# NOVEMBER 2024

### ORDER OF SHEETS

Section No. Typical Sections and Details Section No. Estimate of Quantities Section No. Miscellaneous Quantities Right of Way Pla

Plan and Profile Section No. Section No. Standard Detail Drawings Section No.

TOTAL SHEETS =

# **STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION**

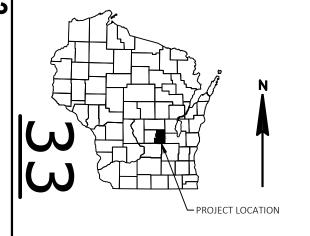
PLAN OF PROPOSED IMPROVEMENT

# STH 33 - STH 44

CTH AW TO CTH I

CTH A **GREEN LAKE** 

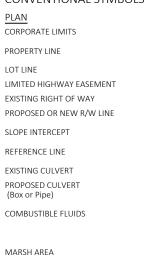
STATE PROJECT NUMBER 6536-03-73



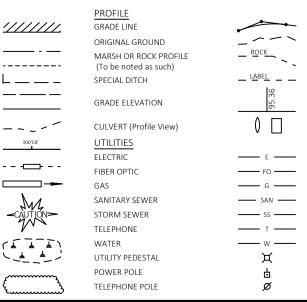
# DESIGN DESIGNATION 6536-03-03

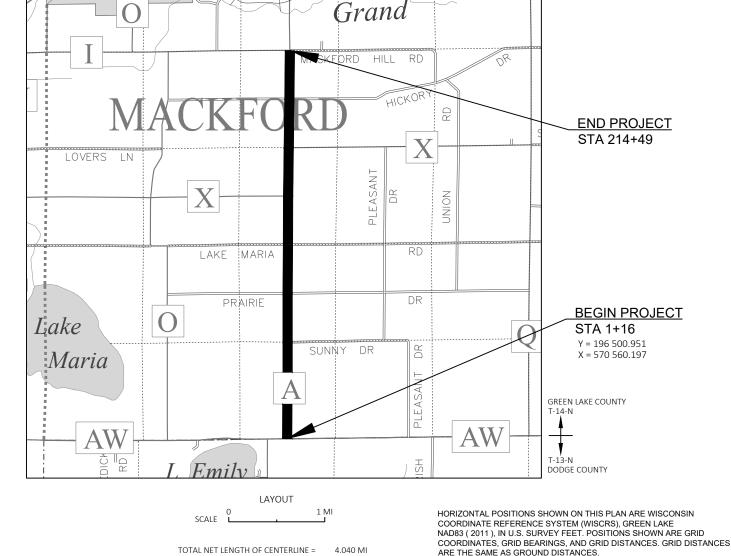
AADT 2025 = 1900 A.A.D.T. 2045 = 2116 = 271 D.H.V. D.D. = 62/38 = 7.7% DESIGN SPEED = 60 MPH = 340,000

### CONVENTIONAL SYMBOLS



WOODED OR SHRUB AREA





FEDERAL PROJECT STATE PROJECT CONTRACT PROJECT 6536-03-73 WISC 2025053

ACCEPTED FOR

GREEN LAKE COUNTY

7/22/2024 Derek Mashuda

ORIGINAL PLANS PREPARED BY

# **WESTBROOK**

619 EAST HOXIE STREET P.O. BOX 429 SPRING GREEN, WISCONSIN 53588 PHONE (608) 588-7866 FAX (608) 588-7954



## STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor Designer Project Manage WESTBROOK ASSOCIATED ENGINEERS, INC

FILE NAME: G:\00-PROJECT FILES\2022\22237 CTH A, GREEN LAKE CO\0-CAD\SHEETS\010101\_TI.DWG

PLOT DATE :

7/11/2024 9:06 AM

GAVIN WIPPERFURTH

ELEVATIONS ARE BASED ON GEOID 18.

ELEVATIONS ARE REFERENCED TO NAVD 88 ( 2012 ). GPS DERIVED

**GENERAL NOTES** 

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT

CONTRACTOR WILL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY OPERATIONS, OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS.

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LBS/SY/IN.

APPLY TACK COAT AT A RATE OF 0.07 GAL/SY TO MILLED SURFACES AND CIR SURFACES AND 0.05 GAL/SY BETWEEN LAYERS OF HMA PAVEMENT.

EXISTING RIGHT OF WAY AS SHOWN IS APPROXIMATE.

WHEN THE QUANTITY OF THE ITEMS OF BASE AGGREGATE, SUBBASE OR HMA PAVEMENT IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE LAYERS SHOWN ON THE PLAN IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

THE LIMITS OF PAVEMENT REMOVAL ON SIDE STREETS ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD BY THE ENGINEER.

REMOVAL OF ASPHALTIC SURFACES WHERE AN ABUTTING ASPHALTIC SURFACE IS TO REMAIN IN PLACE SHALL REQUIRE A VERTICAL SAWCUT MEETING THE APPROVAL OF THE ENGINEER IN THE FIELD.

THE PROPOSED SHOULDER WIDTH SHOWN IN THE TYPICAL SECTIONS ARE MINIMUM WIDTH. PERPETUATE EXISTING SHOULDERS THAT ARE WIDER THAN WHAT IS SHOWN IN THE TYPICAL SECTIONS.

THE CONTRACTOR'S PAVING OPERATION SHALL BE CONSISTENT WITH THE TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, PASSING, OR PARKING LANE.

THE EXACT LOCATIONS AND LIMITS OF PRIVATE, COMMERCIAL, AND FIELD ENTRANCES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

ACCESS TO DRIVEWAYS SHALL BE RE-ESTABLISHED IMMEDIATELY AFTER OPERATIONS ARE COMPLETED.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, ALL SIGNS RELATING TO THIS OPERATION SHALL BE COVERED OR REMOVED AND FACILITY RESTORED TO NORMAL OPERATIONS

DO NOT DRIVE OR STORE EQUIPMENT, OR STORE CONSTRUCTION MATERIALS IN ENVIRONMENTALLY SENSITIVE AREAS, WETLANDS OR WATERWAYS.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

#### **UTILITIES CONTACTS**

BRIGHTSPEED

COMMUNICATIONS SCOTT HEINZELMAN 144 N PEARL ST BERLIN, WI 54923 PHONE: (608) 716-5964

EMAIL: SCOTT.HEINZELMAN@BRIGHTSPEED.COM

ALLIANT ENERGY CODY JACKSON 506 FENTON ST RIPON, WI 54971

> PHONE: (920) 748-4013 EMAIL: CODYJACKSON@ALLIANTENERGY.COM



#### STANDARD ABBREVIATIONS

| ABUT       | ABUTMENT                     | EXC       | EXCAVATION                     | PSI       | POUNDS PER SQUARE INCH         |
|------------|------------------------------|-----------|--------------------------------|-----------|--------------------------------|
| AC         | ACRE                         | EBS       | EXCAVATION BELOW SUBGRADE      | PE        | PRIVATE ENTRANCE               |
| AGG        | AGGREGATE                    | EXIST     | EXISTING                       | PROJ      | PROJECT                        |
| AH         | AHEAD                        | FERT      | FERTILIZER                     | PL        | PROPERTY LINE                  |
| _          | ANGLE                        | FE        | FIELD ENTRANCE                 | PRW       | PROPOSED RIGHT OF WAY          |
| AADT       | ANNUAL AVERAGE DAILY TRAFFIC | FL OR F/L | FLOW LINE                      | R         | RADIUS                         |
| AEW        | APRON ENDWALL                | FT        | FOOT                           | RL OR R/L | REFERENCE LINE                 |
| ASPH       | ASPHALTIC                    | FTMS      | FREE TRAFFIC MANAGEMENT SYSTEM | REQD      | REQUIRED                       |
| BK         | BACK                         | HES       | HIGH EARLY STRENGTH            | RT        | RIGHT                          |
| BC         | BACK OF CURB                 | HE        | HIGHWAY EASEMENT               | RHF       | RIGHT HAND FORWARD             |
| BAD        | BASE AGGREGATE DENSE         | CWT       | HUNDRED WEIGHT                 | R/W       | RIGHT OF WAY                   |
| BL OR B/L  | BASE LINE                    | IN DIA    | INCH DIAMETER                  | RD        | ROAD                           |
| BM         | BENCH MARK                   | INL       | INLET                          | RDWY      | ROADWAY                        |
| СВ         | CATCH BASIN                  | ID        | INSIDE DIAMETER                | SHLDR     | SHOULDER                       |
| CL OR C/L  | CENTER LINE                  | INTERS    | INTERSECTION                   | SW        | SIDEWALK                       |
| Δ          | CENTRAL ANGLE OR DELTA       | IH        | INTERSTATE HIGHWAY             | SB        | SOUTHBOUND                     |
| CE         | COMMERCIAL ENTRANCE          | INV       | INVERT                         | SPECS     | SPECIFICATIONS                 |
| CONC       | CONCRETE                     | JT        | JOINT                          | SF        | SQUARE FEET                    |
| CSW        | CONCRETE SIDEWALK            | LT        | LEFT                           | SY        | SQUARE YARD                    |
| CONST      | CONSTRUCTION                 | LHF       | LEFT HAND FORWARD              | SDD       | STANDARD DETAIL DRAWINGS       |
| CP         | CONTROL POINT                | L         | LENGTH OF CURVE                | STH       | STATE TRUNK HIGHWAY            |
| CO         | COUNTY                       | LF        | LINEAR FOOT                    | STA       | STATION                        |
| CTH        | COUNTY TRUCK HIGHWAY         | LC        | LONG CHORD OF CURVE            | SE        | SUPERELEVATION                 |
| CY         | CUBIC YARD                   | LS        | LUMP SUM                       | SL OR S/L | SURVEY LINE                    |
| CP         | CULVERT PIPE                 | MGAL      | ONE THOUSAND GALLONS           | TEMP      | TEMPORARY                      |
| C & G      | CURB AND GUTTER              | MH        | MANHOLE                        | TI        | TEMPORARY INTEREST             |
| D          | DEGREE OF CURVE              | ML OR M/L | MATCH LINE                     | TLE       | TEMPORARY LIMITED EASEMENT     |
| DHV        | DESIGN HOUR VOLUME           | NOM       | NOMINAL                        | TC        | TOP OF CURB                    |
| DIA        | DIAMETER                     | NC        | NORMAL CROWN                   | TL OR T/L | TRANSIT LINE                   |
| DD         | DIRECTIONAL DISTRIBUTION     | NB        | NORTHBOUND                     | Т         | TRUCKS (PERCENT OF)            |
| DE         | DRAINAGE EASEMENT            | NO        | NUMBER                         | TYP       | TYPICAL                        |
| DWY        | DRIVEWAY                     | OD        | OUTSIDE DIAMETER               | USH       | UNITED STATES HIGHWAY          |
| EA         | EACH                         | PAVT      | PAVEMENT                       | VAR       | VARIABLE                       |
| EB         | EASTBOUND                    | PLE       | PERMANENT LIMITED EASEMENT     | VC        | VERTICAL CURVE                 |
| EL OR ELEV | / ELEVATION                  | PC        | POINT OF CURVATURE             | VPC       | VERTICAL POINT OF CURVATURE    |
| EMB        | EMBANKMENT                   | PI        | POINT OF INTERSECTION          | VPI       | VERTICAL POINT OF INTERSECTION |
| EW         | ENDWALL                      | PT        | POINT OF TANGENCY              | VPT       | VERTICAL POINT OF TANGENCY     |
| EAT        | ENERGY ABSORBING TERMINAL    | PCC       | PORTLAND CEMENT CONCRETE       | W         | WEST                           |
| ESALS      | EQUIVALENT SINGLE AXLE LOADS | LB        | POUND                          | WB        | WESTBOUND                      |

#### **RUNOFF COEFFICIENT TABLE**

|                                |       | HYDROLOGIC SOIL GROUP |           |                       |     |          |                       |     |          |                       |     |          |  |
|--------------------------------|-------|-----------------------|-----------|-----------------------|-----|----------|-----------------------|-----|----------|-----------------------|-----|----------|--|
|                                |       | А                     |           |                       | В   |          |                       | С   |          |                       | D   |          |  |
|                                | SLOPE | RANGE                 | (PERCENT) | SLOPE RANGE (PERCENT) |     |          | SLOPE RANGE (PERCENT) |     |          | SLOPE RANGE (PERCENT) |     |          |  |
| LAND USE:                      | 0-2   | 2-6                   | 6 & OVER  | 0-2                   | 2-6 | 6 & OVER | 0-2                   | 2-6 | 6 & OVER | 0-2                   | 2-6 | 6 & OVER |  |
| ROW CROPS:                     | .08   | .16                   | .22       | .12                   | .20 | .27      | .15                   | .24 | .33      | .19                   | .28 | .38      |  |
| NOW CROPS.                     | .22   | .30                   | .38       | .26                   | .34 | .44      | .30                   | .37 | .50      | .34                   | .41 | .56      |  |
| MEDIAN STRIPTURF:              | .19   | .20                   | .24       | .19                   | .22 | .26      | .20                   | .23 | .30      | .20                   | .25 | .30      |  |
| MEDIAN STRIPTORF.              | .24   | .26                   | .30       | .25                   | .28 | .33      | .26                   | .30 | .37      | .27                   | .32 | .40      |  |
| SIDE SLOPETURF:                |       |                       | .25       |                       |     | .27      |                       |     | .28      |                       |     | .30      |  |
| SIDE SLOPETURF:                |       |                       | .32       |                       |     | .34      |                       |     | .36      |                       |     | .38      |  |
| PAVEMENT:                      |       |                       |           |                       |     |          |                       |     |          |                       |     |          |  |
| ASPHALT:                       |       |                       |           |                       |     | .70 -    | 95                    |     |          |                       |     |          |  |
| CONCRETE:                      | .8095 |                       |           |                       |     |          |                       |     |          |                       |     |          |  |
| BRICK:                         | .7080 |                       |           |                       |     |          |                       |     |          |                       |     |          |  |
| DRIVES, WALKS:                 | .7585 |                       |           |                       |     |          |                       |     |          |                       |     |          |  |
| ROOFS:                         |       |                       |           |                       |     | .75 -    | 95                    |     |          |                       |     |          |  |
| GRAVEL ROADS, SHOULDERS: .4060 |       |                       |           |                       |     |          |                       |     |          |                       |     |          |  |

TOTAL PROJECT AREA = 49.13 ACRES TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.00 ACRES

LAYOUT NAME - 020101\_gn

**ORDER OF SECTION 2 DETAIL SHEETS** 

**GENERAL NOTES** PROJECT OVERVIEW TYPICAL SECTIONS CONSTRUCTION DETAILS PERMANENT SIGNING AND MARKING WISCONSIN DNR LIAISON

**DESIGN PROJECT MANAGER** 

JAY SCHIEFELBEIN JASON SCHAEFFER NORTH CENTRAL REGION NORTH CENTRAL REGION 2984 SHAWANO AVE 510 HANSON LAKE RD GREEN BAY, WI 54313 RHINELANDER, WI 54501 PHONE: (920) 360-3784 PHONE: (715) 421-7309

EMAIL: JEREMIAH.SCHIEFELBEIN@WISCONSIN.GOV EMAIL: JASON.SCHAEFFER@DOT.WI.GOV

**COUNTY HIGHWAY COMMISSIONER** 

AARON PALMER, P.E.

WESTBROOK ASSOCIATED ENGINEERS, INC.

619 E HOXIE ST SPRING GREEN, WI 53588 PHONE: (608) 588-7866

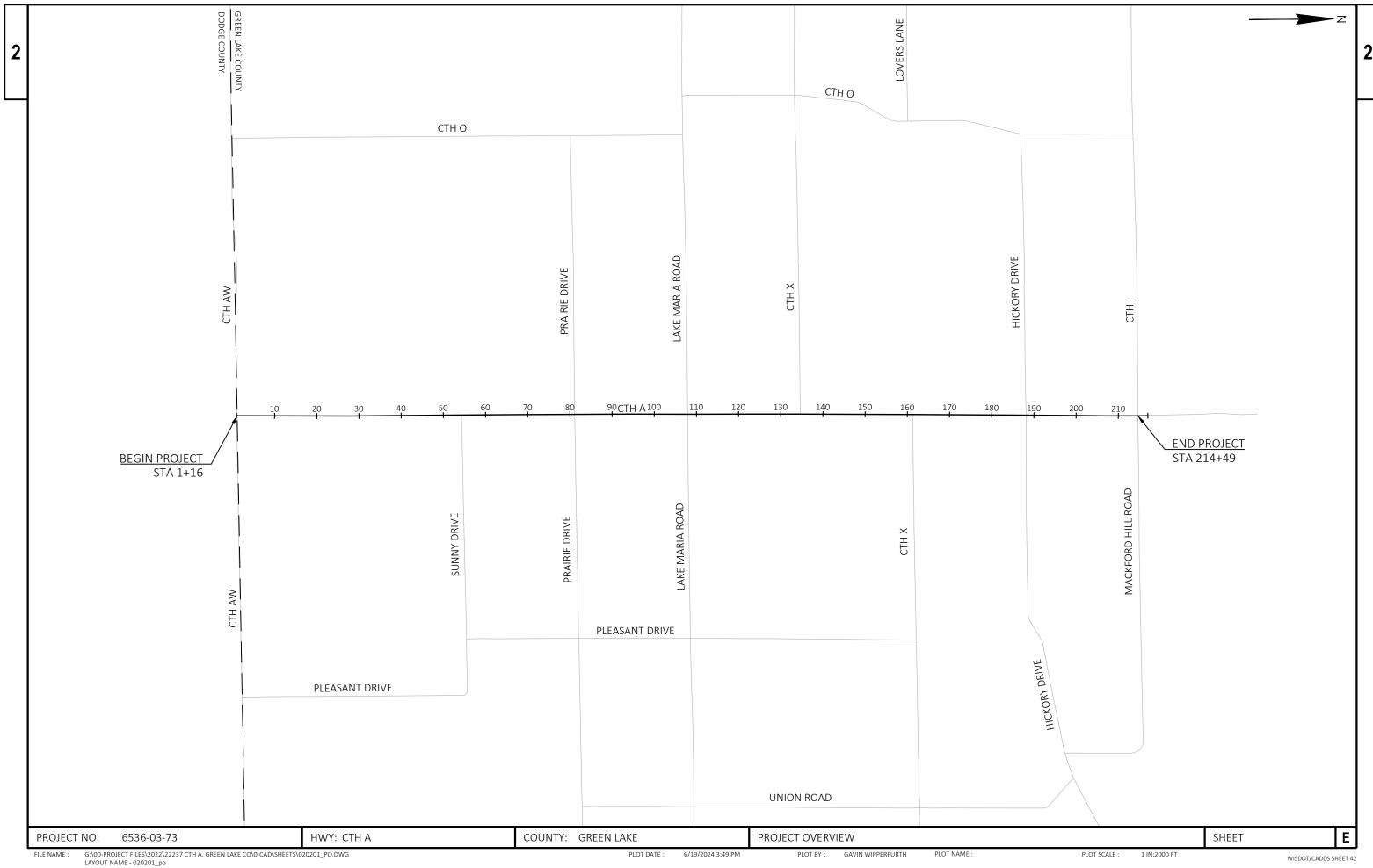
**DESIGN CONSULTANT** 

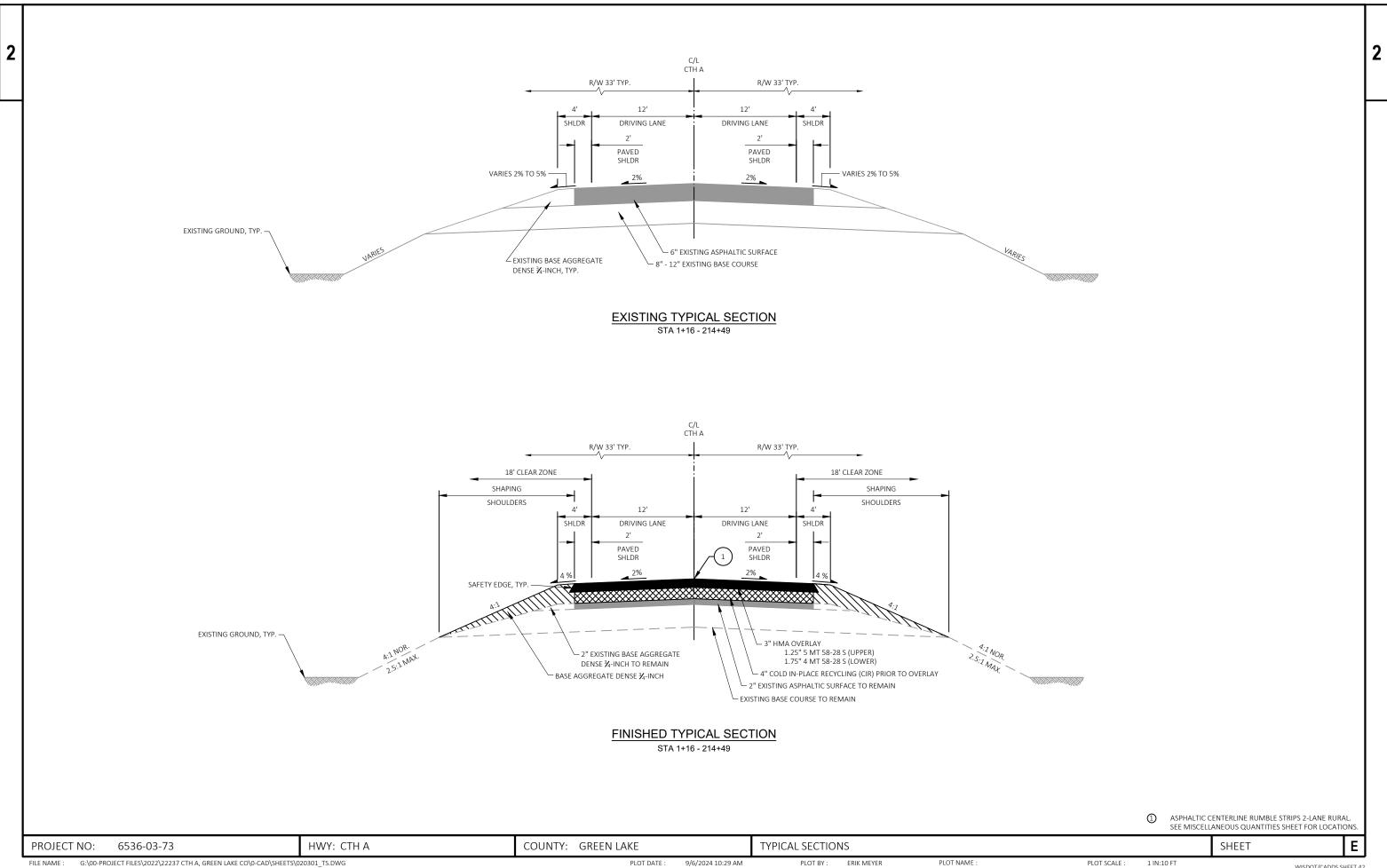
EMAIL: APALMER@WESTBROOKENG.COM

DEREK MASHUDA GREEN LAKE COUNTY 570 SOUTH ST GREEN LAKE, WI 54941 PHONE: (920) 294-4062

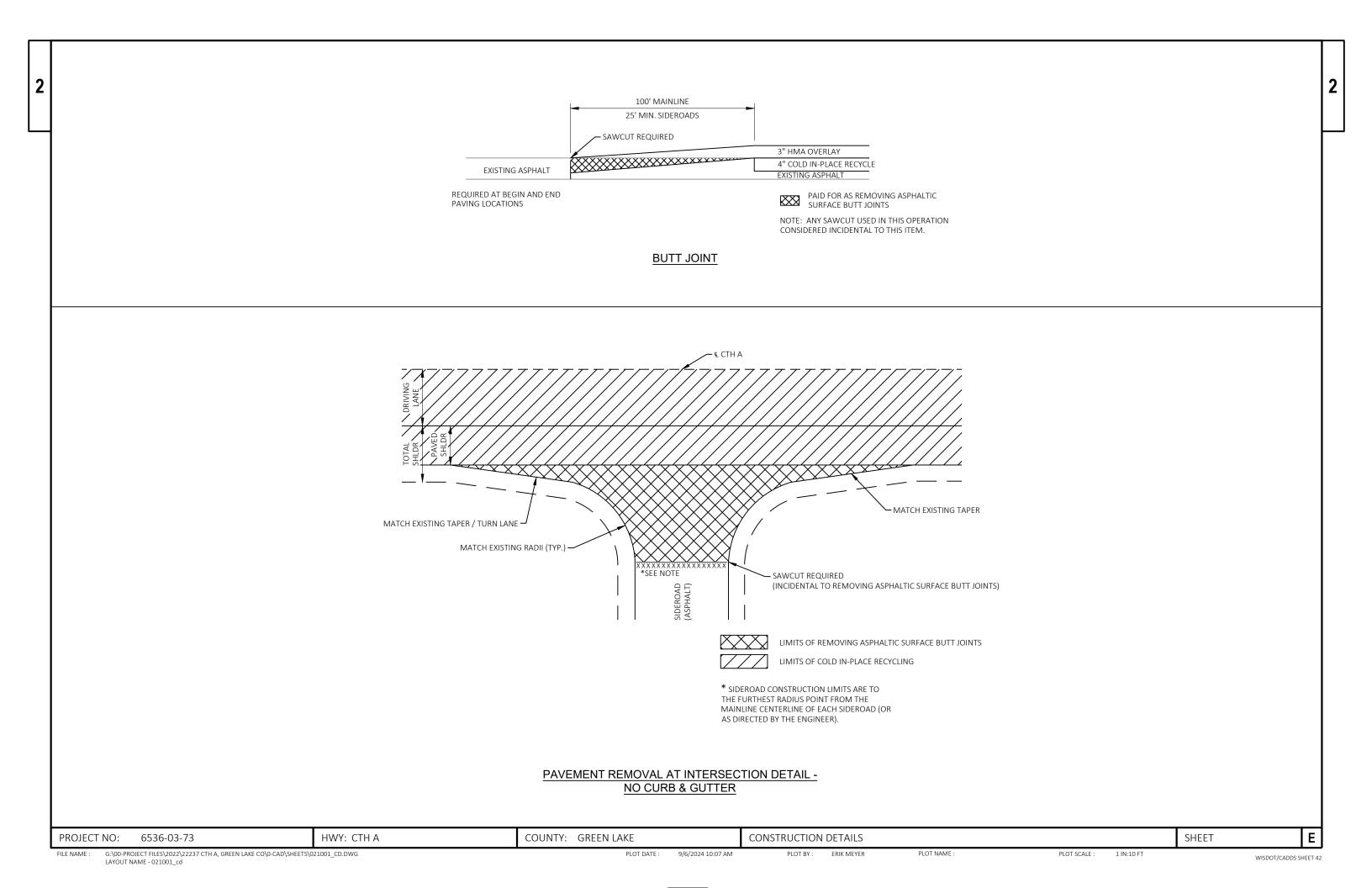
EMAIL: DMASHUDA@GREENLAKECOUNTYWI.GOV

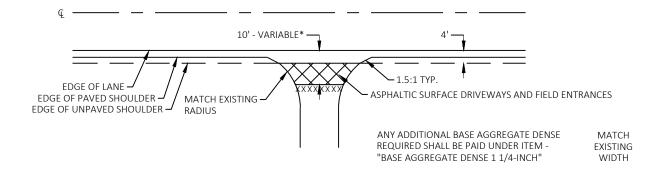
PROJECT NO: COUNTY: GREEN LAKE SHEET 6536-03-73 HWY: CTH A **GENERAL NOTES** G:\00-PROJECT FILES\2022\22237 CTH A, GREEN LAKE CO\0-CAD\SHEETS\020101 GN.DWG PLOT BY: ERIK MEYER PLOT NAME PLOT SCALE: FILE NAME : PLOT DATE: 9/9/2024 9:36 AM 1:1



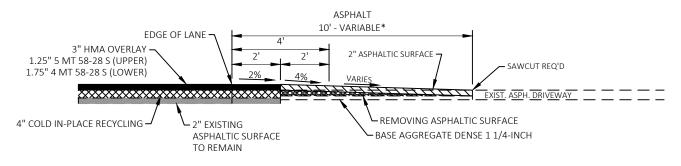


LAYOUT NAME - 020301\_ts





PLAN VIEW



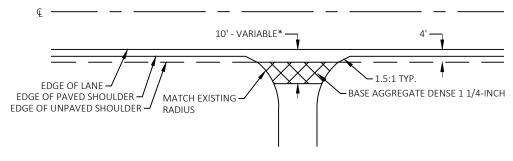
ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

COLD IN-PLACE RECYCLE

**ELEVATION VIEW** 

## ASPHALTIC DRIVEWAY DETAIL

\*EXACT DIMENSIONS TO BE DETERMINED BY ENGINEER IN THE FIELD

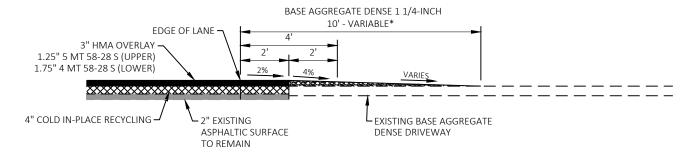


EXISTING WIDTH

MATCH

WISDOT/CADDS SHEET 42

PLAN VIEW



BASE AGGREGATE DENSE 1 1/4-INCH

COLD IN-PLACE RECYCLE

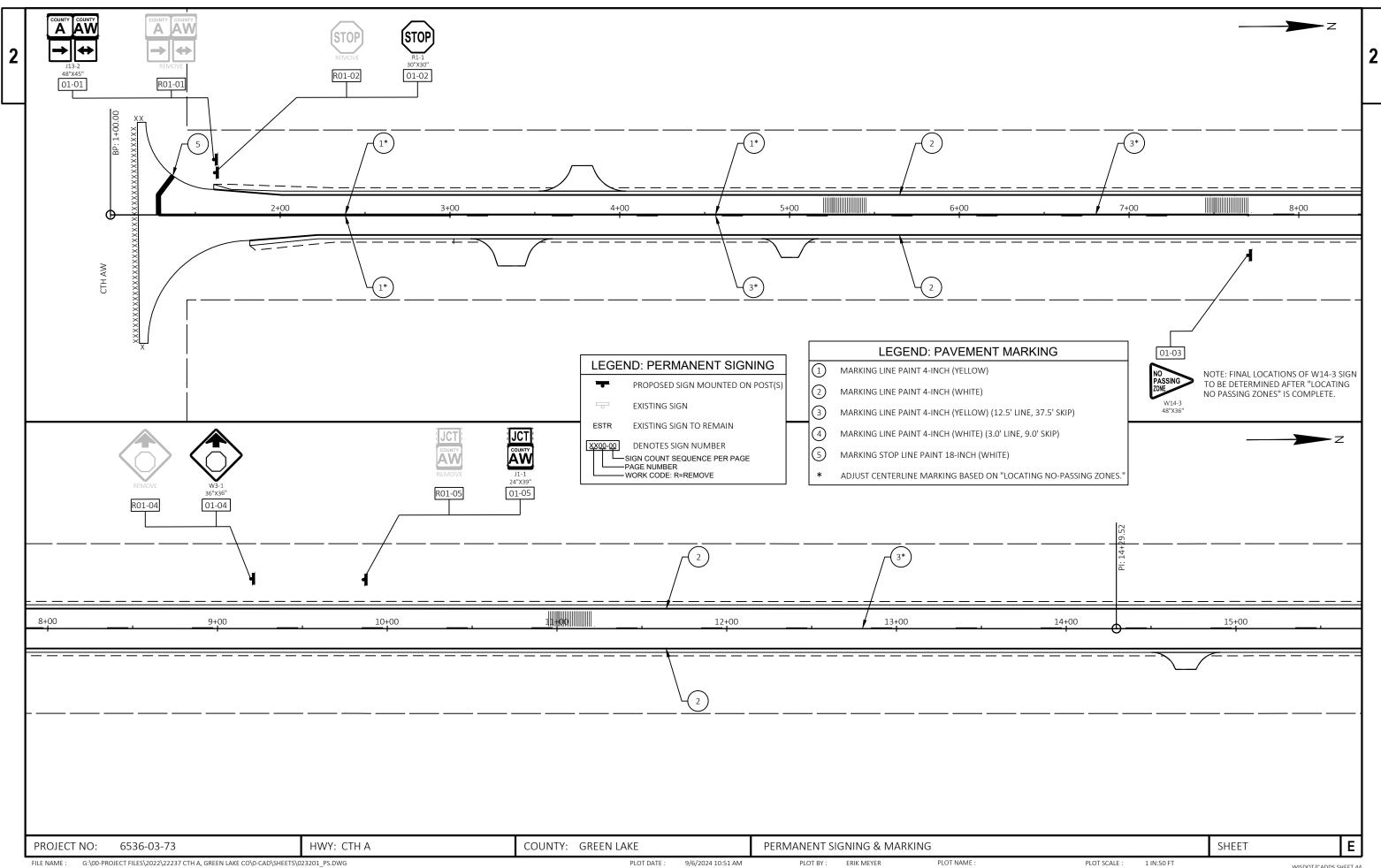
**ELEVATION VIEW** 

# BASE AGGREGATE DRIVEWAY DETAIL

\*EXACT DIMENSIONS TO BE DETERMINED BY ENGINEER IN THE FIELD

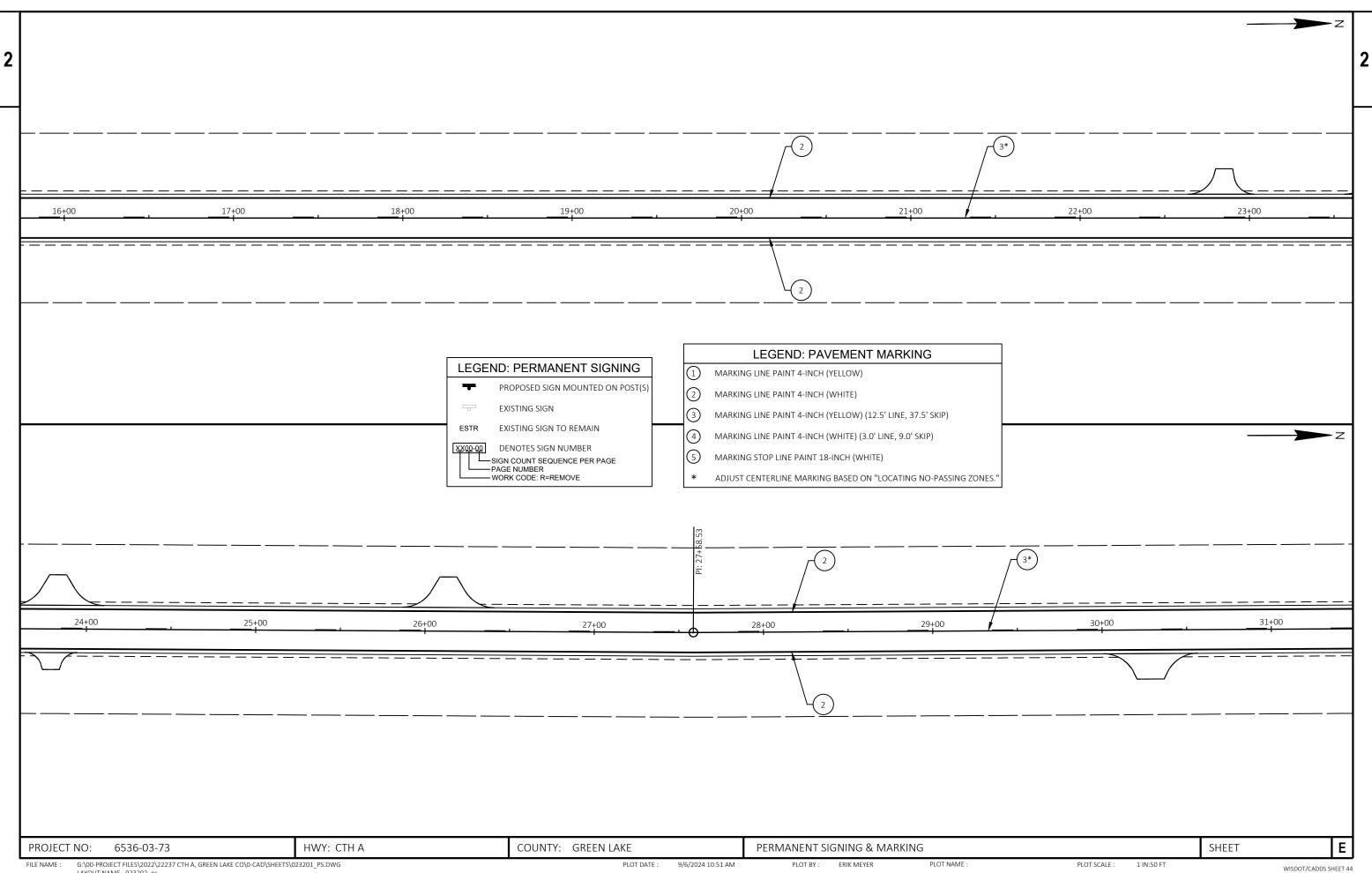
PROJECT NO: 6536-03-73 HWY: CTH A COUNTY: GREEN LAKE CONSTRUCTION DETAILS SHEET

G:\00-PROJECT FILES\2022\22237 CTH A, GREEN LAKE CO\0-CAD\SHEETS\021001\_CD.DWG ERIK MEYER PLOT NAME : PLOT DATE : 9/6/2024 10:07 AM PLOT BY: PLOT SCALE : 1 IN:10 FT LAYOUT NAME - 021002\_cd

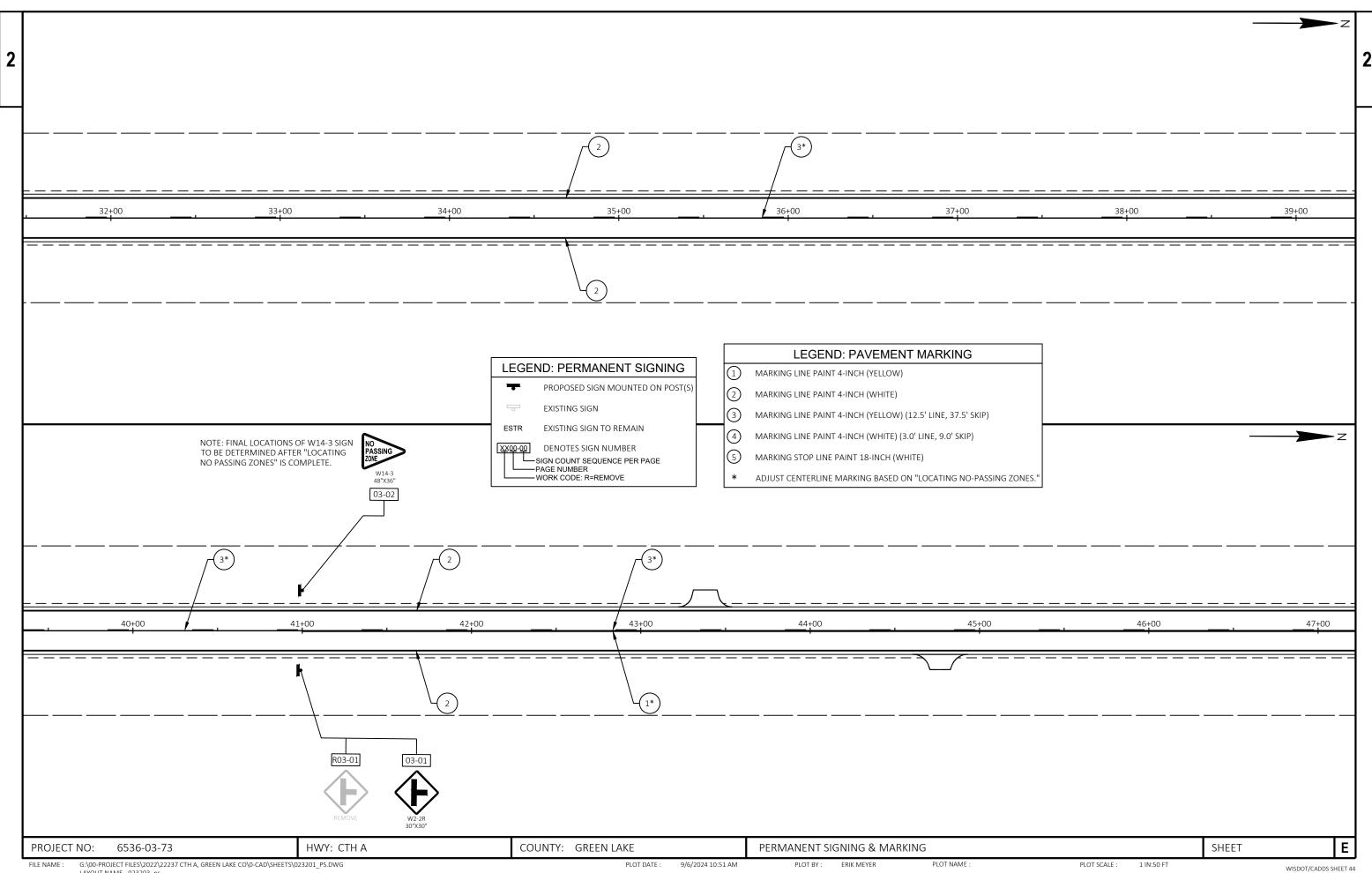


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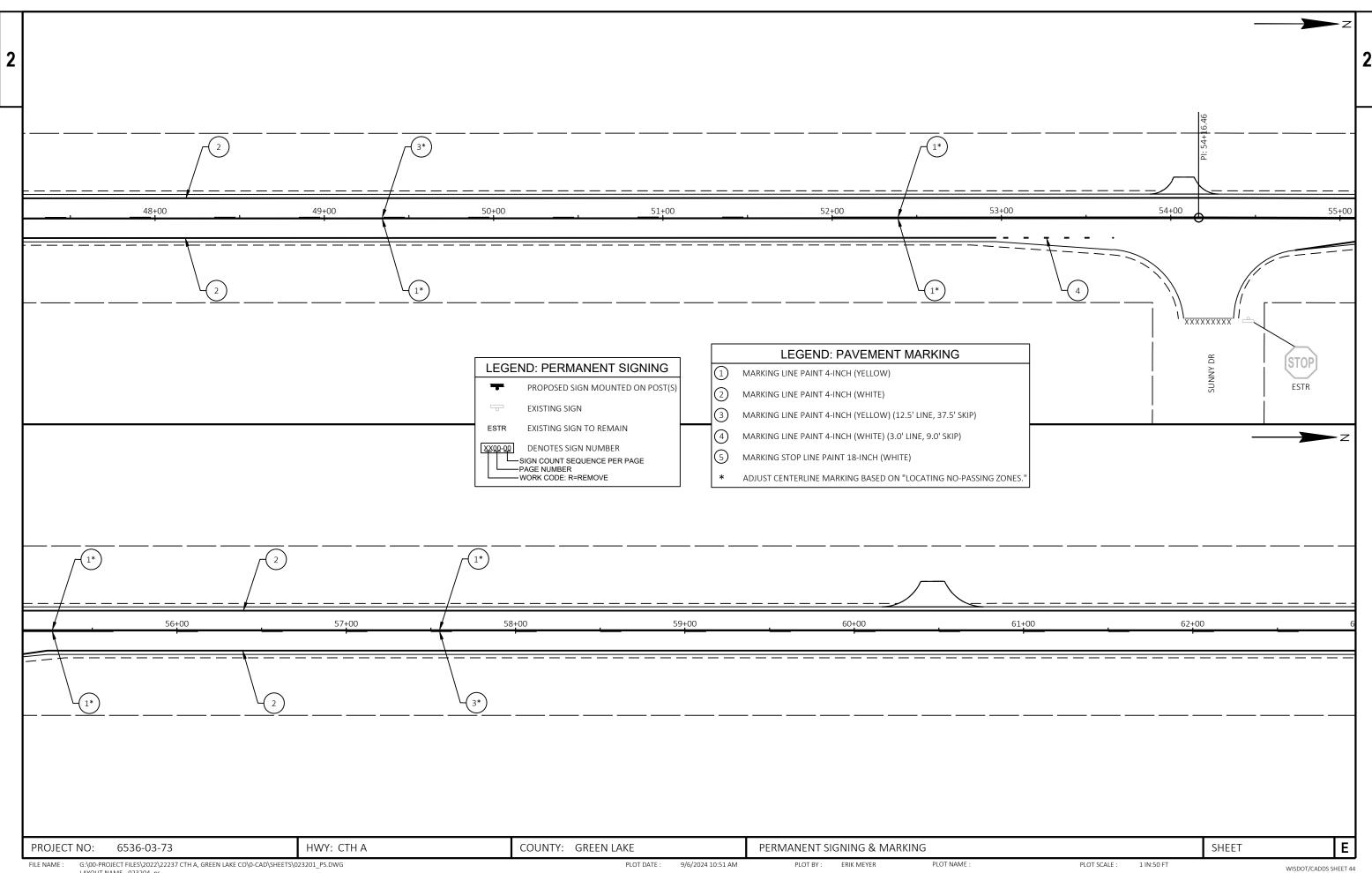
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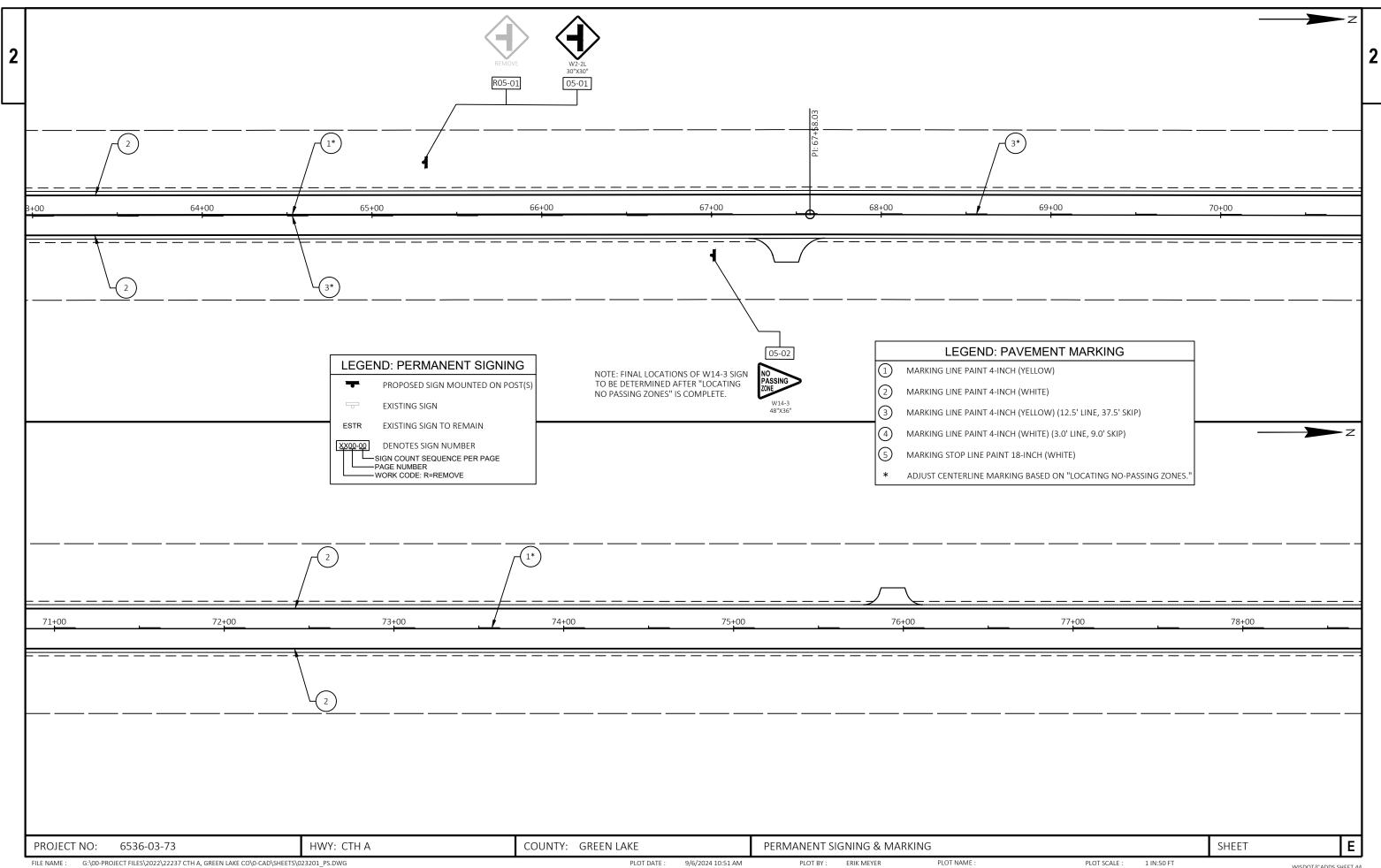
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LAYOUT NAME - 023203\_ps

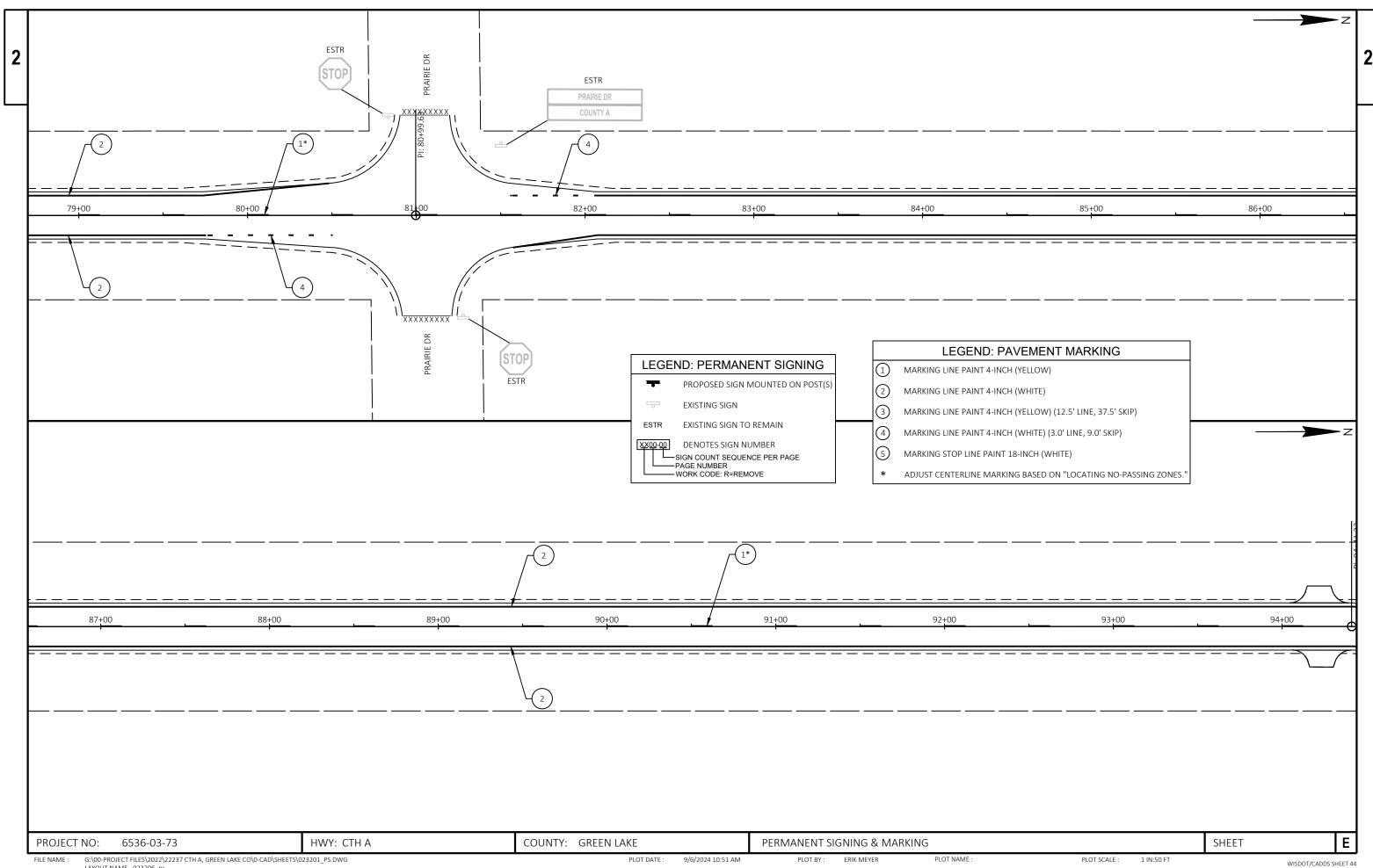


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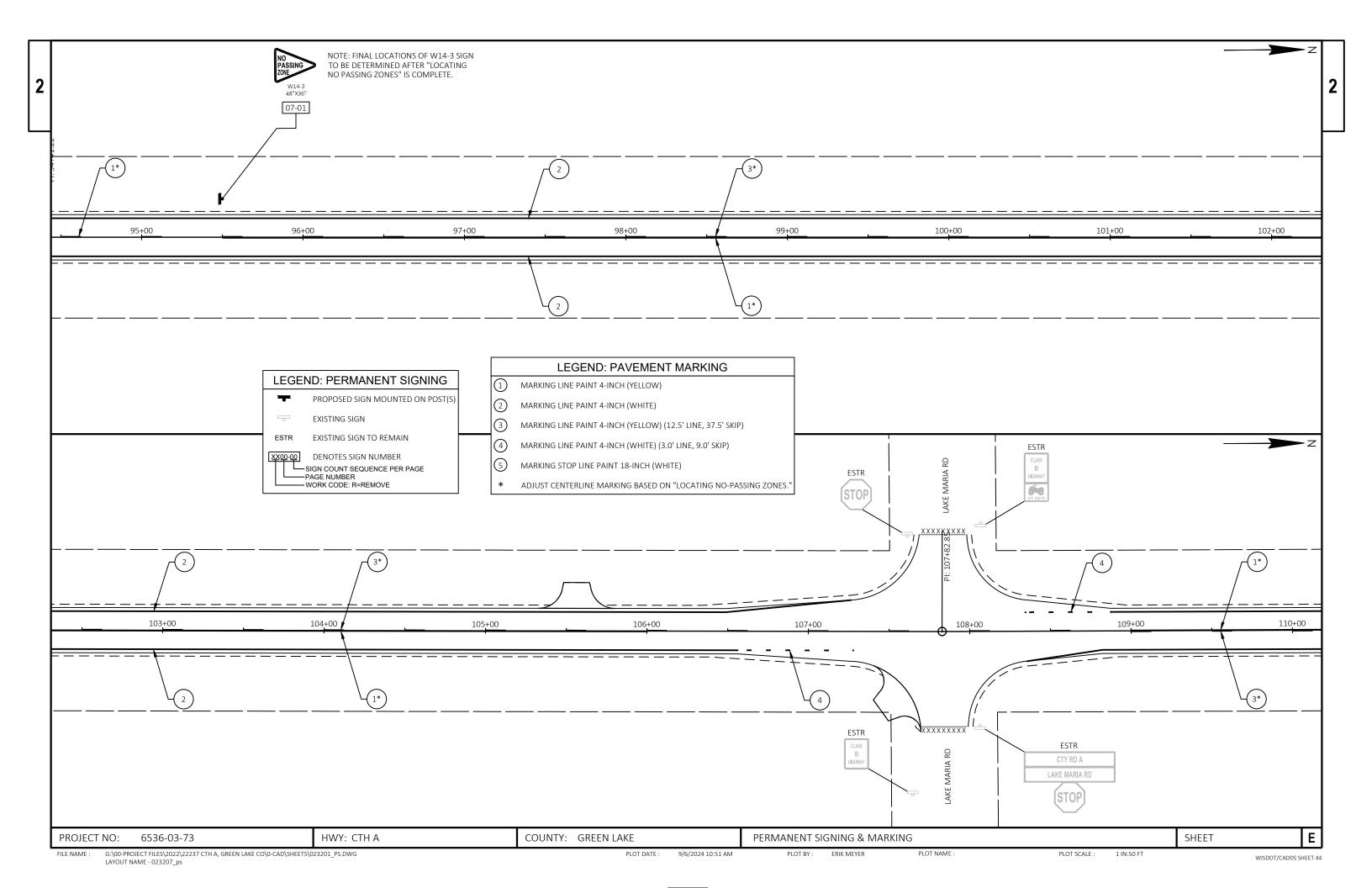


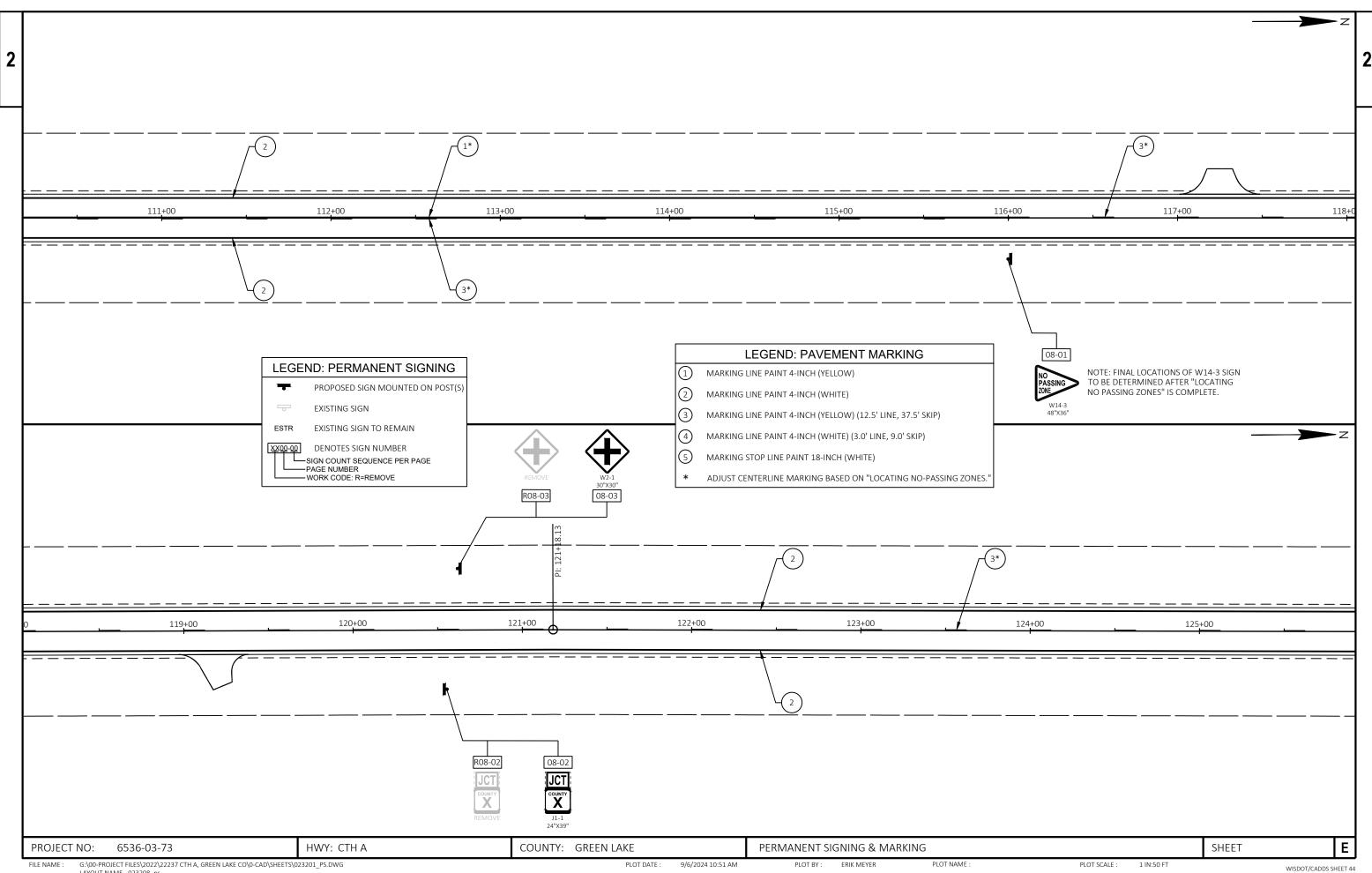
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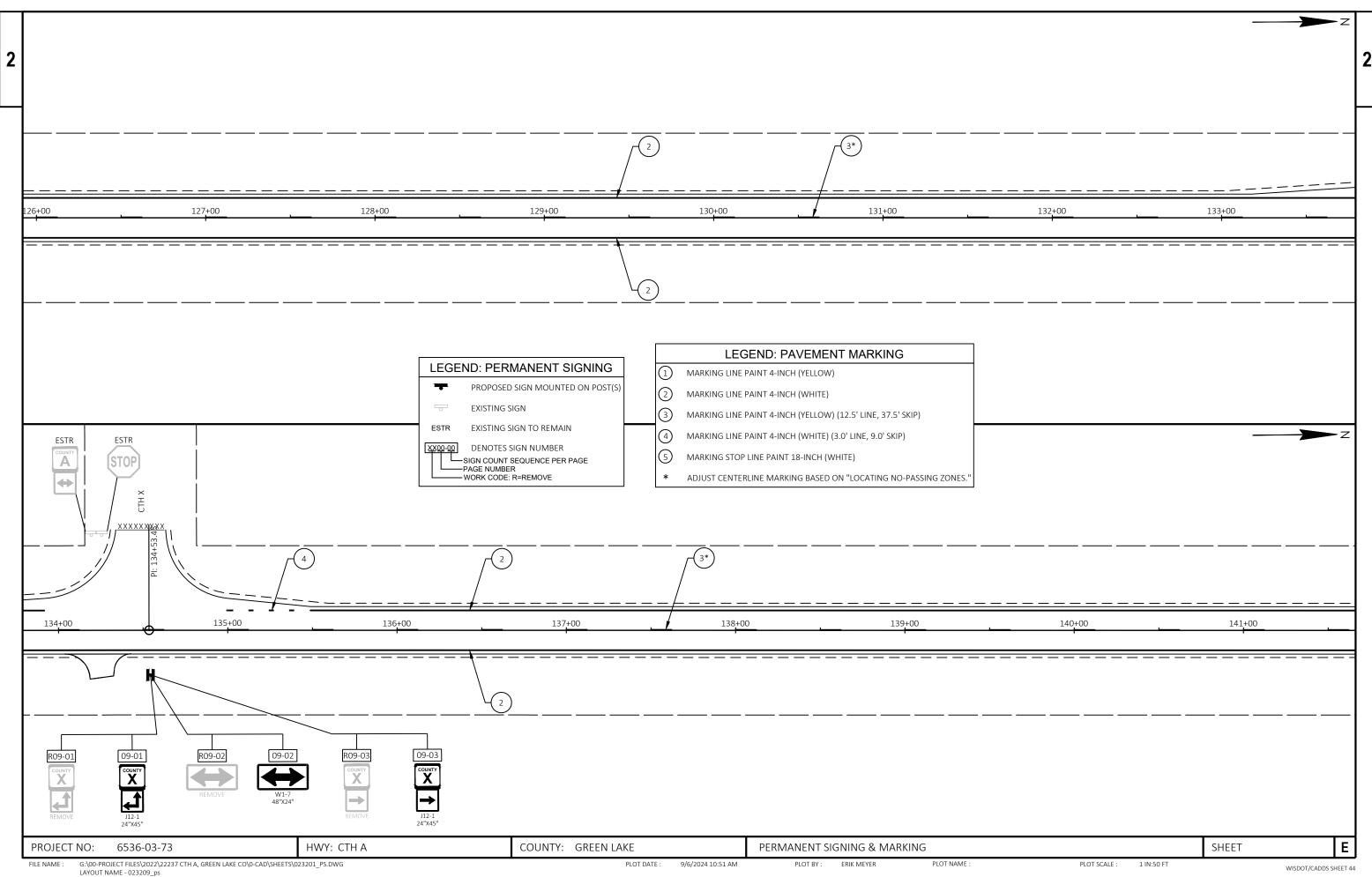


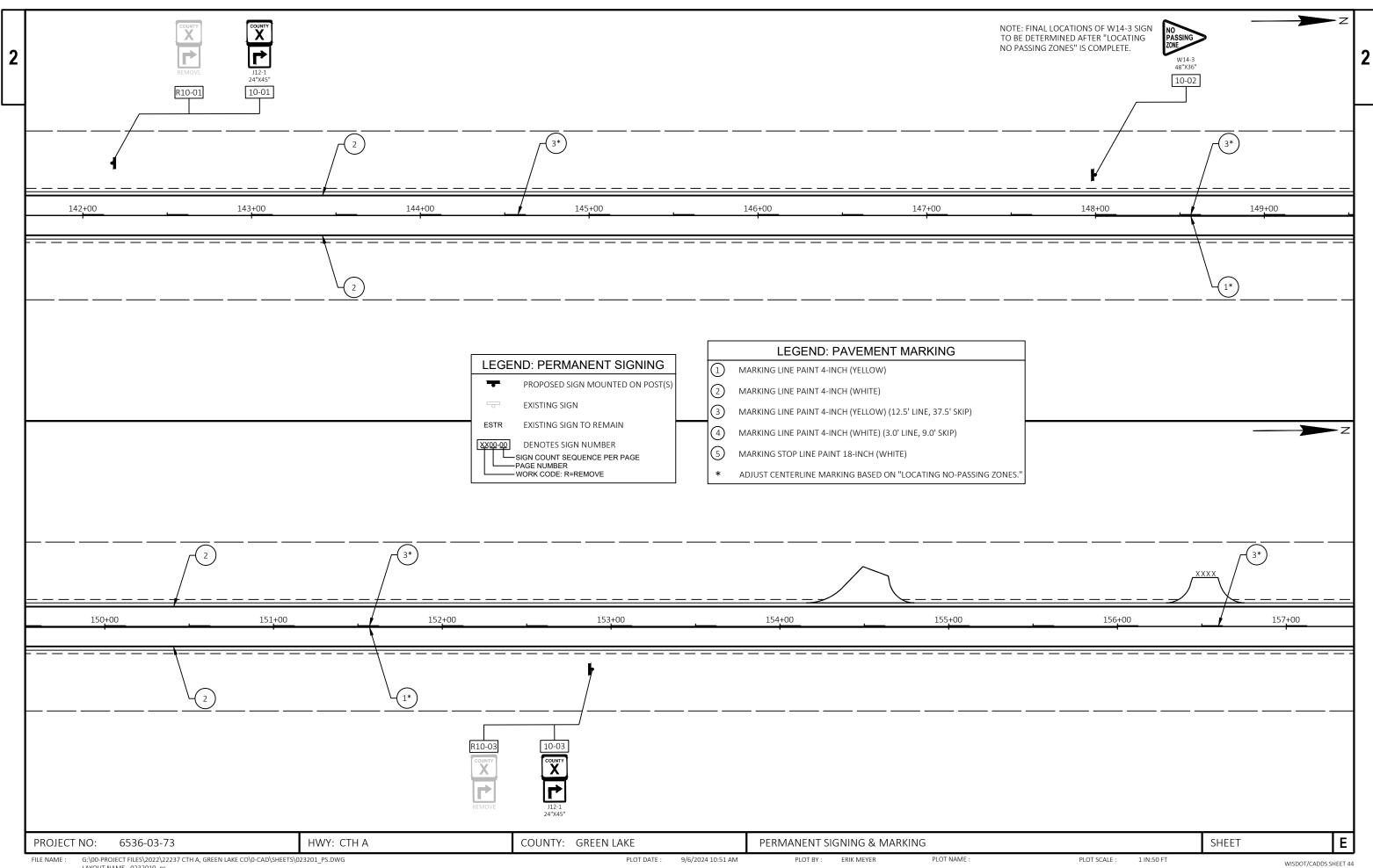
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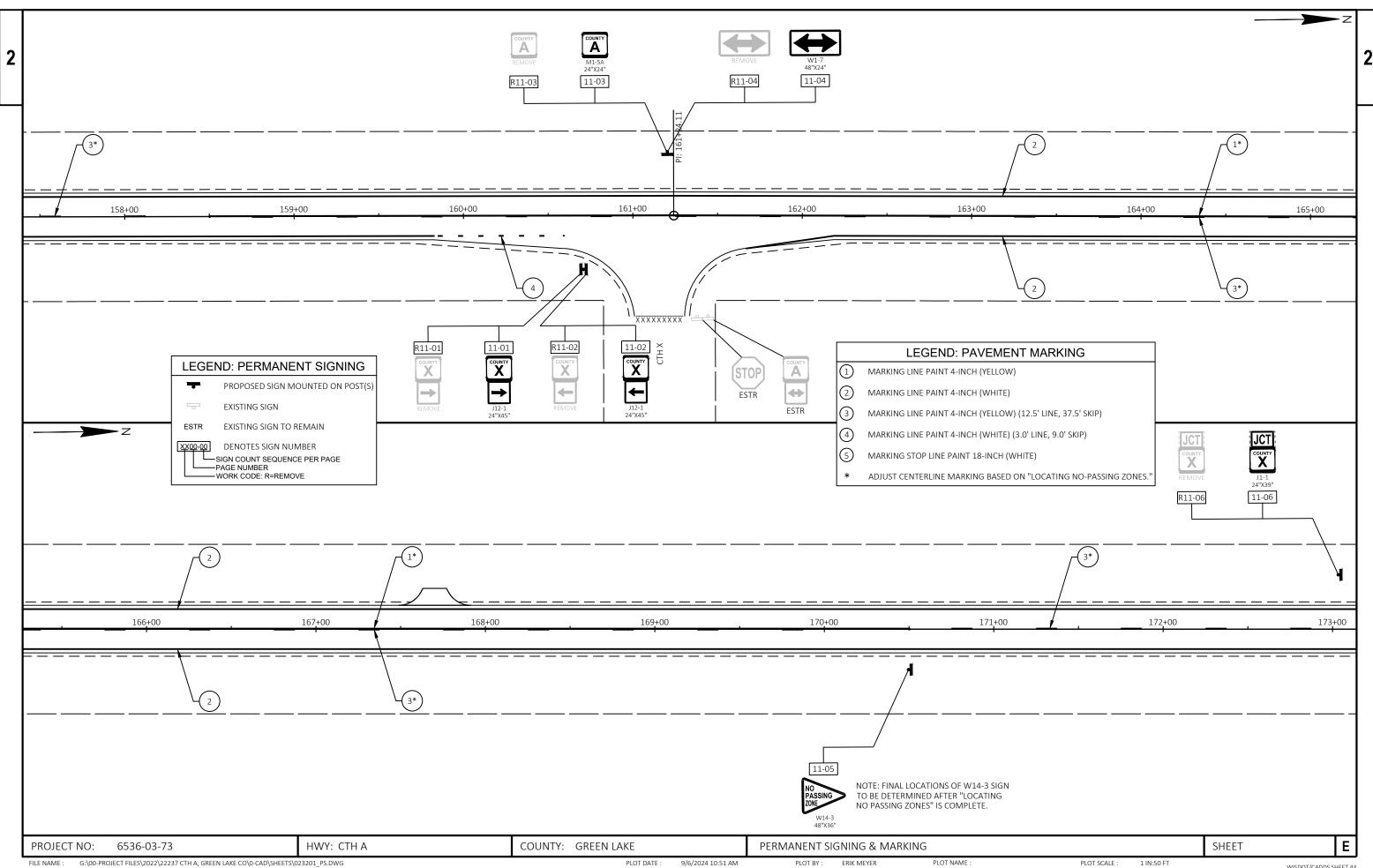
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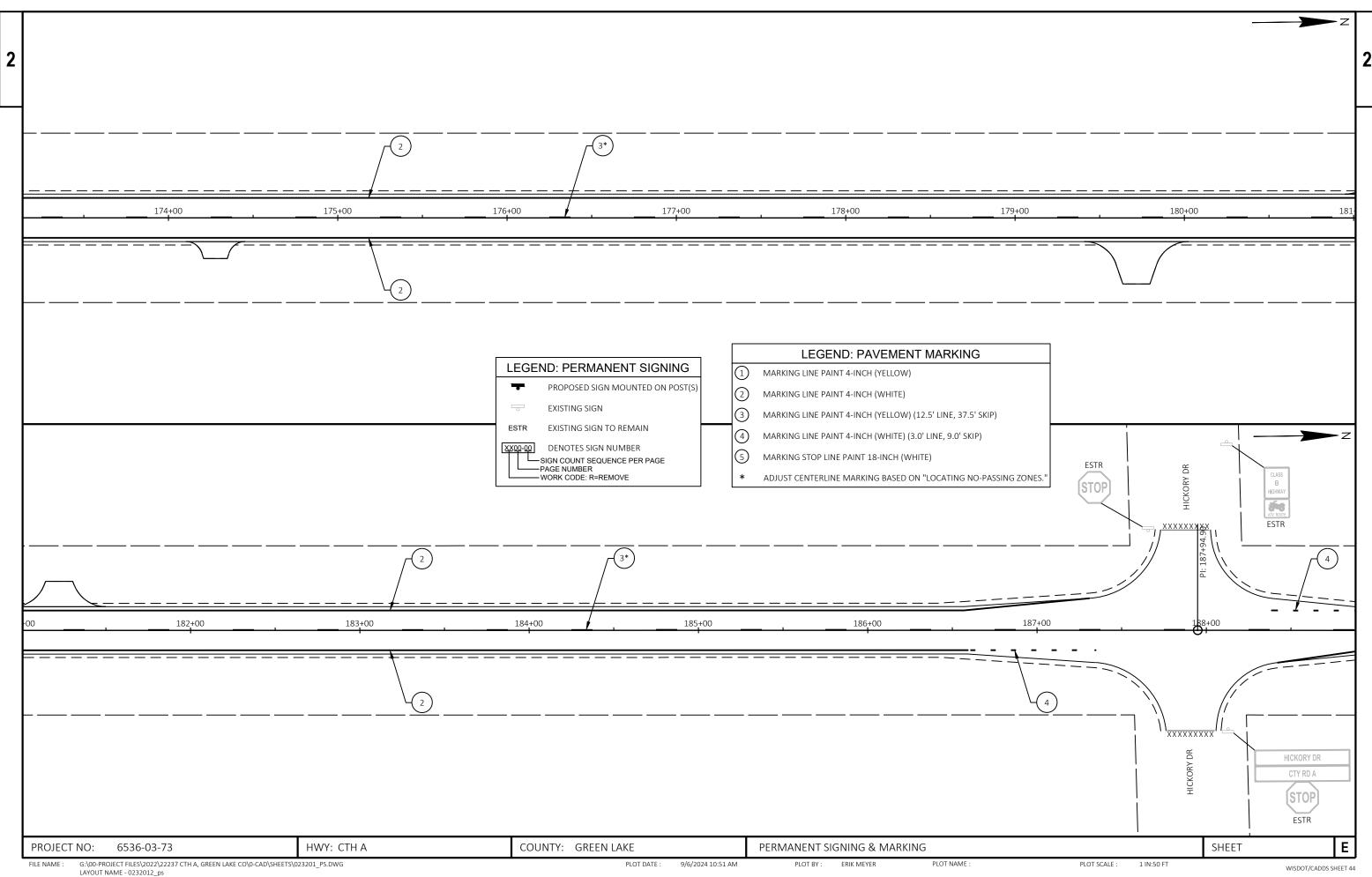


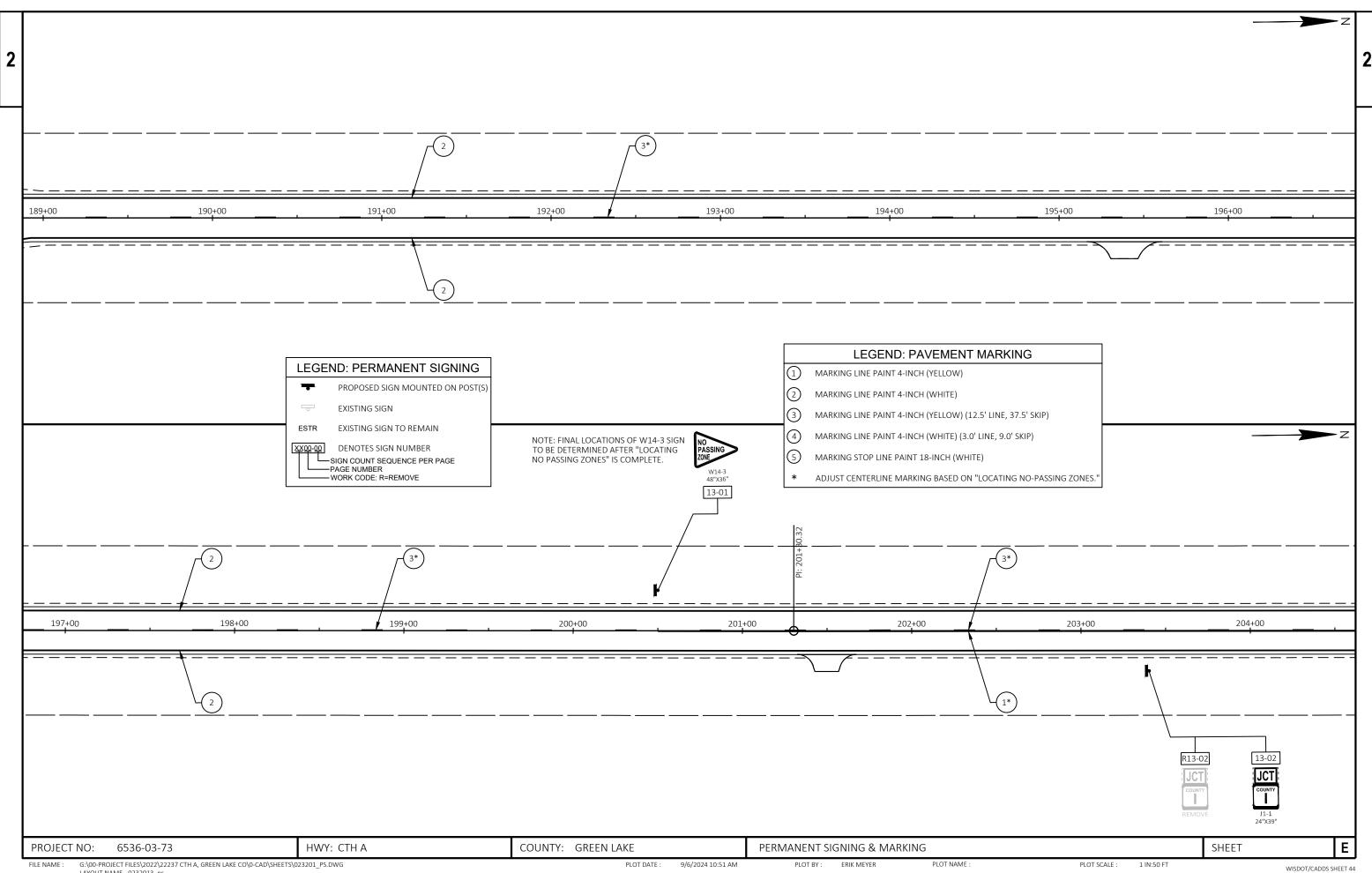
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PLOT SCALE :

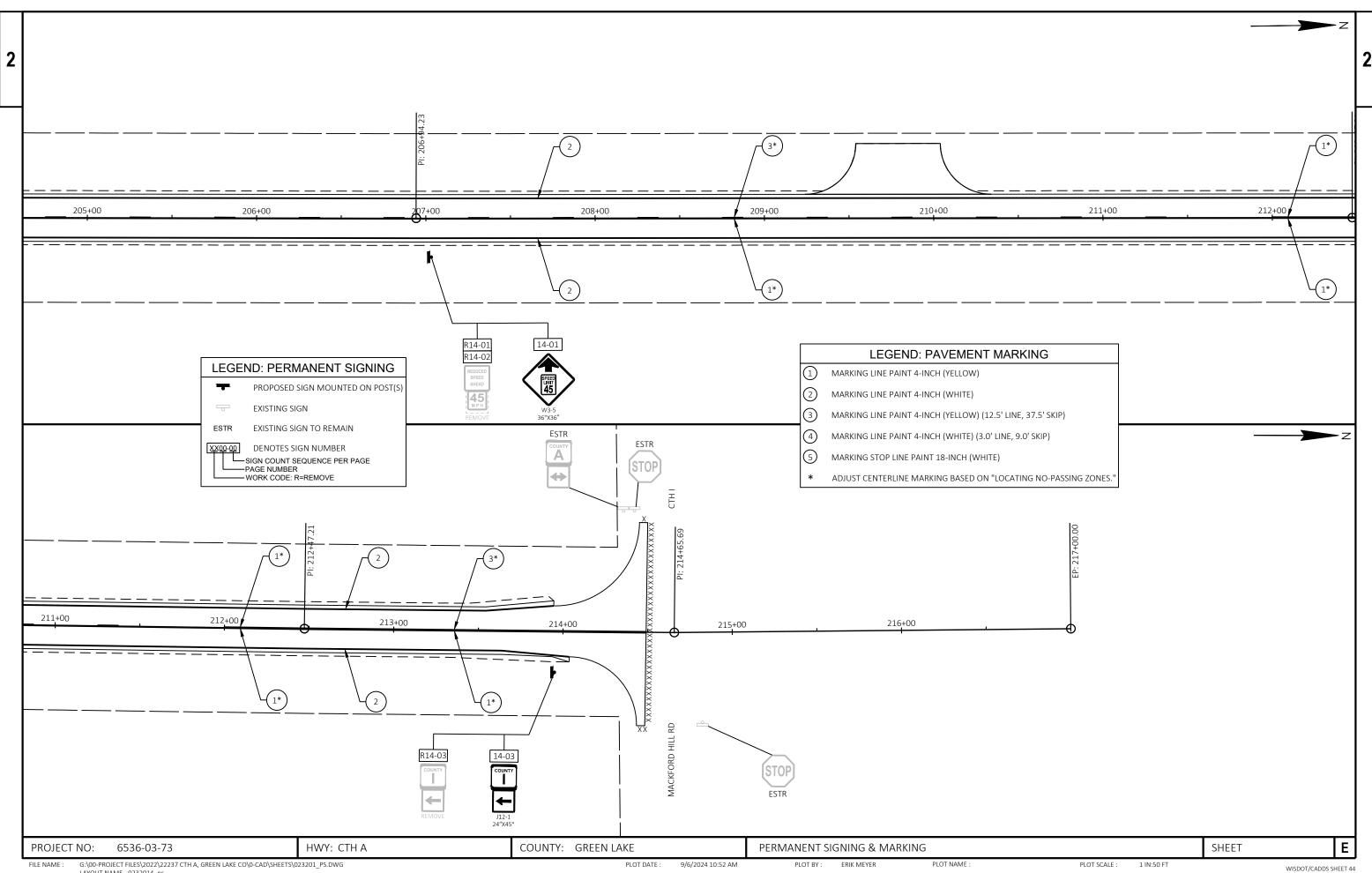


LAYOUT NAME - 0232011\_ps





LAYOUT NAME - 0232013\_ps



LAYOUT NAME - 0232014\_ps

3

|   |          |  |      |           | 6536-03-73 |
|---|----------|--|------|-----------|------------|
| e | Item     | Item Description                       | Unit | Total     | Qty        |
| 2 | 204.0110 | Removing Asphaltic Surface             | SY   | 30.000    | 30.000     |
| ļ | 204.0115 | Removing Asphaltic Surface Butt Joints | SY   | 4,060.000 | 4,060.000  |
|   |          |  |      |           |            |

| Line | Item                 | Item Description   | Unit       | Total      | Qty        |
|------|----------------------|--|------------|------------|------------|
| 0002 | 204.0110             | Removing Asphaltic Surface   | SY         | 30.000     | 30.000     |
| 0004 | 204.0115             | Removing Asphaltic Surface Butt Joints   | SY         | 4,060.000  | 4,060.000  |
| 0006 | 211.0700.S           | Prepare Foundation for CIR Base Layer (project) 01. 6536-03-73                     | EACH       | 1.000      | 1.000      |
| 8000 | 211.0800.S           | Base Repair for CIR Layer  | CY         | 450.000    | 450.000    |
| 0010 | 213.0100             | Finishing Roadway (project) 01. 6536-03-73   | EACH       | 1.000      | 1.000      |
| 0012 | 305.0110             | Base Aggregate Dense 3/4-Inch  | TON        | 4,920.000  | 4,920.000  |
| 0014 | 305.0120             | Base Aggregate Dense 1 1/4-Inch  | TON        | 330.000    | 330.000    |
| 0016 | 305.0500             | Shaping Shoulders  | STA        | 428.000    | 428.000    |
| 0018 | 327.1000.S           | CIR Asphaltic Base Layer   | SY         | 66,780.000 | 66,780.000 |
| 0020 | 455.0605             | Tack Coat  | GAL        | 8,354.000  | 8,354.000  |
| 0022 | 455.0770.S           | Asphalt Stabilizing Agent  | TON        | 300.000    | 300.000    |
| 0024 | 460.2000             | Incentive Density HMA Pavement   | DOL        | 7,490.000  | 7,490.000  |
| 0026 | 460.6224             | HMA Pavement 4 MT 58-28 S  | TON        | 6,823.000  | 6,823.000  |
| 0028 | 460.6225             | HMA Pavement 5 MT 58-28 S  | TON        | 4,875.000  | 4,875.000  |
| 0030 | 465.0120             | Asphaltic Surface Driveways and Field Entrances                                    | TON        | 5.000      | 5.000      |
| 0032 | 465.0560             | Asphaltic Rumble Strips, Centerline  | LF         | 18,700.000 | 18,700.000 |
| 0034 | 465.0580             | Asphaltic Rumble Strips, Transverse  | SY         | 75.000     | 75.000     |
| 0036 | 618.0100             | Maintenance and Repair of Haul Roads (project) 01. 6536-03-73                      | EACH       | 1.000      | 1.000      |
| 0038 | 619.1000             | Mobilization   | EACH       | 1.000      | 1.000      |
| 0040 | 624.0100             | Water  | MGAL       | 49.200     | 49.200     |
| 0042 | 634.0616             | Posts Wood 4x6-Inch X 16-FT  | EACH       | 24.000     | 24.000     |
| 0044 | 634.0618             | Posts Wood 4x6-Inch X 18-FT  | EACH       | 1.000      | 1.000      |
| 0046 | 637.2210             | Signs Type II Reflective H   | SF         | 102.680    | 102.680    |
| 0048 | 637.2230             | Signs Type II Reflective F   | SF         | 97.230     | 97.230     |
| 0050 | 638.2602             | Removing Signs Type II   | EACH       | 22.000     | 22.000     |
| 0052 | 638.3000             | Removing Small Sign Supports   | EACH       | 17.000     | 17.000     |
| 0054 | 642.5001             | Field Office Type B  | EACH       | 1.000      | 1.000      |
| 0056 | 643.0420             | Traffic Control Barricades Type III  | DAY        | 2,176.000  | 2,176.000  |
| 0058 | 643.0705             | Traffic Control Warning Lights Type A  | DAY        | 4,352.000  | 4,352.000  |
| 0060 | 643.0900             | Traffic Control Signs  | DAY        | 3,264.000  | 3,264.000  |
| 0062 | 643.3105             | Temporary Marking Line Paint 4-Inch  | LF         | 10,636.000 | 10,636.000 |
| 0064 | 643.5000             | Traffic Control  | EACH       | 1.000      | 1.000      |
| 0066 | 646.1005             | Marking Line Paint 4-Inch  | LF         | 57,334.000 | 57,334.000 |
| 0068 | 646.6105             | Marking Stop Line Paint 18-Inch  | LF         | 26.000     | 26.000     |
| 0000 | 648.0100             | Locating No-Passing Zones  | MI         | 4.040      | 4.040      |
| 0070 | 650.8000             | Construction Staking Resurfacing Reference   | LF         | 21,333.000 | 21,333.000 |
| 0072 | 650.9911             | Construction Staking Supplemental Control (project) 01. 6536-03-73                 | EACH       | 1.000      | 1.000      |
|      | 690.0150             | Sawing Asphalt   | LF         | 15.000     | 15.000     |
| 0076 |                      | Incentive IRI Ride   |            |            |            |
| 0078 | 740.0440<br>ASP.1T0A |  | DOL<br>HRS | 8,080.000  | 8,080.000  |
| 0800 |                      | On-the-Job Training Apprentice at \$5.00/HR  |            | 1,200.000  | 1,200.000  |
| 0082 | ASP.1T0G             | On-the-Job Training Graduate at \$5.00/HR  | HRS        | 600.000    | 600.000    |
| 0084 | SPV.0060             | Special 01. Verify and Reestablish Section Corner and Landmark Reference Monuments | EACH       | 8.000      | 8.000      |
|      |                      | MONUMENTS  |            |            |            |

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|---|---|
| ı | 2 |
| ı | J |

| Γ |  | REMOVIN  | NG ASPHALTIC SURFACE BUTT   | T JOINTS                                       |  |                            |             |                                      |  |  |   |   |  |   |   |
|---|--|--|---|--|--|----------------------------|-------------|--------------------------------------|--|--|---|---|--|---|---|
|   | STATION  | TO STATION   | LOCATION  | I  | 204.0115<br>SY                                     |                            |             |                                      |  | 211.0800.S   | ASPHALTIC ITEN                                  | <u>MS</u><br>455.0605                                 | 455.0770.S   | 460.6224  | 460.6225  |
|   | 1+82<br>53+66<br>80+48                         | - 3+82<br>- 54+73<br>- 81+56                             | MAINLINE<br>SUNNY DRIVE<br>PRAIRIE DRIVE                                  | , RT<br>E, LT                                  | 630<br>310<br>310                                  | STATION                    | TO          | STATION                              | LOCATION   | BASE REPAIR FOF<br>LAYER<br>CY                               |   |   | 455.0770.5<br>ASPHALT STABILIZING<br>AGENT<br>TON                        | HMA PAVEMENT 4<br>MT 58-28 S<br>TON                                     | 460.6225<br>HMA PAVEMENT 5<br>MT 58-28 S<br>TON |
|   | 80+50<br>107+27<br>107+28                      | - 81+57<br>- 108+35<br>- 108+35                          | PRAIRIE DRIVE<br>LAKE MARIA RO,<br>LAKE MARIA RO,                         | AD, LT<br>AD, RT                               | 310<br>320<br>310                                  | 1+16                       | -           | 214+49                               | MAINLINE<br>SUBTOTAL                             | 450<br>450   | 66,780<br>66,780                                | 8,013<br>8,013  | 300  | 6,544<br>6,544  | 4,675<br>4,675                                  |
| 3 | 133+92<br>160+59<br>187+31<br>187+34           | - 135+00<br>- 161+67<br>- 188+39<br>- 188+42             | CTH X, LT<br>CTH X, RT<br>HICKORY DR,<br>HICKORY DR,                      | LT   | 310<br>310<br>310<br>310                           | 53+66<br>80+48<br>80+50    | -<br>-<br>- | 54+73<br>81+56<br>81+57              | SUNNY DR, RT<br>PRAIRIE DR, LT<br>PRAIRIE DR, RT |  | <br><br>  | 37<br>38<br>38  | <br><br>   | 31<br>31<br>31  | 22<br>22<br>22                                  |
| 4 | 211+94   | - 213+94   | MAINLINE<br>TOTAL   |  | 630<br>4,060                                       | 107+27<br>107+28<br>133+92 | -<br>-      | 108+35<br>108+35<br>135+00           | LAKE MARIA RD,<br>LAKE MARIA RD,<br>CTH X, LT    |  | <br>  | 39<br>37<br>38  | <br>   | 32<br>30<br>31  | 23<br>22<br>22                                  |
|   |  |  | BASE AGGREGATE DENSE  |  |  | 160+59<br>187+31<br>187+34 | -           | 161+67<br>188+39<br>188+42           | CTH X, RT<br>HICKORY DR, L'<br>HICKORY DR, R'    |  |   | 38<br>38<br>38  | <br>   | 31<br>31<br>31  | 23<br>22<br>22                                  |
|   | OT 171011                                      |  | D   | 305.0110<br>SE AGGREGATE<br>ENSE 3/4-INCH      | 624.0100<br>WATER                                  | 107.51                     |             | 100.12                               | SUBTOTAL<br>TOTAL                                | 0 450  | 66,780  | 341 8,354   | 300  | 279   | 200   |
|   | STATION  1+61 1+82                             | - 80+90<br>- 54+07                                       | LOCATION  MAINLINE,LT  MAINLINE, RT                                       | 910<br>600                                     | 9.1<br>6.0   |                            |             |                                      |  |  |   |   |  |   |   |
|   | 54+37<br>81+20<br>81+21                        | - 80+92<br>- 107+68<br>- 107+70                          | MAINLINE, RT MAINLINE, LT MAINLINE, RT                                    | 310<br>320<br>320                              | 3.1<br>3.2<br>3.2                                  |                            |             |                                      |  |  | DRIVEWAYS AND FIELD                             | ENTRANCES   |  |   |   |
|   | 107+98<br>107+99<br>134+63<br>156+68<br>161+31 | - 134+34<br>- 161+01<br>- 156+36<br>- 187+73<br>- 187+76 | MAINLINE,LT<br>MAINLINE, RT<br>MAINLINE,LT<br>MAINLINE,LT<br>MAINLINE, RT | 310<br>620<br>250<br>360<br>320                | 3.1<br>6.2<br>2.5<br>3.6<br>3.2                    |                            |             | STATION                              | TO STATION                                       | LOCATION   | 204.0110<br>REMOVING<br>ASPHALTIC SURFACE<br>SY | 305.0120<br>BASE AGGREGATE<br>DENSE 1 1/4-INCH<br>TON | 465.0120<br>ASPHALTIC SURFACE<br>DRIVEWAYS AND<br>FIELD ENTRANCES<br>TON | REMARKS   |   |
|   | 188+02<br>188+06                               | - 213+94<br>- 214+04                                     | MAINLINE, LT  MAINLINE, RT  TOTAL   | 300<br>300<br>4,920                            | 3.0<br>3.0<br>49.2                                 |                            |             | 3+19<br>3+61                         | - 3+53<br>- 3+95                                 | MAINLINE, RT<br>MAINLINE, LT                                 |   | 12<br>10  |  | AGGREGATE DRIVEWA   |   |
|   |  |  | SHAPING SHOULDERS   |  |  |                            |             | 4+89<br>14+58                        | - 5+11<br>- 14+83<br>- 22+96                     | MAINLINE, RT<br>MAINLINE, RT<br>MAINLINE, LT                 |   | 5<br>5<br>7   |  | AGGREGATE DRIVEWA<br>AGGREGATE DRIVEWA                                  | Y<br>Y  |
|   | STA  | ation to stati   | ON LOCATION   | 305.0<br>STA                                   |  |                            | _           | 22+71<br>23+65<br>23+70              | - 24+02<br>- 23+89                               | MAINLINE, LT<br>MAINLINE, RT<br>MAINLINE, LT                 | <br><br>  | 12 4  | <br><br>   | AGGREGATE DRIVEWA AGGREGATE DRIVEWA AGGREGATE DRIVEWA                   | Y<br>Y  |
|   |  | +16 - 214+ <i>4</i><br>+16 - 214+ <i>4</i>               | 49 MAINLINE, LT   | 21 <sub>4</sub><br>21 <sub>4</sub>             | 4  |                            |             | 25+95<br>30+09<br>43+28<br>44+67     | - 26+32<br>- 30+48<br>- 43+48<br>- 44+87         | MAINLINE, ET  MAINLINE, RT  MAINLINE, LT  MAINLINE, RT       | <br><br>  | 12<br>12<br>5<br>4                                    | <br><br>   | AGGREGATE DRIVEWA AGGREGATE DRIVEWA AGGREGATE DRIVEWA AGGREGATE DRIVEWA | Y<br><u>Y</u>                                   |
| ŀ |  |  | TOTAL  RUMBLE STRIPS  | 428  | 8  |                            |             | 53+95<br>60+26<br>67+29              | - 54+21<br>- 60+67<br>- 67+59                    | MAINLINE, LT<br>MAINLINE, LT<br>MAINLINE, RT                 | <br><br>  | 5<br>12<br>9  | <br><br>   | AGGREGATE DRIVEWA<br>AGGREGATE DRIVEWA<br>AGGREGATE DRIVEWA             | Y<br>Y  |
|   |  |  |   | 465.0560<br>PHALTIC RUMBLE<br>IIPS, CENTERLINE | 465.0580<br>ASPHALTIC RUMBLE<br>STRIPS, TRANSVERSE |                            |             | 75+82<br>94+10<br>94+12<br>105+40    | - 76+05<br>- 94+34<br>- 94+35<br>- 105+73        | MAINLINE, LT<br>MAINLINE, LT<br>MAINLINE, RT<br>MAINLINE, LT | <br><br>  | 5<br>5<br>5<br>11                                     |  | AGGREGATE DRIVEWA AGGREGATE DRIVEWA AGGREGATE DRIVEWA AGGREGATE DRIVEWA | Y<br>Y  |
|   | 3+00   | TO STATION - 5+20  | LOCATION<br>MAINLINE  | LF<br>220                                      | SY   |                            |             | 107+40<br>117+09<br>119+04           | - 107+66<br>- 117+41<br>- 119+32                 | MAINLINE, RT<br>MAINLINE, LT<br>MAINLINE, RT                 |   | 14<br>11<br>11  |  | AGGREGATE DRIVEWA AGGREGATE DRIVEWA AGGREGATE DRIVEWA                   | Y<br>Y<br>Y                                     |
|   | 5+20<br>5+45<br>7+45<br>7+70                   | - 5+45<br>- 7+45<br>- 7+70<br>- 10+95                    | MAINLINE<br>MAINLINE<br>MAINLINE<br>MAINLINE                              | 25<br>200<br>25<br>325                         | 25<br><br>25<br>                                   |                            |             | 134+11<br>154+26<br>156+36<br>167+56 | - 134+37<br>- 154+72<br>- 156+68<br>- 167+84     | MAINLINE, RT<br>MAINLINE, LT<br>MAINLINE, LT<br>MAINLINE, LT | <br><br>30<br>                                  | 8<br>18<br>10<br>6                                    | <br>5<br>  | AGGREGATE DRIVEWA AGGREGATE DRIVEWAY ASPHALT DRIVEWAY AGGREGATE DRIVEWA | Y   |
|   | 10+95<br>11+20<br>56+22                        | - 11+20<br>- 52+22<br>- 79+05                            | MAINLINE<br>MAINLINE<br>MAINLINE  | 25<br>4,110<br>2,290                           | 25<br><br>   |                            |             | 174+16<br>179+50<br>181+04           | - 174+39<br>- 179+94<br>- 181+41                 | MAINLINE, RT<br>MAINLINE, RT<br>MAINLINE, LT                 |   | 5<br>22<br>11   |  | AGGREGATE DRIVEWA<br>AGGREGATE DRIVEWA<br>AGGREGATE DRIVEWA             | Y<br>Y  |
|   | 83+05<br>109+84<br>136+49                      | - 105+84<br>- 132+49<br>- 159+16<br>- 185+88             | MAINLINE MAINLINE MAINLINE  | 2,280<br>2,270<br>2,270<br>2,280               | <br>   |                            |             | 195+24<br>201+38<br>209+35           | - 195+53<br>- 201+61<br>- 210+23                 | MAINLINE, RT<br>MAINLINE, RT<br>MAINLINE, LT                 |   | 6<br>5<br>63  | <br><br><br>E  | AGGREGATE DRIVEWA<br>AGGREGATE DRIVEWA<br>AGGREGATE DRIVEWA             | Υ   |
|   | 163+16<br>189+88                               | - 185+88<br>- 213+65                                     | MAINLINE MAINLINE TOTAL   | 2,380<br>2,380<br>18,700                       | <br><br>75   |                            |             |                                      |  | TOTAL  | 30  | 330   | 5  |   |   |
| L | PROJECT NO:                                    | 6536-03-73   | Н   | WY: CTH A                                      |  | COUNTY:                    | GREE        | N LAKE                               |  | MISCELLANEOUS Q  | UANTITIES                                       |   |  | SHEET   |   |

PLOT NAME :

E

# PERMANENT SIGNING

|                                 | 637.2230<br>SIGNS TYPE II<br>REFLECTIVE F | 637.2210<br>SIGNS TYPE II<br>REFLECTIVE H | 634.0618<br>POSTS WOOD<br>4X6-INCH X 18-FT | 634.0616<br>POSTS WOOD<br>4X6-INCH X 16-FT |  |           |              |         |        |
|---------------------------------|---|---|--|--|--|-----------|--------------|---------|--------|
| REMARKS                         | SF  | SF  | EACH                                       | EACH                                       | SIGN DESCRIPTION   | SIGN CODE | LOCATION     | STATION | SIGN # |
|                                 |   | 15.00                                     |  | 1  | COUNTY ROUTE MARKER (A), ARROW (RIGHT), COUNTY ROUTE MARKER (AW), DOUBLE ARROW | J13-2     | MAINLINE, LT | 1+61    | 01-01  |
|                                 |   | 5.18                                      |  | 1  | STOP   | R1-1      | MAINLINE, LT | 1+61    | 01-02  |
|                                 | 5.56                                      |   |  | 1  | NO PASSING ZONE  | W14-3     | MAINLINE, RT | 7+70    | 01-03  |
|                                 | 9.00                                      |   |  | 1  | STOP AHEAD SYMBOL  | W3-1      | MAINLINE, LT | 9+20    | 01-04  |
|                                 |   | 6.50                                      |  | 1  | JUNCTION, COUNTY ROUTE MARKER (AW)   | J1-1      | MAINLINE, LT | 9+86    | 01-05  |
|                                 | 6.25                                      |   |  | 1  | INTERSECTION (RIGHT)   | W2-2R     | MAINLINE, RT | 40+99   | 03-01  |
|                                 | 5.56                                      |   |  | 1  | NO PASSING ZONE  | W14-3     | MAINLINE, LT | 41+00   | 03-02  |
|                                 | 6.25                                      |   |  | 1  | INTERSECTION (LEFT)  | W2-2L     | MAINLINE, LT | 65+30   | 05-01  |
|                                 | 5.56                                      |   |  | 1  | NO PASSING ZONE  | W14-3     | MAINLINE, RT | 67+00   | 05-02  |
|                                 | 5.56                                      |   |  | 1  | NO PASSING ZONE  | W14-3     | MAINLINE, LT | 95+50   | 07-01  |
|                                 | 5.56                                      |   |  | 1  | NO PASSING ZONE  | W14-3     | MAINLINE, RT | 116+00  | 08-01  |
|                                 |   | 6.50                                      |  | 1  | JUNCTION, COUNTY ROUTE MARKER (X)  | J1-1      | MAINLINE, RT | 120+55  | 08-02  |
|                                 | 6.25                                      |   |  | 1  | INTERSECTION   | W2-1      | MAINLINE, LT | 120+62  | 08-03  |
|                                 |   | 7.50                                      | 1  |  | COUNTY ROUTE MARKER (X), TWO-DIRECTION ARROW (UP/LEFT)                         | J12-1     | MAINLINE, RT | 134+55  | 09-01  |
| INSTALLED ON SAME POST AS 09-01 | 8.00                                      |   |  |  | DOUBLE ARROW   | W1-7      | MAINLINE, RT | 134+55  | 09-02  |
| INSTALLED ON SAME POST AS 09-01 |   | 7.50                                      |  |  | COUNTY ROUTE MARKER (X), ARROW (RIGHT)   | J12-1     | MAINLINE, RT | 134+55  | 09-03  |
|                                 |   | 7.50                                      |  | 1  | COUNTY ROUTE MARKER (X), TURN ARROW (RIGHT)                                    | J12-1     | MAINLINE, LT | 142+17  | 10-01  |
|                                 | 5.56                                      |   |  | 1  | NO PASSING ZONE  | W14-3     | MAINLINE, LT | 148+00  | 10-02  |
|                                 |   | 7.50                                      |  | 1  | COUNTY ROUTE MARKER (X), TURN ARROW (RIGHT)                                    | J12-1     | MAINLINE, RT | 152+89  | 10-03  |
|                                 |   | 7.50                                      |  | 1  | COUNTY ROUTE MARKER (X), ARROW (RIGHT)   | J12-1     | MAINLINE, RT | 160+70  | 11-01  |
|                                 |   | 7.50                                      |  |  | COUNTY ROUTE MARKER (X), ARROW (LEFT)  | J12-1     | MAINLINE, RT | 160+70  | 11-02  |
|                                 |   | 4.00                                      |  | 1  | COUNTY ROUTE MARKER (A)  | M1-5A     | MAINLINE, LT | 161+20  | 11-03  |
| INSTALLED ON SAME POST AS 11-03 | 8.00                                      |   |  |  | DOUBLE ARROW   | W1-7      | MAINLINE, LT | 161+20  | 11-04  |
|                                 | 5.56                                      |   |  | 1  | NO PASSING ZONE  | W14-3     | MAINLINE, RT | 170+50  | 11-05  |
|                                 |   | 6.50                                      |  | 1  | JUNCTION, COUNTY ROUTE MARKER (X)  | J1-1      | MAINLINE, LT | 173+03  | 11-06  |
|                                 | 5.56                                      |   |  | 1  | NO PASSING ZONE  | W14-3     | MAINLINE, LT | 200+50  | 13-01  |
|                                 |   | 6.50                                      |  | 1  | JUNCTION, COUNTY ROUTE MARKER (I)  | J1-1      | MAINLINE, RT | 203+40  | 13-02  |
|                                 | 9.00                                      |   |  | 1  | REDUCE SPEED AHEAD (45)  | W3-5      | MAINLINE, RT | 207+03  | 14-01  |
| _                               |   | 7.50                                      |  | 1  | COUNTY ROUTE MARKER (I), ARROW (LEFT)  | J1-1      | MAINLINE, RT | 213+95  | 14-03  |
|                                 | 97.23                                     | 102.68                                    | 1  | 24   | TOTAL  |           |              |         |        |

| CICNI II | CTATION. | LOCATION     | 638.2602<br>REMOVING SIGNS<br>TYPE II | 638.3000<br>REMOVING SMALL<br>SIGN SUPPORTS |
|----------|----------|--------------|---------------------------------------|---|
| SIGN #   | STATION  | LOCATION     | EACH                                  | EACH  |
| R01-01   | 1+61     | MAINLINE, LT | 1                                     | 1   |
| R01-02   | 1+61     | MAINLINE, LT | 1                                     | 1   |
| R01-04   | 9+20     | MAINLINE, LT | 1                                     | 1   |
| R01-05   | 9+86     | MAINLINE, LT | 1                                     | 1   |
| R03-01   | 40+99    | MAINLINE, RT | 1                                     | 1   |
| R05-01   | 65+30    | MAINLINE, LT | 1                                     | 1   |
| R08-02   | 120+55   | MAINLINE, RT | 1                                     | 1   |
| R08-03   | 120+62   | MAINLINE, LT | 1                                     | 1   |
| R09-01   | 134+55   | MAINLINE, RT | 1                                     | 1   |
| R09-02   | 134+55   | MAINLINE, RT | 1                                     |   |
| R09-03   | 134+55   | MAINLINE, RT | 1                                     |   |
| R10-01   | 142+17   | MAINLINE, LT | 1                                     | 1   |
| R10-03   | 152+89   | MAINLINE, RT | 1                                     | 1   |
| R11-01   | 160+70   | MAINLINE, RT | 1                                     | 1   |
| R11-02   | 160+70   | MAINLINE, RT | 1                                     |   |
| R11-03   | 161+20   | MAINLINE, LT | 1                                     | 1   |
| R11-04   | 161+20   | MAINLINE, LT | 1                                     |   |
| R11-06   | 173+03   | MAINLINE, LT | 1                                     | 1   |
| R13-02   | 203+40   | MAINLINE, RT | 1                                     | 1   |
| R14-01   | 207+03   | MAINLINE, RT | 1                                     | 1   |
| R14-02   | 207+03   | MAINLINE, RT | 1                                     |   |
| R14-03   | 213+95   | MAINLINE, RT | 1                                     | 1   |
|          |          | TOTAL        | 22                                    | 17  |

PROJECT NO: 6536-03-73

REMOVING SIGNS

# MARKING LINE ITEMS

|         |    |         |                           |                       | 3.3105<br>(ING LINE PAINT 4-INCH |                      | 646.1<br>MARKING LINF |                                |                                    |
|---------|----|---------|---------------------------|-----------------------|----------------------------------|----------------------|-----------------------|--------------------------------|------------------------------------|
| STATION | TO | STATION | DESCRIPTION               | SOLID<br>YELLOW<br>LF | 4' LINE 46' SKIP<br>YELLOW<br>LF | SOLID<br>WHITE<br>LF | SOLID<br>YELLOW<br>LF | 3' LINE 9' SKIP<br>WHITE<br>LF | 12.5' LINE 37.5' S<br>YELLOW<br>LF |
|         |    |         |                           |                       |                                  |                      |                       |                                |                                    |
| 1+28    | -  | 3+00    | DOUBLE YELLOW             | 344                   | 0                                | 258                  | 344                   | 0                              | 0                                  |
| 3+00    | -  | 6+00    | NB PASSING ONLY           | 300                   | 24                               | 600                  | 300                   | 0                              | 75                                 |
| 6+00    | -  | 41+00   | PASSING                   | 0                     | 280                              | 7,000                | 0                     | 0                              | 875                                |
| 41+00   | -  | 52+00   | SB PASSING ONLY           | 1,100                 | 88                               | 2,200                | 1,100                 | 0                              | 275                                |
| 52+00   | -  | 55+50   | DOUBLE YELLOW             | 700                   | 0                                | 524                  | 700                   | 18                             | 0                                  |
| 55+50   | -  | 67+00   | NB PASSING ONLY           | 1,150                 | 92                               | 2,300                | 1,150                 | 0                              | 288                                |
| 67+00   | -  | 95+50   | PASSING                   | 0                     | 228                              | 5,362                | 0                     | 30                             | 713                                |
| 95+50   | -  | 106+00  | SB PASSING ONLY           | 1,050                 | 84                               | 2,100                | 1,050                 | 0                              | 263                                |
| 106+00  | -  | 109+00  | PASSING                   | 0                     | 24                               | 261                  | 0                     | 30                             | 75                                 |
| 109+00  | -  | 116+00  | NB PASSING ONLY           | 700                   | 56                               | 1,400                | 700                   | 0                              | 175                                |
| 116+00  | -  | 148+00  | PASSING                   | 0                     | 256                              | 6,244                | 0                     | 12                             | 800                                |
| 148+00  | -  | 156+00  | SB PASSING ONLY           | 800                   | 64                               | 1,600                | 800                   | 0                              | 200                                |
| 156+00  | -  | 158+50  | PASSING                   | 0                     | 20                               | 500                  | 0                     | 0                              | 63                                 |
| 158+50  | -  | 170+50  | NB PASSING ONLY           | 1,200                 | 96                               | 2,140                | 1,200                 | 18                             | 300                                |
| 170+50  | -  | 200+50  | PASSING                   | 0                     | 240                              | 5,660                | 0                     | 30                             | 750                                |
| 200+50  | -  | 212+00  | SB PASSING ONLY           | 1,150                 | 92                               | 2,300                | 1,150                 | 0                              | 288                                |
| 212+00  | -  | 214+49  | DOUBLE YELLOW             | 498                   | 0                                | 399                  | 498                   | 0                              | 0                                  |
|         |    |         | LOCATING NO-PASSING ZONES | 0                     | 0                                | 0                    | 2,216                 | 0                              | 0                                  |
|         |    |         | SUBTOTAL                  | 8,992                 | 1,644                            | 40,848               | 11,208                | 138                            | 5,140                              |
|         |    |         | TOTAL                     | 1                     | 0,636                            |                      | 57,3                  | 34                             |                                    |

HWY: CTH A FILE NAME : G:\00-PROJECT FILE\$\\2022\\22237 CTH A, GREEN LAKE CO\0-CAD\\$HEET\$\\030201\_MQ.DWG LAYOUT NAME - 030202\_mq

PLOT DATE : 9/9/2024 10:24 AM

COUNTY: GREEN LAKE

PLOT BY: ERIK MEYER

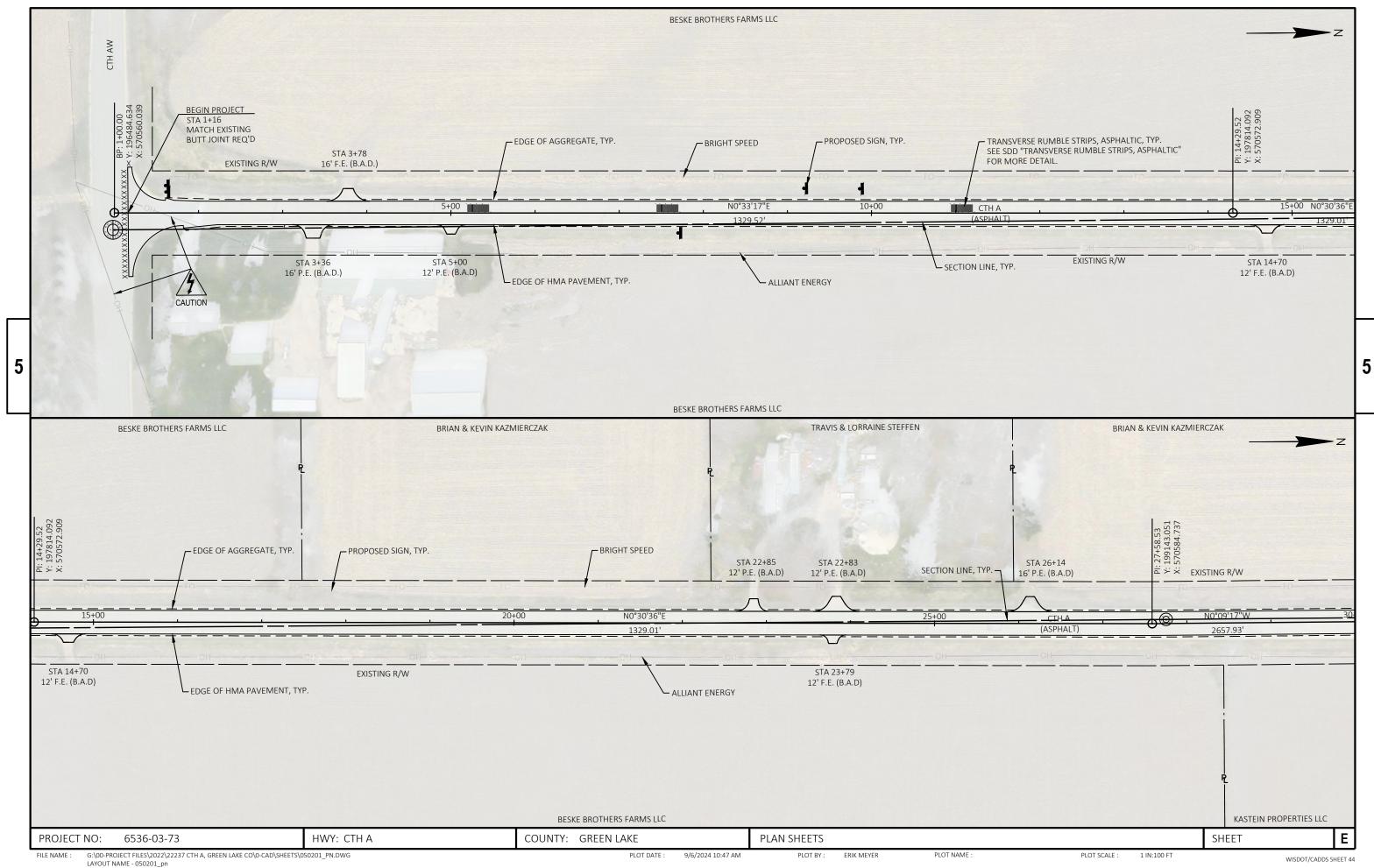
MISCELLANEOUS QUANTITIES

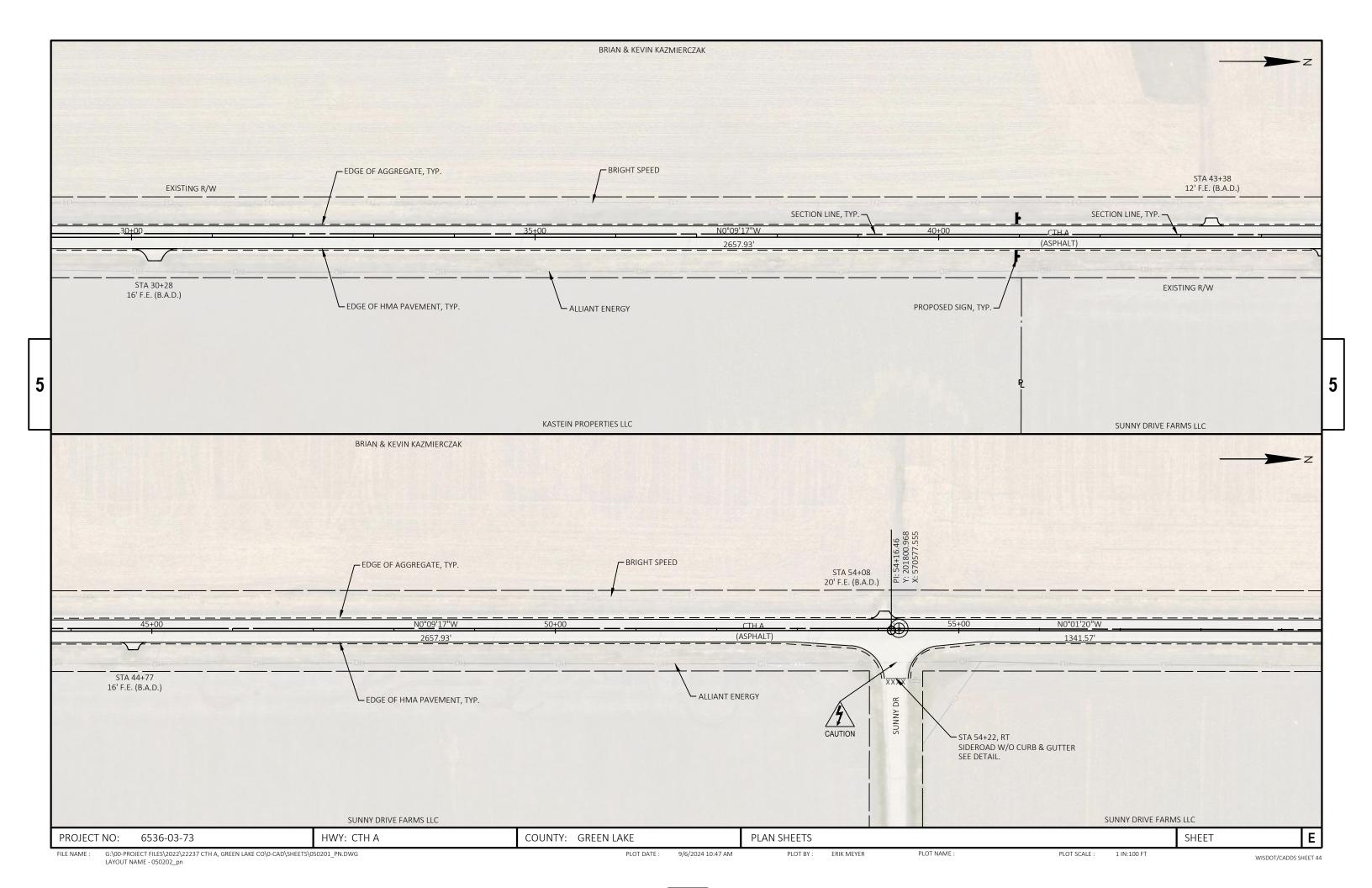
PLOT NAME :

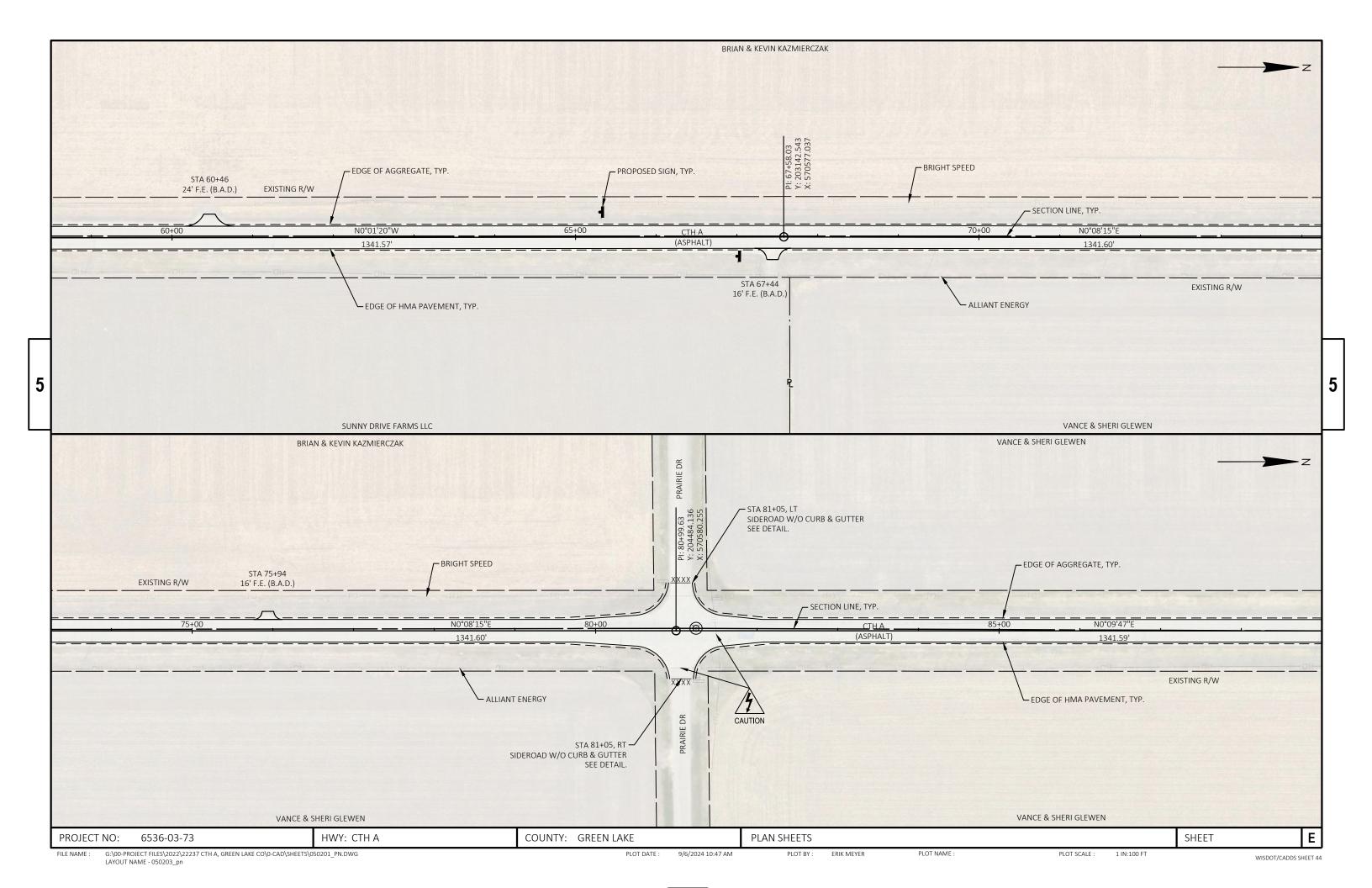
PLOT SCALE : 1" = 1'

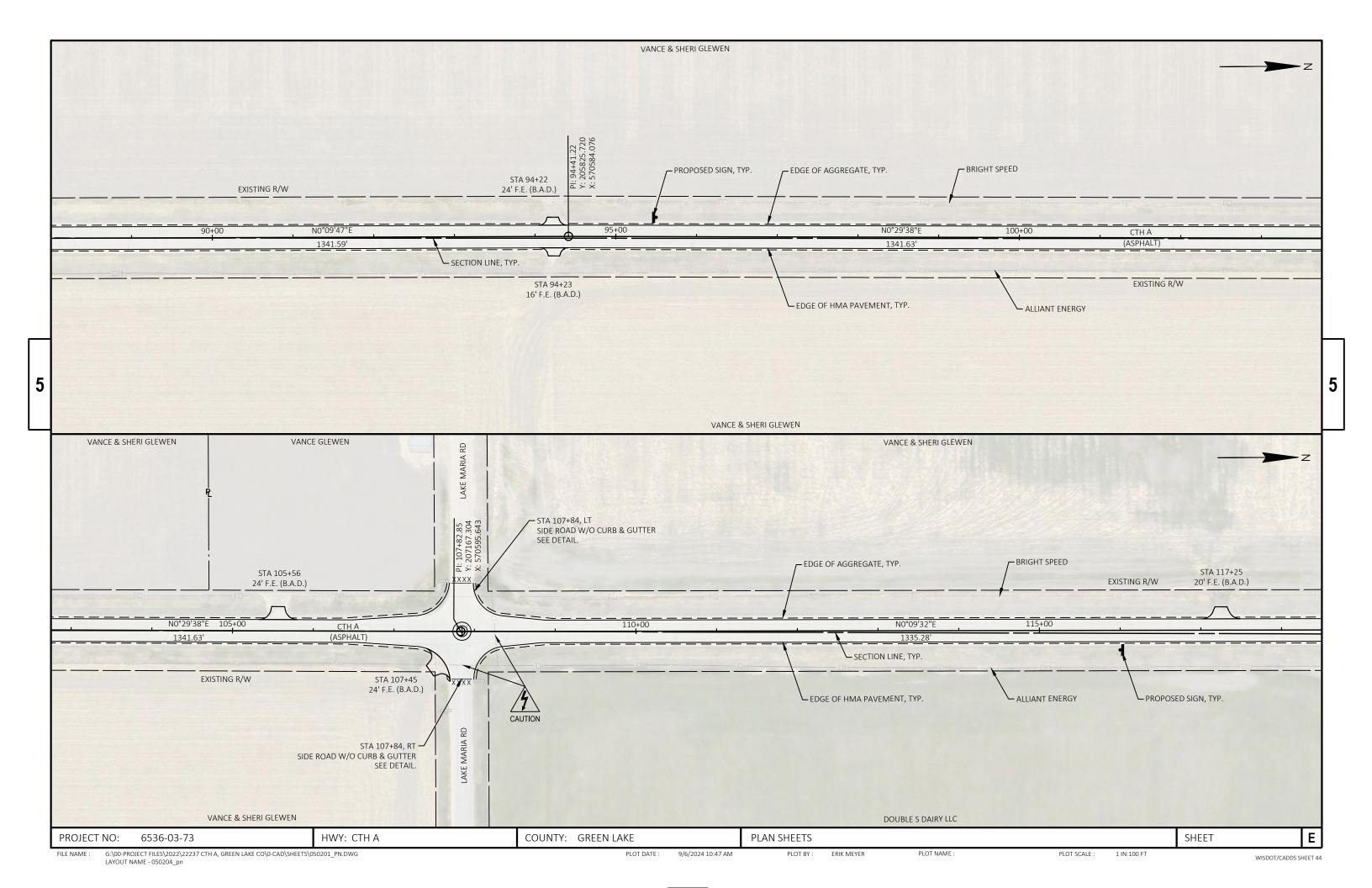
SHEET

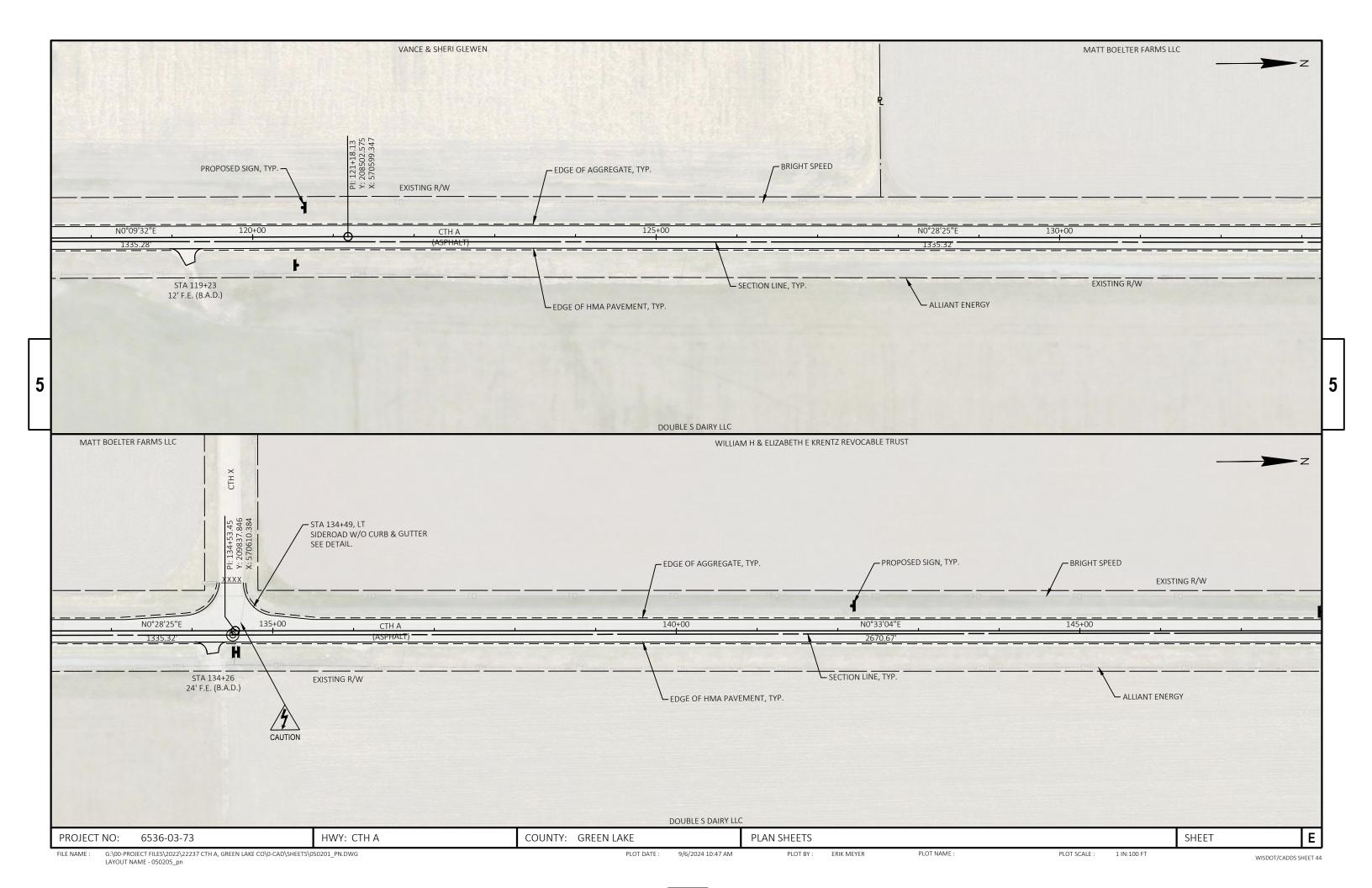
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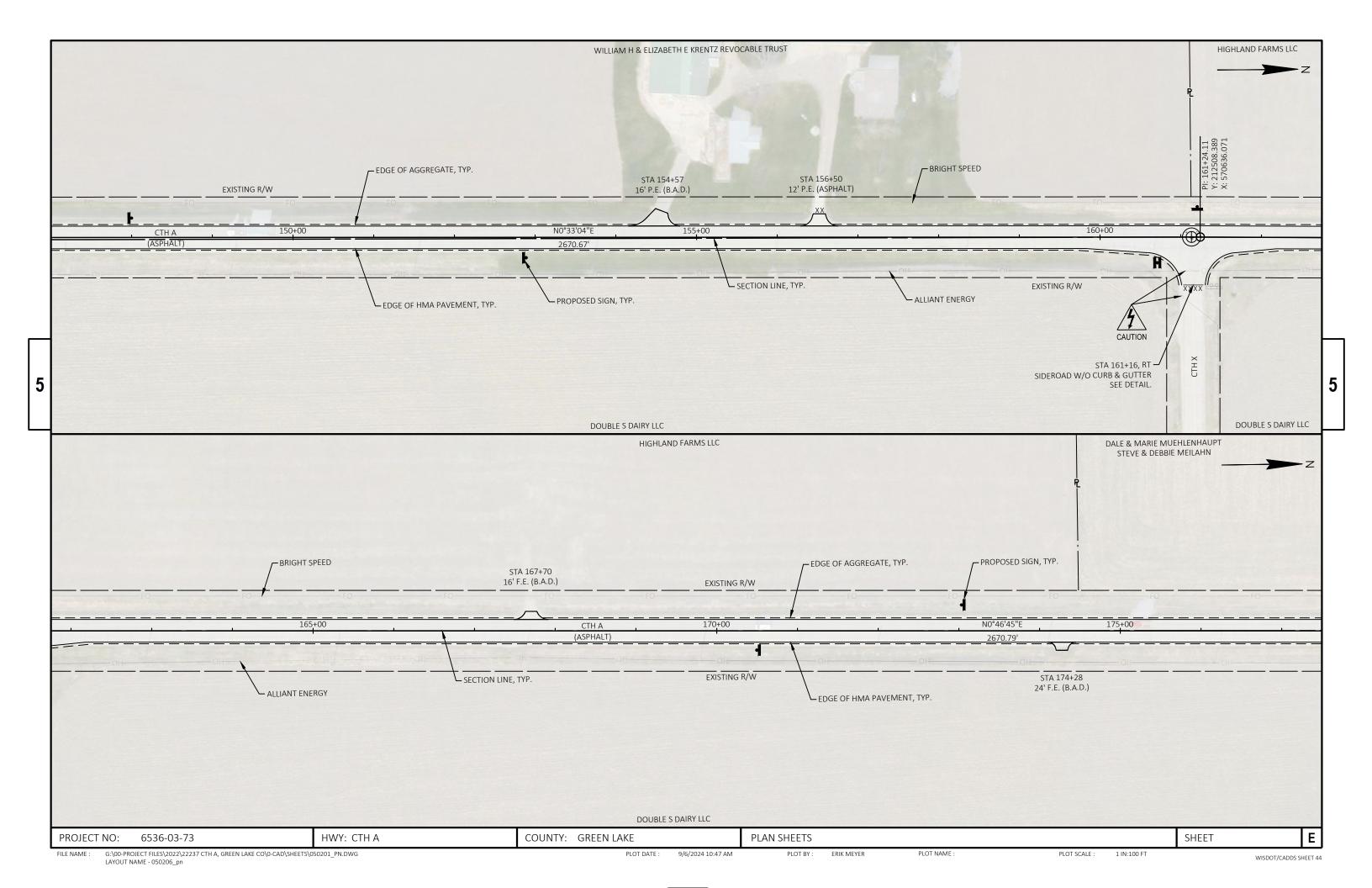


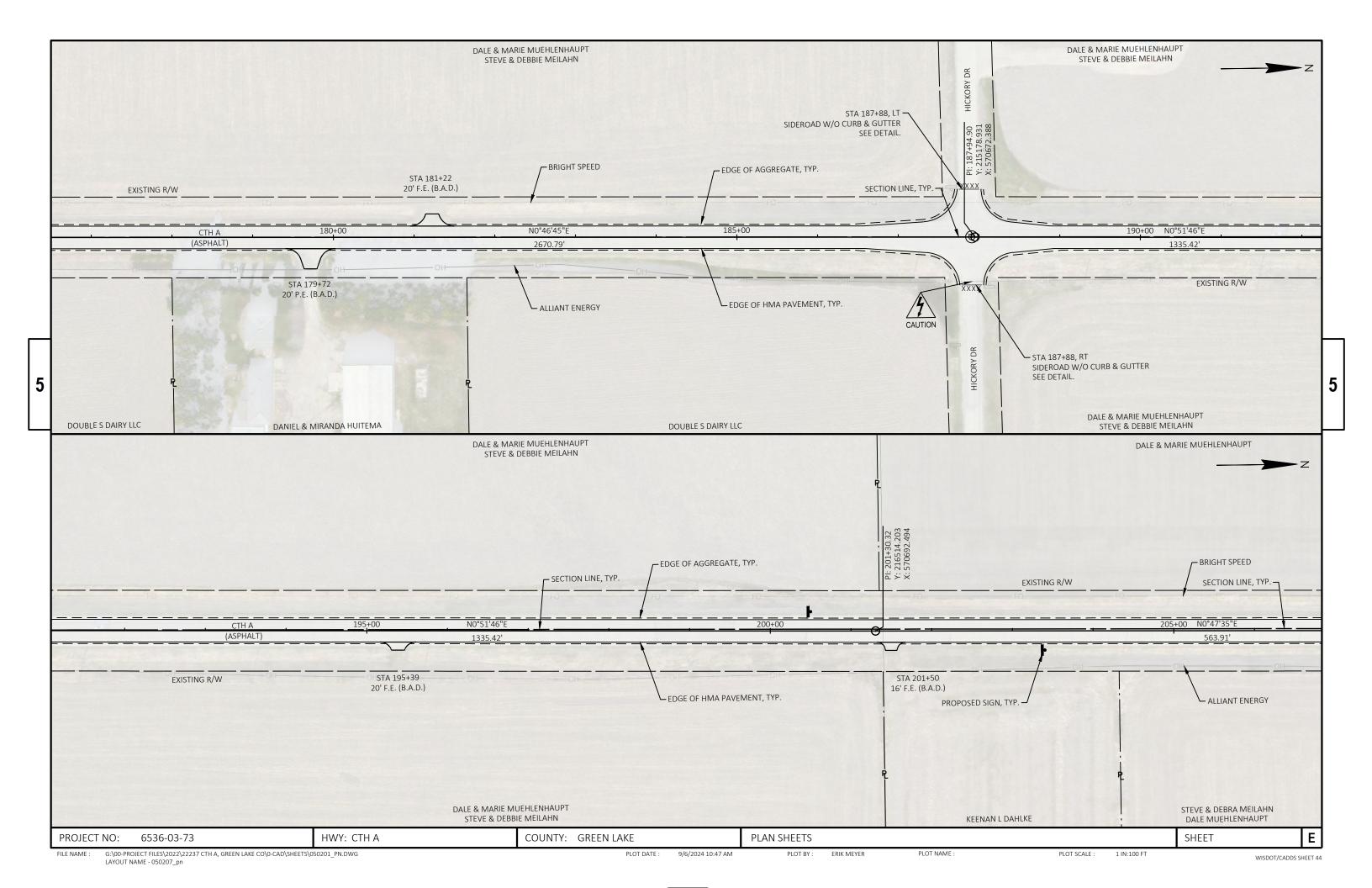


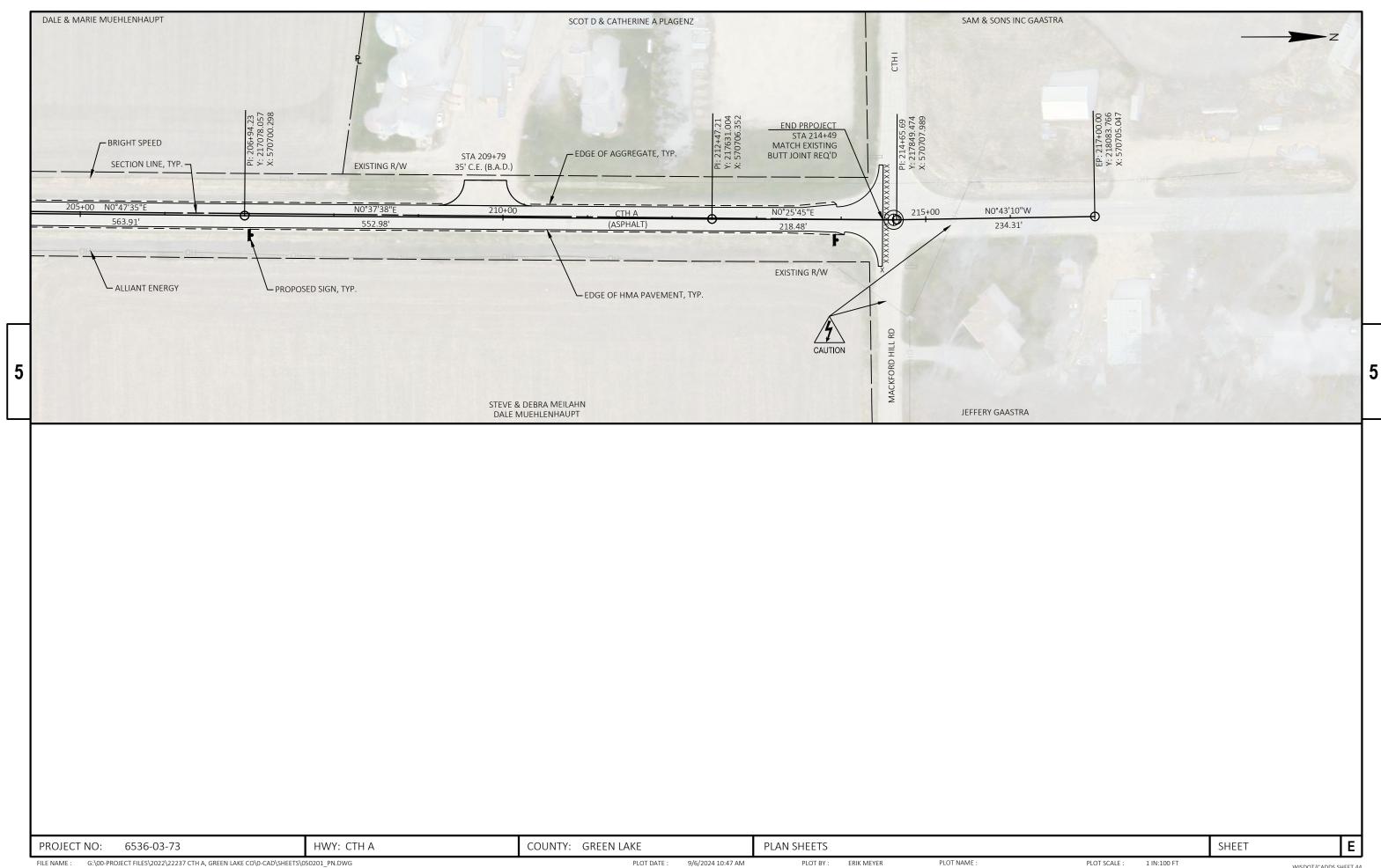












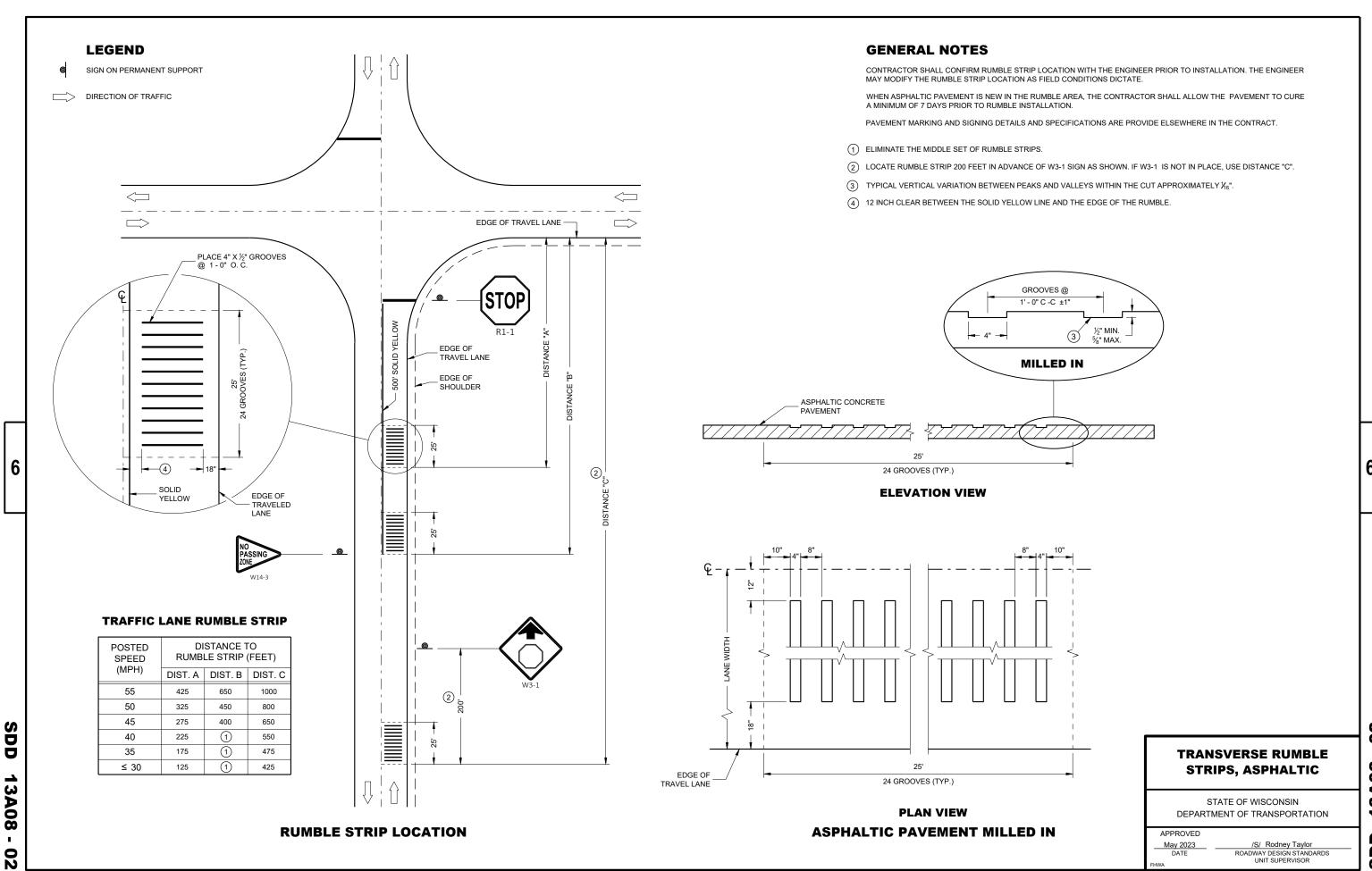
G:\00-PROJECT FILES\2022\22237 CTH A, GREEN LAKE CO\0-CAD\SHEETS\050201\_PN.DWG LAYOUT NAME - 050208\_pn WISDOT/CADDS SHEET 44

# Standard Detail Drawing List

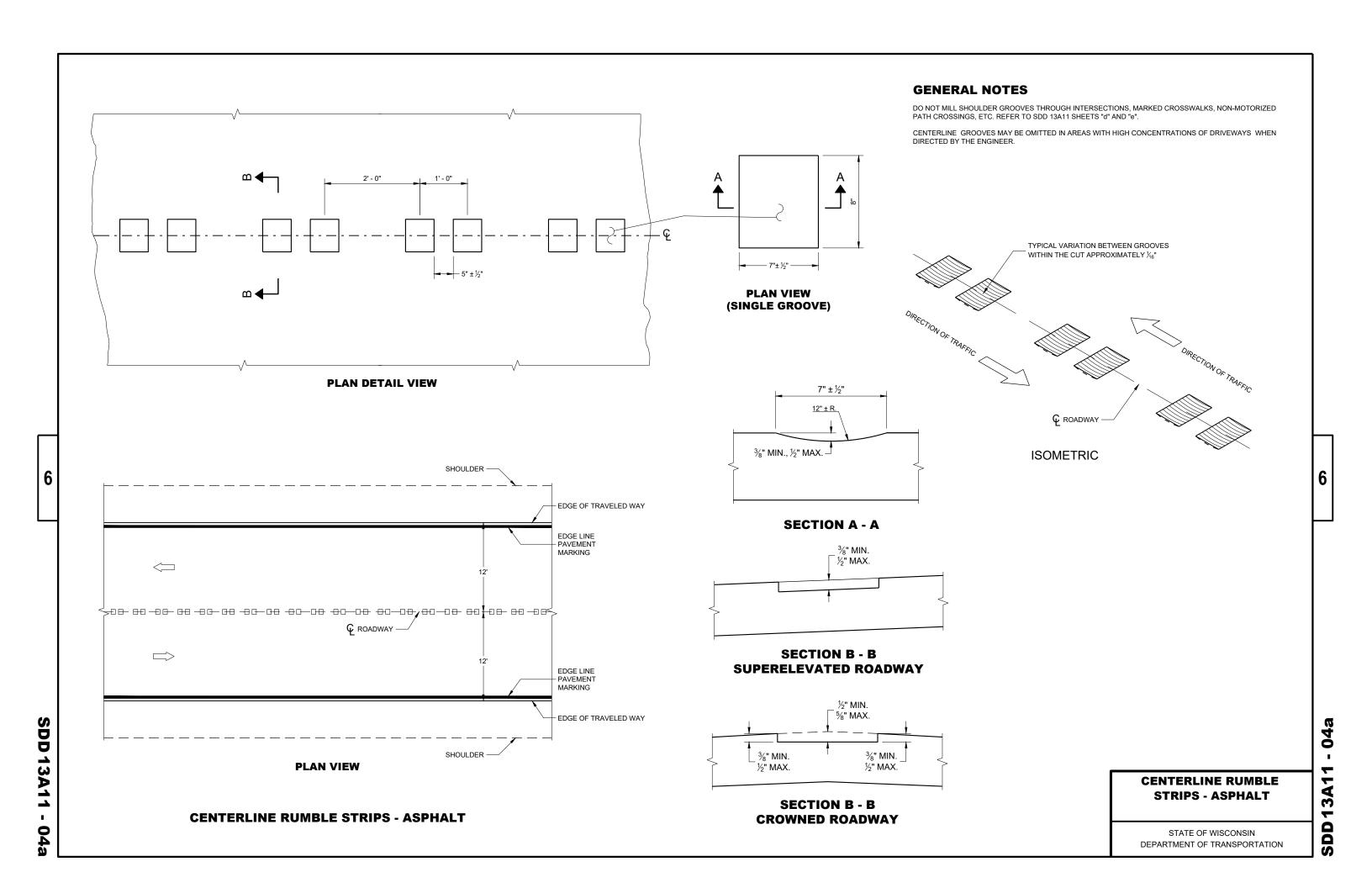
| 13A08-02  | TRANSVERSE RUMBLE STRIPS, ASPHALTIC  |
|-----------|--|
| 13A11-04A | CENTERLINE RUMBLE STRIPS - ASPHALT   |
| 13C19-03  | HMA LONGITUDINAL JOINTS  |
| 14B29-01  | SAFETY EDGE  |
| 15C02-09A | BARRICADES AND SIGNS FOR MAINLINE CLOSURES   |
| 15C02-09B | BARRICADES AND SIGNS FOR VARIOUS CLOSURES  |
| 15C03-05  | BARRICADES AND SIGNS FOR SIDEROAD CLOSURES   |
| 15C04-05  | TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC |
| 15C08-23A | PERMANENT LONGITUDINAL PAVEMENT MARKINGS   |
| 15C08-23B | TEMPORARY LONGITUDINAL PAVEMENT MARKING  |
| 15C12-09A | TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION   |
| 15C33-05  | STOP LINE AND CROSSWALK PAVEMENT MARKING   |
| 15C35-06A | PAVEMENT MARKING (INTERSECTIONS)   |
|           |  |
|           |  |

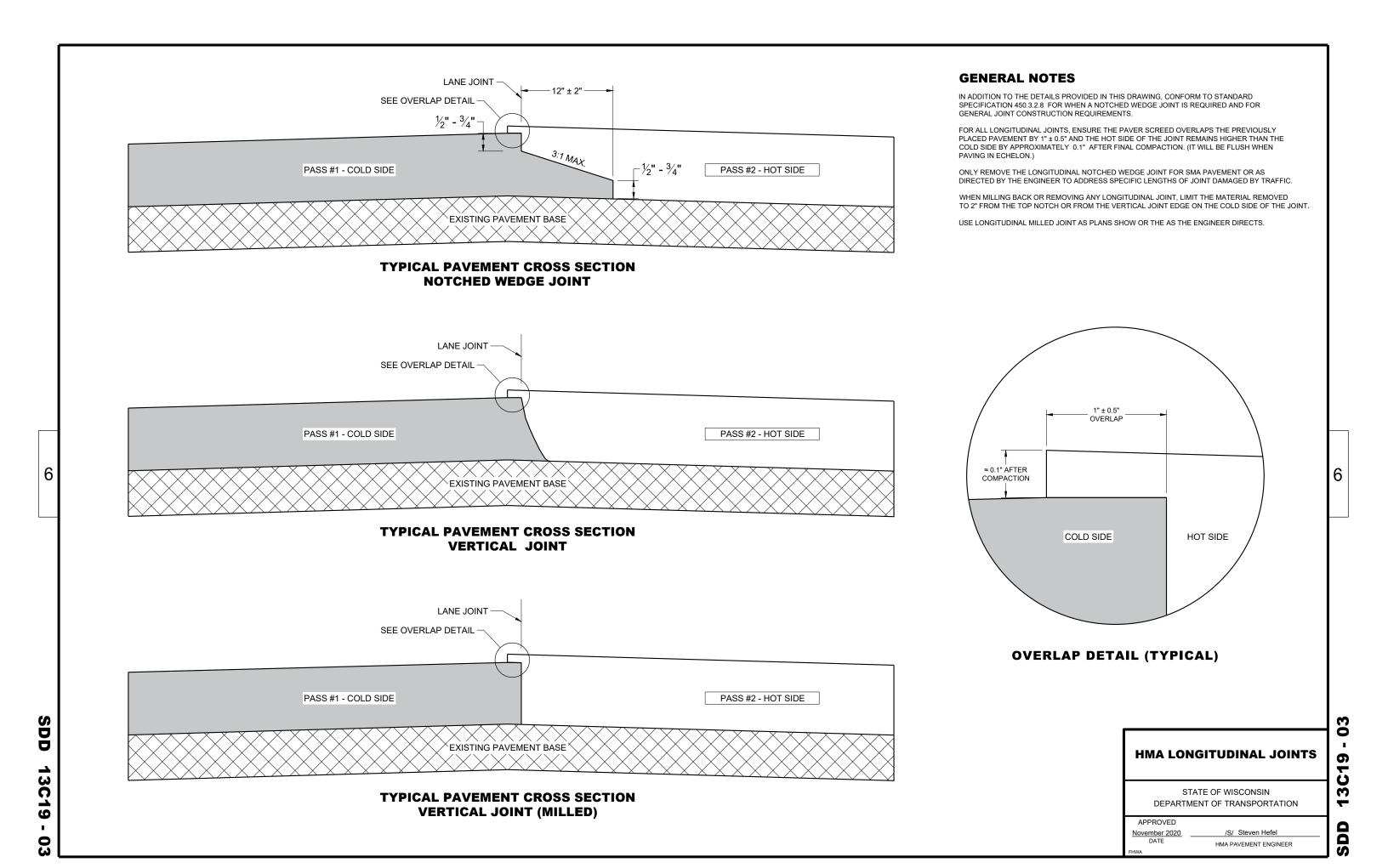
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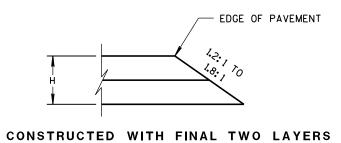
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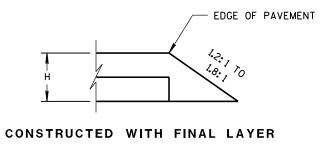


D 13A08 - 02



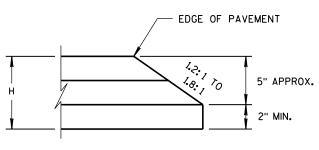




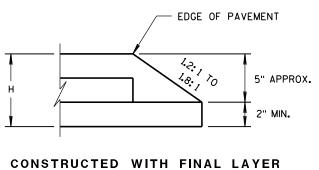


FOR H 5" OR LESS

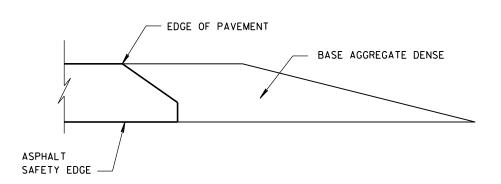
FOR H 5" OR LESS







FOR H GREATER THAN 5"



HMA PAVEMENT AND HMA OVERLAYS

FINISHED SHOULDER AGGREGATE PLACEMENT

SAFETY EDGE SM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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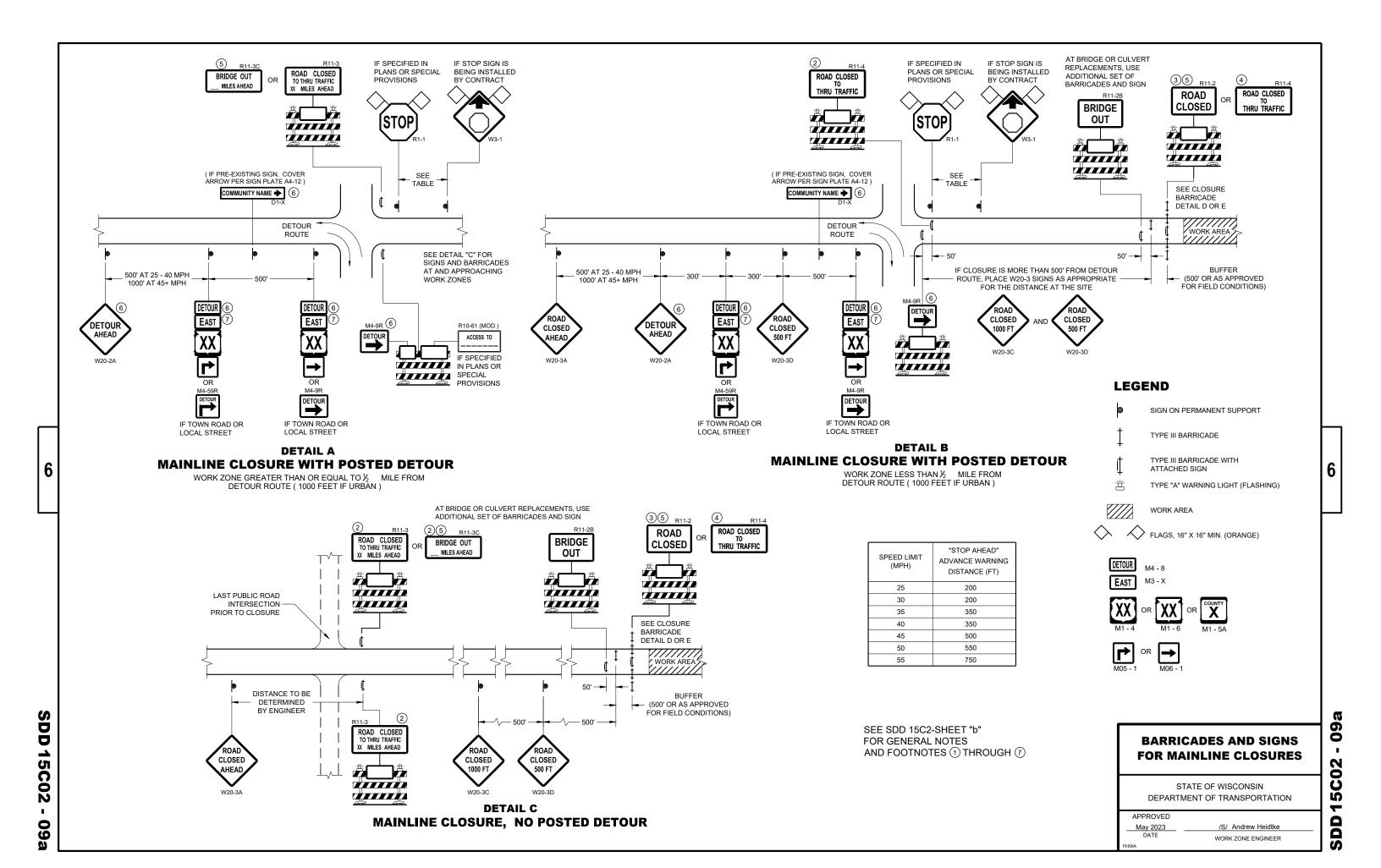
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APPROVED

DATE ROADWAY STANDARDS DEVELOPMENT ENGINEER

6



TWO- WAY

TYPE "A" WARNING

LIGHTS REQUIRED

12" MAX. →

# TWO-WAY TYPE "A" WARNING LIGHTS REQUIRED ROAD CLOSED TO THRU TRAFFIC ROAD CLOSED TO THRU TRAFFIC ROAD CLOSED TO THRU TRAFFIC

BRIDGE

OUT

ROAD

**CLOSED** 

RAMP

**CLOSED** 

### DETAIL E LANE CLOSURE BARRICADE DETAIL APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

#### **GENERAL NOTES**

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:

R11 - 2 SHALL BE 48" X 30"

R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"

M4 - 9 SHALL BE 30" X 24"

M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)

M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)

M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)

MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS) D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

R1 - 1 SHALL BE 36" X 36"

- 1 TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.
- (2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.
- (3) FOR ROAD CLOSURE <u>WITHOUT</u> LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".
- (4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".
- (5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 2 AND R11 3 SIGNS.
- (6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.
- (7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

#### BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

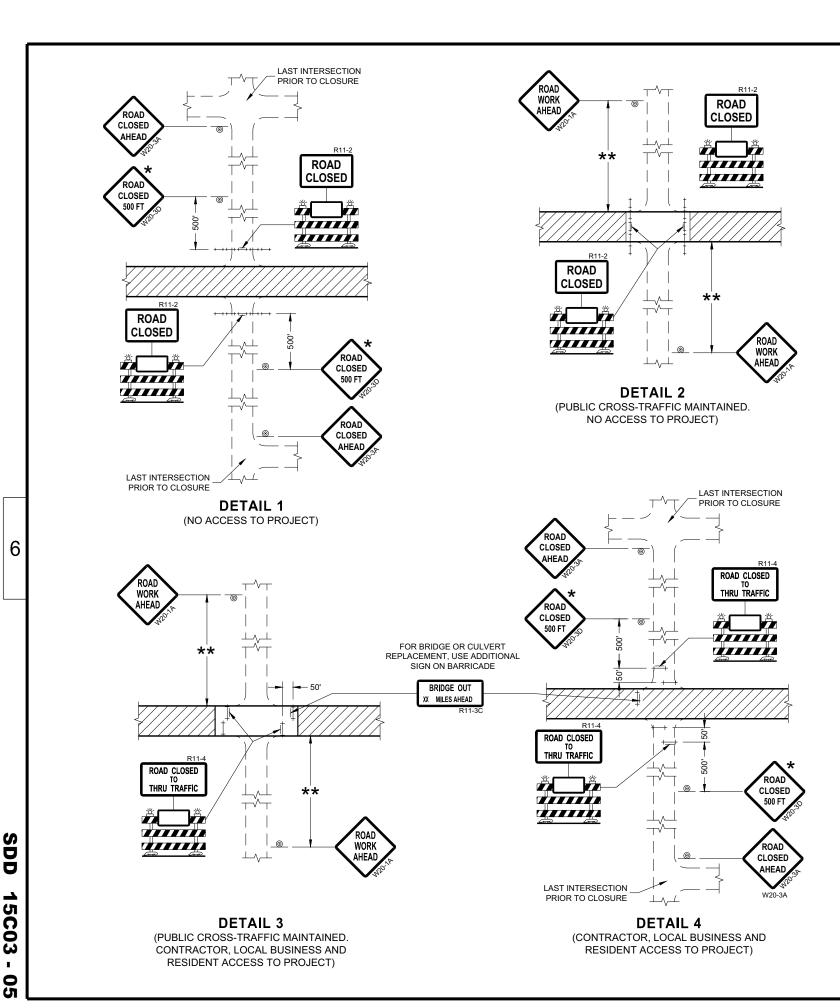
APPROVED May 2023

May 2023 /S/ Andrew Heidtke

DATE WORK ZONE ENGINEER

015C02 -

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#### **GENERAL NOTES**

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE (500 FEET DESIRABLE) TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW: R11-2 SHALL BE 48" X 30". R11-4 AND R11-3 SHALL BE 60" X 30".

- ★ OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.
- \*\* 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

#### LEGEND

SIGN ON PERMANENT SUPPORT

TYPE III BARRICADE

TYPE III BARRICADE WITH ATTACHED SIGN

TYPE "A" WARNING LIGHT (FLASHING)

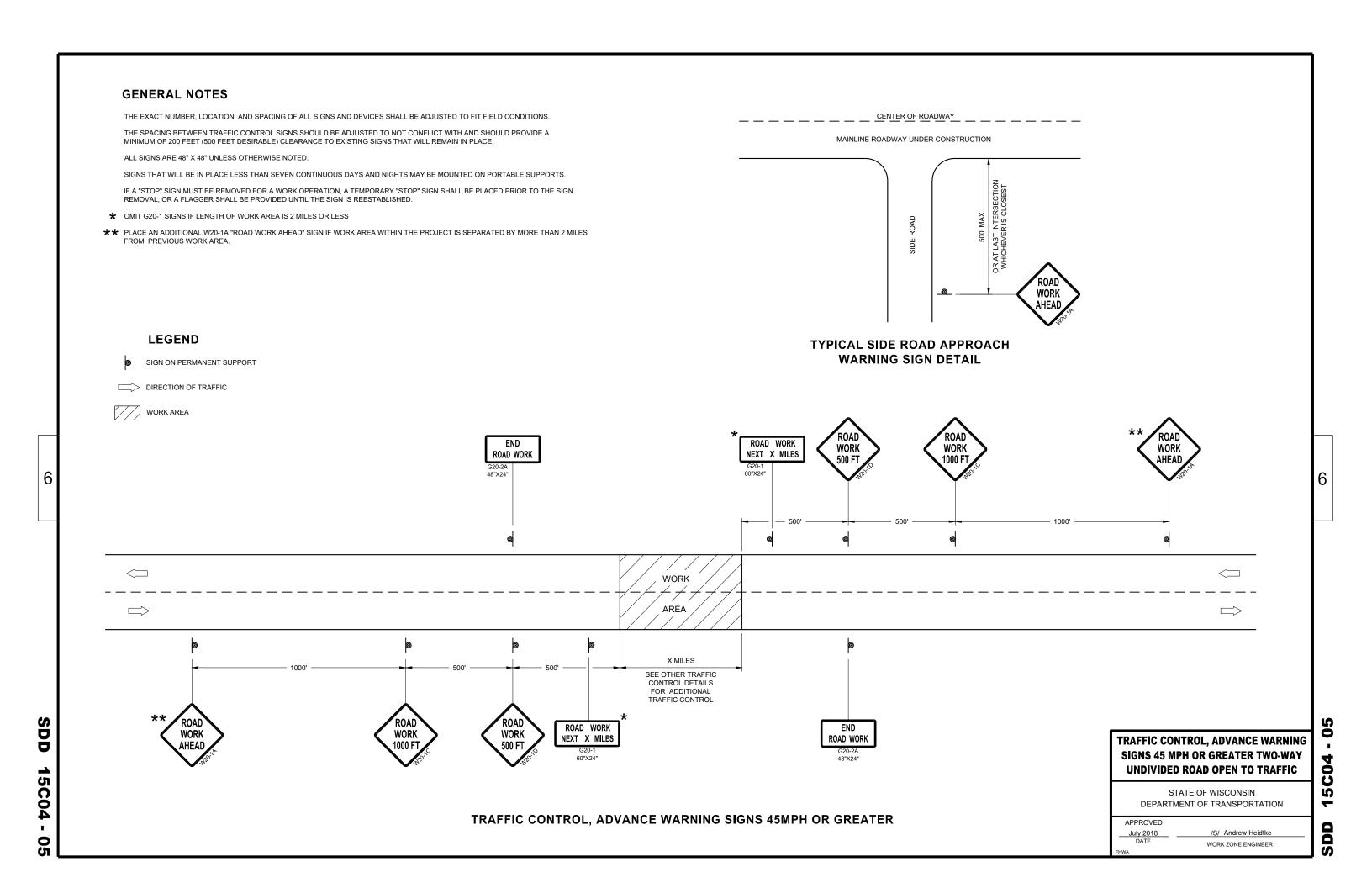
WORK AREA

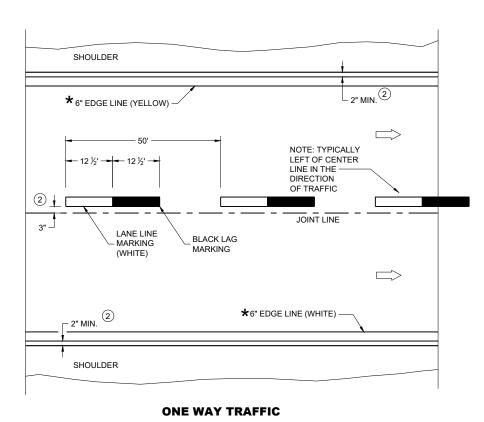
#### **BARRICADES AND SIGNS** FOR **SIDEROAD CLOSURES**

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED July 2018 DATE /S/ Andrew Heidtke WORK ZONE ENGINEER ŭ

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**PERMANENT PAVEMENT MARKING** 

#### **GENERAL NOTES**

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

- 1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING
- (2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

#### **LEGEND**

"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

PERMANENT LONGITUDINAL **PAVEMENT MARKINGS** 

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

May 2023 DATE

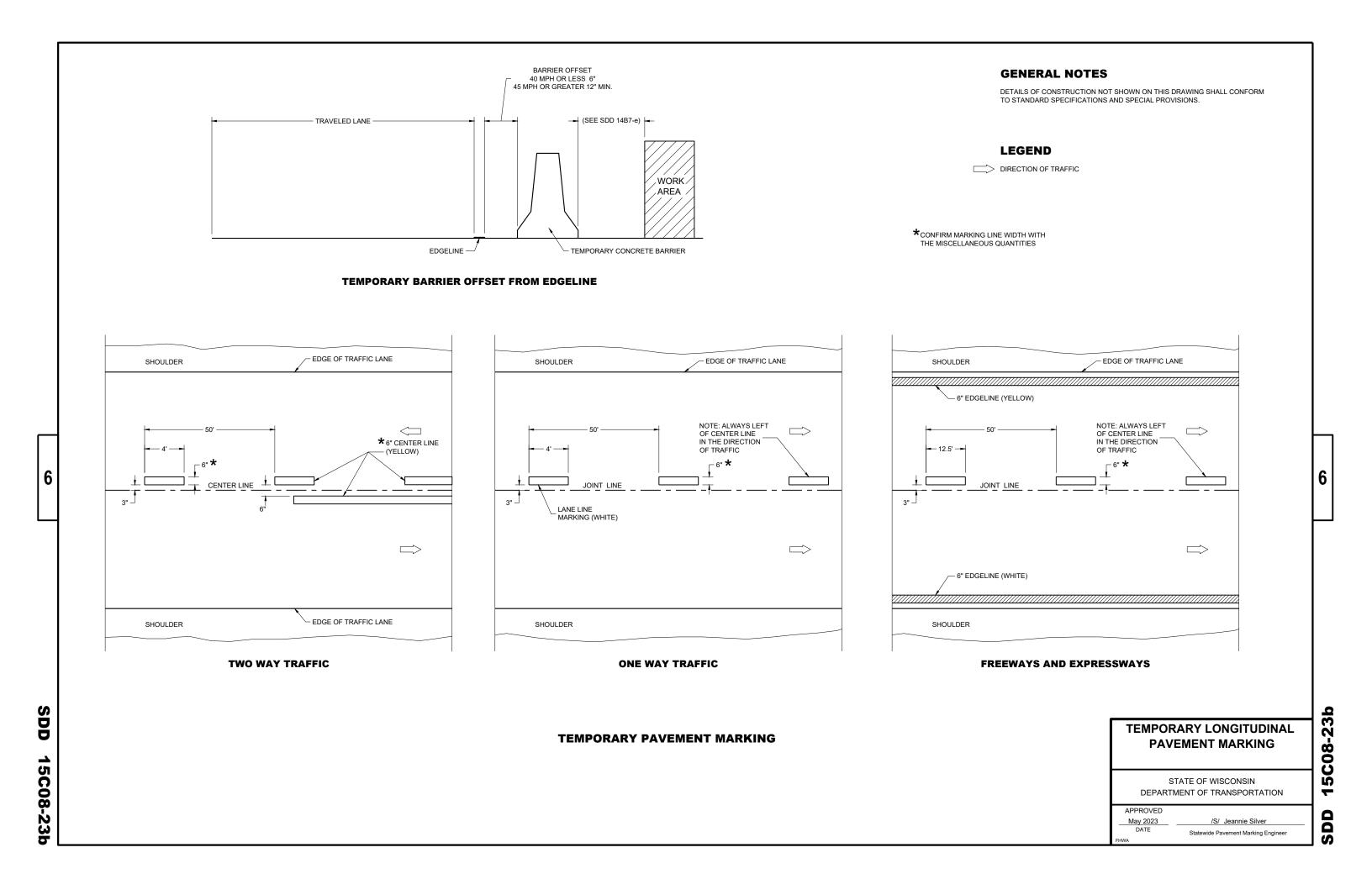
/S/ Jeannie Silver Statewide Pavement Marking Engineer

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SDD

C08-23 Ŋ SD

15C08-23a



RUMBLE

STRIPS

ROAD

WORK

#### **GENERAL NOTES FLAGGING LEGEND** DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY SIGN ON PORTABLE OR PERMANENT SUPPORT UNIFORM TRAFFIC CONTROL DEVICES. PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING. ① FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. TEMPORARY PORTABLE RUMBLE WORK OPERATION OR AS APPROVED BY THE ENGINEER. STRIP ARRAY "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE. (2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA. THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS, DEVICES, AND LOCATION OF ALL FLAGGERS SHALL BE DIRECTION OF TRAFFIC ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER. WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED. THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP WORK AREA **TEMPORARY PORTABLE RUMBLE STRIPS** WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS. TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED FLAGGER, EQUIPPED WITH STOP/SLOW ③ EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT PADDLE FASTENED ON SUPPORT STAFF THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST. INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS. PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS. DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS. SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE 5' MIN BE SPACING "A" SPEED LIMIT USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, PREPARED THIS SIGN SHALL BE LOCATED BETWEEN THE 25-30 MPH TO STOP W20-7A AND W20-4A SIGNS, USING SPACING "A". 35-40 MPH 350' STOP/SLOW PADDLE ŔUMBLĖ 45-55 MPH 500' WO3-4 WORK **ON SUPPORT STAFF** ROAD STRIPS 1 VARIABLE DISTANCE - 200' - 300' (TYP.) END ROAD WORK |||3 WORK AREA A/2 END ROAD WORK 200' - 300' (TYP.) VARIABLE DISTANCE

#### TRAFFIC CONTROL FOR LANE CLOSURE WITH **FLAGGING OPERATION**

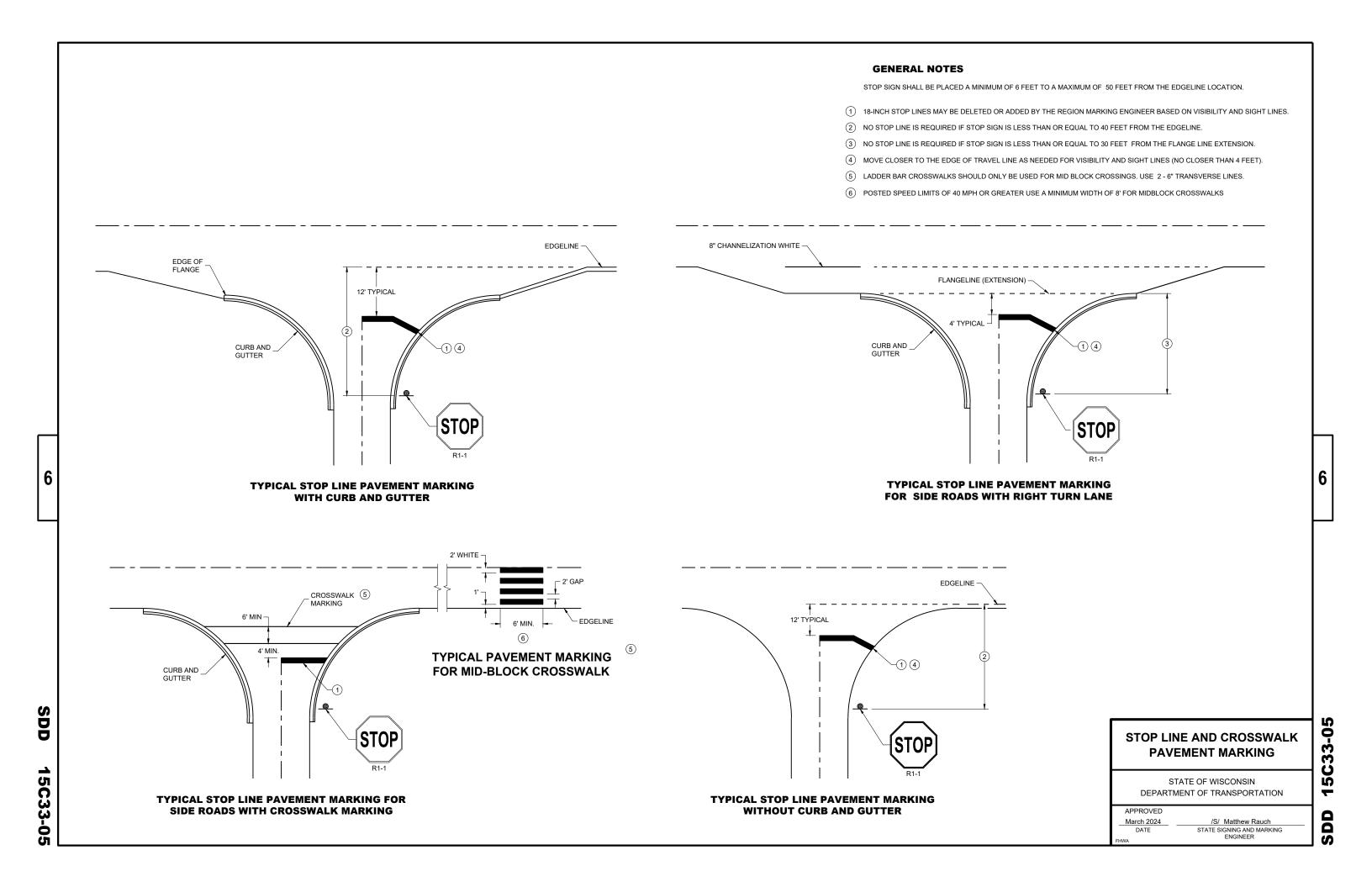
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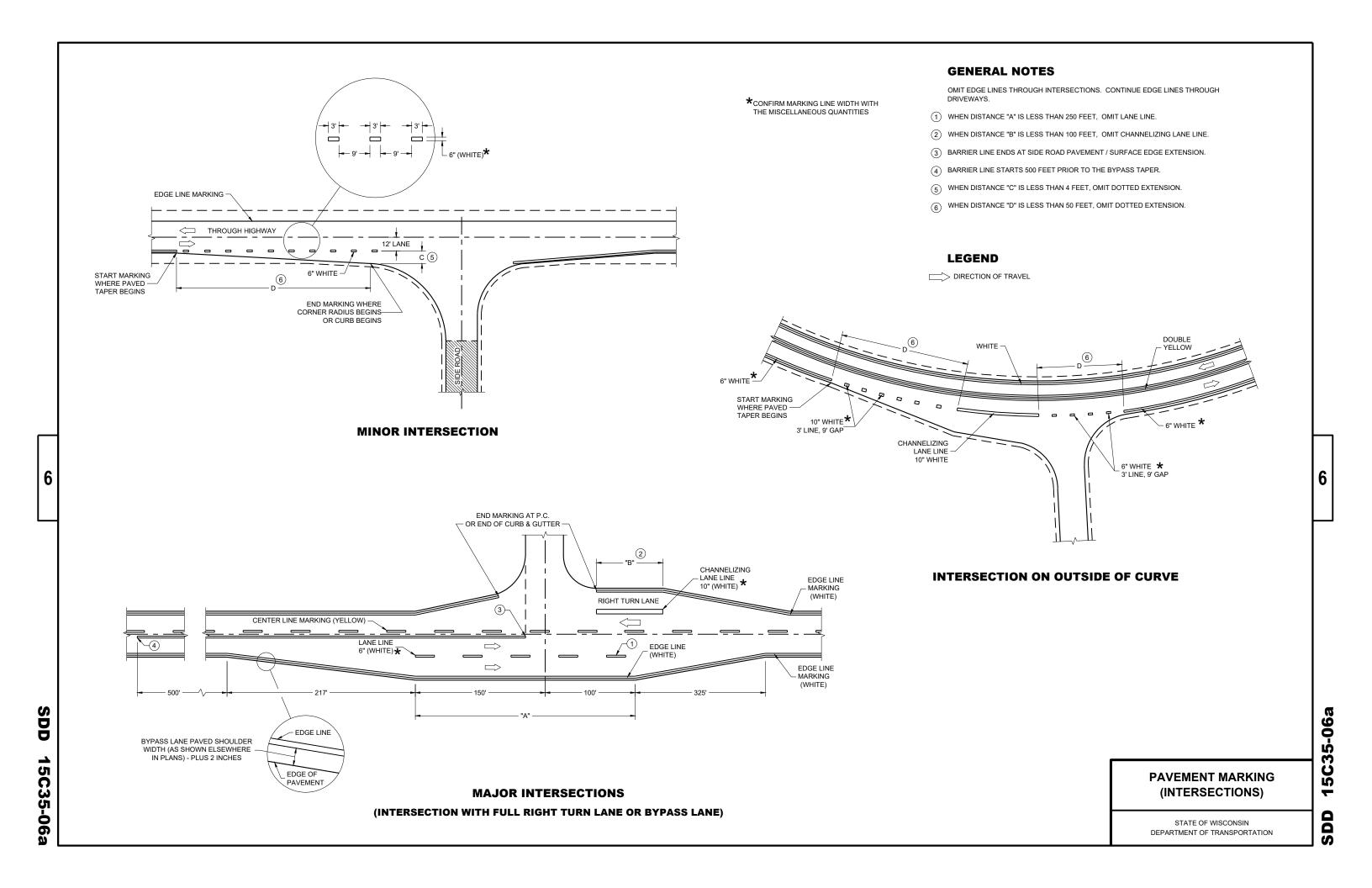
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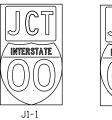
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

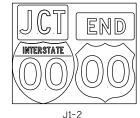
| APPROVED |                    |
|----------|--------------------|
| May 2022 | /S/ Andrew Heidtke |
| DATE     | WORK ZONE ENGINEER |

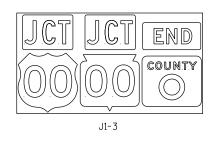




#### TYPICAL ASSEMBLIES









MISTIC

ROAD

JR99-1

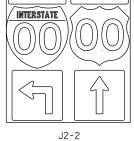


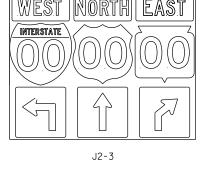
(Typical Vertical J-Assembly See Note 10 and 11)

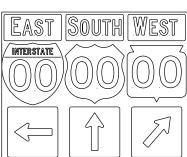




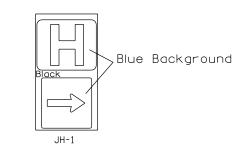
INTERSTATE



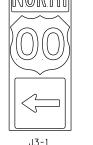




J3-3





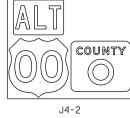




J4-1

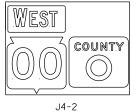
COUNTY

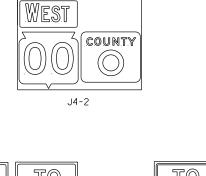
J13-1

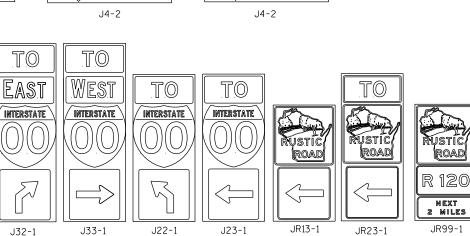


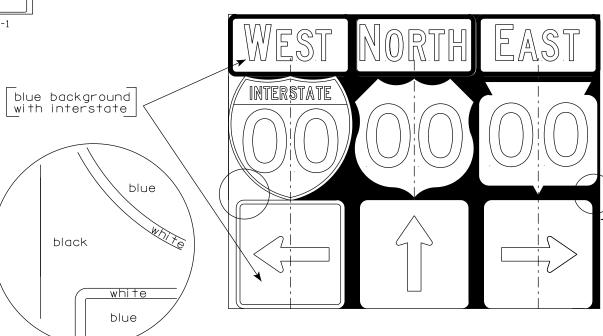
J3-2











NOTES

1. Signs are Type II - Type H Reflective

2. Color:

Background - Black Non-reflective Message - see Note 4

- 3. Message Series See Note 4
- 4. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
- 5. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
- 6. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
- 7. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
- 8. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
- 9. All Vertical J Assemblies are given a Sign Code of JV
- 10. For JV Assemblies that have a mixture of Interstate and Non-Interstate shields, arrows and cardinals shall be white on blue.
- 11. For JV Assemblies that have a mixture of Non-Interstate and Auto-Tour shields, arrows and cardinals shall be black on white.

black white black background

ROUTE MARKERS & COMPONENTS IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED For State Traffic Engineer

DATE 6/7/23

PLATE NO. <u>A2-1S.10</u> Ε SHFFT NO:

PROJECT NO:

FRONTAGE

ROAD

J12-1

PLOT NAME :





RURAL AREA (See Note 2)



#### GENERAL NOTES

- 1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
- 2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.

The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" ( $\pm$ ) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" ( $\pm$ ) 3".

- 3. For expressways and freeways, mounting height is 7'- 3"  $(\pm)$  3" or 6'-3"  $(\pm)$  3" depending upon existence of a sub-sign.
- 4. Minimum mounting height for signs mounted on traffic signal poles is  $5' 3'' (\stackrel{+}{-}) 3''$ .
- 5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 6. Folding signs shall be mounted at a height of 5'-3'' ( $\pm$ ) 3'' or as directd by the Engineer.

2' Min - 4' Max (See Note 5)



White Edgeline
Location

Outside Edge
of Gravel

POST EMBEDMENT DEPTH

| Area of Sign    |       |
|-----------------|-------|
| Installation    | D     |
| ( Sq.Ft.)       | (Min) |
| 20 or Less      | 4'    |
| Greater than 20 | 5'    |

The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

\* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

PLOT BY : mscj9h

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R Rawh

For State Traffic Engineer

DATE 12/6/23 PLATE NO. \_\_A4-3.23

Ε

PROJECT NO: HWY: COUNTY: SHEET NO:



NOTES: 1. ALL MATERIAL TO BE APPROVED

BY ENGINEER PRIOR TO INSTALLATION

- 2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
- 3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



#### **ELEVATION VIEW**

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

HWY:



#### PLAN VIEW

COUNTY:

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\A43B.DGN

PROJECT NO:

PLOT DATE: 27-JAN-2014 09:48

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 13.659812:1.000000

APPROVED

WISDOT/CADDS SHEET 42





2'Min - 4'Max (See Note 6)



|     | SIGN SHAPE OTHER THAN<br>(TWO POSTS REQUIRE) |      |
|-----|--|------|
|     | L  | E    |
| *** | Greater than 48"<br>Less than 60"            | 12'' |
|     | 60" to 108"                                  | L/5  |

HWY:

| SIGN SHAPE OTHER THAN        | DIAMOND |
|------------------------------|---------|
| (THREE POSTS REQUIR          | RED)    |
| L                            | Е       |
| Greater than 108"<br>to 144" | 12''    |

#### GENERAL NOTES

- 1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
- 2. See tables below for required number of posts.
- 3. For expressways and freeways, mounting height is 7'-3" (±) 3" or 6'-3" (±) 3" depending upon existence of sub-sign.
- 4. The (±) tolerance for mounting height is 3 inches.
- 5. J-Assemblies are considered to be one sign for mounting height.
- 6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 7. Folding signs shall be mounted at a height of 5'-3'' ( $\pm$ ) 3'' or as directed by the engineer.
- 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±) 3".
- \* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.
- \*\* The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.
- $\times \times \times$  See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

#### POST EMBEDMENT DEPTH

|                 | ı     |
|-----------------|-------|
| Area of Sign    |       |
| Installation    | D     |
| ( Sq. Ft.)      | (Min) |
| 20 or Less      | 4'    |
| Greater than 20 | 5'    |

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch
For State Traffic Engineer

DATE 12/6/23

PLATE NO. <u>A4-4.16</u>

Ε

CUEET NO.

SHEET NO:

FILE NAME : C:\CAEfiles\Project\tr\_stdplate\A44.dgn

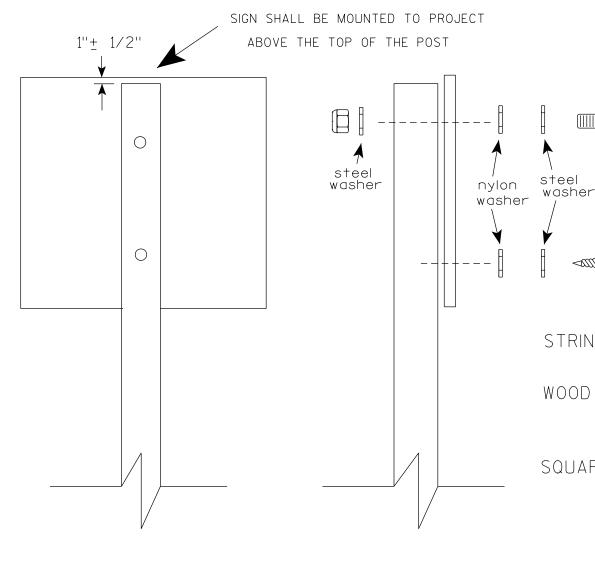
PROJECT NO:

COUNTY:

PLOT DATE: 6-DEC 2023 11:31

PLOT NAME :

PLOT BY : mscj9h



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either:

- a. Hot dip galvanized in accordance with ASTM Designation: A 153. Class D. or SC 3
- b. Electro-galvanized in accordance with ASTM Designation: B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS -  $\frac{5}{16}$ " X 1-3/4" Length w/ lock nuts

WOOD POSTS  $(4'' \times 6'')$ 

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN) 3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN) 3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 1/32 " (6605-9-6) BULB-TITE. TRI-FOLD. ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X  $\frac{3}{8}$ " I.D. X  $\frac{1}{16}$ " STEEL 1-1/4" O.D. X  $\frac{3}{8}$ " I.D. X .080 NYLON

Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq.ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

APPROVED

DATE 4/1/2020

PLATE NO. <u>A4-8.9</u>

FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\A48.DGN

PROJECT NO:

PLOT DATE: 01-APRIL-2020

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

Ε

WISCONSIN DEPT OF TRANSPORTATION

Matther ≠or State Traffic Engineer

SHEET NO:



PROJECT NO: HWY: COUNTY: SHEET NO: FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\A49.DGN PLOT DATE: 05-FEB-2015 17:09 PLOT BY: mscsja PLOT NAME : PLOT SCALE: 13.659812:1.000000

DATE 2/05/15

PLATE NO. <u>A4-9.9</u>

For State Traffic Engineer



#### BANDING



SINGLE SIGN





# WASHER PLACEMENT



HWY:

WASHERS (ALL POSTS) -

1-1/4" O.D. X<sup>3</sup>/<sub>8</sub>" I.D. X<sup>1</sup>/<sub>16</sub>" STEEL 1-1/4" O.D.  $\times \frac{3}{8}$ " I.D.  $\times$  .080 NYLON FOR ALL TYPE H SIGNS

CHANNEL

#### GENERAL NOTES

- 1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
- 2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
- 3. Banding and assembly bracket shall be stainless steel. All bands shall be  $\frac{3}{4}$ " in width and 0.025" thickness.
- 4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
  - a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
  - b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

#### "J" ASSEMBLY



STANDARD SIGN SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

DATE 6/10/19

PLATE NO. A5-9.4

Ε

State Traffic Engineer

COUNTY:

PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

PROJECT NO:

31/2"

VIEW FROM TOP

#### GENERAL NOTES

- 1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WISDOT STANDARD SPECIFICATIONS
- 2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL,  $\frac{3}{4}$ " WIDTH AND 0.025" THICKNESS
- 3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS.

  SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
- 4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
- 5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
  - a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
  - b. Electro-galvanized in accordance with ASTM Designation: B 633, TYPE III, SC 3
- 6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
- 7. STEEL WASHERS SHALL BE  $1^{1}/_{4}$ " O.D. X  $3/_{8}$ " I.D. X  $1/_{16}$ "
- 8. NYLON WASHERS SHALL BE  $1^{1}/_{4}$ " O.D. X  $3/_{8}$ " I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

 $\rightarrow$  LAG BOLTS SHALL BE  $\frac{3}{8}$ " X  $\frac{2}{2}$ "

BLOCK BANDING DETAIL ( V-BLOCK OPTION )

WISCONSIN DEPT OF TRANSPORTATION

APPROVED //

DATE 4/19/2022 PLATE NO. \_A5-10.3

ATE 4/19/2022 PLATE NO. \_

SHEET NO:

SIGN

FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\A510.dgn

PROJECT NO:

PLOT DATE: 19-APRIL 2022 11:55

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

Ε

#### NOTES

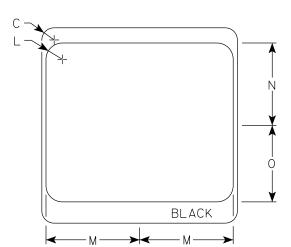
- 1. Sign is Type II Type H Reflective
- 2. Color:

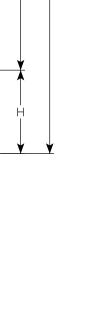
Background - White & Black Message - Black

- 3. Message Series see Note 4
- 4. Message Series E for 1 letter.

  Message Series D for 2 letters unless
  message is too big then Series C.

  Message Series C for 3 letters unless
  message is too big then Series B.
- 5. Substitute appropriate letters & optically center to achieve proper balance.

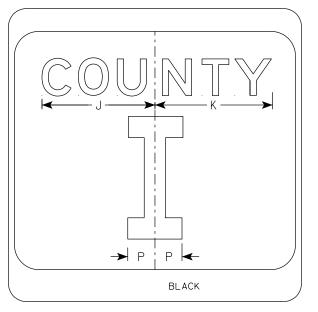


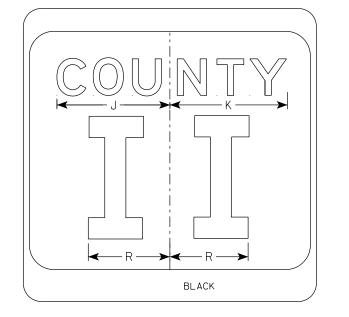


BLACK

HWY:

M1-5A





| SIZE | А  | В | С     | D | E | F  | G | Н     | I     | J      | K      | L | М      | N      | 0     | Р     | Q | R     | S | Т | U | V | W | Χ | Y | Z | Area<br>sq. ft. |
|------|----|---|-------|---|---|----|---|-------|-------|--------|--------|---|--------|--------|-------|-------|---|-------|---|---|---|---|---|---|---|---|-----------------|
| 1    |    |   |       |   |   |    |   |       |       |        |        |   |        |        |       |       |   |       |   |   |   |   |   |   |   |   |                 |
| 2    | 24 |   | 1 1/2 |   |   | 10 | 3 | 5 1/8 | 4 1/8 | 9 1/4  | 9 5/8  | 2 | 11 1/2 | 10 1/8 | 9 3/8 | 2 1/4 |   | 6 5/8 |   |   |   |   |   |   |   |   | 4.0             |
| 2M   | 24 |   | 1 1/2 |   |   | 10 | 3 | 5 1/8 | 4 1/8 | 9 1/4  | 9 %    | 2 | 11 1/2 | 10 1/8 | 9 3/8 | 2 1/4 |   | 6 5/8 |   |   |   |   |   |   |   |   | 4.0             |
| 3    | 36 |   | 2 1/4 |   |   | 16 | 4 | 7 5/8 | 5 5/8 | 12 1/4 | 12 1/8 | 3 | 17 1/8 | 15 1/4 | 14    | 3 3/8 |   | 10    |   |   |   |   |   |   |   |   | 9.0             |
| 4    | 36 |   | 2 1/4 |   |   | 16 | 4 | 7 5/8 | 5 5/8 | 12 1/4 | 12 1/8 | 3 | 17 1/8 | 15 1/4 | 14    | 3 3/8 |   | 10    |   |   |   |   |   |   |   |   | 9.0             |
| 5    | 36 |   | 2 1/4 |   |   | 16 | 4 | 7 5/8 | 5 5/8 | 12 1/4 | 12 1/8 | 3 | 17 1/8 | 15 1/4 | 14    | 3 3/8 |   | 10    |   |   |   |   |   |   |   |   | 9.0             |

COUNTY:

CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

For State Traffic Engineer

DATE 11/8/2022

PLATE NO. <u>M1-5A.9</u>

FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\M15A.dgn

PROJECT NO:

PLOT DATE: 8-NOV 2022 8:26

PLOT BY : dotc4c

PLOT NAME :

#### <u>NOTES</u>

- 1. Sign is Type II Type H Reflective
- 2. Color:

Background - See note 5 Message - See note 5

- 3. Message Series C
- 4. M2-1 Background White

Message - Black

MB2-1 Background - Blue

Message - White

MK2-1 Background - Green

Message - White

MM2-1 Background - White

Message - Green

MN2-1 Background - Brown

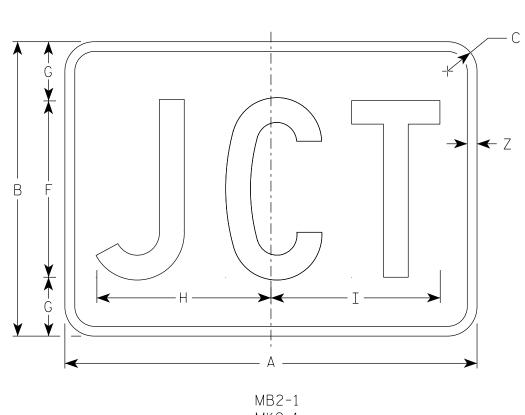
Message - White

MP2-1 Background - White

Message - Blue

MR2-1 Background - Brown

Message - Yellow



MK2-1

MN2-1

MR2-1

| SIZE | Α  | В  | С     | D   | E   | F  | G | Н      | I      | J | K | L | М | N | 0 | Р | Q | R | S | Т | U | ٧ | W | Х | Y | Z   | Area<br>sq. ft. |
|------|----|----|-------|-----|-----|----|---|--------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|-----------------|
| 1    |    |    |       |     |     |    |   |        |        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     |                 |
| 25   | 21 | 15 | 1 1/2 | 3/8 | 3/8 | 9  | 3 | 8 1/8  | 8 %    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1/2 | 2.20            |
| 2M   | 21 | 15 | 1 1/2 | 3/8 | 3/8 | 9  | 3 | 8 1/8  | 8 %    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1/2 | 2.20            |
| 3    | 30 | 21 | 1 1/2 | 3/8 | 3/8 | 13 | 4 | 12 1/8 | 12 3/8 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1/2 | 4.40            |
| 4    | 30 | 21 | 1 1/2 | 3/8 | 3/8 | 13 | 4 | 12 7/8 | 12 3/8 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1/2 | 4.40            |
| 5    | 30 | 21 | 1 1/2 | 3/8 | 3/8 | 13 | 4 | 12 1/8 | 12 3/8 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1/2 | 4.40            |

COUNTY:

В

STANDARD SIGN

M2 - 1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther K Rauch
Fortate Traffic Engineer

SHEET NO:

DATE 2/8/2023

PLATE NO. <u>M2-1.14</u>

Ε

FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\_M21.dgn

PROJECT NO:

M2-1

HWY:

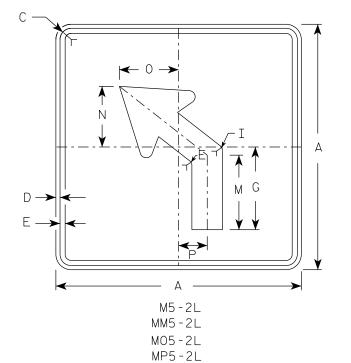
MM2-1 MP2-1

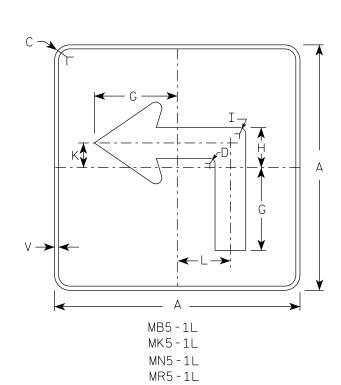
PLOT DATE: 28-MARCH 2023 8:20

PLOT BY : dotc4c

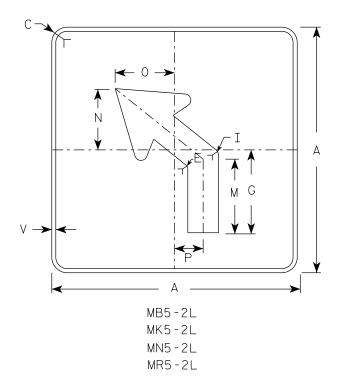
PLOT NAME :

# M5-1L MM5-1L M05-1L MP5-1L





HWY:



#### NOTES

- 1. Signs are Type II Type H reflective except as shown

Background - See note 4 Message - See note 4

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- M5-1 and M5-2 Background White Message – Black

MB5-1 and MB5-2 Background - Blue

Message - White

MK5-1 and MK5-2 Background - Green

Message - White

MM5-1 and MM5-2 Background - White

Message - Green

MN5-1 and MN5-2 Background - Brown

Message - White

M05-1 and M05-2 Background - Orange - Type F Reflective

Message - Black

MP5-1 and MP5-2 Background - White

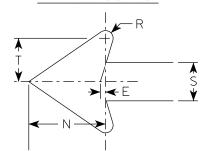
Message - Blue

MR5-1 and MR5-2 Background - Brown

Message - Yellow

- 5. M5-1R same as M5-1L except arrow points right.
- 6. M5-2R same as M5-2L except arrow tilts right.

#### ARROW DETAIL



| 1    |    |   |       |     |     |   |        |       |     |   |       |       |       |       |       |       |   |     |       |       |     |   |   |   |   |                 |
|------|----|---|-------|-----|-----|---|--------|-------|-----|---|-------|-------|-------|-------|-------|-------|---|-----|-------|-------|-----|---|---|---|---|-----------------|
| SIZE | Α  | В | С     | D   | E   | F | G      | Н     | Ι   | J | K     | L     | М     | N     | 0     | Р     | Q | R   | S     | Т     | V   | W | X | Y | Z | Area<br>sq. ft. |
| 1    |    |   |       |     |     |   |        |       |     |   |       |       |       |       |       |       |   |     |       |       |     |   |   |   |   |                 |
| 25   | 21 |   | 1 1/2 | 3/8 | 3/8 |   | 7      | 3 3/8 | 5/8 |   | 2 1/8 | 4 1/2 | 6 3/8 | 5 1/4 | 5     | 2 1/2 |   | 1/2 | 2     | 3     | 1/2 |   |   |   |   | 3.06            |
| 2M   | 21 |   | 1 1/2 | 3/8 | 3/8 |   | 7      | 3 3/8 | 5/8 |   | 2 1/8 | 4 1/2 | 6 3/8 | 5 1/4 | 5     | 2 1/2 |   | 1/2 | 2 5/8 | 3     | 1/2 |   |   |   |   | 3.06            |
| 3    | 30 |   | 1 1/8 | 1/2 | 5/8 |   | 10 1/8 | 4 7/8 | 7/8 |   | 3     | 6 1/2 | 9 1/8 | 7 1/2 | 7 1/4 | 3 1/2 |   | 3/4 | 3 3/4 | 4 1/4 | 1/2 |   |   |   |   | 6.25            |
| 4    | 30 |   | 1 1/8 | 1/2 | 5/8 |   | 10 1/8 | 4 1/8 | 7/8 |   | 3     | 6 1/2 | 9 1/8 | 7 1/2 | 7 1/4 | 3 1/2 |   | 3/4 | 3 3/4 | 4 1/4 | 1/2 |   |   |   |   | 6.25            |
| 5    | 30 |   | 1 1/8 | 1/2 | 5/8 |   | 10 1/8 | 4 7/8 | 7/8 |   | 3     | 6 1/2 | 9 1/8 | 7 1/2 | 7 1/4 | 3 1/2 |   | 3/4 | 3 3/4 | 4 1/4 | 1/2 |   |   |   |   | 6.25            |

COUNTY:

STANDARD SIGN M5 - 1 & M5 - 2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Forstate Traffic Engineer

DATE 2/13/2023 PLATE NO. M5-1.15

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\_M51.dgn

PROJECT NO:

PLOT DATE: 13-FEB 2023 10:05

PLOT BY : dotc4c

PLOT NAME :

- 1. Signs are Type II Type H Reflective except as Shown
- 2. Color:

Background - See note 4 Message - See note 4

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. M6-1 and M6-2 Background White Message - Black

MB6-1 and MB6-2 Background - Blue

Message - White

MK6-1 and MK6-2 Background - Green

Message - White

MM6-1 and MM6-2 Background - White

Message - Green

MN6-1 and MN6-2 Background - Brown

Message - White

M06-1 and M06-2 Background - Orange - Type F Reflective

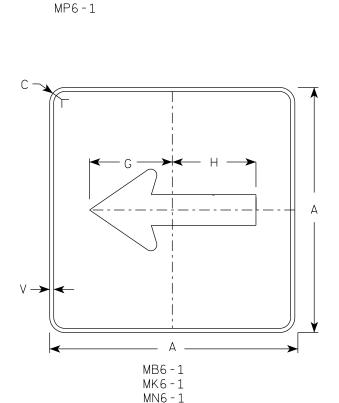
Message - Black

MP6-1 and MP6-2 Background - White

Message - Blue

MR6-1 and MR6-2 Background - Brown

Message - Yellow



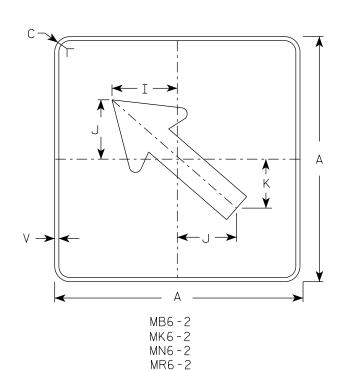
MR6-1

HWY:

M6 - 1

MM6 - 1

M06-1



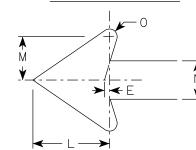
M6-2

MM6 - 2

MO6-2

MP6-2

ARROW DETAIL



| SIZE | . Α  | В | С     | D   | E   | F | G      | Н      | I   | J     | K     | L     | М     | N     | 0   | Р | Q | R | S | Т | U | V   | W | Х | Y | Z | Area<br>sq. ft. |
|------|------|---|-------|-----|-----|---|--------|--------|-----|-------|-------|-------|-------|-------|-----|---|---|---|---|---|---|-----|---|---|---|---|-----------------|
| 1    |      |   |       |     |     |   |        |        |     |       |       |       |       |       |     |   |   |   |   |   |   |     |   |   |   |   |                 |
| 25   | 1 21 |   | 1 1/2 | 3/8 | 3/8 |   | 7 1/2  | 7 1/8  | 5 % | 5     | 4 1/4 | 5 1/4 | 3     | 2 5/8 | 1/2 |   |   |   |   |   |   | 1/2 |   |   |   |   | 3.06            |
| 2M   | 21   |   | 1 1/2 | 3/8 | 3/8 |   | 7 1/2  | 7 1/8  | 5 % | 5     | 4 1/4 | 5 1/4 | 3     | 2 5/8 | 1/2 |   |   |   |   |   |   | 1/2 |   |   |   |   | 3.06            |
| 3    | 30   | ) | 1 1/8 | 1/2 | 5/8 |   | 10 ¾   | 10 1/4 | 8   | 7 1/4 | 6     | 7 1/2 | 4 1/4 | 3 3/4 | 3/4 |   |   |   |   |   |   | 1/2 |   |   |   |   | 6.25            |
| 4    | 30   | ) | 1 1/8 | 1/2 | 5/8 |   | 10 3/4 | 10 1/4 | 8   | 7 1/4 | 6     | 7 1/2 | 4 1/4 | 3 3/4 | 3/4 |   |   |   |   |   |   | 1/2 |   |   |   |   | 6.25            |
| 5    | 30   | ) | 1 1/8 | 1/2 | 5/8 |   | 10 ¾   | 10 1/4 | 8   | 7 1/4 | 6     | 7 1/2 | 4 1/4 | 3 3/4 | 3/4 |   |   |   |   |   |   | 1/2 |   |   |   |   | 6.25            |

COUNTY:

STANDARD SIGN M6-1 & M6-2 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED For State Traffic Engineer

DATE 2/13/2023 PLATE NO. M6-1.16 SHEET NO:

Ε

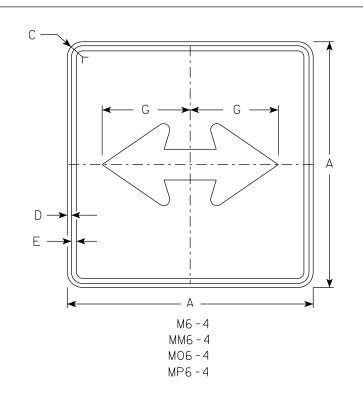
PLOT BY : dotc4c PLOT NAME :

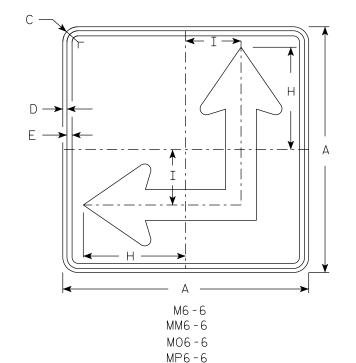
PLOT SCALE: \$\$.....plo†scale.....\$\$ WISDOT/CADDS SHEET 42

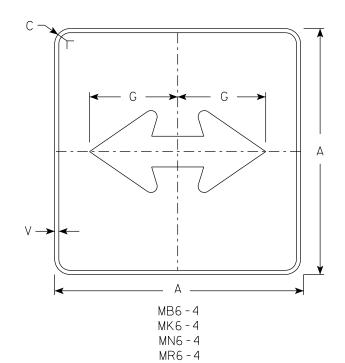
FILE NAME: C:\CAEfiles\Projects\tr\_stdplate\_M61.dgn

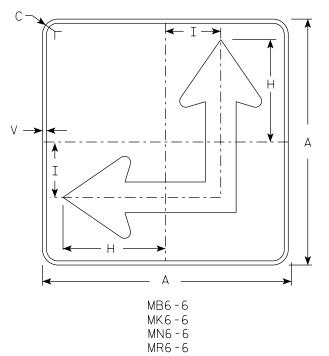
PROJECT NO:

PLOT DATE: 13-FEB 2023 1:30









#### NOTES

- 1. Signs are Type II Type H Reflective except as Shown
- 2. Color:

Background - See Note 4 Message - See Note 4

- 3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- 4. M6-4 and M6-6 Background White

Message - Black

MB6-4 and MB6-6 Background - Blue

Message - White

MK6-4 and MK6-6 Background - Green

Message - White

MM6-4 and MM6-6 Background - White

Message - Green

MN6-4 and MN6-6 Background - Brown

Message - White

M06-4 and M06-6 Background - Orange - Type F Reflective

Message - Black

MP6-4 and MP6-6 Background - White

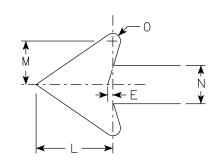
Message - Blue

MR6-4 and MR6-6 Background - Brown

Message - Yellow

5. M6-6R same as M6-6L except arrow points ahead and right.

#### ARROW DETAIL



| SIZE | Α  | В | С     | D   | E   | F | G      | Н      | I     | J | K | L     | М     | N     | 0   | Р | Q | R | S | Т | U | V   | W | X | Υ | Z | Area<br>sq. ft. |
|------|----|---|-------|-----|-----|---|--------|--------|-------|---|---|-------|-------|-------|-----|---|---|---|---|---|---|-----|---|---|---|---|-----------------|
| 1 1  |    |   |       |     |     |   |        |        |       |   |   |       |       |       |     |   |   |   |   |   |   |     |   |   |   |   |                 |
| 25   | 21 |   | 1 1/2 | 3/8 | 3/8 |   | 7 1/2  | 8 3/4  | 4 1/4 |   |   | 5 1/4 | 3     | 2 %   | 1/2 |   |   |   |   |   |   | 1/2 |   |   |   |   | 3.06            |
| 2M   | 21 |   | 1 1/2 | 3/8 | 3/8 |   | 7 1/2  | 8 3/4  | 4 1/4 |   |   | 5 1/4 | 3     | 2 5/8 | 1/2 |   |   |   |   |   |   | 1/2 |   |   |   |   | 3.06            |
| 3    | 30 |   | 1 7/8 | 1/2 | 5/8 |   | 10 3/4 | 12 1/2 | 6 3/4 |   |   | 7 1/2 | 4 1/4 | 3 3/4 | 3/4 |   |   |   |   |   |   | 1/2 |   |   |   |   | 6.25            |
| 4    | 30 |   | 1 7/8 | 1/2 | 5/8 |   | 10 3/4 | 12 1/2 | 6 3/4 |   |   | 7 1/2 | 4 1/4 | 3 3/4 | 3/4 |   |   |   |   |   |   | 1/2 |   |   |   |   | 6.25            |
| 5    | 30 |   | 1 1/8 | 1/2 | 5/8 |   | 10 3/4 | 12 1/2 | 6 3/4 |   |   | 7 1/2 | 4 1/4 | 3 3/4 | 3/4 |   |   |   |   |   |   | 1/2 |   |   |   |   | 6.25            |

COUNTY:

STANDARD SIGN M6-4 & M6-6 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED N

DATE 2/13/2023 PLATE NO. M6-4.11

SHEET NO:

HWY:

PLOT DATE: 13-FEB 2023 1:51

PLOT NAME :

PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

PROJECT NO:



- 1. Sign is Type II Type H Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

Background - Red Message - White

3. Message Series - C

| <b>*</b> |   |   |   |   |   |   |   | — А<br>— ;                              |    |   |   |       |   |   |   | <b></b> |   |   | <b>A</b> |   |
|----------|---|---|---|---|---|---|---|---|----|---|---|-------|---|---|---|---------|---|---|----------|---|
|          |   |   |   |   |   |   |   |   | H  |   |   | - G - |   |   |   |         |   |   | F        | A |
|          |   | E |   |   |   |   |   | <br> <br> <br> <br> <br> <br> <br> <br> | -1 |   |   | _//   |   |   |   |         |   |   |          | * |
| D        | E | F | G | н | I | J | К | L                                       | М  | N | 0 | Р     | 0 | R | S | Т       | U | V | W        | Х |

| SIZE | Α  | В | С | D | E   | F  | G      | Н   | I | J      | K | L | М | N | 0 | Р | 0 | R | S | T | U | ٧ | W | Х | Y | Z | Area<br>sq. ft. |
|------|----|---|---|---|-----|----|--------|-----|---|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| 1    | 30 |   |   |   | 5/8 | 10 | 12 1/2 | 45° |   | 12 3/4 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 5.18            |
| 2S   | 30 |   |   |   | 5/8 | 10 | 12 1/2 | 45° |   | 12 3/4 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 5.18            |
| 2M   | 36 |   |   |   | 3/4 | 12 | 15     | 45° |   | 15 3/8 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 7.46            |
| 3    | 36 |   |   |   | 3/4 | 12 | 15     | 45° |   | 15 3/8 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 7.46            |
| 4    | 48 |   |   |   | 1   | 16 | 20     | 45° |   | 20 1/2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 13.25           |
| 5    | 48 |   |   |   | 1   | 16 | 20     | 45° |   | 20 1/2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 13.25           |
| 6    | 18 |   |   |   | 3/8 | 6  | 7 3/4  | 45° |   | 7 3/4  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1.86            |
| 7    | 12 |   |   |   | 1/4 | 4  | 5      | 45° |   | 5 1/8  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 0.78            |

COUNTY:

STANDARD SIGN R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

For State Traffic Engineer

DATE <u>11/12/15</u>

PLATE NO. \_\_\_\_\_R1-1.13

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\R11.DGN

HWY:

PROJECT NO:

PLOT DATE: 22-AUG-2017 07:19

PLOT BY: \$\$...plotuser...\$\$ PLOT NAME:

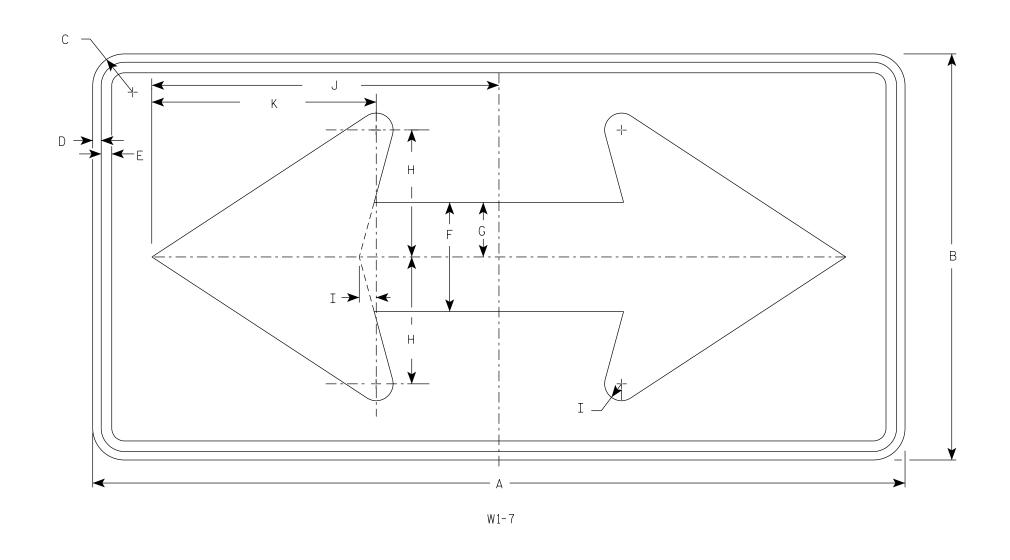
PLOT SCALE: 4.427909:1.000000

WISDOT/CADDS SHEET 42

1. Sign is Type II - Type F Reflective

2. Color:

Background - Yellow Message – Black



| SIZE | А  | В  | С     | D   | E   | F     | G     | Н     | I     | J        | K     | L | М | N | 0 | Р | Q | R | S | Т | U | V | W | X | Υ | Z | area<br>sq. ft. |
|------|----|----|-------|-----|-----|-------|-------|-------|-------|----------|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| 1    | 36 | 18 | 1 1/2 | 3/8 | 1/2 | 5     | 2 1/2 | 5 3/4 | 3/4   | 15 % 1   | 0 1/8 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4.5             |
| 25   | 48 | 24 | 1 1/8 | 1/2 | 5/8 | 6 1/2 | 3 1/4 | 7 1/2 | 1     | 20 1/2 1 | 3 1/4 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 8.0             |
| 2M   | 48 | 24 | 1 1/8 | 1/2 | 5/8 | 6 1/2 | 3 1/4 | 7 1/2 | 1     | 20 1/2 1 | 3 1/4 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 8.0             |
| 3    | 60 | 30 | 1 1/8 | 1/2 | 5/8 | 8     | 4     | 9 1/4 | 1 1/4 | 25 3/8 1 | 6 1/4 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 12.5            |
| 4    | 60 | 30 | 1 1/8 | 1/2 | 5/8 | 8     | 4     | 9 1/4 | 1 1/4 | 25 3/8 1 | 6 1/4 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 12.5            |
| 5    | 96 | 48 | 3     | 3/4 | 1   | 13    | 6 1/2 | 15    | 2     | 41 2     | 6 1/2 |   |   |   |   |   |   |   |   |   | · |   |   |   | · |   | 32.0            |

COUNTY:

For State Traffic Engineer DATE 5/10/2023 PLATE NO. W1-7.8

STANDARD SIGN W1 - 7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matther

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\W17.dgn

HWY:

PROJECT NO:

PLOT DATE: 10-MAY 2023 3:05

PLOT BY : dotc4c

PLOT NAME :



- 1. Sign is Type II Type F Reflective
- 2. Color:

Background - Yellow Message - Black

| A G F D |
|---------|
| W2-1    |

| SIZE | А  | В | С     | D   | Е   | F | G     | Н  | I      | J | K | L | М | N | 0 | Р | Q | R | S | Т | U | ٧ | W | X | Υ | Z | Area<br>sq. ft. |
|------|----|---|-------|-----|-----|---|-------|----|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| 1    | 24 |   | 1 1/2 | 3/8 | 1/2 | 4 | 2     | 20 | 10     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4.0             |
| 2S   | 30 |   | 1 1/8 | 1/2 | 5/8 | 5 | 2 1/2 | 25 | 12 1/2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 6.25            |
| 2M   | 30 |   | 1 1/8 | 1/2 | 5/8 | 5 | 2 1/2 | 25 | 12 1/2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 6.25            |
| 3    | 36 |   | 2 1/4 | 5/8 | 3/4 | 6 | 3     | 30 | 15     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 9.0             |
| 4    | 48 |   | 3     | 3/4 | 1   | 8 | 4     | 40 | 20     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 16.0            |
| 5    |    |   |       |     |     |   |       |    |        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |

STANDARD SIGN W2-1

WISCONSIN DEPT OF TRANSPORTATION

Matthew R

DATE 8/16/2023 PLATE NO. W2-1.10

PROJECT NO: HWY: COUNTY: SHEET NO: **E** 

PLOT DATE: 16-AUG 2023 3:30

FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\W21.dgn

PLOT BY : dotc4c

PLOT NAME :



- 1. Sign is Type II Type F Reflective
- 2. Color:

Background - Yellow

Message – Black

3. W2-2L same as W2-2R but is rotated 180° when mounted.

| A F G T H T D |
|---------------|
| W2-2R         |

| SIZE | А  | В | С     | D   | E   | F  | G     | Н | I      | J  | К | L | М | N | 0 | Р | Q | R | S | Т | U         | ٧ | W | X | Y | Z | Area<br>sq. ft. |
|------|----|---|-------|-----|-----|----|-------|---|--------|----|---|---|---|---|---|---|---|---|---|---|-----------|---|---|---|---|---|-----------------|
| 1    | 24 |   | 1 1/2 | 3/8 | 1/2 | 20 | 2     | 4 | 10     | 8  |   |   |   |   |   |   |   |   |   |   |           |   |   |   |   |   | 4.0             |
| 25   | 30 |   | 1 1/8 | 1/2 | 5/8 | 25 | 2 1/2 | 5 | 12 1/2 | 10 |   |   |   |   |   |   |   |   |   |   |           |   |   |   |   |   | 6.25            |
| 2M   | 30 |   | 1 1/8 | 1/2 | 5/8 | 25 | 2 1/2 | 5 | 12 1/2 | 10 |   |   |   |   |   |   |   |   |   |   |           |   |   |   |   |   | 6.25            |
| 3    | 36 |   | 2 1/4 | 5/8 | 3/4 | 30 | 3     | 6 | 15     | 12 |   |   |   |   |   |   |   |   |   |   |           |   |   |   |   |   | 9.0             |
| 4    | 48 |   | 3     | 3/4 | 1   | 40 | 4     | 8 | 20     | 16 |   |   |   |   |   |   |   |   |   |   |           |   |   |   |   |   | 16.0            |
| 5    |    |   |       |     |     |    |       |   |        |    |   |   |   |   |   |   |   |   |   |   |           |   |   |   |   |   |                 |
|      |    |   |       |     | 1   | 1  |       | l |        |    |   |   |   |   |   |   |   |   |   | l | · · · · · |   |   |   |   |   |                 |

COUNTY:

STANDARD SIGN W2-2 L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED M HLI N N

 $f_{or}$  State Traffic Engineer

DATE 8/16/2023 PLATE NO. W2-2.8

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\W22.dgn

HWY:

PROJECT NO:

PLOT DATE: 16-AUG 2023 3:51

PLOT BY : dotc4c

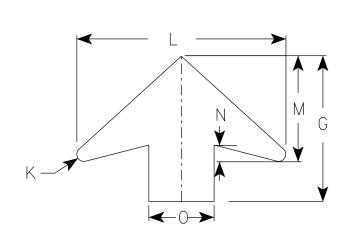
PLOT NAME :

- 1. Sign is Type II Type F Reflective
- 2. Color:

Background - Yellow

Arrow & Border - Black

Stop Symbol - White Border on Red Background



ARROW DETAIL

| SIZE | А  | В | С     | D   | E   | F     | G      | Н     | I      | J   | K   | L      | М     | N     | 0 | Р | Q | R | S | T | U | V | W | X | Υ | Z | Area<br>sq. ft. |
|------|----|---|-------|-----|-----|-------|--------|-------|--------|-----|-----|--------|-------|-------|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| 1    | 30 |   | 1 1/8 | 1/2 | 5/8 | 6 1/4 | 11 1/4 | 2 1/8 | 15 3/4 | 1/2 | 1/2 | 16     | 8     | 1 1/4 | 5 |   |   |   |   |   |   |   |   |   |   |   | 6.25            |
| 25   | 36 |   | 2 1/4 | 5/8 | 3/4 | 7 1/2 | 13 1/2 | 3 1/2 | 19     | 5/8 | 5/8 | 19 1/4 | 9 3/4 | 1 %   | 6 |   |   |   |   |   |   |   |   |   |   |   | 9.0             |
| 2M   | 36 |   | 2 1/4 | 5/8 | 3/4 | 7 1/2 | 13 1/2 | 3 1/2 | 19     | 5/8 | 5/8 | 19 1/4 | 9 3/4 | 1 %   | 6 |   |   |   |   |   |   |   |   |   |   |   | 9.0             |
| 3    | 36 |   | 2 1/4 | 5/8 | 3/4 | 7 1/2 | 13 1/2 | 3 1/2 | 19     | 5/8 | 5/8 | 19 1/4 | 9 3/4 | 1 5/8 | 6 |   |   |   |   |   |   |   |   |   |   |   | 9.0             |
| 4    | 48 |   | 3     | 3/4 | 1   | 10    | 17 1/8 | 4 1/2 | 25 1/8 | 3/4 | 7/8 | 25 %   | 13    | 2     | 8 |   |   |   |   |   |   |   |   |   |   |   | 16.0            |
| 5    | 48 |   | 3     | 3/4 | 1   | 10    | 17 1/8 | 4 1/2 | 25 1/8 | 3/4 | 7/8 | 25 %   | 13    | 2     | 8 |   |   |   |   |   |   |   |   |   |   |   | 16.0            |

For State Traffic Engineer DATE 8/17/2023 PLATE NO. W3-1.13 SHEET NO:

STANDARD SIGN

WISCONSIN DEPT OF TRANSPORTATION

W3-1

FILE NAME : C:\CAEfiles\Project\tr\_stdplate\W31.dgn

W3 - 1

PLOT DATE: 17-AUG 2023 2:30

PLOT BY : dotc4c

Ε

PROJECT NO:

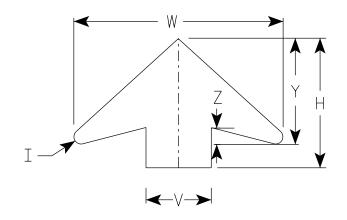
WISDOT/CADDS SHEET 42

- 1. Sign is Type II See Note 2 for Sheeting Type
- 2. Color: \*

  Background Yellow\* (Type F Reflective)

  Message Black
- 3. Message Series C for numbers Series E for wording
- 4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

\*Speed Limit Sign shall have a White Background with black message (Type SH Reflective)



ARROW DETAIL

| SIZE | Α  | В | С     | D   | E   | F      | G      | Н      | I   | J  | K     | L | М     | N  | 0     | Р     | Q   | R     | S     | T     | U  | ٧ | W      | X   | Y     | Z     | Area<br>sq. ft. |
|------|----|---|-------|-----|-----|--------|--------|--------|-----|----|-------|---|-------|----|-------|-------|-----|-------|-------|-------|----|---|--------|-----|-------|-------|-----------------|
| 1    |    |   |       |     |     |        |        |        |     |    |       |   |       |    |       |       |     |       |       |       |    |   |        |     |       |       |                 |
| 25   | 36 |   | 2 1/4 | 5/8 | 3/4 | 14 1/2 | 9 1/2  | 11 1/2 | 5/8 | 24 | 2     | 3 | 1     | 12 | 7 1/8 | 1 1/2 | 3/8 | 5 3/4 | 7 1/4 | 7 1/8 | 9  | 6 | 19 1/4 | 3/8 | 9 3/4 | 1 5/8 | 9.0             |
| 2M   | 36 |   | 2 1/4 | 5/8 | 3/4 | 14 1/2 | 9 1/2  | 11 1/2 | 5/8 | 24 | 2     | 3 | 1     | 12 | 7 1/8 | 1 1/2 | 3/8 | 5 3/4 | 7 1/4 | 7 1/8 | 9  | 6 | 19 1/4 | 3/8 | 9 3/4 | 1 5/8 | 9.0             |
| 3    | 36 |   | 2 1/4 | 5/8 | 3/4 | 14 1/2 | 9 1/2  | 11 1/2 | 5/8 | 24 | 2     | 3 | 1     | 12 | 7 1/8 | 1 1/2 | 3/8 | 5 3/4 | 7 1/4 | 7 1/8 | 9  | 6 | 19 1/4 | 3/8 | 9 3/4 | 1 5/8 | 9.0             |
| 4    | 48 |   | 3     | 3/4 | 1   | 19 1/4 | 10 3/4 | 17 3/8 | 7/8 | 30 | 2 1/4 | 4 | 1 1/4 | 15 | 10    | 1 5/8 | 1/2 | 8     | 9 1/4 | 9 3/8 | 12 | 8 | 25 5/8 | 3/8 | 13    | 2     | 16.0            |
| 5    | 48 |   | 3     | 3/4 | 1   | 19 1/4 | 10 3/4 | 17 3/8 | 7/8 | 30 | 2 1/4 | 4 | 1 1/4 | 15 | 10    | 1 5/8 | 1/2 | 8     | 9 1/4 | 9 3/8 | 12 | 8 | 25 %   | 3/8 | 13    | 2     | 16.0            |

STANDARD SIGN W3-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matther R Rauch
For State Traffic Engineer

DATE 8/30/2023 PLATE NO. W3-5.7

SHEET NO:

LLI INO.

WISDOT/CADDS SHEET 42

FILE NAME : C:\CAEFiles\Projects\tr\_stdplate\W35.DGN

PROJECT NO:

\* White Background

W3 - 5

PLOT DATE: 30-AUG 2023 2:37

2:37 PLOT BY: dotc4c

7

Black Border . White Margin :



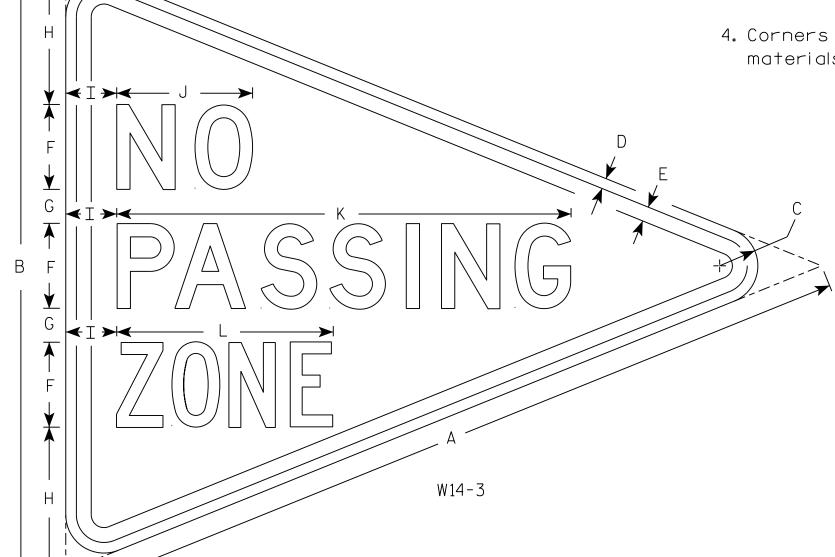
- 1. Sign is Type II Type F Reflective
- 2. Color:

Background - Yellow

Message – Black

3. Message Series - Lines 1 and 2 are Series D. Line 3 is series C.

4. Corners and borders shall be rounded on all base materials for this sign.



| SIZE | Α     | В   | С     | D   | E           | F | G  | Н     | I | J | К      | L      | М | N     | 0 | Ρ | 0 | R | S | Т | U | ٧ | w | Х | Y | Z | Area<br>sq. ft. |
|------|-------|-----|-------|-----|-------------|---|----|-------|---|---|--------|--------|---|-------|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| 1    |       |     |       |     |             |   |    |       |   |   |        |        |   |       |   |   |   |   |   |   |   |   |   |   |   |   |                 |
| 25   | 48    | 36  | 2 1/4 | 5/8 | <i>7</i> ⁄8 | 5 | 2  | 8 1/2 | 3 | 8 | 26 3/4 | 12 3/4 |   |       |   |   |   |   |   |   |   |   |   |   |   |   | 5.56            |
| 2M   |       |     |       |     |             |   |    |       |   |   |        |        |   |       |   |   |   |   |   |   |   |   |   |   |   |   |                 |
| 3    |       |     |       |     |             |   |    |       |   |   |        |        |   |       |   |   |   |   |   |   |   |   |   |   |   |   |                 |
| 4    |       |     |       |     |             |   |    |       |   |   |        |        |   |       |   |   |   |   |   |   |   |   |   |   |   |   |                 |
| 5    |       |     |       |     |             |   |    |       |   |   |        |        |   |       |   |   |   |   |   |   |   |   |   |   |   |   |                 |
| PRO  | )JECT | NO: |       |     |             |   | Тн | WY:   | • |   |        |        |   | JNTY: |   |   |   | • |   |   |   | • | • |   |   |   | •               |

STANDARD SIGN W14-3

WISCONSIN DEPT OF TRANSPORTATION

7'000 For DATE 3/21/17

3/21/17 PLATE NO. W14-3.

SHEET NO:



## Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov