

FILE NAME : N:\PDS\C3D\31400002\SHEETSPLAN\010101-TI.DWG PLOT BY: STARK, GARY W PLOT BY: ST

2

**GENERAL NOTES** 

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

THE LOCATION OF DRIVEWAY MATCH POINTS NOT SHOWN IN THE PLANS WILL BE DETERMINED BY THE ENGINEER.

ALL LAYOUT DATA IS REFERENCED TO THE R/L UNLESS OTHERWISE NOTED.

STATIONING, DISTANCES AND OFFSETS FOR SIGNS SHOWN ON THE PLANS ARE APPROXIMATE AND THE LOCATIONS OF SIGNS ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

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 SHOWN.

THE CONTRACTOR WILL COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A CALL TO THE UTILITIES THAT HAVE INSTALLATIONS WITHIN THE PROJECT AREA.

EROSION CONTROL DEVICES ARE AT SUGGESTED LOCATIONS AS SHOWN ON PLAN DETAILS. ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTORS ECIP AND BY THE ENGINEER. EROSION CONTROL DEVICES SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR UNTIL THE ENGINEER DETERMINES THAT THE DEVICE IS NO LONGER REQUIRED.

RE-TOPSOILING OF ALL DISTURBED AREAS SHALL BE DONE IMMEDIATELY AFTER GRADING IS COMPLETED WITHIN THOSE AREAS. FERTILIZE, SEED AND E-MAT ON ALL TOPSOILED AREAS WITHIN 5 WORKING DAYS AFTER PLACEMENT OF THE TOPSOIL.

STOCKPILE EXCESS MATERIAL OR SPOILS ON UPLAND AREAS AWAY FROM WETLANDS, FLOODPLAINS, AND WATERWAYS. STOCKPILED SOIL SHALL BE PROTECTED AGAINST EROSION. IF STOCKPILED MATERIAL IS LEFT FOR MORE THAN 7 CALENDAR DAYS, SEED THE STOCKPILE WITH TEMPORARY SEED AT CONTRACTORS COST.

A SAWED JOINT IS REQUIRED WHERE NEW HMA PAVEMENT MEETS EXISTING HMA PAVEMENT.

CONTRACTOR MUST CONTACT THE PROJECT ENGINEER, WISDOT-SW REGION SURVEY COORDINATOR, AND ROCK COUNTY SURVEYOR; AT LEAST 5 DAYS PRIOR TO WORK NEAR ANY PUBLIC SURVEY MONUMENT.

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

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 120 LB/SY/IN.

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

#### **ORDER OF SECTION 2 DETAIL SHEETS**

**GENERAL NOTES** 

PROJECT OVERVIEW

TYPICAL SECTIONS

CONSTRUCTION DETAILS

PLAN DETAILS AND EROSION CONTROL

PAVEMENT MARKING

TRAFFIC CONTROL

ALIGNMENT LAYOUT

#### STH 59 HMA PAVEMENT

UPPER LAYER - 1 3/4 INCHES OF HMA PAVEMENT 4 MT 58-28 S LOWER LAYER - 2 1/4 INCHES OF HMA PAVEMENT 3 MT 58-28 S

PROJECT NO: 3140-00-72 HWY: STH 59 COUNTY: ROCK GENERAL NOTES SHEET: E

FILE NAME : \_\_\_\_\_\_ PLOT BY : \_\_\_\_\_ PLOT NAME : \_\_\_\_\_ PLOT NAME : \_\_\_\_\_ PLOT SCALE : 1:1

UTILITY CONTACTS

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TOWNOFMILTONPD@CHARTER.NET

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AGENCY CONTACTS

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WWW.CO.ROCK.WI.US/SURVEYOR

**ROCK COUNTY SHERIFF** 

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**DESIGN LEADER** 

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SURVEY COORDINATOR

PATRICK STANKIEWICZ

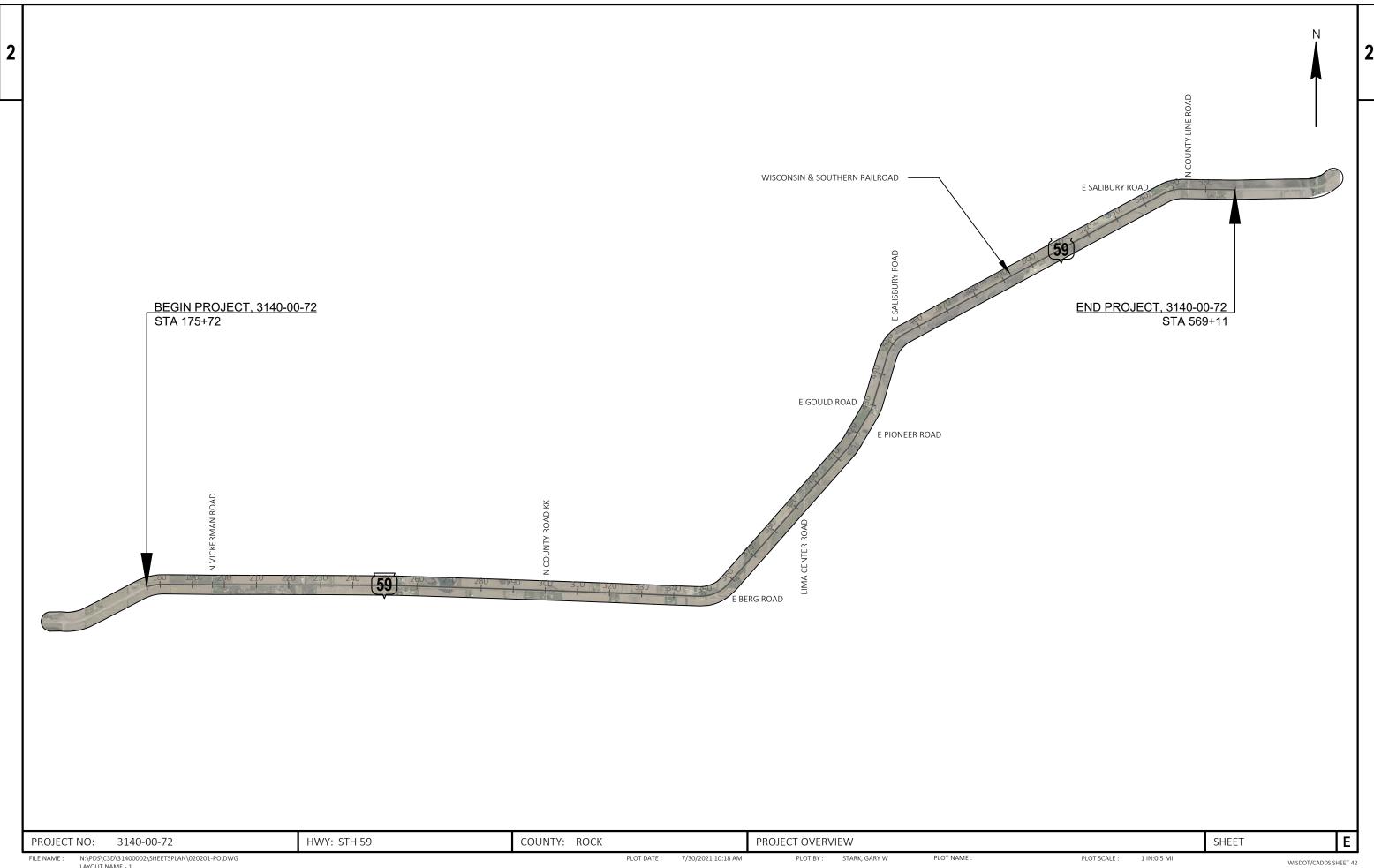
(608) 246-7918

PATRICK.STANKIEWICZ@DOT.WI.GOV



PROJECT NO: 3140-00-72 HWY: STH 59 COUNTY: ROCK GENERAL NOTES SHEET: E

FILE NAME : \_\_\_\_\_\_ PLOT DATE : \_\_\_\_\_ PLOT BY : \_\_\_\_\_ PLOT NAME : \_\_\_\_\_ PLOT NAME : \_\_\_\_\_ PLOT SCALE : 1:1



N:\PDS\C3D\31400002\SHEETSPLAN\020201-PO.DWG LAYOUT NAME - 1

2

CLEAR ZONE

18'

12'

12'

4:1

EXISTING ASPHALTIC PAVEMENT 6-INCH

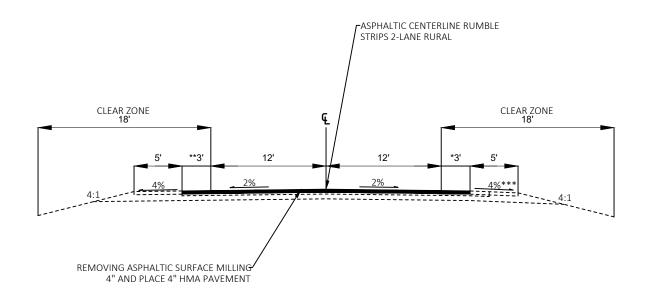
EXISTING ASPHALTIC PAVEMENT 6-INCH

EXISTING CRUSHED AGGREGATE BASE COURSE

## EXISTING TYPICAL SECTION

#### STA 175+72 TO STA 569+11

\*STA 175+72 TO STA 196+29 RT - 5' ASPHALT SHOULDERS
\*\*STA 443+00 TO STA 459+00 LT - 6' ASPHALT SHOULDERS, ASPHALTIC SHOULDER RUMBLE STRIPS 2-LANE RURAL



# PROPOSED TYPICAL SECTION STH 59

## STA 175+72 TO STA 569+11

\*STA 175+72 TO STA 196+29 RT - 5' ASPHALT SHOULDERS

\*\*STA 443+00 TO STA 459+00 LT - 6' ASPHALT SHOULDERS, ASPHALTIC SHOULDER RUMBLE STRIPS 2-LANE RURAL

\*\*\* STA 348+00 TO STA 359+00 RT - 2% SHOULDER SLOPE (SEE CONSTRUCTION DETAIL SHOULDER GRADING)

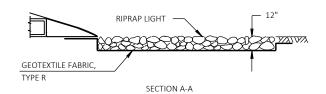
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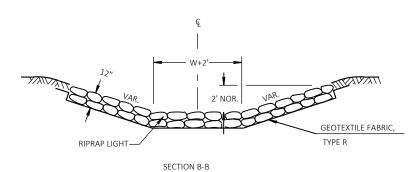
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PLOT DATE: 7/30/2021 10:36 AM PLOT BY: STARK, GARY W PLOT NAME: PLOT SCALE: 1 IN:10 FT PROJECT NAME: PLOT SCALE: PLOT SCALE:

LAYOUT NAME - MAINLINE

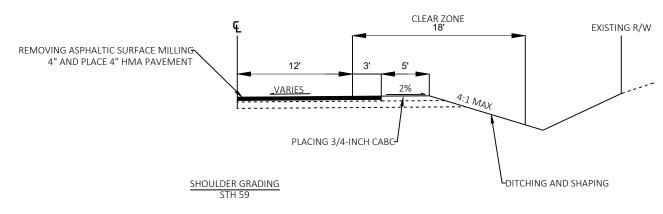
RIPRAP LIGHT EXISTING 30-INCH L = 3 TIMES DIAMETER (NOR.) OR 10' MIN. OR AS DIRECTED BY THE APRON ENDWALL ENGINEER





#### RIPRAP AND GEOTEXTILE FABRIC DETAIL AT APRON ENDWALLS

STA 441+10 RT

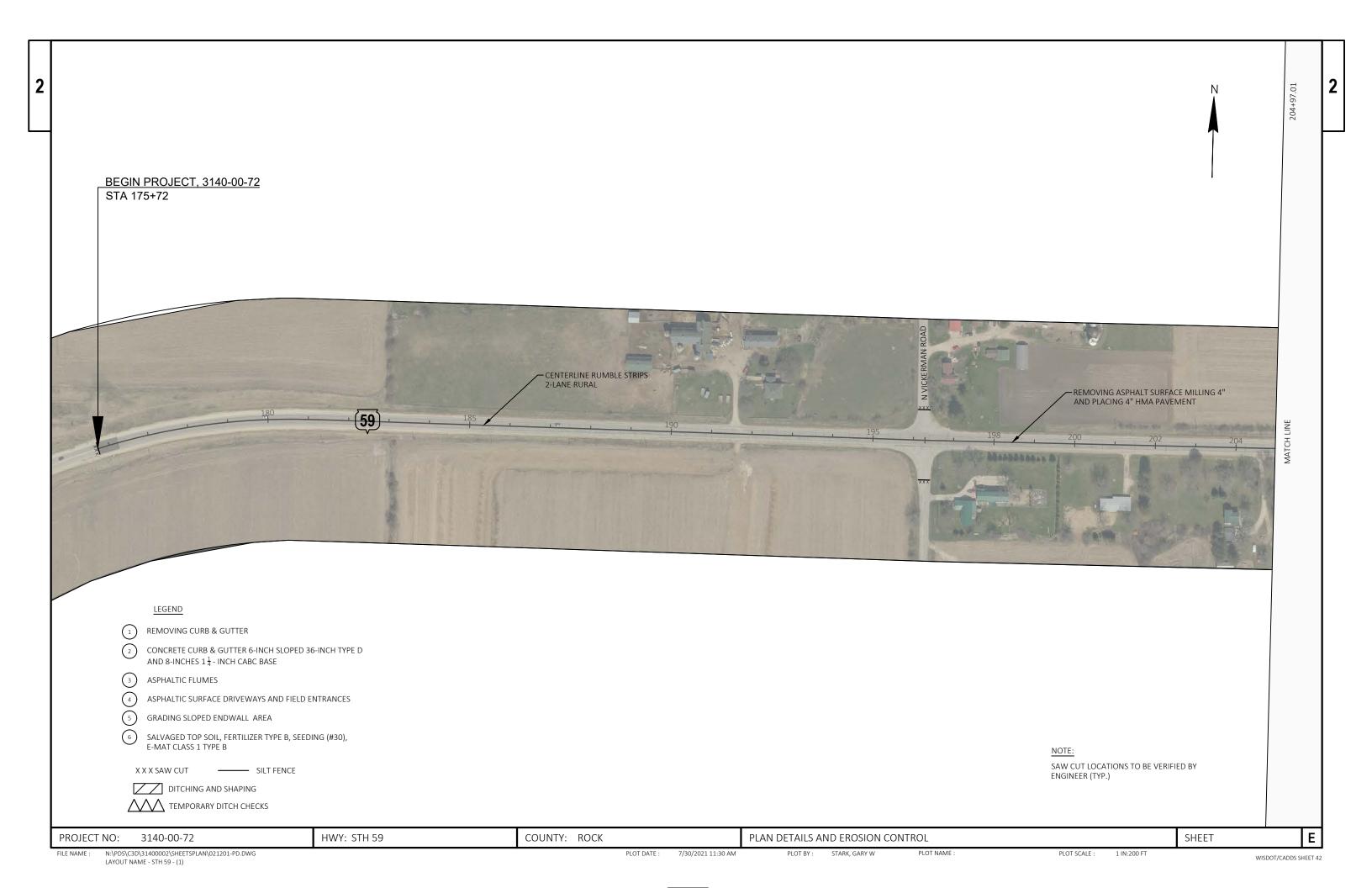


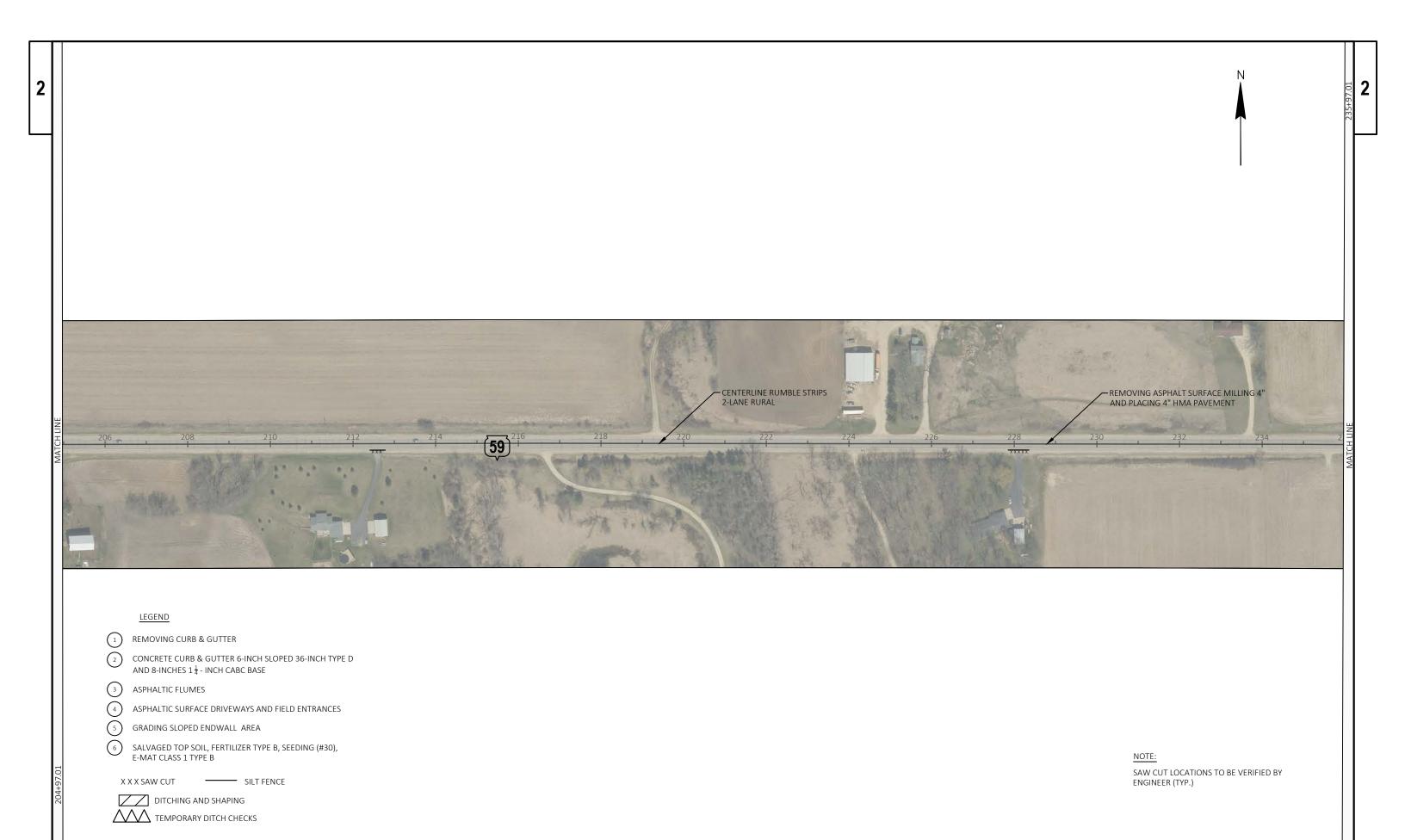
WISDOT/CADDS SHEET 42

STA 348+00 TO 359+00 RT

HWY: STH 59 COUNTY: ROCK Ε PROJECT NO: 3140-00-72 CONSTRUCTION DETAILS SHEET FILE NAME : 9/22/2021 11:49 AM PLOT BY: STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

N:\PDS\C3D\31400002\SHEETSPLAN\021001\_CD.DWG LAYOUT NAME - E BERG RD





HWY: STH 59 COUNTY: ROCK PROJECT NO: 3140-00-72 PLAN DETAILS AND EROSION CONTROL SHEET FILE NAME : N:\PD\$\C3D\31400002\\$HEET\$PLAN\021201-PD.DWG PLOT DATE : 7/30/2021 11:30 AM PLOT BY: STARK, GARY W PLOT SCALE : 1 IN:200 FT LAYOUT NAME - STH 59 - (2)

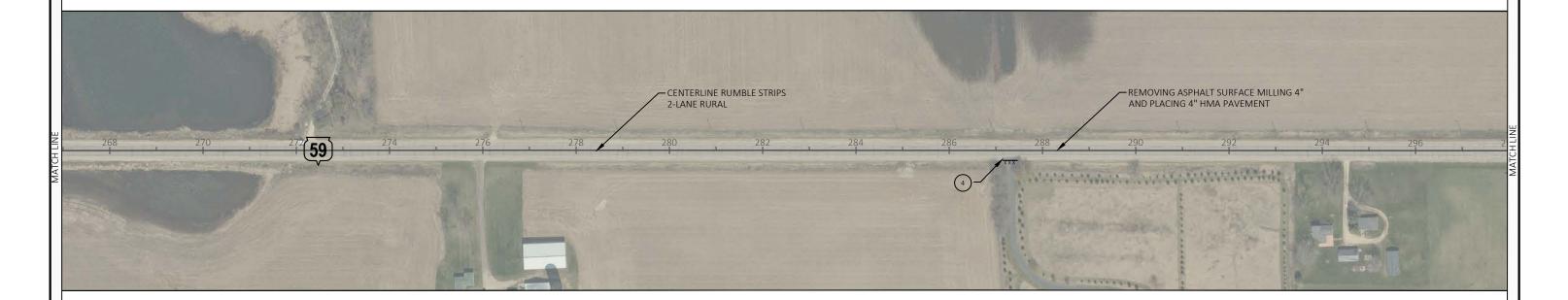
WISDOT/CADDS SHEET 42



LAYOUT NAME - STH 59 - (3)







- REMOVING CURB & GUTTER
- CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D AND 8-INCHES 1  $\frac{1}{4}$  INCH CABC BASE
- ASPHALTIC FLUMES
- ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- GRADING SLOPED ENDWALL AREA
- SALVAGED TOP SOIL, FERTILIZER TYPE B, SEEDING (#30), E-MAT CLASS 1 TYPE B

X X X SAW CUT ———— SILT FENCE

DITCHING AND SHAPING

TEMPORARY DITCH CHECKS

SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER (TYP.)

3140-00-72 HWY: STH 59 COUNTY: ROCK PROJECT NO: PLAN DETAILS AND EROSION CONTROL SHEET FILE NAME : N:\PDS\C3D\31400002\SHEETSPLAN\021201-PD.DWG PLOT DATE : 7/30/2021 11:30 AM

LAYOUT NAME - STH 59 - (4)

PLOT BY: STARK, GARY W

PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42







REMOVE & REPLACE APRON ENDWALL CORRUGATED STEEL 30-INCH

## LEGEND

REMOVING CURB & GUTTER

CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D AND 8-INCHES  $1\frac{1}{4}$  - INCH CABC BASE

ASPHALTIC FLUMES

ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

GRADING SLOPED ENDWALL AREA

SALVAGED TOP SOIL, FERTILIZER TYPE B, SEEDING (#30), E-MAT CLASS 1 TYPE B

X X X SAW CUT

----- SILT FENCE

DITCHING AND SHAPING

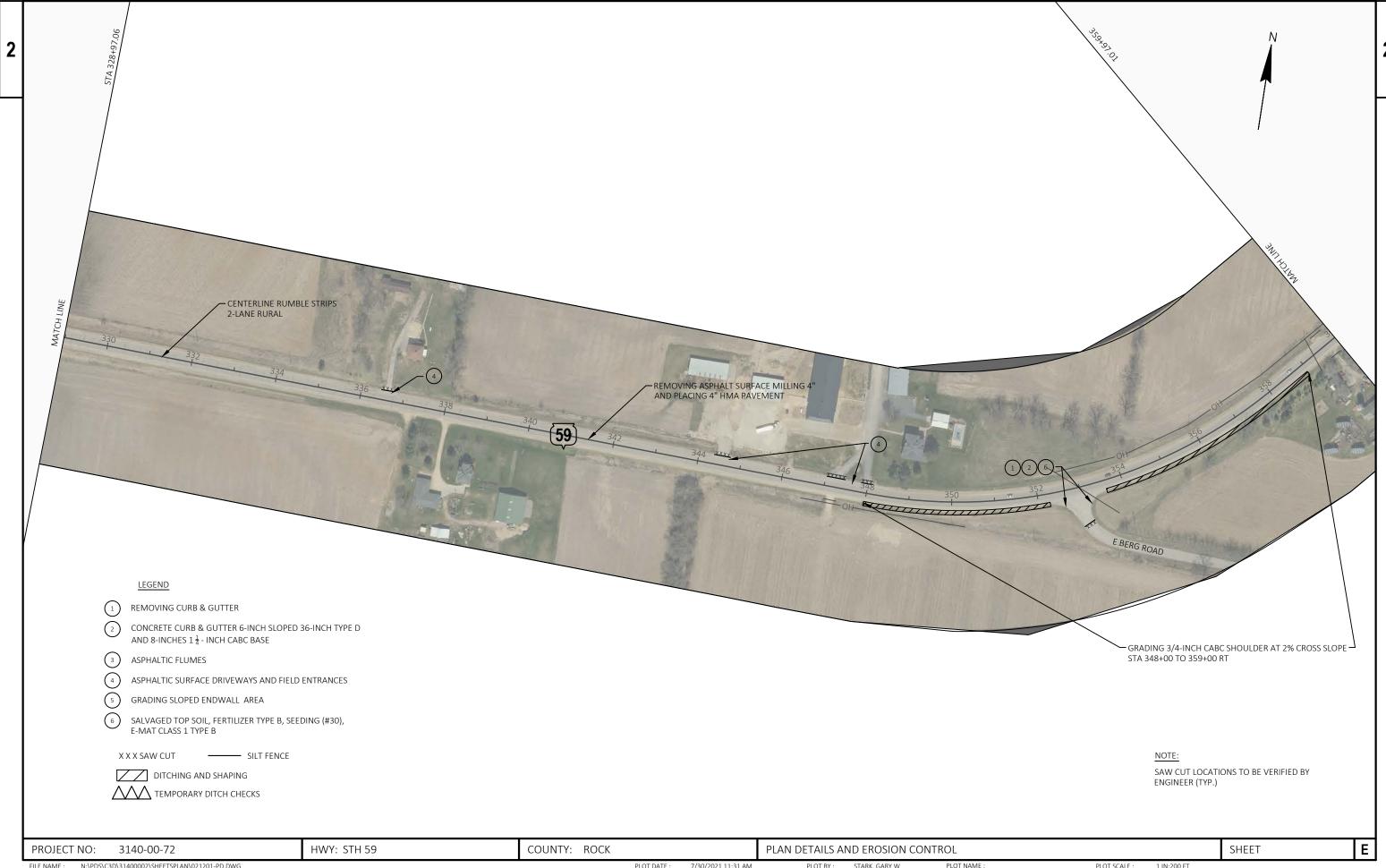
TEMPORARY DITCH CHECKS

NOTE:

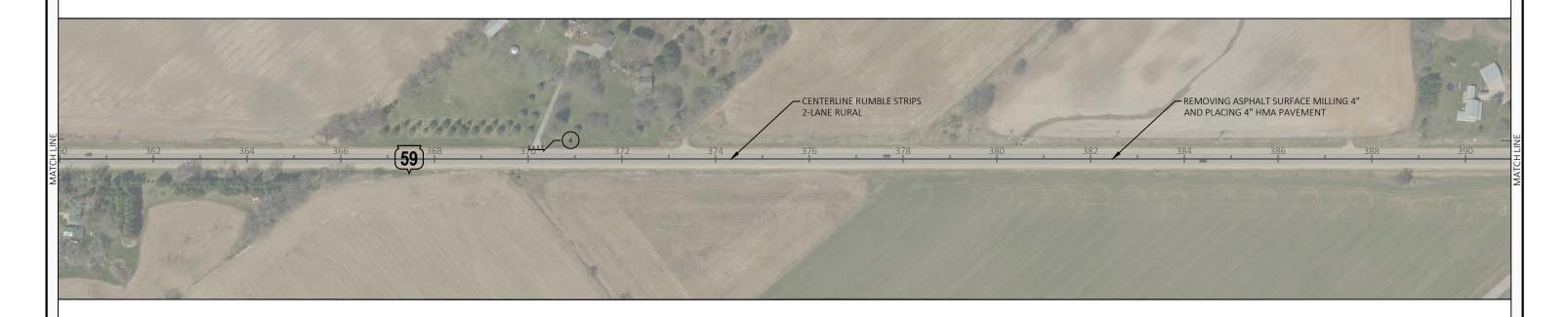
SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER (TYP.)

HWY: STH 59 COUNTY: ROCK PROJECT NO: 3140-00-72 PLAN DETAILS AND EROSION CONTROL SHEET FILE NAME : N:\PDS\C3D\31400002\SHEETSPLAN\021201-PD.DWG PLOT DATE : 7/30/2021 11:31 AM PLOT BY: STARK, GARY W PLOT SCALE : 1 IN:200 FT WISDOT/CADDS SHEET 42

LAYOUT NAME - STH 59 - (5)



N:\PDS\C3D\31400002\SHEETSPLAN\021201-PD.DWG 7/30/2021 11:31 AM PLOT BY: STARK, GARY W PLOT SCALE : 1 IN:200 FT WISDOT/CADDS SHEET 42 LAYOUT NAME - STH 59 - (6)



REMOVING CURB & GUTTER

CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D AND 8-INCHES 1  $\frac{1}{4}$  - INCH CABC BASE

ASPHALTIC FLUMES

ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

GRADING SLOPED ENDWALL AREA

SALVAGED TOP SOIL, FERTILIZER TYPE B, SEEDING (#30), E-MAT CLASS 1 TYPE B

X X X SAW CUT ———— SILT FENCE

DITCHING AND SHAPING

TEMPORARY DITCH CHECKS

NOTE:

SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER (TYP.)

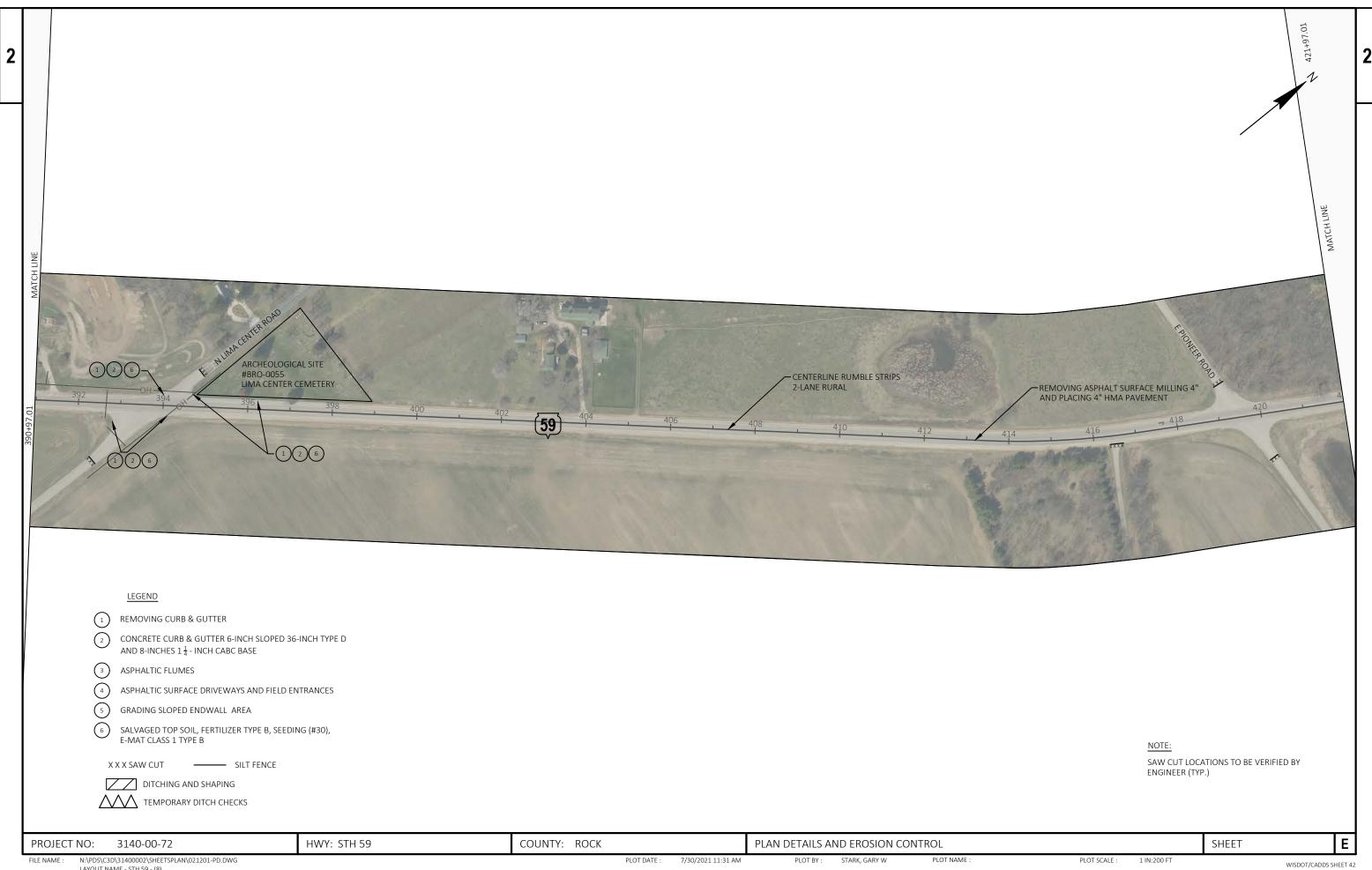
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N:\PD\$\C3D\31400002\\$HEET\$PLAN\021201-PD.DWG LAYOUT NAME - STH 59 - (7)

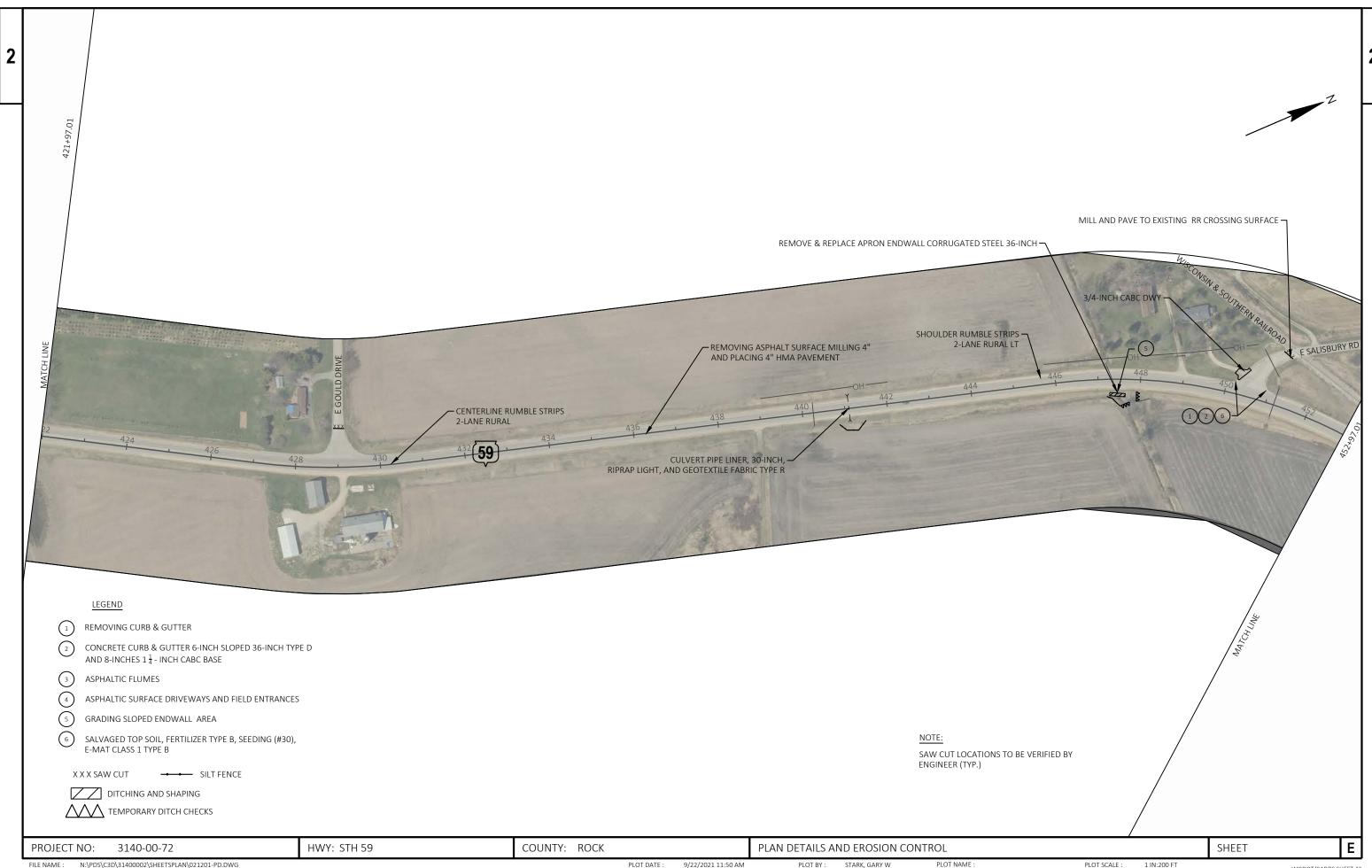
PLOT DATE : 7/30/2021 11:31 AM

PLOT BY: STARK, GARY W

PLOT SCALE : 1 IN:200 FT



LAYOUT NAME - STH 59 - (8)



PLOT BY: STARK, GARY W 9/22/2021 11:50 AM 1 IN:200 FT WISDOT/CADDS SHEET 42 LAYOUT NAME - STH 59 - (9)

– SHOULDER RUMBLE STRIPS 2-LANE RURAL LT REMOVING ASPHALT SURFACE MILLING 4"
AND PLACING 4" HMA PAVEMENT CENTERLINE RUMBLE STRIPS 2-LANE RURAL WISCONSIN & SOUTHERN RAILROAD LEGEND REMOVING CURB & GUTTER CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D AND 8-INCHES  $1\frac{1}{4}$  - INCH CABC BASE (3) ASPHALTIC FLUMES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES GRADING SLOPED ENDWALL AREA SALVAGED TOP SOIL, FERTILIZER TYPE B, SEEDING (#30), E-MAT CLASS 1 TYPE B NOTE: X X X SAW CUT ——— SILT FENCE SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER (TYP.) DITCHING AND SHAPING TEMPORARY DITCH CHECKS PROJECT NO: HWY: STH 59 COUNTY: ROCK 3140-00-72 PLAN DETAILS AND EROSION CONTROL SHEET FILE NAME :

N:\PD\$\C3D\31400002\\$HEET\$PLAN\021201-PD.DWG PLOT DATE : 7/30/2021 11:31 AM PLOT BY: STARK, GARY W PLOT SCALE : 1 IN:200 FT WISDOT/CADDS SHEET 42 LAYOUT NAME - STH 59 - (10)





REMOVING CURB & GUTTER

CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D AND 8-INCHES  $1\frac{1}{4}$  - INCH CABC BASE

ASPHALTIC FLUMES

ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

GRADING SLOPED ENDWALL AREA

SALVAGED TOP SOIL, FERTILIZER TYPE B, SEEDING (#30), E-MAT CLASS 1 TYPE B

X X X SAW CUT

----- SILT FENCE

DITCHING AND SHAPING

TEMPORARY DITCH CHECKS

SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER (TYP.)

HWY: STH 59 COUNTY: ROCK PROJECT NO: 3140-00-72 PLAN DETAILS AND EROSION CONTROL SHEET

PLOT DATE : 7/30/2021 11:31 AM

N:\PD\$\C3D\31400002\\$HEET\$PLAN\021201-PD.DWG LAYOUT NAME - STH 59 - (11)

PLOT BY: STARK, GARY W PLOT SCALE : 1 IN:200 FT WISDOT/CADDS SHEET 42

REMOVING ASPHALT SURFACE MILLING 4" AND PLACING 4" HMA PAVEMENT - CENTERLINE RUMBLE STRIPS WISCONSIN & SOUTHERN RAILROAD LEGEND REMOVING CURB & GUTTER CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D AND 8-INCHES  $1\frac{1}{4}$  - INCH CABC BASE ASPHALTIC FLUMES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES GRADING SLOPED ENDWALL AREA SALVAGED TOP SOIL, FERTILIZER TYPE B, SEEDING (#30), E-MAT CLASS 1 TYPE B NOTE: SAW CUT LOCATIONS TO BE VERIFIED BY ENGINEER (TYP.) X X X SAW CUT ———— SILT FENCE DITCHING AND SHAPING TEMPORARY DITCH CHECKS

FILE NAME : N:\PDS\C3D\31400002\SHEETSPLAN\021201-PD.DWG PLOT DATE : 7/30/2021 11:32 AM PLOT BY: STARK, GARY W PLOT SCALE : 1 IN:200 FT WISDOT/CADDS SHEET 42 LAYOUT NAME - STH 59 - (12)

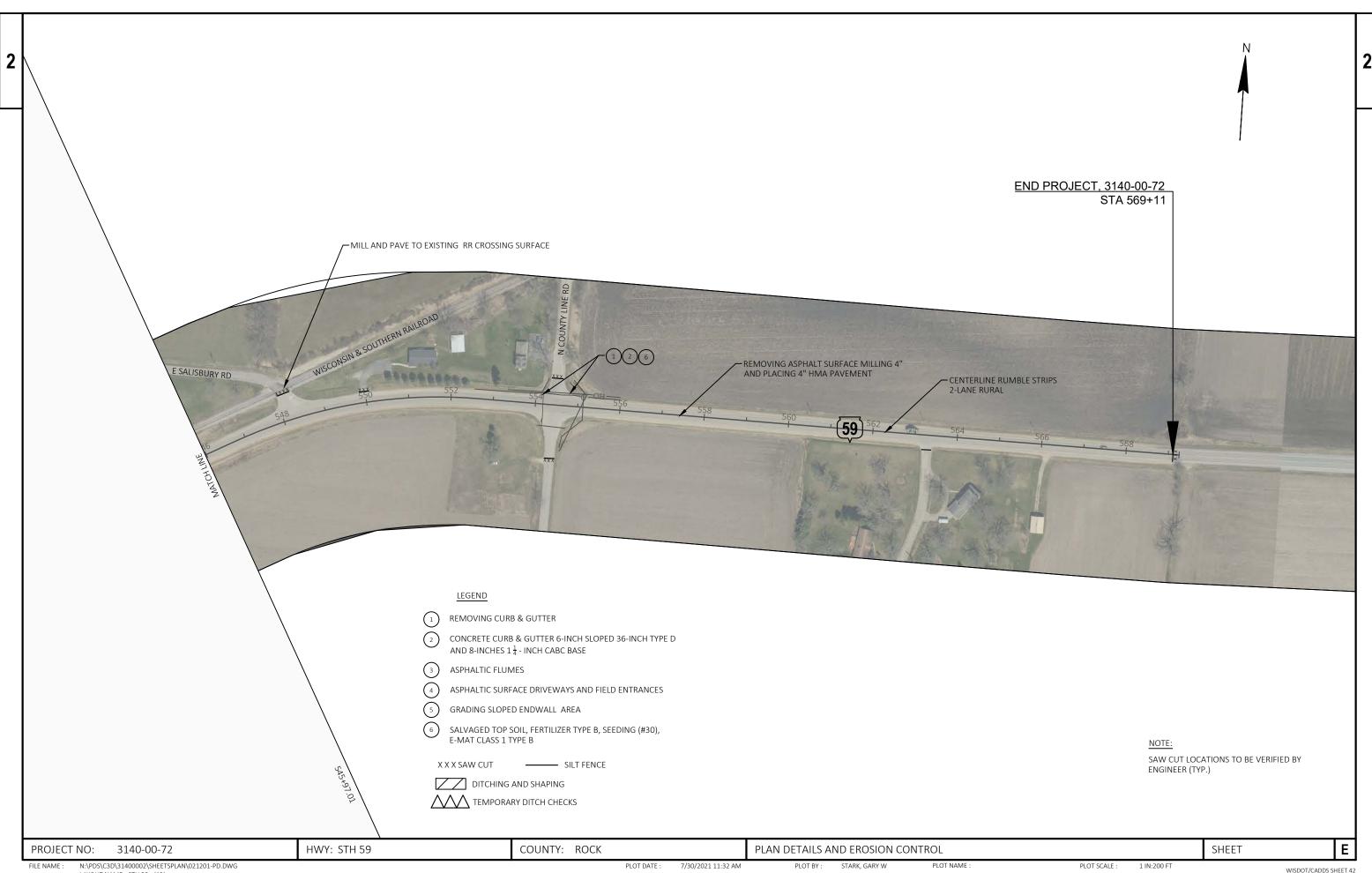
PLAN DETAILS AND EROSION CONTROL

COUNTY: ROCK

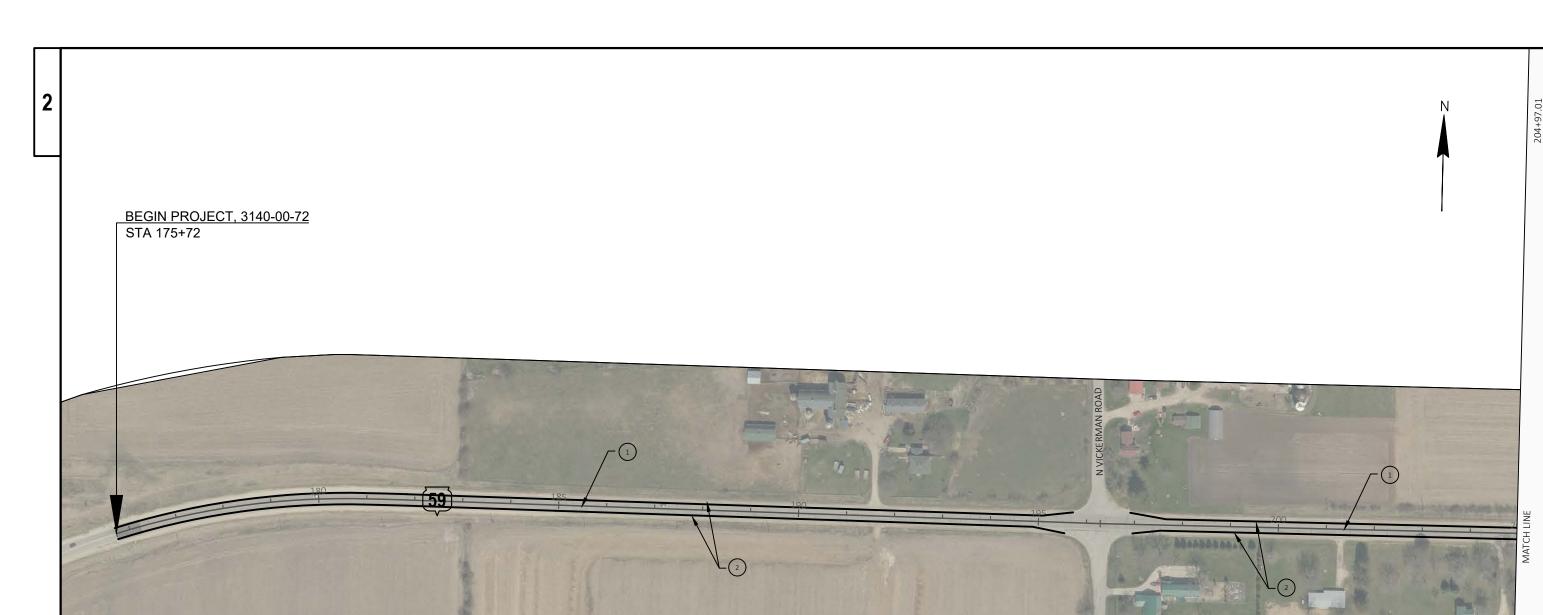
HWY: STH 59

PROJECT NO: 3140-00-72

SHEET



WISDOT/CADDS SHEET 42 LAYOUT NAME - STH 59 - (13)



LAYOUT NAME - STH 59 - (1)

PAVEMENT MARKING LINE SAME DAY EPOXY 4-INCH (DOUBLE YELLOW)

PAVEMENT MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)

PAVEMENT MARKING STOP LINE EPOXY 18-INCH

PAVEMENT MARKING LINE EPOXY 4-INCH (WHITE)

NOTES

 STOP BARS SHOWN FOR REFERENCE, SEE S.D.D 15C33 STOP LINE AND CROSSWALK PAVEMENT MARKING FOR EXACT PLACEMENT LOCATION

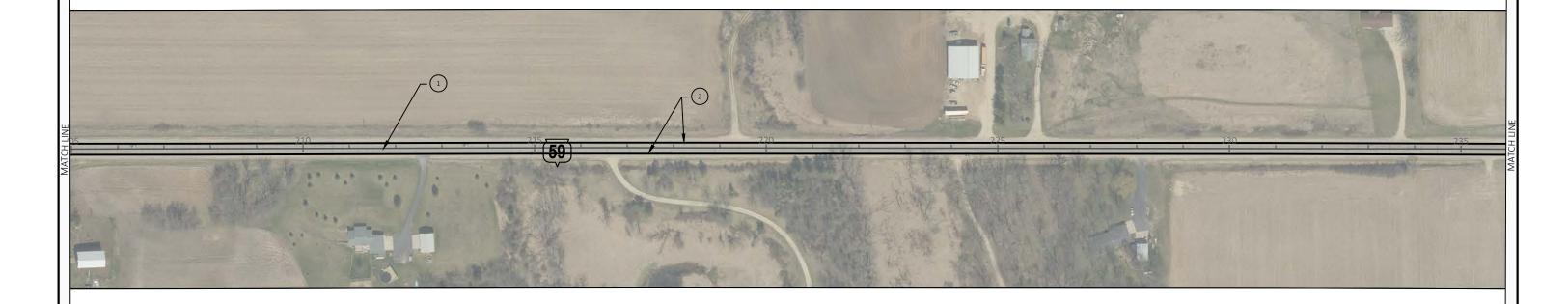
 LOCATE NO PASSING ZONE - PROJECT LIMITS

PROJECT NO: 3140-00-72 HWY: STH 59 COUNTY: ROCK PLOT DATE: 7/30/2021 10:59 AM PLOT NAME: STARK, GARY W PLOT NAME: 1 IN:200 FT STARK, GARY W PLOT NAME: 1 IN:200

WISDOT/CADDS SHEET 42







PAVEMENT MARKING LINE SAME DAY EPOXY 4-INCH (DOUBLE YELLOW)

PAVEMENT MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)

PAVEMENT MARKING STOP LINE EPOXY 18-INCH

PAVEMENT MARKING LINE EPOXY 4-INCH (WHITE)

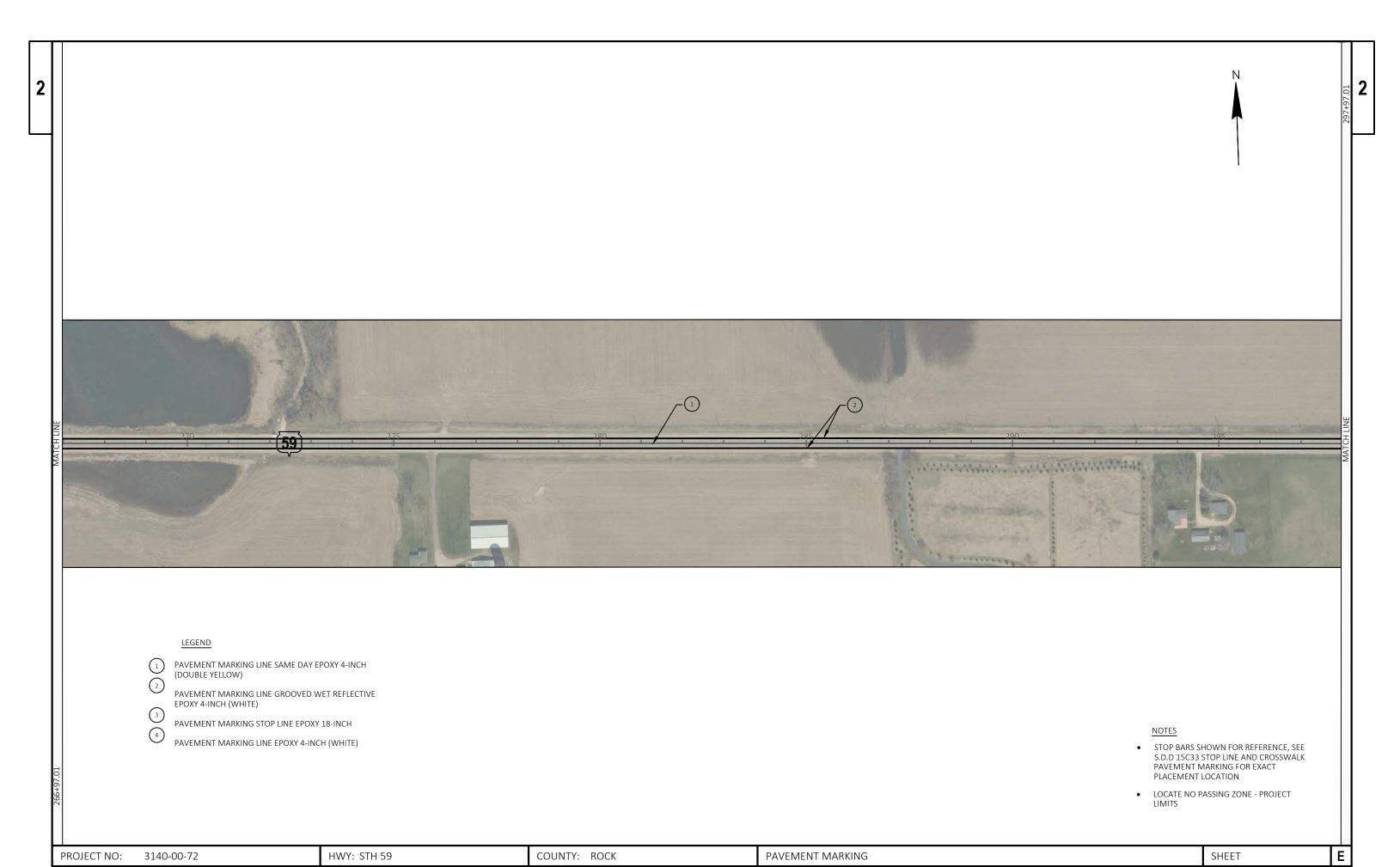
#### NOTES

- STOP BARS SHOWN FOR REFERENCE, SEE S.D.D 15C33 STOP LINE AND CROSSWALK PAVEMENT MARKING FOR EXACT PLACEMENT LOCATION
- LOCATE NO PASSING ZONE PROJECT LIMITS

HWY: STH 59 COUNTY: ROCK SHEET PROJECT NO: 3140-00-72 PAVEMENT MARKING N:\PDS\C3D\31400002\SHEETSPLAN\024501\_PM.DWG LAYOUT NAME - STH 59 - (2) PLOT BY: STARK, GARY W PLOT DATE : 7/30/2021 10:59 AM PLOT NAME : PLOT SCALE : 1 IN:200 FT WISDOT/CADDS SHEET 42



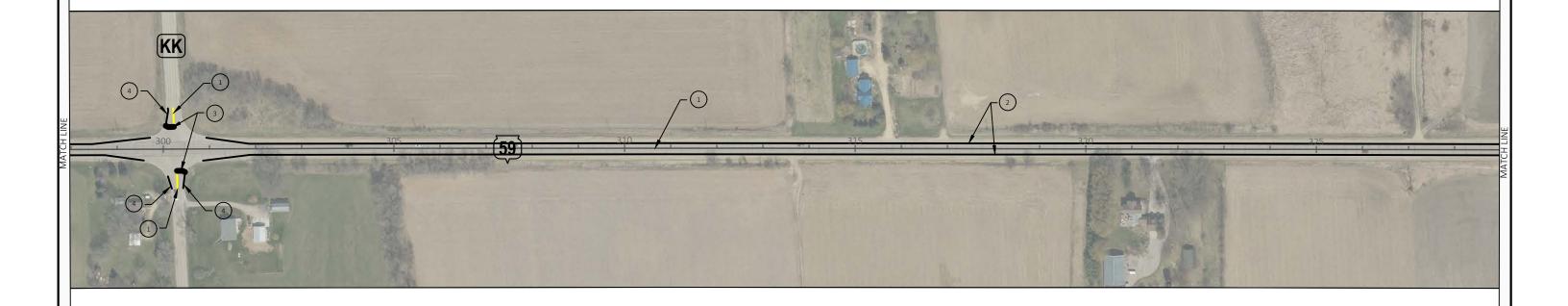
N:\PDS\C3D\31400002\SHEETSPLAN\024501\_PM.DWG LAYOUT NAME - STH 59 - (3) PLOT DATE : 7/30/2021 10:59 AM WISDOT/CADDS SHEET 42



FILE NAME: N:\PDS\C3D\31400002\\$HEETSPLAN\024501\_PM.DWG PLOT DATE: 7/30/2021 10:59 AM PLOT BY: STARK, GARY W PLOT NAME: PLOT SCALE: 1 IN:200 FT WISDOT/CADDS SHEET 42 LAYOUT NAME - STH 59 - (4)





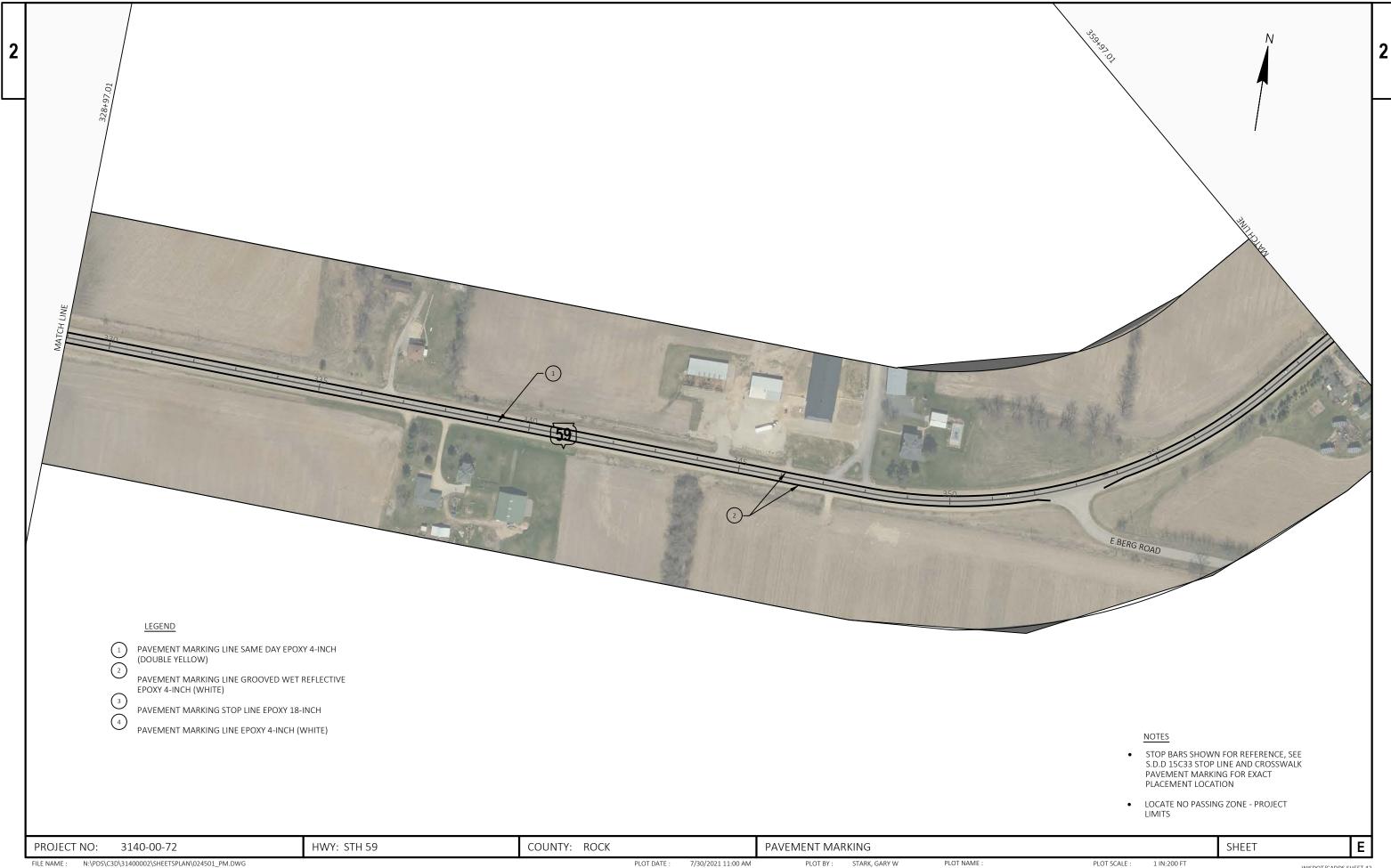


- PAVEMENT MARKING LINE SAME DAY EPOXY 4-INCH (DOUBLE YELLOW)
- PAVEMENT MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)
- PAVEMENT MARKING STOP LINE EPOXY 18-INCH
  - PAVEMENT MARKING LINE EPOXY 4-INCH (WHITE)

## NOTES

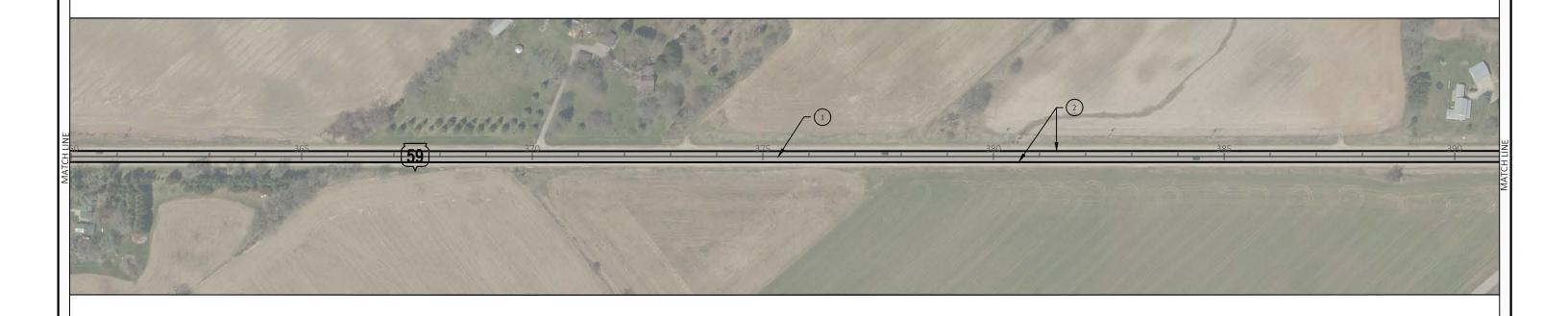
- STOP BARS SHOWN FOR REFERENCE, SEE S.D.D 15C33 STOP LINE AND CROSSWALK PAVEMENT MARKING FOR EXACT PLACEMENT LOCATION
- LOCATE NO PASSING ZONE PROJECT LIMITS

HWY: STH 59 COUNTY: ROCK SHEET PROJECT NO: 3140-00-72 PAVEMENT MARKING N:\PDS\C3D\31400002\SHEETSPLAN\024501\_PM.DWG LAYOUT NAME - STH 59 - (5) PLOT DATE : 7/30/2021 10:59 AM PLOT BY: STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:200 FT WISDOT/CADDS SHEET 42



N:\PDS\C3D\31400002\SHEETSPLAN\024501\_PM.DWG LAYOUT NAME - STH 59 - (6) WISDOT/CADDS SHEET 42





PAVEMENT MARKING LINE SAME DAY EPOXY 4-INCH (DOUBLE YELLOW)

PAVEMENT MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)

PAVEMENT MARKING STOP LINE EPOXY 18-INCH

PAVEMENT MARKING LINE EPOXY 4-INCH (WHITE)

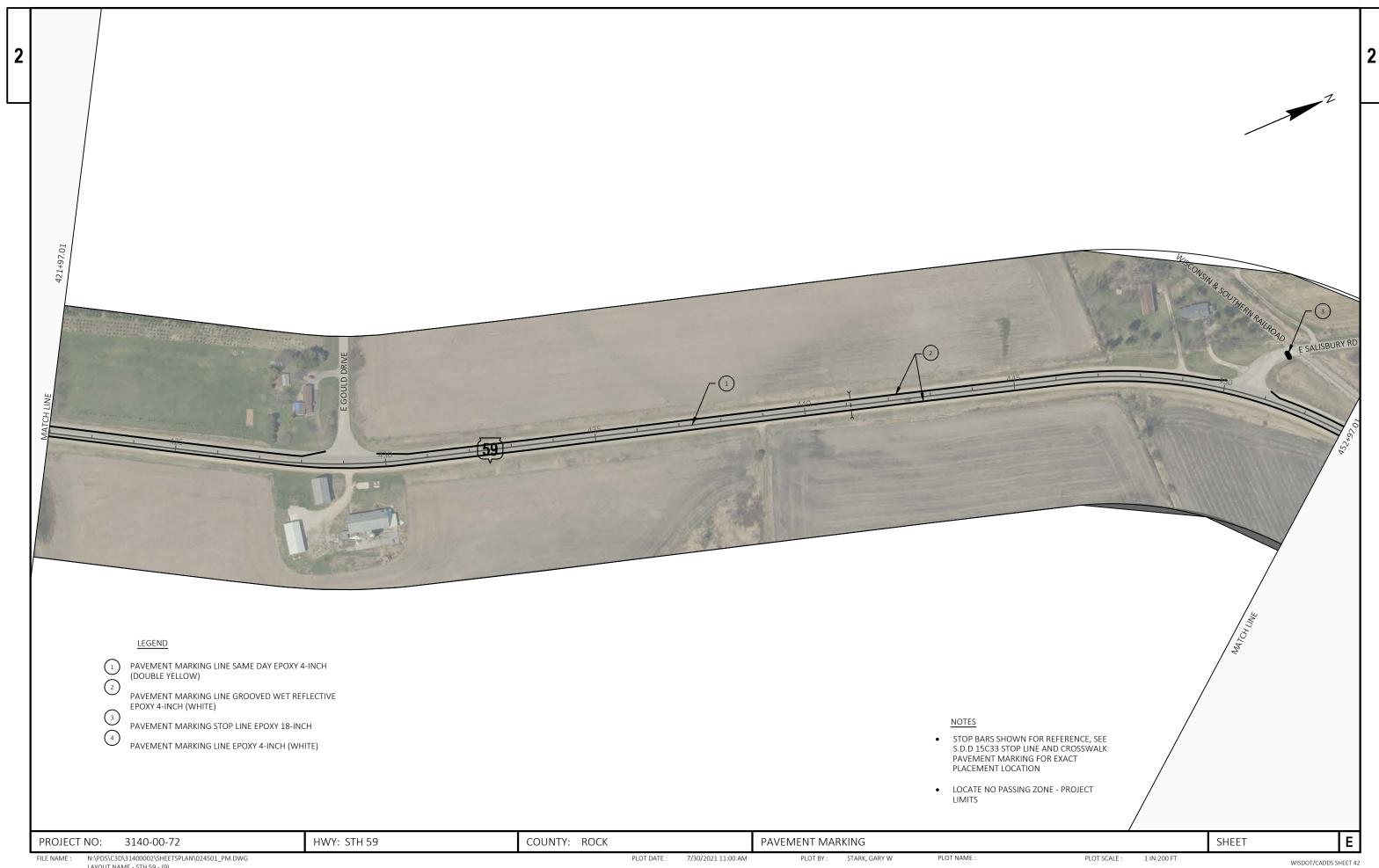
#### NOTES

- STOP BARS SHOWN FOR REFERENCE, SEE S.D.D 15C33 STOP LINE AND CROSSWALK PAVEMENT MARKING FOR EXACT PLACEMENT LOCATION
- LOCATE NO PASSING ZONE PROJECT LIMITS

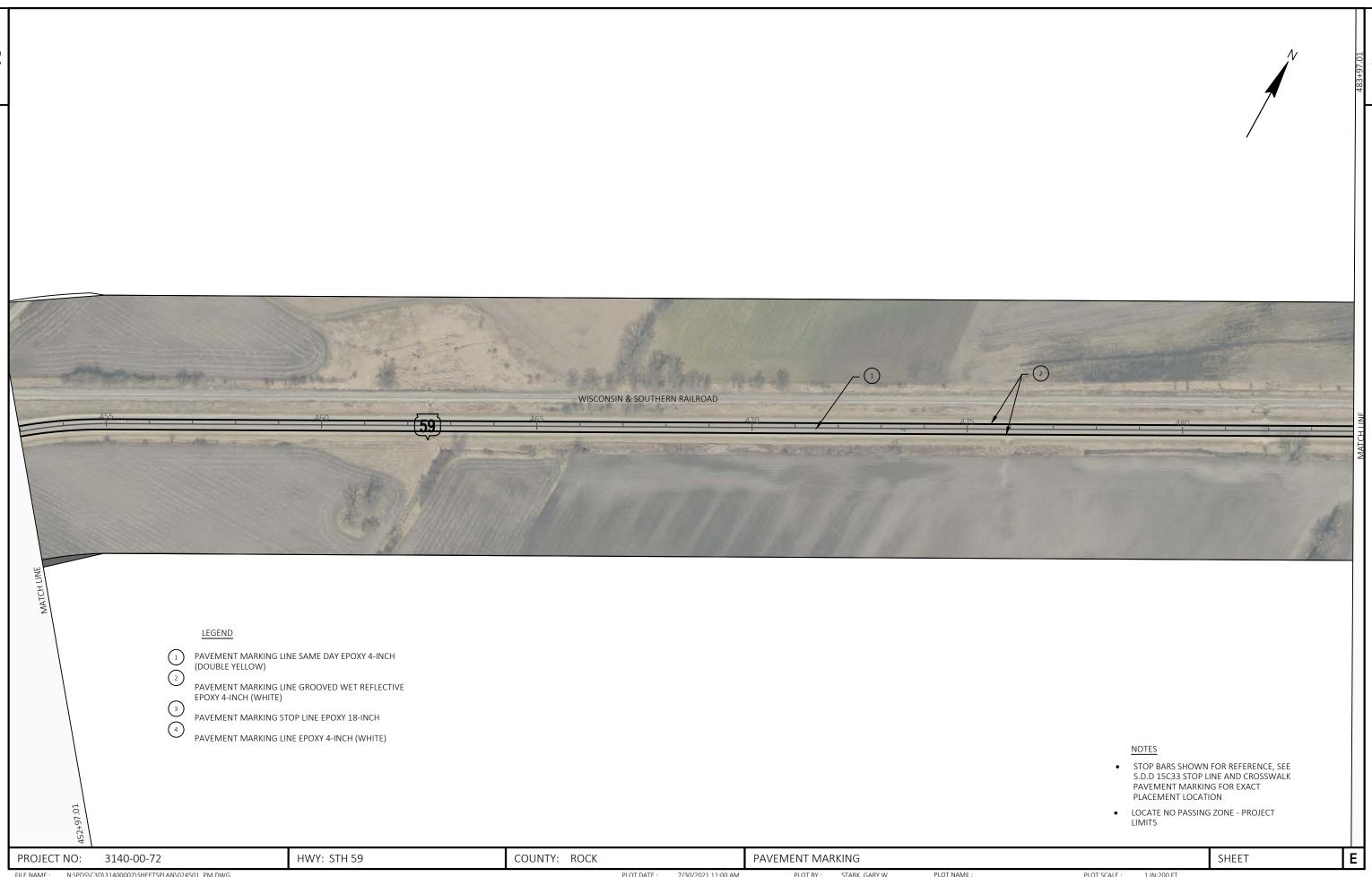
HWY: STH 59 COUNTY: ROCK PAVEMENT MARKING SHEET PROJECT NO: 3140-00-72 N:\PDS\C3D\31400002\SHEETSPLAN\024501\_PM.DWG LAYOUT NAME - STH 59 - (7) PLOT DATE : 7/30/2021 11:00 AM PLOT BY: STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:200 FT WISDOT/CADDS SHEET 42



WISDOT/CADDS SHEET 42



N:\PDS\C3D\31400002\SHEETSPLAN\024501\_PM.DWG LAYOUT NAME - STH 59 - (9)



NAME: N:\PDS\C3D\31400002\SHEETSPLAN\024501\_PM.DWG PLOT DATE: 7/30/2021 11:00 AM PLOT BY: STARK, GARY W PLOT NAME: PLOT SCALE: 1 IN:200 FT WISDOT/CADDS SHEET 42 LAYOUT NAME - STH 59 - (10)





PAVEMENT MARKING LINE SAME DAY EPOXY 4-INCH (DOUBLE YELLOW)

PAVEMENT MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)

PAVEMENT MARKING STOP LINE EPOXY 18-INCH

PAVEMENT MARKING LINE EPOXY 4-INCH (WHITE)

## NOTES

STOP BARS SHOWN FOR REFERENCE, SEE S.D.D 15C33 STOP LINE AND CROSSWALK PAVEMENT MARKING FOR EXACT PLACEMENT LOCATION

LOCATE NO PASSING ZONE - PROJECT LIMITS

HWY: STH 59 COUNTY: ROCK SHEET PROJECT NO: 3140-00-72 PAVEMENT MARKING N:\PDS\C3D\31400002\SHEETSPLAN\024501\_PM.DWG LAYOUT NAME - STH 59 - (11) PLOT BY: STARK, GARY W PLOT DATE : 7/30/2021 11:01 AM PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42





PAVEMENT MARKING LINE SAME DAY EPOXY 4-INCH (DOUBLE YELLOW)

PAVEMENT MARKING LINE GROOVED WET REFLECTIVE EPOXY 4-INCH (WHITE)

PAVEMENT MARKING STOP LINE EPOXY 18-INCH

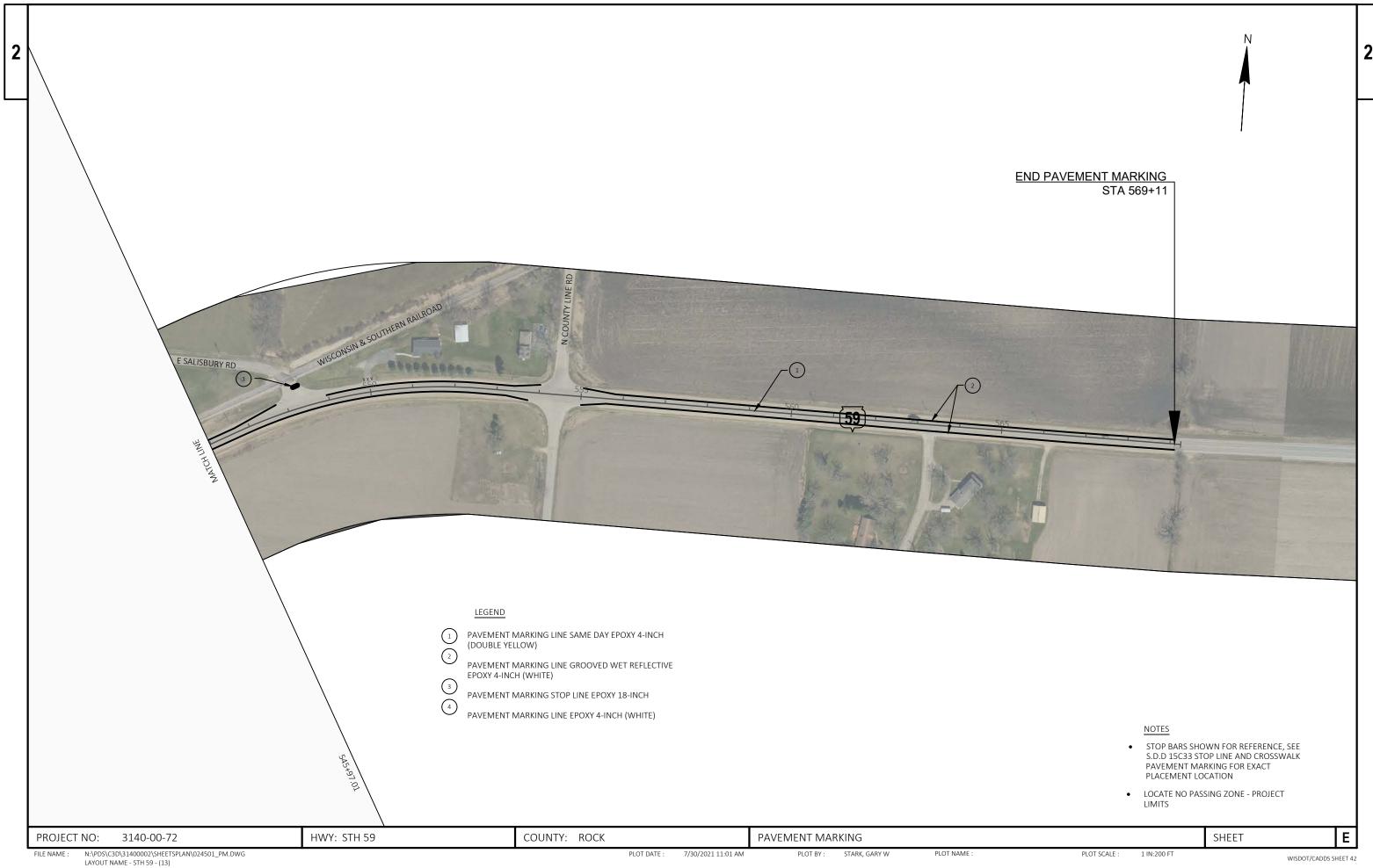
PAVEMENT MARKING LINE EPOXY 4-INCH (WHITE)

## NOTES

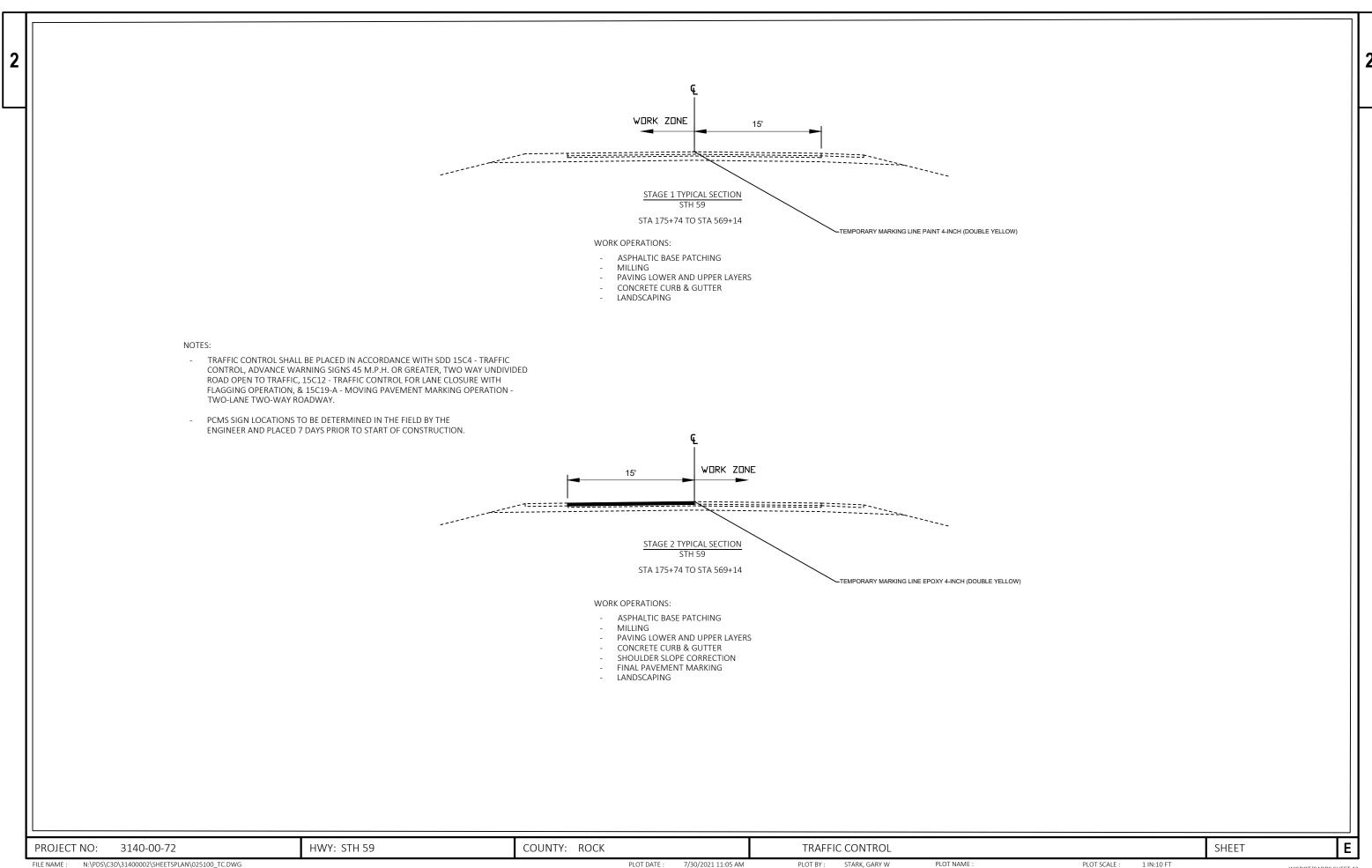
- STOP BARS SHOWN FOR REFERENCE, SEE S.D.D 15C33 STOP LINE AND CROSSWALK PAVEMENT MARKING FOR EXACT PLACEMENT LOCATION
- LOCATE NO PASSING ZONE PROJECT LIMITS

WISDOT/CADDS SHEET 42

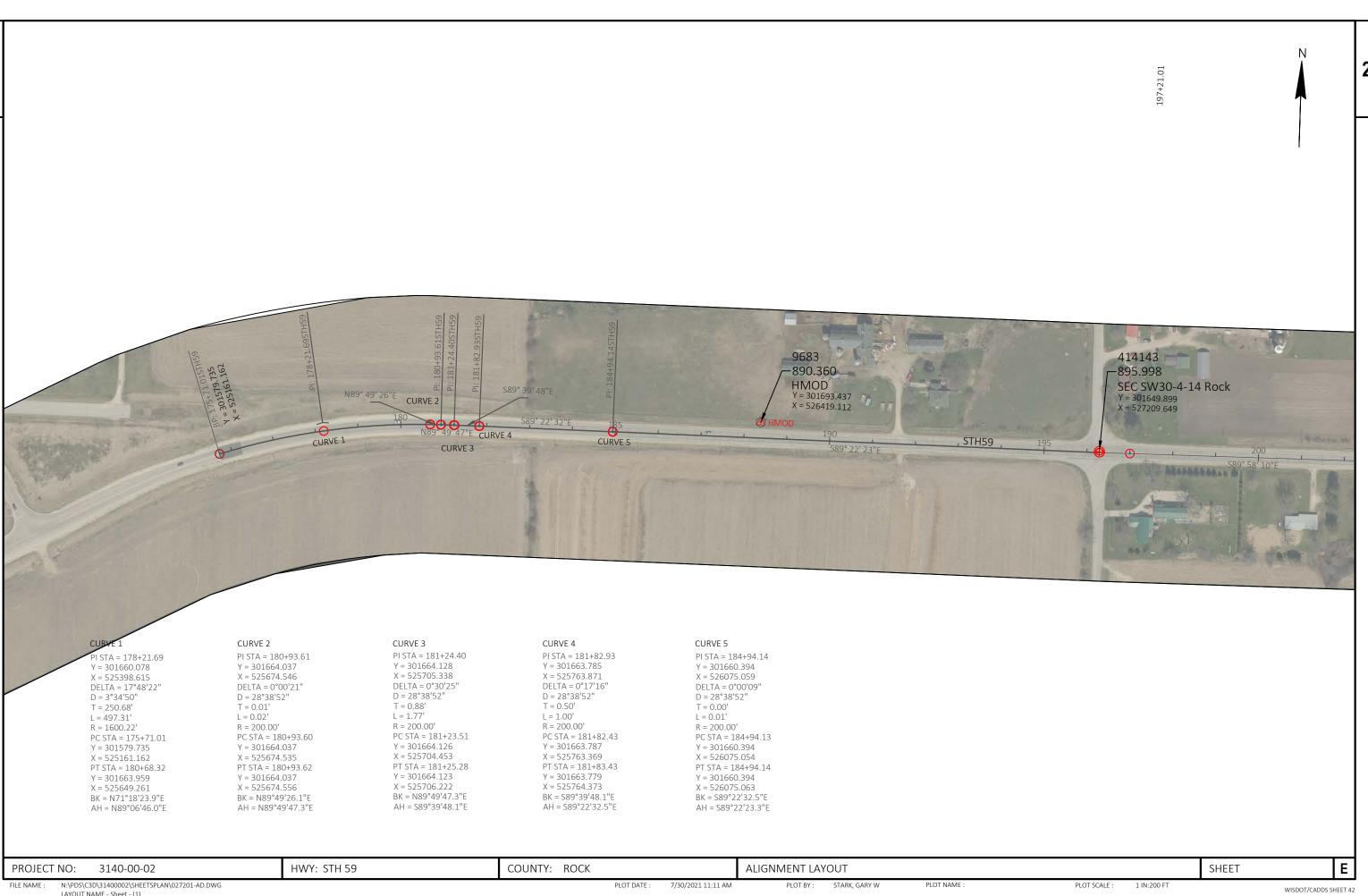
HWY: STH 59 COUNTY: ROCK PAVEMENT MARKING SHEET PROJECT NO: 3140-00-72 N:\PDS\C3D\31400002\SHEETSPLAN\024501\_PM.DWG LAYOUT NAME - STH 59 - (12) PLOT BY: STARK, GARY W PLOT DATE : 7/30/2021 11:01 AM PLOT NAME : PLOT SCALE : 1 IN:200 FT



WISDOT/CADDS SHEET 42



N:\PDS\C3D\31400002\SHEETSPLAN\025100\_TC.DWG 7/30/2021 11:05 AM PLOT BY: STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT WISDOT/CADDS SHEET 42



LAYOUT NAME - Sheet - (1)



X = 529654.265

## CURVE 6

PI STA = 203+47.08 Y = 301647.598 X = 527927.929 DELTA = 0°05'09" D = 28°38'50" T = 0.15'L = 0.30'R = 200.00'PC STA = 203+46.93 Y = 301647.598 X = 527927.780 PT STA = 203+47.23 Y = 301647.597 X = 527928.079 BK = S89°58'10.4"E AH = S89°53'01.4"E

#### CURVE 7

PI STA = 207+68.07 Y = 301646.743 X = 528348.922 DELTA = 0°07'17" D = 28°38'55" T = 0.09'T = 0.21'L = 0.18'L = 0.42'R = 200.00' PC STA = 207+67.86 Y = 301646.744 X = 528348.710 PT STA = 207+68.28 Y = 301646.743 X = 528349.134 BK = S89°53'01.4"E AH = N89°59'41.1"E

#### CURVE 8

PI STA = 212+93.24 PI STA = 214+92.71 Y = 301646.629 Y = 301646.791 X = 528874.090 X = 529073.562 DELTA = 0°03'06" DELTA = 0°05'50" D = 28°38'50" D = 28°38'50" T = 0.17' L = 0.34'R = 200.00'R = 200.00'PC STA = 212+93.15 PC STA = 214+92.54 Y = 301646.791 Y = 301646.630 X = 528873.999 X = 529073.393 PT STA = 212+93.33 PT STA = 214+92.88 Y = 301646.791 Y = 301646.629 X = 528874.180 X = 529073.732 BK = N89°59'41.1"E BK = S89°57'12.4"E AH = S89°57'12.4"E AH = S89°51'22.8"E

PLOT BY:

CURVE 9

#### CURVE 10

PI STA = 217+62.47 Y = 301645.953 X = 529343.323 DELTA = 0°03'31" D = 28°38'50" T = 0.10' L = 0.20' R = 200.00' PC STA = 217+62.37 Y = 301645.953 X = 529343.221 PT STA = 217+62.57 Y = 301645.953 X = 529343.425 BK = S89°51'22.8"E AH = S89°47'52.1"E

197+2

PROJECT NO: 3140-00-02 HWY: STH 59 COUNTY: ROCK 027201 AD

FILE NAME : N:\PDS\C3D\31400002\SHEETSPLAN\027201-AD.DWG LAYOUT NAME - Sheet - (2)

PLOT DATE : 7/30/2021 11:11 AM

STARK, GARY W PLOT NAME :

1 IN:200 FT

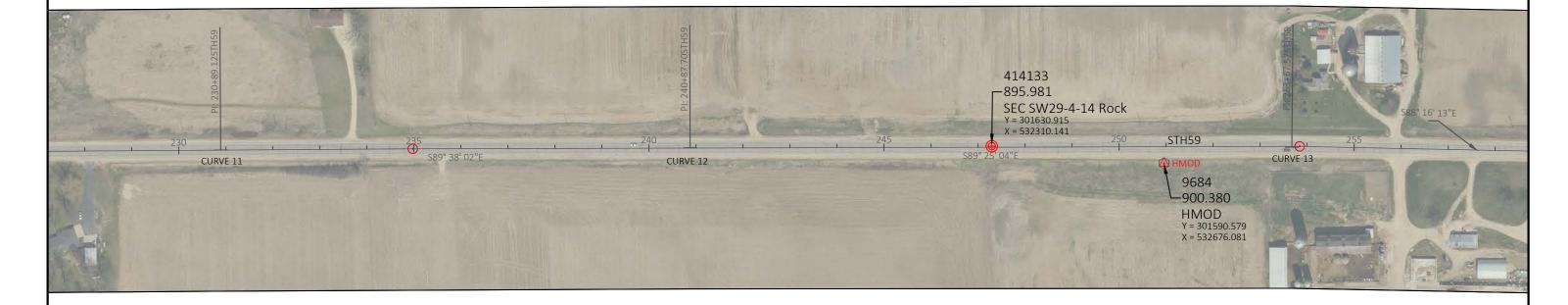
PLOT SCALE :

SHEET

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CURVE 11

PI STA = 230+89.12 Y = 301641.271 X = 530669.962 DELTA = 0°09'50" D = 28°38'50" T = 0.29' L = 0.57' R = 200.00' PC STA = 230+88.83 Y = 301641.272 X = 530669.676 PT STA = 230+89.41 Y = 301641.270 X = 530670.248 BK = S89°47'52.1"E AH = S89°38'01.9"E CURVE 12

PI STA = 240+87.70 Y = 301634.890 X = 531668.521 DELTA = 0°12'58" D = 28°38'50" T = 0.38' L = 0.75' R = 200.00' PC STA = 240+87.32 Y = 301634.892 X = 531668.144 PT STA = 240+88.08 Y = 301634.886 X = 531668.898 BK = S89°38'01.9"E AH = S89°25'04.2"E CURVE 13

PI STA = 253+67.57 Y = 301621.886 X = 532948.323 DELTA = 1°08'51" D = 28°38'50" T = 2.00' L = 4.01' R = 200.00' PC STA = 253+65.56 Y = 301621.906 X = 532946.320 PT STA = 253+69.57 Y = 301621.825 X = 532950.325 BK = S89°25'04.2"E AH = S88°16'13.2"E

PROJECT NO: 3140-00-02 HWY: STH 59

N:\PDS\C3D\31400002\SHEETSPLAN\027201-AD.DWG LAYOUT NAME - Sheet - (3)

FILE NAME :

COUNTY: ROCK

027201\_AD

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WISDOT/CADDS SHEET 42

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T DATE : 7/30/2021 11:11 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:200 FT

PT STA = 261+55.64

BK = S88°16'13.2"E AH = S88°20'08.5"E

Y = 301598.099

X = 533736.042

## CURVE 16

PI STA = 265+57.63 Y = 301585.647 X = 534137.837 DELTA = 0°02'46" D = 28°38'54" T = 0.08' L = 0.16' R = 200.00' PC STA = 265+57.55 Y = 301585.650 X = 534137.756 PT STA = 265+57.71 Y = 301585.644 X = 534137.917 BK = S88°05'47.2"E

AH = S88°08'33.3"E



288+71.01



CURVE 15

PI STA = 263+71.58 Y = 301591.827 X = 533951.886 DELTA = 0°14'21" D = 28°38'50" T = 0.42' L = 0.84'R = 200.00'PC STA = 263+71.16 Y = 301591.839 X = 533951.469 PT STA = 263+72.00 Y = 301591.813 X = 533952.304 BK = S88°20'08.5"E AH = S88°05'47.2"E

CURVE 17

PI STA = 274+03.38 Y = 301558.234 X = 534983.140 DELTA = 0°02'29" D = 28°38'54" T = 0.07'L = 0.14'R = 200.00'PC STA = 274+03.31 Y = 301558.237 X = 534983.068 PT STA = 274+03.45 Y = 301558.232 X = 534983.213 BK = S88°08'33.3"E AH = S88°11'02.0"E

CURVE 18

PLOT SCALE :

PI STA = 286+20.57 Y = 301519.659 X = 536199.715 DELTA = 0°07'15" D = 28°38'50" T = 0.21' L = 0.42' R = 200.00' PC STA = 286+20.36 Y = 301519.666 X = 536199.504 PT STA = 286+20.78 Y = 301519.652 X = 536199.926 BK = S88°11'02.0"E AH = S88°03'47.2"E

258+21.0



2

#### CURVE 19

PI STA = 293+78.54 Y = 301494.041 X = 536957.258 DELTA = 0°01'37" D = 28°38'52" T = 0.05'L = 0.09'R = 200.00'PC STA = 293+78.50 Y = 301494.042 X = 536957.211 PT STA = 293+78.59 Y = 301494.039 X = 536957.306 BK = S88°03'47.2"E AH = S88°05'24.5"E

CURVE 19

898.314-

Y = 301510.810

X = 537360.876

S88° 05' 24"E

CP FENO

#### CURVE 22

PI STA = 318+42.13 Y = 301405.168 X = 539419.234 DELTA = 0°04'56" D = 28°38'54" T = 0.14'L = 0.29'R = 200.00'PC STA = 318+41.98 Y = 301405.173 X = 539419.090



## CURVE 20

PI STA = 299+49.73 Y = 301475.005 Y = 5017.5... X = 537528.122DELTA = 0°09'16" D = 28°38'50" T = 0.27'L = 0.54' R = 200.00'PC STA = 299+49.46 Y = 301475.014 X = 537527.853 PT STA = 299+50.00 Y = 301474.995 X = 537528.392 BK = S88°05'24.5"E AH = S87°56'08.1"E

CP FENO X = 537705.771

414135 -908.673

X = 537605.353

SEC SW28-4-14 REMINENT STEEL SPIKE Rock Y=301470.869

### CURVE 21

PI STA = 310+87.90 Y = 301434.004 X = 538665.560 DELTA = 0°07'36" D = 28°38'50" T = 0.22' L = 0.44'R = 200.00'PC STA = 310+87.68 Y = 301434.012 X = 538665.339 PT STA = 310+88.12 Y = 301433.995 X = 538665.781 BK = S87°56'08.1"E AH = S87°48'32.0"E

Ε PROJECT NO: 3140-00-02 HWY: STH 59 COUNTY: ROCK 027201 AD SHEET

S88° 03' 47"E

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CURVE 24

PI STA = 324+93.24 Y = 301380.054 X = 540069.866 DELTA = 0°00'52" D = 28°38'55" T = 0.03' R = 200.00' PC STA = 324+93.22 Y = 301380.055 X = 540069.841 PT STA = 324+93.27 Y = 301380.053 X = 540069.891 BK = S87°42'15.1"E

AH = S87°43'06.9"E

CURVE 26

PI STA = 333+89.33 Y = 301344.052 X = 540965.229 DELTA = 0°11'09" D = 28°38'54" T = 0.32'L = 0.65'R = 200.00'PC STA = 333+89.01 Y = 301344.065 X = 540964.904 PT STA = 333+89.66 Y = 301344.040 X = 540965.553 BK = S87°39'43.0"E AH = S87°50'52.4"E

CURVE 27

PI STA = 339+00.99 Y = 301324.838 X = 541476.531 DELTA = 0°01'59" D = 28°38'55" T = 0.06' L = 0.12' R = 200.00' PC STA = 339+00.94 Y = 301324.840 X = 541476.473 PT STA = 339+01.05 Y = 301324.836 X = 541476.589 BK = S87°50'52.4"E

AH = S87°52'51.7"E

CURVE 29

PI STA = 346+43.36 Y = 301296.523 X = 542218.355 DELTA = 0°40'42" D = 28°38'54" T = 1.18'L = 2.37'R = 200.00' PC STA = 346+42.18 Y = 301296.576 X = 542217.172PT STA = 346+44.54 Y = 301296.484 X = 542219.538 BK = S87°26'41.8"E AH = S88°07'24.3"E



2



CURVE 23

PI STA = 321+39.80 Y = 301394.213 X = 539716.705 DELTA = 0°11'12" D = 28°38'50" T = 0.33'L = 0.65'R = 200.00' PC STA = 321+39.47 Y = 301394.225 X = 539716.379 PT STA = 321+40.13 Y = 301394.200 X = 539717.031 BK = S87°53'27.5"E AH = S87°42'15.1"E

CURVE 25

PI STA = 330+53.93 Y = 301357.735 X = 540630.106 DELTA = 0°03'24" D = 28°38'51" T = 0.10'L = 0.20'R = 200.00'PC STA = 330+53.83 Y = 301357.739 X = 540630.007 PT STA = 330+54.03 Y = 301357.731 X = 540630.204 BK = S87°43'06.9"E AH = S87°39'43.0"E

