WIS

FEBRUARY 2021

PROJECT ID: 6140-02-71

WITH: N/A

COUNTY: ADAMS

ORDER OF SHEETS



TOTAL SHEETS = 90

N

DESIGN DESIGNATION

| | | | |
|---|---|---|---|
| A.A.D.T. | (2021) | = | 6,070 |
| A.A.D.T. | (2041) | = | 6,890 |
| D.H.V. | | = | 923 |
| D.D. | | = | 61/39 |
| T. | | = | 11.7% |
| DESIGN SPEED | | = | 60 MPH |
| ESALS | | = | 1,233,700 |

CONVENTIONAL SYMBOLS

PLAN

- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE (300'EB')
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE

- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

UTILITIES

- ELECTRIC (E)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

# STATE OF WISCONSIN
# DEPARTMENT OF TRANSPORTATION

**PLAN OF PROPOSED IMPROVEMENT**

# WISCONSIN DELLS - ADAMS

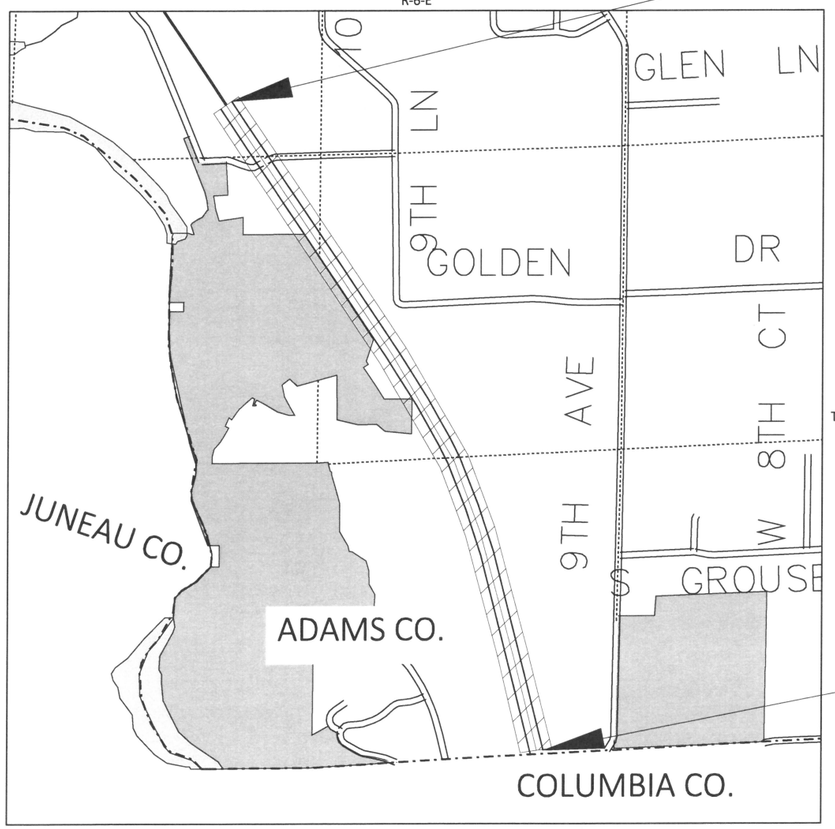
**COLUMBIA CO LINE TO GOLDEN AVENUE**

## STH 13
## ADAMS COUNTY

| STATE PROJECT | FEDERAL PROJECT | |
|---|---|---|
| | PROJECT | CONTRACT |
| 6140-02-71 | WISC 2021179 | 1 |
| | | |
| | | |
| | | |

STATE PROJECT NUMBER
**6140-02-71**

R-6-E




END PROJECT
STA 240+01.00
Y=112030.648
X=539775.387

BEGIN PROJECT
STA 108+64.00
Y=100366.420
X=545487.544

LAYOUT

SCALE 0 0.5 MI

TOTAL NET LENGTH OF CENTERLINE = 2.488 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), ADAMS COUNTY, NAD83 2011, IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES. ELEVATIONS ARE REFERENCED TO NAVD 88 2012. GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

ORIGINAL PLANS PREPARED BY
*JT ENGINEERING, INC*

WISCONSIN
BRIAN E. SMITS
E-27284
CHIPPEWA FALLS
WIS.
PROFESSIONAL ENGINEER

DATE: 8/26/2020 Brian Smits
(Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

| | |
|---|---|
| Surveyor | JT ENGINEERING, INC |
| Designer | JT ENGINEERING, INC |
| Project Manager | J. STEWART |
| Regional Examiner | C. SIMON |
| Regional Supervisor | M. KRETSCHMER |

APPROVED FOR THE DEPARTMENT
DATE: 8/31/2020
(Signature)

E

FILE NAME : X:\PROJECTS\ADAMS\6140-02-01_STH 13_CTY LINE-GOLDEN AVE\DESIGN\C3D\SHEETSPLAN\TTSTH 13.DWG

PLOT DATE : 8/26/2020 1:19 PM

PLOT BY : ERIC BENSON

PLOT NAME :

## RUNOFF COEFFICIENT TABLE

| A | HYDROLOGIC SOIL GROUP | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | B | | C | | | | | | D | | | |
| | SLOPE RANGE (PERCENT) | | | SLOPE RANGE (PERCENT) | | | SLOPE RANGE (PERCENT) | | | SLOPE RANGE (PERCENT) | | |
| LAND USE: | 0-2 | 2-6 | 6 & OVER | 0-2 | 2-6 | 6 & OVER | 0-2 | 2-6 | 6 & OVER | 0-2 | 2-6 | 6 & OVER |
| ROW CROPS | .08<br>.22 | .16<br>.30 | .22<br>.38 | .12<br>.26 | .20<br>.34 | .27<br>.44 | .15<br>.30 | .24<br>.37 | .33<br>.50 | .19<br>.34 | .28<br>.41 | .38<br>.56 |
| MEDIAN STRIP-<br>TURF | .19<br>.24 | .20<br>.26 | .24<br>.30 | .19<br>.25 | .22<br>.28 | .26<br>.33 | .20<br>.26 | .23<br>.30 | .30<br>.37 | .20<br>.27 | .25<br>.32 | .30<br>.40 |
| SIDE SLOPE:<br>TURF | | | .25<br>.32 | | | .27<br>.34 | | | .28<br>.36 | | | .30<br>.38 |
| PAVEMENT: | | | | | | | | | | | | |
| ASPHALT | .70 - .95 | | | | | | | | | | | |
| CONCRETE | .80 - .95 | | | | | | | | | | | |
| BRICK | .70 - .80 | | | | | | | | | | | |
| DRIVES, WALKS | .75 - .85 | | | | | | | | | | | |
| ROOFS | .75 - .95 | | | | | | | | | | | |
| GRAVEL ROADS, SHOULDERS | .40 - .60 | | | | | | | | | | | |

TOTAL PROJECT AREA = 20.984 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.404 ACRES

## GENERAL NOTES

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE THEIR CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGER'S HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA.

MATCH EXISTING SUPERELEVATIONS ALONG HORIZONTAL CURVES. STAKING SUPERELEVATION TRANSITIONS IN THE FIELD SHALL BE INCIDENTAL TO THE PROJECT IF NEEDED.

WHEN THE QUANTITY OF BASE AGGREGATE IS MEASURED BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE LAYER SHOWN ON THE PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

THE ALIGNMENTS ARE BASED ON BEST FITTING THE AERIAL AND AS-BUILT PLANS.

HMA PAVEMENT SHALL BE CONSTRUCTED WITH THE FOLLOWING LAYER THICKNESS:

| PAVEMENT THICKNESS (INCH) | UPPER LAYER (INCH) |
|---|---|
| 2.00 | 2.00 |
| 1.75* | 1.75* |

*THICKNESS IS SET TO MATCH EXISTING OVERLAY OVER THE EXISTING CONCRETE PAVEMENT.

## UTILITY CONTACTS

THORE GREGERSON
CITY OF WISCONSIN DELLS - SEWER
300 LACROSSE STREET
WISCONSIN DELLS, WI, 53965
PHONE# (608) 393-1359
EMAIL: DPWSHOP@DELLSCITYGOV.COM

TONY WIECZOREK
CITY OF WISCONSIN DELLS - ELECTRICITY
300 LACROSSE STREET
WISCONSIN DELLS, WI, 53965
PHONE# (608) 432-1363
EMAIL: TONYW@DELLSUTILITY.COM

SCOTT MCCLYMAN
CITY OF WISCONSIN DELLS - WATER
300 LACROSSE STREET
WISCONSIN DELLS, WI, 53965
PHONE# (608) 844-0085
EMAIL: SMCCLYMAN@DELLSUTILITY.COM

MATT JOHNSON
ALLIANT ENERGY - ELECTRICITY
2777 COLUMBIA DRIVE
PORTAGE, WI, 53901
PHONE# (608) 742-0801
EMAIL: MATTHEWJOHNSON@ALLIANTENERGY.COM

MATT JOHNSON
ALLIANT ENERGY - GAS/PETROLEUM
2777 COLUMBIA DRIVE
PORTAGE, WI, 53901
PHONE# (608) 742-0801
EMAIL: MATTHEWJOHNSON@ALLIANTENERGY.COM

JERRY MOORE
FRONTIER COMMUNICATIONS OF WI LLC - COMMUNICATION LINE
2222 WEST WISCONSIN STREET
PORTAGE, WI, 53901
PHONE# (608) 742-9507
EMAIL: JERALD.R.MOORE@FTR.COM

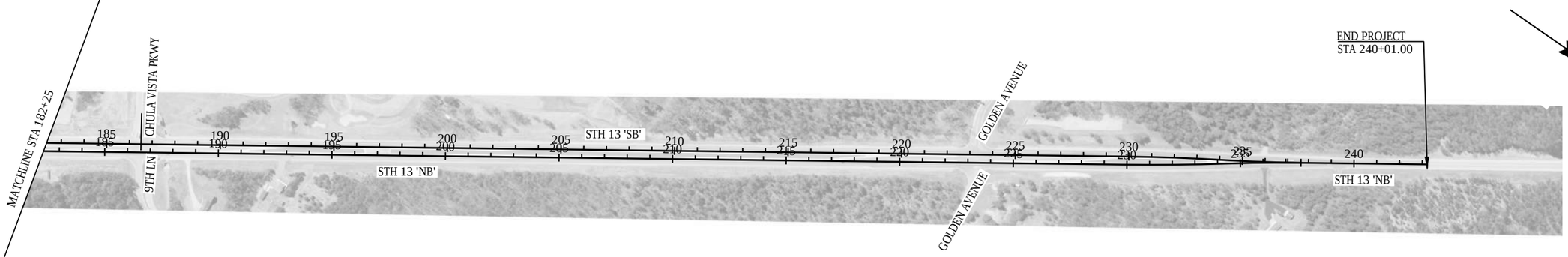
TIM SPATH
MARQUETTE ADAMS TELEPHONE COOP INC - COMMUNICATION LINE
113 NORTH OXFORD STREET
PO BOX 45
OXFORD, WI, 53952
PHONE# (608) 450-0088
EMAIL: TSPATH@MAADTELCO.COM

DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

## WISCONSIN DNR LIAISON

BRAD BETTHAUSER
DNR WISCONSIN RAPIDS SERVICE CENTER
473 GRIFFITH AVENUE
WISCONSIN RAPIDS, WI 54494
PHONE (MOBILE): 715-213-9064
E-MAIL: BRADLEY.BETTHAUSER@WISCONSIN.GOV

2

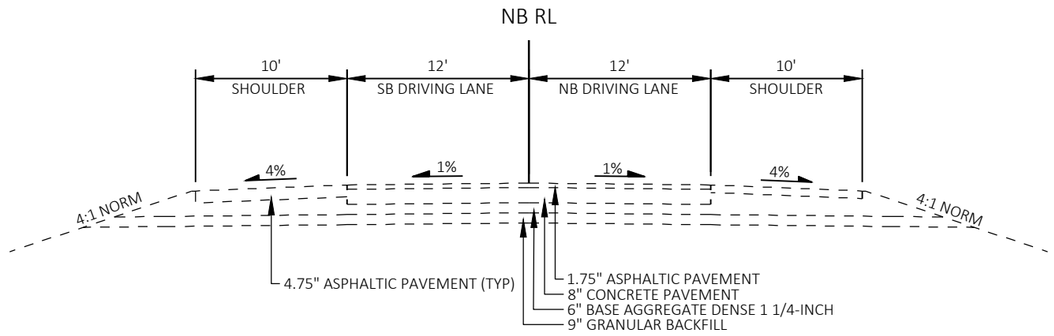




| PROJECT NO: 6140-02-71 | HWY: STH 13 | COUNTY: ADAMS | PROJECT OVERVIEW | SHEET 3 | E |
|---|---|---|---|---|---|

FILE NAME : X:\PROJECTS\ADAMS\6140-02-01_STH 13_CTY LINE-GOLDEN AVE\DESIGN\C3D\SHEETSPLAN\POSTH13.DWG
LAYOUT NAME - STH 13 - (1)

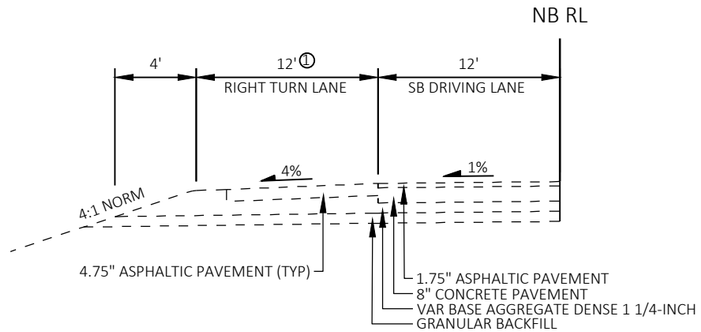
PLOT DATE : 8/27/2020 9:01 AM PLOT BY : ERIC BENSON PLOT NAME : PLOT SCALE : ##########

2




## TYPICAL EXISTING SECTION

STH 13
STA 108+64.0 TO STA 147+62.8




## TYPICAL EXISTING SECTION - SB RIGHT TURN LANE

STH 13
STA 108+64.0 TO STA 111+54.0

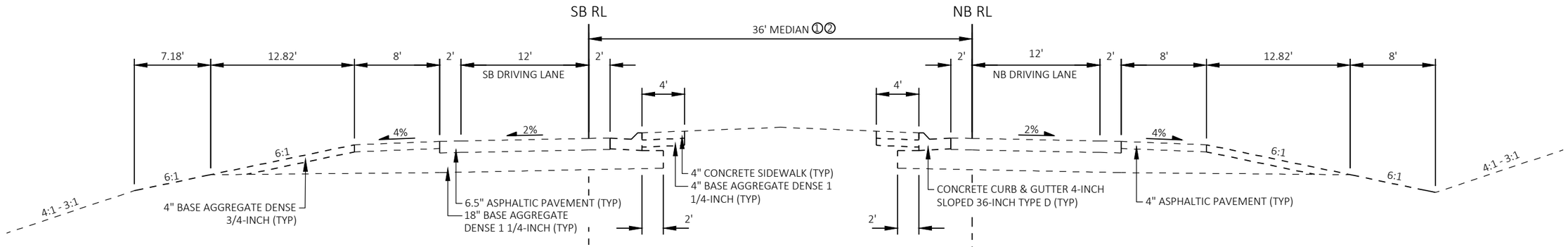
### NOTES

ALL STATIONING ARE 'NB' UNLESS OTHERWISE NOTED.

① WIDTH VARIES 10'-12' THROUGH THE TURN LANE TAPER.

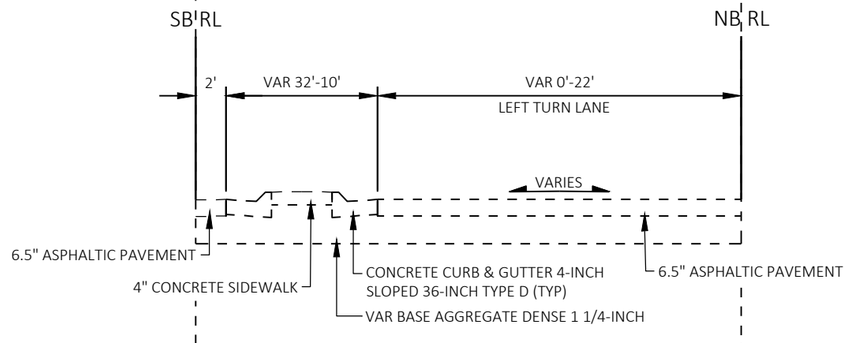
| PROJECT NO: 6140-02-71 | HWY: STH 13 | COUNTY: ADAMS | TYPICAL SECTIONS | SHEET 4 | E |
|---|---|---|---|---|---|

FILE NAME : X:\PROJECTS\ADAMS\6140-02-01_STH 13_CTY LINE-GOLDEN AVE\DESIGN\C3D\SHEETSPLAN\TYPSTH13.DWG
LAYOUT NAME - Existing 01
PLOT DATE : 12/7/2020 5:59 AM PLOT BY : DUSTIN SCHUH PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



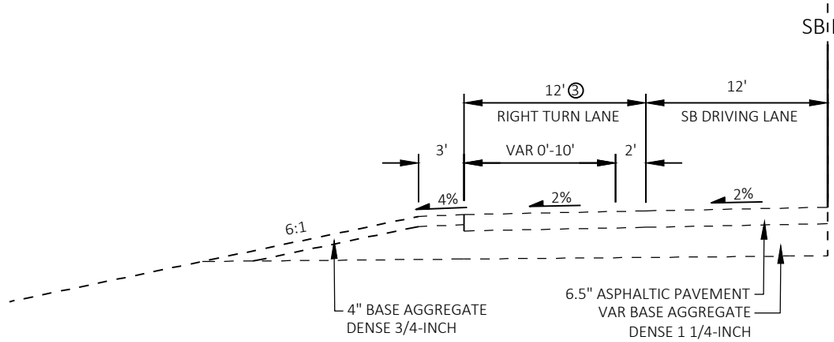

## TYPICAL EXISTING SECTION

STH 13
STA 147+62.8 TO STA 237+66.8



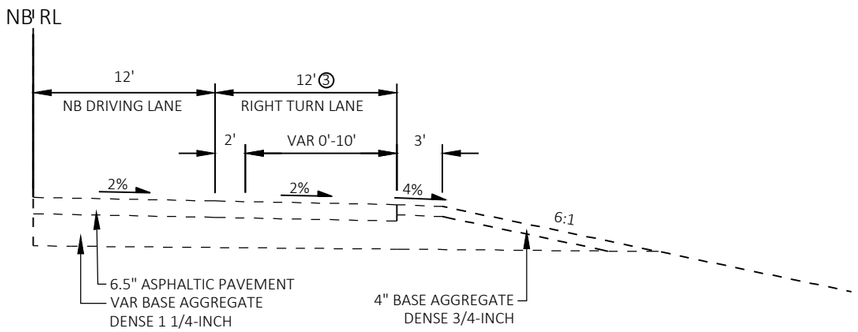

## TYPICAL EXISTING SECTION - NB LEFT TURN LANE

STH 13
STA 153+84.3 TO STA 157+45.2
STA 180+38.1 TO STA 183+09.4
STA 216+66.7 TO STA 219+50.0




## TYPICAL EXISTING SECTION - SB RIGHT TURN LANE

STH 13
STA 162+16.4 SB TO STA 165+03.6 SB
STA 187+61.1 SB TO STA 190+93.5 SB
STA 224+17.5 SB TO STA 227+48.3 SB




## TYPICAL EXISTING SECTION - NB RIGHT TURN LANE

STH 13
STA 182+44.2 TO STA 185+80.0
STA 218+95.6 TO STA 222+46.0

## NOTES

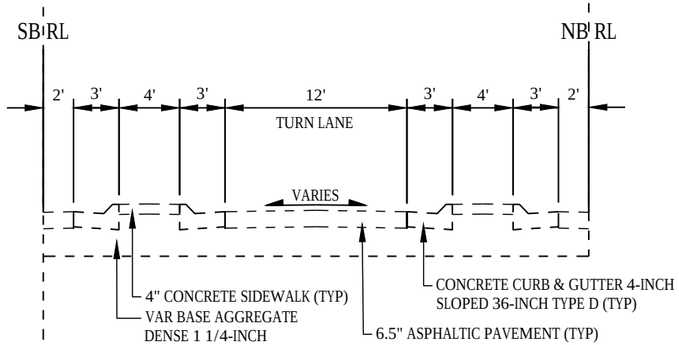
ALL STATIONING ARE 'NB' UNLESS OTHERWISE NOTED.

①MEDIAN WIDTH VARIES AT THE FOLLOWING LOCATIONS:
10'-36' STA 152+38.0 TO STA 153+84.3
36'-10' STA 232+62.3 TO STA 234+31.3

②NON-RAISED MEDIAN, WIDTH VARIES 0'-10' WITH 6.5" ASPHALTIC PAVEMENT AND 18" BASE AGGREGATE DENSE 1 1/4-INCH UNDERNEATH AT THE FOLLOWING LOCATIONS:
STA 147+62.8 TO STA 152+38.2
STA 234+30.9 TO STA 237+66.5

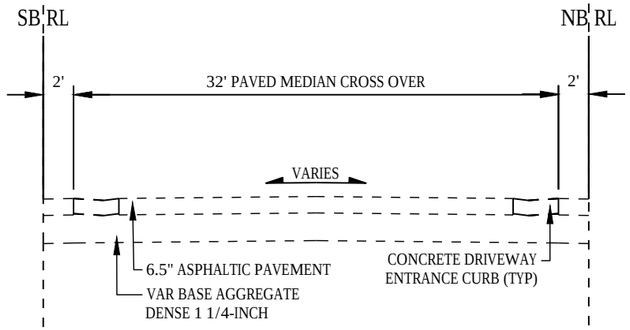
③WIDTH VARIES 10'-12' THROUGH THE TURN LANE TAPERS.

| PROJECT NO: 6140-02-71 | HWY: STH 13 | COUNTY: ADAMS | TYPICAL SECTIONS | SHEET 5 | E |
|---|---|---|---|---|---|



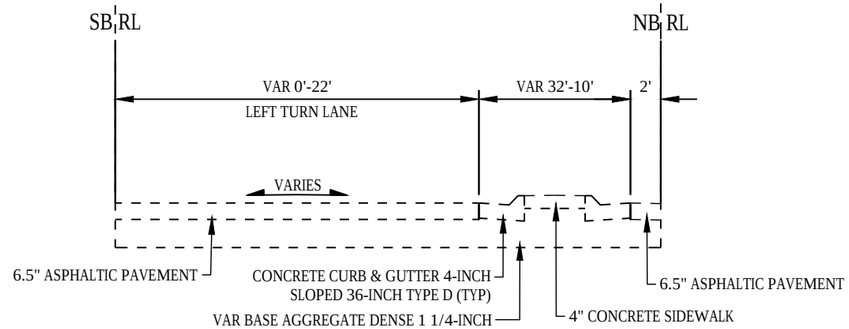

## TYPICAL EXISTING SECTION - NB / SB LEFT TURN LANE

STH 13
STA 157+45.2 TO STA 160+50.1
STA 183+09.4 TO STA 186+18.7
STA 187+30.9 TO STA 190+33.3
STA 219+50.0 TO STA 222+54.8
STA 224+06.1 TO STA 227+10.9




## TYPICAL EXISTING SECTION - MEDIAN CROSS OVER

STH 13
STA 173+65.2 TO STA 174+69.1
STA 196+48.6 TO STA 197+48.1




## TYPICAL EXISTING SECTION - SB LEFT TURN LANE

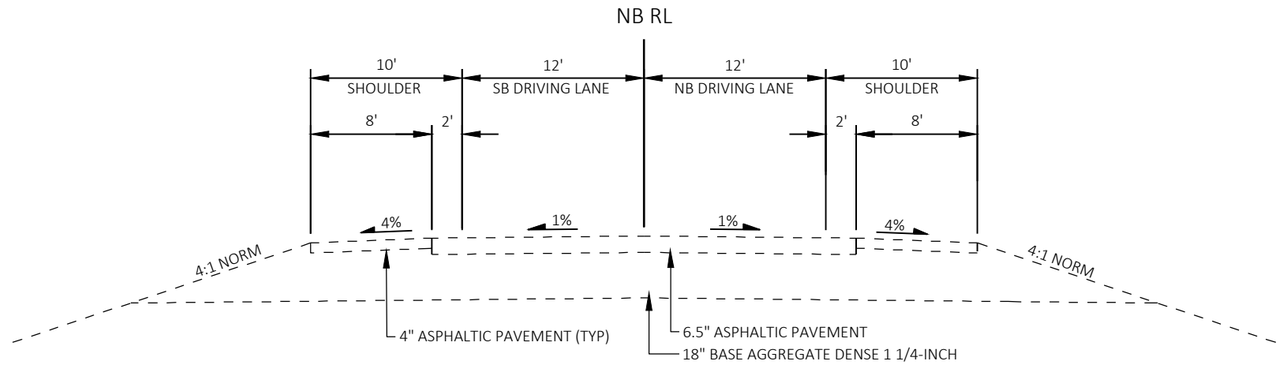
STH 13
STA 190+33.3 SB TO STA 192+95.9 SB
STA 227+02.5 SB TO STA 229+72.9 SB

## NOTES

ALL STATIONING ARE 'NB' UNLESS OTHERWISE NOTED.

| PROJECT NO: 6140-02-71 | HWY: STH 13 | COUNTY: ADAMS | TYPICAL SECTIONS | SHEET 6 | E |
|---|---|---|---|---|---|

2



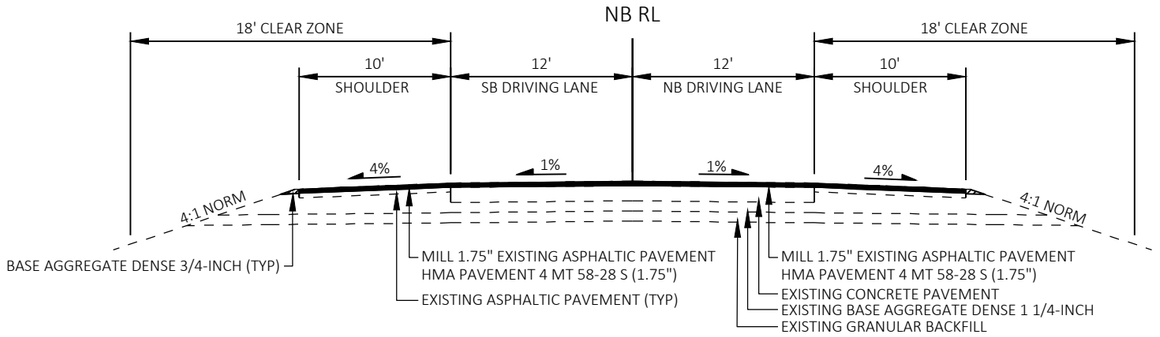

## TYPICAL EXISTING SECTION

STH 13
STA 237+66.8 TO STA 240+01.0

## NOTES

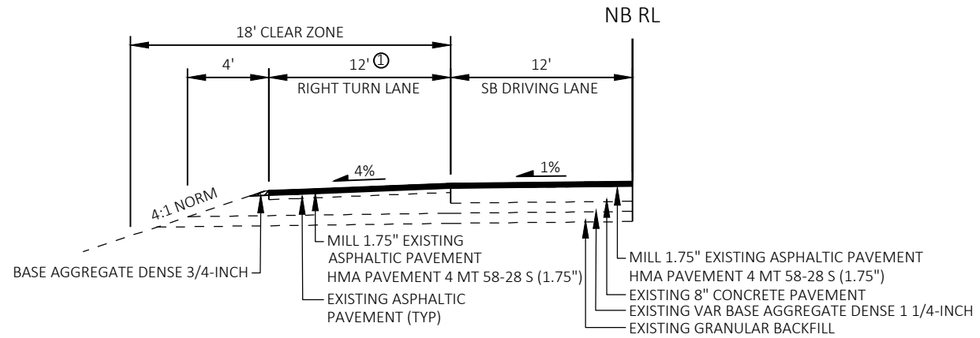
ALL STATIONING ARE 'NB' UNLESS OTHERWISE NOTED.

2




## TYPICAL FINISHED SECTION

STH 13
STA 108+64.0 TO STA 147+62.8



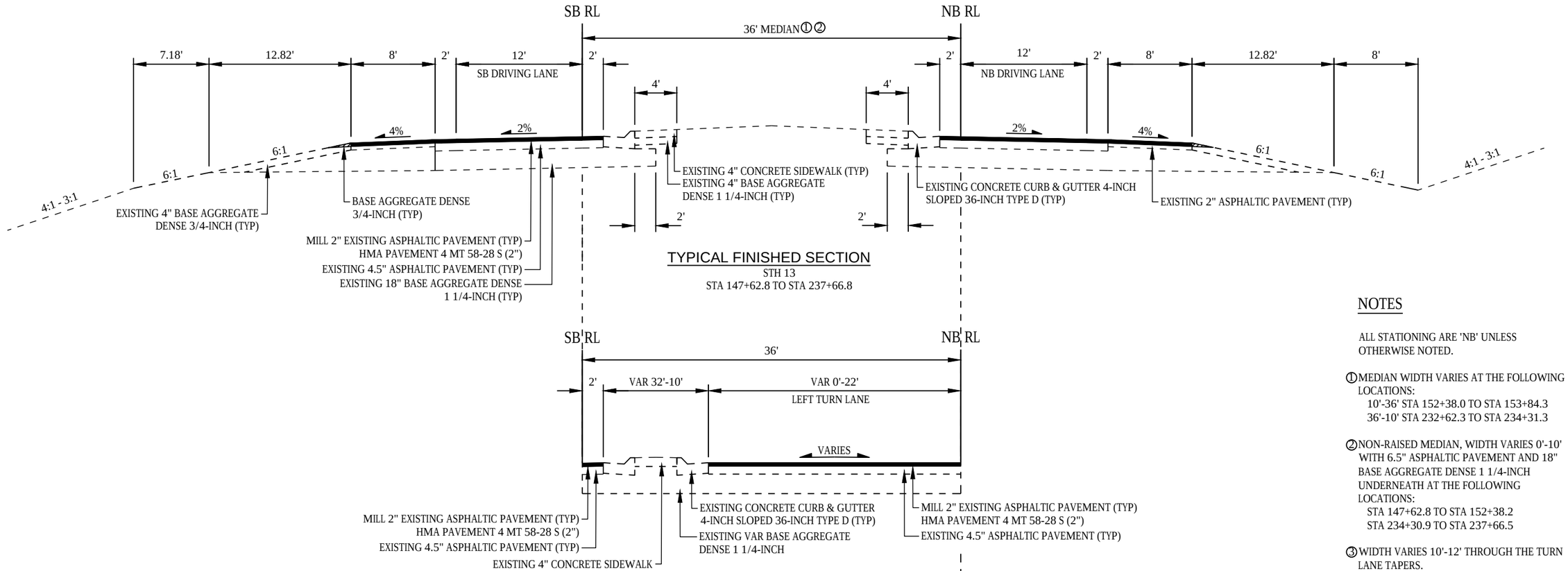

## FINISHED TYPICAL SECTION

STH 13
STA 108+64.0 TO STA 111+54.0

## NOTES

ALL STATIONING ARE 'NB' UNLESS OTHERWISE NOTED.

① WIDTH VARIES 10'-12' THROUGH THE TURN LANE TAPER.



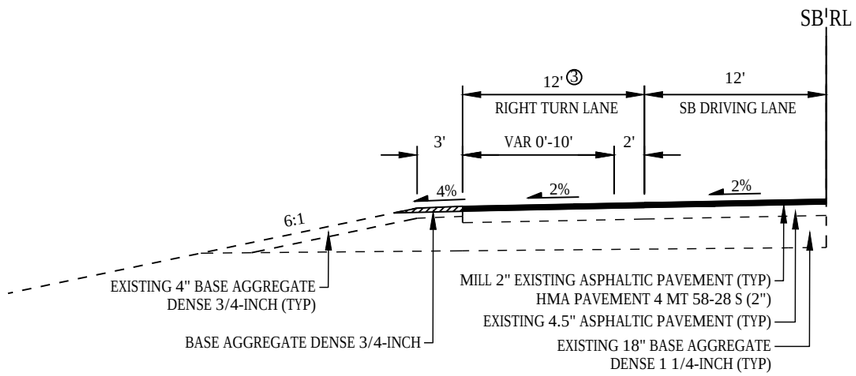

## TYPICAL FINISHED SECTION

STH 13
STA 147+62.8 TO STA 237+66.8



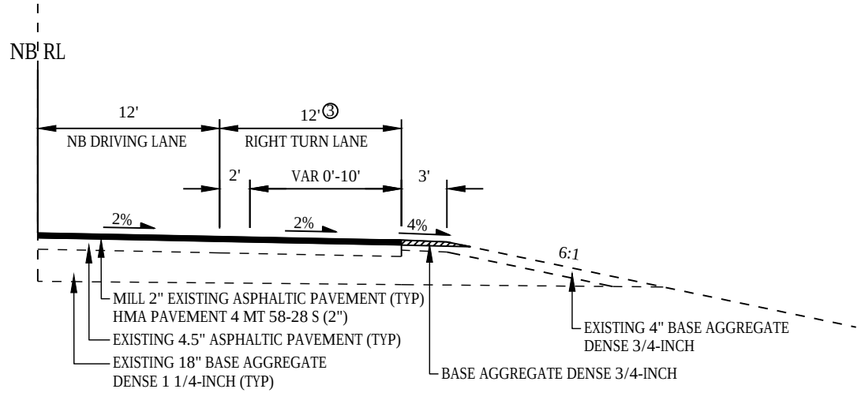

## TYPICAL FINISHED SECTION - NB LEFT TURN LANE

STH 13
STA 153+84.3 TO STA 157+45.2
STA 180+38.1 TO STA 183+09.4
STA 216+66.7 TO STA 219+50.0




## TYPICAL FINISHED SECTION - SB RIGHT TURN LANE

STH 13
STA 162+16.4 SB TO STA 165+03.6 SB
STA 187+61.1 SB TO STA 190+93.5 SB
STA 224+17.5 SB TO STA 227+48.3 SB




## TYPICAL FINISHED SECTION - NB RIGHT TURN LANE

STH 13
STA 182+44.2 TO STA 185+80.0
STA 218+95.6 TO STA 222+46.0

## NOTES

ALL STATIONING ARE 'NB' UNLESS OTHERWISE NOTED.

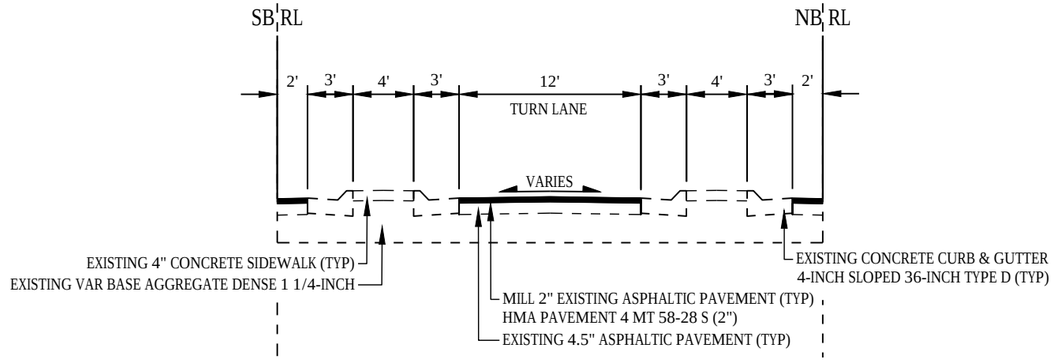
①MEDIAN WIDTH VARIES AT THE FOLLOWING LOCATIONS:
10'-36' STA 152+38.0 TO STA 153+84.3
36'-10' STA 232+62.3 TO STA 234+31.3

②NON-RAISED MEDIAN, WIDTH VARIES 0'-10' WITH 6.5" ASPHALTIC PAVEMENT AND 18" BASE AGGREGATE DENSE 1 1/4-INCH UNDERNEATH AT THE FOLLOWING LOCATIONS:
STA 147+62.8 TO STA 152+38.2
STA 234+30.9 TO STA 237+66.5

③WIDTH VARIES 10'-12' THROUGH THE TURN LANE TAPERS.

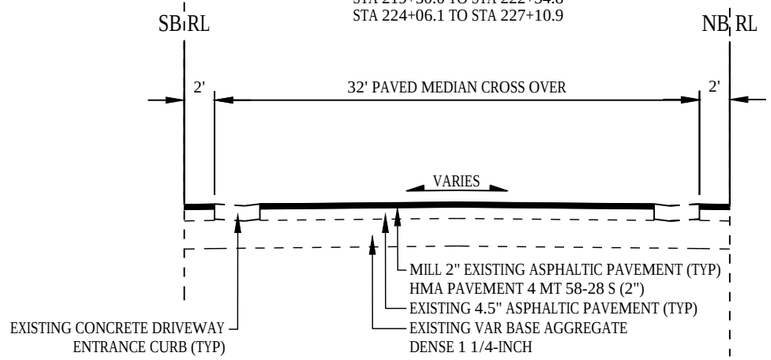
| PROJECT NO: 6140-02-71 | HWY: STH 13 | COUNTY: ADAMS | TYPICAL SECTIONS | SHEET 9 | E |
|---|---|---|---|---|---|

FILE NAME : X:\PROJECTS\ADAMS\6140-02-01_STH 13_CTY LINE-GOLDEN AVE\DESIGN\C3D\SHEETSPLAN\TYPSTH13.DWG
LAYOUT NAME - Finished02
PLOT DATE : 8/27/2020 9:01 AM PLOT BY : ERIC BENSON PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



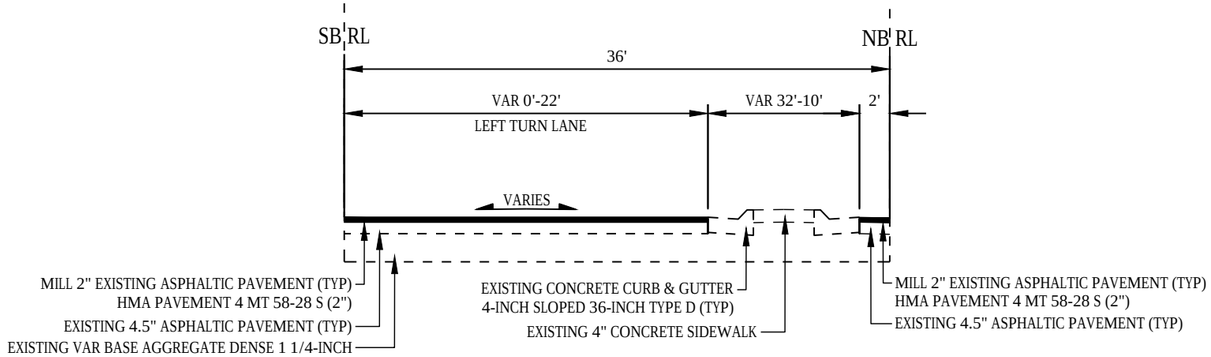

## TYPICAL FINISHED SECTION - NB / SB LEFT TURN LANE

STH 13
STA 157+45.2 TO STA 160+50.1
STA 183+09.4 TO STA 186+18.7
STA 187+30.9 TO STA 190+33.3
STA 219+50.0 TO STA 222+54.8
STA 224+06.1 TO STA 227+10.9




## TYPICAL FINISHED SECTION - MEDIAN CROSS OVER

STH 13
STA 173+65.2 TO STA 174+69.1
STA 196+48.6 TO STA 197+48.1




## NOTES

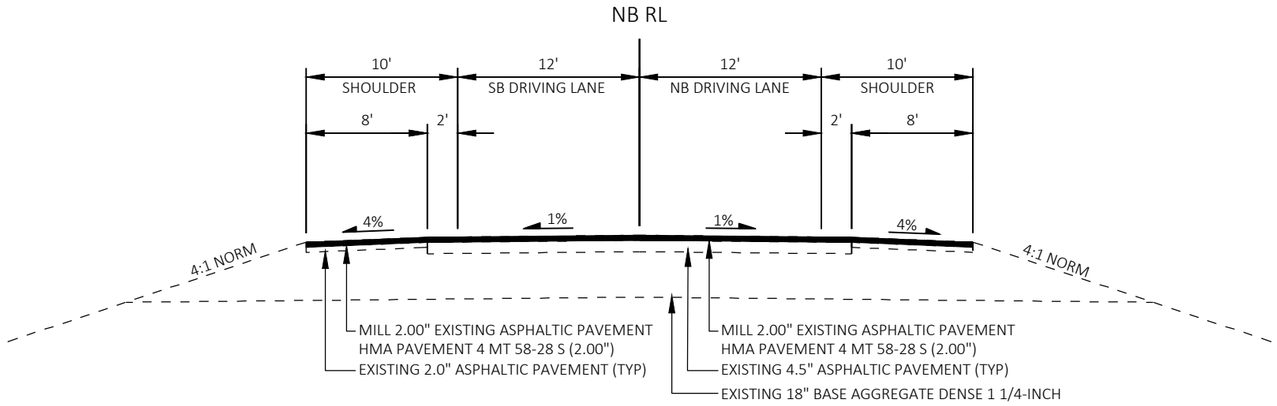
ALL STATIONING ARE 'NB' UNLESS OTHERWISE NOTED.

## TYPICAL FINISHED SECTION - SB LEFT TURN LANE

STH 13
STA 190+33.3 SB TO STA 192+95.9 SB
STA 227+02.5 SB TO STA 229+72.9 SB

| PROJECT NO: 6140-02-71 | HWY: STH 13 | COUNTY: ADAMS | TYPICAL SECTIONS | SHEET 10 | E |
|---|---|---|---|---|---|

2




## TYPICAL FINISHED SECTION

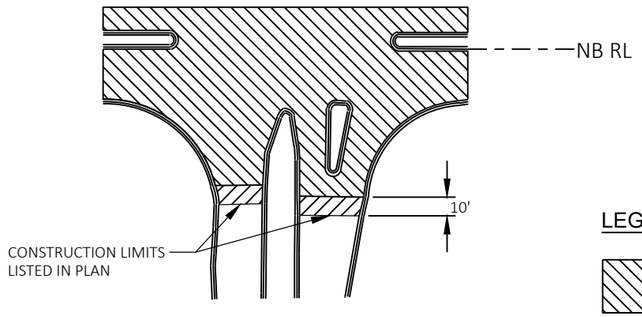
STH 13
STA 237+66.8 TO STA 240+01.0

## NOTES

ALL STATIONING ARE 'NB' UNLESS OTHERWISE NOTED.

| PROJECT NO: 6140-02-71 | HWY: STH 13 | COUNTY: ADAMS | PLAN: TYPICAL SECTIONS | SHEET 11 | E |
|---|---|---|---|---|---|

FILE NAME : X:\PROJECTS\ADAMS\6140-02-01_STH 13_CTY LINE-GOLDEN AVE\DESIGN\C3D\SHEETSPLAN\TYPSTH13.DWG
LAYOUT NAME - Finished04
PLOT DATE : 12/7/2020 3:50 PM PLOT BY : DUSTIN SCHUH PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

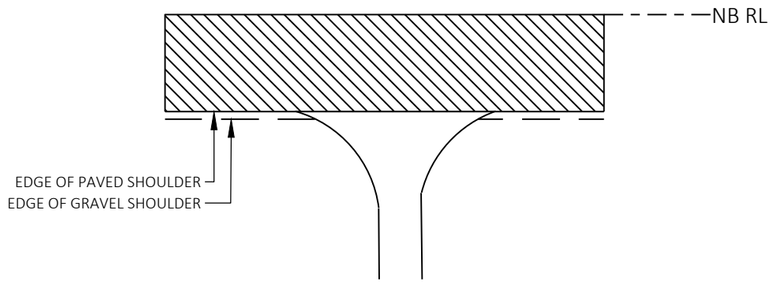



LEGEND

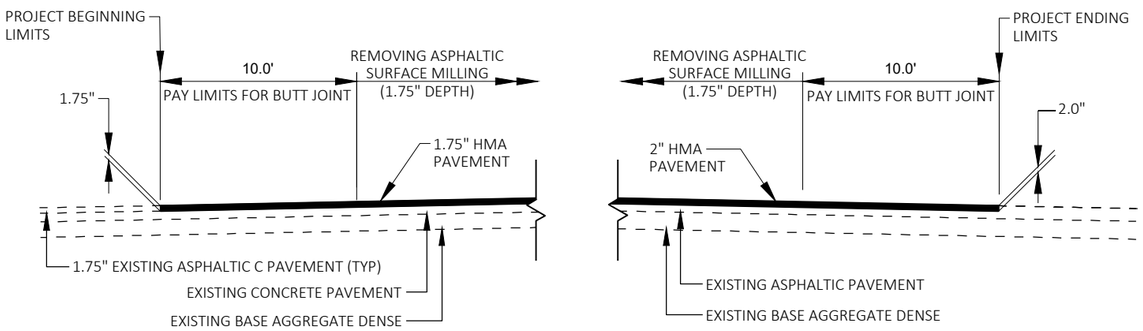
REMOVING ASPHALTIC SURFACE MILLING LIMITS

REMOVING ASPHALTIC SURFACE BUTT JOINT LIMITS

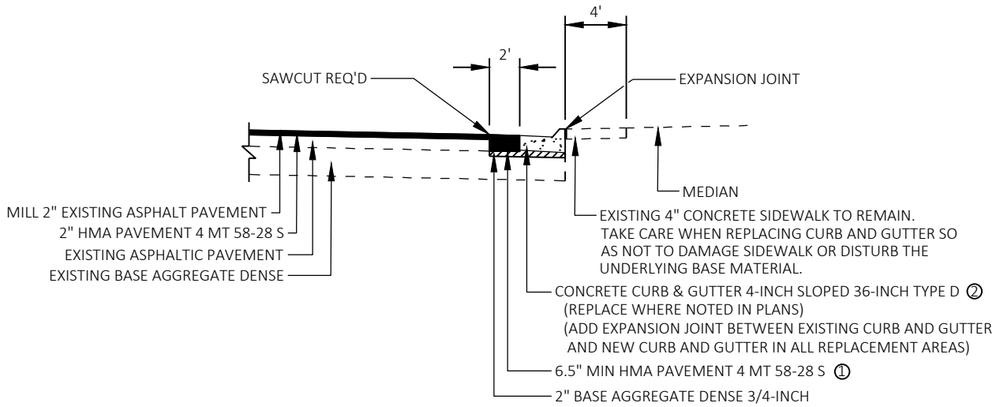
## LIMITS FOR PUBLIC SIDE STREETS




## LIMITS FOR RESIDENTIAL DRIVEWAYS

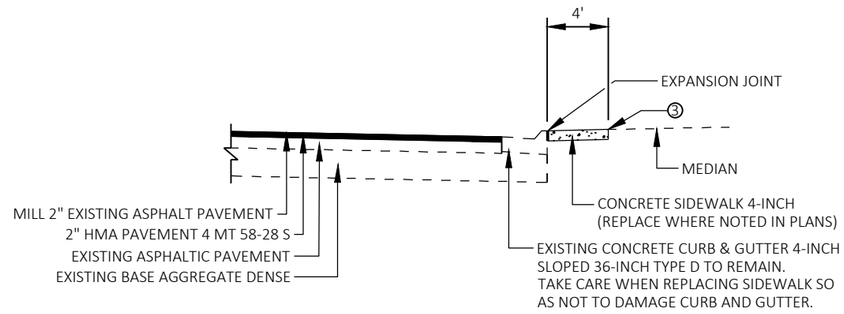



## STH 13 BUTT JOINTS




## CURB & GUTTER REPLACEMENT

STH 13
STA 167+16.7 'SB' TO STA 167+26.7 'SB'
STA 173+01.7 'NB' TO STA 173+16.7 'NB'
STA 210+97.0 'SB' TO STA 211+07.0 'SB'
STA 213+02.9 'NB' TO STA 213+12.9 'NB'
STA 229+72.9 'SB' TO STA 229+92.9 'SB'




## SIDEWALK REPLACEMENT

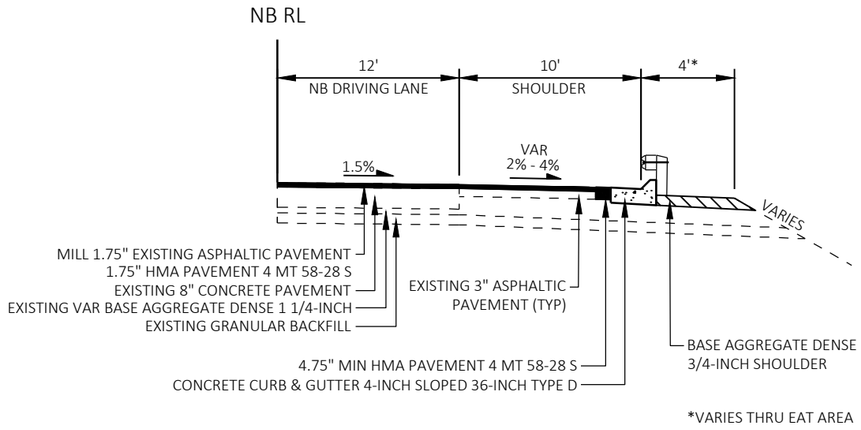
STH 13
STA 169+05.2 'NB' TO STA 169+15.2 'NB'
STA 205+71.6 'SB' TO STA 205+81.6 'SB'
STA 230+73.2 'NB' TO STA 230+78.2 'NB'

### NOTES

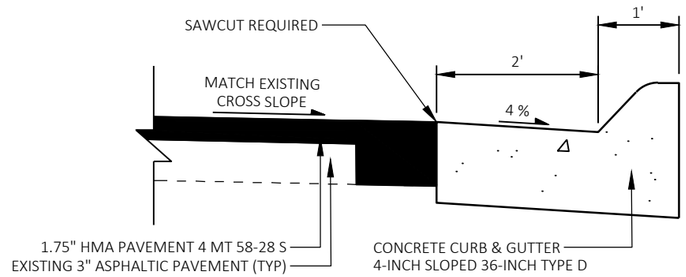
① MATCH EXISTING THICKNESS IF OVER 6.5".

② INSTALL EXPANSION JOINT AT ALL LOCATIONS WHERE THE NEW CURB AND GUTTER MATCHES UP AGAINST EXISTING CURB AND GUTTER.

③ PLACE SALVAGED TOPSOIL, SEED, FERTILIZER AND EROSION MAT ON ANY AREAS DISTURBED FROM THE SIDEWALK REPLACEMENT.



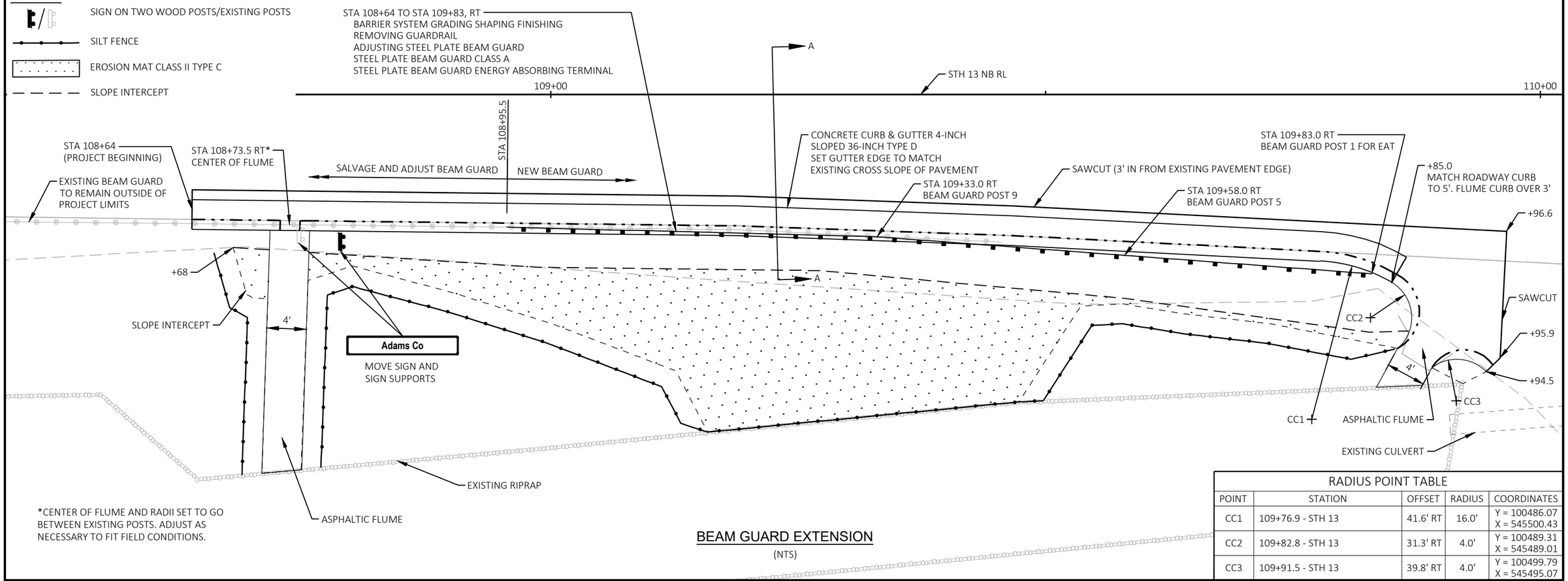

SECTION A-A




CONCRETE CURB & GUTTER

LEGEND

- SIGN ON TWO WOOD POSTS/EXISTING POSTS
- SILT FENCE
- EROSION MAT CLASS II TYPE C
- SLOPE INTERCEPT




BEAM GUARD EXTENSION

(NTS)

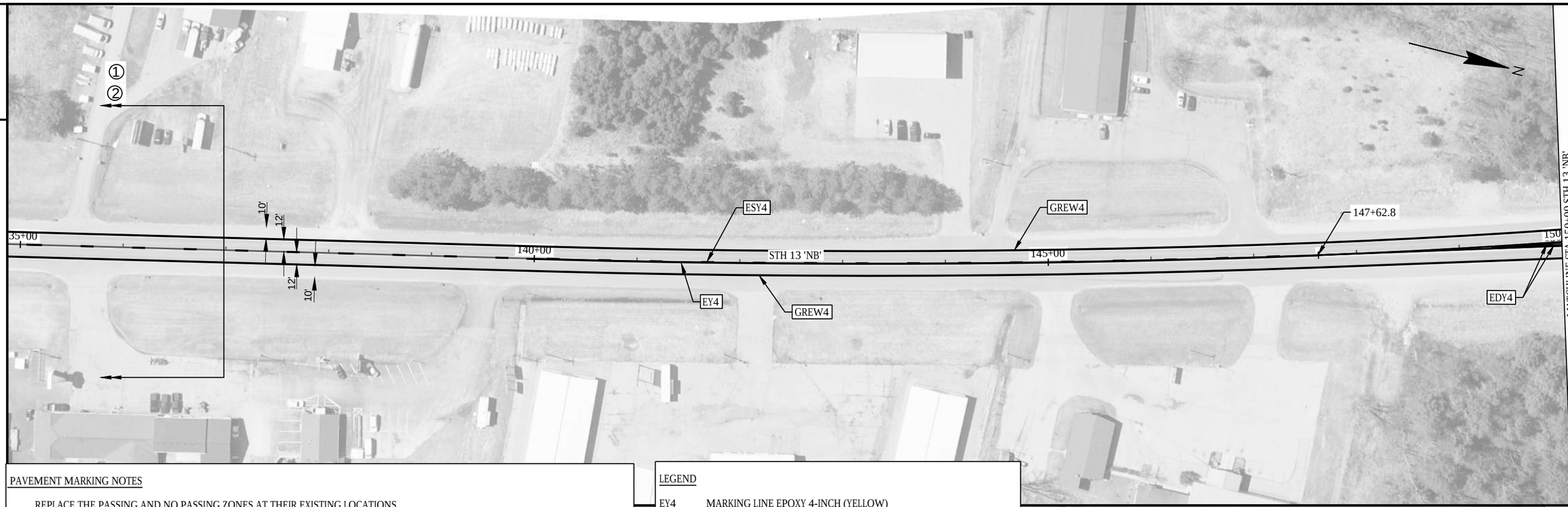
RADIUS POINT TABLE

| POINT | STATION | OFFSET | RADIUS | COORDINATES |
|---|---|---|---|---|
| CC1 | 109+76.9 - STH 13 | 41.6' RT | 16.0' | Y = 100486.07<br>X = 545500.43 |
| CC2 | 109+82.8 - STH 13 | 31.3' RT | 4.0' | Y = 100489.31<br>X = 545489.01 |
| CC3 | 109+91.5 - STH 13 | 39.8' RT | 4.0' | Y = 100499.79<br>X = 545495.07 |

| PROJECT NO: 6140-02-71 | HWY: STH 13 | COUNTY: ADAMS | CONSTRUCTION DETAILS - BEAM GUARD | SHEET 13 | E |
|---|---|---|---|---|---|

FILE NAME : X:\PROJECTS\ADAMS\6140-02-01_STH 13_CTY LINE-GOLDEN AVE\DESIGN\C3D\SHEETSPLAN\DT-GR_STH 13.DWG
LAYOUT NAME - STH 13 - (1)
PLOT DATE : 12/7/2020 8:19 AM
PLOT BY : DUSTIN SCHUH
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2




PAVEMENT MARKING NOTES

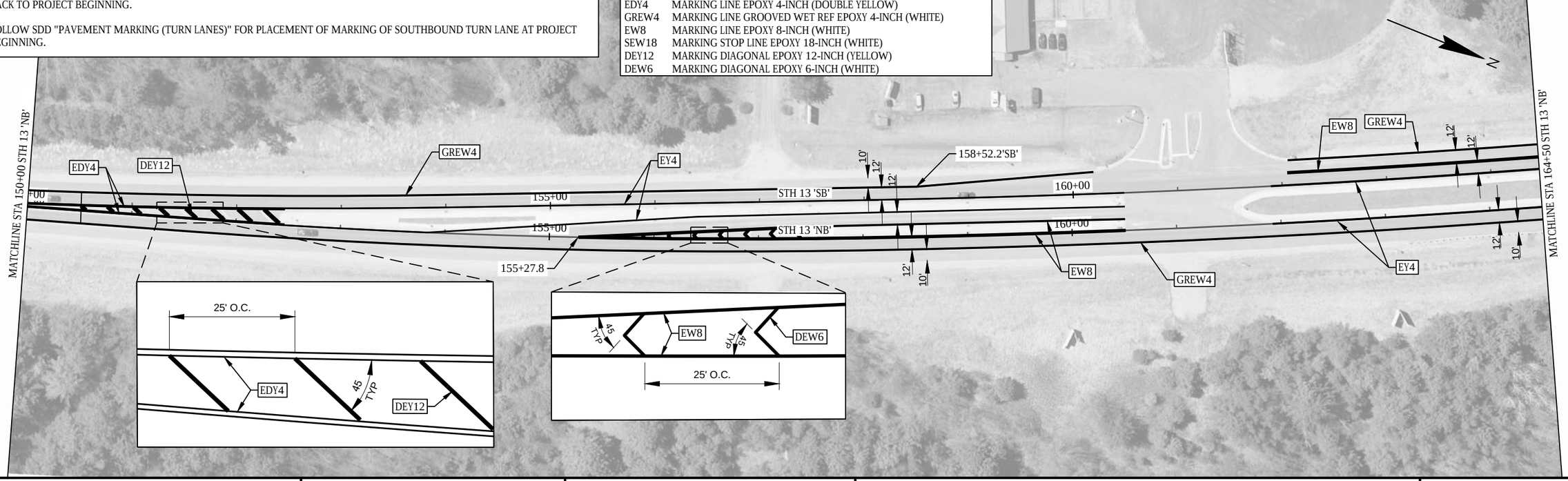
REPLACE THE PASSING AND NO PASSING ZONES AT THEIR EXISTING LOCATIONS.

① FOLLOW SDD "PAVEMENT MARKING (MAINLINE)" FOR PLACEMENT OF LONGITUDINAL CENTERLINE & EDGELINE MARKINGS BACK TO PROJECT BEGINNING.

② FOLLOW SDD "PAVEMENT MARKING (TURN LANES)" FOR PLACEMENT OF MARKING OF SOUTHBOUND TURN LANE AT PROJECT BEGINNING.

LEGEND

| | |
|---|---|
| EY4 | MARKING LINE EPOXY 4-INCH (YELLOW) |
| EW4 | MARKING LINE EPOXY 4-INCH (WHITE) |
| ESY4 | MARKING LINE EPOXY 4-INCH (SKIP, YELLOW) ( 12.5' SEG, 37.5' GAP) |
| EDY4 | MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW) |
| GREW4 | MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE) |
| EW8 | MARKING LINE EPOXY 8-INCH (WHITE) |
| SEW18 | MARKING STOP LINE EPOXY 18-INCH (WHITE) |
| DEY12 | MARKING DIAGONAL EPOXY 12-INCH (YELLOW) |
| DEW6 | MARKING DIAGONAL EPOXY 6-INCH (WHITE) |




| PROJECT NO: 6140-02-71 | HWY: STH 13 | COUNTY: ADAMS | PAVEMENT MARKING | SHEET 14 | E |
|---|---|---|---|---|---|

FILE NAME : X:\PROJECTS\ADAMS\6140-02-01_STH 13_CTY LINE-GOLDEN AVE\DESIGN\C3D\SHEETSPLAN\PM_STH 13.DWG
LAYOUT NAME - STH 13 - (2)
PLOT DATE : 9/9/2020 2:53 PM
PLOT BY : DUSTIN SCHUH
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2


| PROJECT NO: 6140-02-71 | HWY: STH 13 | COUNTY: ADAMS | PAVEMENT MARKING | SHEET 15 | E |
|---|---|---|---|---|---|

FILE NAME : X:\PROJECTS\ADAMS\6140-02-01_STH 13_CTY LINE-GOLDEN AVE\DESIGN\C3D\SHEETSPLAN\PM_STH 13.DWG
LAYOUT NAME - STH 13 - (3)

PLOT DATE : 9/9/2020 2:53 PM PLOT BY : DUSTIN SCHUH PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

MATCHLINE STA 193+50 STH 13 'NB'

MATCHLINE STA 230+00 STH 13 'NB'

MATCHLINE STA 230+00 STH 13 'NB'

GOLDEN AVENUE

GOLDEN AVENUE

N

N

N

GREW4
EY4
GREW4
EY4
12'
10'
STH 13 'SB'
STH 13 'NB'
220+00
220+00
220+76.2'SB'
12'
12'
12'
12'
12'
10'
218+00.1
217+55.1
218+75.4
DEW6
EW8
EW8
GREW4
EY4
GREW4

SEW18
00+01
10+69.1
11+85.4
SEW18

GREW4
EW8
EW8
227+31.0'SB'
228+51.5'SB'
229+05.0'SB'
225+00
225+00
DEW6
230
12'
12'
12'
12'
10'
EY4
225+09.4
GREW4

LEGEND

| | |
|---|---|
| EY4 | MARKING LINE EPOXY 4-INCH (YELLOW) |
| EW4 | MARKING LINE EPOXY 4-INCH (WHITE) |
| ESY4 | MARKING LINE EPOXY 4-INCH (SKIP, YELLOW) ( 12.5' SEG, 37.5' GAP) |
| EDY4 | MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW) |
| GREW4 | MARKING LINE GROOVED WET REF EPOXY 4-INCH (WHITE) |
| EW8 | MARKING LINE EPOXY 8-INCH (WHITE) |
| SEW18 | MARKING STOP LINE EPOXY 18-INCH (WHITE) |
| DEY12 | MARKING DIAGONAL EPOXY 12-INCH (YELLOW) |
| DEW6 | MARKING DIAGONAL EPOXY 6-INCH (WHITE) |

END PROJECT
STA 240+01.00

GREW4
EY4
12'
10'
STH 13 'SB'
STH 13 'NB'
EDY4
235+00
240+00
EY4
12'
12'
12'
10'
DEY12
237+66.8
ESY4
GREW4

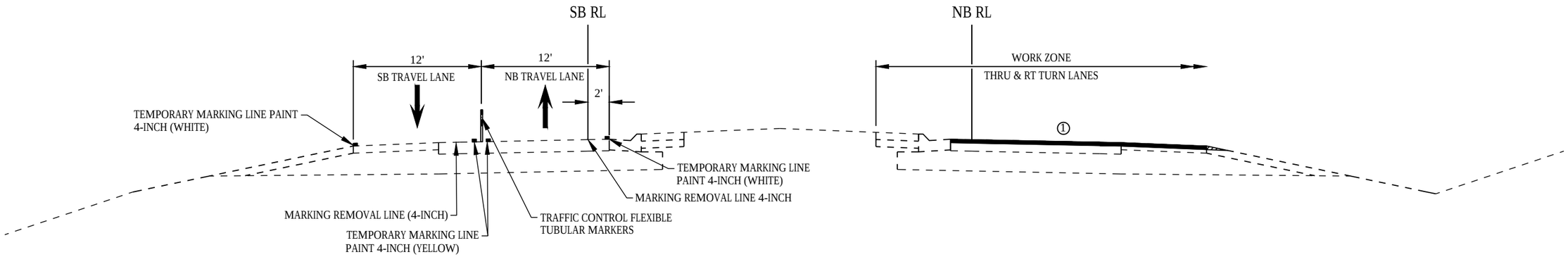
| | | | | | |
|---|---|---|---|---|---|
| PROJECT NO: 6140-02-71 | HWY: STH 13 | COUNTY: ADAMS | PAVEMENT MARKING | SHEET 16 | E |

FILE NAME : X:\PROJECTS\ADAMS\6140-02-01_STH 13_CTY LINE-GOLDEN AVE\DESIGN\C3D\SHEETSPLAN\PM_STH 13.DWG
LAYOUT NAME - STH 13 - (4)

PLOT DATE : 9/9/2020 2:54 PM PLOT BY : DUSTIN SCHUH PLOT NAME : PLOT SCALE : 1 IN:100 FT

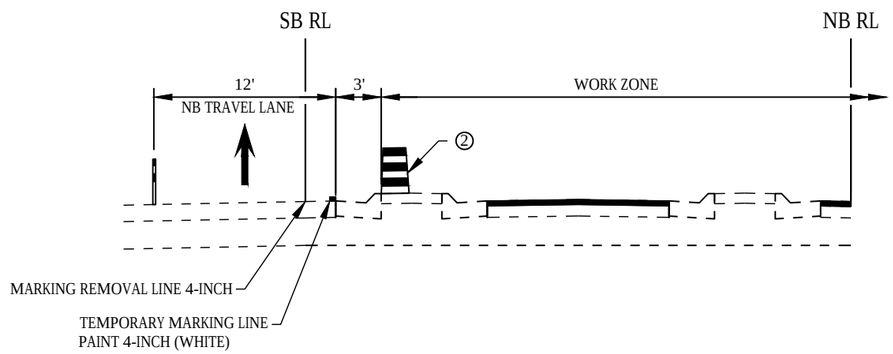
WISDOT/CADDS SHEET 44

2




## STAGE 1 TYPICAL SECTION

STH 13
STA 150+40 NB TO STA 236+35 NB




## STAGE 1 TYPICAL SECTION - NB LEFT TURN LANES

STH 13

### LEGEND

TRAFFIC CONTROL DRUM

DIRECTION OF THRU TRAFFIC

### NOTES

① BEGIN NB MILLING AND PAVING FOR STAGE 1 AT APPROXIMATELY STA 150+40.0.

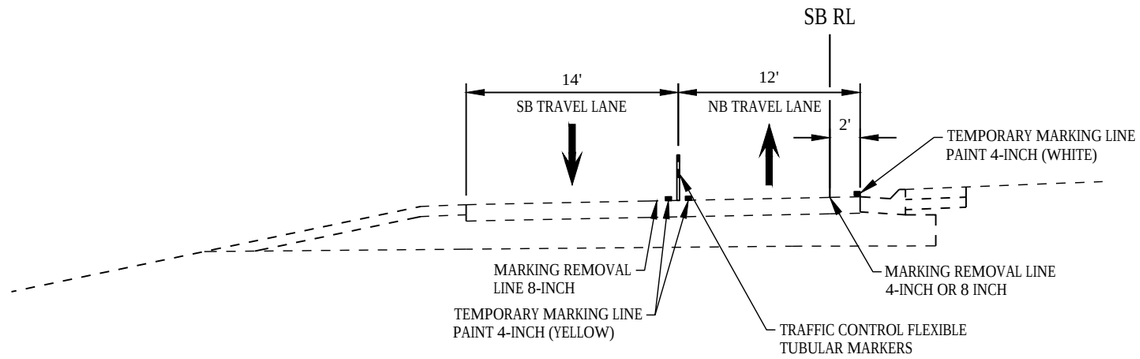
END NB MILLING AND PAVING FOR STAGE 1 AT APPROXIMATELY STA 236+35.0.

② PLACE DRUMS WHERE CONCRETE MEDIAN IS PAVED FULL WIDTH.

| PROJECT NO: 6140-02-71 | HWY: STH 13 | COUNTY: ADAMS | TRAFFIC CONTROL - TYPICAL SECTIONS | SHEET 17 | E |
|---|---|---|---|---|---|

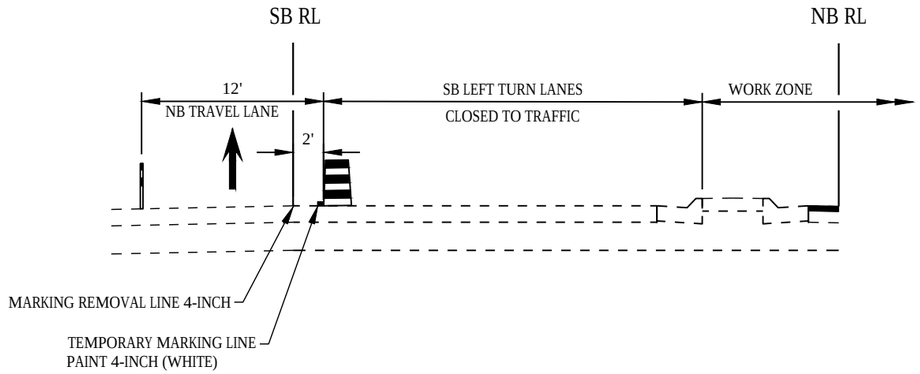
FILE NAME : X:\PROJECTS\ADAMS\6140-02-01_STH 13_CTY LINE-GOLDEN AVE\DESIGN\C3D\SHEETSPLAN\CONSTRUCTION STAGING.DWG
LAYOUT NAME - Existing 01
PLOT DATE : 8/27/2020 9:02 AM PLOT BY : ERIC BENSON PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2




STAGE 1 TYPICAL SECTION (THROUGH SB RIGHT TURN LANES)

STH 13




STAGE 1 TYPICAL SECTION - SB LEFT TURN LANES

STH 13

LEGEND

TRAFFIC CONTROL DRUM

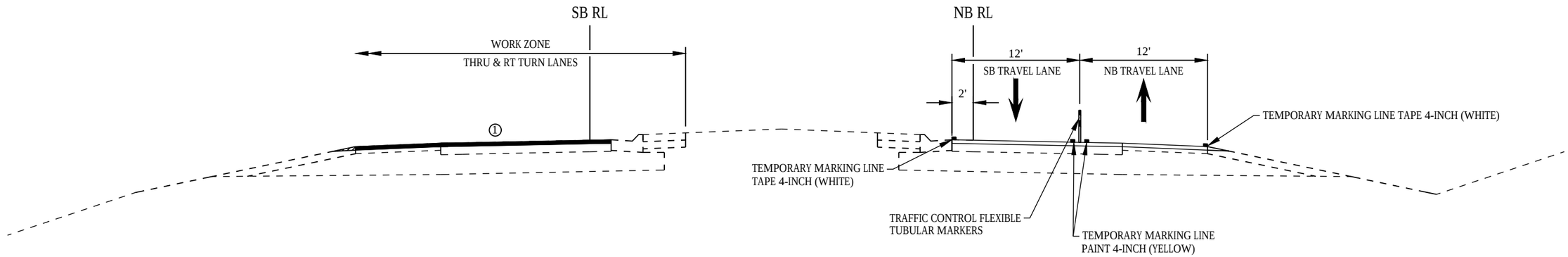
DIRECTION OF THRU TRAFFIC

| PROJECT NO: 6140-02-71 | HWY: STH 13 | COUNTY: ADAMS | TRAFFIC CONTROL - TYPICAL SECTIONS | SHEET 18 | E |
|---|---|---|---|---|---|

FILE NAME : X:\PROJECTS\ADAMS\6140-02-01_STH 13_CTY LINE-GOLDEN AVE\DESIGN\C3D\SHEETSPLAN\CONSTRUCTION STAGING.DWG
LAYOUT NAME - Existing02

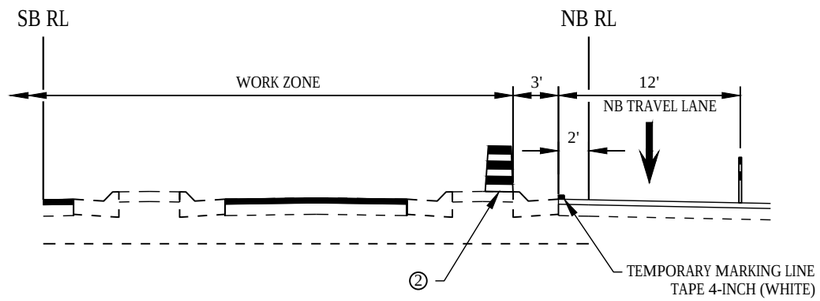
PLOT DATE : 8/27/2020 9:02 AM PLOT BY : ERIC BENSON PLOT NAME : PLOT SCALE : 1 IN:10 FT

2




## STAGE 2 TYPICAL SECTION

STH 13
STA 150+40 NB TO STA 236+35 NB




## STAGE 2 TYPICAL SECTION - SB LEFT TURN LANES

STH 13

## LEGEND

TRAFFIC CONTROL DRUM

DIRECTION OF THRU TRAFFIC

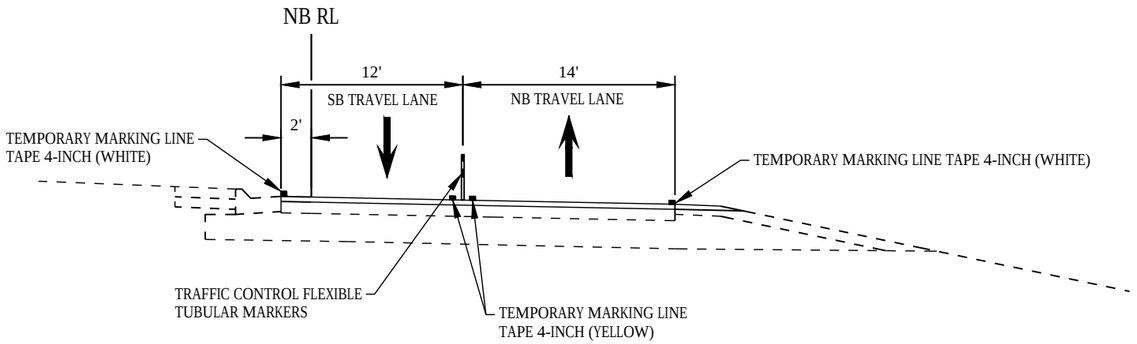
## NOTES

① BEGIN NB MILLING AND PAVING FOR STAGE 1 AT APPROXIMATELY STA 150+40.0.

END NB MILLING AND PAVING FOR STAGE 1 AT APPROXIMATELY STA 236+35.0.

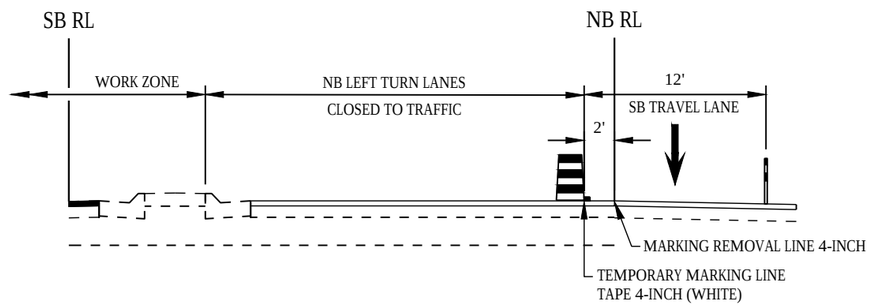
② PLACE DRUMS WHERE CONCRETE MEDIAN IS PAVED FULL WIDTH.

2




STAGE 2 TYPICAL SECTION (THROUGH NB RIGHT TURN LANES)

STH 13




STAGE 2 TYPICAL SECTION - NB LEFT TURN LANES

STH 13

LEGEND

TRAFFIC CONTROL DRUM

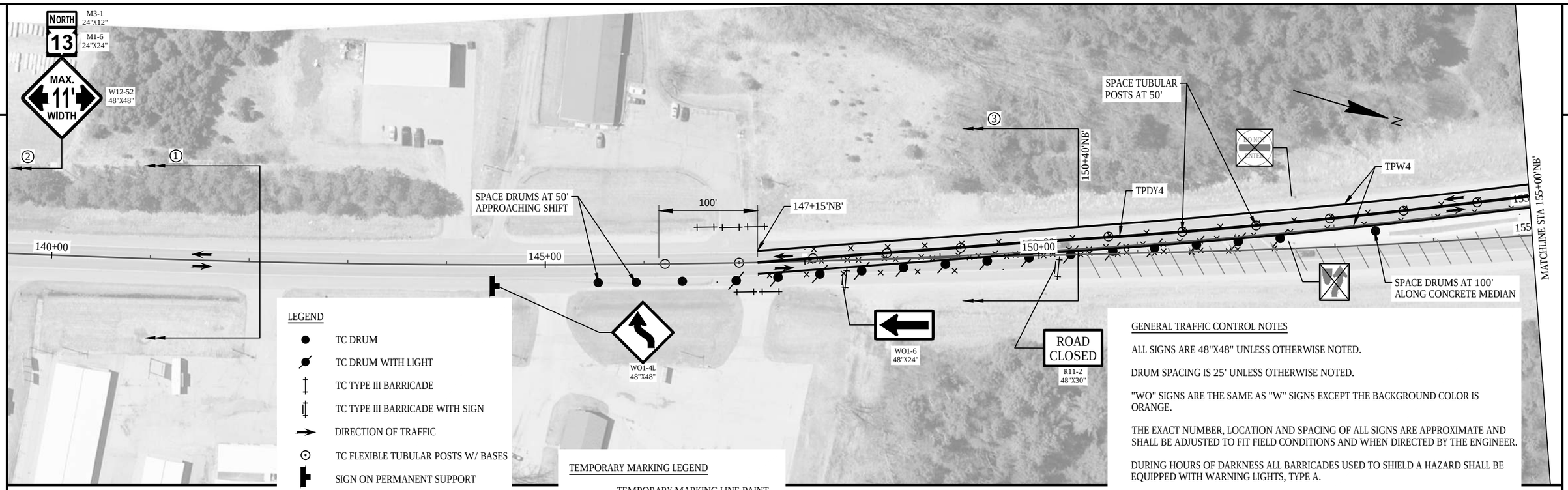
DIRECTION OF THRU TRAFFIC

| PROJECT NO: 6140-02-71 | HWY: STH 13 | COUNTY: ADAMS | TRAFFIC CONTROL - TYPICAL SECTIONS | SHEET 20 | E |
|---|---|---|---|---|---|

FILE NAME : X:\PROJECTS\ADAMS\6140-02-01_STH 13_CTY LINE-GOLDEN AVE\DESIGN\C3D\SHEETSPLAN\CONSTRUCTION STAGING.DWG
LAYOUT NAME - Existing04

PLOT DATE : 8/27/2020 9:02 AM PLOT BY : ERIC BENSON PLOT NAME : PLOT SCALE : 1 IN:10 FT

2




LEGEND

- TC DRUM
- TC DRUM WITH LIGHT
- TC TYPE III BARRICADE
- TC TYPE III BARRICADE WITH SIGN
- DIRECTION OF TRAFFIC
- TC FLEXIBLE TUBULAR POSTS W/ BASES
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- 16-INCH FLAGS
- REMOVE PAVEMENT MARKING
- COVER EXISTING SIGN
- WORK COMPLETED WHILE CLOSED TO THROUGH TRAFFIC
- WORK COMPLETED WHILE OPEN TO SIDE STREET TRAFFIC UTILIZING FLAGGERS

TEMPORARY MARKING LEGEND

| | |
|---|---|
| TPDY4 | TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) |
| TPY4 | TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW) |
| TPW4 | TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) |
| TSTW18 | TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE) |

GENERAL TRAFFIC CONTROL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

DRUM SPACING IS 25' UNLESS OTHERWISE NOTED.

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

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS ARE APPROXIMATE AND SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AND WHEN DIRECTED BY THE ENGINEER.

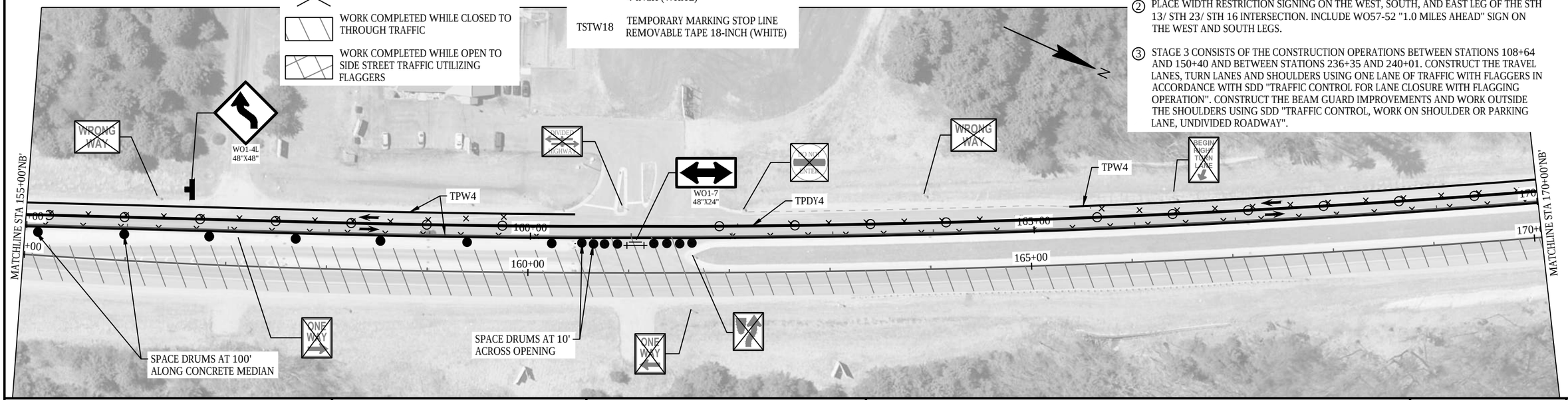
DURING HOURS OF DARKNESS ALL BARRICADES USED TO SHIELD A HAZARD SHALL BE EQUIPPED WITH WARNING LIGHTS, TYPE A.

NOTES

① ADVANCED SIGNING AT PROJECT BEGINNING SHALL FOLLOW SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC". INCLUDE G20-1 "ROAD WORK NEXT 2.5 MILES" SIGN. PLACE W12-52 "MAX 11' WIDTH" SIGN 500 FEET BEFORE THE W20-1A SIGN.

② PLACE WIDTH RESTRICTION SIGNING ON THE WEST, SOUTH, AND EAST LEG OF THE STH 13/ STH 23/ STH 16 INTERSECTION. INCLUDE WO57-52 "1.0 MILES AHEAD" SIGN ON THE WEST AND SOUTH LEGS.

③ STAGE 3 CONSISTS OF THE CONSTRUCTION OPERATIONS BETWEEN STATIONS 108+64 AND 150+40 AND BETWEEN STATIONS 236+35 AND 240+01. CONSTRUCT THE TRAVEL LANES, TURN LANES AND SHOULDERS USING ONE LANE OF TRAFFIC WITH FLAGGERS IN ACCORDANCE WITH SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION". CONSTRUCT THE BEAM GUARD IMPROVEMENTS AND WORK OUTSIDE THE SHOULDERS USING SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY".




| PROJECT NO: 6140-02-71 | HWY: STH 13 | COUNTY: ADAMS | TRAFFIC CONTROL - STAGE 1 | SHEET 21 | E |
|---|---|---|---|---|---|

FILE NAME : X:\PROJECTS\ADAMS\6140-02-01_STH 13_CTY LINE-GOLDEN AVE\DESIGN\C3D\SHEETSPLAN\TRAFFIC CONTROL - STAGE 1.DWG
LAYOUT NAME - STH 13 - (1)
PLOT DATE : 8/31/2020 4:42 PM
PLOT BY : STEVE LIPPERT
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

2

MATCHLINE STA 170+00'NB'

MATCHLINE STA 185+00'NB'

TPW4

TPDY4

PLACE AND SPACE DRUMS AT 10' TO ALLOW TEMPORARY DRIVEWAY ACCESS ALONG SHOULDER

LEGEND

- TC DRUM
- TC DRUM WITH LIGHT
- TC TYPE III BARRICADE
- TC TYPE III BARRICADE WITH SIGN
- DIRECTION OF TRAFFIC
- TC FLEXIBLE TUBULAR POSTS W/ BASES
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- 16-INCH FLAGS
- REMOVE PAVEMENT MARKING
- COVER EXISTING SIGN
- WORK COMPLETED WHILE CLOSED TO THROUGH TRAFFIC
- WORK COMPLETED WHILE OPEN TO SIDE STREET TRAFFIC UTILIZING FLAGGERS

NOTES

① ADVANCED SIGNING ON SIDE ROADS SHALL FOLLOW SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES, DETAIL 2".

CHULA VISTA PKWY

SPACE DRUMS AT 100' ALONG CONCRETE MEDIAN AND LEFT TURN OPENINGS

DO NOT ENTER

WRONG WAY

BEGIN LEFT TURN LANE

LANE CLOSED

R11-2L
48"X30"

BEGIN RIGHT TURN LANE

ONE WAY

DIVIDED HIGHWAY

TSTW18

ROAD CLOSED

R11-2
48"X30"

STOP

R1-1
36"X36"

9TH LANE

PLACE AND SPACE DRUMS AT 10' TO ALLOW TEMPORARY DRIVEWAY ACCESS ALONG SHOULDER

SPACE DRUMS AT 10' ACROSS OPENING

TEMPORARY MARKING LEGEND

| | |
|---|---|
| TPDY4 | TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) |
| TPY4 | TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW) |
| TPW4 | TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) |
| TSTW18 | TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE) |

| PROJECT NO: 6140-02-71 | HWY: STH 13 | COUNTY: ADAMS | TRAFFIC CONTROL - STAGE 1 | SHEET 22 | E |
|---|---|---|---|---|---|

FILE NAME : X:\PROJECTS\ADAMS\6140-02-01_STH 13_CTY LINE-GOLDEN AVE\DESIGN\C3D\SHEETSPLAN\TRAFFIC CONTROL - STAGE 1.DWG
LAYOUT NAME - STH 13 - (2)

PLOT DATE : 8/31/2020 4:42 PM PLOT BY : STEVE LIPPERT PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

MATCHLINE STA 200+00'NB'

MATCHLINE STA 215+00'NB'

TPW4

TPDY4

N

200+00

205+00

210+00

215

LEGEND

- TC DRUM
- TC DRUM WITH LIGHT
- TC TYPE III BARRICADE
- TC TYPE III BARRICADE WITH SIGN
- DIRECTION OF TRAFFIC
- TC FLEXIBLE TUBULAR POSTS W/ BASES
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- 16-INCH FLAGS
- REMOVE PAVEMENT MARKING
- COVER EXISTING SIGN
- WORK COMPLETED WHILE CLOSED TO THROUGH TRAFFIC
- WORK COMPLETED WHILE OPEN TO SIDE STREET TRAFFIC UTILIZING FLAGGERS

TEMPORARY MARKING LEGEND

| | |
|---|---|
| TPDY4 | TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) |
| TPY4 | TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW) |
| TPW4 | TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) |
| TSTW18 | TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE) |

NOTES

① ADVANCED SIGNING ON SIDE ROADS SHALL FOLLOW SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES, DETAIL 3".

MATCHLINE STA 215+00'NB'

MATCHLINE STA 230+00'NB'

GOLDEN AVENUE

SPACE DRUMS AT 100' ALONG CONCRETE MEDIAN AND LEFT TURN OPENINGS

TPW4

TPDY4

TSTW18

ONE WAY

DIVIDED HIGHWAY

WRONG WAY

BEGIN LEFT TURN LANE

LANE CLOSED
R11-2L
48"X30"

BEGIN RIGHT TURN LANE

ROAD CLOSED
R11-2
48"X30"

STOP
R1-1
36"X36"

WO1-4R
48"X48"

215+00

220+00

225+00

230

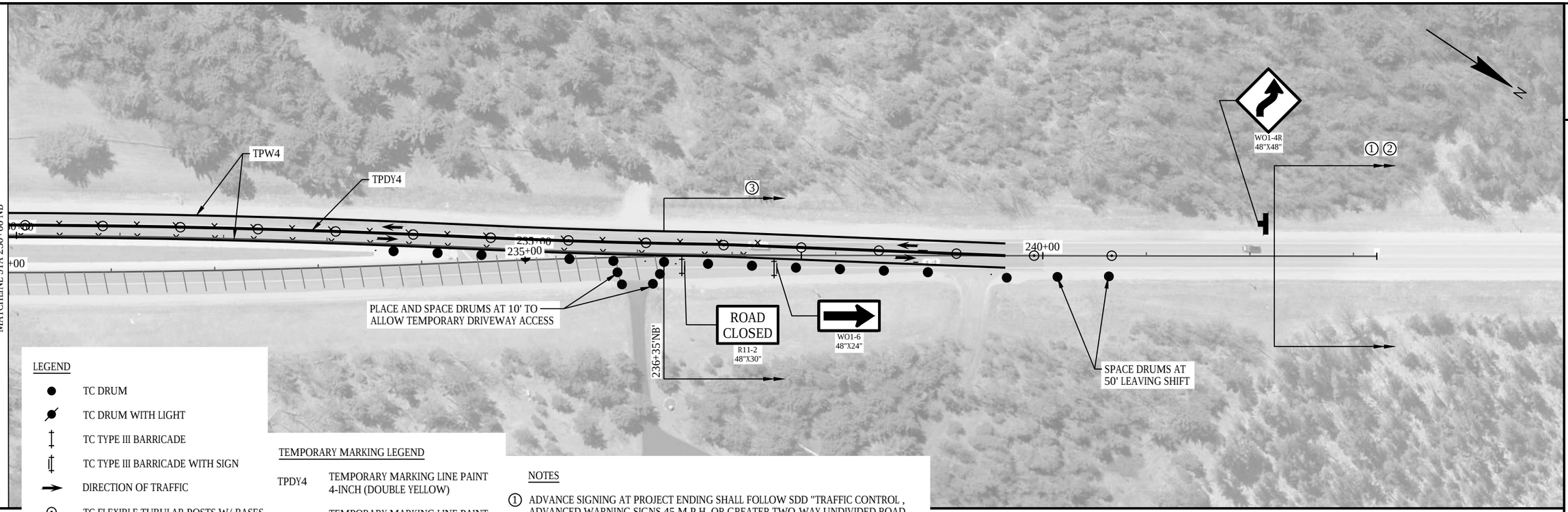
| | | | | |
|---|---|---|---|---|
| PROJECT NO: 6140-02-71 | HWY: STH 13 | COUNTY: ADAMS | TRAFFIC CONTROL - STAGE 1 | SHEET 23 E |

FILE NAME : X:\PROJECTS\ADAMS\6140-02-01_STH 13_CTY LINE-GOLDEN AVE\DESIGN\C3D\SHEETSPLAN\TRAFFIC CONTROL - STAGE 1.DWG
LAYOUT NAME - STH 13 - (3)

PLOT DATE : 8/31/2020 4:42 PM PLOT BY : STEVE LIPPERT PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2




LEGEND

- TC DRUM
- TC DRUM WITH LIGHT
- TC TYPE III BARRICADE
- TC TYPE III BARRICADE WITH SIGN
- DIRECTION OF TRAFFIC
- TC FLEXIBLE TUBULAR POSTS W/ BASES
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- 16-INCH FLAGS
- REMOVE PAVEMENT MARKING
- COVER EXISTING SIGN
- WORK COMPLETED WHILE CLOSED TO THROUGH TRAFFIC
- WORK COMPLETED WHILE OPEN TO SIDE STREET TRAFFIC UTILIZING FLAGGERS

TEMPORARY MARKING LEGEND

| | |
|---|---|
| TPDY4 | TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) |
| TPY4 | TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW) |
| TPW4 | TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) |
| TSTW18 | TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE) |

NOTES

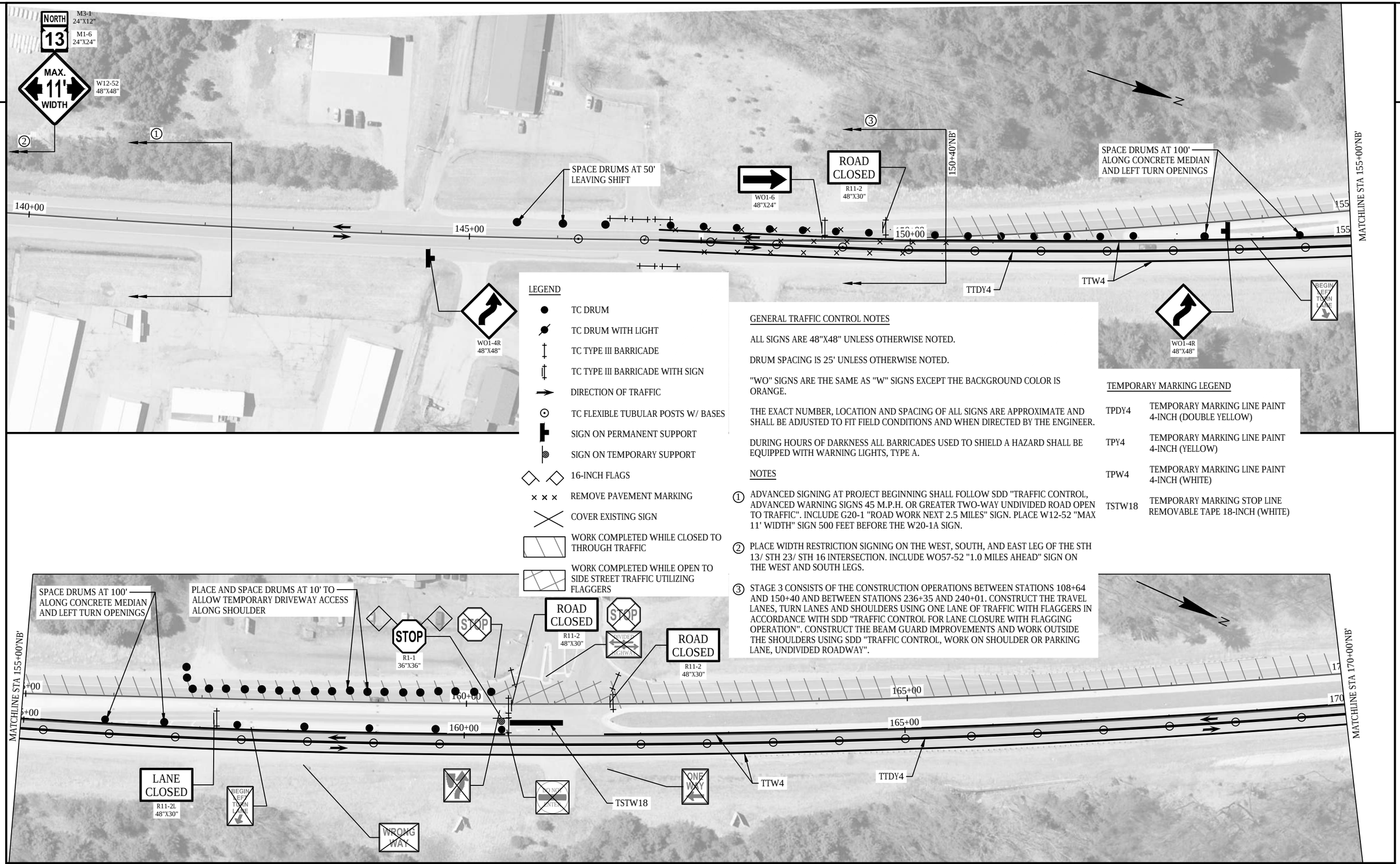
① ADVANCE SIGNING AT PROJECT ENDING SHALL FOLLOW SDD "TRAFFIC CONTROL , ADVANCED WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC". INCLUDE G20-1 "ROAD WORK NEXT 2.2 MILES" SIGN. PLACE W12-52 "MAX 11' WIDTH" SIGN 500 FEET BEFORE THE W20-1A SIGN.

② PLACE W12-52 "MAX 11' WIDTH" SIGN ON STH 13 JUST NORTH OF CTH Q. INCLUDE WO57-52 "0.8 MILES AHEAD" SIGN. ALSO PLACE W12-52 SIGN WITH M3-3 "SOUTH" SIGN AND M1-6 "13" SIGN ON CTH Q.

③ STAGE 3 CONSISTS OF THE CONSTRUCTION OPERATIONS BETWEEN STATIONS 108+64 AND 150+40 AND BETWEEN STATIONS 236+35 AND 240+01. COMPLETE STAGE 3 USING ONE LANE OF TRAFFIC WITH FLAGGERS IN ACCORDANCE WITH SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION".

| PROJECT NO: 6140-02-71 | HWY: STH 13 | COUNTY: ADAMS | TRAFFIC CONTROL - STAGE 1 | SHEET 24 | E |
|---|---|---|---|---|---|

FILE NAME : X:\PROJECTS\ADAMS\6140-02-01_STH 13_CTY LINE-GOLDEN AVE\DESIGN\C3D\SHEETSPLAN\TRAFFIC CONTROL - STAGE 1.DWG
LAYOUT NAME - STH 13 - (4)
PLOT DATE : 8/31/2020 4:42 PM PLOT BY : STEVE LIPPERT PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44




GENERAL TRAFFIC CONTROL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

DRUM SPACING IS 25' UNLESS OTHERWISE NOTED.

