PROJECT	DESIGNATION
1702829	1702829
CONTRACT	
R-41173	

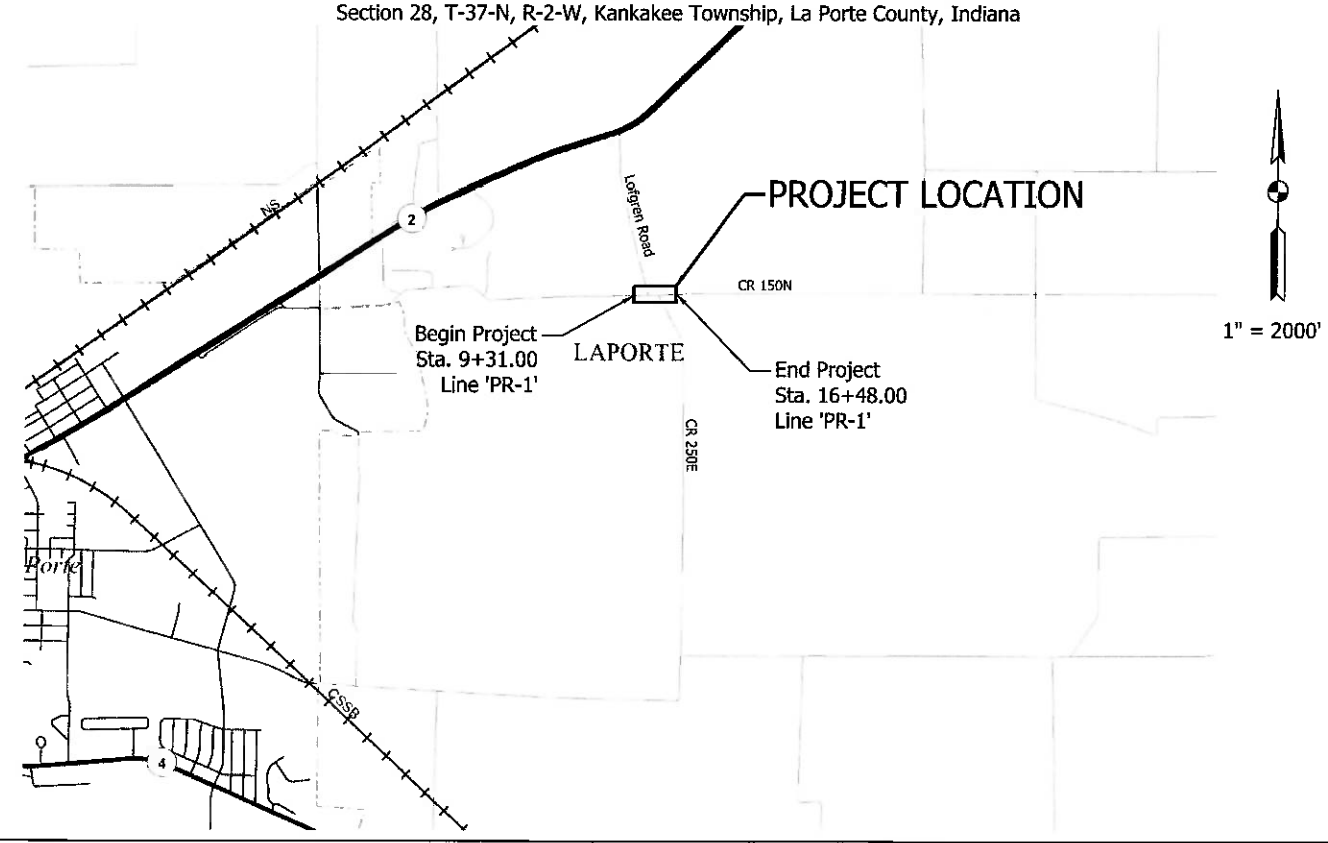
INDIANA DEPARTMENT OF TRANSPORTATION

ROAD PLANS

INTERSECTION SIGHT DISTANCE IMPROVEMENT
CR 150N at LOFGREN ROAD / CR 250E

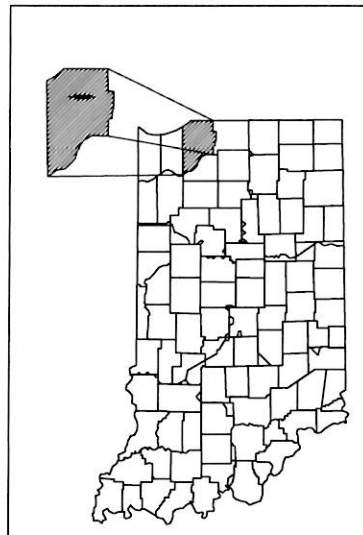
PROJECT NO.....1702829 P.E.
1702829 R/W
1702829 CONST.

Intersection Improvement on CR 150N at Lofgren Road / CR 250E
Located 0.69 Miles South of SR 2
Section 28, T-37-N, R-2-W, Kankakee Township, La Porte County, Indiana



TRAFFIC DATA		
A.A.D.T.	2021	634 V.P.D.
A.A.D.T.	2041	830 V.P.D.
D.H.V	(2041)	92 V.P.H.
DIRECTIONAL DISTRIBUTION		67 %
TRUCKS		100 A.A.D.T.
		10 D.H.V.

DESIGN DATA	
DESIGN SPEED	35 M.P.H.
PROJECT DESIGN CRITERIA	4R (NON-FREEWAY) LOCAL ROUTE
FUNCTIONAL CLASSIFICATION	COLLECTOR
RURAL/URBAN	RURAL
TERRAIN	ROLLING
ACCESS CONTROL	NONE



PROJECT LOCATION SHOWN BY —
LA PORTE COUNTY

LATITUDE: 41.6290°N LONGITUDE: 86.6527°W

GROSS LENGTH: 0.15 MI.
NET LENGTH: 0.15 MI.
MAX. GRADE: 6.07% %

HUC #: 07120001010120

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2020
TO BE USED WITH THESE PLANS

LOCHNER
CONSULTING ENGINEERS & PLANNERS
286 WEST JOHNSON ROAD SUITE D
LA PORTE, IN 46350
219-324-4903 (P)

PLANS PREPARED BY: ADAM HIGGINS, PE — 219-324-4903 PHONE NUMBER
CERTIFIED BY: 01/07/2020 DATE
APPROVED FOR LETTING: INDIANA DEPARTMENT OF TRANSPORTATION DATE

DESIGNATION
1702829

SURVEY BOOK	SHEETS
ELECTRONIC	1 of 31
CONTRACT	PROJECT
R-41173	1702829

Plot: 8/20/2020 7:18 PM AM_PM
File: I:\LPT\PRJ\000014809\03_CADD\01_Sheets\Civil\14809_Lofgren_Title_01.dgn
Model:

UTILITIES

ELECTRIC

NIPSCO Electric
Kaleb Roberts
219-647-5031
kalroberts@nisource.com

WATER

City of LaPorte Utilities
Todd Taylor
219-326-9540
lpwatersuper@comcast.net

NATURAL GAS

NIPSCO Gas
Lisa Taylor
219-647-4912
letaylor@nisource.com

SANITARY SEWER

(None Located)

COMMUNICATIONS

Comcast
William Morris
224-229-5863
William_Morris@comcast.com

Frontier
Alison Buchanan
219-531-9237
alison.buchanan@ftr.com

811. Know what's below. Call before you dig.

INDIANA UNDERGROUND
1-800-382-5544 OR CALL 811
24 HOURS A DAY 7 DAYS A WEEK

Note: Any utilities shown on these plans were located horizontally by 811 locate markers picked up by survey. No depths are assumed, unless data has been gathered by SUE investigation or from data provided directly by the utility.

GENERAL NOTES

1. All earth shoulders, median areas, cut or fill sloped shall be plain or mulched seeded except where sodding is specified.
2. The final cross sections of the grading contract will be the original cross sections of the paving contract. However, partial or complete cross sections shall be taken if necessary to determine the actual excavation quantities.
3. The paper relocation line will be cross sectioned by the Engineer before construction.

INDEX

SHEET NO.	DRAWINGS INDEX
1	TITLE
2	INDEX AND GENERAL NOTES
3	TYPICAL SECTIONS
4	PLAT NO. 1
5	MAINTENANCE OF TRAFFIC
6-7	PLAN AND PROFILE - MAINLINE (CR 150N)
8-9	PLAN AND PROFILE - S-LINES (LOFGREN ROAD AND CR 250E)
10	SUMMARY TABLES
11-31	CROSS SECTIONS

REVISIONS

SHEET NO.	DATE	REVISED

RECOMMENDED FOR APPROVAL $ENG_SIGNATURE$ 01/07/2020
DESIGN ENGINEER DATE

DESIGNED: JS 01/07/2020 DRAWN: JS 01/07/2020
CHECKED: AH 01/07/2020 CHECKED: EW 01/07/2020

INDIANA
DEPARTMENT OF TRANSPORTATION

INDEX SHEET

BRIDGE FILE	N/A
DESIGNATION	1702829
SURVEY BOOK	SHEETS
ELECTRONIC	2 of 31
CONTRACT	PROJECT
R-41173	1702829

Plot: 8/20/2020 3:12 PM $AM_PMS
File: I:\LPT\PRJ\000014809\03_CADD\01_Sheets\Civil\14809_Lofgren_Index_01.dgn
Model:

Proposed Legend

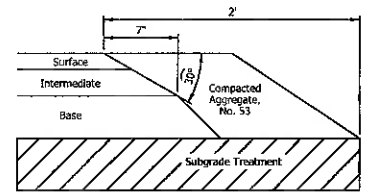
(K) Full Depth Pavement
165#/SYD QC/QA-HMA,_,__, Surface, 9.5 mm (Placed with Overlay) on
330#/SYD QC/QA-HMA,_,__, Intermediate, 19.0 mm, on
605#/SYD QC/QA-HMA,_,__, Base, 19.0 mm, on
Subgrade Treatment Type TBD

(R2) Mill and Overlay
165#/SYD QC/QA-HMA, _, __, Surface, 9.5 mm on
Transition Milling

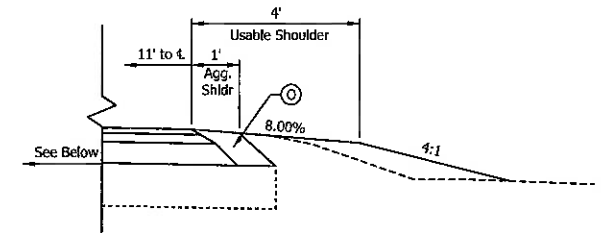
(D) HMA For Approaches:
165#/SYD QC/QA-HMA, _, __, Surface, 9.5 mm on
Variable Depth Wedge and Level on
Transition Milling

