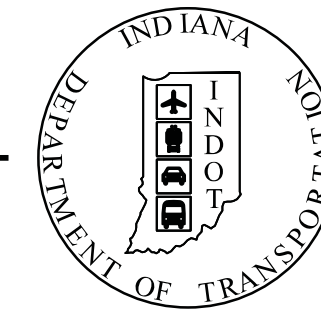


PROJECT	DESIGNATION
1700182	1700182
CONTRACT	
R-40869	

# INDIANA DEPARTMENT OF TRANSPORTATION



## ROAD PLANS

# U.S. 31 @ S.R. 135/THOMPSON ROAD INTERSECTION IMPROVEMENT

ROUTE: U.S. 31 @ RP 106+0.82

PROJECT NO. 1700182 P.E.

1700182 R/W

1700182 CONST.

**PROJECT DESCRIPTION**

INTERSECTION IMPROVEMENT AT U.S. 31 AND S.R. 135/ THOMPSON ROAD LOCATED IN SECTION 1, T-14-N, R-3-E AND SECTION 36, T-15-N, R-3-E PERRY TOWNSHIP, MARION COUNTY, INDIANA.

TRAFFIC DATA	U.S. 31	S.R. 135 / THOMPSON RD.	I-465 EXIT RAMP TO U.S. 31 SB
A.A.D.T. (2019)	56,350	14,200	10,750
A.A.D.T. (2045)	51,200	13,800	11,400
D.H.V. (2045)	4,625	1,125	1,050
DIRECTIONAL DISTRIBUTION	59%	54%	57%
TRUCKS (% AADT)	2.7%	2.7%	4.3%

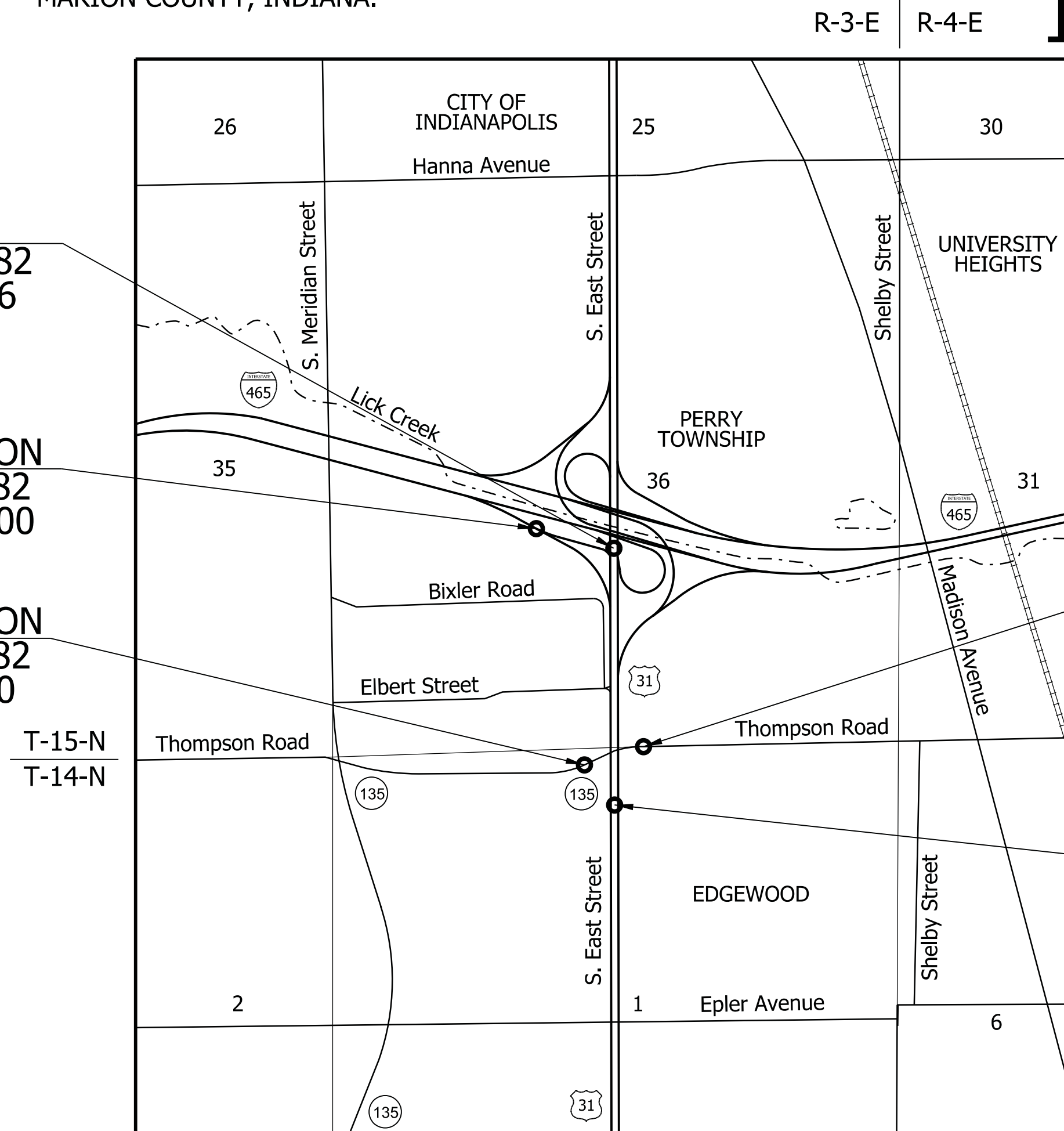
DESIGN DATA	U.S. 31	S.R. 135 / THOMPSON RD.	I-465 EXIT RAMP TO U.S. 31 SB
DESIGN SPEED (MPH)	45	40	55/40
PROJECT DESIGN CRITERIA	3R	3R	4R RECONSTRUCTION
FUNCTIONAL CLASSIFICATION	PRINCIPAL ARTERIAL	MINOR ARTERIAL	INTERSTATE
RURAL/URBAN	URBAN	URBAN	URBAN
TERRAIN	LEVEL	LEVEL	LEVEL
ACCESS CONTROL	PARTIAL	PARTIAL	FULL

**STAGE 2 PLANS**  
FEBRUARY 7, 2020

BEGIN PROJECT  
PROJECT NO. 1700182  
P.O.T. STA. 26+54.96  
LINE "D"

BEGIN CONSTRUCTION  
PROJECT NO. 1700182  
P.O.T. STA. 101+00.00  
RAMP "PR-SWC"

BEGIN CONSTRUCTION  
PROJECT NO. 1700182  
P.O.C. STA. 46+00.00  
LINE "A"



END CONSTRUCTION  
PROJECT NO. 1700182  
P.O.T. STA. 52+99.18  
LINE "A"

END PROJECT  
PROJECT NO. 1700182  
P.O.T. STA. 51+47.47  
LINE "D"



LATITUDE: 39°41'35.5"N LONGITUDE: 86°08'55.7"W

GROSS LENGTH: 0.46 MI.  
NET LENGTH: 0.46 MI.  
MAX. GRADE: 0.95%

HYDROLOGIC UNIT CODE: 05120201130060

LOCATION MAP  
PERRY TOWNSHIP,  
MARION COUNTY

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



HNTB INDIANA, INC  
THE HNTB COMPANIES  
ENGINEERS ARCHITECTS PLANNERS  
111 MONUMENT CIRCLE  
SUITE 1200  
INDIANAPOLIS, IN 46204

**DRAFT**  
NOT FOR CONSTRUCTION

PLANS PREPARED BY: \_\_\_\_\_ PHONE NUMBER \_\_\_\_\_  
CERTIFIED BY: \_\_\_\_\_ DATE \_\_\_\_\_  
APPROVED FOR LETTING: \_\_\_\_\_ DATE \_\_\_\_\_  
INDIANA DEPARTMENT OF TRANSPORTATION

DESIGNATION	
1700182	
SURVEY BOOK	SHEETS
N/A	1 of 119
CONTRACT	PROJECT
R-40869	1700182

**UTILITIES**

<p><b>TELEPHONE/COMMUNICATIONS</b>                  JEFFERY FARMER                  AT&amp;T DISTRIBUTION                  MATT SPINDLER                  317-265-3050                  MH4822@ATT.COM                  240 N. MERIDIAN ST., RM 1791                  INDIANAPOLIS, IN 46204</p> <p><b>SPECTRUM COMMUNICATIONS</b>                  JEFFERY FARMER                  317-339-1949                  JEFFERY.FARMER@CHARTER.COM                  3030 ROOSEVELT AVE.                  INDIANAPOLIS, IN 46217</p>	<p><b>GAS</b>                  CITIZENS ENERGY GROUP                  RICHARD MILLER                  317-927-4684                  RMILLER@CITIZENSENERGYGROUP.COM                  2150 DR. MARTIN LUTHER KING JR. ST.                  INDIANAPOLIS, IN 46200</p> <p><b>SEWER</b>                  CITIZENS ENERGY GROUP                  DAVE CLARK                  317-927-4684                  DCLARK@CITIZENSENERGYGROUP.COM                  2150 DR. MARTIN LUTHER KING JR. ST.                  INDIANAPOLIS, IN 46200</p> <p><b>WATER</b>                  CITIZENS ENERGY GROUP                  SCOTT RITTER                  317-927-4684                  SRITTER@CITIZENSENERGYGROUP.COM                  2150 DR. MARTIN LUTHER KING JR. ST.                  INDIANAPOLIS, IN 46200</p>	<p><b>CABLE/FIBER OPTIC</b>                  COMCAST                  WILLIAM MORRIS                  317-710-0602                  WILLIAM.MORRIS@COMCAST.COM                  5330 E. 65TH ST.                  INDIANAPOLIS, IN 46220</p> <p><b>ELECTRIC - DISTRIBUTION</b>                  INDIANAPOLIS POWER &amp; LIGHT                  JANET SNODGRASS                  317-261-8617                  JANET.SNODGRASS@AES.COM                  1230 W. MORRIS ST.                  INDIANAPOLIS, IN 46221</p> <p><b>ELECTRIC - TRANSMISSION</b>                  INDIANAPOLIS POWER &amp; LIGHT                  RON POLLARD                  317-261-8617                  RON.POLLARD@AES.COM                  1230 W. MORRIS ST.                  INDIANAPOLIS, IN 46221</p>
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**GENERAL NOTES**

	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.
	The paper relocation lines will be cross sectioned by the engineer before construction.
	Existing asphalt pavement located outside the constuction limits shall be removed as directed.
	Existing pccp sidewalks and curbs shall be removed from project right of way limits unless otherwise noted and shall be paid for under clearing right of way.
XX	All earth shoulders, median areas, cut and fill slopes shall be plain or mulched seeded except where sodding is specified.
XX	All existing storm drainage pipes, inlets, and manholes shall remain unless otherwise noted.
	All limited access right of way is to be fenced with black vinyl coated chain link type fence ( b.v.c.i.t.f. ) unless otherwise noted.
	All existing right of way fence shall be removed unless otherwise noted.
XX	All disturbed areas shall be seeded with seed mixture "R" unless otherwise noted.
XX	All slopes are to be repaired with a minimum amount of grading so as not to disturb existing vegetation more than necessary.
	All pipes that are to be removed which connect to existing sewers that are to remain in operation shall be sealed water tight.

XX Denotes General Notes Required.

**SHEET INDEX**

SHEET NO.	DESIGNATION
1	TITLE SHEET
2	INDEX AND GENERAL NOTES
3 - 9	ROADWAY TYPICAL SECTIONS
10-12	LOCATION CONTROL ROUTE SURVEY
13	PROJECT OVERVIEW
14 - 26	MAINTENANCE OF TRAFFIC
27 - 33	ROADWAY PLAN AND PROFILES
34	SUPERELEVATION DIAGRAM
35 - 43	CONSTRUCTION DETAILS
44 - 45	CURB RAMP DETAILS
46 - 52	SPOT ELEVATION DETAILS
53 - 57	TURNING LANE DETAILS
58 - 71	DRAINAGE CROSS SECTIONS
72	RETAINING WALL DETAILS
73 - 74	EXISTING SIGNAGE
75 - 76	PROPOSED SIGNAGE
77 - 80	SIGNAL DETAILS
81 - 82	PAVEMENT MARKING DETAILS
83 - 84	SHEET SIGN SUMMARY TABLE
85	APPROACH TABLE
86 - 89	STRUCTURE DATA TABLE
90 - 119	ROADWAY CROSS SECTIONS



**REVISIONS**

SHEET NO.	DATE	REVISED

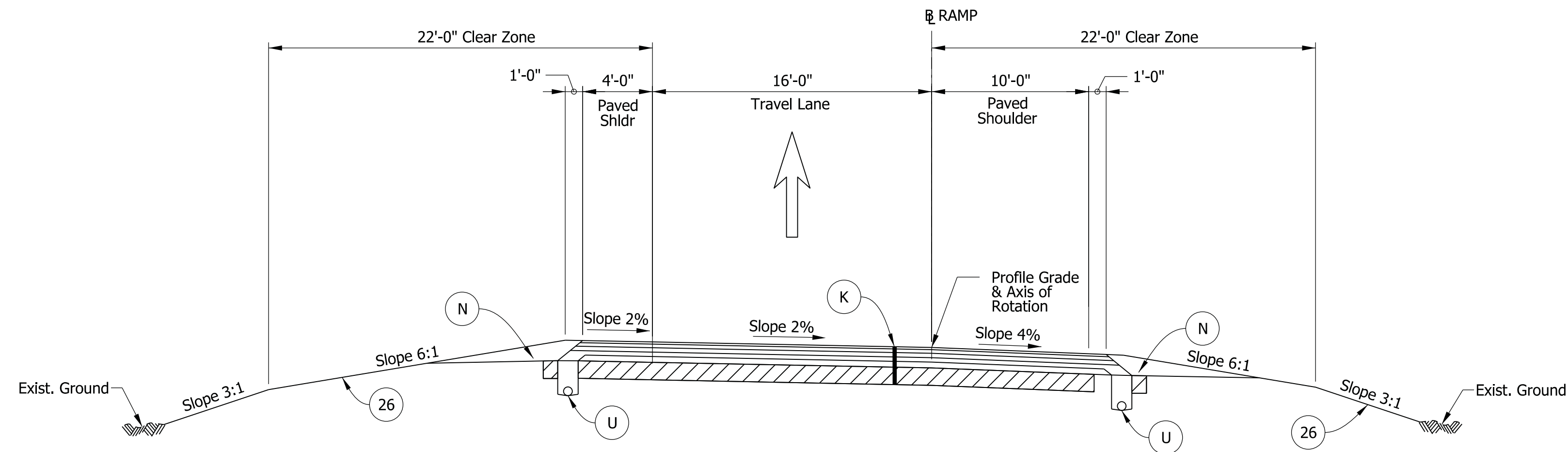
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**DRAFT**  
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION  <b>INDEX AND GENERAL NOTES</b>	HORIZONTAL SCALE _____	BRIDGE FILE _____
		N/A	N/A
DESIGNED: _____ HER _____ DRAWN: _____ CPH _____		VERTICAL SCALE _____	DESIGNATION _____
CHECKED: _____ JLC _____ CHECKED: _____ HER _____		N/A	1700182
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		Electronic _____	2 of 119
		CONTRACT _____	PROJECT _____
		R-40869	1700182

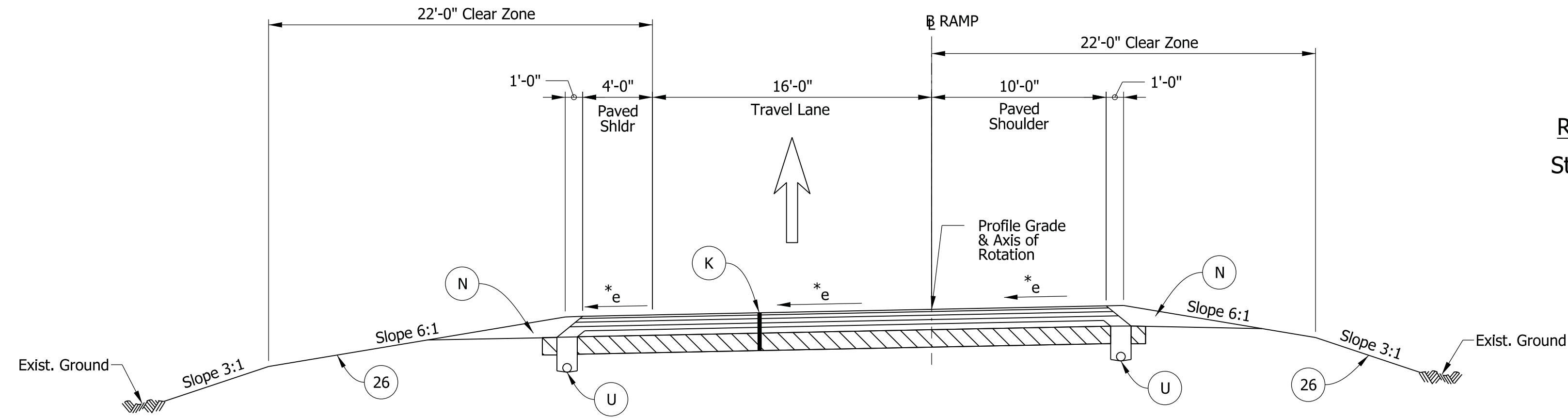
**CONSTRUCTION LEGEND**

- (F) 4 In. Concrete Sidewalk
- (F2) 4 In. Sidewalk, Concrete (Grooved) On  
6 In. Compacted Aggregate, No. 53
- (K) Full Depth Pavement
- (N) 6 In. Compacted Aggregate, No. 53
- (U) 6 In. Underdrain
- (10) Retaining Wall
- (11) Railing, Concrete PF-1 and Railing, Steel PF-1
- (14) Concrete Curb (Vertical)  
(See Std. Drwg. 605-CCS3-01)
- (15) Combined Concrete Curb and Gutter, (See Std. Drwg. 605-CCCG-01)
- (16) Concrete Curb, Type B (Sloping)
- (17) Concrete Center Curb, Type B, Modified
- (22) Concrete Center Curb, Type D, Modified
- (26) Seed Mixture, U
- (27) Sodding
- (30) Guardrail MGS W-Beam



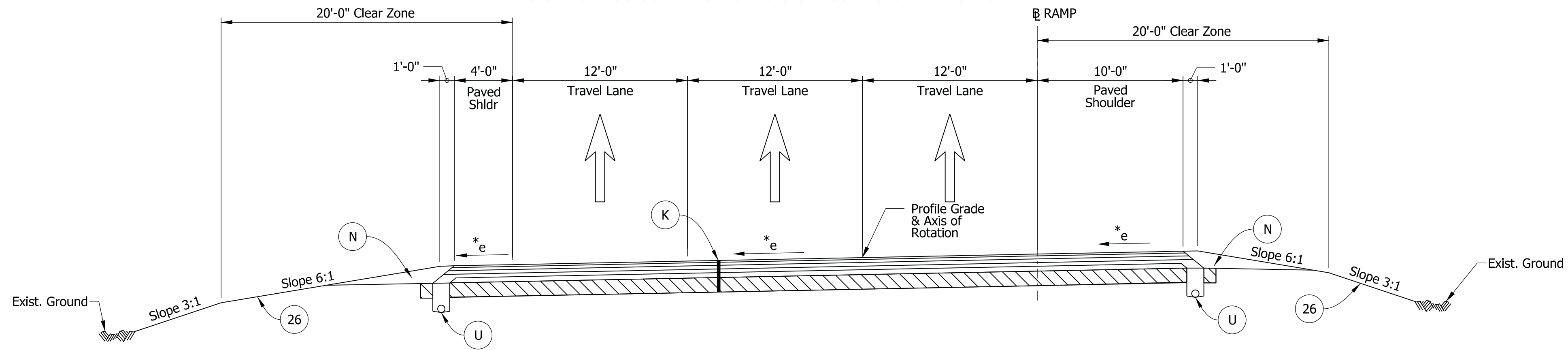
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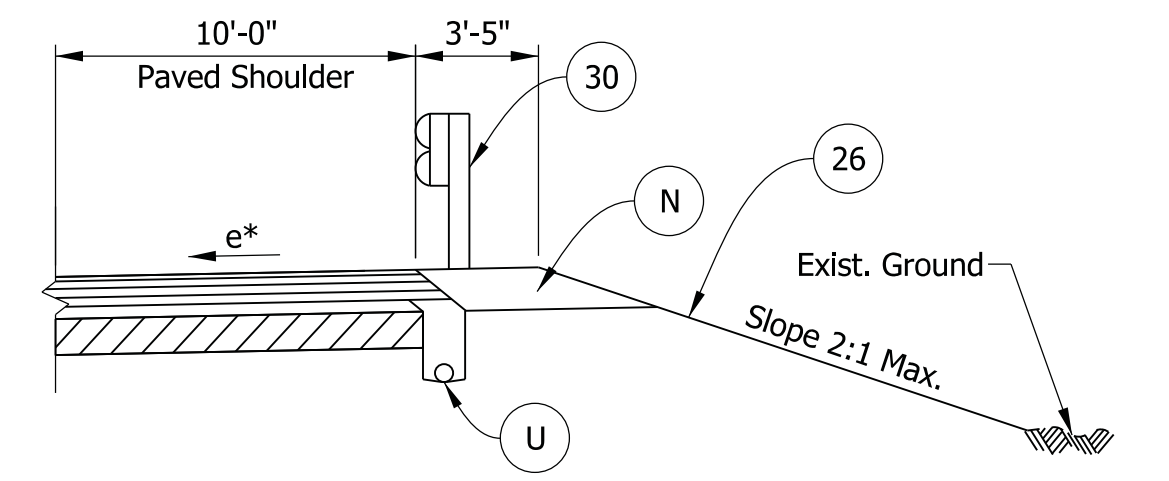
**I-465 EB EXIT RAMP TYPICAL SECTION**

Sta. 102+05.00 "PR-SWC" to Sta. 105+25.00 "PR-SWC"



**I-465 EB EXIT RAMP TYPICAL SECTION**

Sta. 105+25.00 "PR-SWC" to Sta. 109+06.78 "PR-SWC"



**RIGHT GUARDRAIL AND OUTSIDE SHOULDER DETAIL**

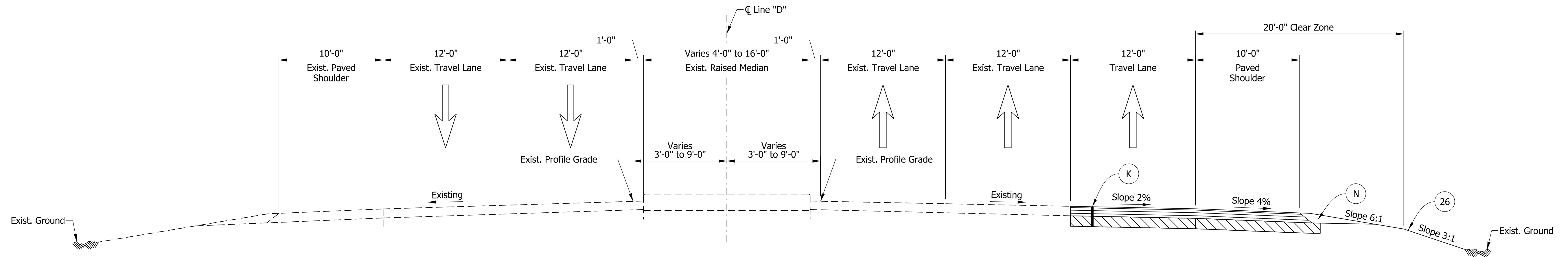
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NOT FOR CONSTRUCTION

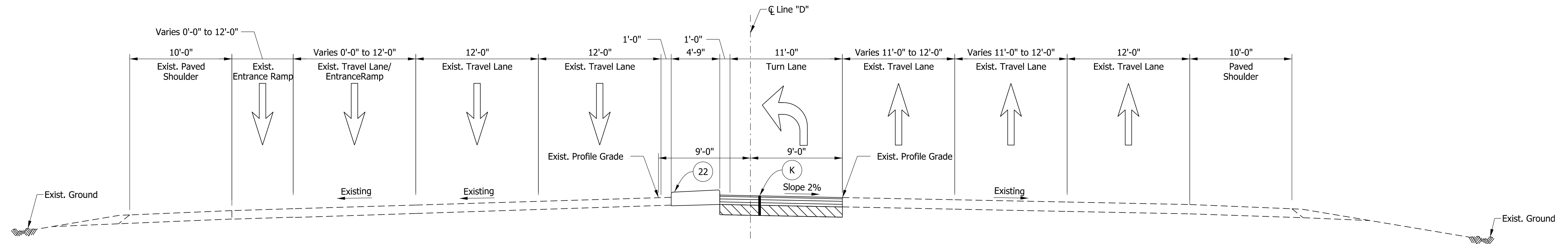
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DESIGNED: _____ HER _____	DRAWN: _____ CPH _____	
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INDIANA DEPARTMENT OF TRANSPORTATION	
ROADWAY TYPICAL CROSS SECTIONS	

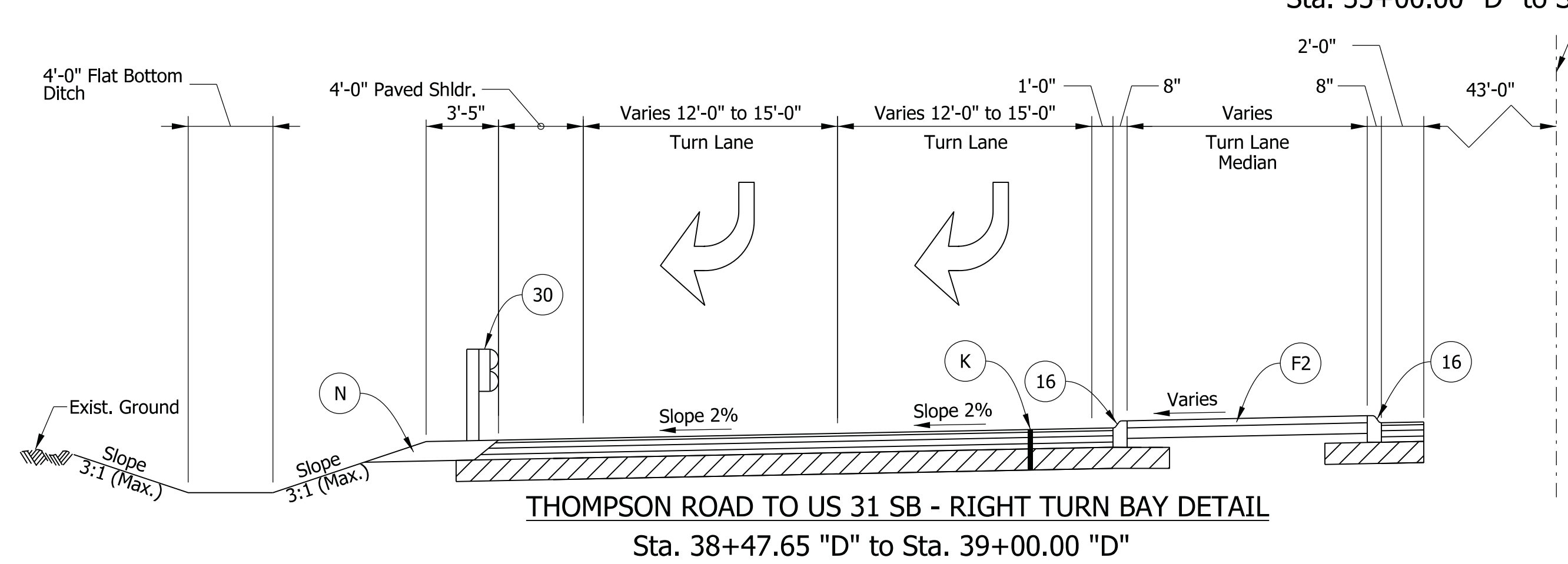
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VERTICAL SCALE	DESIGNATION
N/A	1700182
SURVEY BOOK	SHEETS TS-01
Electronic	3 of 119
CONTRACT	PROJECT
R-40869	1700182



**US 31 TYPICAL SECTION**  
Sta. 26+54.96 "D" to Sta. 34+17.57 "D"



**US 31 TYPICAL SECTION**  
Sta. 35+00.00 "D" to Sta. 39+00.00 "D"



**THOMPSON ROAD TO US 31 SB - RIGHT TURN BAY DETAIL**  
Sta. 38+47.65 "D" to Sta. 39+00.00 "D"

Note: See TS-01 for Construction Materials Legend

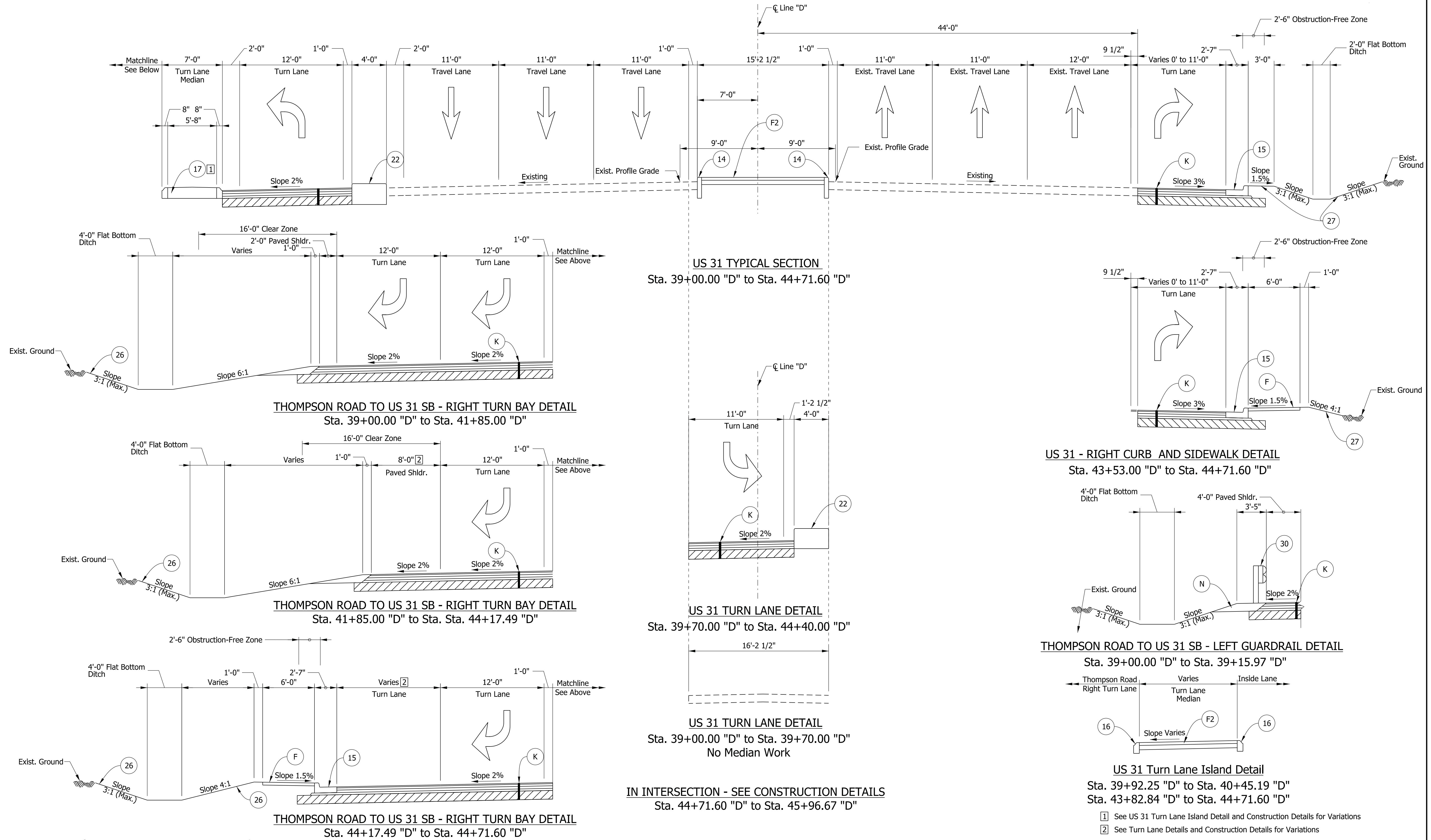
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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ HER _____	DRAWN: _____ CPH _____	
CHECKED: _____ JLC _____	CHECKED: _____ HER _____	

INDIANA DEPARTMENT OF TRANSPORTATION	
ROADWAY TYPICAL CROSS SECTIONS	

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SURVEY BOOK	SHEETS	TS-02
Electronic	4	of 119
CONTRACT	PROJECT	
R-40869	1700182	



Note: See TS-01 for Construction Materials Legend

- ① See US 31 Turn Lane Island Detail and Construction Details for Variations
- ② See Turn Lane Details and Construction Details for Variations