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

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS ARE APPROXIMATE AND SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AND WHEN DIRECTED BY THE ENGINEER.

DURING HOURS OF DARKNESS ALL BARRICADES USED TO SHIELD A HAZARD SHALL BE EQUIPPED WITH WARNING LIGHTS, TYPE A.

NOTES

① ADVANCED SIGNING AT PROJECT BEGINNING SHALL FOLLOW SDD "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC". INCLUDE G20-1 "ROAD WORK NEXT 2.5 MILES" SIGN. PLACE W12-52 "MAX 11' WIDTH" SIGN 500 FEET BEFORE THE W20-1A SIGN.

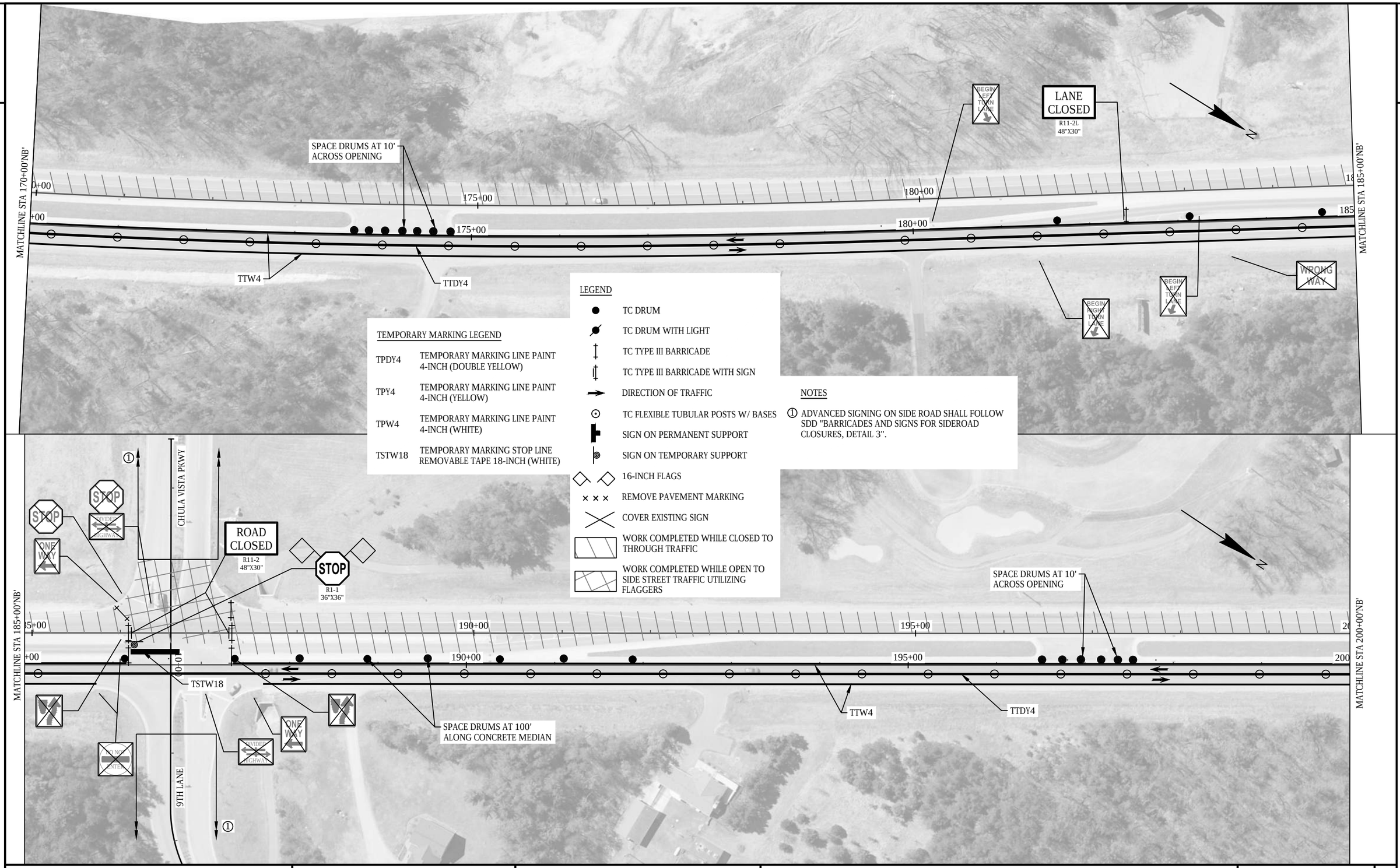
② PLACE WIDTH RESTRICTION SIGNING ON THE WEST, SOUTH, AND EAST LEG OF THE STH 13/ STH 23/ STH 16 INTERSECTION. INCLUDE WO57-52 "1.0 MILES AHEAD" SIGN ON THE WEST AND SOUTH LEGS.

③ STAGE 3 CONSISTS OF THE CONSTRUCTION OPERATIONS BETWEEN STATIONS 108+64 AND 150+40 AND BETWEEN STATIONS 236+35 AND 240+01. CONSTRUCT THE TRAVEL LANES, TURN LANES AND SHOULDERS USING ONE LANE OF TRAFFIC WITH FLAGGERS IN ACCORDANCE WITH SDD "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION". CONSTRUCT THE BEAM GUARD IMPROVEMENTS AND WORK OUTSIDE THE SHOULDERS USING SDD "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY".

TEMPORARY MARKING LEGEND

| | |
|---|---|
| TPDY4 | TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) |
| TPY4 | TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW) |
| TPW4 | TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) |
| TSTW18 | TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE) |

2




TEMPORARY MARKING LEGEND

| | |
|---|---|
| TPDY4 | TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) |
| TPY4 | TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW) |
| TPW4 | TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) |
| TSTW18 | TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE) |

LEGEND

- TC DRUM
- TC DRUM WITH LIGHT
- TC TYPE III BARRICADE
- TC TYPE III BARRICADE WITH SIGN
- DIRECTION OF TRAFFIC
- TC FLEXIBLE TUBULAR POSTS W/ BASES
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- 16-INCH FLAGS
- REMOVE PAVEMENT MARKING
- COVER EXISTING SIGN
- WORK COMPLETED WHILE CLOSED TO THROUGH TRAFFIC
- WORK COMPLETED WHILE OPEN TO SIDE STREET TRAFFIC UTILIZING FLAGGERS

NOTES

① ADVANCED SIGNING ON SIDE ROAD SHALL FOLLOW SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES, DETAIL 3".

| PROJECT NO: 6140-02-71 | HWY: STH 13 | COUNTY: ADAMS | TRAFFIC CONTROL - STAGE 2 | SHEET 26 | E |
|---|---|---|---|---|---|

2

MATCHLINE STA 200+00'NB'

MATCHLINE STA 215+00'NB'

205+00

210+00

TTW4

TTDY4

N

LEGEND

- TC DRUM
- TC DRUM WITH LIGHT
- TC TYPE III BARRICADE
- TC TYPE III BARRICADE WITH SIGN
- DIRECTION OF TRAFFIC
- TC FLEXIBLE TUBULAR POSTS W/ BASES
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- 16-INCH FLAGS
- REMOVE PAVEMENT MARKING
- COVER EXISTING SIGN
- WORK COMPLETED WHILE CLOSED TO THROUGH TRAFFIC
- WORK COMPLETED WHILE OPEN TO SIDE STREET TRAFFIC UTILIZING FLAGGERS

NOTES

① ADVANCED SIGNING ON SIDE ROAD SHALL FOLLOW SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES, DETAIL 3".

TEMPORARY MARKING LEGEND

| | |
|---|---|
| TPDY4 | TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) |
| TPY4 | TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW) |
| TPW4 | TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) |
| TSTW18 | TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE) |

STOP

DIVIDED HIGHWAY

ONE WAY

GOLDEN AVENUE

10+00

①

ROAD CLOSED
R11-2
48"X30"

N

MATCHLINE STA 215+00'NB'

MATCHLINE STA 230+00'NB'

220+00

225+00

BEGIN LEFT TURN LANE

STOP
R1-1
36"X36"

BEGIN RIGHT TURN LANE

LANE CLOSED
R11-2L
48"X30"

WRONG WAY

DO NOT ENTER

SPACE DRUMS AT 100' ALONG CONCRETE MEDIANS AND LEFT TURN OPENINGS

TSTW18

TTW4

TTDY4

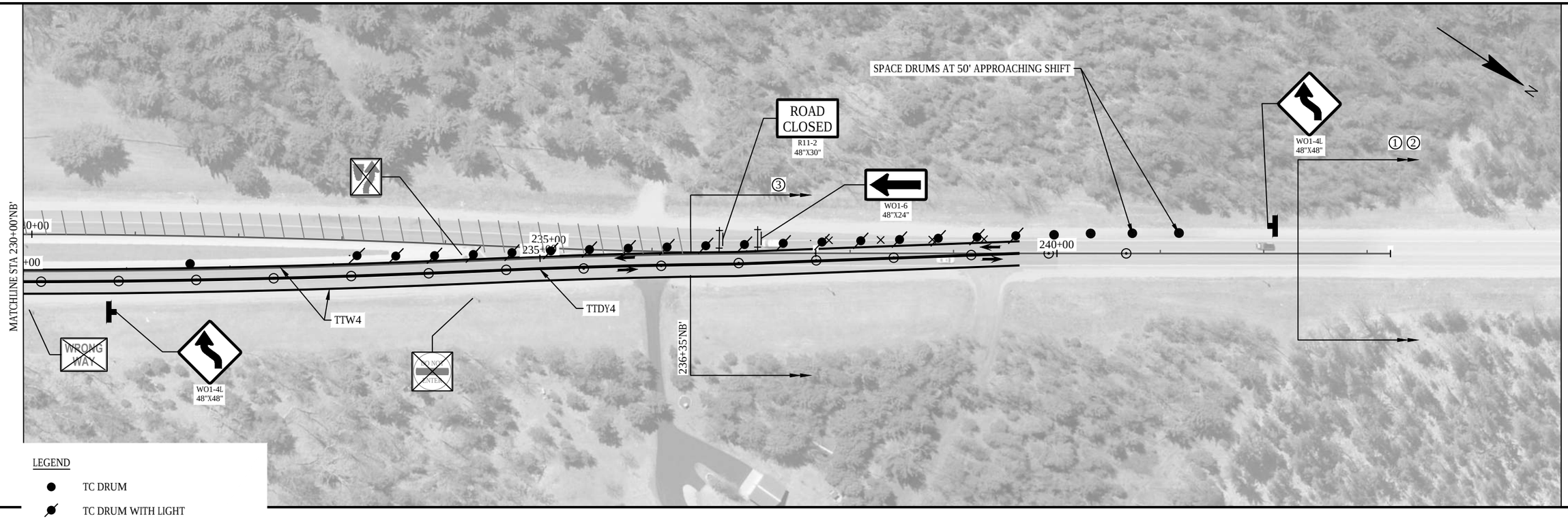
SPACE DRUMS AT 100' ALONG CONCRETE MEDIANS AND LEFT TURN OPENINGS

| PROJECT NO: 6140-02-71 | HWY: STH 13 | COUNTY: ADAMS | TRAFFIC CONTROL - STAGE 2 | SHEET 27 | E |
|---|---|---|---|---|---|

FILE NAME : X:\PROJECTS\ADAMS\6140-02-01_STH 13_CTY LINE-GOLDEN AVE\DESIGN\C3D\SHEETSPLAN\TRAFFIC CONTROL - STAGE 2.DWG
LAYOUT NAME - STH 13 - (3)

PLOT DATE : 8/31/2020 4:43 PM PLOT BY : STEVE LIPPERT PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44




LEGEND

- TC DRUM
- TC DRUM WITH LIGHT
- TC TYPE III BARRICADE
- TC TYPE III BARRICADE WITH SIGN
- DIRECTION OF TRAFFIC
- TC FLEXIBLE TUBULAR POSTS W/ BASES
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- 16-INCH FLAGS
- REMOVE PAVEMENT MARKING
- COVER EXISTING SIGN
- WORK COMPLETED WHILE CLOSED TO THROUGH TRAFFIC
- WORK COMPLETED WHILE OPEN TO SIDE STREET TRAFFIC UTILIZING FLAGGERS

NOTES

① ADVANCE SIGNING AT PROJECT ENDING SHALL FOLLOW SDD "TRAFFIC CONTROL , ADVANCED WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC". INCLUDE G20-1 "ROAD WORK NEXT 2.2 MILES" SIGN. PLACE W12-52 "MAX 11' WIDTH" SIGN 500 FEET BEFORE THE W20-1A SIGN.

② PLACE W12-52 "MAX 11' WIDTH" SIGN ON STH 13 JUST NORTH OF CTH Q. INCLUDE WO57-52 "0.8 MILES AHEAD" SIGN. ALSO PLACE W12-52 SIGN WITH M3-3 "SOUTH" SIGN AND M1-6 "13" SIGN ON CTH Q.

TEMPORARY MARKING LEGEND

| | |
|---|---|
| TPDY4 | TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW) |
| TPY4 | TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW) |
| TPW4 | TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) |
| TSTW18 | TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE) |

| PROJECT NO: 6140-02-71 | HWY: STH 13 | COUNTY: ADAMS | TRAFFIC CONTROL - STAGE 2 | SHEET 28 | E |
|---|---|---|---|---|---|

FILE NAME : X:\PROJECTS\ADAMS\6140-02-01_STH 13_CTY LINE-GOLDEN AVE\DESIGN\C3D\SHEETSPLAN\TRAFFIC CONTROL - STAGE 2.DWG
LAYOUT NAME - STH 13 - (4)
PLOT DATE : 8/31/2020 4:43 PM PLOT BY : STEVE LIPPERT PLOT NAME : PLOT SCALE : 1 IN:100 FT

## Estimate Of Quantities

6140-02-71

| Line | Item | Item Description | Unit | Total | Qty |
|---|---|---|---|---|---|
| 0002 | 204.0115 | Removing Asphaltic Surface Butt Joints | SY | 230.000 | 230.000 |
| 0004 | 204.0120 | Removing Asphaltic Surface Milling | SY | 77,200.000 | 77,200.000 |
| 0006 | 204.0150 | Removing Curb & Gutter | LF | 65.000 | 65.000 |
| 0008 | 204.0155 | Removing Concrete Sidewalk | SY | 13.000 | 13.000 |
| 0010 | 204.0165 | Removing Guardrail | LF | 50.000 | 50.000 |
| 0012 | 213.0100 | Finishing Roadway (project) 01. 6140-02-71 | EACH | 1.000 | 1.000 |
| 0014 | 305.0110 | Base Aggregate Dense 3/4-Inch | TON | 450.000 | 450.000 |
| 0016 | 455.0605 | Tack Coat | GAL | 600.000 | 600.000 |
| 0018 | 460.2000 | Incentive Density HMA Pavement | DOL | 5,090.000 | 5,090.000 |
| 0020 | 460.6224 | HMA Pavement 4 MT 58-28 S | TON | 8,670.000 | 8,670.000 |
| 0022 | 465.0110 | Asphaltic Surface Patching | TON | 100.000 | 100.000 |
| 0024 | 465.0315 | Asphaltic Flumes | SY | 18.000 | 18.000 |
| 0026 | 601.0553 | Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type D | LF | 190.000 | 190.000 |
| 0028 | 602.0405 | Concrete Sidewalk 4-Inch | SF | 100.000 | 100.000 |
| 0030 | 611.8115 | Adjusting Inlet Covers | EACH | 1.000 | 1.000 |
| 0032 | 614.0010 | Barrier System Grading Shaping Finishing | EACH | 1.000 | 1.000 |
| 0034 | 614.0305 | Steel Plate Beam Guard Class A | LF | 38.000 | 38.000 |
| 0036 | 614.0370 | Steel Plate Beam Guard Energy Absorbing Terminal | EACH | 1.000 | 1.000 |
| 0038 | 614.0400 | Adjusting Steel Plate Beam Guard | LF | 350.000 | 350.000 |
| 0040 | 614.0950 | Replacing Guardrail Posts and Blocks | EACH | 1.000 | 1.000 |
| 0042 | 614.0951 | Replacing Guardrail Rail and Hardware | LF | 38.000 | 38.000 |
| 0044 | 618.0100 | Maintenance And Repair of Haul Roads (project) 01. 6140-02-71 | EACH | 1.000 | 1.000 |
| 0046 | 619.1000 | Mobilization | EACH | 1.000 | 1.000 |
| 0048 | 624.0100 | Water | MGAL | 6.800 | 6.800 |
| 0050 | 625.0100 | Topsoil | SY | 8.000 | 8.000 |
| 0052 | 628.1504 | Silt Fence | LF | 175.000 | 175.000 |
| 0054 | 628.1520 | Silt Fence Maintenance | LF | 175.000 | 175.000 |
| 0056 | 628.1905 | Mobilizations Erosion Control | EACH | 2.000 | 2.000 |
| 0058 | 628.1910 | Mobilizations Emergency Erosion Control | EACH | 1.000 | 1.000 |
| 0060 | 628.2008 | Erosion Mat Urban Class I Type B | SY | 8.000 | 8.000 |
| 0062 | 628.2027 | Erosion Mat Class II Type C | SY | 1,960.000 | 1,960.000 |
| 0064 | 629.0210 | Fertilizer Type B | CWT | 0.030 | 0.030 |
| 0066 | 630.0130 | Seeding Mixture No. 30 | LB | 0.300 | 0.300 |
| 0068 | 630.0500 | Seed Water | MGAL | 0.300 | 0.300 |
| 0070 | 638.2102 | Moving Signs Type II | EACH | 1.000 | 1.000 |
| 0072 | 638.4000 | Moving Small Sign Supports | EACH | 2.000 | 2.000 |
| 0074 | 642.5001 | Field Office Type B | EACH | 1.000 | 1.000 |
| 0076 | 643.0300 | Traffic Control Drums | DAY | 6,323.000 | 6,323.000 |
| 0078 | 643.0420 | Traffic Control Barricades Type III | DAY | 1,115.000 | 1,115.000 |

6140-02-71

| Line | Item | Item Description | Unit | Total | Qty |
|---|---|---|---|---|---|
| 0080 | 643.0500 | Traffic Control Flexible Tubular Marker Posts | EACH | 190.000 | 190.000 |
| 0082 | 643.0600 | Traffic Control Flexible Tubular Marker Bases | EACH | 190.000 | 190.000 |
| 0084 | 643.0705 | Traffic Control Warning Lights Type A | DAY | 1,518.000 | 1,518.000 |
| 0086 | 643.0715 | Traffic Control Warning Lights Type C | DAY | 545.000 | 545.000 |
| 0088 | 643.0900 | Traffic Control Signs | DAY | 1,870.000 | 1,870.000 |
| 0090 | 643.0920 | Traffic Control Covering Signs Type II | EACH | 58.000 | 58.000 |
| 0092 | 643.5000 | Traffic Control | EACH | 1.000 | 1.000 |
| 0094 | 646.1020 | Marking Line Epoxy 4-Inch | LF | 20,237.000 | 20,237.000 |
| 0096 | 646.1040 | Marking Line Grooved Wet Ref Epoxy 4-Inch | LF | 25,393.000 | 25,393.000 |
| 0098 | 646.3020 | Marking Line Epoxy 8-Inch | LF | 4,971.000 | 4,971.000 |
| 0100 | 646.4520 | Marking Line Same Day Epoxy 4-Inch | LF | 3,080.000 | 3,080.000 |
| 0102 | 646.4620 | Marking Line Same Day Epoxy 8-Inch | LF | 75.000 | 75.000 |
| 0104 | 646.6120 | Marking Stop Line Epoxy 18-Inch | LF | 143.000 | 143.000 |
| 0106 | 646.7020 | Marking Diagonal Epoxy 6-Inch | LF | 243.000 | 243.000 |
| 0108 | 646.7120 | Marking Diagonal Epoxy 12-Inch | LF | 453.000 | 453.000 |
| 0110 | 646.9000 | Marking Removal Line 4-Inch | LF | 17,551.000 | 17,551.000 |
| 0112 | 646.9100 | Marking Removal Line 8-Inch | LF | 1,005.000 | 1,005.000 |
| 0114 | 649.0105 | Temporary Marking Line Paint 4-Inch | LF | 69,430.000 | 69,430.000 |
| 0116 | 649.0850 | Temporary Marking Stop Line Removable Tape 18-Inch | LF | 315.000 | 315.000 |
| 0118 | 650.5500 | Construction Staking Curb Gutter and Curb & Gutter | LF | 190.000 | 190.000 |
| 0120 | 650.8000 | Construction Staking Resurfacing Reference | LF | 13,137.000 | 13,137.000 |
| 0122 | 650.9910 | Construction Staking Supplemental Control (project) 01. 6140-02-71 | LS | 1.000 | 1.000 |
| 0124 | 690.0150 | Sawing Asphalt | LF | 220.000 | 220.000 |
| 0126 | 690.0250 | Sawing Concrete | LF | 144.000 | 144.000 |
| 0128 | 740.0440 | Incentive IRI Ride | DOL | 10,000.000 | 10,000.000 |
| 0130 | ASP.1T0A | On-the-Job Training Apprentice at $5.00/HR | HRS | 1,200.000 | 1,200.000 |
| 0132 | ASP.1T0G | On-the-Job Training Graduate at $5.00/HR | HRS | 600.000 | 600.000 |
| 0134 | SPV.0090 | Special 01. Salvage and Adjust Guardrail | LF | 50.000 | 50.000 |

3

## REMOVING ASPHALTIC SURFACE

| STATION | TO | STATION | 204.0115 BUTT JOINTS SY | 204.0120 MILLING SY |
|---|---|---|---|---|
| STAGE 1 | | | | |
| 150+40 | - | 236+35 | 110 | 26200 |
| STAGE 1 SUBTOTAL | | | 110 | 26200 |
| STAGE 2 | | | | |
| 150+40 | - | 236+35 | 120 | 28600 |
| STAGE 2 SUBTOTAL | | | 120 | 28600 |
| STAGE 3 | | | | |
| 108+64 | - | 150+40 | - | 20700 |
| 236+35 | - | 240+01 | - | 1700 |
| STAGE 3 SUBTOTAL | | | - | 22400 |
| ITEM TOTAL | | | 230 | 77,200 |

## PROJECT COMPLETION AND MAINTENANCE ITEMS

| STATION | TO | STATION | 213.0100.01 FINISHING ROADWAY (6140-02-71) EACH | 618.0100.01 MAINTENANCE AND REPAIR OF HAUL ROADS (6140-02-71) EACH |
|---|---|---|---|---|
| 108+64 | - | 240+01 | 1 | 1 |
| ITEM TOTAL | | | 1 | 1 |

## BASE AGGREGATE ITEMS

| STATION | TO | STATION | 305.0110 BASE AGGREGATE DENSE 3/4-INCH TON | 624.0100 WATER MGAL |
|---|---|---|---|---|
| 108+64 | - | 159+50 | 170 | 2.6 |
| 159+50 | - | 211+50 | 180 | 2.7 |
| 211+50 | - | 240+01 | 100 | 1.5 |
| ITEM TOTAL | | | 450 | 6.8 |

## CONCRETE REMOVAL ITEMS

| STATION | TO | STATION | LOCATION | 204.0150 REMOVING CURB & GUTTER LF | 204.0155 REMOVING CONCRETE SIDEWALK SY |
|---|---|---|---|---|---|
| 167+17'SB' | - | 167+27'SB' | RT | 10 | - |
| 169+10'NB' | - | 169+20'NB' | LT | - | 5 |
| 173+01'NB' | - | 173+16'NB' | LT | 15 | - |
| 205+71'SB' | - | 205+81'SB' | RT | - | 5 |
| 210+98'SB' | - | 211+07'SB' | RT | 10 | - |
| 213+02'NB' | - | 213+12'NB' | LT | 10 | - |
| 229+72'SB' | - | 229+86'SB' | RT | 20 | - |
| 230+73'NB' | - | 230+78'NB' | LT | - | 3 |
| ITEM TOTAL | | | | 65 | 13 |

## ASPHALTIC ITEMS

| STATION | TO | STATION | 455.0605 TACK COAT GAL | 460.6224 HMA PAVEMENT 4 MT 58-28 S TON | 465.0110 ASPHALTIC SURFACE PATCHING TON |
|---|---|---|---|---|---|
| STAGE 1 | | | | | |
| 150+40 | - | 236+35 | 204 | 2940 | - |
| STAGE 1 SUBTOTAL | | | 204 | 2940 | - |
| STAGE 2 | | | | | |
| 150+40 | - | 236+35 | 222 | 3210 | - |
| STAGE 2 SUBTOTAL | | | 222 | 3210 | - |
| STAGE 3 | | | | | |
| 108+64 | - | 150+40 | 161 | 2320 | - |
| 236+35 | - | 240+01 | 13 | 200 | - |
| UNDISTRIBUTED | | | - | - | 100 |
| STAGE 3 SUBTOTAL | | | 174 | 2520 | 100 |
| ITEM TOTAL | | | 600 | 8,670 | 100 |

## BEAM GUARD SYSTEM ITEMS

| STATION | TO | STATION | LOCATION | 204.0165 REMOVING GUARDRAIL LF | 614.0305 STEEL PLATE BEAM GUARD CLASS A LF | 614.0370 STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL EACH | 614.0400 ADJUSTING STEEL PLATE BEAM GUARD (0"-3") LF | SPV.0090.01 SALVAGE AND ADJUST GUARDRAIL LF | 614.0950 REPLACING GUARDRAIL POSTS AND BLOCKS EACH | 614.0951 REPLACING GUARDRAIL RAIL AND HARDWARE LF |
|---|---|---|---|---|---|---|---|---|---|---|
| 108+64'NB' | - | 109+94'NB' | LT | - | - | - | 75 | - | - | 37.5 |
| 108+64'NB' | - | 109+43'N'B | RT | 50 | 37.5 | 1 | - | 50 | - | - |
| 163+23'NB' | - | 167+67'NB' | RT | - | - | - | 125 | - | 1 | - |
| 165+83'SB' | - | 169+10'SB' | LT | - | - | - | 150 | - | - | - |
| ITEM TOTAL | | | | 50 | 38 | 1 | 350 | 50 | 1 | 38 |

NOTE: ALL STATIONS ARE NORTHBOUND (NB) UNLESS OTHERWISE NOTED

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010 UNLESS OTHERWISE NOTED

3

## ASPHALTIC FLUMES

| STATION | LOCATION | 465.0315 SY |
|---|---|---|
| 108+74 | RT | 12 |
| 109+91 | RT | 6 |
| ITEM TOTAL | | 18 |

## CONCRETE ITEMS

| STATION | TO | STATION | LOCATION | 601.0553 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D LF | 602.0405 CONCRETE SIDEWALK 4-INCH SF |
|---|---|---|---|---|---|
| 108+64'NB' | - | 109+97'NB' | RT | 125 | - |
| 167+17'SB' | - | 167+27'SB' | RT | 10 | - |
| 169+10'NB' | - | 169+20'NB' | LT | - | 40 |
| 173+01'NB' | - | 173+16'NB' | LT | 15 | - |
| 205+71'SB' | - | 205+81'SB' | RT | - | 40 |
| 210+98'SB' | - | 211+07'SB' | RT | 10 | - |
| 213+02'NB' | - | 213+12'NB' | LT | 10 | - |
| 229+72'SB' | - | 229+86'SB' | RT | 20 | - |
| 230+73'NB' | - | 230+78'NB' | LT | - | 20 |
| ITEM TOTAL | | | | 190 | 100 |

## ADJUSTING INLET COVERS

| STATION | 611.8115 EACH |
|---|---|
| 213+05 | 1 |
| ITEM TOTAL | 1 |

## BARRIER SYSTEM GRADING SHAPING FINISHING

| STATION | TO | STATION | LOCATION | 614.0010 EACH | TOPSOIL* SY | FERTILIZER TYPE B* CWT | SEEDING MIXTURE NO. 30* LB | SEED WATER* MGAL | FILL* CY |
|---|---|---|---|---|---|---|---|---|---|
| 108+64'NB' | - | 109+94'NB' | RT | 1 | 1960 | 0.6 | 26 | 22.4 | 23 |
| ITEM SUBTOTAL | | | | 1 | 1960 | 0.6 | 26 | 22.4 | 23 |
| UNDISTRIBUTED | | | | - | 100 | 0.1 | 1.0 | 0.2 | 2 |
| ITEM TOTAL | | | | 1 | | | | | |

* INCIDENTAL TO BARRIER SYSTEM GRADING SHAPING FINISHING

## MOBILIZATION

| STATION | TO | STATION | 619.1000 EACH |
|---|---|---|---|
| 108+64 | - | 240+01 | 1 |
| ITEM TOTAL | | | 1 |

3

## TURF ESTABLISHMENT ITEMS

| STATION | TO | STATION | LOCATION | 625.0100 TOPSOIL SY | 629.0210 FERTILIZER TYPE B CWT | 630.0130 SEEDING MIXTURE NO. 30 LB | 630.0500 SEED WATER MGAL |
|---|---|---|---|---|---|---|---|
| 169+10'NB' | - | 169+20'NB' | LT | 3 | 0.01 | 0.1 | 0.1 |
| 205+71'SB' | - | 205+81'SB' | RT | 3 | 0.01 | 0.1 | 0.1 |
| 230+73'NB' | - | 230+78'NB' | LT | 2 | 0.01 | 0.1 | 0.1 |
| ITEM TOTAL | | | | 8 | 0.03 | 0.3 | 0.3 |

## EROSION CONTROL ITEMS

| STATION | TO | STATION | LOCATION | 628.1504 SILT FENCE LF | 628.1520 SILT FENCE MAINTENANCE LF | 628.1905 MOBILIZATIONS EROSION CONTROL EACH | 628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH | 628.2008 EROSION MAT URBAN CLASS I TYPE B SY | 628.2027 EROSION MAT CLASS II TYPE C SY |
|---|---|---|---|---|---|---|---|---|---|
| 108+64'NB' | - | 109+43'NB' | RT | 175 | 175 | 2 | 1 | - | 1,960 |
| 169+10'NB' | - | 169+20'NB' | LT | - | - | - | - | 3 | - |
| 205+71'SB' | - | 205+81'SB' | RT | - | - | - | - | 3 | - |
| 230+73'NB' | - | 230+78'NB' | LT | - | - | - | - | 2 | - |
| ITEM TOTAL | | | | 175 | 175 | 2 | 1 | 8 | 1,960 |

## MOVING SIGN AND SUPPORTS ITEMS

| STATION | LOCATION | 638.2102 MOVING SIGNS TYPE II EACH | 638.4000 MOVING SMALL SIGN SUPPORTS EACH |
|---|---|---|---|
| 108+50 | RT | 1 | 2 |
| ITEM TOTAL | | 1 | 2 |

## FIELD OFFICE TYPE B

| STATION | TO | STATION | 642.5001 EACH |
|---|---|---|---|
| 108+64 | - | 240+01 | 1 |
| ITEM TOTAL | | | 1 |

NOTE: ALL STATIONS ARE NORTHBOUND (NB) UNLESS OTHERWISE NOTED

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010 UNLESS OTHERWISE NOTED

3

## TRAFFIC CONTROL

| STATION TO STATION | 643.0300 DRUMS DAY | 643.0420 BARRICADES TYPE III DAY | 643.0500 FLEXIBLE TUBULAR MARKER POSTS EACH | 643.0600 FLEXIBLE TUBULAR MARKER BASES EACH | 643.0705 WARNING LIGHTS TYPE A DAY | 643.0715 WARNING LIGHTS TYPE C DAY | 643.0900 SIGNS DAY | NUMBER OF CYCLES | NUMBER OF SIGNS | 643.0920 COVERING SIGNS TYPE II EACH | 643.5000 EACH | 16-INCH FLAGS* EACH PAIR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STAGE 1 | | | | | | | | | | | | |
| 108+64 - 240+01 | 3,975 | 555 | 190 | 190 | 720 | 195 | 840 | 1 | 33 | 33 | 1 | 2 |
| STAGE 1 SUBTOTAL | 3,975 | 555 | 190 | 190 | 720 | 195 | 840 | 1 | 33 | 33 | 1 | 2 |
| STAGE 2 | | | | | | | | | | | | |
| 108+64 - 240+01 | 2,240 | 560 | - | - | 798 | 350 | 742 | 1 | 25 | 25 | - | 3 |
| STAGE 2 SUBTOTAL | 2,240 | 560 | - | - | 798 | 350 | 742 | 1 | 25 | 25 | - | 3 |
| STAGE 3 | | | | | | | | | | | | |
| 108+64 - 240+01 | 108 | - | - | - | - | - | 288 | - | - | - | - | - |
| STAGE 3 SUBTOTAL | 108 | - | - | - | - | - | 288 | - | - | - | - | - |
| ITEM TOTAL | 6,323 | 1,115 | 190 | 190 | 1,518 | 545 | 1,870 | | | 58 | 1 | |

* INCIDENTAL TO TRAFFIC CONTROL SIGN

## PAVEMENT MARKING ITEMS

| STATION TO STATION | 646.1020 EPOXY 4-INCH (YELLOW) LF | 646.1040 GROOVED WET REF EPOXY 4-INCH (WHITE) LF | 646.3020 MARKING LINE EPOXY 8-INCH LF | 646.4520 SAME DAY EPOXY 4-INCH (YELLOW) LF | 646.4620 SAME DAY EPOXY 8-INCH (WHITE) LF | 646.6120 STOP LINE EPOXY 18-INCH LF | 646.702 MARKING DIAGONAL EPOXY 6-INCH LF | 646.7120 DIAGONAL EPOXY 12-INCH LF |
|---|---|---|---|---|---|---|---|---|
| 108+64 - 159+50 | 4,864 | 10,161 | 847 | 2,540 | 75 | - | 74 | 191 |
| 159+50 - 211+50 | 9,912 | 9,837 | 2,915 | - | - | 84 | 113 | 122 |
| 211+50 - 240+01 | 5,461 | 5,395 | 1,209 | 540 | - | 59 | 56 | 140 |
| ITEM TOTAL | 20,237 | 25,393 | 4,971 | 3,080 | 75 | 143 | 243 | 453 |

## TEMPORARY MARKING

| STATION TO STATION | 649.0105 LINE PAINT 4-INCH LF | 649.0850 STOP LINE REMOVABLE TAPE 18-INCH LF |
|---|---|---|
| STAGE 1 | | |
| 108+64 - 240+01 | 34,135 | 120 |
| STAGE 1 SUBTOTAL | 34,135 | 120 |
| STAGE 2 | | |
| 108+64 - 240+01 | 35,295 | 195 |
| STAGE 2 SUBTOTAL | 35,295 | 195 |
| ITEM TOTAL | 69,430 | 315 |

## MARKING REMOVAL LINE

| STATION TO STATION | 646.9000 4-INCH LF | 646.9100 8-INCH LF |
|---|---|---|
| STAGE 1 | | |
| 108+64 - 240+01 | 16,500 | 1,005 |
| STAGE 1 SUBTOTAL | 16,500 | 1,005 |
| STAGE 2 | | |
| 108+64 - 240+01 | 1,051 | 0 |
| STAGE 2 SUBTOTAL | 1,051 | 0 |
| ITEM TOTAL | 17,551 | 1,005 |

## CONSTRUCTION STAKING

| STATION TO STATION | 650.5500 CURB GUTTER AND CURB & GUTTER LF | 650.8000 RESURFACING REFERENCE LF | 650.9910.01 SUPPLEMENTAL CONTROL (6140-02-71) LS |
|---|---|---|---|
| 108+64 - 240+01 | 190 | 13,137 | 1 |
| ITEM TOTAL | 190 | 13,137 | 1 |

NOTE: ALL STATIONS ARE NORTHBOUND (NB) UNLESS OTHERWISE NOTED

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010 UNLESS OTHERWISE NOTED

SAWING ASPHALT

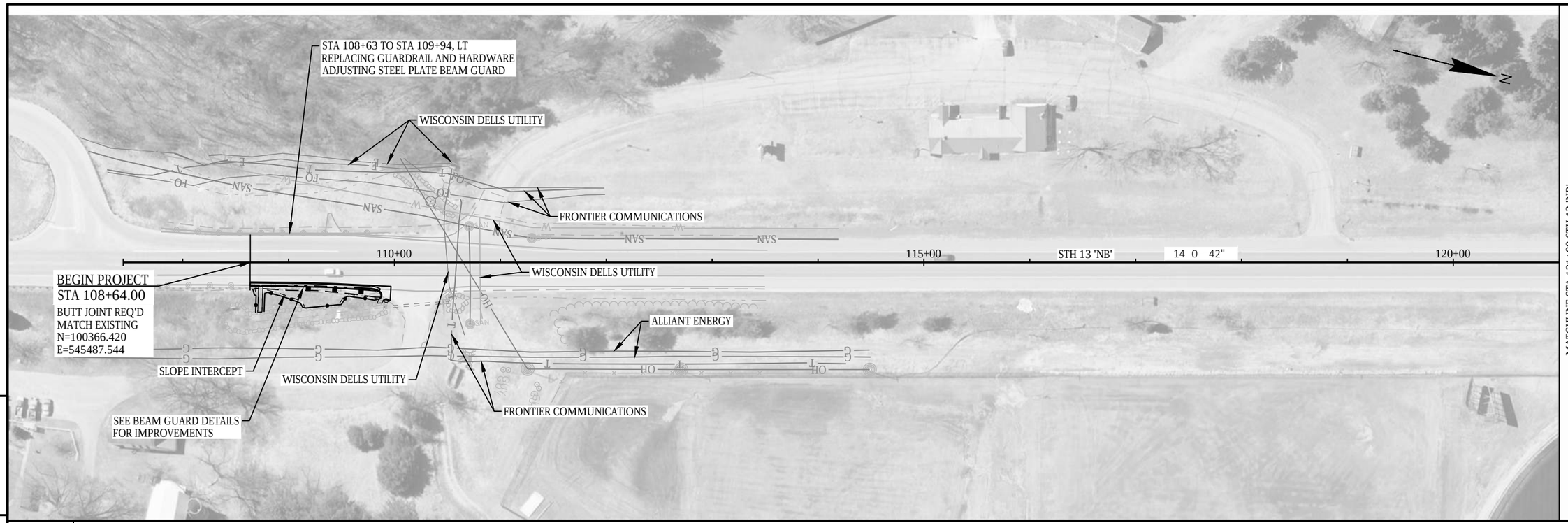
| STATION | TO | STATION | LOCATION | 690.0150 LF | REMARKS |
|---|---|---|---|---|---|
| 108+64'NB' | - | 109+96'NB' | RT | 155 | FOR CURB AND GUTTER CONSTRUCTION |
| 167+22'SB' | - | - | RT | 10 | FOR CURB AND GUTTER REPLACEMENT |
| 173+10'NB' | - | - | LT | 15 | FOR CURB AND GUTTER REPLACEMENT |
| 211+03'SB' | - | - | RT | 10 | FOR CURB AND GUTTER REPLACEMENT |
| 213+08'NB' | - | - | LT | 10 | FOR CURB AND GUTTER REPLACEMENT |
| 229+83'SB' | - | - | RT | 20 | FOR CURB AND GUTTER REPLACEMENT |
| ITEM TOTAL | | | | 220 | |

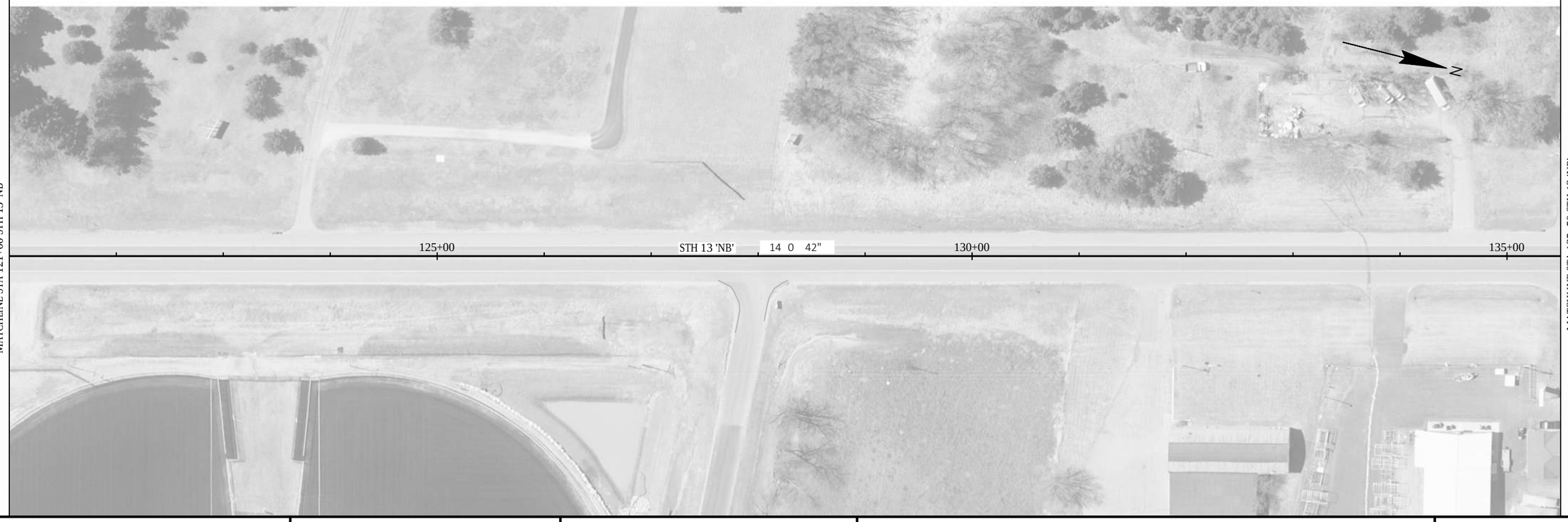
SAWING CONCRETE

| STATION | LOCATION | 690.0250 LF | REMARKS |
|---|---|---|---|
| 167+22'SB' | RT | 16 | MEDIAN C&G |
| 169+16'NB' | LT | 18 | MEDIAN SIDEWALK |
| 170+10'NB' | LT | 21 | MEDIAN C&G |
| 205+77'SB' | RT | 18 | MEDIAN SIDEWALK |
| 211+03'SB' | RT | 16 | MEDIAN C&G |
| 213+08'NB' | LT | 16 | MEDIAN C&G |
| 229+83'SB' | RT | 26 | MEDIAN C&G |
| 230+76'NB' | LT | 13 | MEDIAN SIDEWALK |
| ITEM TOTAL | | 144 | |

NOTE: ALL STATIONS ARE NORTHBOUND (NB) UNLESS OTHERWISE NOTED

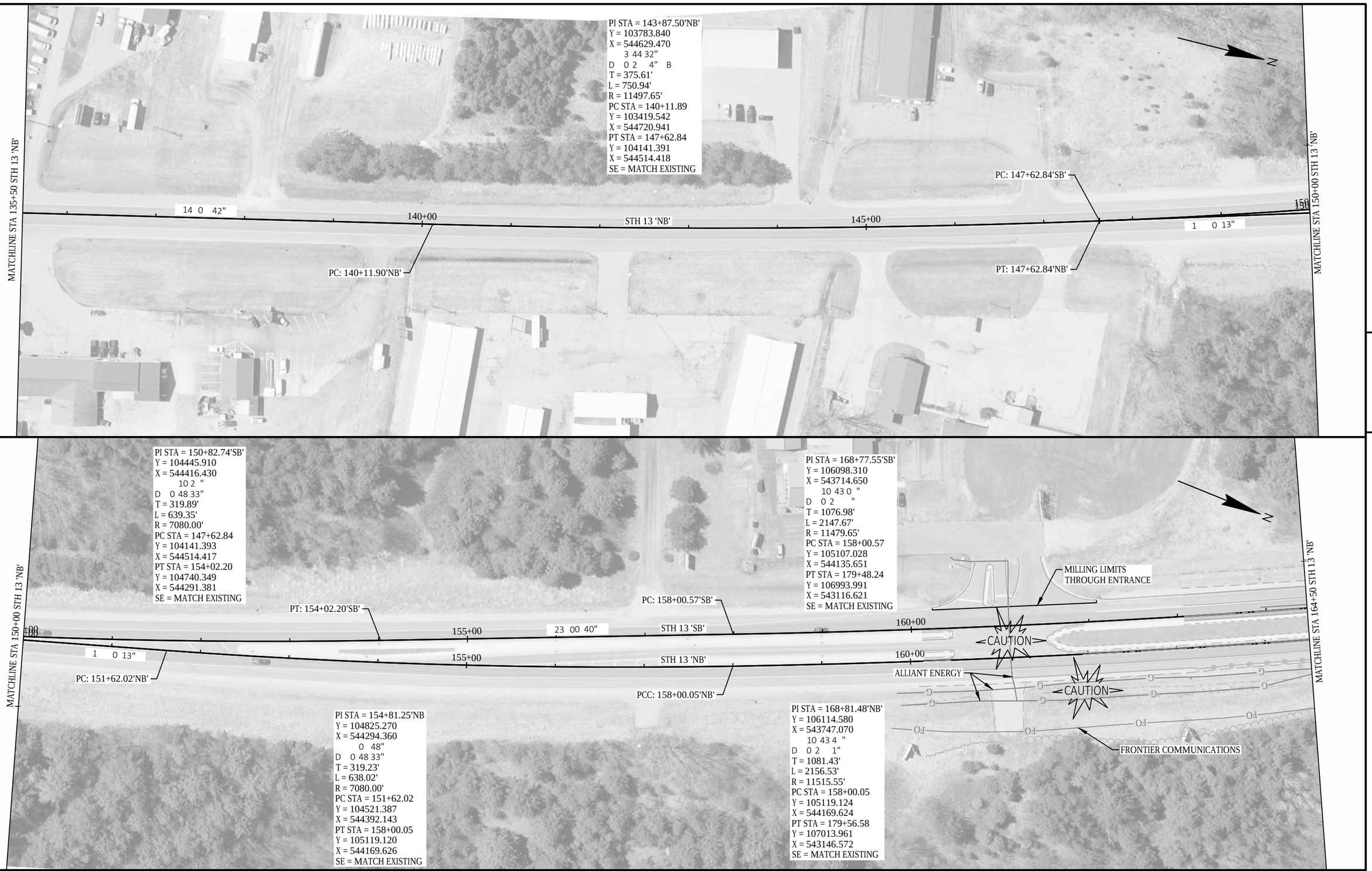
NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE FOR ENGINEER ESTIMATE CATEGORY 0010 UNLESS OTHERWISE NOTED




| PROJECT NO: 6140-02-71 | HWY: STH 13 | COUNTY: ADAMS | PLAN | SHEET 35 | E |
|---|---|---|---|---|---|

FILE NAME : X:\PROJECTS\ADAMS\6140-02-01_STH 13_CTY LINE-GOLDEN AVE\DESIGN\C3D\SHEETSPLAN\PP_STH 13.DWG
LAYOUT NAME - STH 13 - (1)
PLOT DATE : 9/9/2020 3:59 PM PLOT BY : STEVE LIPPERT PLOT NAME : PLOT SCALE : 1 IN:100 FT

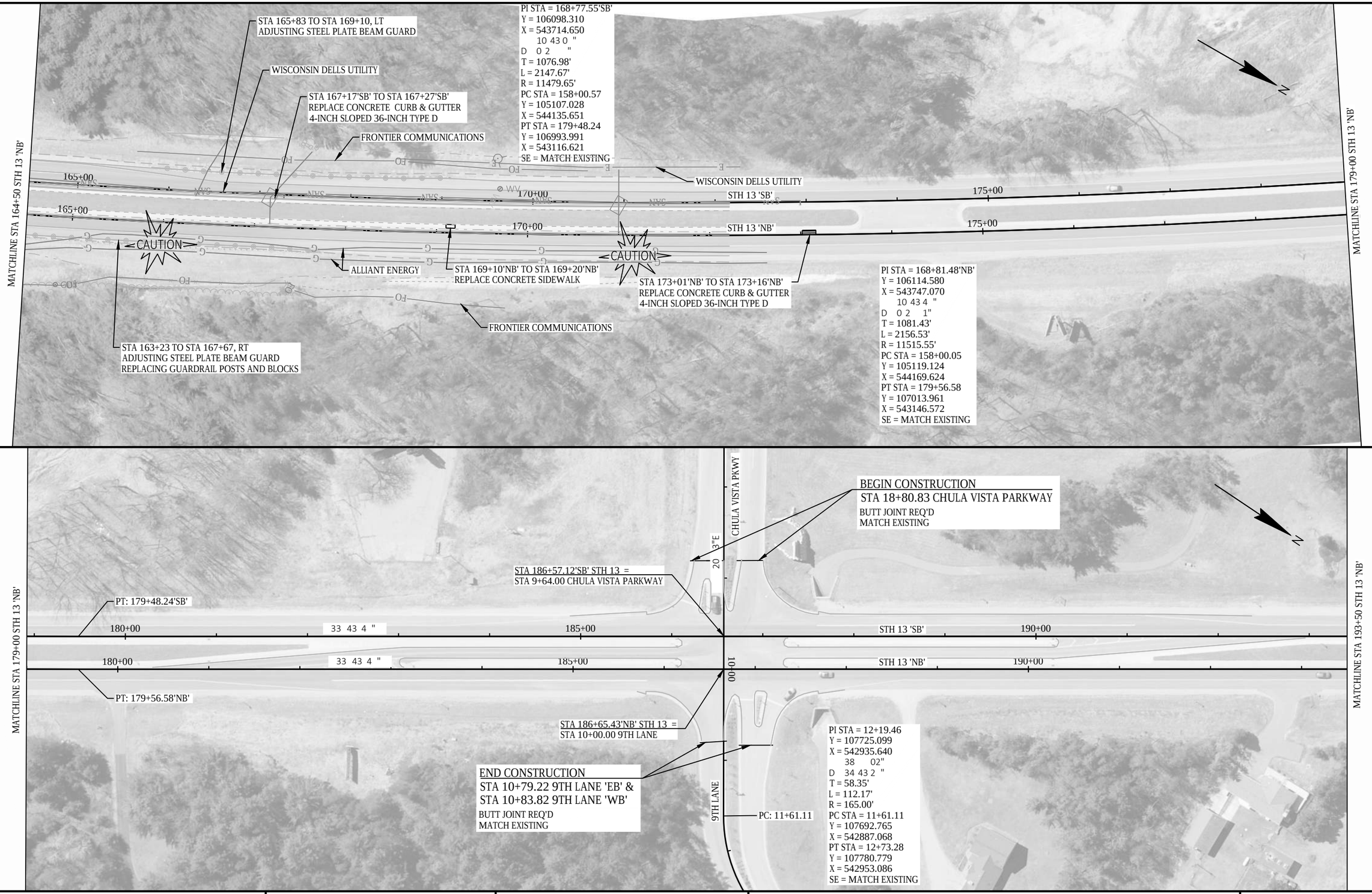



| PROJECT NO: 6140-02-71 | HWY: STH 13 | COUNTY: ADAMS | PLAN | SHEET 36 | E |
|---|---|---|---|---|---|

FILE NAME : X:\PROJECTS\ADAMS\6140-02-01_STH 13_CTY LINE-GOLDEN AVE\DESIGN\C3D\SHEETSPLAN\PP_STH 13.DWG
LAYOUT NAME - STH 13 - (2)

PLOT DATE : 8/27/2020 9:03 AM PLOT BY : ERIC BENSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44




| PROJECT NO: 6140-02-71 | HWY: STH 13 | COUNTY: ADAMS | PLAN | SHEET 37 | E |
|---|---|---|---|---|---|

FILE NAME : X:\PROJECTS\ADAMS\6140-02-01_STH 13_CTY LINE-GOLDEN AVE\DESIGN\C3D\SHEETSPLAN\PP_STH 13.DWG
LAYOUT NAME - STH 13 - (3)

PLOT DATE : 8/27/2020 9:03 AM PLOT BY : ERIC BENSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

MATCHLINE STA 193+50 STH 13 'NB'

MATCHLINE STA 208+00 STH 13 'NB'

STA 205+71'SB' TO STA 205+81'SB'
REPLACE CONCRETE SIDEWALK

195+00 33 43 4 " STH 13 'SB' 200+00 205+00

195+00 33 43 4 " STH 13 'NB' 200+00 205+00

N

MATCHLINE STA 208+00 STH 13 'NB'

MATCHLINE STA 222+50 STH 13 'NB'

STA 210+98'SB' TO STA 211+07'SB'
REPLACE CONCRETE CURB & GUTTER
4-INCH SLOPED 36-INCH TYPE D

210+00 33 43 4 " STH 13 'SB' 215+00 220+00

210+00 33 43 4 " STH 13 'NB' 215+00 220+00

STA 213+02'NB' TO STA 213+12'NB'
REPLACE CONCRETE CURB & GUTTER
4-INCH SLOPED 36-INCH TYPE D
ADJUSTING INLET COVERS

N

5

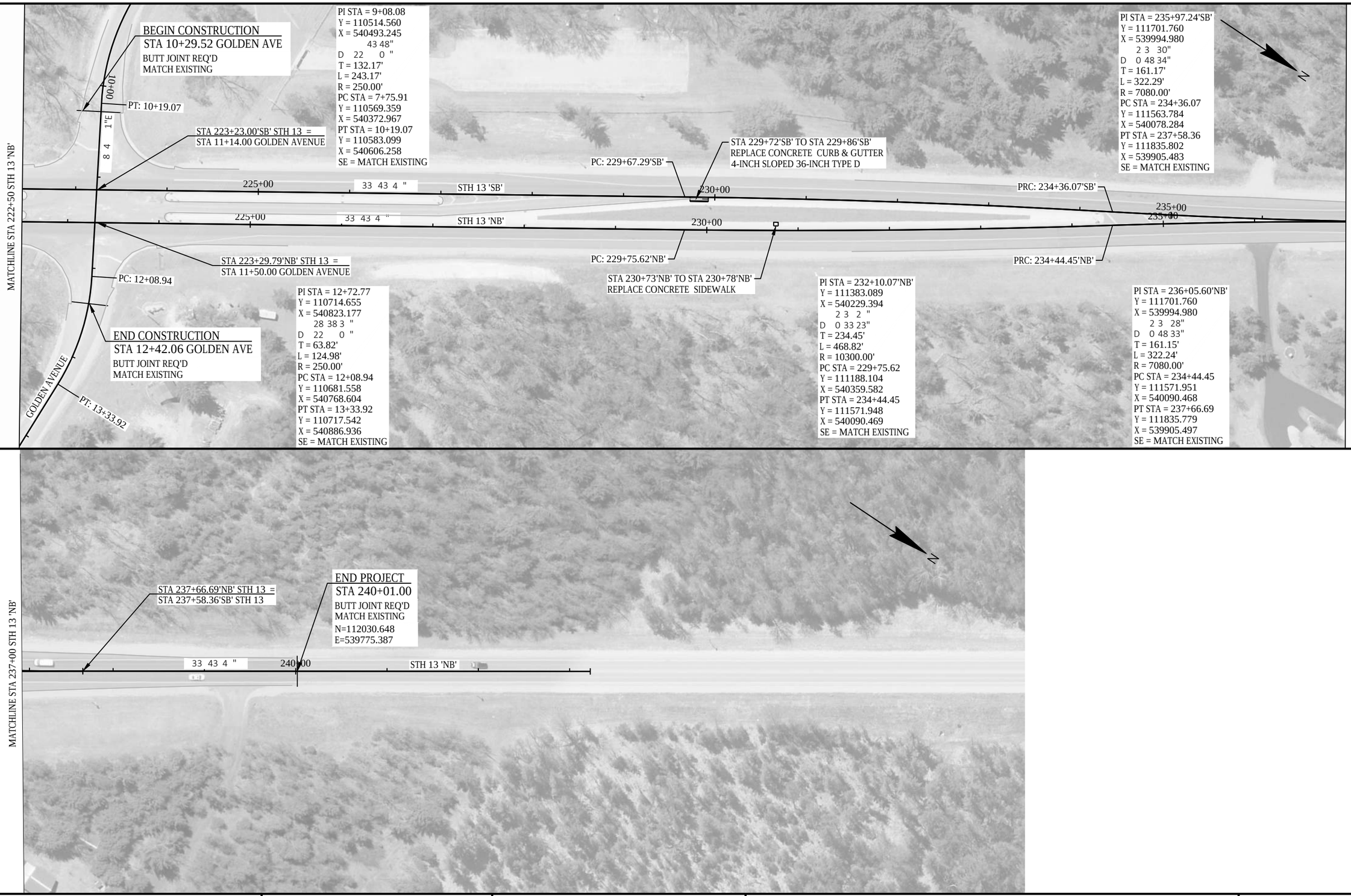
5

| PROJECT NO: 6140-02-71 | HWY: STH 13 | COUNTY: ADAMS | PLAN | SHEET 38 | E |
|---|---|---|---|---|---|

FILE NAME : X:\PROJECTS\ADAMS\6140-02-01_STH 13_CTY LINE-GOLDEN AVE\DESIGN\C3D\SHEETSPLAN\PP_STH 13.DWG
LAYOUT NAME - STH 13 - (4)

PLOT DATE : 8/27/2020 9:03 AM PLOT BY : ERIC BENSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44




| PROJECT NO: 6140-02-71 | HWY: STH 13 | COUNTY: ADAMS | PLAN | SHEET 39 | E |
|---|---|---|---|---|---|

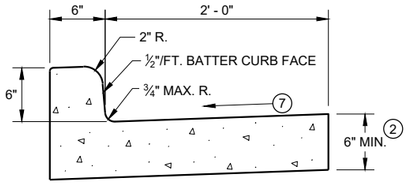
FILE NAME : X:\PROJECTS\ADAMS\6140-02-01_STH 13_CTY LINE-GOLDEN AVE\DESIGN\C3D\SHEETSPLAN\PP_STH 13.DWG
LAYOUT NAME - STH 13 - (5)

PLOT DATE : 8/27/2020 9:03 AM PLOT BY : ERIC BENSON PLOT NAME : PLOT SCALE : 1 IN:100 FT

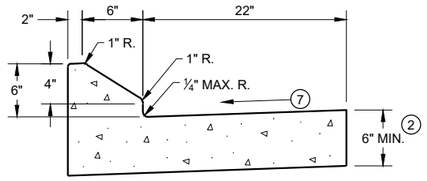
WISDOT/CADDS SHEET 44

# Standard Detail Drawing List

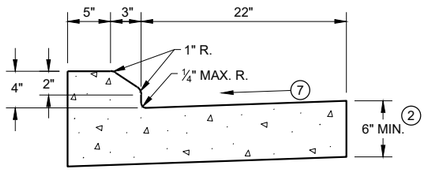
| | |
|---|---|
| 08D01-21A | CONCRETE CURB & GUTTER |
| 08D01-21B | CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS |
| 08D04-05 | CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES |
| 08E09-06 | SILT FENCE |
| 13C19-02 | HMA LONGITUDINAL JOINTS |
| 14B15-11A | STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS |
| 14B15-11B | STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS |
| 14B15-11C | STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS |
| 14B24-09A | STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL |
| 14B24-09B | STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL |
| 14B24-09C | STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL |
| 15C02-08F | ADVANCED WIDTH RESTRICTION SIGNING |
| 15C03-05 | BARRICADES AND SIGNS FOR SIDEROAD CLOSURES |
| 15C04-05 | TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC |
| 15C08-20A | LONGITUDINAL MARKING (MAINLINE) |
| 15C08-20C | PAVEMENT MARKING (TURN LANES) |
| 15C11-07A | CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST |
| 15C11-07B | CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS |
| 15C12-07 | TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION |
| 15C19-06A | MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY |
| 15C19-06C | MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY |
| 15C21-10 | SIGNING AND MARKING FOR TWO LANE TO FOUR LANE DIVIDED TRANSITIONS |
| 15C33-04 | STOP LINE AND CROSSWALK PAVEMENT MARKING |
| 15C35-04A | PAVEMENT MARKING (INTERSECTIONS) |
| 15D27-03 | TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY,  SPEEDS GREATER THAN 40 MPH |
| 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 |
| 15D39-02 | TRAFFIC CONTROL, DROP-OFF SIGNING |
| 15D44-02 | TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES |



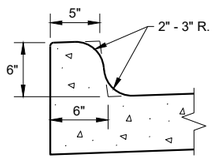

TYPES A[1] & D



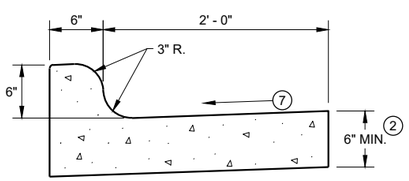

6" SLOPED CURB TYPES G[1] & J




4" SLOPED CURB TYPES G[1] & J

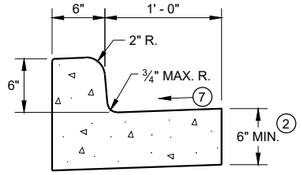



TYPES K[1] & L
(OPTIONAL CURB SHAPE)



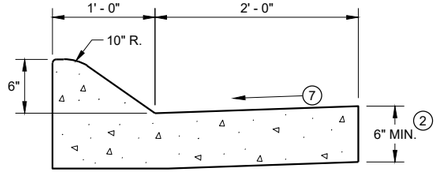

TYPES K[1] & L

## CONCRETE CURB AND GUTTER 30"

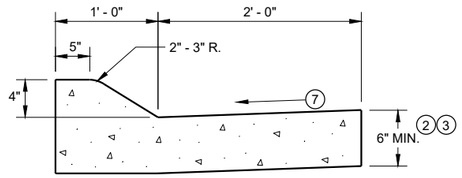



TYPES A[1] & D

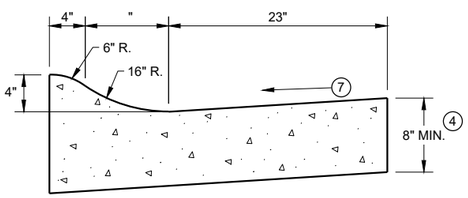
## CONCRETE CURB AND GUTTER 18"




6" SLOPED CURB TYPES A[1] & D



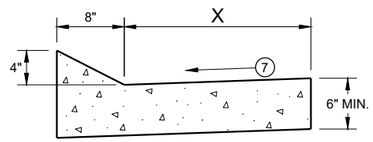

4" SLOPED CURB TYPES A[1] & D




4" SLOPED CURB TYPES R[1] & T[5]

## CONCRETE CURB AND GUTTER 36"

| TBT TBTT | X |
|---|---|
| 30" | 22" |
| 36" | 28" |

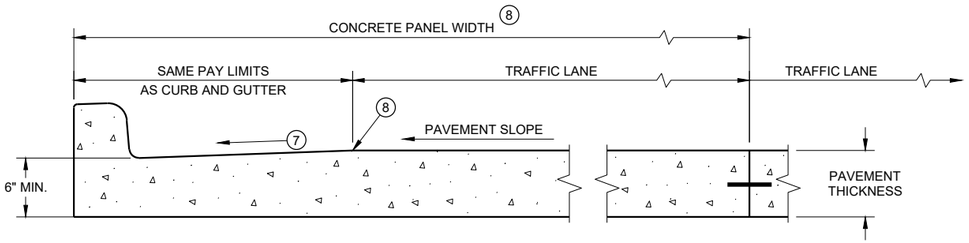



TYPES TBT & TBTT[1]

## CONCRETE CURB AND GUTTER

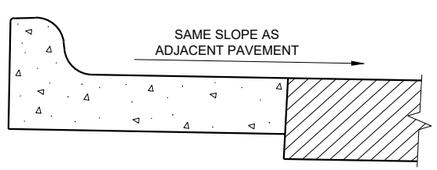
### PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

| PAVEMENT THICKNESS | MAXIMUM PANEL WIDTH |
|---|---|
| LESS THAN 10" | 12' |
| 10" ABOVE | 15' |




PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB AND GUTTER

* BIKE LANE IS NOT SHOWN




REVERSE SLOPE GUTTER[6]
(TYPICAL FOR ALL CURB GUTTER TYPES)

## GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

1. TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.
2. THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
3. USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.
4. THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.
5. THE FACE OF CURB IS 6" FROM THE BACK OF CURB.
6. WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.
7. USE 4 GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.
8. INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

## CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

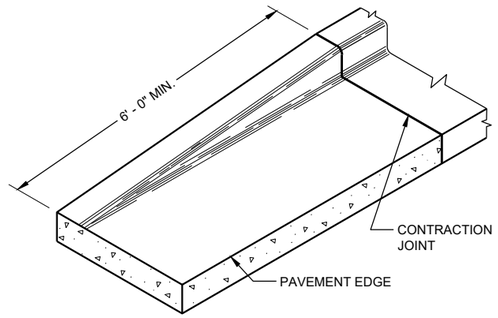


6

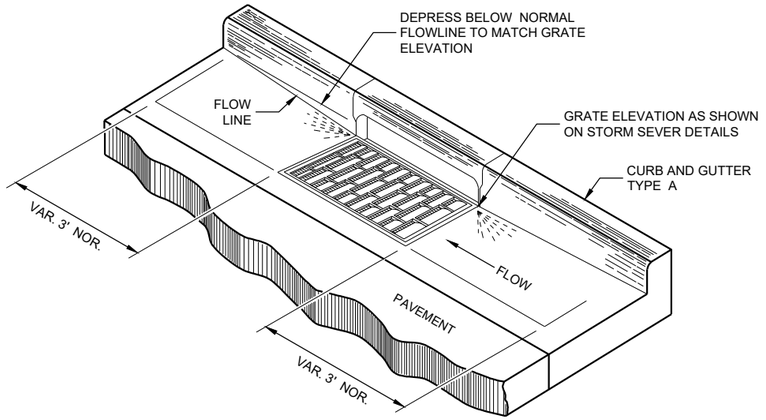


6

SDD 08D01 - 21a




**END SECTIONCURB AND GUTTER**




**DETAIL OF CURB AND GUTTER AT INLETS**
(TYPICAL H INLET COVER SHOWN)

## GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

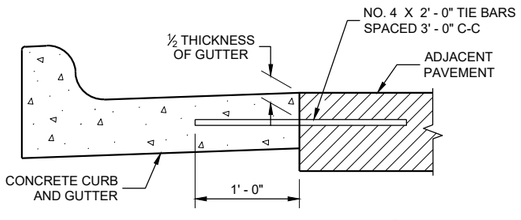
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

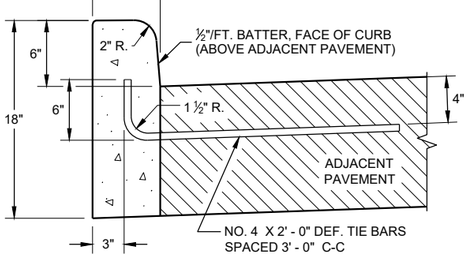
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

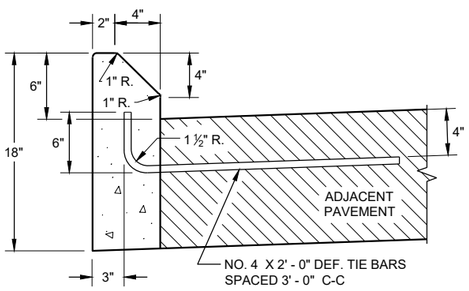
◯ REFER TO SDD 08D18 AND 08D1 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.




**TYPICAL TIE BAR LOCATION** (1)

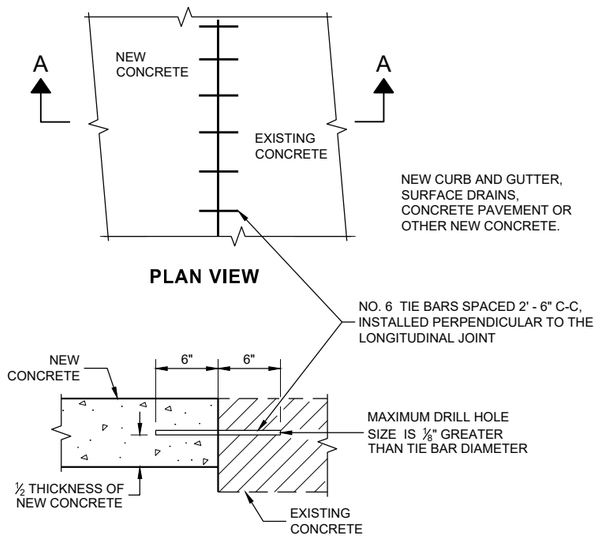



**TYPES A (1) & D**




**TYPES G (1) & J**

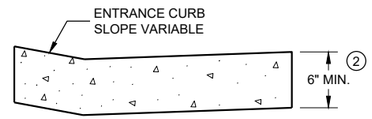
**CONCRETE CURB**




**PLAN VIEW**

**SECTION A - A**

**TIE BARS DRILLED INTO EXISTING PAVEMENT**




**DRIVEWAY ENTRANCE CURB** ◯
(WHEN DIRECTED BY THE ENGINEER)

**CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020 — DATE
/S/ R dney Tay r — ROADWAY STANDARDS DEVE ENGINEER

FHWA



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SDD08D01 - 21b

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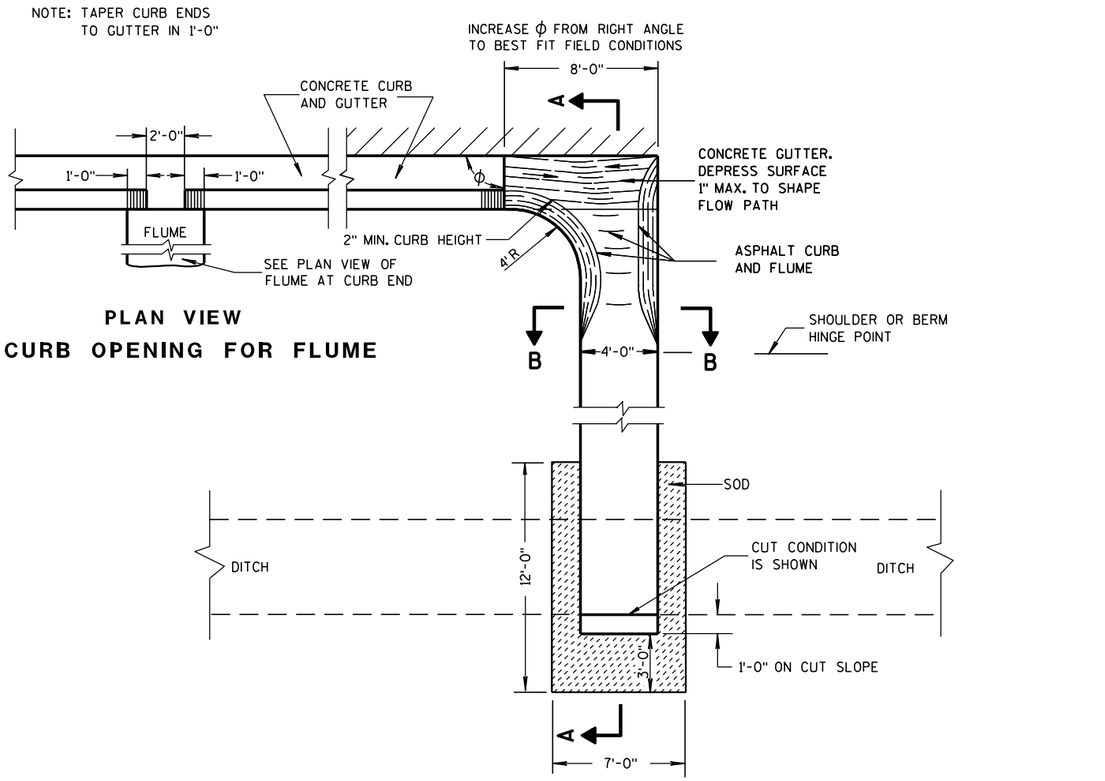
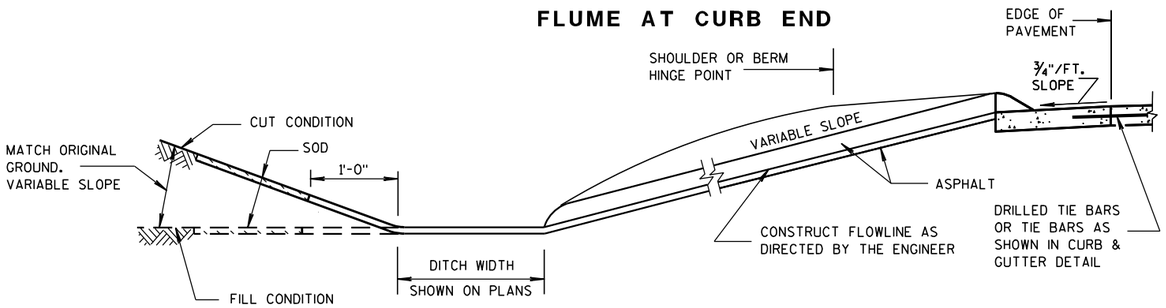
SDD08D01 - 21b

## ASPHALTIC FLUME

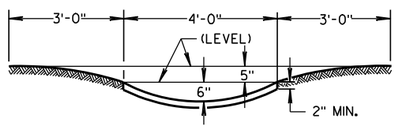



PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END




SECTION A-A




SECTION B-B

## GENERAL NOTES

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

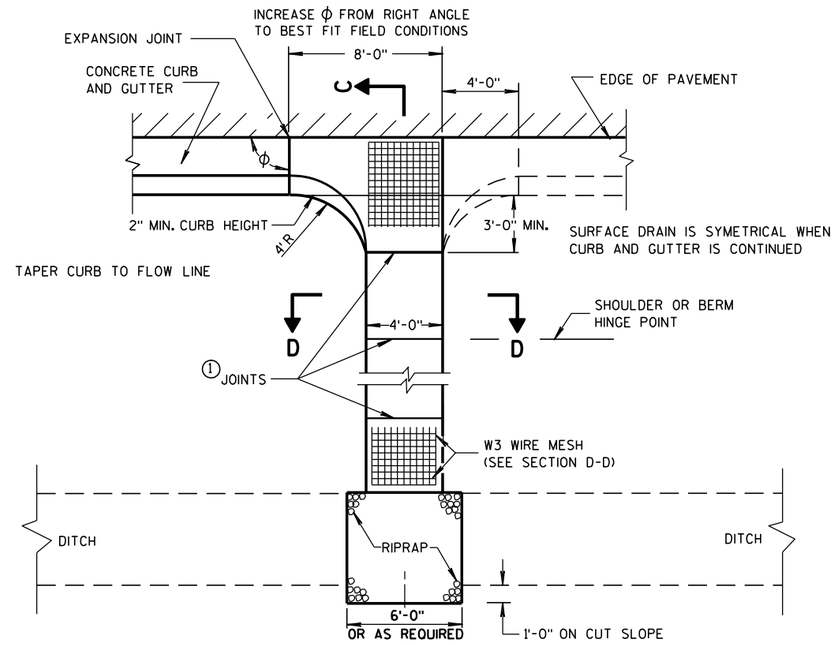
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

① JOINTS SHALL BE $\frac{1}{8}$ TO $\frac{1}{4}$ INCH WIDE BY $1\frac{1}{2}$ INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.

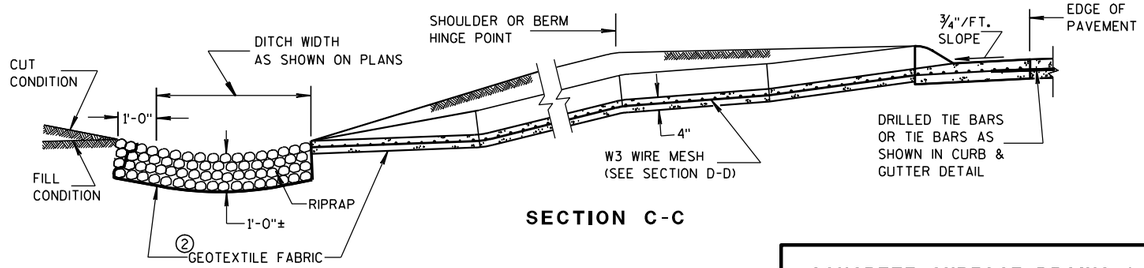
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

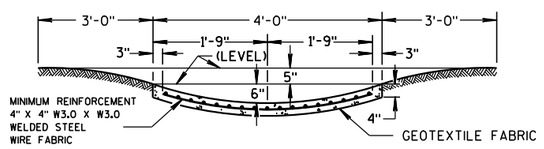
## ③ CONCRETE SURFACE DRAIN




PLAN VIEW




SECTION C-C




SECTION D-D

## CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9-4-08 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
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MENT
FHWA

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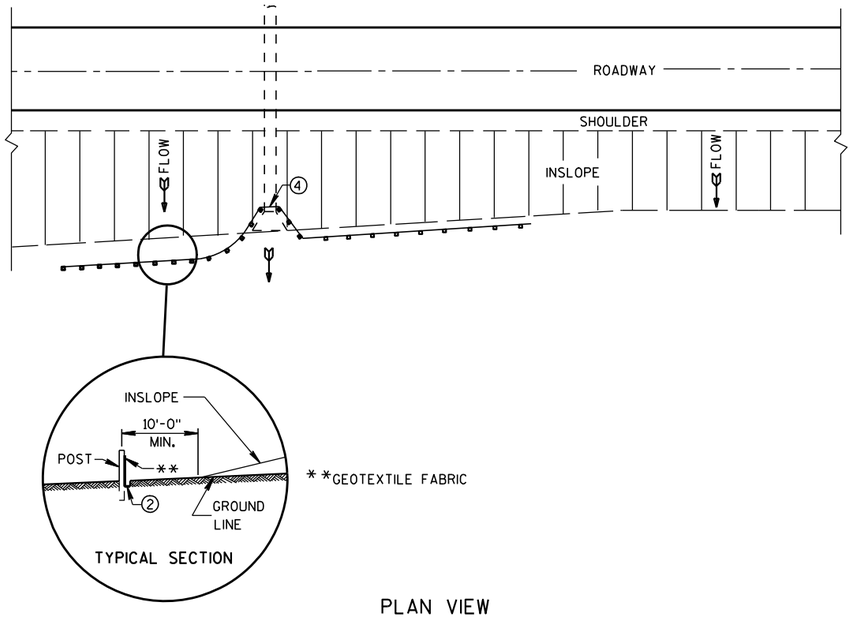
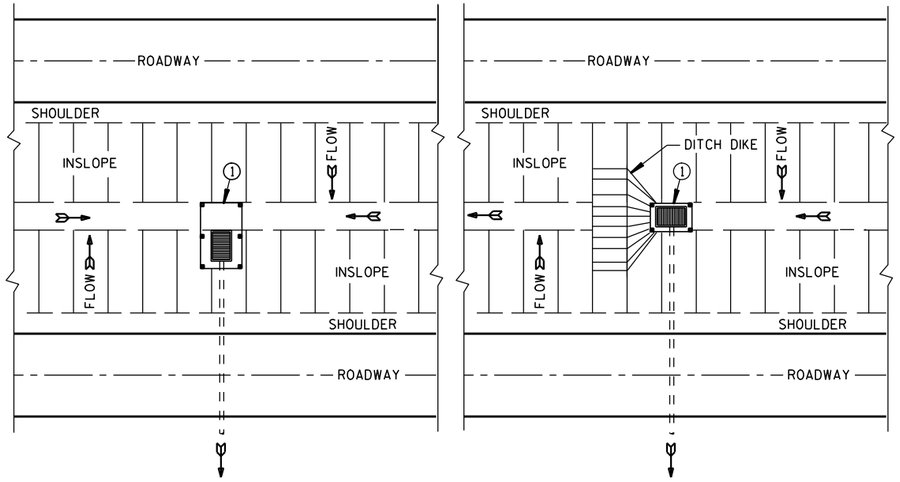



PLAN VIEW

## TYPICAL APPLICATION OF SILT FENCE




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.

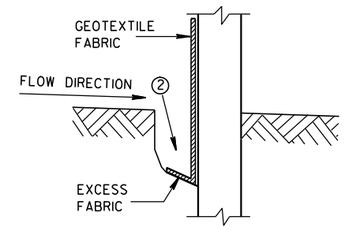
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

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.

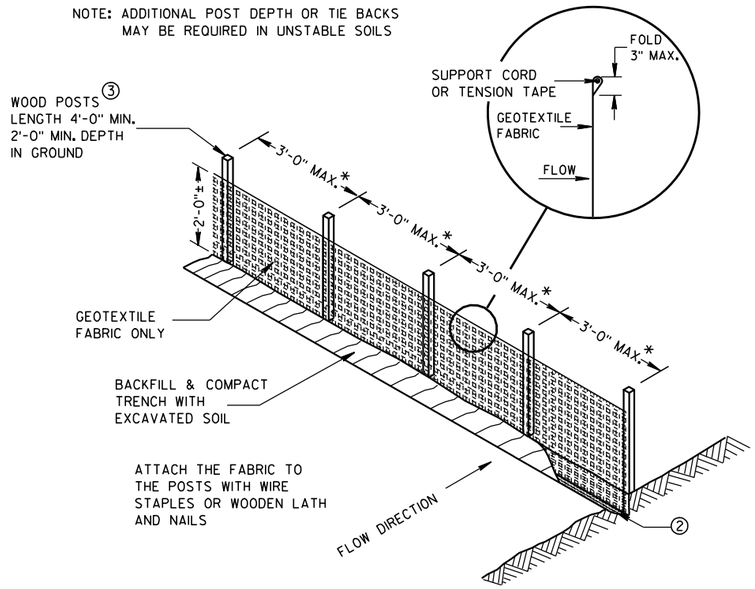
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

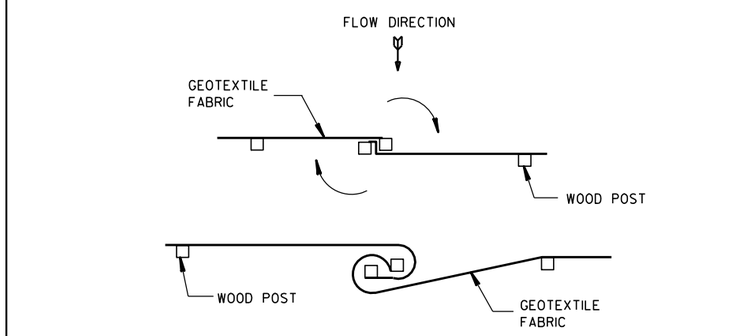
⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



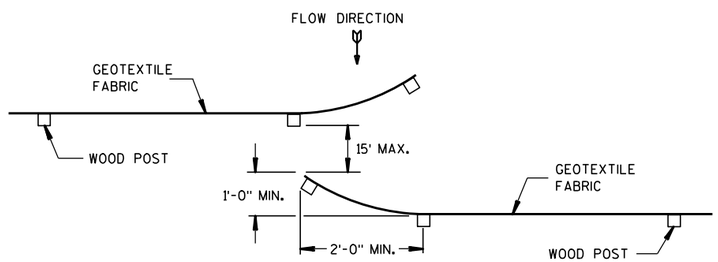

## TRENCH DETAIL




## SILT FENCE

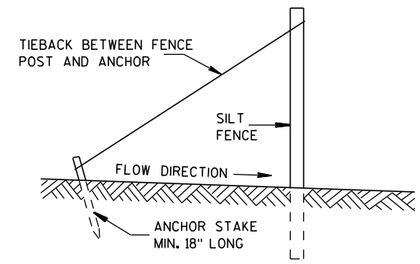



TWIST METHOD




HOOK METHOD

## JOINING TWO LENGTHS OF SILT FENCE ⑤




## SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA



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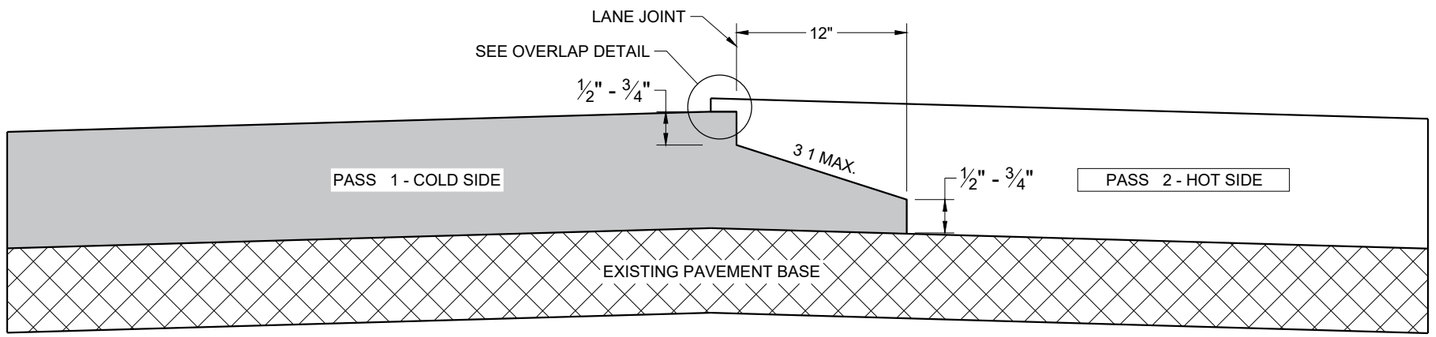
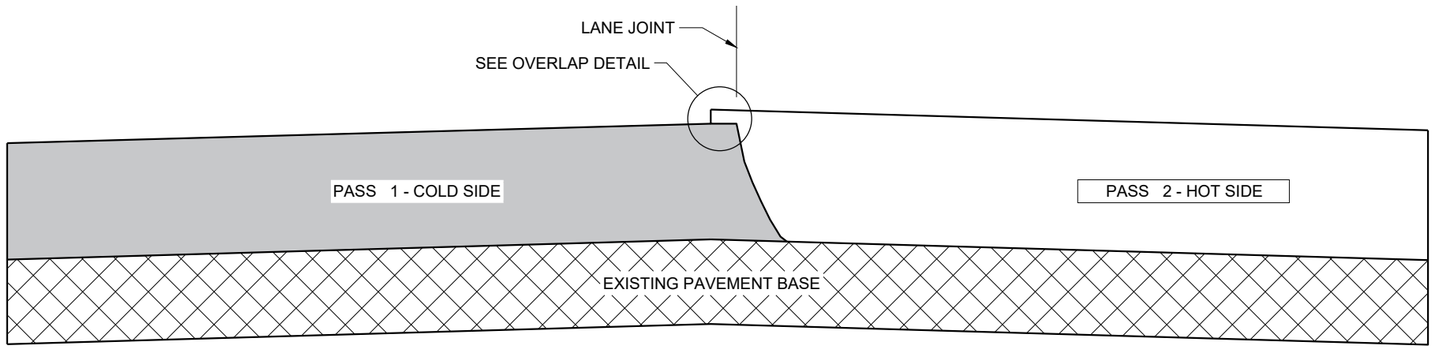
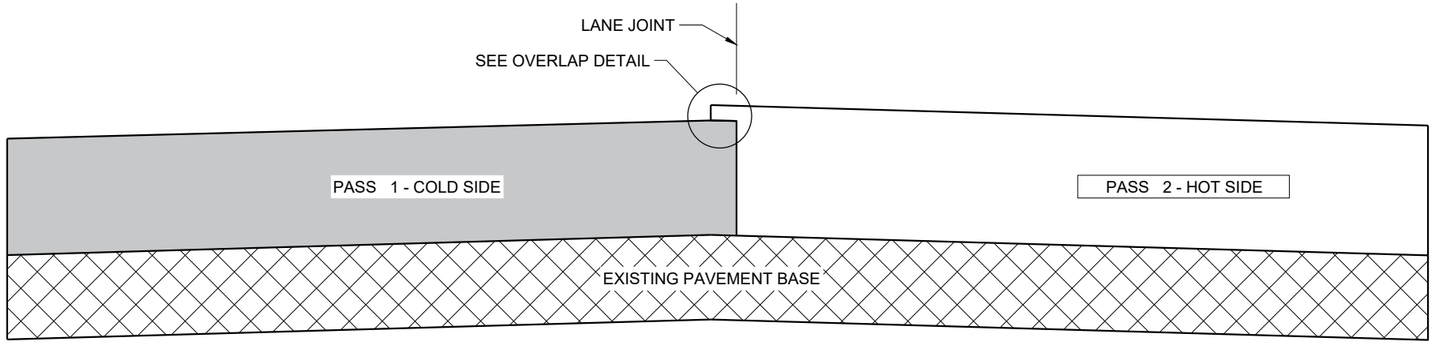
S.D.D. 8 E 9-6




**TYPICAL PAVEMENT CROSS SECTION OF NOTCHED WEDGE LONGITUDINAL JOINT**




**TYPICAL PAVEMENT CROSS SECTION VERTICAL LONGITUDINAL JOINT**




**TYPICAL PAVEMENT CROSS SECTION OF MILLED LONGITUDINAL JOINT**

## GENERAL NOTES

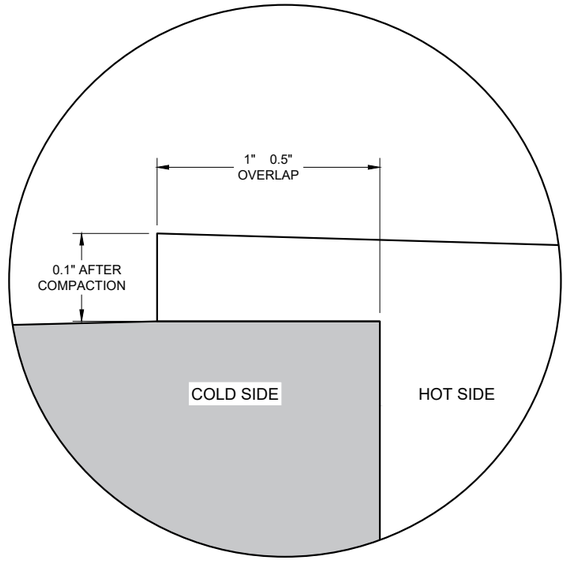
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION.

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.




**OVERLAP DETAIL (TYPICAL)**

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SDD 13C19 - 02

SDD 13C19 - 02

**HMA LONGITUDINAL JOINTS**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Ste en He e
HMA PAVEMENT ENGIN

FHWA

## GENERAL NOTES

(1) W6 X 9 OR W6 X 8.5 STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS ARE ACCEPTABLE ALTERNATIVES FOR 6" X 8" WOOD POSTS WITH WOOD OR PLASTIC BLOCKOUTS. USE APPROVED NOTCHED PLASTIC BLOCKOUTS WITH STEEL POSTS. APPROVED PLASTIC BLOCKOUT DESIGNS MAY VARY FROM THIS TYPICAL DETAIL WHEN USED IN CONJUNCTION WITH STEEL POSTS.

DO NOT MIX STEEL POSTS AND WOOD POSTS IN A SINGLE INSTALLATION.

(2) USE STRUCTURAL STEEL POSTS CONFORMING TO ASTM A 36. GALVANIZED POSTS ACCORDING TO AASHTO M 111. EITHER SET THE POSTS IN DRILLED HOLES OR DRIVE TO GRADE. REMOVE MUSHROOMING CAUSED BY DRIVING AND REPAIR DAMAGED SPELTER COATING ON GALVANIZED POSTS.

(3) INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

(4) USE EITHER WOOD OR APPROVED PLASTIC BLOCKOUTS ON WOOD POSTS.

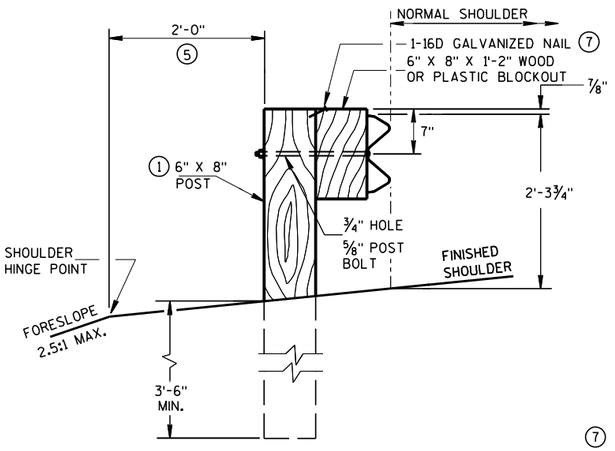
(5) IF THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING, W BEAM (LHW).

(6) IF ROCK IS ENCOUNTERED DURING EXCAVATION, THE ENGINEER MAY APPROVE USING A 12 INCH DIAMETER POST HOLE EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE APPROXIMATELY 2½ INCHES DEEP. CUT THE POSTS TO LENGTH AND PLACE IN YHE HOLE. BACKFILL WITH MATERIAL EXCAVATED FROM THE HOLE AND COMPACT ADEQUATEY.

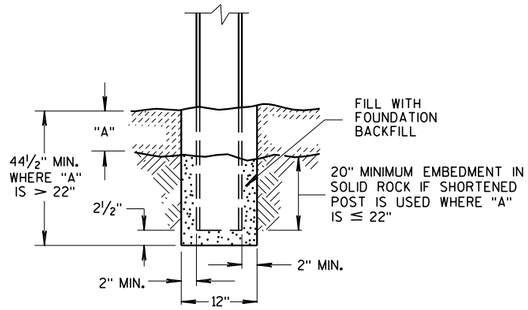
(7) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

INSTALL BEAM GUARD SECTIONS AND ALL NECESSARY HARDWARE ACCORDING TO THE APPLICABLE PLAN AND CURRENT STANDARD AND SUPPLEMENTAL SPECIFICATIONS.

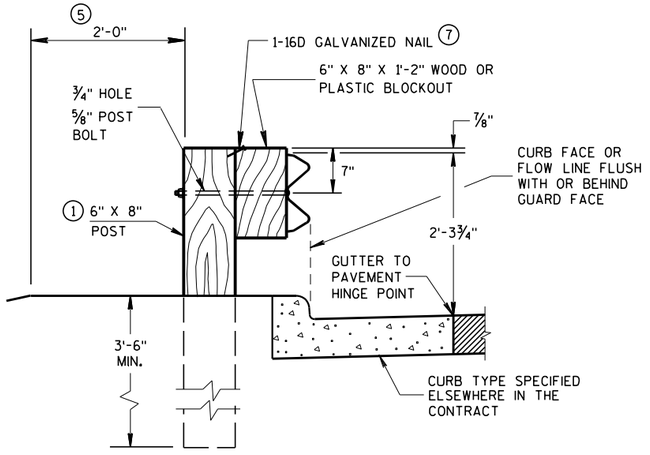
ALL DIMENSIONS ARE SUBJECT TO MANUFACTURER'S TOLERANCES EXCEPT WHERE ALLOWABLE TOLERANCES ARE SHOWN.



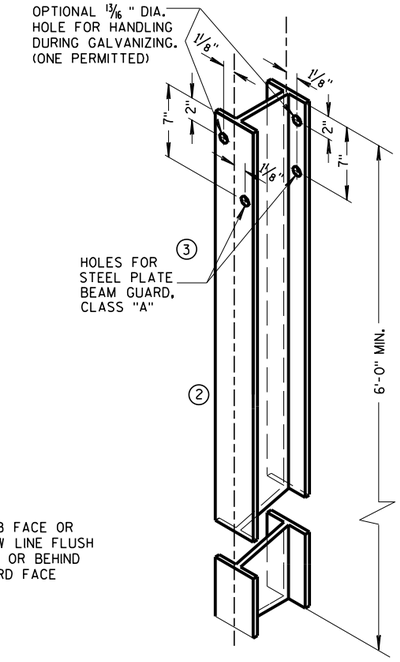

END VIEW
LOCATED ALONG A ROADWAY SHOULDER
STANDARD INSTALLATION




END VIEW
SETTING STEEL OR WOOD POST IN ROCK (6)

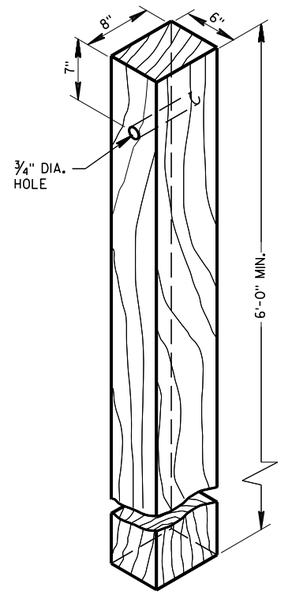



END VIEW
LOCATED ALONG A CURBED ROADWAY

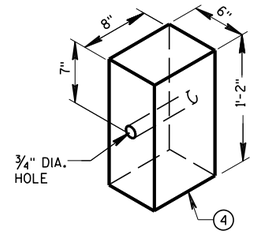



STEEL POST &
HOLE PUNCHING DETAIL
(W6 X 9) (1)

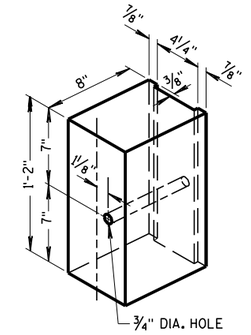
ALL HOLES 13/16" DIAMETER EXCEPT AS NOTED



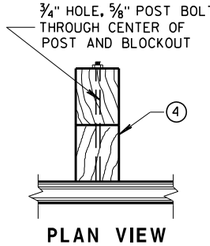

WOOD POST
(6"X8") NOMINAL



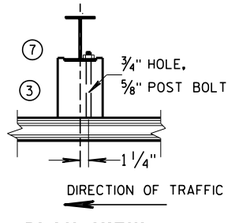

WOOD OR PLASTIC
BLOCKOUT FOR
WOOD POSTS



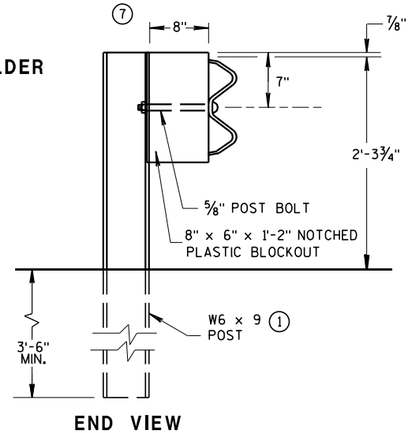

TYPICAL NOTCHED
PLASTIC BLOCKOUT
FOR STEEL POSTS (1)



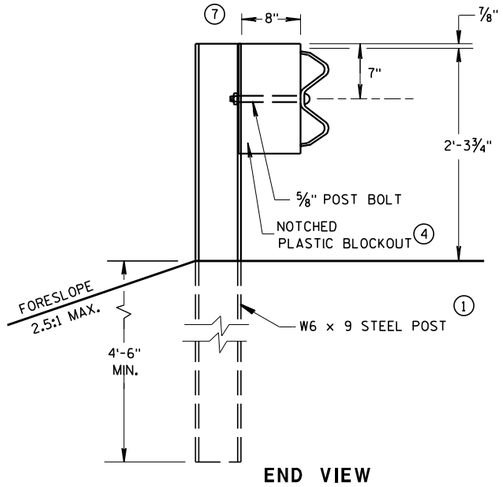

PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



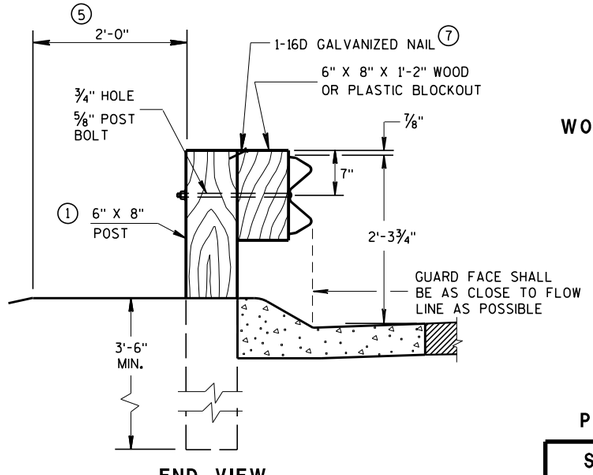

PLAN VIEW
STEEL POST, NOTCHED
PLASTIC BLOCKOUT & BEAM




END VIEW
STEEL POST & NOTCHED
PLASTIC BLOCKOUT ALTERNATIVE
STANDARD INSTALLATION




END VIEW
LONGER POST AT HALF
POST SPACING W BEAM
(LHW)




END VIEW
LOCATED ALONG A
MOUNTABLE CURBED ROADWAY

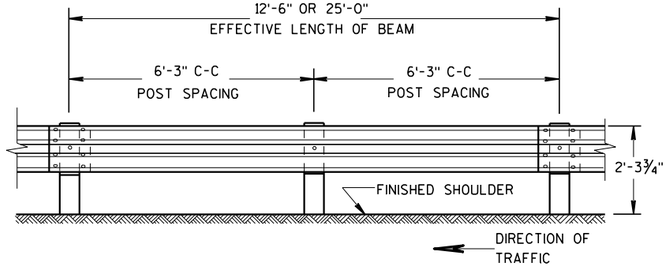
## TYPICAL INSTALLATION OF STEEL PLATE BEAM GUARD

STEEL PLATE BEAM GUARD,
CLASS "A"
INSTALLATION & ELEMENTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

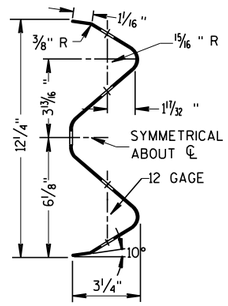



6
S.D.D. 14 B 15-11a

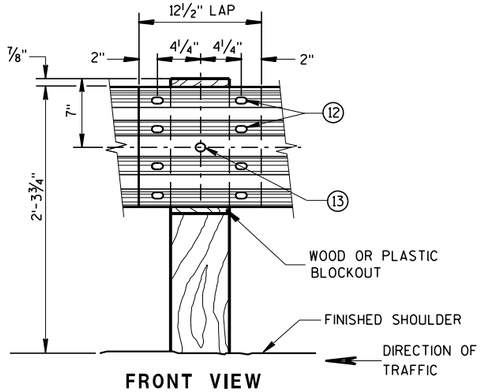



FRONT VIEW

## POST SPACING STANDARD INSTALLATION




## SECTION THRU W BEAM




FRONT VIEW

## BEAM SPLICE AT WOOD POST AND POST MOUNTING DETAIL

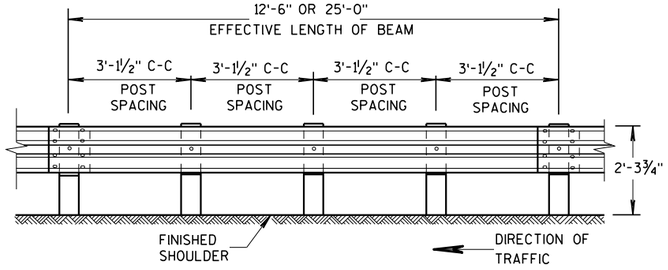
## GENERAL NOTES

FURNISH GUARDRAIL DEFLECTORS FROM APPROVED PRODUCTS LIST.

(9) DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINA. START REFLECTORS AT POST #9 AND SPACE EVENLY EVERY 100 FEET (MAX.) TO THE END OF GUARDRAIL RUN, USING A MINIMUM OF 3 REFLECTORS.

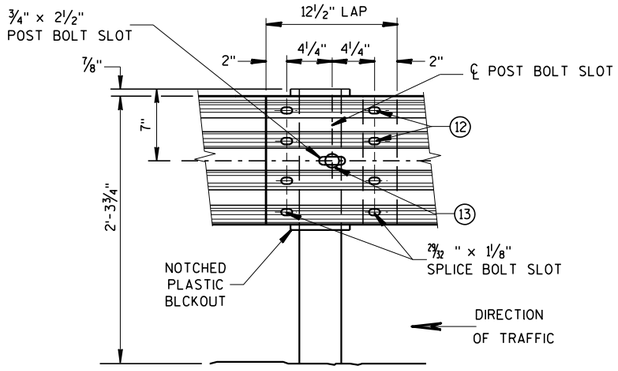
(12) 8 -⅝" ϕ X 2" BUTTON HEAD BOLTS WITH OVAL SHOULDERS & RECESS NUTS.

(13) ⅝" DIA. BUTTON HEAD BOLT AND RECESS NUT WITH ⅝" DIA. F844 FLAT WASHER UNDER NUT.




FRONT VIEW

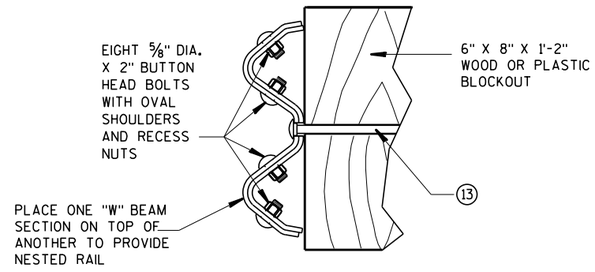
## POST SPACING FOR LONGER POST AT HALF POST SPACING W BEAM (LHW)




FRONT VIEW

BEAM SPLICE AT STEEL POST

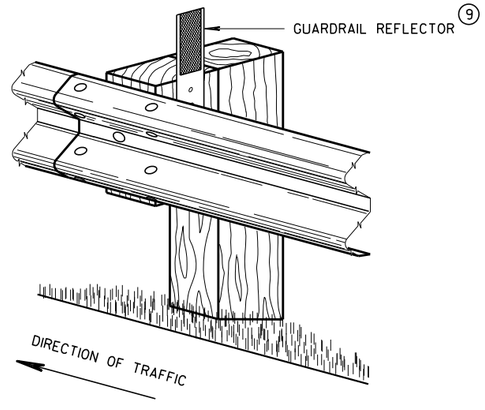
## TYPICAL SPLICING DETAILS OF STEEL PLATE BEAM GUARD



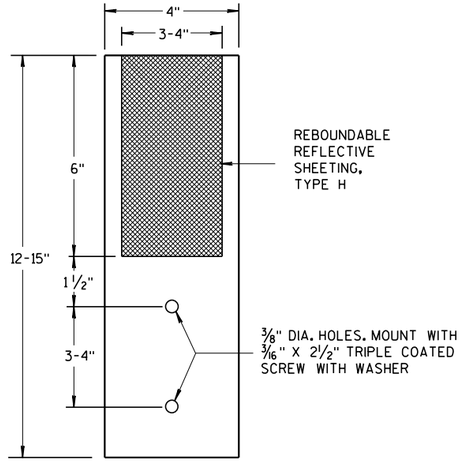

## NESTED W BEAM (NW)

USE ALL OTHER STANDARD BEAM GUARD DETAILS FOR CONSTRUCTING NESTED W BEAM (NW)

* USE DOUBLE SIDED WHITE GUADRAIL REFLECTORS ON ROADWAYS WITH BI-DIRECTIONAL TRAFFIC (NO MEDIAN). USE SINGLE SIDED WHITE (RIGHT SIDE) AND SINGLE SIDED YELLOW (LEFT SIDE) ON ROADWAYS WITH MEDIAN SEPARATION.




## 4" X 12" GUARDRAIL REFLECTOR DETAIL AND TYPICAL INSTALLATION *




4"x 12" GUARDRAIL REFLECTOR

**STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS**

STATE OF WISCO 47
DEPARTMENT OF TRANSPORTATION

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S.D.D. 14 B 15-11b

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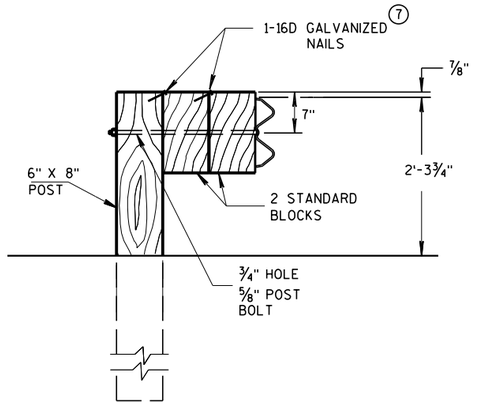
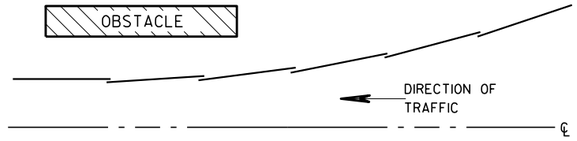
S.D.D. 14 B 15-11b

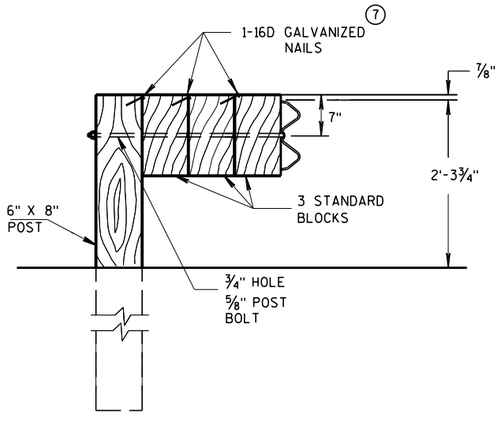



**DETAIL FOR DOUBLE BLOCKS**

THE NUMBER OF DOUBLE BLOCK POSTS WITHIN A BARRIER RUN IS UNLIMITED

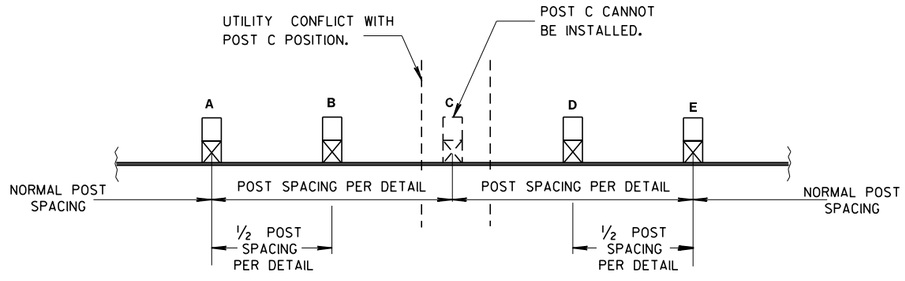



**PLAN VIEW**
**BEAM LAPPING DETAIL**




**DETAIL FOR TRIPLE BLOCKS**

TRIPLE BLOCK DETAIL IS LIMITED TO ONE LOCATION WITHIN A BEAM GUARD RUN.




**POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION**

NOTES: USE DOUBLE OR TRIPLE BLOCKS WHEN UNDERGROUND OBSTACLES PREVENT THE POST FROM BEING INSTALLED.

DO NOT USE EXTRA BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

**STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERVISOR
FHWA




6
S.D.D. 14 B 15-11c

## BILL OF MATERIALS

| NOTE NO. | DESCRIPTION |
|---|---|
| ① | WOOD BREAKAWAY TERMINAL POST: 5½" X 7½" X 3'-9" |
| ② | STEEL TUBE TS 8" X 6" X 0.188", 6'-0" |
| ④ | WOOD BREAKAWAY CRT POST: 6" X 8" X 6'-0" |
| ⑤ | WOOD OFFSET BLOCKS: 6' X 8" X 1'-2" |
| ⑥ | PIPE SLEEVE: 2" X 5 ½" STANDARD PIPE |
| ⑦ | BEARING PLATE |
| ⑧ | BCT CABLE ASSEMBLY |
| ⑨ | CABLE ANCHOR BOX |
| ⑩ | STRUT & YOKE |
| ⑪ | STEEL PLATE BEAM, END PANEL 12 GA. |
| ⑫ | STEEL PLATE BEAM: 12 GA. 13'-6½" |
| ⑬ | IMPACT HEAD |
| ⑭ | 0.040" ALUMINUM SHEET WITH REFLECTIVE SHEETING TYPE F PER SECTION 637 OF THE STANDARD SPECIFICATIONS |

## GENERAL NOTES

FOLLOW MANUFACTURE'S BOLTING RECOMMENDATIONS.

(A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL), AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED.

(D) THE TOP OF THE STEEL TUBE ON POSTS 1 AND 2 SHALL NOT BE MORE THAN 3" ABOVE THE FINISH GROUND ELEVATION.

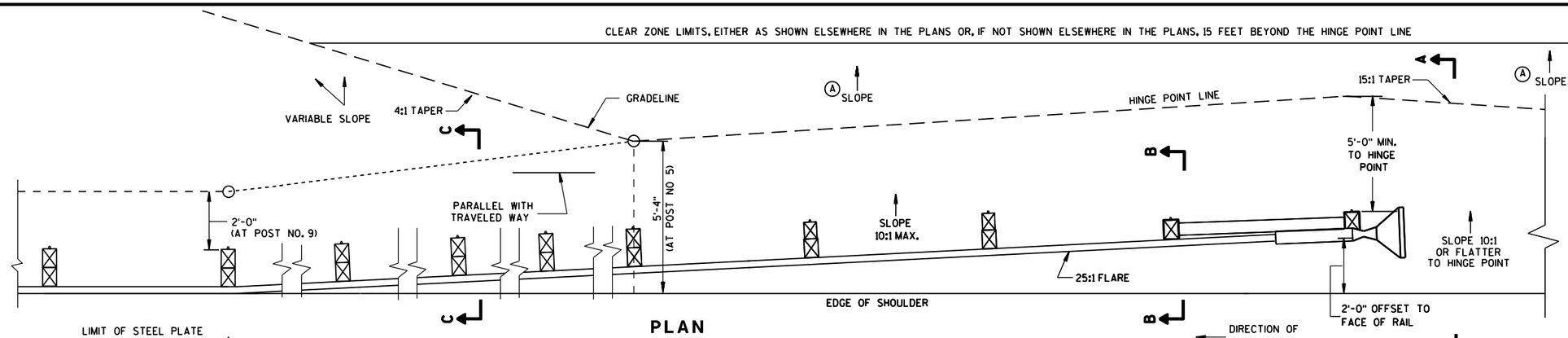
(E) THE CENTER OF THE UPPER 3½" DIAMETER HOLE ON POST 3 THROUGH 8 SHALL BE ¾" ABOVE THE FINISHED GROUND LINE.

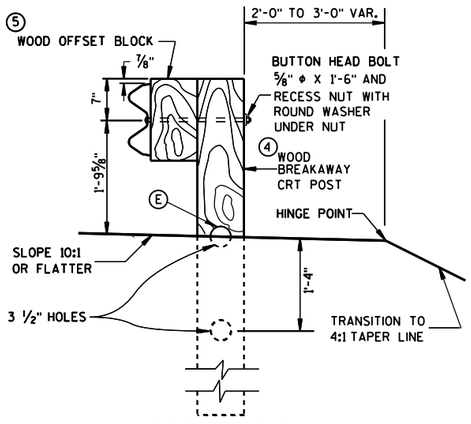
(F) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF-TAPPING SCREWS. ONE SCREW PER CORNER.

STEEL POSTS SHALL NOT BE ALLOWED FOR USE WITH ENERGY ABSORBING TERMINALS.

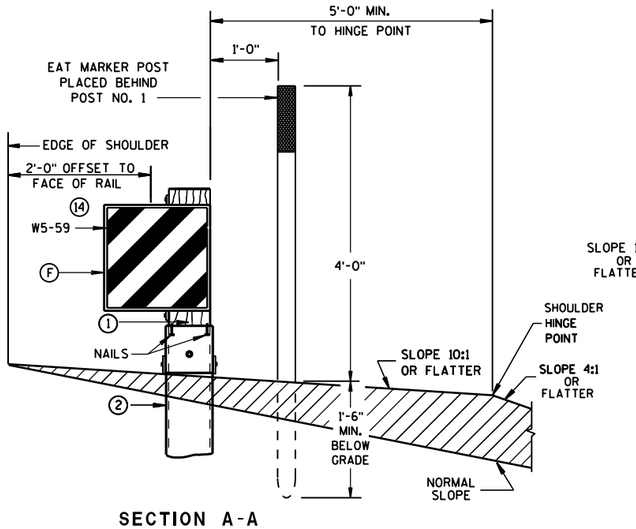
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

* DO NOT ATTACH BLOCKOUTS TO POSTS 1 AND 2.

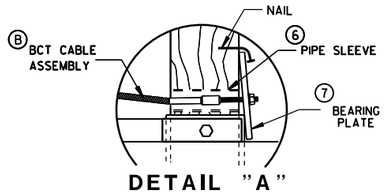


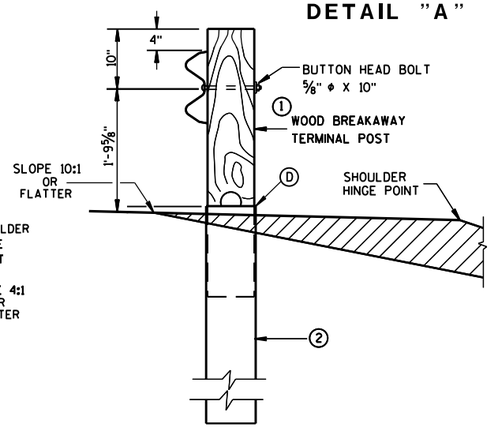

SECTION C-C
TYPICAL AT POST NOS. 6, 8



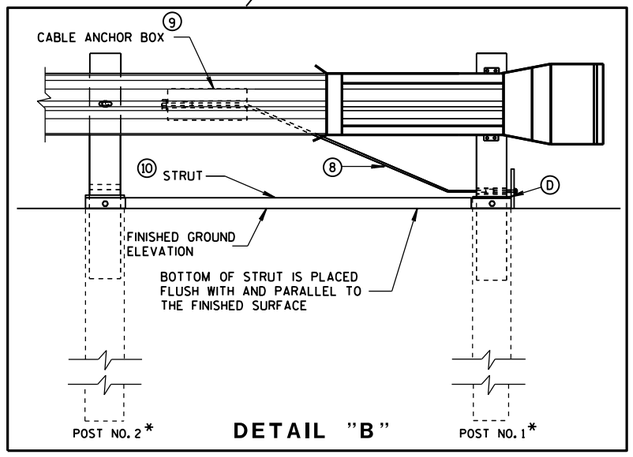

SECTION A-A
TYPICAL AT POST NO. 1*




DETAIL "A"




SECTION B-B
TYPICAL AT POST NO. 2*




DETAIL "B"

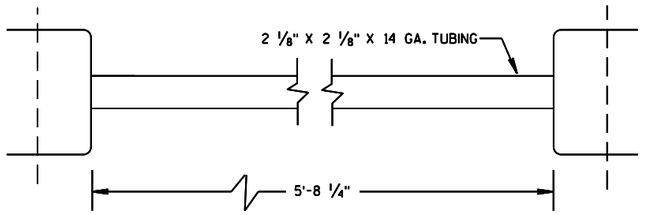
# STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

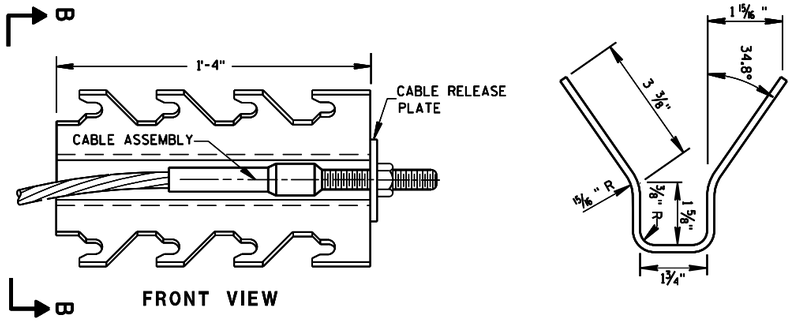



6

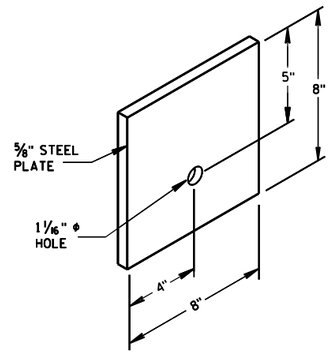
S.D.D. 14 B 24-9a




⑩ STRUT DETAIL




⑨ CABLE ANCHOR BOX




⑦ STEEL BEARING PLATE

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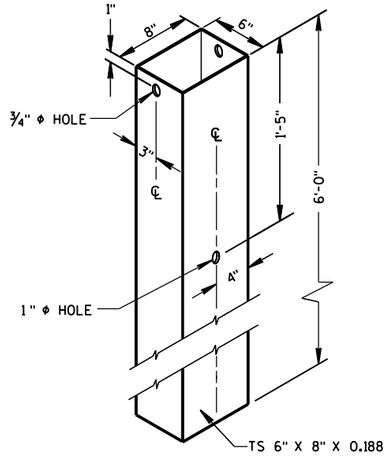
S.D.D. 14 B 24-9b

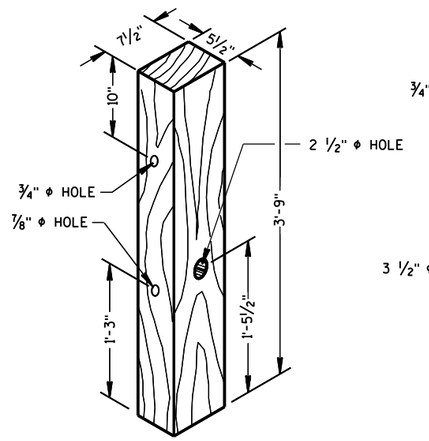
S.D.D. 14 B 24-9b

STEEL PLATE BEAM GUARD
ENERGY ABSORBING TERMINAL

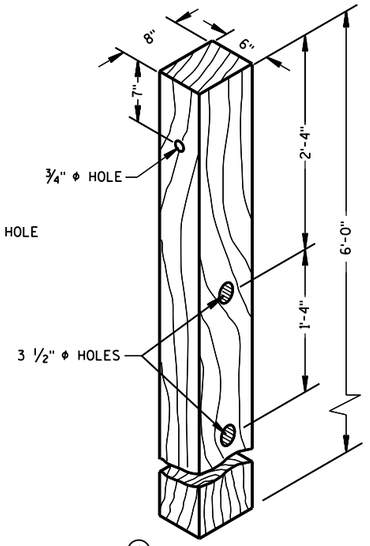
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI




② 72" STEEL TUBE
(POSTS NO. 1-2




① TERMINAL POST

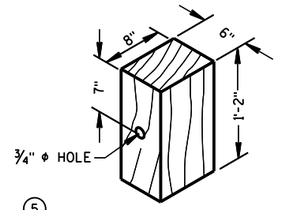



④ CRT POST
(POSTS NO'S 5-8)

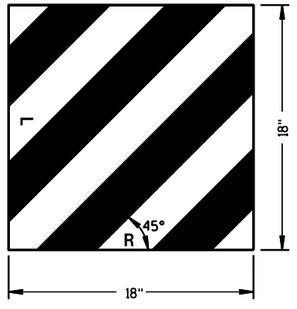
WOOD BREAKAWAY POSTS

## GENERAL NOTES

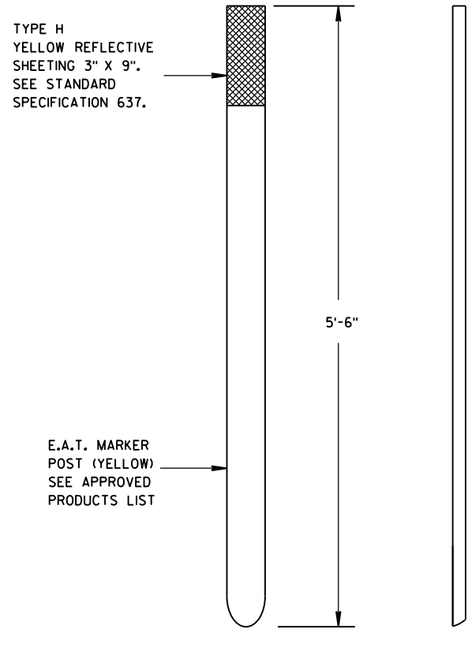
WHEN ROCK IS ENCOUNTERED DURING EXCAVATION, A 12 INCH DIA. POST HOLE EXTENDING 20 INCHES DEEP INTO THE ROCK MAY BE USED IF APPROVED BY THE ENGINEER. GRANULAR MATERIAL SHALL BE PLACED IN THE BOTTOM OF THE HOLE APPROXIMATELY 2 ½" INCHES DEEP TO PROVIDE DRAINAGE. THE SOIL TUBES SHALL BE FIELD CUT TO LENGTH, PLACED IN THE HOLE AND BACKFILLED WITH ADEQUATELY COMPACTED MATERIAL EXCAVATED FROM THE HOLE.




⑤ WOOD OFFSET BLOCK
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2




⑭ REFLECTIVE SHEETING DETAILS




E.A.T. MARKER POST

STEEL PLATE BEAM GUARD
ENERGY ABSORBING TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERV.
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ENT

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S.D.D. 14 B 24-9c

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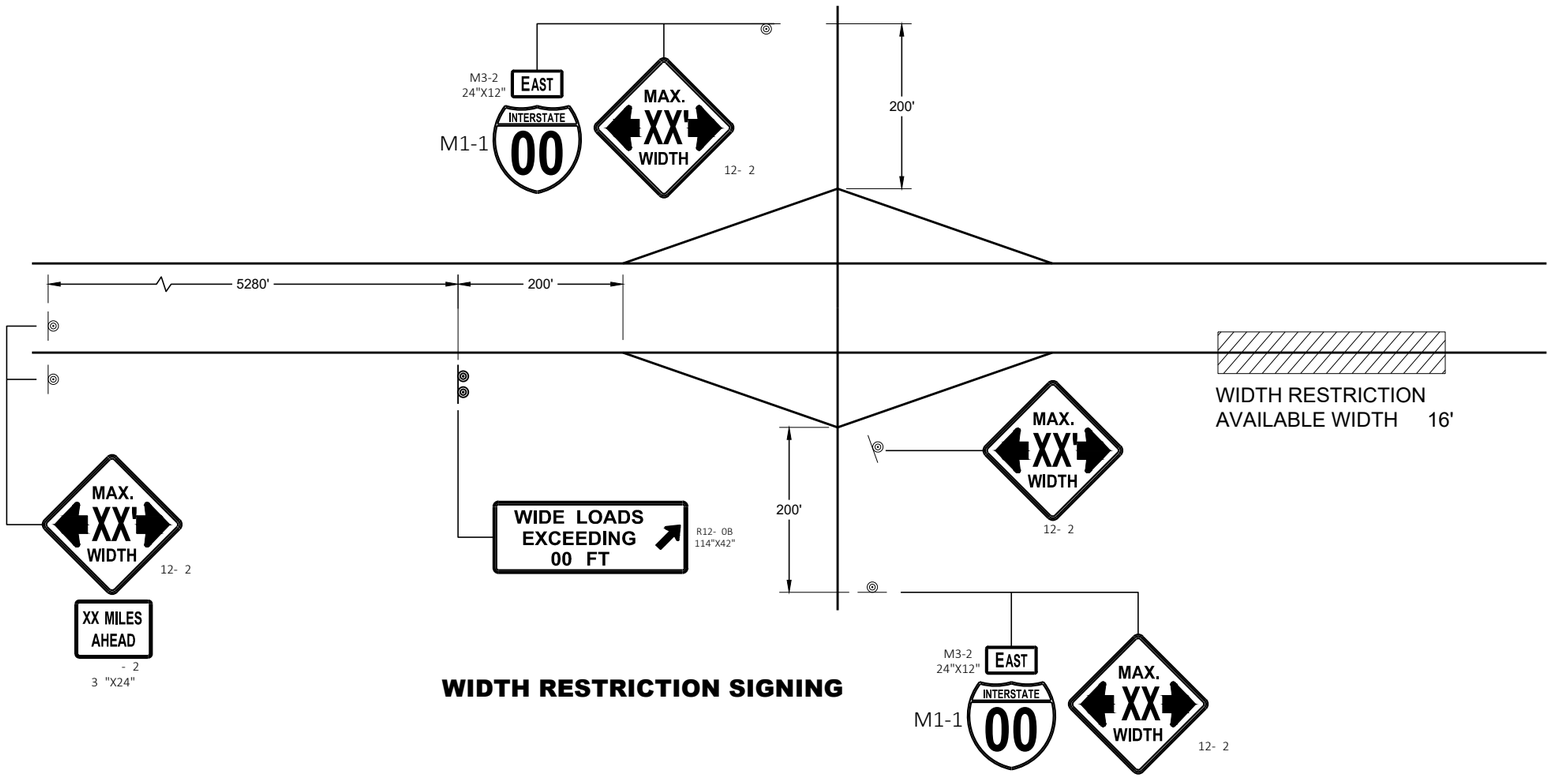
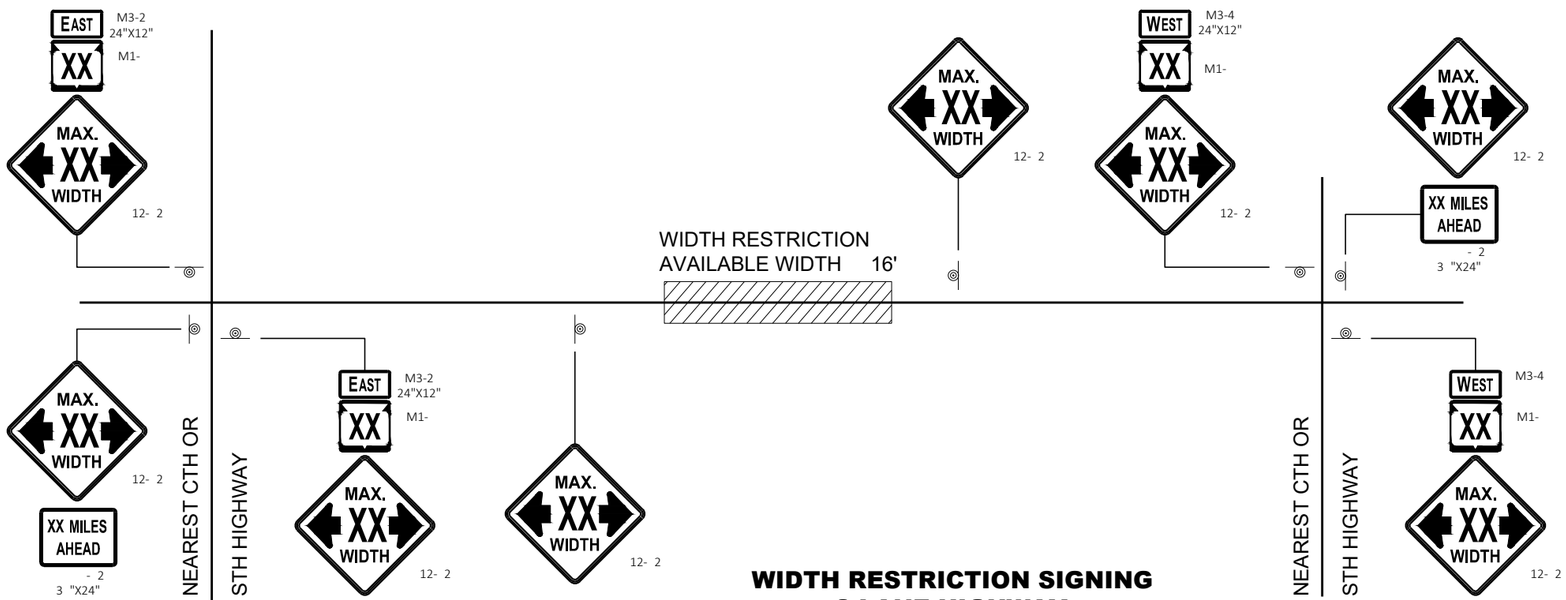
S.D.D. 14 B 24-9c




**WIDTH RESTRICTION SIGNING**




**WIDTH RESTRICTION SIGNING**
**2 LANE HIGHWAY**

## LEGEND

◎ SIGN ON PERMANENT SUPPORT

## GENERAL NOTES

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

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

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

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

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

WIDTH ON SIGN TO BE APPROXIMATELY ONE FOOT LESS THAN AVAILABLE WIDTH.

PLACE 500 FEET BEFORE THE W20 - 1A AND 500 FEET BEFORE ADDITIONAL SIGNS FOR ROADWAYS WITH A PRE - CONSTRUCTION SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25-30 MPH, USE 200 FOOT TYPICAL SPACING.

SIGN SHALL BE VISIBLE FROM ROADWAY.

ADDITIONAL SIGNS NEEDED IF THERE IS AN ON RAMP BETWEEN SIGNS.


WIDTH ON SIGN TO BE APPROX. 1 - FOOT LESS THAN AVAILABLE WIDTH

**ADVANCED WIDTH RESTRICTION SIGNING**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE 52

FHWA



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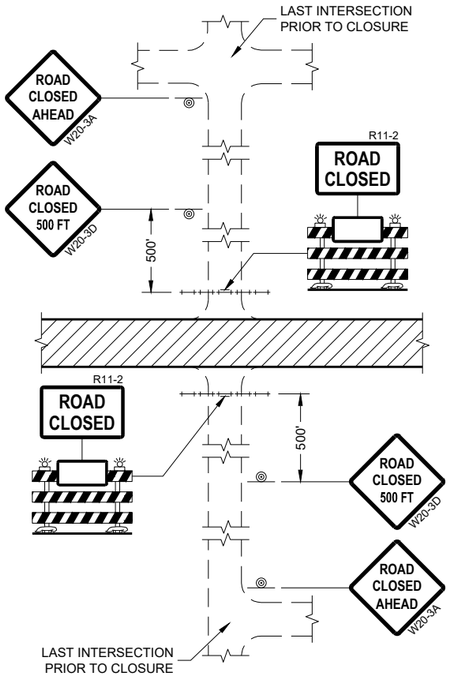
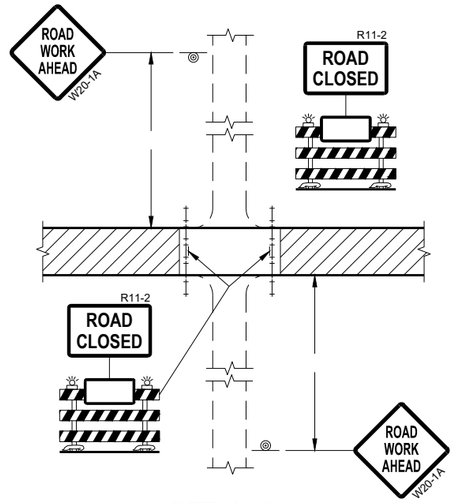
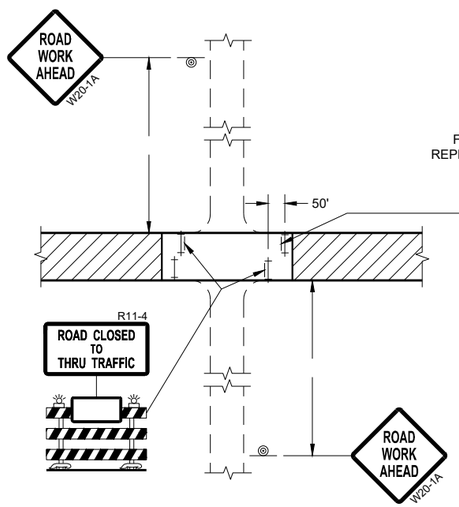
SDD 15C02 - 08f



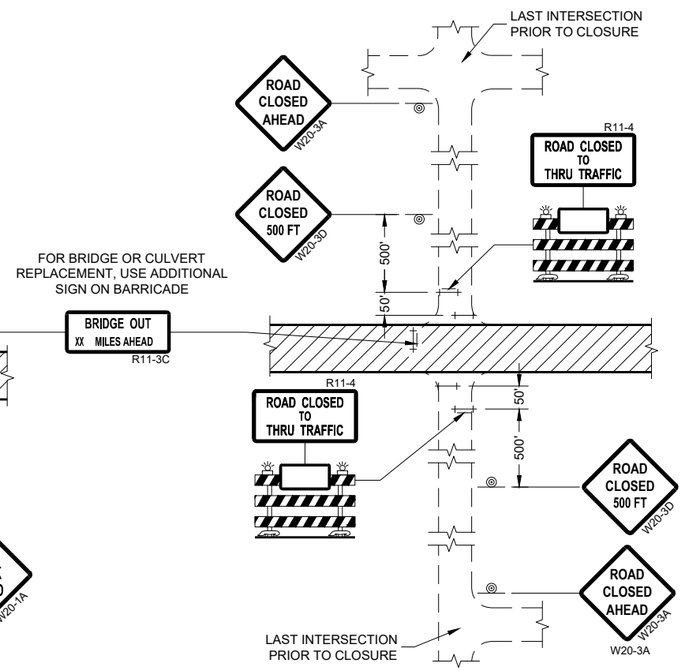

**DETAIL 1**
(NO ACCESS TO PROJECT)




**DETAIL 2**
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)




**DETAIL 3**
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)




**DETAIL 4**
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

## GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

## LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

**BARRICADES AND SIGNS FOR SIDEROAD CLOSURES**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Ju y 2018
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA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SDD 15C03 - 05

## GENERAL NOTES

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

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

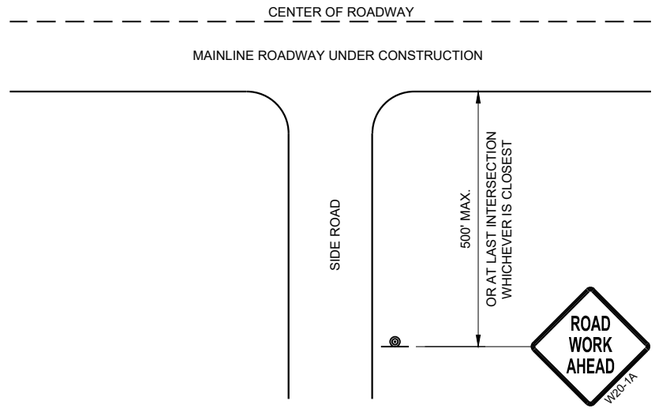
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

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

OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS

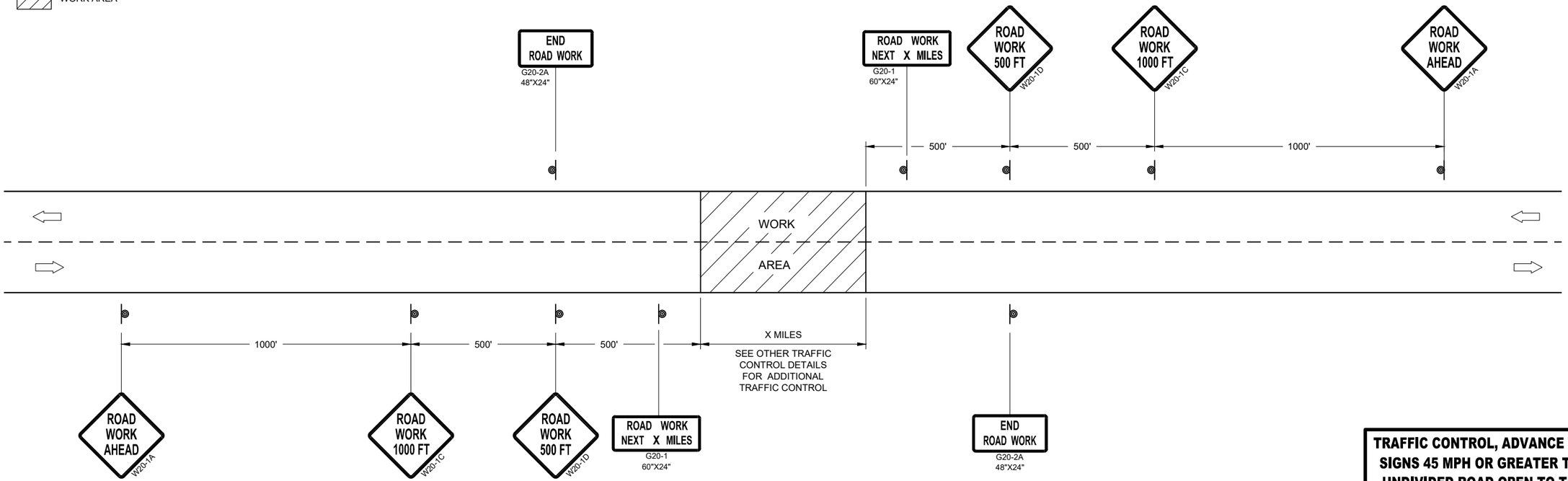
PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.




**TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL**

## LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA




**TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER**

**TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFICE**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Ju y 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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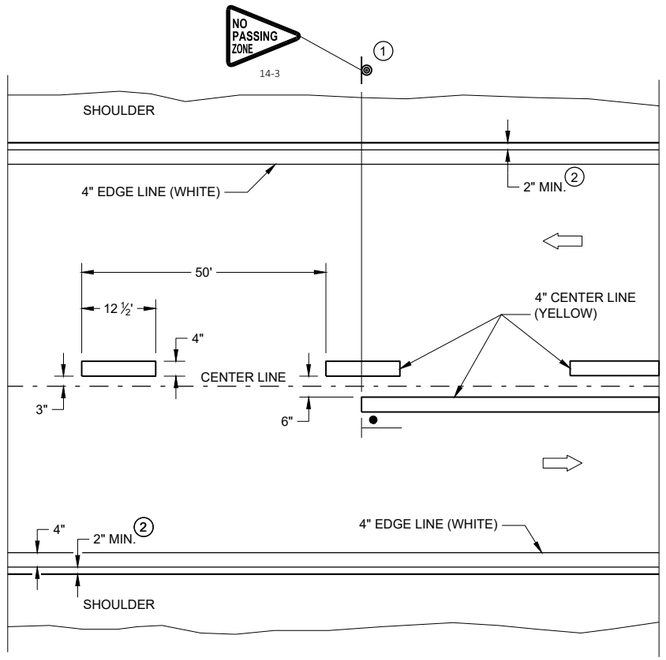
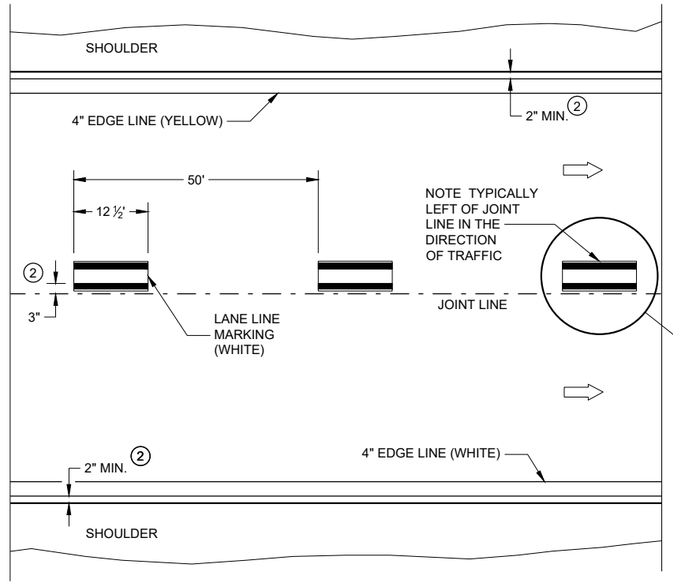
SDD 15C04 - 05

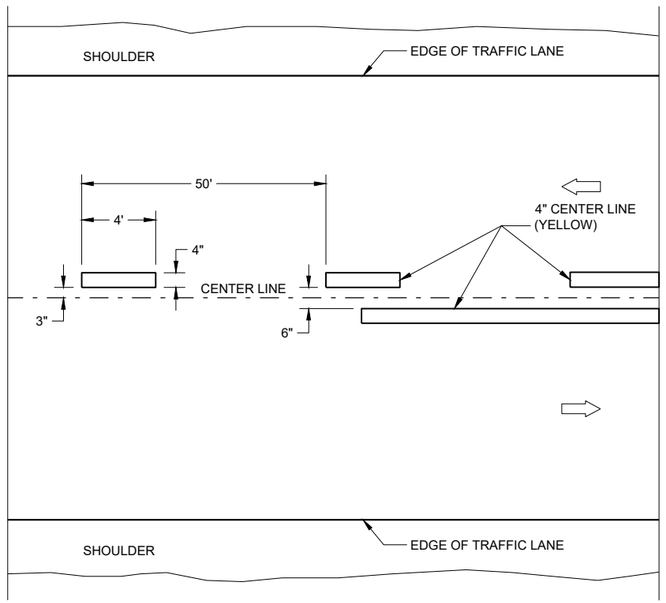



**TWO WAY TRAFFIC**

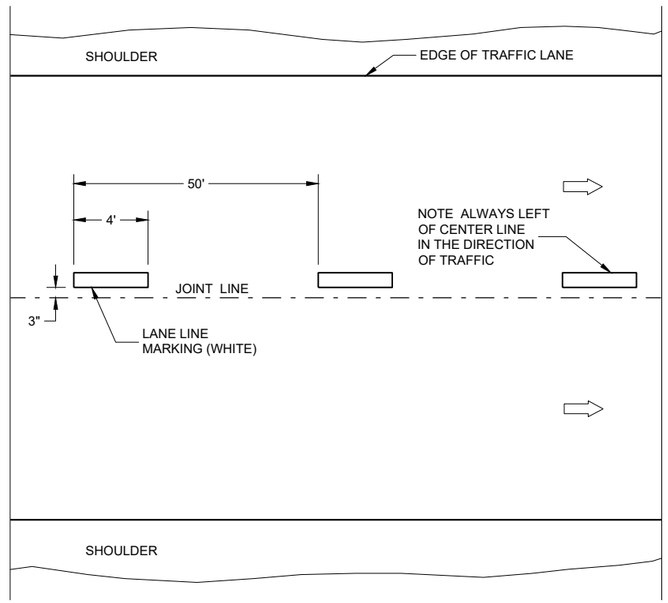



**ONE WAY TRAFFIC**

## PERMANENT PAVEMENT MARKING




**TWO WAY TRAFFIC**




**ONE WAY TRAFFIC**

## TEMPORARY PAVEMENT MARKING

## GENERAL NOTES

DETAILS OF CONSTRUCTION NO SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

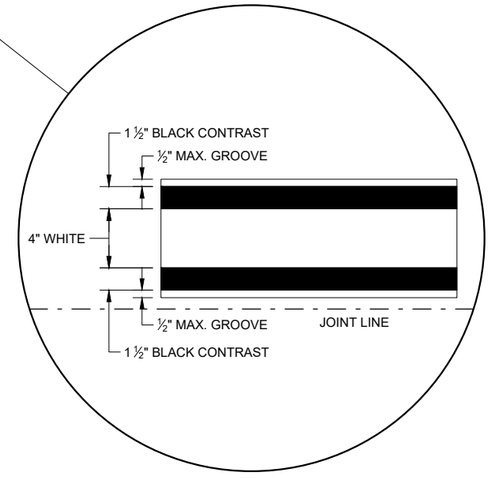
1. LOCATE THE NO PASSING ZONE W14-3 SIGN WITH 50 FEET OF THE "T" MARKING
2. MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

## LEGEND

"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC




**LONGITUDINAL MARKING (MAINLINE)**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

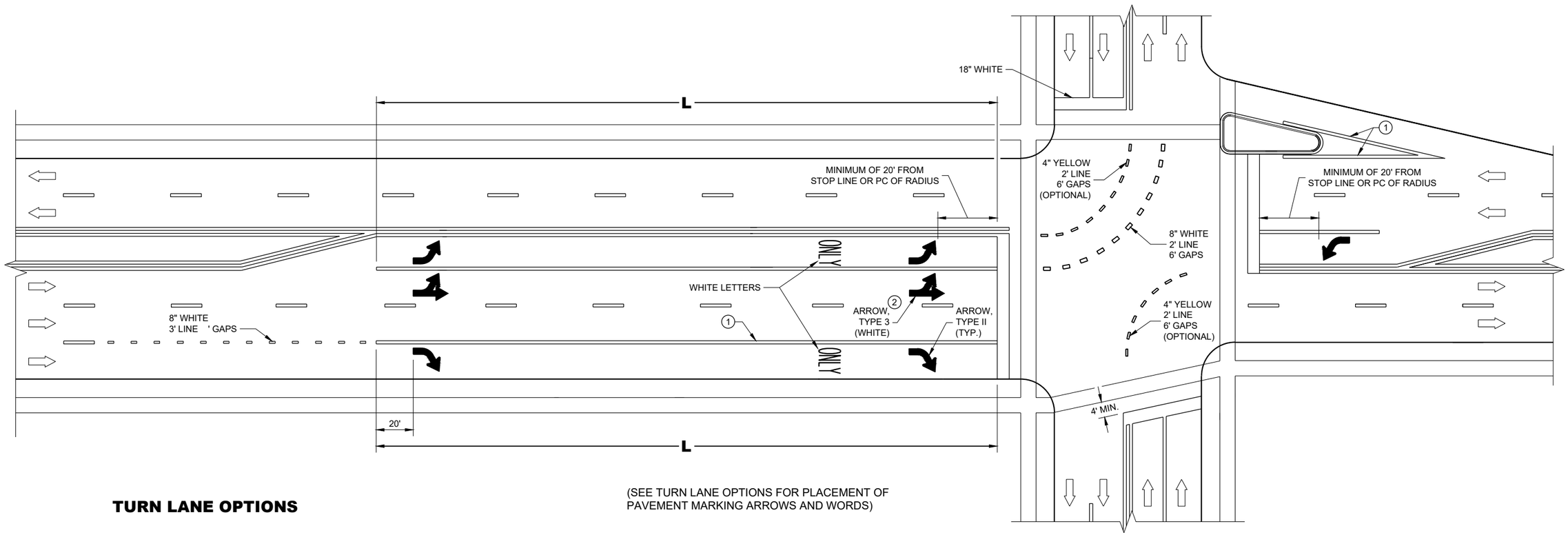
APPROVED
February 2020
DATE
/S/ Matt ew Rau
STATEWIDE SIGNING AND M ENGINEER

FHWA



SDD 15C08 - 20a

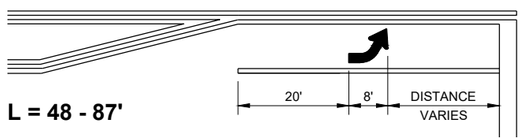
SDD 15C08 - 20a



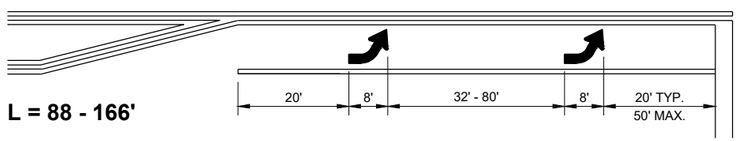

(SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

## TURN LANE OPTIONS

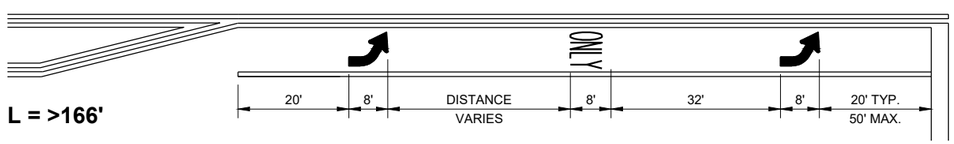
LENGTH OF TURN BAY ( **L** ) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS




**L = 48 - 87'**




**L = 88 - 166'**




**L = >166'**

## GENERAL NOTES

1. 8" WHITE
2. QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

DIRECTION OF TRAFFIC

**L** LENGTH OF TURN BAY

**PAVEMENT MARKING (TURN LANES)**

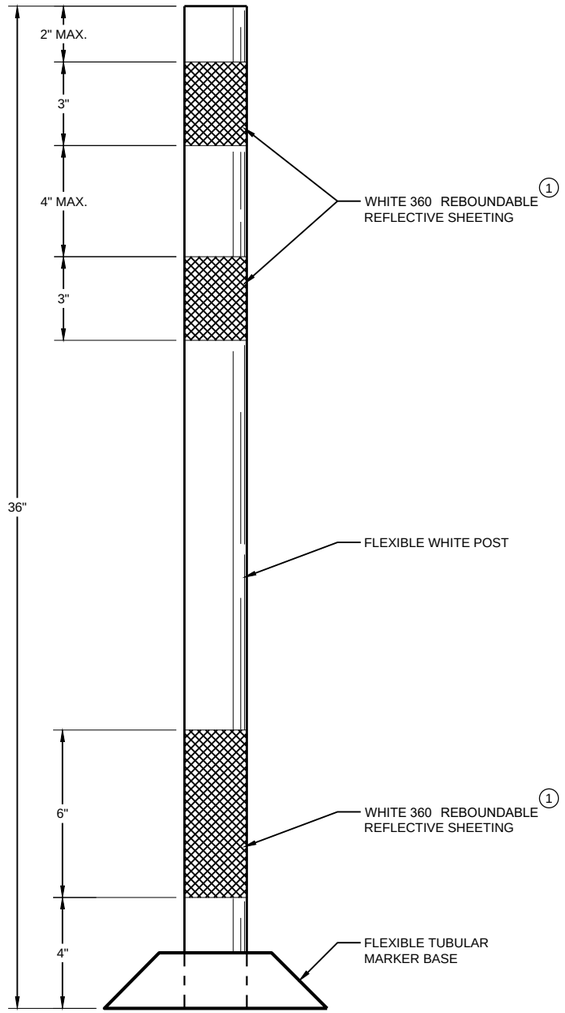
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



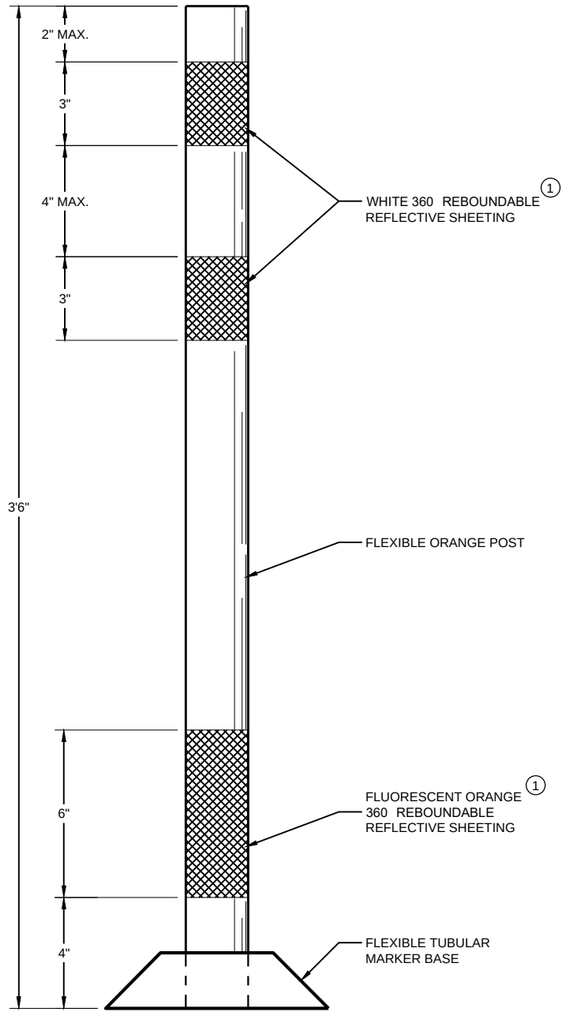


6

SDD 15C08 - 20c




**FLEXIBLE TUBULAR MARKER POST PERMANENT CROSSOVER**




**FLEXIBLE TUBULAR MARKER POST WORK ZONE**

## GENERAL NOTES

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

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

6

SDD 15C11 - 07a

CHANNELIZING DEVICES
FLEXIBLE TUBULAR
MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

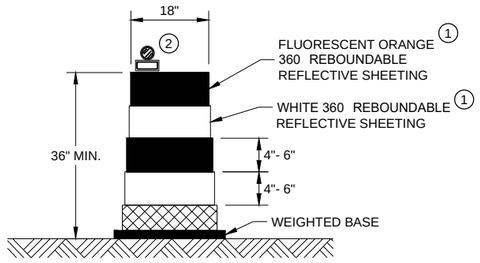


6

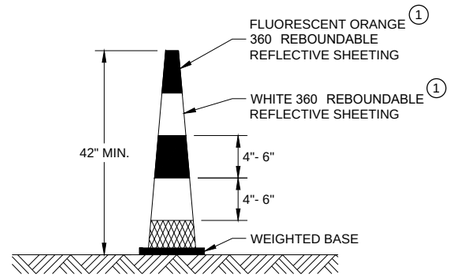
SDD 15C11 - 07a

## GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.

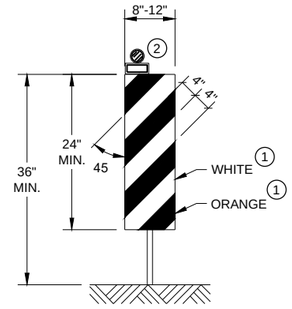



### DRUM



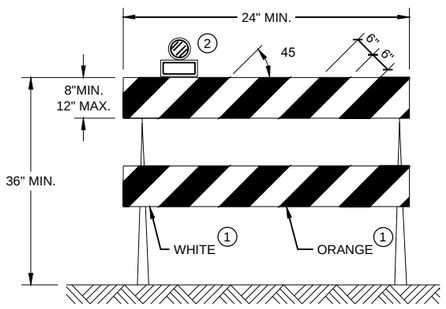

### 42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



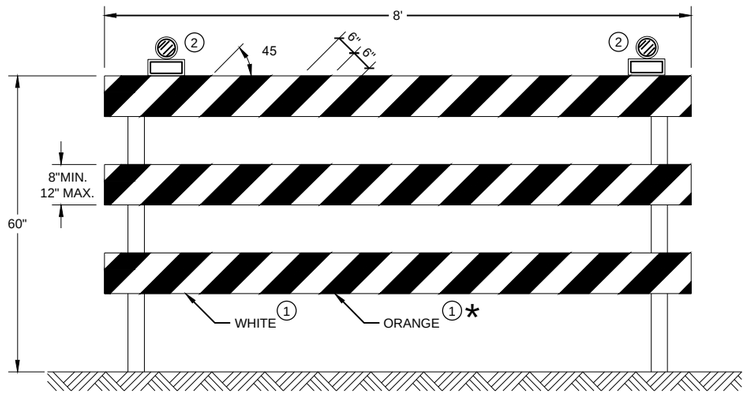

### VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.




### TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.




### TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA



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SDD 15C11 - 07b

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SDD 15C11 - 07b

## 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 OR QUEUE.

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.

(1) 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.

(2) 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.

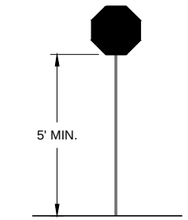
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

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.



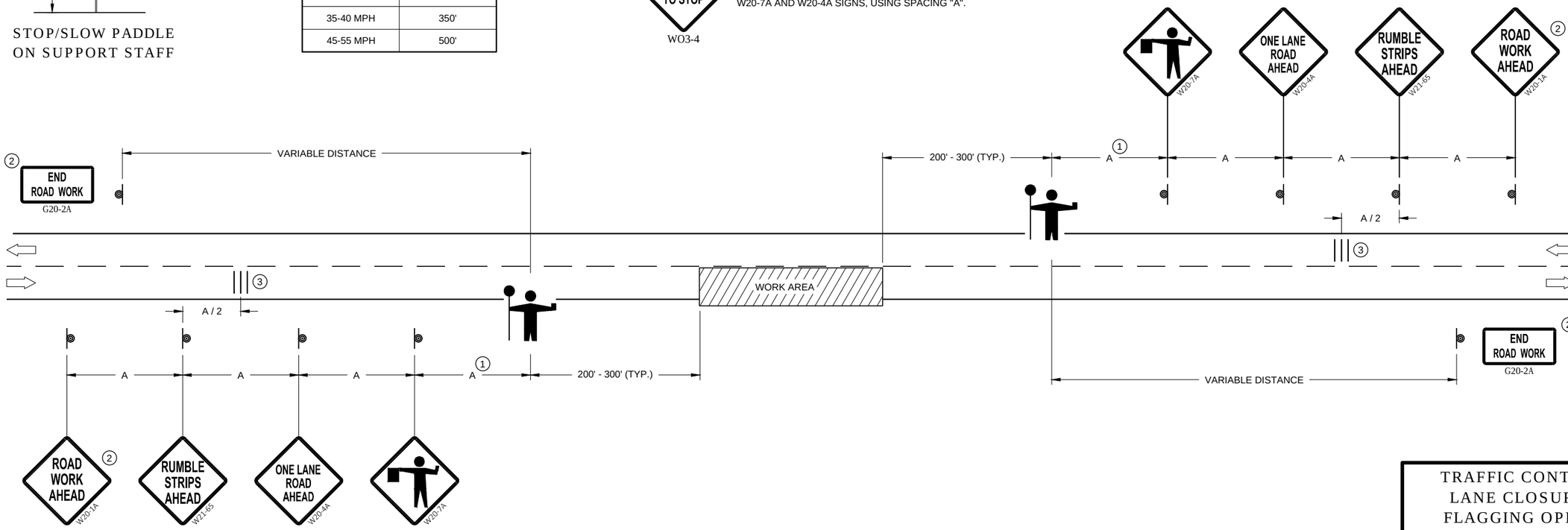

STOP/SLOW PADDLE ON SUPPORT STAFF

### 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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA



6

SDD 15C12 - 07

SDD 15C12 - 07

## LEGEND

V1 LEAD VEHICLE

V2 MARKING VEHICLE

V3 SHADOW VEHICLE

TRUCK MOUNTED ATTENUATOR (TMA)

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

FLASHING ARROW PANEL (CAUTION)

## GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL OPERATING IN CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

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

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

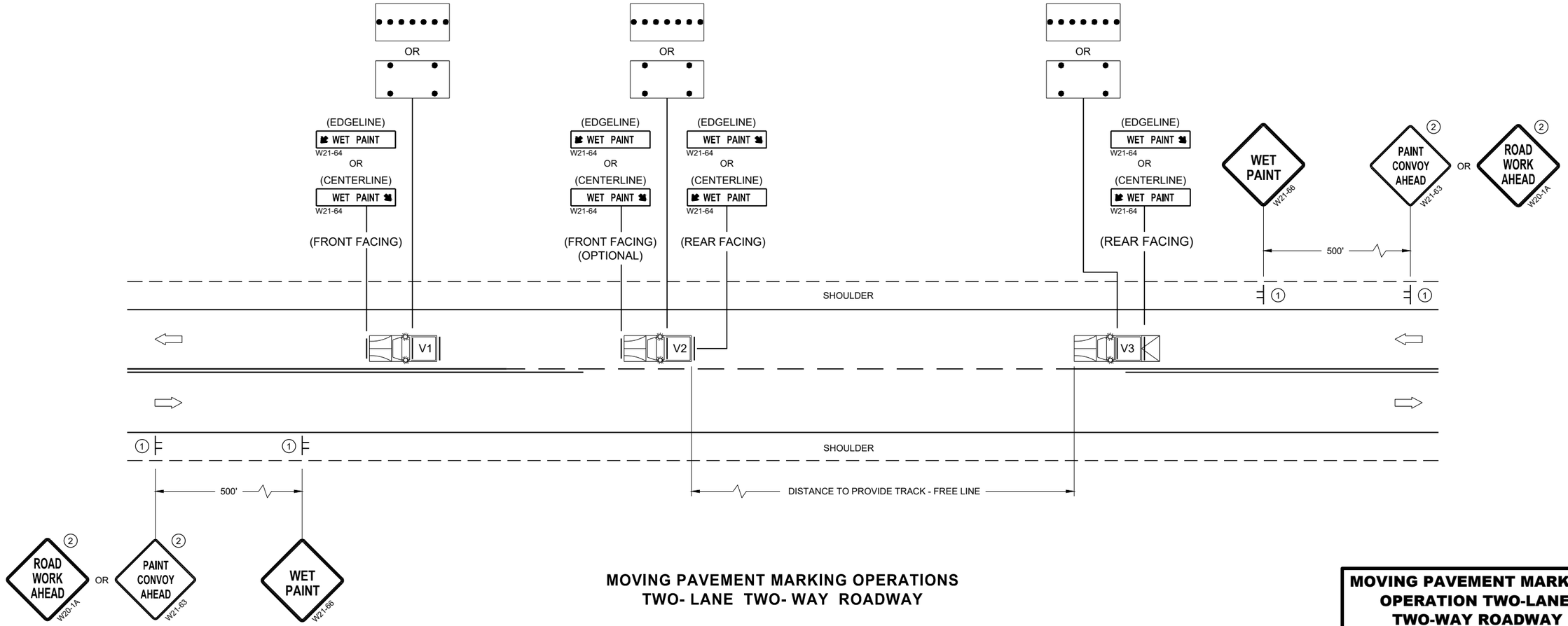
WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC.

CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

CONES SHALL BE A MINIMUM OF 18" FOR WET PAVEMENT MARKING .

(1) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.

(2) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.




## MOVING PAVEMENT MARKING OPERATIONS TWO- LANE TWO- WAY ROADWAY

| MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY | |
|---|---|
| STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION | |
| APPROVED | |
| N e ber 201 (DATE) | /S/ Andrew Heidtke (WORK ZONE ENGINEE) |
| FHWA | 60 |



6
SDD 15C19 - 06a

## LEGEND

V1 MARKING VEHICLE

V2 SHADOW VEHICLE

V3 TRAIL VEHICLE

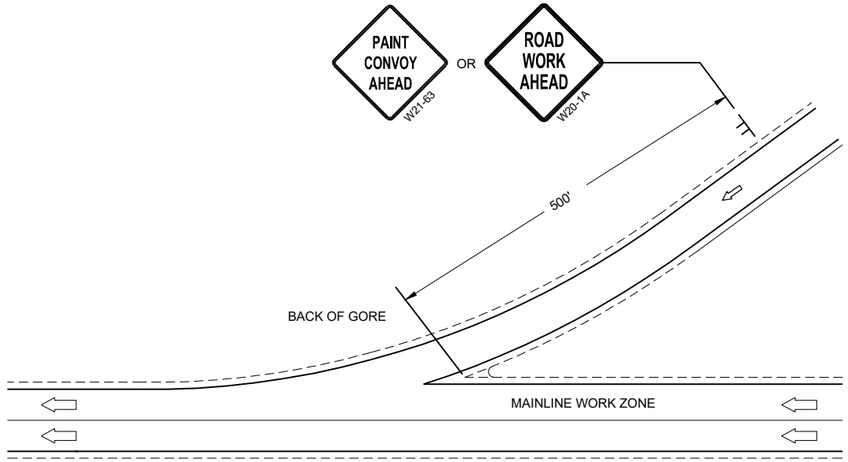
TRUCK MOUNTED ATTENUATOR (TMA)

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

FLASHING ARROW PANEL (MERGE)

FLASHING ARROW PANEL (CAUTION)




## GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

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

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

WHEN WORK ACTIVITY BLOCKS THE LEFT LANE, REVERSE TRAFFIC CONTROL.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.

IF THE SHOULDER IS TOO NARROW TO ACCOMMODATE THE LAST TRAILING VEHICLE, THE VEHICLE SHOULD STRADDLE THE EDGE LINE.

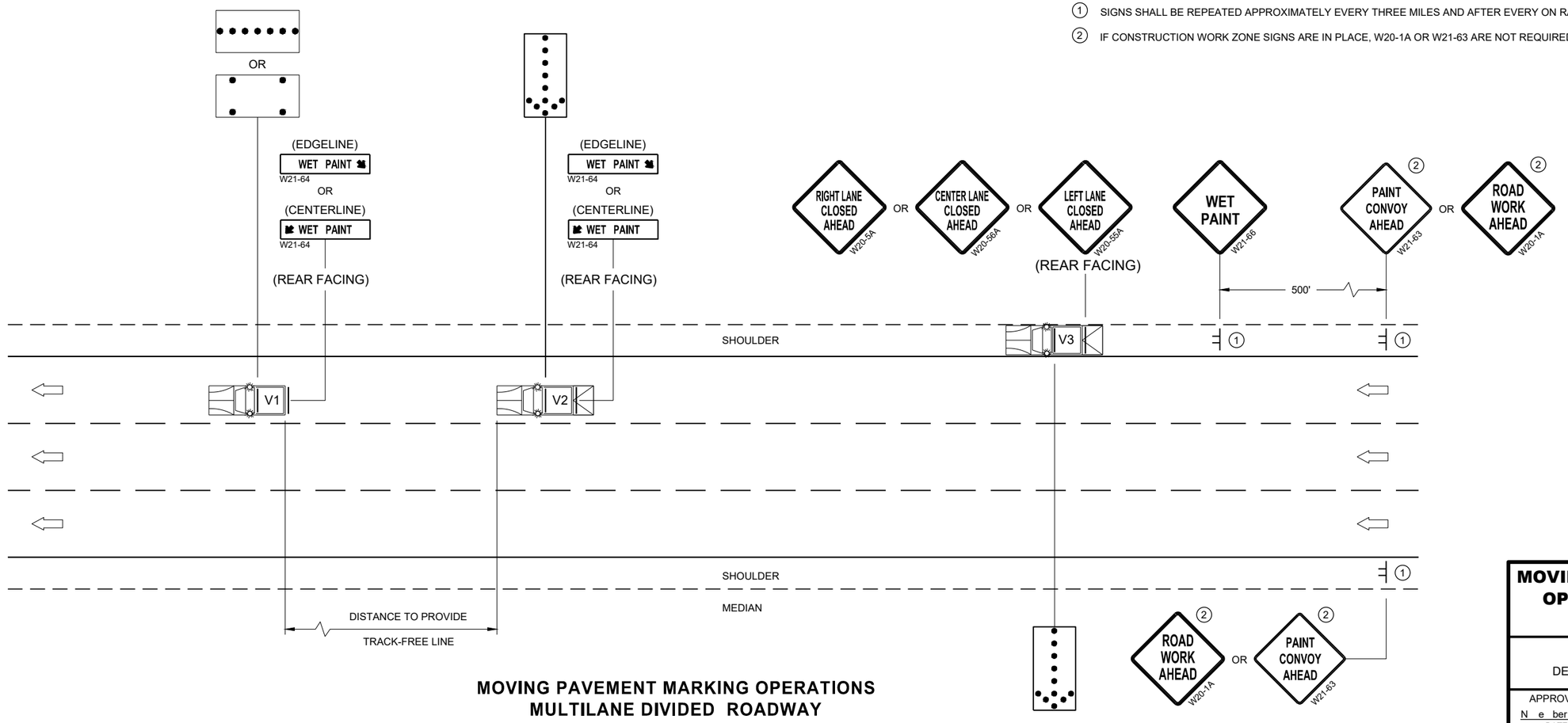
WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC

CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

CONES SHALL BE A MINIMUM HEIGHT OF 18" FOR WET PAVEMENT MARKINGS

(1) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES AND AFTER EVERY ON RAMP.

(2) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.




**MOVING PAVEMENT MARKING OPERATIONS**
**MULTILANE DIVIDED ROADWAY**

**MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
N e ber 201
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA



6

SDD 15C19 - 06c

6

SDD 15C19 - 06c

## GENERAL NOTES

SIGNING AND MARKING IS SHOWN AS TYPICAL PLACEMENT. FIELD CONDITIONS MAY DICTATE CHANGES IN SIGNING AND MARKING PLACEMENT.

(1) USED ONLY WHEN APPROVED BY REGION TRAFFIC ENGINEER.

SIGNS MAY BE OMITTED IF SPACE DOES NOT PERMIT PLACEMENT.

IF POSTED SPEED IS 45 MPH OR GREATER, PLACE W5-54 SIGN UNDER R4-7 SIGN. MOUNT W5-54 SIGN AT 4' MOUNTING HEIGHT (TOP OF ROADWAY TO BOTTOM OF SIGN).

## LEGEND

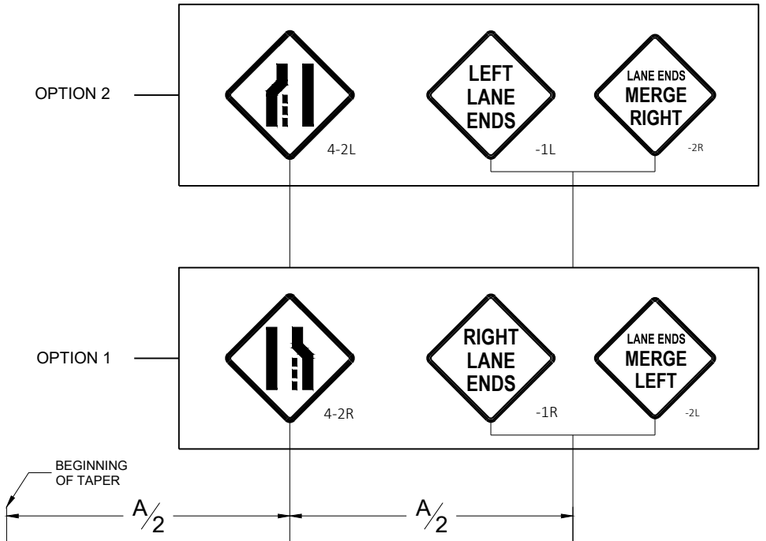
A DISTANCE DEPENDENT ON SPEED (SEE TABLE)

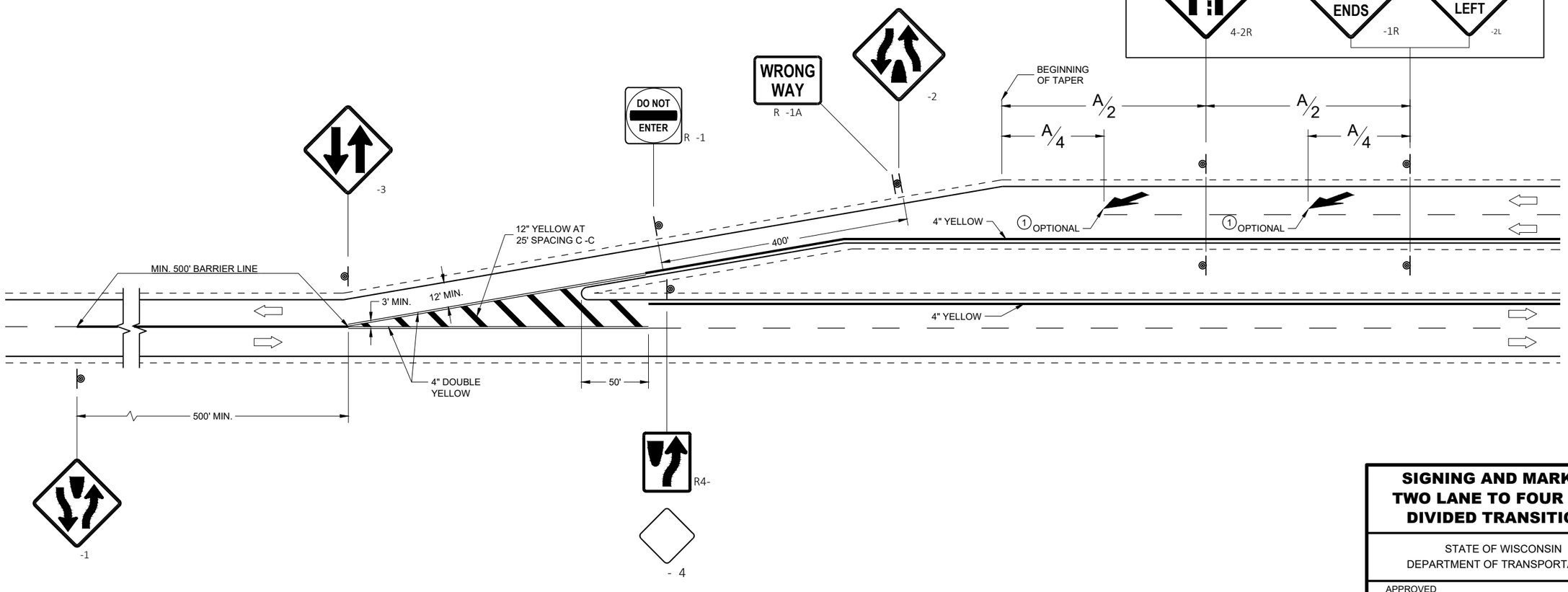
SIGN MOUNTED ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

### DISTANCE TABLE

| POSTED OR 85TH PERCENTILE SPEED | DISTANCE "A" |
|---|---|
| 25 | 325' |
| 30 | 460' |
| 35 | 565' |
| 40 | 670' |
| 45 | 775' |
| 50 | 885' |
| 55 | 0' |
| 65 | 1200' |
| 70 | 1250' |




## SIGNING AND MARKING TWO LANE TO FOUR LANE DIVIDED TRANSITIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020 — DATE
/S/ Matt ew Rau — STATE SIGNING AND MAR ENGINEER
FHWA



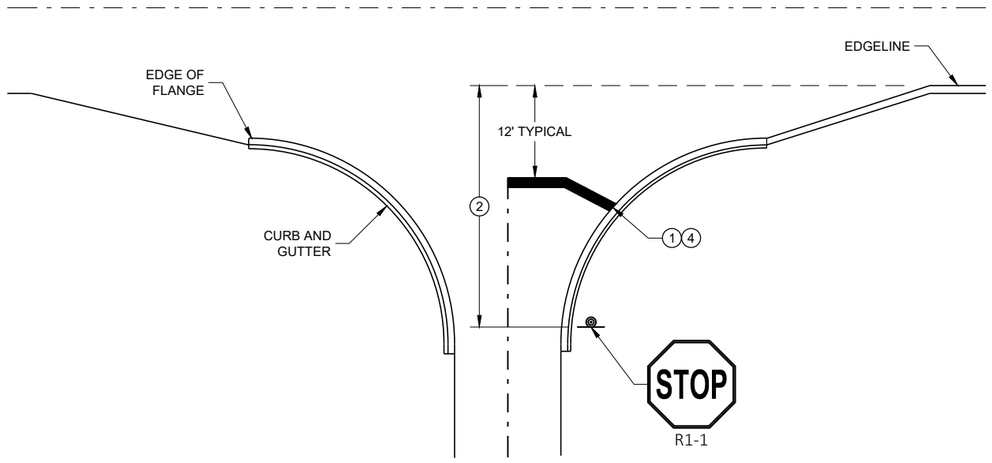
6

SDD 15C21 - 10

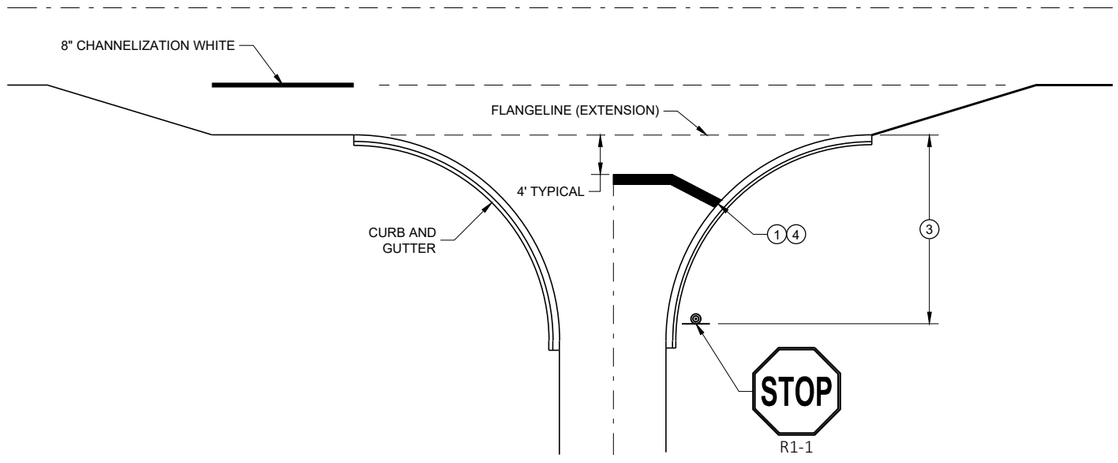
## GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

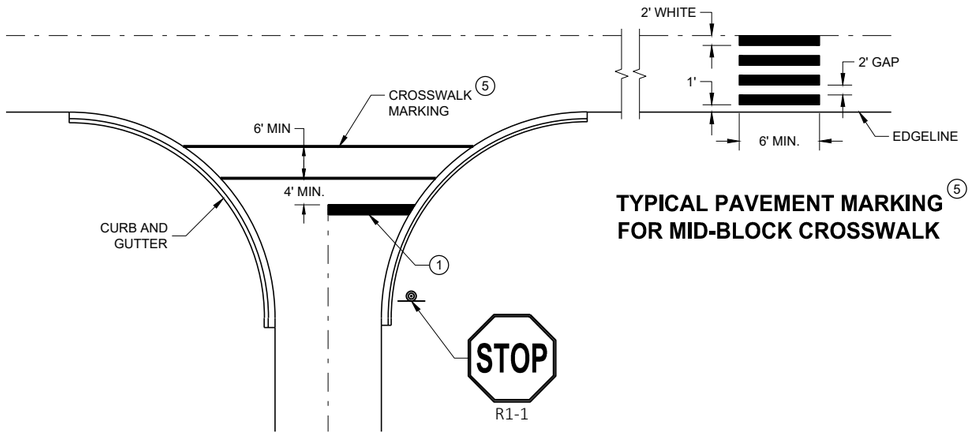
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES INSTEAD.




**TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER**

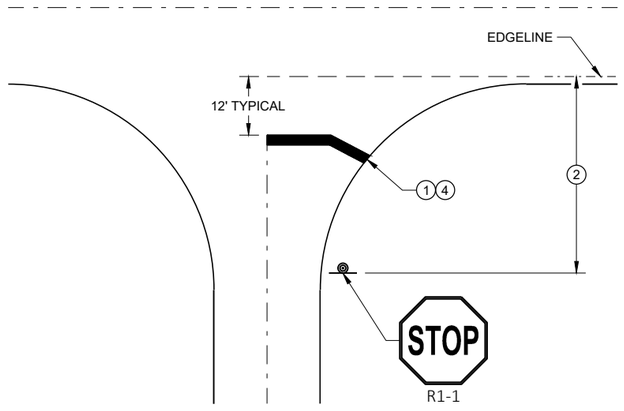



**TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE**




**TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK** 5

**TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING**




**TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER**

**STOP LINE AND CROSSWALK PAVEMENT MARKING**

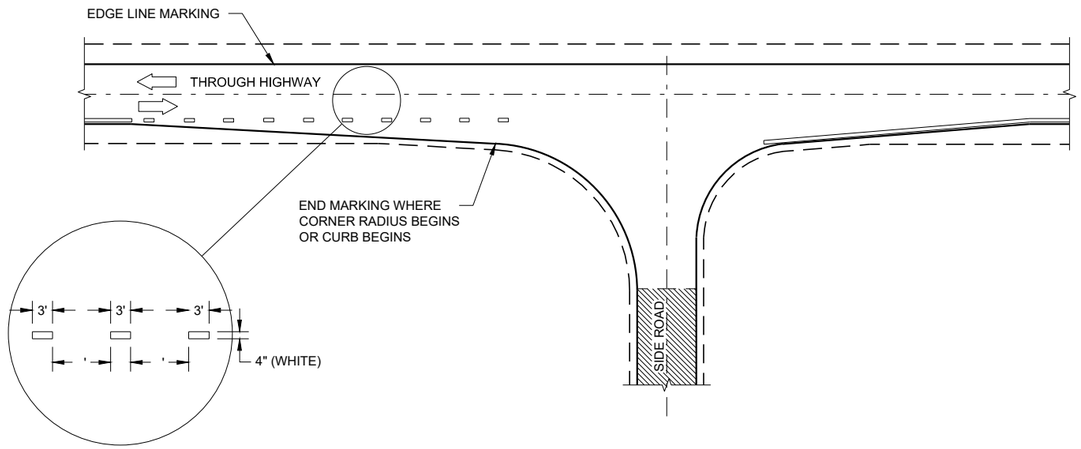
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
N e ber 201 — DATE
/S/ Matt ew Rau — STATE SIGNING AND MAF ENGINEER
FHWA



SDD 15C33 - 04

SDD 15C33 - 04




**MINOR INTERSECTION**

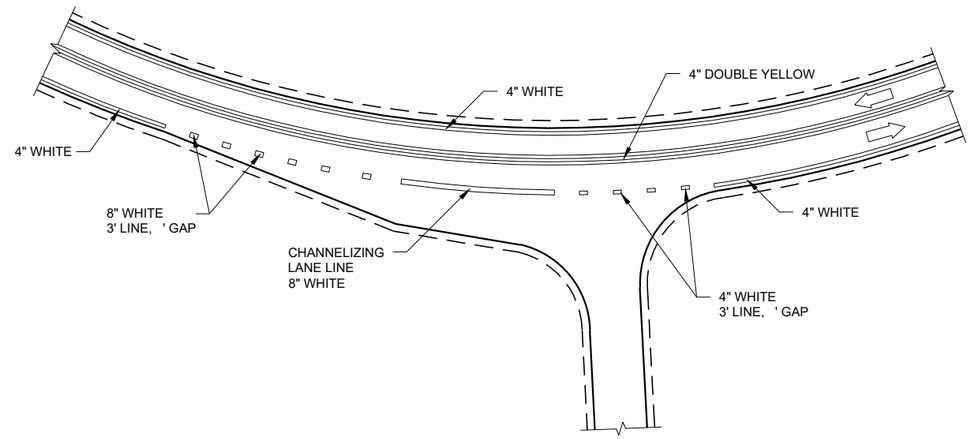
## GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

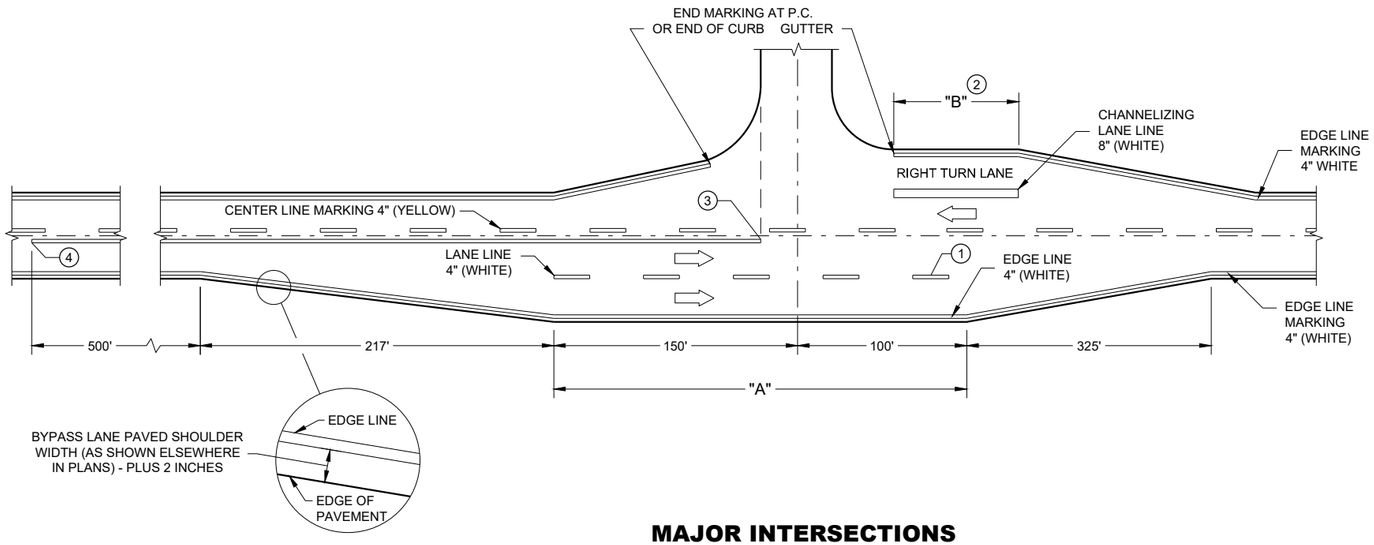
1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

## LEGEND

DIRECTION OF TRAVEL




**INTERSECTION ON OUTSIDE OF CURVE**




**MAJOR INTERSECTIONS**

**(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)**

**PAVEMENT MARKING (INTERSECTIONS)**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



6

SDD 15C35 - 04a

6

SDD 15C35 - 04a

## LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- WORK AREA

## GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT SHOULDER. FOR CLOSING THE LEFT SHOULDER, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR DIVIDED ROADWAYS WITH ANY NUMBER OF TRAVEL LANES.

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

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

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

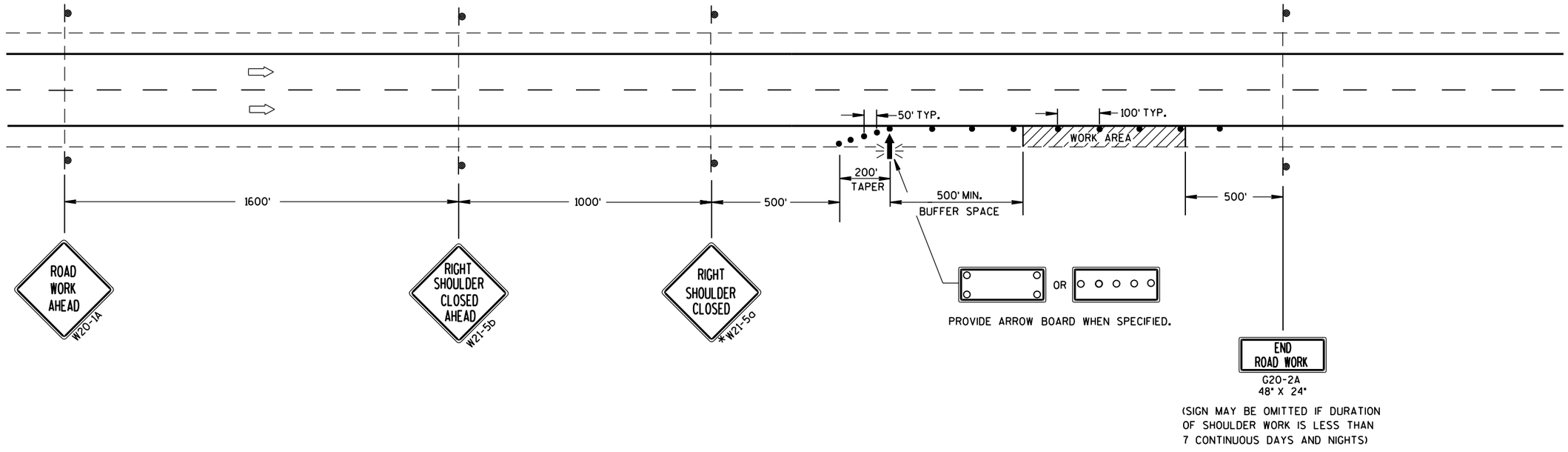
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WHEN A 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.

*FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR, THE W21-5a SIGN MAY BE OMITTED.




# TRAFFIC CONTROL SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2016 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO[illegible] SAFETY ENGI[illegible]

FHWA




6


S.D.D. 15 D 27-3

## LEGEND

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

DIRECTION OF TRAFFIC

WORK ZONE

## GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

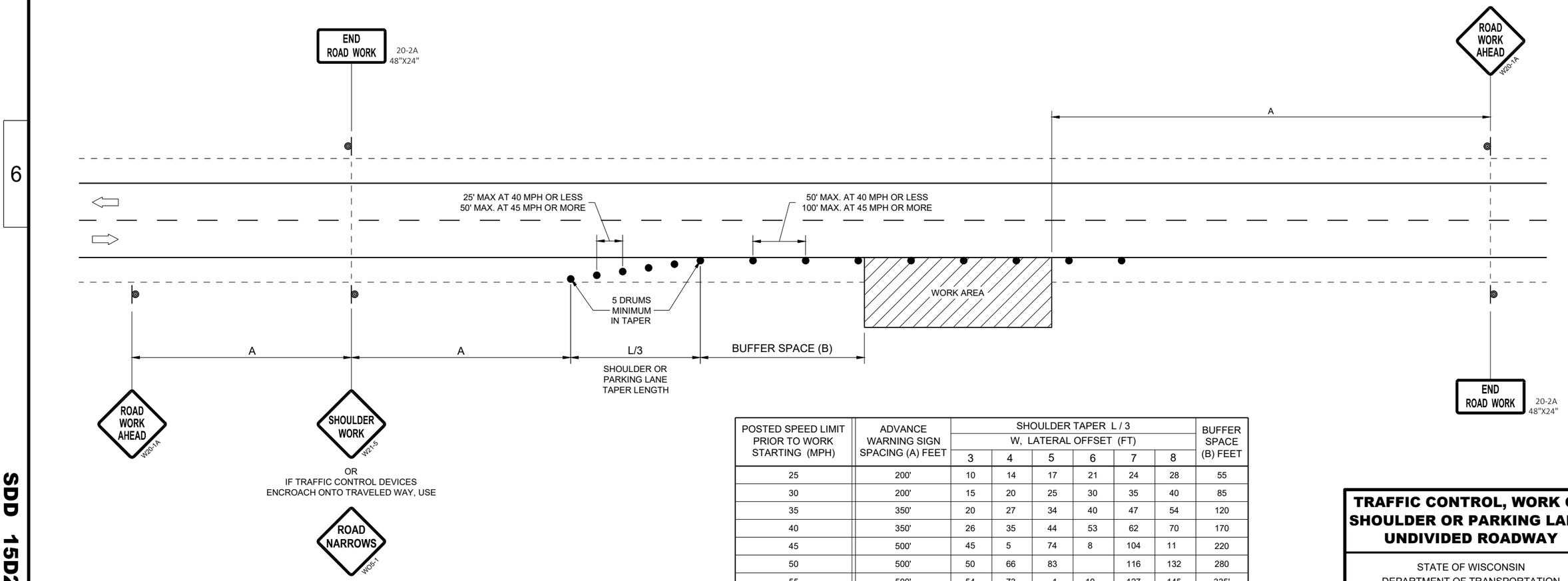
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.




| POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH) | ADVANCE WARNING SIGN SPACING (A) FEET | SHOULDER TAPER L / 3 W, LATERAL OFFSET (FT) | | | | | | BUFFER SPACE (B) FEET |
|---|---|---|---|---|---|---|---|---|
| | | 3 | 4 | 5 | 6 | 7 | 8 | |
| 25 | 200' | 10 | 14 | 17 | 21 | 24 | 28 | 55 |
| 30 | 200' | 15 | 20 | 25 | 30 | 35 | 40 | 85 |
| 35 | 350' | 20 | 27 | 34 | 40 | 47 | 54 | 120 |
| 40 | 350' | 26 | 35 | 44 | 53 | 62 | 70 | 170 |
| 45 | 500' | 45 | 5 | 74 | 8 | 104 | 11 | 220 |
| 50 | 500' | 50 | 66 | 83 | | 116 | 132 | 280 |
| 55 | 500' | 54 | 73 | 1 | 10 | 127 | 145 | 335' |

# TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE

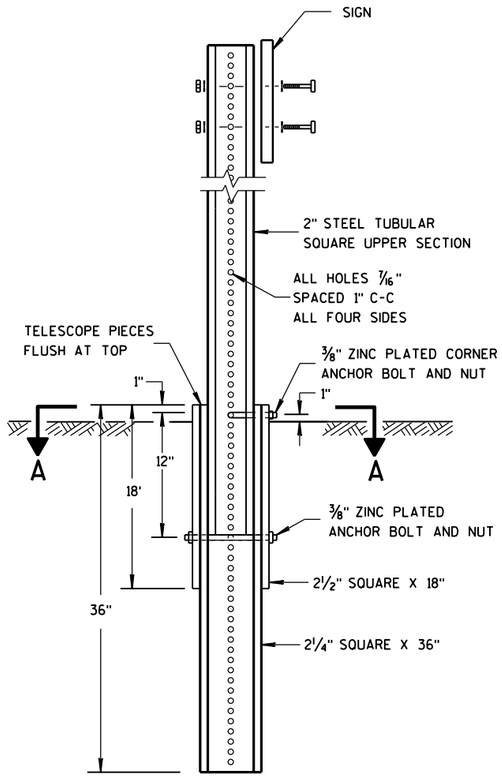
/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

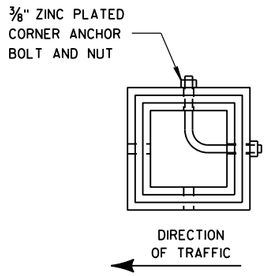


SDD 15D28 - 04

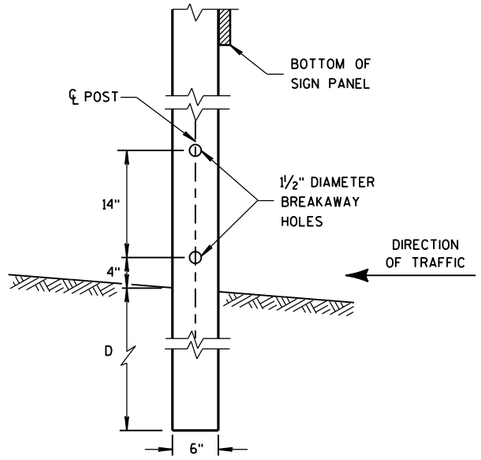
SDD 15D28 - 04




## DETAIL OF TUBULAR STEEL SIGN POST




## SECTION A-A



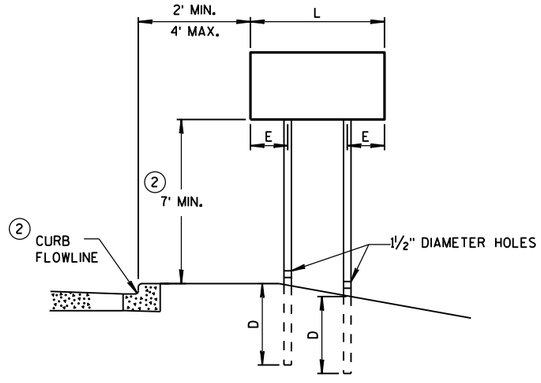

## 4"x6" WOOD POST MODIFICATION

## GENERAL NOTES

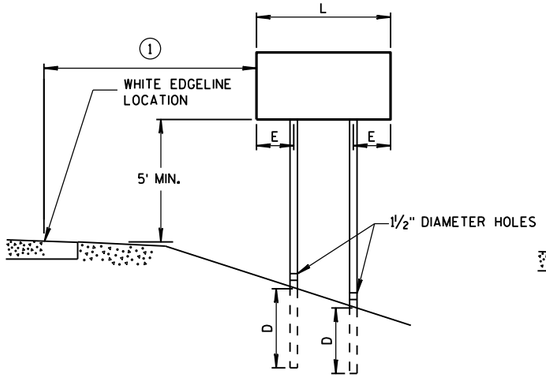
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

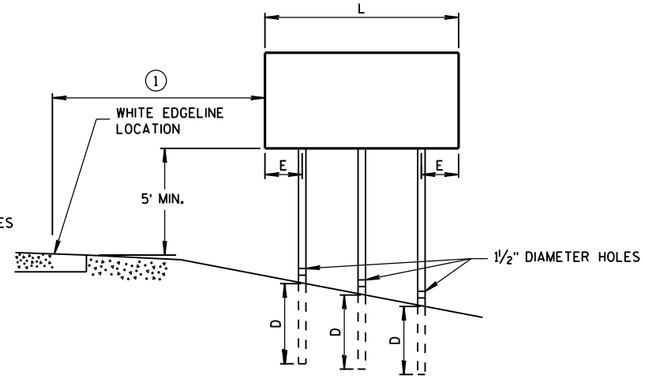
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

(3) FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.




URBAN AREA




RURAL AREA

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

**TUBULAR STEEL POSTS**

| AREA OF SIGN INSTALLATION (SQ. 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 SQ. FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

**WOOD POST EMBEDMENT DEPTH**

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

**4" X 6" WOOD POST**

| POST SPACING REQUIREMENTS | | NUMBER OF WOOD POSTS REQUIRED |
|---|---|---|
| L | E | |
| 48" OR LESS AND LESS THAN 20 SQ. 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)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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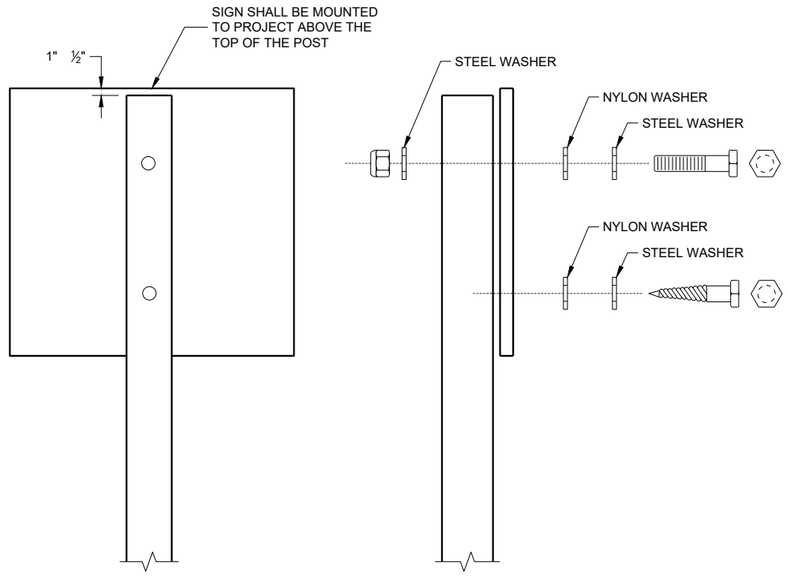
S.D.D. 15 D 38-2a




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.

WOOD POST (4" 6")
LAG SCREWS - ⅜" 3"
MACHINE BOLTS - 5⁄16" 6 ½" OR 7" LENGTH W/NUTS

SQUARE STEEL POST (2" 2")
MACHINE BOLTS - ⅜" 3 ¼" LENGTH W/NUTS
RIVETS - ⁄32" (6605- -6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE 0.720 - 0.765 INCH, GRIP RANGE 0.042 - 0.375 INCH

WASHERS (ALL POSTS) -
1 ¼" O.D. ⅜" I.D. ⁄16" STEEL
1 ¼" O.D. ⅜" I.D. 0.080 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. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

6

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SDD 15D38 - 02b

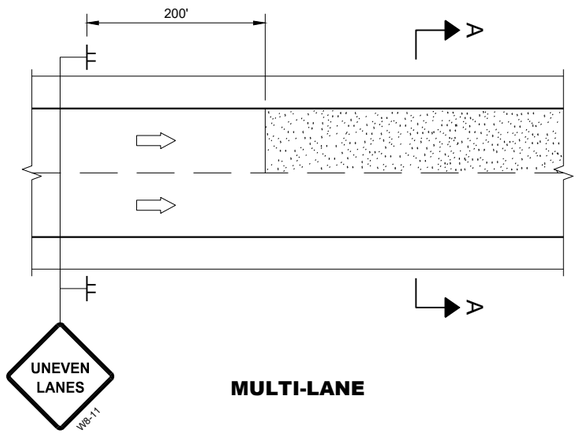
SDD 15D38 - 02b

**ATTACHMENT OF SIGNS TO POSTS**

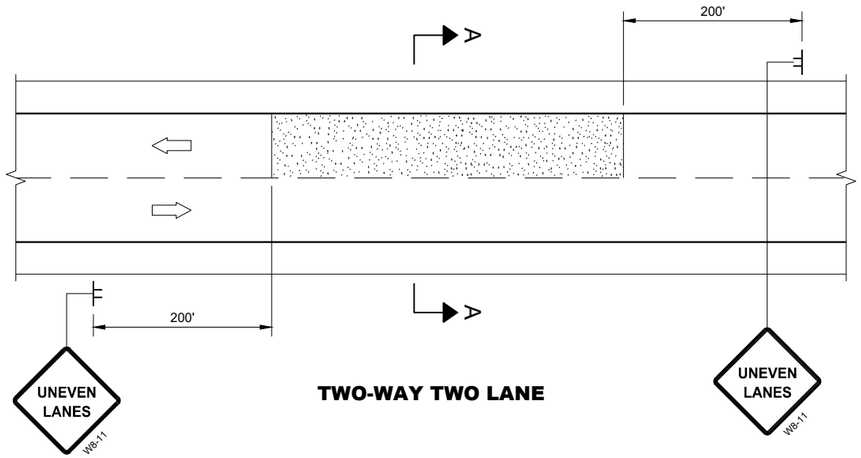
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE

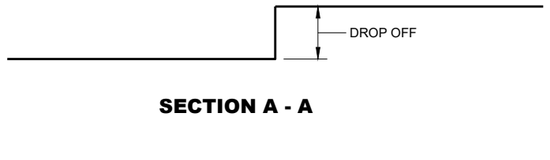
FHWA




**MULTI-LANE**

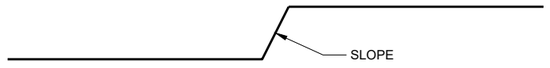



**TWO-WAY TWO LANE**

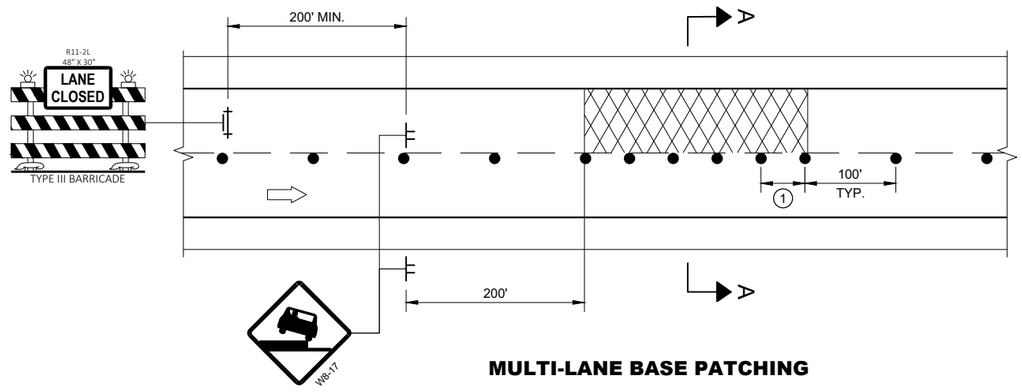



**SECTION A - A**

**OR**




**SECTION A - A**




**MULTI-LANE BASE PATCHING**

**ADJACENT LANE DROP-OFFS**

## GENERAL NOTES

FOR SPOT LOCATIONS USE ENGINEERING JUDGEMENT WHEN PLACING ADDITIONAL SIGNS.

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

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

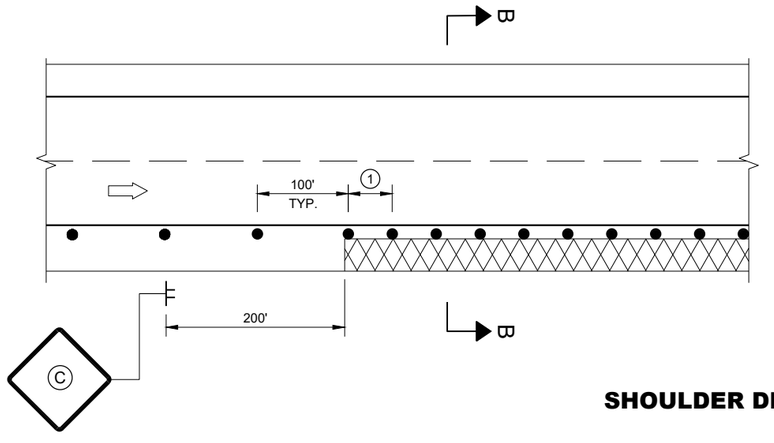
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE DROP-OFF IS CONTINUOUS ALONG THE PROJECT, PLACE ADDITIONAL SIGNS EVERY 1 MILE AND AFTER EVERY ENTRANCE RAMP.

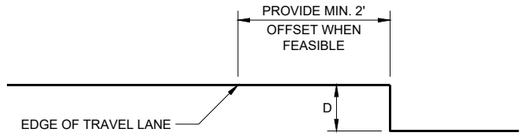
(1) USE CLOSER SPACING WHEN DELINEATING DROP-OFF.

## LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA WITH DROP-OFF
- MILLED SURFACE




**SHOULDER DROP-OFFS**




**SECTION B - B**

| D | SIGN (C) |
|---|---|
| < 2" WITH A SLOPE STEEPER THAN 3:1 | LOW SHOULDER<br>WO8- |
| 2" < 6" WITH A SLOPE STEEPER THAN 3:1 | SHOULDER DROP - OFF<br>W8- A<br>PROVIDE A 3 1 OR FLATTER SLOPE OF MATERIAL ADJACENT TO THE PAVEMENT |

**TRAFFIC CONTROL, DROP-OFF SIGNING**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Mar 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA



SDD 15D39 - 02

SDD 15D39 - 02

## GENERAL NOTES

DRAWING NOT TO SCALE. ALL SIGNS AND POSTS ON THIS SHEET SHALL BE PAID FOR WITH 'TRAFFIC CONTROL SIGNS' BID ITEM. ALL SIDE ROADS WHICH ARE UNDER CONSTRUCTION OF CURB AND GUTTER AND/OR GRADING SHALL BE ADEQUATELY SIGNED.

ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

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

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

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

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNS IN THE VICINITY, SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

SEE 15C34 FOR ADDITIONAL TRAFFIC CONTROL SIGNING WHEN CENTERLINE PAVEMENT MAKINGS ARE MISSING. 'DO NOT PASS' SIGNS MUST BE INSTALLED ON THE SAME DAY AS MILLING OPERATIONS.

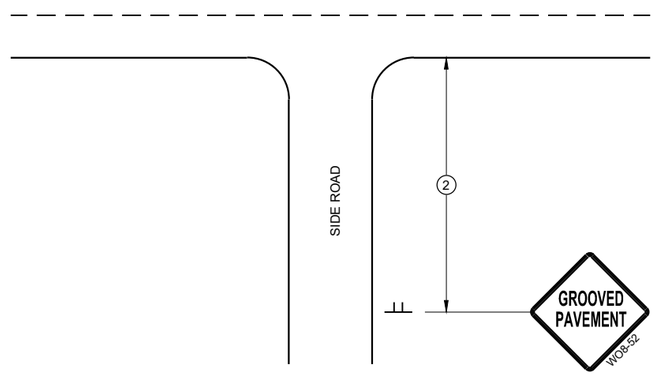
(1) PLACE SIGNS 350' IN ADVANCE OF MILLED SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

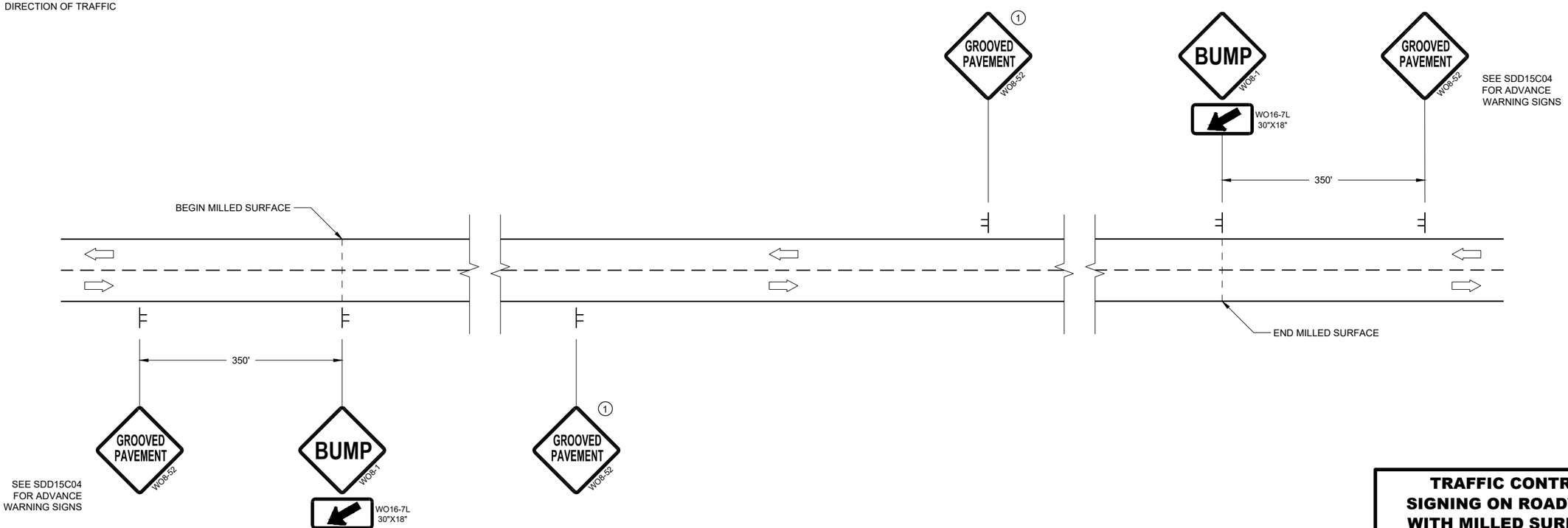
## LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC




**TYPICAL SIDE ROAD APPROACH SIGN DETAIL**




**DETAIL FOR SIGNING ON MILLED SURFACES**

**TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA





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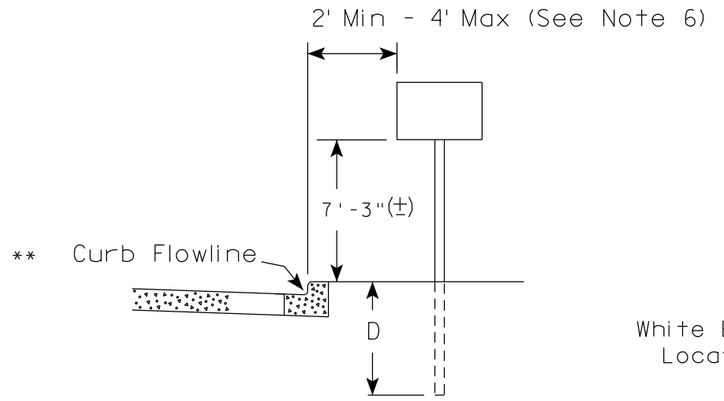
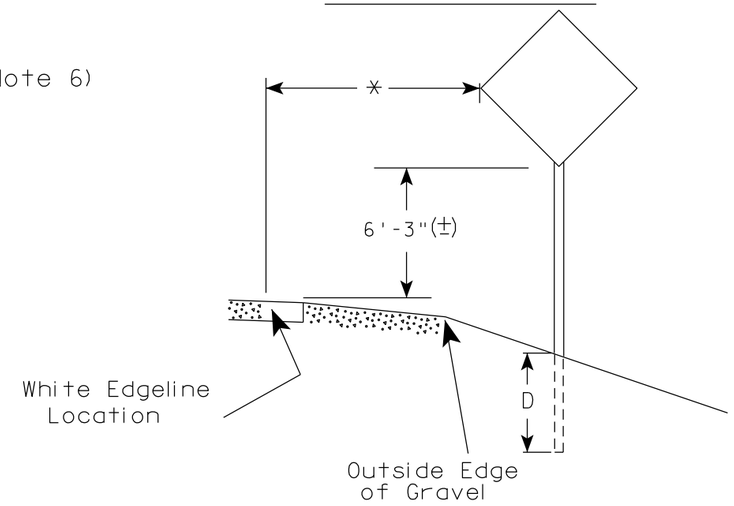
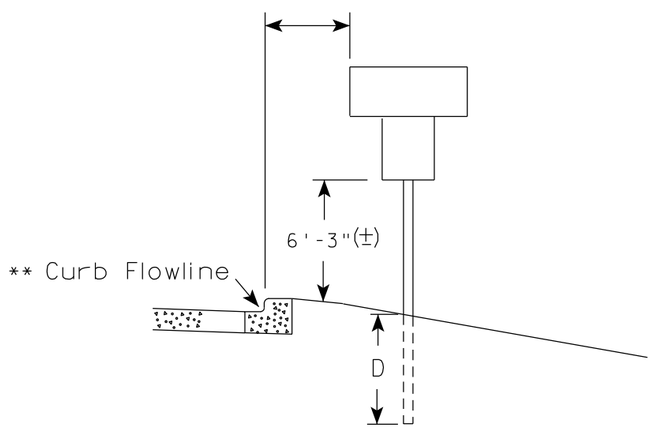
SDD 15D44 - 02

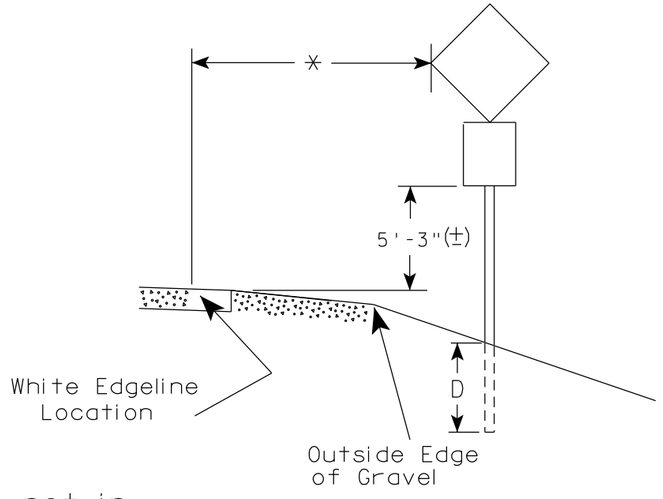
## URBAN AREA




## RURAL AREA (See Note 2)




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

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

### POST EMBEDMENT DEPTH

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

### GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±). 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" (±).
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
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" (±) or as directd by the Engineer.

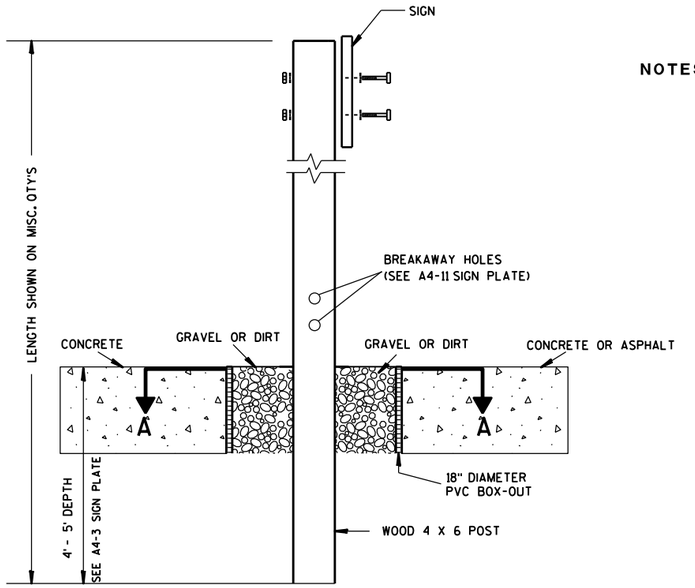
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

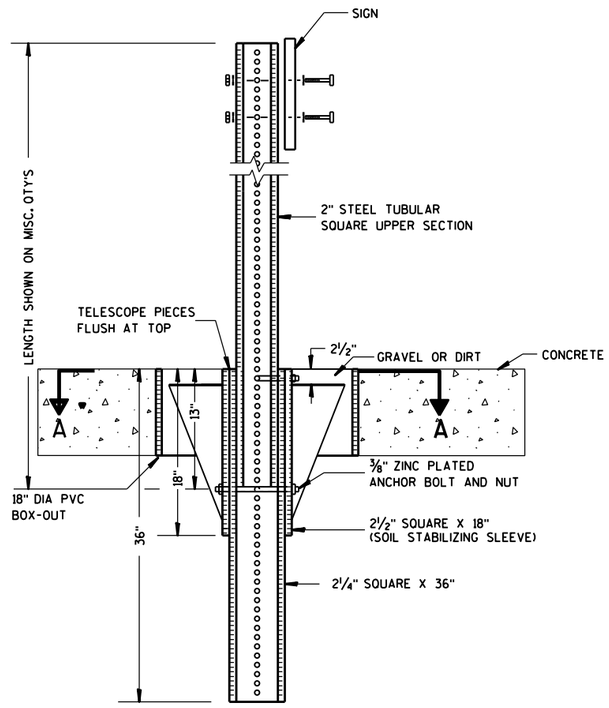
| PROJECT NO: | HWY: | COUNTY: | | SHEET NO: 71 | E |
|---|---|---|---|---|---|




**ELEVATION VIEW**

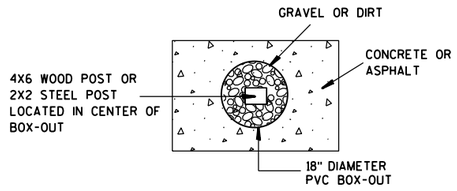
**DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT**

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**




**PLAN VIEW**

**FOR NEW CONCRETE/ASPHALT INSTALLATIONS**

# SIGN POST BOX-OUTS A4-3B

*WISCONSIN DEPT OF TRANSPORTATION*

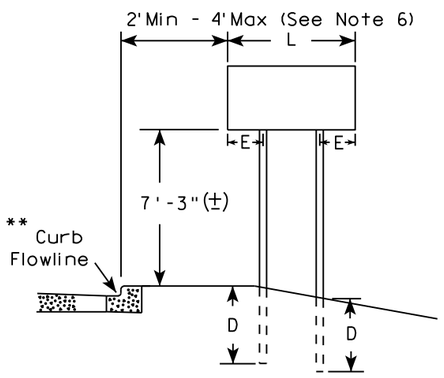
APPROVED Matthew R Rauch
for State Traffic Engineer

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

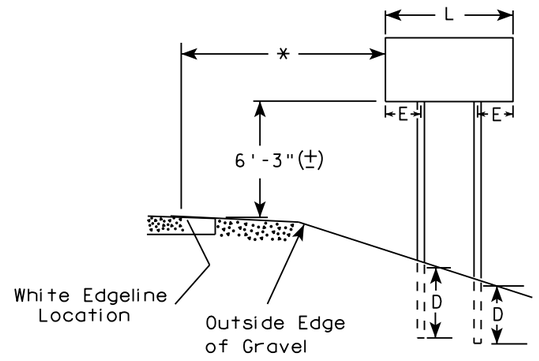


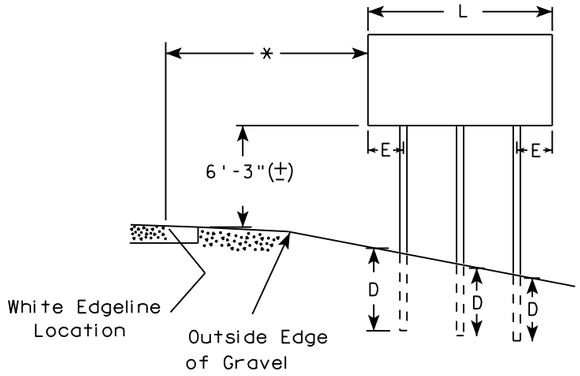
| PROJECT NO: | HWY: | COUNTY: | | SHEET NO: | E |
|---|---|---|---|---|---|

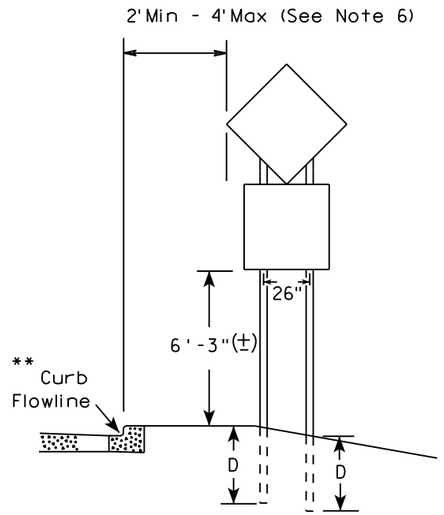
## URBAN AREA



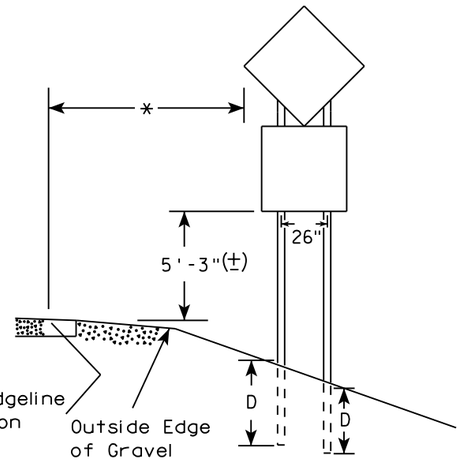

## RURAL AREA (See Note 3)




48" DIAMOND WARNING SIGN




48" DIAMOND WARNING SIGN

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

| SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED) | |
|---|---|
| L | E |
| Greater than 108" to 144" | 12" |

### GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) 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

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

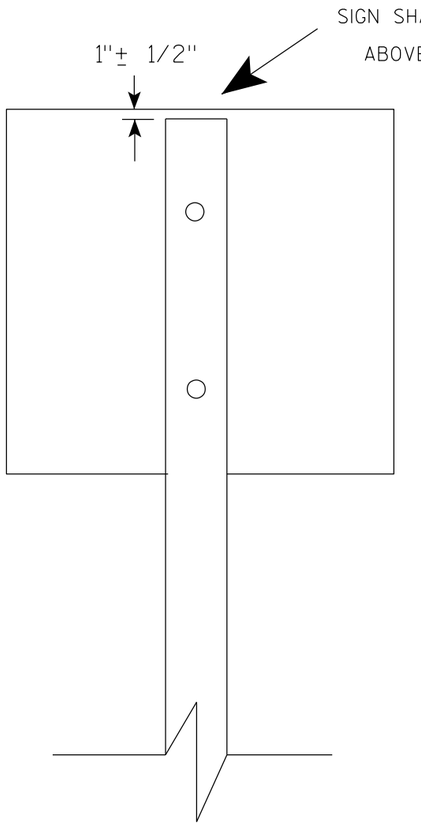
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

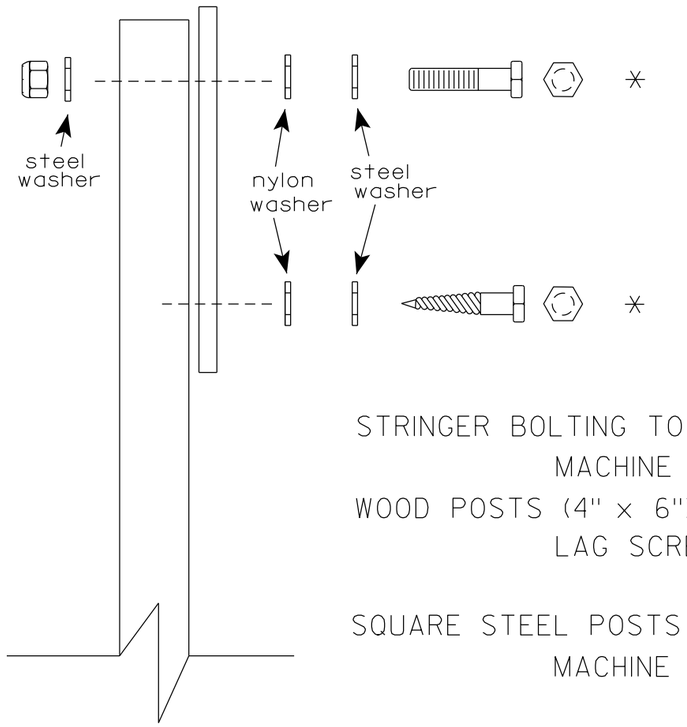
*WISCONSIN DEPT OF TRANSPORTATION*

APPROVED Matthew R Rauch
*for* State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

| PROJECT NO: | HWY: | COUNTY: | | SHEET NO: 73 | E |
|---|---|---|---|---|---|




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 - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 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 - 9/32" (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 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 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

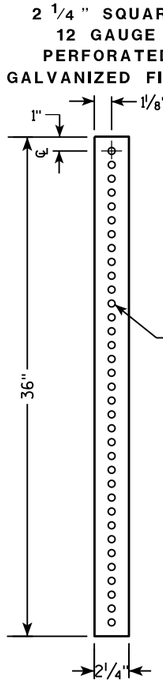
*WISCONSIN DEPT OF TRANSPORTATION*

APPROVED Matthew R Rauch
for State Traffic Engineer

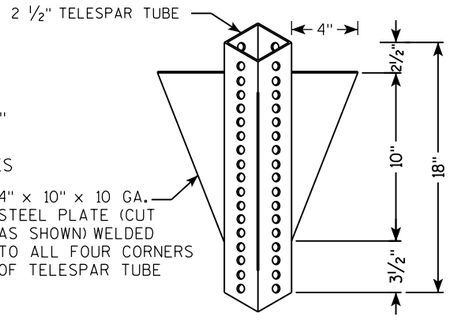
DATE 4/1/2020 PLATE NO. A4-8.9

## TELESCOPIC TUBING ANCHORS
## TWO PIECE SYSTEM

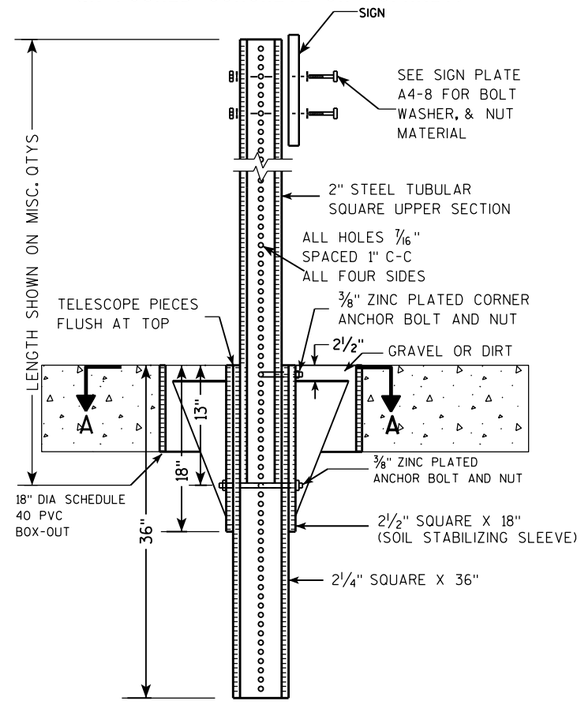
**2 1/4 " SQUARE**
**12 GAUGE**
**PERFORATED**
**GALVANIZED FINISH**



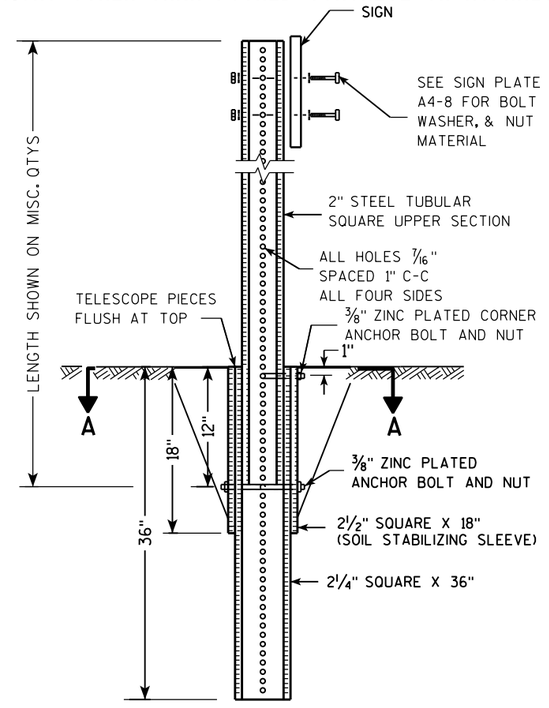

**2 1/2 " SQUARE**
**12 GAUGE**
**OMNI-DIRECTIONAL**
**PERFORATED**
**SOIL STABILIZING SLEEVE**
**GALVANIZED FINISH**

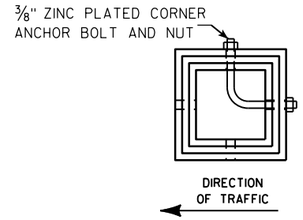



## DETAIL OF TUBULAR STEEL SIGN POST
**(IN POURED CONCRETE OR ASPHALT)**




## DETAIL OF TUBULAR STEEL SIGN POST
**(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)**




**SECTION A-A**

| Area of Sign Installation (Sq. Ft.) | Number of Required 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 sq. ft shall be mounted on multiple posts (see above table).**

TUBULAR STEEL
SIGN POST
A4-9

*WISCONSIN DEPT OF TRANSPORTATION*

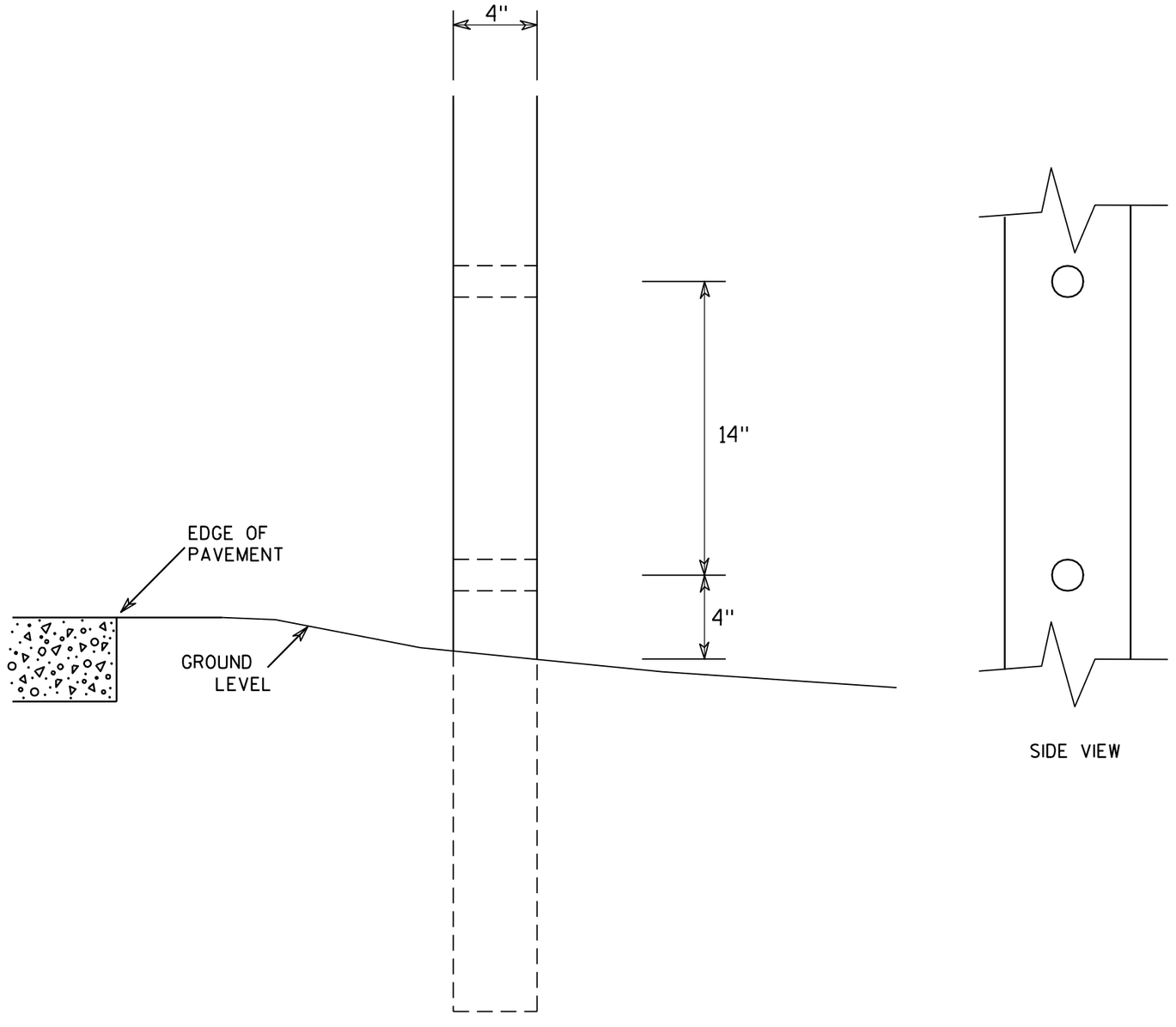
APPROVED Matthew R Rauch
*for* State Traffic Engineer

DATE 2/05/15 PLATE 75 A4-9.9

| PROJECT NO: | HWY: | COUNTY: | | SHEET NO: | E |
|---|---|---|---|---|---|

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

WISDOT/CADDS SHEET 42






SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

# 4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

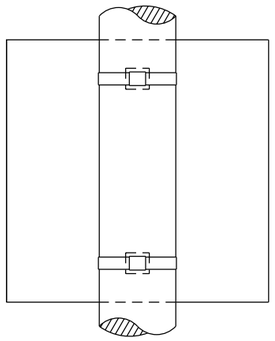
APPROVED Chester J Spang for State Traffic Engineer

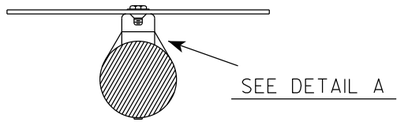
DATE 3/27/97 PLATE NO. A4-11.2

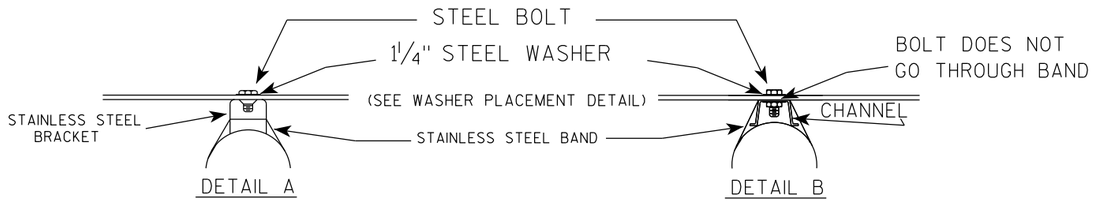
| PROJECT NO: | HWY: | COUNTY: | | SHEET NO: 76 | E |
|---|---|---|---|---|---|

# BANDING

SINGLE SIGN



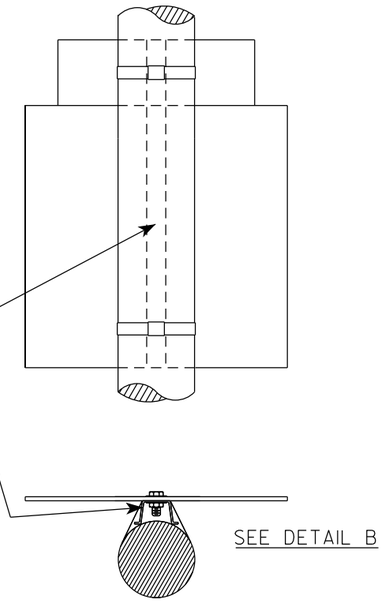


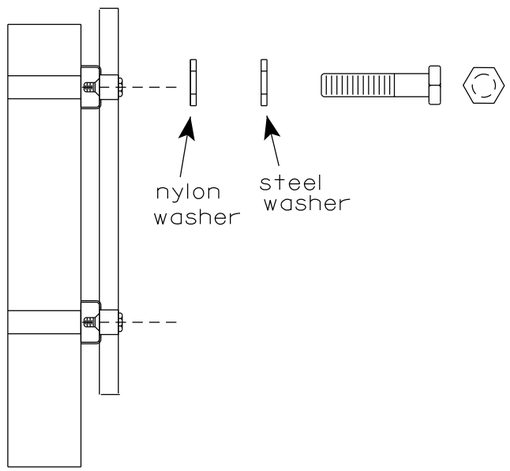

## GENERAL NOTES

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 ¾" 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




WASHER PLACEMENT




WASHERS (ALL POSTS) -
1-1/4" O.D. X ⅜" I.D. X 1/16" STEEL
1-1/4" O.D. X ⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

*WISCONSIN DEPT OF TRANSPORTATION*

APPROVED Matthew R Rauch
for State Traffic Engineer

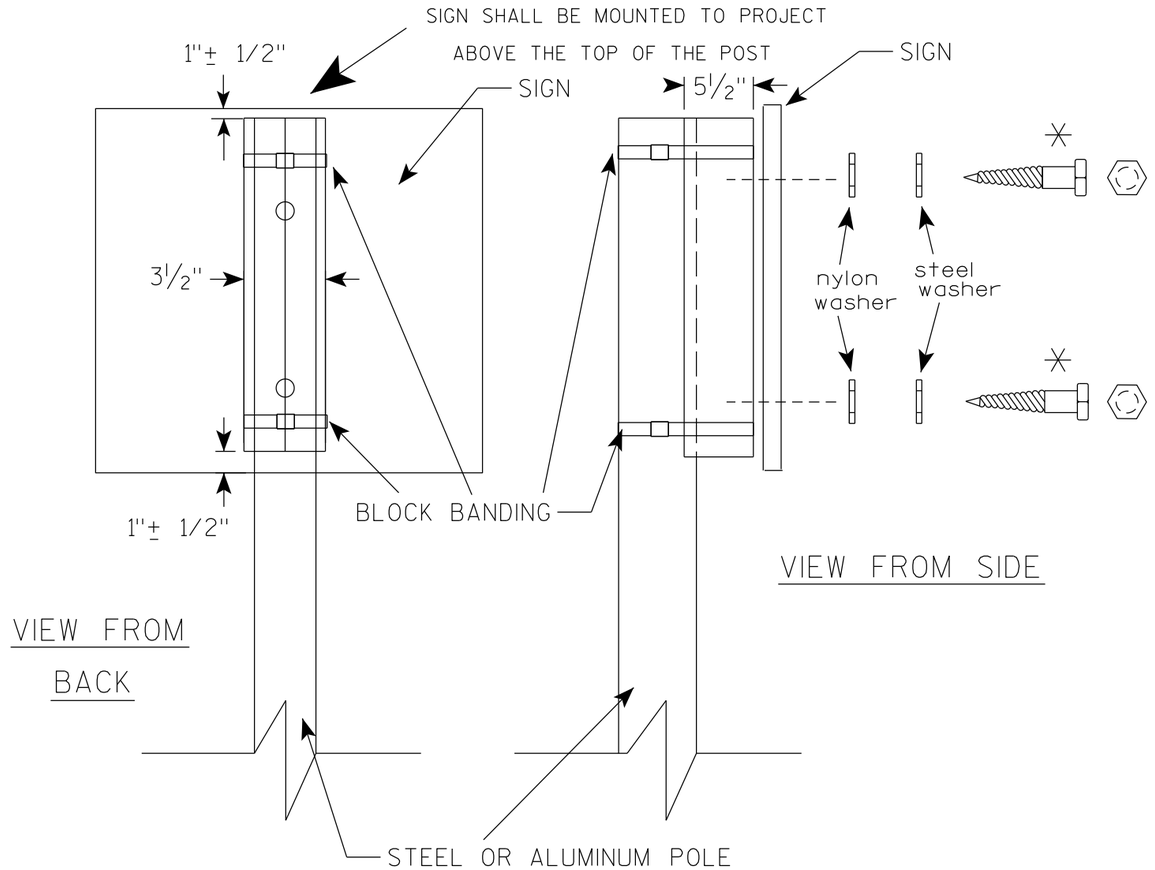
DATE 6/10/19 PLATE NO. A5-9.4

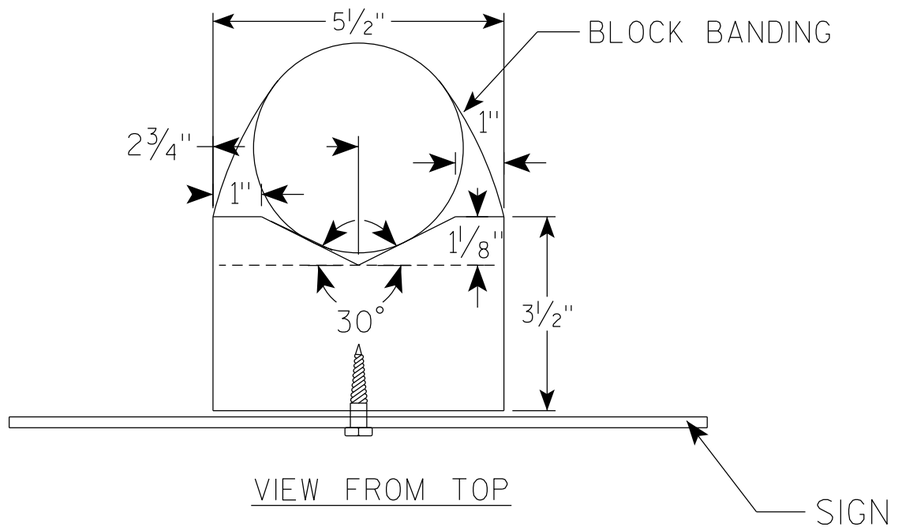
| PROJECT NO: | HWY: | COUNTY: | | SHEET NO: 77 | E |
|---|---|---|---|---|---|

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7




## 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, ¾" 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 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

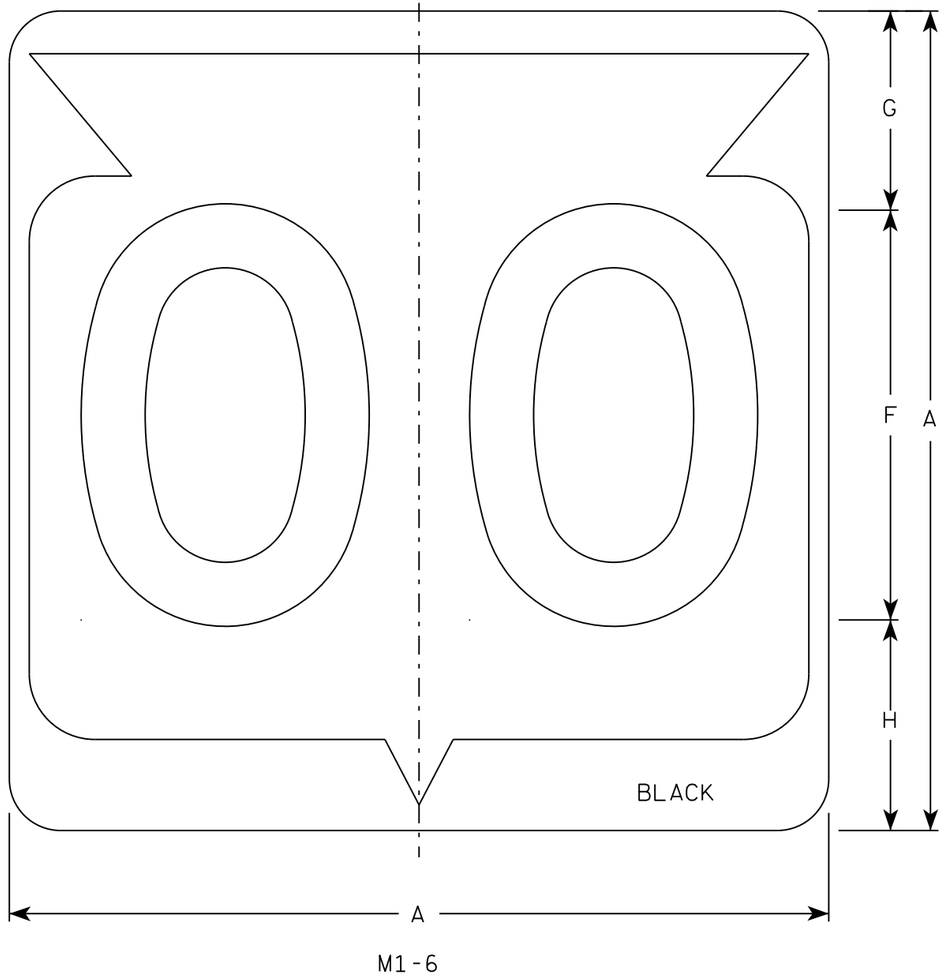
# BLOCK BANDING DETAIL ( V-BLOCK OPTION )

*WISCONSIN DEPT OF TRANSPORTATION*

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 6/10/19 PLATE NO. A5-10.2

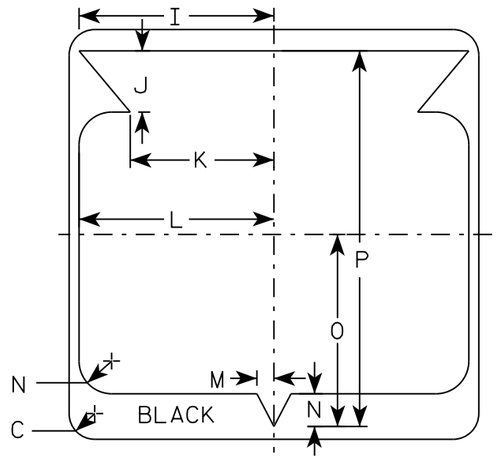
| PROJECT NO: | | | | SHEET NO: 78 | E |
|---|---|---|---|---|---|




M1-6

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs 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 | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | Area sq. ft. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 24 | | 1 1/2 | | | 12 | 5 1/2 | 6 1/2 | 10 1/4 | 2 1/2 | 8 7/8 | 11 1/2 | 1 | 1 7/8 | 11 1/4 | 21 7/8 | | | | | | | | | | | 4.0 |
| 3 | 36 | | 2 1/4 | | | 18 | 8 3/4 | 9 1/4 | 15 3/8 | 5 3/8 | 12 5/8 | 17 1/8 | 1 1/2 | 2 7/8 | 16 7/8 | 33 | | | | | | | | | | | 9.0 |
| 4 | 36 | | 2 1/4 | | | 18 | 8 3/4 | 9 1/4 | 15 3/8 | 5 3/8 | 12 5/8 | 17 1/8 | 1 1/2 | 2 7/8 | 16 7/8 | 33 | | | | | | | | | | | 9.0 |
| 5 | 36 | | 2 1/4 | | | 18 | 8 3/4 | 9 1/4 | 15 3/8 | 5 3/8 | 12 5/8 | 17 1/8 | 1 1/2 | 2 7/8 | 16 7/8 | 33 | | | | | | | | | | | 9.0 |

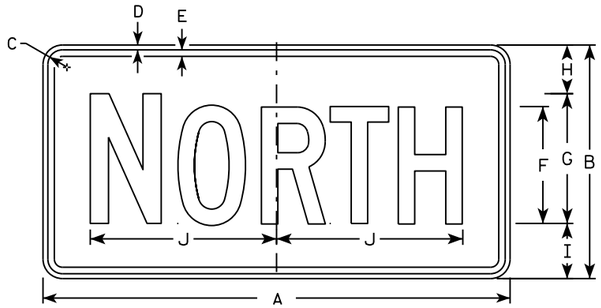
# STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

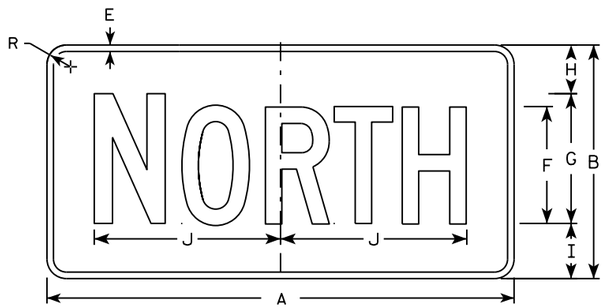
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-6.10

| PROJECT NO: | HWY: | COUNTY: | | SHEET NO: 79 | E |
|---|---|---|---|---|---|



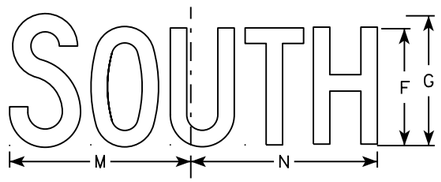

M3-1
MM3-1
MP3-1



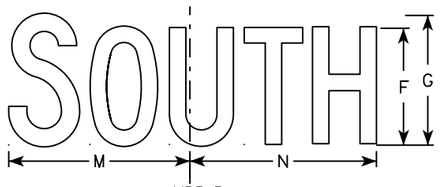

MB3-1
MK3-1
MN3-1


M3-2
MM3-2
MP3-2

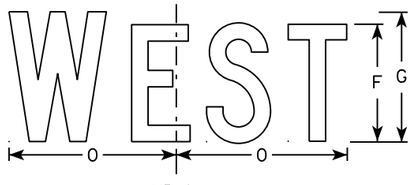

MB3-2
MK3-2
MN3-2



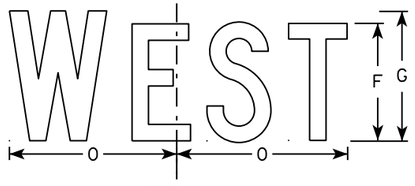

M3-3
MM3-3
MP3-3




MB3-3
MK3-3
MN3-3




M3-4
MM3-4
MP3-4




MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
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.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

| SIZE | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | Area sq. ft. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 24 | 12 | 1 1/8 | 3/8 | 3/8 | 6 | 7 | 2 1/4 | 2 3/4 | 10 1/4 | 7 7/8 | 8 3/8 | 10 1/4 | 9 3/4 | 8 3/4 | | | 1 1/2 | | | | | | | | | 2.00 |
| 3 | 36 | 18 | 1 1/8 | 3/8 | 1/2 | 9 | 10 | 3 3/4 | 4 1/4 | 14 3/8 | 12 | 12 1/8 | 14 | 14 1/8 | 13 | | | 1 1/2 | | | | | | | | | 4.5 |
| 4 | 36 | 18 | 1 1/8 | 3/8 | 1/2 | 9 | 10 | 3 3/4 | 4 1/4 | 14 3/8 | 12 | 12 1/8 | 14 | 14 1/8 | 13 | | | 1 1/2 | | | | | | | | | 4.5 |
| 5 | 36 | 18 | 1 1/8 | 3/8 | 1/2 | 9 | 10 | 3 3/4 | 4 1/4 | 14 3/8 | 12 | 12 1/8 | 14 | 14 1/8 | 13 | | | 1 1/2 | | | | | | | | | 4.5 |

STANDARD SIGNS
M3-1 thur M3-4
SERIES

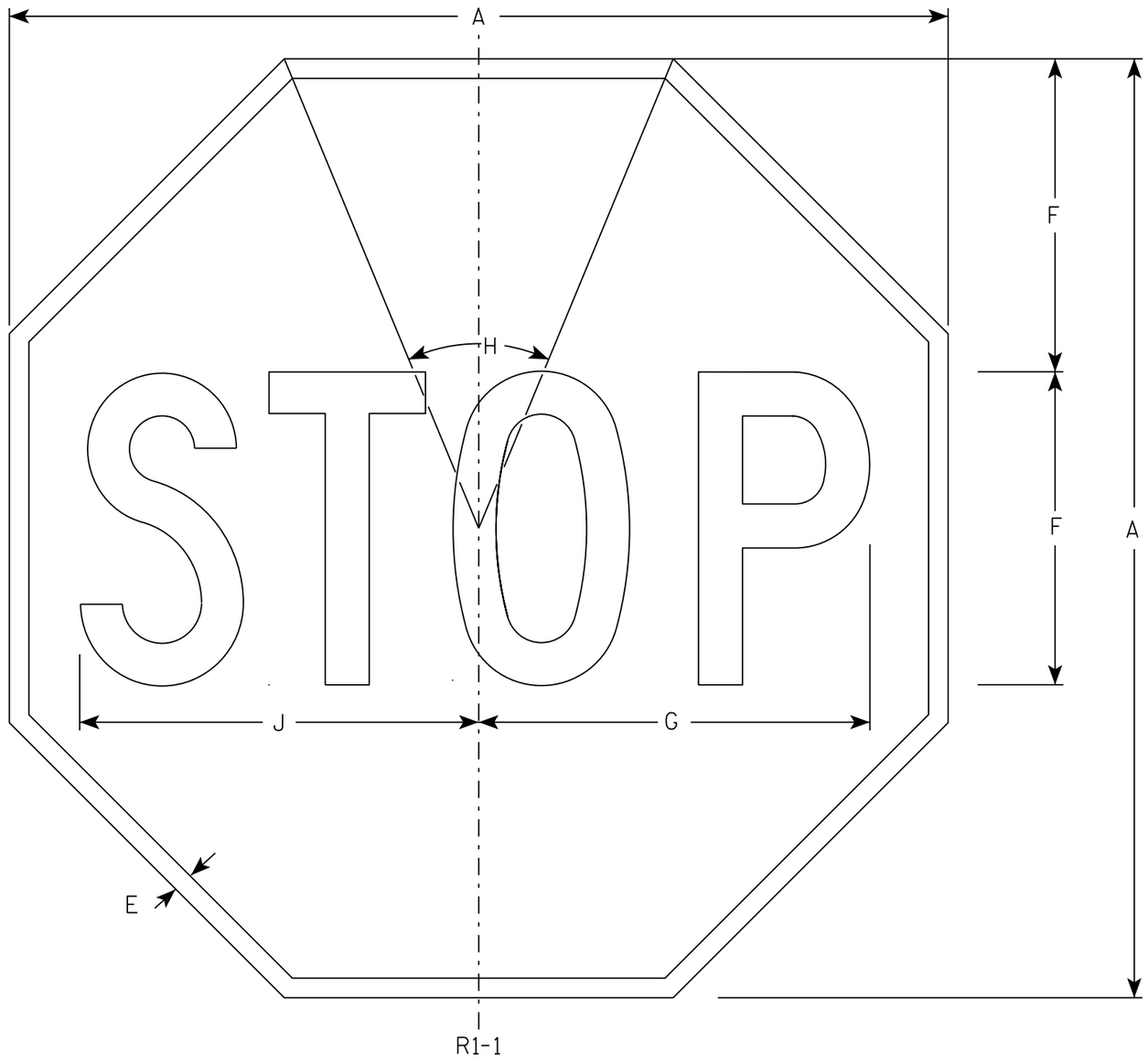
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

DATE 10/15/15 PLATE NO M3-1.14



PROJECT NO: | HWY: | COUNTY: | SHEET NO: E




NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

| SIZE | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | Area sq. ft. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 30 | | | | 5/8 | 10 | 12 1/2 | 45° | | 12 3/4 | | | | | | | | | | | | | | | | | 5.18 |
| 2S | 30 | | | | 5/8 | 10 | 12 1/2 | 45° | | 12 3/4 | | | | | | | | | | | | | | | | | 5.18 |
| 2M | 36 | | | | 3/4 | 12 | 15 | 45° | | 15 3/8 | | | | | | | | | | | | | | | | | 7.46 |
| 3 | 36 | | | | 3/4 | 12 | 15 | 45° | | 15 3/8 | | | | | | | | | | | | | | | | | 7.46 |
| 4 | 48 | | | | 1 | 16 | 20 | 45° | | 20 1/2 | | | | | | | | | | | | | | | | | 13.25 |
| 5 | 48 | | | | 1 | 16 | 20 | 45° | | 20 1/2 | | | | | | | | | | | | | | | | | 13.25 |
| 6 | 18 | | | | 3/8 | 6 | 7 3/4 | 45° | | 7 3/4 | | | | | | | | | | | | | | | | | 1.86 |
| 7 | 12 | | | | 1/4 | 4 | 5 | 45° | | 5 1/8 | | | | | | | | | | | | | | | | | 0.78 |

STANDARD SIGN

R1-1

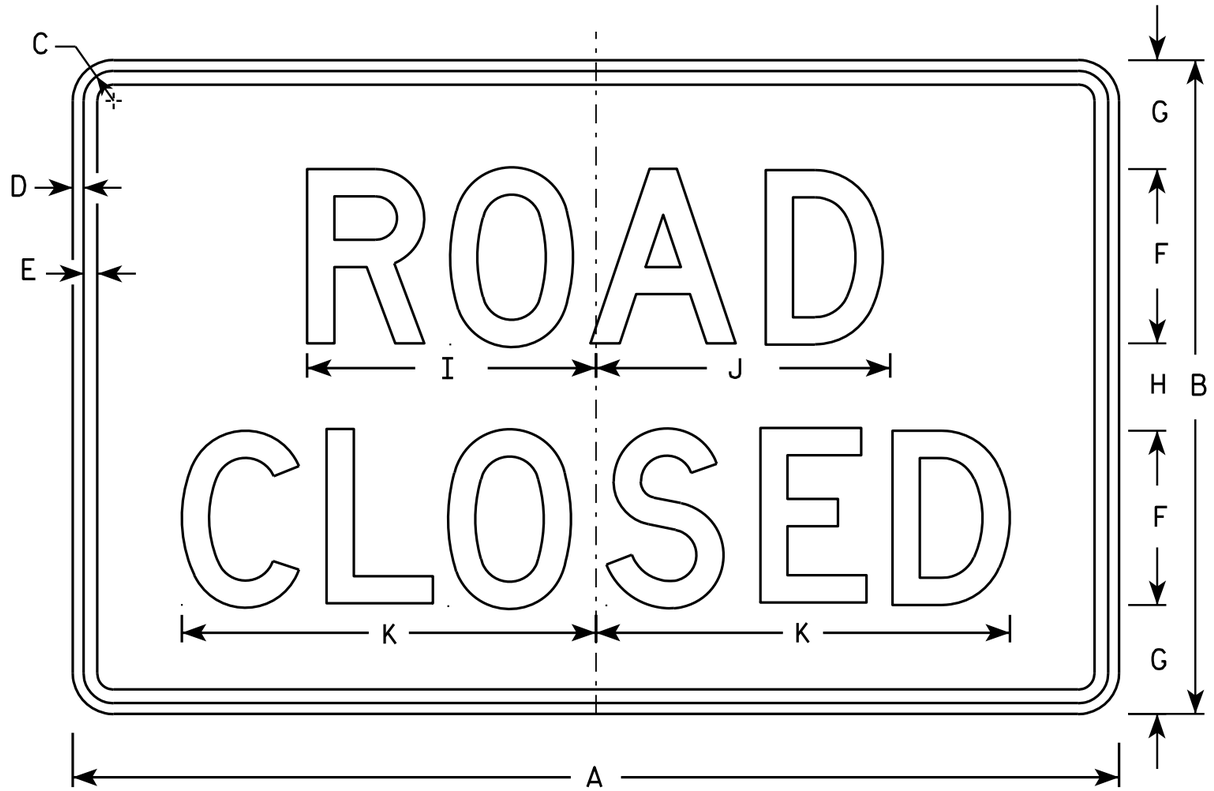
*WISCONSIN DEPT OF TRANSPORTATION*

APPROVED Matthew R Rauch

*for* State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

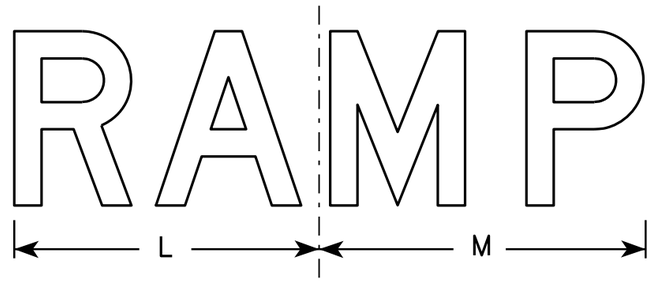
| PROJECT NO: | HWY: | COUNTY: | | SHEET NO: 81 | E |
|---|---|---|---|---|---|



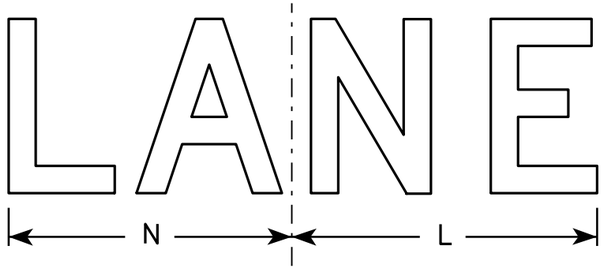

R11-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   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.
5. Modify the message as required.




R11-2R




R11-2L

| SIZE | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | Area sq. ft. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2S | 48 | 30 | 1 3/8 | 1/2 | 5/8 | 8 | 5 | 4 | 13 1/4 | 13 1/2 | 19 | 14 | 15 | 13 | | | | | | | | | | | | | 10.0 |
| 2M | 48 | 30 | 1 3/8 | 1/2 | 5/8 | 8 | 5 | 4 | 13 1/4 | 13 1/2 | 19 | 14 | 15 | 13 | | | | | | | | | | | | | 10.0 |
| 3 | 48 | 30 | 1 3/8 | 1/2 | 5/8 | 8 | 5 | 4 | 13 1/4 | 13 1/2 | 19 | 14 | 15 | 13 | | | | | | | | | | | | | 10.0 |
| 4 | 48 | 30 | 1 3/8 | 1/2 | 5/8 | 8 | 5 | 4 | 13 1/4 | 13 1/2 | 19 | 14 | 15 | 13 | | | | | | | | | | | | | 10.0 |
| 5 | 48 | 30 | 1 3/8 | 1/2 | 5/8 | 8 | 5 | 4 | 13 1/4 | 13 1/2 | 19 | 14 | 15 | 13 | | | | | | | | | | | | | 10.0 |

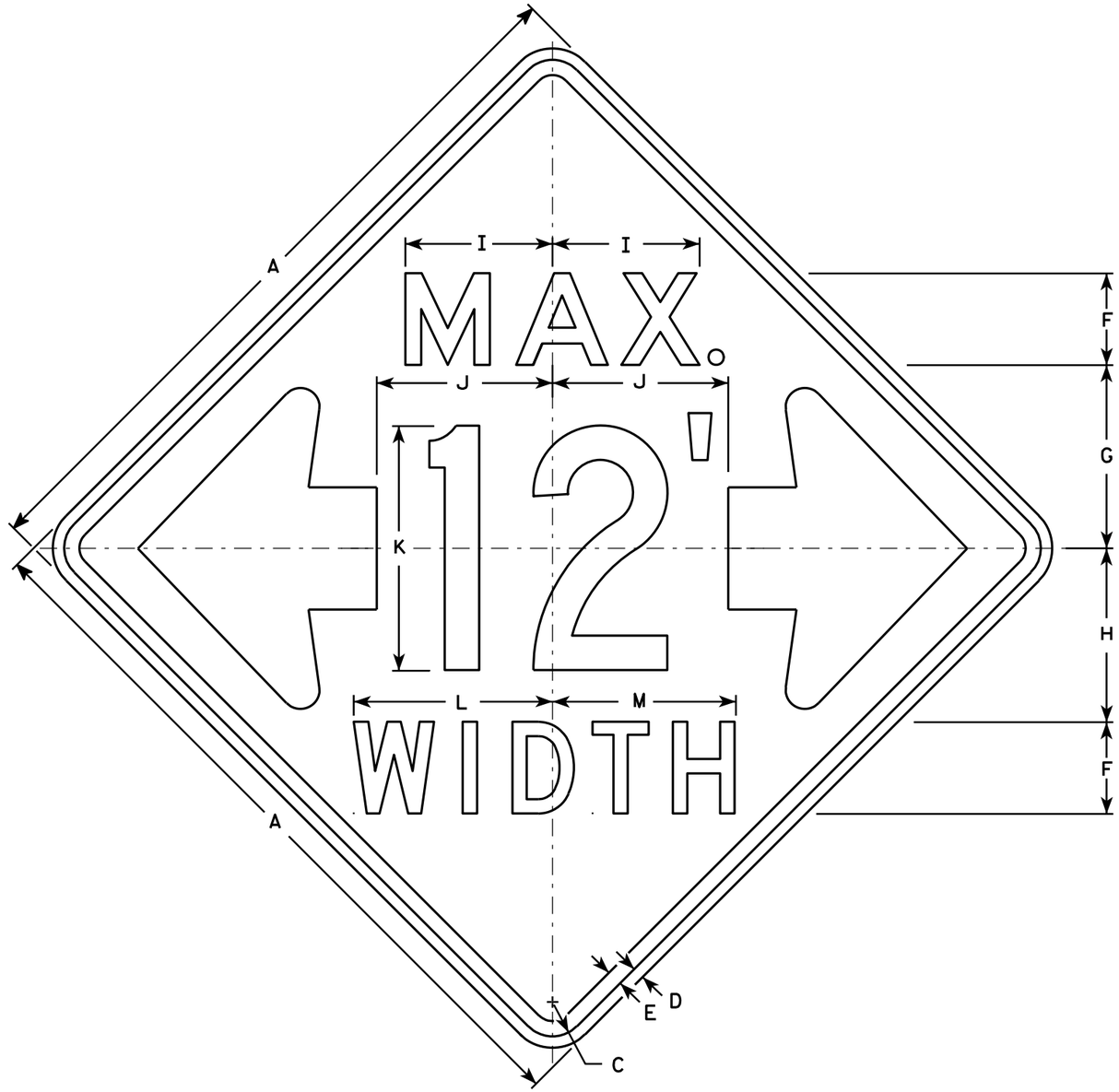
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2.10

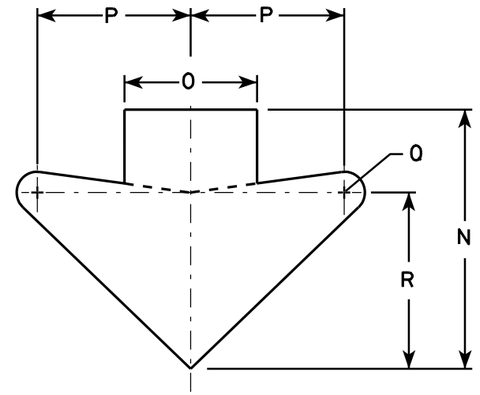
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 82 | E




W12-52

NOTES

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 - 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. The top line is series E, the numerals are series C, and the bottom line is series D.
6. Substitute appropriate numerals and adjust spacing as required.




ARROW DETAIL

| SIZE | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | Area sq. ft. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2S | 48 | | 2 1/4 | 3/4 | 1 | 6 | 12 | 11 3/8 | 9 5/8 | 11 1/2 | 16 | 13 | 12 | 15 5/8 | 8 | 9 1/4 | 1 1/4 | 10 5/8 | | | | | | | | | 16.0 |
| 2M | 48 | | 2 1/4 | 3/4 | 1 | 6 | 12 | 11 3/8 | 9 5/8 | 11 1/2 | 16 | 13 | 12 | 15 5/8 | 8 | 9 1/4 | 1 1/4 | 10 5/8 | | | | | | | | | 16.0 |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

STANDARD SIGN
W12-52

WISCONSIN DEPT OF TRANSPORTATION

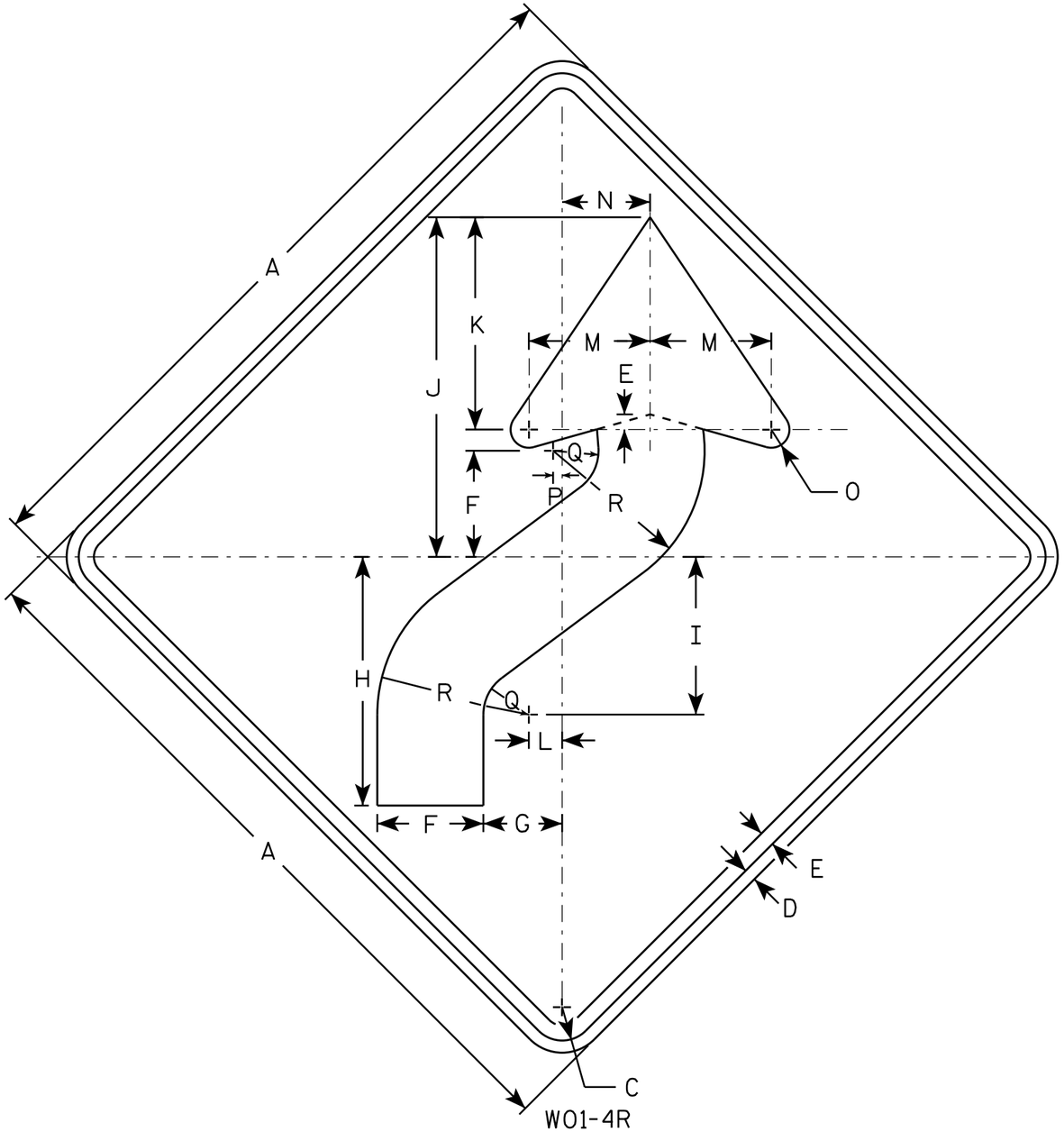
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/11 PLATE NO. W12-52.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 83 | E



FILE NAME : C:\Users\PROJECTS\tr_stdplate\W1252.DGN PLOT DATE : 16-MAR-2011 14:45 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.137199:1.000000
WISDOT/CADDS SHEET 42




W01-4R

## NOTES

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.
4. W01-4L is the same as W01-4R except the arrow is reversed along the vertical centerline.

| SIZE | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | Area sq. ft. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 36 | | 1 5/8 | 5/8 | 3/4 | 5 1/4 | 4 | 12 3/8 | 7 7/8 | 16 7/8 | 10 1/2 | 1 5/8 | 6 | 4 1/2 | 1 | 1/2 | 2 1/4 | 7 1/2 | | | | | | | | | 9.0 |
| 2S | 48 | | 2 1/4 | 3/4 | 1 | 7 | 5 1/4 | 16 1/2 | 10 1/2 | 22 1/2 | 14 | 2 1/4 | 8 | 6 | 1 1/4 | 5/8 | 3 | 10 | | | | | | | | | 16.0 |
| 2M | 48 | | 2 1/4 | 3/4 | 1 | 7 | 5 1/4 | 16 1/2 | 10 1/2 | 22 1/2 | 14 | 2 1/4 | 8 | 6 | 1 1/4 | 5/8 | 3 | 10 | | | | | | | | | 16.0 |
| 3 | 48 | | 2 1/4 | 3/4 | 1 | 7 | 5 1/4 | 16 1/2 | 10 1/2 | 22 1/2 | 14 | 2 1/4 | 8 | 6 | 1 1/4 | 5/8 | 3 | 10 | | | | | | | | | 16.0 |
| 4 | 48 | | 2 1/4 | 3/4 | 1 | 7 | 5 1/4 | 16 1/2 | 10 1/2 | 22 1/2 | 14 | 2 1/4 | 8 | 6 | 1 1/4 | 5/8 | 3 | 10 | | | | | | | | | 16.0 |
| 5 | 48 | | 2 1/4 | 3/4 | 1 | 7 | 5 1/4 | 16 1/2 | 10 1/2 | 22 1/2 | 14 | 2 1/4 | 8 | 6 | 1 1/4 | 5/8 | 3 | 10 | | | | | | | | | 16.0 |

# STANDARD SIGN
# W01-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

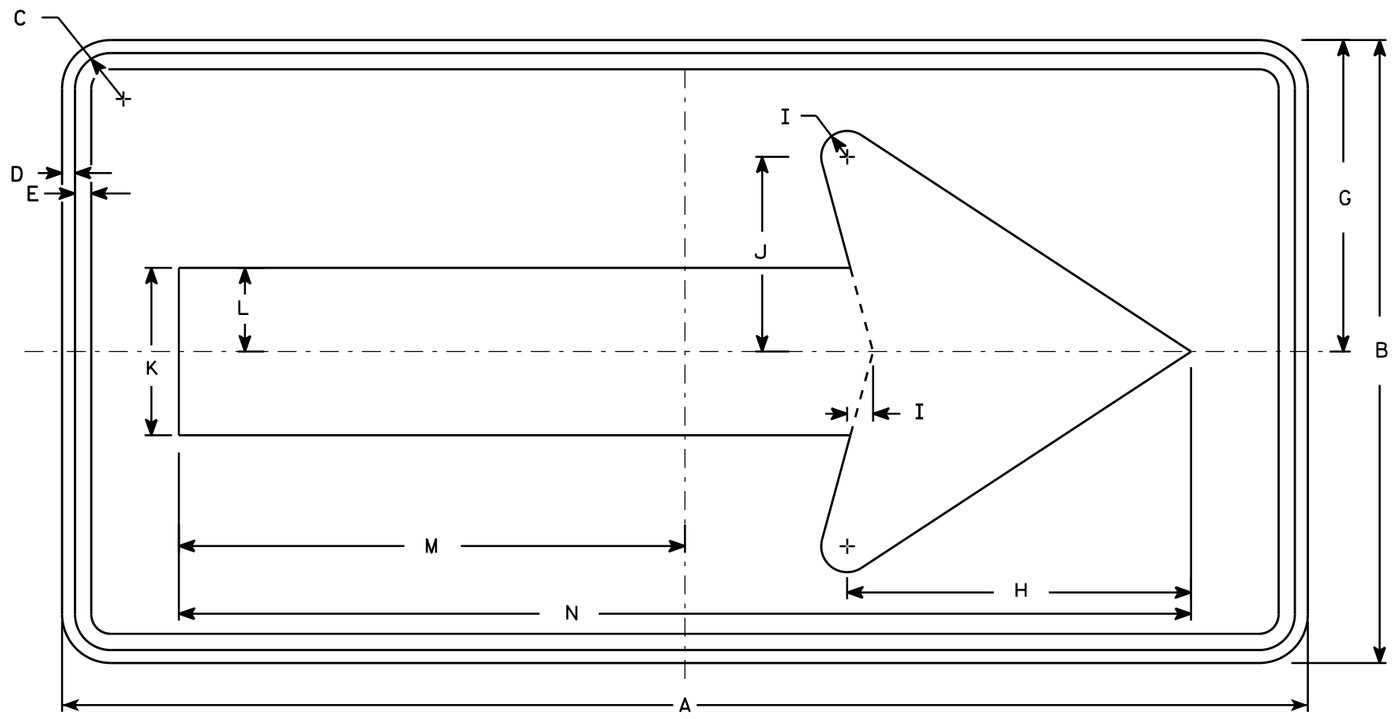
DATE 11/18/13 PLATE NO W01-4.1



| PROJECT NO: | HWY: | COUNTY: | | SHEET NO: | E |
|---|---|---|---|---|---|



FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W014.DGN PLOT DATE : 28-FEB-2014 11:35 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.755110:1.000000 WISDOT/CADDS SHEET 42




W01-6

## NOTES

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.

| SIZE | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | Area sq. ft. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2S | 48 | 24 | 1 3/8 | 1/2 | 5/8 | | 12 | 13 1/4 | 1 | 7 1/2 | 6 1/2 | 3 1/4 | 19 1/2 | 39 | | | | | | | | | | | | | 8.0 |
| 2M | 48 | 24 | 1 3/8 | 1/2 | 5/8 | | 12 | 13 1/4 | 1 | 7 1/2 | 6 1/2 | 3 1/4 | 19 1/2 | 39 | | | | | | | | | | | | | 8.0 |
| 3 | 60 | 30 | 1 3/8 | 1/2 | 5/8 | | 15 | 16 1/4 | 1 1/4 | 9 1/4 | 8 | 4 | 24 3/8 | 48 3/4 | | | | | | | | | | | | | 12.5 |
| 4 | 60 | 30 | 1 3/8 | 1/2 | 5/8 | | 15 | 16 1/4 | 1 1/4 | 9 1/4 | 8 | 4 | 24 3/8 | 48 3/4 | | | | | | | | | | | | | 12.5 |
| 5 | 60 | 30 | 1 3/8 | 1/2 | 5/8 | | 15 | 16 1/4 | 1 1/4 | 9 1/4 | 8 | 4 | 24 3/8 | 48 3/4 | | | | | | | | | | | | | 12.5 |

# STANDARD SIGN
# W01-6

WISCONSIN DEPT OF TRANSPORTATION

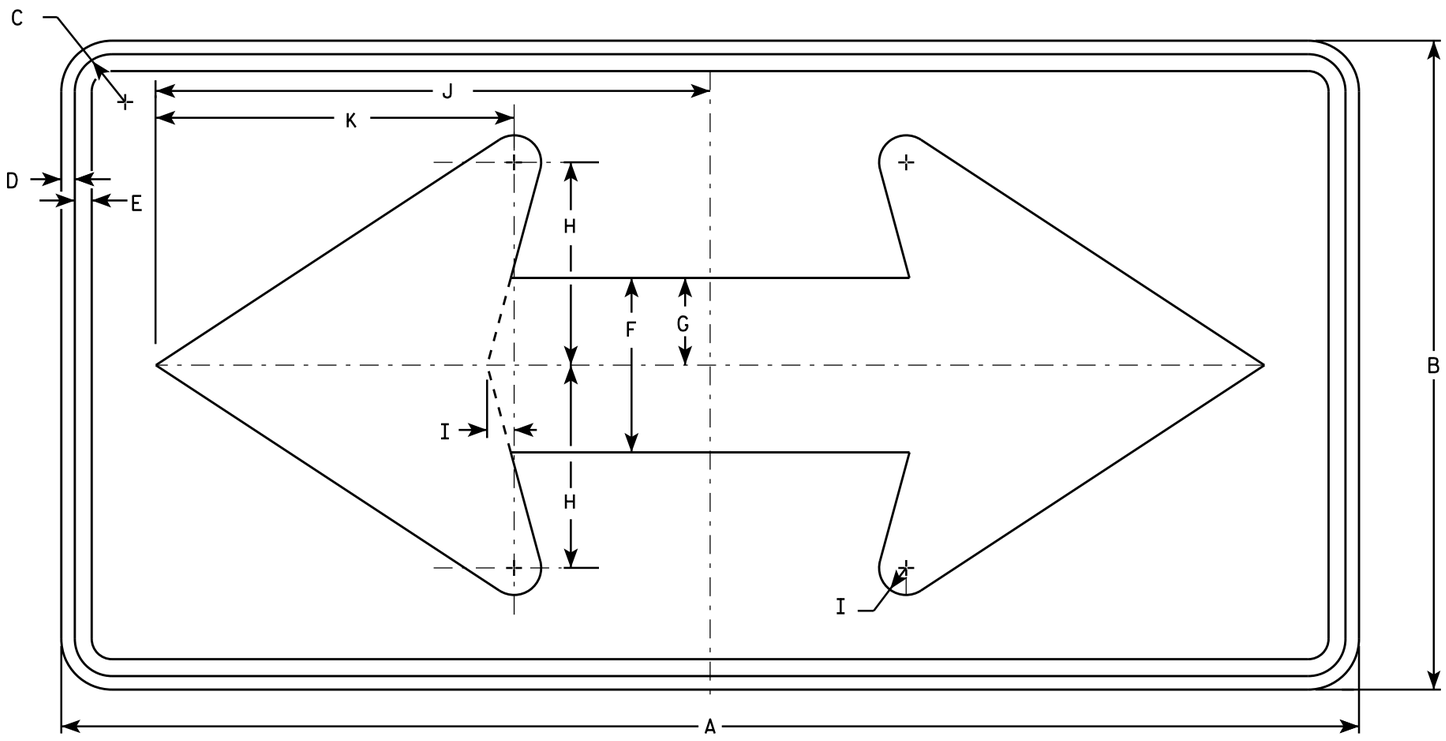
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO W01-6.1



PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42




W01-7

NOTES

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.

| SIZE | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | Area sq. ft. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2S | 48 | 24 | 1 3/8 | 1/2 | 5/8 | 6 1/2 | 3 1/4 | 7 1/2 | 1 | 20 1/2 | 13 1/4 | | | | | | | | | | | | | | | | 8.0 |
| 2M | 48 | 24 | 1 3/8 | 1/2 | 5/8 | 6 1/2 | 3 1/4 | 7 1/2 | 1 | 20 1/2 | 13 1/4 | | | | | | | | | | | | | | | | 8.0 |
| 3 | 60 | 30 | 1 3/8 | 1/2 | 5/8 | 8 | 4 | 9 1/4 | 1 1/4 | 25 3/8 | 16 1/4 | | | | | | | | | | | | | | | | 12.5 |
| 4 | 60 | 30 | 1 3/8 | 1/2 | 5/8 | 8 | 4 | 9 1/4 | 1 1/4 | 25 3/8 | 16 1/4 | | | | | | | | | | | | | | | | 12.5 |
| 5 | 60 | 30 | 1 3/8 | 1/2 | 5/8 | 8 | 4 | 9 1/4 | 1 1/4 | 25 3/8 | 16 1/4 | | | | | | | | | | | | | | | | 12.5 |

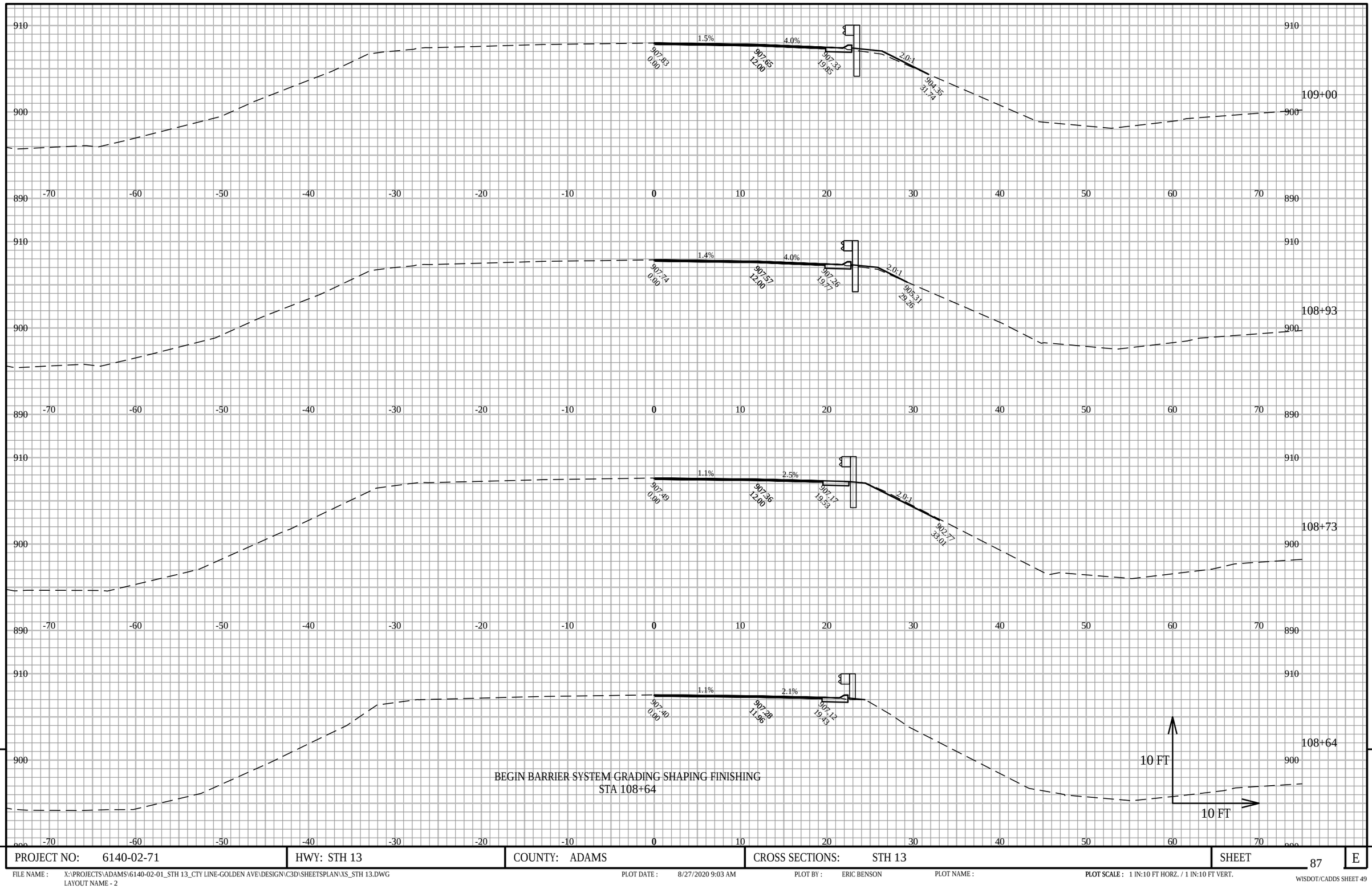
STANDARD SIGN
W01-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE 186 W01-7.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



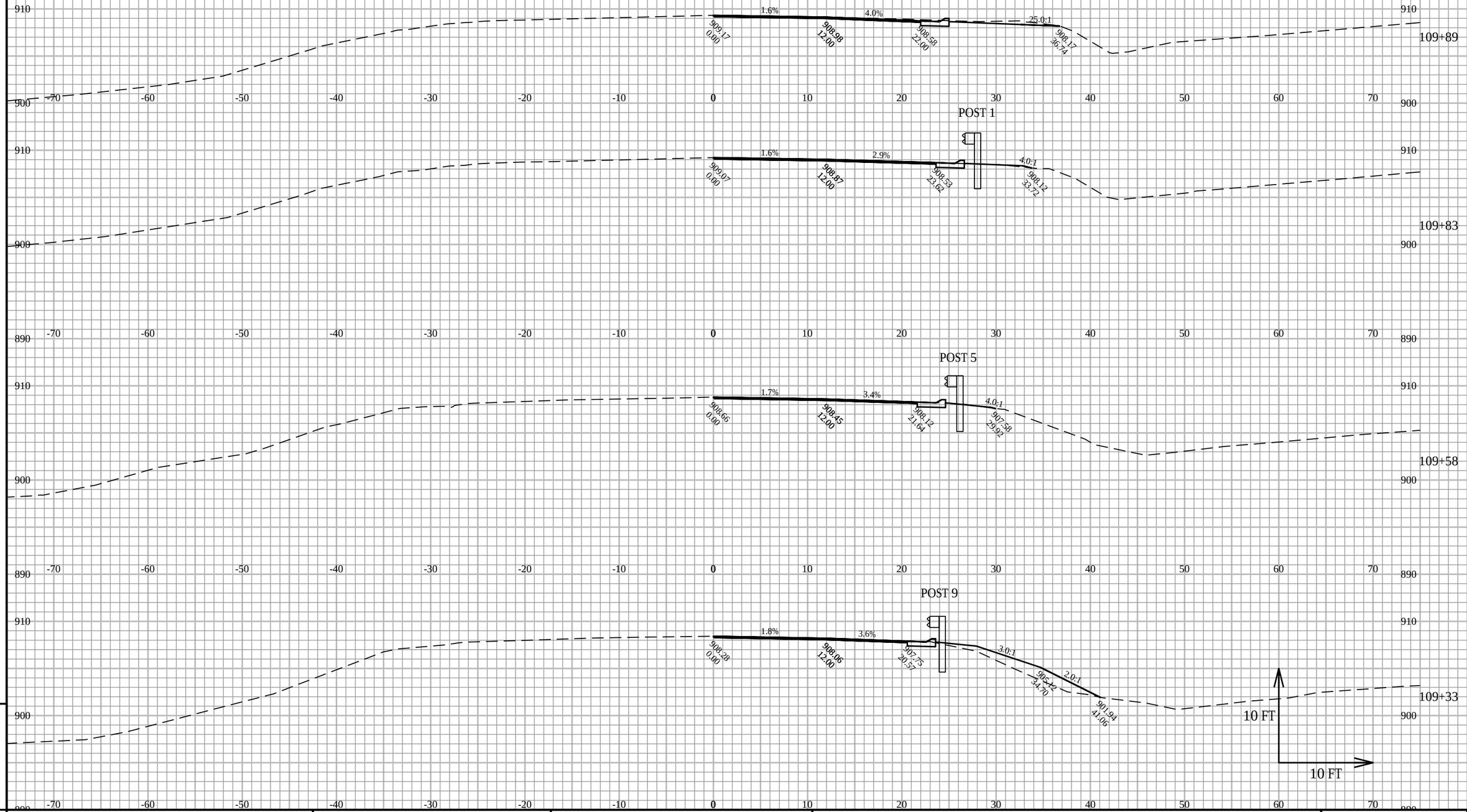

| PROJECT NO: 6140-02-71 | HWY: STH 13 | COUNTY: ADAMS | CROSS SECTIONS: STH 13 | SHEET 87 | E |
|---|---|---|---|---|---|

FILE NAME : X:\PROJECTS\ADAMS\6140-02-01_STH 13_CTY LINE-GOLDEN AVE\DESIGN\C3D\SHEETSPLAN\XS_STH 13.DWG
LAYOUT NAME - 2

PLOT DATE : 8/27/2020 9:03 AM PLOT BY : ERIC BENSON PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END BARRIER SYSTEM GRADING SHAPING FINISHING
STA 109+89




| PROJECT NO: 6140-02-71 | HWY: STH 13 | COUNTY: ADAMS | CROSS SECTIONS: STH 13 | SHEET 88 | E |
|---|---|---|---|---|---|

FILE NAME : X:\PROJECTS\ADAMS\6140-02-01_STH 13_CTY LINE-GOLDEN AVE\DESIGN\C3D\SHEETSPLAN\XS_STH 13.DWG
LAYOUT NAME - 3
PLOT DATE : 8/27/2020 9:03 AM
PLOT BY : ERIC BENSON
PLOT NAME :
**PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

Notes

**Wisconsin Department of Transportation**

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov