

PROJECT	DESIGNATION
1701050	1701050
CONTRACT	
R-41469	

CULVERT ASSETS		
DES. NO.	CULVERT ASSET ID	WORK TYPE
1701050	CV 058-047-86.77	Small Structure Replacement

INDIANA DEPARTMENT OF TRANSPORTATION

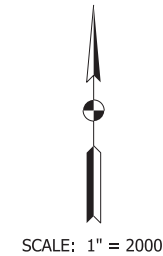
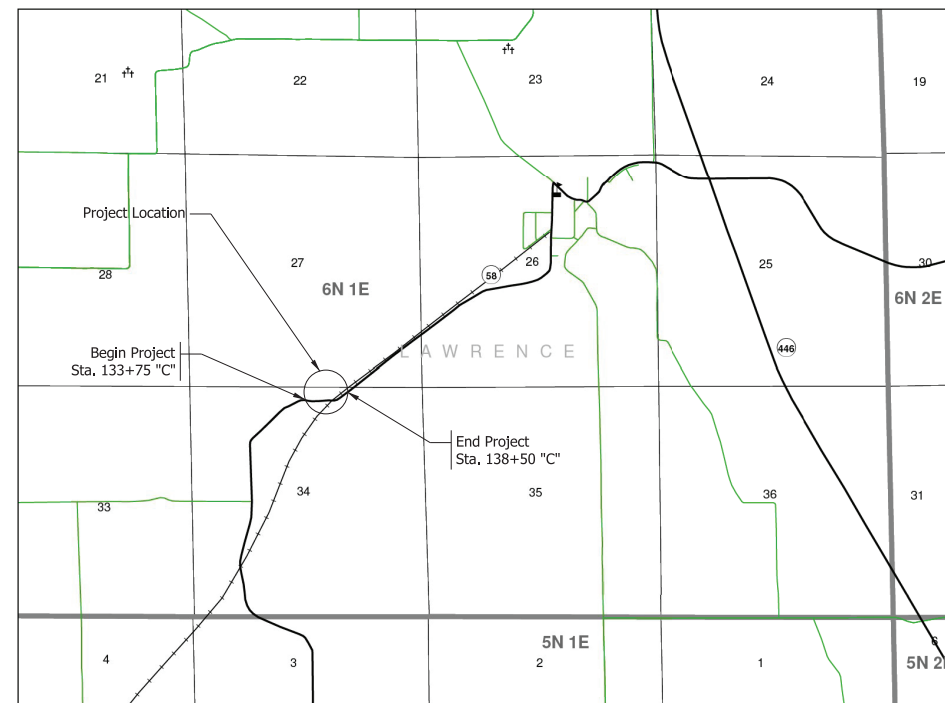


ROAD PLANS

ROUTE: SR 58 FROM: RP 86+77 TO: RP 86+77
 PROJECT NO. 170105000ST6 P.E.
 170105000ST6 R/W
 170105000ST6 CONST.

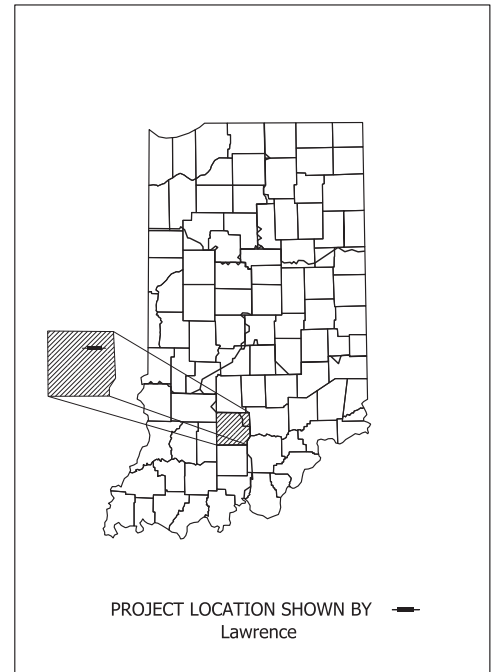
KIN PROJECT INFORMATION	
DESIGNATION	PROJECT DESCRIPTION
1593092	Small Structure Replacement (Lead Des.)
1701044	Small Structure Replacement
1701050	Small Structure Replacement

Small Structure Replacement on SR 58
 Located 9.23 Miles E of SR 37
 Section 34, T-6-N, R-1-E, Pleasant Run Township, Lawrence County, Indiana



1" = 2,000'

TRAFFIC DATA	
A.A.D.T. (2023)	649 V.P.D.
A.A.D.T. (2043)	649 V.P.D.
D.H.V. (2043)	85 V.P.H.
DIRECTIONAL DISTRIBUTION	49.46 %
TRUCKS	2.24 % A.A.D.T. 0.00 % D.H.V.
DESIGN DATA	
DESIGN SPEED	45 M.P.H.
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	STATE COLLECTOR
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	NONE



LATITUDE: N 38°55'3" LONGITUDE: W 86°23'35"

GROSS LENGTH:	.09 MI.
NET LENGTH:	.09 MI.
MAX. GRADE:	1.11 %

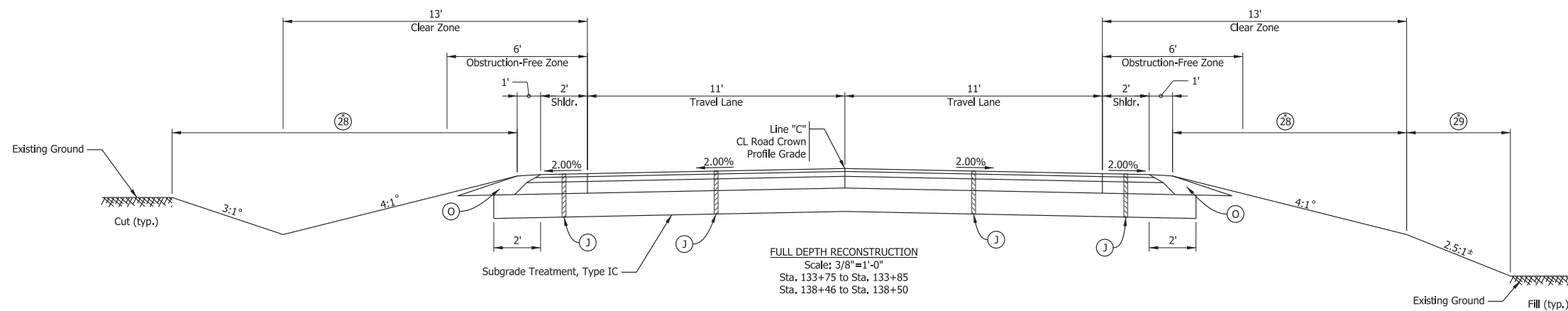
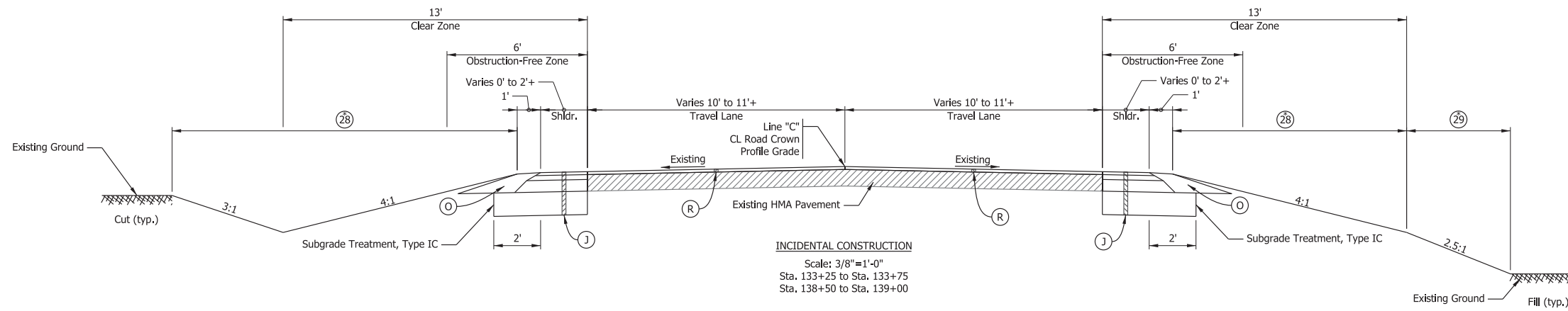
INDIANA DEPARTMENT OF TRANSPORTATION
 STANDARD SPECIFICATIONS DATED 2020
 TO BE USED WITH THESE PLANS

Preliminary

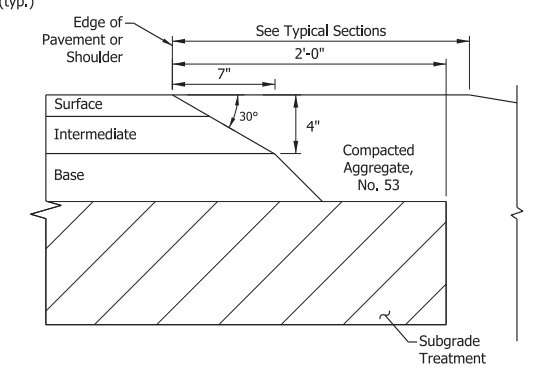
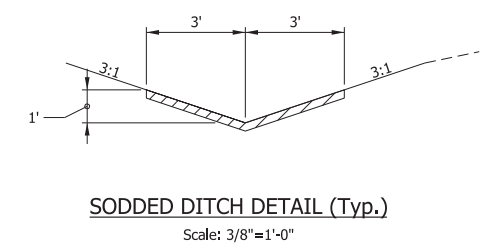
PLANS PREPARED BY:	PHONE NUMBER
CERTIFIED BY:	DATE
RECOMMENDED FOR LETTING:	DATE

DESIGNATION	1701050
SHEETS	1 of 25
CONTRACT	R-41469
PROJECT	1701050

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- LEGEND**
 NOTE: Pavement design is assumed at this time
- (J) 165 lbs/yd² QC/QA-HMA, 3, 64, Surface, 9.5mm, on 275 lbs/yd² QC/QA-HMA, 3, 64, Intermediate, 19mm, on 660 lbs/yd² QC/QA-HMA, 3, 64, Base, 19mm, on Subgrade Treatment, Type IC
 - (R) 1.5 in. Milling Asphalt
165 lbs/yd² QC/QA-HMA, 3, 64, Surface, 9.5mm, on
 - (O) Compacted Aggregate No. 53
 - (28) Mulched Seeding R
 - (29) Riprap, Uniform
- * Unless otherwise shown on subsequent plan sheets
 + See Paving Limits Table for varying paving widths



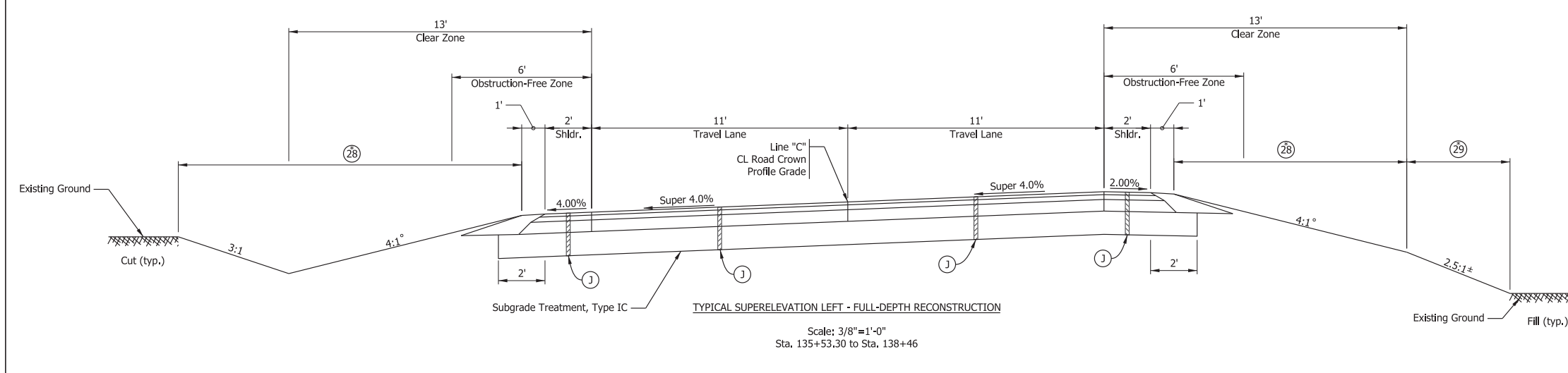
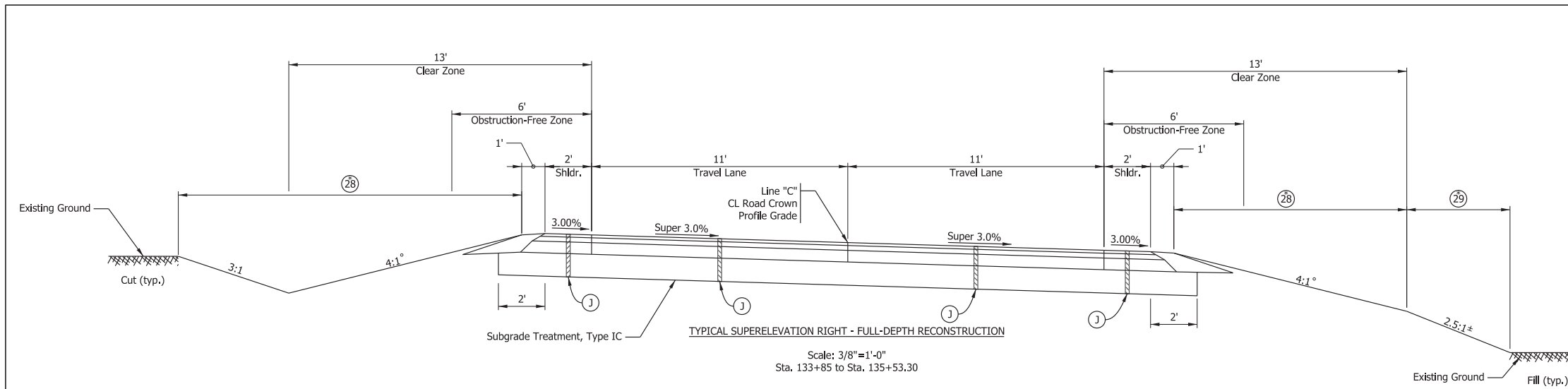
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: ROP	March 2021	DRAWN: ROP
APR 2021		APR 2021
CHECKED: AKB	APR 2021	CHECKED: AKB
		APR 2021

INDIANA DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS

SCALE	BRIDGE FILE
As Noted	N/A
	DESIGNATION
	1701050
	SHEETS
	6 of 25
CONTRACT	PROJECT
R-41469	1701050



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NOTE: Pavement design is assumed at this time
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- * Unless otherwise shown on subsequent plan sheets
+ See Paving Limits Table for varying paving widths

° Clear Zone Foreslope Transition Table							
Slope - Left				Slope - Right			
From Station	Slope	To Station	Slope	From Station	Slope	To Station	Slope
135+06.87	4:1	135+66.87	20:1	134+41.35	4:1	134+96.35	10:1
135+66.87	20:1	136+16.69	20:1	134+96.35	10:1	135+45.37	10:1
136+16.69	20:1	136+76.69	4:1	135+45.37	10:1	136+00.37	4:1

± Foreslope Beyond Clear Zone Transition Table							
Slope - Left				Slope - Right			
From Station	Slope	To Station	Slope	From Station	Slope	To Station	Slope
135+36.87	3:1	135+66.87	3.61:1	134+41.35	3:1	134+96.35	2.18:1
135+66.87	3.61:1	136+16.69	2.61:1	134+96.35	2.18:1	135+45.37	3.05:1
136+16.69	2.61:1	136+51.69	3:1	165+45.37	3.05:1	136+00.37	2.5:1
				136+00.37	2.5:1	137+20.00	2.5:1

+ Paving Limits Table							
Travel Lane - Left				Travel Lane - Right			
From Station	Width (ft)	To Station	Width (ft)	From Station	Width (ft)	To Station	Width (ft)
133+25.00	9.09 Exist.	133+75.00	11	133+25.00	9.47 Exist.	133+75.00	11
138+50.00	11	139+00.00	9.94 Exist.	138+50.00	11	139+00.00	9.97 Exist.

Paved Shoulder - Left				Paved Shoulder - Right			
From Station	Width (ft)	To Station	Width (ft)	From Station	Width (ft)	To Station	Width (ft)
133+25.00	0	133+75.00	3.92	133+25.00	0	133+75.00	3.41
138+50.00	3.67	139+00.00	0	138+50.00	3.27	139+00.00	0

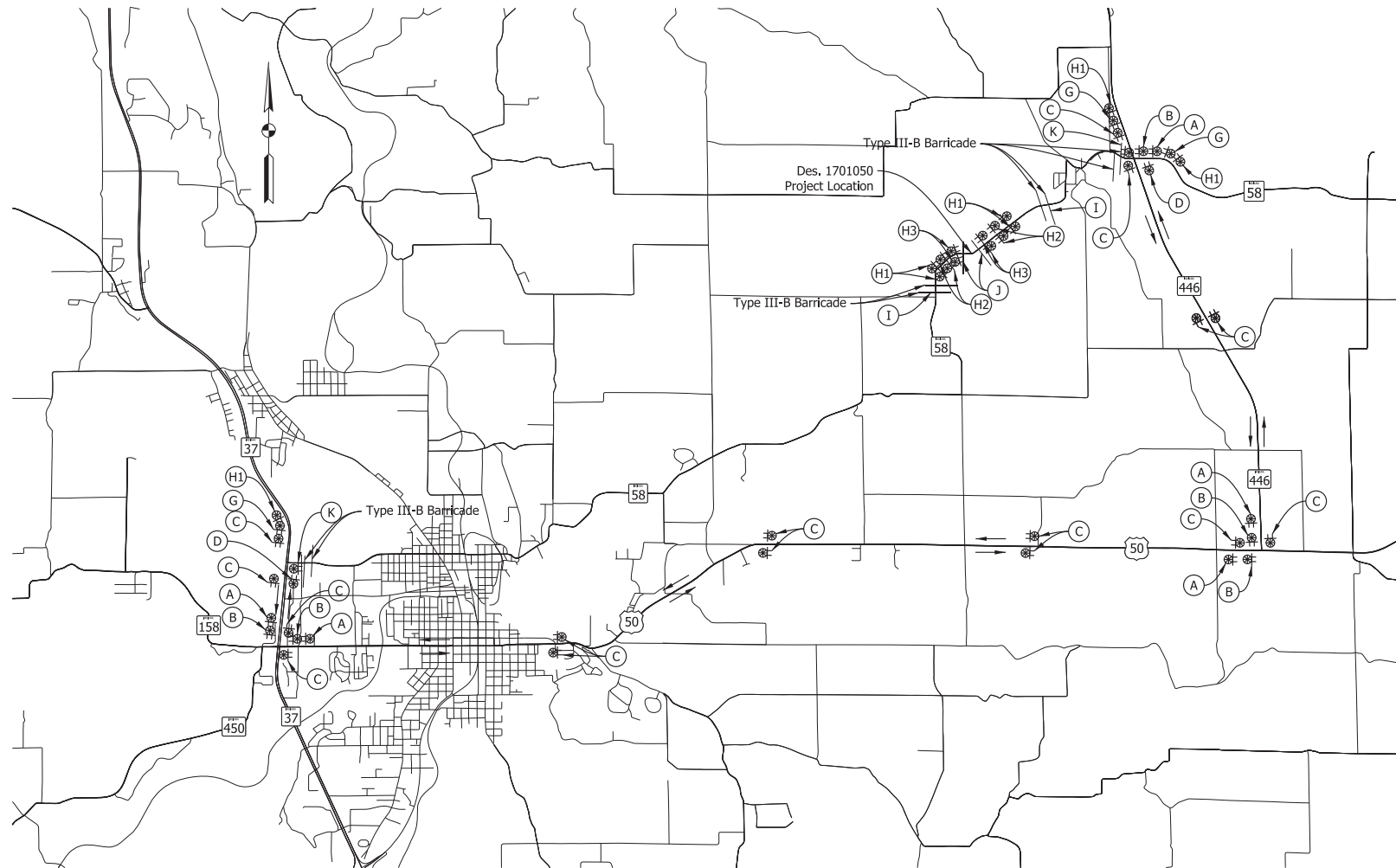
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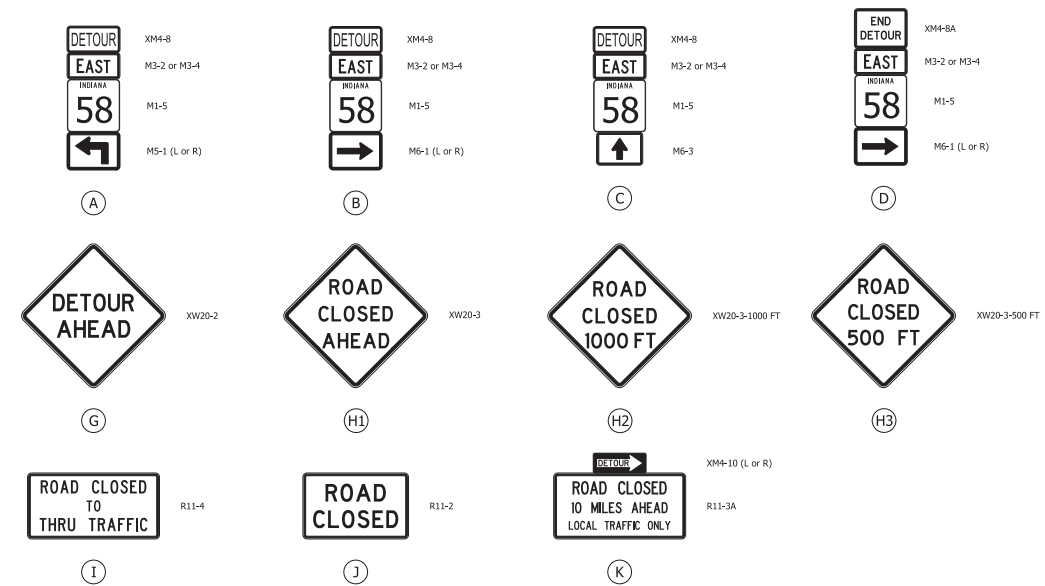
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DESIGNED: ROP	March 2021	DRAWN: ROP
APR 2021		APR 2021
CHECKED: AKB	APR 2021	CHECKED: AKB
		APR 2021

INDIANA DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS

SCALE	BRIDGE FILE
As Noted	N/A
	DESIGNATION
	1701050
	SHEETS
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CONTRACT	PROJECT
R-41469	1701050



State Detour
SR 37, US 50, and SR 446



MAINTENANCE OF TRAFFIC SUMMARY OF ITEMS											
LEGEND	SIGN NUMBER	SIGN MESSAGE (SYMBOL)	CONSTRUCTION SIGN TYPE		ASSEMBLIES				BARRICADES		
			A	B	Advance Turn Detour RMA	Directional Detour RMA	Confirming Detour RMA	End Detour RMA	Road Closure Assembly	III-A	III-B
A	XM4-8 M3-2-S or M3-4-S M1-5 M5-1-S (L or R)	ADVANCED TURN DETOUR ROUTE MARKER ASSEMBLY			5						
B	XM4-8 M3-2-S or M3-4-S M1-5 M6-1-S (L or R)	DIRECTIONAL DETOUR ROUTE MARKER ASSEMBLY				5					
C	XM4-8 M3-2-S or M3-4-S M1-5 M6-3-S	CONFIRMING DETOUR ROUTE MARKER ASSEMBLY					17				
D	XM4-8A M3-2-S or M3-4-S M1-5 M6-1-S (L or R)	END DETOUR ROUTE MARKER ASSEMBLY						2			
G	XW20-2	DETOUR AHEAD	3								
H1	XW20-3	ROAD CLOSED AHEAD	7								
H2	XW20-3-1000 FT	ROAD CLOSED 1000 FT	4								
H3	XW20-3-500 FT	ROAD CLOSED 500 FT	4								
I	R11-4 TYPE III-B BARRICADE	ROAD CLOSED TO THROUGH TRAFFIC	2						2	4	
J	R11-2 TYPE III-A BARRICADE	ROAD CLOSED	2						2	2	
K	XM4-10 (L or R) R11-3A TYPE III-B BARRICADE	ROAD CLOSED X MILES AHEAD LOCAL TRAFFIC ONLY	2	2							4
Total			24	2	5	5	17	2	4	2	8
Construction Sign Type A											24 EACH
Construction Sign Type B											2 EACH
Advanced Turn Detour Route Marker Assembly											5 EACH
Directional Detour Route Marker Assembly											5 EACH
Confirming Detour Route Marker Assembly											17 EACH
End Detour Route Marker Assembly											2 EACH
Road Closure Assembly											4 EACH
Type III-A Barricades											60 LFT
Type III-B Barricades											160 LFT

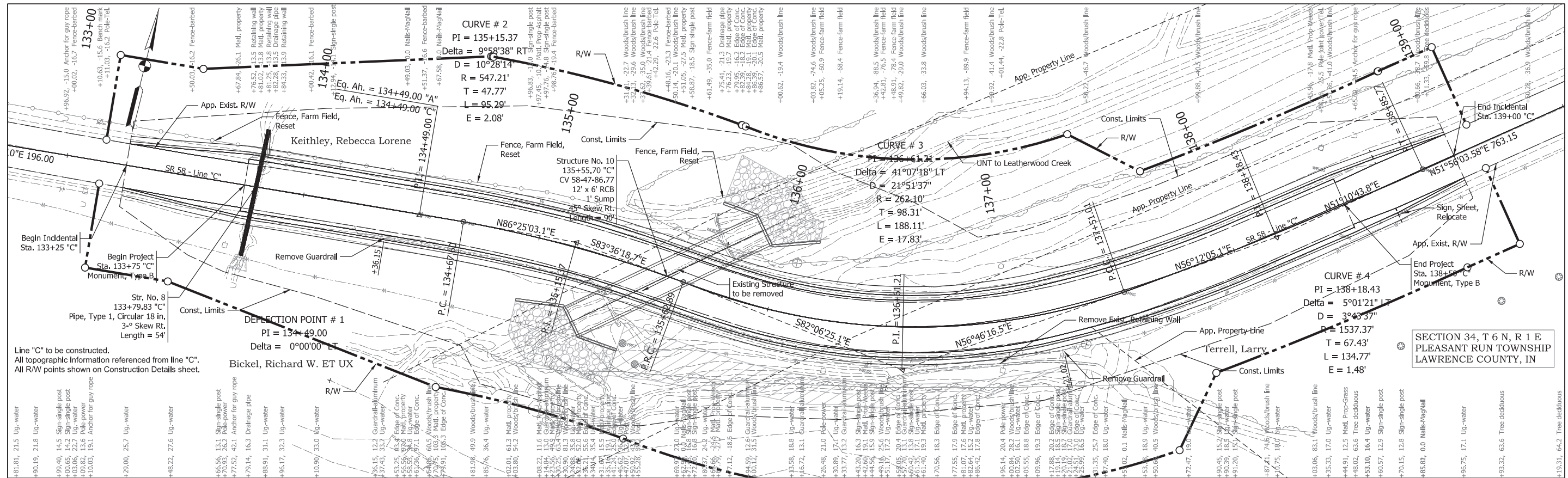
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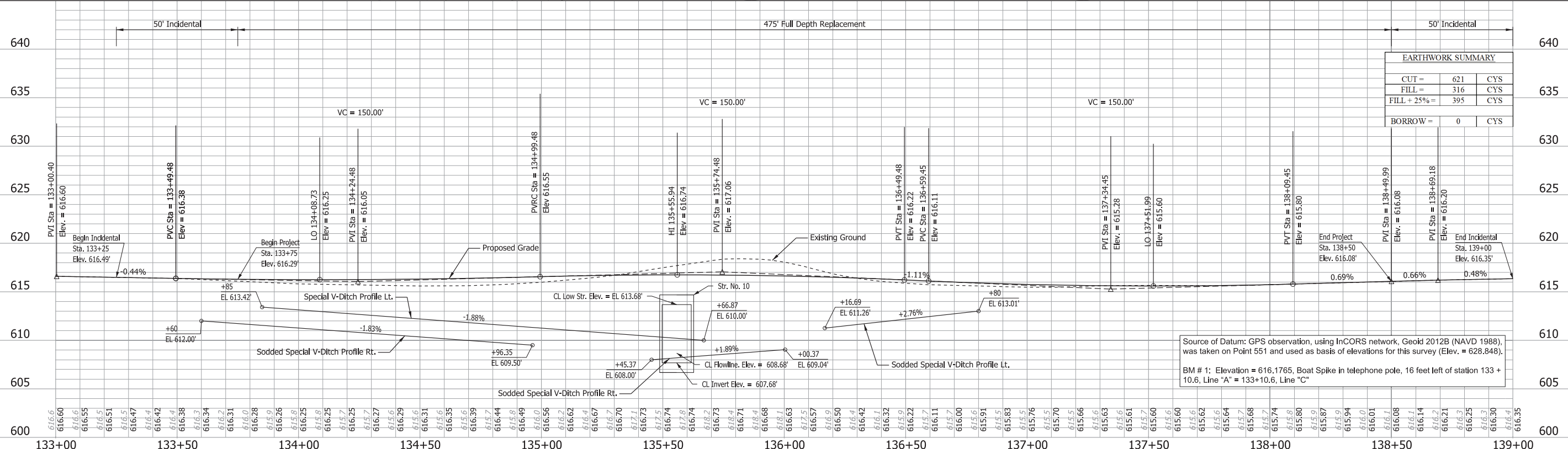
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: MRS _____ Oct 2020	DRAWN: ROP _____ Apr 2021	
CHECKED: AKB _____ Apr 2021	CHECKED: AKB _____ Apr 2021	

INDIANA DEPARTMENT OF TRANSPORTATION
MAINTENANCE OF TRAFFIC

SCALE 1" = 400'	BRIDGE FILE N/A
	DESIGNATION 1701050
	SHEETS 8 of 25
CONTRACT R-41469	PROJECT 1701050



SECTION 34, T 6 N, R 1 E
PLEASANT RUN TOWNSHIP
LAWRENCE COUNTY, IN



EARTHWORK SUMMARY		
CUT =	621	CYS
FILL =	316	CYS
FILL + 25% =	395	CYS
BORROW =	0	CYS

Source of Datum: GPS observation, using INCORS network, Geoid 2012B (NAVD 1988), was taken on Point 551 and used as basis of elevations for this survey (Elev. = 628.848).
BM # 1: Elevation = 616.1765, Boat Spike in telephone pole, 16 feet left of station 133 + 10.6, Line "A" = 133+10.6, Line "C"

NOTE: See LCRS for control point information.

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CHECKED: AKB	Apr 2021	CHECKED: AKB
		Apr 2021

INDIANA DEPARTMENT OF TRANSPORTATION	
PLAN AND PROFILE	

SCALE	BRIDGE FILE
Horiz. 1" = 20', Vert. 1" = 5'	N/A
	DESIGNATION
	1701050
	SHEETS
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CONTRACT	PROJECT
R-1469	1701050

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