

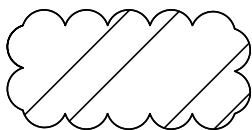
SECTION 3 CONSTRUCTION PLANS

BUILDABLE UNIT NW

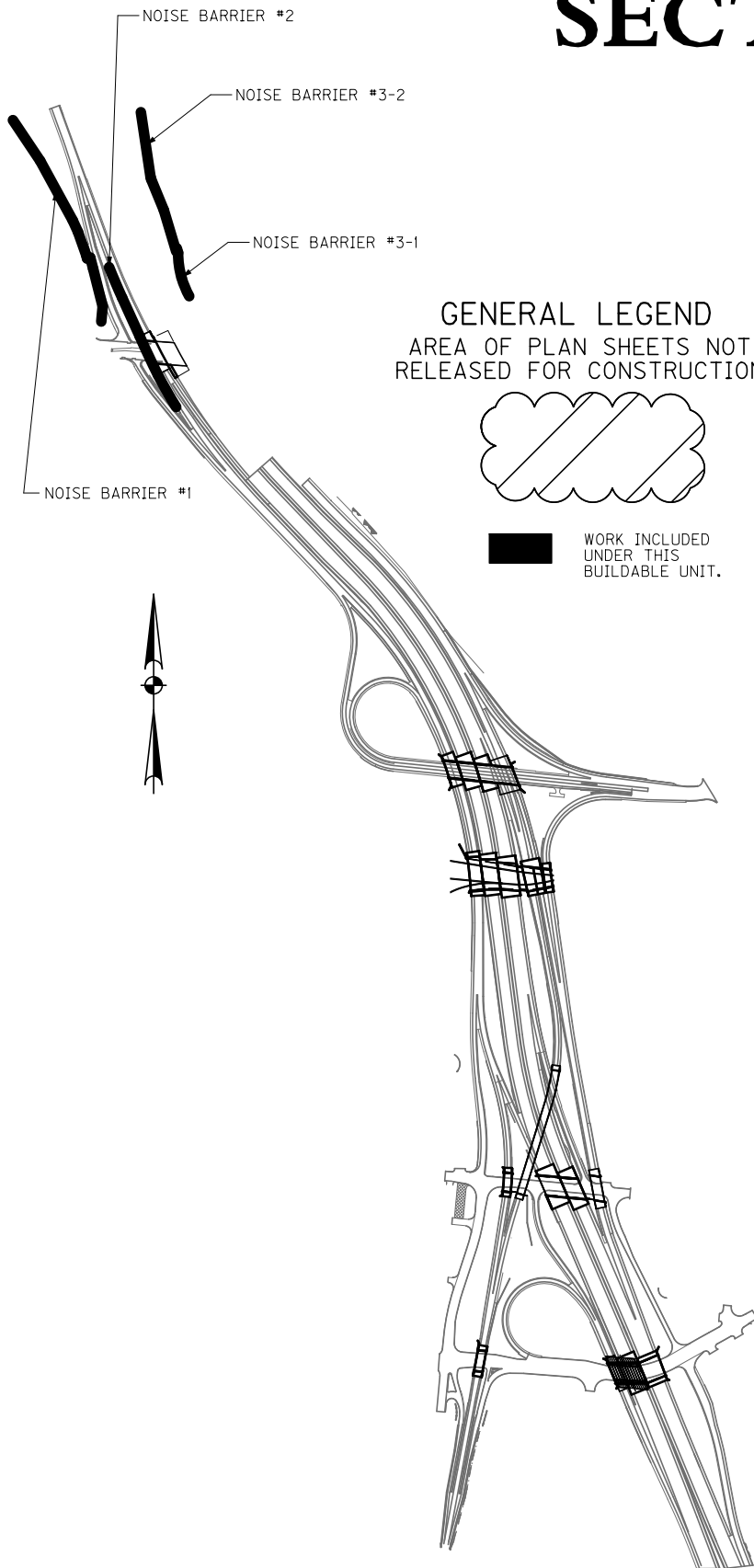
PRE-RFC SUBMITTAL

APRIL 11, 2014

GENERAL LEGEND
AREA OF PLAN SHEETS NOT
RELEASED FOR CONSTRUCTION



WORK INCLUDED
UNDER THIS
BUILDABLE UNIT.



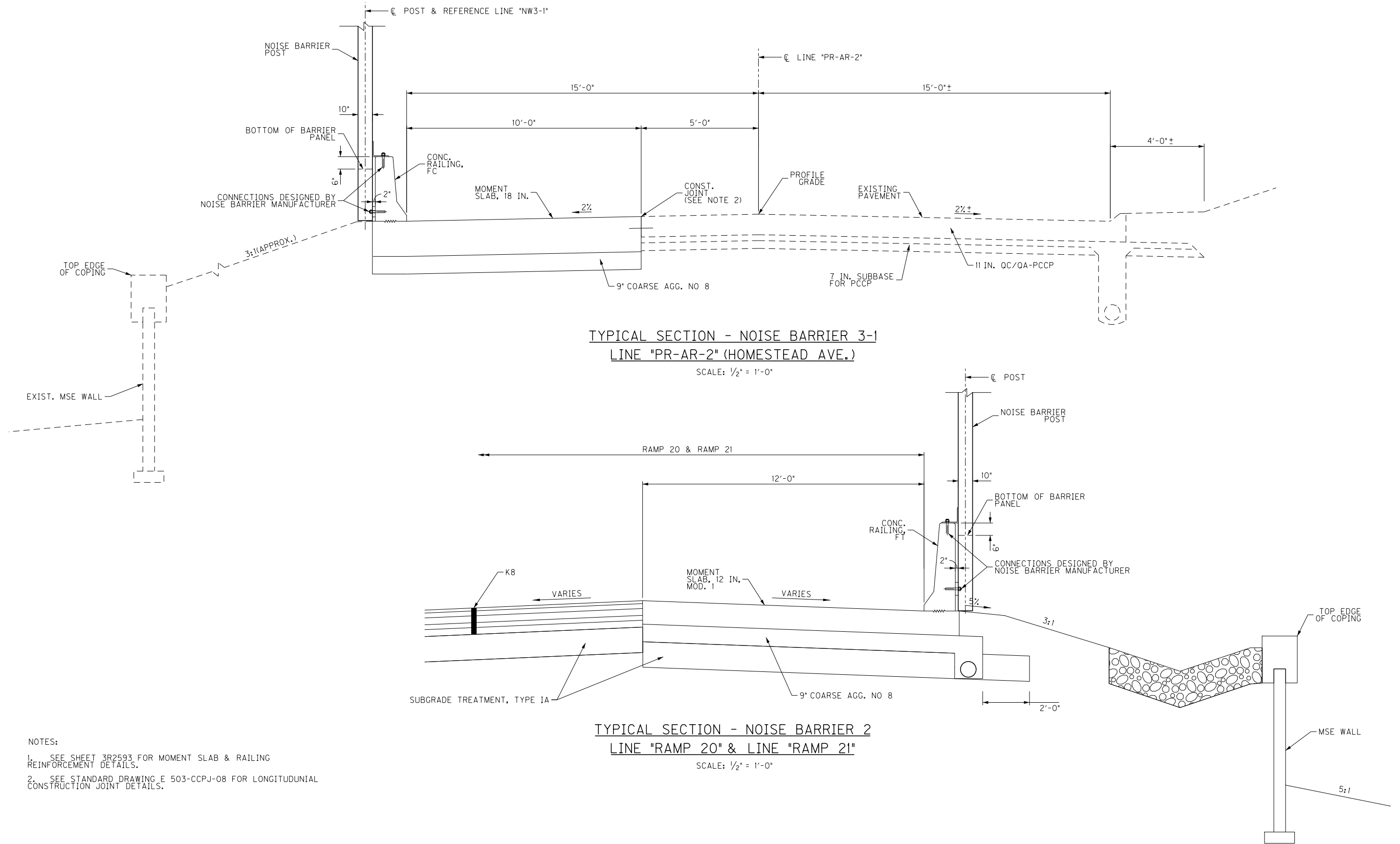
INDEX OF SHEETS

SHEET NUMBER	DESCRIPTION
--------------	-------------

3R3300	GEOMETRIC TIE-IN
3R3305	NOISE BARRIER TYPICAL SECTIONS
3R3307	NOISE BARRIER ELEVATIONS
3R3308	NOISE BARRIER SECTIONS
3R3309	NOISE BARRIER DETAILS
3R3310	NOISE BARRIER DETAILS
3R3315	PLAN AND PROFILE - LINE "NW1"
3R3316	PLAN AND PROFILE - LINE "NW2"
3R3317	PLAN AND PROFILE - LINE "NW3-1" & LINE "NW3-2"
3R1070	MAINTENANCE OF TRAFFIC
3R3087	EROSION CONTROL
3R3088	EROSION CONTROL
3R3089	EROSION CONTROL
3X3300	CROSS SECTION - LINE "NW1"
3X3301	CROSS SECTION - LINE "NW1"
3X3302	CROSS SECTION - LINE "NW1"
3X3303	CROSS SECTION - LINE "NW1"
3X3304	CROSS SECTION - LINE "NW1"
3X3305	CROSS SECTION - LINE "NW1"
3X3306	CROSS SECTION - LINE "NW1"
3X3316	CROSS SECTION - LINE "NW3-1"
3X3317	CROSS SECTION - LINE "NW3-1"
3X3318	CROSS SECTION - LINE "NW3-2"
3X3319	CROSS SECTION - LINE "NW3-2"
3X3320	CROSS SECTION - LINE "NW3-2"
3X3321	CROSS SECTION - LINE "NW3-2"
3X3322	CROSS SECTION - LINE "NW3-2"

SHEET NUMBER	DESCRIPTION
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3T8001	TITLE SHEET (F10)
3T8002	INDEX SHEET (F10)
3T8004	LEGEND SHEET (F10)
3T8074	PROPOSED SIGNING SHEET
3T8075	PROPOSED SIGNING SHEET
3T8142	PANEL/SHEET SIGN LAYOUTS
3T8150	PANEL SIGN SUMMARY
3T8152	SHEET SIGN SUMMARY
3T8153	SHEET SIGN SUMMARY
3T8181	PANEL SIGN CROSS SECTION
3T8184	PANEL SIGN CROSS SECTION
3T8404	PROPOSED LIGHTING SHEET



			PREPARED BY			PRELIMINARY		RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____		INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
			THE OHIO RIVER BRIDGES					NOT FOR CONSTRUCTION				AS NOTED
REV. B	BU-NW PRE-RFC	04/11/2014								DESIGNED: _____ SSL _____		DRAWN: _____ TPH _____
REV. A	BU-NW INTERIM	03/19/2014						CHECKED: _____ ELM _____	CHECKED: _____ SSL _____	CONTRACT	SHEET NO. 3R3305b	
REVISION NO.	SUBMITTAL NAME	DATE										DRAWING NO.

FILE NAME: ... \dms0986\33_RDS_NW-03.dgn

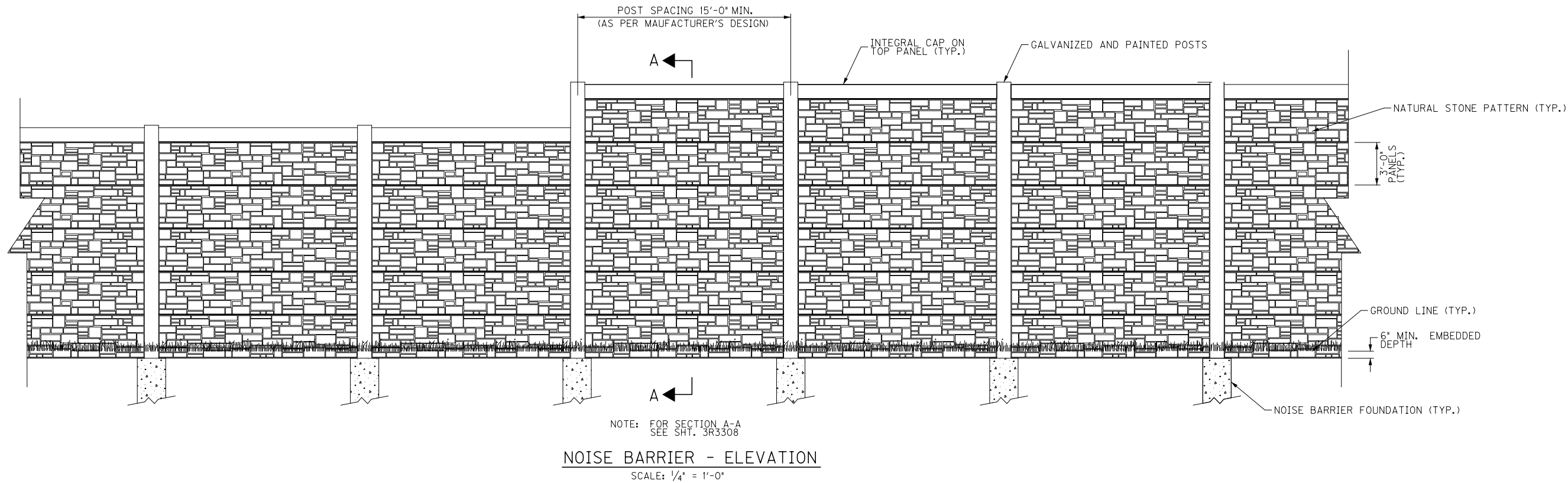
11:02:18 AM

USER: thansen

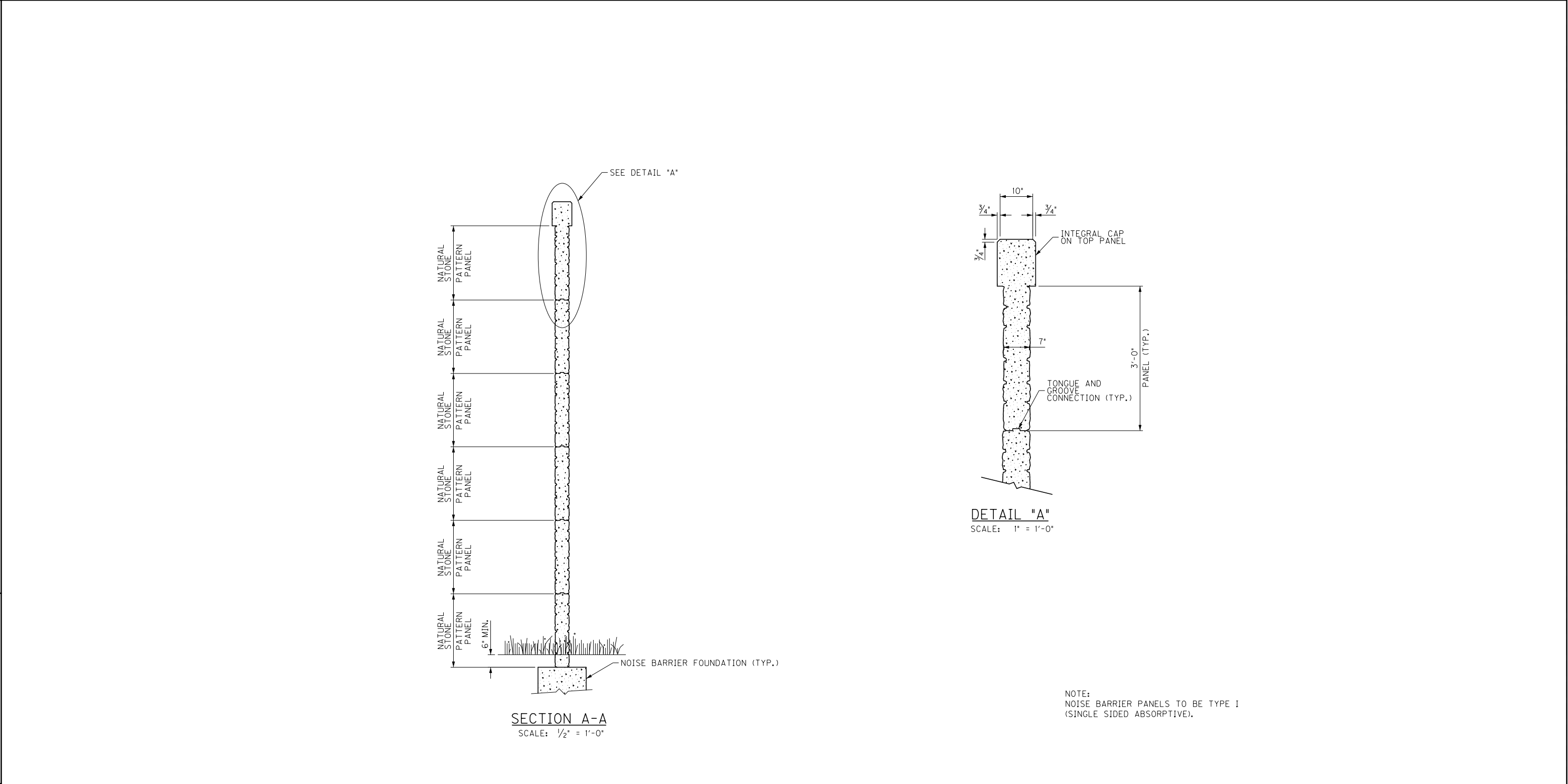
DATE PLOTTED: 4/16/2014

MODEL NAME: DS_NW-03

MicroStation v8.11.9.357

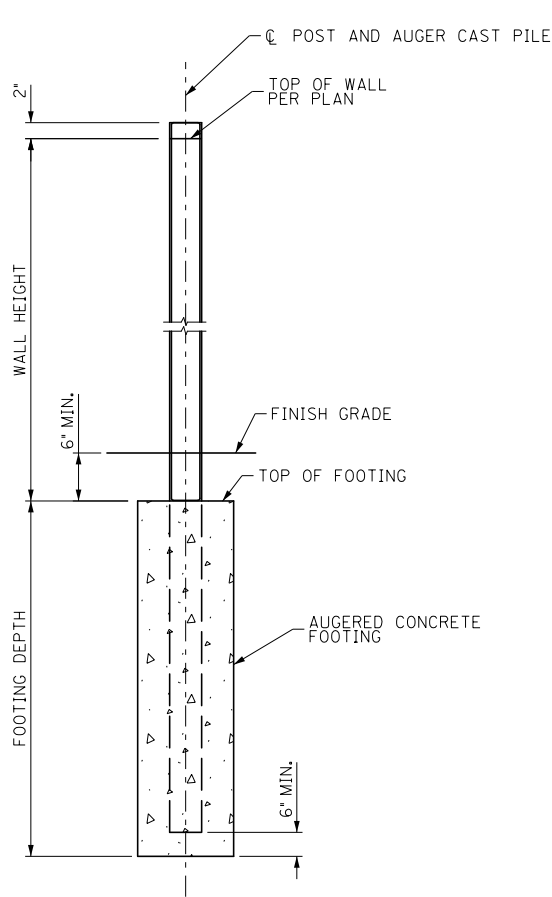


			PREPARED BY				PRELIMINARY			RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____		INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE AS NOTED		BRIDGE FILE		
							NOT FOR CONSTRUCTION					VERTICAL SCALE		DESIGNATION 0300798				
REV. B	BU-NW PRE-RFC	04/11/2014							DESIGNED: _____ SSL		DRAWN: _____ TPH		SECTION 3 - ORB DOWNTOWN NOISE BARRIER ELEVATION DETAILS		SURVEY BOOK		PROJECT 0300798	
REV. A	BU-NW INTERIM	03/19/2014							CHECKED: _____ ELM		CHECKED: _____ SSL				CONTRACT		SHEET NO. 3R3307b of	
REVISION NO.	SUBMITTAL NAME	DATE															DRAWING NO.	

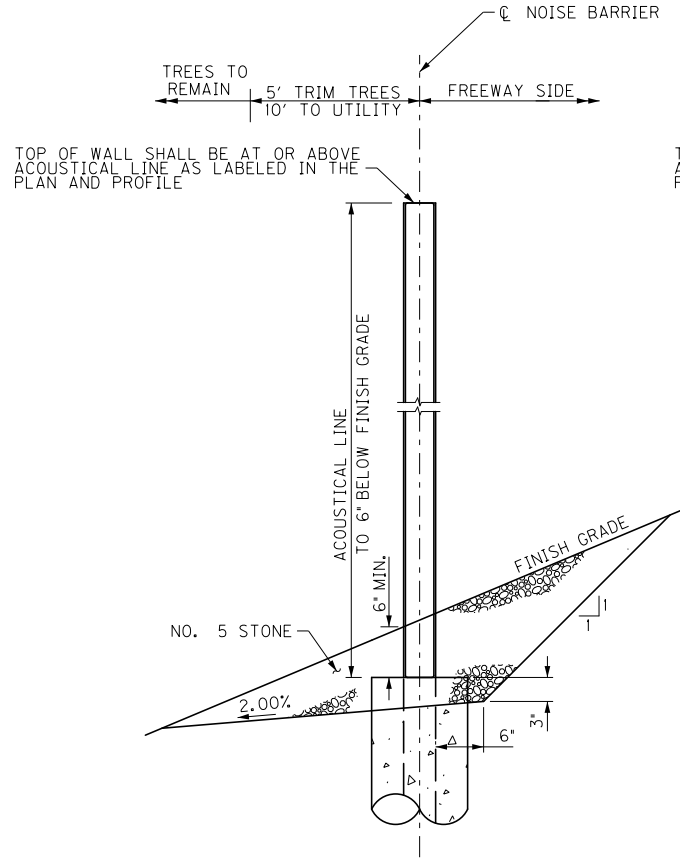


NOTE:
NOISE BARRIER PANELS TO BE TYPE I
(SINGLE SIDED ABSORPTIVE).

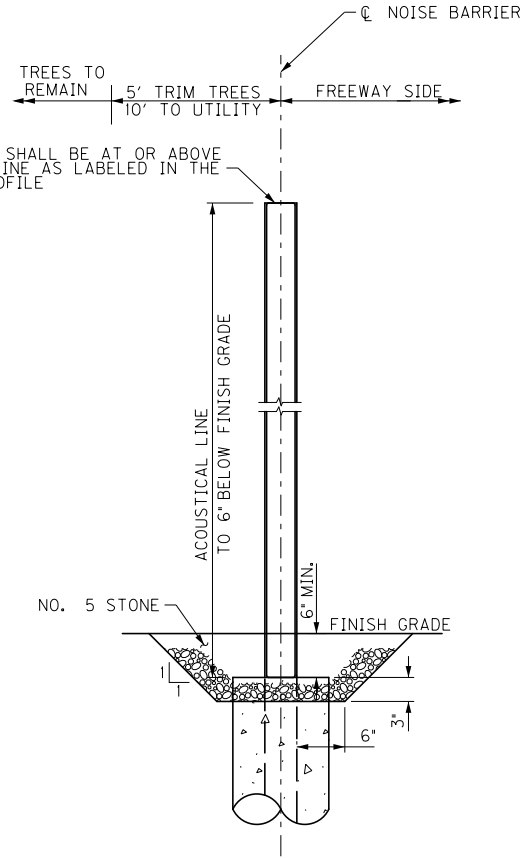
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		DESIGN ENGINEER _____ DATE _____		AS NOTED								
REV. B	BU-NW PRE-RFC	04/11/2014		NOT FOR CONSTRUCTION			DESIGNED: _____	DRAWN: _____	SECTION 3 - ORB DOWNTOWN NOISE BARRIER DETAILS	SURVEY BOOK	PROJECT	
REV. A	BU-NW INTERIM	03/19/2014					CHECKED: _____	_____		CHECKED: _____	_____	CONTRACT
REVISION NO.	SUBMITTAL NAME	DATE								SHEET NO. 3R3308b	DRAWING NO.	