(O) Compacted Aggregate Shoulder

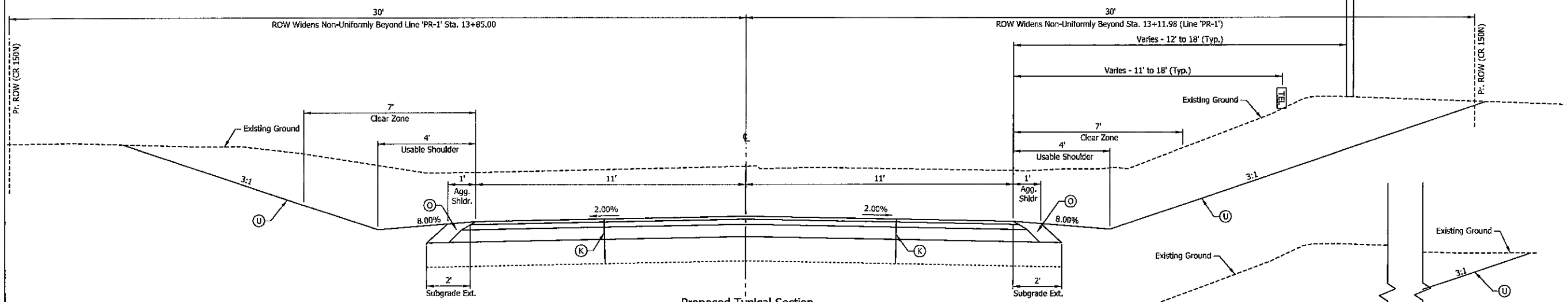
(U) Mulched Seeding Type R on 4" Topsoil



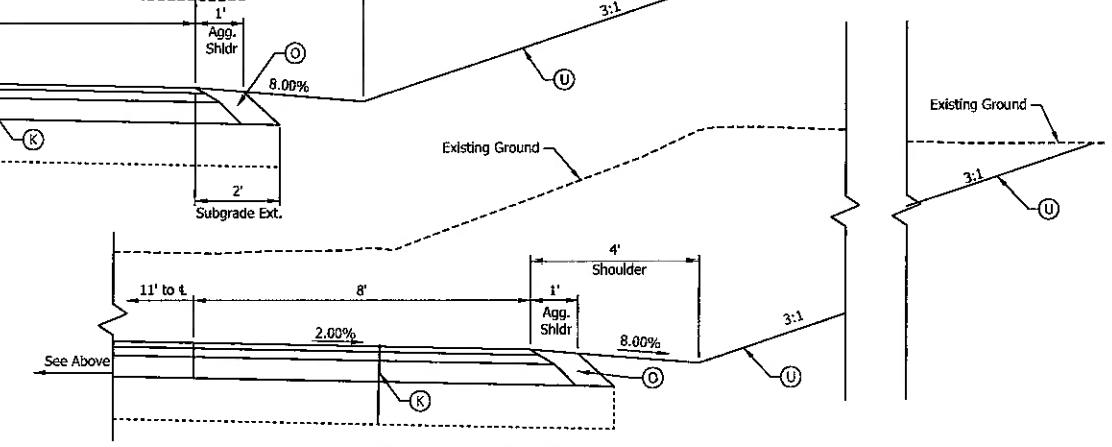
Safety Edge Detail
(N.T.S)



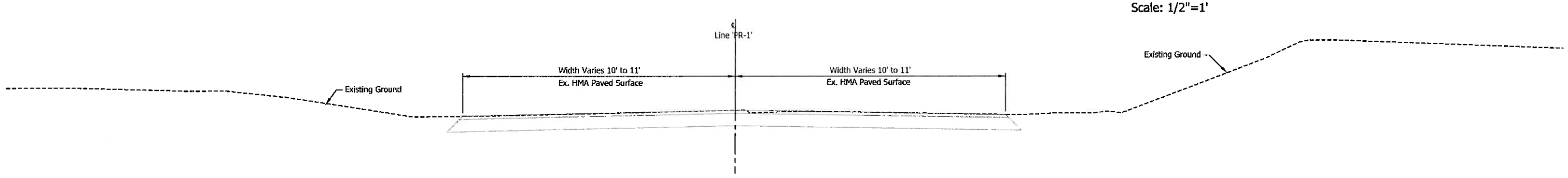
Fill Section
CR 150 N (Line 'PR-1')
Scale: 1/2"=1'



Proposed Typical Section
CR 150 N (Line 'PR-1')
Lofgren Road (Line 'SLN-2')
CR 250 E (Line 'SLN-3)
Scale: 1/2"=1'



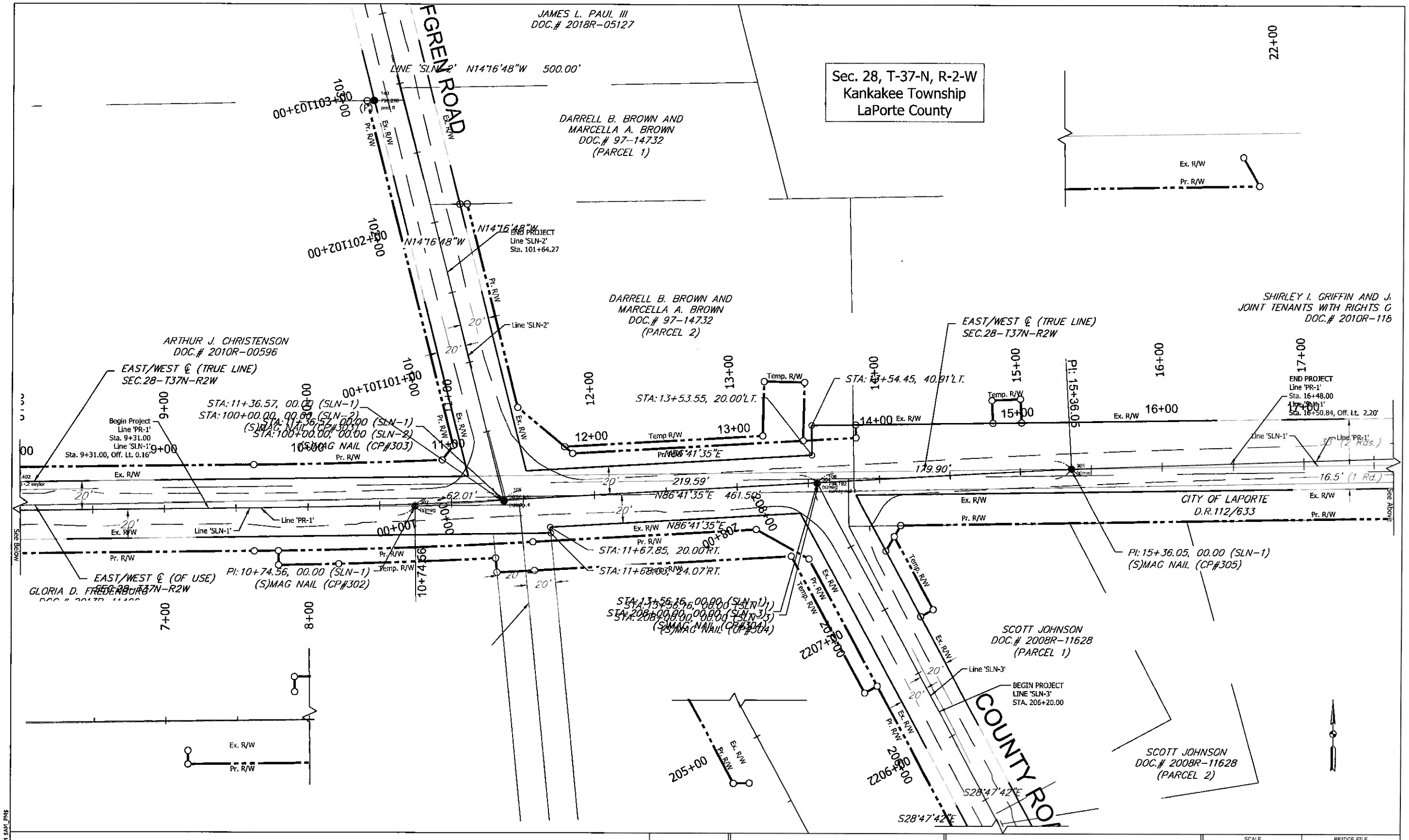
Mailbox Turnout Section
CR 150 N (Line 'PR-1')
Scale: 1/2"=1'



Existing Typical Section
CR 150 N
Line 'PR-1'
Scale: 1/2"=1'

RECOMMENDED FOR APPROVAL $ENG_SIGNATURE$ DESIGN ENGINEER	01/07/2020 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	BRIDGE FILE: N/A; DESIGNATION: 1702829
DESIGNED: JS 01/07/2020	DRAWN: JS 01/07/2020	TYPICAL SECTIONS	SURVEY BOOK / ELECTRONIC / CONTRACT / R-41173
CHECKED: AH 01/07/2020	CHECKED: EW 01/07/2020		SHEETS: 3 of 31; PROJECT: 1702829

Plot: 9/20/2021 3:44 PM JM_PM
File: I:\LPT\PR\0000014809\03_CADD\01_Sheets\Civil\14809_Lofgren_Typ_01.dgn
Model:



RECOMMENDED FOR APPROVAL	ENG SIGNATURES	01/07/2020	DESIGN ENGINEER / DATE
DESIGNED: JS	01/07/2020	DRAWN: JS	01/07/2020
CHECKED: AH	01/07/2020	CHECKED: EW	01/07/2020

INDIANA
DEPARTMENT OF TRANSPORTATION

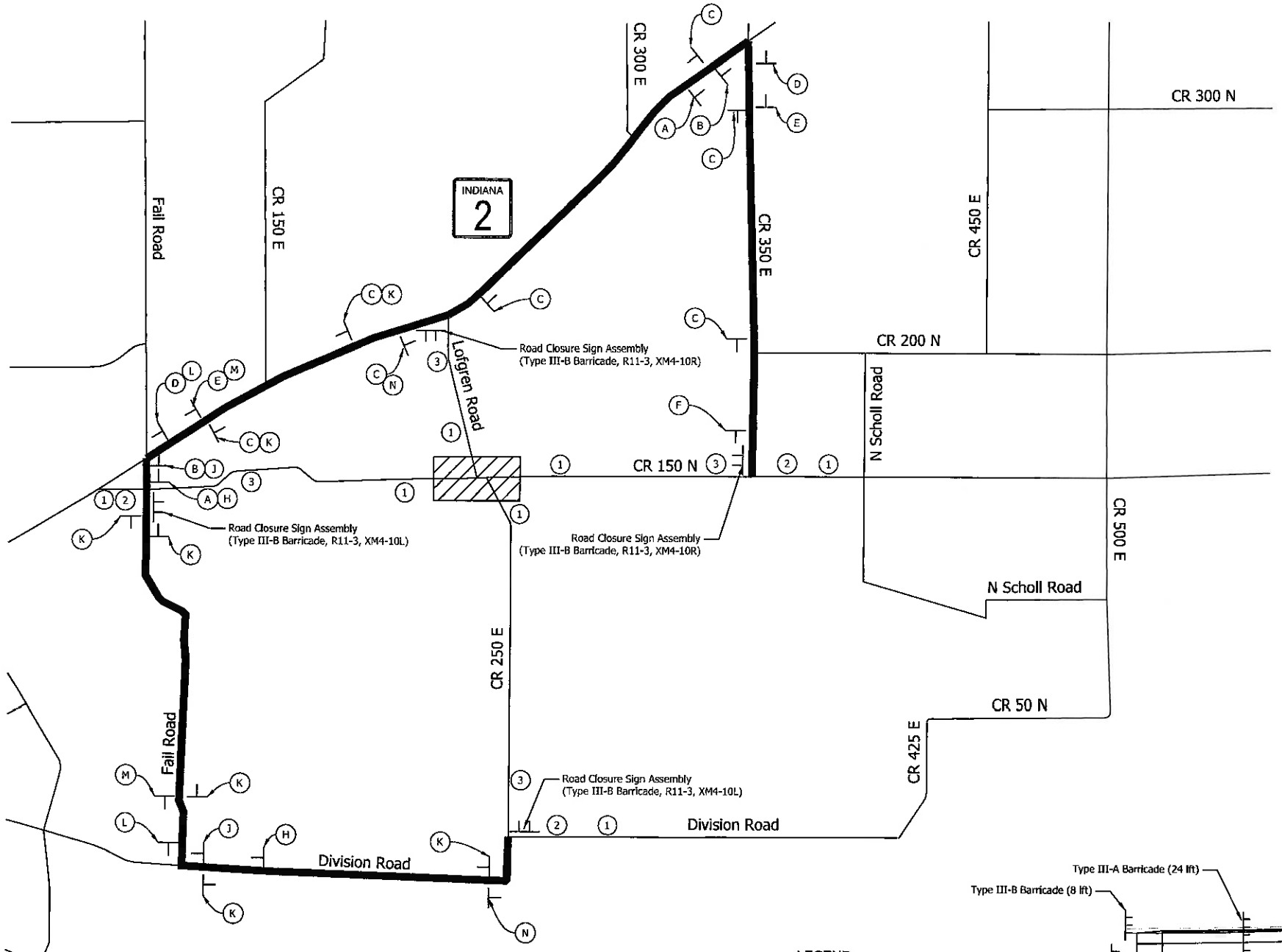
PLAT NO. 1

SCALE	BRIDGE FILE
29.9999 sf / in.	N/A
	DESIGNATION
	1702829

SURVEY BOOK	SHEETS		
ELECTRONIC	4	of	31
CONTRACT	PROJECT		
R-41173	1702829		

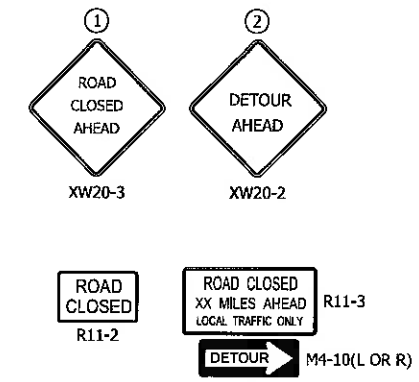
Plot: 8/20/2008 3:58 PM EAM_PM6

File: I:\LPT\PR3\0000014809\03_CADD\01_Sheets\Civil\14809_Lofgren_Plat1_01.dgn
Model:



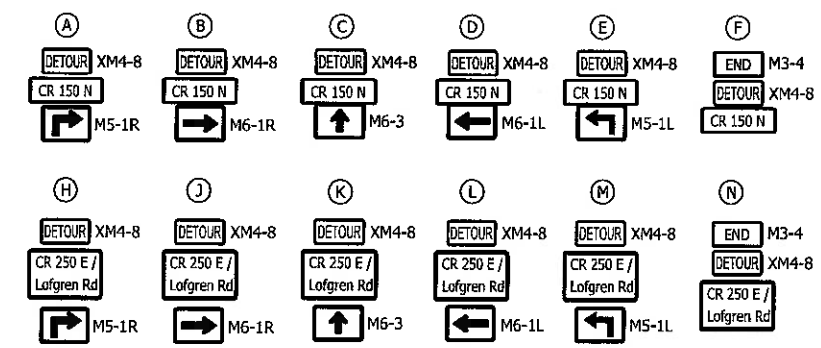
DETOUR PLAN

Scale: 1"=1500'

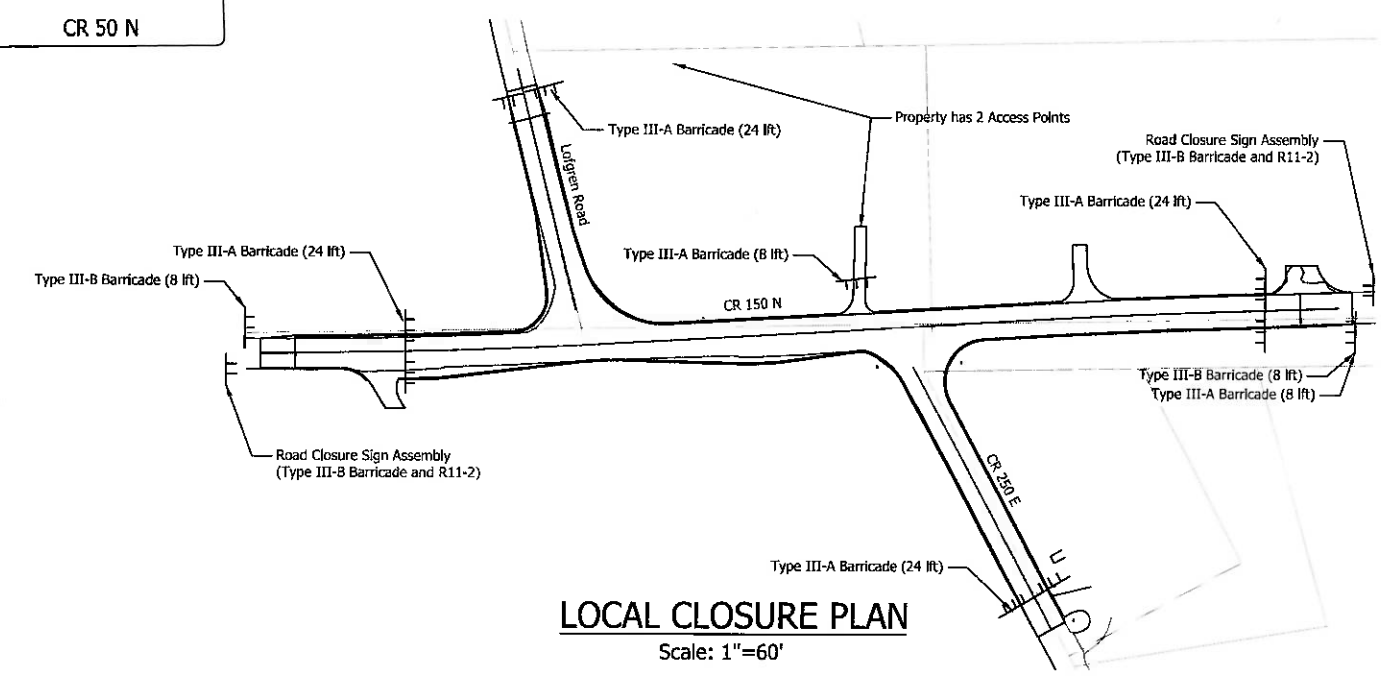


CONSTRUCTION SIGNS

CONSTRUCTION SIGN TABLE				
SYMBOL	DESCRIPTION	NUMBER	TYPE	QTY.
1	Road Closed Ahead	XW20-3	A	
2	Detour Ahead	XW20-2	A	
	Road Closure Sign Assembly	R11-2	*	
	Road Closure Sign Assembly w/ Local Traffic Only and Detour	R11-3 M4-10(R/L)	*	
3	Advanced Notice Sign	XG20-5	A	
A H E M	Advanced Turn Detour Route Marker	SEE DETAIL	*	
B J D L	Directional Detour Route Marker	SEE DETAIL	*	
C K	Confirming Detour Route Marker	SEE DETAIL	*	
G N	End Detour Route Marker	SEE DETAIL	*	
	Standard Barricade III-A		*	
	Standard Barricade III-B		*	



DETOUR ROUTE MARKER ASSEMBLIES



LOCAL CLOSURE PLAN

Scale: 1"=60'

LEGEND

- Barricade Type IIIA or IIIB
- Sign Assembly
- Construction Sign
- Detour Route Marker
- Proposed Detour Route
- Work Area

RECOMMENDED FOR APPROVAL &ENG_SIGNATURE& DESIGN ENGINEER	01/07/2020 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE 0.0833 ' / in. / BRIDGE FILE N/A / DESIGNATION 1702829
DESIGNED: JS 01/07/2020	DRAWN: JS 01/07/2020	DETAIL SHEET	SURVEY BOOK / SHEETS
CHECKED: AH 01/07/2020	CHECKED: EW 01/07/2020		ELECTRONIC / 5 of 31
			CONTRACT / PROJECT
			R-41173 / 1702829

Plot: 9/20/2020 4:20 PM SAM PHS

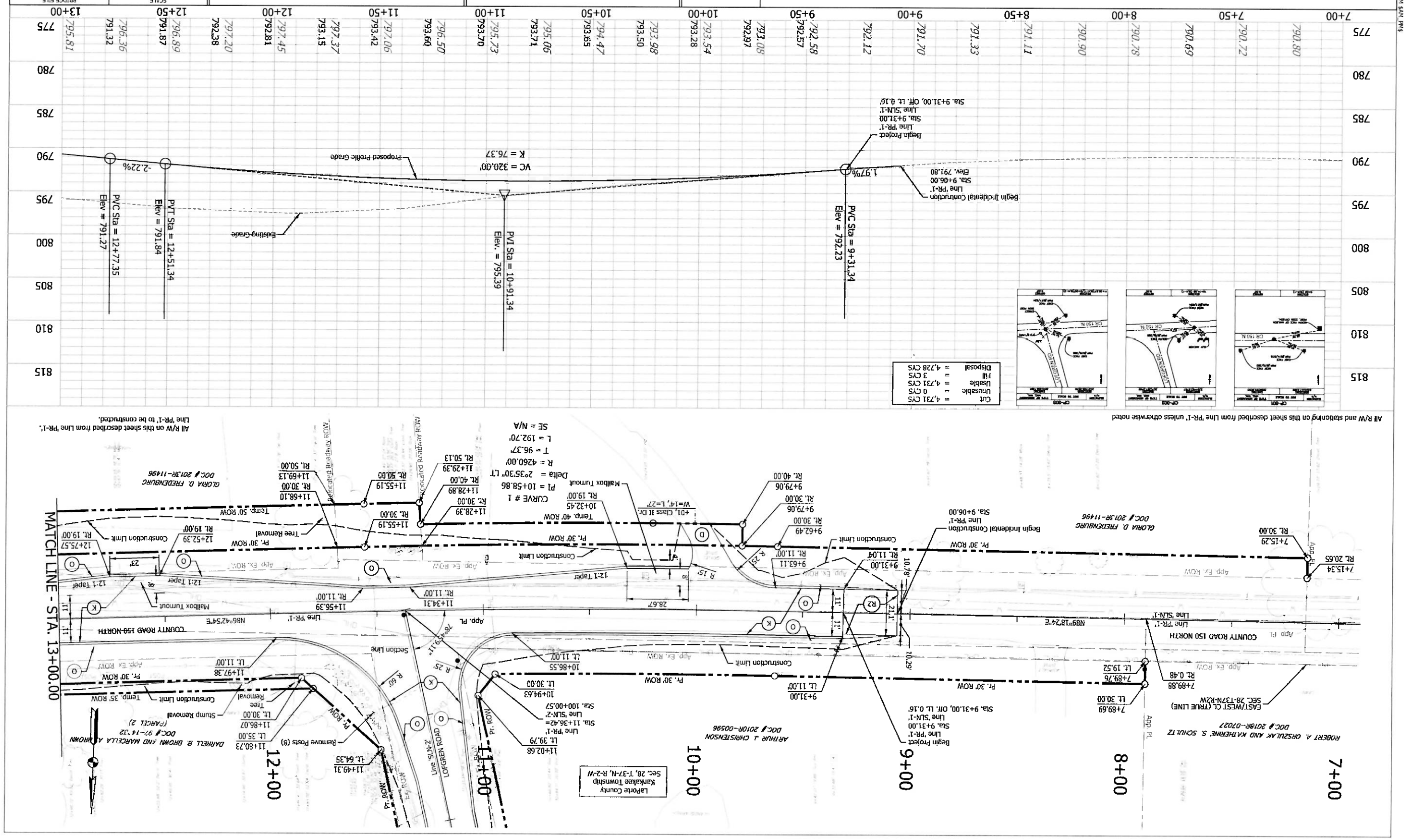
File: I:\LPT\PRJ\000014809\03_CADD\01_Sheets\Civil\14809_Lofgren_MOT_Detour.dgn
Model:

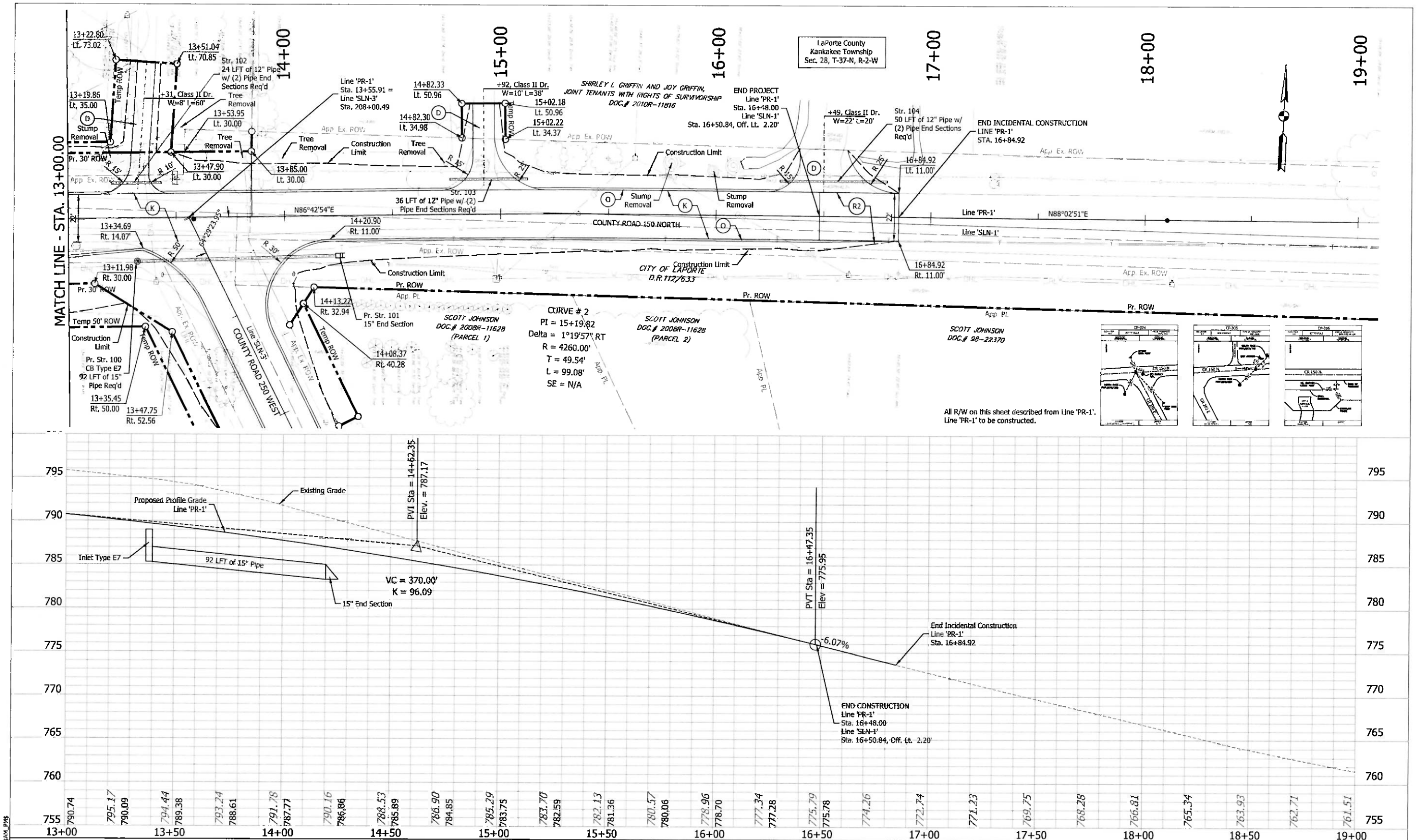
RECOMMENDED FOR APPROVAL	SEAL SIGNATURE
DESIGN ENGINEER	DATE 01/07/2020
DESIGNED: JS	01/07/2020
DRAWN: JS	01/07/2020
CHECKED: AH	01/07/2020
CHECKED: EW	01/07/2020

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
CR 150 N
Line 'PR-1' STA. 7+00 TO 13+00

SCALE	20.00' / in.
BRIDGE FILE	N/A
DESIGNATION	1702829
SURVEY BOOK	
SHEETS	
ELECTRONIC	6 of 31
CONTRACT	
PROJECT	R-41173
	1702829

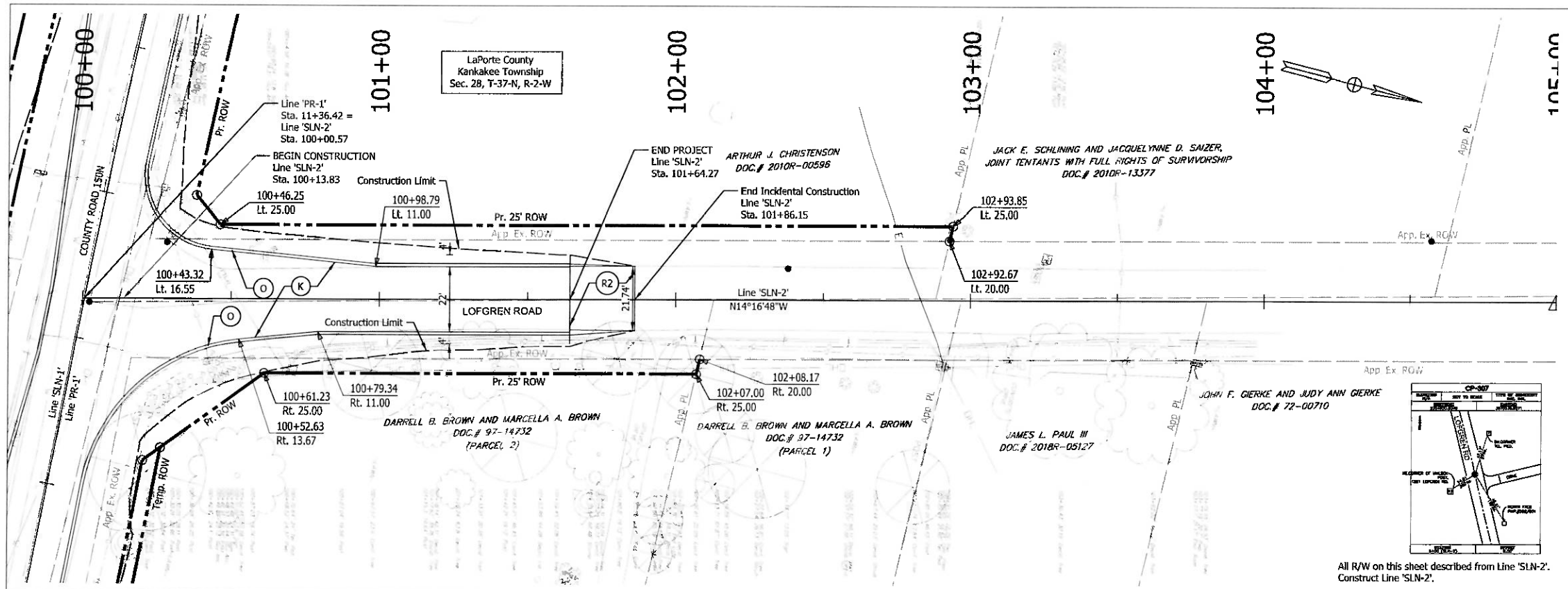

MATCH LINE - STA. 13+00.00
7+00
8+00
9+00
10+00
11+00
12+00
ROBERT A. ORSZULAK AND KATHERINE S. SCHULTZ
DOC.# 2019R-07027
EAST/WEST C.L (TRUE LINE)
SEC. 28-T37N-R2W
COUNTY ROAD 150 NORTH
Begin Incidental Construction
Line 'PR-1'
Sta. 9+06.00
Elev. 791.80
Begin Project
Line 'PR-1'
Sta. 9+31.00
Line 'SLN-1'
Sta. 9+31.00, Off. Lt. 0.16'
Begin Incidental Construction
Line 'PR-1'
Sta. 9+06.00
GLORIA D. FREDENBURG
DOC.# 2013R-11496
ARTHUR J. CHRISTENSON
DOC.# 2010R-00596
LaPorte County
Kankakee Township
Sec. 28, T-37-N, R-2-W
DARRELL B. BROWN AND MARCELLA A. BROWN
DOC.# 97-14732
(PARCEL 2)
Line 'SLN-2'
LOFGREN ROAD
Pt. ROW
Remove Posts (3)
Stump Removal
Tree Removal
Construction Limit
Temp. 35' ROW
Pr. 30' ROW
Temp. 50' ROW
Temp. 40' ROW
Mailbox Turnout
Section Line
App. PL
App. Ex. ROW
Dedicated Roadway ROW
Line 'PR-1'
Line 'SLN-1'
Line 'SLN-2'
Sta. 11+36.42=
Sta. 100+00.57
Sta. 9+31.00, Off. Lt. 0.16'
Sta. 9+31.00
Sta. 9+31.00
Sta. 9+31.00
Sta. 9+79.06
Sta. 9+79.06
Sta. 11+02.68
Sta. 11+49.31
Sta. 11+80.73
Sta. 11+97.38
Sta. 11+56.39
Sta. 11+34.31
Sta. 11+28.39
Sta. 11+28.89
Sta. 11+29.39
Sta. 11+55.19
Sta. 11+68.10
Sta. 11+69.13
Sta. 12+52.39
Sta. 12+57.57
Sta. 7+15.29
Sta. 7+15.34
Sta. 7+89.76
Sta. 7+89.88
Pt. ROW
Pr. ROW
Pt. ROW
Pt. ROW
Pt

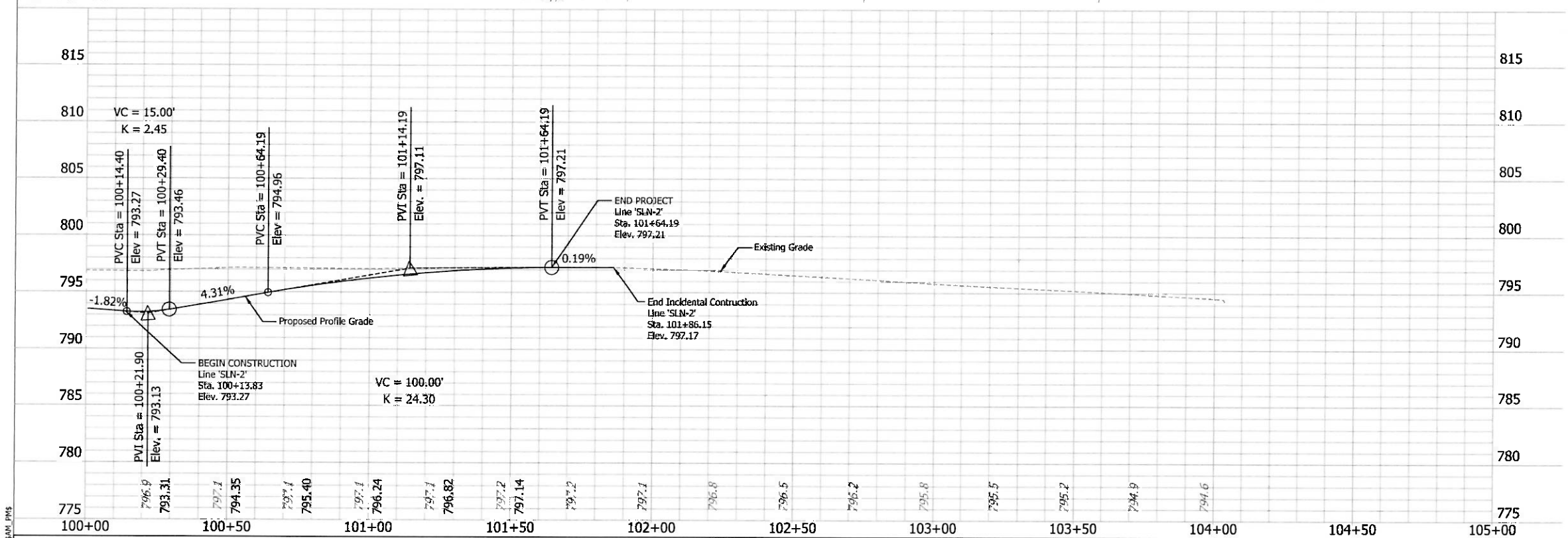


RECOMMENDED FOR APPROVAL $ENG_SIGNATURE$ DESIGN ENGINEER	01/07/2020 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE 20.00 ' / in.
DESIGNED: JS 01/07/2020	DRAWN: JS 01/07/2020	PLAN AND PROFILE CR 150 N Line 'PR-1' STA. 13+00 TO 19+00	BRIDGE FILE N/A
CHECKED: AH 01/07/2020	CHECKED: EW 01/07/2020		DESIGNATION 1702829
			SURVEY BOOK ELECTRONIC
			SHEETS 7 of 31
			CONTRACT R-41173
			PROJECT 1702829

Plot: 8/20/2020 4:39 PM SAM_PMS

File: I:\LPT\PRJ\000014809\03_CADD\01_Sheets\Civil\14809_Lofgren_P&P2.dgn
Model:

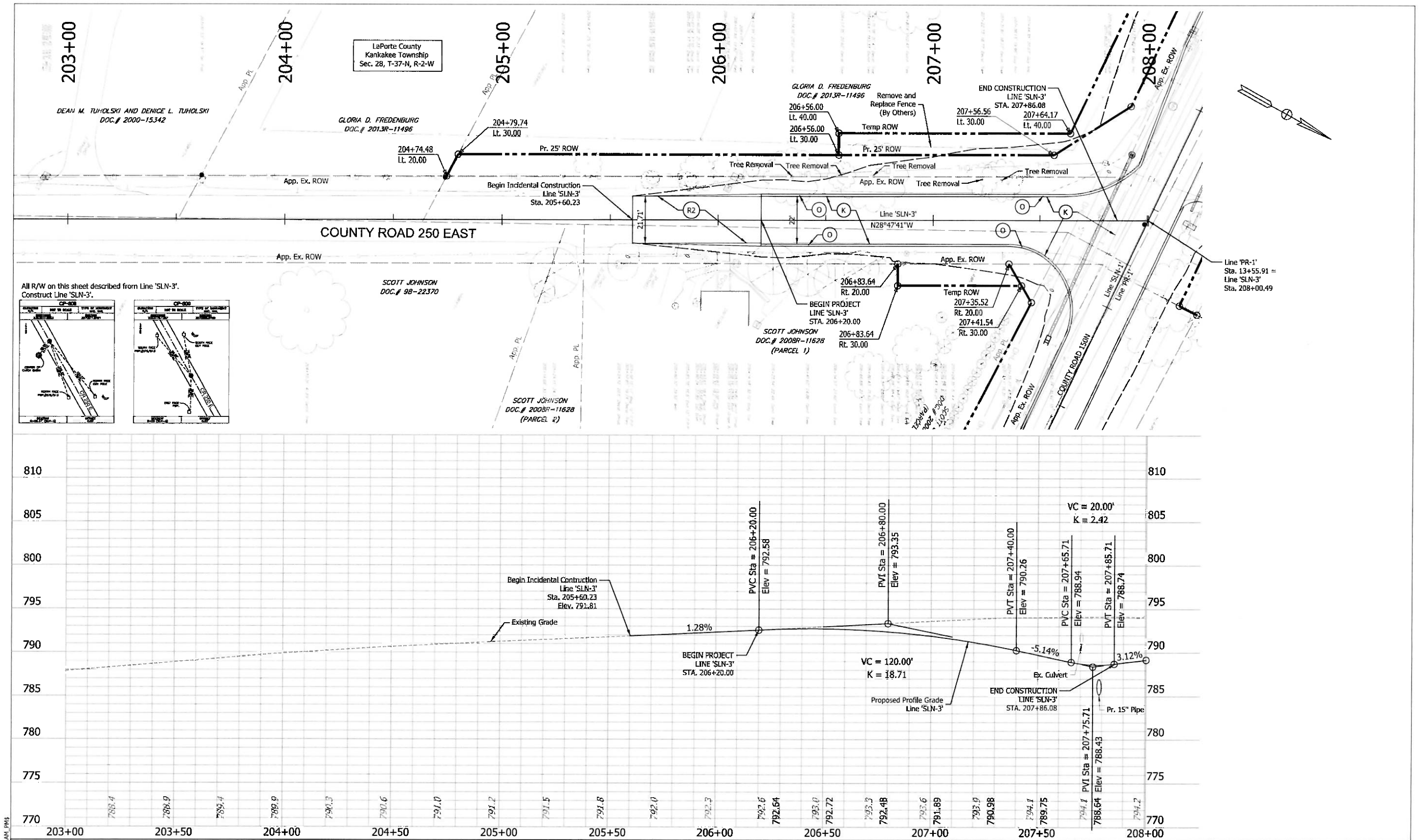




RECOMMENDED FOR APPROVAL $ENG_SIGNATURE$ DESIGN ENGINEER	01/07/2020 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE 20.00 " / In.
DESIGNED: JS 01/07/2020	DRAWN: JS 01/07/2020	PLAN AND PROFILE LOFGREN ROAD Line 'SLN-2'	BRIDGE FILE N/A
CHECKED: AH 01/07/2020	CHECKED: EW 01/07/2020		DESIGNATION 1702829
			SURVEY BOOK ELECTRONIC
			SHEETS 8 of 31
			CONTRACT R-41173
			PROJECT 1702829

PGE: 8/20/2020 4:47 PM AM_PM

File:I:\LPT\PRJ\000014809\03_CADD\01_Sheets\Civil\14809_Lofgren_Lofgren_P&P1.dgn
Model:



RECOMMENDED FOR APPROVAL	$ENG_SIGNATURE$ DESIGN ENGINEER	01/07/2020 DATE	INDIANA DEPARTMENT OF TRANSPORTATION
DESIGNED: JS 01/07/2020	DRAWN: JS 01/07/2020		PLAN AND PROFILE CR 250E Line 'SLN-3'
CHECKED: AH 01/07/2020	CHECKED: EW 01/07/2020		

SCALE	20.00 ' / in.
BRIDGE FILE	
DESIGNATION	1702829
SURVEY BOOK	
ELECTRONIC	9 of 31
CONTRACT	R-41173
PROJECT	1702829

Plot: 8/20/2020 4:55 PM AM_PM

File: I:\LPT\PRJ\000014809\03_CADD\01_Sheets\Civil\14809_Lofgren_250E_P&P1.dgn
Model:

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION: STATION	LEFT	RIGHT	CROSS	OFFSET	SIZE	DESCRIPTION: PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE AND TYPE	LENGTH	VIDEO INSPECTION LENGTH	SKEW	FLOW LINE: COVER	UP STREAM	DOWN STREAM	SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURE BACKFILL	TYPE	FLOWABLE BACKFILL	TYPE	GEOTEXTILES	REVETMENT RIPRAP	SCOUR PROTECTION: SUMP DEPTH	GEOTEXTILE	RIPRAP		CONCRETE, CLASS A, FOR STR.	VIDEO INSPECTION	PIPE END SECTION	GRATED BOX END SECTION			SAFETY METAL END SECTION			CONNECT TO STR.	REMARKS
					FT	IN.			LFT	LFT		LFT	ELEV.	ELEV.	YRS				CYS		CYS		SYS	TON	IN.	SYS.	TYPE	TONS	CYS	LFT	EA.	TYPE	SLOPE	EA.	TYPE	SLOPE	EA.		
100	13+32		X		17	15	1	Catch Basin, Type E7	92.0	92.0	0	1.5	785.20	785.20	75	N/A	7.0	1		1					8						1								
102	13+31	X			18	12	3	Driveway Culvert	24.0	24.0	0	1	787.50	787.40	50	N/A	7.0	2		1					6						2								
103	14+92	X			18	12	3	Driveway Culvert	36.0	36.0	0	1	781.90	781.70	50	N/A	7.0	2		1					6						2								
104	16+49	X			18	12	3	Driveway Culvert	50.0	50.0	0	1	781.15	780.90	50	N/A	7.0	2		1					6						2								

PAVEMENT QUANTITIES AND APPROACH TABLE

LOCATION	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	RADII R1	RADII R2	DISTANCE BEYOND R/W LINE	DRIVEWAY PROFILE GRADE 1	DRIVEWAY PROFILE GRADE 2	EXCAVATION CUT	EXCAVATION FILL	MILLING: ASPHALT TRANSITION	MILLING: ASPHALT, 1.5 IN.	SUBGRADE TREATMENT (TYPE)	SUBGRADE TREATMENT (TYPE)	HMA FOR APPROACHES: TYPE ___	HMA FOR APPROACHES: TYPE ___	HMA FOR APPROACHES: TYPE ___	HMA FOR ROADS: SURFACE TYPE ___	HMA FOR ROADS: INTERMD TYPE ___	HMA FOR ROADS: BASE TYPE ___	ASPHALT MATERIAL FOR: TACK COAT	JOINT ADHESIVE	JOINT SEALANT	COMPACTED AGGREGATE NO. 53, FOR SHOULDERS	REMARKS
															LBS PER SYD			LBS PER SYD							
															660			165	275	440					
		(ft)	(ft)	(ft)	(ft)	(ft)	%	%	CYS	CYS	SYS	SYS	SYS	SYS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	LFT	LFT	CYS	
MAINLINE																									
Line 'PR-1'									3821.9	9.0	148.1		2403.9					197.8	281.6	675.8	1.6	1434.0	717.0	46.0	
Line 'SLN-2'									452.7	1.0	52.3		639.6					29.0	48.3	115.8	0.4	330.0	165.0	10.4	
Line 'SLN-3'									456.1	3.0	144.6		615.8					43.4	72.4	173.8	0.4	360.0	180.0	11.4	
APPROACHES																									
10+01, Rt.	Class II Driveway	14	27	25	15	10	0.00%	5.48%						53.3	17.6										
13+31, Lt.	Class II Driveway	8	60	15	10	42	0.00%	10.00%						58.5	19.3										
14+92, Lt.	Class II Driveway	10	38	15	25	12	0.00%	10.00%						56.3	18.6										
16+49, Lt.	Class II Driveway	22	20	15	25	-	0.00%	10.00%						60.7	20.0										
TOTALS This Sheet:									4730.7	13.0	345.0		3659.3	228.8	75.5			270.2	402.2	965.4	2.4	2124.0	1062.0	67.8	
TOTALS for Pay Items (Rounded):									4731	13	345		3659	229	76			270	402	965	3	2124	1062	68	

TEMPORARY EROSION CONTROL TABLE

STATION	LOCATION: LEFT	MEDIAN	RIGHT	PERIMETER PROTECTION	SEDIMENT TRAP	SEDIMENT BASIN	SLOPE DRAIN	RIPRAP SPLASHPAD	STRAW BALES DITCH CHECK	RIPRAP DITCH CHECK	DITCH INLET PROTECTION	FISH POOL	REMARKS
				LFT	CYS	EACH	LFT	CYS	LFT	CYS	EACH	EACH	

PIPE MATERIAL TABLE

	STRUCTURE NUMBER		100	102	103	104
	PIPE TYPE / SHAPE (CIR or DEF)		1	3	3	3
INT. DES.	SMOOTH PIPE SIZE		15	12	12	12
	CORRUGATED PIPE SIZE		-	-	-	-
	SEMI-SMOOTH PIPE SIZE		-	-	-	-
CONC.	RCP/RCHEP (S)	CLASS	II	II	II	II
		$D_{0.01}$ RATING	1000	1000	1000	1000
	NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)					
PLASTIC PIPE	CORRUGATED PE PIPE, TYPE S (S)*					
	PROFILE WALL (RIBBED) PE PIPE (S)*					
	PROFILE WALL (CLOSED) PE PIPE (S)*					
	SMOOTH WALL PE PIPE (S)* / MAXIMUM DR					
	CORRUGATED PP PIPE (S)					
	PROFILE WALL PVC PIPE (S)					
	SMOOTH WALL PVC PIPE (S)*					
CLAY	VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)					
CORRUGATED STEEL PIPE / PIPE-ARCH	FULLY BIT. PAVED & LINED (S)	CORR.PROFILE				
		THICKNESS				
	ZINC COATED (C)	CORR. PROFILE				
		THICKNESS				
	ZINC COATED W/ BPI (C)	CORR. PROFILE				
		THICKNESS				
	ALUM. COATED TYPE 2 (C)	CORR. PROFILE				
		THICKNESS				
	POLYMER PRECOATED GALVANIZED (C)	CORR. PROFILE				
		THICKNESS				
	POLYMER PRECOATED GALVANIZED CORRUGATED STEEL PIPE TYPE 1A (S)	CORR. PROFILE				
		THICKNESS				
COR. ALUM. PIPE/ P-ARCH	CORRUGATED ALUM. ALLOY (C)	CORR. PROFILE				
		THICKNESS				
	CORRUGATED ALUM. ALLOY W/ BPI (C)	CORR. PROFILE				
		THICKNESS				
SPIRAL RIB STEEL PIPE	ZINC COATED (SS)	RIB PROFILE				
		THICKNESS				
	ZINC COATED W/ BPI (SS)	RIB PROFILE				
		THICKNESS				
	ALUM. COATED TYPE 2 (SS)	RIB PROFILE				
		THICKNESS				
	POLYMER PRECOATED GALVANIZED (SS)	RIB PROFILE				
		THICKNESS				
STRUCTURAL PLATE PIPE / PIPE-ARCH	STR. PLATE ALUMINUM ALLOY (C)	CORR. PROFILE				
		THICKNESS				
	STR. PLATE ALUMINUM ALLOY W/ CFP (C)	CORR. PROFILE				
		THICKNESS				
	STR. PLATE STEEL (C)	CORR. PROFILE				
		THICKNESS **				
	STR. PLATE STEEL W/ CFP (C)	CORR. PROFILE				
		THICKNESS **				

RECOMMENDED FOR APPROVAL: &ENG_SIGNATURES — DESIGN ENGINEER — DATE 01/07/2020

DESIGNED: JS 01/07/2020 DRAWN: JS 01/07/2020

CHECKED: AH 01/07/2020 CHECKED: EW 01/07/2020

INDIANA DEPARTMENT OF TRANSPORTATION

SUMMARY TABLES

BRIDGE FILE: N/A

DESIGNATION: 1702829

SURVEY BOOK: ELECTRONIC

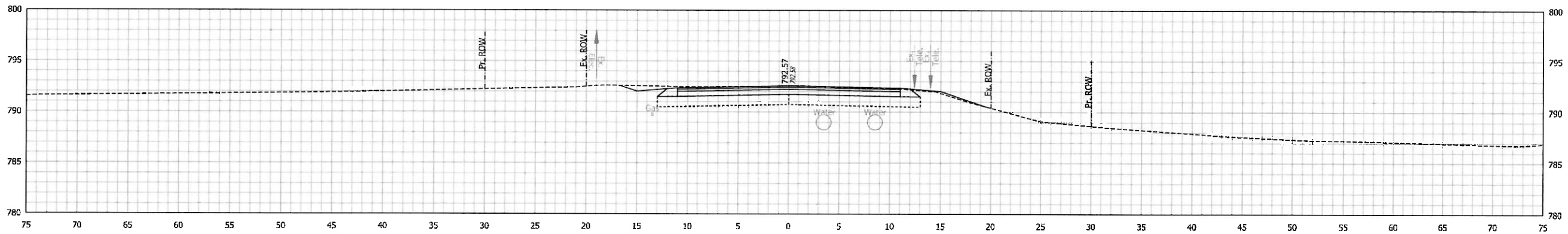
SHEETS: 10 of 31

CONTRACT: R-41173

PROJECT: 1702829

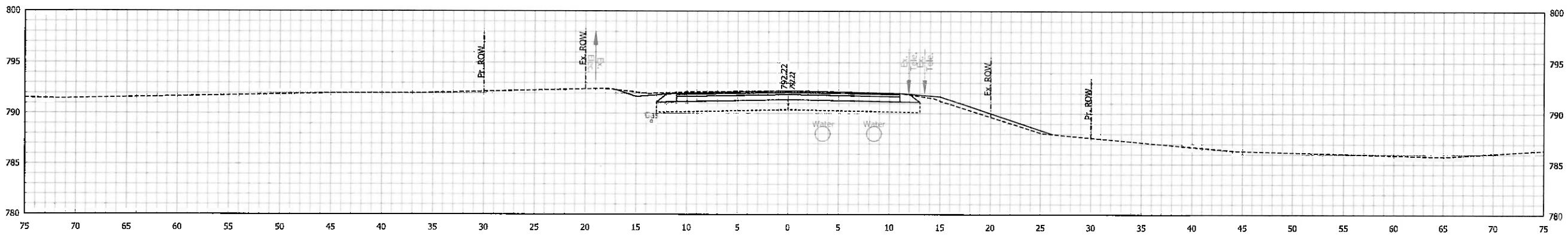
Plot: 8/20/2020 5:02 PM $$M_PMS

File: I:\LPT\PRJ\0000014809\03_CADD\01_Sheets\Civil\14809_Lofgren_Tables.dgn
Model:



Ac = 22.66 SFT Af = 0.80 SFT
Vc = 15.92 CYS Vf = 1.73 CYS

9+50.00



Ac = 22.61 SFT Af = 4.12 SFT
Vc = 2.52 CYS Vf = 0.46 CYS

9+31.00

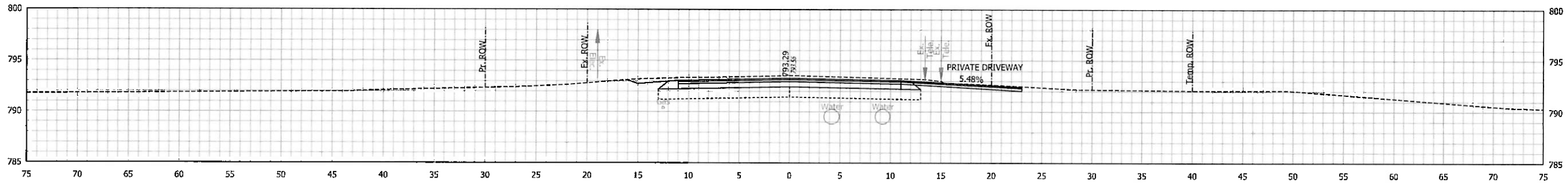
Ac = 0.00 SFT Af = 0.00 SFT
Vc = 0.00 CYS Vf = 0.00 CYS

9+25.00

Note: Any utilities shown by an arrow on these cross section sheets are located horizontally by 811 locate markers picked up by survey. No depths are assumed, unless data has been gathered by SUE investigation or from data provided directly by the utility.

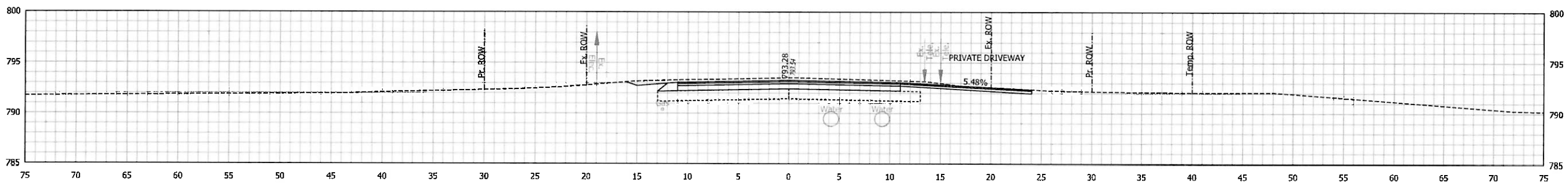
RECOMMENDED FOR APPROVAL $ENG_SIGNATURE$ DESIGN ENGINEER	01/07/2020 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE 5.0000 ' / in. / BRIDGE FILE
DESIGNED: JS 01/07/2020	DRAWN: JS 01/07/2020	CROSS SECTIONS	DESIGNATION 1702829
CHECKED: AH 01/07/2020	CHECKED: EW 01/07/2020	STA. 9+25.00 TO STA. 9+50.00	SURVEY BOOK / SHEETS
			ELECTRONIC / 11 of 31
			CONTRACT / PROJECT
			R-41173 / 1702829

Plot: 8/20/2008 5:37 PM $AM_PWS
File:
Model:



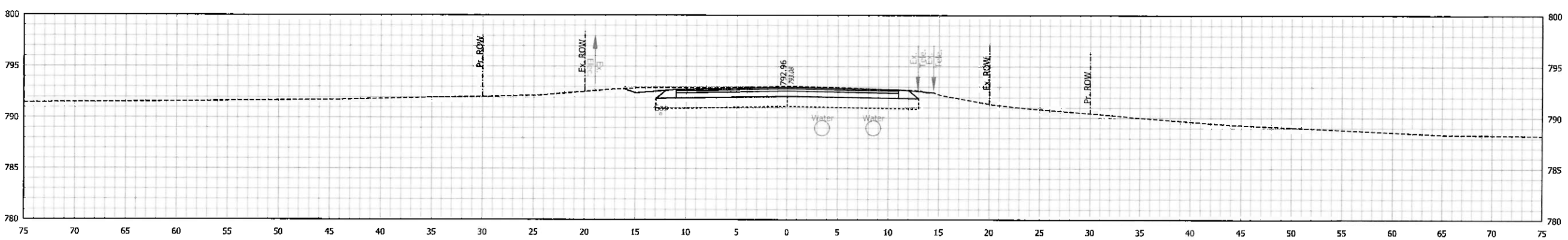
Ac = 28.94 SFT Af = 0.00 SFT
Vc = 1.07 CYS Vf = 0.00 CYS

10+01.00



Ac = 28.74 SFT Af = 0.00 SFT
Vc = 24.53 CYS Vf = 0.02 CYS

10+00.00



Ac = 24.25 SFT Af = 0.04 SFT
Vc = 21.72 CYS Vf = 0.39 CYS

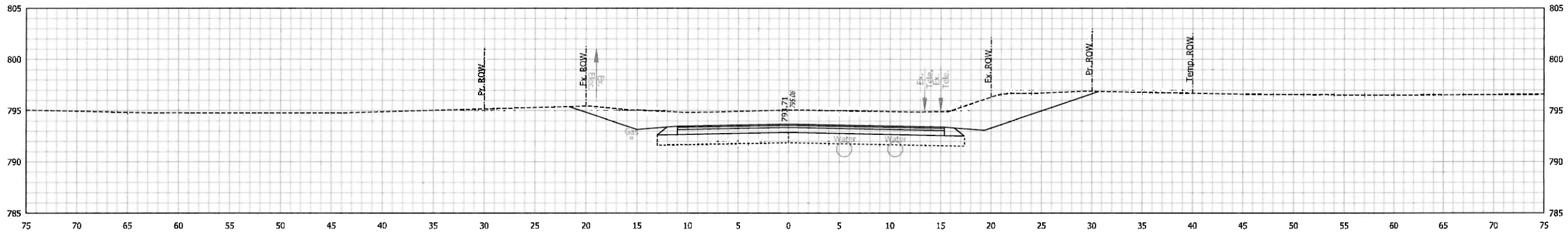
9+75.00

Plot: 9/29/2020 6:38 PM SAM_PMS

File:
Model:

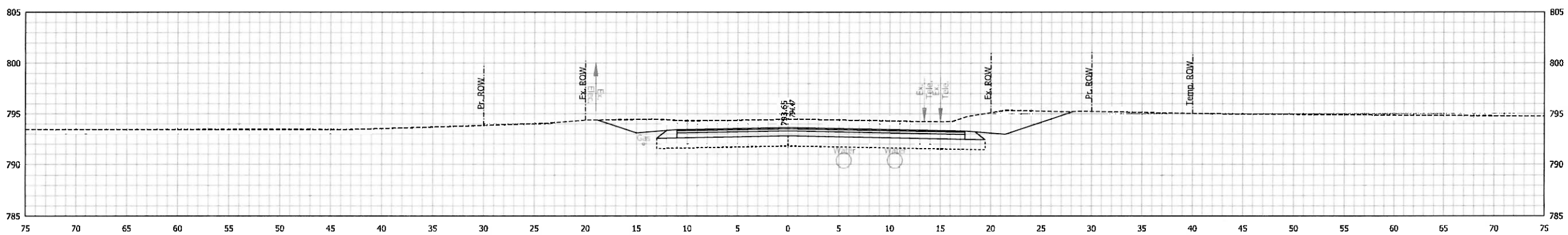
RECOMMENDED FOR APPROVAL $ENG_SIGNATURE$ DESIGN ENGINEER	01/07/2020 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE 5.0000 ' / In.
DESIGNED: JS 01/07/2020	DRAWN: JS 01/07/2020	CROSS SECTIONS STA. 9+75.00 TO STA. 10+01.00	SURVEY BOOK ELECTRONIC
CHECKED: AH 01/07/2020	CHECKED: EW 01/07/2020		CONTRACT R-41173

BRIDGE FILE	
DESIGNATION	1702829
SHEETS	12 of 31
PROJECT	1702829



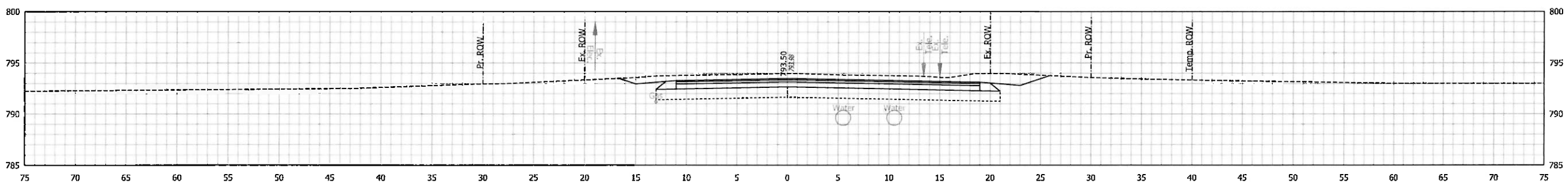
Ac = 101.80 SFT Af = 0.00 SFT
Vc = 81.04 CYS Vf = 0.00 CYS

10+75.00



Ac = 73.25 SFT Af = 0.00 SFT
Vc = 57.26 CYS Vf = 0.00 CYS

10+50.00



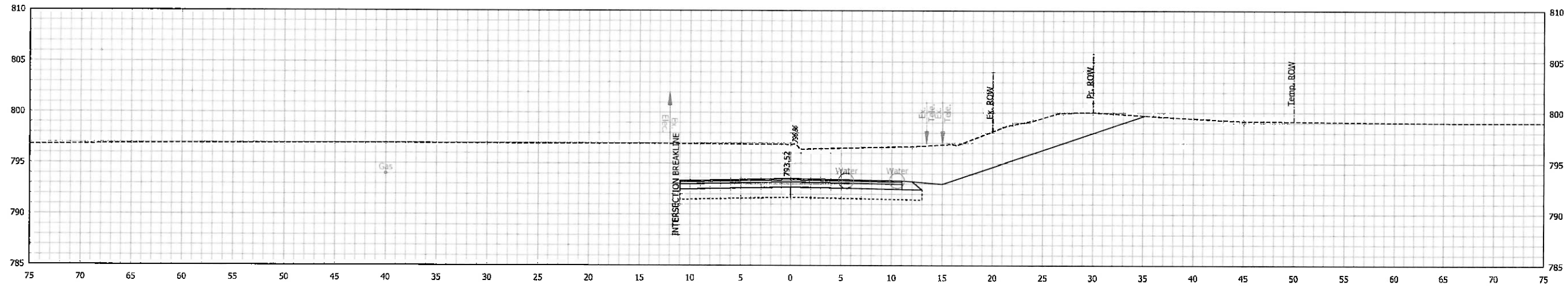
Ac = 50.44 SFT Af = 0.00 SFT
Vc = 35.28 CYS Vf = 0.00 CYS

10+25.00

PLOT: 8/20/2020 8:43 PM AM_PM

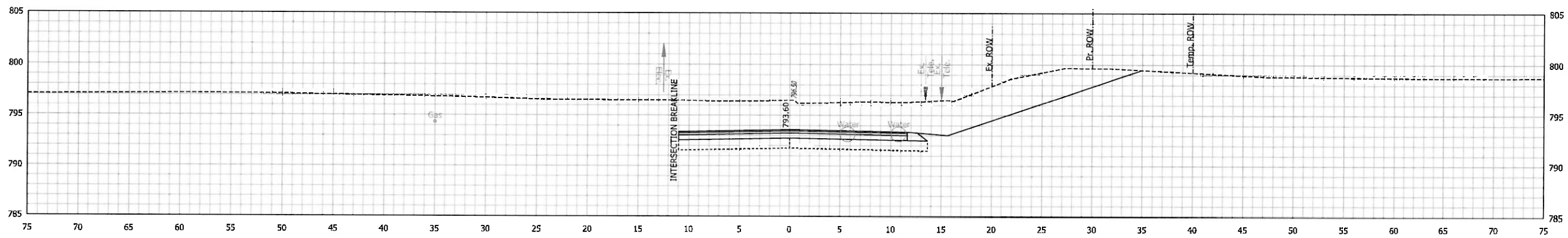
File:
Model:

RECOMMENDED FOR APPROVAL $ENG_SIGNATURE$ DESIGN ENGINEER	01/07/2020 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE 5.0000 ' / in.
DESIGNED: JS 01/07/2020	DRAWN: JS 01/07/2020	CROSS SECTIONS STA. 10+25.00 TO STA. 10+75.00	BRIDGE FILE
CHECKED: AH 01/07/2020	CHECKED: EW 01/07/2020		DESIGNATION 1702829
			SURVEY BOOK ELECTRONIC
			SHEETS 13 of 31
			CONTRACT R-41173
			PROJECT 1702829



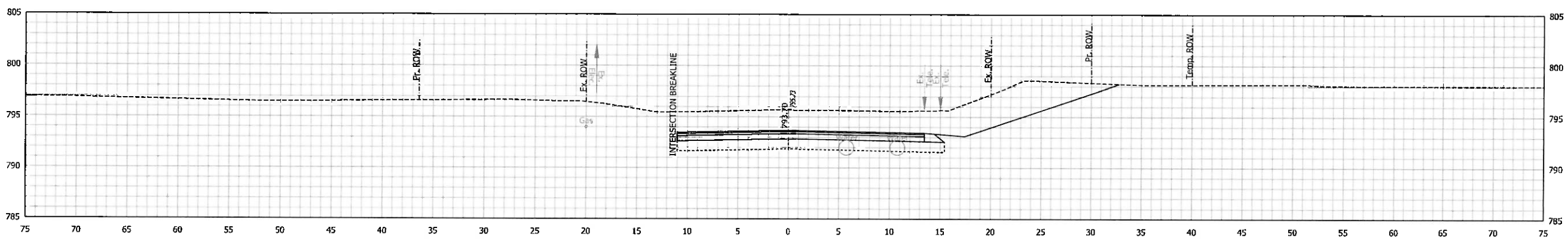
Ac = 168.78 SFT Af = 0.00 SFT
Vc = 73.54 CYS Vf = 0.00 CYS

11+36.42



Ac = 176.94 SFT Af = 0.00 SFT
Vc = 148.84 CYS Vf = 0.00 CYS

11+25.00



Ac = 142.55 SFT Af = 0.00 SFT
Vc = 113.13 CYS Vf = 0.00 CYS

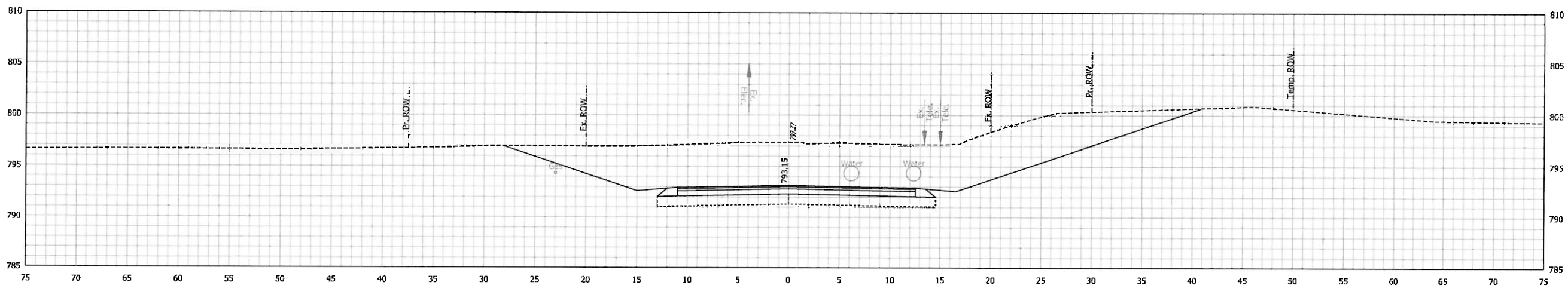
11+00.00

Plot: 8/20/2020 6:45 PM AM_PM

File:
Model:

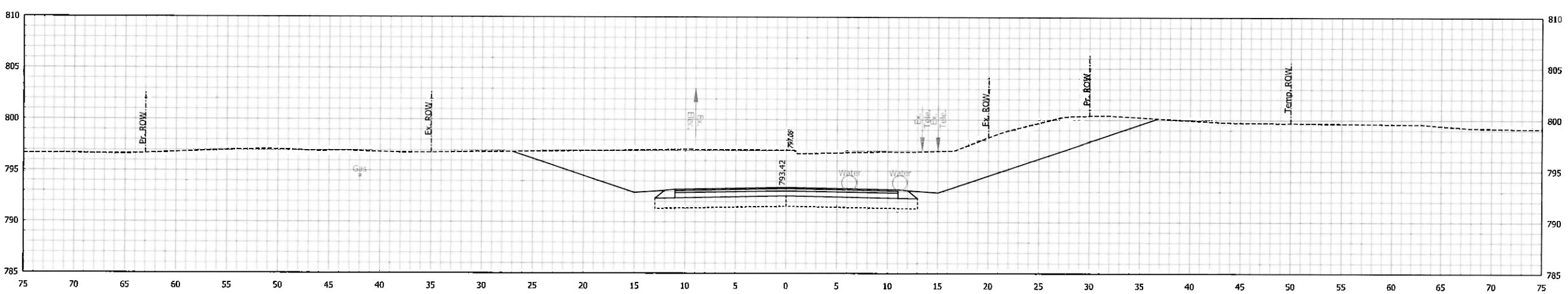
RECOMMENDED FOR APPROVAL $ENG_SIGNATURE$ DESIGN ENGINEER	01/07/2020 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE 5.0000 ' / in.
DESIGNED: JS 01/07/2020	DRAWN: JS 01/07/2020	CROSS SECTIONS	SURVEY BOOK
CHECKED: AH 01/07/2020	CHECKED: EW 01/07/2020	STA. 11+00.00 TO STA. 11+36.42	ELECTRONIC 14 of 31
			CONTRACT R-41173

BRIDGE FILE
DESIGNATION 1702829
SHEETS
PROJECT 1702829



Ac = 261.43 SFT Af = 0.00 SFT
Vc = 222.48 CYS Vf = 0.00 CYS

11+75.00



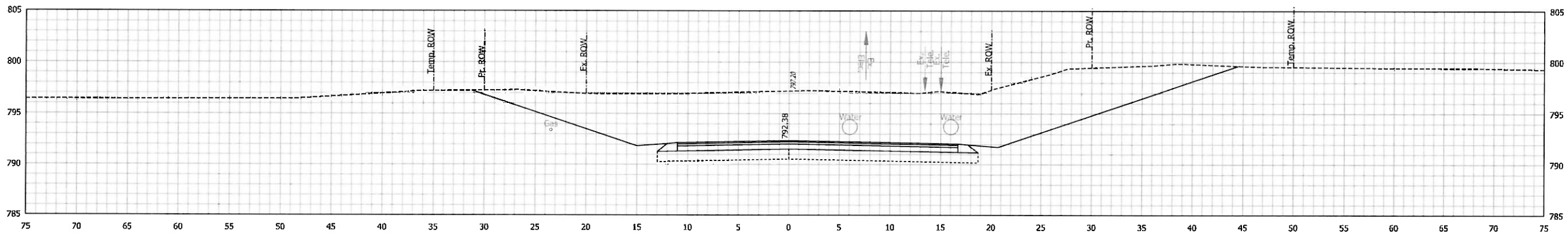
Ac = 219.13 SFT Af = 0.00 SFT
Vc = 97.55 CYS Vf = 0.00 CYS

11+50.00

Plot: 8/20/2020 5:46 PM AM_PM

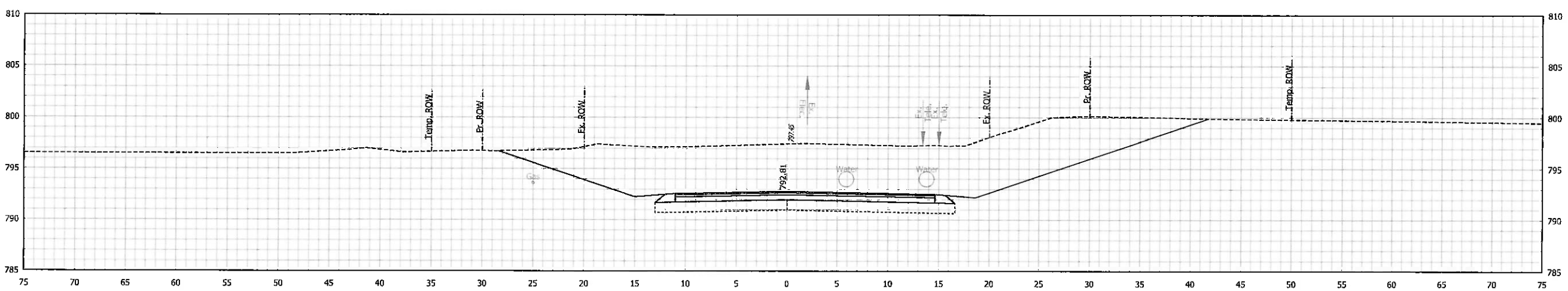
File:
Model:

RECOMMENDED FOR APPROVAL $ENG_SIGNATURE$ DESIGN ENGINEER	01/07/2020 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE 5.0000 ' / in. / BRIDGE FILE / DESIGNATION 1702829
DESIGNED: JS 01/07/2020	DRAWN: JS 01/07/2020	CROSS SECTIONS STA. 11+50.00 TO STA. 11+75.00	SURVEY BOOK / ELECTRONIC / SHEETS 15 of 31
CHECKED: AH 01/07/2020	CHECKED: EW 01/07/2020		CONTRACT R-41173 / PROJECT 1702829



Ac = 327.93 SFT Af = 0.00 SFT
Vc = 289.87 CYS Vf = 0.00 CYS

12+25.00



Ac = 298.19 SFT Af = 0.00 SFT
Vc = 259.08 CYS Vf = 0.00 CYS

12+00.00

Plot: 8/20/2020 6:48 PM AM_PM

File:
Model:

RECOMMENDED FOR APPROVAL $ENG_SIGNATURE$ DESIGN ENGINEER	01/07/2020 DATE	INDIANA DEPARTMENT OF TRANSPORTATION	SCALE 5.0000 ' / in.
DESIGNED: JS 01/07/2020	DRAWN: JS 01/07/2020	CROSS SECTIONS STA. 12+00.00 TO STA. 12+25.00	SURVEY BOOK ELECTRONIC
CHECKED: AH 01/07/2020	CHECKED: EW 01/07/2020		CONTRACT R-41173

BRIDGE FILE	
DESIGNATION	1702829
SHEETS	16 of 31
PROJECT	1702829