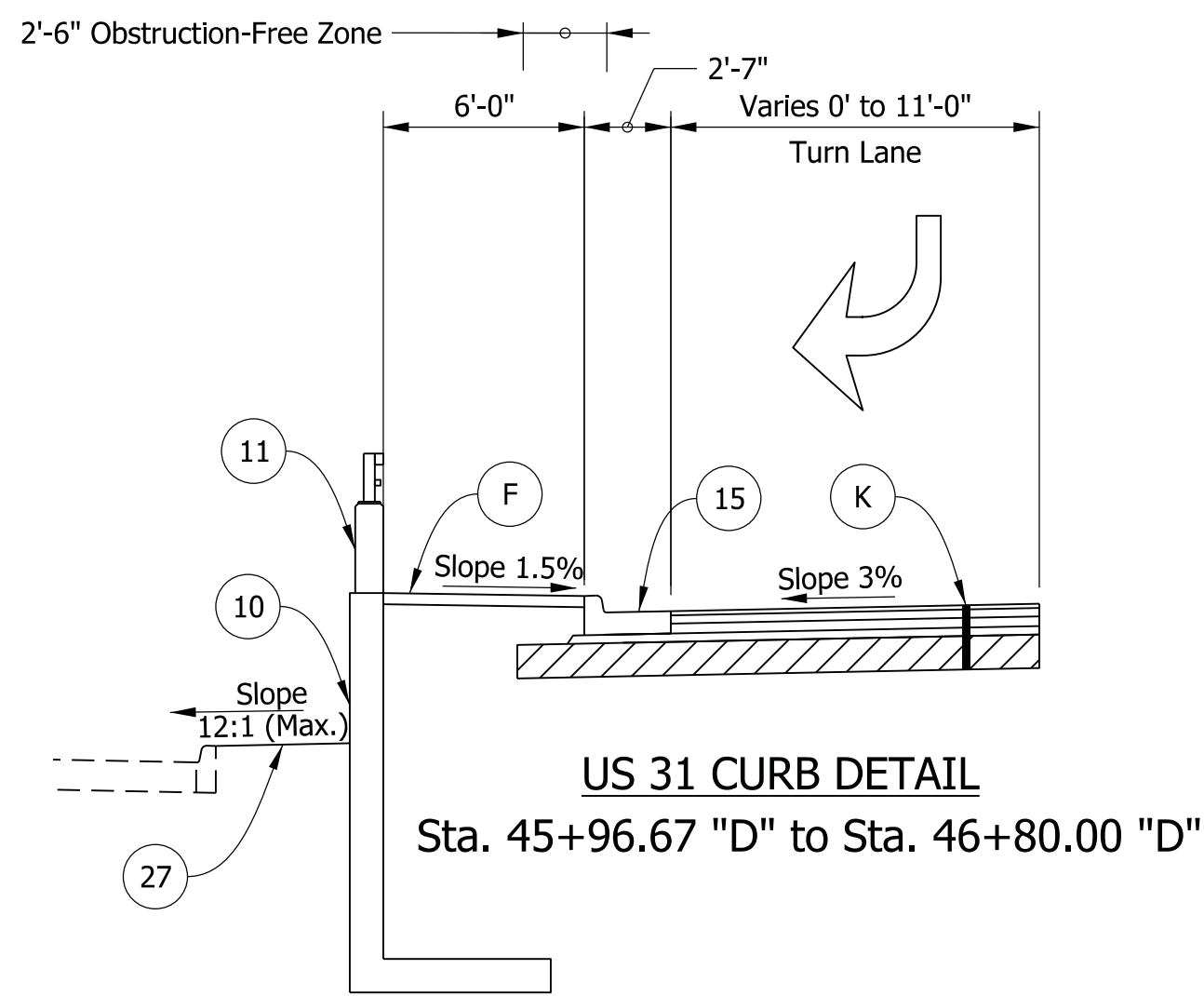
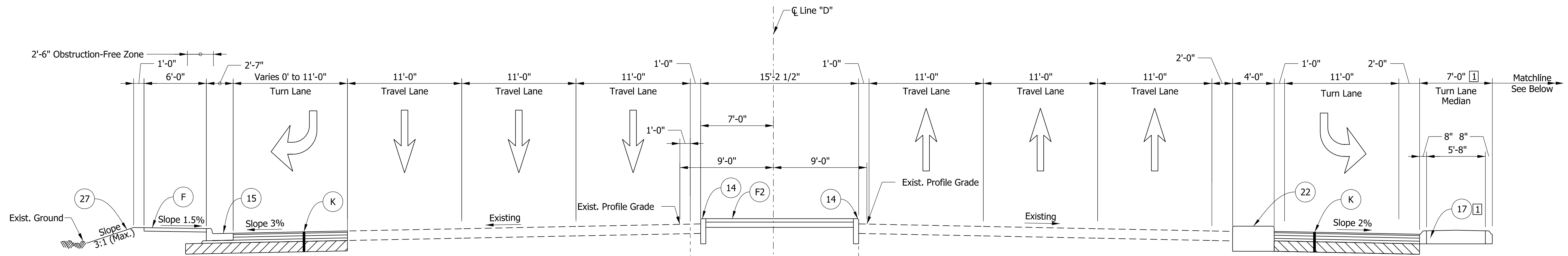
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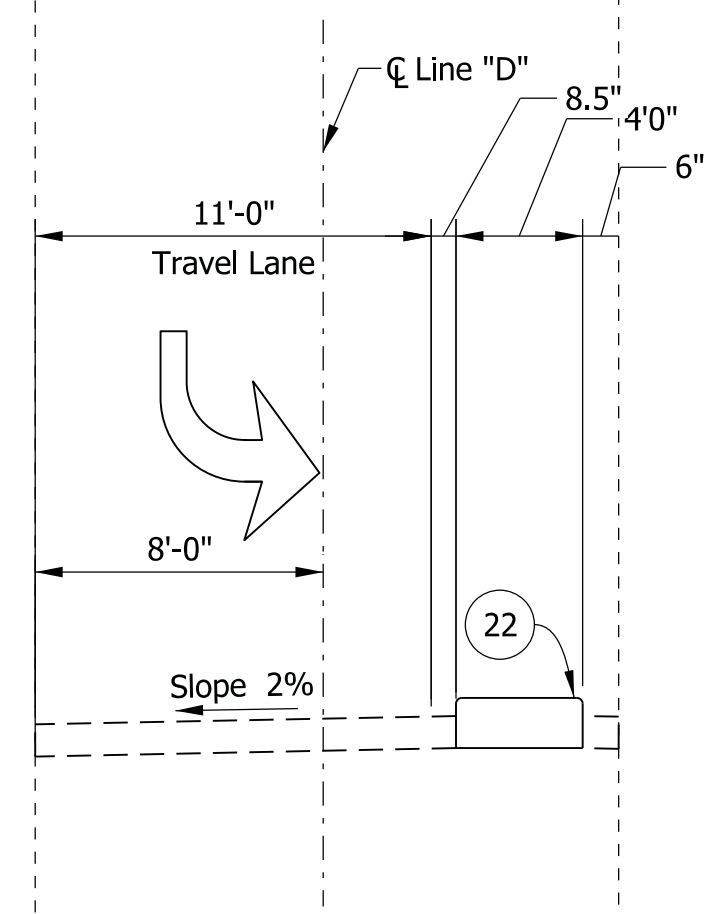
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DESIGNED: _____ HER _____	DRAWN: _____ CPH _____	
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**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
  
**ROADWAY TYPICAL CROSS SECTIONS**

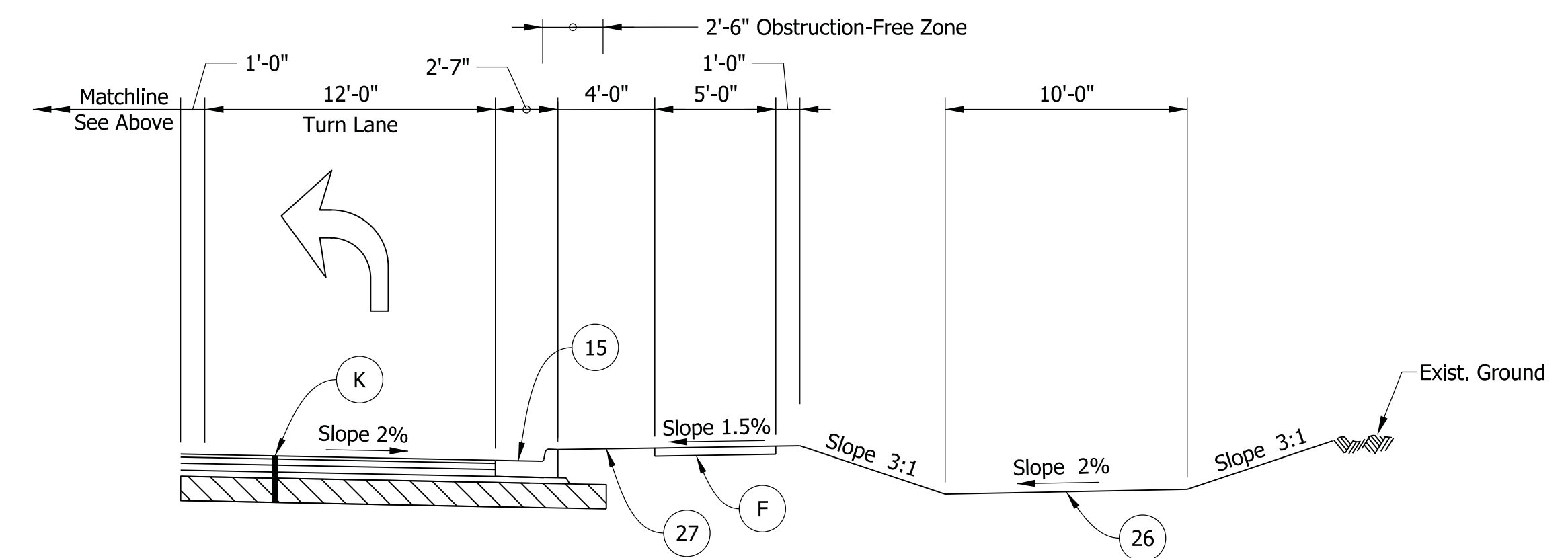
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Electronic	5	of 119
CONTRACT	PROJECT	
R-40869	1700182	



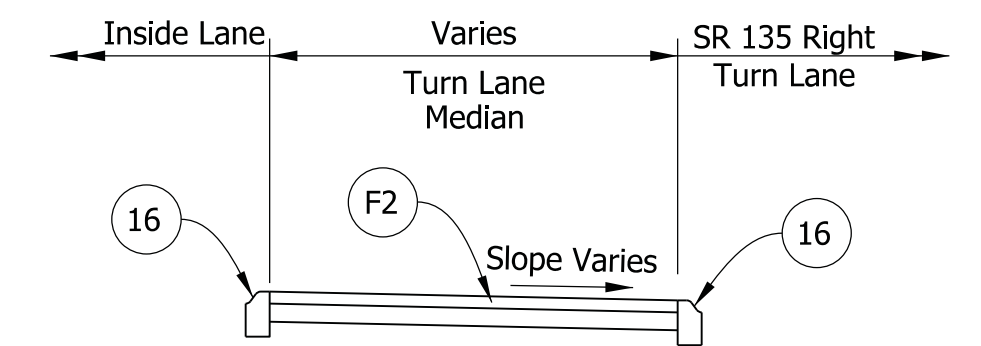
US 31 TYPICAL SECTION  
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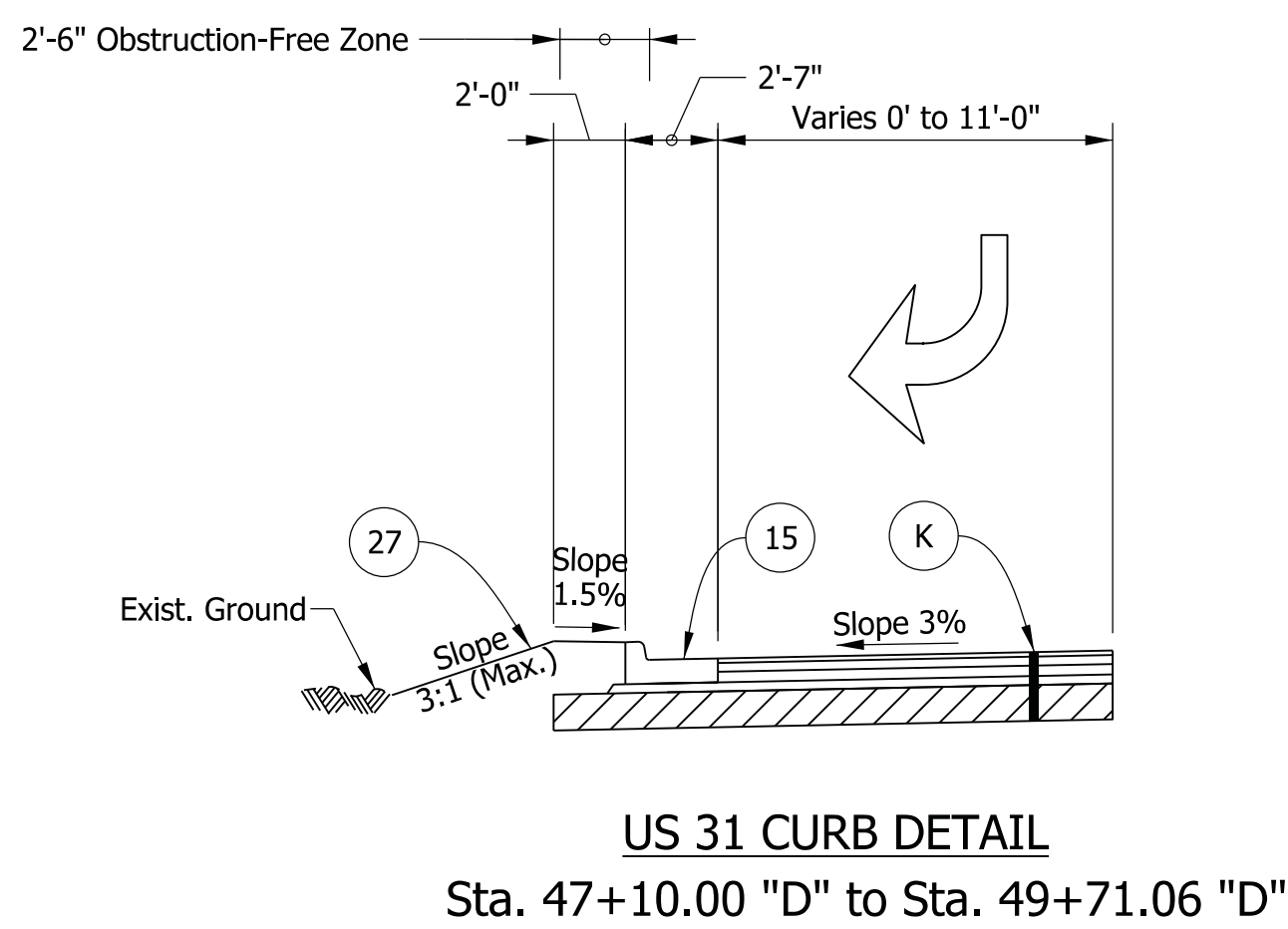
US 31 TURN LANE DETAIL  
Sta. 49+32.48 "D" to Sta. 49+71.06 "D"



SR 135 TO US 31 NB - RIGHT TURN LANE WITH DITCH  
Sta. 45+96.40 "D" to Sta. 49+27.75 "D"

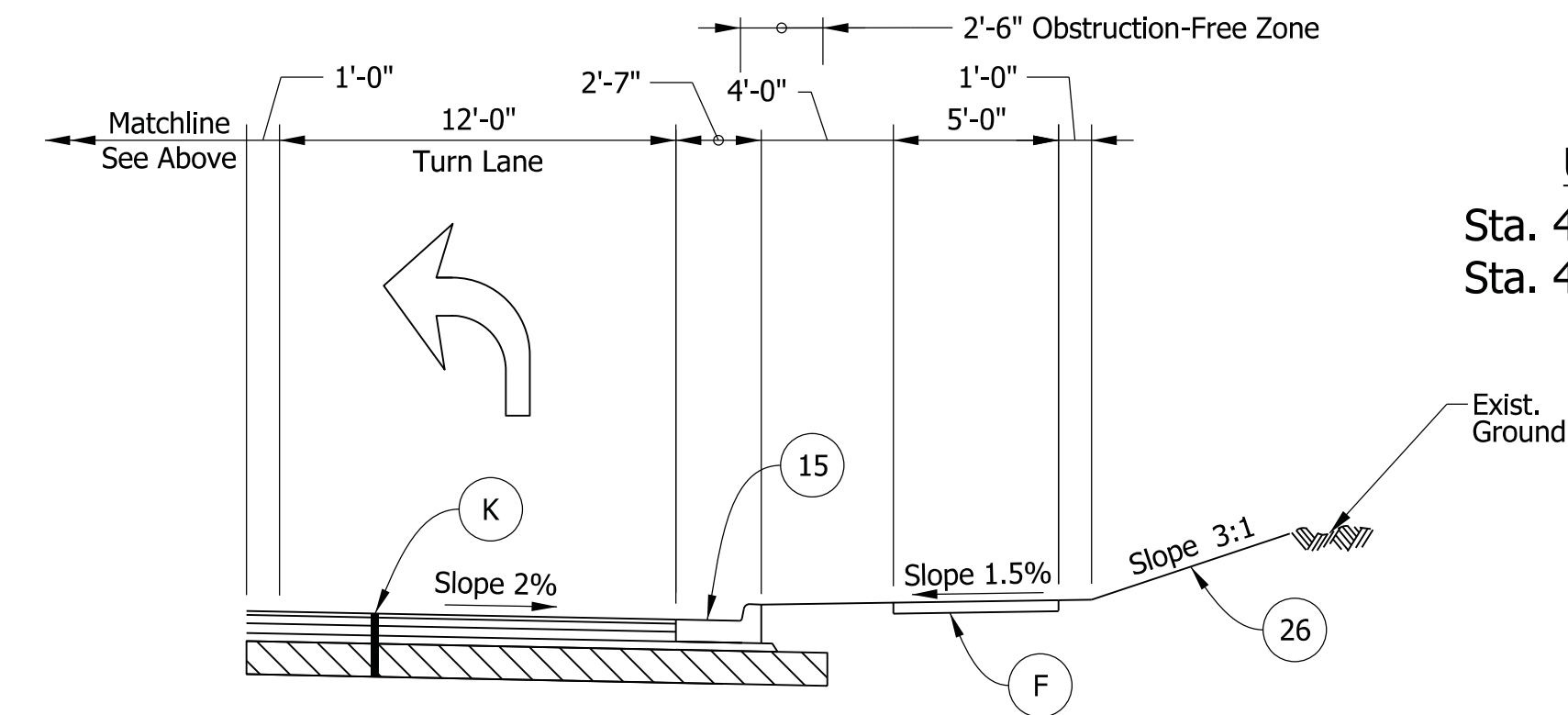


US 31 Turn Lane Island Detail  
Sta. 45+96.67 "D" to Sta. 47+03.16 "D"  
Sta. 47+03.16 "D" to Sta. 49+16.36 "D"



US 31 CURB DETAIL  
Sta. 47+10.00 "D" to Sta. 49+71.06 "D"

US 31 TURN LANE DETAIL  
Sta. 48+64.00 "D" to Sta. 49+32.48 "D"  
No Median Work



SR 135 TO US 31 NB - RIGHT TURN LANE WITH CUT SLOPE  
Sta. 49+27.75 "D" to Sta. 49+71.06 "D"

Note: See TS-01 for Construction Materials Legend

See US 31 Turn Lane Island Detail and Construction Details for Variations

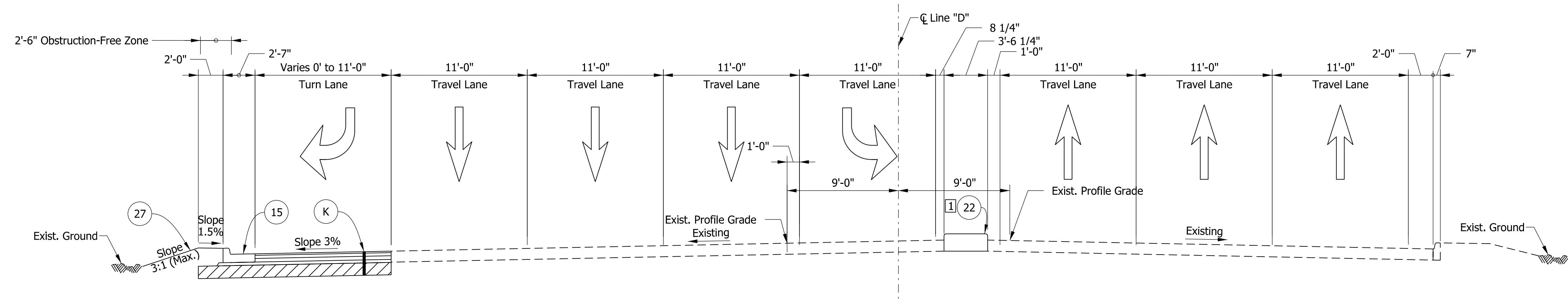
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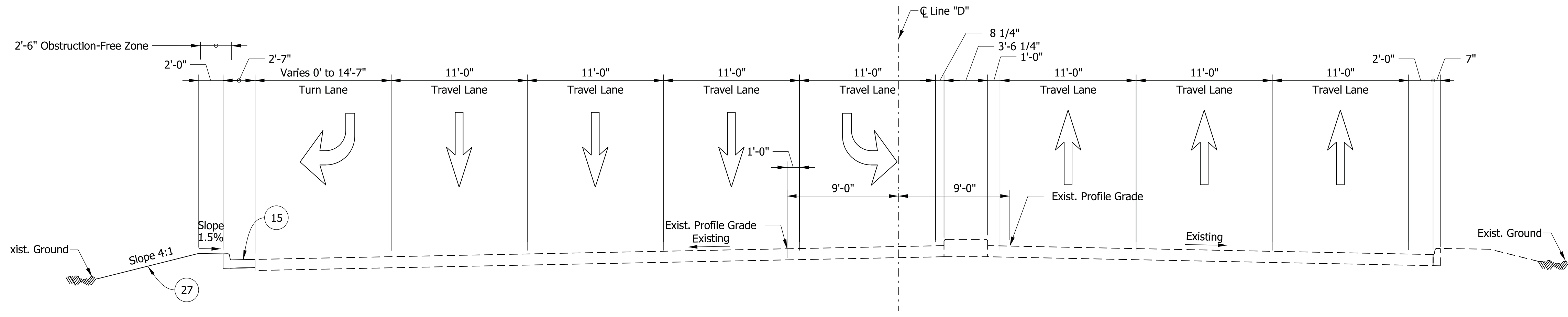
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DESIGNED: _____ HER _____	DRAWN: _____ CPH _____	
CHECKED: _____ JLC _____	CHECKED: _____ HER _____	

INDIANA DEPARTMENT OF TRANSPORTATION	
ROADWAY TYPICAL CROSS SECTIONS	

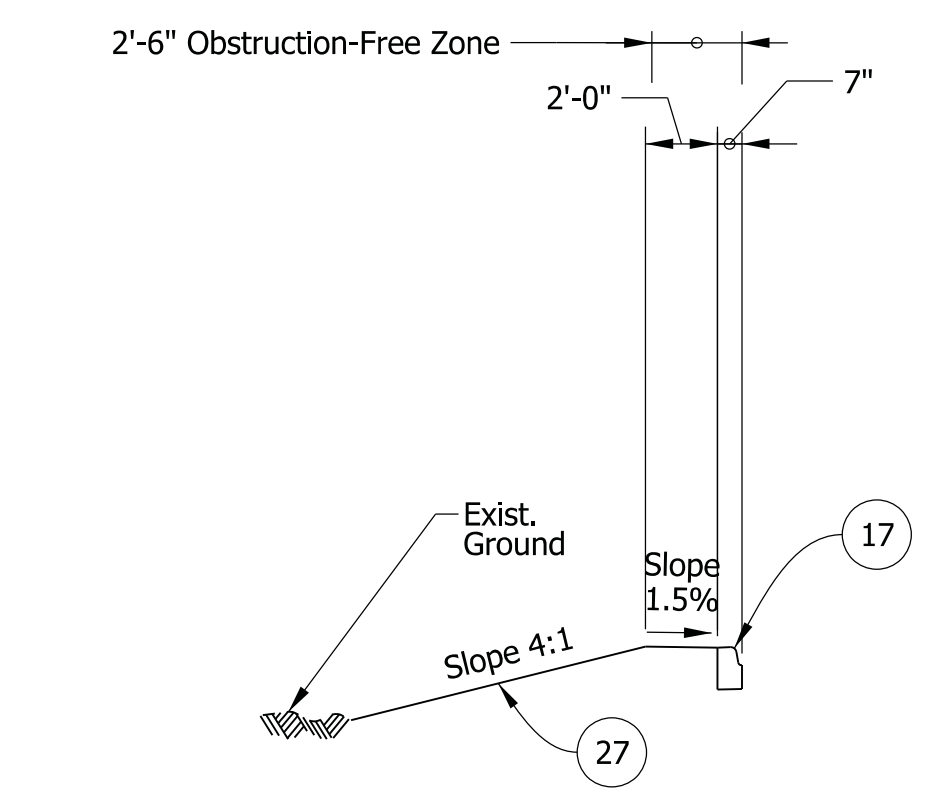
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VERTICAL SCALE	DESIGNATION
N/A	1700182
SURVEY BOOK	SHEETS
Electronic	6 of 119
CONTRACT	PROJECT
R-40869	1700182



**US 31 TYPICAL SECTION**  
Sta. 49+71.06 "D" to Sta. 51+10.71 "D"



**US 31 TYPICAL SECTION**  
Sta. 51+10.71 "D" to Sta. 51+47.47 "D"



**US 31 RIGHT TURN VERTICAL CURB DETAIL**  
Sta. 51+51+31.10 "D" to Sta. 51+47.47 "D"

1 No Curb Construction From Sta. 50+54.05 "D" to Sta. 51+47.47 "D"

Note: See TS-01 for Construction Materials Legend

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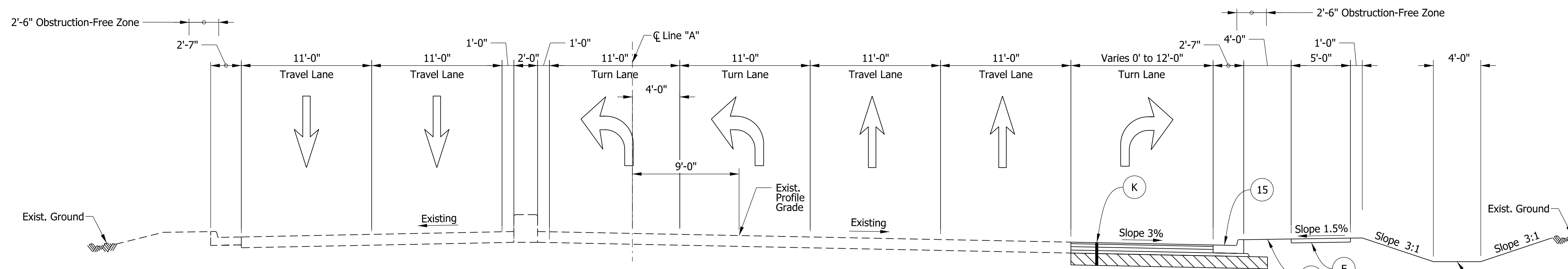
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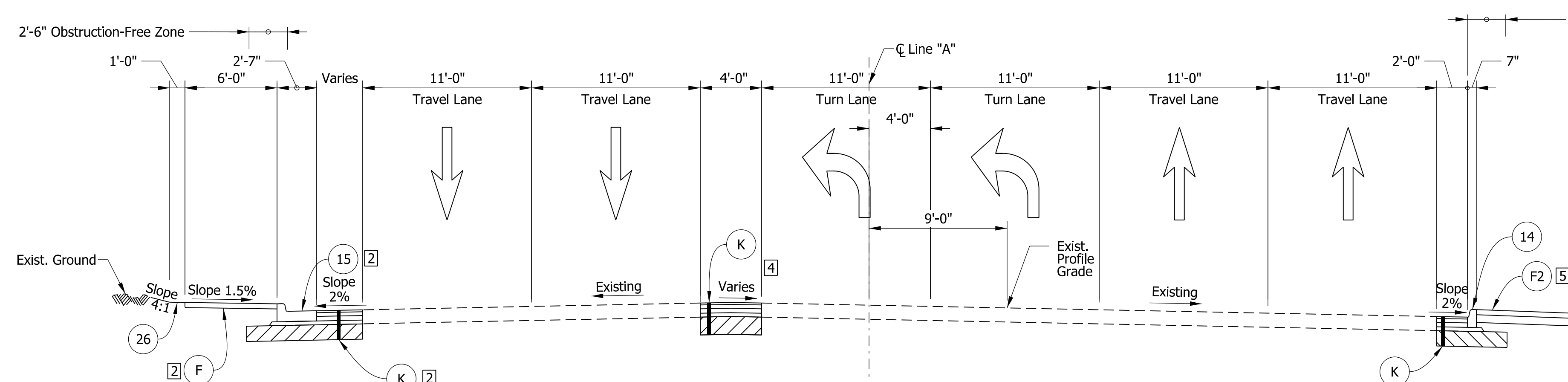
**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**

**ROADWAY TYPICAL CROSS SECTIONS**

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SURVEY BOOK	SHEETS	TS-05
Electronic	7 of	119
CONTRACT	PROJECT	
R-40869	1700182	

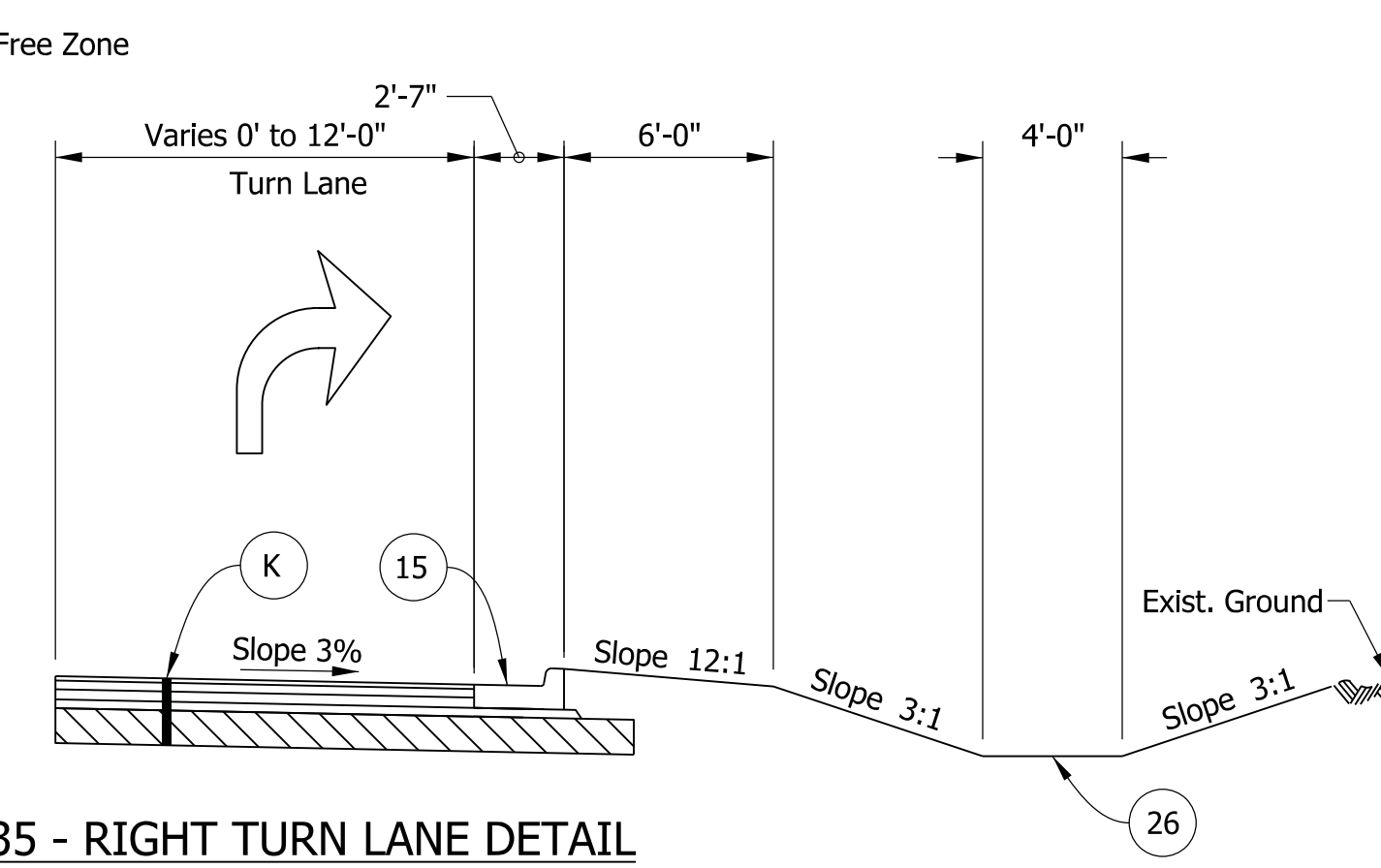


SR 135 TYPICAL SECTION  
Sta. 46+00.00 "A" to Sta. 48+40.00 "A"

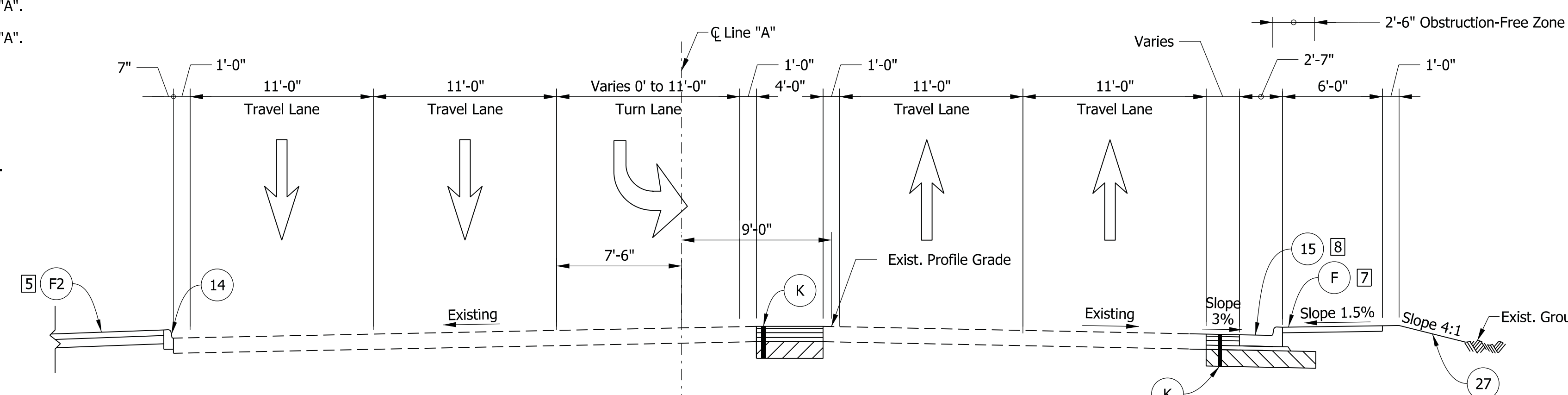


SR 135 TYPICAL SECTION  
Sta. 48+40.00 "A" to Sta. 49+38.89 "A"

SR 135 - RIGHT TURN LANE DETAIL  
Sta. 46+00.00 "A" to Sta. 47+34.34 "A"

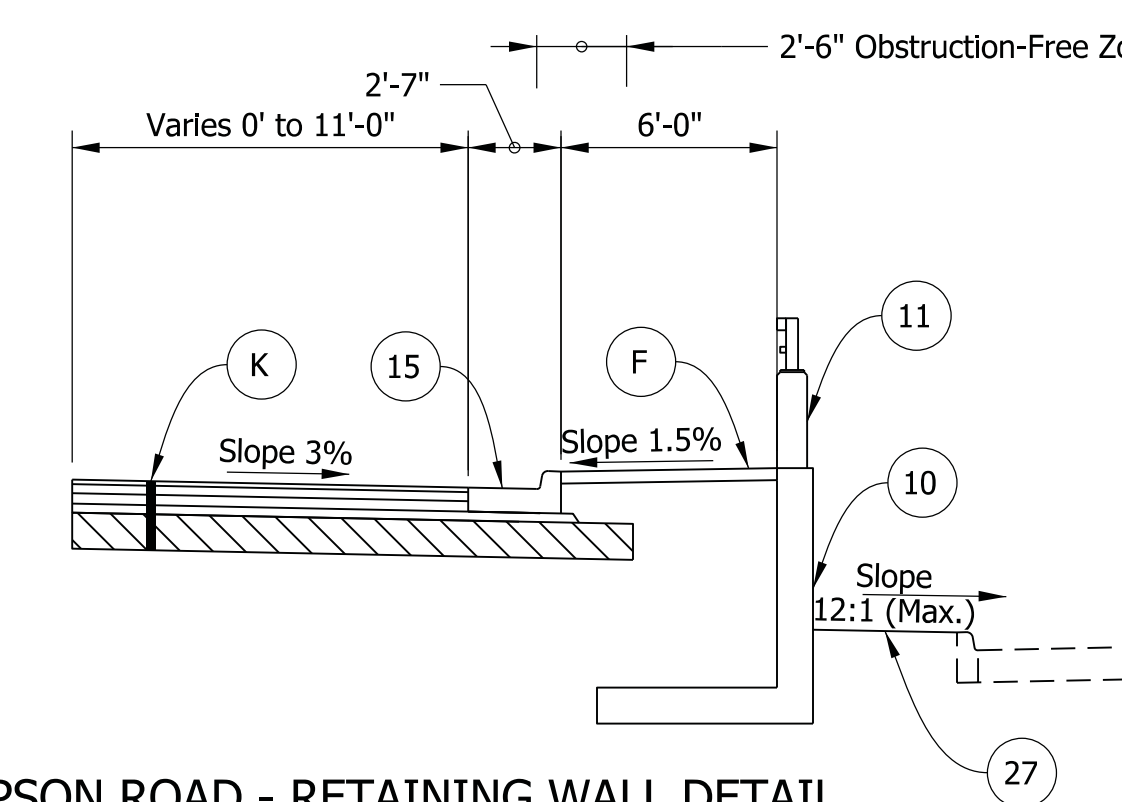


IN INTERSECTION - SEE CONSTRUCTION DETAILS  
Sta. 49+38.89 "A" to Sta. 50+39.49 "A"



THOMPSON ROAD TYPICAL SECTION  
Sta. 50+39.49 "A" to Sta. 51+18.50 "A"

THOMPSON ROAD - RETAINING WALL DETAIL  
Sta. 50+39.49 "A" to Sta. 50+43.33 "A"



- 1 Curb and Gutter Construction begins at Sta. 48+53.34 "A".
- 2 Curb and Gutter Construction begins at Sta. 48+53.34 "A".
- 3 Sidewalk Construction begins at Sta. 48+65.50 "A".
- 4 Median Curb Replacement ends at Sta. 49+03.00 "A".
- 5 See Construction Details for Turn Lane Islands
- 6 Median Curb Replacement Begins at Sta. 50+63.00 "A".
- 7 Sidewalk Construction ends at Sta. 50+99.56 "A".
- 8 See Curb Reconstruction Detail on Next Sheet.

Note: See TS-01 for Construction Materials Legend

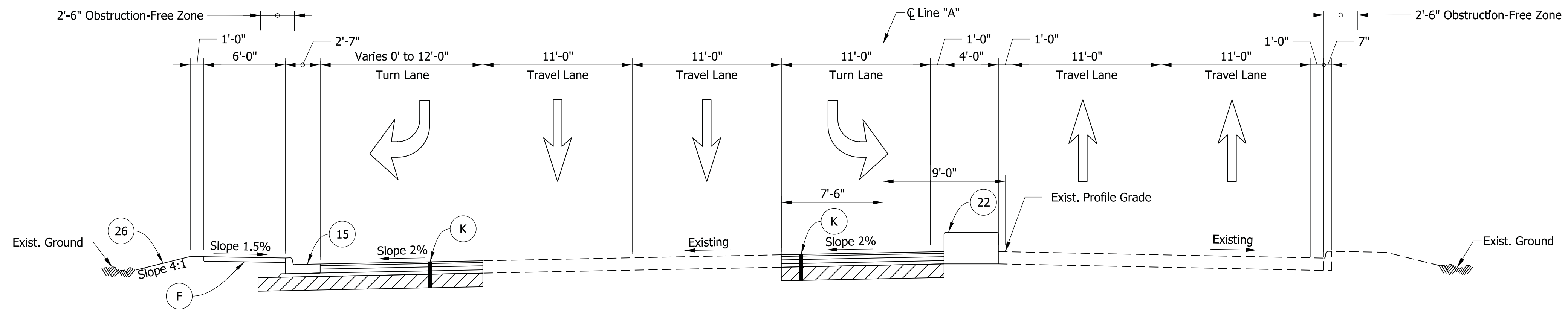
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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ HER _____	DRAWN: _____ CPH _____	
CHECKED: _____ JLC _____	CHECKED: _____ HER _____	

INDIANA  
DEPARTMENT OF TRANSPORTATION  
  
ROADWAY TYPICAL CROSS SECTIONS

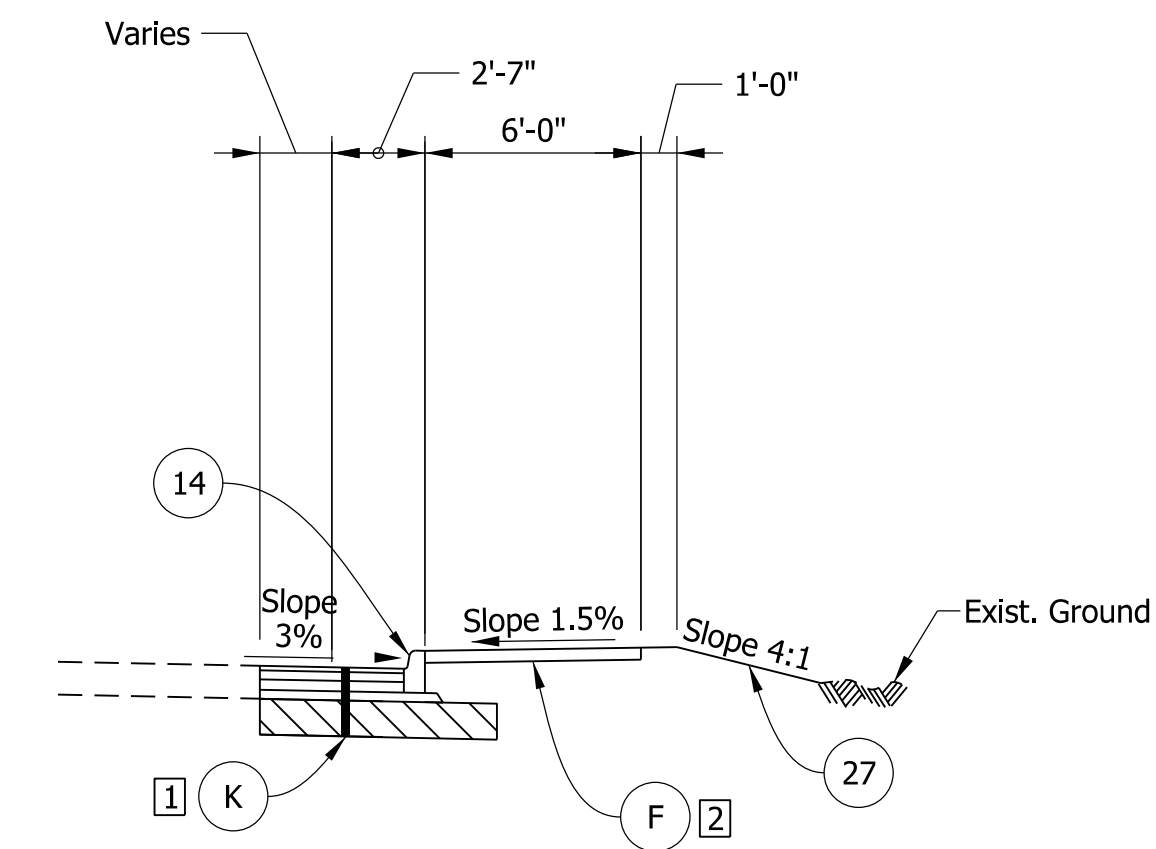
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VERTICAL SCALE	DESIGNATION
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Electronic	8 of 119
CONTRACT	PROJECT
R-40869	1700182



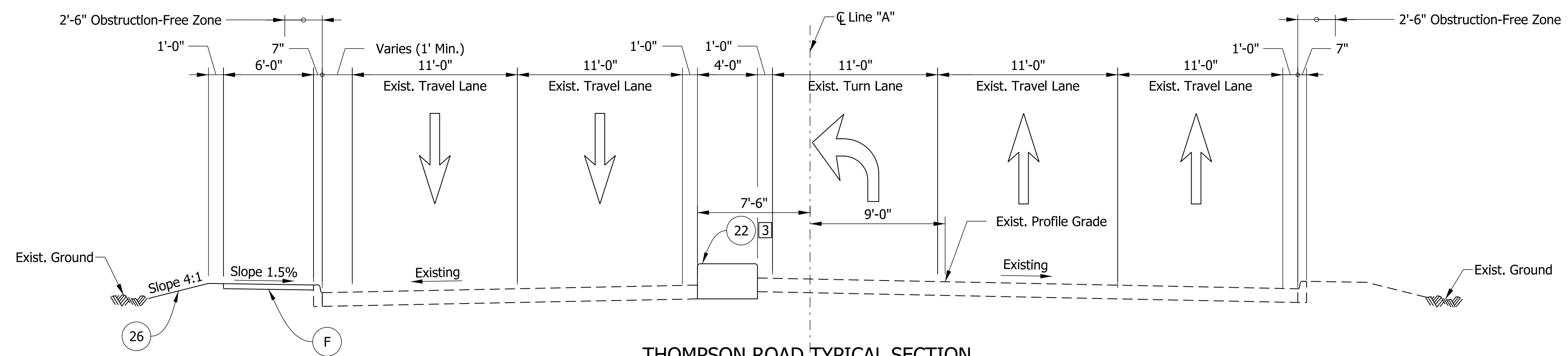


THOMPSON ROAD TYPICAL SECTION  
Sta. 51+18.50 "A" to Sta. 52+53.50 "A"

- 1 Sidewalk Construction ends at Sta. 50+99.56 "A".
- 2 Sidewalk Construction ends at Sta. 50+99.56 "A".
- 3 Median Construction ends at Sta. 52+94.13 "A".



THOMPSON ROAD - CURB RECONSTRUCTION DETAIL  
Sta. 50+85.66 "A" to Sta. 51+28.20 "A"



THOMPSON ROAD TYPICAL SECTION  
Sta. 52+53.50 "A" to Sta. 52+99.18 "A"

Note: See TS-01 for Construction Materials Legend

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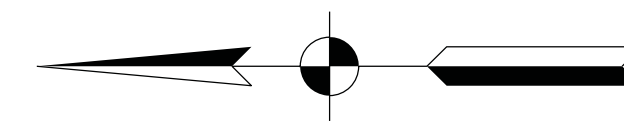
**DRAFT**  
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ HER _____	DRAWN: _____ CPH _____	
CHECKED: _____ JLC _____	CHECKED: _____ HER _____	

INDIANA  
DEPARTMENT OF TRANSPORTATION

ROADWAY TYPICAL CROSS SECTIONS

HORIZONTAL SCALE	BRIDGE FILE	
3/16"=1'-0"	N/A	
VERTICAL SCALE	DESIGNATION	
N/A	1700182	
SURVEY BOOK	SHEETS	TS-07
Electronic	9 of	119
CONTRACT	PROJECT	
R-40869	1700182	



END CONSTRUCTION  
PROJECT NO. 1700182  
P.O.T. STA. 109+06.78  
RAMP "PR-SWC"  
N: 724418.36  
E: 1388608.23

BEGIN PROJECT  
PROJECT NO. 1700182  
P.O.T. STA. 26+54.96  
LINE "D"  
N: 724463.99  
E: 1388646.66

END CONSTRUCTION  
PROJECT NO. 1700182  
P.O.T. STA. 52+99.18  
LINE "A"  
N: 722637.67  
E: 1388955.26

END PROJECT  
PROJECT NO. 1700182  
P.O.T. STA. 51+47.47  
LINE "D"  
N: 721971.55  
E: 1388655.69

BEGIN CONSTRUCTION  
PROJECT NO. 1700182  
P.O.C. STA. 46+00.00  
LINE "A"  
N: 722449.77  
E: 1388297.23

BEGIN CONSTRUCTION  
PROJECT NO. 1700182  
P.O.T. STA. 101+00.00  
RAMP "PR-SWC"  
N: 724683.20  
E: 1387853.97

BEGIN INCIDENTAL CONSTRUCTION  
PROJECT NO. 1700182  
P.O.T. STA. 100+75.00  
RAMP "PR-SWC"  
N: 724694.70  
E: 1387831.77

**NOTE TO REVIEWER:**  
Project overview sheet included to show the project intent.  
The project will realign the I-465 EB Exit ramp to US 31 SB  
and construct a displaced left intersection at US 31 and  
SR 135/Thompson Road.

**DRAFT**  
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: HER	DRAWN: CPH	
CHECKED: JLC	CHECKED: HER	

**INDIANA  
DEPARTMENT OF TRANSPORTATION**

**PROJECT OVERVIEW**

HORIZONTAL SCALE	BRIDGE FILE	
1"=100'	N/A	
VERTICAL SCALE	DESIGNATION	
N/A	1700182	
SURVEY BOOK	SHEETS	OV-01
Electronic	13 of	119
CONTRACT	PROJECT	
R-40869	1700182	

clustman  
 5/6/2020 8:59:38 am  
 model:Sheet1  
 file: \\india\02089\projects\22904\_indot\of on call\010 - us 31 intersection\caad\1\1\cads\72904-rd-s-ov01.dgn

# M.O.T. PHASE 1 CONSTRUCTION ACTIVITIES

- Traffic:**
- US 31 NB and SB
    - A. Maintain 2 thru lanes, 1 shared thru/right turn lane, and 1 left turn lane
  - SR 135 EB
    - A. Maintain a minimum of 1 shared thru/right turn lane, and 1 left turn lane at night
  - Thompson Road WB
    - A. Maintain a minimum of 1 shared thru/left turn lane, and 1 right turn lane at night
  - I-465 Exit Ramp onto US 31 SB
    - A. Shift traffic onto the outside of the ramp

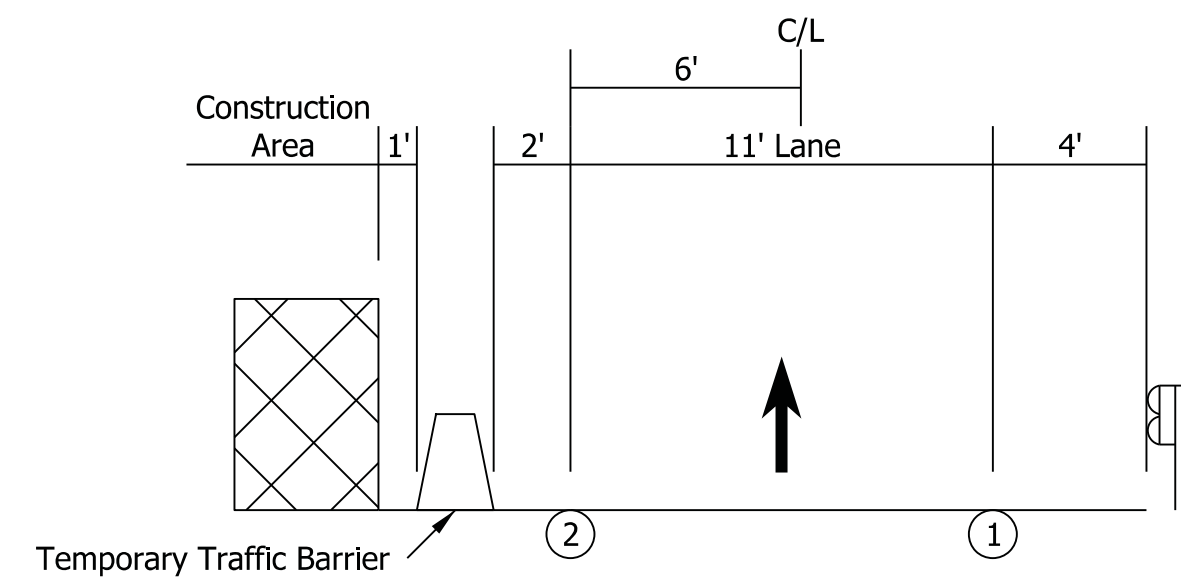
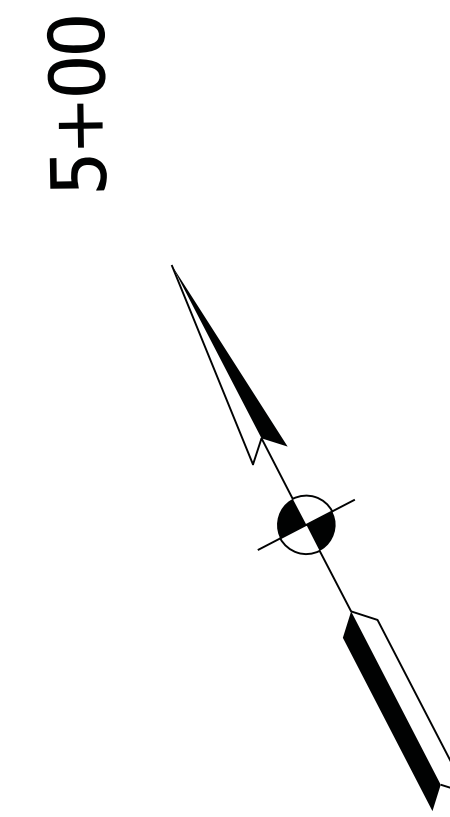
- Construction:**
- Remove existing pavement markings and install temporary markings as shown.
  - Construct SR 135 and Thompson Road medians
  - Construct proposed I-465 to US 31 SB exit ramp

- Note:**
- Existing pavement marking that conflict with M.O.T. layout to be removed
  - Maintain access to property owners at all times
  - Traffic drum spacing
    - 50' typical
    - 25' at tapers

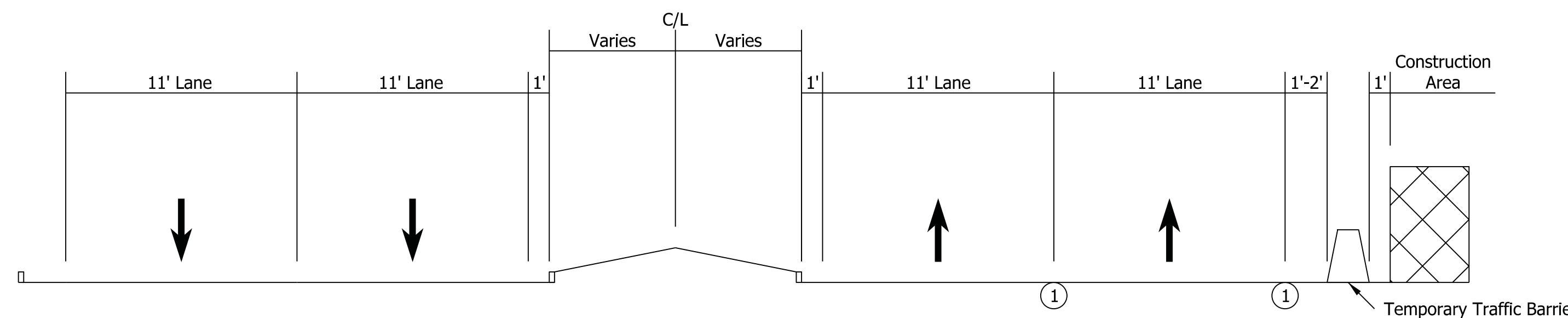
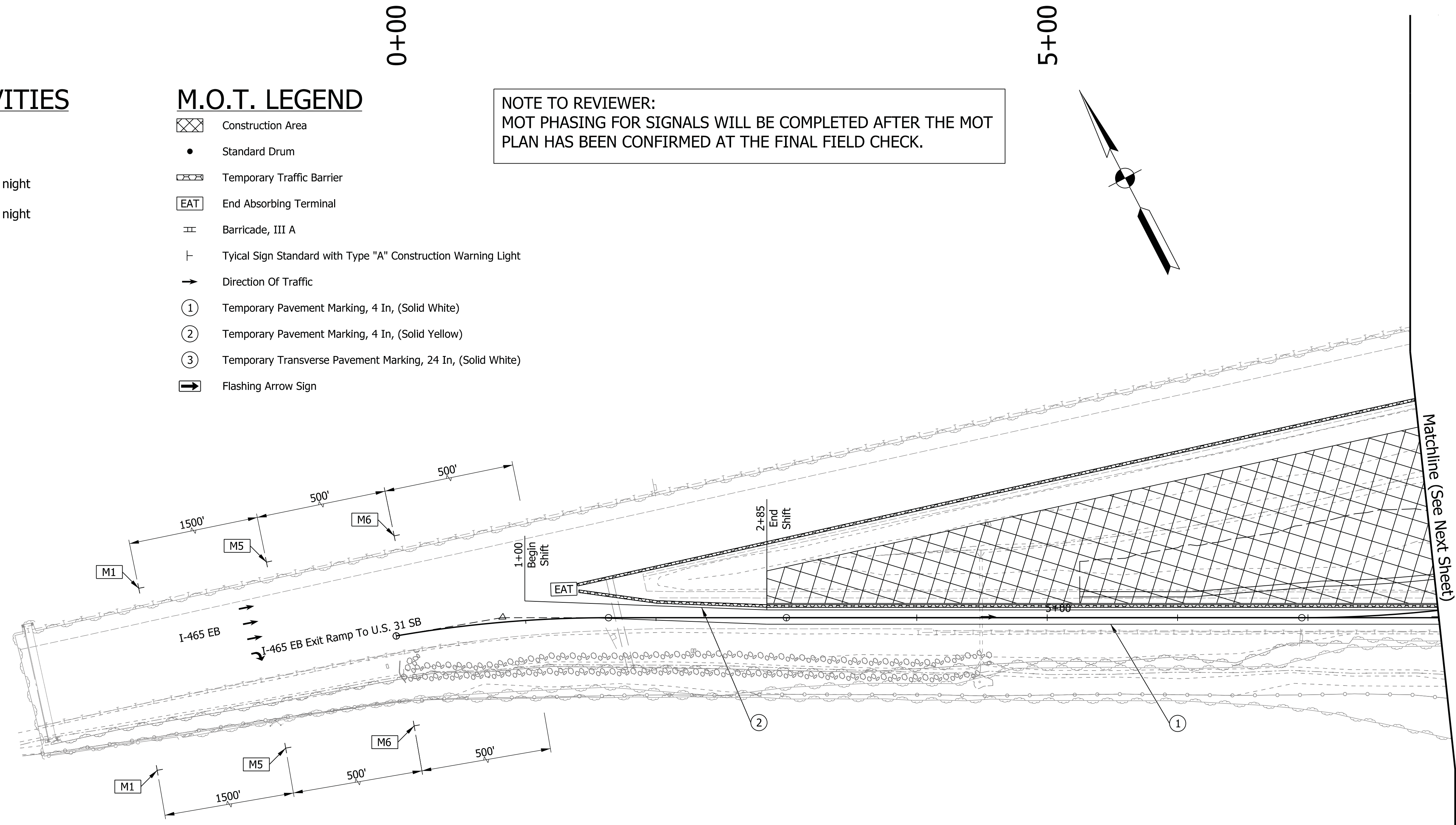
# M.O.T. LEGEND

- Construction Area
- Standard Drum
- Temporary Traffic Barrier
- End Absorbing Terminal
- Barricade, III A
- Typical Sign Standard with Type "A" Construction Warning Light
- Direction Of Traffic
- Temporary Pavement Marking, 4 In, (Solid White)
- Temporary Pavement Marking, 4 In, (Solid Yellow)
- Temporary Transverse Pavement Marking, 24 In, (Solid White)
- Flashing Arrow Sign

**NOTE TO REVIEWER:**  
MOT PHASING FOR SIGNALS WILL BE COMPLETED AFTER THE MOT PLAN HAS BEEN CONFIRMED AT THE FINAL FIELD CHECK.

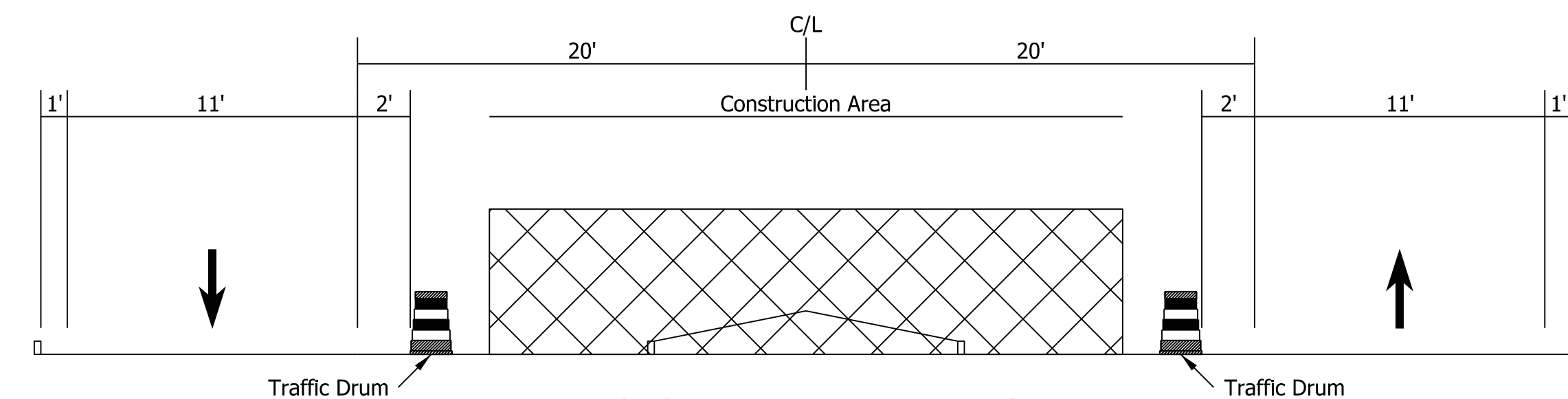


**I-74 EB Exit Ramp To U.S. 31 SB Section**  
N.T.S.



**U.S. 31 Section**  
N.T.S.

Note: See Plans for locations of 11' turn lanes.



**S.R. 135/Thompson Road Section**  
N.T.S.

Note: See Plans for locations of 11' turn lanes.

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**DRAFT**  
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ HER _____	DRAWN: _____ CPH _____	
CHECKED: _____ JLC _____	CHECKED: _____ HER _____	

INDIANA  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - PHASE I  
LINE "PR-SWC"

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700182
SURVEY BOOK	SHEETS MOT-02
Electronic	15 of 119
CONTRACT	PROJECT
R-40869	1700182



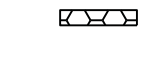

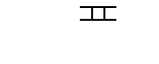
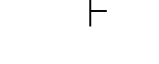
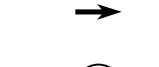
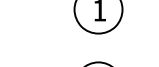


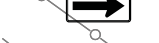
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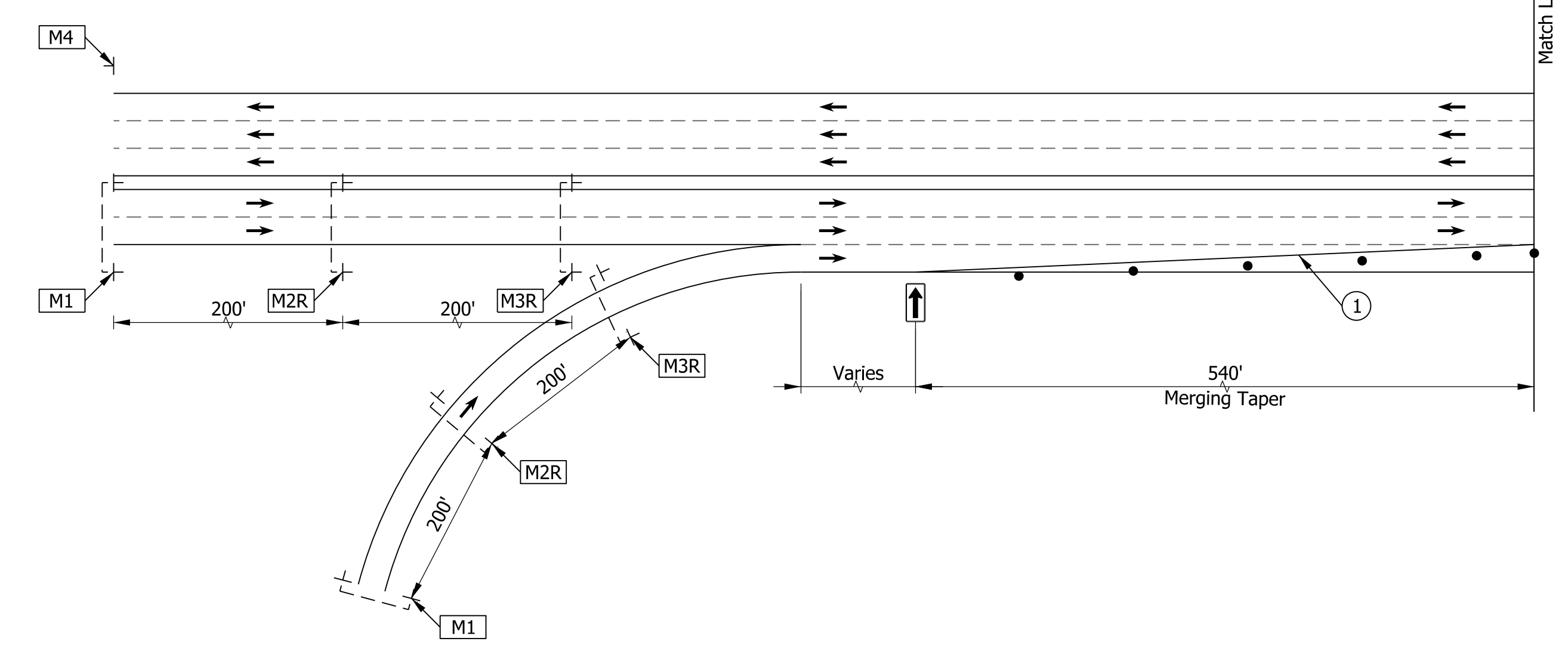
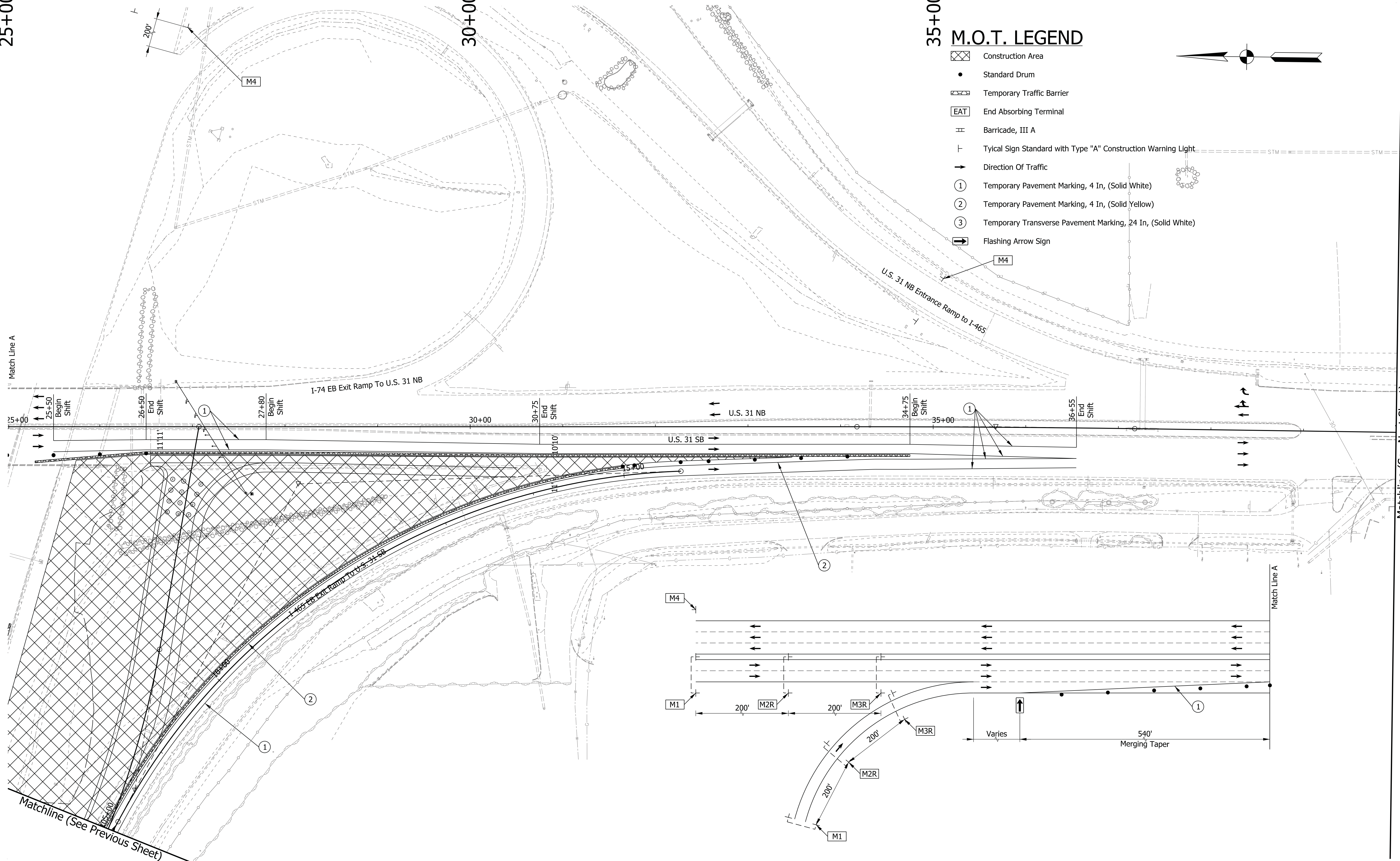
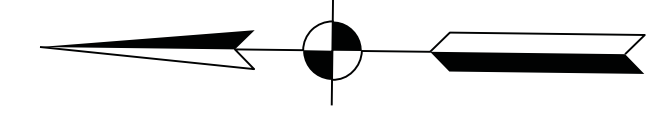
25+00

30+00

35+00

**M.O.T. LEGEND**

-  Construction Area
-  Standard Drum
-  Temporary Traffic Barrier
-  End Absorbing Terminal
-  Barricade, III A
-  Typical Sign Standard with Type "A" Construction Warning Light
-  Direction Of Traffic
-  Temporary Pavement Marking, 4 In, (Solid White)
-  Temporary Pavement Marking, 4 In, (Solid Yellow)
-  Temporary Transverse Pavement Marking, 24 In, (Solid White)
-  Flashing Arrow Sign



Matchline (See Previous Sheet)

Matchline (See Next Sheet)

**DRAFT**  
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: HER	DRAWN: CPH	
CHECKED: JLC	CHECKED: HER	

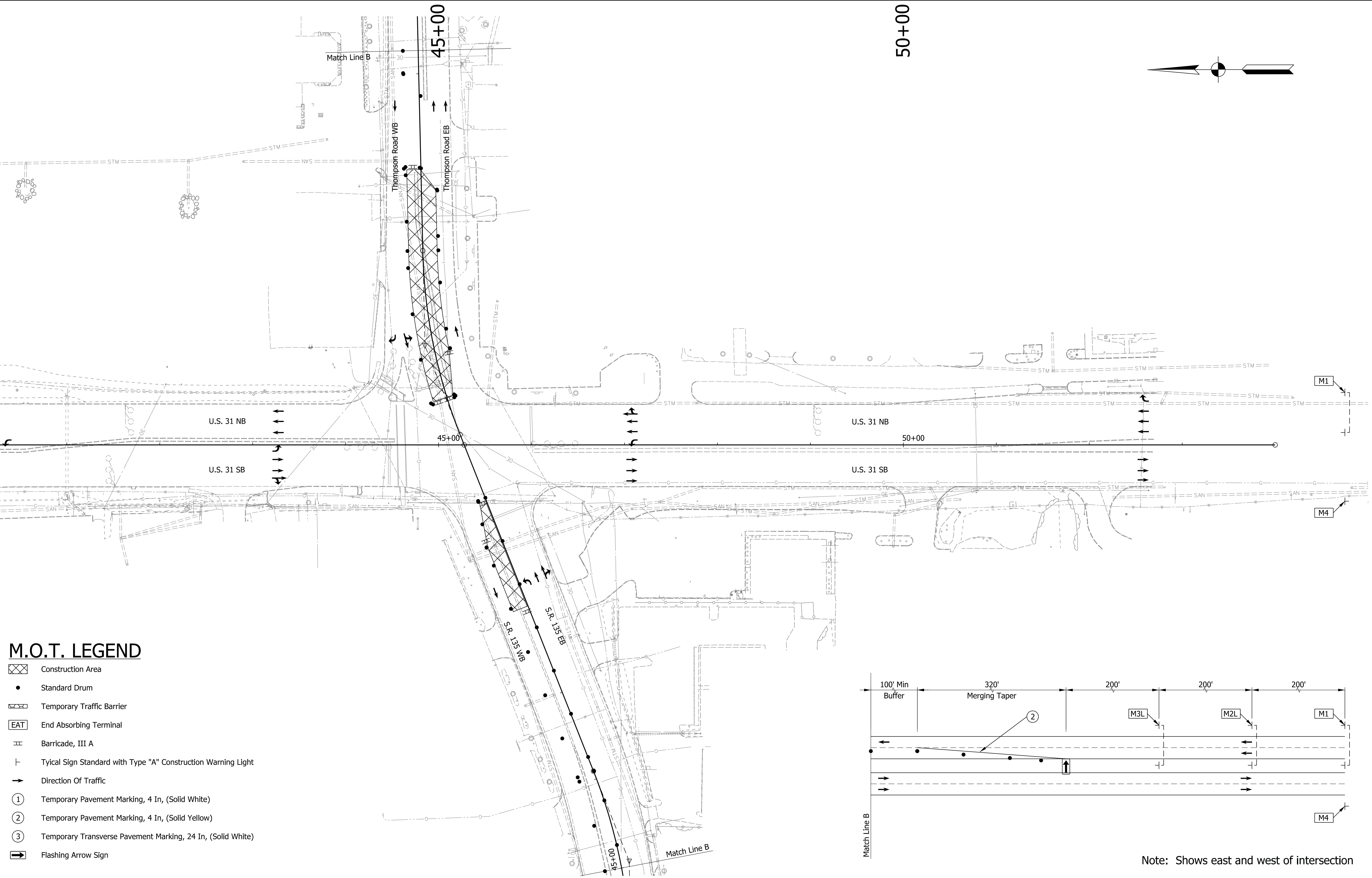
INDIANA  
DEPARTMENT OF TRANSPORTATION  
  
MAINTENANCE OF TRAFFIC - PHASE I  
LINE "D"

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700182
SURVEY BOOK	SHEETS MOT-03
Electronic	16 of 119
CONTRACT	PROJECT
R-40869	1700182



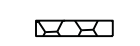

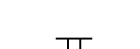






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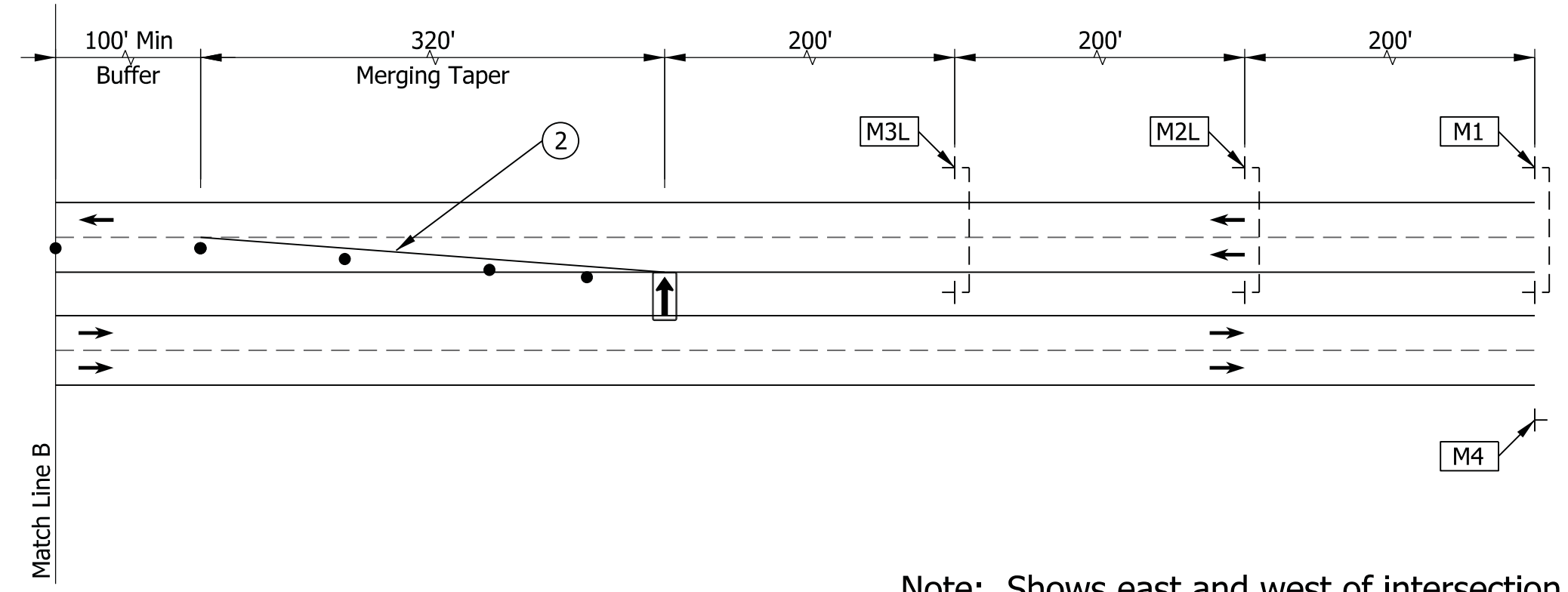
40+00

Matchline (See Previous Sheet)



**M.O.T. LEGEND**

-  Construction Area
-  Standard Drum
-  Temporary Traffic Barrier
-  End Absorbing Terminal
-  Barricade, III A
-  Typical Sign Standard with Type "A" Construction Warning Light
-  Direction Of Traffic
-  ① Temporary Pavement Marking, 4 In, (Solid White)
-  ② Temporary Pavement Marking, 4 In, (Solid Yellow)
-  ③ Temporary Transverse Pavement Marking, 24 In, (Solid White)
-  Flashing Arrow Sign



Note: Shows east and west of intersection

**DRAFT**  
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ HER _____	DRAWN: _____ CPH _____	
CHECKED: _____ JLC _____	CHECKED: _____ HER _____	

INDIANA  
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC - PHASE I  
LINE "D"

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700182
SURVEY BOOK	SHEETS MOT-04
Electronic	17 of 119
CONTRACT	PROJECT
R-40869	1700182

### M.O.T. PHASE 2 CONSTRUCTION ACTIVITIES

- Traffic:**
- US 31 NB and SB
    - Maintain 1 thru lanes, 1 shared thru/right turn, and 1 left turn lane
    - Maintain a minimal of 1 shared thru/right turn, and 1 left turn lane for installing cross culvert pipe
    - Allow 1 full closure, at night, on US 31 NB for removing sign structure
  - SR 135 EB
    - Maintain 1 shared thru/right turn, and 2 left turn lanes
  - Thompson Road WB
    - Maintain 1 shared thru/right turn lane, and 1 left turn lane
  - I-465 Exit Ramp onto US 31 SB
    - Shift traffic north onto temporary and proposed pavement.
  - US 31 NB onto I-465
    - Maintain 1 exit lane.

- Construction:**
- Remove existing pavement markings and install temporary markings as shown.
  - Construct proposed US 31 and SR 135 intersection roadway
  - Construct proposed I-465 to US 31 SB exit ramp

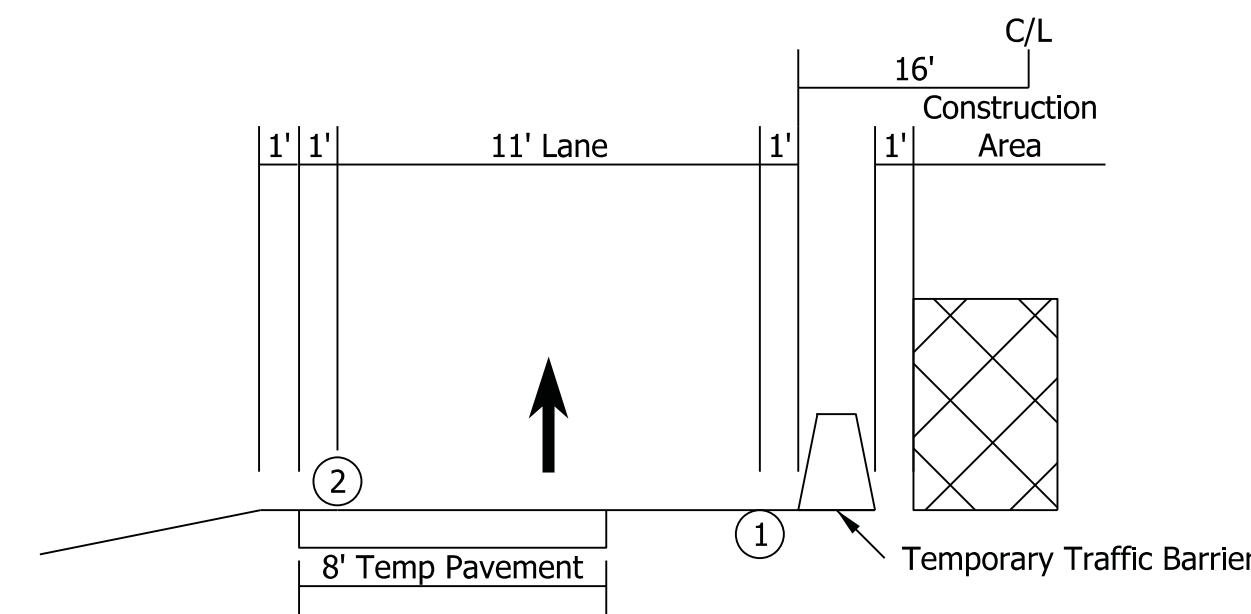
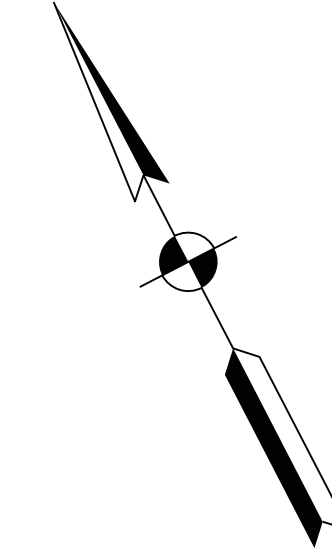
- Note:**
- Existing pavement marking that conflict with M.O.T. layout to be removed
  - Maintain access to property owners at all times
  - Traffic drum spacing
    - 50' typical
    - 25' at tapers

### M.O.T. LEGEND

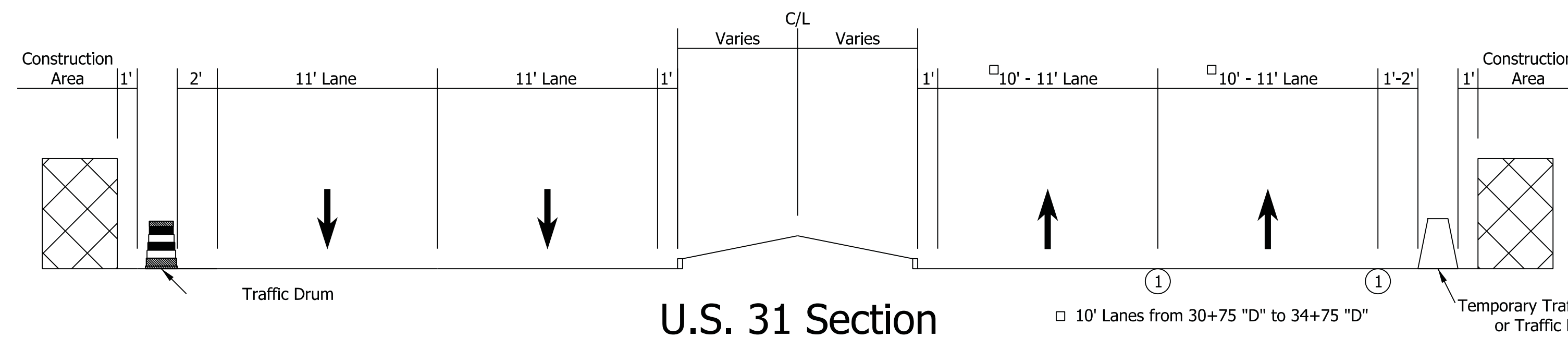
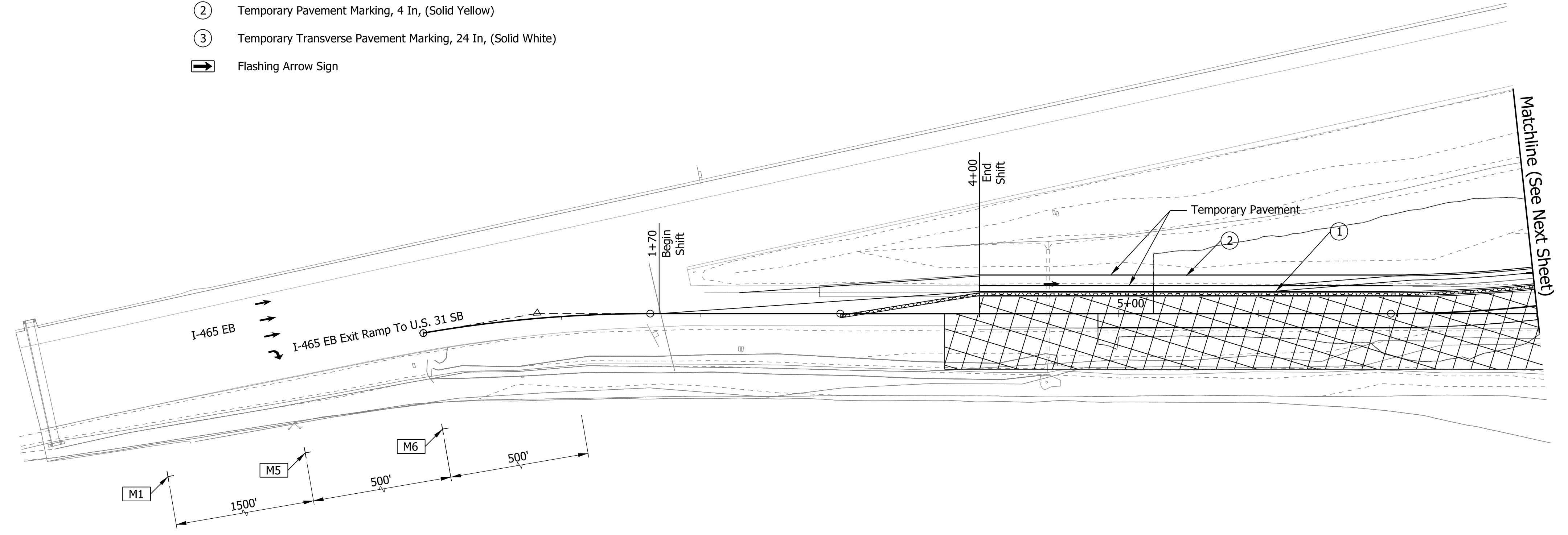
- Construction Area
- Standard Drum
- Temporary Traffic Barrier
- End Absorbing Terminal
- Barricade, III A
- Typical Sign Standard with Type "A" Construction Warning Light
- Direction Of Traffic
- Temporary Pavement Marking, 4 In, (Solid White)
- Temporary Pavement Marking, 4 In, (Solid Yellow)
- Temporary Transverse Pavement Marking, 24 In, (Solid White)
- Flashing Arrow Sign

0+00

5+00

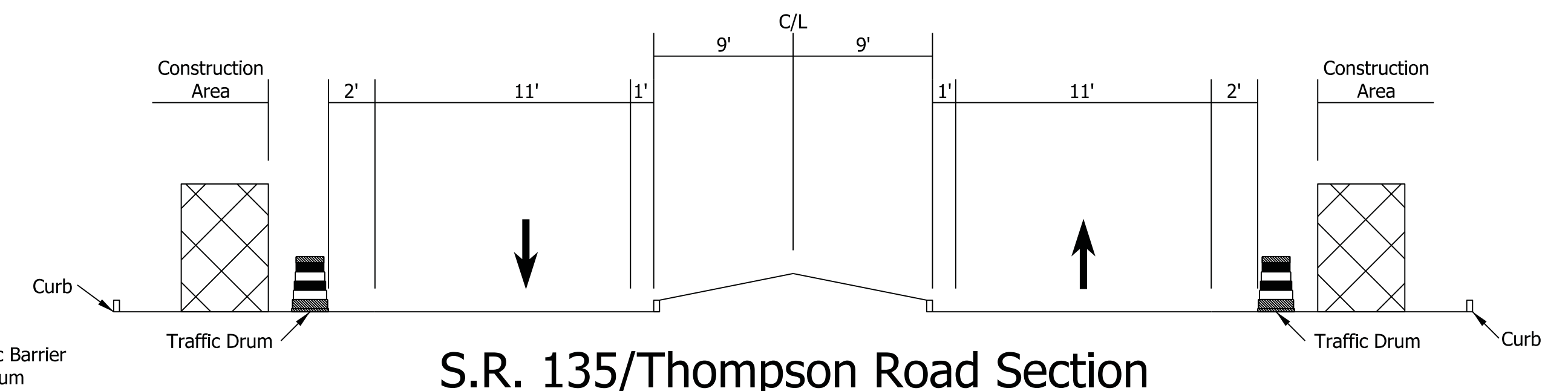


**I-74 EB Exit Ramp To U.S. 31 SB Section**  
N.T.S.



**U.S. 31 Section**  
N.T.S.

Note: See Plans for locations of 11' turn lanes.



**S.R. 135/Thompson Road Section**  
N.T.S.

Note: See Plans for locations of 11' turn lanes.

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**DRAFT**  
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ HER _____	DRAWN: _____ CPH _____	
CHECKED: _____ JLC _____	CHECKED: _____ HER _____	

INDIANA DEPARTMENT OF TRANSPORTATION	
MAINTENANCE OF TRAFFIC - PHASE II LINE "PR-SWC"	

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700182
SURVEY BOOK	SHEETS MOT-05
Electronic	18 of 119
CONTRACT	PROJECT
R-40869	1700182

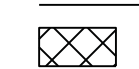

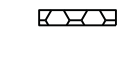

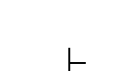


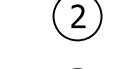
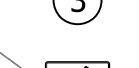
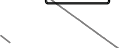

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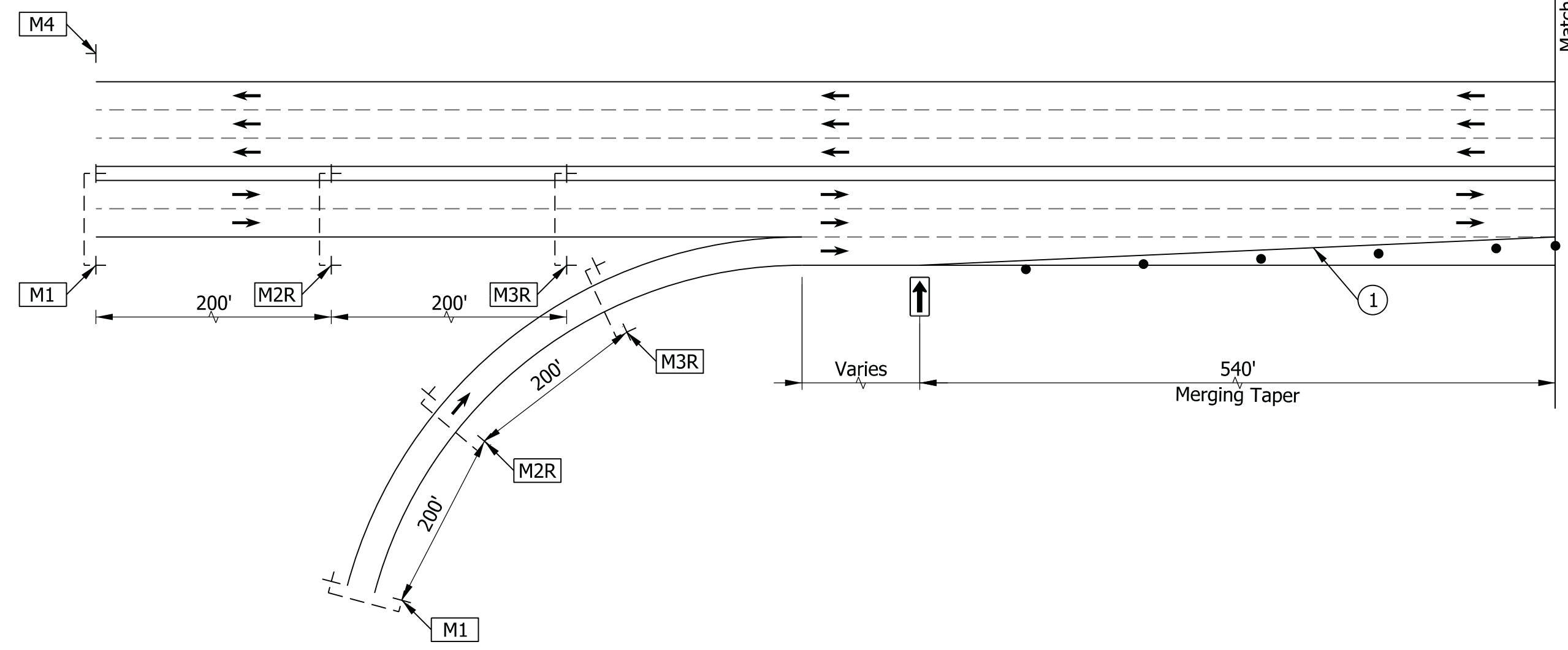
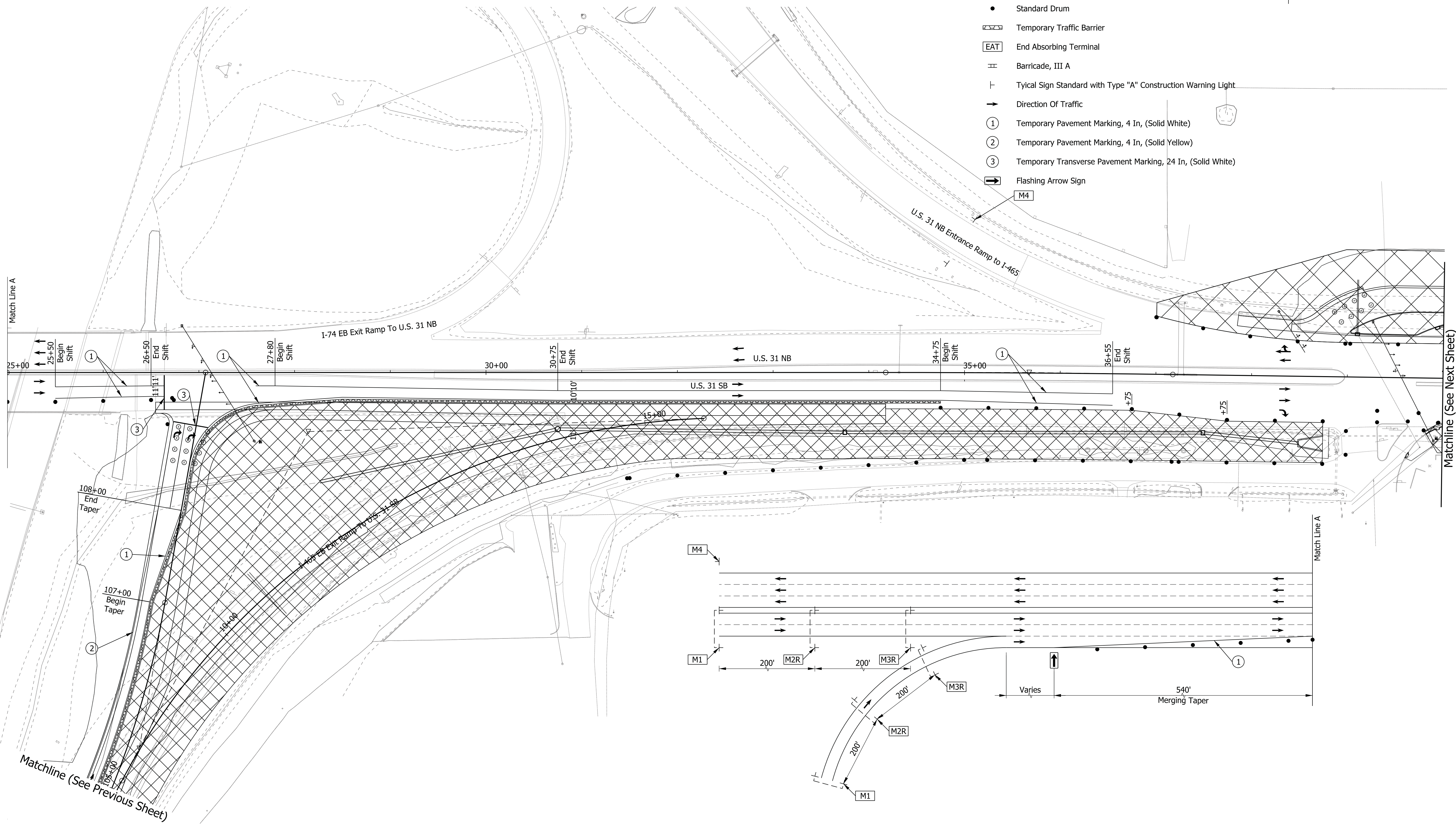
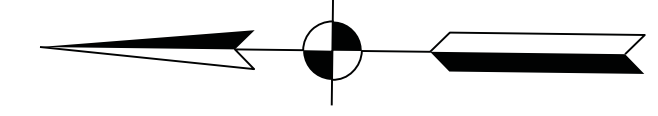
30+00

35+00

40+00

### M.O.T. LEGEND

-  Construction Area
-  Standard Drum
-  Temporary Traffic Barrier
-  End Absorbing Terminal
-  Barricade, III A
-  Typical Sign Standard with Type "A" Construction Warning Light
-  Direction Of Traffic
-  Temporary Pavement Marking, 4 In, (Solid White)
-  Temporary Pavement Marking, 4 In, (Solid Yellow)
-  Temporary Transverse Pavement Marking, 24 In, (Solid White)
-  Flashing Arrow Sign



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 model:Sheet2  
 file:n:\72904\indot.gr on call\010 - us 31 intersection\cadd\tr1\cadd\72904-rd-s-mot02.dgn

**DRAFT**  
 NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: HER	DRAWN: CPH	
CHECKED: JLC	CHECKED: HER	

INDIANA  
 DEPARTMENT OF TRANSPORTATION  
  
 MAINTENANCE OF TRAFFIC - PHASE II  
 LINE "D"

HORIZONTAL SCALE	BRIDGE FILE	
1"=50'	N/A	
VERTICAL SCALE	DESIGNATION	
N/A	1700182	
SURVEY BOOK	SHEETS	MOT-06
Electronic	19 of	119
CONTRACT	PROJECT	
R-40869	1700182	