TYPICAL POST SECTION IN AUGERED HOLE
NOT TO SCALE

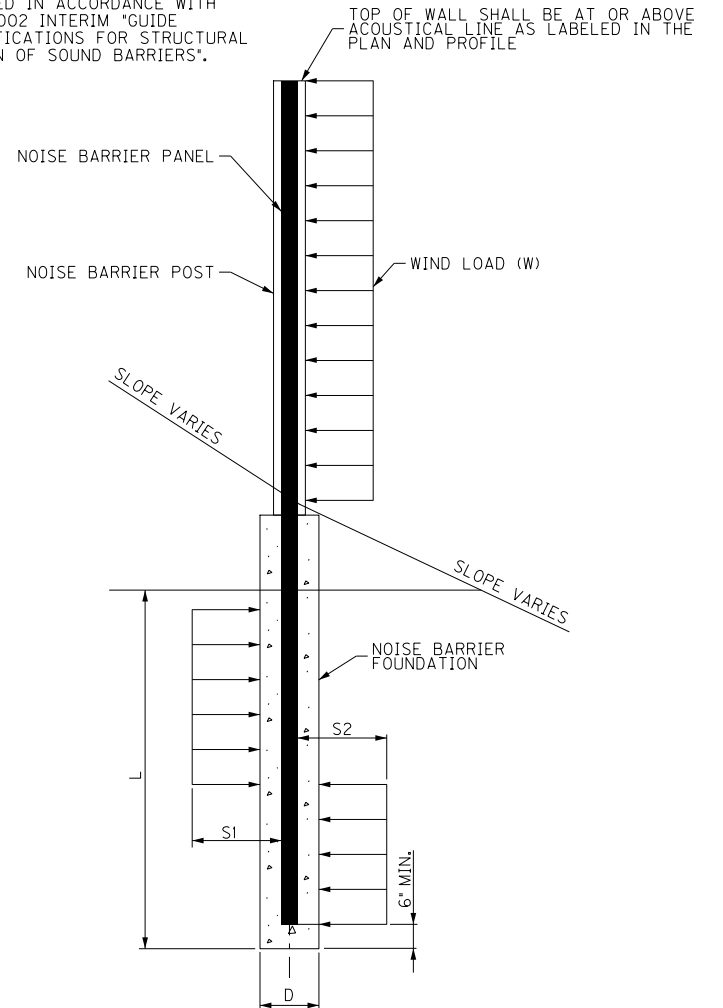


POST DRAINAGE BACKFILL DETAIL
(SLOPED GRADE)
NOT TO SCALE



POST DRAINAGE BACKFILL DETAIL
(LEVEL GRADE)
NOT TO SCALE

NOTE: LOADS SHOULD BE FACTORED IN ACCORDANCE WITH SELECTED DESIGN METHOD. WIND AND SEISMIC LOADS SHALL BE APPLIED IN ACCORDANCE WITH THE 2002 INTERIM "GUIDE SPECIFICATIONS FOR STRUCTURAL DESIGN OF SOUND BARRIERS".



W = DESIGN WIND LOAD
L = NOISE BARRIER FOUNDATION DEPTH
D = NOISE BARRIER FOUNDATION DIAMETER
S = ALLOWABLE SOIL PRESSURE

TYPICAL SECTION NOISE BARRIER
NOT TO SCALE

DESIGN DATA FOR SOUND BARRIER SYSTEM

RETAINING WALL OR RAILING MOUNTED
WIND VELOCITY: 80 MPH

DESIGNED FOR A WIND PRESSURE OF 33 PSF ACCORDING TO THE 1989 AASHTO GUIDE SPECIFICATIONS FOR STRUCTURAL DESIGN OF SOUND BARRIERS, WITH INTERIMS THROUGH 2002, (TABLE 1-2.1.2.D) AND A MAXIMUM SOUND BARRIER PANEL WEIGHT OF 100 PSF.

NOTES:
MINIMUM SPACING OF POSTS SHALL BE 15.00'. NO POST SHALL BE CLOSER THAN 4.00' FROM ANY OPEN JOINT ON THE BARRIER RAIL. MAXIMUM SHEAR STRENGTH AT TOP CONNECTION OF BARRIER RAIL SHALL BE 35 KIPS PER POST.

SOUND BARRIER PANEL WEIGHT IS FOR 8" THICK PRECAST CONCRETE PANEL.

GROUND MOUNTED
WIND VELOCITY: 80 MPH

DESIGNED FOR A WIND PRESSURE OF 33 PSF ACCORDING TO THE 1989 AASHTO GUIDE SPECIFICATIONS FOR STRUCTURAL DESIGN OF SOUND BARRIERS, WITH INTERIMS THROUGH 2002, (TABLE 1-2.1.2.C) AND A MAXIMUM SOUND BARRIER PANEL WEIGHT OF 45 PSF.

NOTES:
MINIMUM SPACING OF POSTS SHALL BE 15.00'.



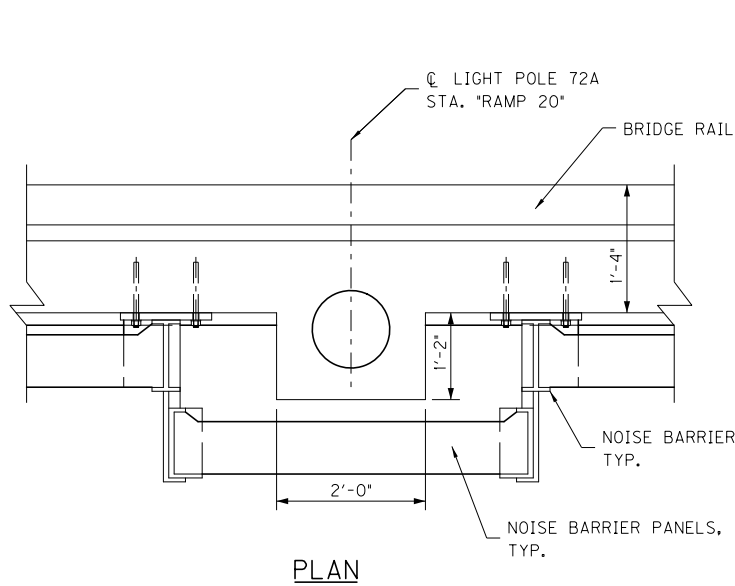
PRELIMINARY
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____
DESIGNED: _____ SSL _____
CHECKED: _____ ELM _____
DRAWN: _____ TPH _____
CHECKED: _____ SSL _____

INDIANA
DEPARTMENT OF TRANSPORTATION
SECTION 3 - ORB DOWNTOWN
NOISE BARRIER DETAILS

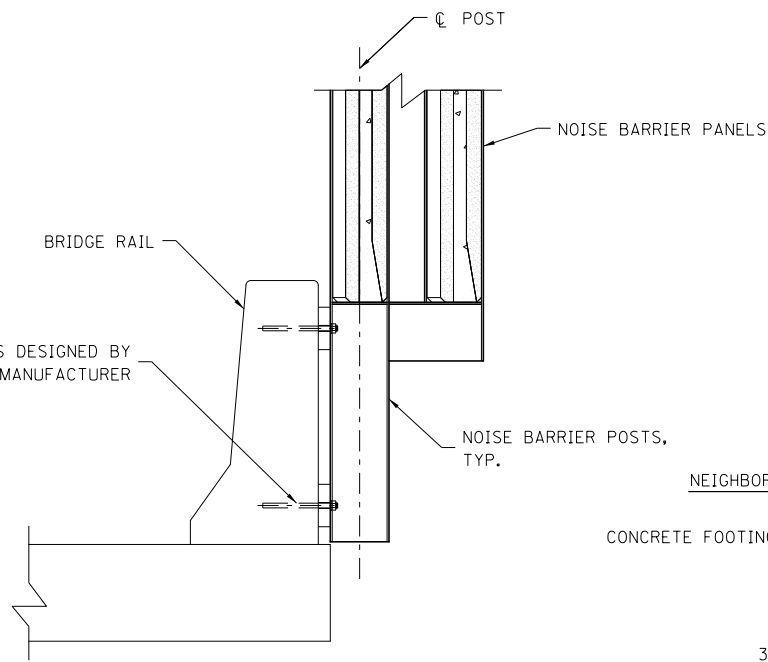
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VERTICAL SCALE AS NOTED	DESIGNATION 0300798
SURVEY BOOK	PROJECT 0300798
CONTRACT	SHEET NO. 3R3309b DRAWING NO.

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3:44:57 PM
USER: thansen
DATE PLOTTED: 4/16/2014
MODEL NAME: DS-NW-06
MicroStation v8.11.9.357

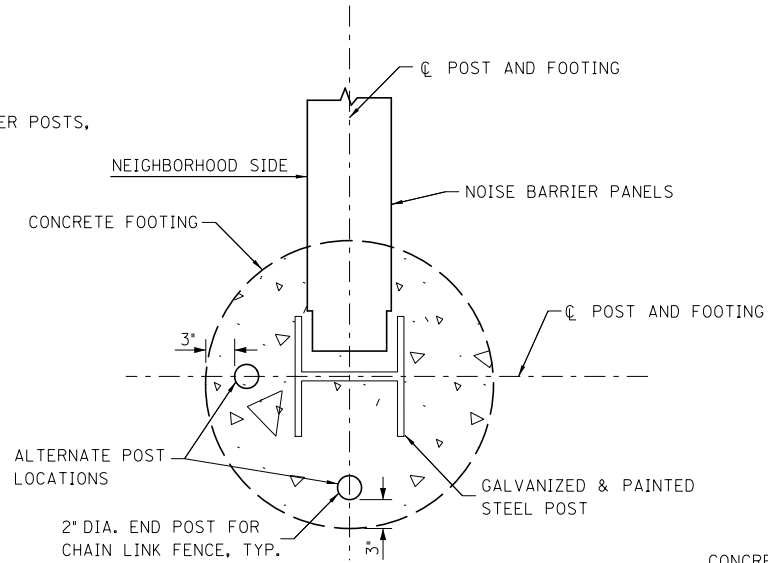


PLAN

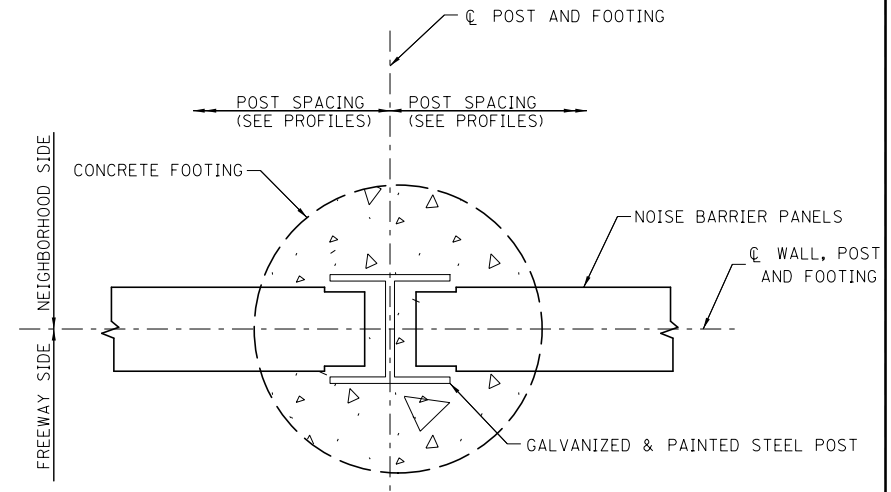
BRIDGE MOUNTED DESIGN
NOT TO SCALE



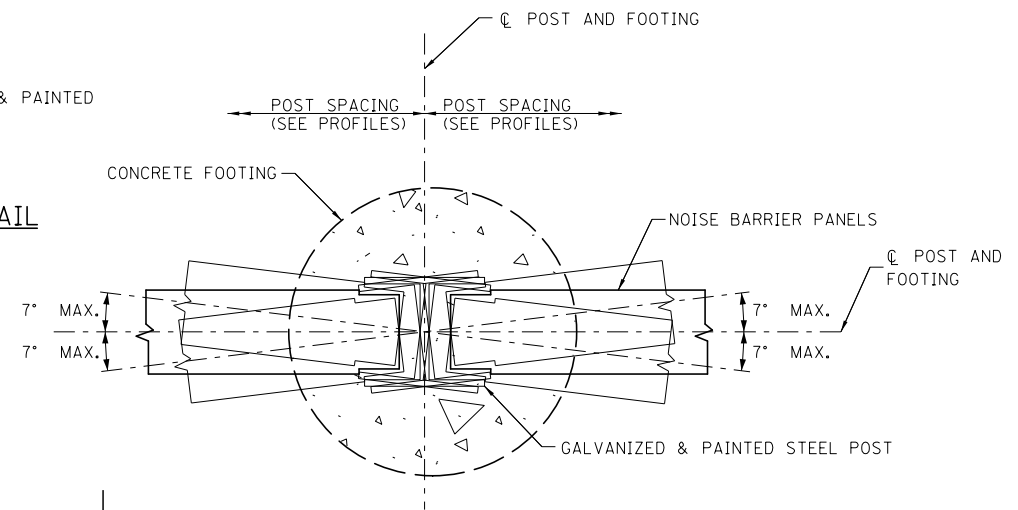
SECTION



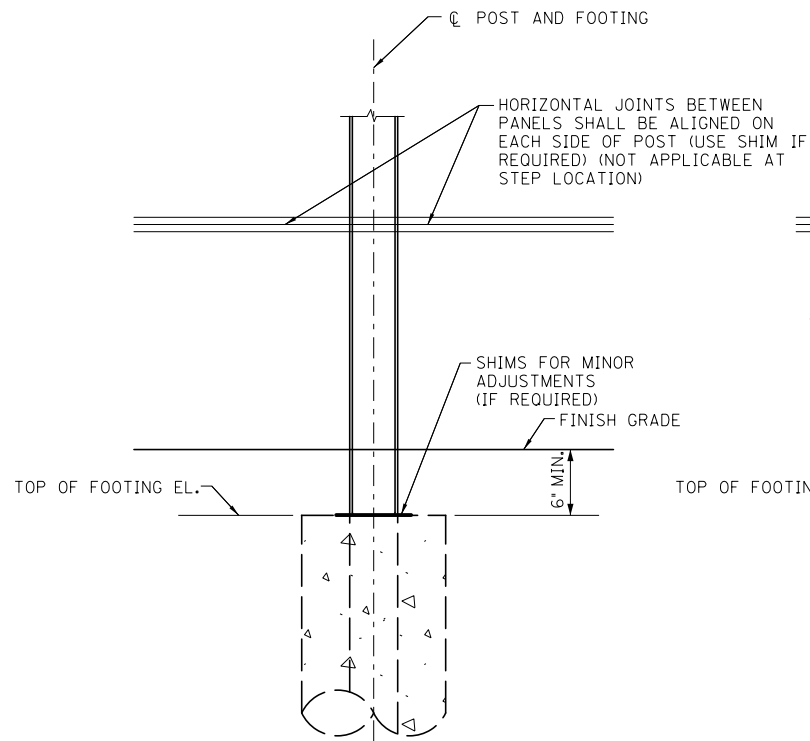
END POST W/ FENCE TIE-IN PLAN DETAIL
NOT TO SCALE



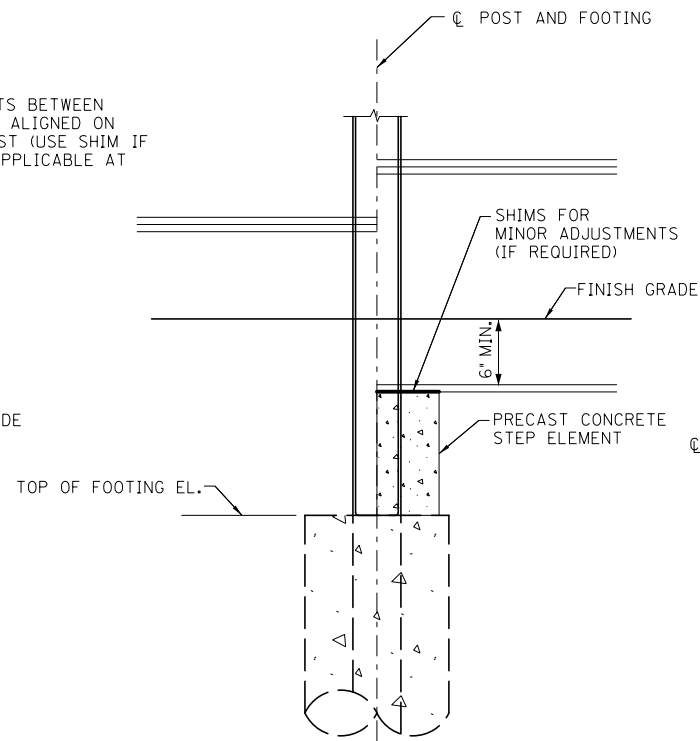
TYPICAL POST DETAIL
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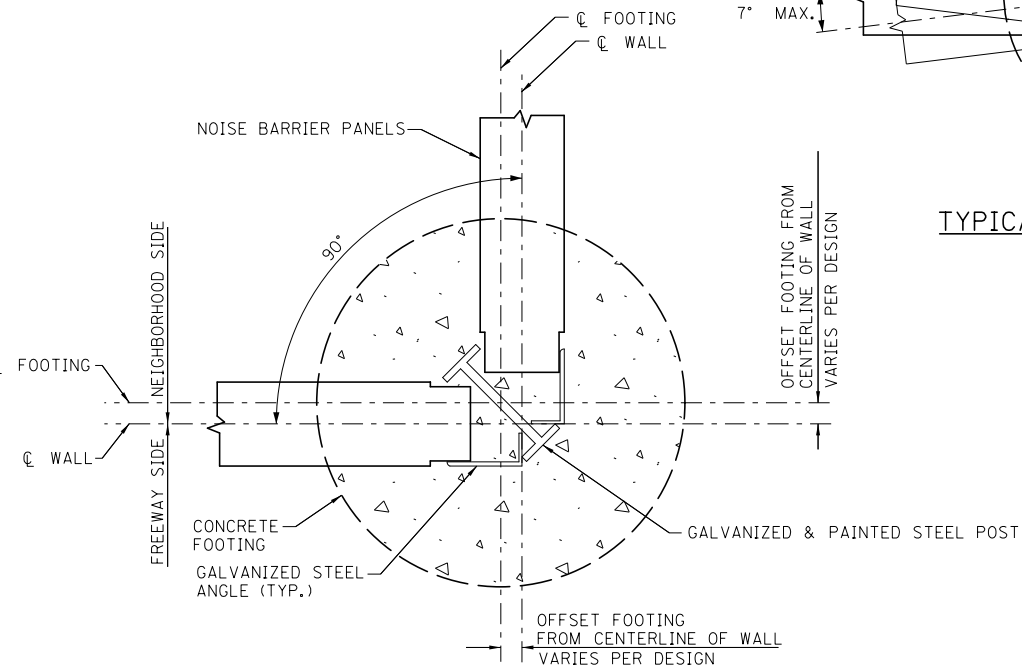
TYPICAL DEFLECTION DETAIL
NOT TO SCALE



ELEVATION DETAIL
NOT TO SCALE



STEP DETAIL
NOT TO SCALE



CORNER POST DETAIL
NOT TO SCALE

REV. B	BU-NW PRE-RFC	04/11/2014
REV. A	BU-NW INTERIM	03/19/2014
REVISION NO.	SUBMITTAL NAME	DATE

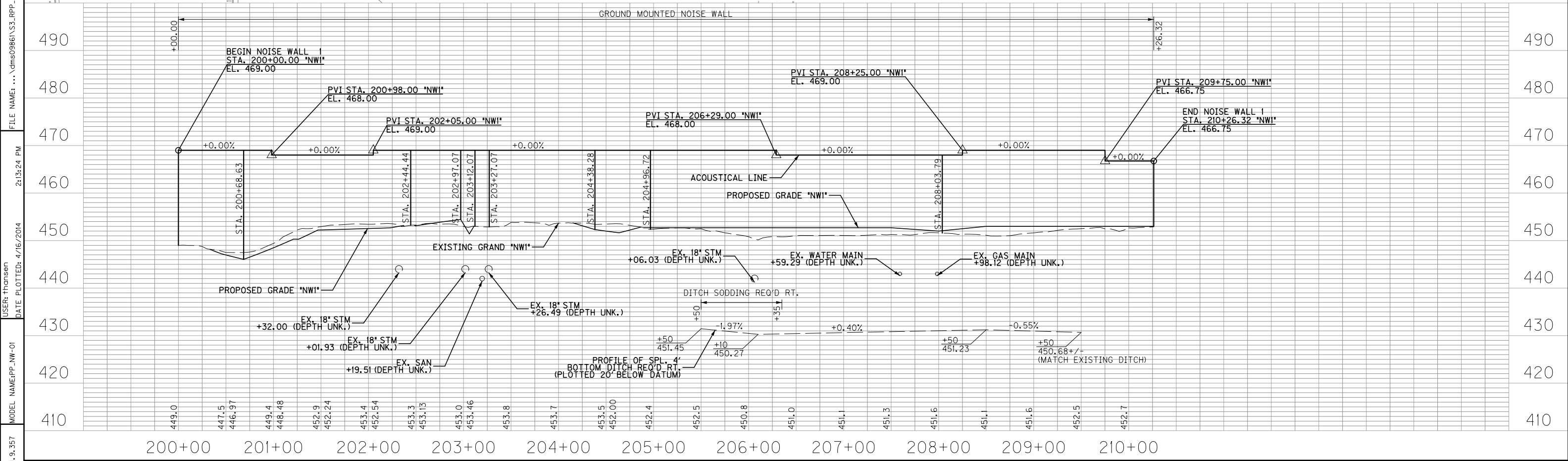
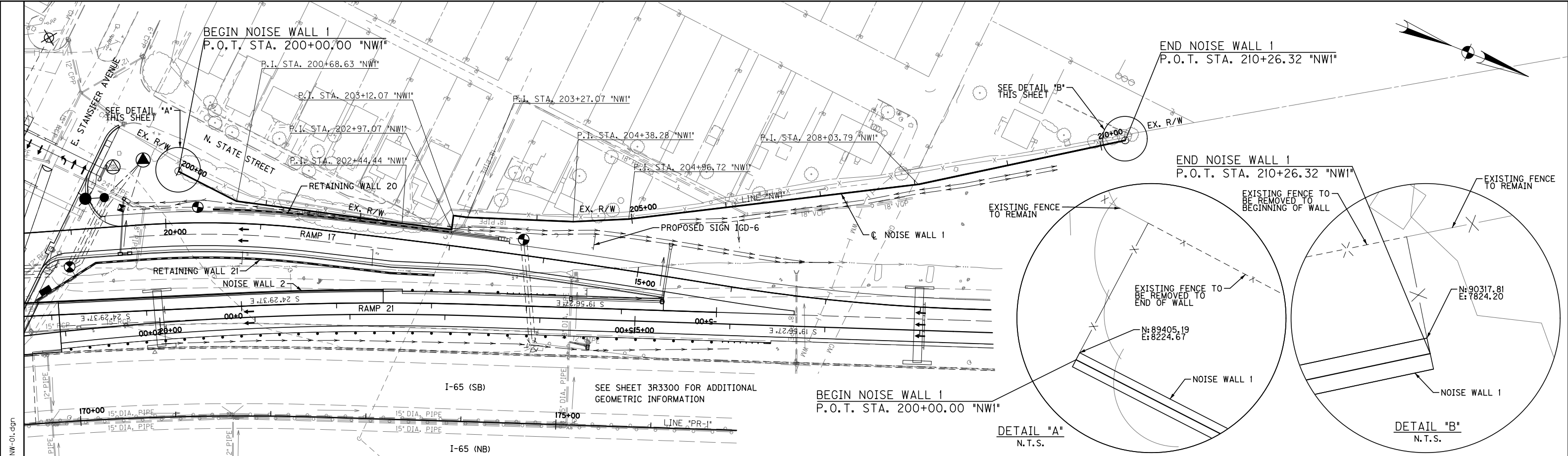


PRELIMINARY
NOT FOR CONSTRUCTION

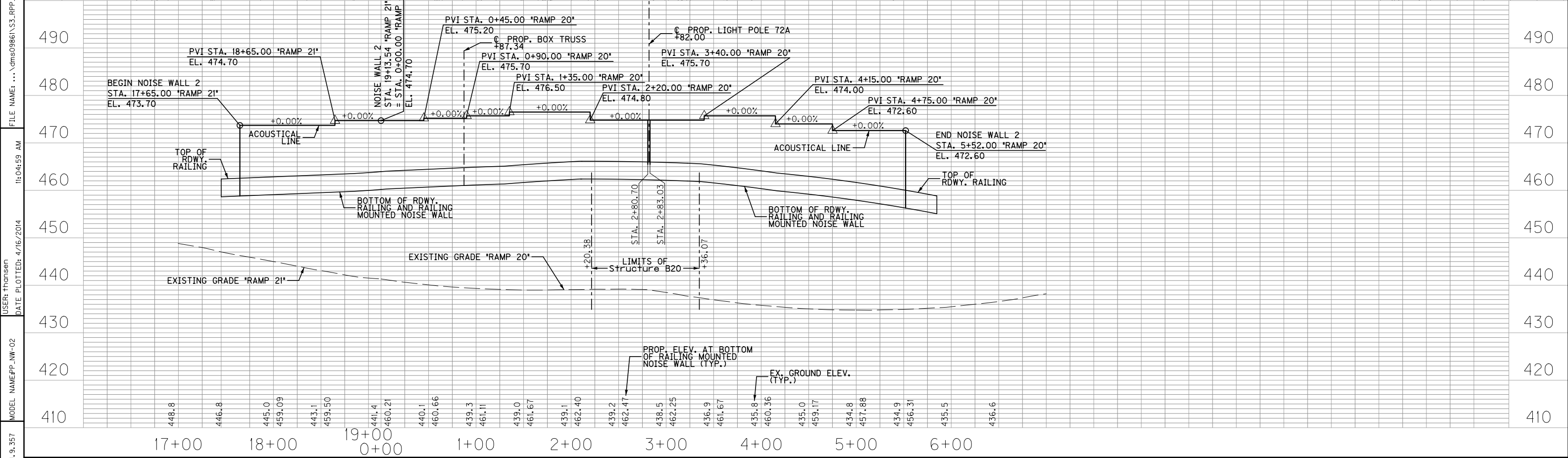
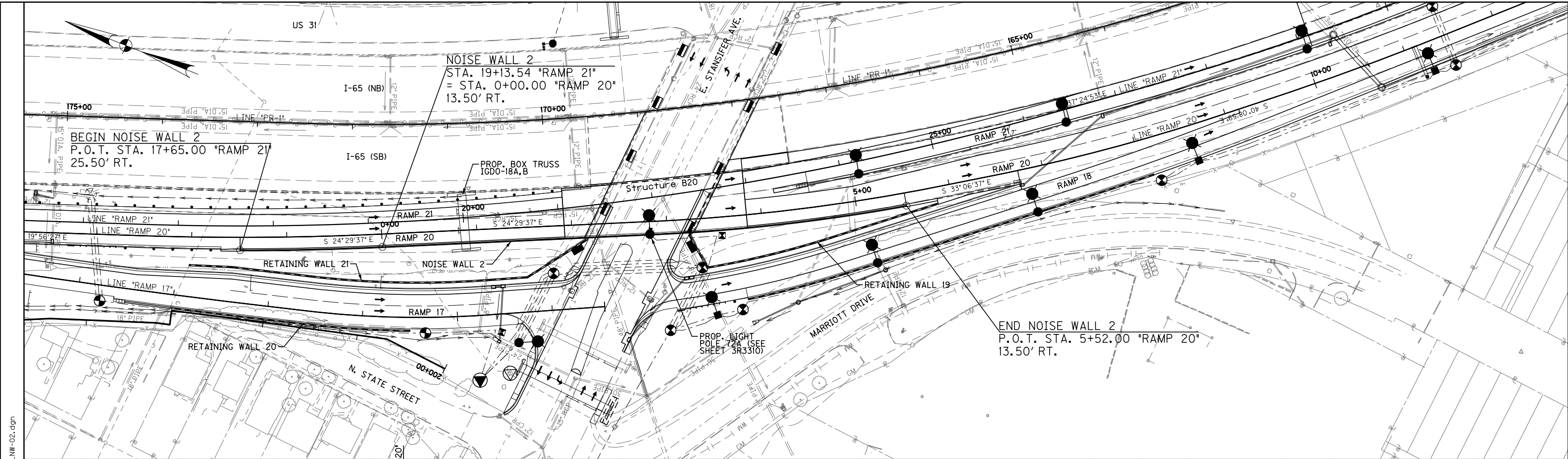
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: SSL	DRAWN: TPH	
CHECKED: ELM	CHECKED: SSL	

INDIANA DEPARTMENT OF TRANSPORTATION
SECTION 3 - ORB DOWNTOWN NOISE BARRIER DETAILS

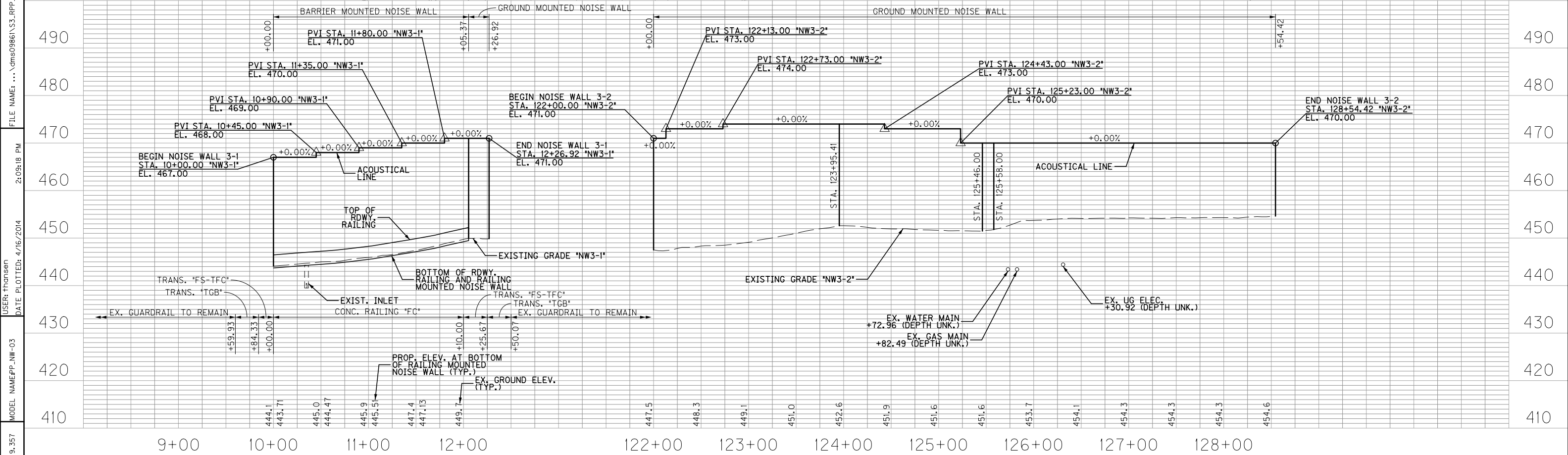
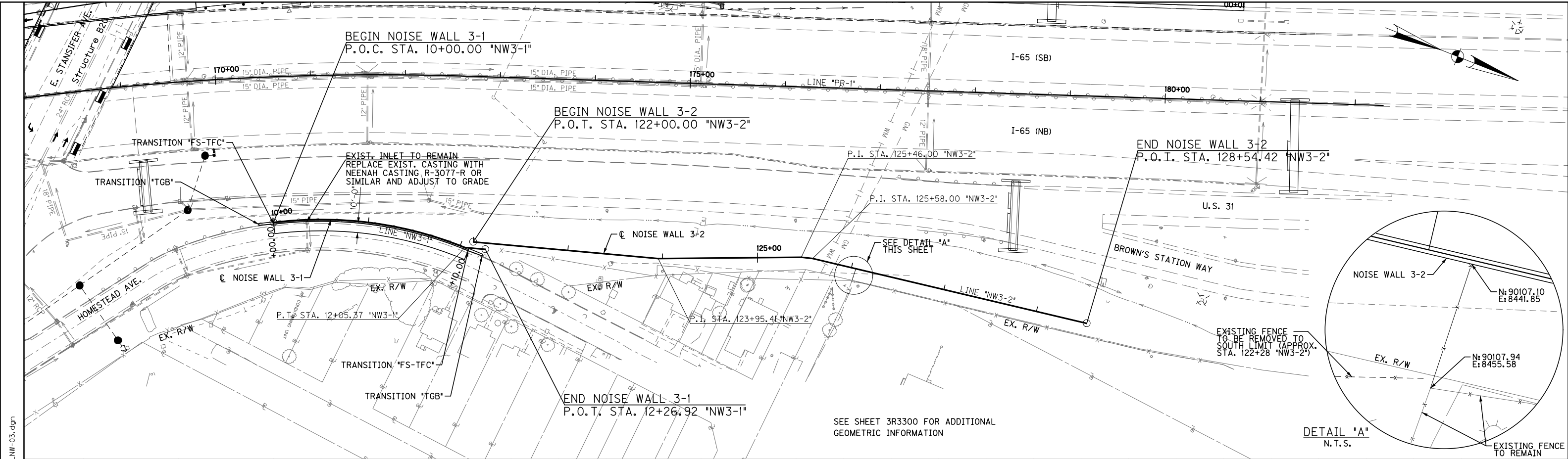
HORIZONTAL SCALE AS NOTED	BRIDGE FILE
VERTICAL SCALE	DESIGNATION 0300798
SURVEY BOOK	PROJECT 0300798
CONTRACT	SHEET NO. 3R3310 b1 DRAWING NO.



REV. B REV. A REVISION NO.			BU-NW PRE-RFC BU-NW INTERIM SUBMITTAL NAME			04/11/2014 03/19/2014 DATE		
PREPARED BY			BRIDGES			WASH M JACOBSON		
PRELIMINARY			NOT FOR CONSTRUCTION			RECOMMENDED FOR APPROVAL		
DESIGNED: SSL			DRAWN: TPH			CHECKED: ELM		
CHECKED: ELM			CHECKED: SSL			INDIANA DEPARTMENT OF TRANSPORTATION		
SECTION 3 - ORB DOWNTOWN			PLAN AND PROFILE			LINE "NW1"		
HORIZONTAL SCALE 1" = 50'			VERTICAL SCALE 1" = 10'			BRIDGE FILE		
DESIGNATION 0300798			SURVEY BOOK			PROJECT 0300798		
CONTRACT			SHEET NO. 3R3315 b1			DRAWING NO.		

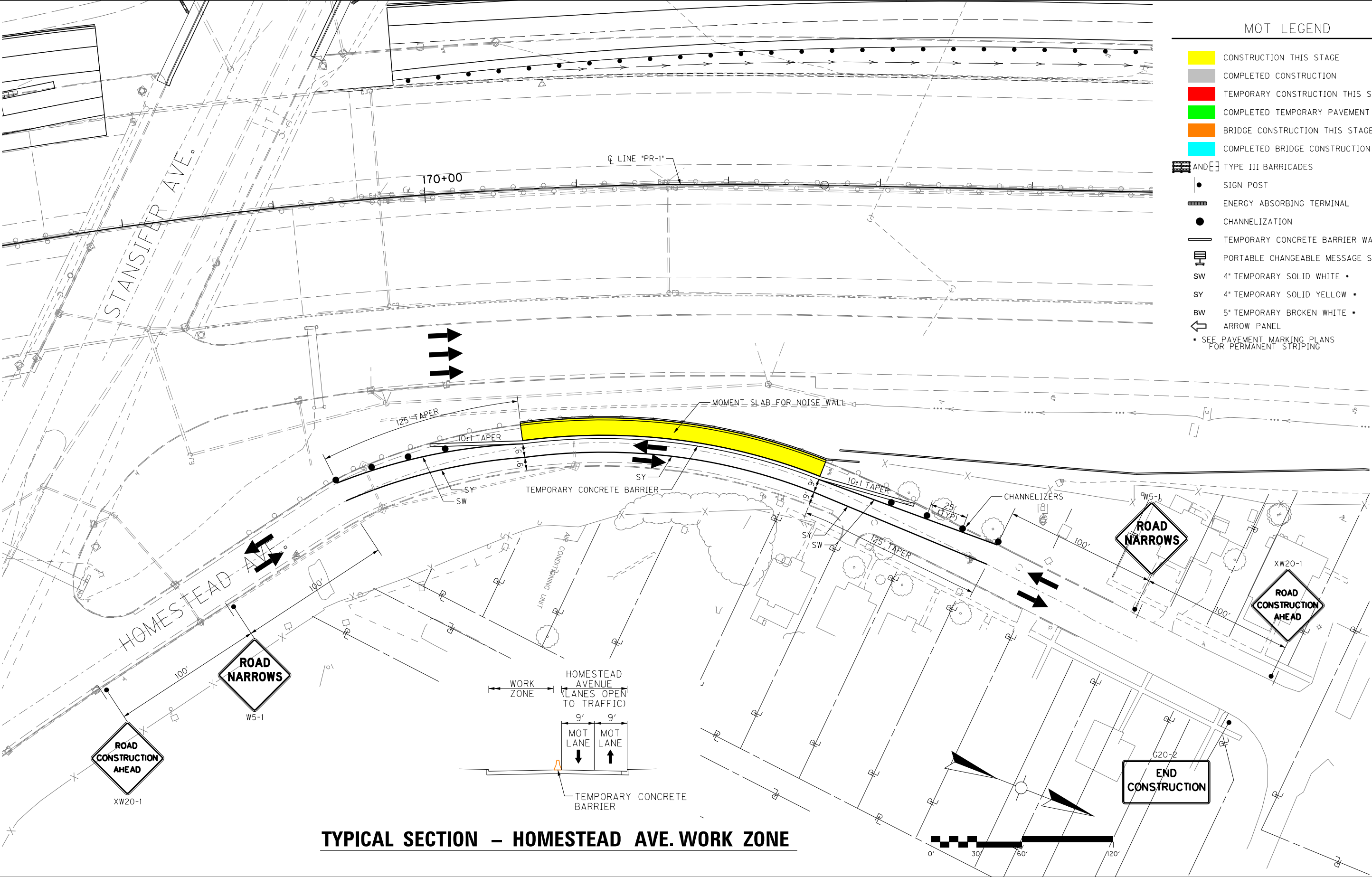


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			NOT FOR CONSTRUCTION		RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE	
					DESIGNED: SSL		DRAWN: TPH		INDIANA DEPARTMENT OF TRANSPORTATION	
					CHECKED: ELM		CHECKED: SSL		SECTION 3 - ORB DOWNTOWN PLAN AND PROFILE LINE "NW2"	
									HORIZONTAL SCALE 1" = 50'	
									VERTICAL SCALE 1" = 10'	
									SURVEY BOOK	
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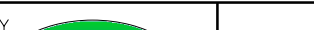


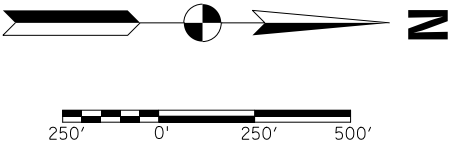
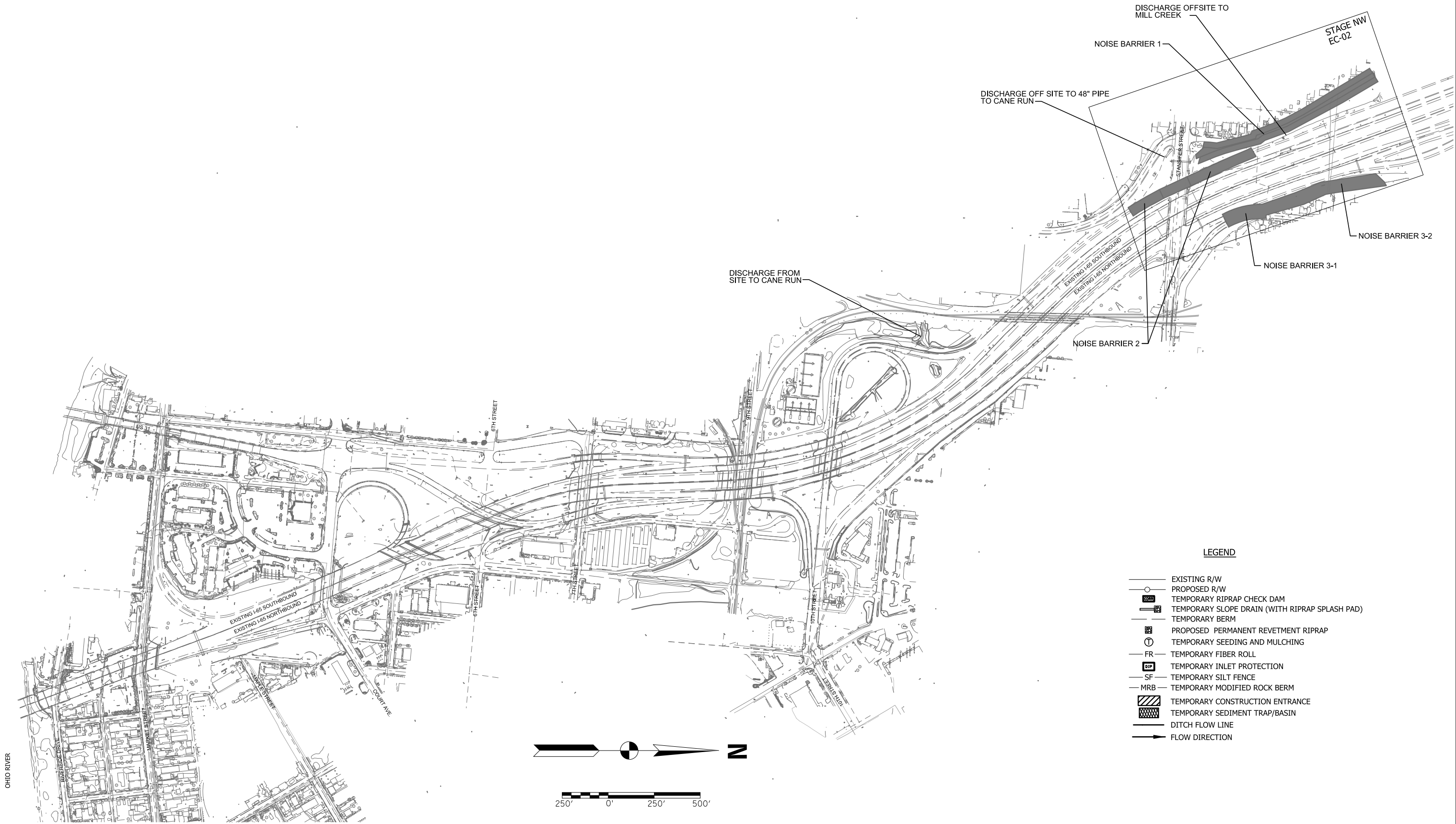
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REV. B			BU-NW PRE-RFC		04/11/2014		RECOMMENDED FOR APPROVAL		DESIGN ENGINEER	
									DATE	
									INDIANA DEPARTMENT OF TRANSPORTATION	
									SECTION 3 - ORB DOWNTOWN	
									PLAN AND PROFILE	
									LINE "NW3-1" & LINE "NW3-2"	
									HORIZONTAL SCALE	
									1" = 50'	
									VERTICAL SCALE	
									1" = 10'	
									SURVEY BOOK	
									CONTRACT	
									BRIDGE FILE	
									DESIGNATION	
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1:20:24 PM
4/7/2014
USER: tedbetow
MODEL NAME: default
v8.11.9.357



- MOT LEGEND
- CONSTRUCTION THIS STAGE
 - COMPLETED CONSTRUCTION
 - TEMPORARY CONSTRUCTION THIS STAGE
 - COMPLETED TEMPORARY PAVEMENT
 - BRIDGE CONSTRUCTION THIS STAGE
 - COMPLETED BRIDGE CONSTRUCTION
 - AND TYPE III BARRICADES
 - SIGN POST
 - ENERGY ABSORBING TERMINAL
 - CHANNELIZATION
 - TEMPORARY CONCRETE BARRIER WALL
 - PORTABLE CHANGEABLE MESSAGE SIGN
 - SW 4" TEMPORARY SOLID WHITE
 - SY 4" TEMPORARY SOLID YELLOW
 - BW 5" TEMPORARY BROKEN WHITE
 - ARROW PANEL
 - SEE PAVEMENT MARKING PLANS FOR PERMANENT STRIPING

			PREPARED BY			PRELIMINARY				RECOMMENDED FOR APPROVAL		INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE 1" = 50'		BRIDGE FILE			
						NOT FOR CONSTRUCTION				DESIGN ENGINEER		DATE		SECTION 3 - ORB DOWNTOWN BU NW MOT SIGNING AND STRIPING		VERTICAL SCALE N/A		DESIGNATION 0300798	
REV. B	PRE-RFC SUBMITTAL	04/11/2014								DESIGNED: ANG	DRAWN: ANG				SURVEY BOOK		PROJECT 0300798		
REV. A	INTERIM SUBMITTAL	03/18/2014														CONTRACT		SHEET NO. 3R1070 b f	
REVISION NO.	SUBMITTAL NAME	DATE								CHECKED: AWL		CHECKED: AWL						DRAWING NO.	



- LEGEND**
- EXISTING R/W
 - PROPOSED R/W
 - TEMPORARY RIPRAP CHECK DAM
 - TEMPORARY SLOPE DRAIN (WITH RIPRAP SPLASH PAD)
 - TEMPORARY BERM
 - PROPOSED PERMANENT REVETMENT RIPRAP
 - TEMPORARY SEEDING AND MULCHING
 - FR TEMPORARY FIBER ROLL
 - TEMPORARY INLET PROTECTION
 - SF TEMPORARY SILT FENCE
 - MRB TEMPORARY MODIFIED ROCK BERM
 - TEMPORARY CONSTRUCTION ENTRANCE
 - TEMPORARY SEDIMENT TRAP/BASIN
 - DITCH FLOW LINE
 - FLOW DIRECTION

PREPARED BY

PRELIMINARY

NOT FOR CONSTRUCTION

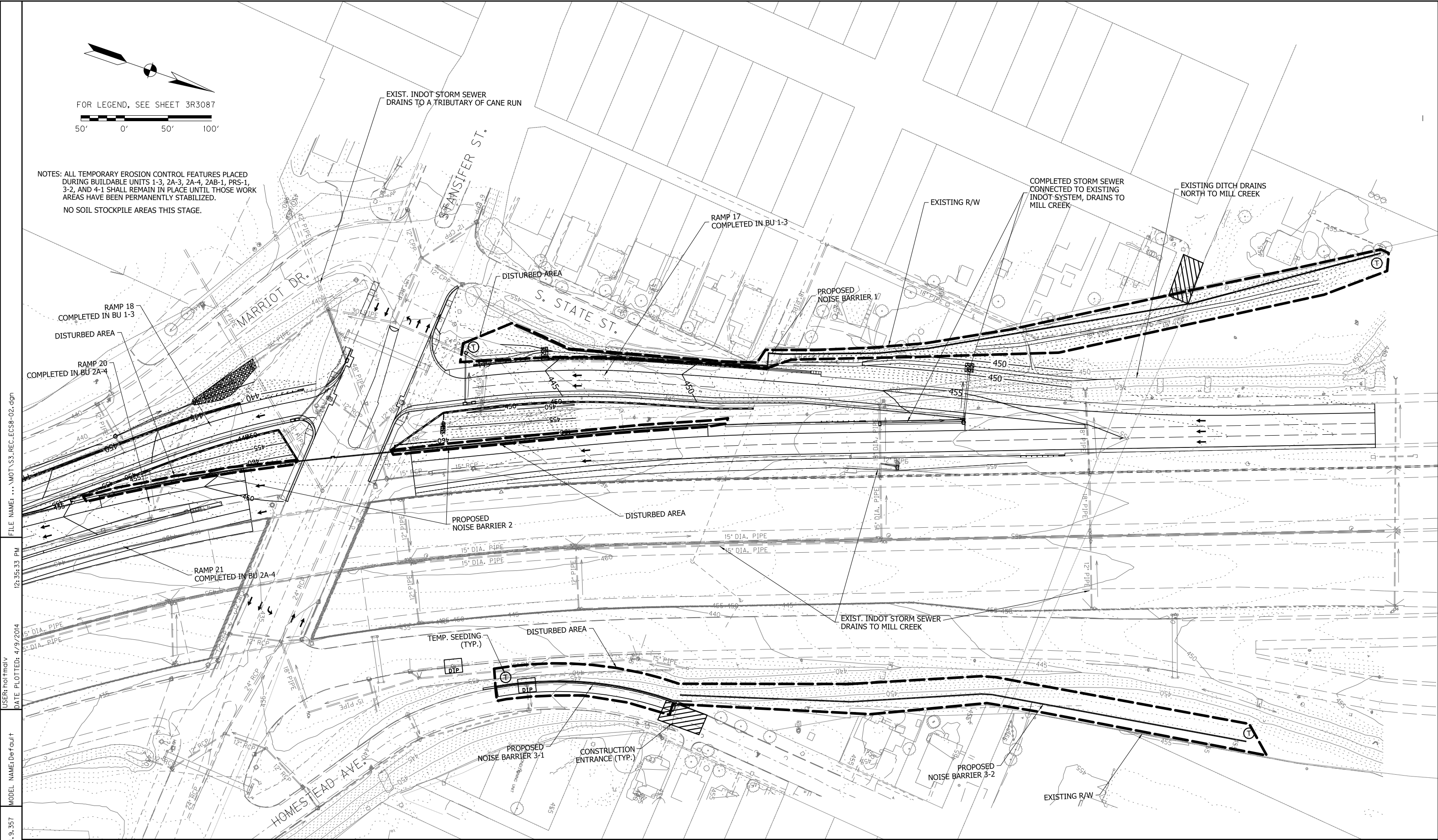
RECOMMENDED FOR APPROVAL	
DESIGN ENGINEER	DATE
DESIGNED: LVH	DRAWN: LVH
CHECKED: TJJ	CHECKED: TJJ

INDIANA
DEPARTMENT OF TRANSPORTATION

SECTION 3 - ORB DOWNTOWN
EROSION CONTROL - BU NW

HORIZONTAL SCALE	BRIDGE FILE
1"=250'	DESIGNATION
VERTICAL SCALE	0300798
SURVEY BOOK	PROJECT
CONTRACT	SHEET NO. 3R3087b1
	DRAWING NO. EC-01

REV. B	PRE-RFC SUBMITTAL	04/11/2014
REV. A	INTERIM SUBMITTAL	03/19/2014
REVISION NO.	SUBMITTAL NAME	DATE



MicroStation v8.11.9.357
MODEL NAME: Default
DATE PLOTTED: 4/9/2014
12:35:33 PM
USER: hofmadv
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REV. A	INTERIM SUBMITTAL	03/19/2014
REVISION NO.	SUBMITTAL NAME	DATE

PREPARED BY



PRELIMINARY

NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: LVH	DRAWN: LVH	
CHECKED: TJJ	CHECKED: TJJ	

INDIANA
DEPARTMENT OF TRANSPORTATION

SECTION 3 - ORB DOWNTOWN
EROSION CONTROL - BU NW

HORIZONTAL SCALE 1"=50'	BRIDGE FILE
VERTICAL SCALE	DESIGNATION 0300798
SURVEY BOOK	PROJECT
CONTRACT	SHEET NO. 3R3088 of DRAWING NO. EC-02

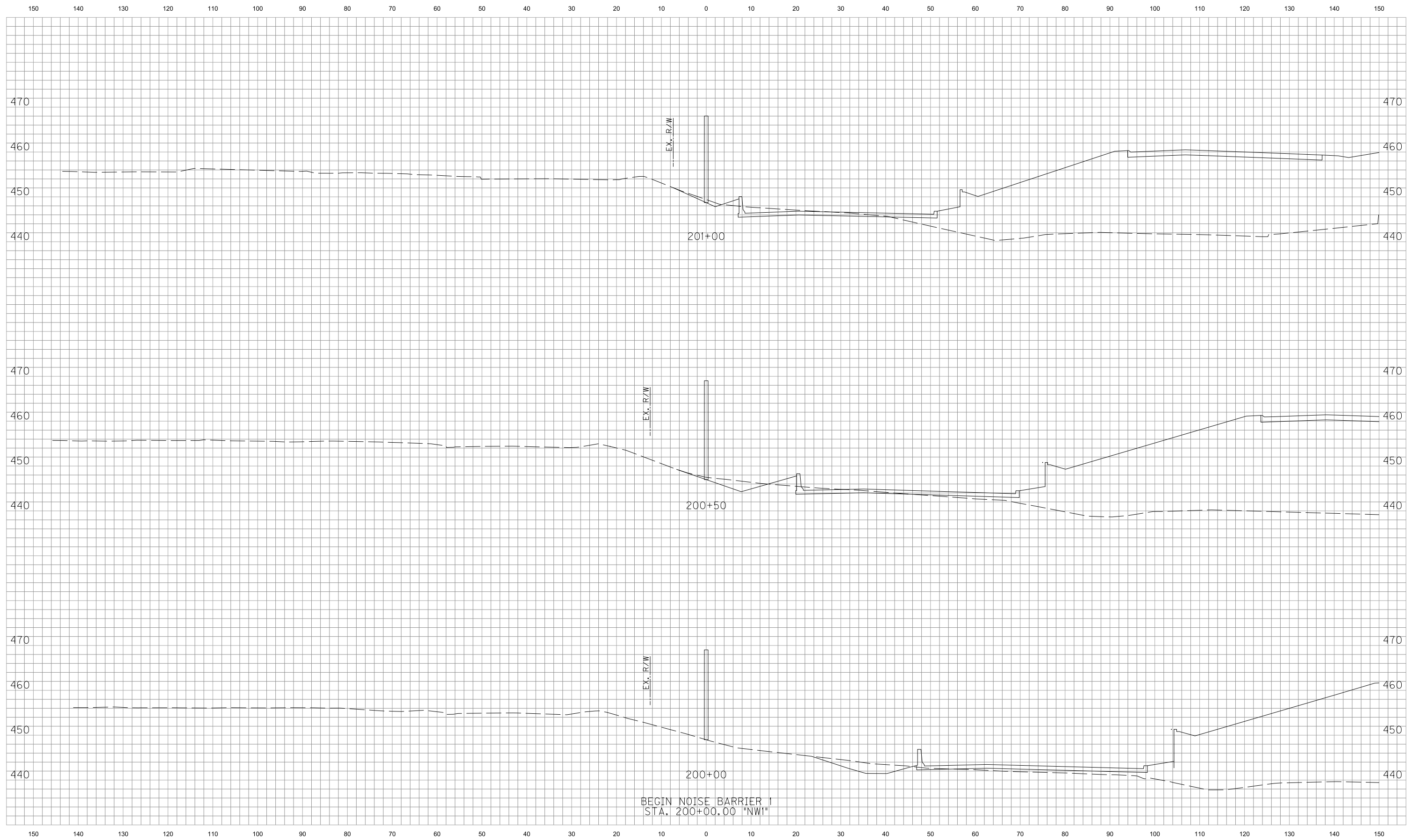
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			PREPARED BY  		PRELIMINARY	
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REV. A	INTERIM SUBMITTAL	03/19/2014				
REVISION NO.	SUBMITTAL NAME	DATE				

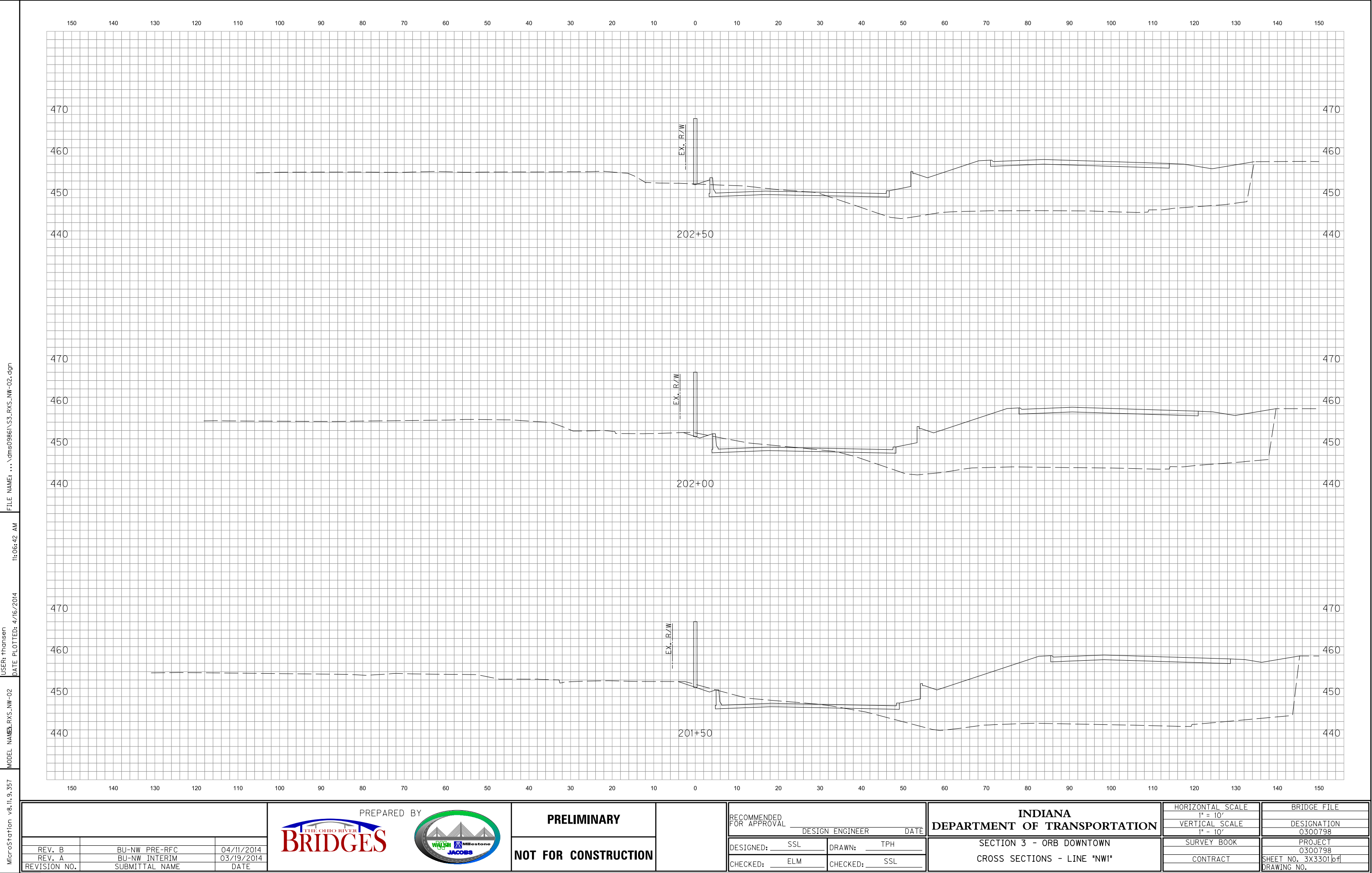
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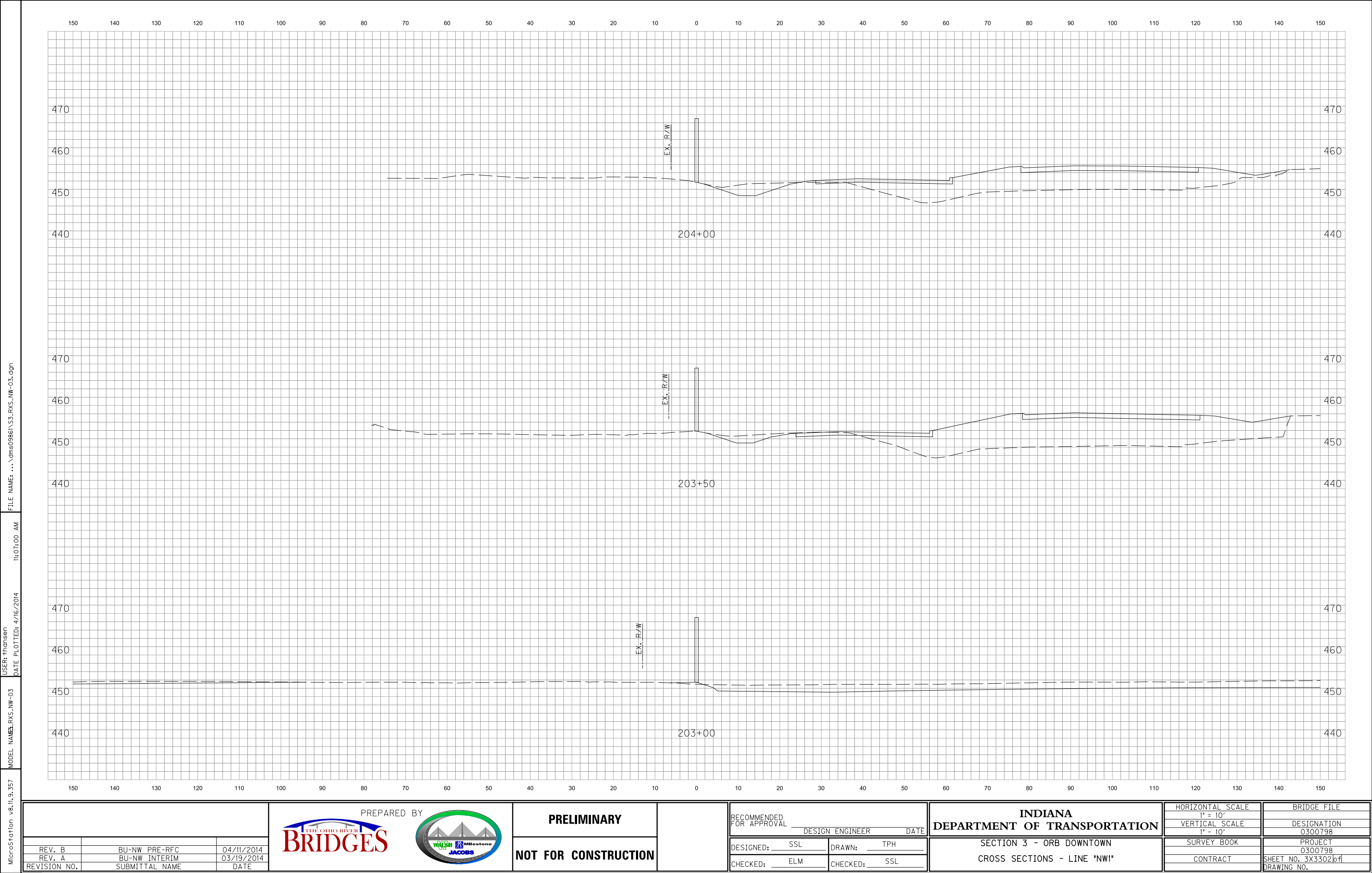
RECOMMENDED FOR APPROVAL	DESIGN ENGINEER _____ DATE _____		INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE	BRIDGE FILE
				VERTICAL SCALE	DESIGNATION 0300798
DESIGNED: _____ LVH	DRAWN: _____ LVH	SECTION 3 - ORB DOWNTOWN EROSION CONTROL - BU NW	SURVEY BOOK	PROJECT	
CHECKED: _____ CSK	CHECKED: _____ CSK		CONTRACT	SHEET NO. 3R3089b of DRAWING NO. _____ EC-03	

MicroStation v8.11.9.357



			PREPARED BY  		PRELIMINARY NOT FOR CONSTRUCTION				RECOMMENDED FOR APPROVAL _____ _____ DESIGN ENGINEER _____ DATE		INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE 1" = 10'		BRIDGE FILE	
									DESIGNED: _____ SSL _____ DRAWN: _____ TPH _____		SECTION 3 - ORB DOWNTOWN CROSS SECTIONS - LINE "NW1"		VERTICAL SCALE 1" = 10'		DESIGNATION 0300798	
REV. B BU-NW PRE-RFC 04/11/2014 REV. A BU-NW INTERIM 03/19/2014 REVISION NO. SUBMITTAL NAME DATE									CHECKED: _____ ELM _____ CHECKED: _____ SSL _____				SURVEY BOOK		PROJECT 0300798	
													CONTRACT		SHEET NO. 3X3300b1 DRAWING NO.	





MicroStation v8.11.9.357



PRELIMINARY
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____	DATE _____
DESIGNED: _____	SSL	DRAWN: _____	TPH
CHECKED: _____	ELM	CHECKED: _____	SSL

INDIANA
DEPARTMENT OF TRANSPORTATION

SECTION 3 - ORB DOWNTOWN

CROSS SECTIONS - LINE "NW1"

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	
VERTICAL SCALE	DESIGNATION
1" = 10'	0300798
SURVEY BOOK	PROJECT
	0300798
CONTRACT	SHEET NO. 3x3303 of
	DRAWING NO.

MicroStation v8.11.9.357

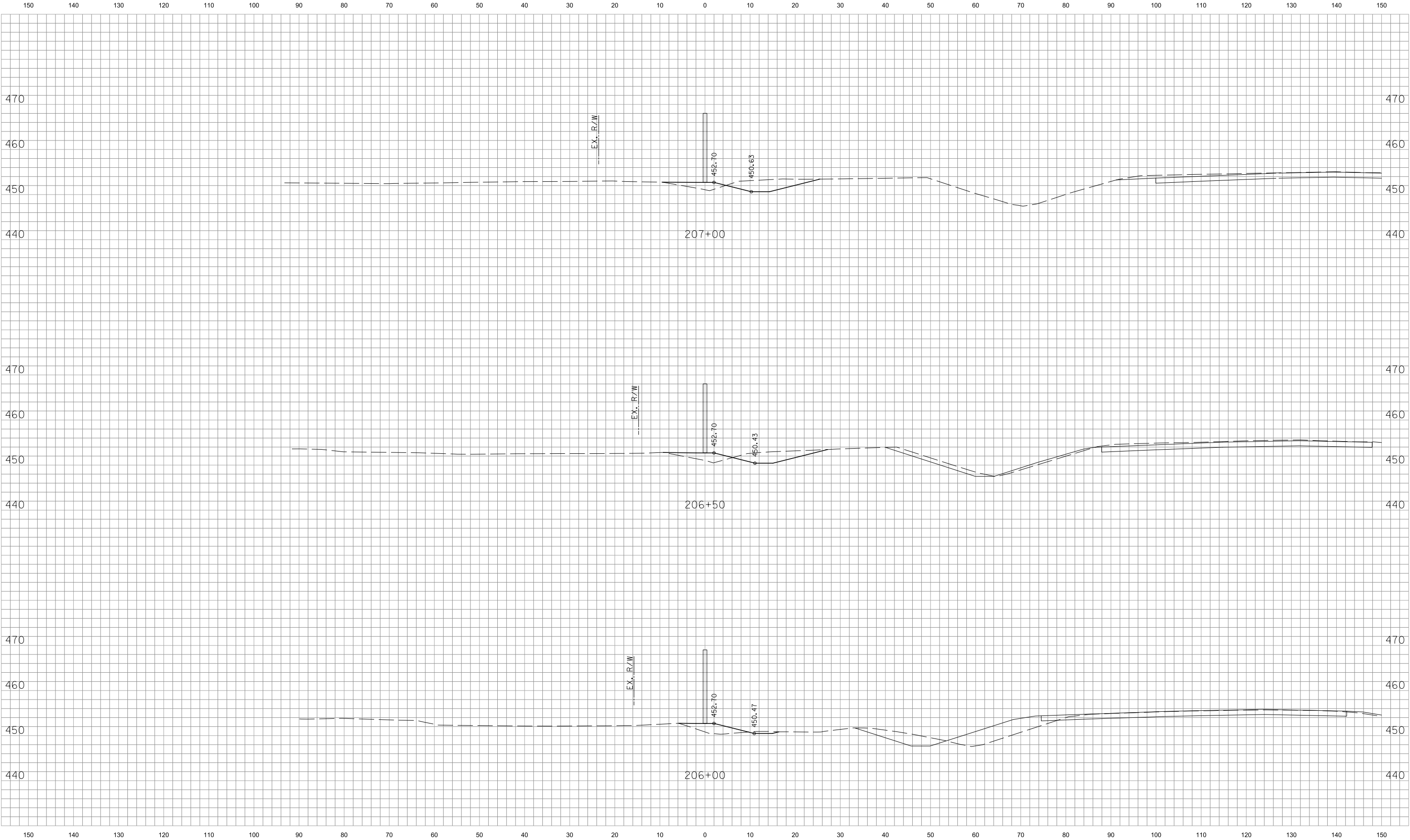
MODEL NAME:RXS-NW-05

USER: thansen

DATE PLOTTED: 4/16/2014

11:07:37 AM

FILE NAME: ... \dms0986\33_RXS-NW-05.dgn



REV. B	BU-NW PRE-RFC	04/11/2014
REV. A	BU-NW INTERIM	03/19/2014
REVISION NO.	SUBMITTAL NAME	DATE



PRELIMINARY

NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	
DESIGNED: _____	DRAWN: _____
CHECKED: _____	CHECKED: _____

INDIANA
DEPARTMENT OF TRANSPORTATION

SECTION 3 - ORB DOWNTOWN
CROSS SECTIONS - LINE "NW1"

HORIZONTAL SCALE 1" = 10'	BRIDGE FILE
VERTICAL SCALE 1" = 10'	DESIGNATION 0300798
SURVEY BOOK	PROJECT 0300798
CONTRACT	SHEET NO. 3X3304b1 DRAWING NO.

MicroStation v8.11.9.357

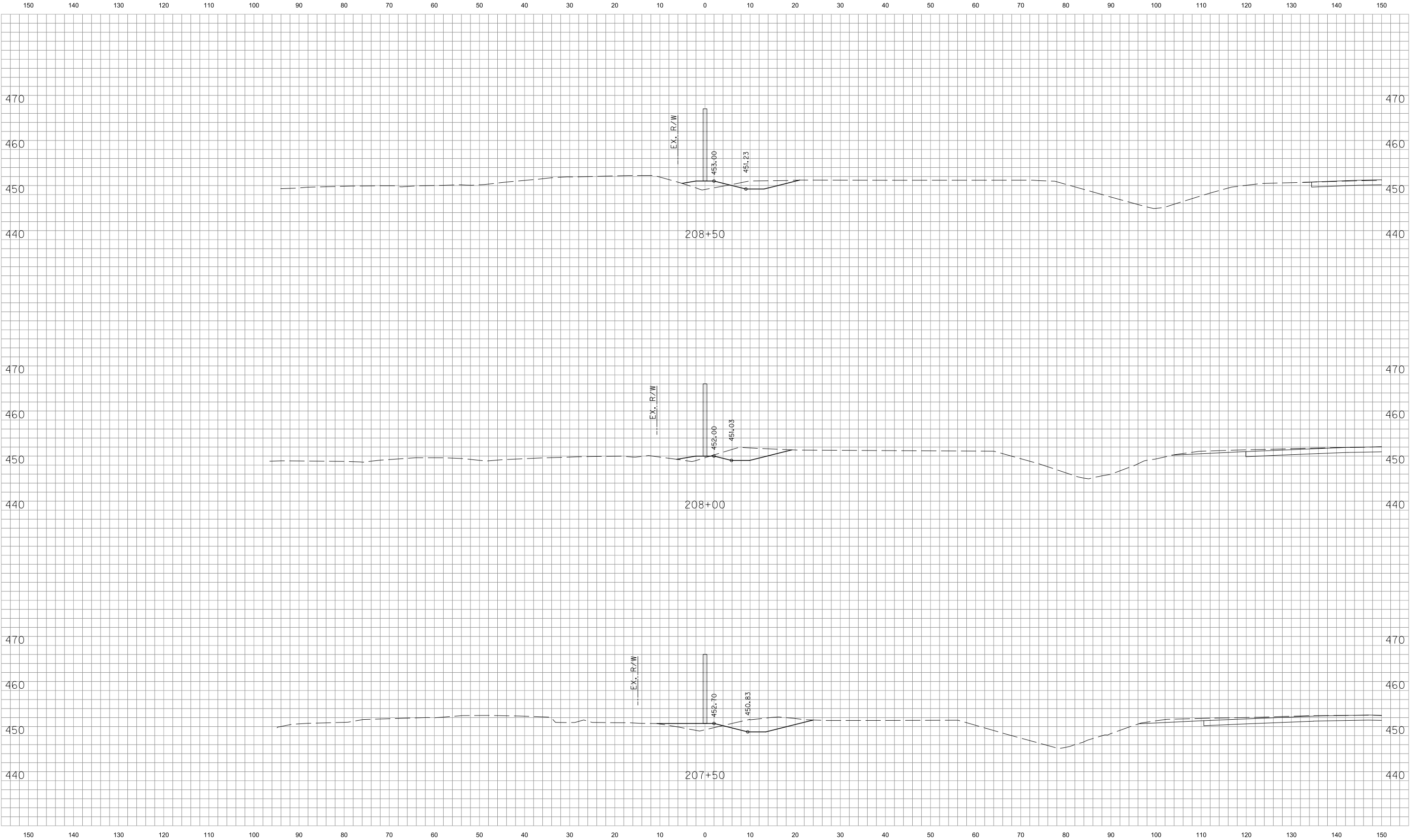
MODEL NAME: RXS-NW-06

USER: thansen

DATE PLOTTED: 4/16/2014

11:07:56 AM

FILE NAME: ... \dms0986\33_RXS-NW-06.dgn



REV. B	BU-NW PRE-RFC	04/11/2014
REV. A	BU-NW INTERIM	03/19/2014
REVISION NO.	SUBMITTAL NAME	DATE



PRELIMINARY

NOT FOR CONSTRUCTION

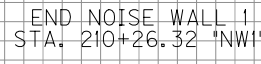
RECOMMENDED FOR APPROVAL _____	
DESIGNED: _____	DRAWN: _____
CHECKED: _____	CHECKED: _____

INDIANA
DEPARTMENT OF TRANSPORTATION

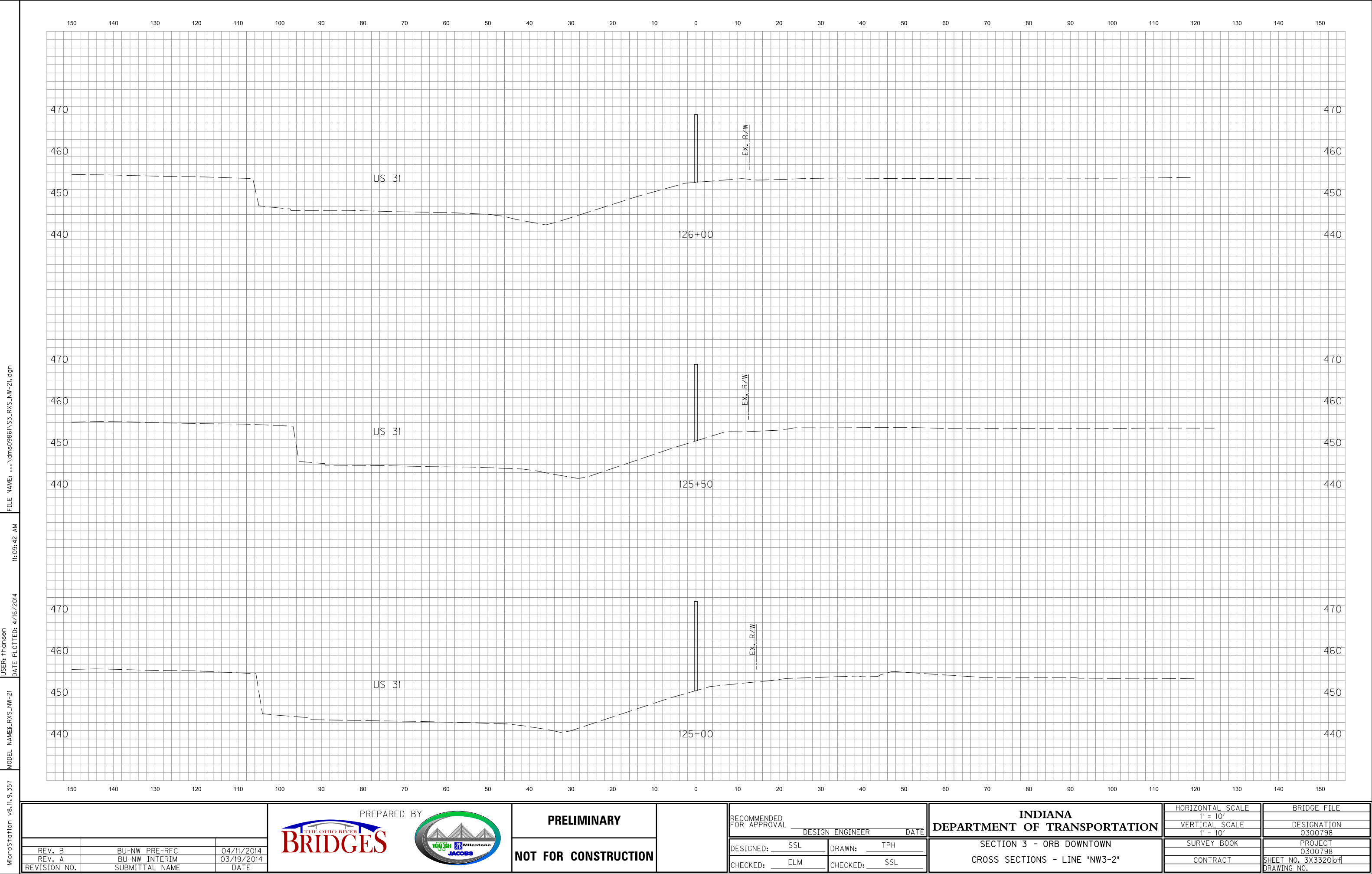
SECTION 3 - ORB DOWNTOWN
CROSS SECTIONS - LINE "NW1"

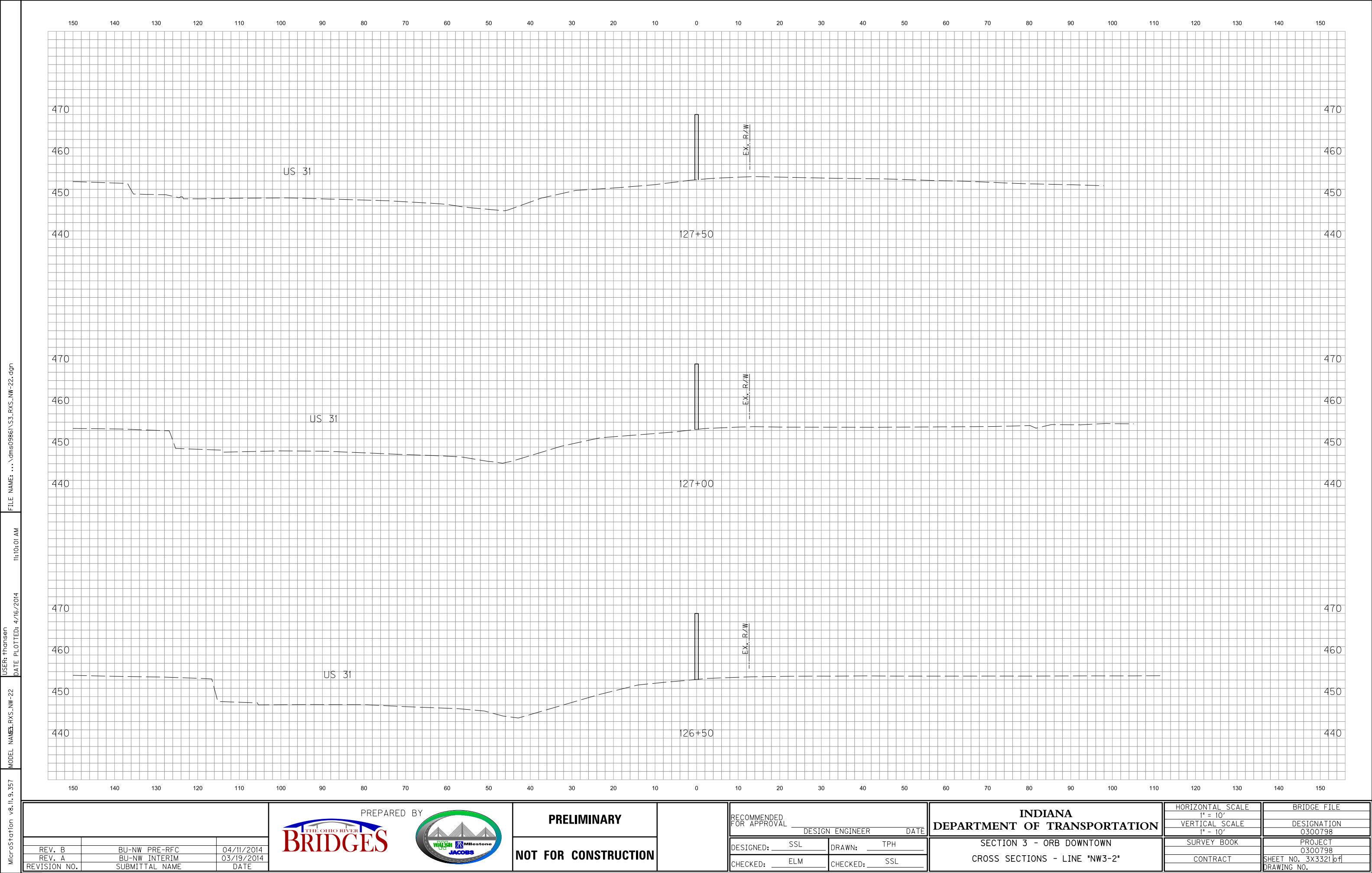
HORIZONTAL SCALE 1" = 10'	BRIDGE FILE
VERTICAL SCALE 1" = 10'	DESIGNATION 0300798
SURVEY BOOK	PROJECT 0300798
CONTRACT	SHEET NO. 3X3305b DRAWING NO.

MicroStation v8.11.9.357



			PREPARED BY  		PRELIMINARY NOT FOR CONSTRUCTION				RECOMMENDED FOR APPROVAL _____ _____ DESIGN ENGINEER _____ DATE		INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE 1" = 10'		BRIDGE FILE	
									DESIGNED: _____ SSL _____ _____ ELM _____		VERTICAL SCALE 1" = 10'		DESIGNATION 0300798			
REV. B BU-NW PRE-RFC 04/11/2014 REV. A BU-NW INTERIM 03/19/2014 REVISION NO. SUBMITTAL NAME DATE									DRAWN: _____ TPH _____ CHECKED: _____ SSL _____		SECTION 3 - ORB DOWNTOWN CROSS SECTIONS - LINE "NW1"		SURVEY BOOK		PROJECT 0300798	
											CONTRACT		SHEET NO. 3X3306b.f DRAWING NO.			





MicroStation v8.11.9.357

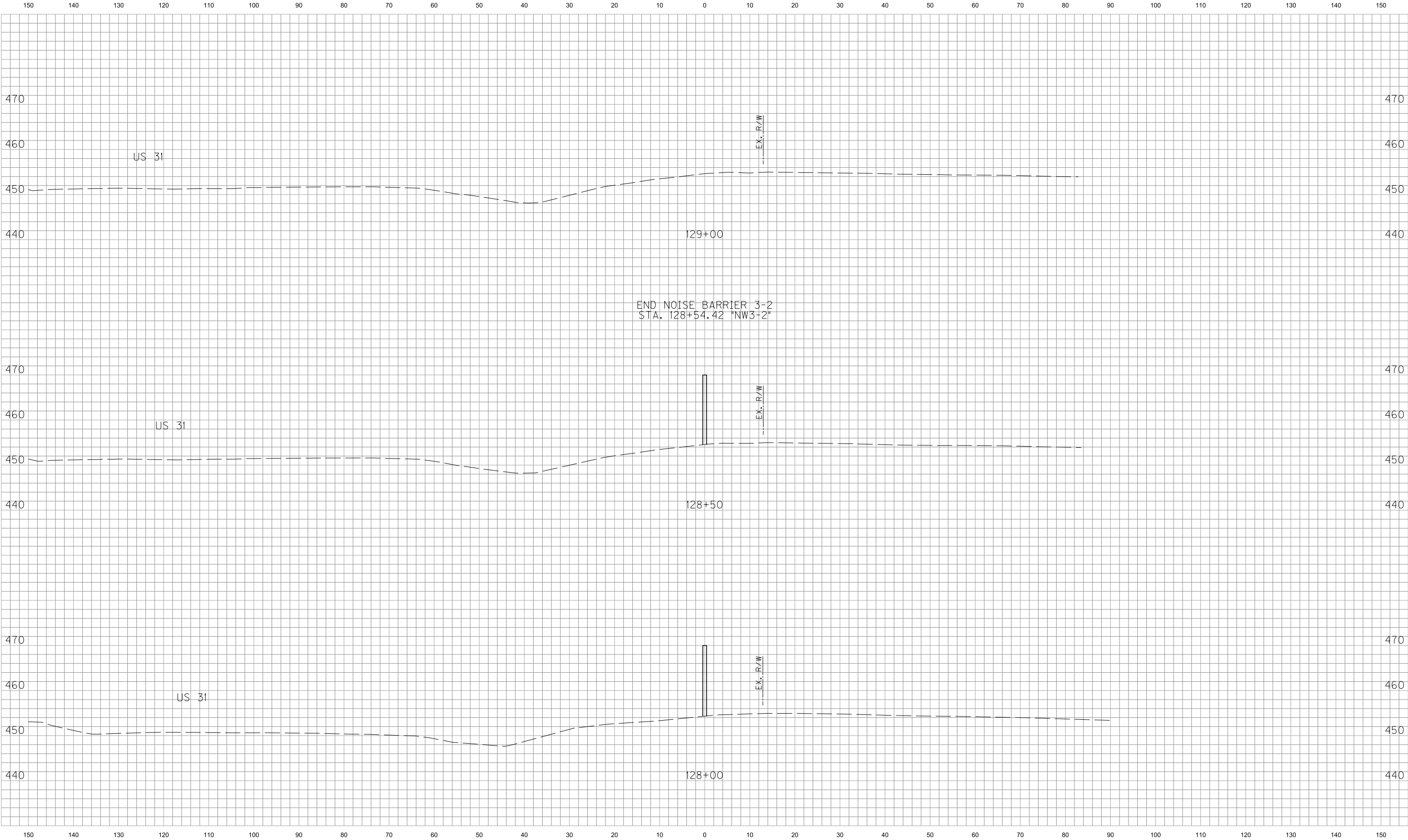
MODEL NAME: RXS_NW-23

USER: thansen

DATE PLOTTED: 4/16/2014

11:03:19 AM

FILE NAME: ... \dms0986\33_RXS_NW-23.dgn



			PREPARED BY		RECOMMENDED FOR APPROVAL		INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE 1" = 10'	BRIDGE FILE
			BRIDGES		DESIGN ENGINEER		DATE		VERTICAL SCALE 1" = 10'	DESIGNATION 0300798
			WOLFE JACOBS		DESIGNED: SSL		DRAWN: TPH		SURVEY BOOK	PROJECT 0300798
					CHECKED: ELM		CHECKED: SSL		CONTRACT	SHEET NO. 3X3322b DRAWING NO.
REV. B			BU-NW PRE-RFC		04/11/2014					
REV. A			BU-NW INTERIM		03/19/2014					
REVISION NO.			SUBMITTAL NAME		DATE					

MicroStation v8.11.9.357 MODEL NAME: I-01 BU2A-3 DATE PLOTTED: 8/28/2013 9:43:51 AM USER: crair-don FILE NAME: ... \dms02752\SS_TTI-01.dgn

PROJECT	DESIGNATION
0300798	0300798
CONTRACT	
SECTION 3	

KIN DESIGNATION NUMBERS	
BRIDGE	
DES NO.	DESCRIPTION
1382326	STR. B01 - RAMP 9 OVER 9TH ST AND L&I RR
1382327	STR. B02 - RAMP 5/7 COMB. OVER 9TH ST AND L&I RR
1382328	STR. B03 - RAMP 12 OVER 9TH ST AND L&I RR
1382329	STR. B04 - I-65 NB RAMP 3 OVER 9TH ST AND L&I RR
1382352	STR. B05 - I-65 SB OVER 9TH ST AND L&I RR
1382330	STR. B06 - RAMP 6 OVER 9TH ST AND L&I RR
1382316	STR. B07 - I-65 NB OVER 6TH ST
1382353	STR. B08 - I-65 SB OVER 6TH ST
1382324	STR. B09 - RAMP 8A OVER 6TH ST
1382325	STR. B10 - RAMP 6 OVER 6TH ST
1382336	STR. B011 - RAMP 7 FLYOVER
1382343	STR. B012 - RAMP 5 FLYOVER CROSSING 6TH ST & RAMP 3
1382344	STR. B013 - RAMP 5/13 OVER 10TH ST
1382345	STR. B014 - NB RAMP 12 OVER 10TH ST
1382346	STR. B015 - I-65 SB OVER 10TH ST
1382347	STR. B016 - RAMP 6 OVER 10TH ST, RAMP 15/19
1382348	STR. B017 - I-65 NB OVER COURT AVE
1382349	STR. B18 - I-65 SB OVER COURT AVE AND RAMP 2/4
1382350	STR. B19 - US 31 OVER COURT AVE
1382351	STR. B20 - RAMP 20/21 & I-65 SB OVER STANSIFER AVE
TRAFFIC	
0300798	SIGNING, LIGHTING, SIGNALS, TOLLING
0300798	INTELLIGENT TRANSPORTATION SYSTEMS (ITS)

INDIANA DEPARTMENT OF TRANSPORTATION



TRAFFIC PLANS LOUISVILLE SOUTHERN INDIANA OHIO RIVER BRIDGES DOWNTOWN CROSSING PROJECT SECTION 3 PROJECT NO. 0300798

Beginning At A Point On The North End Of The Existing And Proposed Ohio River Bridges, Approximately 100' Feet North Of Market St. And Extending In A Northerly Direction Along Existing I-65 For A Distance Of Approximately 5534 Feet To A Point Approximately 300 Feet North Of The L&I Railroad Bridge Crossing I-65 In Clark County.

GROSS LENGTH: - 1.05 mi.

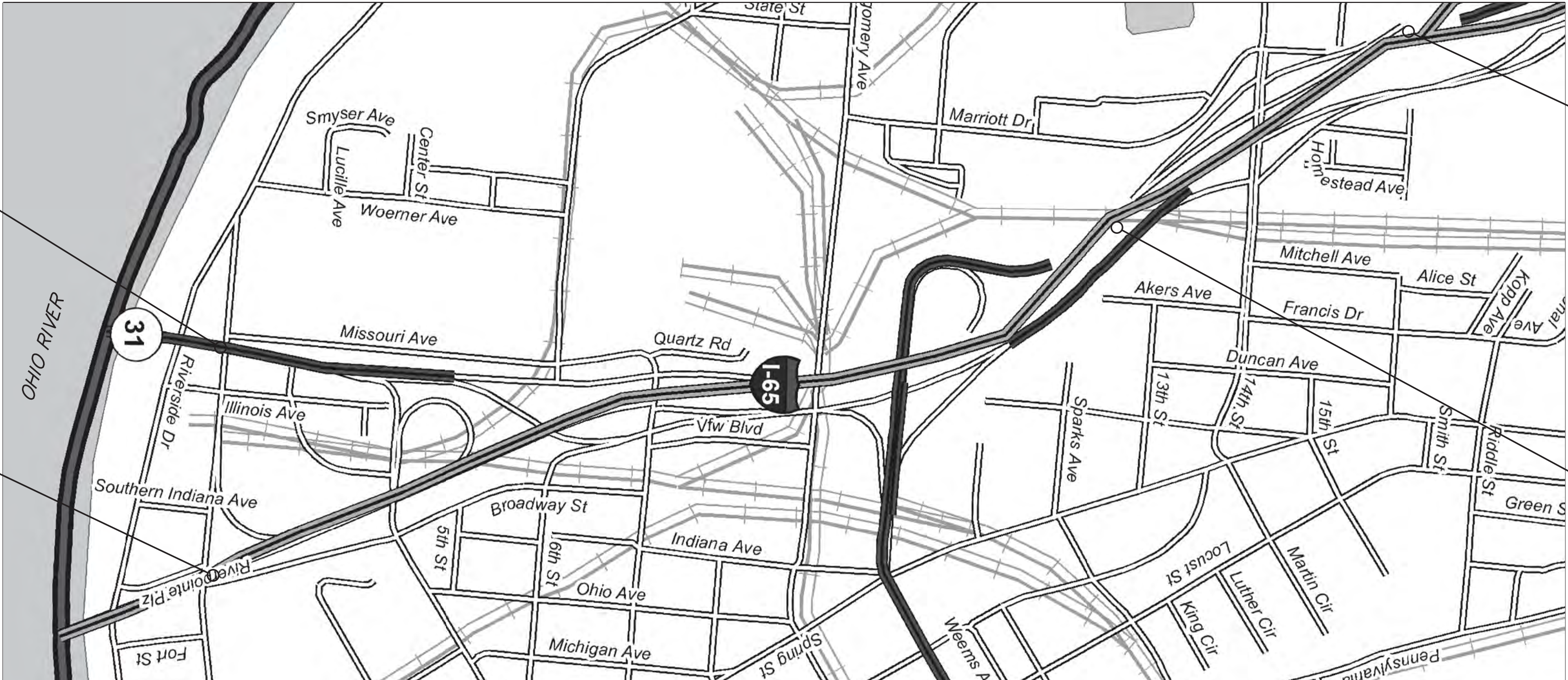
NET LENGTH: - 1.05 mi.

SCALES:

PLAN { LONG: - 50
TRANS: - 50

PROFILE { HORIZ: - 50
VERT: - 10

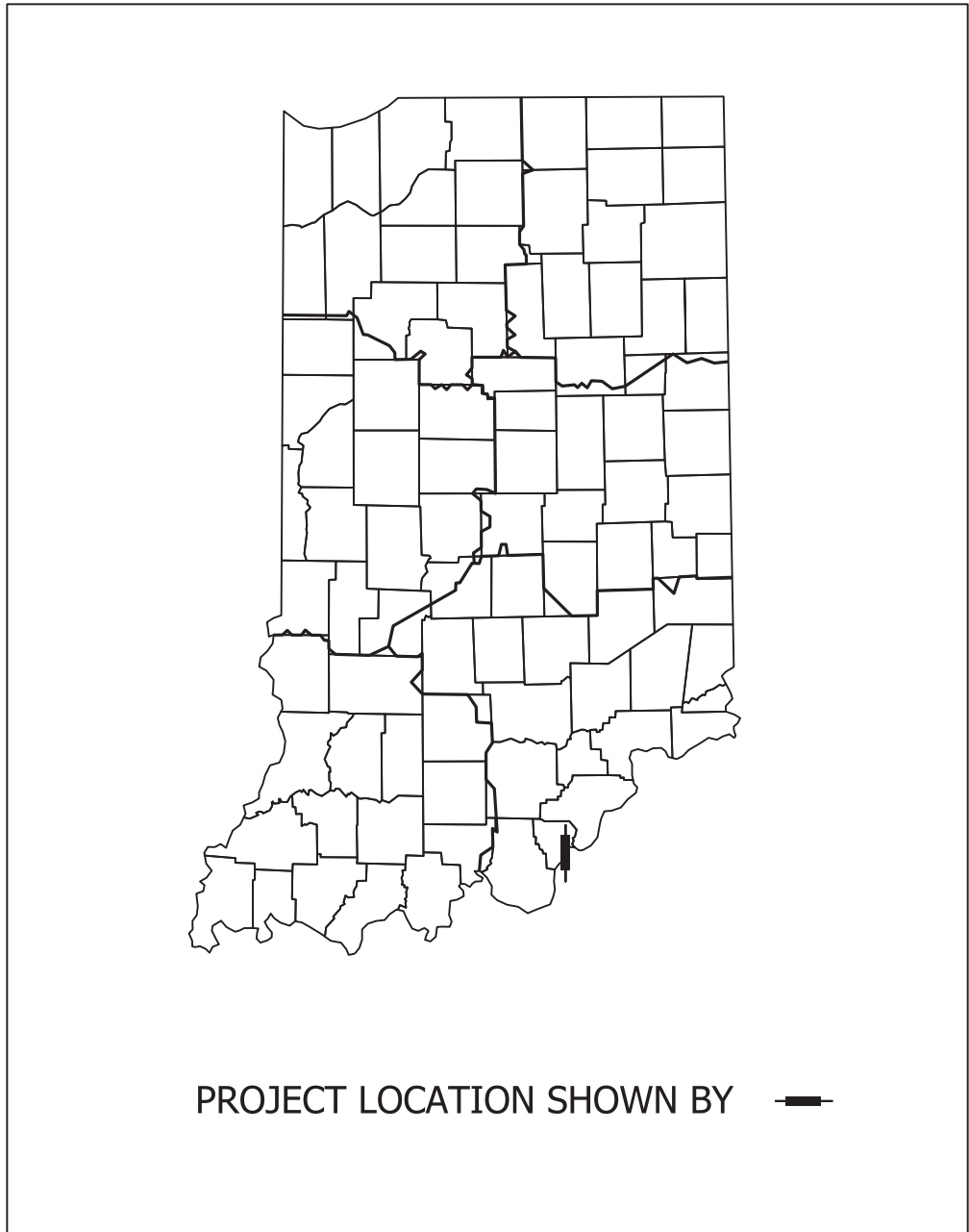
MAX. GRADE-3.03%



VICINITY MAP
CLARK COUNTY

TRAFFIC DATA (SEE ROAD PLANS) I-65		
A.A.D.T.	(2010)	V.P.D.
A.A.D.T.	(2030)	V.P.D.
D.H.V	(2030)	V.P.H.
DIRECTIONAL DISTRIBUTION		%
TRUCKS		D.H.V.
		A.A.D.T.

DESIGN DATA (SEE ROAD PLANS)	
DESIGN SPEED	
PROJECT DESIGN CRITERIA	
FUNCTIONAL CLASSIFICATION	
RURAL/URBAN	
TERRAIN	
ACCESS CONTROL	



PROJECT LOCATION SHOWN BY

LATITUDE:

LONGITUDE:

BEGIN CONSTRUCTION
P.O.T. Sta. 10+00.00 ~ "US 31"

END CONSTRUCTION
P.O.T. Sta. 180+79.76 ~ "PR-1"

BEGIN PROJECT
P.O.T. Sta. 106+66.00 ~ "PR-1"

END PROJECT
P.O.T. Sta. 162+00.00 ~ "PR-1"



SCALE: NONE

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2012
TO BE USED WITH THESE PLANS

REV. 01	BU2A-3 RFC SUBMITTAL	09/03/2013
REV. 00	BUI-3 RFC SUBMITTAL	07/09/2013
REVISION NO.	SUBMITTAL NAME	DATE



PREPARED BY
WALSH
OCT 2, 2013
RELEASED FOR CONSTRUCTION

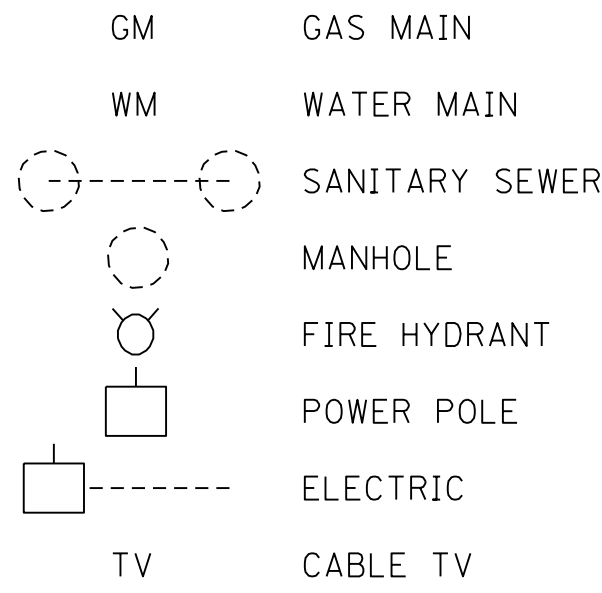


RECOMMENDED FOR APPROVAL	<u>David A. Henkel</u>	9/03/2013
DESIGN ENGINEER		DATE
DESIGNED: <u>RLH</u>	DRAWN: <u>CER</u>	
CHECKED: <u>DAH</u>	CHECKED: <u>DAH</u>	

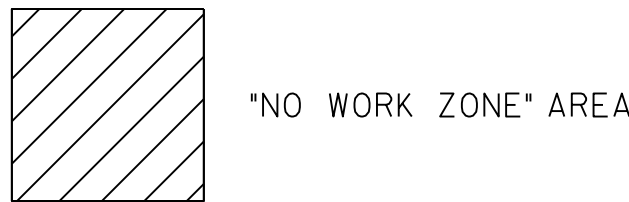
INDIANA
DEPARTMENT OF TRANSPORTATION
SECTION 3 - ORB DOWNTOWN
TITLE SHEET

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION 0300798
SURVEY BOOK	PROJECT 0300798
CONTRACT	SHEET NO. 318001b DRAWING NO.

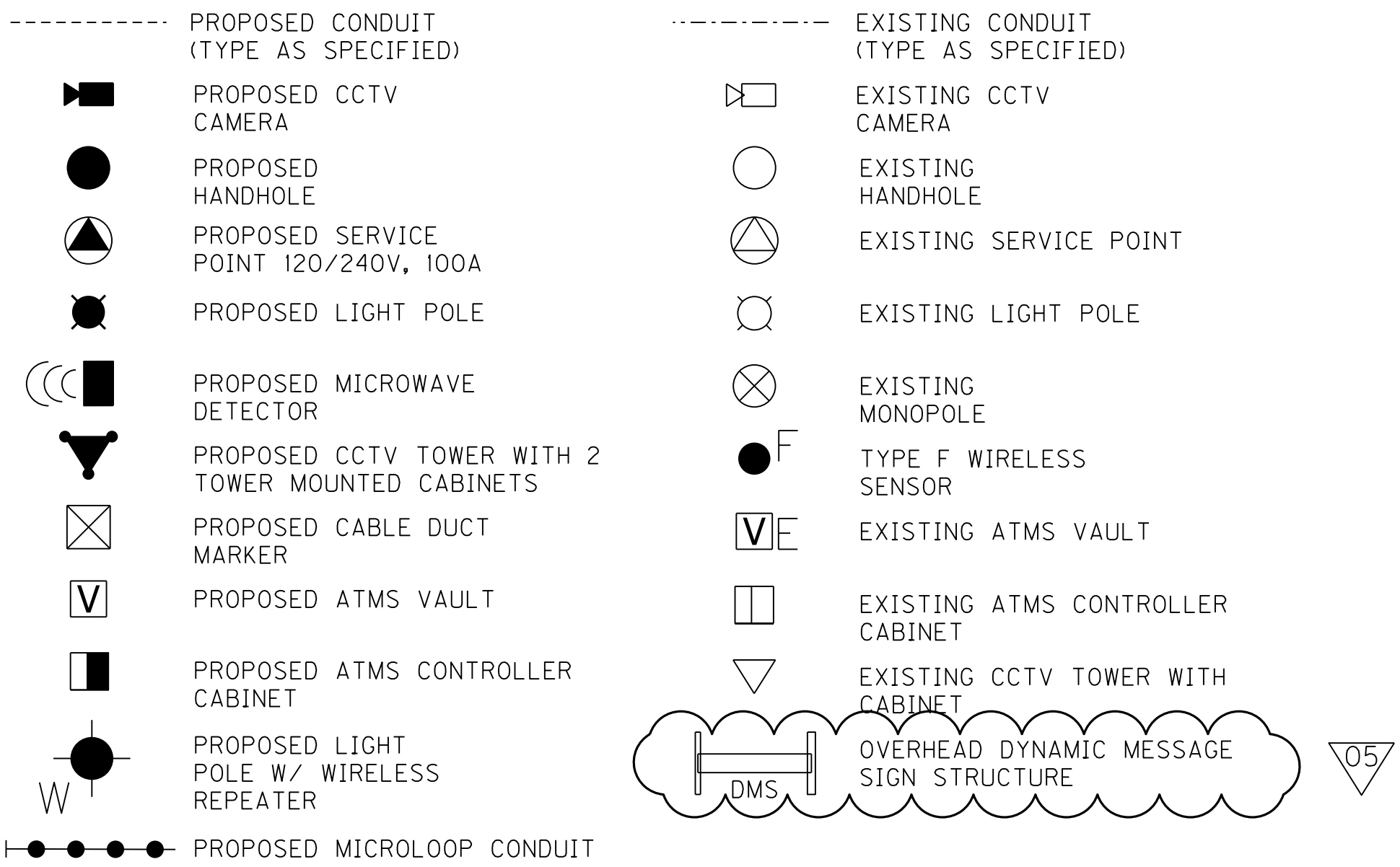
EXISTING UTILITY LEGEND



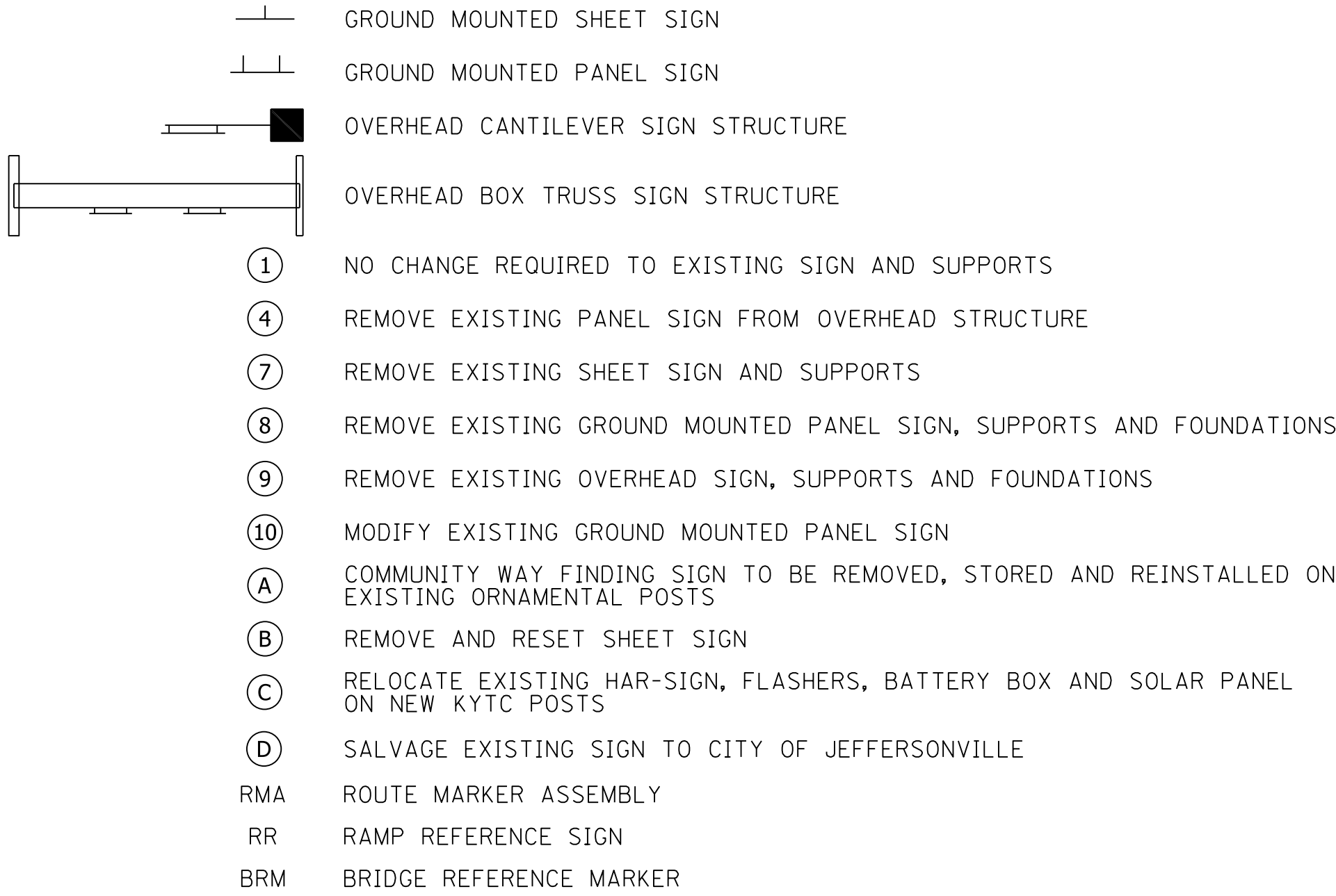
GENERAL LEGEND



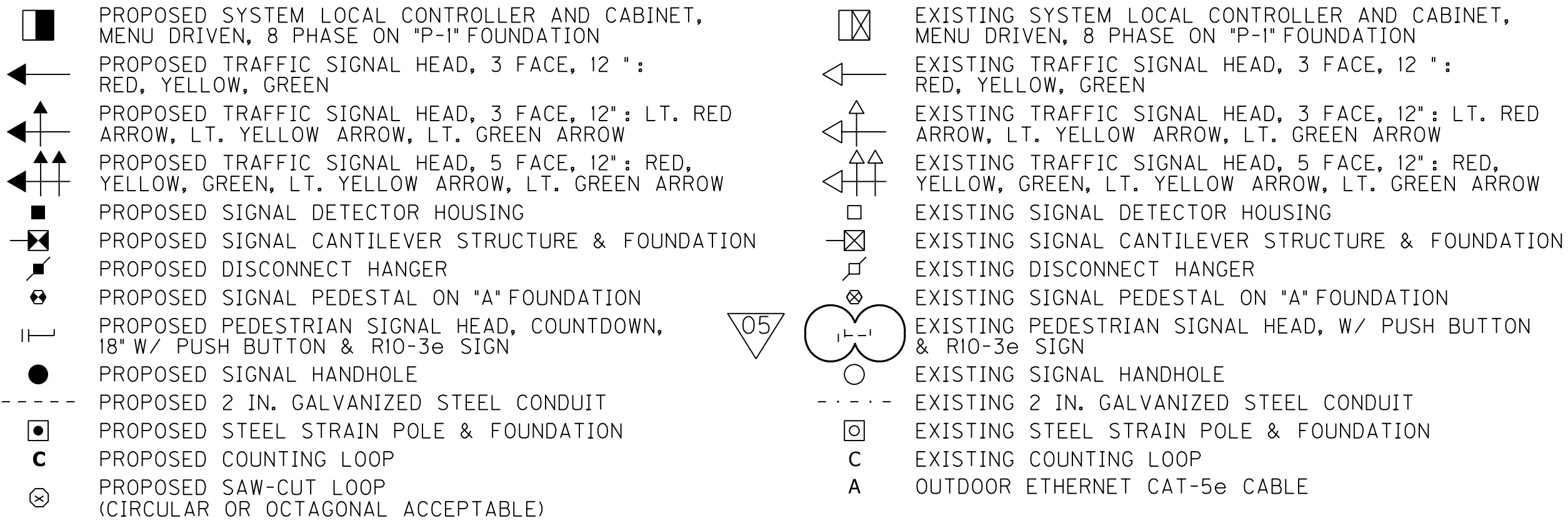
ATMS EQUIPMENT LEGEND



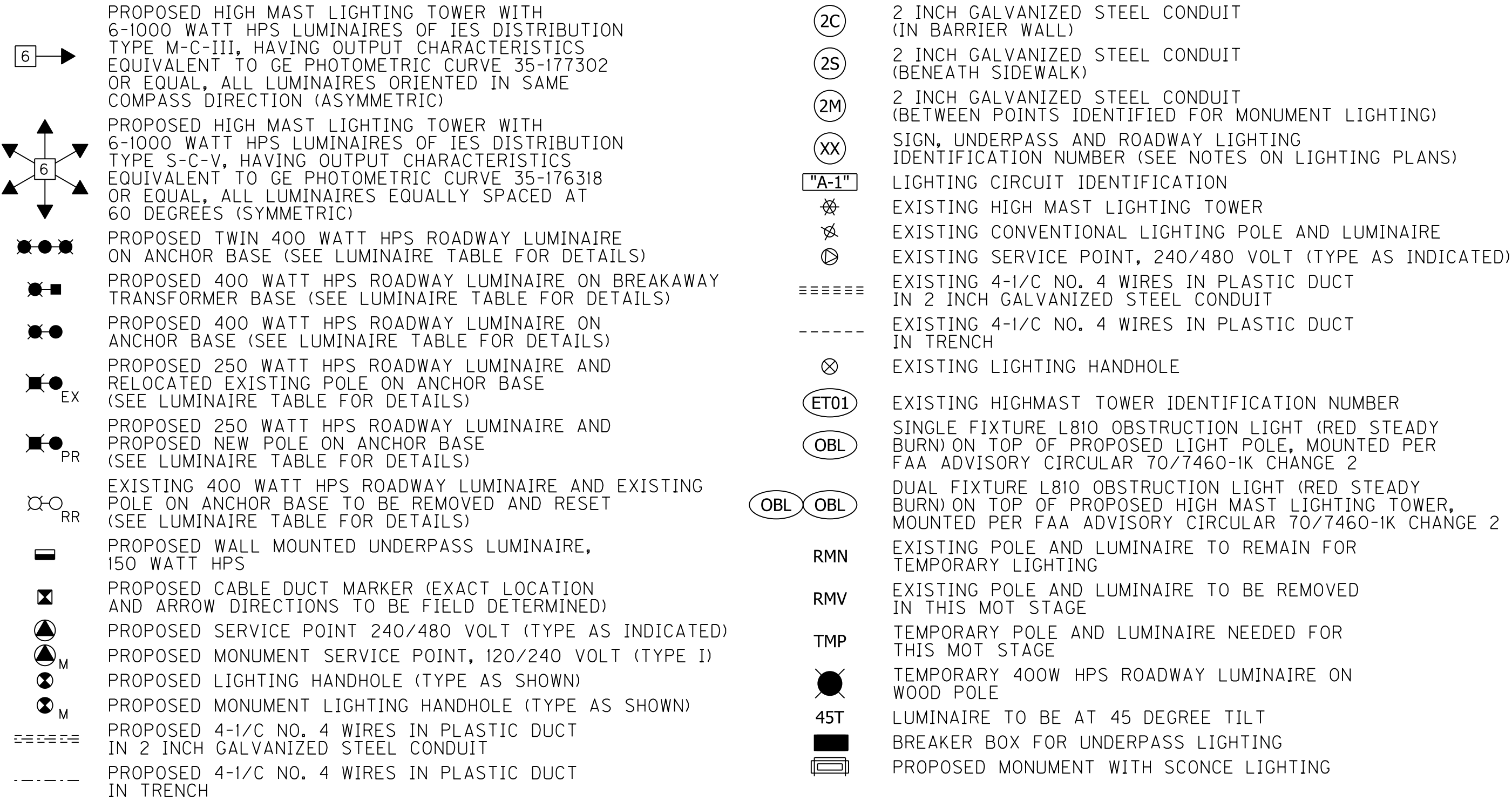
SIGNAGE LEGEND



SIGNALIZATION LEGEND



LIGHTING LEGEND



PREPARED BY

BRIDGES

THE OHIO RIVER

WALSH MILLSSTONE JACOBS

DAVID A. HENDEL
REGISTERED
No.
60910340
STATE OF
INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER

4/1/2014

DATE

DESIGNED: RLH

DRAWN: CER

CHECKED: DAH

CHECKED: DAH

INDIANA
DEPARTMENT OF TRANSPORTATION

SECTION 3 - ORB DOWNTOWN

TRAFFIC PLANS LEGEND

HORIZONTAL SCALE

NONE

VERTICAL SCALE

NONE

SURVEY BOOK

CONTRACT

BRIDGE FILE

DESIGNATION

0300798

PROJECT

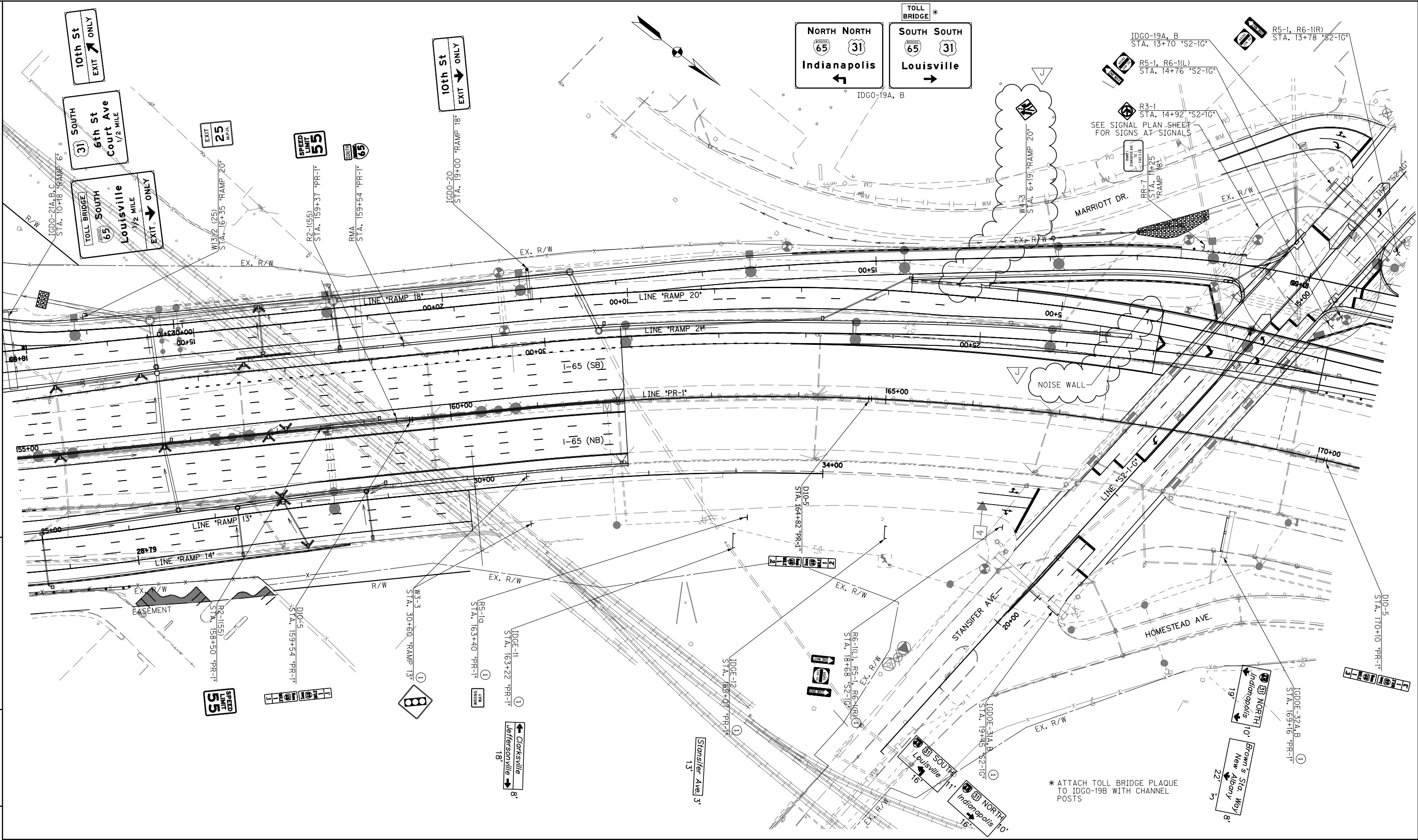
0300798

SHEET NO. 31800406

DRAWING NO.

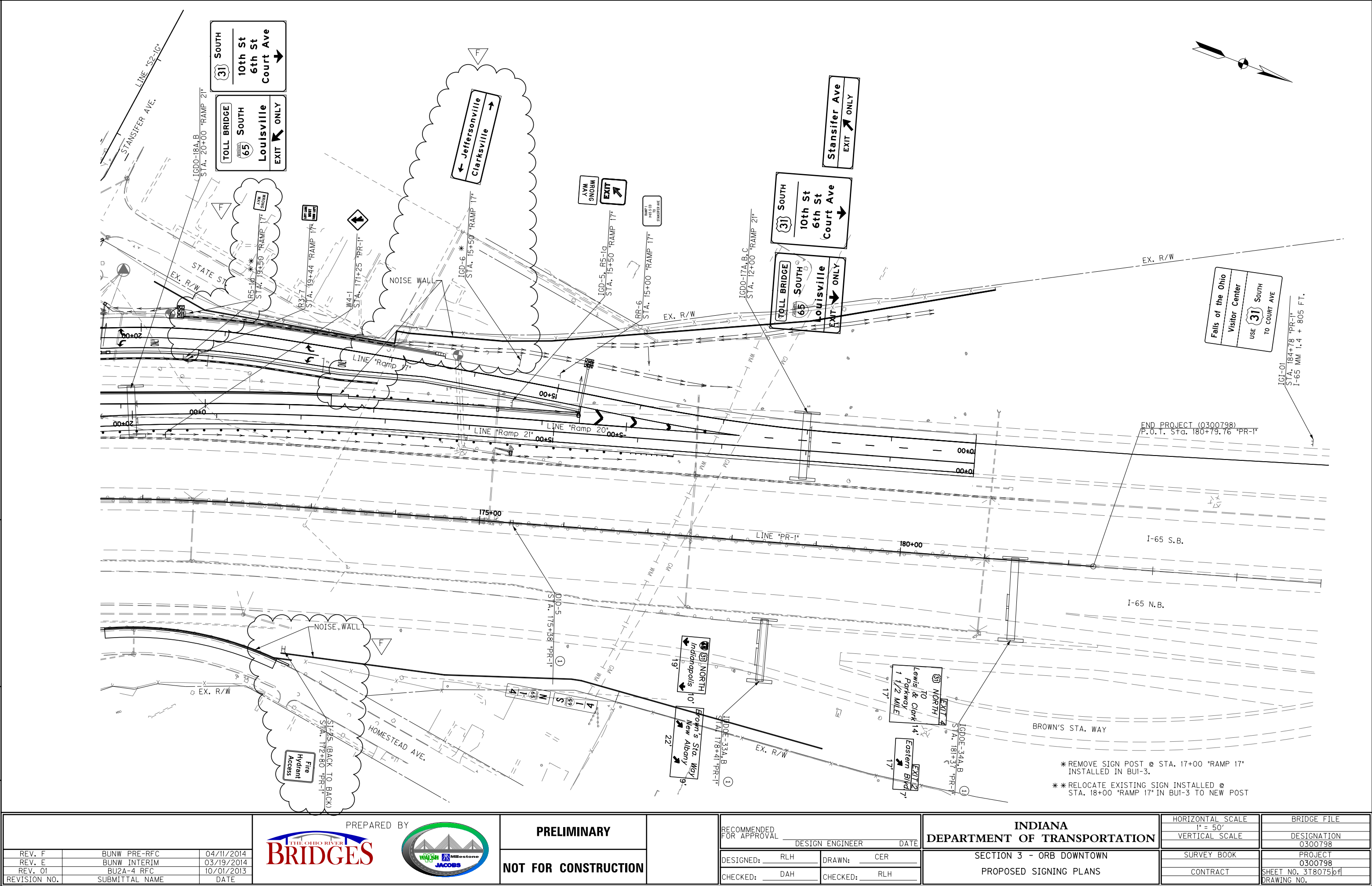
REV. 05	BU4-1 RFC	04/01/2014
REVISION NO.	SUBMITTAL NAME	DATE

MicroStation v8.11.9.357 MODEL NAME:TSN-65 BUNW DATE PLOTTED: 4/7/2014 1:19:31 PM FILE NAME: ... \dms09867.S3_TSN-65.dgn

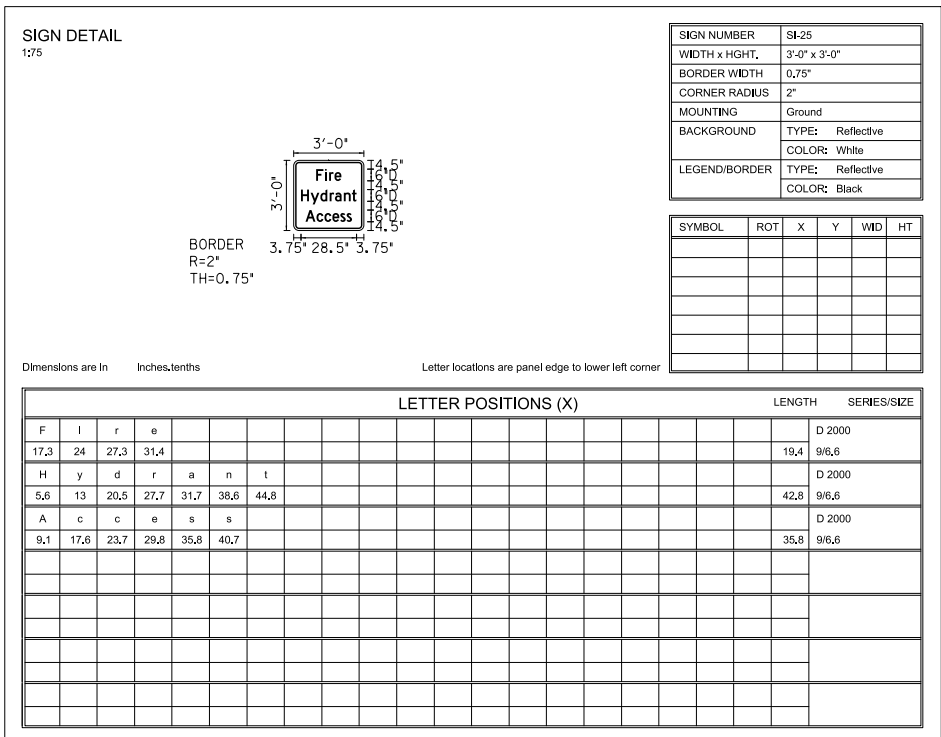
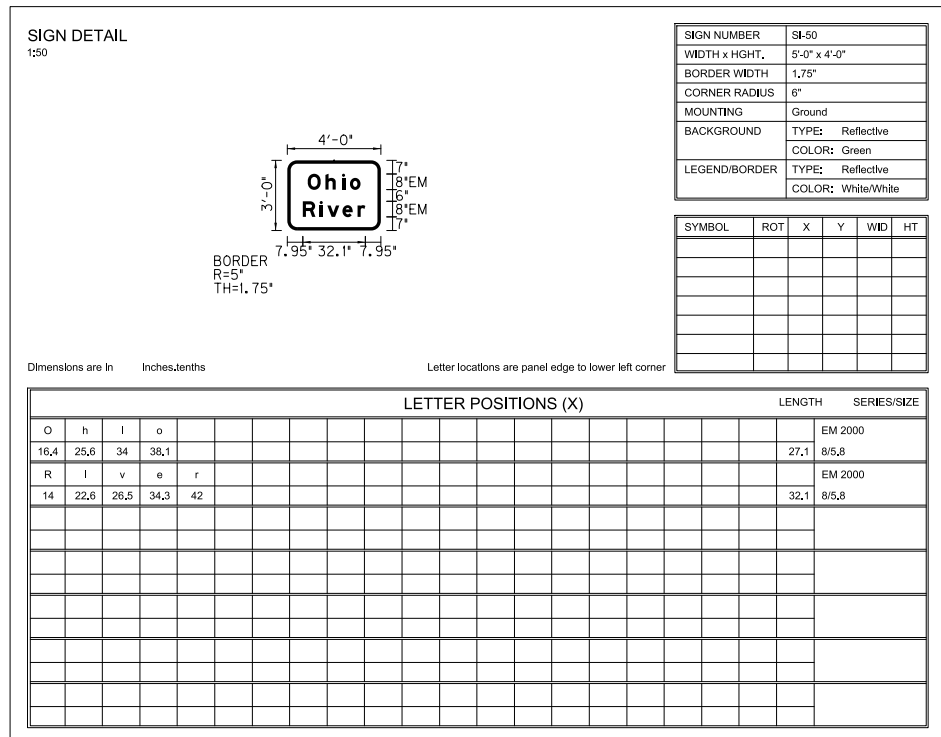
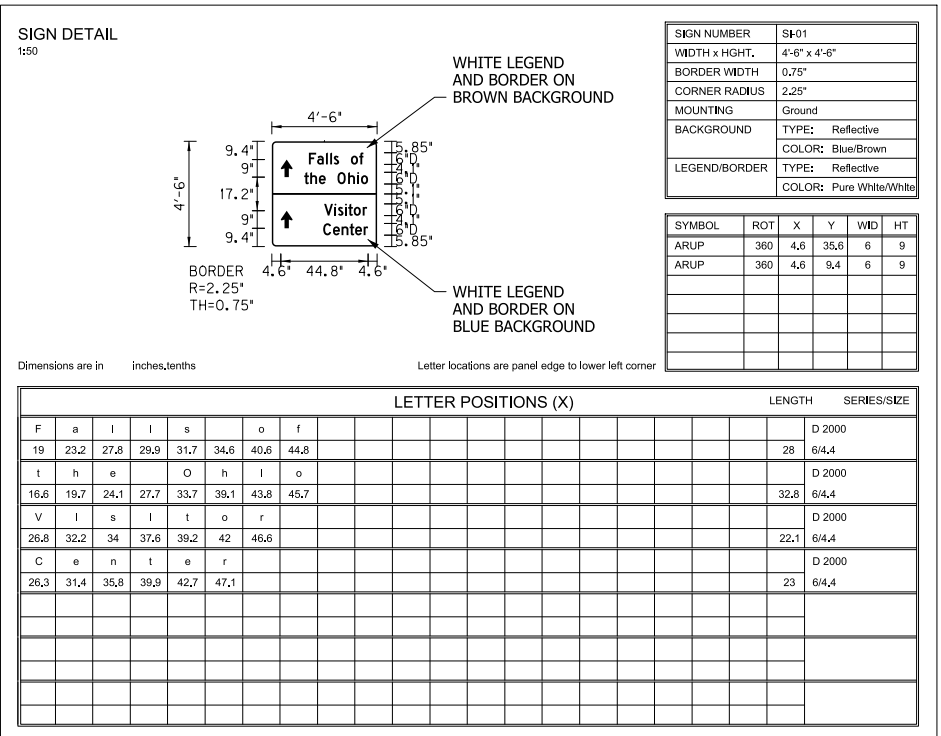
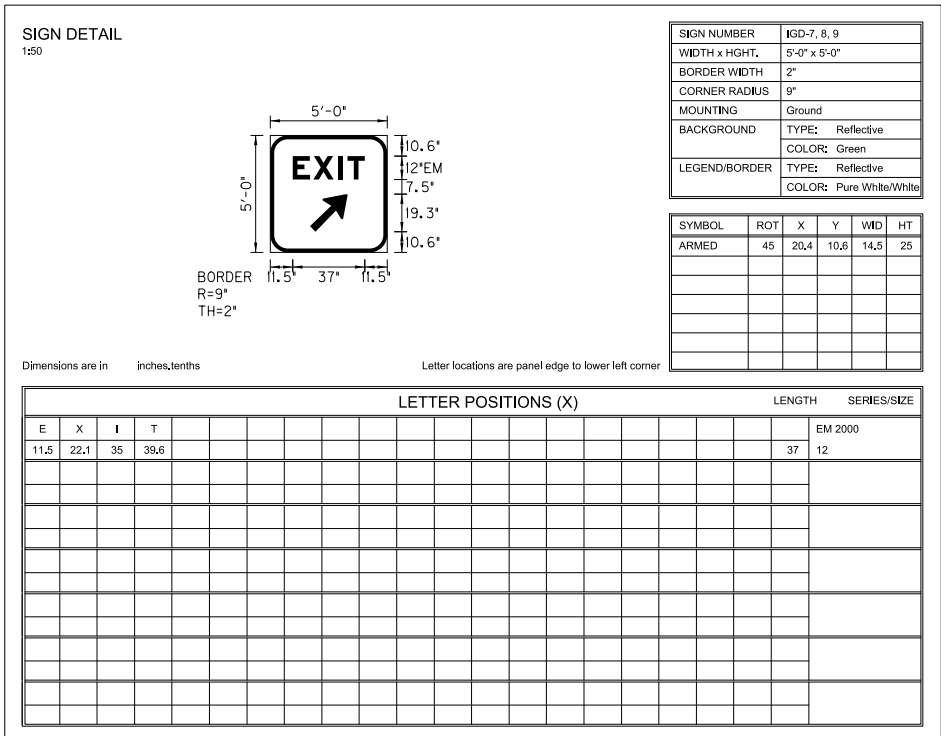
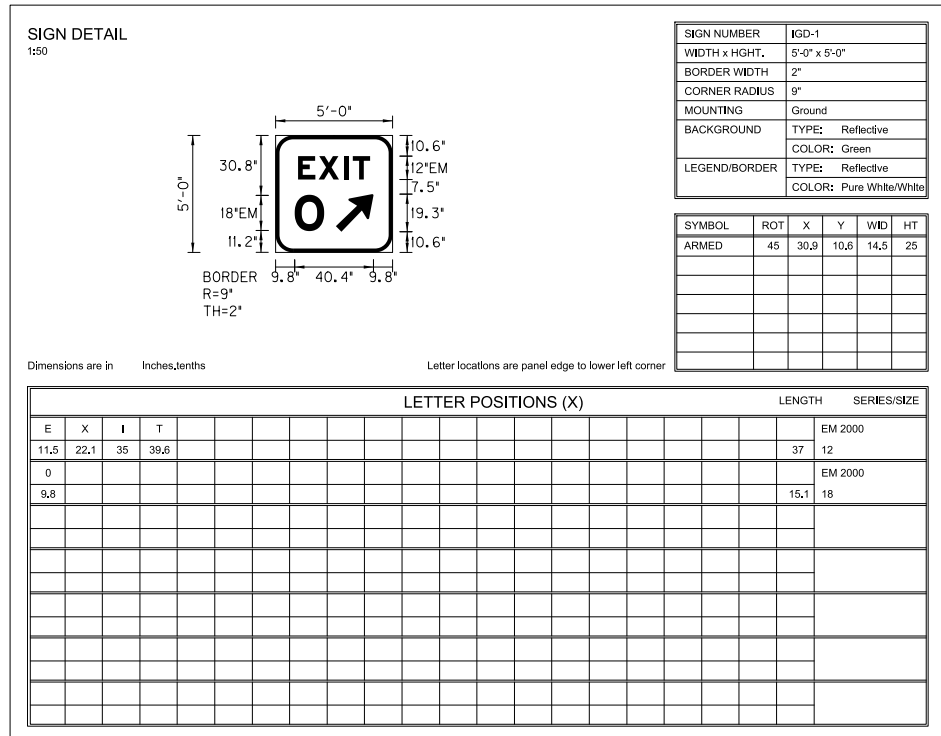


* ATTACH TOLL BRIDGE PLAQUE TO IDG0-19B WITH CHANNEL POSTS

REV. J REV. 03 REVISION NO.			BUNW PRE-RFC BU4-1 RFC SUBMITTAL NAME		04/11/2014 04/01/2014 DATE		PREPARED BY  		PRELIMINARY NOT FOR CONSTRUCTION		RECOMMENDED FOR APPROVAL DESIGN ENGINEER DATE		DESIGNED: RLH DRAWN: CER CHECKED: DAH CHECKED: RLH		INDIANA DEPARTMENT OF TRANSPORTATION SECTION 3 - ORB DOWNTOWN PROPOSED SIGNING PLANS		HORIZONTAL SCALE 1" = 50' VERTICAL SCALE		BRIDGE FILE DESIGNATION 0300798 PROJECT 0300798 SHEET NO. 3180746f DRAWING NO.	
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REV. F BUNW PRE-RFC 04/11/2014 REV. E BUNW INTERIM 03/19/2014 REV. 01 BU2A-4 RFC 10/01/2013 REVISION NO. SUBMITTAL NAME DATE			PREPARED BY 	PRELIMINARY	RECOMMENDED FOR APPROVAL DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 50' VERTICAL SCALE	BRIDGE FILE DESIGNATION 0300798
				NOT FOR CONSTRUCTION			DESIGNED: RLH DRAWN: CER CHECKED: DAH CHECKED: RLH	SECTION 3 - ORB DOWNTOWN PROPOSED SIGNING PLANS



SHEET SIGN & POST SUMMARY

SIGN

POST

LINE	SIGN LOCATION (STA.)	SIGN CODE	SIGN SIZE W x H in X in			SHEETING METAL THICKNESS 0.08 in 0.10 in 0.125 in			SQUARE												REMARKS
									Type 1 (2.25 x 2.25 x 0.105)			Type 2 (2 x 2 x 0.105)			Type 3 (2.50 x 2.50 x 0.105)			Type 3 (2.50 x 2.50 x 0.105)			
									REINFORCED			REINFORCED			UNREINFORCED			REINFORCED			
									POST LENGTH (ft)			POST LENGTH (ft)			POST LENGTH (ft)			POST LENGTH (ft)			
									1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	
"RAMP 1"	24+00	RR-1	42	X	30				X												
	25+00	OM4-1	18	X	18	X			X												
	25+00	OM4-1	18	X	18	X			X												
	26+60	R5-1a	42	X	30				X												
	26+60	R5-1a	42	X	30				X												
	29+60	R6-1L	54	X	18				MOUNTED WITH R5-1												
	29+60	R6-1R	54	X	18				MOUNTED WITH R5-1												
	29+60	R5-1	36	X	36							X	X								
"PRS-1"	21+07	R3-1	36	X	36				X												
	22+10	R3-2	36	X	36				MAST ARM MOUNTED												
	22+15	R6-1L	54	X	18				MOUNTED WITH R5-1												
	22+15	R6-1R	54	X	18				MOUNTED WITH R5-1												
	22+15	R5-1	36	X	36							X	X								
"S2-1G"	13+70	M1-1(65)	36	X	36	X			MOUNTED ON IGDO-19A												
	13+70	M1-4(31)	36	X	36	X			MOUNTED ON IGDO-19A												
	13+70	M1-1(65)	36	X	36	X			MOUNTED ON IGDO-19B												
	13+70	M1-4(31)	36	X	36	X			MOUNTED ON IGDO-19B												
	14+25	RMA							SIGNAL SPAN MOUNTED												
		M3-3	30	X	15	X															
		M1-4(31)	36	X	36																
		M6-1L	21	X	15	X															
	14+25	RMA							SIGNAL SPAN MOUNTED												
		M3-3	30	X	15	X															
		M4-15(MOD)	36	X	30																
		M1-1(65)	36	X	36																
		M6-1L	21	X	15	X															
"RAMP 17"	19+50	R5-1a	42	X	30				X												
	19+50	R5-1a	42	X	30				X												
	19+44	R3-7	30	X	30	X			X												
"PR-1"	112+50	R3-8	30	X	36	X			X												
	118+50	M1-1(65)	36	X	36	X			MOUNTED ON IGDO-3A												
	123+00	R5-1a	42	X	30				MOUNTED ON IGD-3												
	172+80	SI-25	36	X	36				X												
	172+80	SI-25	36	X	36				MOUNTED BACK TO BACK WITH SI-25												
"PRS-1"	21+10	R3-2	36	X	36				MAST ARM MOUNTED												
	21+25	D3-1-1	84	X	24				MAST ARM MOUNTED												
	22+15	R10-12	30	X	36	X			MAST ARM MOUNTED												
"RAMP 9"	23+00	W13-2(30)	48	X	60							X	X								
	35+75	W1-8	36	X	48							X	X								
	36+55	W1-8	36	X	48							X	X								
	37+35	W1-8	36	X	48							X	X								
	38+00	W3-3	36	X	36				X												
	38+00	R5-1	36	X	36				MOUNTED WITH W3-3												
	38+00	W3-3	36	X	36				X												
	38+00	R5-1	36	X	36				MOUNTED WITH W3-3												
"BROWNS STA. WAY"	1/2 MI N.	M1-1(65)	36	X	36	X			MOUNTED ON IGD-15										1100 FT. EAST OF RANDOLPH AVE.		
	1/2 MI N.	M4-15 MOD.	132	X	24	X			MOUNTED ON IGD-15										1100 FT. EAST OF RANDOLPH AVE.		
	1 MI N.	M1-1(65)	36	X	36	X			MOUNTED ON IGD-96										1750 FT. WEST OF RANDOLPH AVE.		
	1 MI N.	M4-15 MOD.	132	X	24	X			MOUNTED ON IGD-96										1750 FT. WEST OF RANDOLPH AVE.		
		W4-2	36	X	36				X										1500 FT. EAST OF RANDOLPH AVE.		
		W9-1	36	X	36				X										1000 FT. EAST OF RANDOLPH AVE.		



PRELIMINARY

NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____

DESIGNED: _____ RLH _____

CHECKED: _____ DAH _____

DESIGN ENGINEER _____ DATE _____

DRAWN: _____ CER _____

CHECKED: _____ RLH _____

INDIANA
DEPARTMENT OF TRANSPORTATION

SECTION 3 - ORB DOWNTOWN

SHEET SIGN SUMMARY

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION 0300798
SURVEY BOOK	PROJECT 0300798
CONTRACT	SHEET NO. 3T8152 b1f DRAWING NO.

REV. I	BUNW PRE-RFC	04/11/2014
REV. H	BUNW INTERIM	03/19/2014
REV. 01	BU2A-3 RFC	09/03/2013
REVISION NO.	SUBMITTAL NAME	DATE

FILE NAME: ... \dms09867\33_TSS-03.dgn

2:40:01 PM

USER: cralr-don
DATE PLOTTED: 4/9/2014

MODEL NAME: TSS-03 BUNW

MicroStation v8.11.9.357

SIGN							POST											REMARKS		
LINE	SIGN LOCATION (STA.)	SIGN CODE	SIGN SIZE W x H in X in		SHEETING METAL THICKNESS			SQUARE												
					0.08 in ft²	0.10 in ft²	0.125 in ft²	Type 1 (2.25 x 2.25 x 0.105)			Type 2 (2 x 2 x 0.105)			Type 3 (2.50 x 2.50 x 0.105)			Type 3 (2.50 x 2.50 x 0.105)			
								REINFORCED POST LENGTH (ft)			REINFORCED POST LENGTH (ft)			UNREINFORCED POST LENGTH (ft)			REINFORCED POST LENGTH (ft)			
							1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	2	TOTAL		
"PR-1"	171+25	W4-1R	48	X	48		X													
	MM1.4 + 805 FT.	M1-4(31)	36	X	36	X				MOUNTED ON IGI-01		X								
	MM1.8 - 45 FT.	M1-4(31)	36	X	36	X				MOUNTED ON IGDO-14A										
	MM2.0 + 680 FT.	M4-15 MOD.	132	X	24	X				MOUNTED ON IGDO-13A										
	MM2.0 + 680 FT.	M1-1(65)	36	X	36	X				MOUNTED ON IGDO-13A										
	MM2.0 + 680 FT.	M1-4(31)	36	X	36	X				MOUNTED ON IGDO-13B										
	MM2.4 + 235 FT.	M1-4(31)	36	X	36	X				MOUNTED ON IGDO-12A										
	MM3.0 - 90 FT.	M1-4(31)	36	X	36	X				MOUNTED ON IGDO-11A										
	MM3.4 + 520 FT.	M4-15 MOD.	132	X	24	X				MOUNTED ON IGDO-10A										
	MM3.4 + 520 FT.	M1-1(65)	36	X	36	X				MOUNTED ON IGDO-10A										
	MM3.4 + 520 FT.	M1-4(31)	36	X	36	X				MOUNTED ON IGDO-10B										
"RAMP 14"	13+50	W13-3(40)	48	X	60		X				X	X								
"RAMP 17"	15+00	RR-6	48	X	30		X			X										
"RAMP 19"	35+68	W4-6	48	X	48		X				X	X								
"RAMP 20"	6+19	W4-3R	48	X	48		X			BARRIER WALL MOUNTED										
"RAMP 21"	12+00	M4-15 MOD.	132	X	24	X				MOUNTED ON IGDO-17A										
	12+00	M1-1(65)	36	X	36	X				MOUNTED ON IGDO-17A										
	12+00	M1-4(31)	36	X	36	X				MOUNTED ON IGDO-17B										
	15+50	R5-1a	42	X	30		X			MOUNTED ON IGD-5										
	20+00	M4-15 MOD.	132	X	24	X				MOUNTED ON IGDO-18A										
	20+00	M1-1(65)	36	X	36	X				MOUNTED ON IGDO-18A										
	20+00	M1-4(31)	36	X	36	X				MOUNTED ON IGDO-18B										
"US 31"	12+05	RMA								MOUNTED ON EXISTING MONOTUBE										
		M3-1	24	X	12	X														
		M1-4(31)	24	X	24	X														
		M6-3	21	X	15	X														
	18+75	M1-1(65)	36	X	36	X				MOUNTED ON IGDO-29A										
	18+75	M1-4(31)	36	X	36	X				MOUNTED ON IGDO-29A										
	19+00	W4-3R	36	X	36		X			BARRIER WALL MOUNTED										
	22+50	R2-1(35)	36	X	48		X			BARRIER WALL MOUNTED										
"RAMP 10"	13+00	D9-6	24	X	24	X				BARRIER WALL MOUNTED										
	13+00	M6-3	21	X	15	X				MOUNTED WITH D9-6										
	14+00	R5-1a	42	X	30		X			X								WHITE ON BLUE		
	14+50				</															

MicroStation v8.11.9.357

REV. 1	BUNW PRE-RFC	04/11/2014
REV. 03	BU4-1 RFC	04/01/2014
REVISION NO.	SUBMITTAL NAME	DATE

PREPARED BY



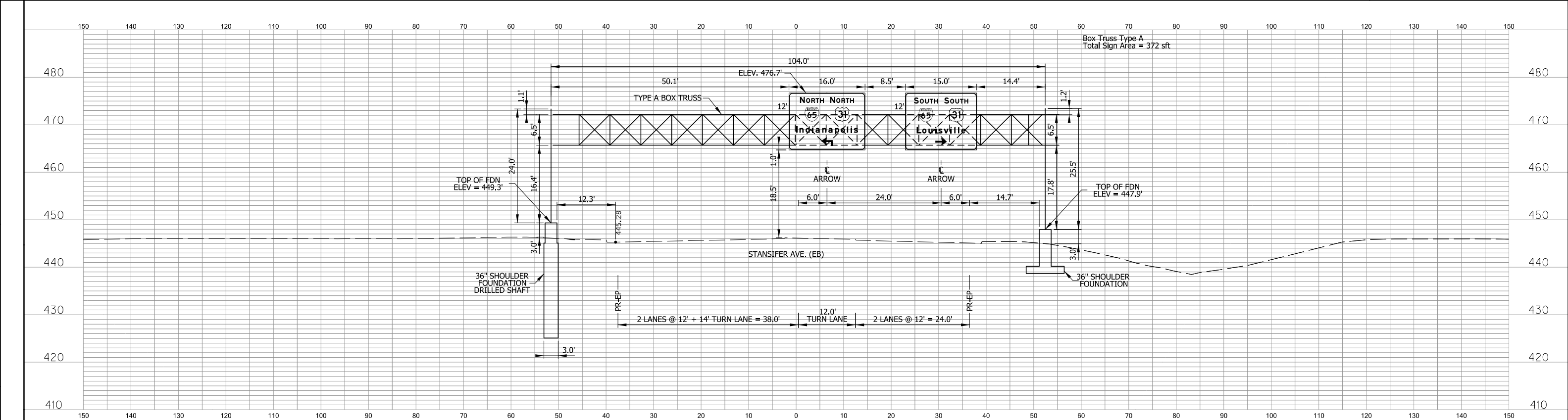

PRELIMINARY

NOT FOR CONSTRUCTION

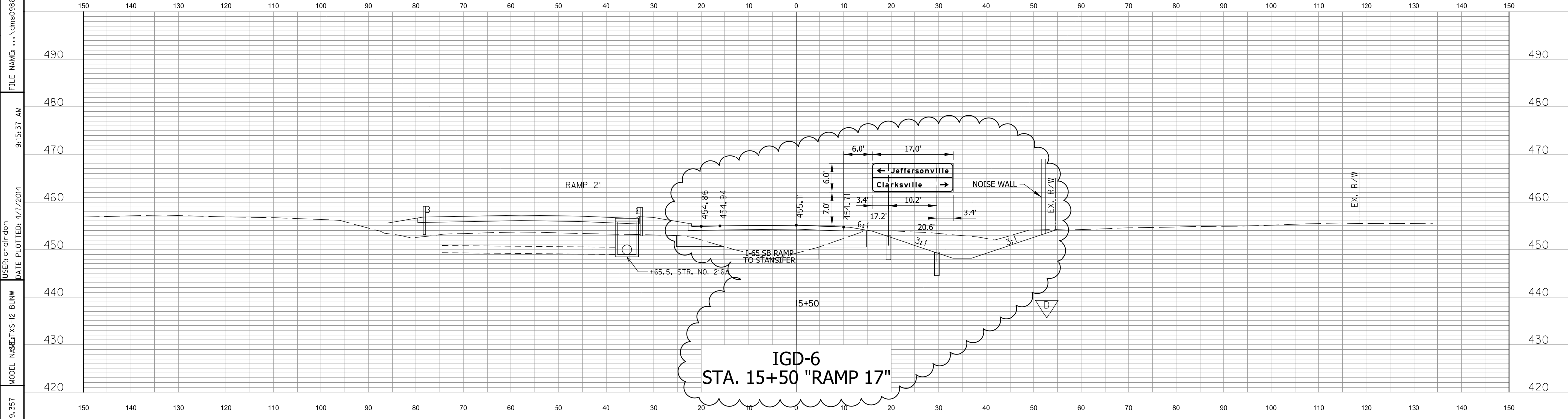
RECOMMENDED FOR APPROVAL		DESIGN ENGINEER	DATE
DESIGNED: RLH	DRAWN: CER		
CHECKED: DAH	CHECKED: RLH		

INDIANA DEPARTMENT OF TRANSPORTATION
SECTION 3 - ORB DOWNTOWN
SHEET SIGN SUMMARY

HORIZONTAL SCALE N/A	BRIDGE FILE
VERTICAL SCALE N/A	DESIGNATION 0300798
SURVEY BOOK	PROJECT 0300798
CONTRACT	SHEET NO. 3T8153 of DRAWING NO.

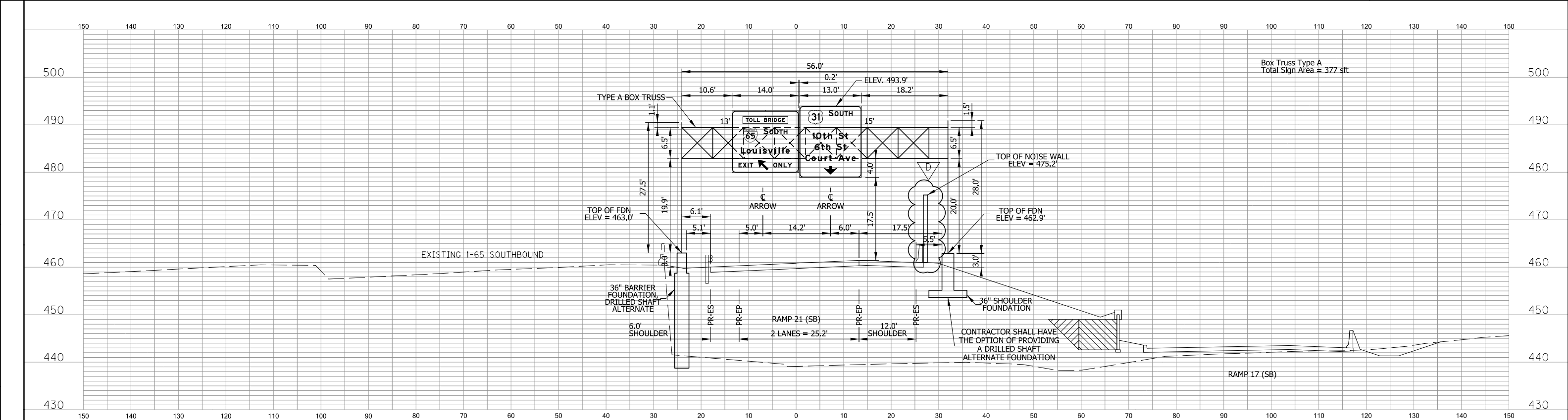


IGDO-19A,B
STA. 13+70 "S2-1G"

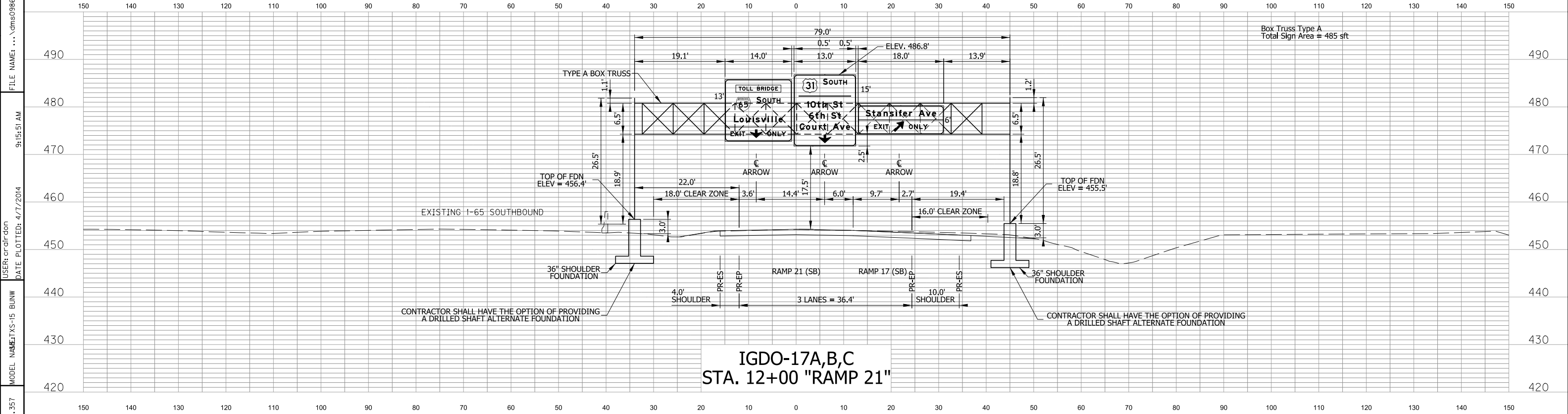


IGD-6
STA. 15+50 "RAMP 17"

MicroStation v8.11.9.357			FILE NAME: ... \dms09867\33_TXS-12.dgn		9:15:37 AM		DATE PLOTTED: 4/7/2014		USER: crd\rdon		MODEL NAME: TXS-12_BUNW	
REV. D			BUNW PRE-RFC		04/11/2014		REV. C		BUNW INTERIM		03/19/2014	
REV. 00			RFC SUBMITTAL		06/28/2013		REVISION NO.		SUBMITTAL NAME		DATE	
PREPARED BY			BRIDGES		WWSH Mllstone JACOBS		PRELIMINARY		RECOMMENDED FOR APPROVAL		DESIGN ENGINEER	
NOT FOR CONSTRUCTION			DESIGNED: RLH		DRAWN: CER		CHECKED: DAH		CHECKED: RLH		INDIANA DEPARTMENT OF TRANSPORTATION	
											SECTION 3 - ORB DOWNTOWN	
											PANEL SIGN CROSS SECTION	
											HORIZONTAL SCALE	
											1" = 10'	
											VERTICAL SCALE	
											1" = 10'	
											SURVEY BOOK	
											CONTRACT	
											BRIDGE FILE	
											DESIGNATION	
											0300098	
											PROJECT	
											0300798	
											SHEET NO. 3T8181 of 1	
											DRAWING NO.	



IGDO-18A,B
STA. 20+00 "RAMP 21"



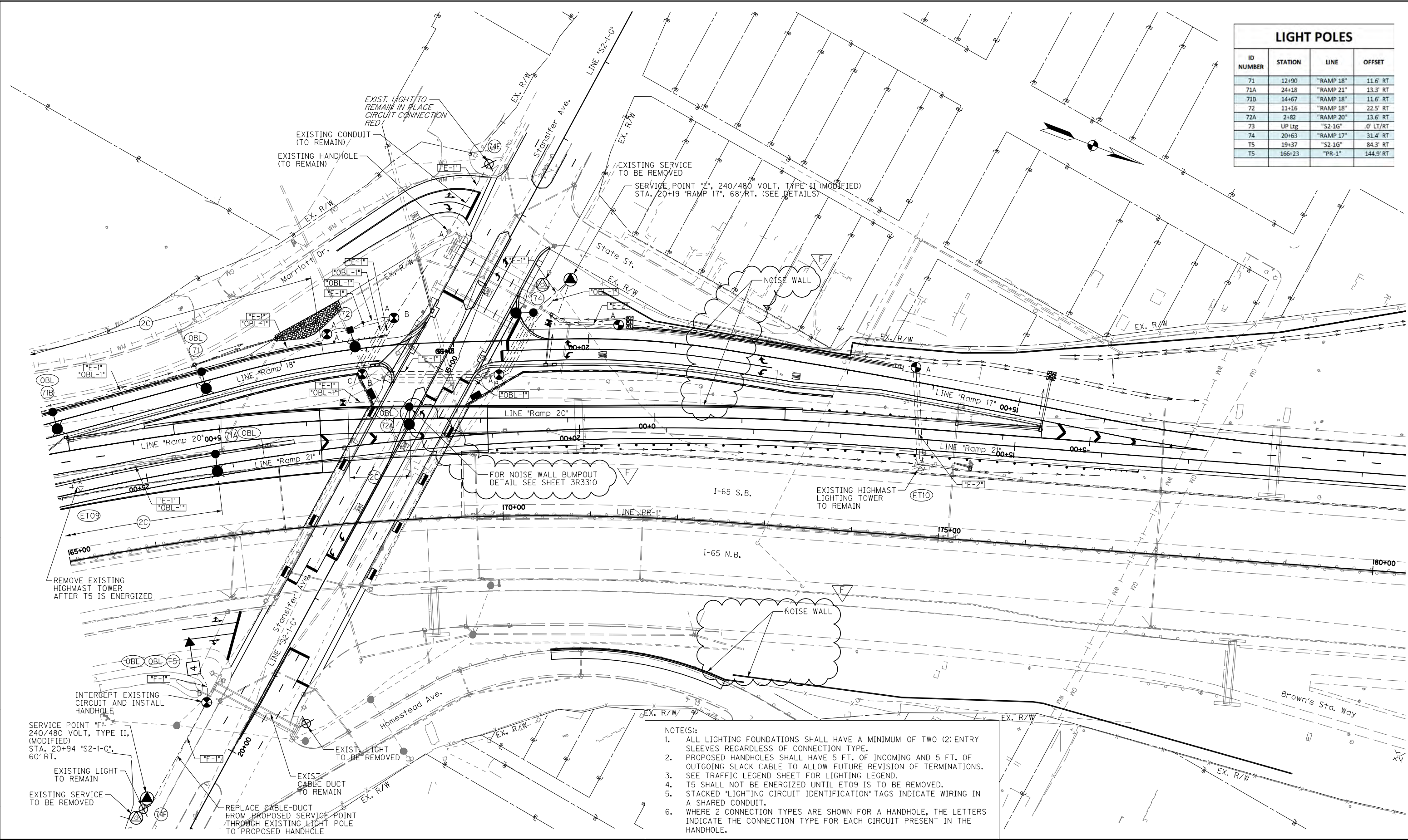
IGDO-17A,B,C
STA. 12+00 "RAMP 21"

MicroStation v8.11.9.357

			PREPARED BY				PRELIMINARY			RECOMMENDED FOR APPROVAL		INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE 1" = 10'		BRIDGE FILE	
							NOT FOR CONSTRUCTION			DESIGN ENGINEER		DATE		SECTION 3 - ORB DOWNTOWN		VERTICAL SCALE 1" = 10'	
REV. D			BUNW PRE-RFC			04/11/2014			DESIGNED: RLH		DRAWN: CER		PROJECT 0300798		SURVEY BOOK		
REV. C			BUNW INTERIM			03/19/2014			CHECKED: DAH		CHECKED: RLH		PANEL SIGN CROSS SECTIONS		CONTRACT		
REV. 00			BU2A-4 RFC			11/12/2013									SHEET NO. 3T8184 b of		
REVISION NO.			SUBMITTAL NAME			DATE									DRAWING NO.		

FILE NAME: ... \dms09865\33_TLT_PL-05.dgn
9:17:28 AM
USER: crairdon
DATE PLOTTED: 4/7/2014
MODEL NAME: TLT_PL-05 BUNW
MicroStation v8.11.9.357

LIGHT POLES			
ID NUMBER	STATION	LINE	OFFSET
71	12+90	"RAMP 18"	11.6' RT
71A	24+18	"RAMP 21"	13.3' RT
71B	14+67	"RAMP 18"	11.6' RT
72	11+16	"RAMP 18"	22.5' RT
72A	2+82	"RAMP 20"	13.6' RT
73	UP Ltg	"S2-1G"	.0' LT/RT
74	20+63	"RAMP 17"	31.4' RT
T5	19+37	"S2-1G"	84.3' RT
T5	166+23	"PR-1"	144.9' RT



REV. F BUNW PRE-RFC 04/11/2014			PREPARED BY THE OHIO RIVER BRIDGES WASH M JACOBS	PRELIMINARY	RECOMMENDED FOR APPROVAL DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 50'	BRIDGE FILE
REV. E BUNW INTERIM 03/19/2014	DESIGNED: REH	DRAWN: JRC					VERTICAL SCALE	DESIGNATION 0300798
REV. 02 BU2A-4 RFC REVISION (FAA LTG) 02/11/2014	CHECKED: DAH	CHECKED: REH	SECTION 3 - ORB DOWNTOWN	SURVEY BOOK	PROJECT 0300798			
REVISION NO. SUBMITTAL NAME DATE			PROPOSED LIGHTING PLANS	CONTRACT	SHEET NO. 318404b DRAWING NO.			