CURVE 28

PI STA = 345+29.50 Y = 301301.599 X = 542104.607 DELTA = 0°26'10" D = 28°38'50" T = 0.76'L = 1.52'R = 200.00'PC STA = 345+28.74 Y = 301301.627 X = 542103.847 PT STA = 345+30.26 Y = 301301.565 X = 542105.368 BK = S87°52'51.7"E AH = S87°26'41.8"E

319+21.01

PROJECT NO: 3140-00-02 HWY: STH 59 COUNTY: ROCK 027201 AD

FILE NAME : N:\PDS\C3D\31400002\\$HEETSPLAN\027201-AD.DWG LAYOUT NAME - Sheet - (6)

PLOT DATE : 7/30/2021 11:11 AM

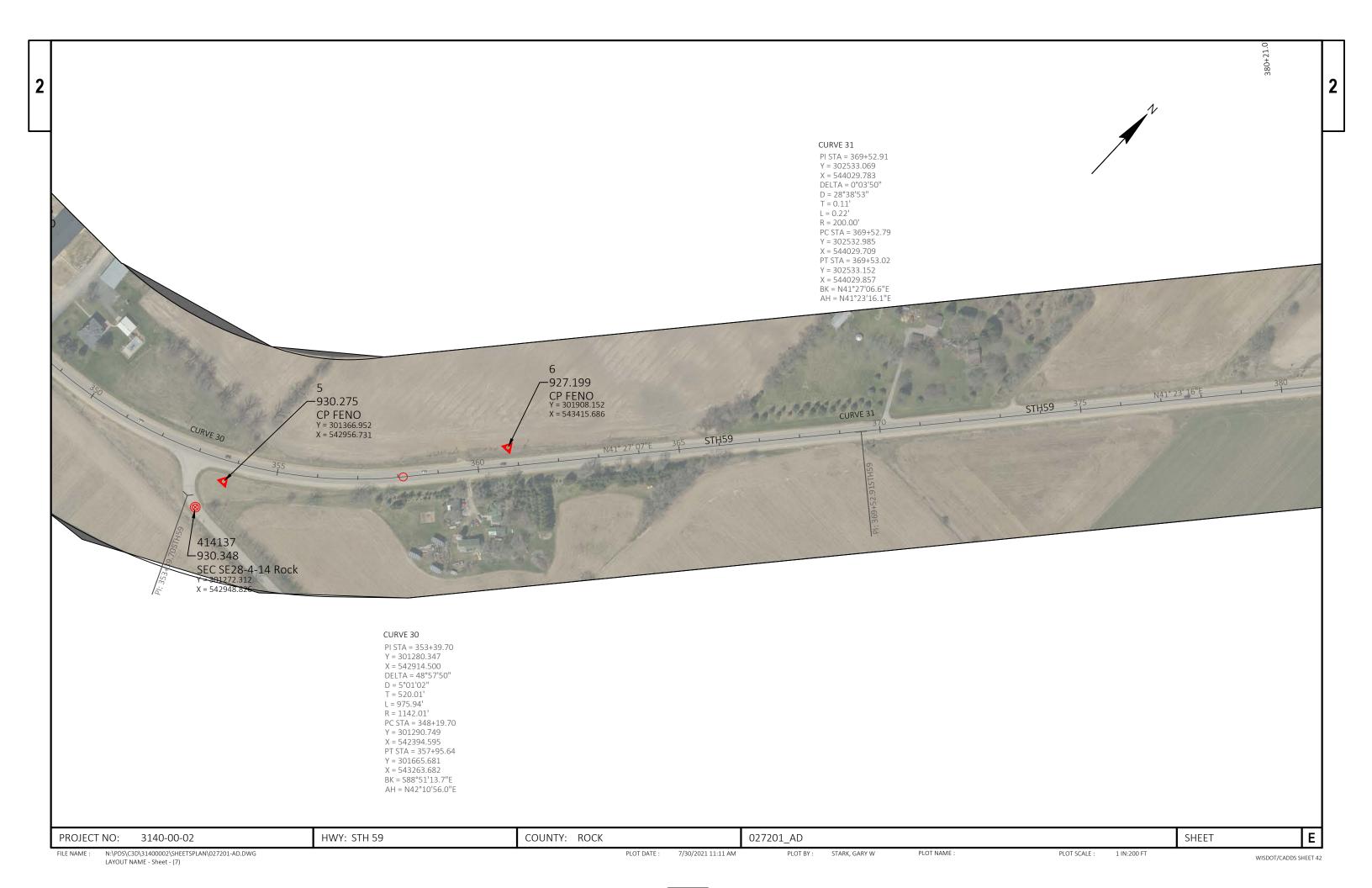
OT BY: STARK, GARY W

PLOT NAME :

PLOT SCALE : 1 IN:200 FT

SHEET

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#### CURVE 32

PI STA = 385+36.39 Y = 303721.080 X = 545076.707 DELTA = 0°00'03" D = 27°55'04" T = 0.00'L = 0.00'R = 205.23'PC STA = 385+36.39 Y = 303721.079 X = 545076.706 PT STA = 385+36.39 Y = 303721.081 X = 545076.708 BK = N41°23'16.1"E AH = N41°23'12.9"E

#### CURVE 33

PI STA = 387+67.95 Y = 303894.810 X = 545229.800 DELTA = 0°01'04" D = 28°38'56" T = 0.03'L = 0.06'R = 199.99' PC STA = 387+67.92 Y = 303894.787 X = 545229.780 PT STA = 387+67.98 Y = 303894.833 X = 545229.821 BK = N41°23'12.9"E AH = N41°22'09.0"E

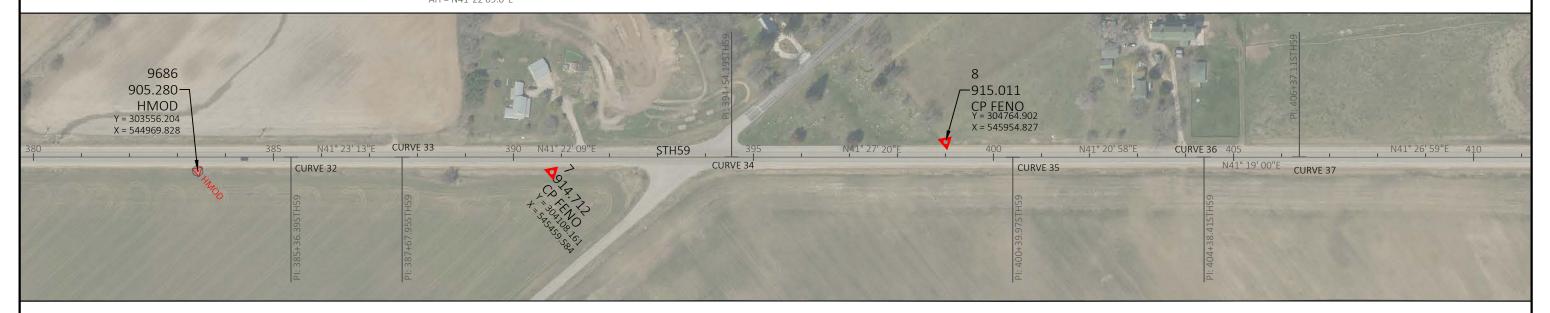
#### CURVE 35

PI STA = 400+39.97 Y = 304848.839 X = 546071.155 DELTA = 0°06'22" D = 28°38'54" T = 0.19' L = 0.37' R = 200.00' PC STA = 400+39.79 Y = 304848.700 X = 546071.033 PT STA = 400+40.16 Y = 304848.978 X = 546071.278 BK = N41°27'20.2"E AH = N41°20'58.0"E

#### CURVE 36

PI STA = 404+38.41 Y = 305147.945 X = 546334.384 DELTA = 0°01'58" D = 28°38'56" T = 0.06'L = 0.11'R = 199.99' PC STA = 404+38.36 Y = 305147.902 X = 546334.346PT STA = 404+38.47 Y = 305147.988 X = 546334.422 BK = N41°20'58.0"E AH = N41°18'59.5"E





## CURVE 34

PI STA = 394+54.19 Y = 304409.813 X = 545683.344 DELTA = 0°05'11" D = 28°38'50" T = 0.15'L = 0.30'R = 200.00'PC STA = 394+54.04 Y = 304409.700 X = 545683.245 PT STA = 394+54.34 Y = 304409.926 X = 545683.444 BK = N41°22'09.0"E AH = N41°27'20.2"E

## CURVE 37

PI STA = 406+37.11 Y = 305297.184 X = 546465.570 DELTA = 0°07'59" D = 28°38'50" T = 0.23' L = 0.46' R = 200.00' PC STA = 406+36.88 Y = 305297.009 X = 546465.416 PT STA = 406+37.35 Y = 305297.358 X = 546465.724 BK = N41°18'59.5"E AH = N41°26'58.6"E

380+21.0

FILE NAME : N:\PDS\C3D\31400002\SHEETSPLAN\027201-AD.DWG LAYOUT NAME - Sheet - (8)

PLOT DATE : 7/30/2021 11:11 AM

PLOT BY: STARK, GARY W

PLOT NAME :

PLOT SCALE : 1 IN:200 FT

CURVE 39 PI STA = 412+37.03 Y = 305746.687 X = 546862.874 DELTA = 0°53'58" D = 28°38'54" T = 1.57'L = 3.14'R = 200.00'PC STA = 412+35.46 Y = 305745.513 X = 546861.832

PT STA = 412+38.60

BK = N41°35'26 9"F

AH = N40°41'28.9"E

Y = 305747.878

X = 546863 897

PI STA = 414+22.13 Y = 305887.032 CURVE 40 X = 546983.552 DELTA = 2°23'26' D = 28°38'54" T = 4.17'1 = 8.34'R = 200.00'PC STA = 414+17.95 Y = 305883.868 X = 546980.831 PT STA = 414+26.30 Y = 305890.306X = 546986.138 BK = N40°41'28.9"E AH = N38°18'02.7"E

CURVE 40

CURVE 42 PI STA = 415+47.56 Y = 305988.136 X = 547057.699 DELTA = 2°22'43" D = 28°38'54" T = 4.15'L = 8.30'R = 200.00'PC STA = 415+43.40 Y = 305984.731 X = 547055.323

PT STA = 415+51.71

Y = 305991.637

X = 547059.932

BK = N34°54'26 1"F

AH = N32°31'42.9"E

CURVE 46 PI STA = 424+84.53 Y = 306793.796 X = 547535.864 DELTA = 0°11'16" D = 28°38'54" T = 0.33'L = 0.66'R = 200.00'PC STA = 424+84.21 Y = 306793 513 X = 547535.698PT STA = 424+84.86 Y = 306794.080 X = 547536.029BK = N30°21'41.5"E AH = N30°10'25.3"E

CURVE 47 PI STA = 426+63.74 Y = 306948.722 X = 547625.938 DELTA = 0°31'51" D = 28°38'54" T = 0.93'L = 1.85'R = 200.00'PC STA = 426+62.81 Y = 306947.921 X = 547625 472 PT STA = 426+64.67 Y = 306949.527 X = 547626.396 BK = N30°10'25.3"E AH = N29°38'34.5"E

PI STA = 428+49.02 Y = 307110.940 X = 547715.412 DELTA = 3°49'54" D = 28°38'54" T = 6.69'I = 13.37'R = 200.00'PC STA = 428+42.33 Y = 307105.012 X = 547712.311 PT STA = 428+55.71 Y = 307117.061 X = 547718.110 BK = N27°36'51.2"E AH = N23°46'57.3"E

CURVE 49

PI STA = 430+09.10 Y = 307259.398 X = 547775.099 DELTA = 3°28'41" D = 28°38'54" T = 6.07'L = 12.14'R = 200.00'PC STA = 430+03.03 Y = 307253.696 X = 547773.010 PT STA = 430+15.17 Y = 307265.216 X = 547776.839 BK = N20°07'29.1"E

AH = N16°38'47.8"E

CURVE 51

X = 547869.681 DELTA = 0°29'57" D = 28°38'54" T = 0.87'L = 1.74'R = 200.00'PC STA = 433+38.39 Y = 307574.891 X = 547869.432 PT STA = 433+40.14 Y = 307576 563 X = 547869.924 BK = N16°38'47.8"E AH = N16°08'50.3"E

CURVE 52

PI STA = 433+39.27

Y = 307575.726



## CURVE 38

PI STA = 411+39.53 Y = 305673.762 X = 546798.148 DELTA = 0°08'28" D = 28°38'50" T = 0.25'I = 0.49'R = 200.00'PC STA = 411+39.28 Y = 305673.577 X = 546797 985 PT STA = 411+39.77 Y = 305673.946 X = 546798.312 BK = N41°26'58.6"E

 $AH = N41^{\circ}35'26.9''E$ 

CURVE 41

PI STA = 414+71.95 Y = 305926.134 X = 547014.434 DELTA = 3°23'37"  $D = 28^{\circ}38'54''$ T = 5.92'L = 11.85'R = 200.00'PC STA = 414+66.03 Y = 305921485X = 547010.762 PT STA = 414+77.87 Y = 305930.993 X = 547017.824 BK = N38°18'02.7"F AH = N34°54'26.1"E

CURVE 43

PI STA = 417+16.45 Y = 306130.535 X = 547148.517 DELTA = 2°30'13" D = 28°38'54" T = 4.37'L = 8.74'R = 200.00'PC STA = 417+12.08 Y = 306126.851 X = 547146.167 PT STA = 417+20.82 Y = 306134.319 X = 547150.704BK = N32°31'42.9"E AH = N30°01'30.1"E CURVE 44

PI STA = 418+83.95 Y = 306275.562 X = 547232.333 DELTA = 0°19'40" D = 28°38'50" T = 0.57'I = 1.14'R = 200.00'PC STA = 418+83.38 Y = 306275.067 X = 547232.047 PT STA = 418+84.52 Y = 306276.055 X = 547232.622BK = N30°01'30.1"E AH = N30°21'09.7"E

CURVE 45

PI STA = 421+51.61 Y = 306506.535 X = 547367 588 DELTA = 0°00'32" D = 28°38'49" T = 0.02'I = 0.03'R = 200.01'PC STA = 421+51.60 Y = 306506.522 X = 547367.580 PT STA = 421+51.63 Y = 306506.548 X = 547367.596 BK = N30°21'09.7"E AH = N30°21'41.5"E

CURVE 48

PI STA = 427+79.33 Y = 307049.180 X = 547683 105 DELTA = 2°01'43" D = 28°38'54" T = 3.54'L = 7.08'R = 200.00'PC STA = 427+75.78 Y = 307046.102 X = 547681.354 PT STA = 427+82.87 Y = 307052.318 X = 547684.746BK = N29°38'34.5"E AH = N27°36'51.2"E CURVE 50

PI STA = 429+26.83 Y = 307182.143 X = 547746.790 DELTA = 3°39'28" D = 28°38'54" T = 6.39'L = 12.77'R = 200.00'PC STA = 429+20.44 Y = 307176.299 X = 547744 215 PT STA = 429+33.21 Y = 307188.139 X = 547748.987 BK = N23°46'57.3"E AH = N20°07'29.1"E

CURVE 53

PI STA = 435+73.33 Y = 307800.561 X = 547934.778 DELTA = 0°07'04" D = 28°38'50" T = 0.21'I = 0.41'R = 200.00'PC STA = 435+73.13 Y = 307800.364 X = 547934.721 PT STA = 435+73.54 Y = 307800.759 X = 547934.835 BK = N16°08'50.3"E AH = N16°15'54.7"E

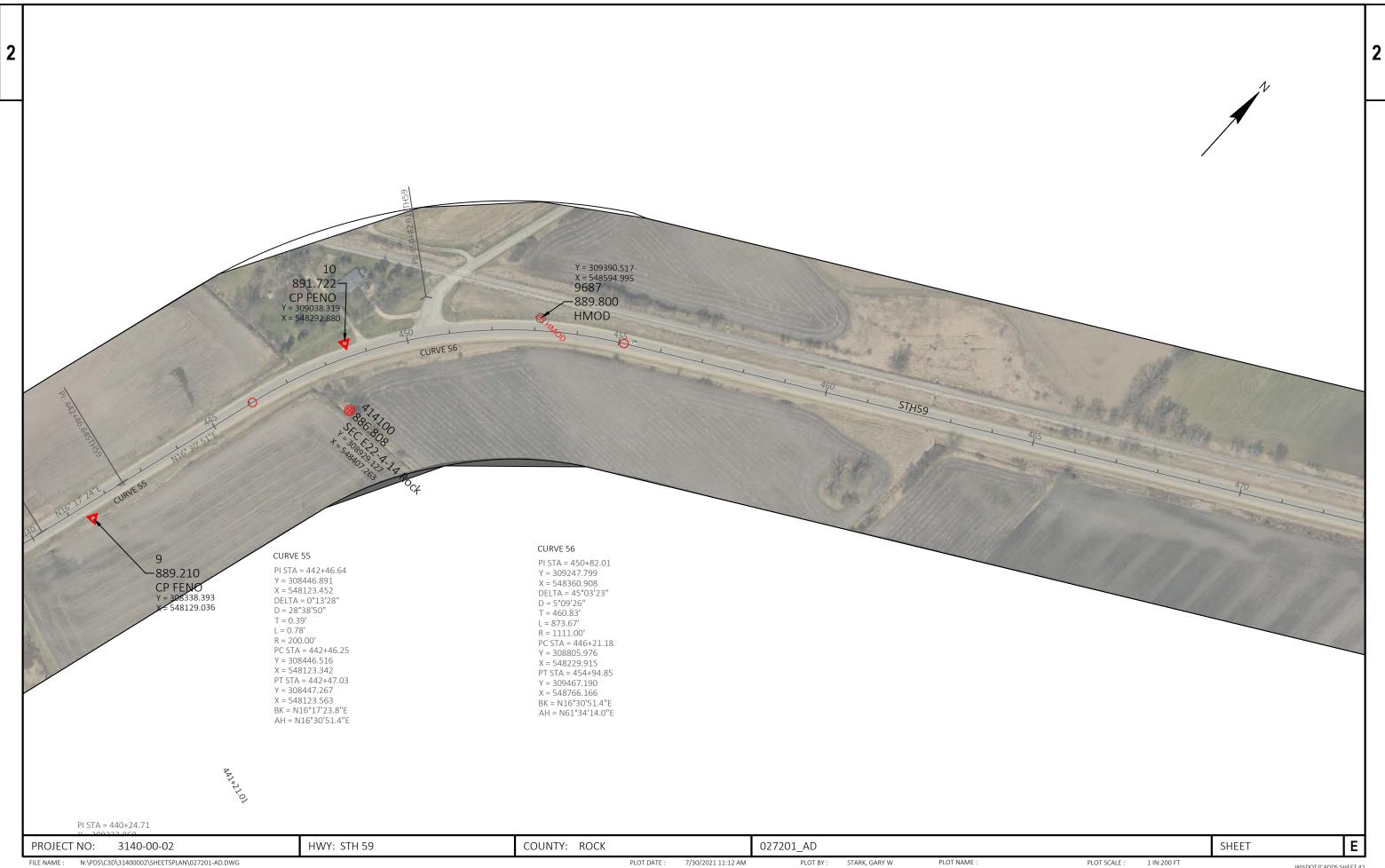
CURVE 54

SHEET

PI STA = 440+24.71 Y = 308233 868 X = 548061.200 DELTA = 0°01'29" D = 28°38'51" T = 0.04'L = 0.09'R = 200.00'PC STA = 440+24.66 Y = 308233.826 X = 548061.188 PT STA = 440+24.75 Y = 308233 909 X = 548061.212 BK = N16°15'54.7"E AH = N16°17'23.8"E

PROJECT NO: 3140-00-02 HWY: STH 59 COUNTY: ROCK 027201 AD N:\PDS\C3D\31400002\SHEETSPLAN\027201-AD.DWG PLOT DATE : 7/30/2021 11:11 AM PLOT BY: STARK, GARY W PLOT NAME FILE NAME

PLOT SCALE : 1 IN:200 FT Ε



N:\PDS\C3D\31400002\SHEETSPLAN\027201-AD.DWG LAYOUT NAME - Sheet - (10) WISDOT/CADDS SHEET 42







## CURVE 57

PI STA = 492+08.71
Y = 311235.272
X = 552032.154
DELTA = 0°02'29"
D = 28°38'51"
T = 0.07'
L = 0.14'
R = 200.00'
PC STA = 492+08.64
Y = 311235.238
X = 552032.091
PT STA = 492+08.78
Y = 311235.306
X = 552032.218
BK = N61°34'14.0"E
AH = N61°36'42.6"E

PLOT BY: STARK, GARY W

HWY: STH 59 COUNTY: ROCK 027201\_AD SHEET Ε PROJECT NO: 3140-00-02

PLOT DATE : 7/30/2021 11:12 AM

PLOT SCALE: 1 IN:200 FT

CURVE 58 PI STA = 518+77.49 Y = 312504.121 X = 554380.001 DELTA = 0°00'39" D = 28°38'54" T = 0.02'L = 0.04R = 200.00' PC STA = 518+77.47 Y = 312504.112 X = 554379.985 PT STA = 518+77.51 Y = 312504.130 X = 554380.018 BK = N61°36'42.6"E AH = N61°36'03.7"E Y = 312323.060 X = 553956.294 9688 -892.600 HMOD STH59 CURVE 59 CURVE 59 PI STA = 531+19.83 Y = 313094.992 X = 555472.839 DELTA = 0°02'13" D = 28°38'50" T = 0.06' L = 0.13'R = 200.00'PC STA = 531+19.77 Y = 313094.961 X = 555472.783 PT STA = 531+19.90 Y = 313095.022 X = 555472.896 BK = N61°36'03.7"E AH = N61°38'16.4"E

Ε PLOT NAME : FILE NAME : N:\PD\$\C3D\31400002\\$HEET\$PLAN\027201-AD.DWG PLOT DATE : 7/30/2021 11:12 AM PLOT BY: STARK, GARY W PLOT SCALE : 1 IN:200 FT WISDOT/CADDS SHEET 42 LAYOUT NAME - Sheet - (12)

027201\_AD

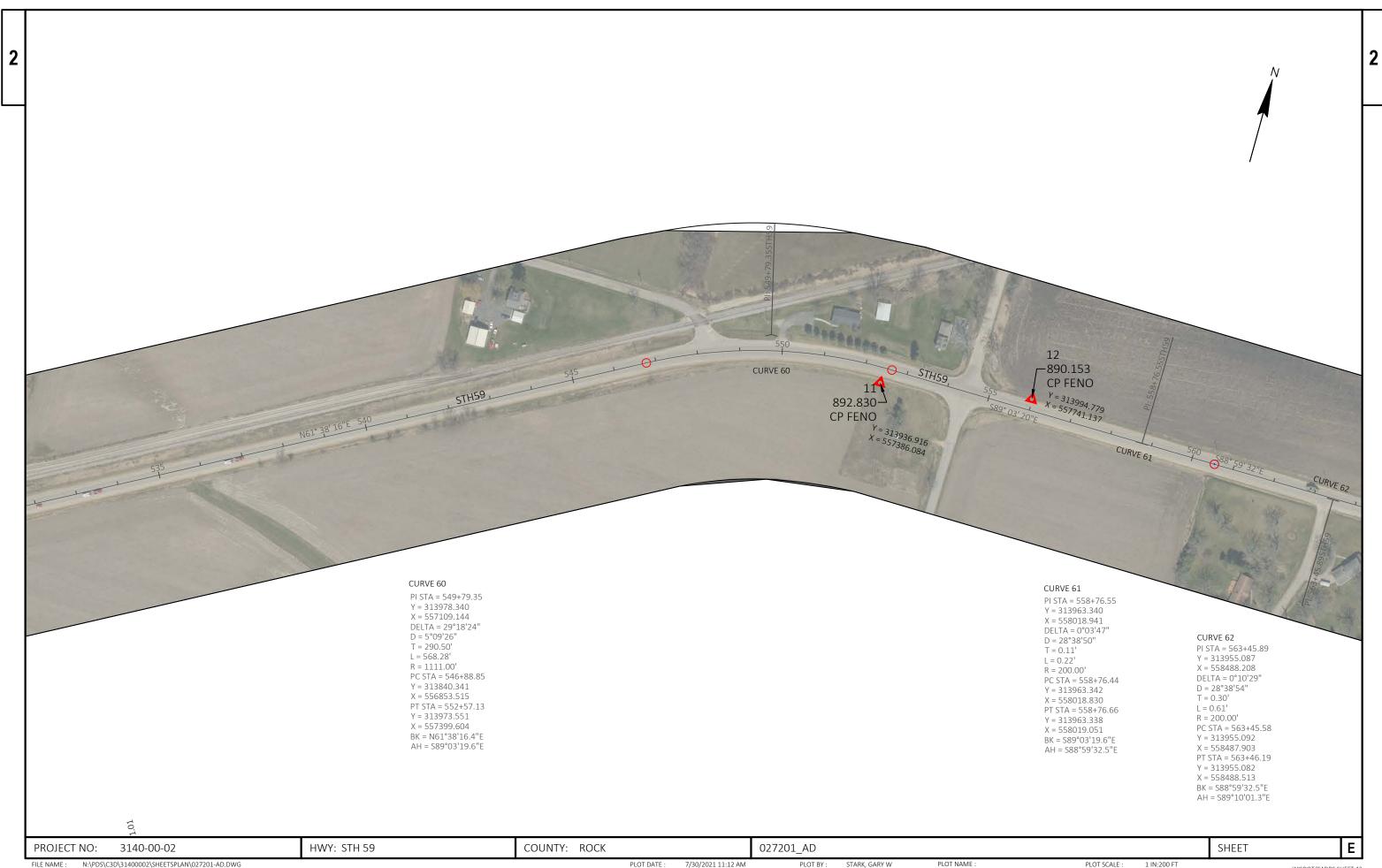
SHEET

COUNTY: ROCK

HWY: STH 59

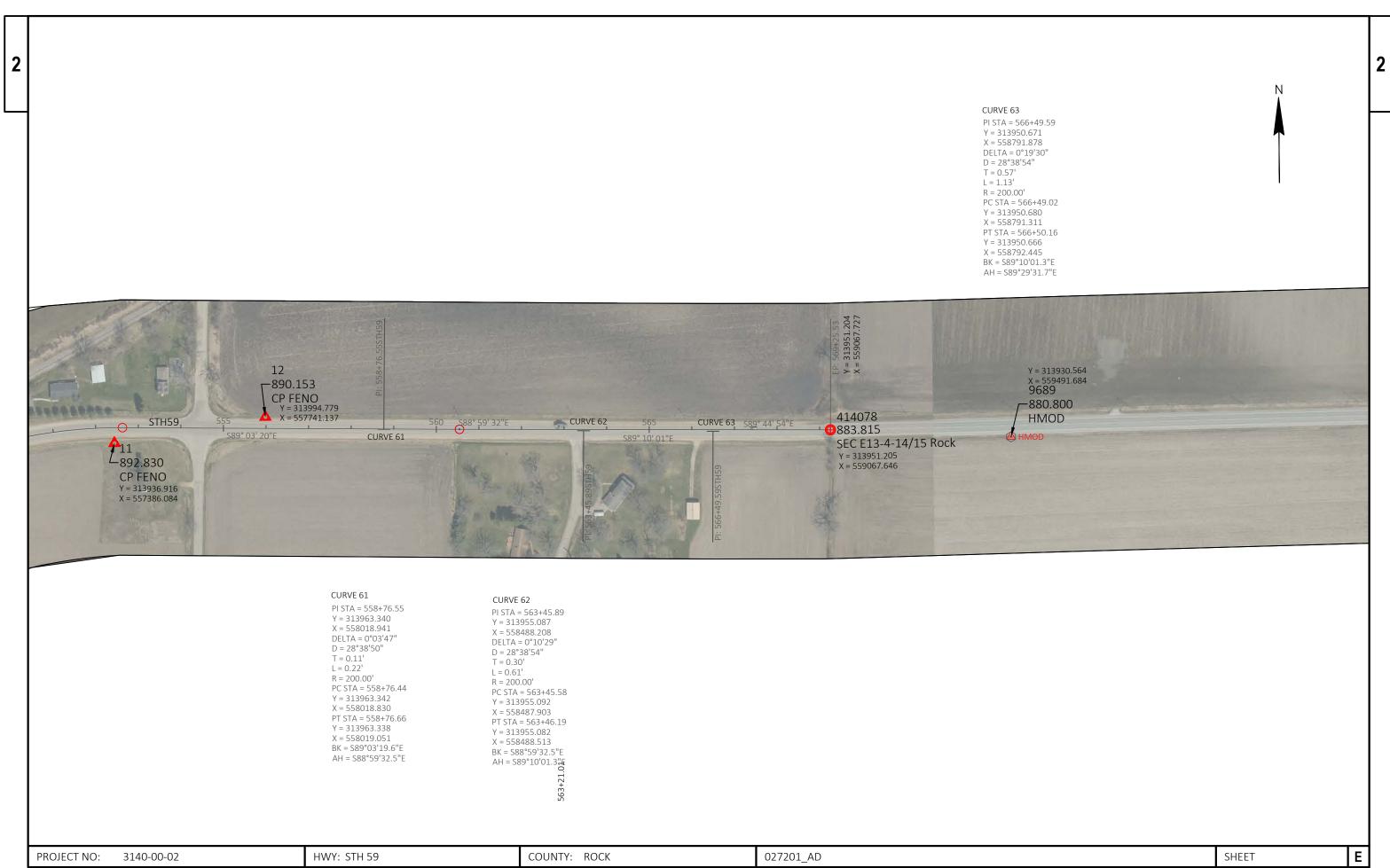
PROJECT NO:

3140-00-02



FILE NAME: N:\PDS\C3D\31400002\SHEETSPLAN\027201-AD.DWG PLOT BY: STARK, GARY W PLOT NAME: PLOT SCALE: 1 IN:200 FT WISDOT/CADDS SHEET 42

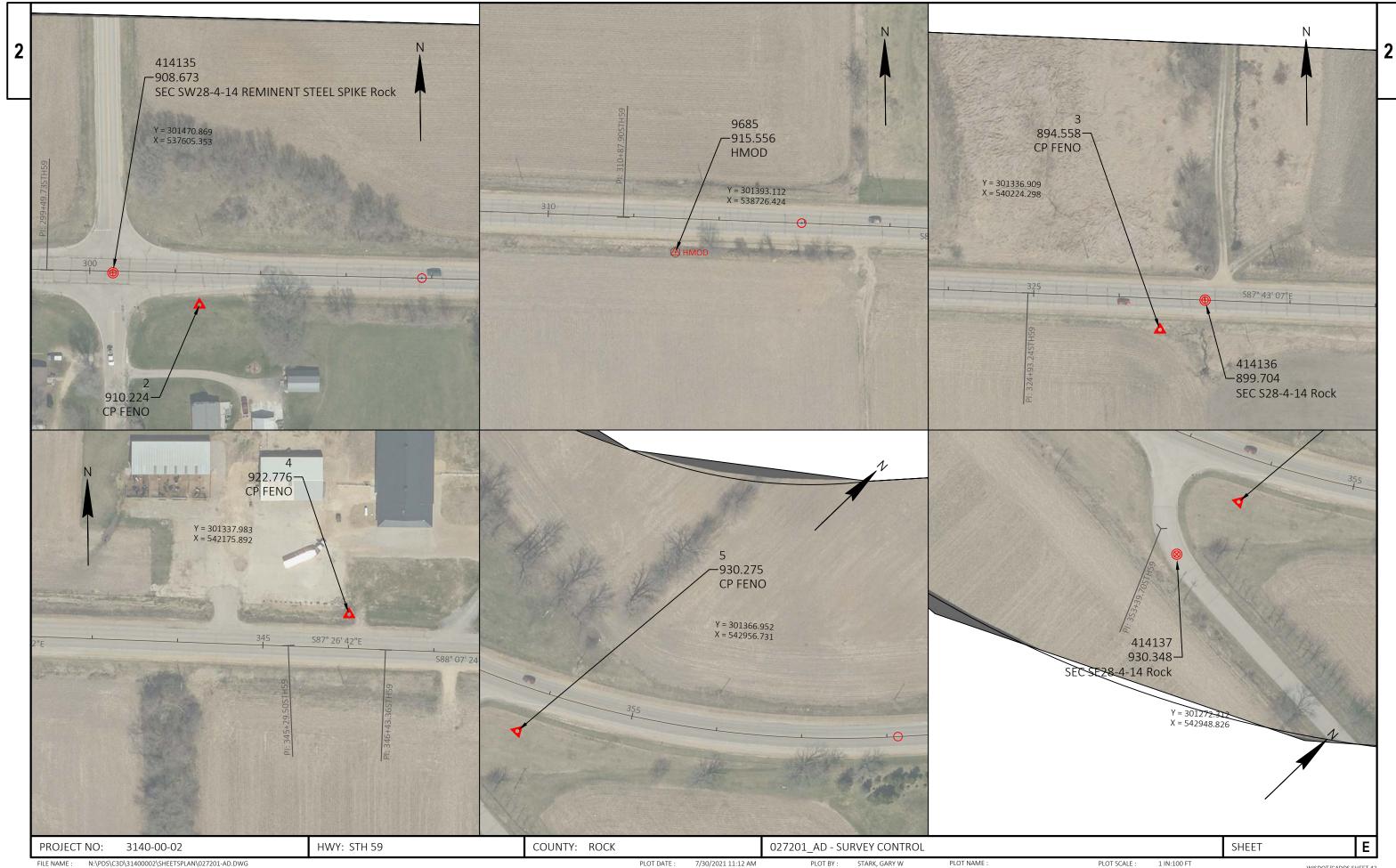
LAYOUT NAME - Sheet - (13)



FILE NAME: N:\PDS\C3D\\31400002\SHEETSPLAN\027201-AD.DWG PLOT DATE: 7/30/2021 11:12 AM PLOT BY: STARK, GARY W PLOT NAME: PLOT SCALE: 1 IN:200 FT WISDOT/CADDS SHEET 42 WISDOT/CADDS SHEET 42

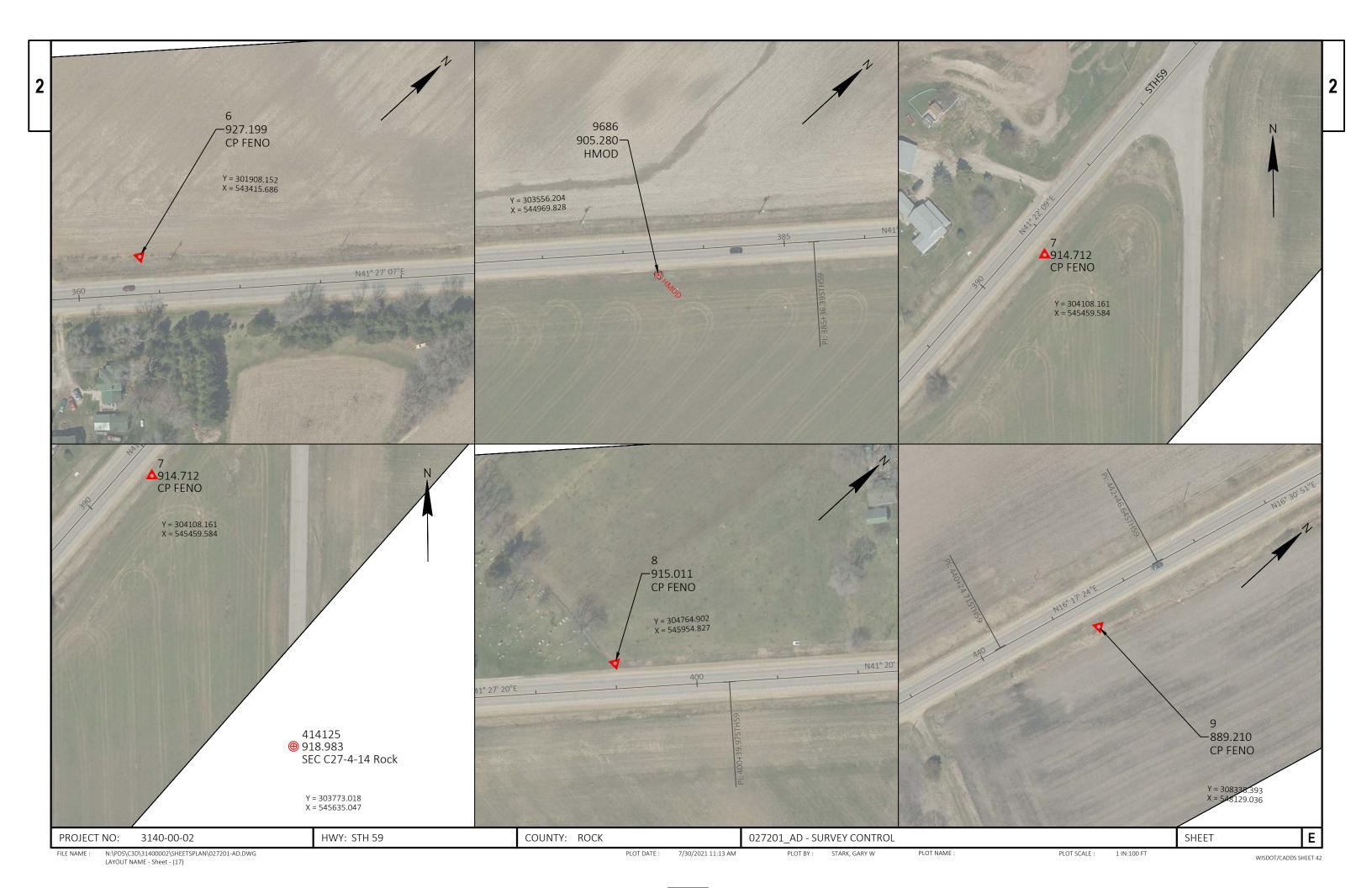


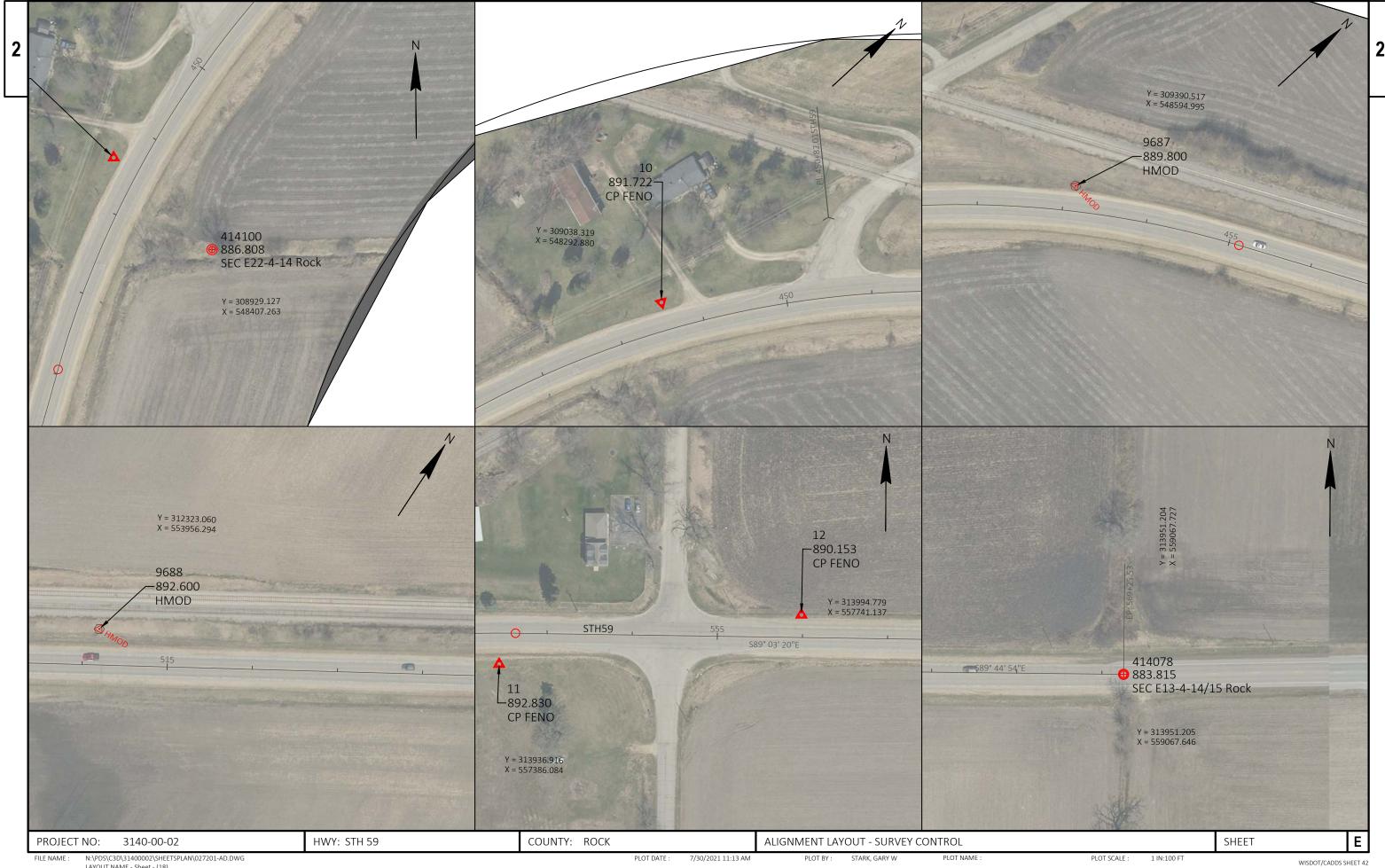
FILE NAME: N:\PDS\C3D\31400002\SHEETSPLAN\027201-AD.DWG PLOT DATE: 7/30/2021 11:12 AM PLOT BY: STARK, GARY W PLOT NAME: PLOT SCALE: 1 IN:100 FT WISDOT/CADDS SHEET 42 LAYOUT NAME - Sheet - (15)



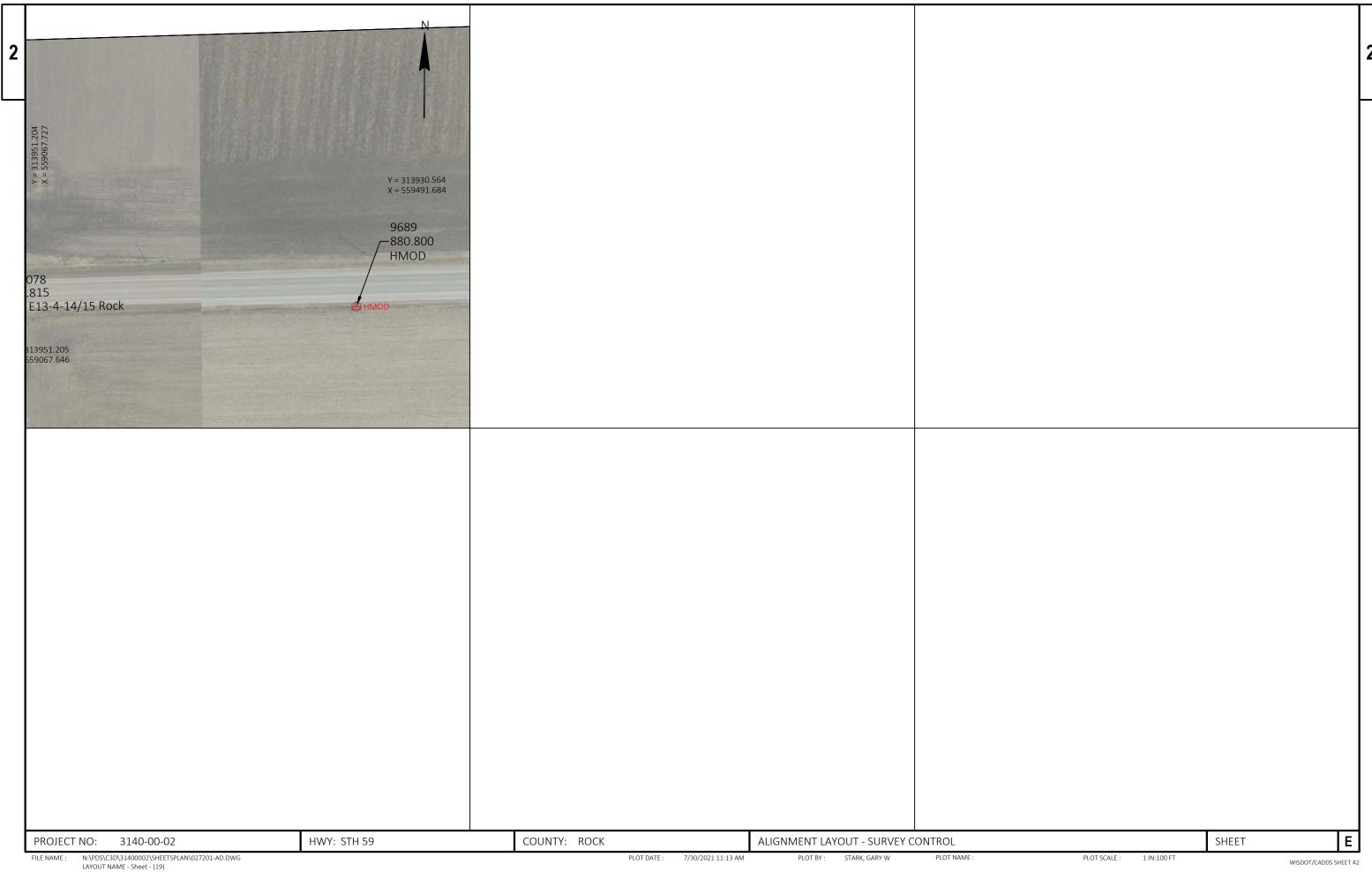
LAYOUT NAME - Sheet - (16)

WISDOT/CADDS SHEET 42





LAYOUT NAME - Sheet - (18)



PLOT DATE : 7/30/2021 11:13 AM

PLOT NAME :

PLOT SCALE: 1 IN:100 FT

WISDOT/CADDS SHEET 42

3140-00-72

Line	Item	Item Description	Unit	Total	Qty	
		·	EACH			
0002	203.0100	Removing Small Pipe Culverts Removing Asphaltic Surface	SY	2.000 301.000	2.000 301.000	
0004	204.0110	Removing Asphaltic Surface Removing Asphaltic Surface Milling				
0006	204.0125		TON	33,528.000	33,528.000	
8000	204.0150	Removing Curb & Gutter	LF	975.000	975.000	
0010	213.0100	Finishing Roadway (project) 01. 3140-00-72	EACH	1.000	1.000	
0012	305.0110	Base Aggregate Dense 3/4-Inch	TON	2,588.000	2,588.000	
0014	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	246.000	246.000	
0016	390.0201	Base Patching Asphaltic	TON	3,321.000	3,321.000	
0018	455.0605	Tack Coat	GAL	16,764.000	16,764.000	
0020		HMA Percent Within Limits (PWL) Test Strip Volumetrics	EACH	2.000	2.000	
0022		HMA Percent Within Limits (PWL) Test Strip Density	EACH	2.000	2.000	
0024	460.2000	Incentive Density HMA Pavement	DOL	19,657.000	19,657.000	
0026	460.2005	Incentive Density PWL HMA Pavement	DOL	11,014.000	11,014.000	
0028	460.2007	Incentive Density HMA Pavement Longitudinal Joints	DOL	78,678.000	78,678.000	
0030	460.2010	Incentive Air Voids HMA Pavement	DOL	13,872.000	13,872.000	
0032	460.6223	HMA Pavement 3 MT 58-28 S	TON	18,858.000	18,858.000	
0034	460.6224	HMA Pavement 4 MT 58-28 S	TON	14,671.000	14,671.000	
0036	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	55.000	55.000	
0038	465.0315	Asphaltic Flumes	SY	15.000	15.000	
0040	465.0425	Asphaltic Shoulder Rumble Strips 2-Lane Rural	LF	976.000	976.000	
0042	465.0475	Asphalt Centerline Rumble Strips 2-Lane Rural	LF	35,139.000	35,139.000	
0044		Culvert Pipe Liners (size) 01. 30-Inch	LF	70.000	70.000	
0046		Cleaning Culvert Pipes for Liner Verification	EACH	1.000	1.000	
0048	521.1030	Apron Endwalls for Culvert Pipe Steel 30-Inch	EACH	1.000	1.000	
0050	521.1036	Apron Endwalls for Culvert Pipe Steel 36-Inch	EACH	1.000	1.000	
0052	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	975.000	975.000	
0054	606.0100	Riprap Light	CY	2.000	2.000	
0056	619.1000	Mobilization	EACH	1.000	1.000	
0058	624.0100	Water	MGAL	27.030	27.030	
			SY			
0060	625.0500	Salvaged Topsoil		547.000	547.000	
0062	628.1504	Silt Fence	LF	142.000	142.000	
0064	628.1520	Silt Fence Maintenance	LF	35.000	35.000	
0066	628.1905	Mobilizations Erosion Control	EACH	1.000	1.000	
0068	628.1910	Mobilizations Emergency Erosion Control	EACH	1.000	1.000	
0070	628.2004	Erosion Mat Class I Type B	SY	547.000	547.000	
0072	628.7504	Temporary Ditch Checks	LF	79.000	79.000	
0074	629.0210	Fertilizer Type B	CWT	37.000	37.000	
0076	630.0130	Seeding Mixture No. 30	LB	15.000	15.000	
0078	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	14.000	14.000	
0800	637.2210	Signs Type II Reflective H	SF	20.000	20.000	
0082	637.2230	Signs Type II Reflective F	SF	56.000	56.000	
0084	638.2102	Moving Signs Type II	EACH	10.000	10.000	
0086	638.3000	Removing Small Sign Supports	EACH	10.000	10.000	
8800	642.5001	Field Office Type B	EACH	1.000	1.000	
0090	643.0300	Traffic Control Drums	DAY	1,469.000	1,469.000	
0092	643.0715	Traffic Control Warning Lights Type C	DAY	668.000	668.000	
0094	643.0900	Traffic Control Signs	DAY	2,338.000	2,338.000	
0096	643.1050	Traffic Control Signs PCMS	DAY	17.000	17.000	
0098	643.5000	Traffic Control	EACH	1.000	1.000	
3030	J-0.0000	Traine Control	LACIT	1.000	1.000	

## **Estimate Of Quantities**

3140-00-72

Page

Line	Item	Item Description	Unit	Total	Qty
0100	645.0130	Geotextile Type R	SY	5.000	5.000
0102	646.1020	Marking Line Epoxy 4-Inch	LF	67.000	67.000
0104	646.1040	Marking Line Grooved Wet Ref Epoxy 4-Inch	LF	78,678.000	78,678.000
0106	646.4520	Marking Line Same Day Epoxy 4-Inch	LF	78,836.000	78,836.000
0108	646.6120	Marking Stop Line Epoxy 18-Inch	LF	62.000	62.000
0110	648.0100	Locating No-Passing Zones	MI	7.450	7.450
0112	649.0105	Temporary Marking Line Paint 4-Inch	LF	78,678.000	78,678.000
0114	649.0120	Temporary Marking Line Epoxy 4-Inch	LF	78,678.000	78,678.000
0116	650.8000	Construction Staking Resurfacing Reference	LF	39,339.000	39,339.000
0118	650.9910	Construction Staking Supplemental Control (project) 01. 3140-00-72	LS	1.000	1.000
0120	690.0150	Sawing Asphalt	LF	24,954.000	24,954.000
0122	740.0440	Incentive IRI Ride	DOL	39,339.000	39,339.000
0124	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	1,800.000	1,800.000
0126	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	500.000	500.000
0128	SPV.0060	Special 01. Grading Sloped Endwall Area	EACH	2.000	2.000
0130	SPV.0060	Special 02. Landmark Reference Monuments Special	EACH	6.000	6.000
0132	SPV.0090	Special 01. Ditching and Shaping	LF	1,100.000	1,100.000

	REMOVING ASPHALTIC	SAWING
	SURFACE MILLING	ASPHALT
	204.0125	690.0150**
LOCATION	TON	LF
STH 59		
STA 175+72 TO 231+00	4527	32
STA 231+00 TO 286+00	4400	
STA 286+00 TO 341+00	4400	
STA 341+00 TO 396+00	4400	
STA 396+00 TO451+00	4464	
STA 451+00 TO 506+00	4463	
STA 506+00 TO 569+11	5051	30
SIDE ROAD LIMITS		
N VICKERMAN RD NORTH OF STH 59	113	30
N VICKERMAN RD SOUTH OF STH 59	130	28
CTH KK NORTH OF STH 59	144	26
CTH KK SOUTH OF STH 59	143	26
E BERG RD SOUTH OF STH 59	106	26
N LIMA CENTER RD NORTH OF STH 59	135	20
N LIMA CENTER RD SOUTH OF STH 59	212	22
E PIONEER RD WEST OF STH 59	114	26
E PIONEER RD EAST OF STH 59	136	22
E GOULD DR WEST OF STH 59	137	26
E SALISBURY RD WEST OF STH 59	126	26
E SALISBURY RD NORTH OF STH 59	116	28
N COUNTY LINE RD NORTH OF STH 59	77	26
N COUNTY LINE RD SOUTH OF STH 59	134	24
UNDISTRIBUTED		21
TOTAL	33,528	439

<sup>\*\*</sup> ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

			SAWING	
	SMALL PIPE CULVERTS	ASPHALTIC SURFACE	CURB & GUTTER	ASPHALT
	203.0100	204.0110	204.0150	690.0150**
LOCATION	EACH	SY	LF	LF
STH 59				
STA 287+34 RT (DWY)	<del></del>	28		31
STA 327+00 LT	1	<b></b>		<del></del>
STA 336+64 LT (DWY)	<b></b>	34		29
STA 344+58 LT (DWY)	<b></b>	31		38
STA 347+66 LT (DWY)	<b></b>	89		64
STA 370+19 LT (DWY)	<b></b>	24		33
STA 394+80 TO 397+90 LT			310	<del></del>
STA 416+54 RT (DWY)		39		32
STA 447+47 RT	1			<b></b>
STA 563+33 RT (DWY)	<b></b>	56		22
SIDE ROAD LIMITS				
CTH KK NW QUADRANT			60	
CTH KK SE QUADRANT	<b></b>		60	<b></b>
E BERG RD SW QUADRANT	<del></del>		70	<del></del>
E BERG RD SE QUADRANT			100	
N LIMA CENTER RD NW QUADRANT	<b></b>		50	<b></b>
N LIMA CENTER RD NE QUADRANT			45	
N LIMA CENTER RD SW QUADRANT	<b></b>		70	<b></b>
N LIMA CENTER RD SE QUADRANT	<b></b>		35	<b></b>
E SALISBURY RD (STA 450+50 LT) NW QUADRANT	<del></del>		30	<b></b>
E SALISBURY RD (STA 450+50 LT) NE QUADRANT	<b></b>		40	<b></b>
N COUNTY LINE RD NW QUADRANT			35	
N COUNTY LINE RD NE QUADRANT			70	
UNDISTRIBUTED				12
SUBTOTAL	2	301	975	261

<sup>\*\*</sup> ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

PROJECT NO: 3140-00-72 HWY: STH 59 COUNTY: ROCK MISCELLANEOUS QUANTITIES SHEET: **E** 

| PLOT DATE : \_\_\_\_\_ PLOT BY : \_\_\_\_ PLOT NAME : \_\_\_\_ PLOT SCALE : 1:1

					ASPHALTIC SHOULDER	ASPHALTIC CENTER LINE		LANDANDIK DEFEDENCE	
	BASE AGGREGATE DENSE	TACK		VEMENT	RUMBLE STRIPS	RUMBLE STRIP	14/ATED	LANDMARK REFERENCE	DITOLINO AND OLIADINO
	3/4 - INCH	COAT	3 MT 58-28 S	4 MT 58-28 S	2-LANE RURAL	2-LANE RURAL	WATER	MONUMENTS SPECIAL	DITCHING AND SHAPING
	305.0110**	455.0605	460.6223	460.6224	465.0425	465.0475	624.0100	SPV.0060.02	SPV.0090.01**
LOCATION	TON	GAL	TON	TON	LF	LF	MGAL	EACH	LF
STH 59									
STA 175+72 TO 231+00	341	2,264	2,546	1,981		5,128	3.41	2	<del></del>
STA 231+00 TO 286+00	340	2,200	2,475	1,925		5,500	3.40	2	
STA 286+00 TO 341+00	340	2,200	2,475	1,925		5,100	3.40	2	
STA 348+00 TO 359+00 RT	125						1.25		950
STA 341+00 TO 396+00	340	2,200	2,475	1,925		4,700	3.40		
STA 396+00 TO451+00	340	2,232	2,511	1,953		4,300	3.40		
STA 443+00 TO 458+50 LT					976			<del></del>	
STA 451+00 TO 506+00	340	2,231	2,510	1,953		5,100	3.40		
STA 506+00 TO 569+11	390	2,526	2,841	2,210		5,311	3.90		
SIDE ROAD LIMITS									
N VICKERMAN RD NORTH OF STH 59	1	57	64	50			0.01		
N VICKERMAN RD SOUTH OF STH 59	1	65	73	57			0.01		
CTH KK NORTH OF STH 59	1	72	81	63			0.01		
CTH KK SOUTH OF STH 59	1	71	80	62			0.01		
E BERG RD SOUTH OF STH 59	1	53	60	46			0.01		
N LIMA CENTER RD NORTH OF STH 59	2	67	76	59			0.02		
N LIMA CENTER RD SOUTH OF STH 59	3	106	119	93			0.03		
E PIONEER RD WEST OF STH 59	1	57	64	50			0.01		
E PIONEER RD EAST OF STH 59	2	68	77	60			0.02		
E GOULD DR WEST OF STH 59	1	69	77	60			0.01		
E SALISBURY RD WEST OF STH 59	3	63	71	55	<del></del>	<del></del>	0.03		<del></del>
E SALISBURY RD NORTH OF STH 59		58	65	51	<del></del>	<del></del>			<del></del>
N COUNTY LINE RD NORTH OF STH 59	1	38	43	34			0.01		
N COUNTY LINE RD SOUTH OF STH 59	2	67	75	59		<del></del>	0.02		
UNDISTRIBUTED							1.29		
TOTALS	2,576	16,764	18,858	14,671	976	35,139	27.03	6	950

<sup>\*\*</sup> ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

PROJECT NO: 3140-00-72 HWY: STH 59	COUNTY: ROCK	MISCELLANEOUS QUANTITIES	SHEET: E
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FILE NAME : \_\_\_\_\_ PLOT BY : \_\_\_\_ PLOT NAME : \_\_\_\_ PLOT SCALE : 1:1

7	
J	

LOCATION	BASE PATCHING ASPHALTIC 390.0201 TON	SAWING ASPHALT 690.0150** LF
STH 59		
STA 175+72 TO 231+00	407	3,395
STA 231+00 TO 286+00	396	3,300
STA 286+00 TO 341+00	705	3,300
STA 341+00 TO 396+00	396	3,300
STA 396+00 TO451+00	402	3,348
STA 451+00 TO 506+00	402	3,347
STA 506+00 TO 569+11	455	3,788
UNDISTRIBUTED	158	476
TOTAL	3,321	24,254

<sup>\*</sup> ENGINEER TO DETERMINE EXACT LOCATION IN THE FIELD

	DR	DRIVEWAYS				
	BASE AGGREGATE DENSE	ASPHALTIC SURFACE				
	3/4 - INCH	DWY AND FIELD ENTRANCES	ASPHALT FLUMES			
	305.0110**	465.0120	465.0315			
LOCATION	TON	TON	SY			
STH	159					
STA 287+34 RT (DWY)		5				
STA 336+64 LT (DWY)		6				
STA 344+58 LT (DWY)		6				
STA 347+66 LT (DWY)		16				
STA 370+19 LT (DWY)		5				
STA 416+54 RT (DWY)		7				
STA 563+33 RT (DWY)		10				
SIDE ROAD LIM	пѕ					
CTH KK SE QUADRANT			15			
E SALISBURY RD	12					
ТОТ	AL 12	55	15			

<sup>\*\*</sup> ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

LOCATION	BASE AGGREGATE DENSE 1 1/4 - INCH 305.0120 TON	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D 601.0557 LF	SALVAGED TOPSOIL 625.0500 SY	EROSION MAT CLASS 1 TYPE B 628.2004 SY	FERTILIZER TYPE B 629.0210 CWT	SEEDING MIXTURE NO. 30 630.0130 LB
STH 59						
STA 394+80 TO 397+90 LT	77	310	173	173	11	3
SIDE ROAD LIMITS						
CTH KK NW QUADRANT	15	60	34	34	2	1
CTH KK SE QUADRANT	15	60	34	34	2	1
E BERG RD SW QUADRANT	18	70	39	39	3	1
E BERG RD SE QUADRANT	25	100	56	56	4	1
N LIMA CENTER RD NW QUADRANT	13	50	28	28	2	1
N LIMA CENTER RD NE QUADRANT	11	45	25	25	2	1
N LIMA CENTER RD SW QUADRANT	18	70	39	39	3	1
N LIMA CENTER RD SE QUADRANT	9	35	20	20	1	1
E SALISBURY RD (STA 450+50 LT) NW QUADRANT	8	30	17	17	1	1
E SALISBURY RD (STA 450+50 LT) NE QUADRANT	10	40	23	23	2	1
N COUNTY LINE RD NW QUADRANT	9	35	20	20	1	1
N COUNTY LINE RD NE QUADRANT	18	70	39	39	3	1
TOTALS	246	975	547	547	37	15

PROJECT NO: 3140-00-72	HWY: STH 59	COUNTY: ROCK	MISCELLANEOUS QUANTITIES	SHEET:	Е
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FILE NAME : \_\_\_\_\_ PLOT BY : \_\_\_\_ PLOT NAME : \_\_\_\_ PLOT SCALE : 1:1

<sup>\*\*</sup> ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

	CULVERT PIPE LINER	CLEANING FOR LINER	APRON ENDWALL FOR (	CULVERT PIPE STEEL	GRADING SLOPED	
	30-INCH	VERIFICATION	30-INCH	36-INCH	ENDWALL AREA	DITCHING AND SHAPING
	520.9700.S	520.9750.S	521.1030	521.1036	SPV.0060.01	SPV.0090.01**
LOCATION	LF	EACH	EACH	EACH	EACH	LF
STH 59						
STA 327+00 LT		<del></del>			1	75
STA 441+10	70	1	1			
STA 447+47 RT				1	1	75
TOTAL	70	1	1	1	2	150

\*\* ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

TD/		$\sim$	$\cap$ NIT	rrol
117/-	VL L I	$\circ$	OIN	INOL

		WARNING LIGHTS		SIGNS
	DRUMS	TYPE C	SIGNS	PCMS
	643.0300*	643.0715*	643.0900*	643.1050*
LOCATION	DAY	DAY	DAY	DAY
STH 59				
STAGE 1	561	255	924	10
STAGE 2	891	405	1,400	
UNDISTRIBUTED	17	8	14	3

CONSTRUCTION STAKING RESURFACING SUPPLEMENTAL REFERENCE CONTROL (PROJECT) 650.9910 650.8000 LOCATION LF LS STH 59 STA 175+72 TO 569+11 RT & LT 39,339 TOTAL 39,339

\* ENGINEER TO DETERMINE EXACT LOCATION IN THE FIELD

MOBILIZATION	

				MOBILI	ZATION		
	RIPRAP		SILT FENCE	_	EMERGENCY	TEMPORARY	GEOTEXTILE FABRIC,
	LIGHT		MAINTENANCE	EROSION CONTROL	<b>EROSION CONTROL</b>	DITCH CHECKS	TYPE R
	606.0100	628.1504*	628.1520	628.1905	628.1910	628.7504*	645.0130
LOCATION	CY	LF	LF	EACH	EACH	LF	SY
STH 59							
STA 327+00 LT		75	19		<del></del>	25	
STA 441+10 RT	2	20	5	<del></del>			5
STA 447+47 RT		40	10	<del></del>		50	
PROJECT LIMITS				1	1		
UNDISTRIBUTED		7	2			4	
TOTALS	2	142	35	1	1	79	5

\* ENGINEER TO DETERMINE EXACT LOCATION IN THE FIELD

E HWY: STH 59 SHEET: PROJECT NO: 3140-00-72 COUNTY: ROCK MISCELLANEOUS QUANTITIES

PLOT NAME : \_\_\_\_\_

## PAVEMENT MARKING

		MARKING	LINE			
	EPOXY	SAME DAY	GROOVED WET REFLECTIVE	MARKING STOP	LOCATING	TEMPORARY MARKING LINE
	4-INCH	EPOXY 4-INCH	EPOXY 4-INCH	LINE EPOXY	NO PASSING	PAINT 4-INCH
	(WHITE)	(DOUBLE YELLOW)	(WHITE)	18-INCH	ZONE	(DOUBLE YELLOW)
	646.1020	646.4520	646.1040	646.6120	648.0100	649.0105
LOCATION	LF	LF	LF	LF	MI	LF
STH 59						_
STA 175+72 TO 231+00		11,056	11,056		1.05	11,056
STA 231+00 TO 286+00		11,000	11,000		1.04	11,000
STA 286+00 TO 341+00		11,000	11,000		1.04	11,000
STA 341+00 TO 396+00		11,000	11,000		1.04	11,000
STA 396+00 TO451+00		11,000	11,000		1.04	11,000
STA 451+00 TO 506+00		11,000	11,000		1.04	11,000
STA 506+00 TO 569+11		12,622	12,622		1.20	12,622
SIDE ROAD LIMITS						
N VICKERMAN RD NORTH OF STH 59				30		
N VICKERMAN RD SOUTH OF STH 59				29		
CTH KK NORTH OF STH 59	19	82		19		
CTH KK SOUTH OF STH 59	48	76		19		
E BERG RD SOUTH OF STH 59				29		
N LIMA CENTER RD NORTH OF STH 59				20		
N LIMA CENTER RD SOUTH OF STH 59				19		
E PIONEER RD WEST OF STH 59				43		
E PIONEER RD EAST OF STH 59				43		
E GOULD DR WEST OF STH 59				31		
E SALISBURY RD WEST OF STH 59				40		
E SALISBURY RD NORTH OF STH 59				36		
N COUNTY LINE RD NORTH OF STH 59				26		
N COUNTY LINE RD SOUTH OF STH 59				31		
TOTALS	67	78,836	78,678	415	7.45	78,678

PROJECT NO: 3140-00-72 HWY: STH 59 COUNTY: ROCK MISCELLANEOUS QUANTITIES SHEET: **E** 

FILE NAME : \_\_\_\_\_ PLOT DATE : \_\_\_\_ PLOT BY : \_\_\_\_ PLOT NAME : \_\_\_\_ PLOT SCALE : 1:1

Е

CATEGORY 0010

## 460.0105.S HMA PERCENT WITHIN LIMITS (PWL) TEST STRIP VOLUMETRICS

HMA PERCENT WITHIN LIMITS (PWL) TEST STRIP DENSITY

460.0110.S

		(PVVL) TEST STRIP VOLUMETRICS	(FWL) IEST STRIF DENSITT
PROJECT	MIX TYPE	EACH	EACH
3140-00-72			
	3 MT 58-28 S (LOWER LAYER)	1	1
	4 MT 58-28 S (UPPER LAYER)	1	1
TOTAL		2	2

							Quality Management	Program to be used for:
Location	Station	Mixture Use:	Underlying Surface	Bid Item	Tons	Thickness	Mixture Acceptance	Density Acceptance
DRIVING LANE - NB	STA 175+72 TO 569+11	LOWER LAYER	MILLED EXISTING HMA SURFACE	3MT58-28S	7081	2 1/4"	MIXTURE ACCEPTANCE PER SPCIFICATION 460	DRIVING LANES -QMP NUCLEAR DENSITY HMA PAVEMENT 460.2000
DRIVING LANE - SB	STA 175+72 TO 569+12	LOWER LAYER	MILLED EXISTING HMA SURFACE	3MT58-28S	7081	2 1/4"	MIXTURE ACCEPTANCE PER SPCIFICATION 460	DRIVING LANES -QMP NUCLEAR DENSITY HMA PAVEMENT 460.2000
OUTSIDE SHOULDER - NB	STA 175+72 TO 569+13	LOWER LAYER	MILLED EXISTING HMA SURFACE	3MT58-28S	1836	2 1/4"	MIXTURE ACCEPTANCE PER SPCIFICATION 460	DRIVING LANES -QMP NUCLEAR DENSITY HMA PAVEMENT 460.2000
OUTSIDE SHOULDER - SB	STA 175+72 TO 569+14	LOWER LAYER	MILLED EXISTING HMA SURFACE	3MT58-28S	1834	2 1/4"	MIXTURE ACCEPTANCE PER SPCIFICATION 460	DRIVING LANES -QMP NUCLEAR DENSITY HMA PAVEMENT 460.2000
SIDEROADS - PROJECT LIMITS	STA 175+72 TO 569+14	LOWER LAYER	MILLED EXISTING HMA SURFACE	3MT58-28S	1026	2 1/4"	MIXTURE ACCEPTANCE PER SPCIFICATION 460	DRIVING LANES -QMP NUCLEAR DENSITY HMA PAVEMENT 460.2000
DRIVING LANE - NB	STA 175+72 TO 569+15	UPPER LAYER	3MT58-28S	4MT58-28S	5507	1 3/4"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	DRIVING LANES - INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
DRIVING LANE - SB	STA 175+72 TO 569+16	UPPER LAYER	3MT58-28S	4MT58-28S	5507	1 3/4"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	DRIVING LANES - INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
OUTSIDE SHOULDER - NB	STA 175+72 TO 569+17	UPPER LAYER	3MT58-28S	4MT58-28S	1430	1 3/4"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE OR DECENTIVE
OUTSIDE SHOULDER - SB	STA 175+72 TO 569+18	UPPER LAYER	3MT58-28S	4MT58-28S	1428	1 3/4"	PWL INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE OR DECENTIVE
SIDEROADS - PROJECT LIMITS	STA 175+72 TO 569+14	UPPER LAYER	3MT58-28S	4MT58-28S	799	1 3/4"	MIXTURE ACCEPTANCE PER SPCIFICATION 460	DRIVING LANES -QMP NUCLEAR DENSITY HMA PAVEMENT 460.2000

SHEET: PROJECT NO: 3140-00-72 HWY: STH 59 COUNTY: ROCK MISCELLANEOUS QUANTITIES FILE NAME : \_\_\_ PLOT DATE : \_ PLOT NAME : \_\_\_\_ PLOT SCALE: 1:1

TYPE II PERMANENT SIGNING	3140-00-72
TYPE II PERMANENT SIGNING	3140-00-72
	0170-00-12

						637.2210	637.2230	638.2102	638.3000	634.0618		
						SIGNS	SIGNS	MOVING	REM			
	SIGN			SIGN		TYPE II	TYPE II	SIGNS	SMALL	POSTS	MOUNT	
SIGN	CODE	SIGN		SIZE		REFLECTIVE	RELFECTIVE	TYPE	SIGN	WOOD	ON SAME	
NO.	& SIZE	MESSAGE	W	Х	Н	Н	F	II	SUP	4" X 6" X 18'	POST AS	
			[IN.]	Х	[IN.]	[SF]	[SF]	[EA]	[EA]	[EA]	SIGN#	REMARKS / NEW SIGN LOCATION
1	W10-3R(2S)		36	X	36		9			1		MOUNT AT STATION 552+00 WESTBOUND PRIOR TO E SALISBURY RD (EAST CONNECTOR)
2	W10-3L(2S)		36	Χ	36		9			1		MOUNT AT STATION 543 +00 EASTBOUND PRIOR TO E SALISBURY RD (EAST CONNECTOR
3	W10-3L(2S)		36	Χ	36		9			1		MOUNT AT STATION 446 +00 EASTBOUND PRIOR TO E. SALISBURY RD (WEST CONNECTOR)
4	W10-3R(2S)		36	X	36		9			1		MOUNT AT STAITON 456+00 WESTBOUND PRIOR TO E.SALISBURY RD (WEST CONNECTOR)
		MOVE NO PASSING PENNANTS AS NEEDED						4	4	4		
		UNDISTRIBUTED				20.000	20.000	6	6	6		
		TOTALS				20.000	56.000	10	10	14		
						-						

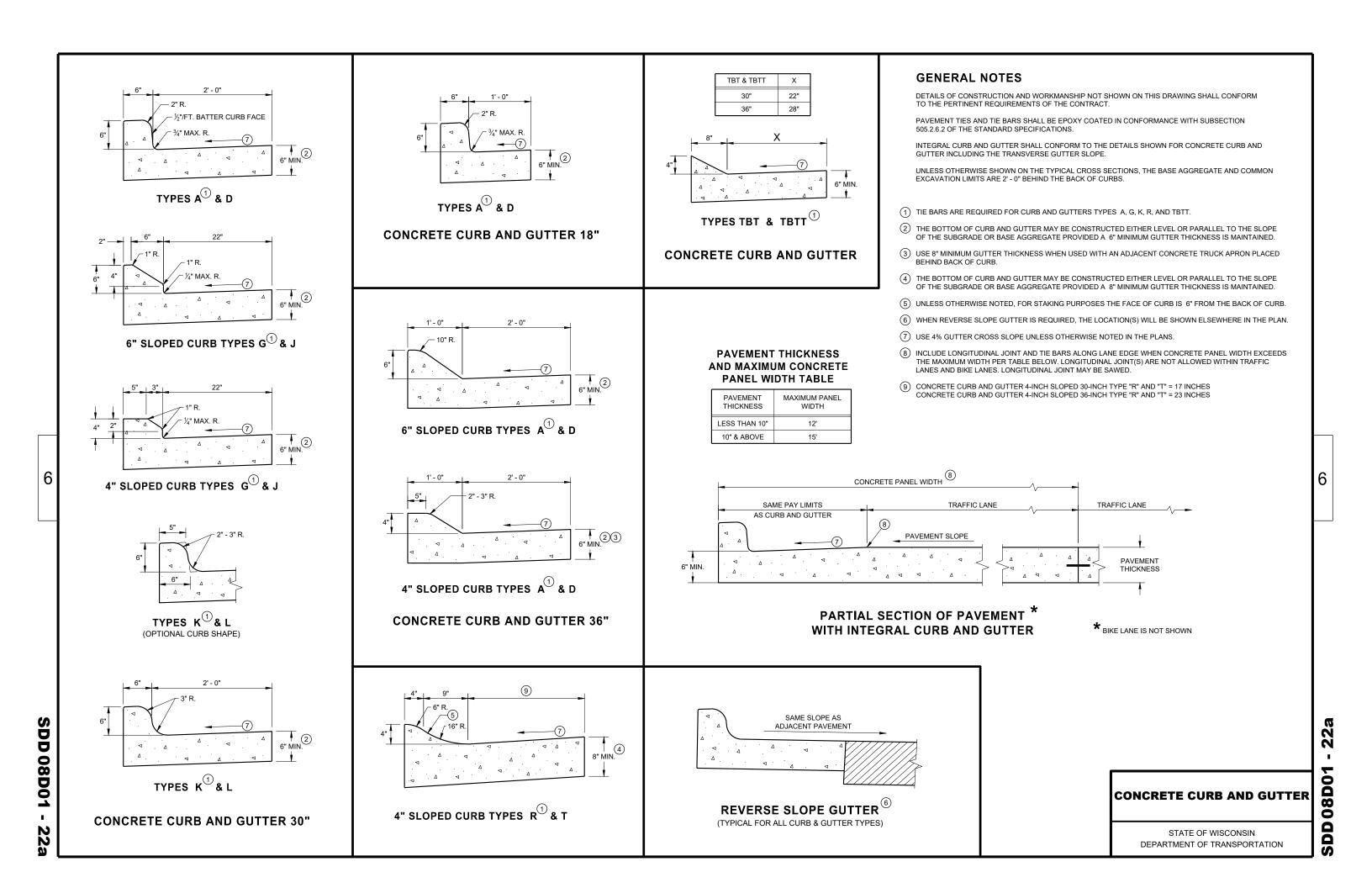
SHEET: 1 OF 1

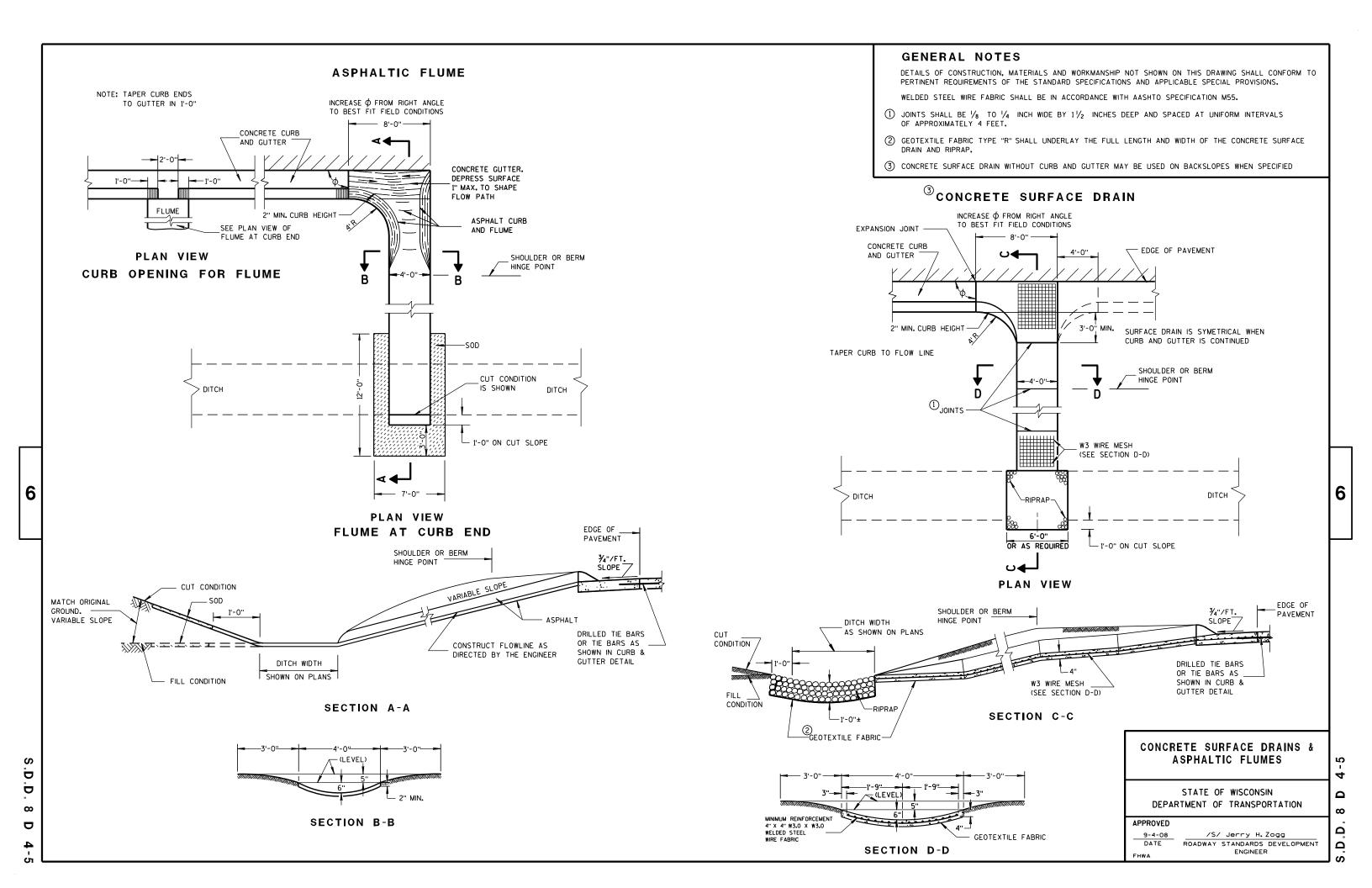
E COUNTY: ROCK SHEET: PROJECT NO: 3140-00-72 HWY: STH 59 MISCELLANEOUS QUANTITIES - PERMANENT SIGNING PLOT NAME: 030501\_MQ.pdf PLOT DATE : 7/26/2021 PLOT BY : DOTTAH PLOT SCALE : 1:1

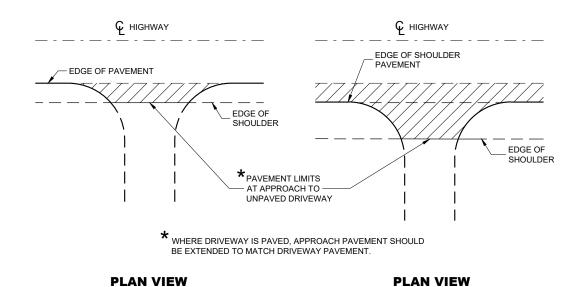
## Standard Detail Drawing List

08D01-22A 08D04-05 08D21-01	CONCRETE CURB & GUTTER CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES DRI VEWAYS WITHOUT CURB & GUTTER DESCRIPTION OF THE PROPERTY
08D22-01	DRIVEWAYS WITHOUT CURB & GUTTER RESURFACING PROJECTS RURAL TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E08-03 08E09-06	SILT FENCE
08E09-00 08F01-11	APRON ENDWALLS FOR CULVERT PIPE
13A10-02A	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A10-02C	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A10-02D	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A11-03A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-03B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13C19-03	HMA LONGITUDINAL JOINTS
14B29-01	SAFETY EDGE
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C12-07	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C19-06A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS

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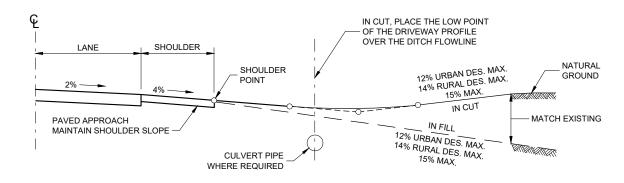




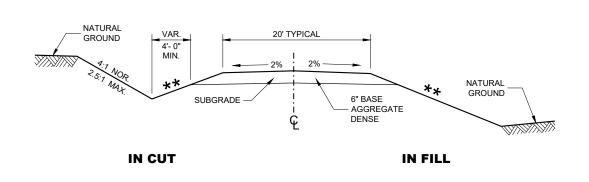


RURAL DRIVEWAY INTERSECTION DETAIL (NO CURB AND GUTTER OR SIDEWALK)

(PAVED SHOULDER ON HIGHWAY)



### **TYPICAL DRIVEWAY PROFILES**

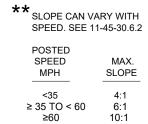


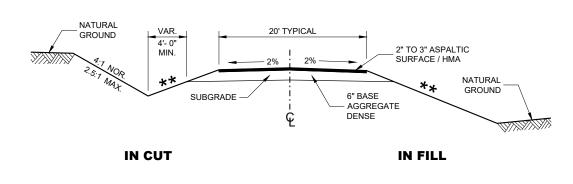
**TYPICAL CROSS SECTION FOR** 

PRIVATE DRIVE OR FIELD ENTRANCE

**AGGREGATE SURFACE** 

(UNPAVED SHOULDER ON HIGHWAY)





# TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE ASPHALTIC SURFACE

## DRIVEWAYS WITHOUT CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

December 2017

DATE

/S/ Rodney Taylor

ROADWAY STANDARDS DEVELOPMENT

UNIT SUPERVISOR

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PARTMENT OF TRANS

DESIGN WILL DETERMINE FINAL DRIVEWAY ASPHALTIC THICKNESS BASED ON TYPE OF USAGE AND LOADINGS.

EXISTING ASPHALTIC SURFACE DRIVEWAY — 8' TO 10' SHOULDER —= HMA PAVEMENT - 5' TO 20' -5' TO 7'-OVERLAY 2.00% 4.00% VARIES - EXISTING HMA PAVEMENT REMOVE EXISTING ASPH. PAV'T EXISTING BASE & BASE COURSE TO A DEPTH AGGREGATE DENSE SUFFICIENT TO PLACE 2" TO 3" ASPHALTIC SURFACE & 6" 2" TO 3" ASPHALTIC SURFACE (1) BASE AGGREGATE DENSE 6" BASE AGGREGATE MATCH EXISTING DRIVEWAY DENSE (MAY BE INCREASED FOR CLAY SUBGRADES)

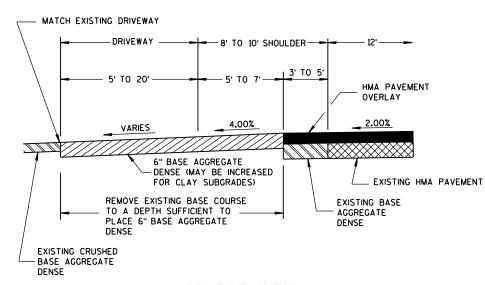
**PLAN VIEW** 

HALF SECTION

PROFILE VIEW

RURAL ENTRANCE
WITH ASPHALTIC SURFACE

RESURFACING PROJECTS



PLAN VIEW HALF SECTION

PROFILE VIEW

RURAL ENTRANCE
WITH AGGREGATE SURFACE

6" BASE AGGREGATE DENSE RESURFACING PROJECTS

DRIVEWAYS WITHOUT CURB & GUTTER RESURFACING PROJECTS RURAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

FHWA

 $\frac{\text{December. 2016}}{\text{DATE}} \underbrace{\begin{array}{c} \text{2016} \\ \text{ROADWAY STANDARDS DEVELOPMENT} \end{array}}_{}$ 

UNIT SUPERVISOR

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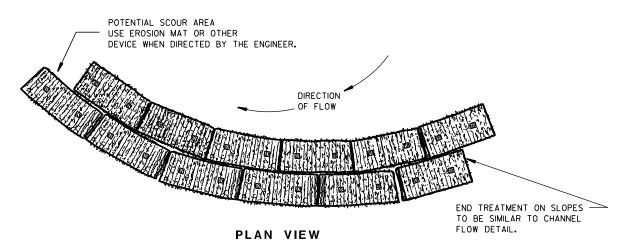
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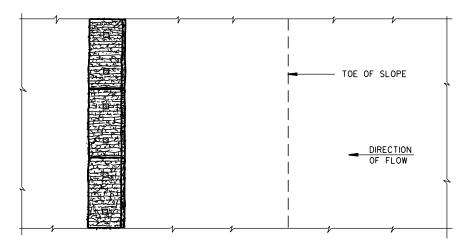
#### **GENERAL NOTES**

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

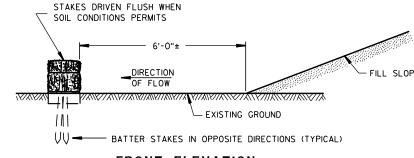
TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.



WHEN ALTERING THE DIRECTION OF FLOW



#### **PLAN VIEW**



#### FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

**EROSION BALES FOR SHEET FLOW** 

## TYPICAL INSTALLATIONS OF **EROSION BALES / TEMPORARY** DITCH CHECKS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

6/04/02 /S/ Beth Connestro
CHIEF ROADWAY DEVELOPMENT ENGINEER

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## TYPICAL APPLICATION OF SILT FENCE

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## PLAN VIEW SILT FENCE AT MEDIAN SURFACE DRAINS



## GENERAL NOTES

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

- $\bigcirc$  HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- ② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- 3 WOOD POSTS SHALL BE A MINIMUM SIZE OF 11/8" X 11/8" OF OAK OR HICKORY.
- 4) SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
- (5) CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



TRENCH DETAIL



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)



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END CORNER

1/16" DIA. HOLES FOR

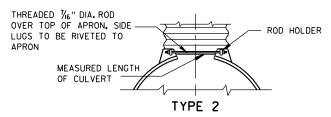
BOLTS OR RIVETS -

12" C-C MAX. SPACING

			N	METAL	APR	ON EI	NDWAL	.LS			
PIPE	MIN. T	HICK.			DIMENS	SIONS (I	nches)			APPROX.	
DIA. (IN.)	(Inch		A (±]")	B (MAX.)	H (±]")	L (±1 ½")	<u>1</u> ()	L 2	₩ (±2")	SLOPE	BODY
12	.064	.060	6	6	6	21	12	171/2	24	2½+o 1	1Pc.
15	.064	.060	7	8	6	26	14	213/4	30	21/2+o 1	1 Pc.
18	.064	.060	8	10	6	31	15	281/4	36	$2\frac{1}{2}$ to 1	1Pc.
21	.064	.060	9	12	6	36	18	29%	42	$2\frac{1}{2}$ to 1	1Pc.
24	.064	.075	10	13	6	41	18	371/4	48	21/2+0 1	1Pc.
30	.079	.075	12	16	8	51	18	521/4	60	2½+o 1	1Pc.
36	.079	<b>.</b> 105	14	19	9	60	24	59¾	72	2½+o 1	2 Pc.
42	.109	<b>.</b> 105	16	22	11	69	24	75%	84	21/2+o 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 <sup>1</sup> / <sub>4</sub> †o 1	3 Pc.
54	.109	.105	18	30	12	84	30	851/2	102	2 <sup>1</sup> / <sub>4</sub> †o 1	3 Pc.
60	.109×	.105×	18	33	12	87	_	_	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	_	_	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	_	_	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	_	_	132	11/2+0 1	3 Pc.
84	.109×	.105×	18	45	12	87	_	_	138	1½+o 1	3 Pc.
90	.109×	.105×	18	37	12	87	_	_	144	11/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	ı	ı	150	1½+0 1	3 Pc.

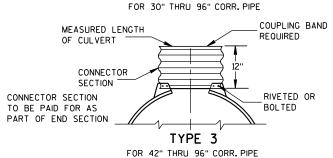
REINFORCED CONCRETE APRON ENDWALLS								
PIPE	DIMENSIONS (Inches)							APPROX.
DIA.	T	A	В	С	D	E	G	SLOPE
12	2	4	24	48 1/8	721/8	24	2	3 to 1
15	21/4	6	27	46	73	30	21/4	3 to 1
18	$2\frac{1}{2}$	9	27	46	73	36	21/2	3 to 1
21	23/4	9	36	371/2	731/2	42	23/4	3 to 1
24	3	91/2	431/2	30	731/2	48	3	3 to 1
27	31/4	101/2	$49^{1}/_{2}$	24	731/2	54	31/4	3 to 1
30	$3\frac{1}{2}$	12	54	193⁄4	731/2	60	31/2	3 to 1
36	4	15	63	34¾	97¾	72	4	3 to 1
42	$4\frac{1}{2}$	21	63	35	98	78	41/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	51/2		65	**************************************	98 <sup>1</sup> /4- 100	90	51/2	2% to 1
60	6	* ** 30-35	60	39	99	96	5	2 to 1
66	61/2		* ** 72-78	* * * 21-27	99	102	51/2	2 to 1
72	7	* ** 24-36	78	21	99	108	6	2 to 1
78	71/2	* ** 24-36	78	21	99	114	61/2	2 to 1
84	8	36	901/2	21	1111/2	120	61/2	11/2+0 1
90	81/2	41	871/2	24	1111/2	132	61/2	11/2+0 1

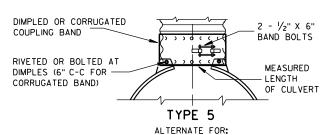
END SECTION CONNECTOR STRAP THREADED 76" DIA. ROD AROUND CULVERT & THROUGH CONNECTOR TANK TYPE CONNECTOR LUG LUG OR ALTERNATE CONNECTOR STRAP (SEE DETAIL) MEASURED LENGTH OF CULVERT



TYPE 1

FOR 12" THRU 24" CORR. PIPE





ALL SIZES CORRUGATED CIRCULAR PIPE

NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

> FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

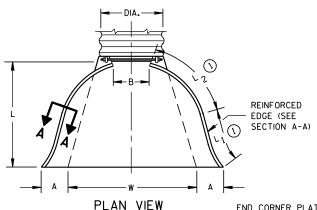
CONNECTION DETAILS

1" WIDE. 12 GA. (0.109" THICK) GALVANIZED STRAP WITH STANDARD 6" X 1/2" BAND BOLT AND NUT ALTERNATE FOR TYPE 1 CONNECTION

\*MINIMUM \*\*MAXIMUM

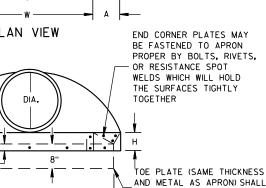
OPTIONAL

DESIGN



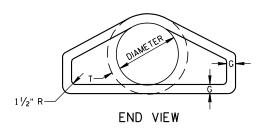
\* EXCEPT CENTER PANEL

SEE GENERAL NOTES

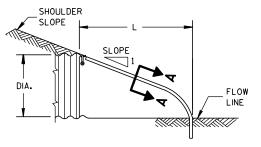


BE FURNISHED WHEN CALLED

FOR ON THE PLANS

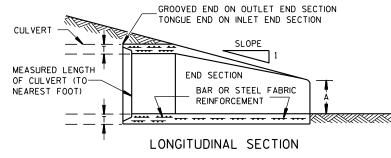


PLAN

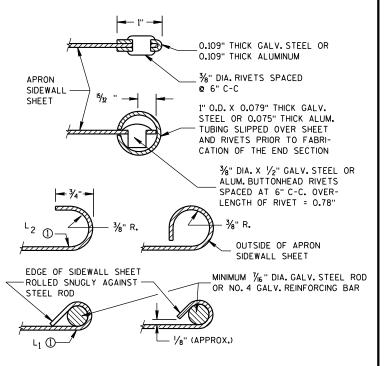


END VIEW





CONCRETE ENDWALLS



## SECTION A-A

## GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA, GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES. THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

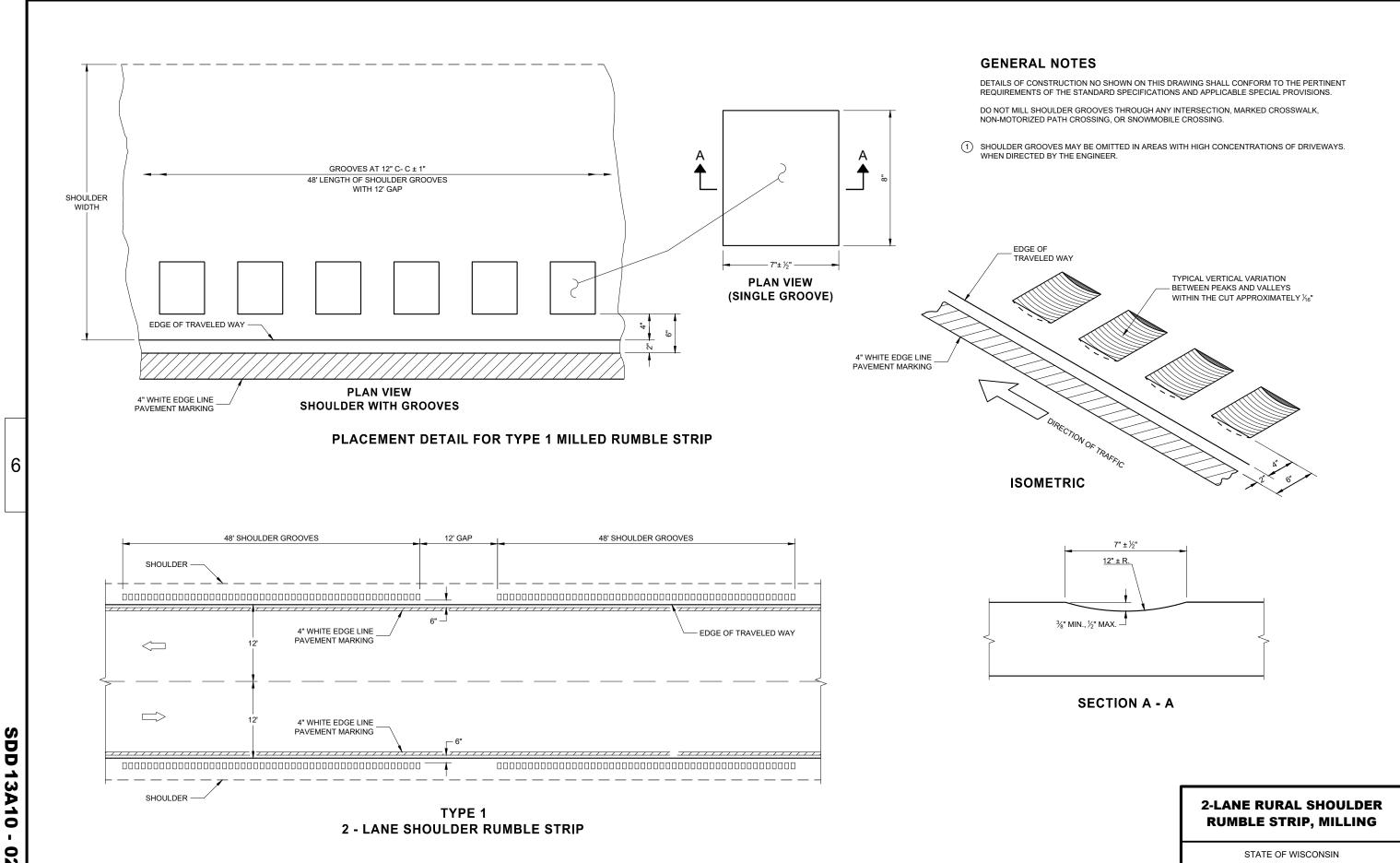
WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

(1) FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.



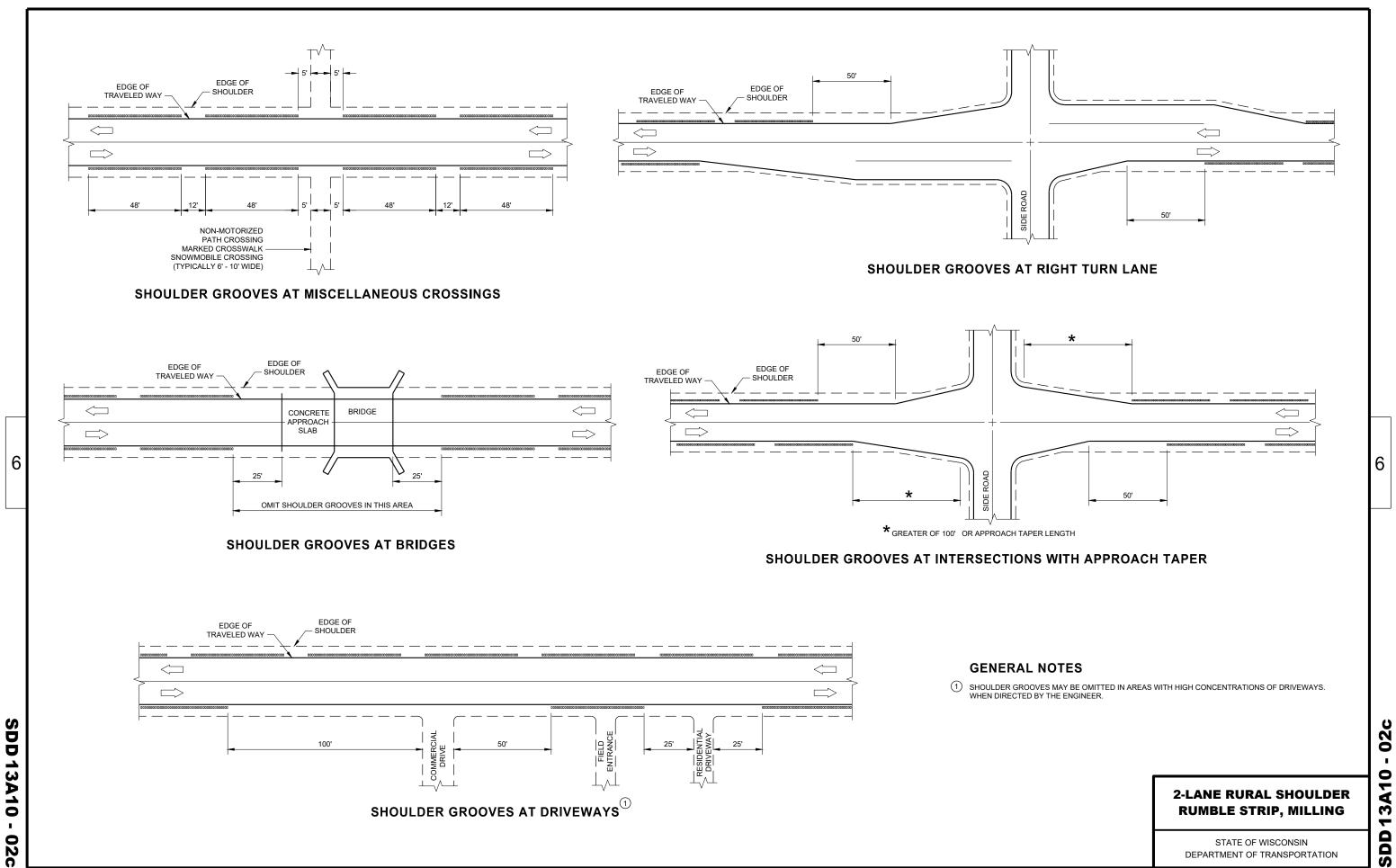
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

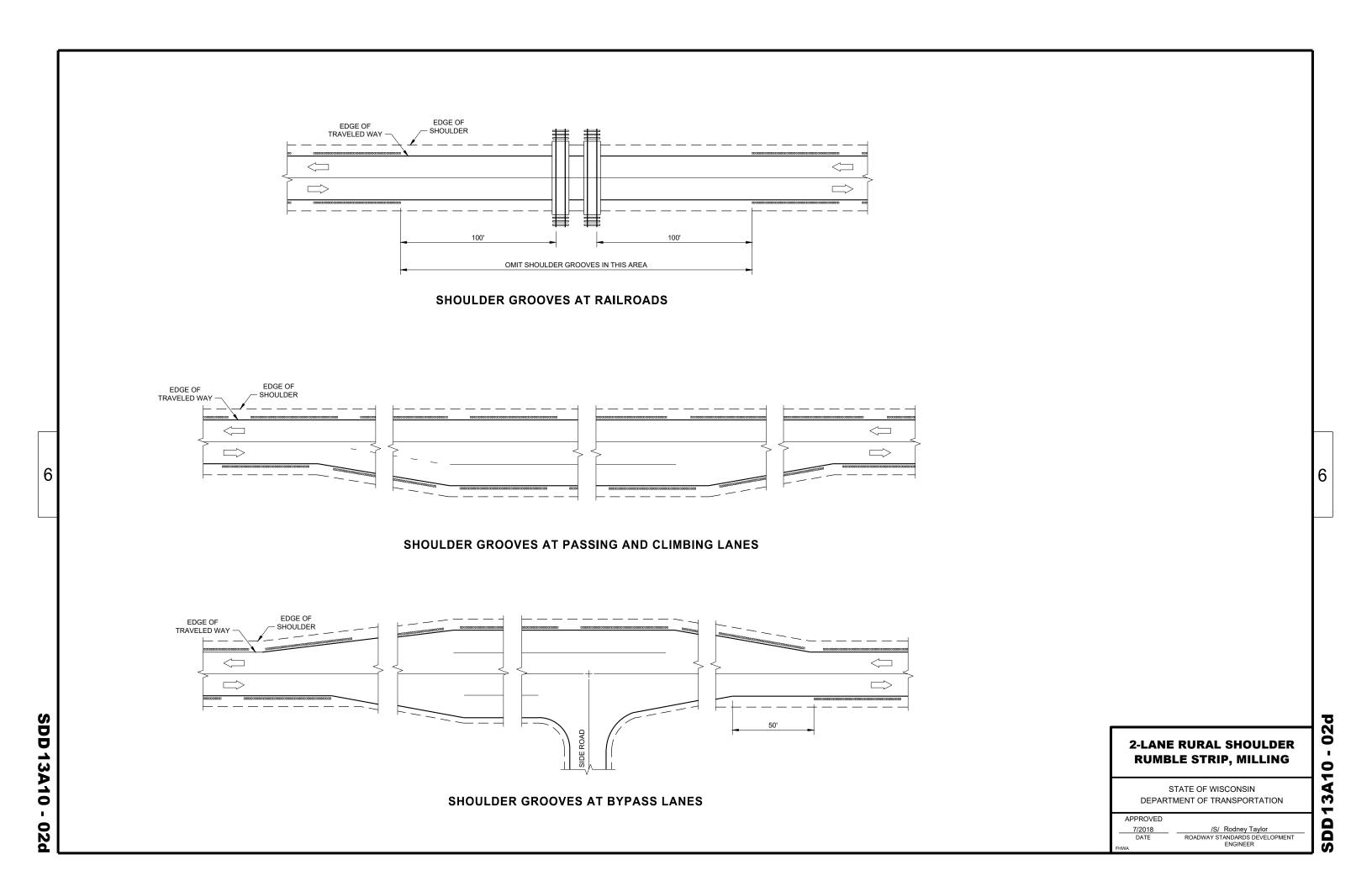
11/30/94 /S/ Rory L. Rhinesmith CHIEF ROADWAY DEVELOPMENT ENGINEER

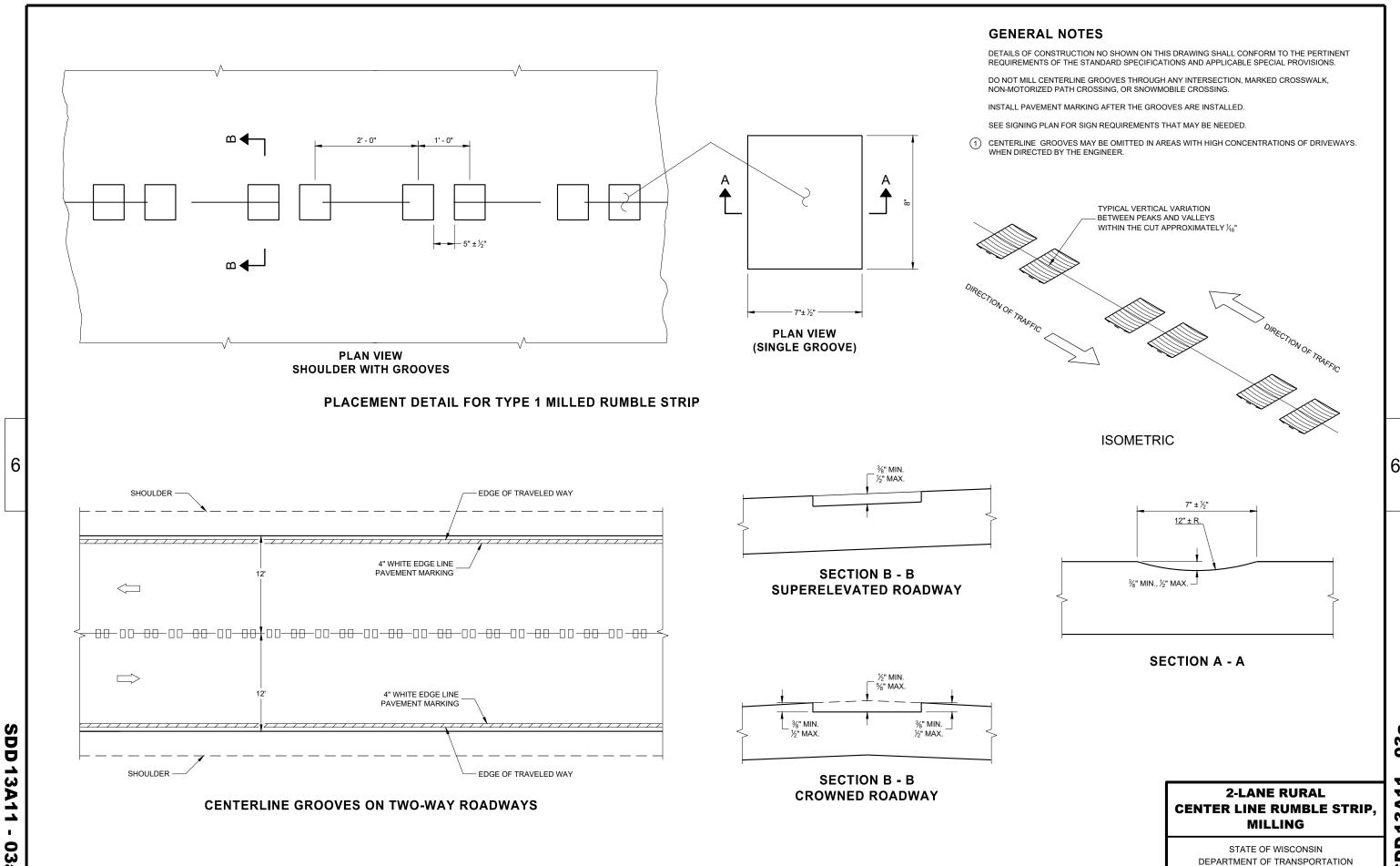


02 13A10 SDD

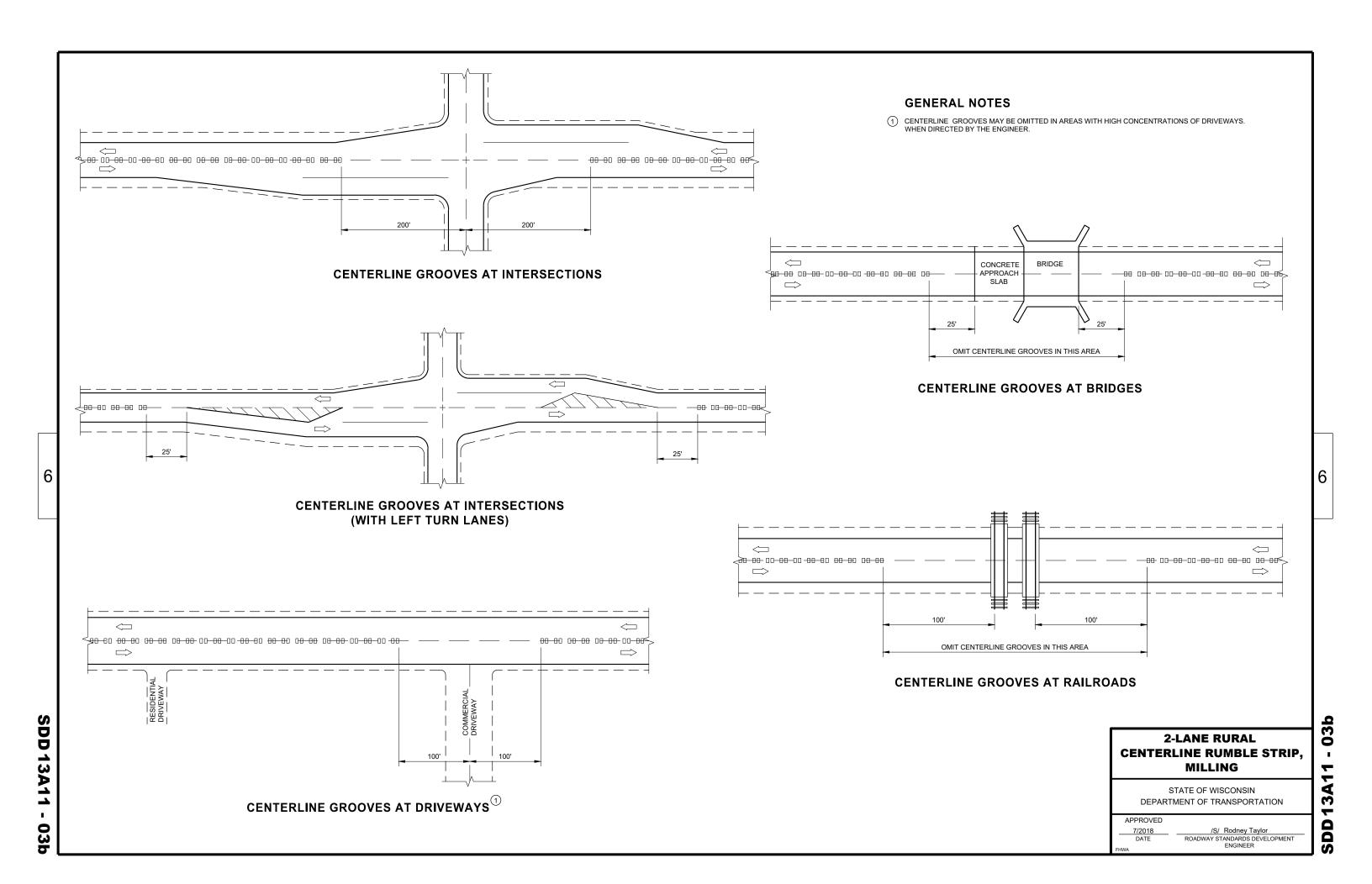
DEPARTMENT OF TRANSPORTATION

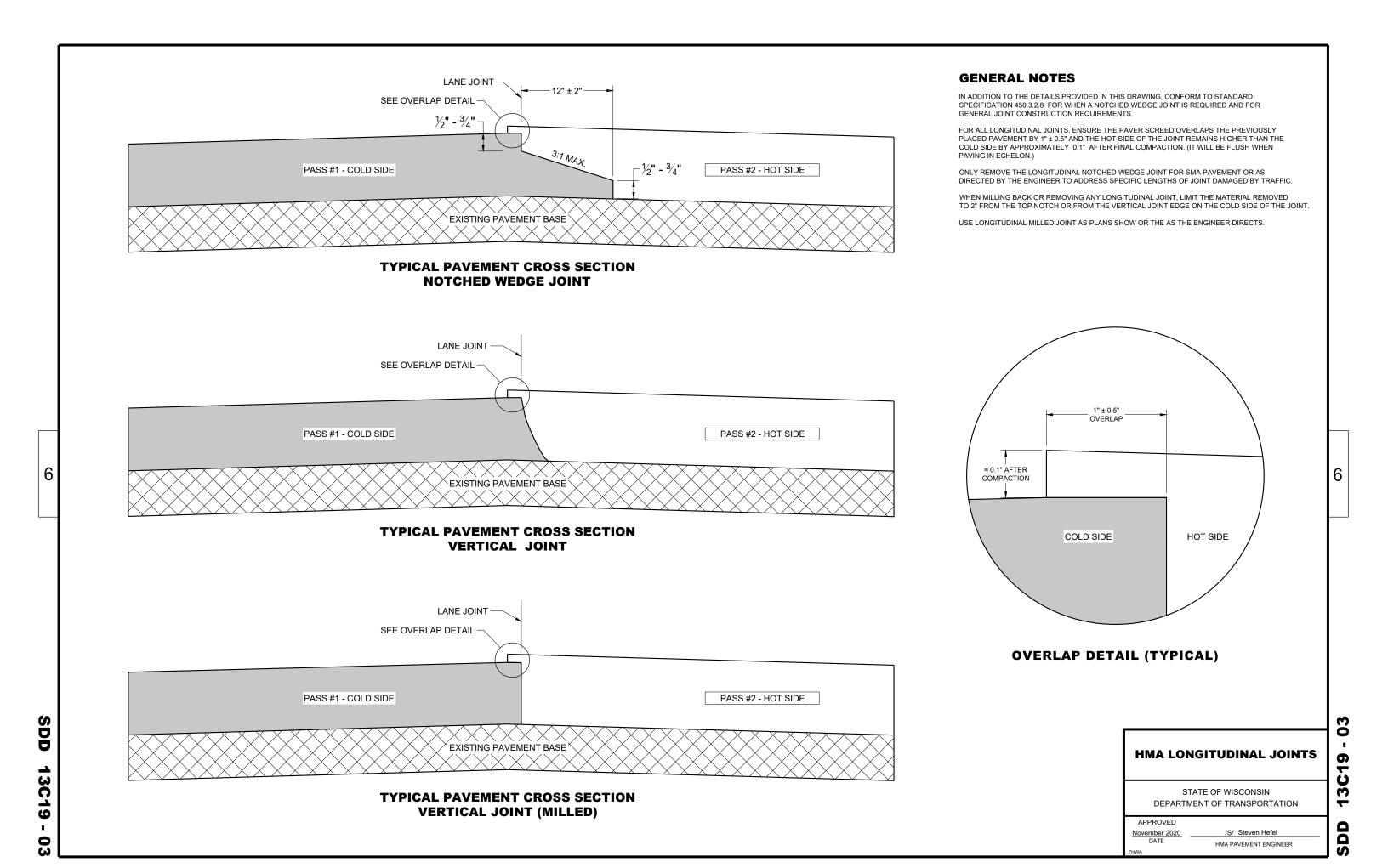


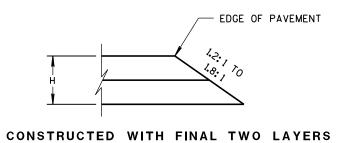


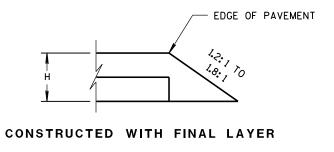


SDD



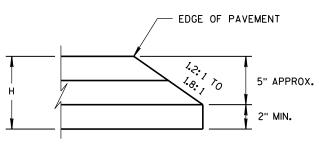




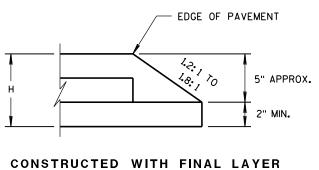


FOR H 5" OR LESS

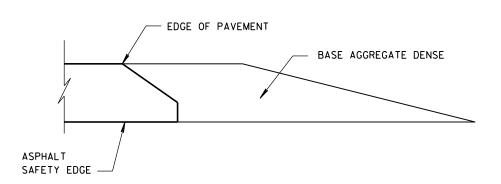
FOR H 5" OR LESS







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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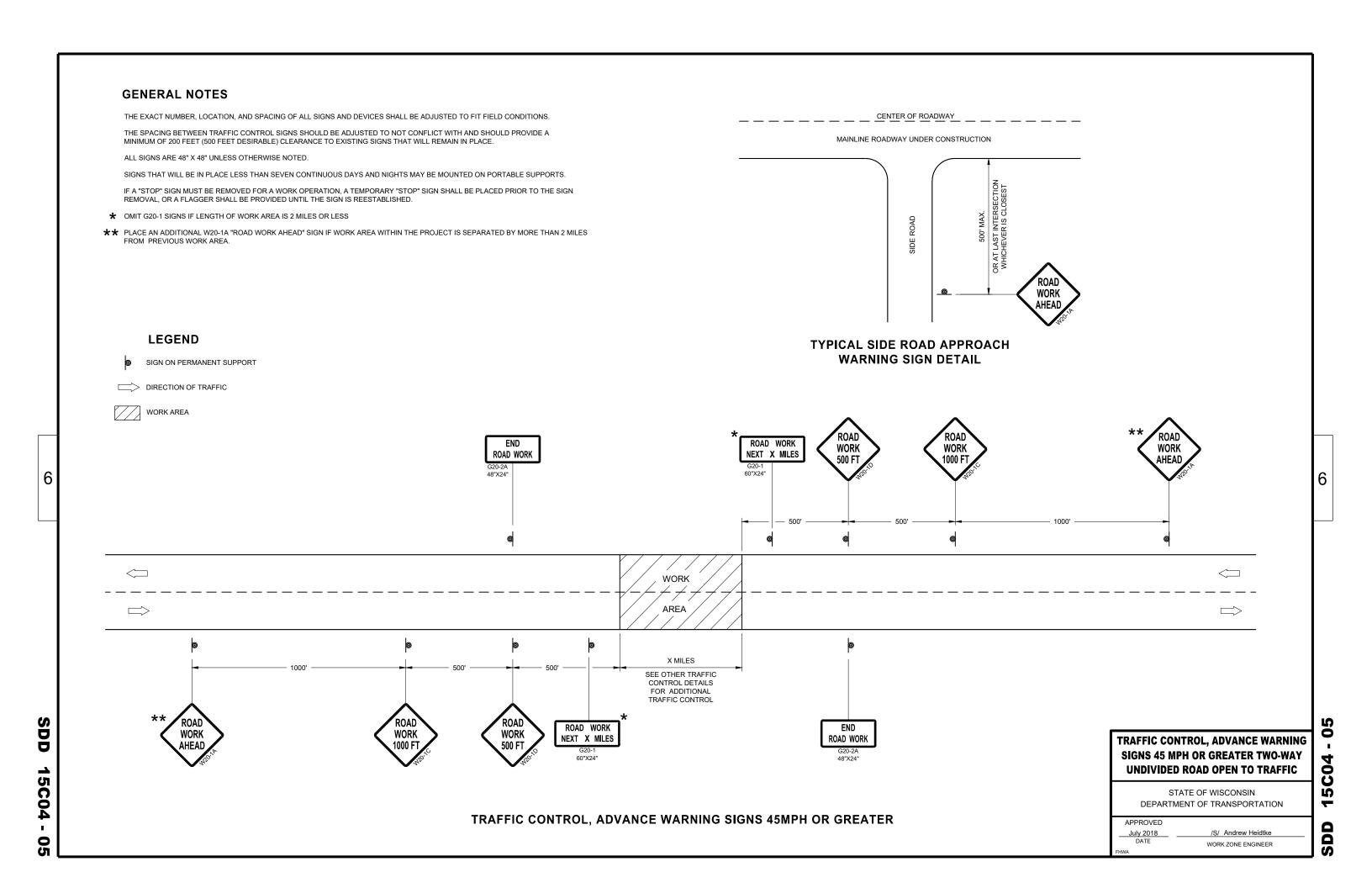
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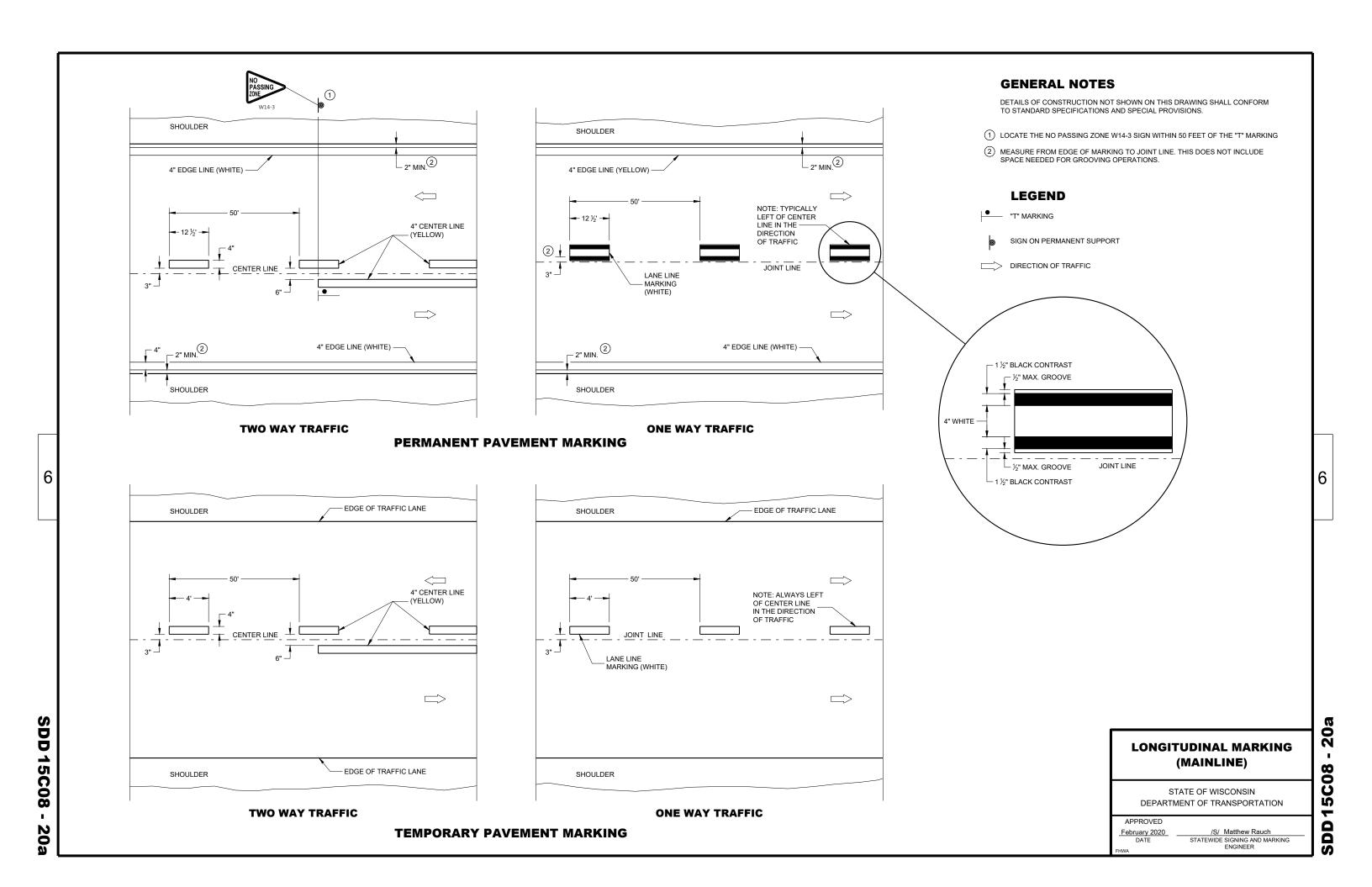
Ω

APPROVED

DATE ROADWAY STANDARDS DEVELOPMENT ENGINEER

6





### **LEGEND** SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE

STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

### **GENERAL NOTES**

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 UNIFORM TRAFFIC CONTROL DEVICES.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

### **FLAGGING**

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 PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

- FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.
- SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

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.

#### **TEMPORARY PORTABLE RUMBLE STRIPS**

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FOR 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.

ROAD

ŔUMBLĖ

STRIPS



RUMBLE

STRIPS

WORK

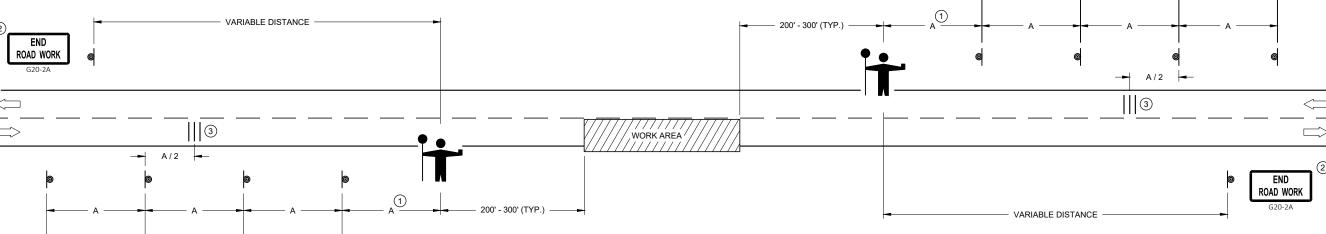
### **SIGN AND TEMPORARY RUMBLE** STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



WO3-4

USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A"



### TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

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

WORK

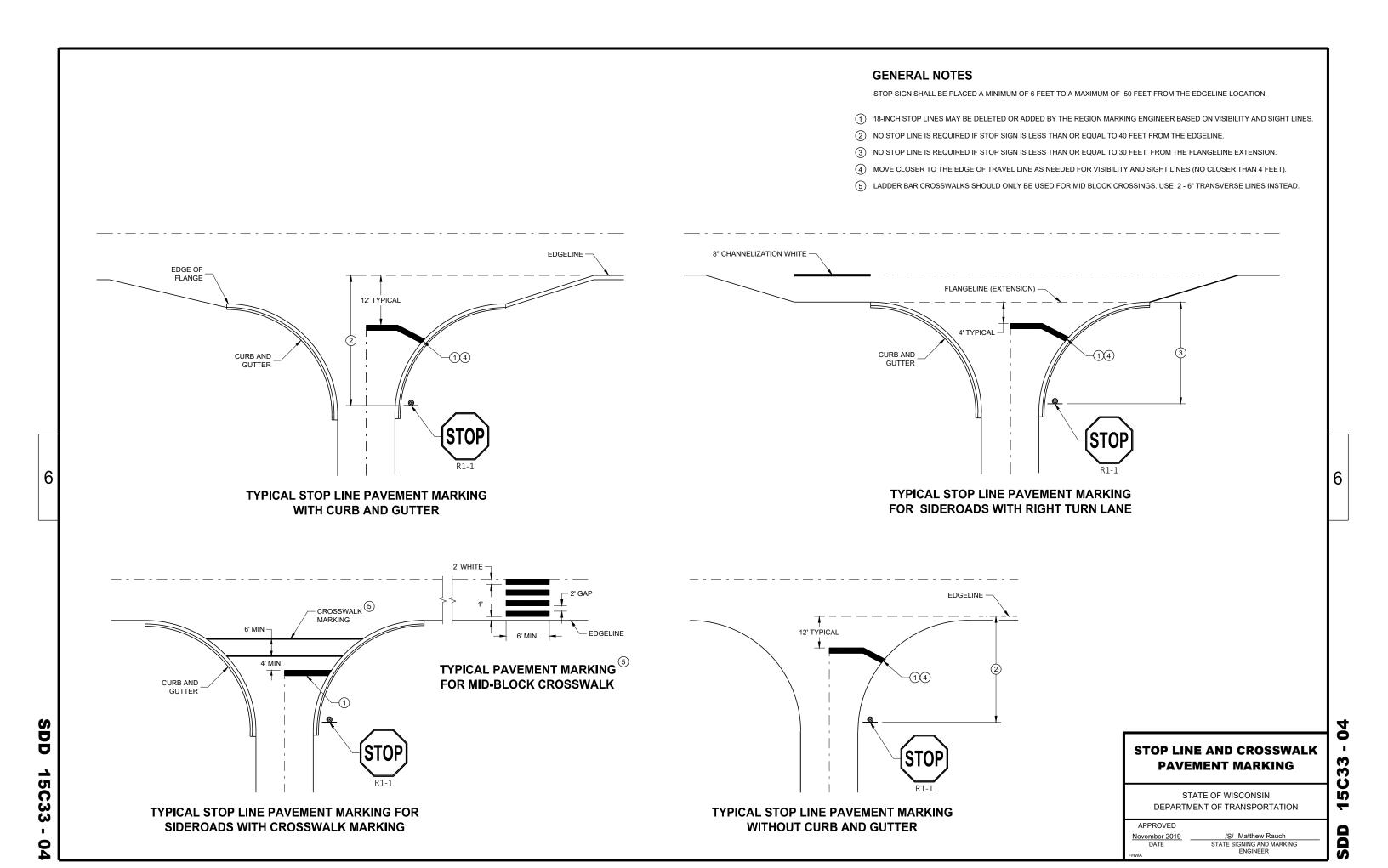
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

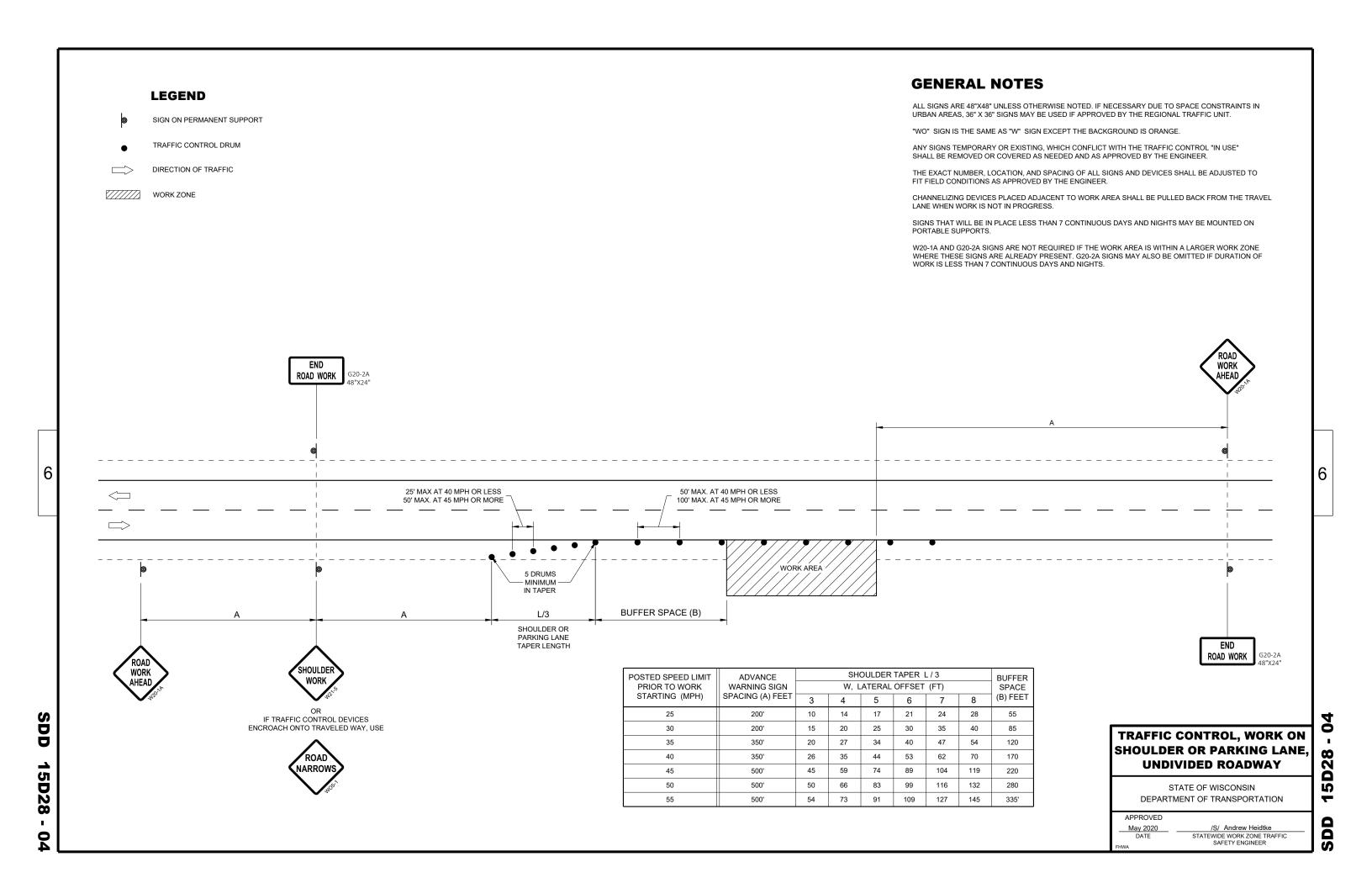
APPROVED	
May 2019	/S/ Andrew Heidtke
DATE	WORK ZONE ENGINEER

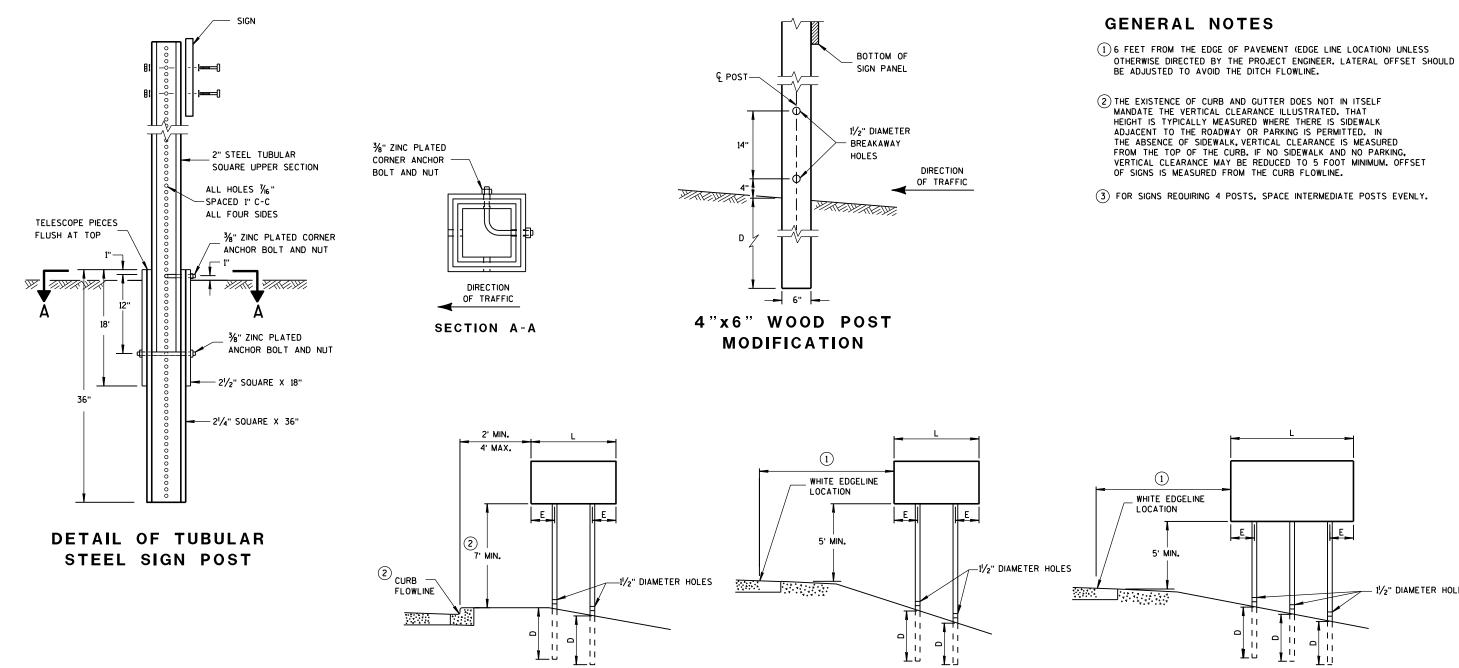
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3DD15C19 - 06a

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TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SO. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EQUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SO.FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE). SIGNS LARGER THAN 27 SO.FT. SHALL NOT BE MOUNTED

ON TUBULAR STEEL POSTS.

### URBAN AREA

### POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

WOOD POST **EMBEDMENT DEPTH** 

AREA OF SIGN INSTALLATION (SO. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

POST SPACING REQUIREM	NUMBER OF		
Ĺ	E	WOOD POSTS REQUIRED	
48" OR LESS AND LESS THAN 20 SO.FT.	-	1	
LESS THAN 60"	12"	2	
60" TO 120"	L/5	2	
GREATER THAN 120" LESS THAN 168"	12"	3	
168" AND GREATER	12"	4	

SEE NOTE (3)

RURAL AREA

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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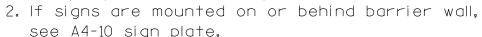
- 11/2" DIAMETER HOLES

DEPARTMENT OF TRANSPORTATION

/S/ Andrew Heidtke WORK ZONE ENGINEER

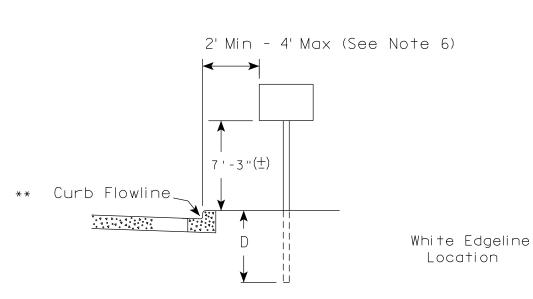
APPROVED

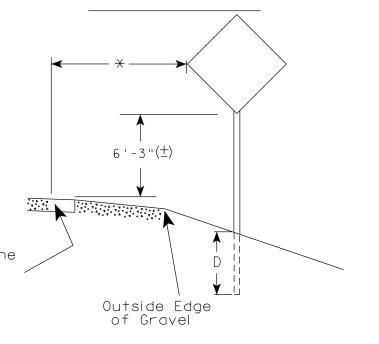
June 2017 DATE



The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-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'' ( $\frac{+}{-}$ ).

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





2' Min - 4' Max (See Note 6) 6'-3"(±) \*\* Curb Flowline D

5'-3"(士) White Edgeline  $D \parallel$ Location Outside Edge of Gravel

\*\* 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.

HWY:

\* 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.

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED For State Traffic Engineer

DATE 5/13/2020 PLATE NO. \_\_A4-3.22

SHEET NO:

Ε

PROJECT NO: FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\A43.dgn COUNTY:

PLOT BY: mscj9h

PLOT NAME :

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

PLOT DATE: 13-MAY 2020 1:04



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

### 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'' (±) or 6'-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'' (±) or as directed by the engineer.
- 8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-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'' (±).
- \* 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.
- \*\* See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

## POST EMBEDMENT DEPTH

D
(Min)
4'
5'

WISCONSIN DEPT OF TRANSPORTATION APPROVED For State Traffic Engineer DATE 8/21/17 PLATE NO. <u>A4-4.15</u>





	SIGN SHAPE OTHER THAN (TWO POSTS REQUIRE)		
	L	E	
***	Greater than 48" Less than 60"	12"	
	60" to 108"	L/5	

HWY:

SIGN SHAPE OTHER THAN (THREE POSTS REQUIR	
L	E
Greater than 108" to 144"	12''

COUNTY:

FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\A44.DGN

PROJECT NO:

PLOT DATE: 21-AUG-2017 15:54

PLOT SCALE: 108.188297:1.000000

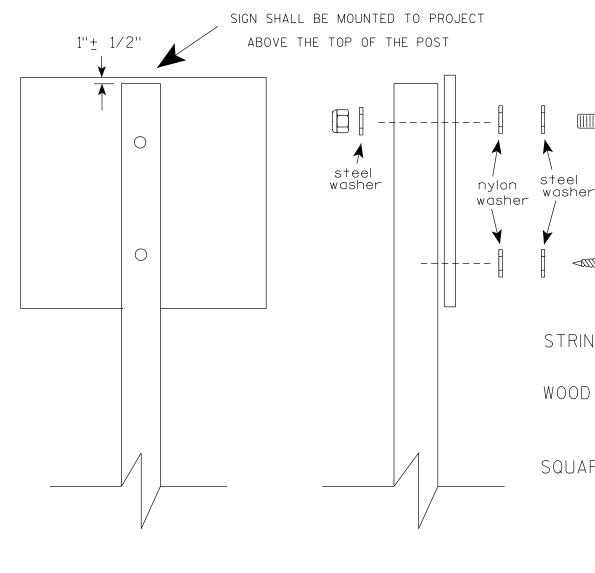
WISDOT/CADDS SHEET 42

OF TYPE II SIGNS ON MULTIPLE POSTS

TYPICAL INSTALLATION

SHEET NO:

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



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 - 3/32 " (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

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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

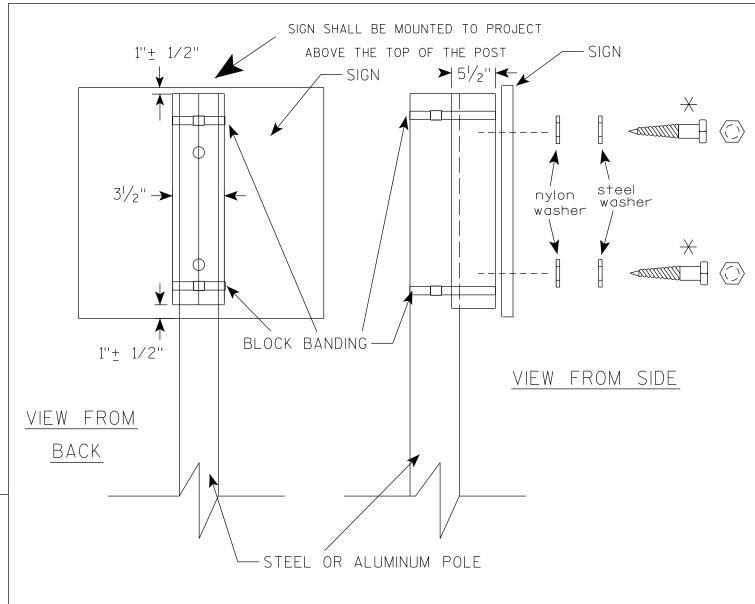
State Traffic Engineer

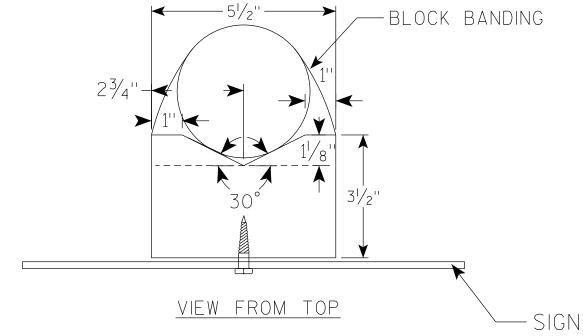
COUNTY:

PLOT NAME :

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

PROJECT NO:





### 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  $1\frac{1}{4}$ " O.D. X  $\frac{3}{8}$ " I.D. X  $\frac{1}{16}$ "
- 8. NYLON WASHERS SHALL BE  $1^{1}/_{4}$ " O.D. X  $\frac{3}{8}$ " I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

 $\rightarrow$  LAG BOLTS SHALL BE  $\frac{3}{8}$ " X  $2\frac{1}{2}$ "

BLOCK BANDING DETAIL ( V-BLOCK OPTION )

WISCONSIN DEPT OF TRANSPORTATION

Matthew R

APPROVED

For State Traffic Engineer

SHEET NO:

DATE <u>6/10/19</u>

PLATE NO. <u>A5-10.2</u>

PROJECT NO:

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

PLOT DATE: 10-JUN 2019 4:15

PLOT BY : mscj9h

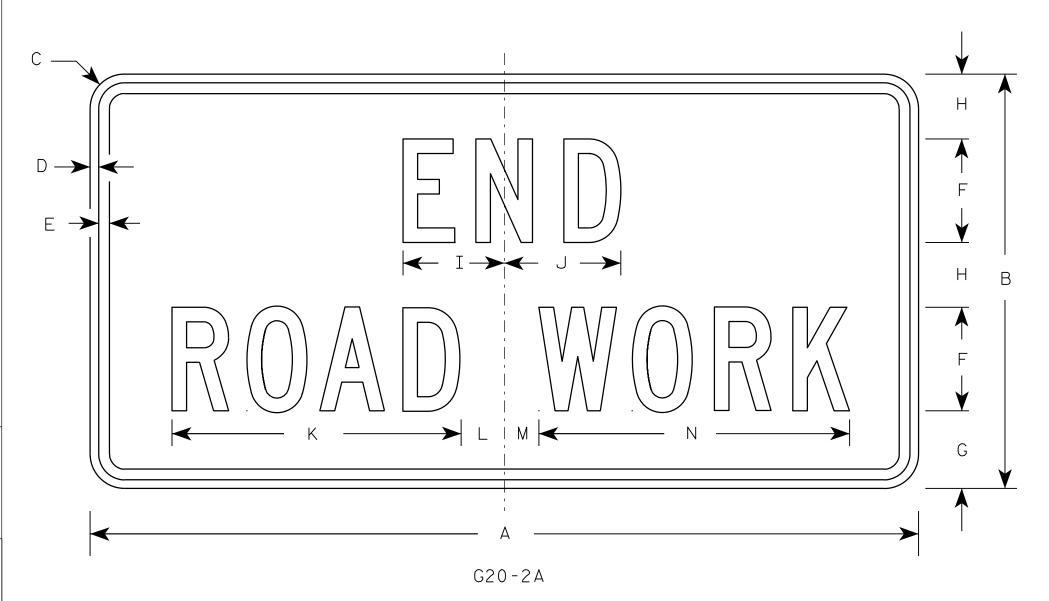
WISDOT/CADDS SHEET 42

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

2. Color:

Background - Orange Message - Black

- 3. Message Series C
- 4. 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.



Metric equivalent for this sign is:

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	М	N	0	Р	Q	R	S	Т	U	٧	W	Х	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 %	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 %	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 %	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 1/8	6 3/4	16 ¾	2 1/2	1 3/4	18 ½													8.0	0.72

COUNTY:

STANDARD SIGN G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED AND UN A O N

Matther R Lauch

For State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\G202A.DGN

HWY:

PROJECT NO:

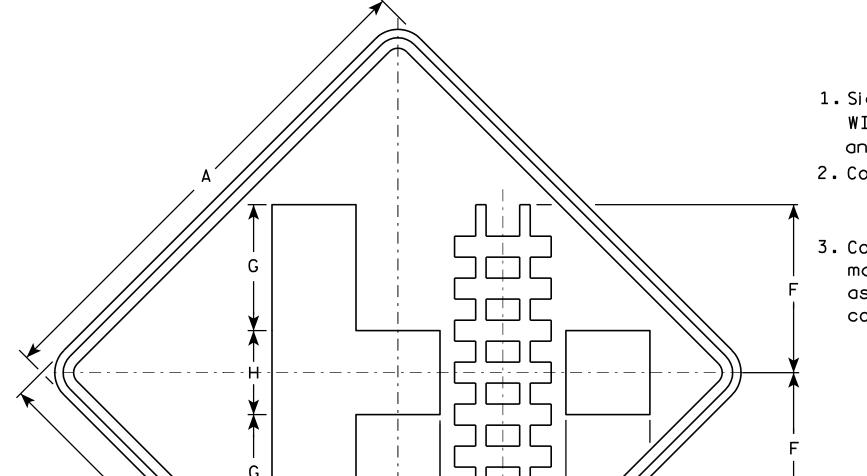
PLOT DATE: 30-SEP-2009 09:31

PLOT BY: ditjph

PLOT NAME :

PLOT SCALE: 5.561773:1.000000

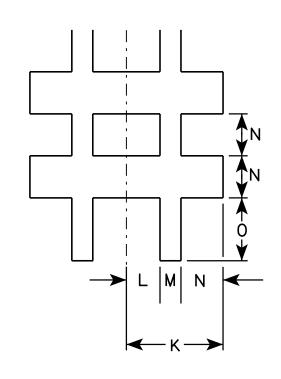
WISDOT/CADDS SHEET 42



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

Background - Yellow Message - Black

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.



I ——																											
SIZE	Α	В	С	D	Ε	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	T	U	٧	W	Х	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	10	7 1/2	5	2 1/2	3 3/4	2 1/8	1	5/8	1 1/4	1 %												6.25
25	36		1 %	5/8	3/4	12	9	6	3	4 1/2	3 3/8	1 1/8	3/4	1 1/2	2 1/4												9.0
2M	36		1 %	5⁄8	3/4	12	9	6	3	4 1/2	3 3/8	1 1/8	3/4	1 1/2	2 1/4												9.0
3	36		1 %	5/8	3/4	12	9	6	3	4 1/2	3 3/8	1 1/8	3/4	1 1/2	2 1/4												9.0
4	48		2 1/4	3/4	1	16	12	8	4	6	4 1/2	1 1/2	1	2	3												16.0
5																											

COUNTY:

PLOT DATE: 13-MAR-2013 11:14

STANDARD SIGN W10 - 3

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

APPROVED

For State Traffic Engineer

DATE 3/13/13 PLATE NO. W10-3.8

PLOT NAME :

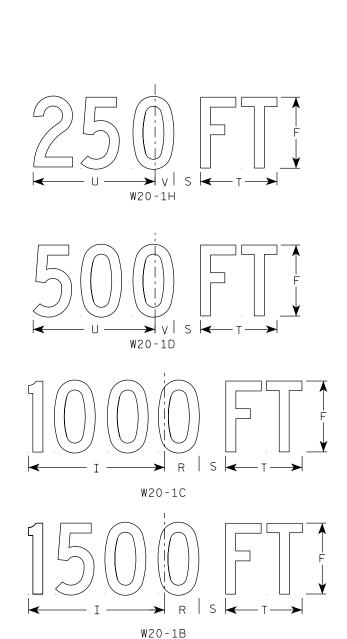
HWY:

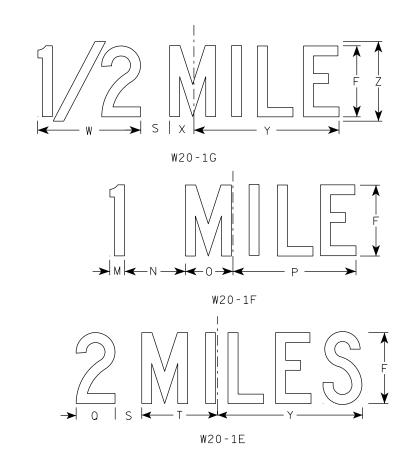
PROJECT NO:

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

Background – Orange Message – Black

- 3. Message Series C
- 4. 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.





SIZE	А	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	Q	R	S	T	U	٧	W	Х	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 1/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 %	9	1 3/8	8	1 3/4	10 3/4	6	9.0
25	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1	6 %	5 3/8	13 1/8	4 3/8	3 1/8	3	8 %	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 1/8	5 3/8	13 1/8	4 3/8	3 1/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 %	5 3/8	13 1/8	4 3/8	3 1/8	3	8 %	13 ¾	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 1/8	5 3/8	13 1/8	4 3/8	3 1/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 1/8	5 3/8	13 1/8	4 3/8	3 1/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN W20-1A, B, C, D, E, F, G & H

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew & Paulo

For State Traffic Engineer
DATE 3/25/2020 PLATE NO. W20-1.11

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\W201.DGN

PROJECT NO:

W20-1A

PLOT DATE: 25-MARCH-2020

PLOT BY : dotc4c

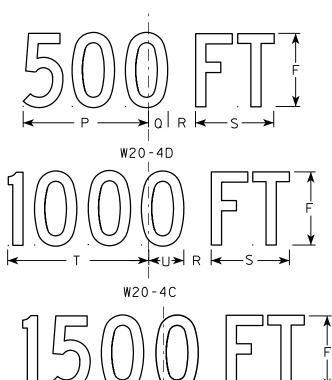
WISDOT/CADDS SHEET 42

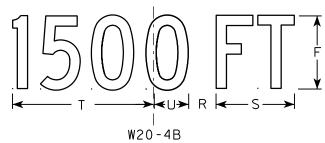


- 1. Sign is Type II Type F Reflective reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:

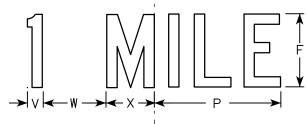
Background - Orange Message - Black

- 3. Message Series C
- 4. 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.









PLOT BY: mscj9h

								W2	O-4A								W20-4F												
SIZE	Α	В	С	D	E	F	G	Н	I	J	K	L	М	N	0	Р	0	R	S	Т	U	V	W	Х	Υ	Z	Area sq. ft.		
1	36		1 5/8	5/8	3/4	5	2 3/8	6	3 3/4	10 3/8	2 3/8	8	13 ½	7	8 %	9	1 3/8	1 1/8	5 %	10 1/8	2 1/2	1 1/8	4 1/2	3 ½	10 ¾	1 3/4	9.0		
2S	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 %	17 3/4	9 3/4	12 %	12	1 1/8	2 %	7 1/2	13 ½	3 %	1 1/2	6	4 %	14 3/8	2 3/8	16.0		
2M	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 %	17 3/4	9 3/4	12 5/8	12	1 1/8	2 %	7 1/2	13 ½	3 3/8	1 1/2	6	4 %	14 3/8	2 3/8	16.0		
3	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 %	17 3/4	9 3/4	12 %	12	1 1/8	2 %	7 1/2	13 ½	3 %	1 1/2	6	4 %	14 3/8	2 3/8	16.0		
4	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 %	17 3/4	9 3/4	12 5/8	12	1 1/8	2 %	7 1/2	13 1/2	3 3/8	1 1/2	6	4 %	14 3/8	2 3/8	16.0		
5	48		2 1/4	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 1/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 %	14 3/8	2 3/8	16.0		

W20-4A

STANDARD SIGN W20-4A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED State Traffic Engineer

DATE 3/18/11

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr\_stdplate\W204.DGN

PROJECT NO:

PLOT DATE: 18-MAR-2011 12:11

WISDOT/CADDS SHEET 42

PLATE NO. W20-4.9

Ε

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

Background - Orange Message - Black

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.

A	C H
	W20-7A

HWY:

SIZE	Α	В	С	D	Ε	F	G	Н	I	J	K	L	M	N	0	Р	0	R	S	Т	U	٧	W	×	Y	Z	Area sq. ft.
1	36		1 1/8	5/8	3∕4		2 3/4	13 1/2	14 %																		9.00
2S	48		2 1/4	3/4	1		3 3/4	18	19 1/2																		16.00
2M	48		2 1/4	3/4	1		3 3/4	18	19 1/2																		16.00
3	48		2 1/4	3/4	1		3 3/4	18	19 1/2																		16.00
4	48		2 1/4	¾	1		3 3/4	18	19 1/2																		16.00
5	48		2 1/4	3/4	1		3 3/4	18	19 1/2		·								·		·						16.00

COUNTY:

STANDARD SIGN W20-7A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew & Rawh

For State Traffic Engineer

DATE \_3/18/11 PLATE NO. W20-7A.5

SHEET NO:

PROJECT NO:

PLOT NAME :

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

Background - Orange Message - Black

- 3. Message Series C
- 4. 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.

A
SHOULDER HOLDER
W21-5

SIZE A В Ε Н C N 0 Χ С D G Q U w Ι 36 5/8 3/4 6 3 1/2 16 9 9.0 3/4 2 1/4 5 21 3/8 11 1/4 16.0 1 2M 48 21 3/8 11 1/4 3/4  $2^{1/4}$ 5 16.0 1 3 48  $2^{1/4}$ 3/4 5 21 3/8 | 11 1/4 | 16.0 1 4 48 2 1/4 3/4 1 8 5 21 3/8 11 1/4 16.0 5 48 2 1/4 3/4 1 8 5 21 3/8 11 1/4 16.0

COUNTY:

STANDARD SIGN W21-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthe R Rauch

For State Traffic Engineer

DUTE 4/30/30/20

DATE 4/30/2020 PLATE NO. W21-5.6

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr\_stdplate\W215.dgn

HWY:

PROJECT NO:

PLOT DATE: 30-APRIL 2020

PLOT BY : dotc4c

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

7

Ε

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

Background - Orange Message - Black

- 3. Message Series see note 5
- 4. 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.
- 5. Line 1 is Series C Lines 2 and 3 are Series D

E D	

W21-65

HWY:

SIZE	Α	В	С	D	E	F	G	Н	I	J	К	L	M	N	0	Р	0	R	S	T	U	٧	W	Х	Y	Z	Areg sq. ft.
1	36		1 %	5/8	3/4	5	3 1/4	10 %	11 %	11	11 %																9.0
2S	48		2 1/4	3/4	1	7	4	15 1/4	16 3/8	14 %	15 1/4																16.0
2M	48		2 1/4	3/4	1	7	4	15 1/4	16	14 %	15 1/4																16.0
3	48		2 1/4	3/4	1	7	4	15 1/4	16	14 %	15 1/4																16.0
4	48		2 1/4	3/4	1	7	4	15 1/4	16	14 %	15 1/4																16.0
5	48		2 1/4	3/4	1	7	4	15 1/4	16 3/8	14 5/8	15 1/4	·			·	·									·		16.0

COUNTY:

STANDARD SIGN W21-65

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

ED Matthe R Rouse

for State Traffic Engl

DATE 5/28/14

PLATE NO. W21-65.1
SHEET NO:

PROJECT NO:

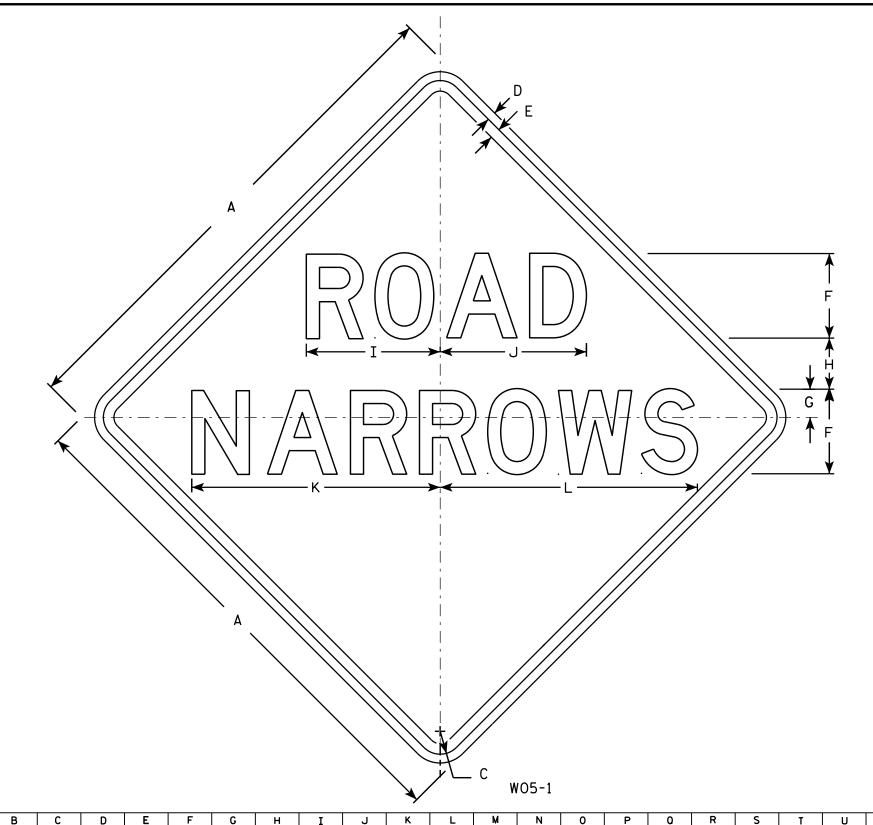
FILE NAME: C:\CAEFiles\Projects\tr\_stdplate\W2165.dgn

PLOT DATE: 28-MAY-2014 13:24

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 9.729210:1.000000



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

Background - Orange Message - Black

- 3. Message Series D
- 4. 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.

SIZE A 1 5/8 3 1/2 9 1/2 10 3/8 17 5/8 18 1/4 3/4 9.0 2S 2 1/4 3/4 12 3/4 13 3/4 23 1/2 24 3/8 48 16.0 2M 2 1/4 3/4 12 3/4 13 3/4 23 1/2 24 3/8 48 16.0 12 3/4 13 3/4 23 1/2 24 3/8 2 1/4 3/4 48 16.0 2 1/4 3/4 12 3/4 13 3/4 23 1/2 24 3/8 48 3 16.0 2 1/4 3/4 12 3/4 13 3/4 23 1/2 24 3/8 48 3 16.0

COUNTY:

STANDARD SIGN WO5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

far State Traffic Engineer

DATE 11/20/13

SHEET NO:

HWY:

PROJECT NO:

PLOT BY: mscsja

PLATE NO. W05-1.1

Notes



## Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov