

DESIGNATION
2301097
CONTRACT
R-45147

INDIANA DEPARTMENT OF TRANSPORTATION



ROAD PLANS

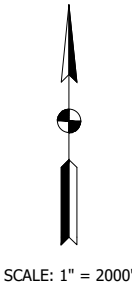
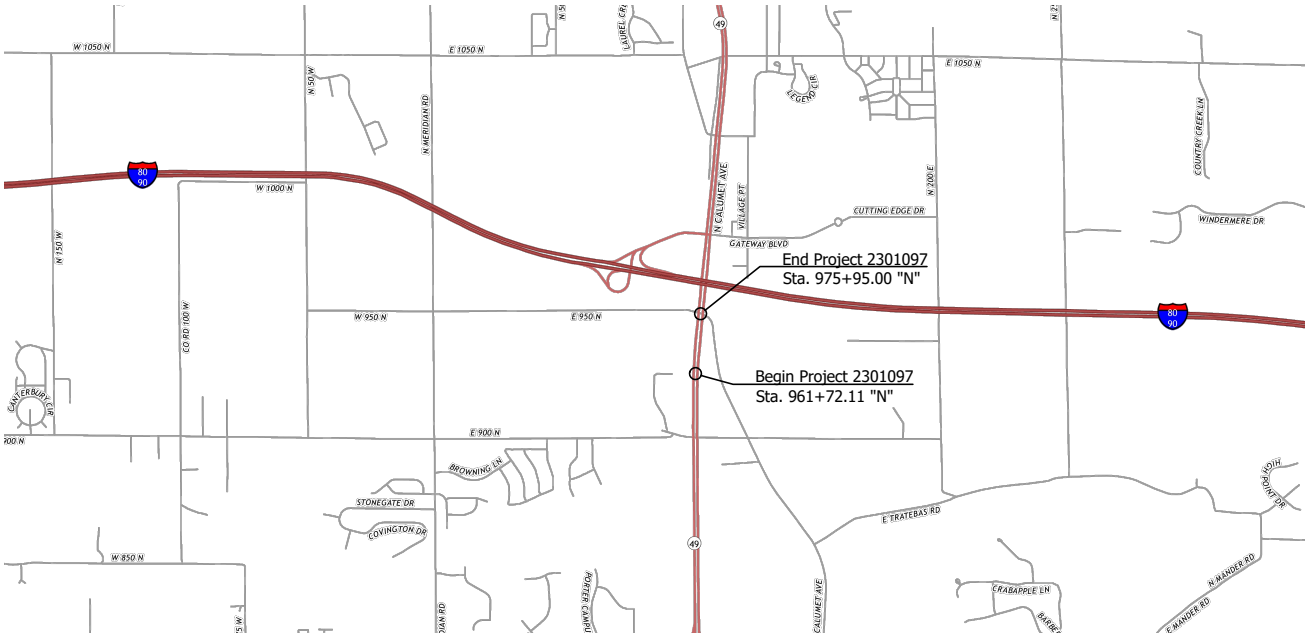
ROUTE: S.R. 49

FROM: 38+30 TO: 42+43

DESIGNATION NO. 2301097

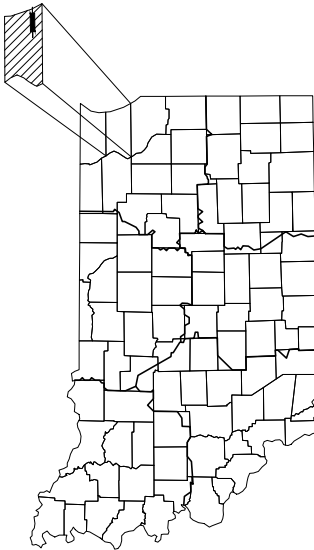
NO ADDITIONAL RIGHT OF WAY
REQUIRED FOR THIS PROJECT

Intersection Improvement With Added Turn Lanes
S.R. 49 at CR 950 N / Calumet Avenue, 1.5 Miles North of U.S. 6
in Section 18, T-36-N, R-5-W, Liberty Township, LaPorte Sub-District, Porter County, Indiana



TRAFFIC DATA	S.R. 49
A.A.D.T. (2027)	34,682 V.P.D.
A.A.D.T. (2047)	38,381 V.P.D.
D.H.V (2047)	3,267 V.P.H.
DIRECTIONAL DISTRIBUTION	49.88 %
TRUCKS	15.98 % A.A.D.T.
	8.91 % D.H.V.

DESIGN DATA	
DESIGN SPEED	55 MPH
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	PRINCIPAL ARTERIAL - OTHER
RURAL/URBAN	URBAN (SUBURBAN)
TERRAIN	LEVEL
ACCESS CONTROL	PARTIAL



PROJECT LOCATION SHOWN BY
PORTER COUNTY

LATITUDE: 41°35'54" LONGITUDE:87°02'39"

GROSS LENGTH: 0.27 MI.
NET LENGTH: 0.27 MI.
MAX. GRADE: 1.29 %

HUC(S): 04040001060030

PUBLIC HEARING PLANS
SEPTEMBER XX, 2026

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2026
TO BE USED WITH THESE PLANS

LFA

LAWSON-FISHER ASSOCIATES P.C.

525 W. WASHINGTON AVENUE

SOUTH BEND, INDIANA 46601

PH. (574) 234-3167

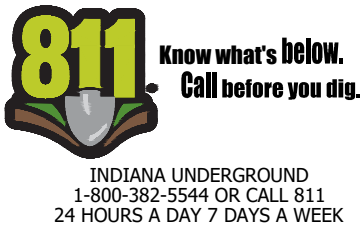
NOT FOR
CONSTRUCTION

PLANS PREPARED BY:	LAWSON-FISHER ASSOCIATES P.C.	574-234-3167 PHONE NUMBER
CERTIFIED BY:		DATE
RECOMMENDED FOR LETTING:	INDIANA DEPARTMENT OF TRANSPORTATION	DATE

DESIGNATION	2301097
SHEETS	1 of 36
CONTRACT	R-45147

JPf -- 8/3/2026 12:42 PM -- U: \\2025\\2025006 INDOT SR49 at Columet\\Cod\\Plan Set\\Civil\\2500600TR_CN01.dwg (INDEX (2))

UTILITIES		
UTILITY	OWNER	ADDRESS
CABLE -	Comcast North	688 Industrial Dr.
	Contact: Kevin Watson	Elmhurst, IL 60126
	Phone: (224) 229-5863	
	Email: Kevin_Watson@comcast.com	
ELECTRIC -	NIPSCO Electric	801 E Ave.
	Contact: Andre Reed	Merriville, IN 46410
	Phone: (219) 265-1524	
	Email: andrereed@nisource.com	
FIBER OPTIC -	Chesterton Utility, Town of	1490 Broadway
	Contact: Mark O'Dell	Chesterton, IN 46304
	Phone: (219) 996-0216	
	Email: modell@chestertonin.org	
GAS -	NIPSCO Gas	801 E Ave.
	Contact: Heather Tokarz	Merriville, IN 46410
	Phone: (574) 274-1233	
	Email: htokarz@nisource.com	
	ANR Pipeline Company	5250 Corporate Dr.
	Contact: Utility Contact	Troy, MI 48098
	Phone: (248) 205-7596	
	Email: us_crossings@transcanada.com	
SANITARY SEWER -	Chesterton Utility, Town of	1490 Broadway
	Contact: Dave Ryan	Chesterton, IN 46304
	Phone: (219) 406-5951	
	Email: dryan@chestertonin.org	
TELEPHONE -	Frontier	1502 Magnavox Way, Ste. 100
	Contact: Matthew Heil	Fort Wayne, IN 46804
	Phone: (517) 256-7890	
	Email: mheil@troyergroup.com	
TRAFFIC -	Chesterton Utility, Town of	1490 Broadway
	Contact: Matt Gavelek	Chesterton, IN 46304
	Phone: (219) 926-2222	
	Email: mgavelek@chestertonin.org	
WATER -	IN American Water	153 N Emerson Ave.
	Contact: Amrit Singh	Greenwood, IN 46143
	Phone: (317) 220-4918	
	Email: indianaaon-callservices@amwater.com	



GENERAL NOTES
All earth shoulders, median area, cut and fill slopes shall be plain or mulched seeded except where sodding is specified.
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.
It is the Contractor's responsibility to contact any and all utility companies within the limits of this project 3 weeks prior to any construction.
This set of plans shall not be construed to be a property retracement survey. Where apparent property lines, corners, subdivision or section corner information is shown, it is based on physical evidence or testimony.

INDEX	
SHEET NO.	DRAWINGS INDEX
1	Title Sheet
2	Index and General Notes
3 - 4	Typical Sections
5 - 10	Maintenance of Traffic
11 - 13	Plan and Profiles
14 - 16	Intersection Details
17	Undercut Details
18	Structure Details
19	Lighting Plan
20	Pavement Marking Plan
21	Signage Plan
22	Sign Layout Details
23	Design Summary Tables
24	Structure Data and Pipe Material Tables
25	Underdrain Table
26	Pavement Marking Summary Table
27	Sheet Sign & Post Summary Tables
27 - 36	Cross Sections

REVISIONS		
SHEET NO.	DATE	REVISED

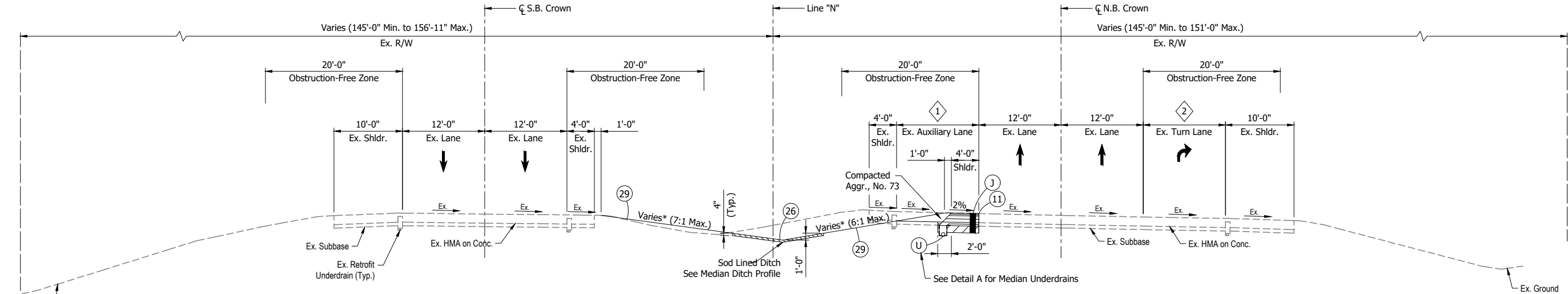
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	
DESIGNED: JPF	DRAWN: PJV
CHECKED: DGA	CHECKED: JPF

INDIANA DEPARTMENT OF TRANSPORTATION	
INDEX AND GENERAL NOTES	

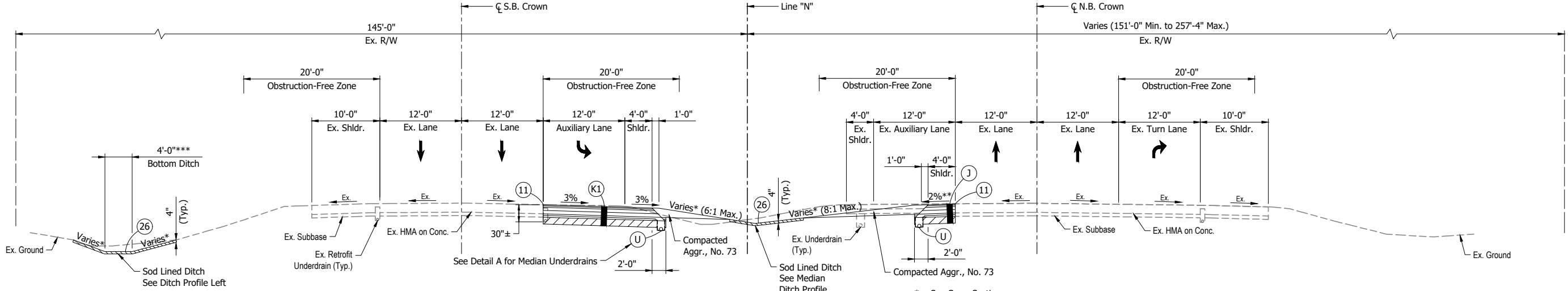
SCALE		BRIDGE FILE	
		DESIGNATION	
		2301097	
		SHEETS	
		2	of 36
		CONTRACT	
		R-45147	

JPF -- 8/3/2026 12:45 PM -- U:\2025\2025006 INDOT SR49 at Columet\Cad\Plan Set\Civil\Old\25006000TR_IS -- Pre-June Concept.dwg (TYP. SECT. 01)



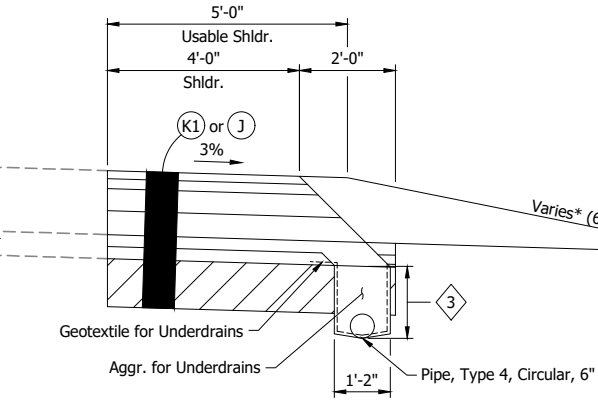
TYPICAL SECTION - LINE "N"
INCIDENTAL CONSTRUCTION
Sta. 959+60.00 to Sta. 961+72.11
Scale: $\frac{1}{8}" = 1'-0"$

- * See Cross Sections
- 1 Varies 0'-0" to 12'-0" From Sta. 960+03.00 to Sta. 960+94.00
12'-0" From Sta. 960+94.00 to Sta. 961+72.11
- 2 Varies 0'-0" to 12'-0" From Sta. 960+00.00 to Sta. 961+00.00
12'-0" From Sta. 961+00.00 to Sta. 961+72.11



TYPICAL SECTION - LINE "N"
Sta. 962+32.28 to Sta. 970+74.00
Scale: $\frac{1}{8}" = 1'-0"$

- * See Cross Sections
- ** 2.0% From Sta. 962+32.28 to Sta. 964+58.00
Transition From 2.0% to 0%
From Sta. 964+58.00 to Sta. 965+36.00
Transition From 0% to 2.0%
From Sta. 965+36.00 to Sta. 969+89.00



U DETAIL A - MEDIAN UNDERDRAIN
Scale: $\frac{1}{2}" = 1'-0"$

- 3 Median Right:
1.50' From Sta. 959+85.00 to Sta. 965+00.00
Varies 1.50' to 0.50' From Sta. 965+00.00 to Sta. 970+50.00
Varies 0.50' to 2.28' From Sta. 970+50.00 to Sta. 973+00.00
Varies 2.28' to 1.50' From Sta. 973+00.00 to Sta. 973+63.00
- Median Left:
Varies 0.50' to 1.35' From Sta. 962+00.00 to Sta. 965+00.00
Varies 1.35' to 0.50' From Sta. 965+00.00 to Sta. 970+50.00
0.50' From Sta. 970+50.00 to Sta. 973+00.00
Varies 0.50' to 1.50' From Sta. 973+00.00 to Sta. 973+63.00

NOTE:
For information regarding the U-turn geometry, refer to Sheet 14.

- LEGEND:**
- J Widening with HMA, Type C, Consisting of:
220 lb/sys HMA Surface, Type C, on
275 lb/sys HMA Intermediate, Type C, on
605 lb/sys HMA Base, Type C, on
660 lb/sys HMA Base, Type C, on
3 in. of Compacted Aggregate, No. 8, on
3 in. of Compacted Aggregate, No. 53, on
Subgrade Treatment, Type IC
- K1 220 #/sys QC/QA-HMA, 3, 58H, Surface, 9.5 mm on
275 #/sys QC/QA-HMA, 3, 58H, Intermediate, 19.0 mm on
605 #/sys QC/QA-HMA, 3, 58S, Base, 19.0 mm on
660 #/sys QC/QA-HMA, 3, 58S, Base, 19.0 mm on
3 in. of Compacted Aggregate, No. 8, on
3 in. of Compacted Aggregate, No. 53, on
Subgrade Treatment, Type IC
- U Underdrain
11 Saw Cut
26 Sodding
29 Mulched Seeding, Type U

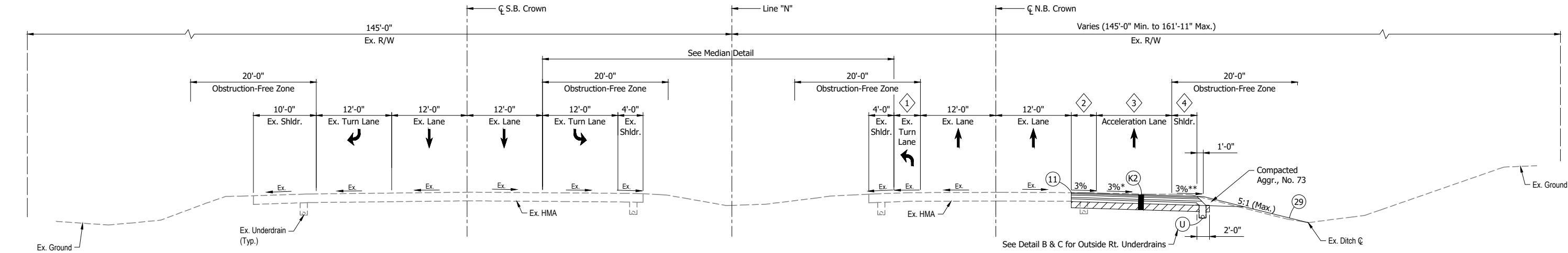
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JPF	DRAWN: PJV	
CHECKED: DGA	CHECKED: JPF	

INDIANA DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS LINE "N"

SCALE AS NOTED	BRIDGE FILE
	DESIGNATION 2301097
	SHEETS 3 of 36
	CONTRACT R-45147

JPF - 8/3/2026 12:46 PM - U:\2025\2025006 INDOT SR49 at Columet\Cad\Plan Set\Civil\01d\25006001R_IS - Pre-June Concept.dwg (TYP. SECT. 02)



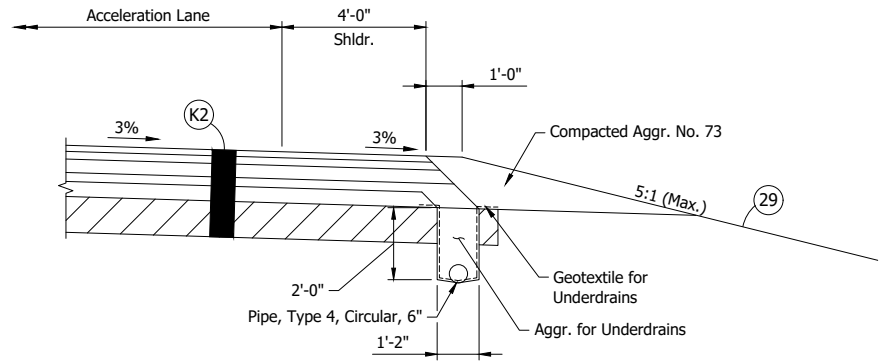
TYPICAL SECTION - LINE "N"
Sta. 972+05.20 to Sta. 975+95.00
Scale: 1/8" = 1'-0"

- 1 Varies 0'-0" to 12'-0" From Sta. 974+50.84 to Sta. 976+02.23
2 4'-0" From Sta. 972+05.20 to Sta. 972+75.00
Varies 4'-0" to 0'-0" From Sta. 972+75.00 to Sta. 975+35.00

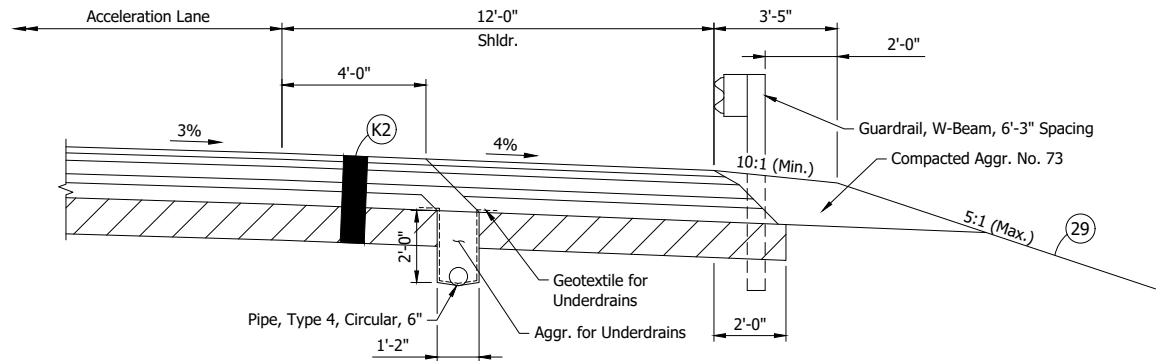
- 3 16'-0" From Sta. 972+05.20 to Sta. 972+75.57
Varies 16'-0" to 12'-0" From Sta. 972+75.57 to Sta. 974+35.04
12'-0" From Sta. 974+35.040 to Sta. 975+95.00
4 Varies 8'-8" to 4'-0" From Sta. 972+05.20 to Sta. 972+75.57
4'-0" From Sta. 972+75.57 to Sta. 975+47.20
12'-0" From Sta. 975+47.20 to Sta. 975+95.00

* Transition From 1.2% to 3.0%
From Sta. 975+05.20 to Sta. 972+75.57
3.0% From Sta. 972+72.57 to Sta. 975+00.00
Transition From 3.0% to 0.8%
From Sta. 975+00.00 to Sta. 975+95.00

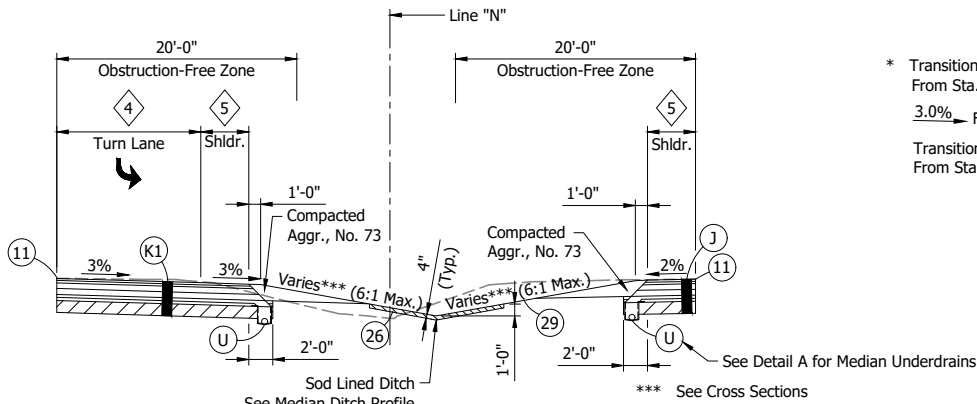
** Transition From 1.9% to 3.0%
From Sta. 975+05.20 to Sta. 972+75.57
3.0% From Sta. 972+72.57 to Sta. 975+00.00
Transition From 3.0% to 1.3%
From Sta. 975+00.00 to Sta. 975+95.00



U DETAIL B - RT. SIDE UNDERDRAIN
Sta. 972+05.20 to Sta. 975+47.20
Scale: 3/8" = 1'-0"

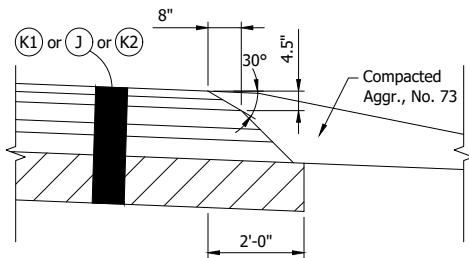


U DETAIL C - RT. SIDE UNDERDRAIN WITH GUARDRAIL
Sta. 975+47.20 to Sta. 975+95.00
Scale: 3/8" = 1'-0"



- 4 Varies 22'-0" to 12'-0" From Sta. 972+13.00 to From Sta. 973+63.00
5 4'-0" From Sta. 972+13.00 to From Sta. 973+63.00

MEDIAN DETAIL
Sta. 972+13.00 to Sta. 974+00.00
Scale: 1/8" = 1'-0"



SAFETY EDGE DETAIL
Scale: 1/2" = 1'-0"

LEGEND:

- J Widening with HMA, Type C, Consisting of:
220 lb/sys QC/QA-HMA Surface, Type C, on
275 lb/sys HMA Intermediate, Type C, on
605 lb/sys HMA Base, Type C, on
660 lb/sys HMA Base, Type C, on
3 in. of Compacted Aggregate, No. 8, on
3 in. of Compacted Aggregate, No. 53, on
Subgrade Treatment, Type IC
- K2 165 #/sys QC/QA-HMA, 4, 58E, Surface, 9.5 mm on
220 #/sys QC/QA-HMA, 4, 58E, Intermediate, 12.5 mm on
495 #/sys QC/QA-HMA, 4, 58H, Base, 25.0 mm on
400 #/sys QC/QA-HMA, 4, 58E, Intermediate, OG, 19.0 mm on
495 #/sys QC/QA-HMA, 4, 58H, Base, 25.0 mm on
Subgrade Treatment, Type IC on
Geogrid, Type IB
- U Underdrain
- 11 Saw Cut
- 26 Sodding
- 29 Mulched Seeding, Type U

NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL	
DESIGNED: JPF	DRAWN: GDH
CHECKED: DGA	CHECKED: JPF

INDIANA DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTIONS LINE "N"	

SCALE AS NOTED	BRIDGE FILE
	DESIGNATION 2301097
	SHEETS 4 of 36
	CONTRACT R-45147

DCA - 12/8/2025 11:04 AM - U:\2025\2025006 indot sr49 at columet\Cad\Plan Set\Civil\2500600MT_GN01.dwg (NOT GENERAL NOTES)

GENERAL NOTES:

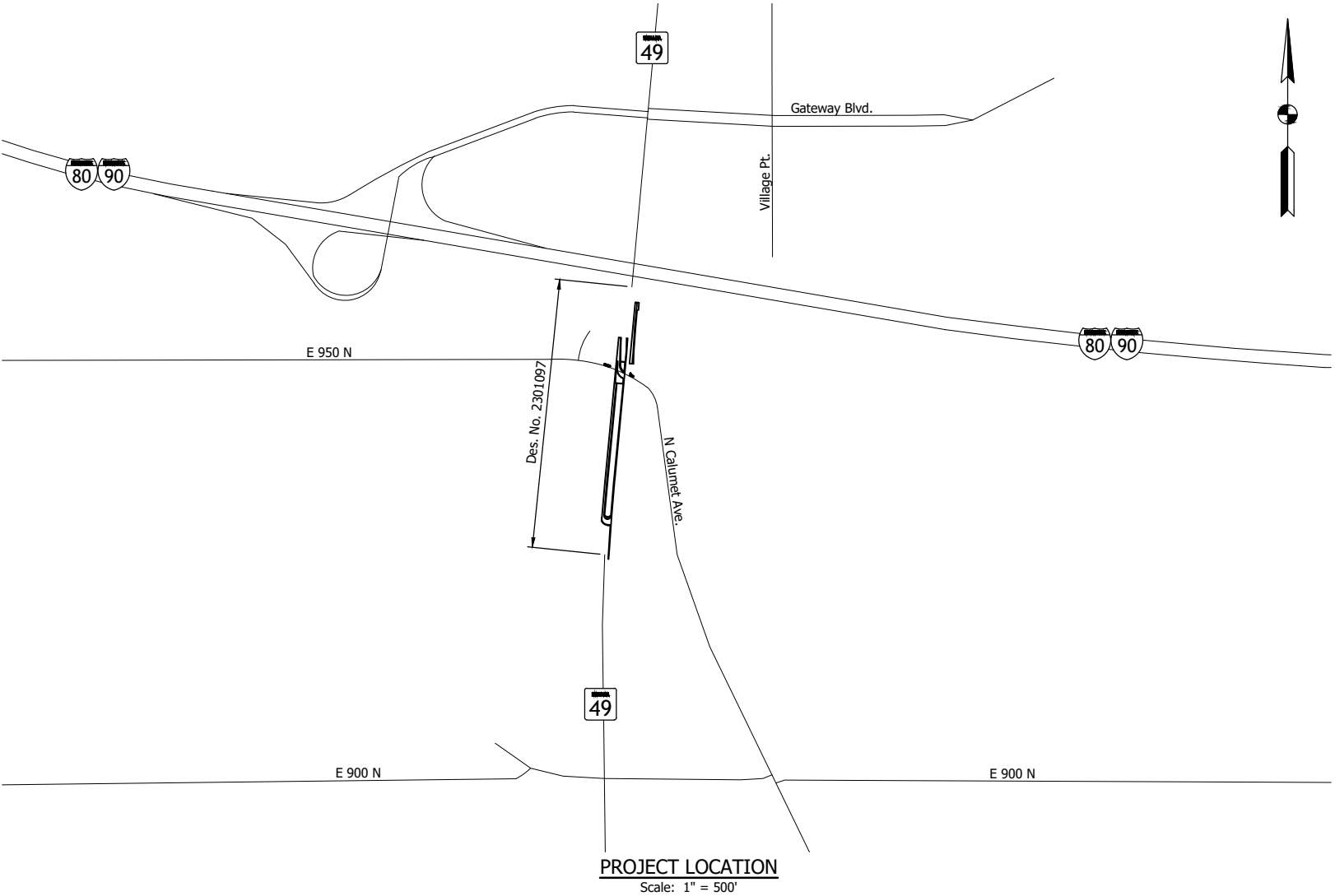
1. Install construction signs as shown on plans and as directed.
2. S.R. 49 shall remain open at all times and maintain at least one lane in each direction.
3. All type 'A' construction signs to have low intensity flashing yellow light, type 'A'.
4. All materials, procedures, signs, markings, and miscellaneous items shall conform to the requirements of the INDOT standard specifications and the Indiana Manual on Uniform Traffic Control Devices, and revisions there to.
5. Contractor shall coordinate with INDOT PE/PS to notify local fire department, police, ambulance services, and schools at least two weeks prior to any construction that would block or limit access.
6. The construction zone speed limit for S.R. 49: Northbound 45 mph (Design Speed = 55 mph).
Southbound 45 mph (Design Speed = 45 mph)
7. S.R. 49 traffic barrel spacing on tangent: 50 ft
S.R. 49 traffic barrel spacing on taper: 25 ft
8. S.R. 49 construction clear zone requirements: 55 mph - 23 ft for 4:1
45 mph - 16 ft for 4:1
9. Temporary Traffic Barrier Taper Rates: 45 mph - 12:1
55 mph - 16:1
10. Cover any existing speed limit signs that conflict with construction speed reduction.

PHASE I:

1. Construction activities shall include construction of outside shoulders, turn lanes, lighting fixtures and roadside ditches/storm structures. Public road approaches shall be constructed in this phase.

PHASE II:

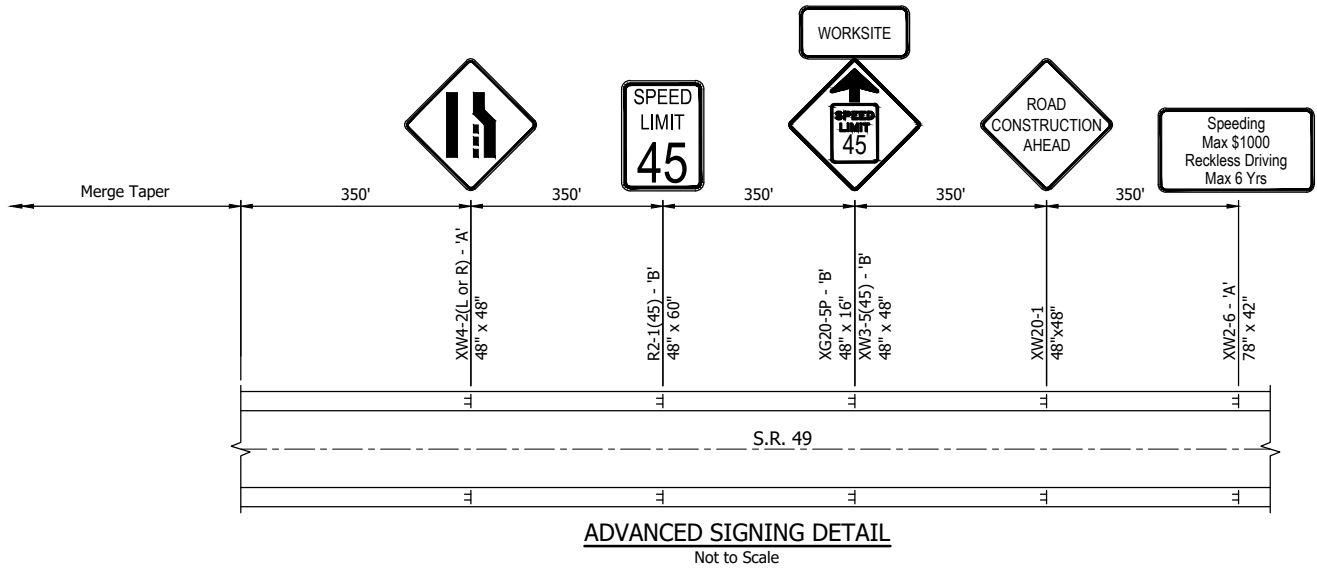
1. Construction activities shall include construction of median shoulders, turn lanes, raised median island, and median ditches/storm structures.



ESTIMATE OF QUANTITIES - CONTROLLING		
ITEM	QUANTITY	UNIT
Maintaining Traffic	1	Lump Sum
Construction Sign Type A	18	Each
Construction Sign Type B	22	Each
Temporary Pavement Marking, Removable, Solid, White, 6"	4625	ft
Temporary Pavement Marking, Removable, Solid, Yellow, 6"	8090	ft
Temporary Traffic Barrier, Type 2	3410	ft
Energy Absorbing Terminal, CZ, TL-2	2	Each
Temporary Pavement Marking, Removable, Black, 5"	291	ft
Barricade, Type III-B	156	ft
Flashing Arrow Board	120	Days

ESTIMATE OF QUANTITIES - PHASE I		
ITEM	QUANTITY	UNIT
Maintaining Traffic	1	Lump Sum
Construction Sign Type A	18	Each
Construction Sign Type B	21	Each
Temporary Pavement Marking, Removable, Solid, White, 6"	4625	ft
Temporary Pavement Marking, Removable, Solid, Yellow, 6"	2745	ft
Temporary Traffic Barrier, Type 2	1030	ft
Energy Absorbing Terminal, CZ, TL-2	2	Each
Temporary Pavement Marking, Removable, Black, 5"	164	ft
Barricade, Type III-B	156	ft
Flashing Arrow Board	120	Days

ESTIMATE OF QUANTITIES - PHASE II		
ITEM	QUANTITY	UNIT
Maintaining Traffic	1	Lump Sum
Construction Sign Type A	16	Each
Construction Sign Type B	17	Each
Temporary Pavement Marking, Removable, Solid, Yellow, 6"	5345	ft
Temporary Traffic Barrier, Type 2	3410	ft
Energy Absorbing Terminal, CZ, TL-2	2	Each
Temporary Pavement Marking, Removable, Black, 5"	127	ft
Flashing Arrow Board	120	Days



NOT FOR
CONSTRUCTION

RECOMMENDED
FOR APPROVAL _____
DESIGN ENGINEER DATE

DESIGNED: JPF DRAWN: PJV

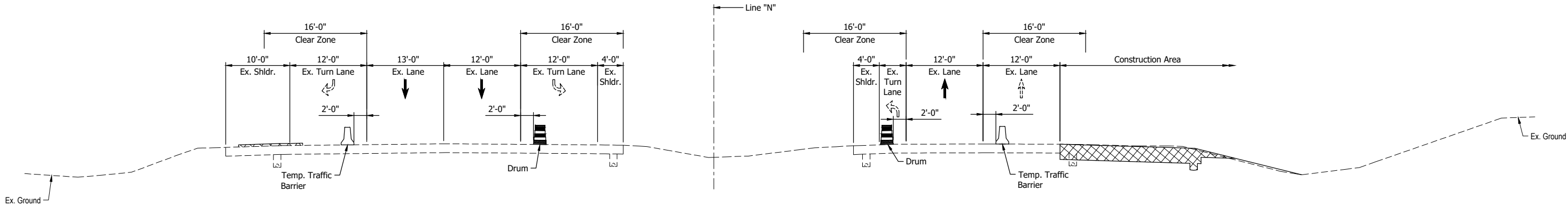
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INDIANA
DEPARTMENT OF TRANSPORTATION

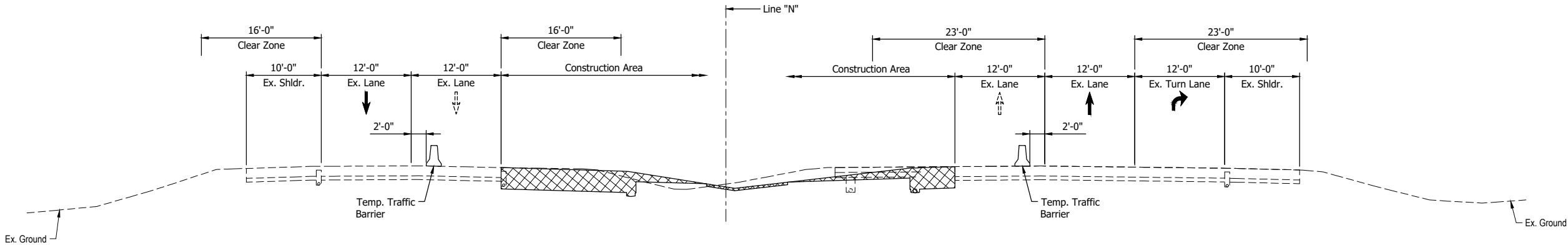
MAINTENANCE OF TRAFFIC
GENERAL NOTES

SCALE	BRIDGE FILE
AS SHOWN	
	DESIGNATION
	2301097
	SHEETS
5	of 36
	CONTRACT
	R-45147

DCA - 12/8/2025 11:05 AM - U:\2025\2025006 indot sr49 at columet\Cad\Plan Set\Civil\2500600MT_TS.dwg (MOT TYP. SECT.)



MOT TYPICAL SECTION PHASE I - LINE "N"
Scale: 1/8" = 1'-0"



MOT TYPICAL SECTION PHASE II - LINE "N"
Scale: 1/8" = 1'-0"

LEGEND:

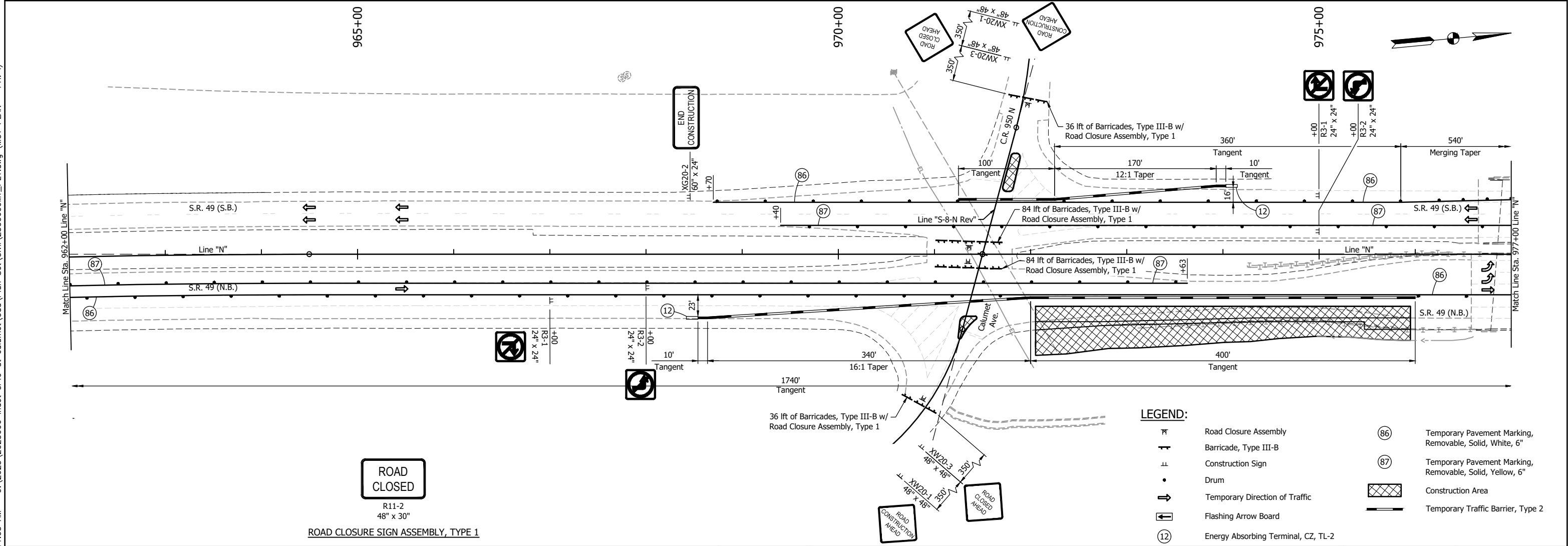
- Existing Travel Direction
Construction Area

NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: CJE	DRAWN: GDH	
CHECKED: DGA	CHECKED: JPF	

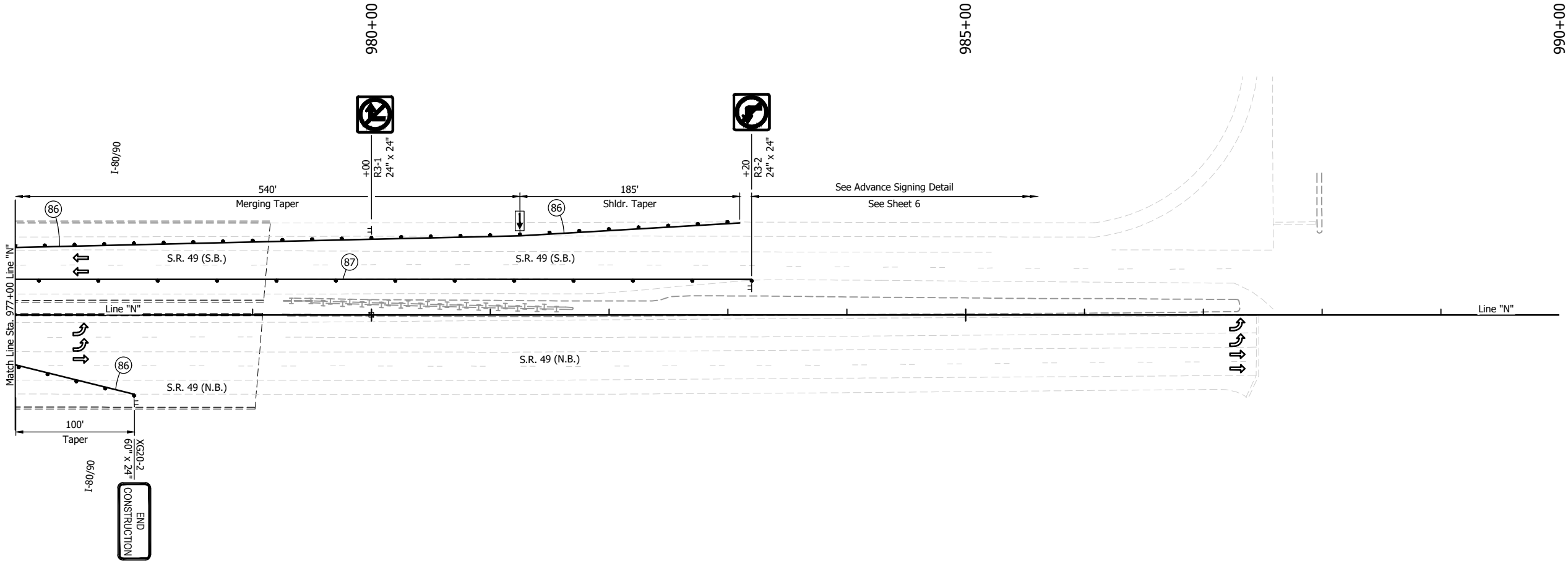
INDIANA DEPARTMENT OF TRANSPORTATION
MAINTENANCE OF TRAFFIC TYPICAL SECTIONS

SCALE 1/8" = 1'-0"	BRIDGE FILE
	DESIGNATION 2301097
	SHEETS 6 of 36
	CONTRACT R-45147



NOT FOR CONSTRUCTION	RECOMMENDED FOR APPROVAL _____ _____ DESIGN ENGINEER _____ DATE _____		INDIANA DEPARTMENT OF TRANSPORTATION		SCALE		BRIDGE FILE	
					1" = 50'		DESIGNATION	
							2301097	
	DESIGNED: JPF		DRAWN: GDH		MAINTENANCE OF TRAFFIC PHASE I		SHEETS 7 of 36 CONTRACT R-45147	
	CHECKED: DGA		CHECKED: JPF					

DCA - 12/8/2025 11:04 AM - U:\2025\2025006 indot sr49 at columet\Cad\Plan Set\Civil\2500600MT_PL1.dwg (MOT PLAN - PH. I (2))



LEGEND:

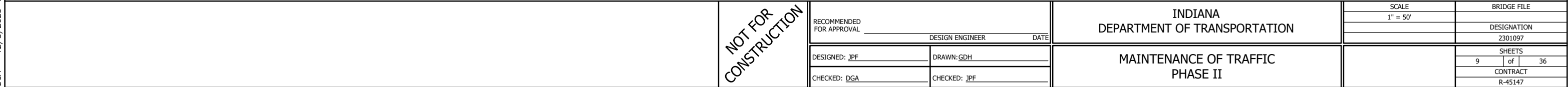
- (86) Temporary Pavement Marking, Removable, Solid, White, 6"
- (87) Temporary Pavement Marking, Removable, Solid, Yellow, 6"
- ⊥ Construction Sign
- Drum
- Temporary Direction of Traffic
- ← Flashing Arrow Board

NOT FOR
CONSTRUCTION

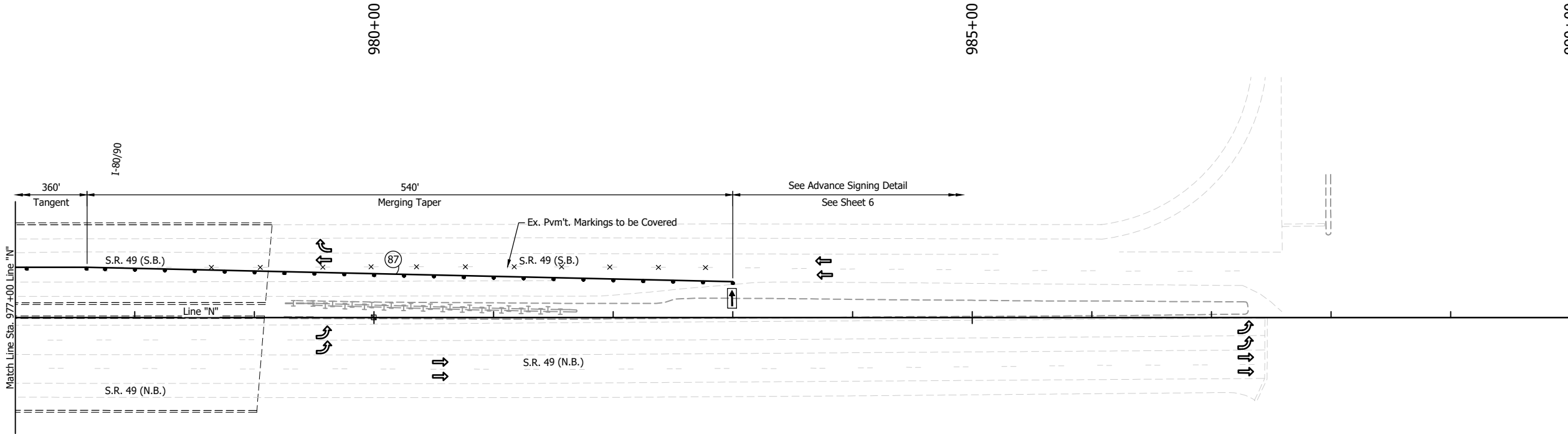
RECOMMENDED FOR APPROVAL _____	
DESIGNED: JPF	DRAWN: GDH
CHECKED: DGA	CHECKED: JPF

INDIANA DEPARTMENT OF TRANSPORTATION	
MAINTENANCE OF TRAFFIC PHASE I	

SCALE 1" = 50'	
BRIDGE FILE	
DESIGNATION 2301097	
SHEETS	
8	of 36
CONTRACT R-45147	



DCA - 12/8/2025 11:06 AM - U:\2025\2025006 indot sr49 at columet\Cad\Plan Set\Civil\2500600MT_PL2.dwg (MOT PLAN - PH. II (2))



- LEGEND:
- Temporary Pavement Marking, Removable, Solid, Yellow, 6"
 - Construction Sign
 - Drum
 - Temporary Direction of Traffic
 - Flashing Arrow Board

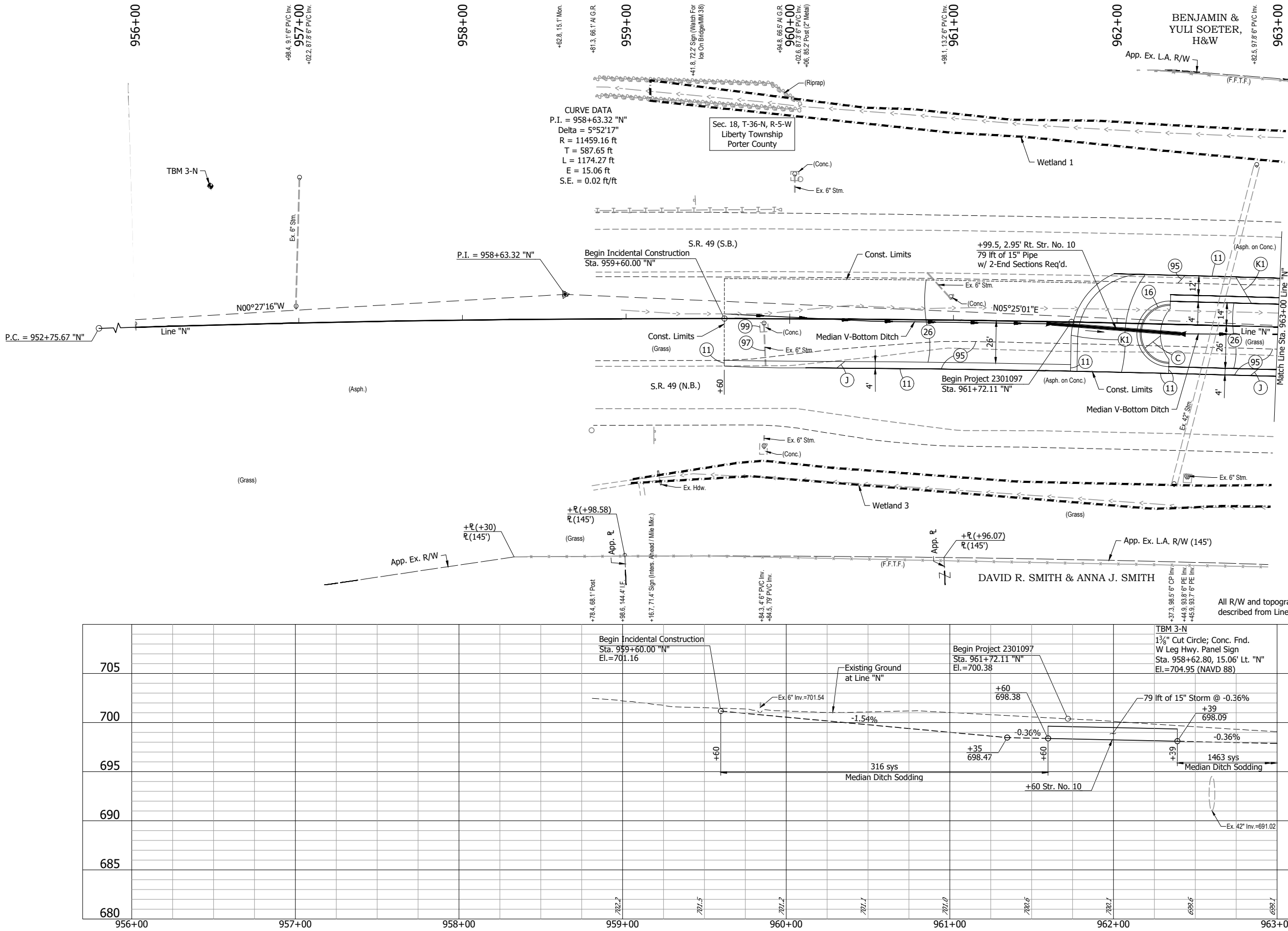
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	
DESIGNED: JPF	DRAWN: GDH
CHECKED: DGA	CHECKED: JPF

INDIANA DEPARTMENT OF TRANSPORTATION	
MAINTENANCE OF TRAFFIC PHASE II	

SCALE 1" = 50'	
BRIDGE FILE	
DESIGNATION 2301097	
SHEETS	
10	of 36
CONTRACT R-45147	

JPF -- 8/3/2026 12:59 PM -- U:\2025\2025006 INDOT SR49 at Calumet\Cad\Plan Set\Civil\2500600TR_PP01.dwg (P & P -- 956--963)

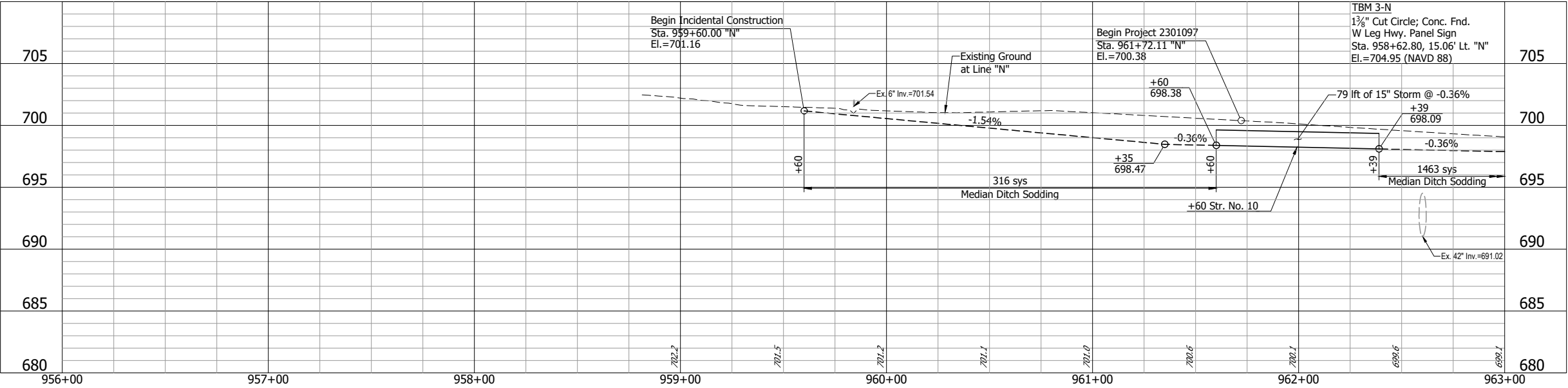


EARTHWORK BALANCE	
Line "N"	
Fill +25%	= 720 cys
Common Excavation	= 3720 cys
B-Borrow	= 0 cys
Waste	= 3000 cys
Benching*	= 55 cys
Undercut	= 275 cys

*For Information Only

LEGEND:

- (C) PCCP, 8 in. on 13 in. of Compacted Aggregate, No. 53 on (Or As Needed to Match Existing Adjacent Mainline Pavement Thickness) Subgrade Treatment, Type IC
- (J) Widening with HMA, Type C, Consisting of: 220 lb/sys HMA Surface, Type C, on 275 lb/sys HMA Intermediate, Type C, on 605 lb/sys HMA Base, Type C, on 660 lb/sys HMA Base, Type C, on 3 in. of Compacted Aggregate, No. 8, on 3 in. of Compacted Aggregate, No. 53, on Subgrade Treatment, Type IC
- (K1) 220 #/sys QC/QA-HMA, 3, 58H, Surface, 9.5 mm on 275 #/sys QC/QA-HMA, 3, 58H, Intermediate, 19.0 mm on 605 #/sys QC/QA-HMA, 3, 58S, Base, 19.0 mm on 660 #/sys QC/QA-HMA, 3, 58S, Base, 19.0 mm on 3 in. of Compacted Aggregate, No. 53, on Subgrade Treatment, Type IC
- (11) Saw Cut
- (16) Combined Concrete Curb and Gutter, Type B
- (26) Sodding
- (95) Pavement Removal
- (97) Pipe Abandon Grout and Fill
- (99) Remove

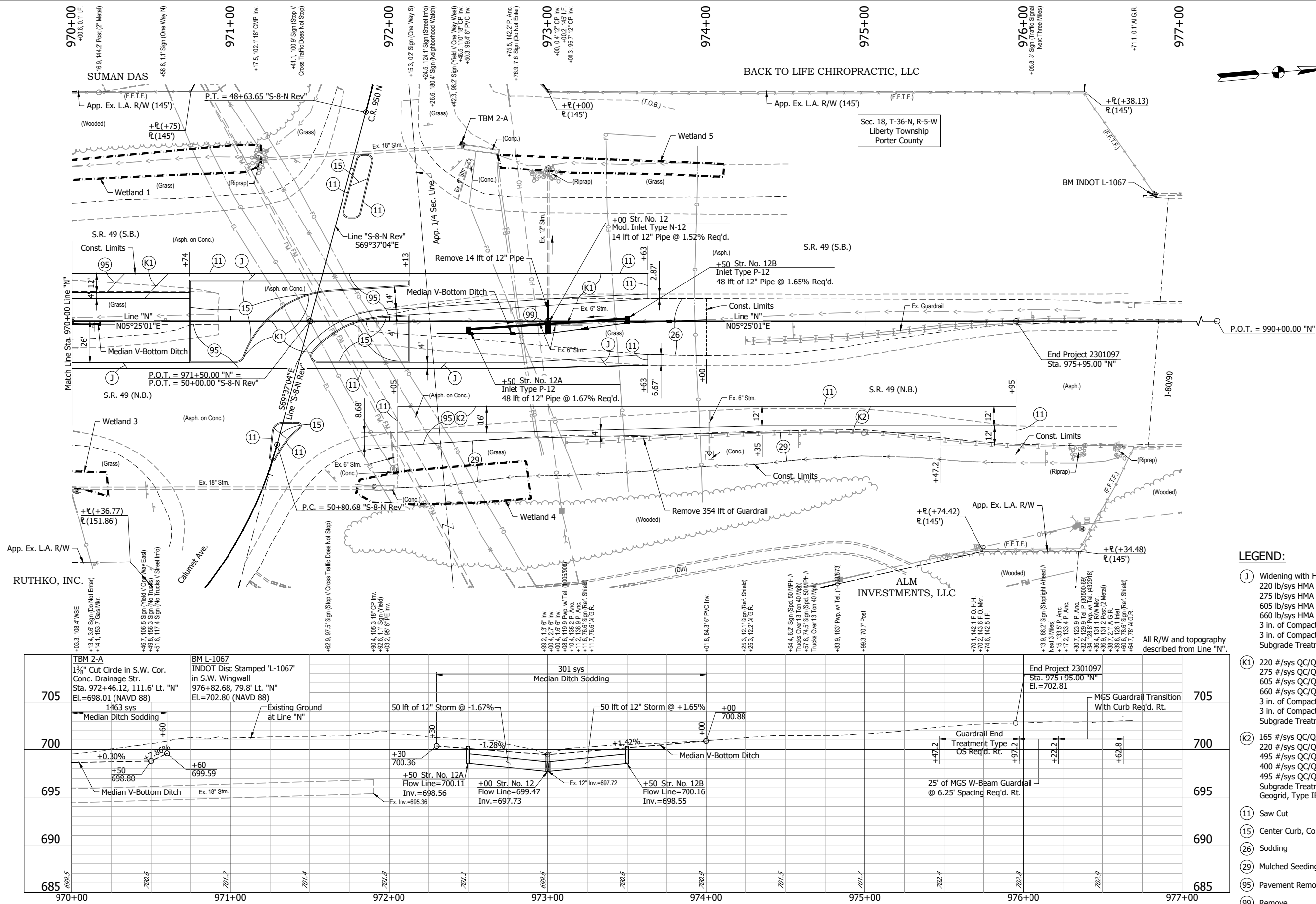


NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL	
DESIGNED: JPF	DRAWN: GDH
CHECKED: DGA	CHECKED: JPF

INDIANA DEPARTMENT OF TRANSPORTATION	
PLAN AND PROFILE - LINE "N" STA. 956+00 TO STA. 963+00	

HORIZONTAL SCALE 1" = 30'		BRIDGE FILE	
VERTICAL SCALE 1" = 5'		DESIGNATION 2301097	
		SHEETS	
		11	of 36
		CONTRACT R-45147	



- LEGEND:**
- (J) Widening with HMA, Type C, Consisting of:
220 lb/sys HMA Surface, Type C, on
275 lb/sys HMA Intermediate, Type C, on
605 lb/sys HMA Base, Type C, on
660 lb/sys HMA Base, Type C, on
3 in. of Compacted Aggregate, No. 8, on
3 in. of Compacted Aggregate, No. 53, on
Subgrade Treatment, Type IC
 - (K1) 220 #/sys QC/QA-HMA, 3, 58H, Surface, 9.5 mm on
275 #/sys QC/QA-HMA, 3, 58H, Intermediate, 19.0 mm on
605 #/sys QC/QA-HMA, 3, 58S, Base, 19.0 mm on
660 #/sys QC/QA-HMA, 3, 58S, Base, 19.0 mm on
3 in. of Compacted Aggregate, No. 8, on
3 in. of Compacted Aggregate, No. 53, on
Subgrade Treatment, Type IC
 - (K2) 165 #/sys QC/QA-HMA, 4, 58E, Surface, 9.5 mm on
220 #/sys QC/QA-HMA, 4, 58E, Intermediate, 12.5 mm on
495 #/sys QC/QA-HMA, 4, 58H, Base, 25.0 mm on
400 #/sys QC/QA-HMA, 4, 58E, Intermediate, OG, 19.0 mm on
495 #/sys QC/QA-HMA, 4, 58H, Base, 25.0 mm on
Subgrade Treatment, Type IC on
Geogrid, Type IB
 - (11) Saw Cut
 - (15) Center Curb, Concrete, Type B
 - (26) Sodding
 - (29) Mulched Seeding, Type U
 - (95) Pavement Removal
 - (99) Remove

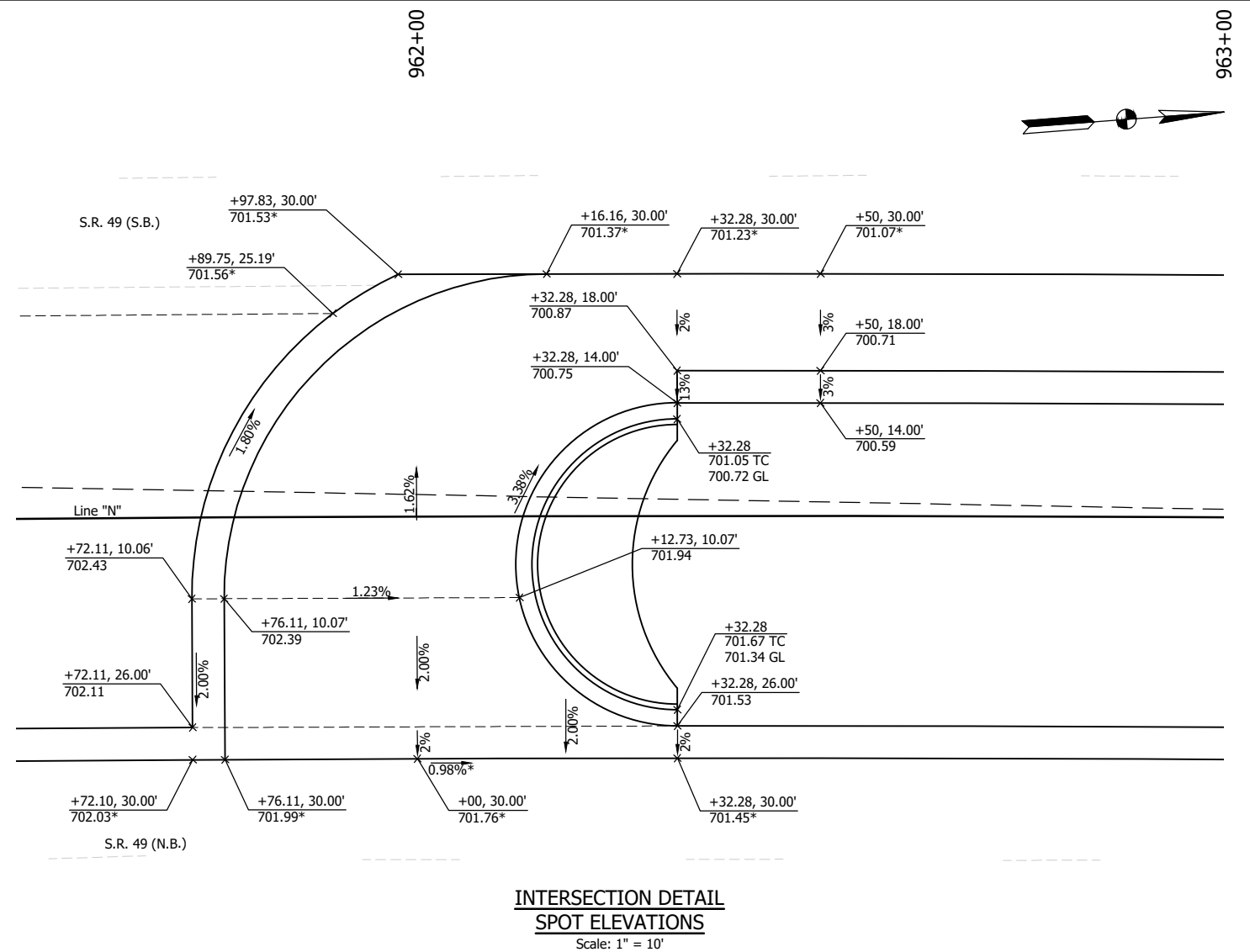
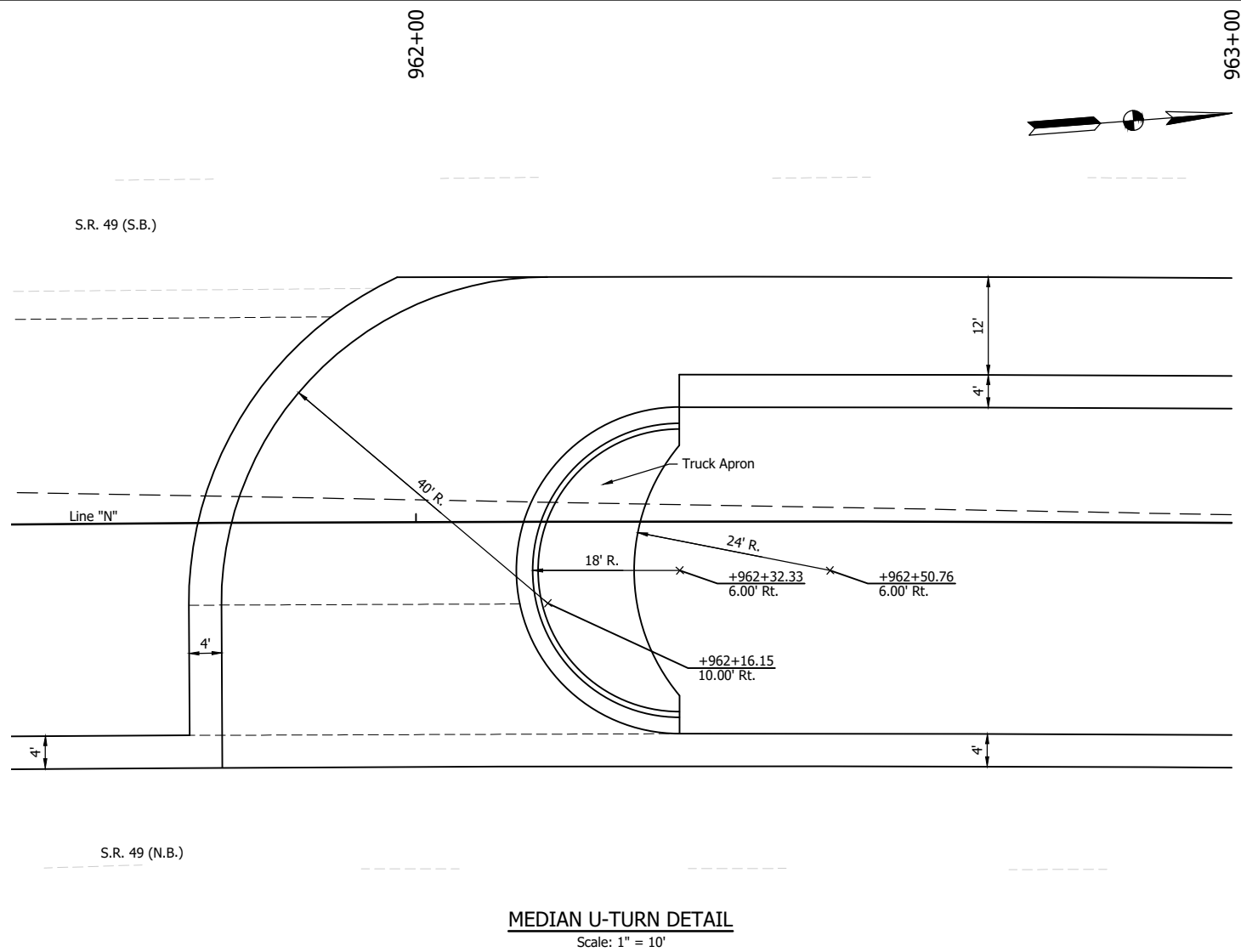
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL	
DESIGNED: JPF	DRAWN: GDH
CHECKED: DGA	CHECKED: JPF

INDIANA
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE - LINE "N"
STA. 970+00 TO STA. 977+00

HORIZONTAL SCALE		BRIDGE FILE	
1" = 30'			
VERTICAL SCALE		DESIGNATION	
1" = 5'		2301097	
		SHEETS	
		13	of 36
		CONTRACT	
		R-45147	



LEGEND:

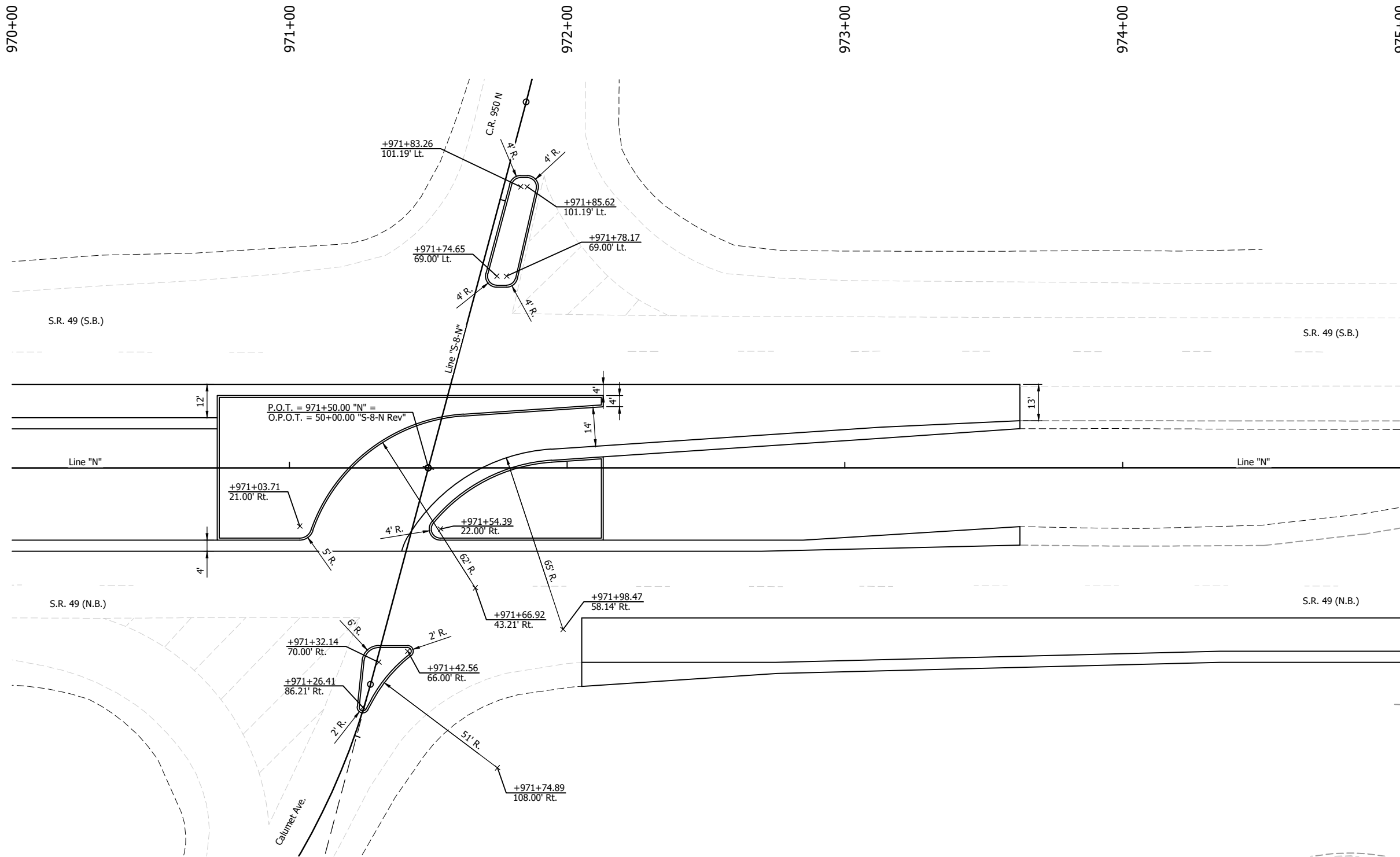
* Existing Elevation

GL Gutter Line Elevation

TC Top of Curb Elevation

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____		DATE _____		INDIANA DEPARTMENT OF TRANSPORTATION						SCALE 1" = 10'		BRIDGE FILE	
						INTERSECTION DETAILS MEDIAN U-TURN								DESIGNATION 2301097	
DESIGNED: JPF		DRAWN: GDH													
CHECKED: DGA		CHECKED: JPF													
												SHEETS 14 of 36		CONTRACT R-45147	

GDH -- 12/8/2025 11:05 AM -- U:\2025\2025006 indot sr49 at columet\Cad\Plan Set\Civil\2500600TR_ID02.dwg (INTER. DETAILS)

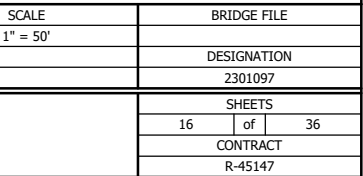


NOT FOR
CONSTRUCTION

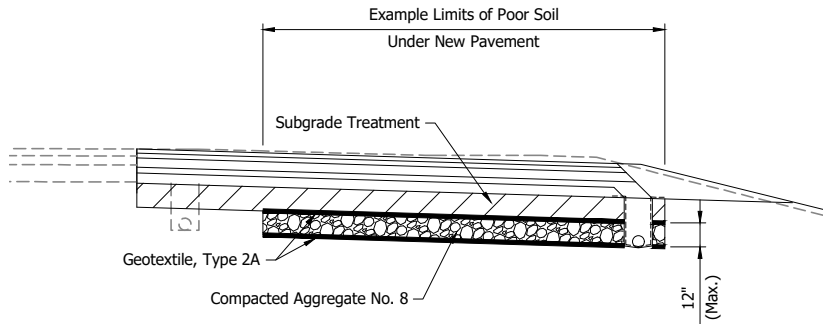
RECOMMENDED FOR APPROVAL _____	
DESIGNED: JPF	DRAWN: GDH
CHECKED: DGA	CHECKED: JPF
DESIGN ENGINEER _____ DATE _____	

INDIANA DEPARTMENT OF TRANSPORTATION	INTERSECTION DETAIL	

SCALE 1" = 20'		BRIDGE FILE	
		DESIGNATION 2301097	
		SHEETS 15 of 36	
		CONTRACT R-45147	

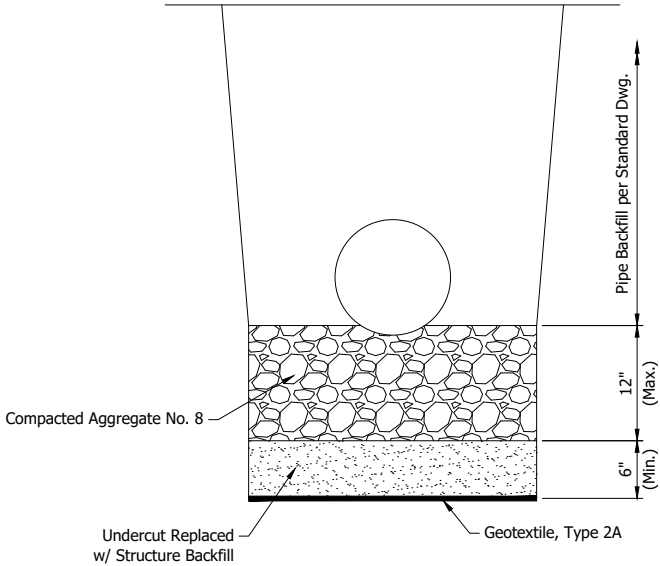


JPF -- 8/3/2026 1:10 PM -- U: \\2025\2025006 INDOT SR49 at Columet\Cad\Plan Set\Civil\2500600TR_CN01.dwg (UNDERCUT DETAILS)



PAVEMENT UNDERCUT DETAIL
Scale: 1/4" = 1'-0"

NOTE:
Per the Geotechnical Report, poor soils may be present from Sta. 961+72 to 975+95. It is recommended these soils be removed and replaced to a maximum depth of 12 inches where ever poor soil is found under new pavement. The report estimates that approximately 20 percent of the new pavement area may require this undercut.



PIPE UNDERCUT DETAIL
Scale: 1" = 10'

NOTE:
Per the Geotechnical Report, 20% of the excavated area for pipe installation will likely require undercut. A maximum of 12" of the existing soil shall be undercut with a minimum 6" thick bedding layer of structure backfill placed below it.

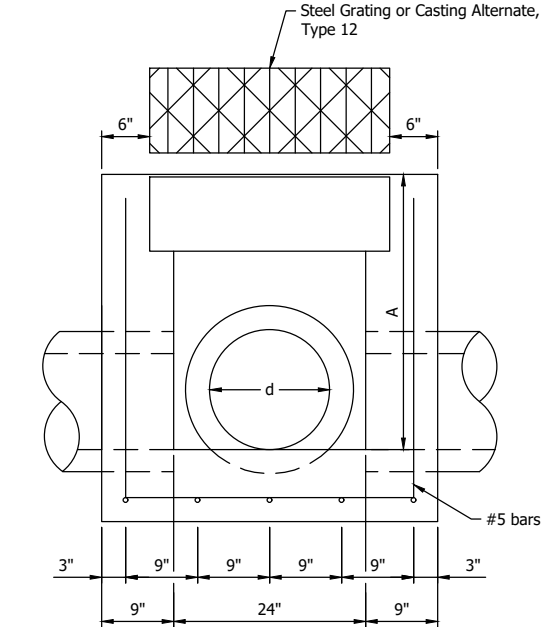
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	
DESIGNED: JPF	DRAWN: GDH
CHECKED: DGA	CHECKED: JPF

INDIANA DEPARTMENT OF TRANSPORTATION	
UNDERCUT DETAILS	

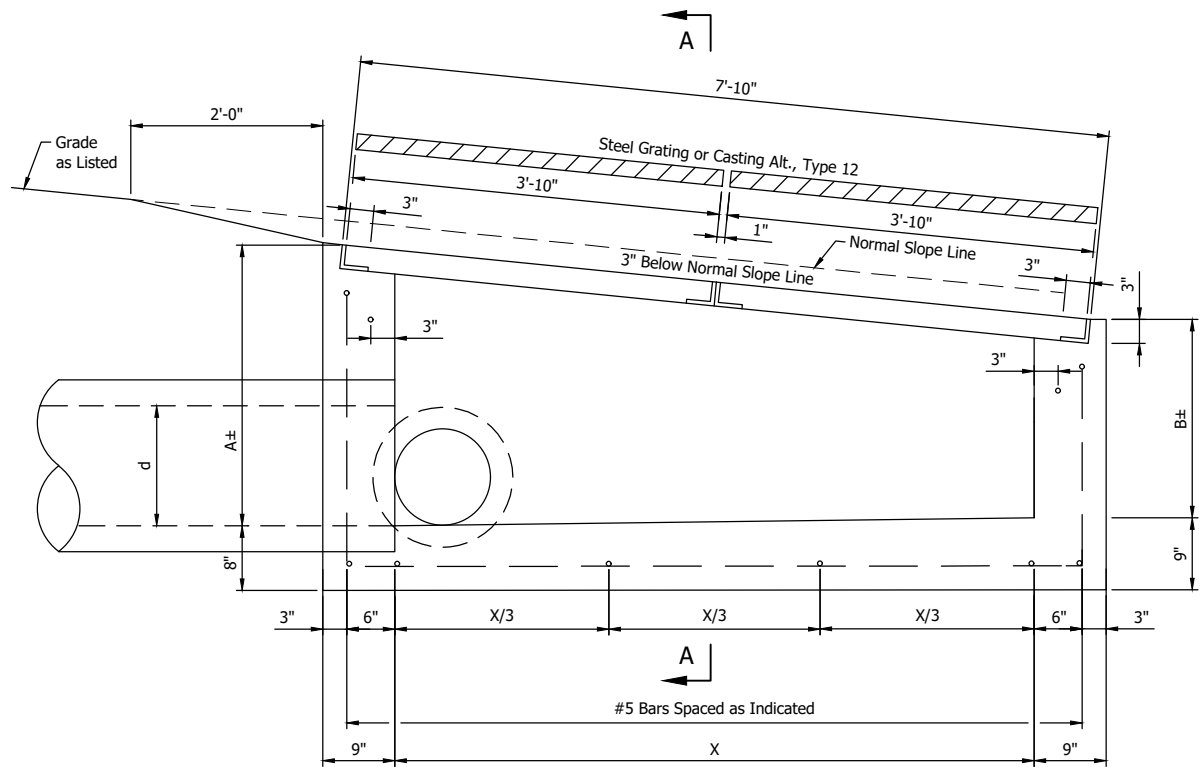
SCALE AS NOTED		BRIDGE FILE	
		DESIGNATION 2301097	
		SHEETS 17 of 36	
		CONTRACT R-45147	

DCA - 12/8/2025 11:05 AM - U:\2025\2025006 indot sr49 at columet\Cad\Plan Set\Civil\2500600TR_DT01.dwg (STRUC. DETAILS)



SECTION A-A
Scale: 1" = 1'-0"

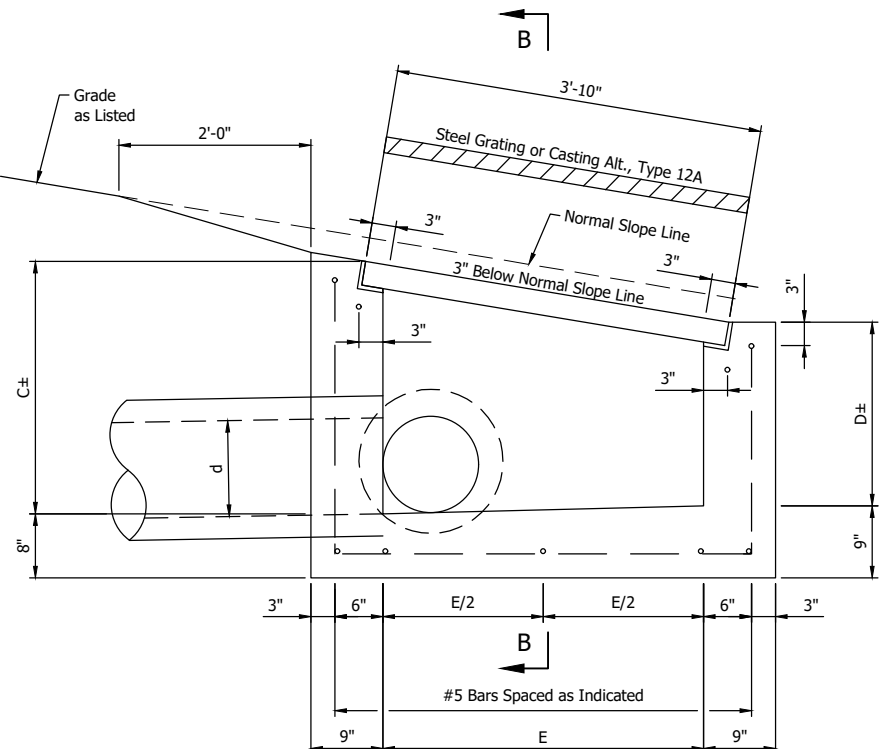
INLET TYPE N-12 DIMENSIONS					
STR. NO.	PIPE SIZE (d)	GRADE	A	B	X
11	18"	6:1	30"	13 1/4"	7' - 1 3/4"
12	12"	6:1	31 3/4"	16 7/8"	7' - 1 3/4"



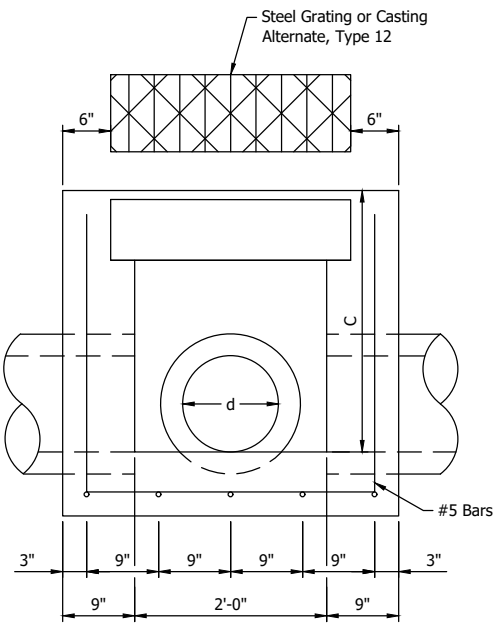
MODIFIED INLET TYPE N-12 SECTION
Scale: 1" = 1'-0"

INLET TYPE P-12 DIMENSIONS					
STR. NO.	PIPE SIZE (d)	GRADE	C	D	E
11A	15"	6:1	22 1/2"	13 1/2"	3' - 3 3/4"
11B	15"	6:1	22 1/8"	13 1/8"	3' - 3 3/4"
12A	12"	8:1	---	---	---
12B	12"	6:1	---	---	---

"---" Denotes the Inlet Follows the Standard Dimension



MODIFIED INLET TYPE P-12 SECTION
Scale: 1" = 1'-0"



SECTION B-B
Scale: 1" = 1'-0"

NOTE:
Refer to standard drawings E 720-INST for additional details and standard dimensions.

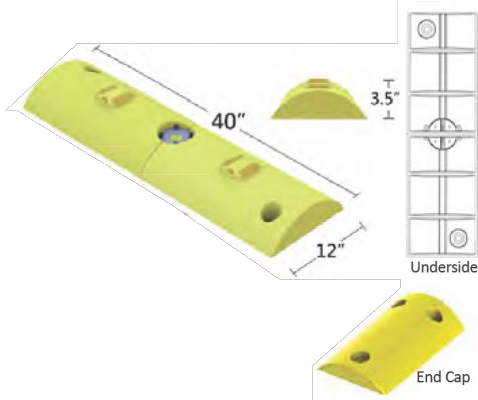
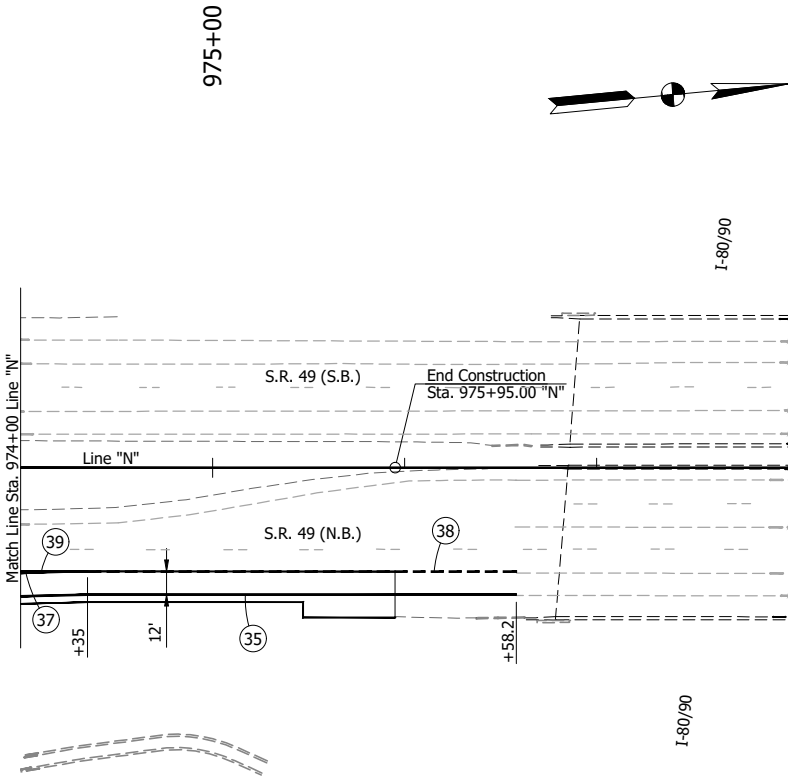
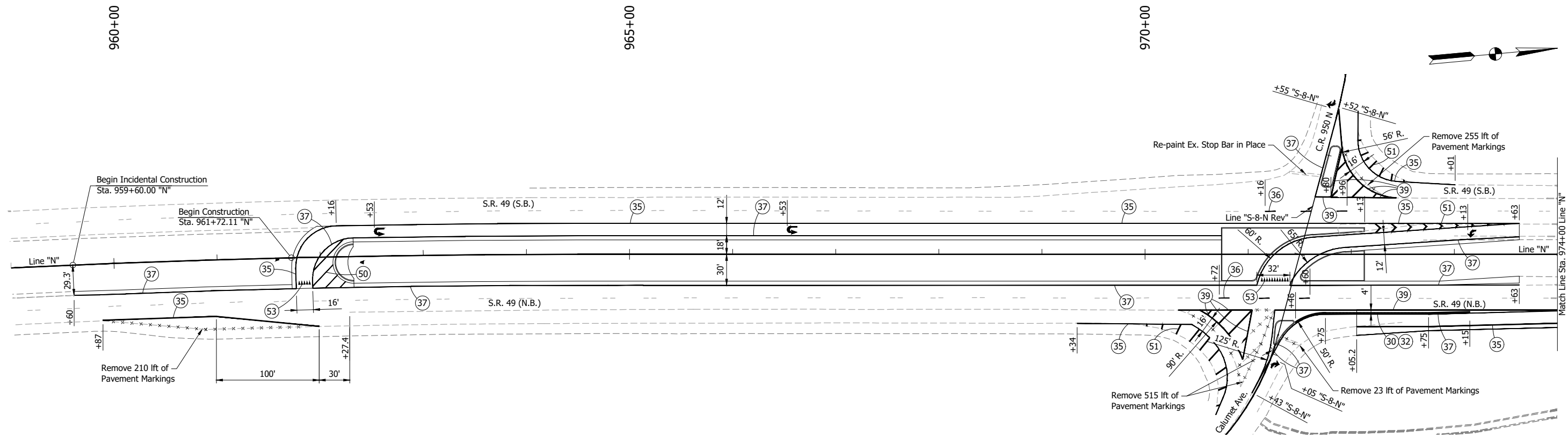
NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE	
DESIGNED: JPF	DRAWN: PJV
CHECKED: DGA	CHECKED: JPF

INDIANA DEPARTMENT OF TRANSPORTATION	
MODIFIED STRUCTURE DETAILS	

SCALE AS NOTED		BRIDGE FILE	
		DESIGNATION 2301097	
		SHEETS 18 of 36	
		CONTRACT R-45147	

JPF -- 8/4/2026 7:57 AM -- U:\2025\2025006 INDOT SR49 at Columet\Cad\Plan Set\Civil\Old\2500600PM_PL01.dwg (P\MT. MRKC.)



LANE SEPARATOR, TUFF CURB DETAIL
Shown for reference used in design.
Not to Scale

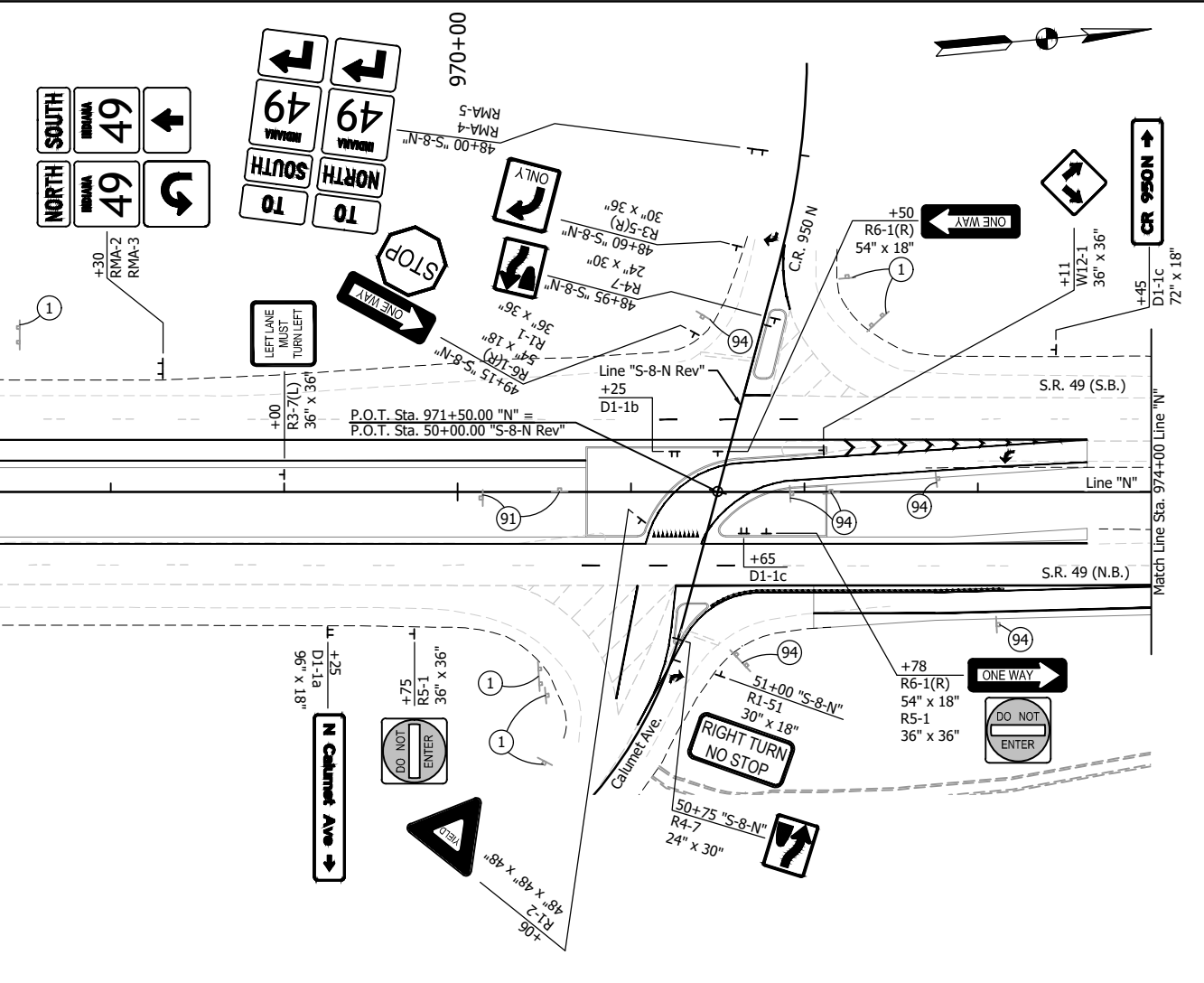
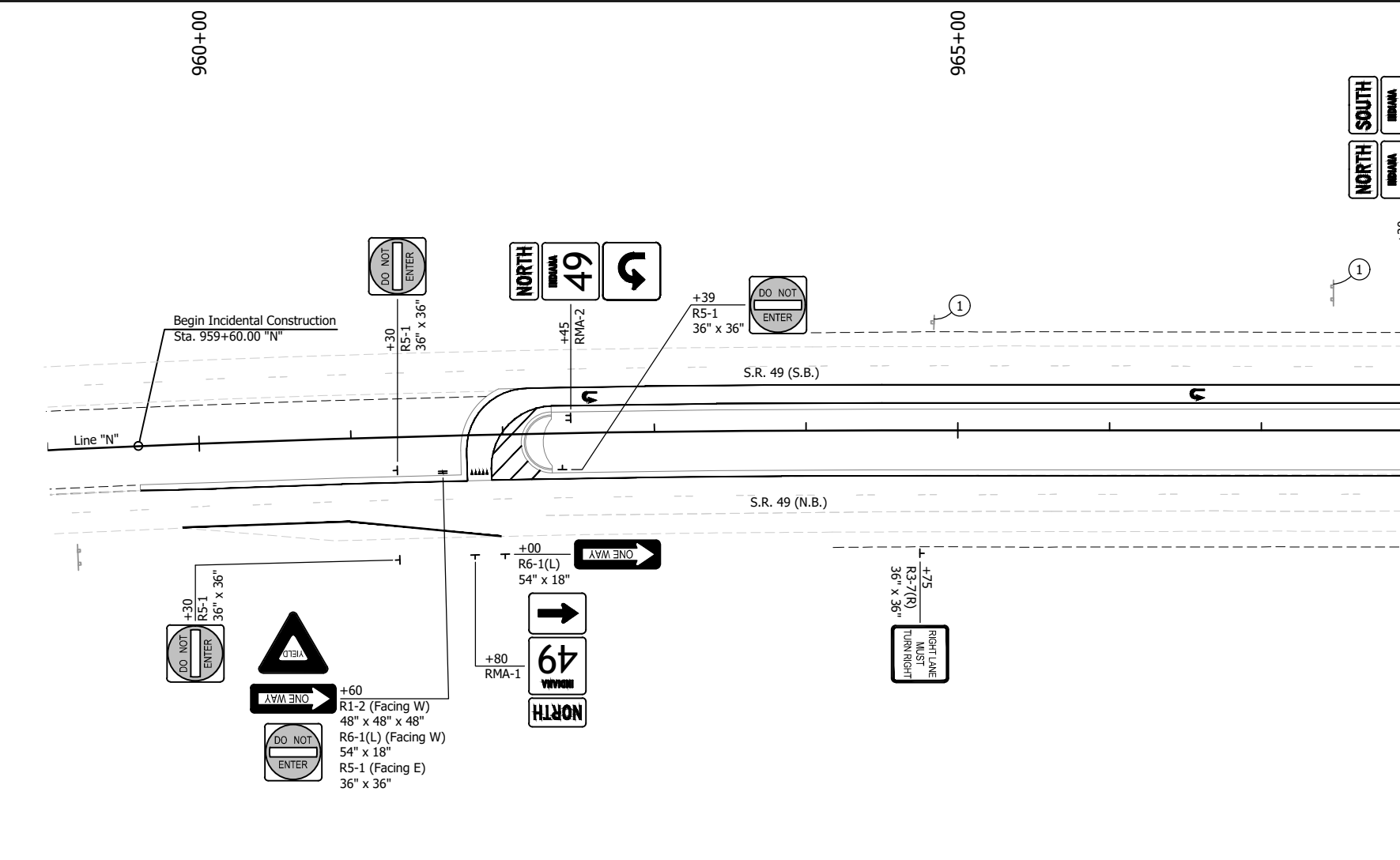
- LEGEND:**
- (30) Lane Separator, Tuff Curb
 - (32) Delineator Post, Flexible, Type II
 - (35) Line, Multi-Component, Solid, White, 6"
 - (36) Line, Multi-Component, Broken, White, 6"
 - (37) Line, Multi-Component, Solid, Yellow, 6"
 - (38) Line, Multi-Component, Dotted, White, 10"
 - (39) Line, Multi-Component, Solid, White, 10"
 - (50) Transverse Marking, Multi-Component, Solid, Yellow, Cross Hatch, 12"
 - (51) Transverse Marking, Multi-Component, Solid, White, Cross Hatch, 12"
 - (53) Transverse Marking, Multi-Component, Yield Line, White, 18"
 - ↖ or ↗ or ↘ Pavement Message Marking, Multi-Component, Turn Arrow

NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	
DESIGNED: JPF	DRAWN: GDH
CHECKED: DGA	CHECKED: JPF

INDIANA DEPARTMENT OF TRANSPORTATION	
PAVEMENT MARKING PLAN	

SCALE 1" = 50'	BRIDGE FILE
	DESIGNATION 2301097
	SHEETS 20 of 36
	CONTRACT R-45147



- ① No Change Required to Existing Sign and Support
- ⑨1 Sign, Ground Mounted, Reset
- ⑨4 Remove, Sheet Sign and Supports
- ┐ Ground Mounted Sign (Single Post)
- ┌ Ground Mounted Sign (Double Post)

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JPF	DRAWN:GDH	
CHECKED: DGA	CHECKED: JPF	

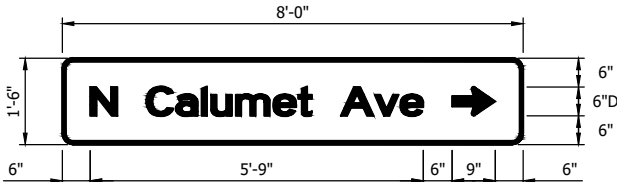
SIGNING PLAN

SCALE	BRIDGE FILE		
1" = 50'			
	DESIGNATION		
	2301097		
	SHEETS		
	21	of	
	CONTRACT		
	R-45147		

U:\2025\2025006 indot sr49 at calumet\Cad\Plan Set\Civil\2500600SN_DT01.dwg (SIGN DETAIL) 12/8/2025 11:06 AM - U:\2025\2025006 indot sr49 at calumet\Cad\Plan Set\Civil\2500600SN_DT01.dwg (SIGN DETAIL)

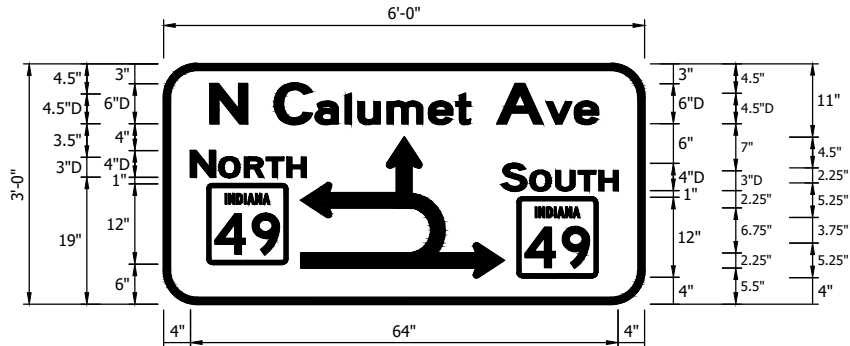
SIGN NUMBER	D1-1a
WIDTH x HGHT.	8'-0" x 1'-6"
BORDER WIDTH	0.75"
CORNER RADIUS	2.25"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

BORDER
R=2.25"
TH=0.75"



Sta. 969+25.00 "N" Rt.

SIGN NUMBER	D1-1b
WIDTH x HGHT.	6'-0" x 3'-0"
BORDER WIDTH	1"
CORNER RADIUS	5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

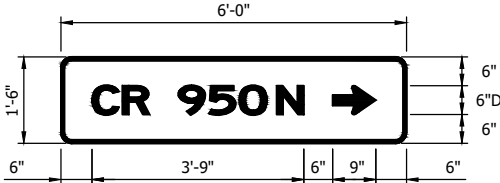


BORDER
R=5"
TH=1"

Sta. 971+25.00 "N" Lt.

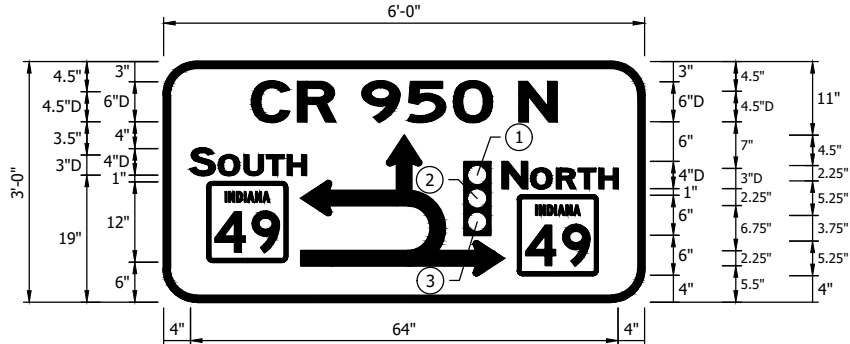
SIGN NUMBER	D1-1d
WIDTH x HGHT.	6'-0" x 1'-6"
BORDER WIDTH	0.75"
CORNER RADIUS	2.25"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

BORDER
R=2.25"
TH=0.75"



Sta. 972+45.00 "N" Lt.

SIGN NUMBER	D1-1c
WIDTH x HGHT.	6'-0" x 3'-0"
BORDER WIDTH	1"
CORNER RADIUS	5"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White



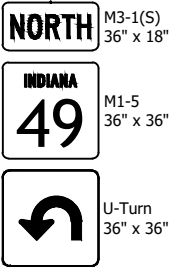
BORDER
R=5"
TH=1"

Sta. 971+65.00 "N" Rt.

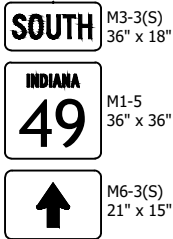
- ① Color: Red, Reflective
② Color: Yellow, Reflective
③ Color: Green, Reflective



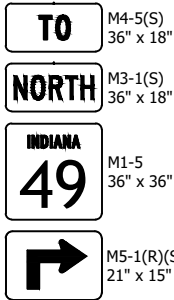
RMA-1
Sta. 961+80.00 "N" Rt.



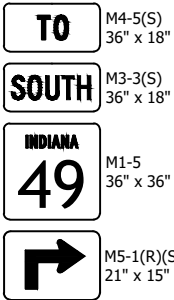
RMA-2
Sta. 962+45.00 "N" Lt.
Sta. 968+30.00 "N" Lt.



RMA-3
Sta. 968+30.00 "N" Lt.



RMA-4
Sta. 48+00.00 "S-8-N" Rt.



RMA-5
Sta. 48+00.00 "S-8-N" Rt.

NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: JPF	DRAWN: PJV	
CHECKED: DGA	CHECKED: JPF	

INDIANA
DEPARTMENT OF TRANSPORTATION

SIGN DETAILS AND LAYOUT

SCALE NOT TO SCALE	BRIDGE FILE
	DESIGNATION 2301097
	SHEETS 22 of 36
	CONTRACT R-45147

[illegible]

LOCATION					W-BEAM GUARDRAIL LENGTH			GUARDRAIL END TREATMENT TYPE OS	GUARDRAIL TRANSITION, MGS WITH CURB	CURVED W-BEAM GUARDRAIL SYSTEM				GUARDRAIL REMOVE	GUARDRAIL RESET	REMARKS
FROM STATION	TO STATION	LEFT	MEDIAN	RIGHT	STANDARD POST AT 6'-3" SPA.	STANDARD POST AT 3'-1.5" SPA.	LONG-SPAN TYPE 1 MGS W-BEAM			TERMINAL SYSTEM		CONNECTOR SYSTEM				
					(LFT)	(LFT)	(EA)			(EA)	(EA)	(TYPE)	(EA)			
Line "N"													354			
975+47.2	975+97.2			X				1								
975+97.2	976+22.2			X	25											
976+22.2	976+62.8			X					1							
TOTALS					25.00			1	1					354.00		

LOCATION					MOBILIZATION/ DEMOLIBIZATION	PAVEMENT SIDE DITCH				TOPSOIL	FERTILIZER	MULCHING MATERIAL	RIPRAP DITCH					NURSERY SODDING	SODDING				MULCHED SEEDING, TYPE U	MULCHED SEEDING, TYPE R			
						CUT WALLS (8 FT EQUAL LENGTH EACH)	TOTAL EQUIVALENT PAY LENGTHS						RIPRAP, REVETMENT	RIPRAP DITCH			RIPRAP, CLASS I		RIPRAP, CLASS II	UNIFORM	GEOTEXTILES, TYPE 1A	FOR DITCHES			REGRADING	FOR SHOULDER BREAK	TOTAL SODDING
							TYPE																				
							TYPE H																				
FROM STATION	TO STATION	LEFT	MEDIAN	RIGHT	EACH	LFT	LFT	LFT	LFT	CYS	TONS	TONS	TONS	TONS	TONS	TONS	SYS		SYS	SYS	SYS	SYS	LBS	LBS			
Line "N"																											
959+60	961+72		X																316				930				
962+32	970+74		X																1463				2406				
964+00	966+00		X																278				429				
972+05	975+95			x																			915				
972+13	974+00		x																301								
TOTALS:																			2,358				4,680				

NOT FOR CONSTRUCTION	RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____		DATE _____		INDIANA DEPARTMENT OF TRANSPORTATION			SCALE _____		BRIDGE FILE _____	
	DESIGNED: JPF		DRAWN: PJV				DESIGN SUMMARY TABLES					DESIGNATION 2301097	
	CHECKED: DGA		CHECKED: JPF									SHEETS	
										23 of 36		CONTRACT R-45147	

GDH - 12/8/2025 11:04 AM - U:\2025\2025006 indot sr49 at columet\Cad\Plan Set\Civil\2500600TB_SD.dwg (STR. DATA TABLE)

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION				SIZE IN.	PIPE TYPE	DESCRIPTION MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE AND TYPE	LENGTH LFT	VIDEO INSPECTION LENGTH LFT	SKEW	FLOW LINE			SERVICE LIFE YRS	SITE DESIGNATION	PH	BACKFILL METHOD	STRUCTURE BACKFILL CYS	TYPE	FLOWABLE BACKFILL CYS	TYPE	GEOTEXTILES SYS	REVTMENT RIPRAP TON	SCOUR PROTECTION				CONCRETE, CLASS A, FOR STR.	VIDEO INSPECTION LFT	PIPE END SECTION EA.	GRATED BOX END SECTION			SAFETY METAL END SECTION			CONNECT TO STR.	REMARKS
	STATION	LEFT	RIGHT	CROSS							OFFSET FT	COVER LFT	UP STREAM ELEV.											DOWN STREAM ELEV.	SUMP DEPTH IN.	GEOTEXTILE, TYPE 1A SYS.	RIPRAP TYPE TONS											
10	961+99.5		X		2.95	15	1	Culvert	79			1.24	698.38	698.09	75	Abr.	7		24	2									2									
11A	964+50	X			2	15	2	Mod. Inlet Type P-12	50			1.00	696.15	695.97	75	Abr.	7		14	2																11		
11	965+00	X			4.9	18	2	Mod. Inlet Type N-12	18			1.73	695.72	695.15	75	Abr.	7		8	2															Ex. Pipe	Remove Ex. Structure and 7 lft of Pipe		
11B	965+50	X			1.5	15	2	Mod. Inlet Type P-12	50			1.00	696.15	695.97	75	Abr.	7		14	2															11			
12A	972+50		X		5	12	2	Inlet Type P-12	50			1.00	698.56	697.72	75	Abr.	7		12	2															12			
12	973+00		X		1.7	12	2	Mod. Inlet Type N-12	14			2.30	697.72	697.51	75	Abr.	7		6	2															Ex. Pipe	Remove Ex. Structure and 12 lft of Pipe		
12B	973+50		X		1.6	12	2	Inlet Type P-12	50			1.00	698.55	697.72	75	Abr.	7		12	2															12			
								TOTALS											90											2								

PIPE MATERIAL TABLE

STRUCTURE NUMBER	10	11A	11	11B	12A	12	12B							
PIPE TYPE / SHAPE (CIR or DEF)	1 (CIR)	2 (CIR)	2 (CIR)	2 (CIR)	2 (CIR)	2 (CIR)	2 (CIR)							
SMOOTH PIPE SIZE	15	15	18	15	12	12	12							
CORRUGATED PIPE SIZE														
SEMI-SMOOTH PIPE SIZE														
CONC.	RCP/RCHP (S)	CLASS	II	II	II	II	II	II						
	D 0.01 RATING	1000	1000	1000	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	CORR. PROFILE THICKNESS												
	COR. ALUM. PIPE/ P-ARCH	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												

LEGEND:

PIPE MATERIAL

ALUM
CORR
DR
PE
PP
PVC
RCHP
RCP
STR
(LS)

Aluminum
Corrugation
Dimensional Ratio
Polyethylene
Polypropylene
Polyvinyl Chloride
Reinforced Concrete Horizontal Elliptical Pipe
Reinforced Concrete Pipe
Structural
Lock Seam Pipe Required

PIPE PROTECTION

BIT
BPI
CFP

Bituminous
Bituminous Paved Invert
Concrete Field Paving

SHAPE

CIR
DEF

Circular Pipe
Deformed Pipe

INTERIOR DESIGNATION

(C)
(S)
(SS)

Corrugated Pipe Material
Smooth Pipe Material
Semi-Smooth Pipe Material

PIPE SIZE

Circular pipe is shown as diameter in inches
Deformed pipe is shown as area in square feet

* Refer to Standard Drawings 715-PHCL-20 through -22 for nominal diameter appropriate for pay item diameter.

NOTE TO REVIEWER:

Based on previous project experience, LaPorte District preference for pipe material type is concrete.

NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER

DATE

DESIGNED: JPF

DRAWN: GDH

CHECKED: DGA

CHECKED: JPF

INDIANA
DEPARTMENT OF TRANSPORTATION

STRUCTURE DATA AND
PIPE MATERIAL TABLE

SCALE

BRIDGE FILE

DESIGNATION

2301097

SHEETS

24 of 36

CONTRACT

R-45147

GDH -- 12/8/2025 11:04 AM -- U:\2025\2025006 indot sr49 at columet\Cad\Plan Set\Civil\2500600TB_UD.dwg (UNDERDRAIN TABLE)

UNDERDRAIN TABLE																												
UNDERDRAIN PIPE											OUTLET PIPE										OUTLET PROTECTORS						REMARKS	
UNDERDRAIN PIPE LIMITS	TYPE 4 PIPE		GEOTEXTILE FOR UNDERDRAINS	AGGREGATE FOR UNDERDRAINS	HMA FOR UNDERDRAINS	SPECIAL GRADES	FLOW LINE ELEV. @ UNDERDRAIN PIPE LIMIT	OUTLET PIPE REQUIRED	CONNECT UNDERDRAIN PIPE TO STR. NO.	STRUCTURE INVERT ELEVATION	45 DEGREE ELBOWS REQUIRED (1 OR 2)	6 IN. OUTLET PIPE	OUTLET STATION	OUTLET ELEVATION	OUTLET AT OUTLET PROTECTOR NO.	DITCH FLOW LINE ELEVATION AT OUTLET PROTECTOR	CONNECT OUTLET PIPE TO STRUCTURE NO.	STRUCTURE INVERT ELEVATION	STRUCTURE BACKFILL	PCCP FOR STRUCTURE INSTALLATION	OUTLET PROTECTOR NUMBER	OUTLET PROTECTOR TYPE	LOCATION					
	4 IN.	6 IN.																					OUTSIDE LEFT	MEDIAN LEFT	OUTSIDE RIGHT	MEDIAN RIGHT		
																												(FT)
Line 'N'																												
959+85 Med. Rt.		515.0	295.6	33.4			701.06	Y			2	24	959+85	700.98	1	700.78					1	1					X	Dual Access for Maintenance
965+00 Med. Rt.							696.89	Y			2	27	965+00	696.22			11	695.72										
962+00 Med. Lt.		300.0	133.9	12.0		0.98 %	699.18																					Intersect Existing, Field Verify
965+00 Med. Lt.							696.24	Y			2	7	965+00	696.22			11	695.72										
965+00 Med. Lt		550.0	245.5	22.0			696.24	Y			2	7	965+00	696.22			11	695.72										
970+50 Med. Lt.							698.83	Y			2	10	970+50	698.80	2	698.80					2	1		X				
965+00 Med. Rt.		550.0	254.6	23.8			696.89	Y			2	27	965+00	696.22			11	695.72										
970+50 Med. Rt.							699.03	Y			2	22	970+50	698.96	3	698.80					3	1				X		
970+50 Med. Lt.		250.0	88.0	5.4		0.20 %	698.83																					
973+00 Med. Lt.							698.32	Y			2	13	973+00	698.28			12	697.73										
970+50 Med. Rt.		250.0	137.4	15.0		0.28 %	699.03																					
973+00 Med. Rt.							698.33	Y			2	17	973+00	698.28			12	697.73										
972+05 Outside Rt.		195.0	133.6	16.9			698.09	N																				Intersect Existing, Field Verify
974+00 Outside Rt.							699.05	N																				
973+00 Med. Lt.		63.0	29.2	2.7		1.63 %	698.32	Y			2	13	973+00	698.28			12	697.73										
973+63 Med. Lt.							699.34																					
973+00 Med. Rt.		63.0	41.6	5.1		1.53 %	698.33	Y			2	17	973+00	698.28			12	697.73										
973+63 Med. Rt.							699.29																					
974+00 Outside Rt.		195.0	133.6	16.9			699.05	N																				Intersect Existing, Field Verify
975+95 Outside Rt.							699.83	N																				
TOTALS:		2931	1493	153								184										3						

NOT FOR
CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____		INDIANA DEPARTMENT OF TRANSPORTATION		SCALE		BRIDGE FILE	
						DESIGNATION	
						2301097	
DESIGNED: JPF		DRAWN: GDH		UNDERDRAIN TABLE		SHEETS	
CHECKED: DGA		CHECKED: JPF				25 of 36	
						CONTRACT	
						R-45147	

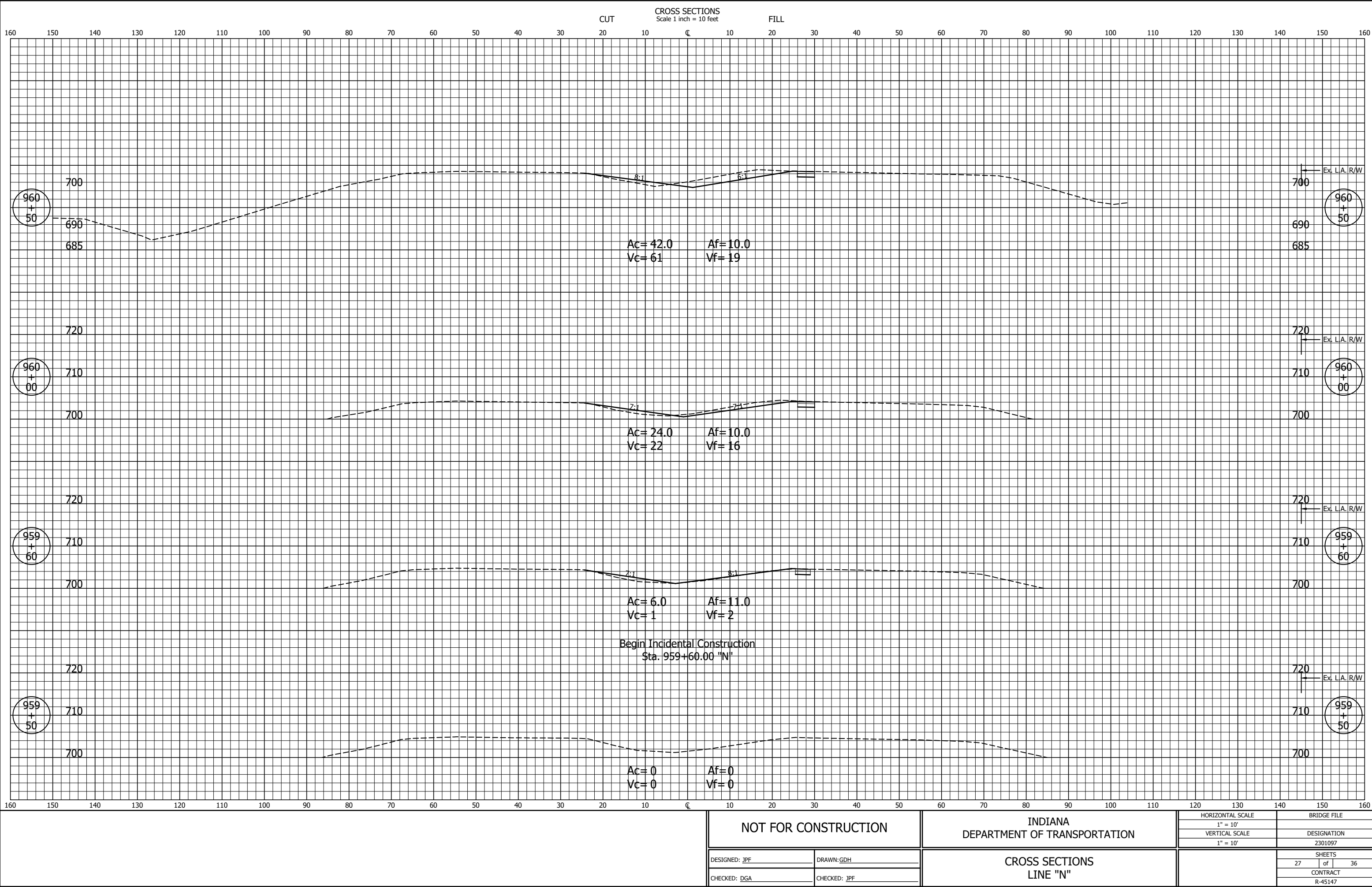
SHEET SIGN & POST SUMMARY																		
SIGN										POST								
PLAN SHEET NO / LINE	SIGN LOCATION (STA.)	SIGN CODE	SIGN SIZE (IN x IN)	GROUND - MOUNTED SIGN AREA (FT²)			GROUND - MOUNTED DOUBLE-FACED SIGN AREA (FT²)			SQUARE								
				0.080"	0.100"	.125"	0.080"	0.100"	.125"	2 ½" x 2 ½" - 12 GA. (TYPE 3)			2" x 2" - 12 GA. (TYPE 2)			2 ¼" x 2 ¼" - 12 GA. (TYPE 1)		
										UNREINFORCED ANCHOR			UNREINFORCED ANCHOR			UNREINFORCED ANCHOR		
										POST LENGTH (FT)			POST LENGTH (FT)			POST LENGTH (FT)		
										1	2	TOTAL	1	2	TOTAL	1	TOTAL	
Line "N"																		
	961+30 Rt.	R5-1	36 x 36		9.00												11.0	11.0
	961+30 Rt.	R5-1	36 x 36		9.00												11.0	11.0
	961+60 Rt.	R6-1(L)	54 x 18		6.75												16.5	16.5
		R1-2	48 x 48 x 48		7.00													
		R5-1	36 x 36		9.00													
	961+80 Rt.	M3-1(S)	36 x 18		4.50												13.5	13.5
		M1-5	36 x 36		9.00													
		M6-1(L)(S)	21 x 15	2.19														
	962+00 Rt.	R6-1(L)	54 x 18		6.75								9.25	9.25	18.5			
	962+39 Rt.	R5-1	36 x 36		9.00												11.0	11.0
	962+45 Lt.	M3-1(S)	36 x 18		4.50												16.0	16.0
		M1-5	36 x 36		9.00													
		U-Turn	36 x 36		9.00													
	964+75 Rt.	R3-7(R)	36 x 36		9.00												11.0	11.0
	968+30 Lt.	M3-1(S)	36 x 18		4.50												16.0	16.0
		M1-5	36 x 36		9.00													
		U-Turn	36 x 36		9.00													
	968+30 Lt.	M3-3(S)	36 x 18		4.50												14.0	14.0
		M1-5	36 x 36		9.00													
		M6-3(S)	21 x 15	2.19														
	969+00 Lt.	R3-7(L)	36 x 36		9.00												11.0	11.0
	969+25 Rt.	D1-1a	96 x 18			12.00				9.25	9.25	18.5						
	969+75 Rt.	R5-1	36 x 36		9.00												11.0	11.0
	971+06 Rt.	R1-2	48 x 48 x 48		7.00												12.0	12.0
	971+25 Lt.	D1-1b	72 x 36			18.00							10.75	10.75	21.5			
	971+50 Lt.	R6-1(R)	54 x 18		6.75								9.25	9.25	18.5			
	971+65 Rt.	D1-1c	72 x 36			18.00							10.75	10.75	21.5			
	971+78 Rt.	R6-1(R)	54 x 18		6.75								12.25	12.25	24.5			
		R5-1	36 x 36		9.00													
												18.50			104.50		154.00	

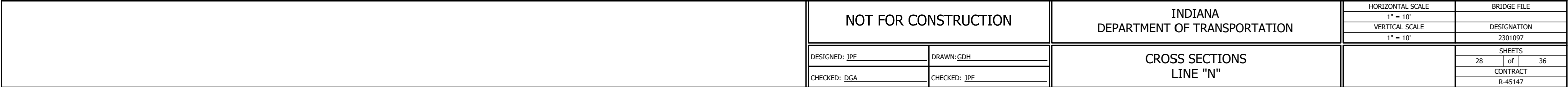
SHEET SIGN & POST SUMMARY																	
SIGN									POST								
PLAN SHEET NO / LINE	SIGN LOCATION (STA.)	SIGN CODE	SIGN SIZE (IN x IN)	GROUND - MOUNTED SIGN AREA (FT²)			GROUND - MOUNTED DOUBLE-FACED SIGN AREA (FT²)			SQUARE							
				0.080"	0.100"	.125"	0.080"	0.100"	.125"	2 ½" x 2 ½" - 12 GA. (TYPE 3)			2" x 2" - 12 GA. (TYPE 2)			2 ¼" x 2 ¼" - 12 GA. (TYPE 1)	
										UNREINFORCED ANCHOR			UNREINFORCED ANCHOR			UNREINFORCED ANCHOR	
										POST LENGTH (FT)			POST LENGTH (FT)			POST LENGTH (FT)	
			1	2	TOTAL	1	2	TOTAL	1	2	TOTAL	1	TOTAL				
Line "N"																	
	972+11 Lt.	W12-1	36 x 36		9.00										11.0	11.0	
	972+45 Lt.	D1-1c	72 x 18			9.00				9.25	9.25	18.5					
	974+35 Rt.	R2-1(50)	30 x 36	7.50											11.0	11.0	
	974+35 Rt.	R2-Y2(40)	30 x 36	7.50											11.0	11.0	
	987+45 Rt.	R6-3a	30 x 24	5.00											n/a	n/a	
Line "S-8-N"																	
	48+00 Rt.	M4-5(S)	36 x 18		4.50										15.0	15.0	
		M3-1(S)	36 x 18		4.50												
		M1-5	36 x 36		9.00												
		M5-1(R)(S)	21 x 15	2.19													
	48+00 Rt.	M4-5(S)	36 x 18		4.50										15.0	15.0	
		M3-3(S)	36 x 18		4.50												
		M1-5	36 x 36		9.00												
		M5-1(R)(S)	21 x 15	2.19													
	48+60 Rt.	R3-5(R)	30 x 36	7.50											11.0	11.0	
	48+95 Lt.	R4-7	24 x 30	5.00											11.0	11.0	
	49+15 Rt.	R6-1(R)	54 x 18		6.75								12.25	12.25	24.5		
		R1-1	36 x 36		9.00												
	50+75 Lt.	R4-7	24 x 30	5.00											11.0	11.0	
	51+00 Lt.	R1-51	30 x 18	3.75											10.0	10.0	
SUB TOTAL 2:				45.63	60.75	9.00						18.50			24.50		106.00
OVERALL TOTALS:				50.00	246.00	57.00						37.00			129.00		260.00

NOTE:] Indicates signs to be mounted on common post(s) * = Signs to be double faced

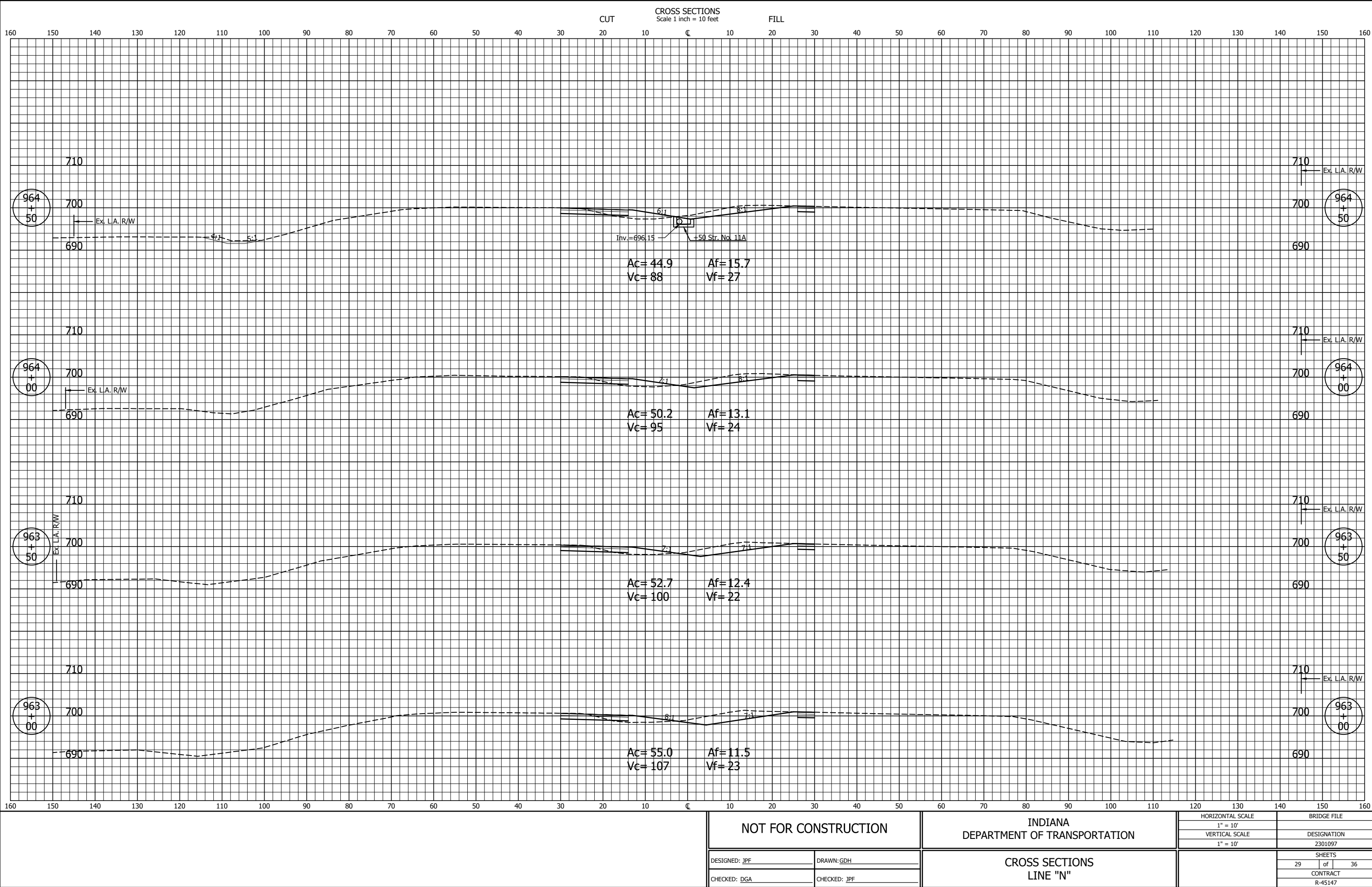
NOT FOR CONSTRUCTION	RECOMMENDED FOR APPROVAL _____		INDIANA DEPARTMENT OF TRANSPORTATION		SCALE		BRIDGE FILE	
	DESIGN ENGINEER _____ DATE _____						DESIGNATION	
							2301097	
	DESIGNED: JPF	DRAWN: GDH	SHEET SIGN & POST SUMMARY TABLES				SHEETS	
	CHECKED: DGA	CHECKED: JPF					26	of
						CONTRACT R-45147		

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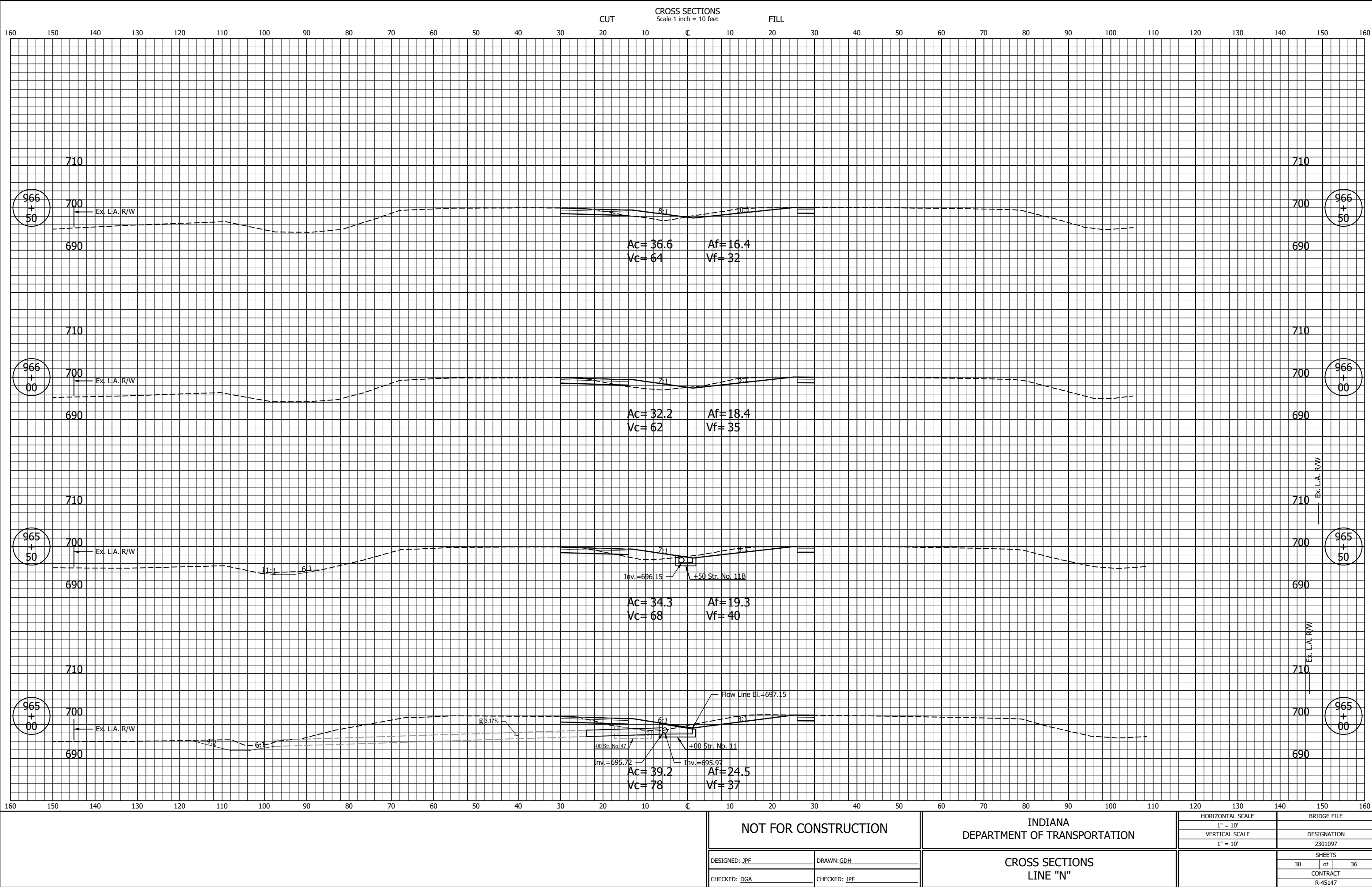




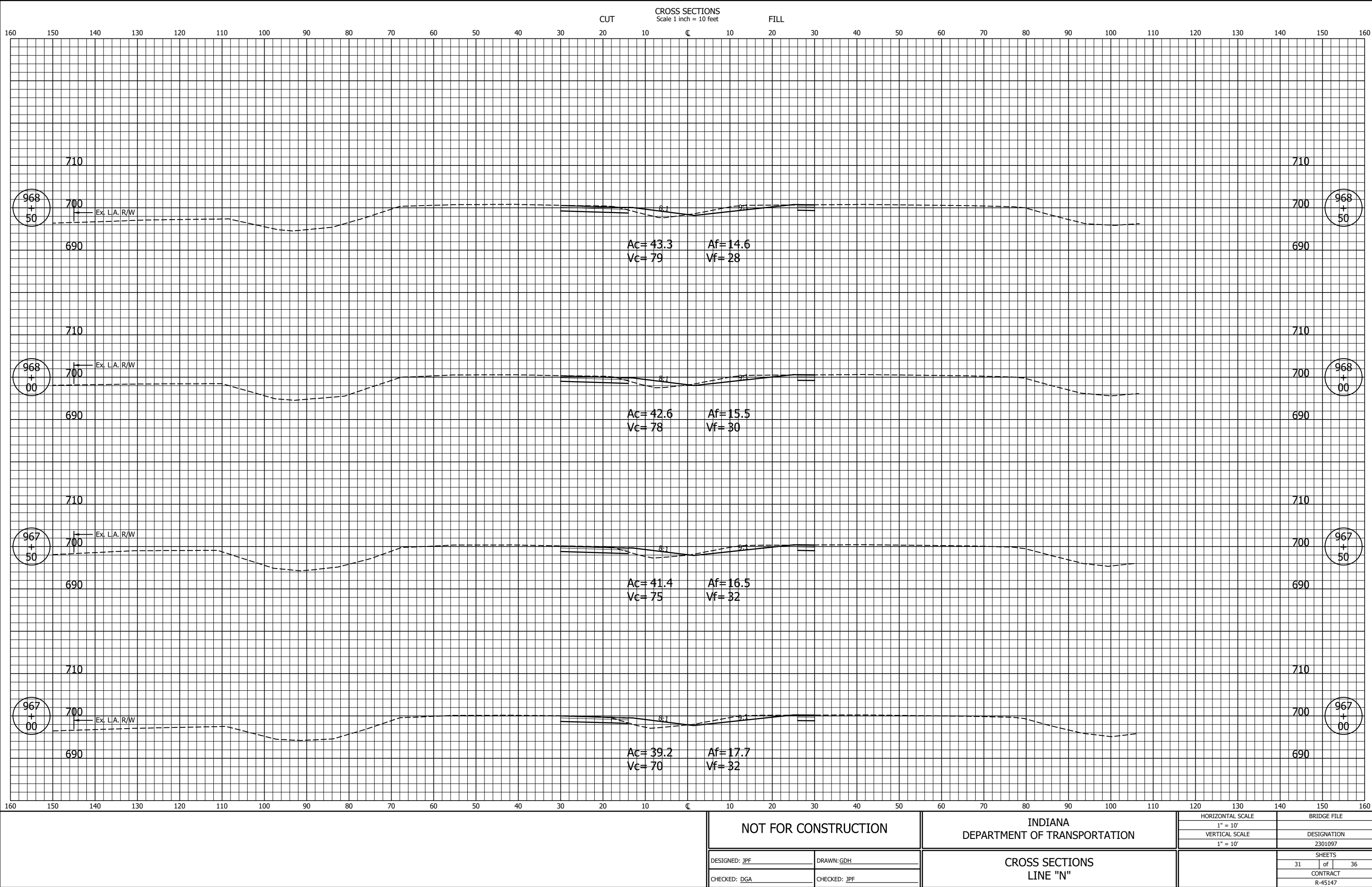
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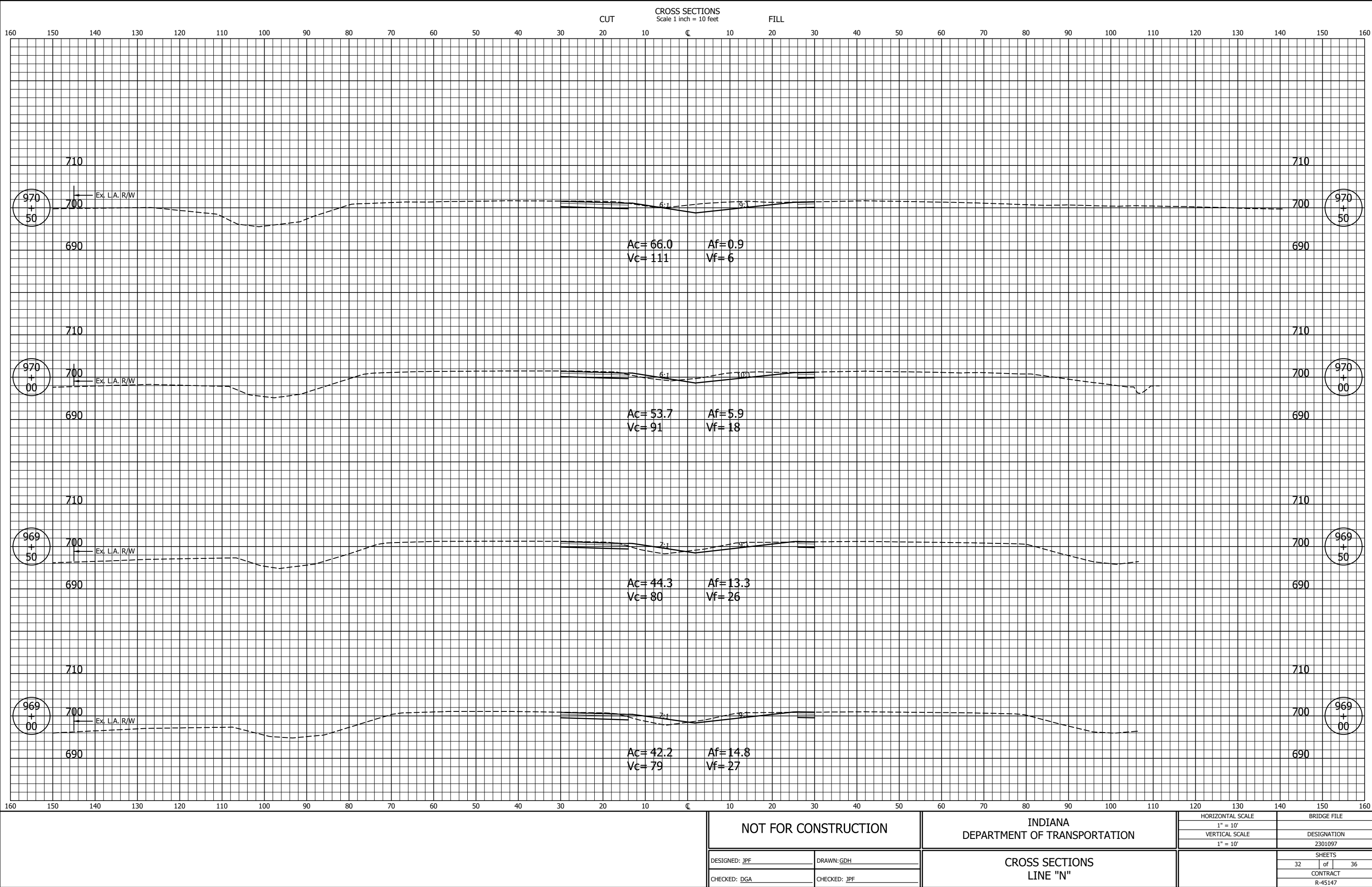
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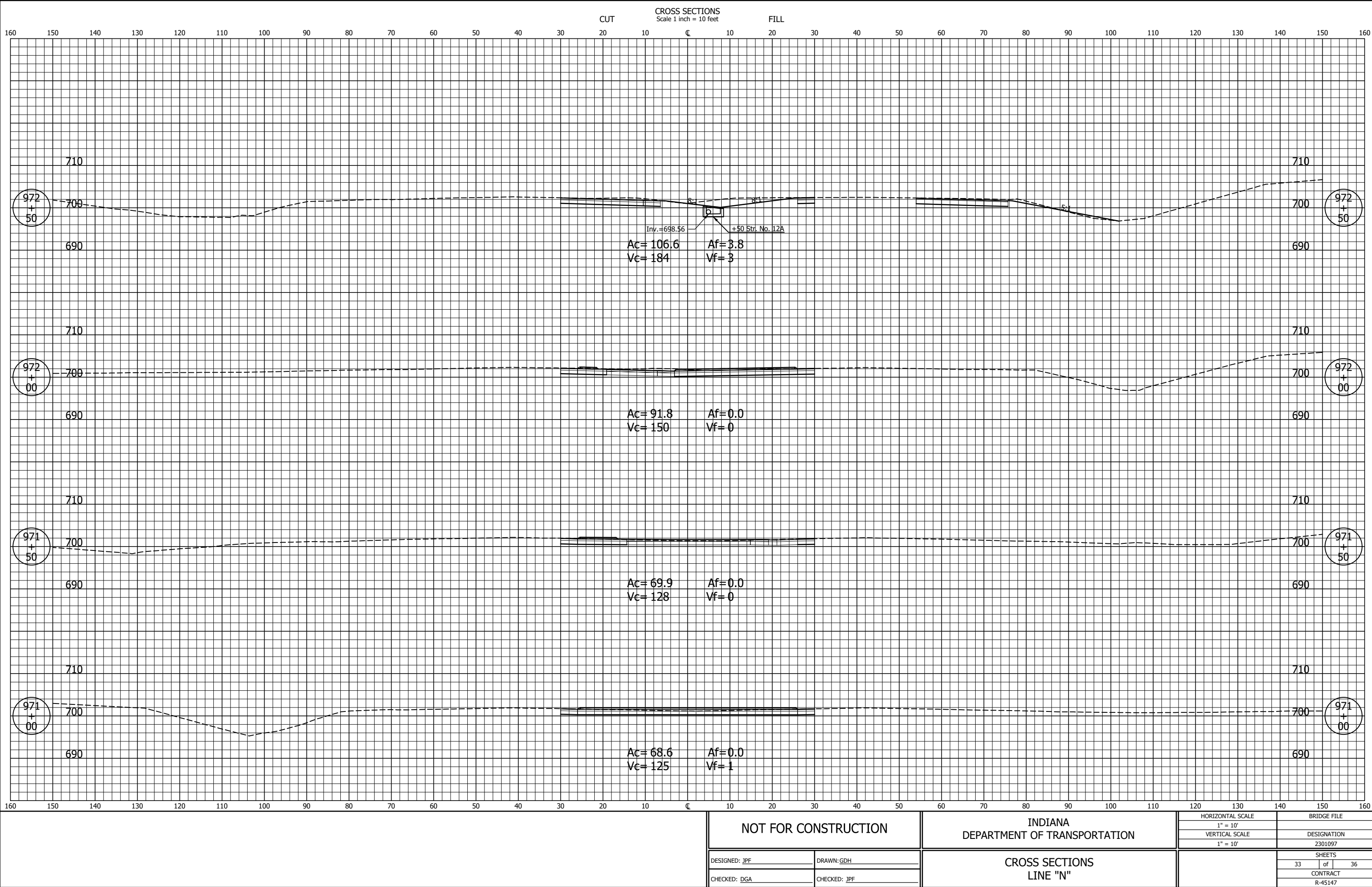
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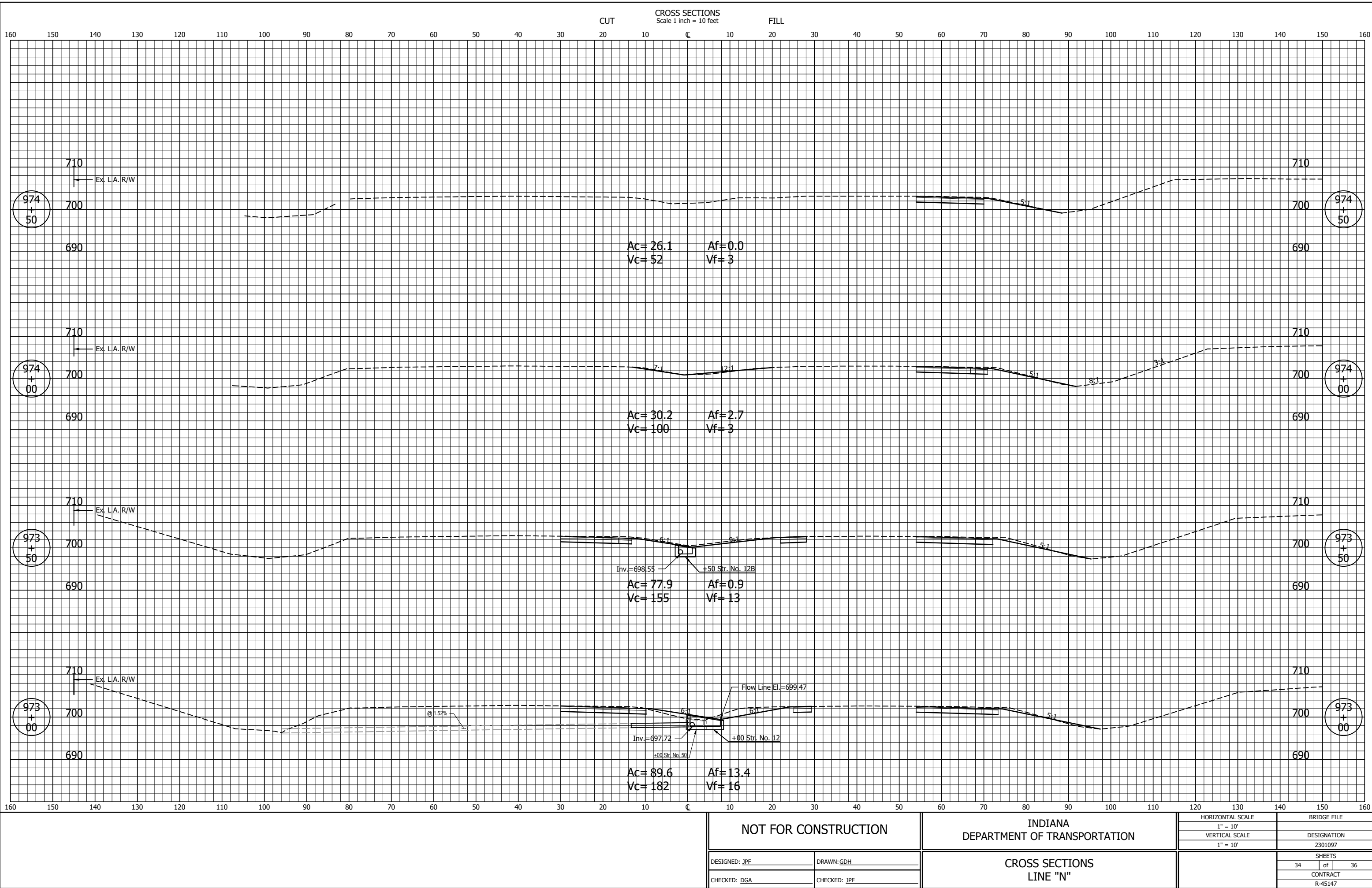
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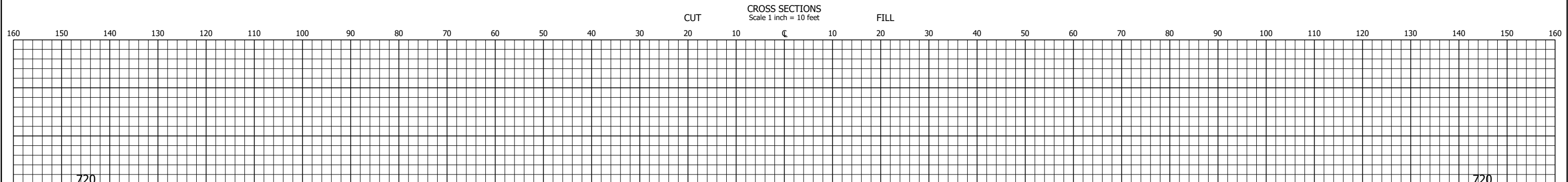


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