

ALIGNMENT/ROW SHEETS:

1. Label all roadway names and county drains at the outside of the sheet using MDOT_x_1.5_Mask text style.
2. Label all alignments using current naming convention.
3. Place north arrow in upper right corner.
4. Show section, township and range information, and city, village, township or county.
5. ROW is dimensioned only to the legal alignments. If a legal alignment is not available then the ROW is dimensioned from ROW line to ROW line. Label ROW within the sheet every time it changes. Label and dimension proposed ROW. Proposed R.O.W. within subdivisions should be dimensioned from lot corners. Proposed R.O.W. lines that are not parallel to the legal alignment shall have the bearings and distances indicated or have other ties adequate for writing property descriptions. Proposed R.O.W. ties and dimensions shall be accurate to two decimal places for distances and to the nearest second on bearings.
6. An alignment key is required and should be located in the upper left corner of the first alignment sheet.
7. Show section corners, quarter corners, quarter corners, section lines, bearings of the section lines and distances as shown. The section corner information will only be shown on the alignment sheets.
8. All crossroad alignment ties will only be shown on the alignment sheets.
9. Show tangent bearings on all alignments.
10. Existing and proposed alignment curve data is only shown on the alignment sheets. Show the curve data on the alignment sheet where the PI appears. List existing (if applicable) and proposed superelevation rates below curve data.
11. Dimension the distances between alignments.
12. Show parcel and plat lines on the alignment sheets. Parcel lines are not shown on the removal and construction sheets.
13. Label all subdivisions and plats. Label with proposed text size and on the appropriate level.
14. If a POT is shown at the end/beginning of an alignment, northing and easting shall be included to establish the location.
15. The POB/POE, job number, control section and mile points, and physical reference and mile points need to be shown at the beginning and end of the construction limits.
16. If the existing ROW has been established from survey and it is not dependent on the legal alignment, label the bearing and distance of the existing ROW and the station of the location that the ROW is no longer dependent on the legal alignment.
17. Label and dimension any existing or proposed easements.
18. Use the standard orientation for labeling PC, PI & PT locations whenever possible. These can be modified if readability becomes an issue.
19. Parcel numbers and property boundary information shall be shown on the Alignment/ROW sheets only.
20. Use separate sheets for ramp and/or crossroad alignments as needed, only show the information once.

21. The scale of the Alignment/ROW sheets is at the discretion of the designer. Due to the amount of information shown on these sheets it may be beneficial to use the same scale as the removal and construction sheets.
22. Show all station equations.
23. Show LA terminator cell signifying the change from LA ROW to ROW.
24. The alignment(s), stationing and curve data used to construct the roadway (the ones shown on typicals, removal, and construction sheets) will be shown as weight 1. All other alignments will be weight 0.
25. Consents to Grade shall be dimensioned from the proposed or existing R.O.W. lines. Consents to Grade are normally stationed to the nearest increment of 5 feet and widths in increments of 5 feet. Consents to Grade should be varied to avoid obstacles and the obstacles should be labeled as AVOID.


ALIGNMENT/ROW SHEETS - GENERAL ITEMS

- G1. Alignment types (As-Constructed, Construction, or Survey) of existing alignments are determined by their historic origin and are provided by the surveyor. The description of the proposed alignments are developed by the designer.
- G2. Annotation of alignments are as follows: ROADWAY + LEGAL or NON-LEGAL + ALI.
Use a sequential letter designation that coincides with the alignment key where there are recurring alignments. Example alignment annotations are as follows:

M-3 LEGAL ALI
M-3 NON-LEGAL ALI
M-3 NON-LEGAL (A) ALI
M-3 NON-LEGAL (B) ALI

- G3. Alignment definitions/descriptions provided in the Alignment Key must include the following:

- Retraced Alignments (provided with survey deliverables):
 - Route Name
 - Origin Name, Origin Year and Origin Job Number
 - "as retraced for" Job Number
 - Year of retracement
- Proposed Construction Alignments (developed by the designer):
 - "Construction"
 - "Alignment for" + Job Number
 - Description of what the alignment is for and/or how it was produced

FINAL ROW PLAN REVISIONS SUBMITTAL DATE:									NO SCALE	PLAN GUIDELINES	DATE: 11/20/20	CS: 55555, (55556, 55557)	Plan Guidelines - Sample Plans		DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION			SAMPLE PLANS	DESIGN UNIT:IDS	JN: 123456	ALIGNMENT		M-123	SECT 1
										FILE: Plan Guidelines - Align_ROW.dgn	TSC: ENGINEERING SUPPORT	234567			ALI	
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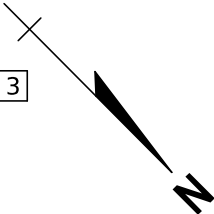
ALIGNMENT KEY

NB I-75 LEGAL ALI: NB I-75 LEGAL ALIGNMENT AS SURVEYED IN 2014 FOR JN 115832 BY WADE TRIM
HOLLY ROAD LEGAL ALI: HOLLY ROAD LEGAL ALIGNMENT AS SURVEYED IN 2014 FOR JN 115832 BY WADE TRIM
HOLLY ROAD NON-LEGAL ALI: HOLLY ROAD CONSTRUCTION ALIGNMENT AS PROPOSED FOR JN 115832
HOLLY ROAD RAMP B NON-LEGAL ALI: HOLLY ROAD RAMP B CONSTRUCTION ALIGNMENT AS PROPOSED FOR JN 115832
HOLLY ROAD RAMP C NON-LEGAL ALI: HOLLY ROAD RAMP C CONSTRUCTION ALIGNMENT AS PROPOSED FOR JN 115832
HOLLY ROAD RAMP F NON-LEGAL ALI: HOLLY ROAD RAMP F CONSTRUCTION ALIGNMENT AS PROPOSED FOR JN 115832
RAMP B NORTH DITCH ALI: HOLLY ROAD RAMP B DITCH CONSTRUCTION ALIGNMENT AS PROPOSED FOR JN 115832
RAMP B SOUTH DITCH ALI: HOLLY ROAD RAMP B DITCH CONSTRUCTION ALIGNMENT AS PROPOSED FOR JN 115832
RETAINING WALL NON-LEGAL ALI: CONSTRUCTION ALIGNMENT AS PROPOSED FOR JN 115832

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SECTION 27
T6N, R7E
GRAND BLANC TOWNSHIP

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CS 25131
JOB NUMBER 115832

POB STA 951+00
CS BMP 2.216
PR 1497804
PR BMP 2.216

18

2
NB I-75
LEGAL ALI

9

HOLLY ROAD RAMP B
NON-LEGAL ALI

24

NB I-75

RAMP B

1
NB I-75

5

EX 197' LA ROW

EX 103' LA ROW

11

POT 100+00 HOLLY ROAD RAMP B NON-LEGAL ALI =
STA 951+43.81 NB I-75 LEGAL ALI, 12' RT
N = 508683.67, E = 13321041.98

14

16

467.38'
N45°12'26"W

14

POT = 946+93.26 NB I-75 LEGAL ALI
N = 508357.72, E = 13321353.26

5

5

+67.38

177.85'

N2°11'48"W

157.78'

S88°27'45"W

111.64'

SEC 1/4

130.67'

N42°58'23"W

297.31'

N29°26'35"W

246.45'

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2653.32'

N2°11'5"W

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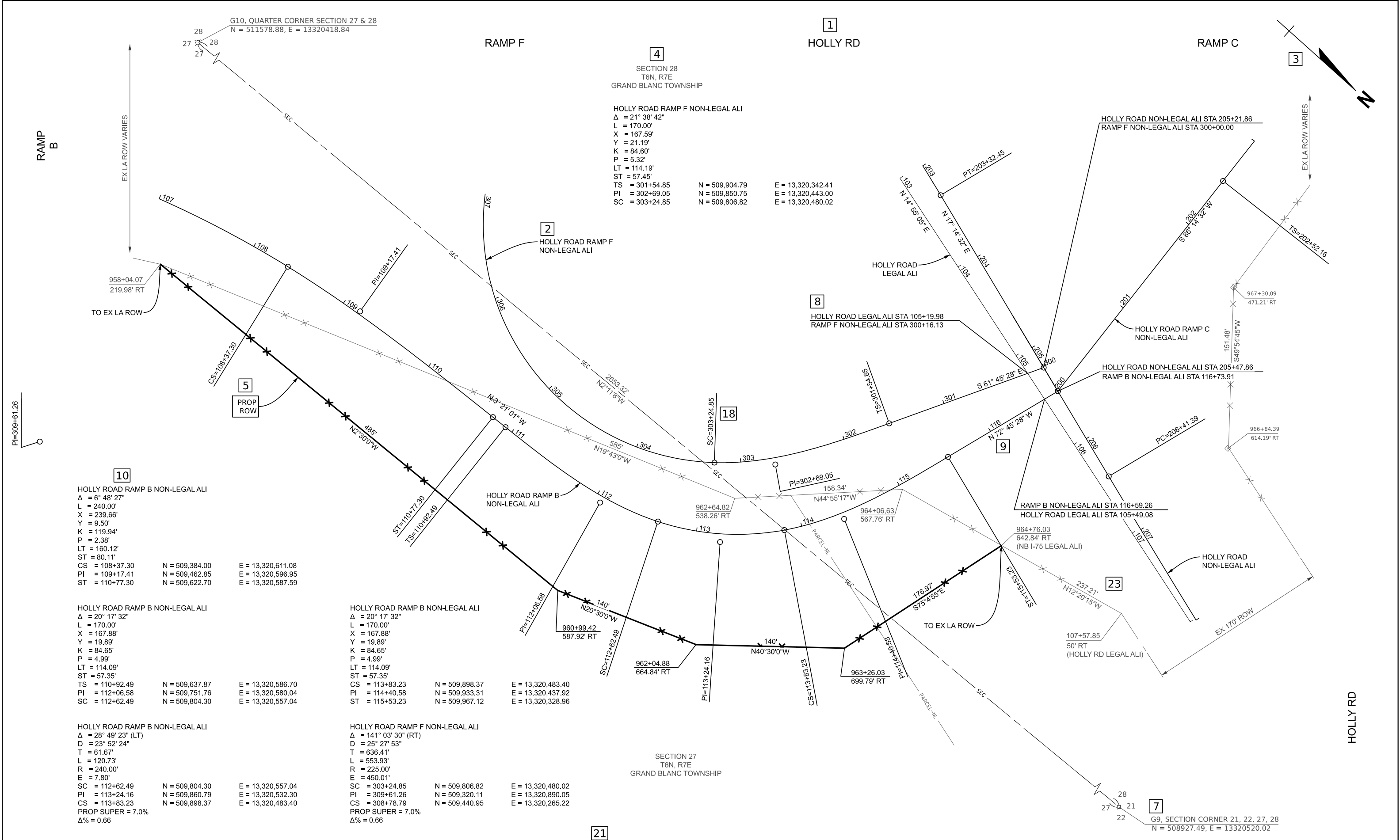
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FINAL ROW PLAN REVISIONS						SUBMITTAL DATE:		 Michigan Department of Transportation	PLAN GUIDELINES		DATE: 11/20/20	CS: 55555	ALIGNMENT		DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION		SAMPLE PLANS	DESIGN UNIT:IDS		JN: 123456	RAMP B STA 107+00 TO STA 117+00		RAMP B	SECT 1
									FILE: 115832_RampB_107Ali.dgn	TSC: ENGINEERING SUPPORT		234567			ALI	
															1	

A diagram showing a line with a point labeled 3 and a ray labeled z. The line is horizontal, and the ray is a line segment starting from a point on the line and extending upwards and to the right. The point is labeled with the number 3 inside a small square. The ray is labeled with the letter z at its endpoint.



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FINAL ROW PLAN REVISIONS								SUBMITTAL DATE:		 		PLAN GUIDELINES		DATE: 11/20/20		CS: 55555		ALIGNMENT		DRAWING	SHEET				
NO.	DATE	AUTH	DESCRIPTION				NO.	DATE	AUTH			DESCRIPTION				SAMPLE PLANS		DESIGN UNIT:IDS		JN: 123456		US-2 STA 1016+00 TO STA 1028+00		US-2 ALI 1	SECT 1
																FILE: 126829_US2_1016.dgn		TSC: ENGINEERING SUPPORT		234567					