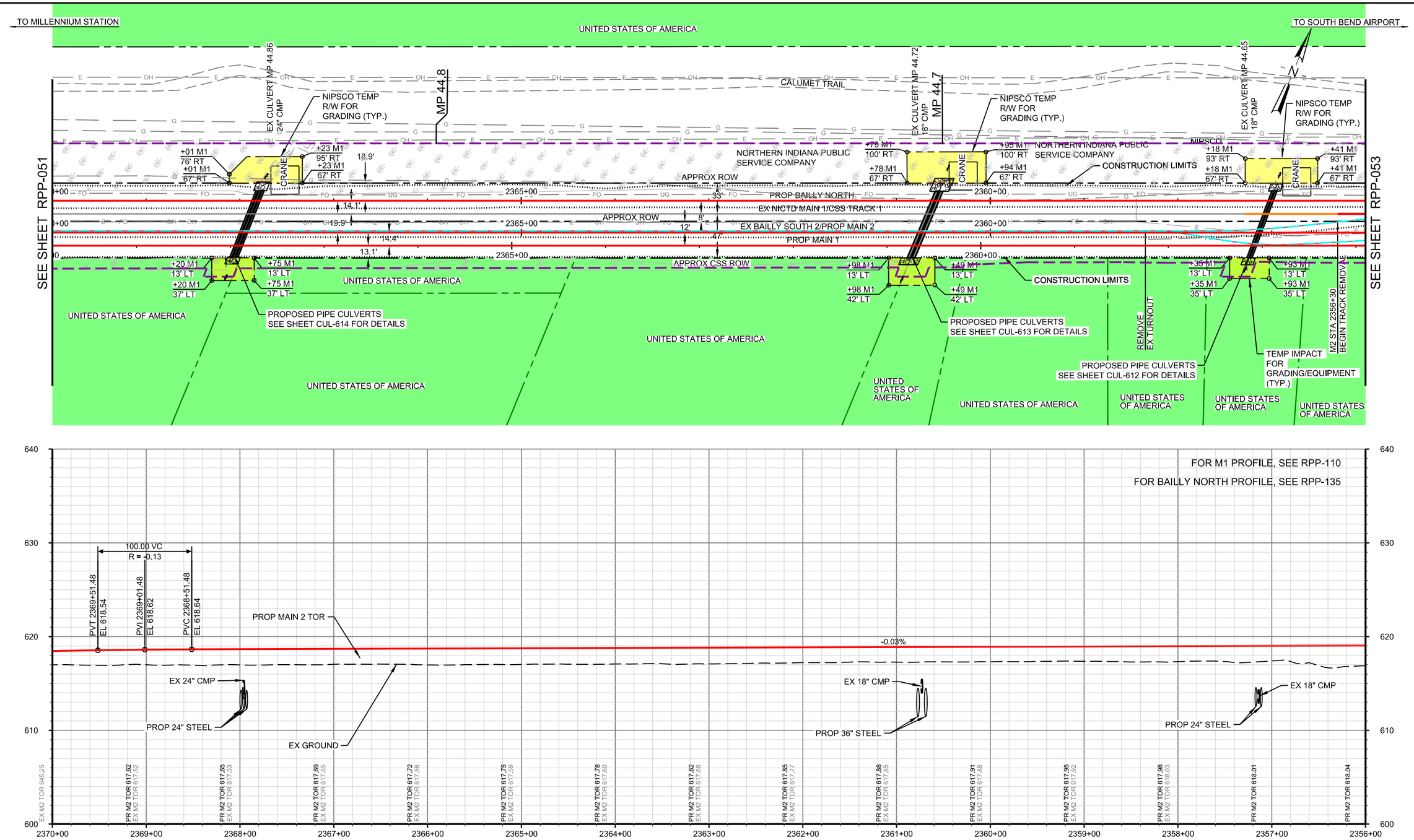

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NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK-NWI

PLAN AND PROFILE
STA 2356+00 TO 2370+00
MP 44.6 TO 44.9

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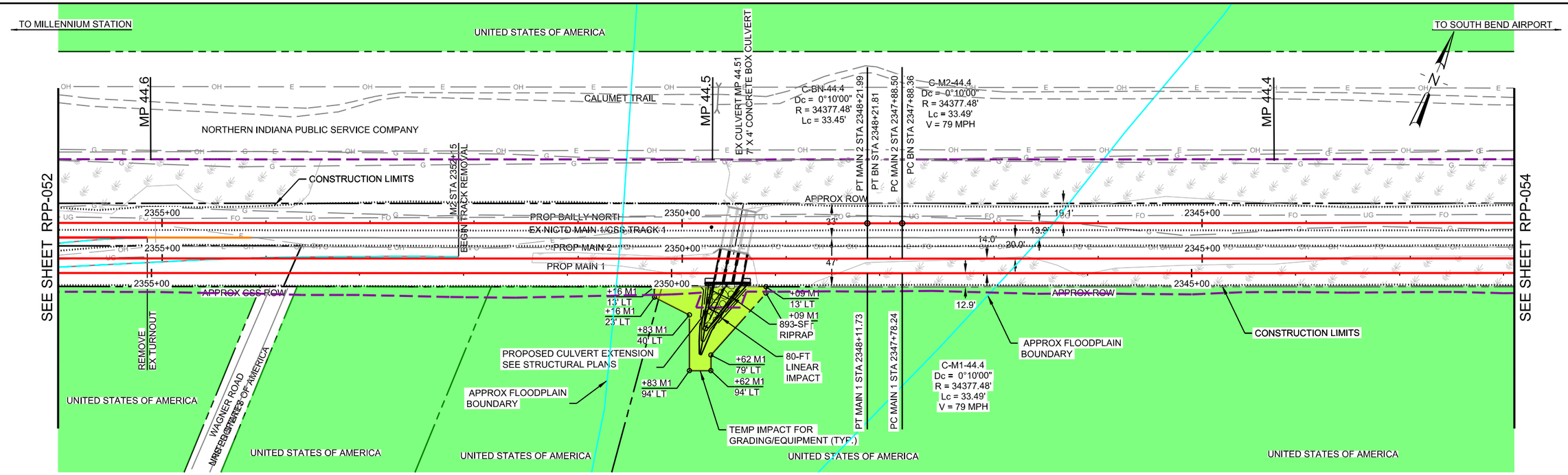

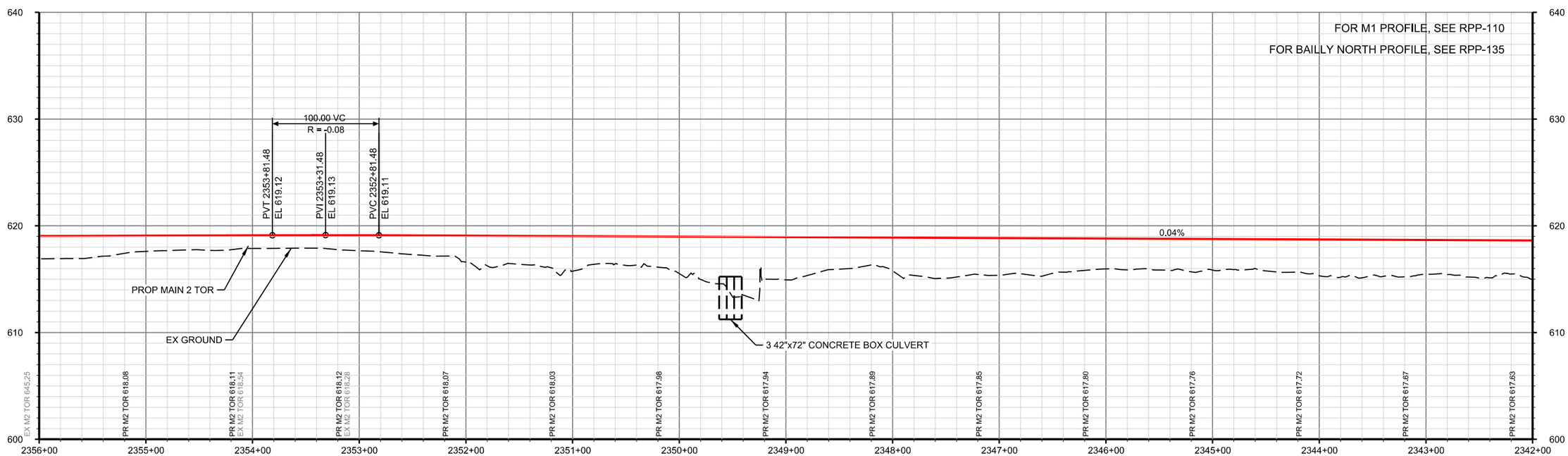

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CHECKED:	PEI-GTC
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NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK-NWI

PLAN AND PROFILE
STA 2342+00 TO 2356+00
MP 44.4 TO 44.6

FILENAME	DT_DWG_RPP-001	SHEET
SCALE	AS NOTED	OF

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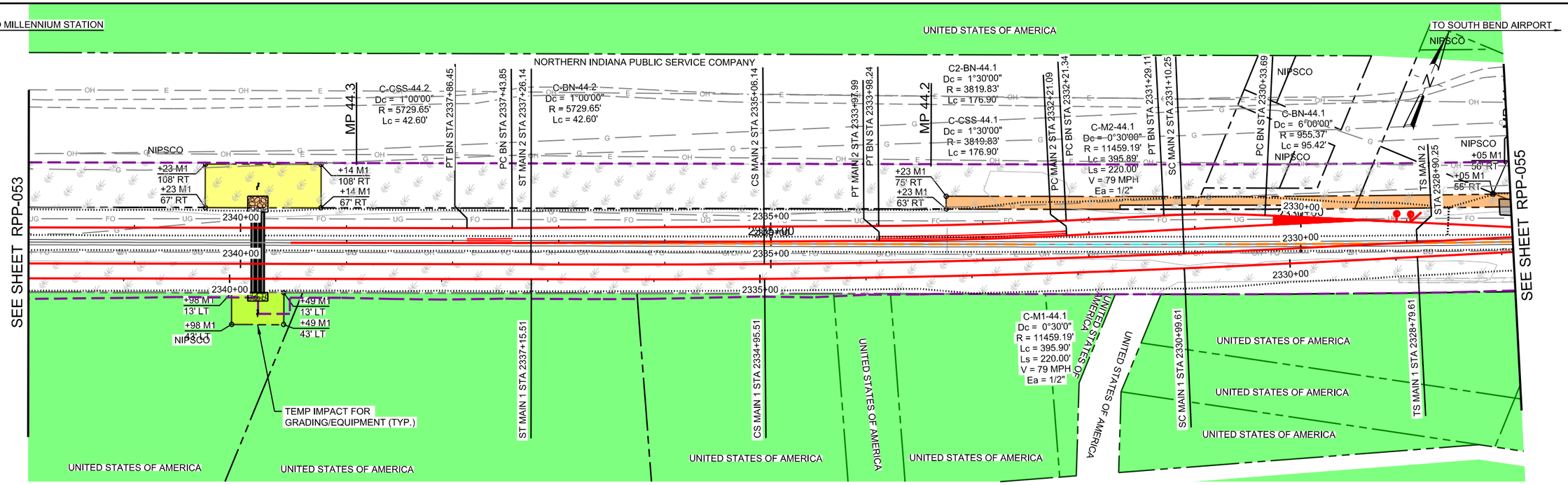

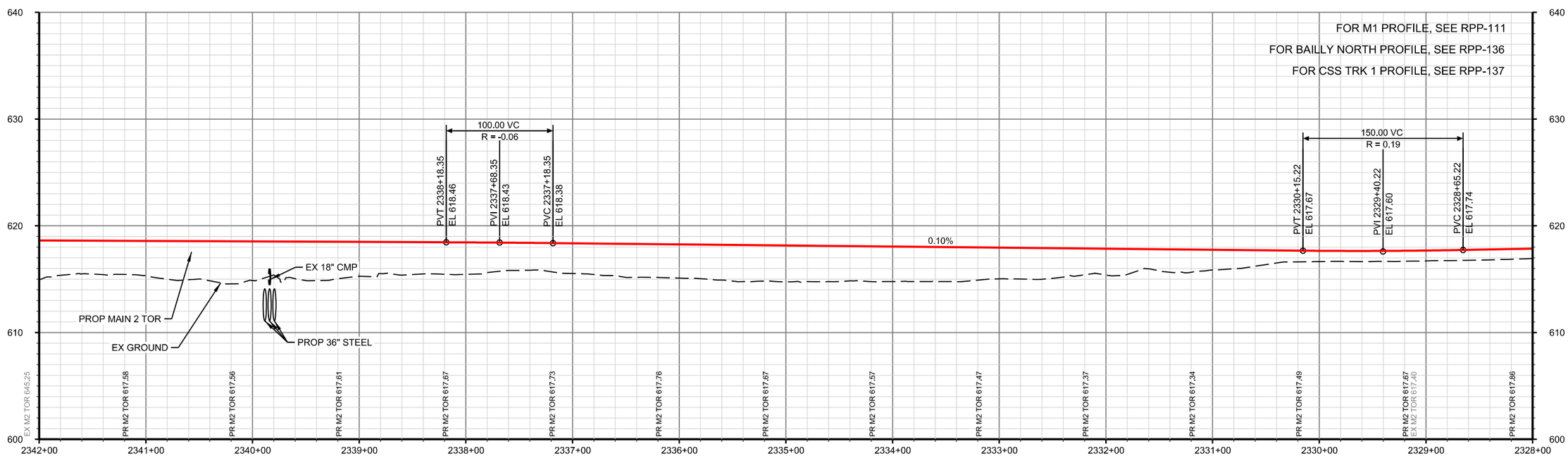

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MICHIGAN CITY TO GARY, INDIANA

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CHECKED:	PEI-GTC
DATE:	03/16/2020

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

PLAN AND PROFILE
STA 2328+00 TO 2342+00
MP 44.1 TO 44.4

FILENAME	DT_DWG_RPP-001
SCALE	AS NOTED
SHEET	OF

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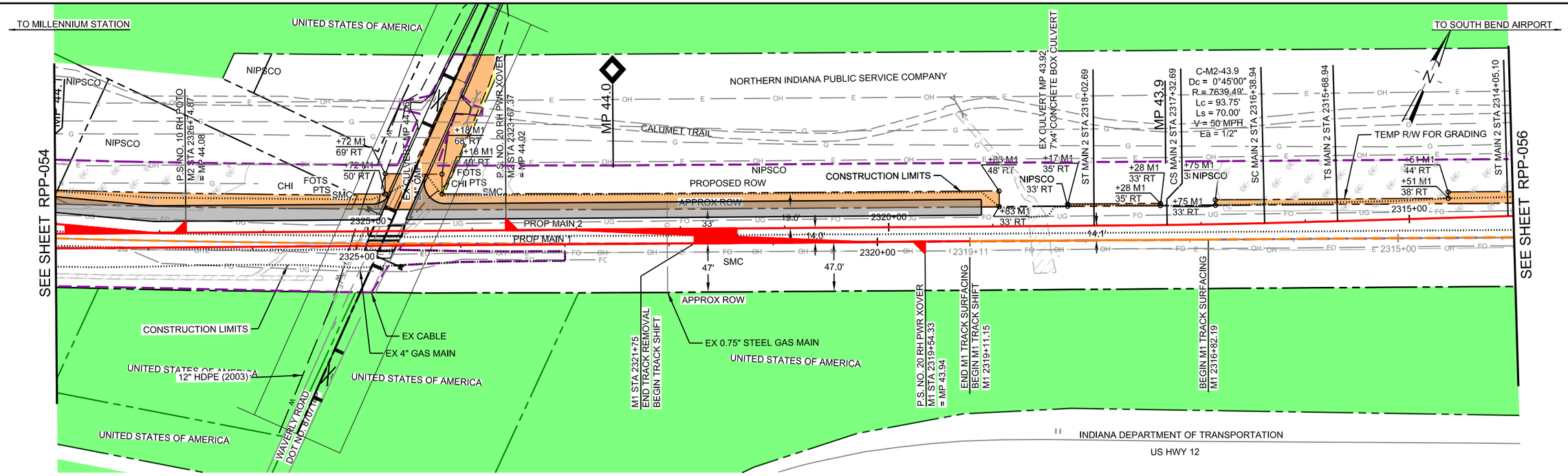

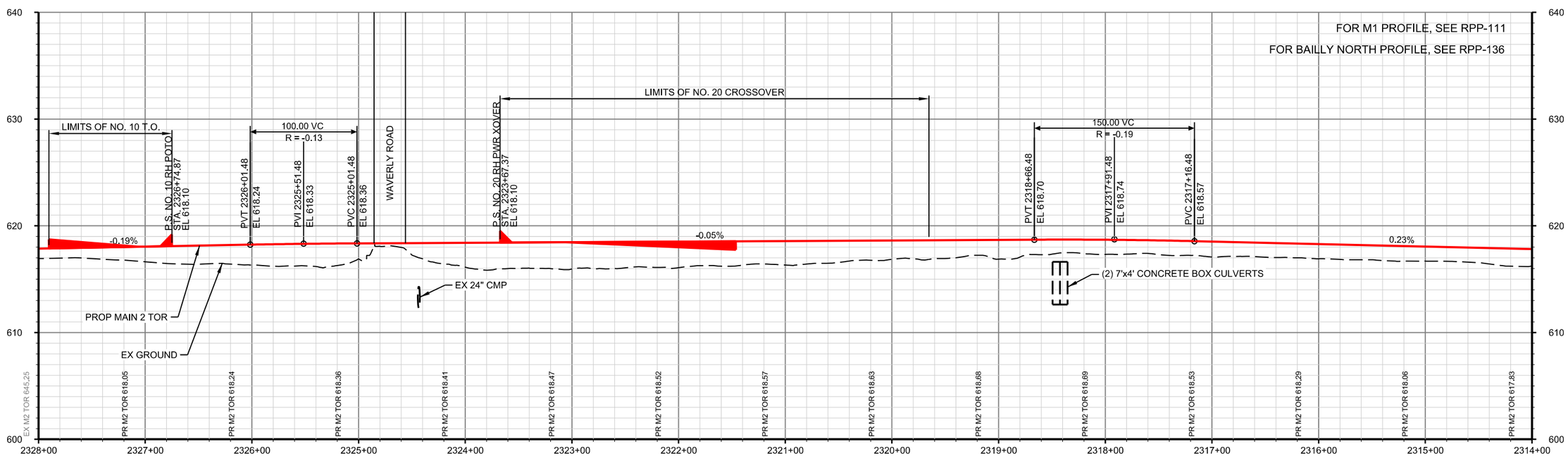

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VERTICAL SCALE 10 5 0 10 20

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Connectivity for Accelerated Growth
MICHIGAN CITY TO GARY, INDIANA

DESIGNED:	PEI-TJW
DRAWN:	PEI-TJW
CHECKED:	PEI-GTC
DATE:	03/16/2020

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

PLAN AND PROFILE
STA 2314+00 TO 2328+00
MP 43.8 TO 44.1

FILENAME	DT_DWG_RPP-001	SHEET
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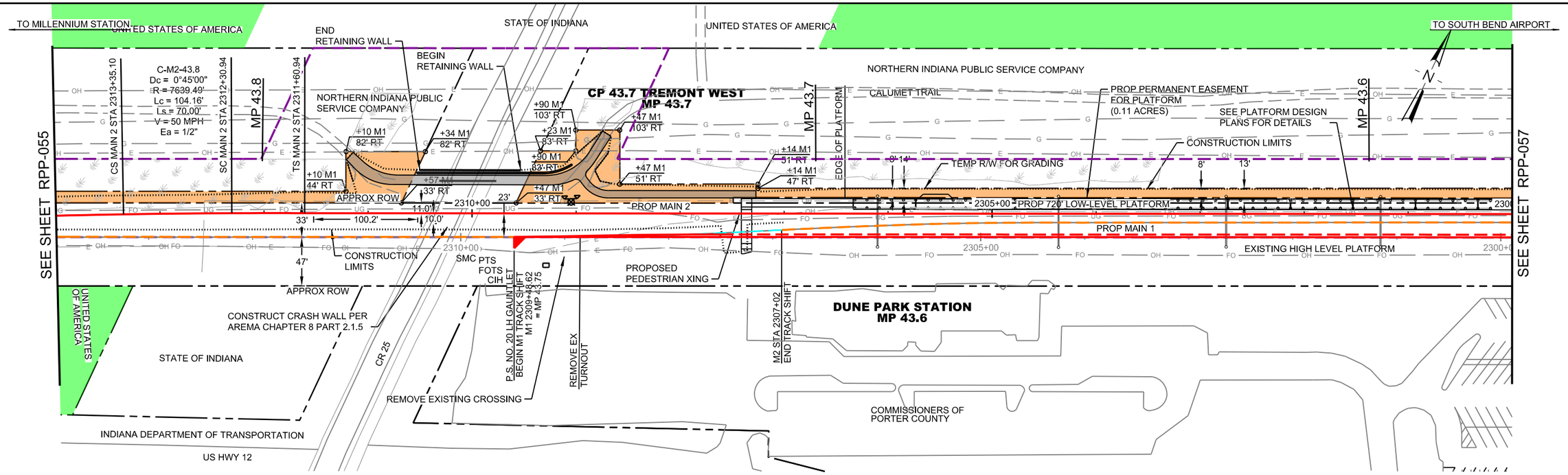

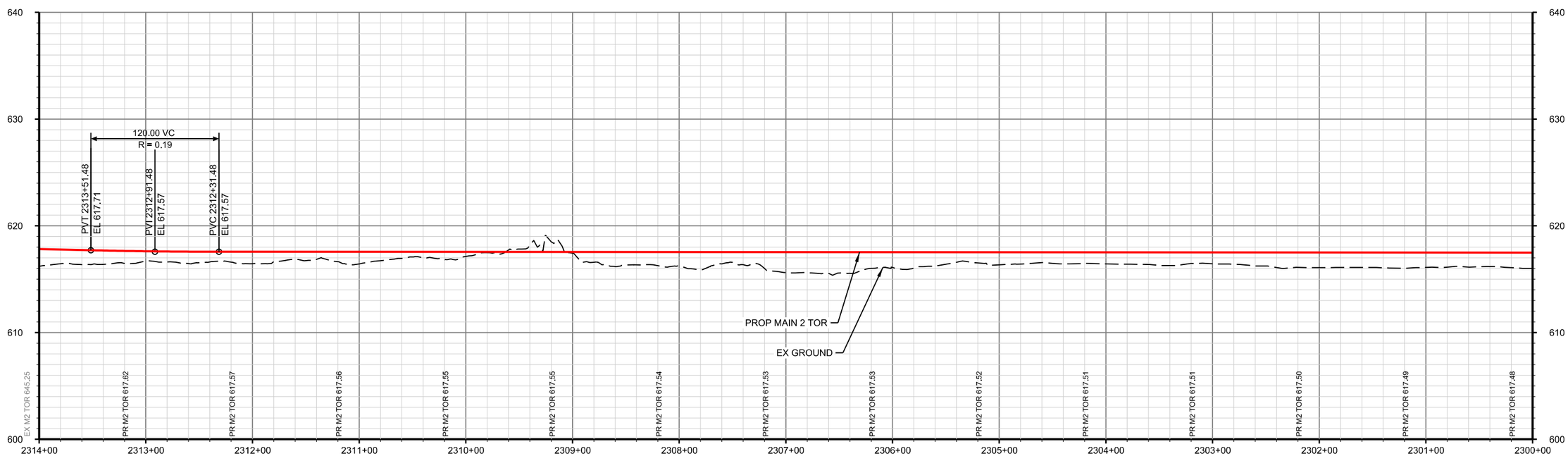

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MICHIGAN CITY TO GARY, INDIANA

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CHECKED:	PEI-GTC
DATE:	03/16/2020

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

PLAN AND PROFILE
STA 2300+00 TO 2314+00
MP 43.6 TO 43.8

FILENAME	DT_DWG_RPP-001	SHEET
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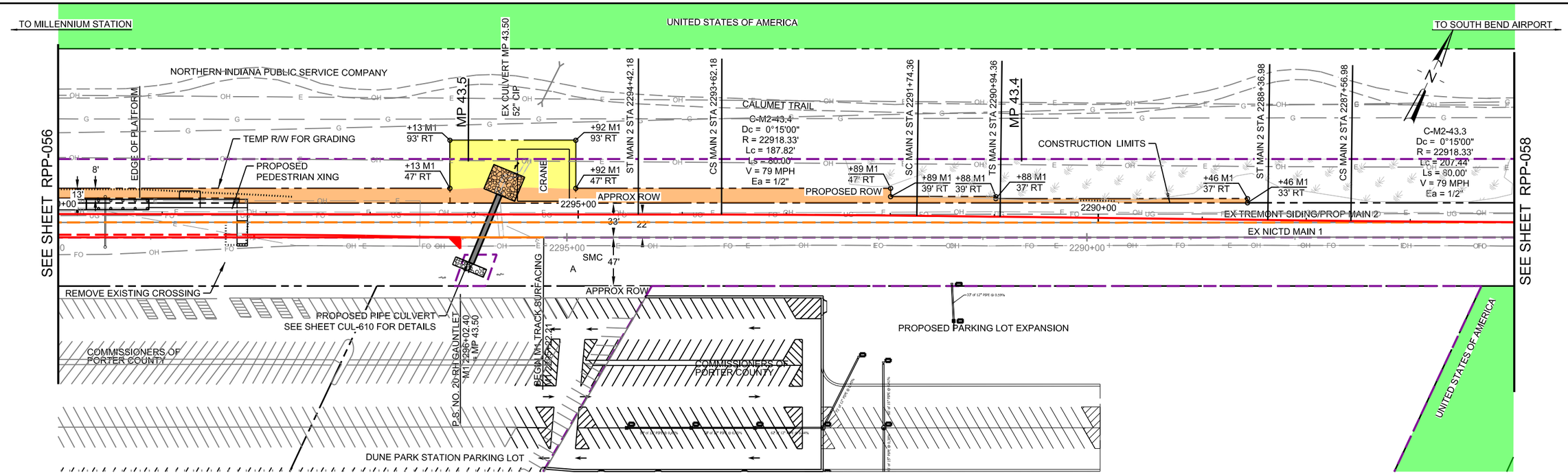

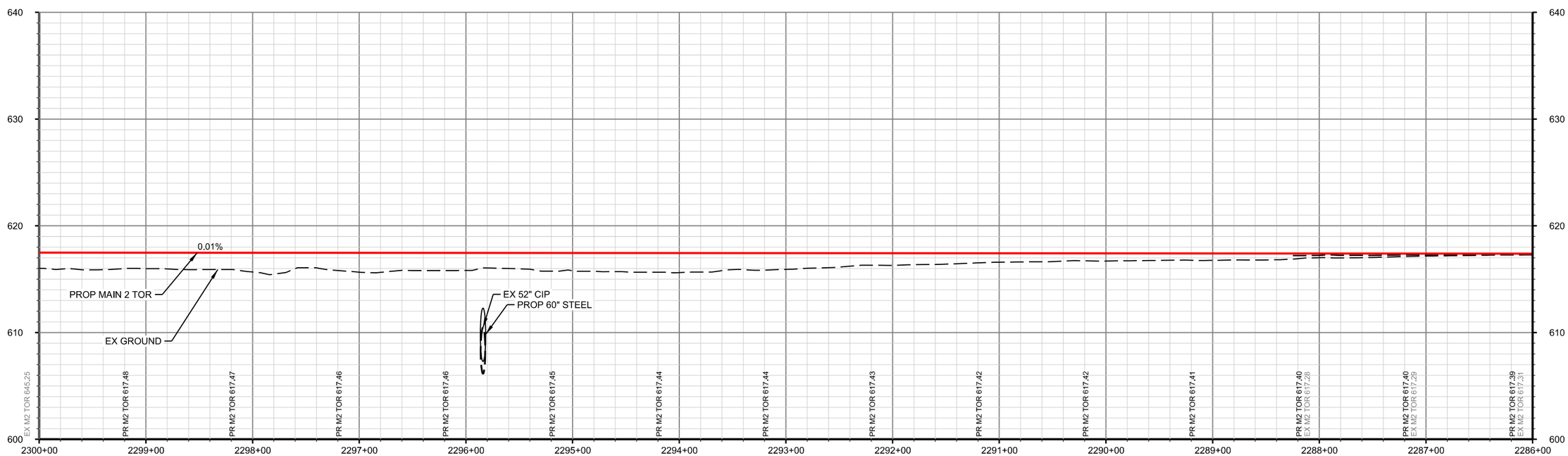

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MICHIGAN CITY TO GARY, INDIANA

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DRAWN:	PEI-TJW
CHECKED:	PEI-GTC
DATE:	03/16/2020

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

PLAN AND PROFILE
STA 2286+00 TO 2300+00
MP 43.3 TO 43.6

FILENAME	DT_DWG_RPP-001
SCALE	AS NOTED
SHEET	OF

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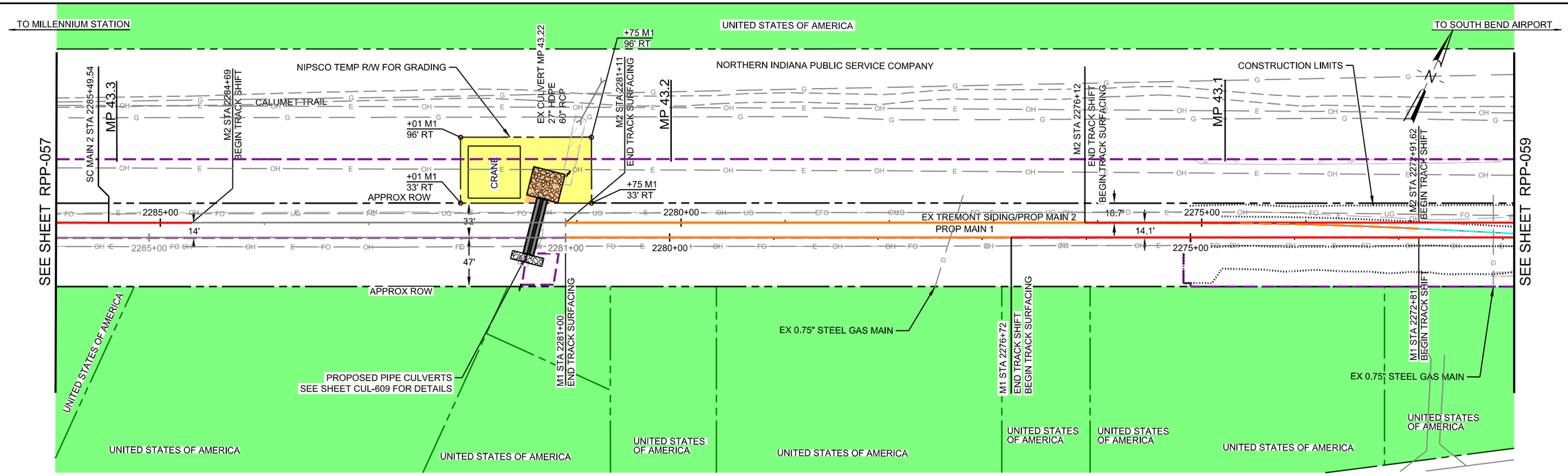

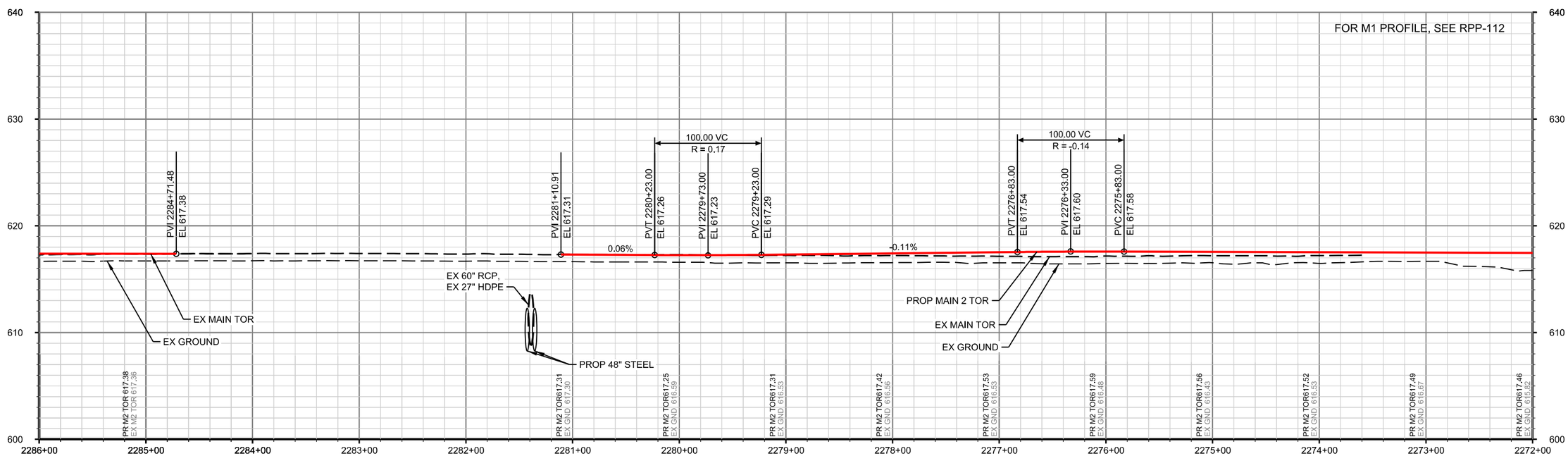

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VERTICAL SCALE 10 5 0 10 20

PROP MAIN 2 PROFILE

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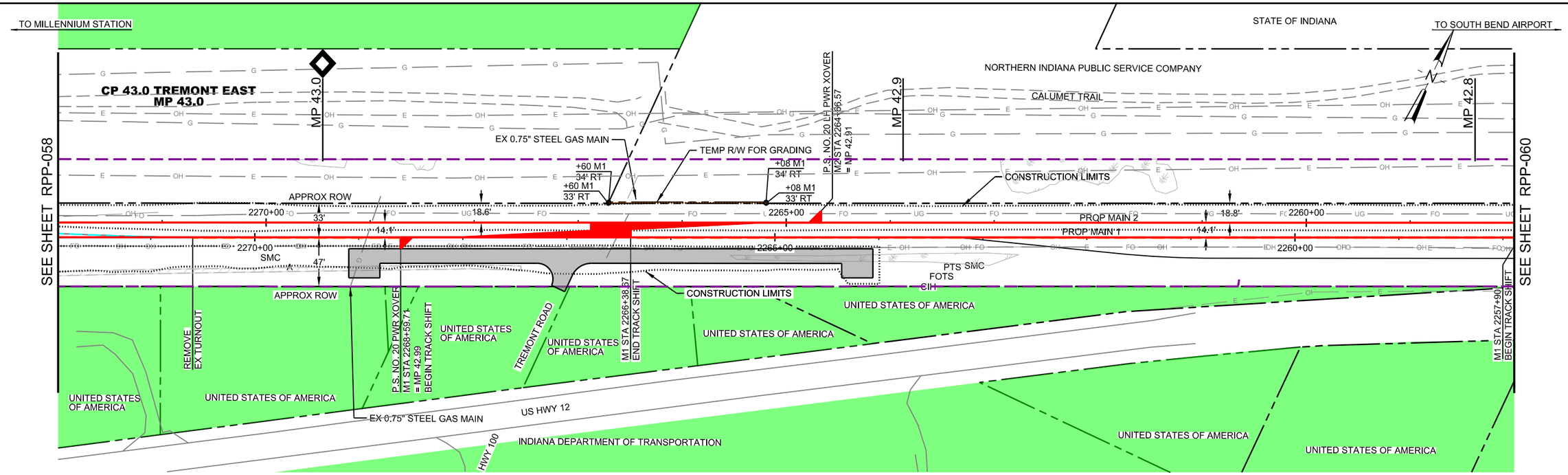
DATE:	03/16/2020

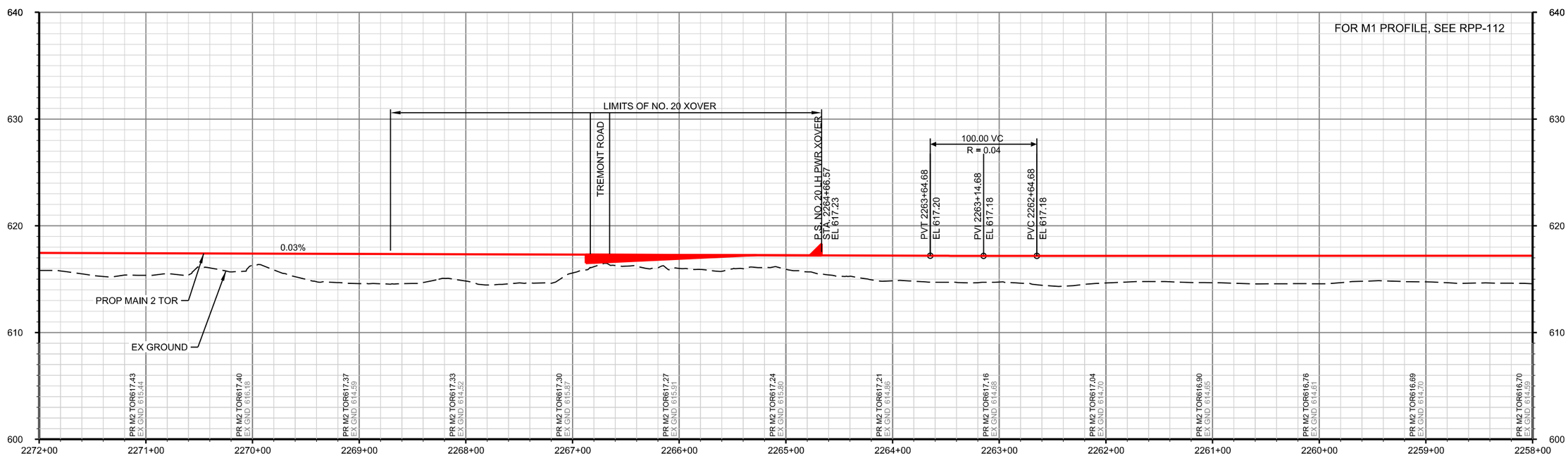
NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK-NWI

PLAN AND PROFILE
STA 2272+00 TO 2286+00
MP 43.0 TO 43.3

FILENAME	DT_DWG_RPP-001	SHEET
SCALE	AS NOTED	OF

PLOT DATE: 6/22/2020 10:49:50 AM kkoehneke





50 25 0 50 100 HORIZONTAL SCALE

10 5 0 10 20 VERTICAL SCALE

PROP MAIN 2 PROFILE

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING RPP-059 OF RPP-095

PLOT DATE: 6/22/2020 10:49:55 AM kkoehneke

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

DOUBLE TRACK N·W·I
Connectivity for Accelerated Growth

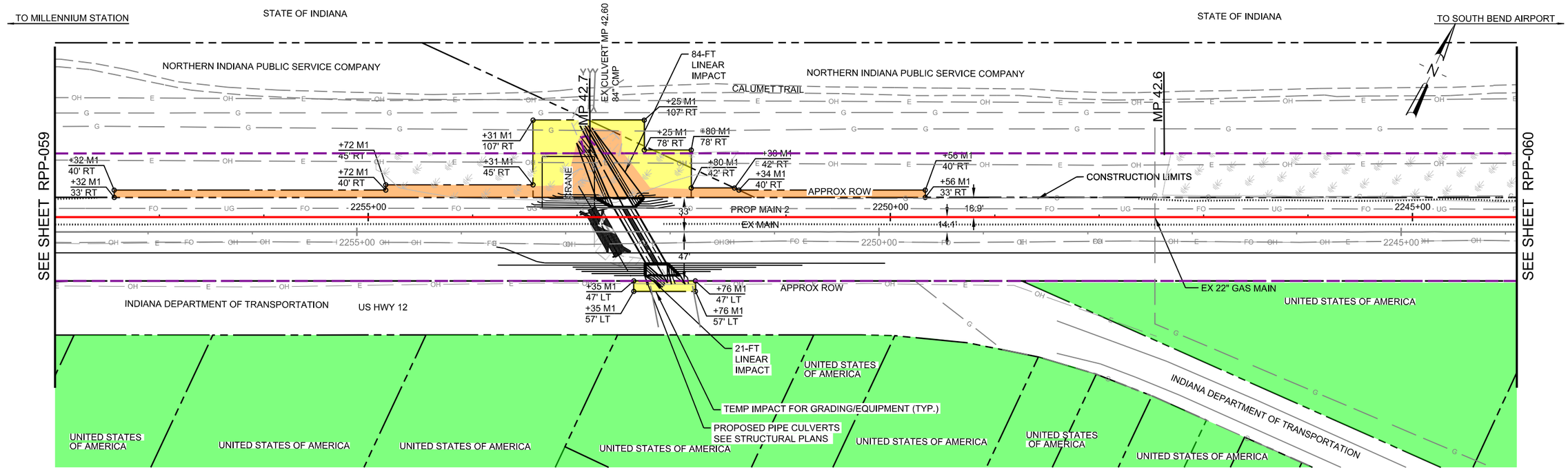
MICHIGAN CITY TO GARY, INDIANA

DESIGNED:	PEI-TJW
DRAWN:	PEI-TJW
CHECKED:	PEI-GTC
DATE:	03/16/2020

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

PLAN AND PROFILE
STA 2258+00 TO 2272+00
MP 42.8 TO 43.0

FILENAME	DT_DWG_RPP-001	SHEET
SCALE	AS NOTED	OF



HORIZONTAL SCALE (50 25 0 50 100) VERTICAL SCALE (10 5 0 10 20)

PROP MAIN 2 PROFILE

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING RPP-060 OF RPP-095

PLOT DATE: 6/22/2020 10:49:59 AM kkoehneke

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33 East Highway 12
Chesterton, Indiana 46304

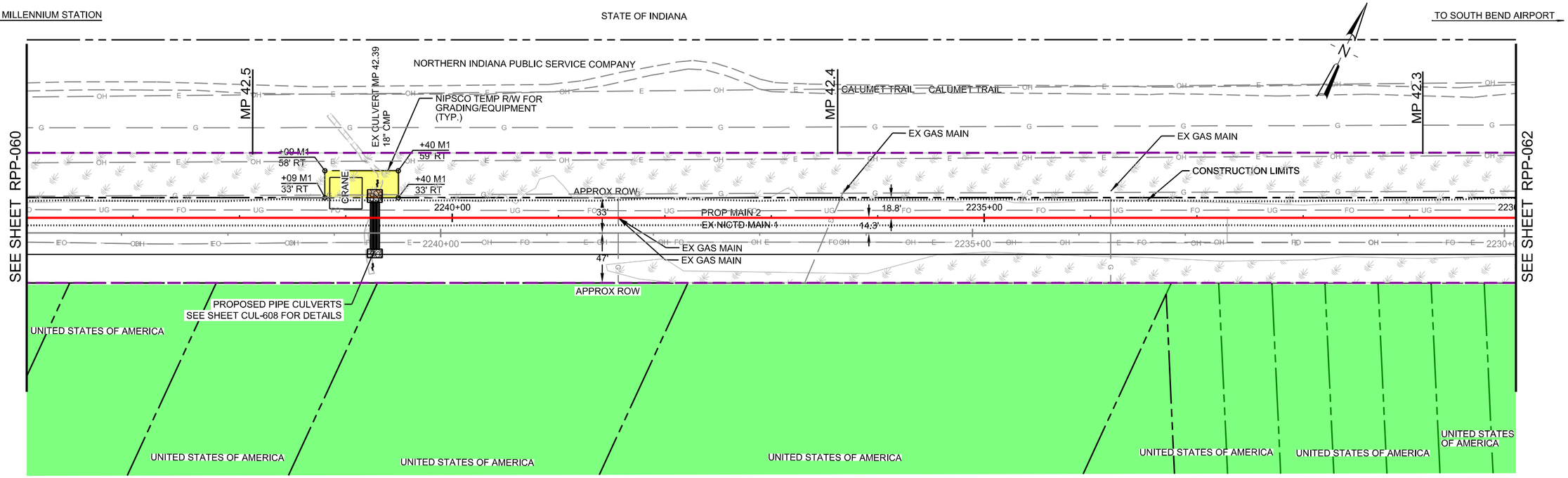
DOUBLE TRACK N·W·I
Connectivity for Accelerated Growth
MICHIGAN CITY TO GARY, INDIANA

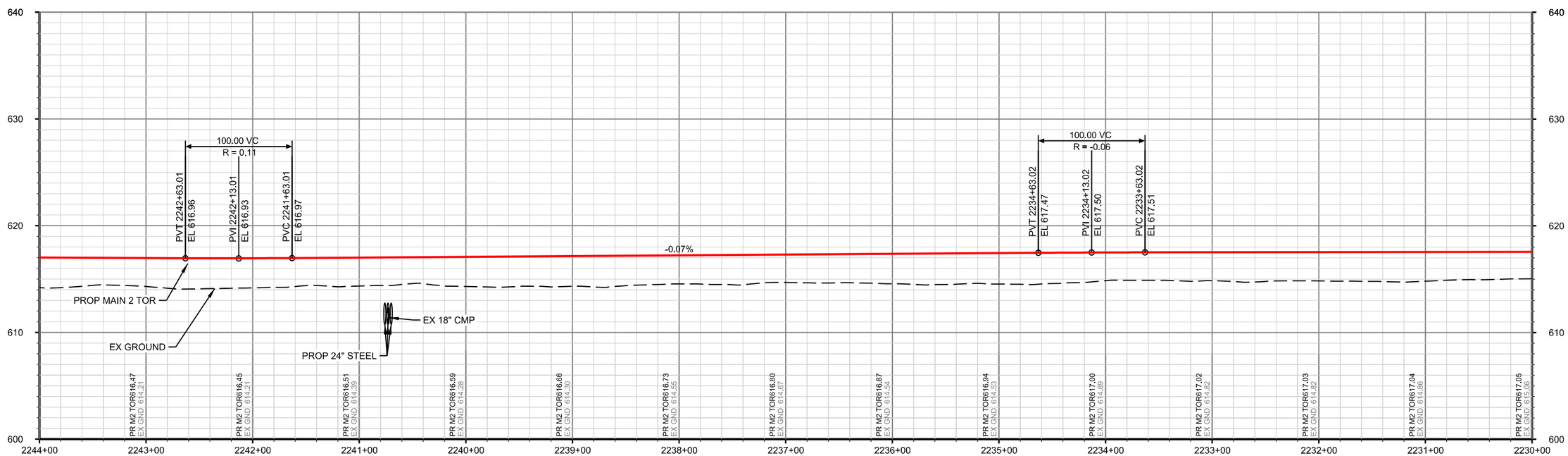
DESIGNED:	PEI-TJW
DRAWN:	PEI-TJW
CHECKED:	PEI-GTC
DATE:	03/16/2020

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

PLAN AND PROFILE
STA 2244+00 TO 2258+00
MP 42.5 TO 42.8

FILENAME	DT_DWG_RPP-001	SHEET
SCALE	AS NOTED	OF





50 25 0 50 100 HORIZONTAL SCALE

10 5 0 10 20 VERTICAL SCALE

PROP MAIN 2 PROFILE

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING RPP-061 OF RPP-095

PLOT DATE: 6/22/2020 10:50:04 AM kkoehneke

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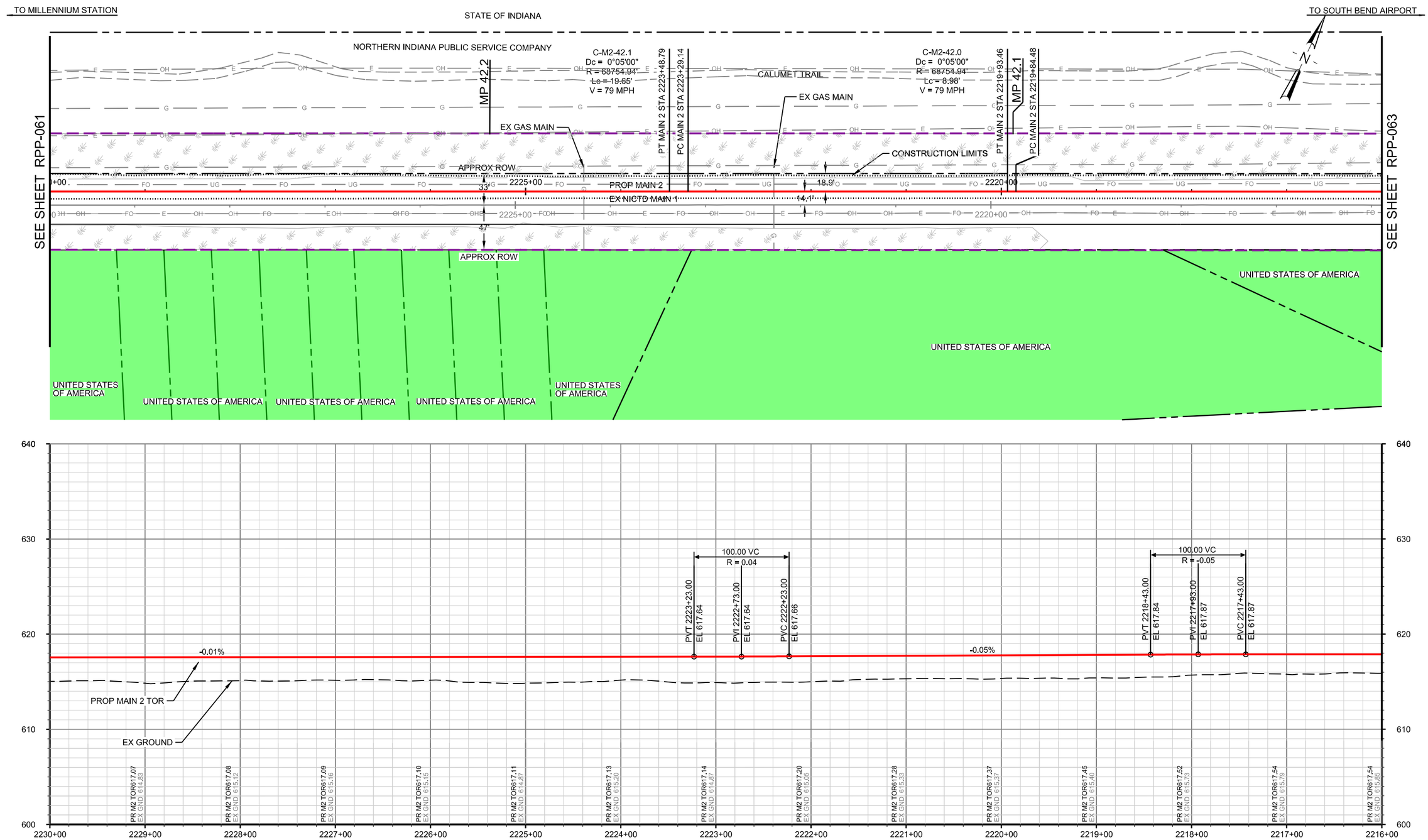
DOUBLE TRACK N·W·I
Connectivity for Accelerated Growth
MICHIGAN CITY TO GARY, INDIANA

DESIGNED:	PEI-TJW
DRAWN:	PEI-TJW
CHECKED:	PEI-GTC
DATE:	03/16/2020

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

PLAN AND PROFILE
STA 2230+00 TO 2244+00
MP 42.3 TO 42.5

FILENAME	DT_DWG_RPP-001	SHEET
SCALE	AS NOTED	OF



PROP MAIN 2 PROFILE

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING RPP-062 OF RPP-095

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

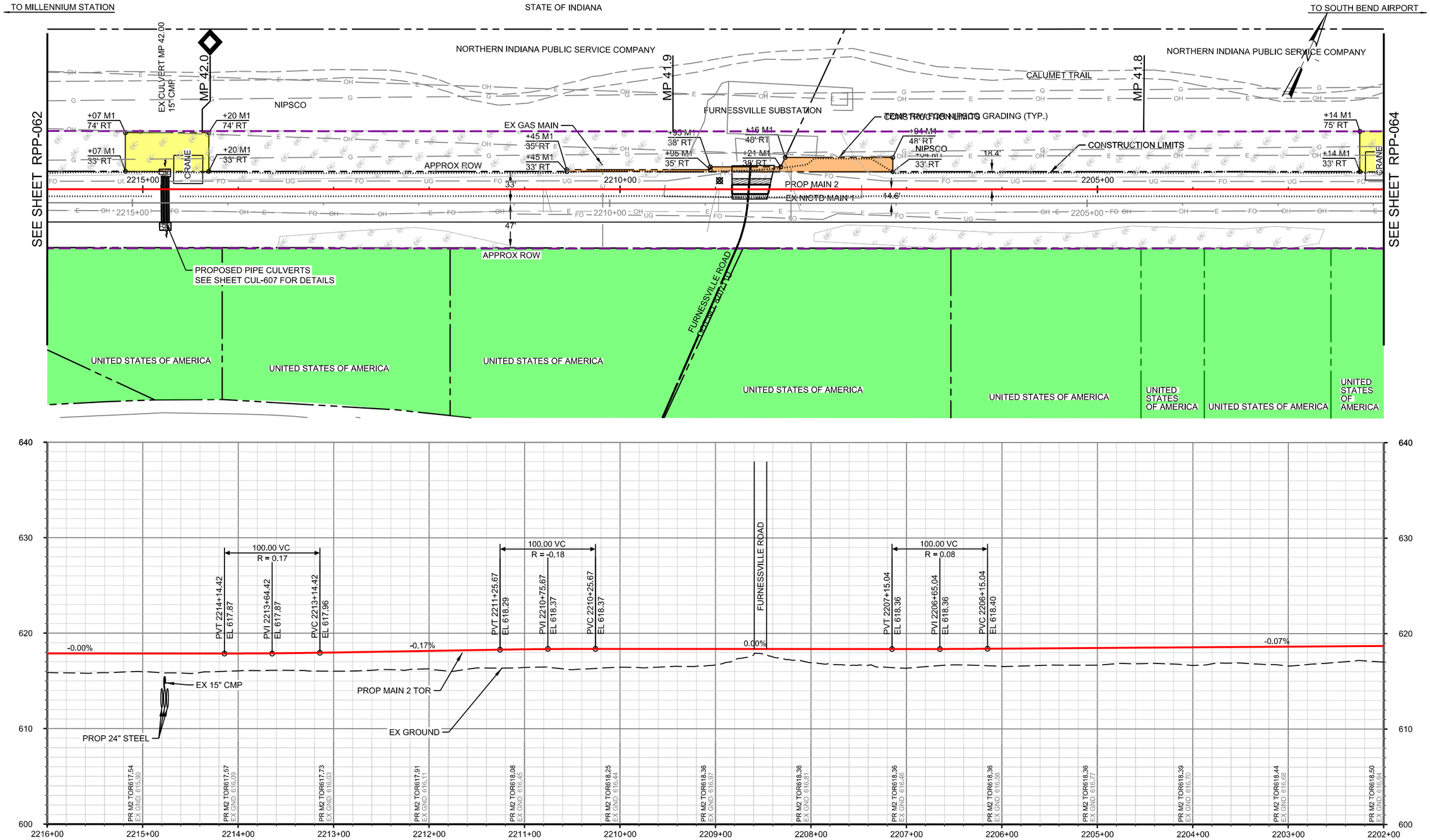
DESIGNED:	PEI-TJW
DRAWN:	PEI-TJW
CHECKED:	PEI-GTC
DATE:	03/16/2020

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

PLAN AND PROFILE
STA 2216+00 TO 2230+00
MP 42.0 TO 42.3

FILENAME	DT_DWG_RPP-001
SCALE	AS NOTED
SHEET	OF

PLOT DATE: 6/22/2020 10:50:09 AM kkoehneke



HORIZONTAL SCALE 50 25 0 50 100

VERTICAL SCALE 10 5 0 10 20

PROP MAIN 2 PROFILE

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING RPP-063 OF RPP-095

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

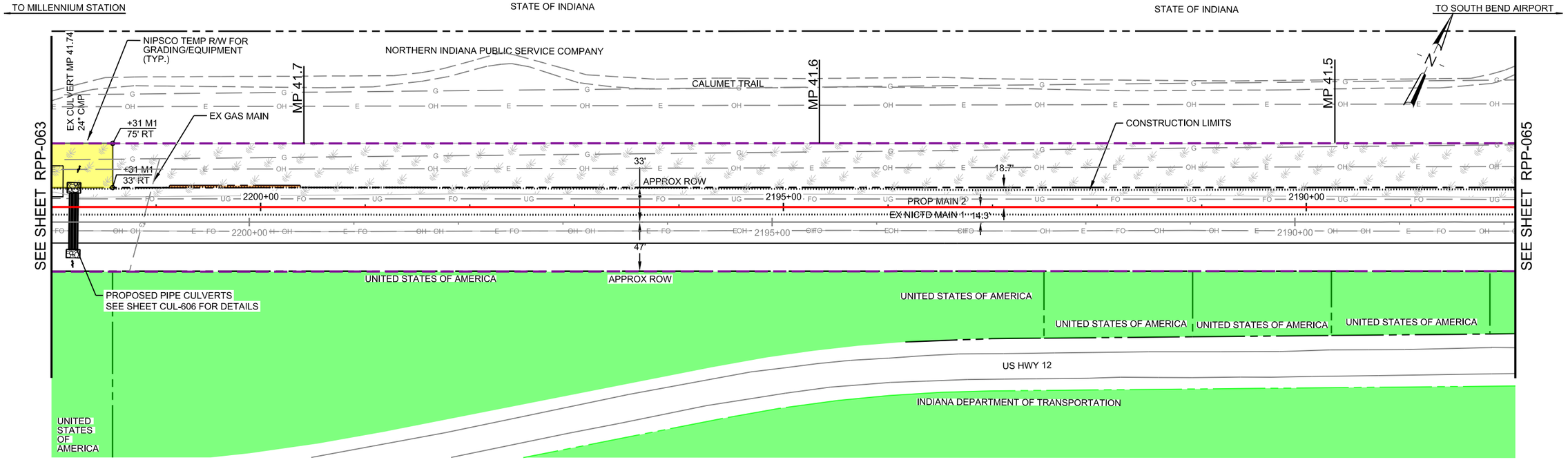
DESIGNED:	PEI-TJW
DRAWN:	PEI-TJW
CHECKED:	PEI-GTC
DATE:	03/16/2020

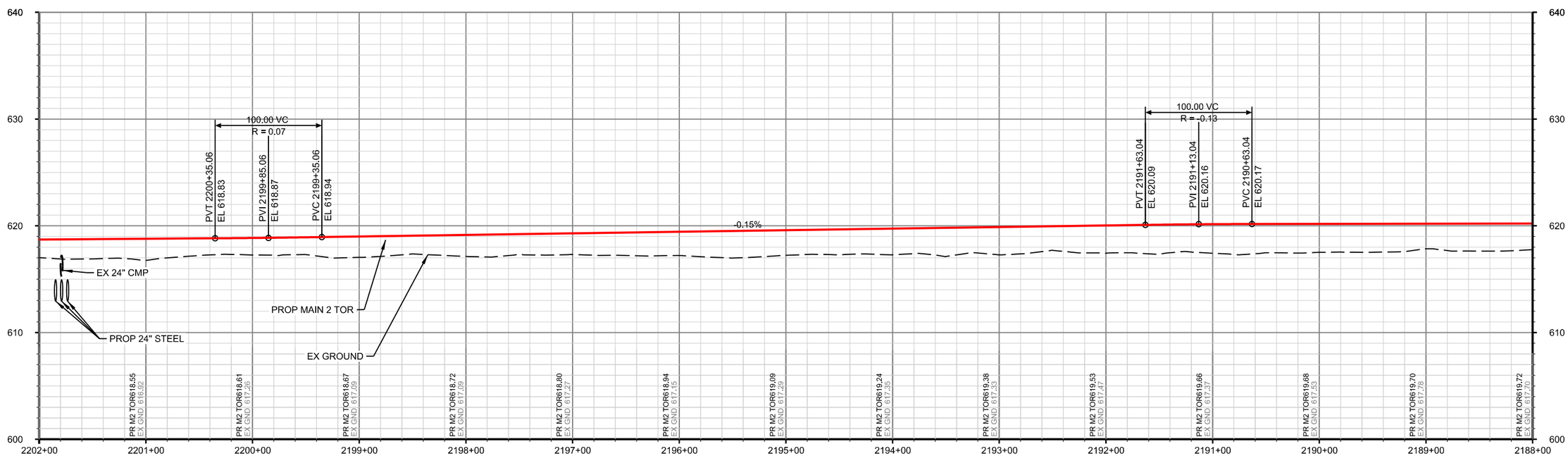
NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK-NWI

PLAN AND PROFILE
STA 2202+00 TO 2216+00
MP 41.7 TO 42.0

FILENAME	DT_DWG_RPP-001	SHEET
SCALE	AS NOTED	OF

PLOT DATE: 6/22/2020 10:50:14 AM kkoehneke





50 25 0 50 100 HORIZONTAL SCALE

10 5 0 10 20 VERTICAL SCALE

PROP MAIN 2 PROFILE

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING RPP-064 OF RPP-095

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

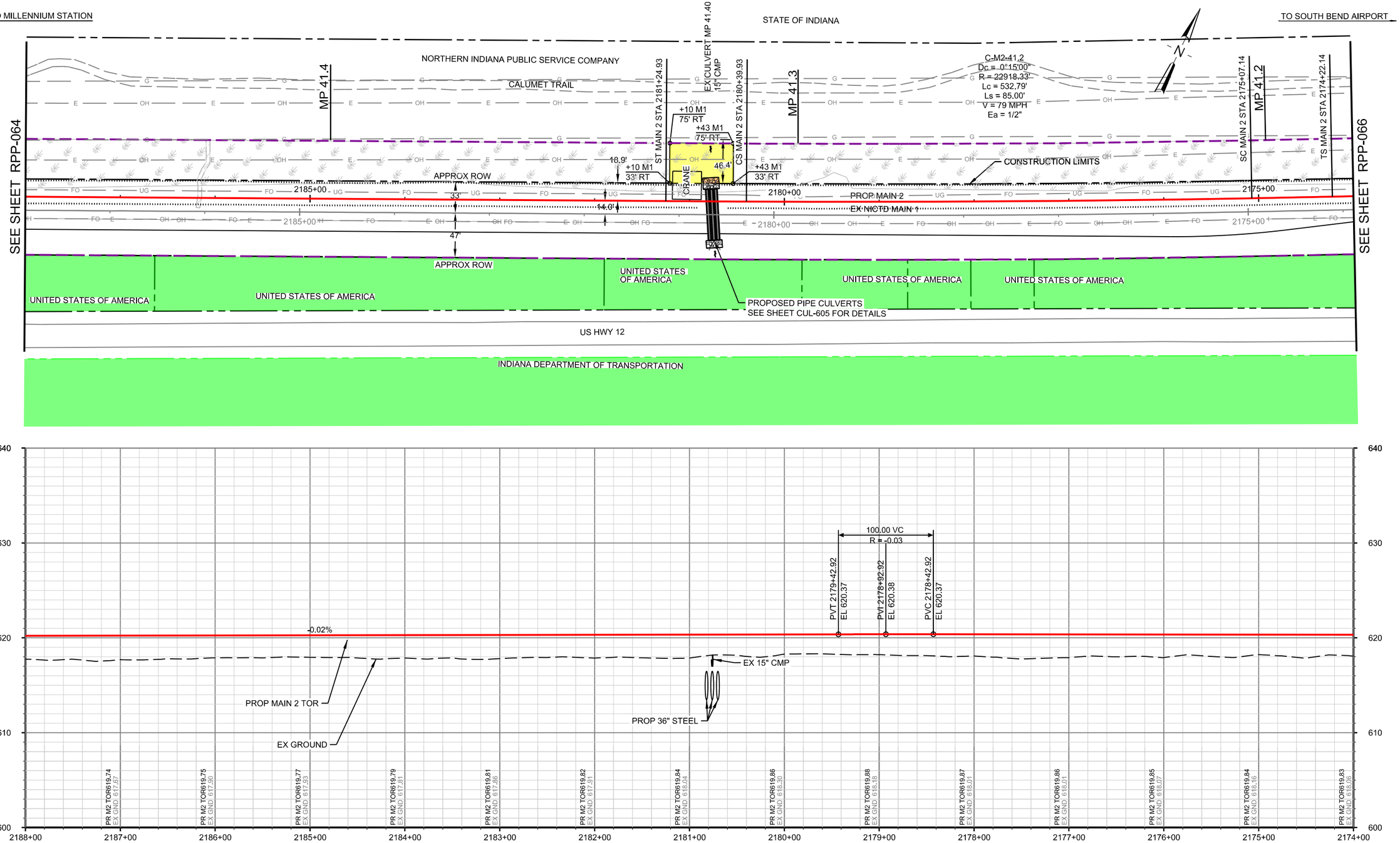
DESIGNED:	PEI-TJW
DRAWN:	PEI-TJW
CHECKED:	PEI-GTC
DATE:	03/16/2020

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

PLAN AND PROFILE
STA 2188+00 TO 2202+00
MP 41.5 TO 41.7

FILENAME	DT_DWG_RPP-001	SHEET
SCALE	AS NOTED	OF

PLOT DATE: 6/22/2020 10:50:18 AM kkoehneke



PROP MAIN 2 PROFILE

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DRAWING RPP-065 OF RPP-095

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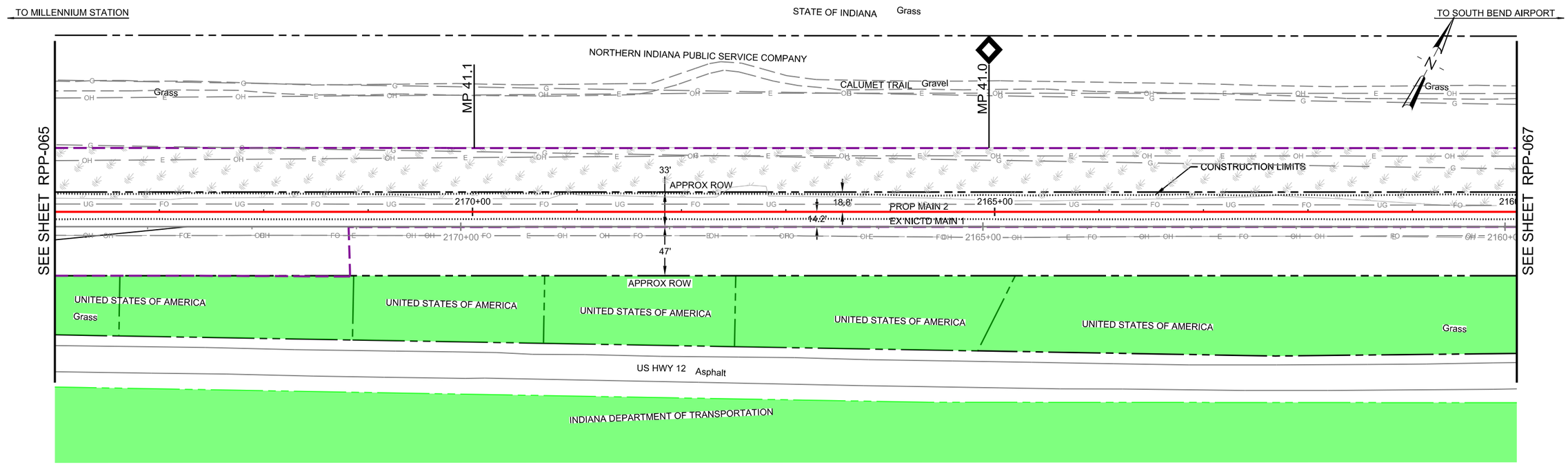
DOUBLE TRACK N·W·I
Connectivity for Accelerated Growth
MICHIGAN CITY TO GARY, INDIANA

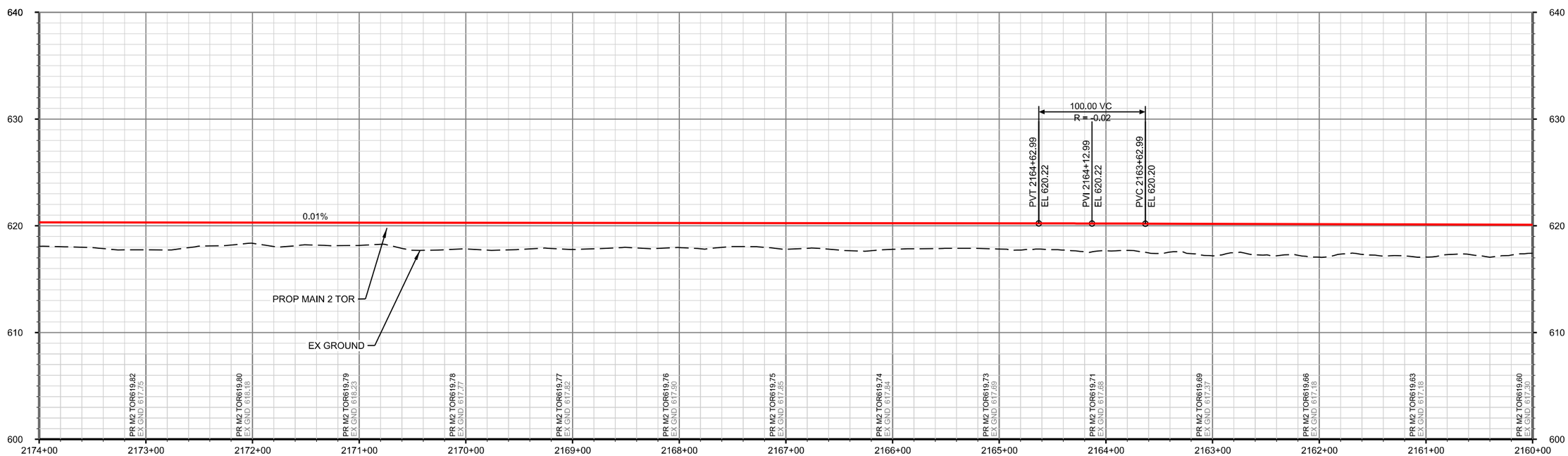
DESIGNED:	PEI-TJW
DRAWN:	PEI-TJW
CHECKED:	PEI-GTC
DATE:	03/16/2020

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

PLAN AND PROFILE
STA 2174+00 TO 2188+00
MP 41.2 TO 41.5

FILENAME	DT_DWG_RPP-001	SHEET
SCALE	AS NOTED	OF





50 25 0 50 100 HORIZONTAL SCALE

10 5 0 10 20 VERTICAL SCALE

PROP MAIN 2 PROFILE

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING RPP-066 OF RPP-095

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DOUBLE TRACK N·W·I
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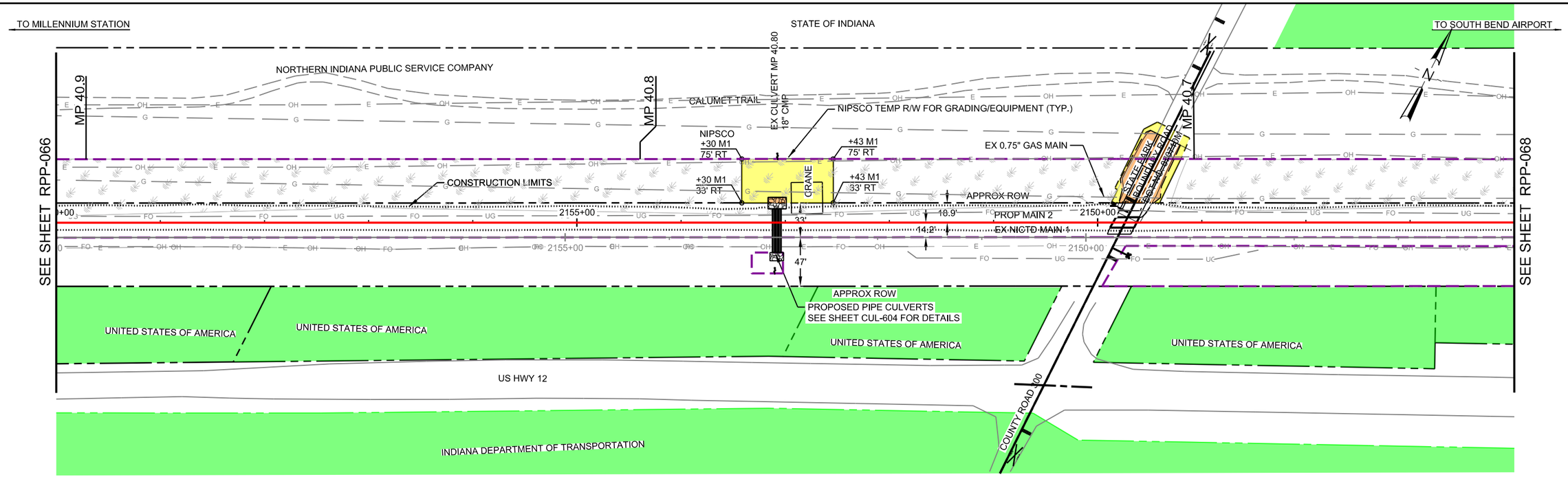
MICHIGAN CITY TO GARY, INDIANA

DESIGNED:	PEI-TJW
DRAWN:	PEI-TJW
CHECKED:	PEI-GTC
DATE:	03/16/2020

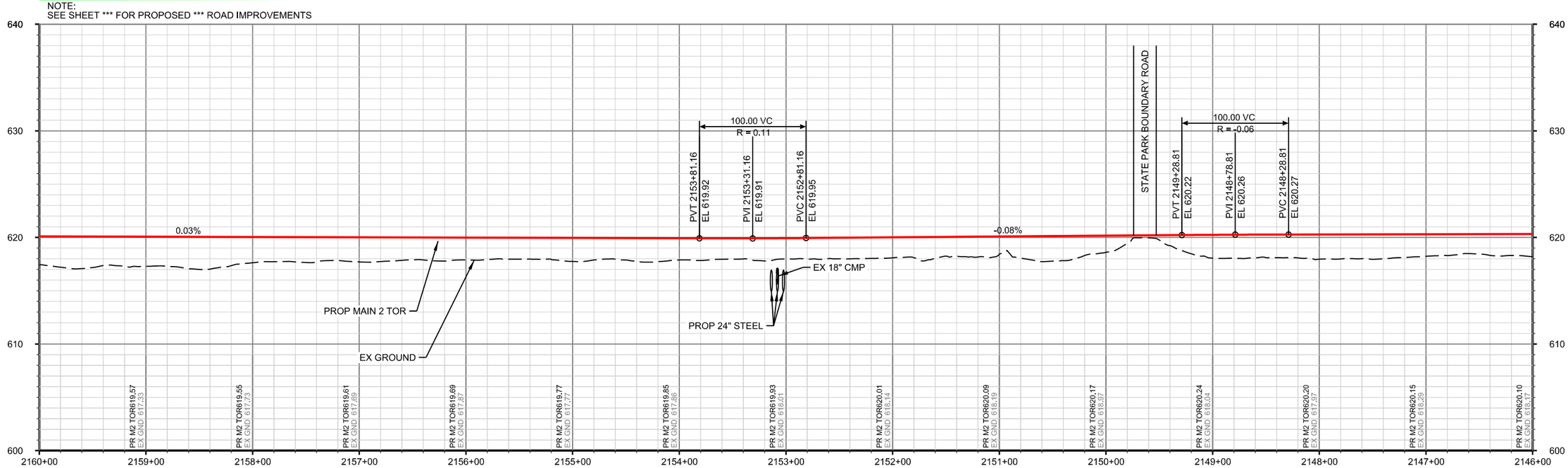
NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK-NWI

PLAN AND PROFILE
STA 2160+00 TO 2174+00
MP 40.9 TO 41.2

FILENAME	DT_DWG_RPP-001	SHEET
SCALE	AS NOTED	OF



NOTE:
SEE SHEET *** FOR PROPOSED *** ROAD IMPROVEMENTS



50 25 0 50 100 HORIZONTAL SCALE

10 5 0 10 20 VERTICAL SCALE

PROP MAIN 2 PROFILE

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING RPP-067 OF RPP-095

PLOT DATE: 6/2/2020 10:50:32 AM kkoehneke

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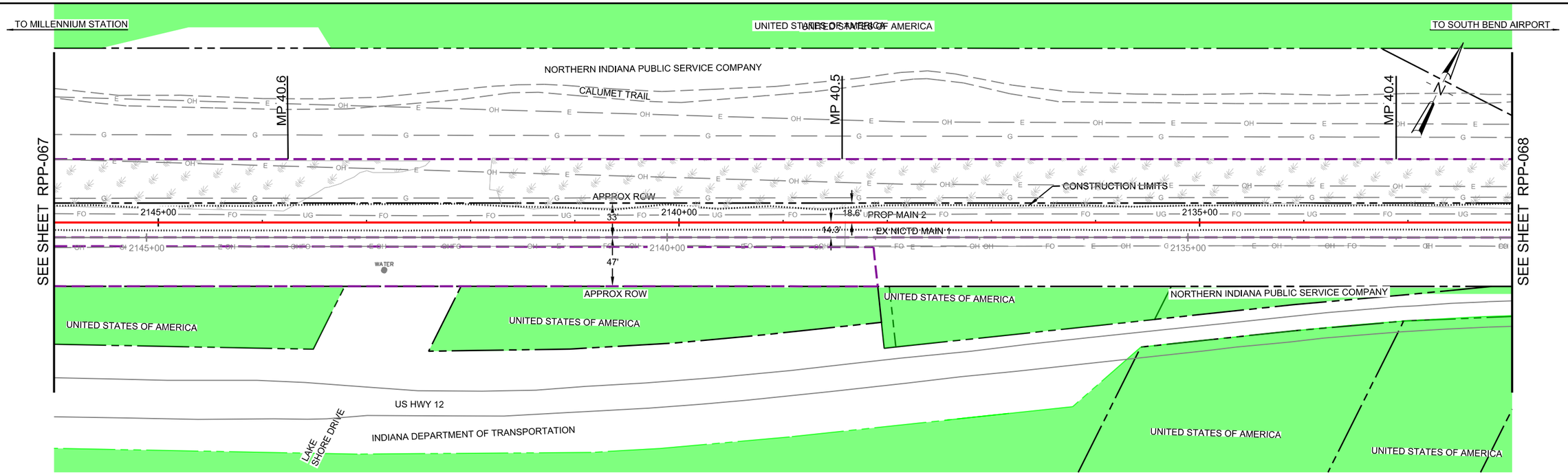
DOUBLE TRACK N·W·I
Connectivity for Accelerated Growth
MICHIGAN CITY TO GARY, INDIANA

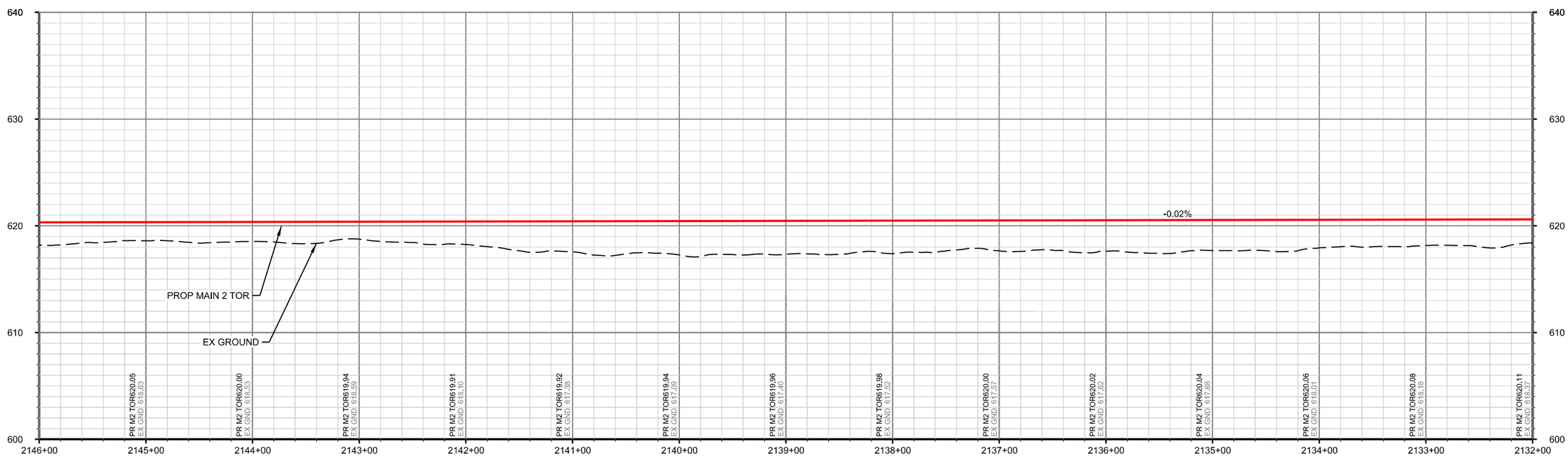
DESIGNED:	PEI-TJW
DRAWN:	PEI-TJW
CHECKED:	PEI-GTC
DATE:	03/16/2020

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

PLAN AND PROFILE
STA 2146+00 TO 2160+00
MP 40.6 TO 40.9

FILENAME	DT_DWG_RPP-001	SHEET
SCALE	AS NOTED	OF





50 25 0 50 100 HORIZONTAL SCALE

10 5 0 10 20 VERTICAL SCALE

PROP MAIN 2 PROFILE

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING RPP-068 OF RPP-095

PLOT DATE: 6/2/2020 10:50:37 AM kkoehneke

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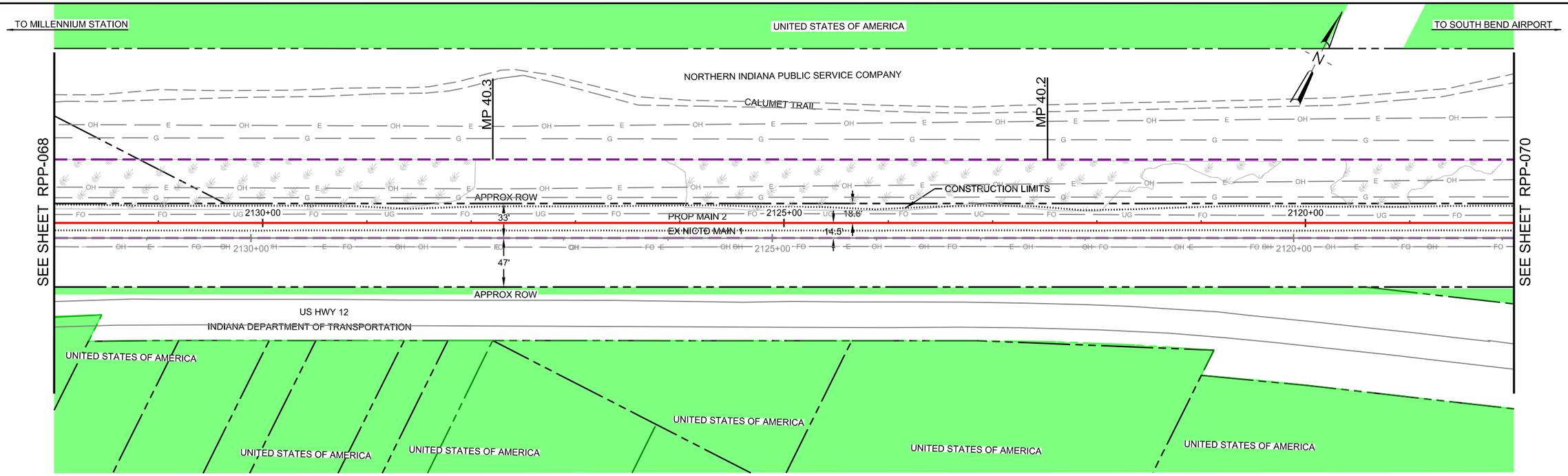
DOUBLE TRACK N·W·I
Connectivity for Accelerated Growth
MICHIGAN CITY TO GARY, INDIANA

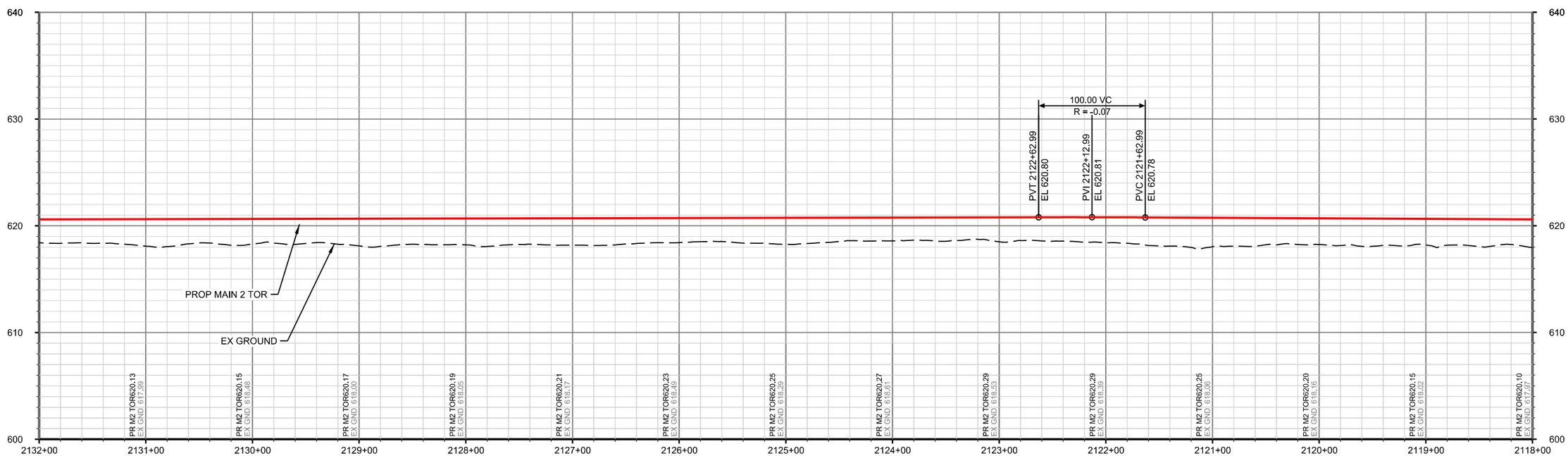
DESIGNED:	PEI-TJW
DRAWN:	PEI-TJW
CHECKED:	PEI-GTC
DATE:	03/16/2020

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

PLAN AND PROFILE
STA 2132+00 TO 2146+00
MP 40.4 TO 40.6

FILENAME	DT_DWG_RPP-001	SHEET
SCALE	AS NOTED	OF





HORIZONTAL SCALE (50 25 0 50 100) VERTICAL SCALE (10 5 0 10 20)

PROP MAIN 2 PROFILE

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING RPP-069 OF RPP-095

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Chesterton, Indiana 46304

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

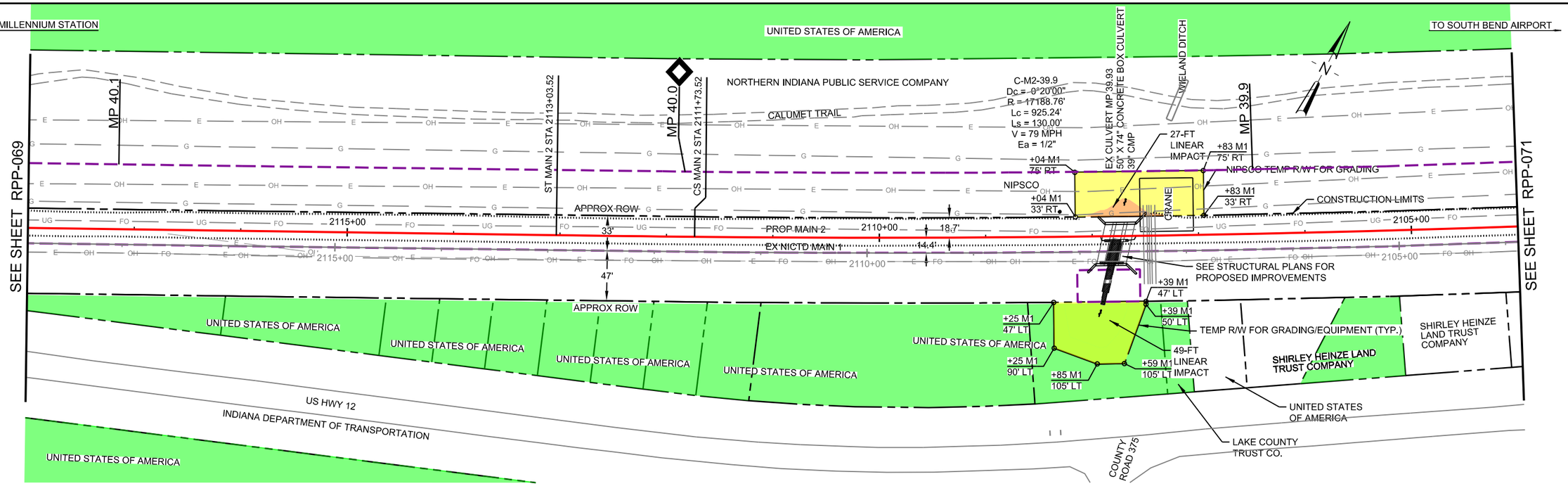
DESIGNED:	PEI-TJW
DRAWN:	PEI-TJW
CHECKED:	PEI-GTC
DATE:	03/16/2020

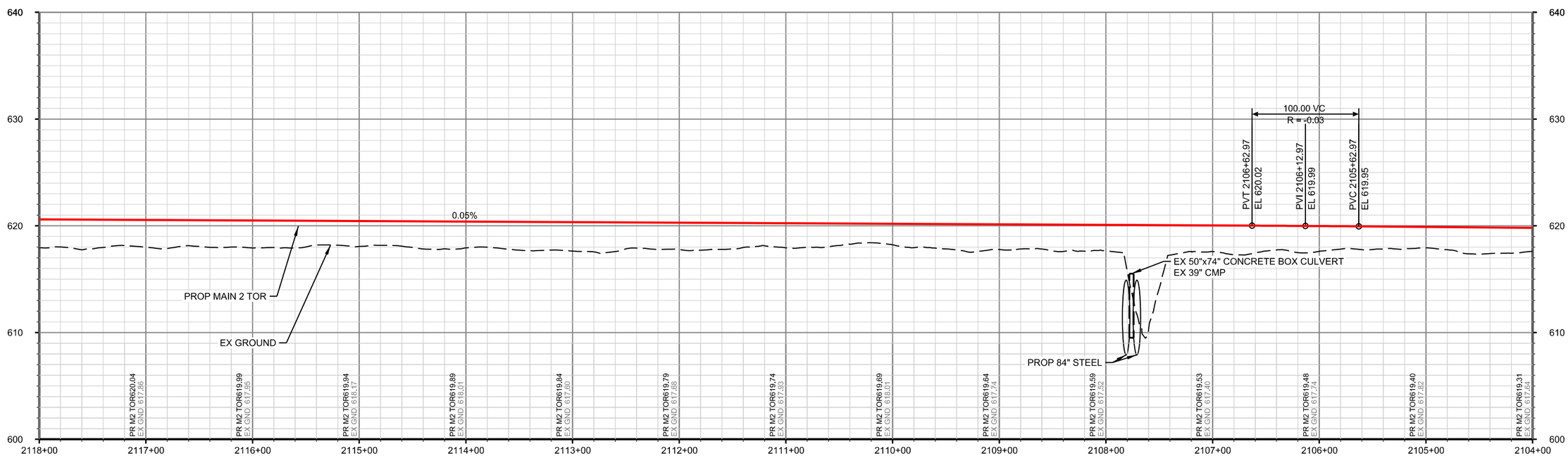
NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK-NWI

PLAN AND PROFILE
STA 2118+00 TO 2132+00
MP 40.1 TO 40.4

FILENAME DT_DWG_RPP-001
SCALE AS NOTED
SHEET OF

PLOT DATE: 6/22/2020 10:50:42 AM kkoehneke





50 25 0 50 100 HORIZONTAL SCALE

10 5 0 10 20 VERTICAL SCALE

PROP MAIN 2 PROFILE

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING RPP-070 OF RPP-095

PLOT DATE: 6/22/2020 10:50:47 AM kkoehneke

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Chesterton, Indiana 46304

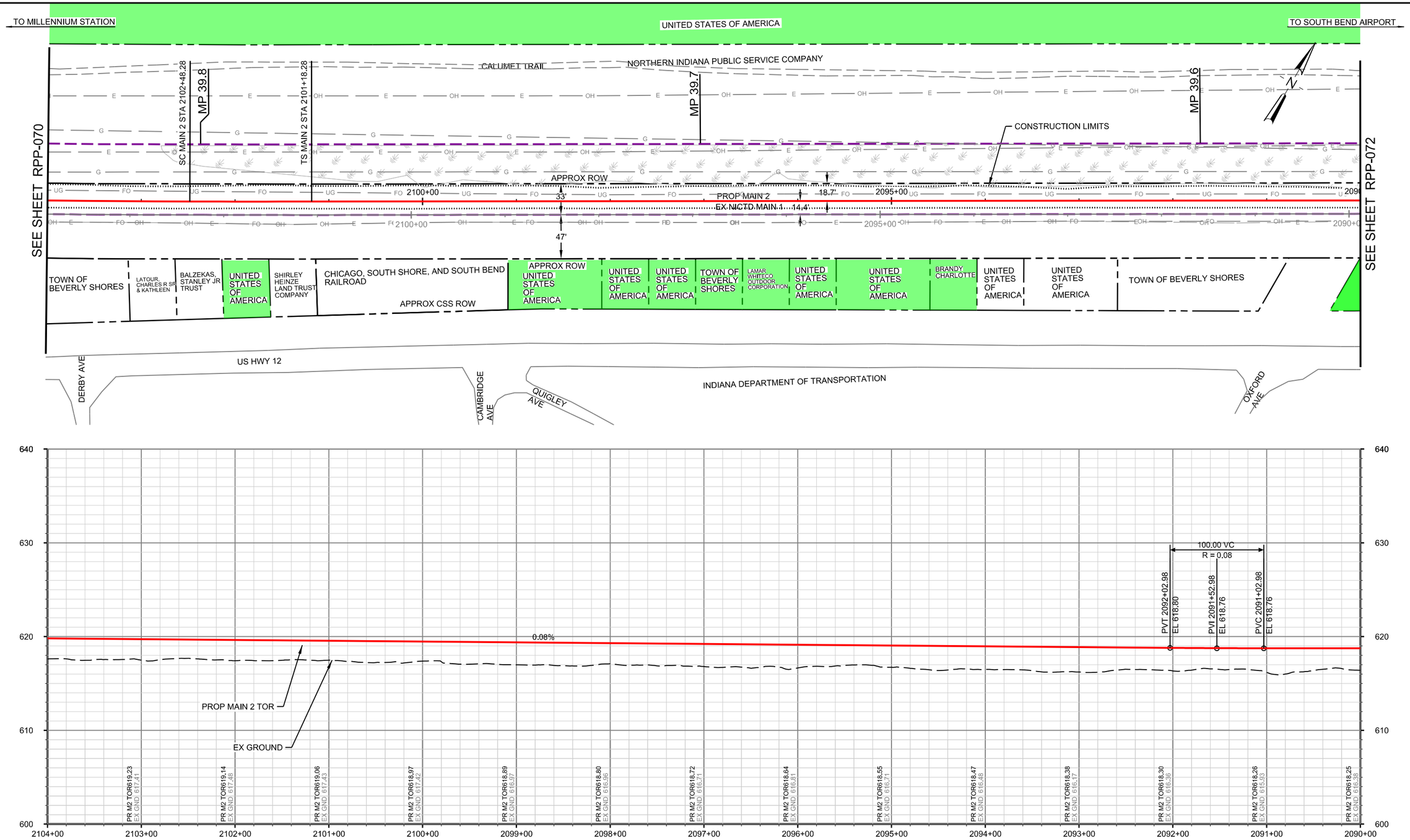
DOUBLE TRACK N·W·I
Connectivity for Accelerated Growth
MICHIGAN CITY TO GARY, INDIANA

DESIGNED:	PEI-TJW
DRAWN:	PEI-TJW
CHECKED:	PEI-GTC
DATE:	03/16/2020

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

PLAN AND PROFILE
STA 2104+00 TO 2118+00
MP 39.8 TO 40.1

FILENAME	DT_DWG_RPP-001	SHEET
SCALE	AS NOTED	OF



PROP MAIN 2 PROFILE

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING RPP-071 OF RPP-095

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33 East Highway 12
Chesterton, Indiana 46304

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

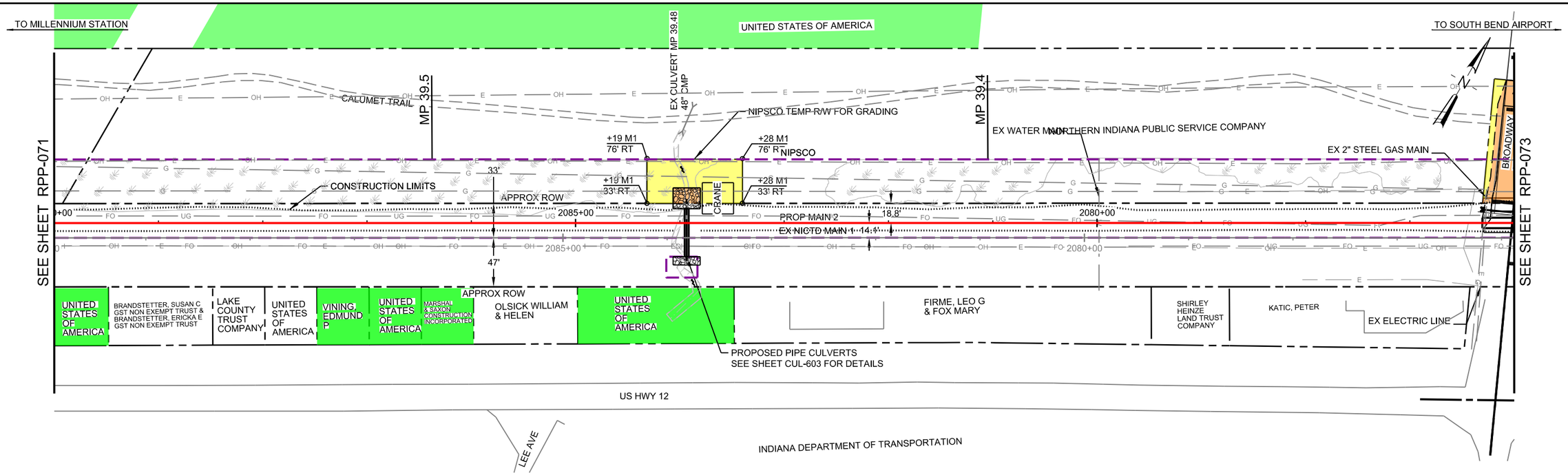
DESIGNED:	PEI-TJW
DRAWN:	PEI-TJW
CHECKED:	PEI-GTC
DATE:	03/16/2020

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

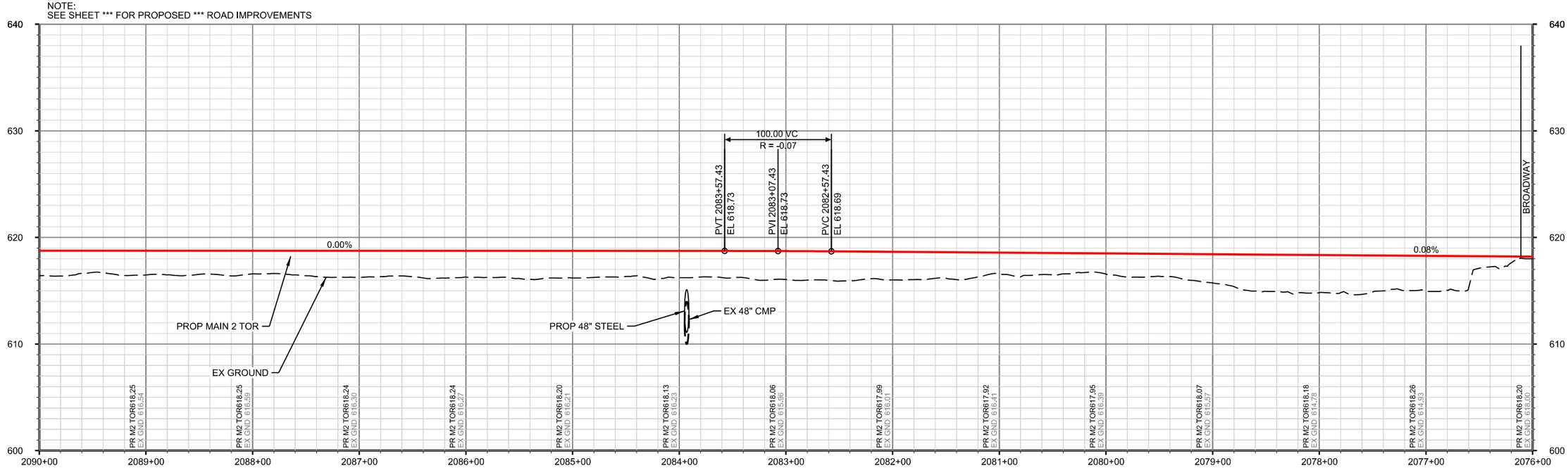
PLAN AND PROFILE
STA 2090+00 TO 2104+00
MP 39.6 TO 39.8

FILENAME	DT_DWG_RPP-001
SCALE	AS NOTED
SHEET	OF

PLOT DATE: 6/22/2020 10:50:52 AM kkoehneke



NOTE:
SEE SHEET *** FOR PROPOSED *** ROAD IMPROVEMENTS



50 25 0 50 100 HORIZONTAL SCALE

10 5 0 10 20 VERTICAL SCALE

PROP MAIN 2 PROFILE

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING RPP-072 OF RPP-095

PLOT DATE: 6/22/2020 10:50:57 AM kkoehneke

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33 East Highway 12
Chesterton, Indiana 46304

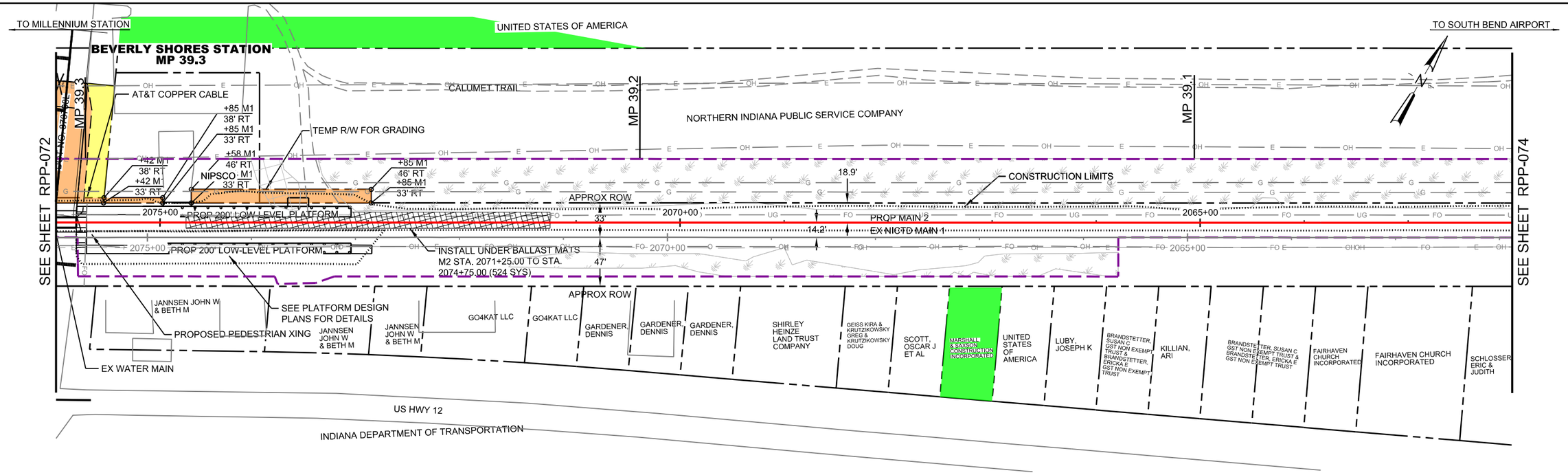
DOUBLE TRACK N·W·I
Connectivity for Accelerated Growth
MICHIGAN CITY TO GARY, INDIANA

DESIGNED:	PEI-TJW
DRAWN:	PEI-TJW
CHECKED:	PEI-GTC
DATE:	03/16/2020

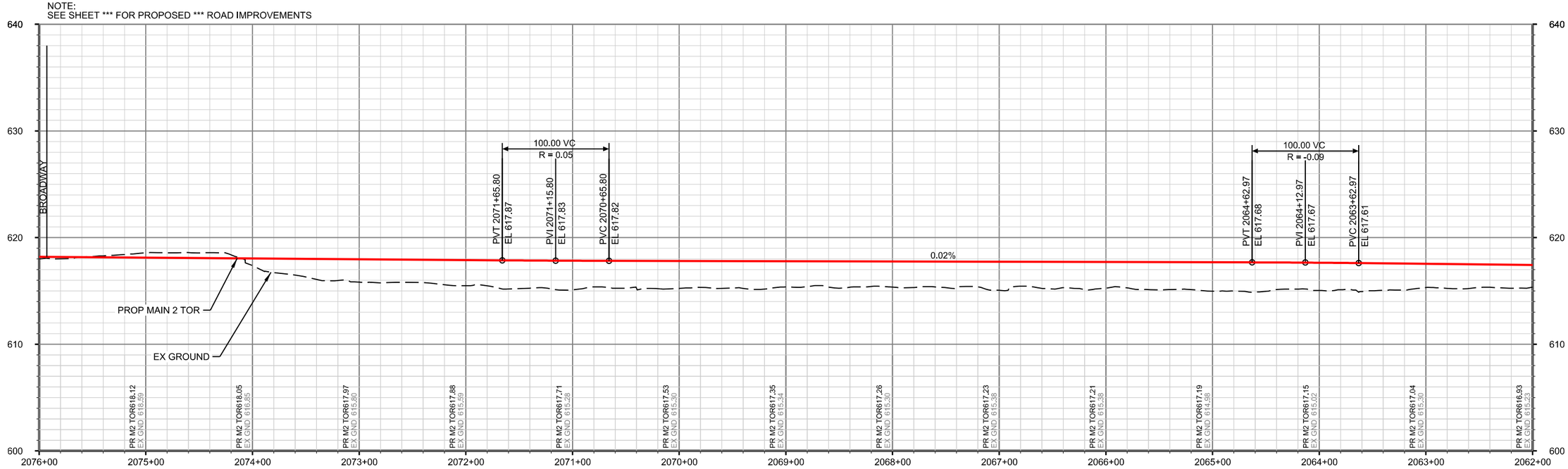
NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK-NWI

PLAN AND PROFILE
STA 2076+00 TO 2090+00
MP 39.3 TO 39.6

FILENAME	DT_DWG_RPP-001	SHEET
SCALE	AS NOTED	OF



NOTE:
SEE SHEET *** FOR PROPOSED *** ROAD IMPROVEMENTS



50 25 0 50 100 HORIZONTAL SCALE

10 5 0 10 20 VERTICAL SCALE

PROP MAIN 2 PROFILE

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING RPP-073 OF RPP-095

PLOT DATE: 6/22/2020 10:51:02 AM kkoehneke

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

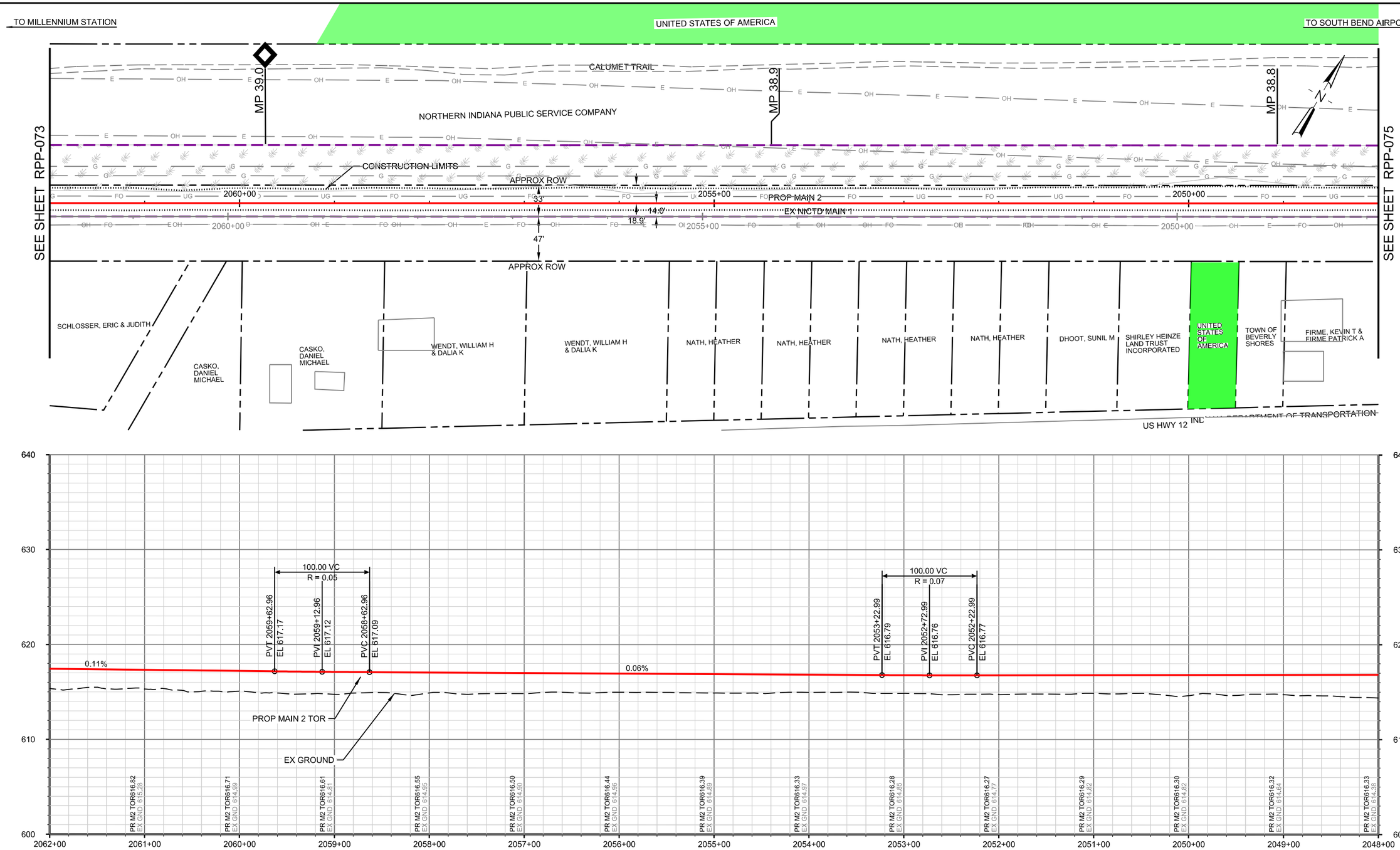
DOUBLE TRACK N·W·I
Connectivity for Accelerated Growth
MICHIGAN CITY TO GARY, INDIANA

DESIGNED:	PEI-TJW
DRAWN:	PEI-TJW
CHECKED:	PEI-GTC
DATE:	03/16/2020

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

PLAN AND PROFILE
STA 2062+00 TO 2076+00
MP 39.0 TO 39.3

FILENAME	DT_DWG_RPP-001	SHEET
SCALE	AS NOTED	OF



PROP MAIN 2 PROFILE

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING RPP-074 OF RPP-095

PLOT DATE: 6/22/2020 10:51:07 AM kkoehneke

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33 East Highway 12
Chesterton, Indiana 46304

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

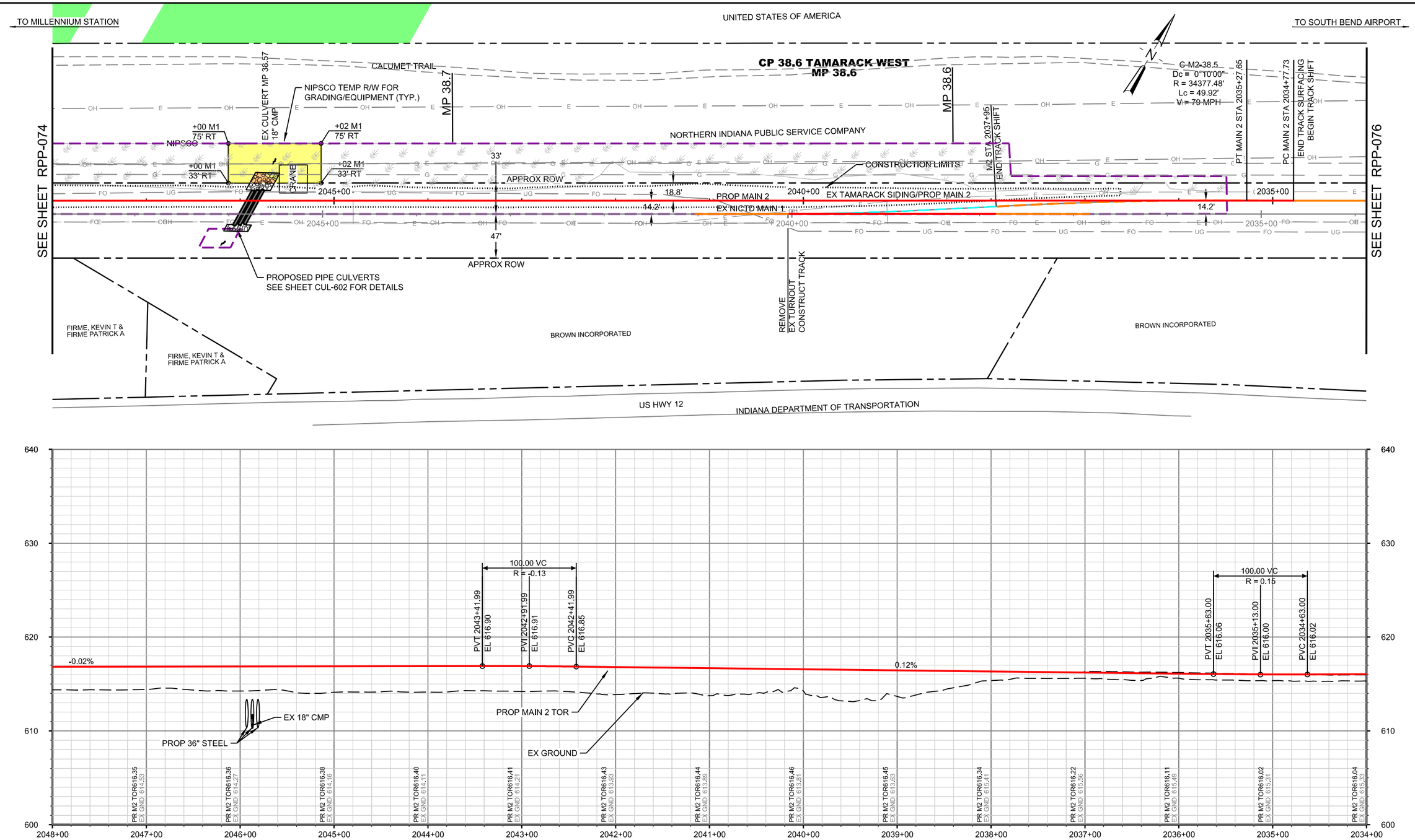
DESIGNED:	PEI-TJW
DRAWN:	PEI-TJW
CHECKED:	PEI-GTC
DATE:	03/16/2020

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

PLAN AND PROFILE
STA 2048+00 TO 2062+00
MP 38.8 TO 39.0

FILENAME	DT_DWG_RPP-001
SCALE	AS NOTED

SHEET OF



PROP MAIN 2 PROFILE

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING RPP-075 OF RPP-095

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33 East Highway 12
Chesterton, Indiana 46304

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

DESIGNED:	PEI-TJW
DRAWN:	PEI-TJW
CHECKED:	PEI-GTC
DATE:	03/16/2020

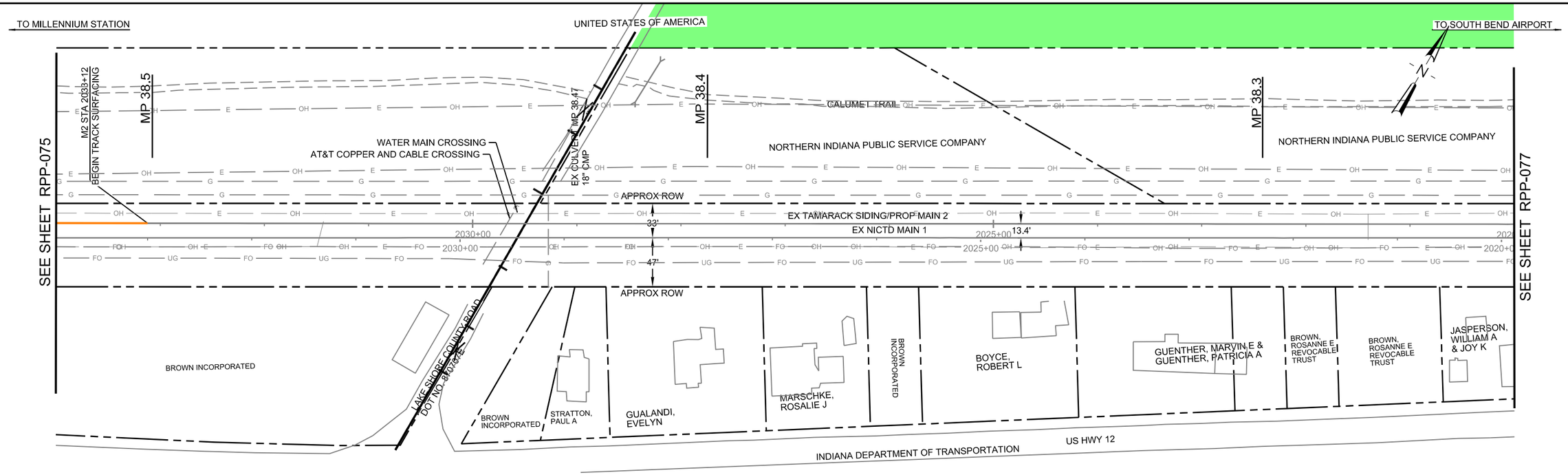
NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK-NWI

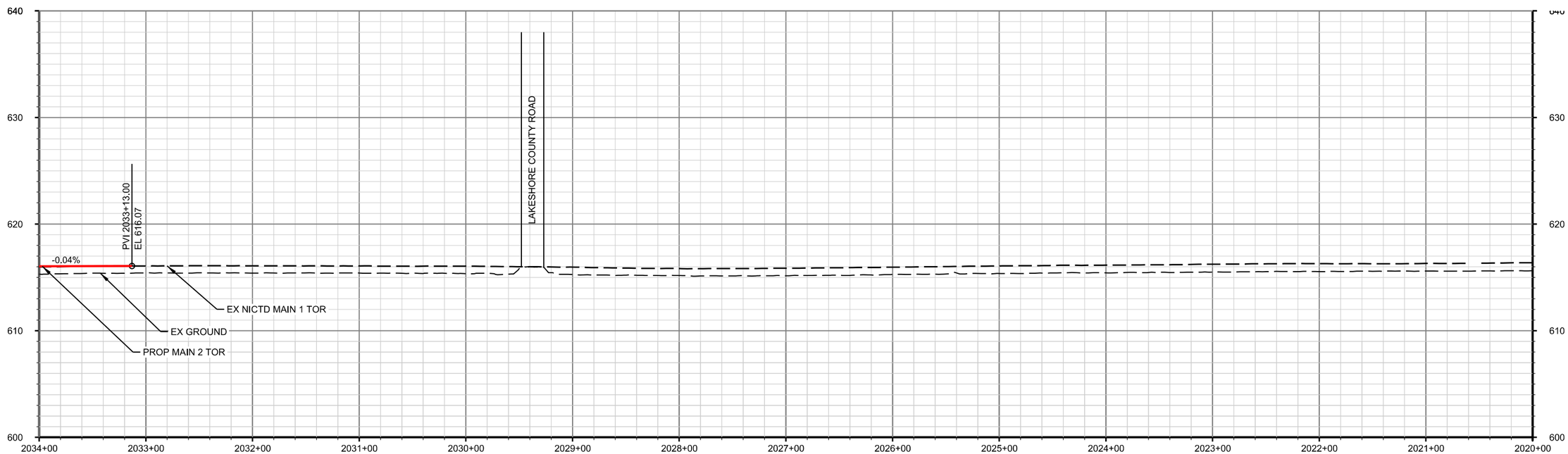
PLAN AND PROFILE
STA 2034+00 TO 2048+00
MP 38.5 TO 38.8

FILENAME	DT_DWG_RPP-001
SCALE	AS NOTED

SHEET OF

PLOT DATE: 6/22/2020 10:51:11 AM kkoehneke





50 25 0 50 100 HORIZONTAL SCALE

10 5 0 10 20 VERTICAL SCALE

PROP MAIN 2 PROFILE

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING RPP-076 OF RPP-095

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33 East Highway 12
Chesterton, Indiana 46304

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

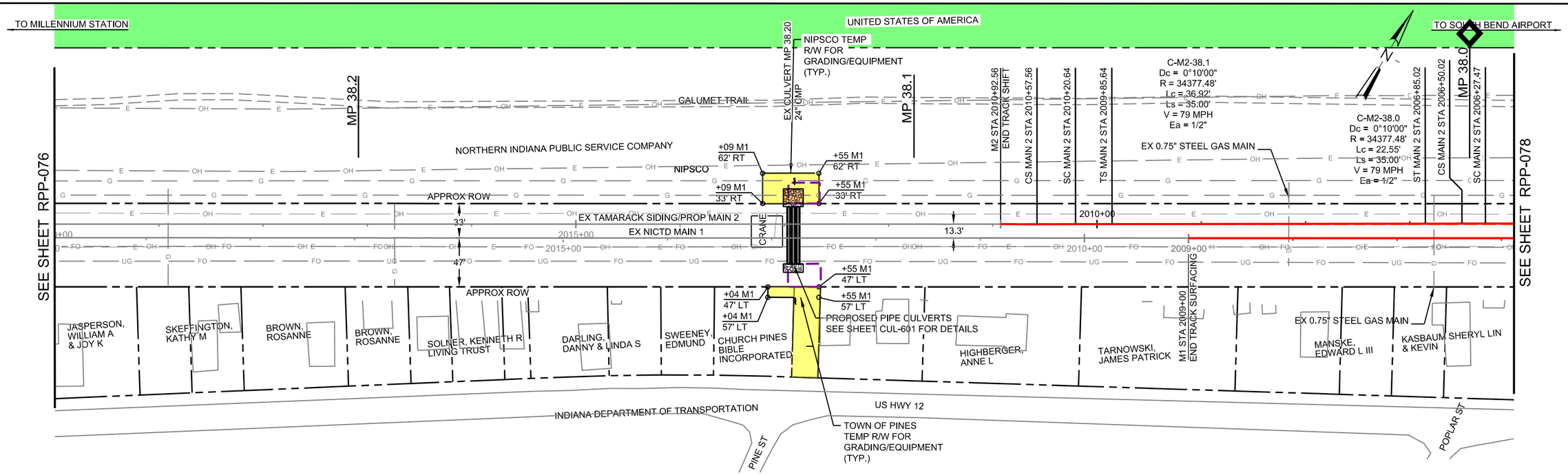
DESIGNED:	PEI-TJW
DRAWN:	PEI-TJW
CHECKED:	PEI-GTC
DATE:	03/16/2020

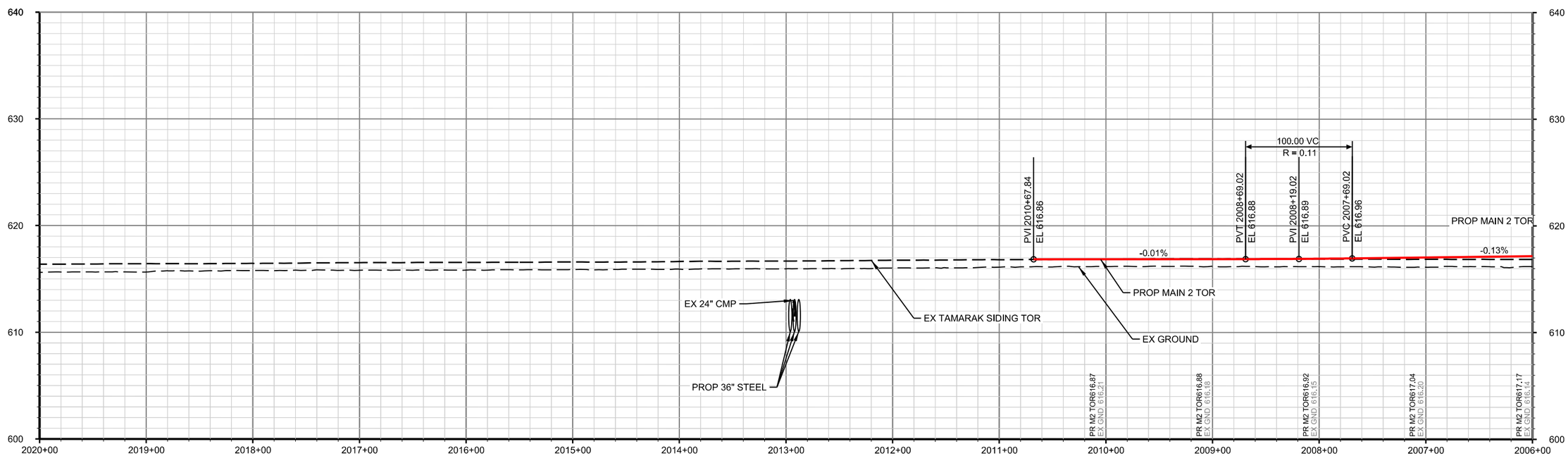
NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK-NWI

PLAN AND PROFILE
STA 2020+00 TO 2034+00
MP 38.3 TO 38.5

FILENAME	DT_DWG_RPP-001	SHEET
SCALE	AS NOTED	OF

PLOT DATE: 6/22/2020 10:51:16 AM kkoehneke





50 25 0 50 100 HORIZONTAL SCALE

10 5 0 10 20 VERTICAL SCALE

PROP MAIN 2 PROFILE

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING RPP-077 OF RPP-095

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33 East Highway 12
Chesterton, Indiana 46304

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

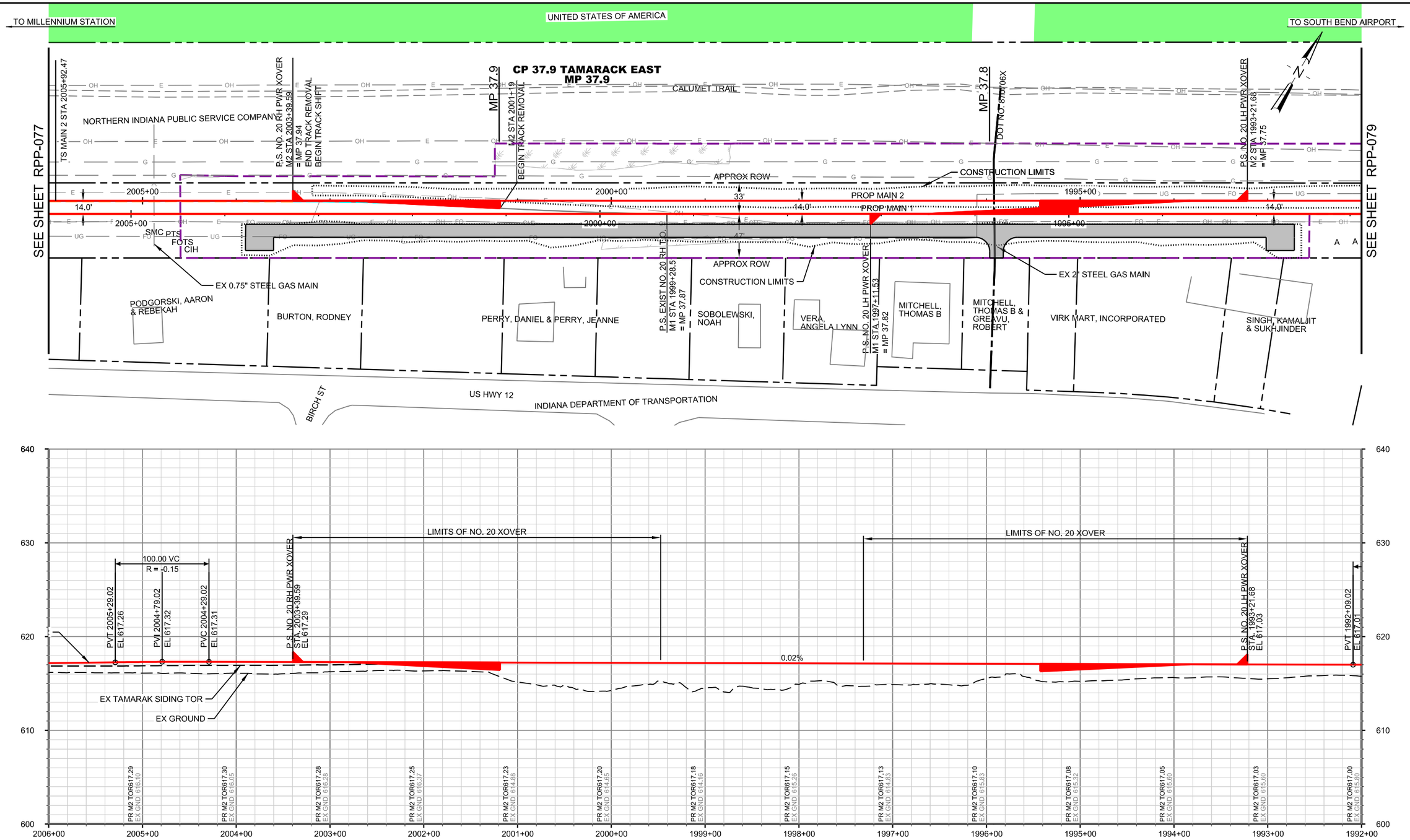
DESIGNED:	PEI-TJW
DRAWN:	PEI-TJW
CHECKED:	PEI-GTC
DATE:	03/16/2020

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

PLAN AND PROFILE
STA 2006+00 TO 2020+00
MP 38.0 TO 38.3

FILENAME	DT_DWG_RPP-001	SHEET
SCALE	AS NOTED	OF

PLOT DATE: 6/22/2020 10:51:20 AM kkoehneke



PROP MAIN 2 PROFILE

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING RPP-078 OF RPP-095

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33 East Highway 12
Chesterton, Indiana 46304

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

DESIGNED:	PEI-TJW
DRAWN:	PEI-TJW
CHECKED:	PEI-GTC
DATE:	03/16/2020

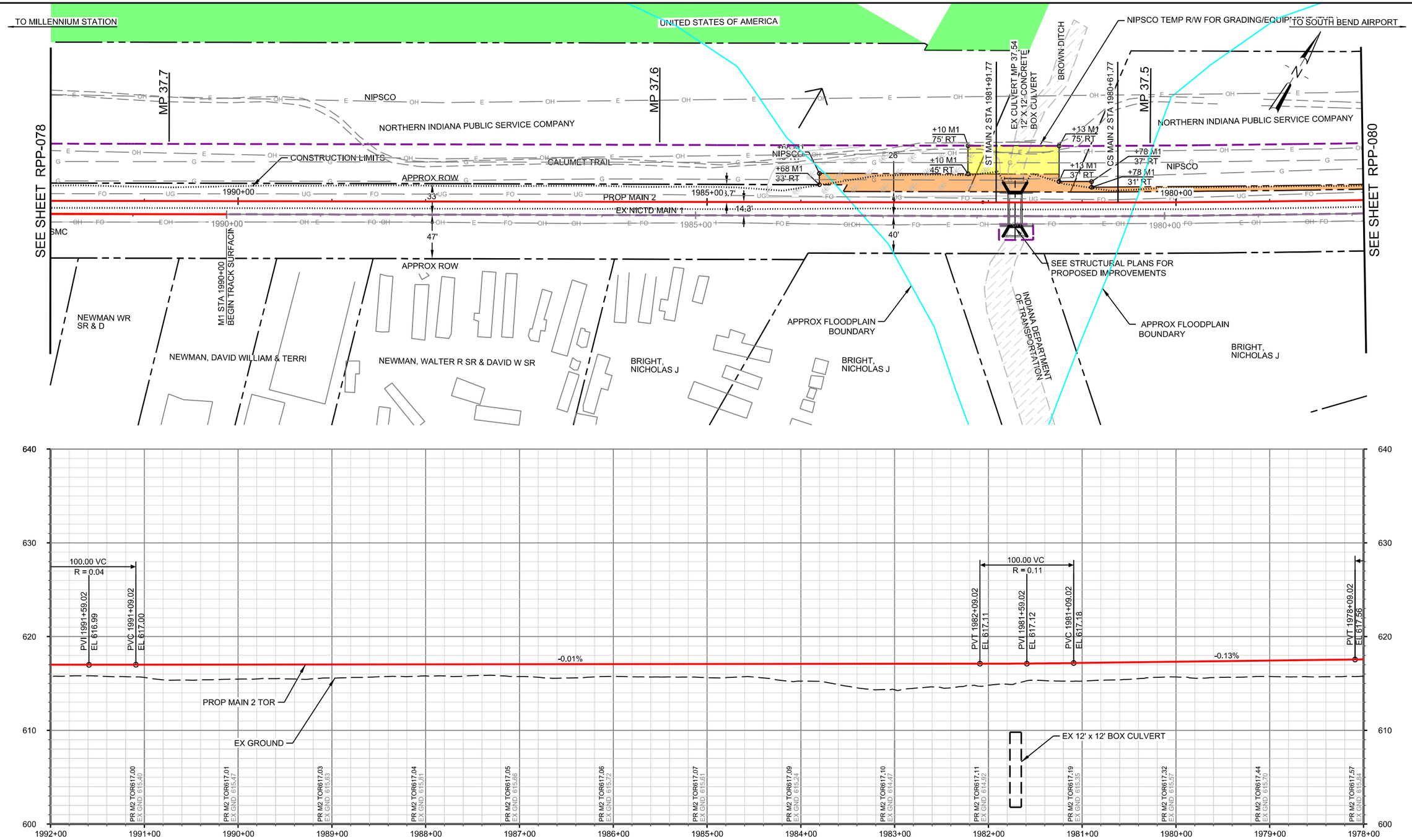
NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK-NWI

PLAN AND PROFILE
STA 1992+00 TO 2006+00
MP 37.7 TO 38.0

FILENAME	DT_DWG_RPP-001
SCALE	AS NOTED

SHEET OF

PLOT DATE: 6/22/2020 10:51:25 AM kkoehneke



PROP MAIN 2 PROFILE

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING RPP-079 OF RPP-095

PLOT DATE: 6/22/2020 10:51:30 AM kkoehneke

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33 East Highway 12
Chesterton, Indiana 46304

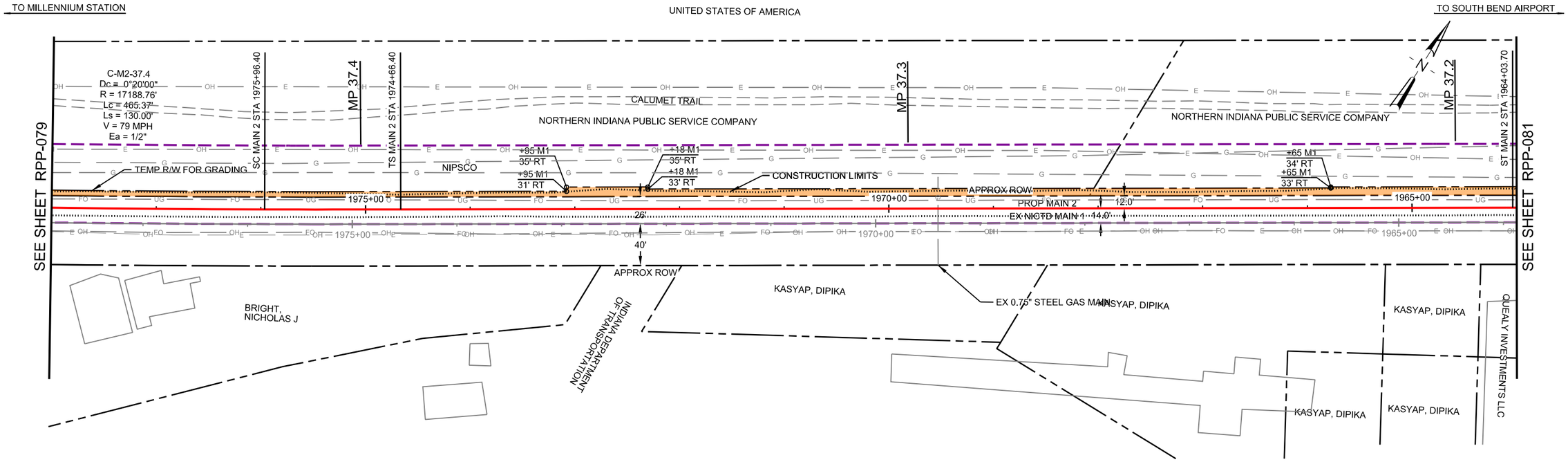
DOUBLE TRACK N·W·I
Connectivity for Accelerated Growth
MICHIGAN CITY TO GARY, INDIANA

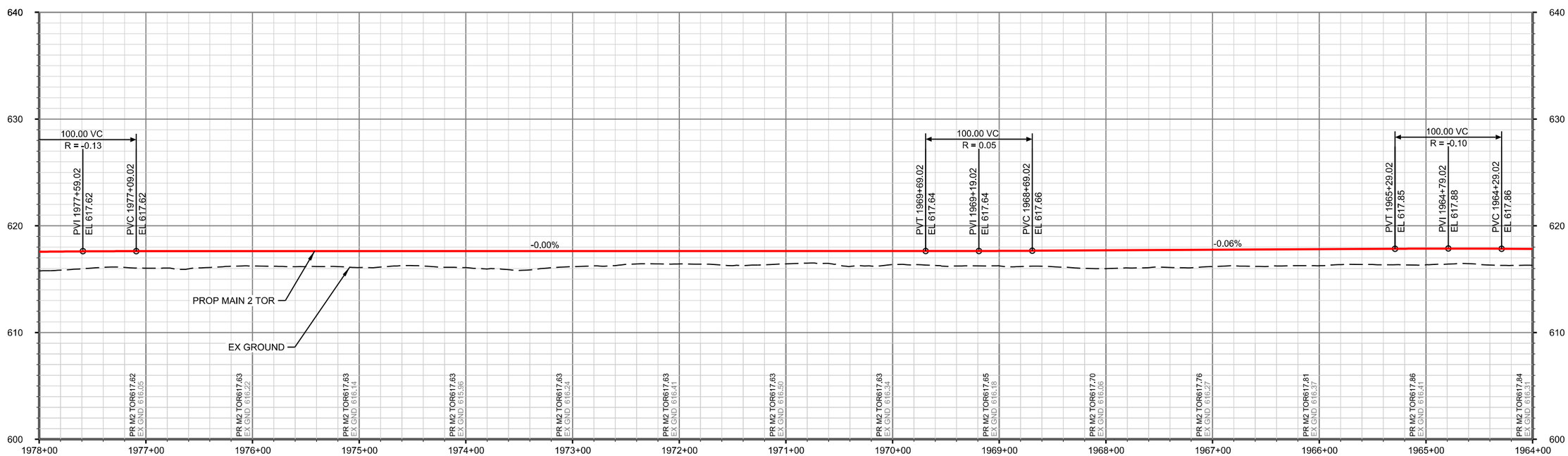
DESIGNED:	PEI-TJW
DRAWN:	PEI-TJW
CHECKED:	PEI-GTC
DATE:	03/16/2020

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

PLAN AND PROFILE
STA 1978+00 TO 1992+00
MP 37.5 TO 37.7

FILENAME	DT_DWG_RPP-001	SHEET
SCALE	AS NOTED	OF





HORIZONTAL SCALE 50 25 0 50 100

VERTICAL SCALE 10 5 0 10 20

PROP MAIN 2 PROFILE

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING RPP-080 OF RPP-095

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33 East Highway 12
Chesterton, Indiana 46304

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

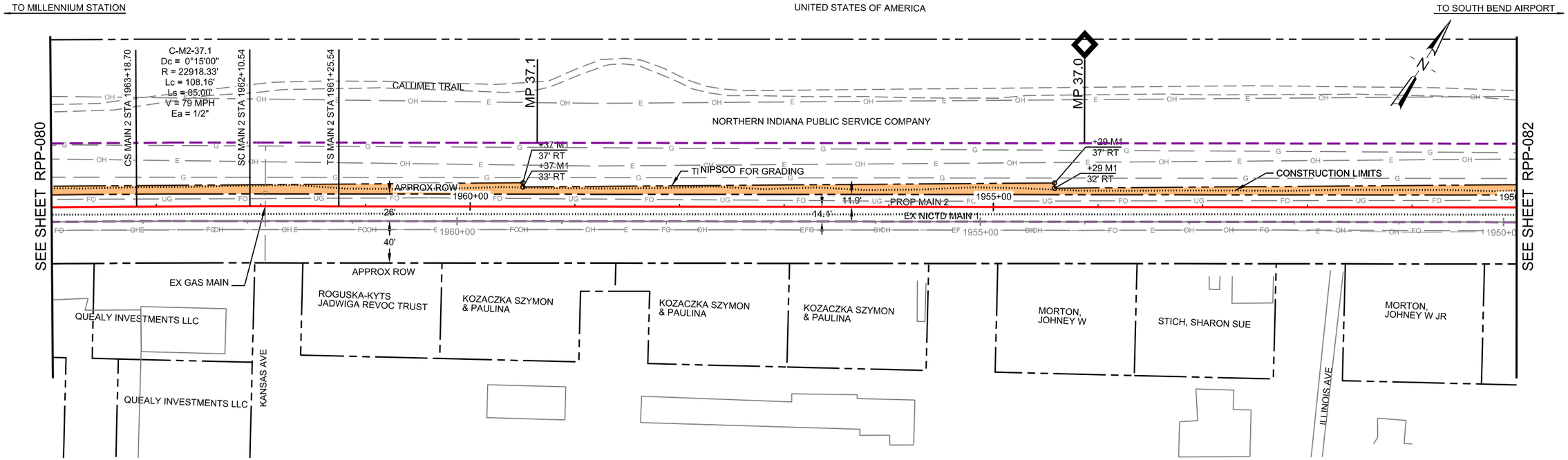
DESIGNED:	PEI-TJW
DRAWN:	PEI-TJW
CHECKED:	PEI-GTC
DATE:	03/16/2020

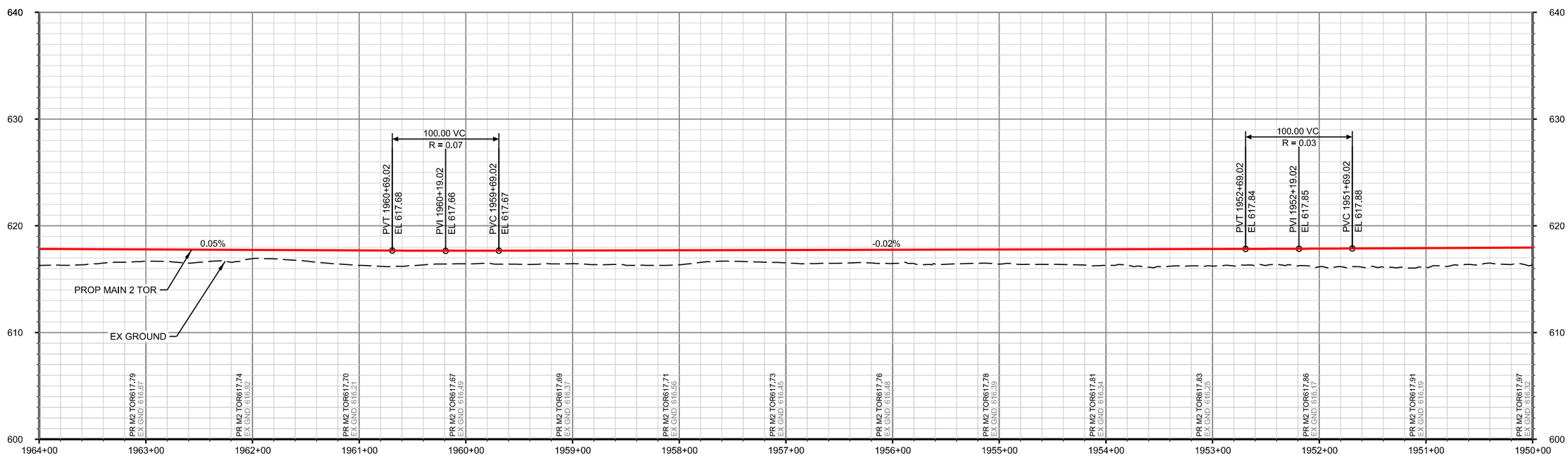
NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK-NWI

PLAN AND PROFILE
STA 1964+00 TO 1978+00
MP 37.2 TO 37.5

FILENAME	DT_DWG_RPP-001	SHEET
SCALE	AS NOTED	OF

PLOT DATE: 6/22/2020 10:51:35 AM kkoehneke





50 25 0 50 100 HORIZONTAL SCALE

10 5 0 10 20 VERTICAL SCALE

PROP MAIN 2 PROFILE

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING RPP-081 OF RPP-095

PLOT DATE: 6/22/2020 10:51:39 AM kkoehneke

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33 East Highway 12
Chesterton, Indiana 46304

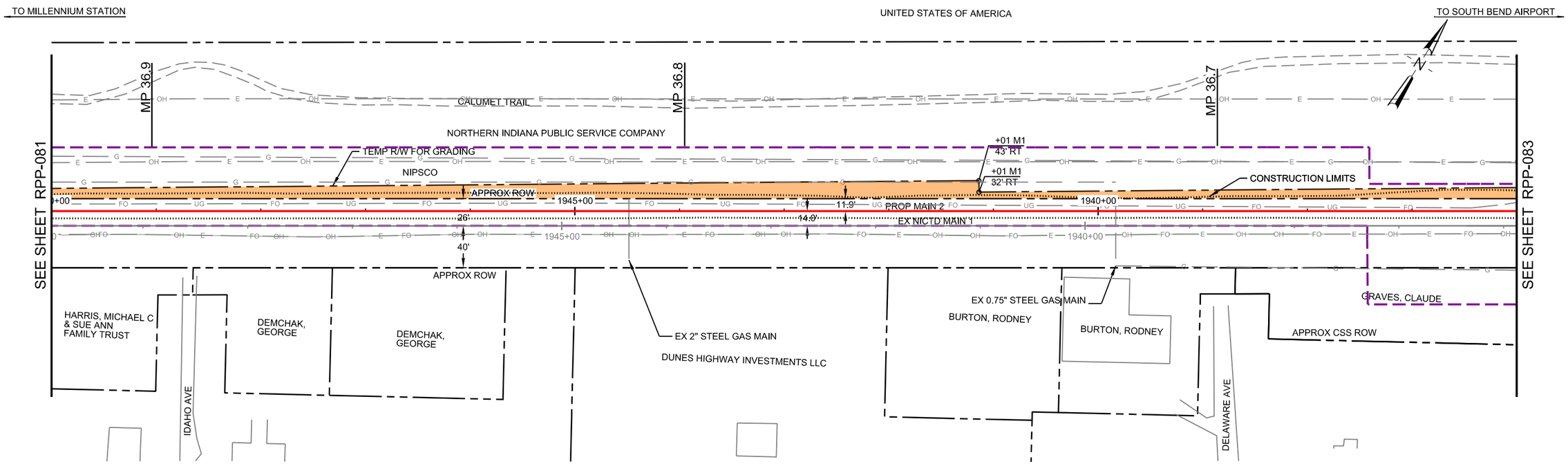
DOUBLE TRACK N·W·I
Connectivity for Accelerated Growth
MICHIGAN CITY TO GARY, INDIANA

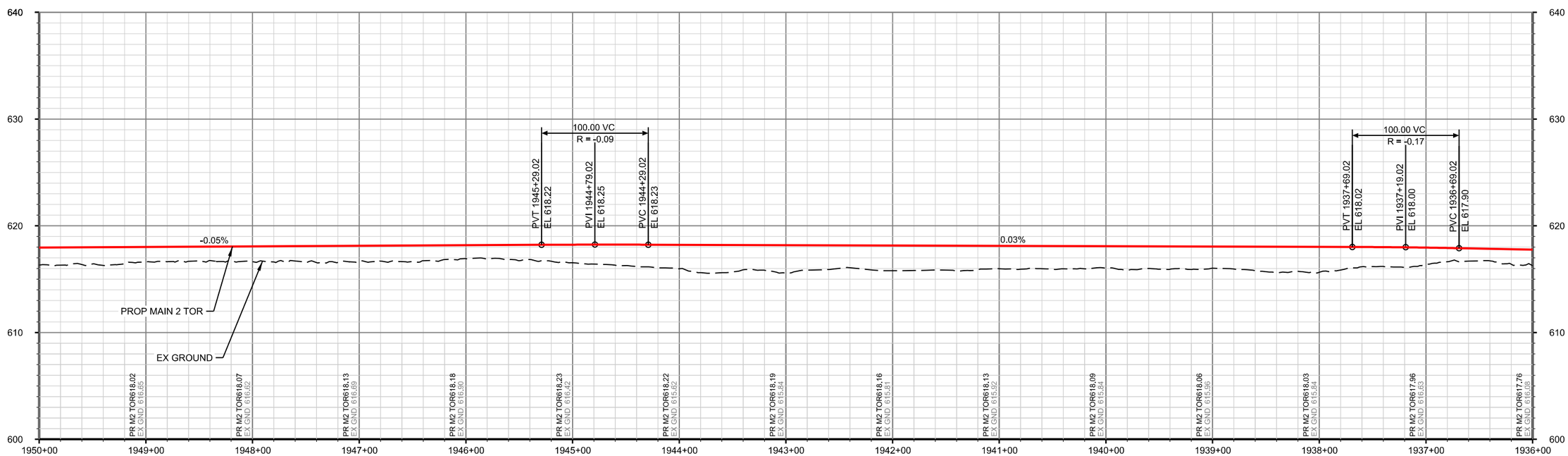
DESIGNED:	PEI-TJW
DRAWN:	PEI-TJW
CHECKED:	PEI-GTC
DATE:	03/16/2020

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

PLAN AND PROFILE
STA 1950+00 TO 1964+00
MP 36.9 TO 37.2

FILENAME	DT_DWG_RPP-001	SHEET
SCALE	AS NOTED	OF





PROP MAIN 2 PROFILE

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING RPP-082 OF RPP-095

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33 East Highway 12
Chesterton, Indiana 46304

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

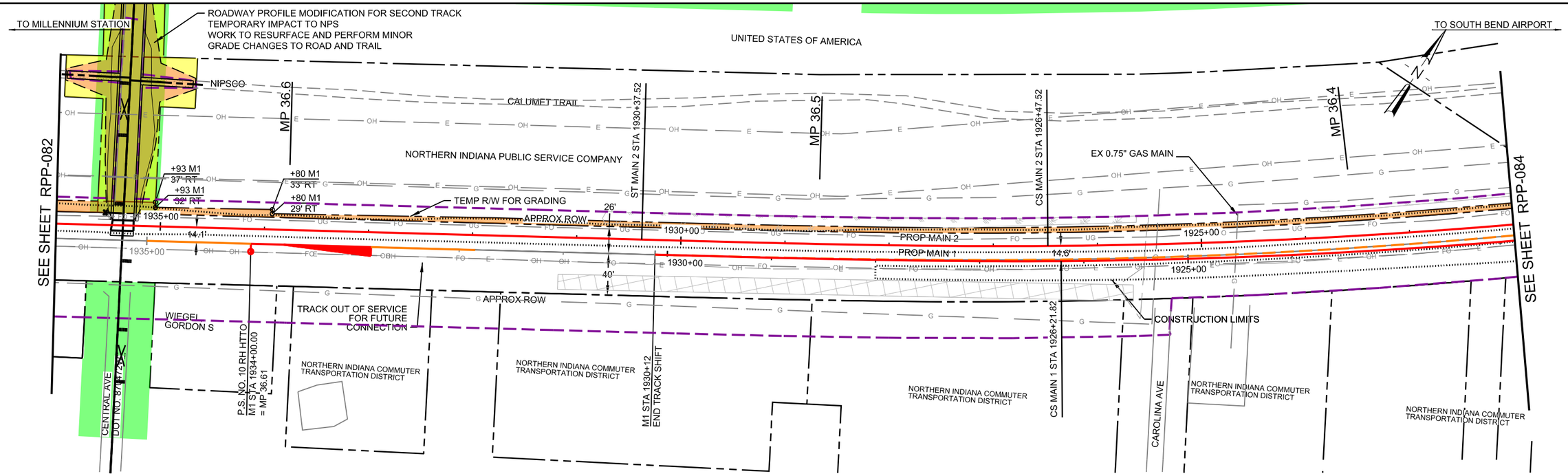
DESIGNED:	PEI-TJW
DRAWN:	PEI-TJW
CHECKED:	PEI-GTC
DATE:	03/16/2020

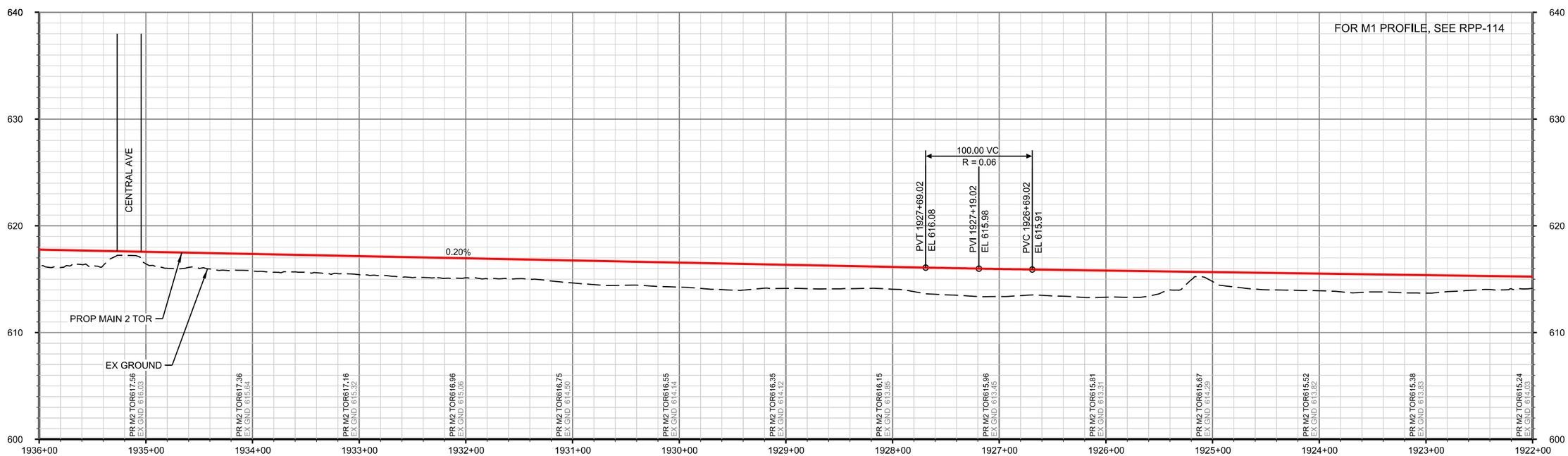
NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK-NWI

PLAN AND PROFILE
STA 1936+00 TO 1950+00
MP 36.6 TO 36.9

FILENAME	DT_DWG_RPP-001	SHEET
SCALE	AS NOTED	OF

PLOT DATE: 6/2/2020 10:51:44 AM kkoehneke





50 25 0 50 100 HORIZONTAL SCALE

10 5 0 10 20 VERTICAL SCALE

PROP MAIN 2 PROFILE

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING RPP-083 OF RPP-095

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ISSUE	DATE	DESCRIPTION
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33 East Highway 12
Chesterton, Indiana 46304

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

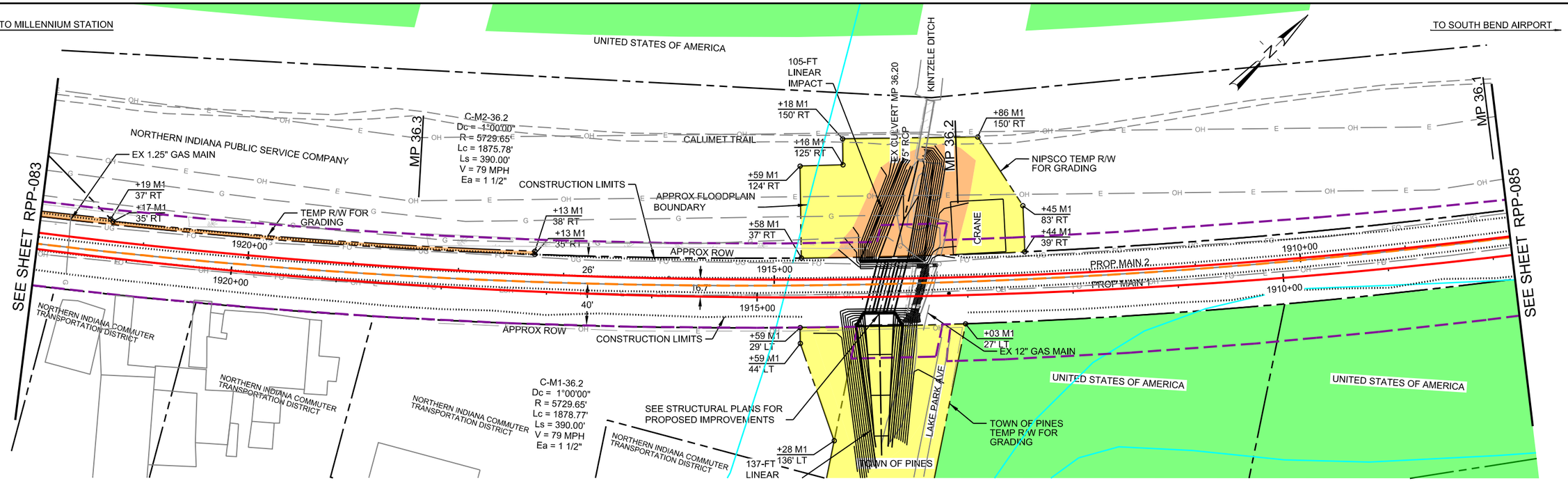
DESIGNED:	PEI-TJW
DRAWN:	PEI-TJW
CHECKED:	PEI-GTC
DATE:	03/16/2020

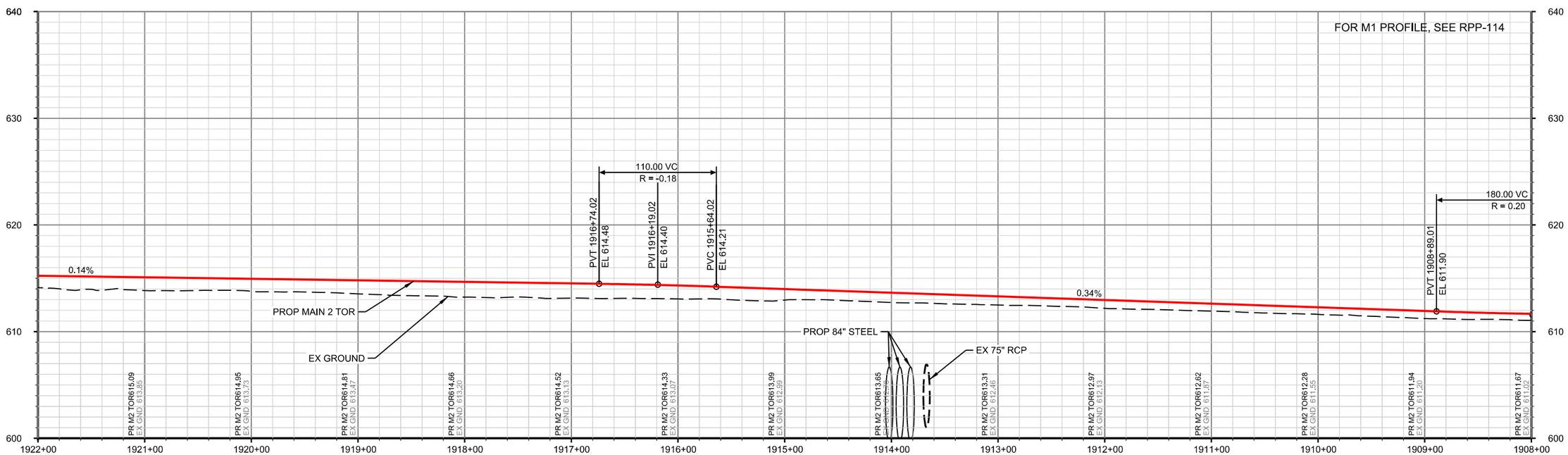
NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK-NWI

PLAN AND PROFILE
STA 1922+00 TO 1936+00
MP 36.4 TO 36.6

FILENAME	DT_DWG_RPP-001	SHEET
SCALE	AS NOTED	OF

PLOT DATE: 6/22/2020 10:51:50 AM kkoehneke





PROP MAIN 2 PROFILE

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING RPP-084 OF RPP-095

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ISSUE	DATE	DESCRIPTION
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33 East Highway 12
Chesterton, Indiana 46304

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

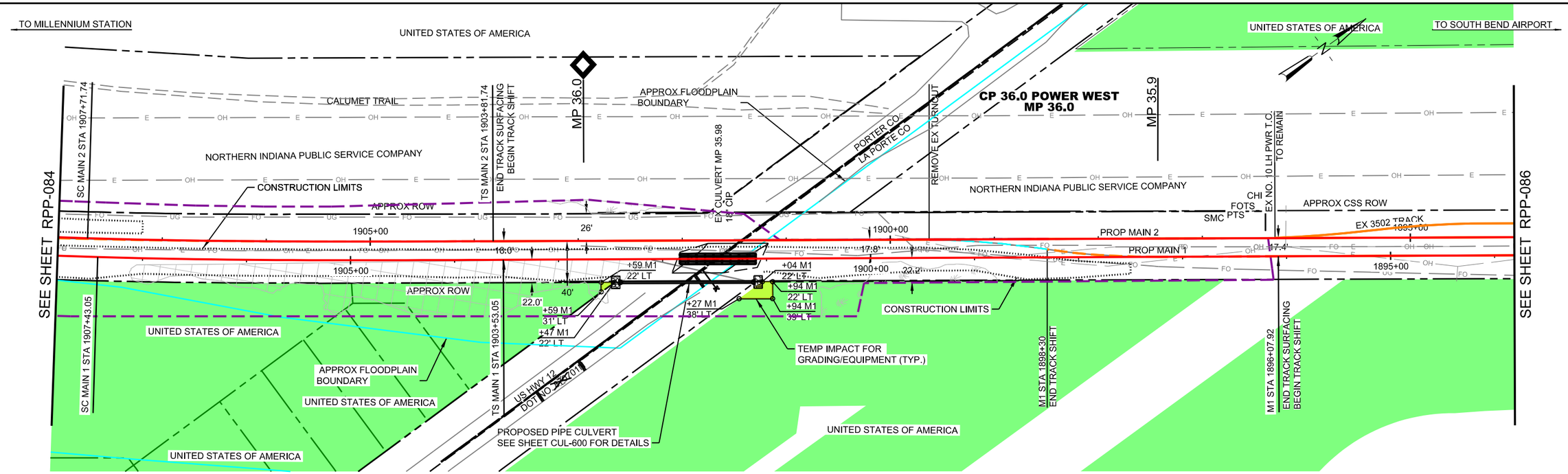
DESIGNED:	PEI-TJW
DRAWN:	PEI-TJW
CHECKED:	PEI-GTC
DATE:	03/16/2020

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

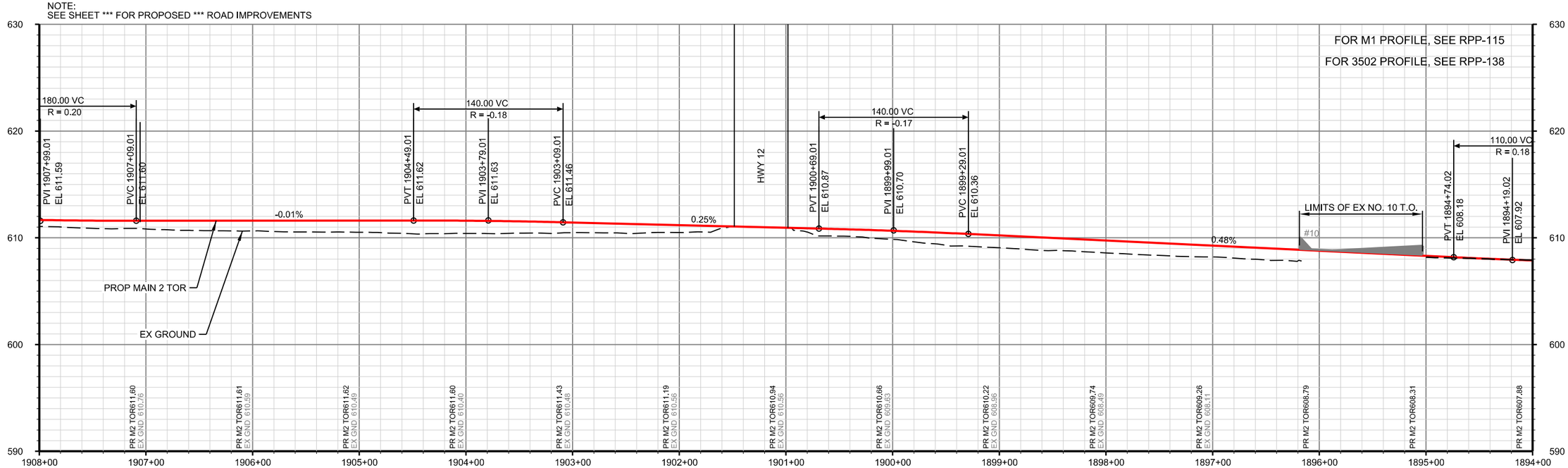
PLAN AND PROFILE
STA 1908+00 TO 1922+00
MP 36.1 TO 36.4

FILENAME	DT_DWG_RPP-001
SCALE	AS NOTED
SHEET	OF

PLOT DATE: 6/22/2020 10:51:55 AM kkoehneke



NOTE:
SEE SHEET *** FOR PROPOSED *** ROAD IMPROVEMENTS



HORIZONTAL SCALE 50 25 0 50 100
VERTICAL SCALE 10 5 0 10 20

PROP MAIN 2 PROFILE

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING RPP-085 OF RPP-095

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33 East Highway 12
Chesterton, Indiana 46304

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

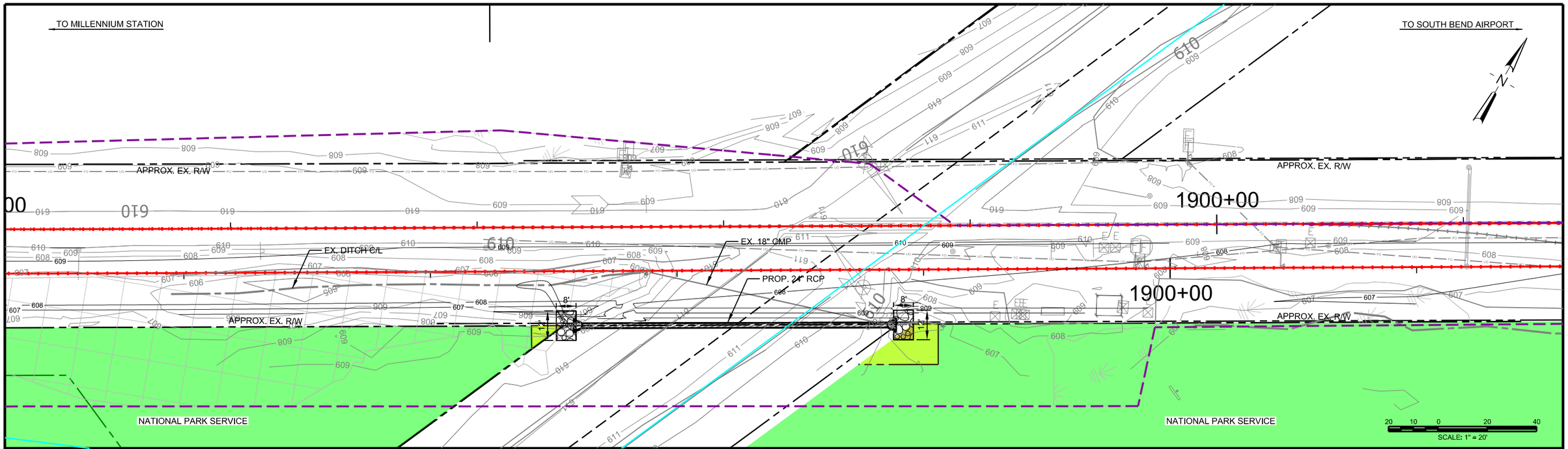
DESIGNED:	PEI-TJW
DRAWN:	PEI-TJW
CHECKED:	PEI-GTC
DATE:	03/16/2020

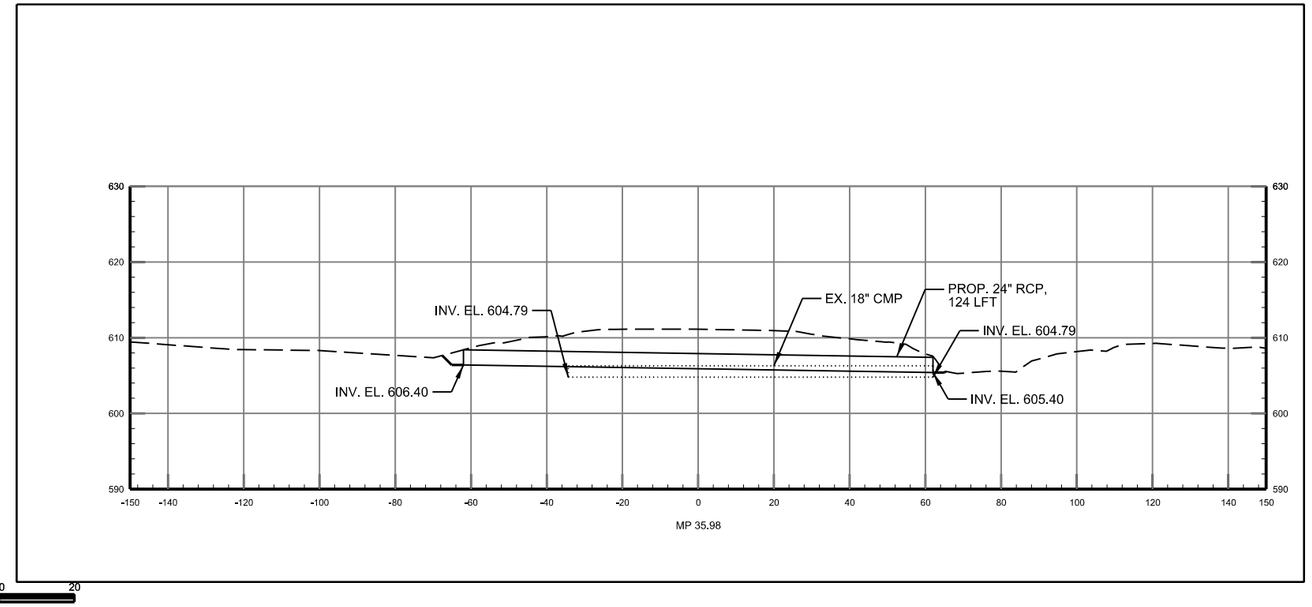
NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK-NWI

PLAN AND PROFILE
STA 1894+00 TO 1908+00
MP 35.8 TO 36.1

FILENAME DT_DWG_RPP-001
SCALE AS NOTED
SHEET OF

PLOT DATE: 6/22/2020 10:52:00 AM kkoehneke





LEGEND

- EXISTING TRACK TO REMAIN
- 5+00 PROPOSED TRACK
- ENVIRONMENTAL SURVEY LIMIT
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- NPS PROPERTY
- PROPOSED TEMPORARY IMPACT AREA
- PROPOSED CONSTRUCTION EASEMENT
- ACCESS ROAD/TURNOUT PAD
- HIGH QUALITY WETLAND
- NON HIGH QUALITY WETLAND/UNDETERMINED
- STREAM OR DITCH
- RIP RAP

HORIZONTAL SCALE 20 10 0 20 40

VERTICAL SCALE 10 5 0 10 20

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING CUL-600 OF CUL-614

AECOM
303 E. Wacker Drive, Suite 1400
Chicago, IL 60601
TEL: (312) 373-7700
www.aecom.com

PATRICK ENGINEERING

ISSUE	DATE	DESCRIPTION
0	03/17/2020	60% DESIGN

NICTD
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

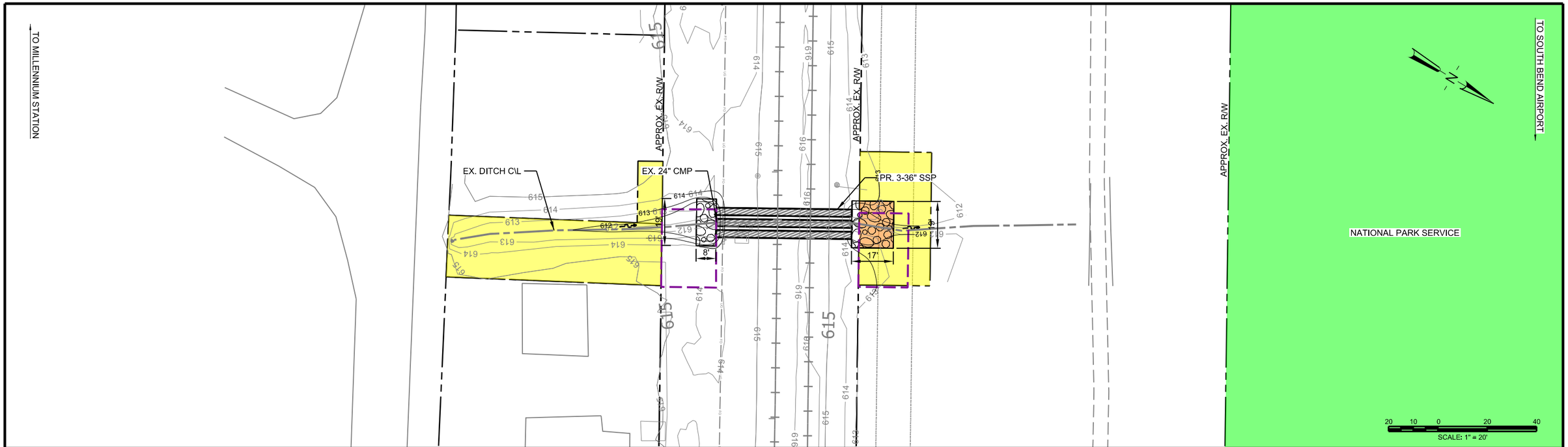
DESIGNED:	PEI-SA
DRAWN:	PEI-PK
CHECKED:	PEI-JIF
DATE:	3/16/2020

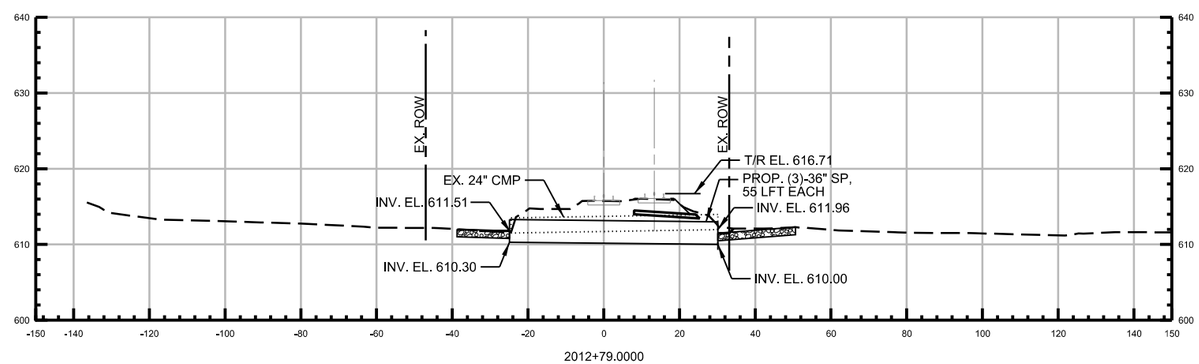
NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK NWI

NICTD MP 35.98 PROPOSED CULVERT REPLACEMENT

FILENAME	DT_DWG_CUL-600.dgn	SHEET
SCALE	AS NOTED	OF

PLOT DATE: 3/16/2020 12:07:20 PM jfeinstein





LEGEND

- EXISTING TRACK TO REMAIN
- 5+00 PROPOSED TRACK
- ENVIRONMENTAL SURVEY LIMIT
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- NPS PROPERTY
- PROPOSED TEMPORARY IMPACT AREA
- PROPOSED CONSTRUCTION EASEMENT
- ACCESS ROAD/TURNOUT PAD
- HIGH QUALITY WETLAND
- NON HIGH QUALITY WETLAND/UNDETERMINED
- STREAM OR DITCH
- RIP RAP

HORIZONTAL SCALE 20 10 0 20 40

VERTICAL SCALE 10 5 0 10 20

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING CUL-601 OF CUL-614

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ISSUE	DATE	DESCRIPTION
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NICTD
NORTHERN INDIANA COMMUTER TRANSPORTATION DISTRICT
33 East Highway 12
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DOUBLE TRACK N·W·I
Connectivity for Accelerated Growth
MICHIGAN CITY TO GARY, INDIANA

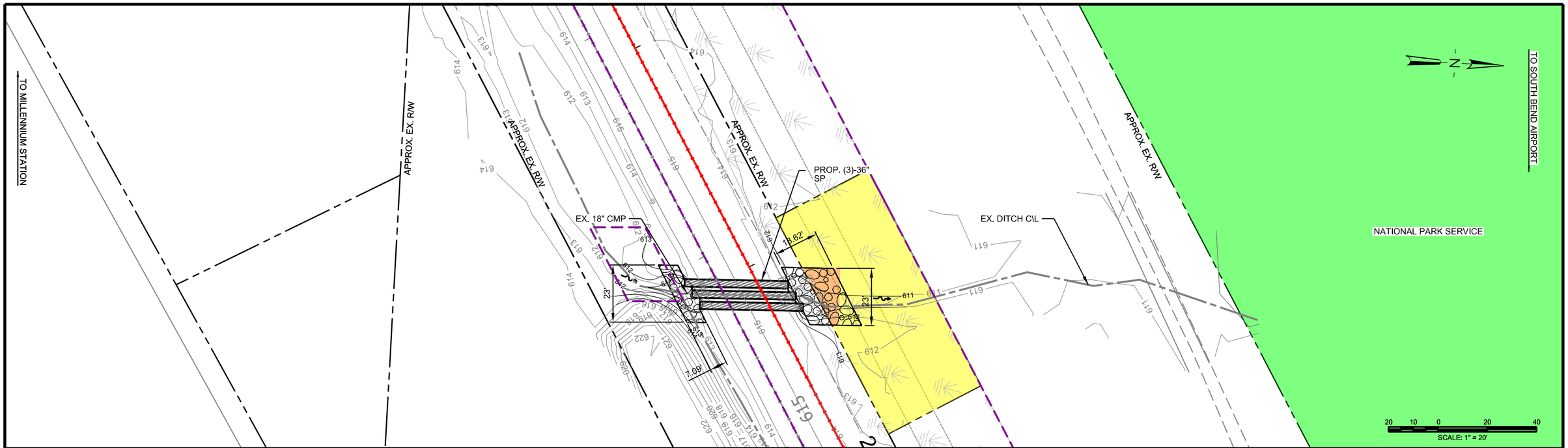
DESIGNED:	PEI-SA
DRAWN:	PEI-PK
CHECKED:	PEI-JIF
DATE:	3/16/2020

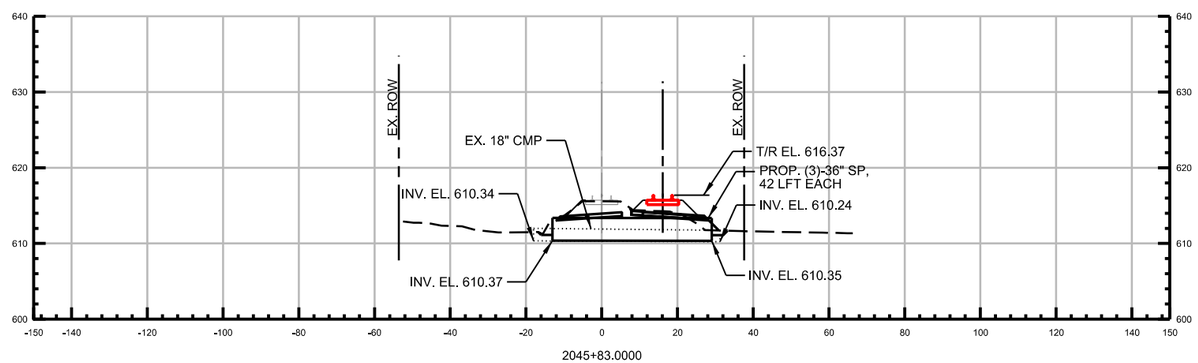
NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK NWI

NICTD MP 38.20 PROPOSED CULVERT REPLACEMENT

FILENAME	DT_DWG_CUL-601.dgn	SHEET
SCALE	AS NOTED	OF

PLOT DATE: 3/16/2020 12:07:55 PM jfeinstein





LEGEND

- EXISTING TRACK TO REMAIN
- 5+00 PROPOSED TRACK
- ENVIRONMENTAL SURVEY LIMIT
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- NPS PROPERTY
- PROPOSED TEMPORARY IMPACT AREA
- PROPOSED CONSTRUCTION EASEMENT
- ACCESS ROAD/TURNOUT PAD
- HIGH QUALITY WETLAND
- NON HIGH QUALITY WETLAND/UNDETERMINED
- STREAM OR DITCH
- RIP RAP

HORIZONTAL SCALE: 20 10 0 20 40

VERTICAL SCALE: 10 5 0 10 20

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING CUL-602 OF CUL-614

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ISSUE	DATE	DESCRIPTION
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NICTD
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

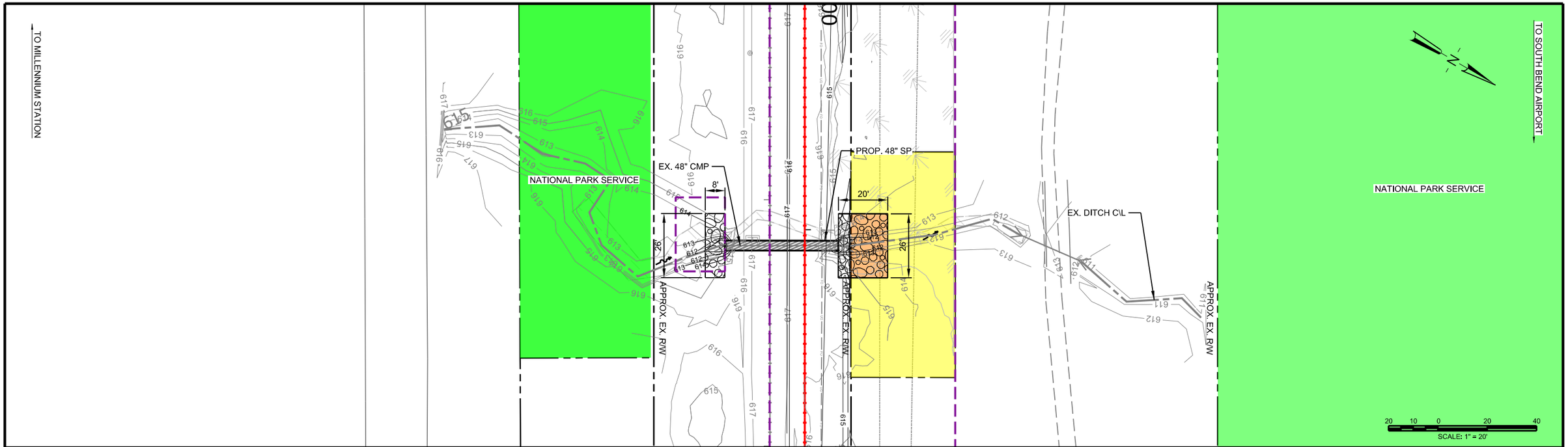
DESIGNED:	PEI-SA
DRAWN:	PEI-PK
CHECKED:	PEI-JIF
DATE:	3/16/2020

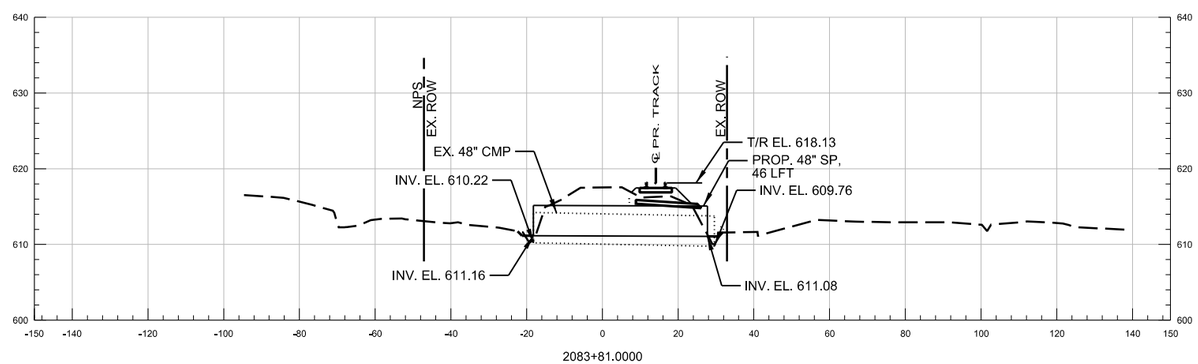
NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK NWI

NICTD MP 38.57 PROPOSED CULVERT REPLACEMENT

FILENAME	DT_DWG_CUL-602.dgn	SHEET
SCALE	AS NOTED	OF

PLOT DATE: 3/16/2020 12:08:32 PM jfeinstein





LEGEND

- EXISTING TRACK TO REMAIN
- 5+00 PROPOSED TRACK
- ENVIRONMENTAL SURVEY LIMIT
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- NPS PROPERTY
- PROPOSED TEMPORARY IMPACT AREA
- PROPOSED CONSTRUCTION EASEMENT
- ACCESS ROAD/TURNOUT PAD
- HIGH QUALITY WETLAND
- NON HIGH QUALITY WETLAND/UNDETERMINED
- STREAM OR DITCH
- RIP RAP

20 10 0 20 40 HORIZONTAL SCALE

10 5 0 10 20 VERTICAL SCALE

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING CUL-603 OF CUL-614

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33 East Highway 12
Chesterton, Indiana 46304

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

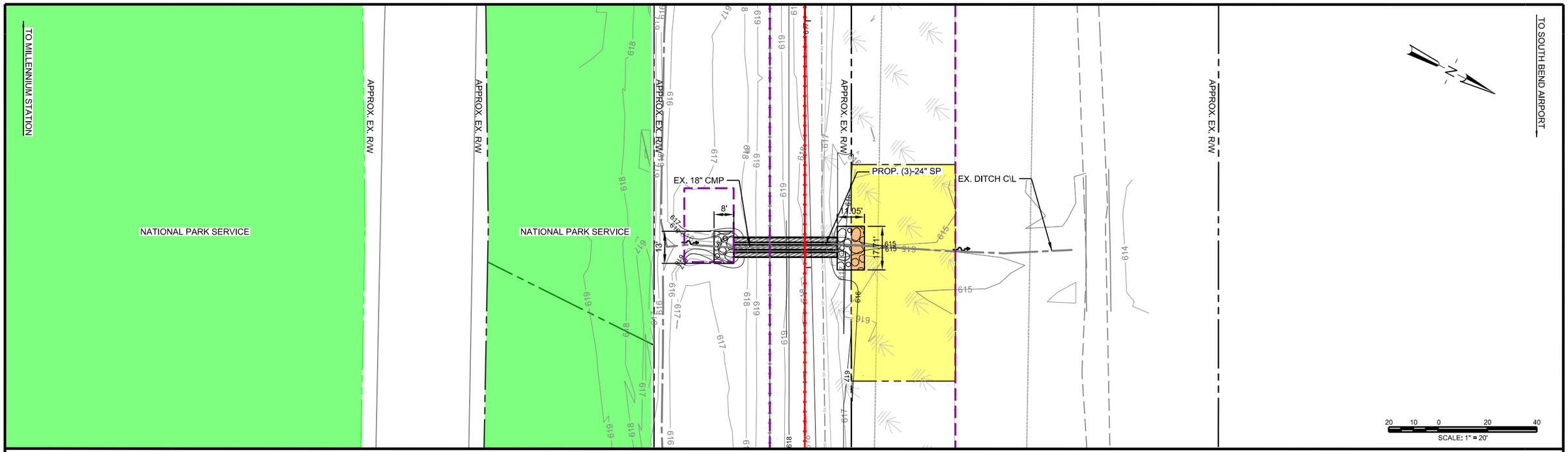
DESIGNED:	PEI-SA
DRAWN:	PEI-PK
CHECKED:	PEI-JIF
DATE:	3/16/2020

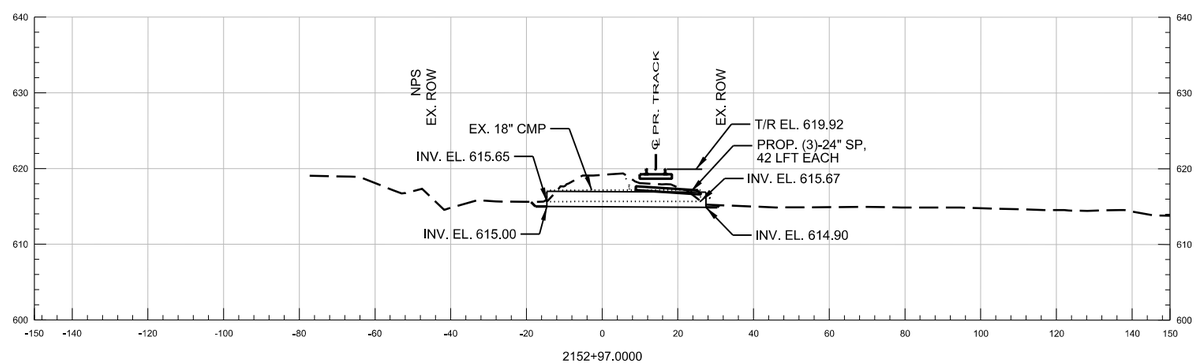
NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK NWI

NICTD MP 39.48 PROPOSED CULVERT REPLACEMENT

FILENAME	DT_DWG_CUL-603.dgn	SHEET
SCALE	AS NOTED	OF

PLOT DATE: 3/16/2020 12:09:06 PM jfeinstein





LEGEND

- EXISTING TRACK TO REMAIN
- 5+00 PROPOSED TRACK
- ENVIRONMENTAL SURVEY LIMIT
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- NPS PROPERTY
- PROPOSED TEMPORARY IMPACT AREA
- PROPOSED CONSTRUCTION EASEMENT
- ACCESS ROAD/TURNOUT PAD
- HIGH QUALITY WETLAND
- NON HIGH QUALITY WETLAND/UNDETERMINED
- STREAM OR DITCH
- RIP RAP

HORIZONTAL SCALE 20 10 0 20 40

VERTICAL SCALE 10 5 0 10 20

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING CUL-604 OF CUL-614

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

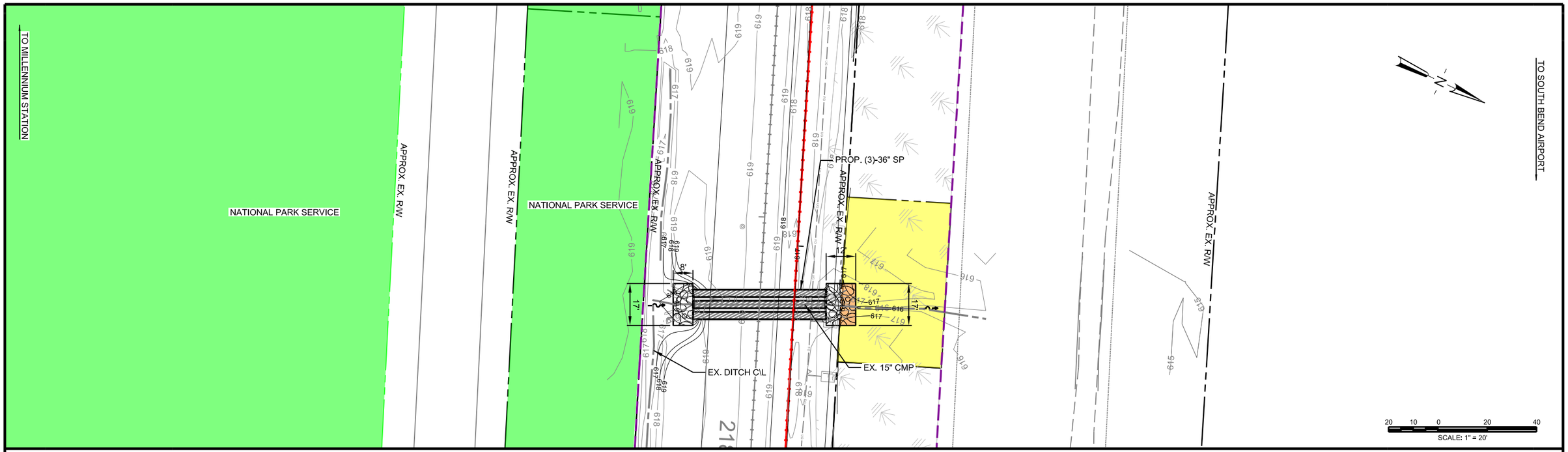
DESIGNED:	PEI-SA
DRAWN:	PEI-PK
CHECKED:	PEI-JIF
DATE:	3/16/2020

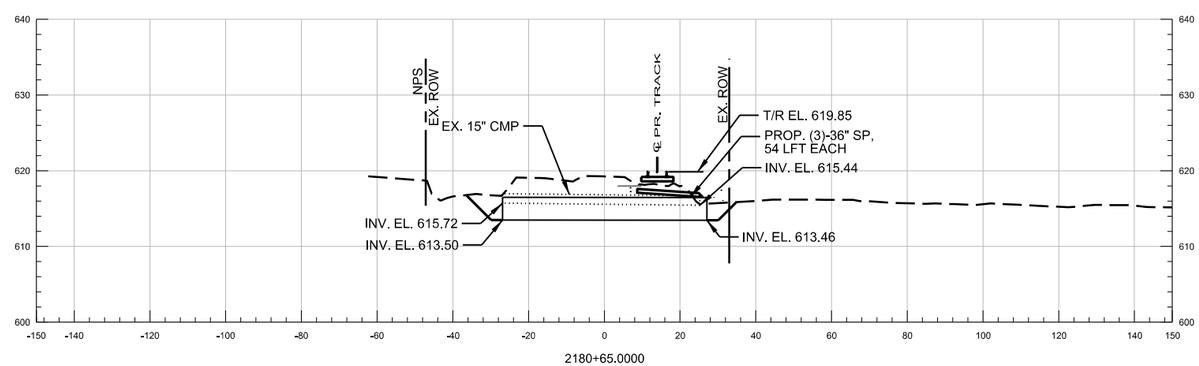
NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK NWI

NICTD MP 40.80
PROPOSED CULVERT REPLACEMENT

FILENAME	DT_DWG_CUL-604.dgn	SHEET
SCALE	AS NOTED	OF

PLOT DATE: 3/16/2020 12:09:36 PM jfeinstein





LEGEND

- EXISTING TRACK TO REMAIN
- 5+00 PROPOSED TRACK
- ENVIRONMENTAL SURVEY LIMIT
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- NPS PROPERTY
- PROPOSED TEMPORARY IMPACT AREA
- PROPOSED CONSTRUCTION EASEMENT
- ACCESS ROAD/TURNOUT PAD
- HIGH QUALITY WETLAND
- NON HIGH QUALITY WETLAND/UNDETERMINED
- STREAM OR DITCH
- RIP RAP

20 10 0 20 40
HORIZONTAL SCALE

10 5 0 10 20
VERTICAL SCALE

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING CUL-605 OF CUL-614

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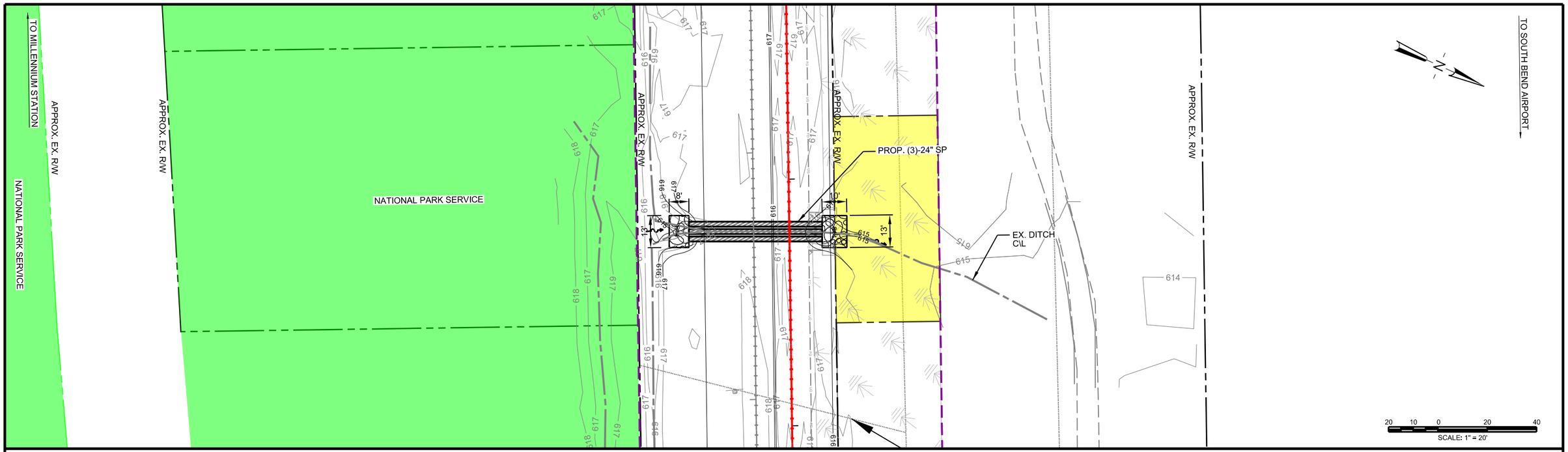
DOUBLE TRACK N·W·I
Connectivity for Accelerated Growth
MICHIGAN CITY TO GARY, INDIANA

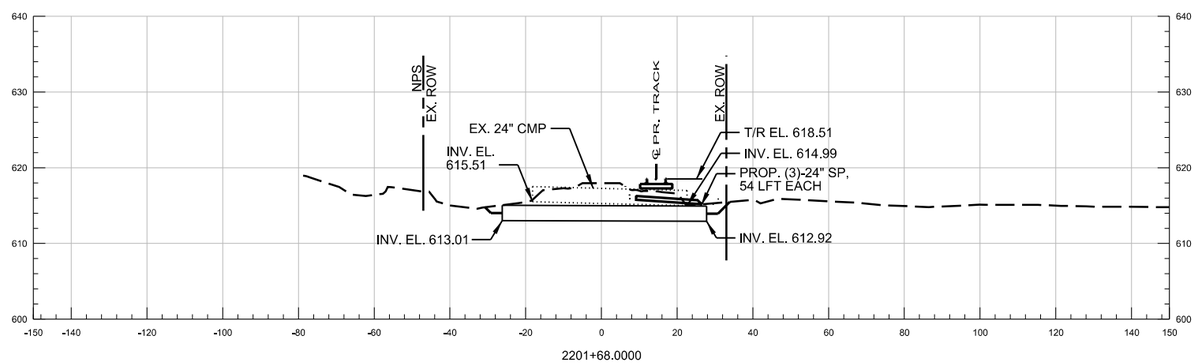
DESIGNED:	PEI-SA
DRAWN:	PEI-PK
CHECKED:	PEI-JIF
DATE:	3/16/2020

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

NICTD MP 41.40
PROPOSED CULVERT REPLACEMENT

FILENAME	DT_DWG_CUL-605.dgn	SHEET
SCALE	AS NOTED	OF





LEGEND

- EXISTING TRACK TO REMAIN
- 5+00 PROPOSED TRACK
- ENVIRONMENTAL SURVEY LIMIT
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- NPS PROPERTY
- PROPOSED TEMPORARY IMPACT AREA
- PROPOSED CONSTRUCTION EASEMENT
- ACCESS ROAD/TURNOUT PAD
- HIGH QUALITY WETLAND
- NON HIGH QUALITY WETLAND/UNDETERMINED
- STREAM OR DITCH
- RIP RAP

HORIZONTAL SCALE 20 10 0 20 40

VERTICAL SCALE 10 5 0 10 20

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING CUL-606 OF CUL-614

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

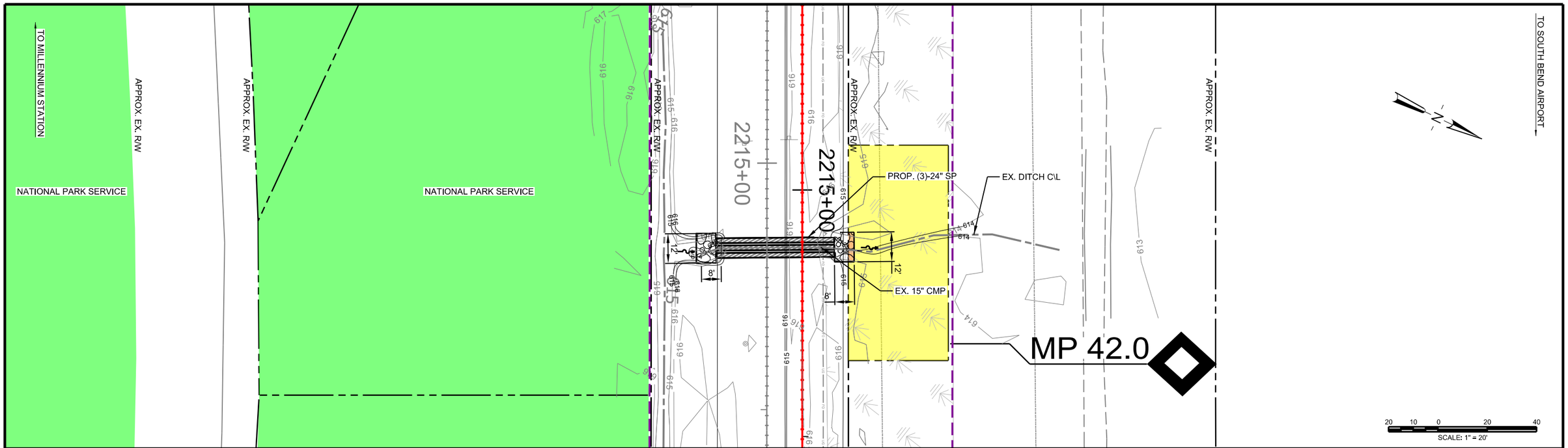
DESIGNED:	PEI-SA
DRAWN:	PEI-PK
CHECKED:	PEI-JIF
DATE:	3/16/2020

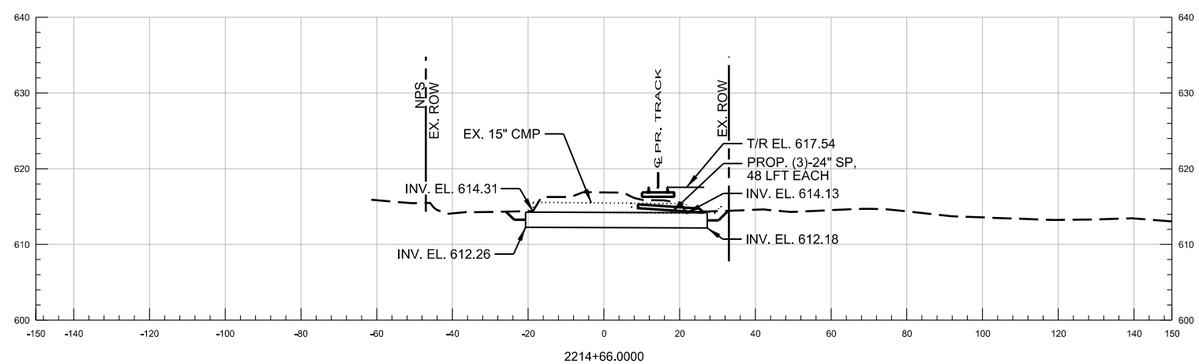
NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK NWI

NICTD MP 41.74 PROPOSED CULVERT REPLACEMENT

FILENAME	DT_DWG_CUL-606.dgn	SHEET
SCALE	AS NOTED	OF

PLOT DATE: 3/16/2020 12:10:38 PM jfeinstein





LEGEND

- EXISTING TRACK TO REMAIN
- 5+00 PROPOSED TRACK
- ENVIRONMENTAL SURVEY LIMIT
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- NPS PROPERTY
- PROPOSED TEMPORARY IMPACT AREA
- PROPOSED CONSTRUCTION EASEMENT
- ACCESS ROAD/TURNOUT PAD
- HIGH QUALITY WETLAND
- NON HIGH QUALITY WETLAND/UNDETERMINED
- STREAM OR DITCH
- RIP RAP

HORIZONTAL SCALE 20 10 0 20 40

VERTICAL SCALE 10 5 0 10 20

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING CUL-607 OF CUL-614

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ISSUE	DATE	DESCRIPTION
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NICTD
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33 East Highway 12
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DOUBLE TRACK N·W·I
Connectivity for Accelerated Growth
MICHIGAN CITY TO GARY, INDIANA

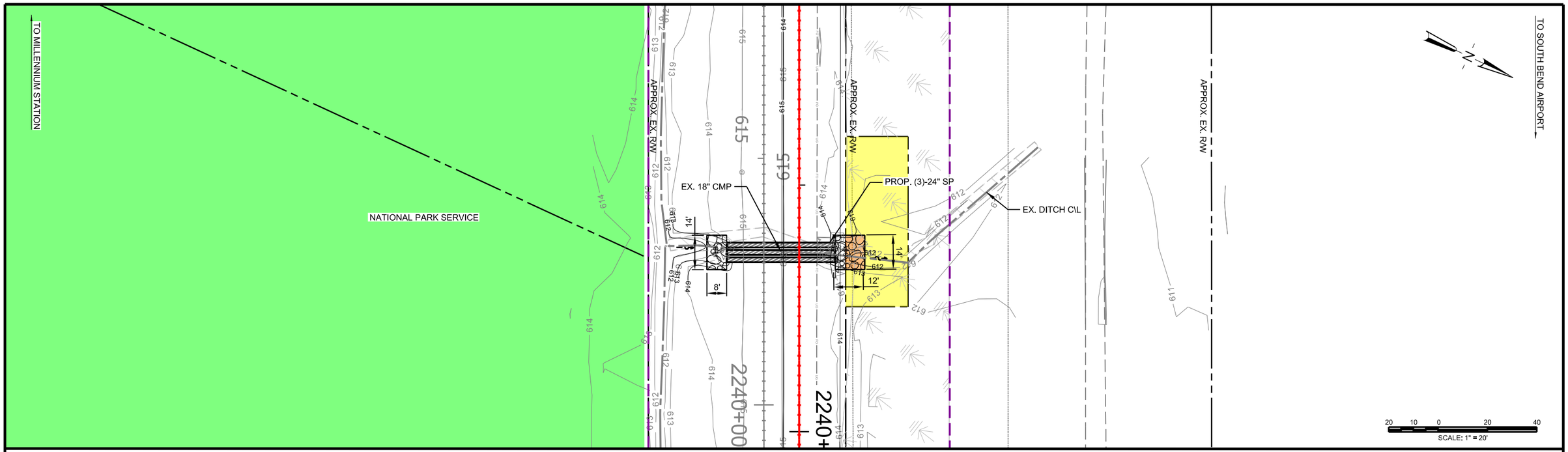
DESIGNED:	PEI-SA
DRAWN:	PEI-PK
CHECKED:	PEI-JIF
DATE:	3/16/2020

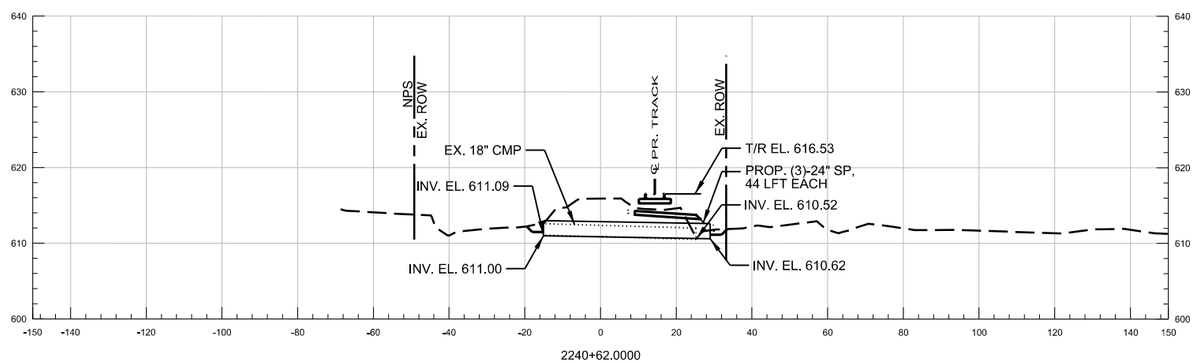
NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK NWI

NICTD MP 42.00 PROPOSED CULVERT REPLACEMENT

FILENAME	DT_DWG_CUL-607.dgn	SHEET
SCALE	AS NOTED	OF

PLOT DATE: 3/16/2020 12:11:11 PM jfeinstein





LEGEND

- EXISTING TRACK TO REMAIN
- 5+00 PROPOSED TRACK
- ENVIRONMENTAL SURVEY LIMIT
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- NPS PROPERTY
- PROPOSED TEMPORARY IMPACT AREA
- PROPOSED CONSTRUCTION EASEMENT
- ACCESS ROAD/TURNOUT PAD
- HIGH QUALITY WETLAND
- NON HIGH QUALITY WETLAND/UNDETERMINED
- STREAM OR DITCH
- RIP RAP

HORIZONTAL SCALE (20 10 0 20 40) VERTICAL SCALE (10 5 0 10 20)

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING CUL-608 OF CUL-614

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PATRICK ENGINEERING

ISSUE	DATE	DESCRIPTION
0	03/17/2020	60% DESIGN

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33 East Highway 12
Chesterton, Indiana 46304

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

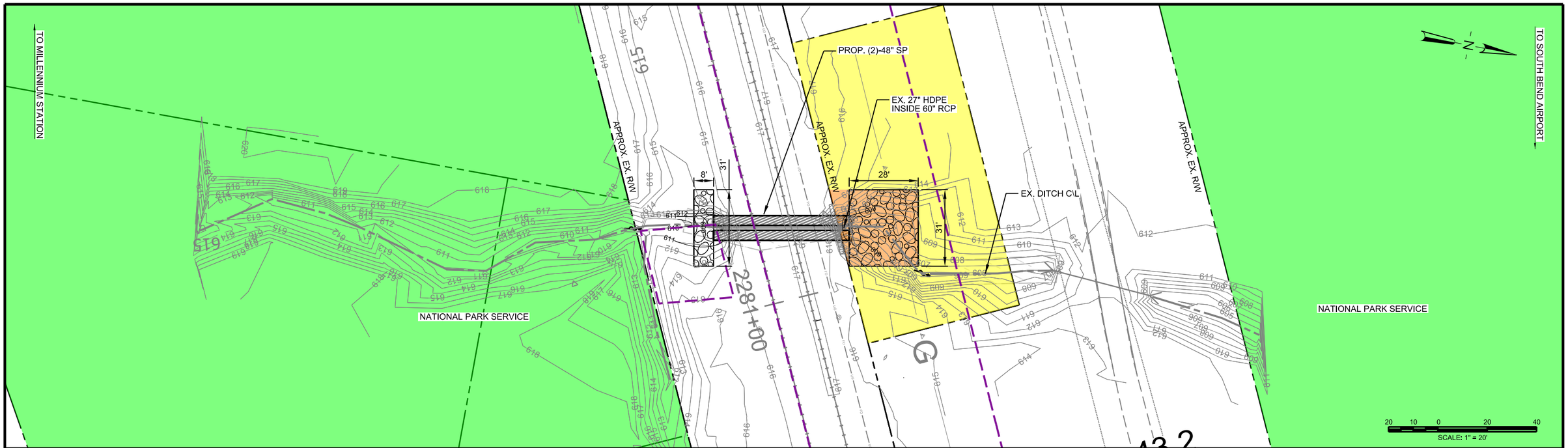
DESIGNED:	PEI-SA
DRAWN:	PEI-PK
CHECKED:	PEI-JIF
DATE:	3/16/2020

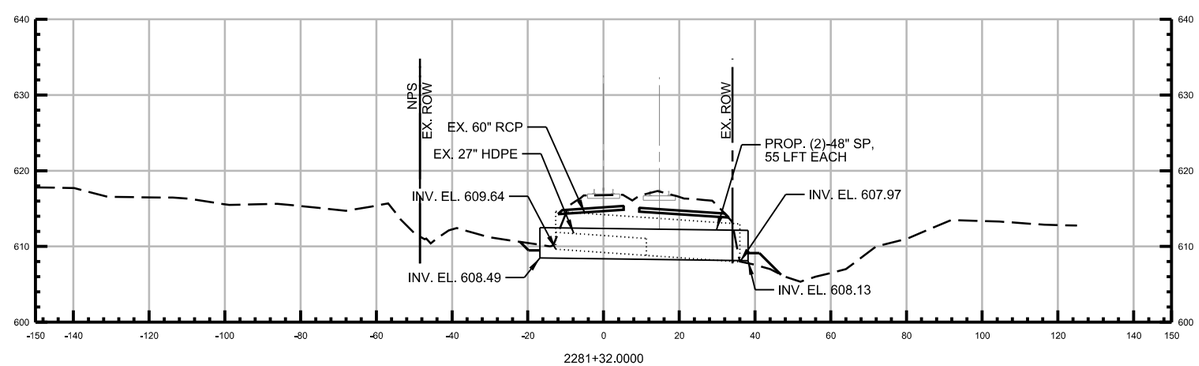
NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK NWI

NICTD MP 42.39 PROPOSED CULVERT REPLACEMENT

FILENAME	DT_DWG_CUL-608.dgn	SHEET
SCALE	AS NOTED	OF

PLOT DATE: 3/16/2020 12:11:44 PM jfeinstein





LEGEND

- EXISTING TRACK TO REMAIN
- 5+00 PROPOSED TRACK
- ENVIRONMENTAL SURVEY LIMIT
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- NPS PROPERTY
- PROPOSED TEMPORARY IMPACT AREA
- PROPOSED CONSTRUCTION EASEMENT
- ACCESS ROAD/TURNOUT PAD
- HIGH QUALITY WETLAND
- NON HIGH QUALITY WETLAND/UNDETERMINED
- STREAM OR DITCH
- RIP RAP

HORIZONTAL SCALE 20 10 0 20 40

VERTICAL SCALE 10 5 0 10 20

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING CUL-609 OF CUL-614

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ISSUE	DATE	DESCRIPTION
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NICTD
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33 East Highway 12
Chesterton, Indiana 46304

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

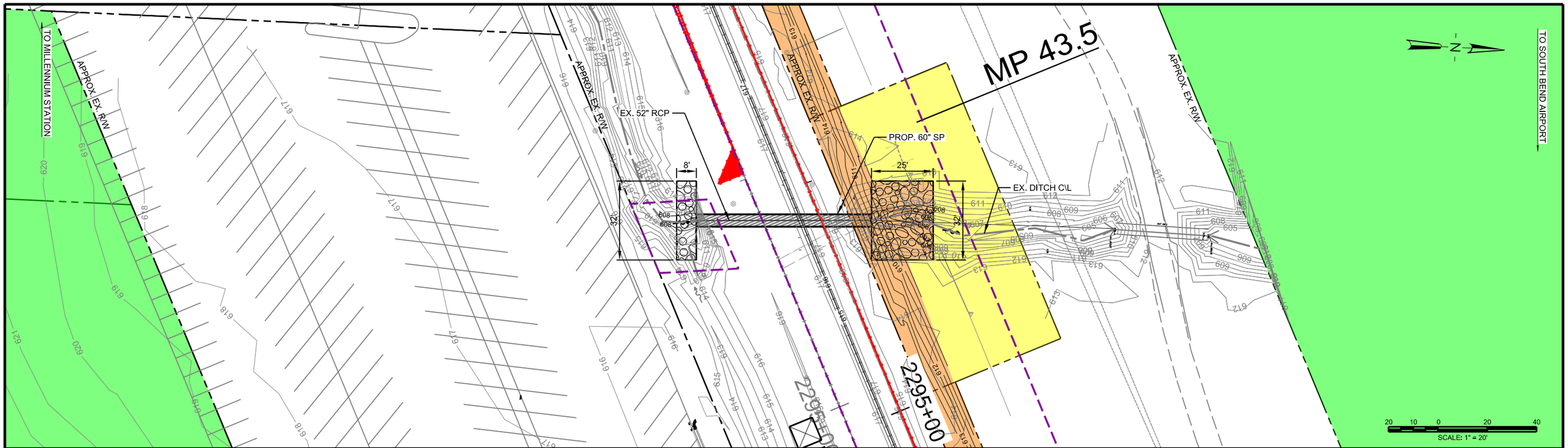
DESIGNED:	PEI-SA
DRAWN:	PEI-PK
CHECKED:	PEI-JIF
DATE:	3/16/2020

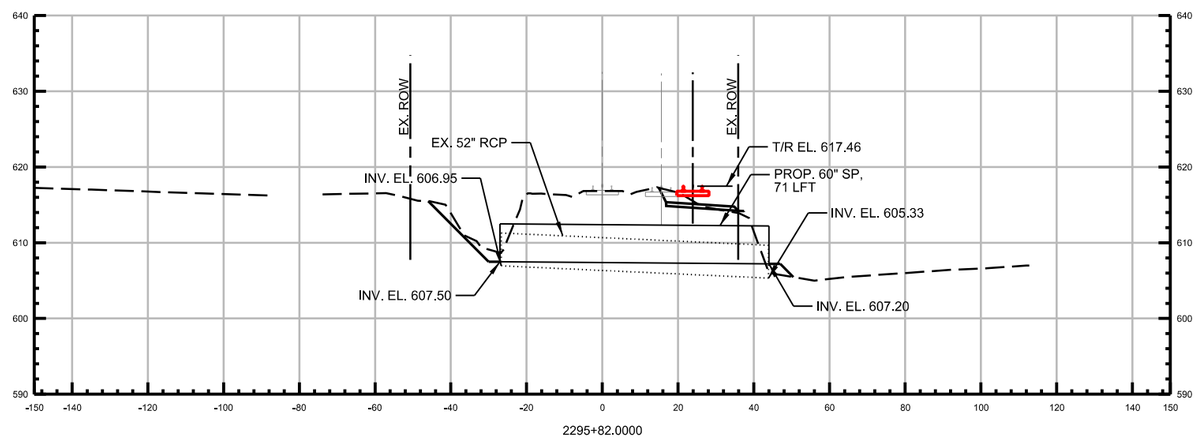
NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK NWI

NICTD MP 43.22
PROPOSED CULVERT REPLACEMENT

FILENAME	DT_DWG_CUL-609.dgn	SHEET
SCALE	AS NOTED	OF

PLOT DATE: 3/16/2020 12:12:19 PM jfeinstein





LEGEND

- EXISTING TRACK TO REMAIN
- 5+00 PROPOSED TRACK
- ENVIRONMENTAL SURVEY LIMIT
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- NPS PROPERTY
- PROPOSED TEMPORARY IMPACT AREA
- PROPOSED CONSTRUCTION EASEMENT
- ACCESS ROAD/TURNOUT PAD
- HIGH QUALITY WETLAND
- NON HIGH QUALITY WETLAND/UNDETERMINED
- STREAM OR DITCH
- RIP RAP

20 10 0 20 40 HORIZONTAL SCALE

10 5 0 10 20 VERTICAL SCALE

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING CUL-610 OF CUL-614

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PATRICK ENGINEERING

ISSUE	DATE	DESCRIPTION
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33 East Highway 12
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DOUBLE TRACK N·W·I
Connectivity for Accelerated Growth
MICHIGAN CITY TO GARY, INDIANA

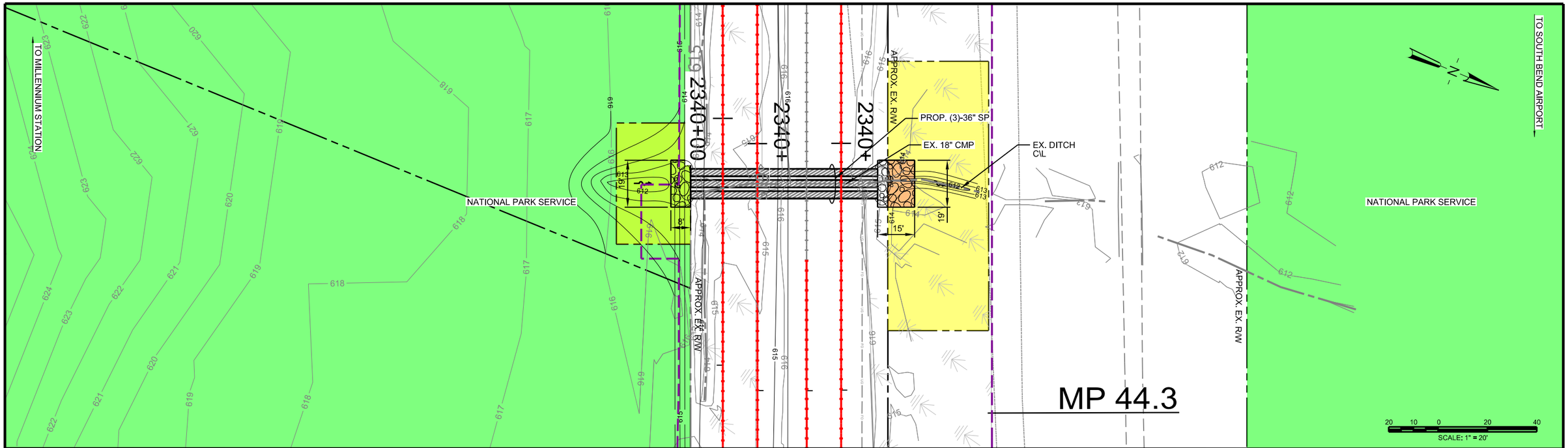
DESIGNED:	PEI-SA
DRAWN:	PEI-PK
CHECKED:	PEI-JIF
DATE:	3/16/2020

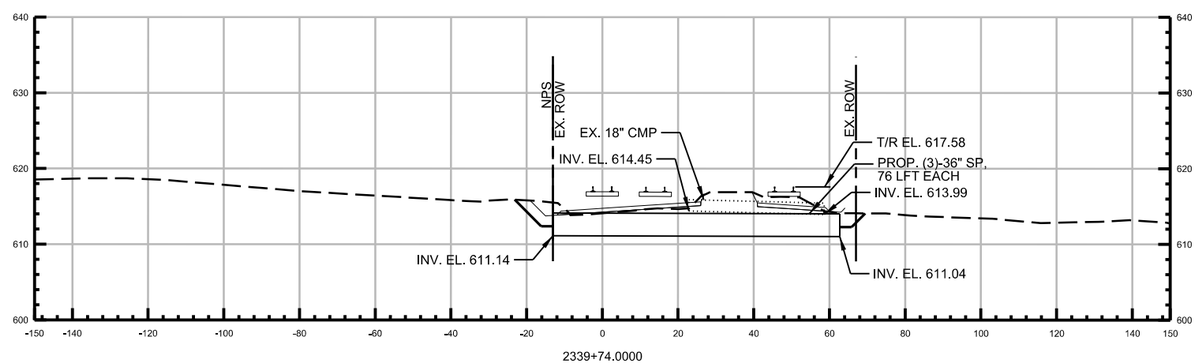
NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
DOUBLE TRACK NWI

NICTD MP 43.50 PROPOSED CULVERT REPLACEMENT

FILENAME	DT_DWG_CUL-610.dgn	SHEET
SCALE	AS NOTED	OF

PLOT DATE: 3/16/2020 12:12:53 PM jfeinstein





LEGEND

- EXISTING TRACK TO REMAIN
- 5+00 PROPOSED TRACK
- ENVIRONMENTAL SURVEY LIMIT
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- NPS PROPERTY
- PROPOSED TEMPORARY IMPACT AREA
- PROPOSED CONSTRUCTION EASEMENT
- ACCESS ROAD/TURNOUT PAD
- HIGH QUALITY WETLAND
- NON HIGH QUALITY WETLAND/UNDETERMINED
- STREAM OR DITCH
- RIP RAP

HORIZONTAL SCALE 20 10 0 20 40

VERTICAL SCALE 10 5 0 10 20

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING CUL-611 OF CUL-614

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AECOM
303 E. Wacker Drive, Suite 1400
Chicago, IL 60601
TEL: (312) 373-7700
www.aecom.com

PATRICK ENGINEERING

ISSUE	DATE	DESCRIPTION
0	03/17/2020	60% DESIGN

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

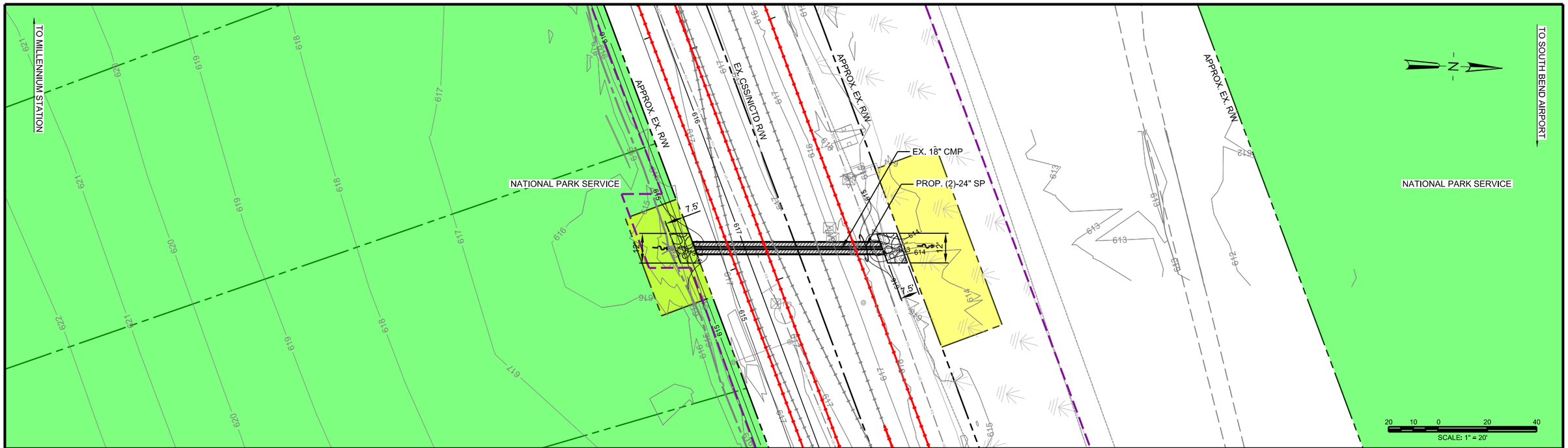
DOUBLE TRACK N·W·I
Connectivity for Accelerated Growth
MICHIGAN CITY TO GARY, INDIANA

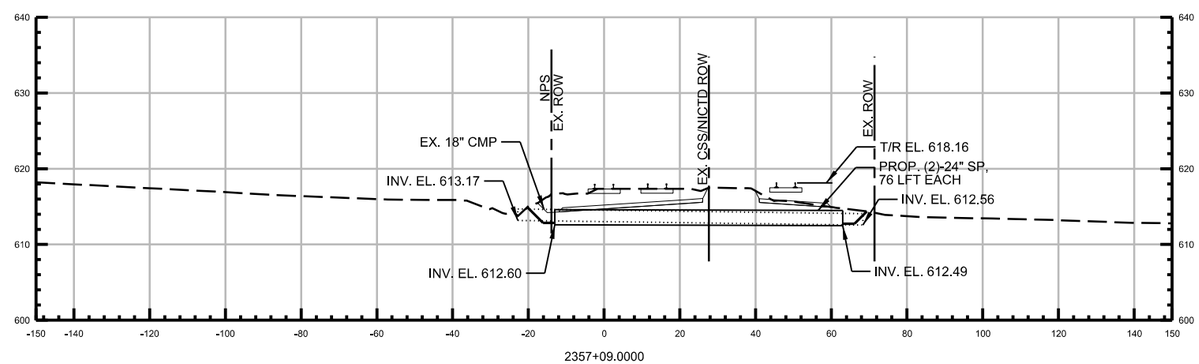
DESIGNED:	PEI-SA
DRAWN:	PEI-PK
CHECKED:	PEI-JIF
DATE:	3/16/2020

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

NICTD MP 44.33 PROPOSED CULVERT REPLACEMENT

FILENAME	DT_DWG_CUL-611.dgn	SHEET
SCALE	AS NOTED	OF





LEGEND

- EXISTING TRACK TO REMAIN
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- PROPOSED RIGHT OF WAY
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- STREAM OR DITCH
- RIP RAP

HORIZONTAL SCALE 20 10 0 20 40

VERTICAL SCALE 10 5 0 10 20

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DRAWING CUL-612 OF CUL-614

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DOUBLE TRACK N·W·I
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MICHIGAN CITY TO GARY, INDIANA

DESIGNED:	PEI-SA
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CHECKED:	PEI-JIF
DATE:	3/16/2020

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

NICTD MP 44.65 PROPOSED CULVERT REPLACEMENT

FILENAME	DT_DWG_CUL-612.dgn	SHEET
SCALE	AS NOTED	OF

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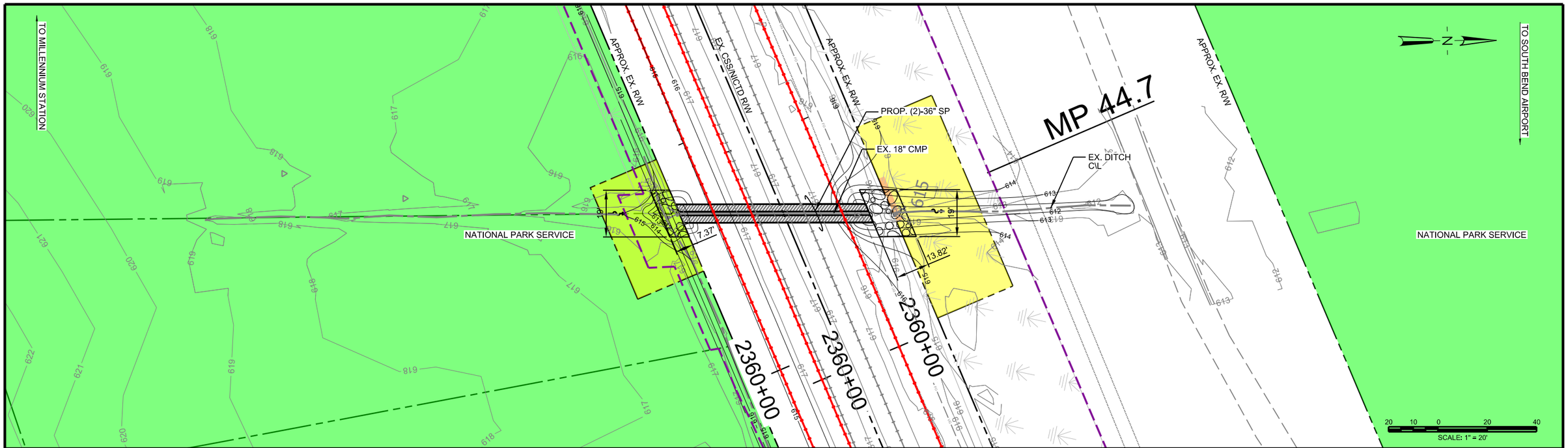

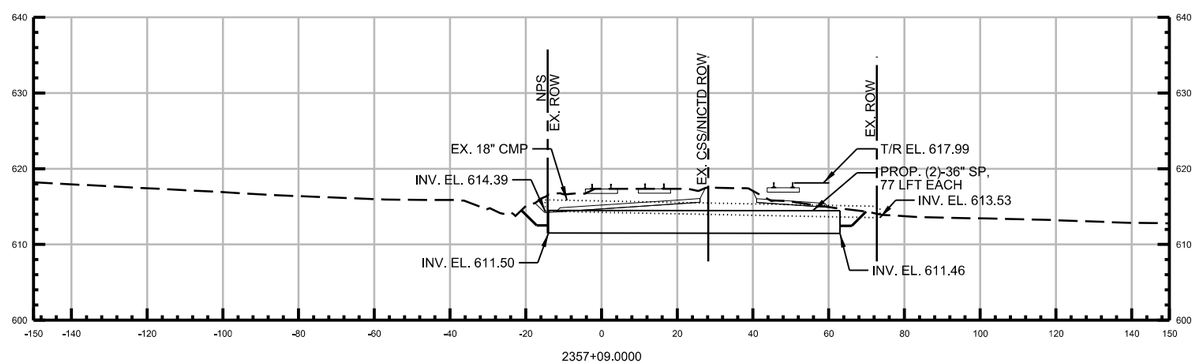

LEGEND

- EXISTING TRACK TO REMAIN
- 5+00 PROPOSED TRACK
- ENVIRONMENTAL SURVEY LIMIT
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- NPS PROPERTY
- PROPOSED TEMPORARY IMPACT AREA
- PROPOSED CONSTRUCTION EASEMENT
- ACCESS ROAD/TURNOUT PAD
- HIGH QUALITY WETLAND
- NON HIGH QUALITY WETLAND/UNDETERMINED
- STREAM OR DITCH
- RIP RAP

HORIZONTAL SCALE (20 10 0 20 40) VERTICAL SCALE (10 5 0 10 20)

60% DESIGN - NOT FOR CONSTRUCTION

DRAWING CUL-613 OF CUL-614

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DOUBLE TRACK N·W·I
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MICHIGAN CITY TO GARY, INDIANA

DESIGNED:	PEI-SA
DRAWN:	PEI-PK
CHECKED:	PEI-JIF
DATE:	3/16/2020

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

NICTD MP 44.72 PROPOSED CULVERT REPLACEMENT

FILENAME	DT_DWG_CUL-613.dgn	SHEET
SCALE	AS NOTED	OF

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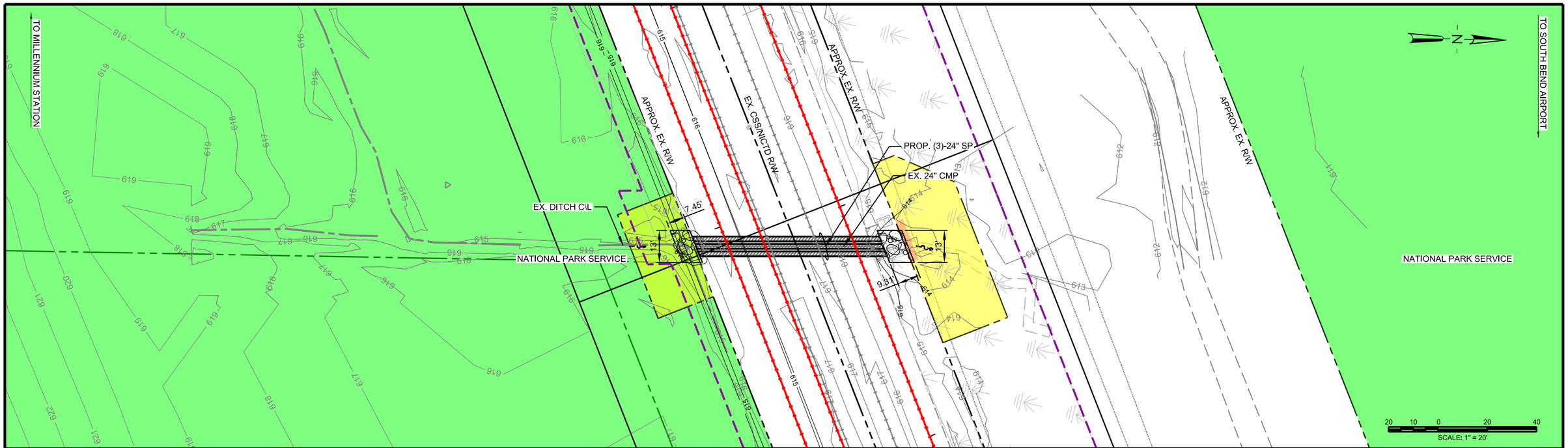

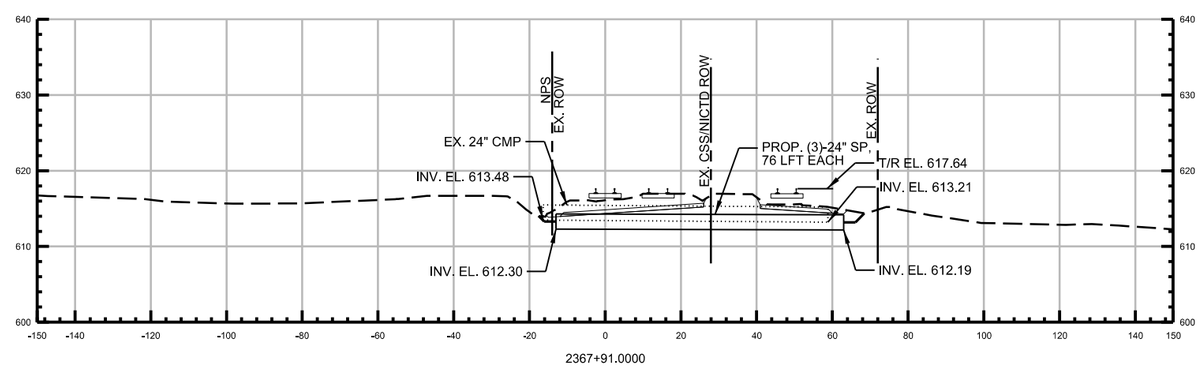

LEGEND

- EXISTING TRACK TO REMAIN
- 5+00 PROPOSED TRACK
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- EXISTING RIGHT OF WAY
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DESIGNED:	PEI-SA
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CHECKED:	PEI-JIF
DATE:	3/16/2020

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

NICTD MP 44.86
PROPOSED CULVERT REPLACEMENT

FILENAME	DT_DWG_CUL-614.dgn	SHEET
SCALE	AS NOTED	OF

PLOT DATE: 3/16/2020 12:14:43 PM jfeinstein